

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY122419\
 Data File : VY001042.D
 Acq On : 24 Dec 2019 13:03
 Operator : SY/MD
 Sample : K6396-05MSD
 Misc : 6.43G/5ML/MSVOA Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-2-(4-5)MSD

Manual Integrations
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 12/26/2019 12:30:05 PM

Quant Time: Dec 25 03:50:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y122319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 23 12:07:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	146053	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	259616	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	229508	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	105776	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	74186	51.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.00%	
35) Dibromofluoromethane	7.72	113	73328	47.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.94%	
50) Toluene-d8	10.18	98	309749	51.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.70%	
62) 4-Bromofluorobenzene	12.48	95	102609	46.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.94%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.90	85	64442	50.635	ug/l	99
3) Chloromethane	2.12	50	85572	49.403	ug/l	100
4) Vinyl Chloride	2.25	62	86835	51.622	ug/l	97
5) Bromomethane	2.66	94	55268	52.639	ug/l	96
6) Chloroethane	2.80	64	55803	53.263	ug/l	99
7) Trichlorofluoromethane	3.13	101	121911	49.412	ug/l	95
8) Diethyl Ether	3.54	74	51196	50.834	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.91	101	80179	49.473	ug/l	98
10) Methyl Iodide	4.10	142	110298	49.258	ug/l	99
11) Tert butyl alcohol	4.97	59	35398	223.492	ug/l #	89
12) 1,1-Dichloroethene	3.88	96	81150	49.458	ug/l	97
13) Acrolein	3.74	56	34276	174.659	ug/l	97
14) Allyl chloride	4.49	41	128608	50.455	ug/l	99
15) Acrylonitrile	5.18	53	123559	245.482	ug/l	97
16) Acetone	3.96	43	74068	223.197	ug/l	100
17) Carbon Disulfide	4.20	76	264103	49.258	ug/l	98
18) Methyl Acetate	4.49	43	73770	57.942	ug/l	98
19) Methyl tert-butyl Ether	5.24	73	215712	50.937	ug/l	97
20) Methylene Chloride	4.72	84	99665	51.024	ug/l	95
21) trans-1,2-Dichloroethene	5.23	96	90493	49.765	ug/l	97
22) Diisopropyl ether	6.13	45	270905	52.581	ug/l	99
23) Vinyl Acetate	6.08	43	647976	199.145	ug/l	97
24) 1,1-Dichloroethane	6.03	63	152514	50.092	ug/l	100
25) 2-Butanone	7.00	43	141703	243.069	ug/l	99
26) 2,2-Dichloropropane	6.99	77	117322	46.902	ug/l	99
27) cis-1,2-Dichloroethene	7.00	96	100948	50.530	ug/l	99
28) Bromochloromethane	7.34	49	69215	58.264	ug/l	99
29) Tetrahydrofuran	7.36	42	100108	241.407	ug/l	99
30) Chloroform	7.52	83	146079	50.740	ug/l	98
31) Cyclohexane	7.79	56	154504	48.259	ug/l	100
32) 1,1,1-Trichloroethane	7.72	97	124123	50.541	ug/l	99
36) 1,1-Dichloropropene	7.93	75	122451	49.441	ug/l	99
37) Ethyl Acetate	7.09	43	63866	46.570	ug/l	99
38) Carbon Tetrachloride	7.91	117	106397	49.032	ug/l	92

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	162398	49.376	ug/l	94
40) Benzene	8.17	78	372986	49.919	ug/l	98
41) Methacrylonitrile	7.33	41	28927m	48.652	ug/l	
42) 1,2-Dichloroethane	8.25	62	91311	51.114	ug/l	100
43) Isopropyl Acetate	8.28	43	122304	48.177	ug/l	100
44) Trichloroethene	8.94	130	96400	48.966	ug/l	98
45) 1,2-Dichloropropane	9.22	63	95258	50.819	ug/l	95
46) Dibromomethane	9.31	93	48569	50.265	ug/l	99
47) Bromodichloromethane	9.50	83	111815	49.957	ug/l	98
48) Methyl methacrylate	9.30	41	56184	51.862	ug/l	97
49) 1,4-Dioxane	9.30	88	15152	1071.968	ug/l	98
51) 4-Methyl-2-Pentanone	10.07	43	322193	243.499	ug/l	99
52) Toluene	10.24	92	225878	49.116	ug/l	98
53) t-1,3-Dichloropropene	10.47	75	119104	49.032	ug/l	99
54) cis-1,3-Dichloropropene	9.93	75	146558	50.176	ug/l	93
55) 1,1,2-Trichloroethane	10.64	97	73381	50.870	ug/l	92
56) Ethyl methacrylate	10.51	69	98578	48.016	ug/l	100
57) 1,3-Dichloropropane	10.79	76	128719	50.908	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.78	63	181435	228.807	ug/l	98
59) 2-Hexanone	10.83	43	229662	250.842	ug/l	99
60) Dibromochloromethane	10.98	129	78293	50.811	ug/l	97
61) 1,2-Dibromoethane	11.08	107	68528	49.679	ug/l	98
64) Tetrachloroethene	10.72	164	104771	52.760	ug/l	98
65) Chlorobenzene	11.51	112	233496	49.046	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	80911	51.501	ug/l	97
67) Ethyl Benzene	11.59	91	431231	50.360	ug/l	100
68) m/p-Xylenes	11.70	106	324543	99.819	ug/l	100
69) o-Xylene	12.02	106	154359	50.465	ug/l	99
70) Styrene	12.04	104	258248	49.654	ug/l	99
71) Bromoform	12.20	173	42765	48.886	ug/l #	97
73) Isopropylbenzene	12.33	105	399744	48.836	ug/l	99
74) N-amyl acetate	12.14	43	92124	42.840	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.58	83	78889	48.922	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	66099m	50.689	ug/l	
77) Bromobenzene	12.60	156	90717	49.278	ug/l	98
78) n-propylbenzene	12.67	91	489022	49.030	ug/l	99
79) 2-Chlorotoluene	12.75	91	269175	48.869	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	332649	49.578	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.38	75	28381	46.419	ug/l #	82
82) 4-Chlorotoluene	12.85	91	281150	49.143	ug/l	100
83) tert-Butylbenzene	13.07	119	272999	48.471	ug/l	99
84) 1,2,4-Trimethylbenzene	13.11	105	327167	48.524	ug/l	98
85) sec-Butylbenzene	13.25	105	398545	47.999	ug/l	99
86) p-Isopropyltoluene	13.36	119	351274	48.892	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	170706	48.281	ug/l	100
88) 1,4-Dichlorobenzene	13.44	146	172091	48.249	ug/l	99
89) n-Butylbenzene	13.69	91	346897	47.990	ug/l	100
90) Hexachloroethane	13.95	117	64236	47.455	ug/l	100
91) 1,2-Dichlorobenzene	13.73	146	160447	49.195	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.35	75	12313	45.639	ug/l	94

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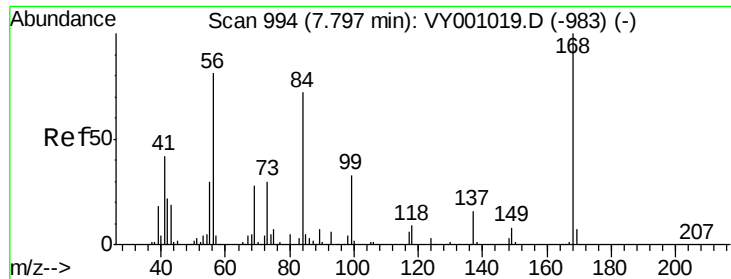
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	104532	47.484	ug/l	99
94) Hexachlorobutadiene	15.11	225	46470	44.359	ug/l	99
95) Naphthalene	15.23	128	248747	48.047	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	93644	47.699	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.01 min

Lab File: VY001042.D

Acq: 24 Dec 2019 13:03

Instrument :

MSVOA_Y

ClientSampleId :

SB-2-(4-5)MSD

Tot Ion:168 Resp: 146053

Ion Ratio Lower Upper

168 100

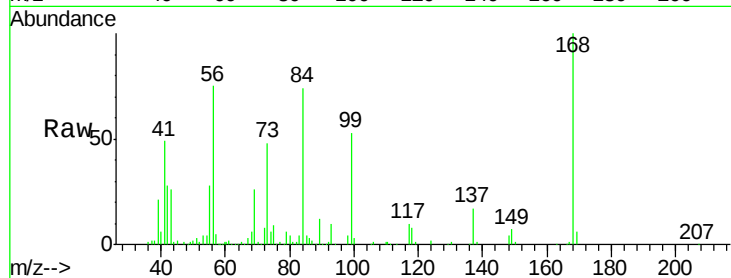
99 52.8 44.0 66.0

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Abundance Ion 167.90 (167.60 to 168.60): VY001019.D (-983) (-)

Ion 98.90 (98.60 to 99.60): VY001019.D (-983) (-)

7.80

60000

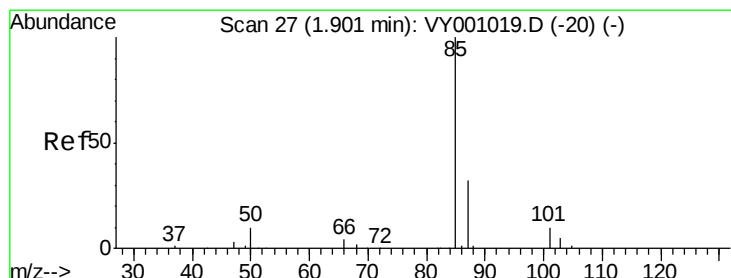
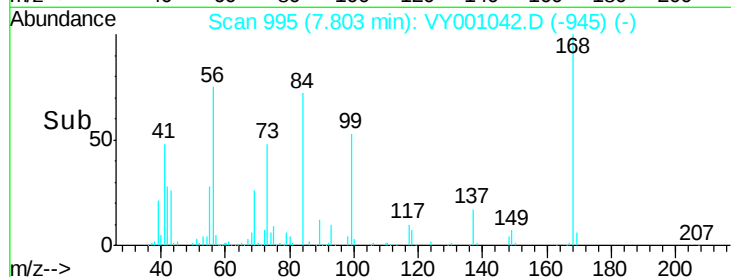
40000

20000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 50.635 ug/l

RT: 1.90 min Scan# 27

Delta R.T. 0.00 min

Lab File: VY001042.D

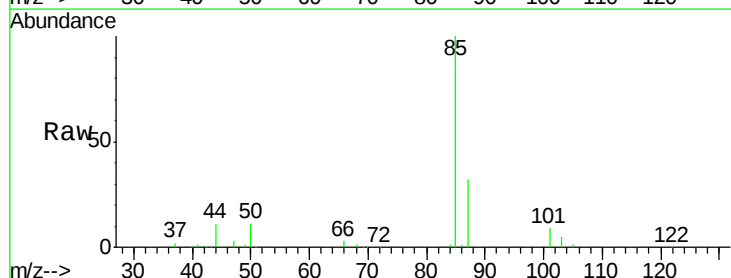
Acq: 24 Dec 2019 13:03

Tgt Ion: 85 Resp: 64442

Ion Ratio Lower Upper

85 100

87 32.5 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VY001019.D (-20) (-)

Ion 86.90 (86.60 to 87.60): VY001019.D (-20) (-)

1.90

50000

40000

30000

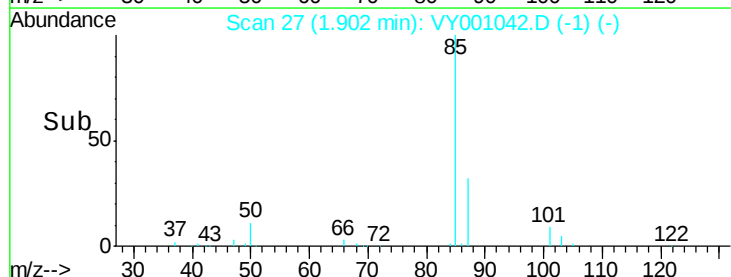
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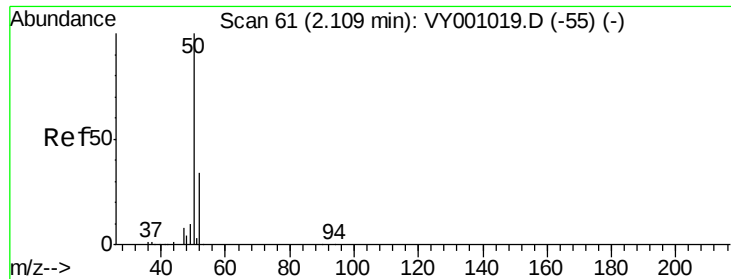
10000

0

1.85 1.90 1.95 2.00

Time-->





#3

Chloromethane

Concen: 49.403 ug/l

RT: 2.12 min Scan# 62

Delta R.T. 0.01 min

Lab File: VY001042.D

Acq: 24 Dec 2019 13:03

Instrument :

MSVOA_Y

ClientSampleId :

SB-2-(4-5)MSD

Tot Ion: 50 Resp: 85572

Ion Ratio Lower Upper

50 100

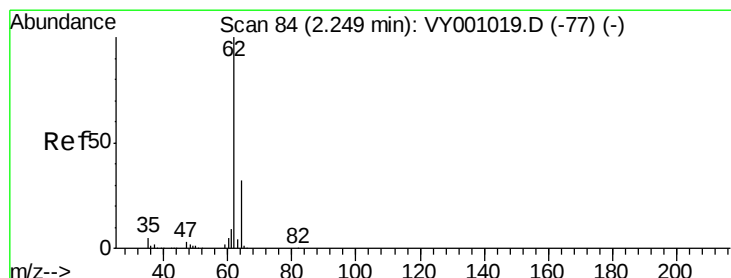
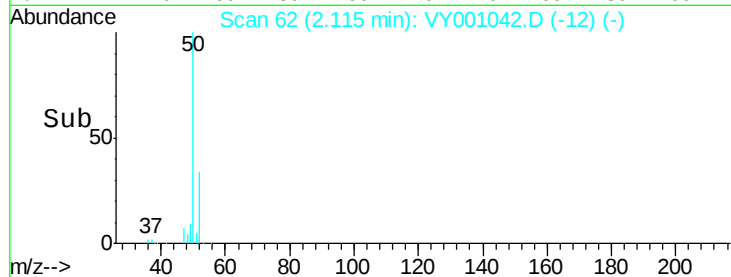
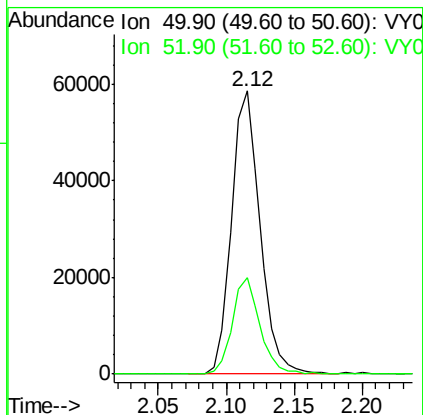
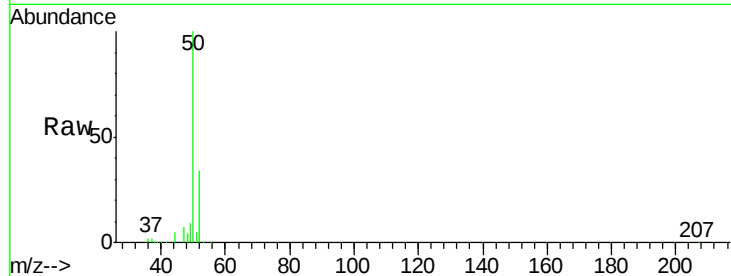
52 34.2 27.1 40.7

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#4

Vinyl Chloride

Concen: 51.622 ug/l

RT: 2.25 min Scan# 84

Delta R.T. 0.00 min

Lab File: VY001042.D

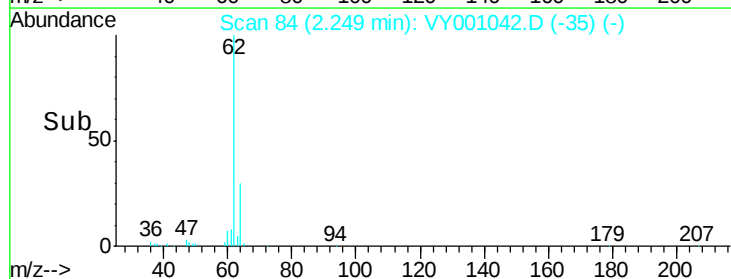
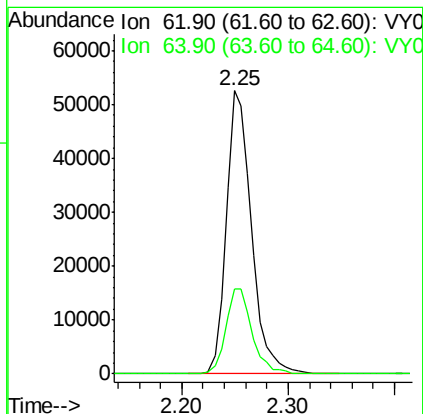
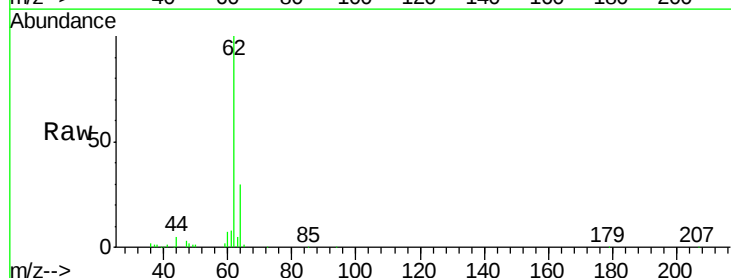
Acq: 24 Dec 2019 13:03

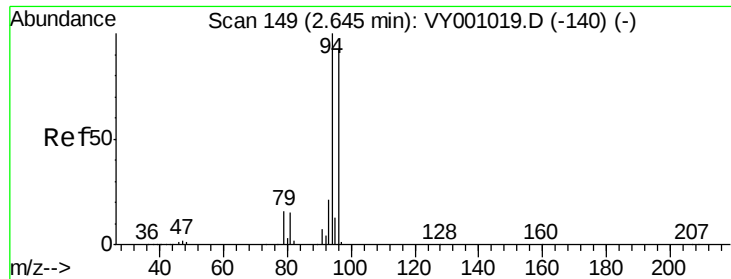
Tgt Ion: 62 Resp: 86835

Ion Ratio Lower Upper

62 100

64 30.1 25.6 38.4





#5

Bromomethane

Concen: 52.639 ug/l

RT: 2.66 min Scan# 151

Delta R.T. 0.01 min

Lab File: VY001042.D

Acq: 24 Dec 2019 13:03

Instrument :

MSVOA_Y

ClientSampleId :

SB-2-(4-5)MSD

Tot Ion: 94 Resp: 55268

Ion Ratio Lower Upper

94 100

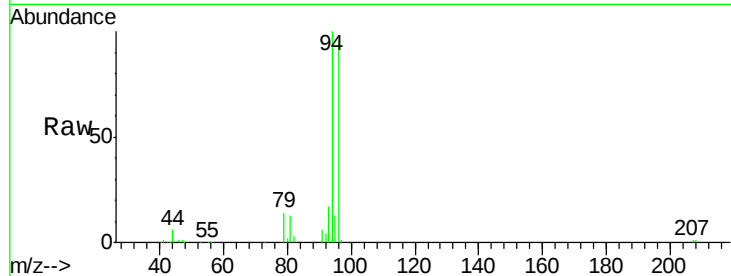
96 96.2 74.2 111.4

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Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0

2.66

25000

20000

15000

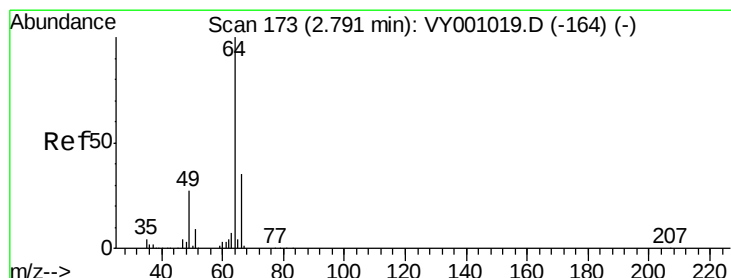
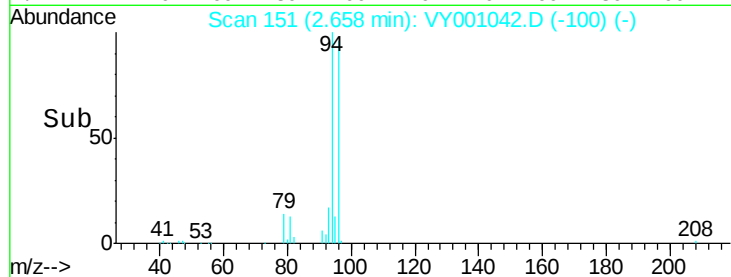
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5000

0

Time-->

2.60 2.70 2.80



#6

Chloroethane

Concen: 53.263 ug/l

RT: 2.80 min Scan# 174

Delta R.T. 0.01 min

Lab File: VY001042.D

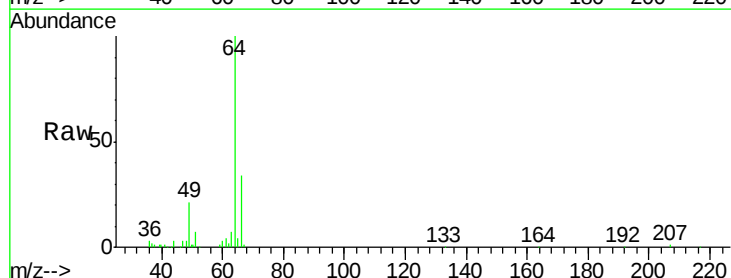
Acq: 24 Dec 2019 13:03

Tgt Ion: 64 Resp: 55803

Ion Ratio Lower Upper

64 100

66 34.3 27.8 41.6



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0

2.80

30000

25000

20000

15000

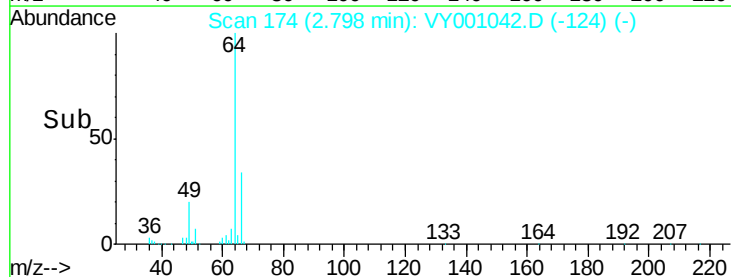
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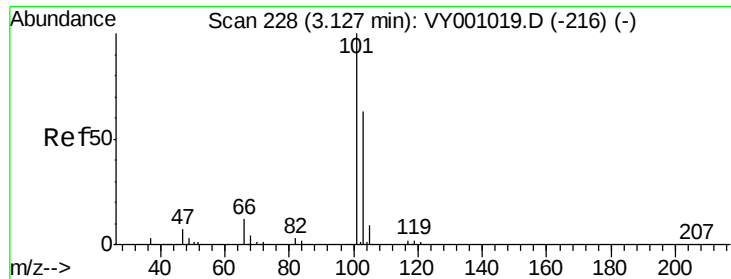
5000

0

Time-->

2.70 2.80 2.90





#7

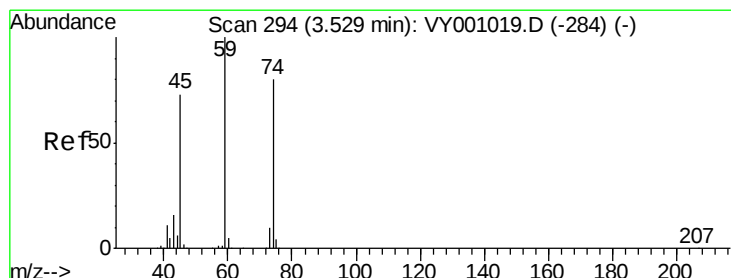
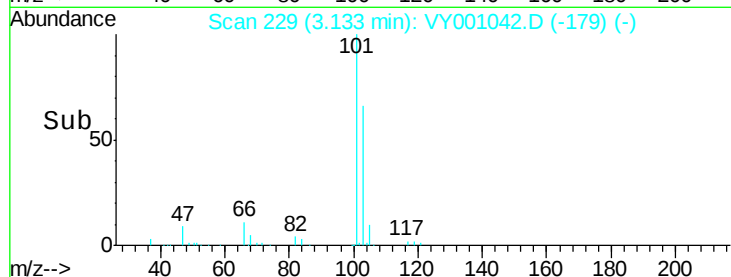
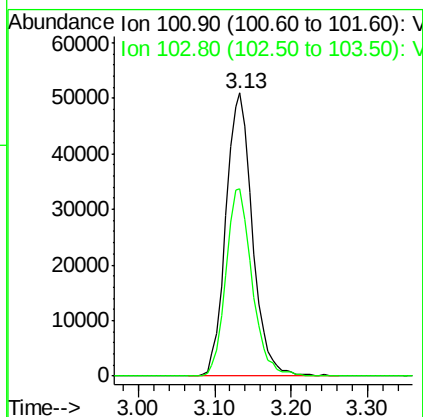
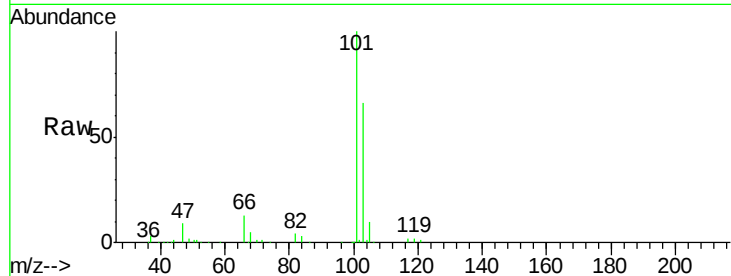
Trichlorofluoromethane
Concen: 49.412 ug/l
RT: 3.13 min Scan# 229
Delta R.T. 0.01 min
Lab File: VY001042.D
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	121911		
103	66.4	50.2	75.2	

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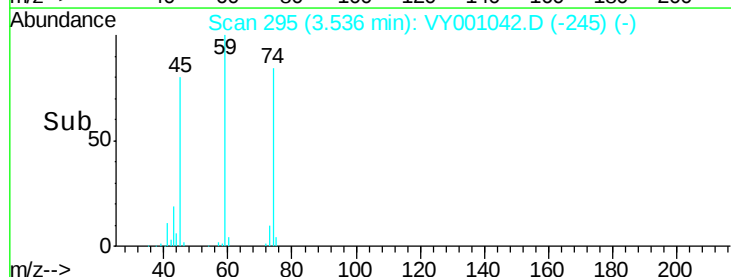
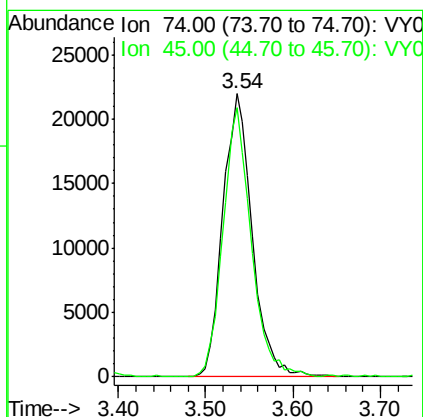
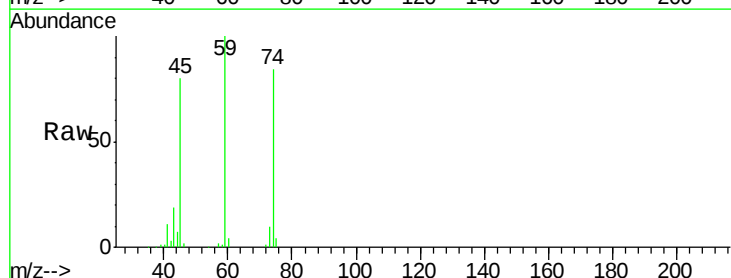
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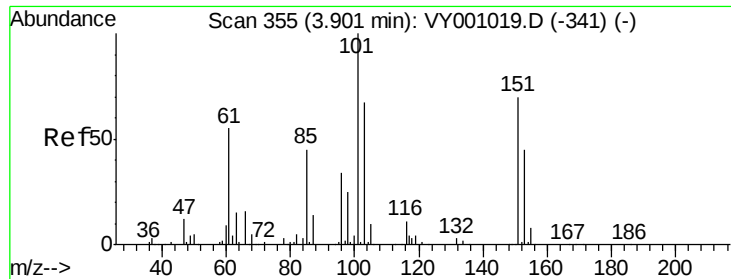


#8

Diethyl Ether
Concen: 50.834 ug/l
RT: 3.54 min Scan# 295
Delta R.T. 0.01 min
Lab File: VY001042.D
Acq: 24 Dec 2019 13:03

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	51196		
45	91.9	46.4	139.2	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.473 ug/l

RT: 3.91 min Scan# 357

Delta R.T. 0.01 min

Lab File: VY001042.D

Acq: 24 Dec 2019 13:03

Instrument :

MSVOA_Y

ClientSampleId :

SB-2-(4-5)MSD

Tot Ion:101 Resp: 80179

Ion Ratio Lower Upper

101 100

85 43.0 34.2 51.2

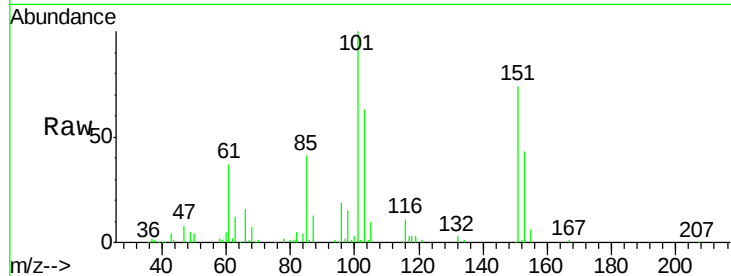
151 73.1 57.0 85.6

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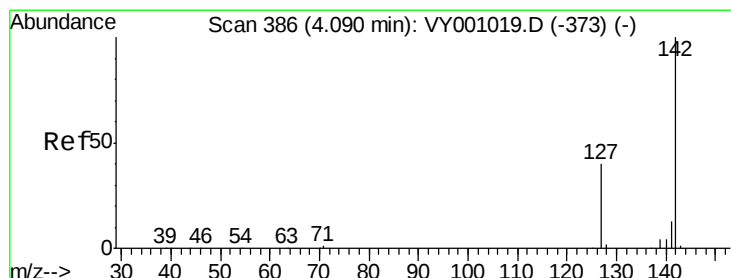
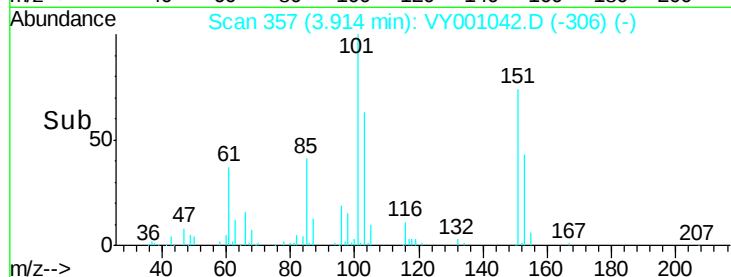
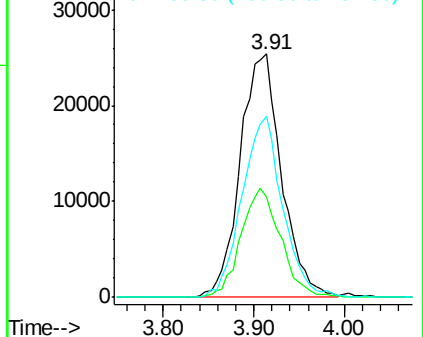
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Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VY0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 49.258 ug/l

RT: 4.10 min Scan# 387

Delta R.T. 0.01 min

Lab File: VY001042.D

Acq: 24 Dec 2019 13:03

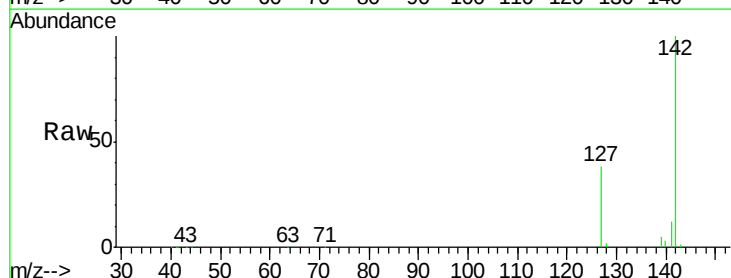
Tgt Ion:142 Resp: 110298

Ion Ratio Lower Upper

142 100

127 39.2 31.2 46.8

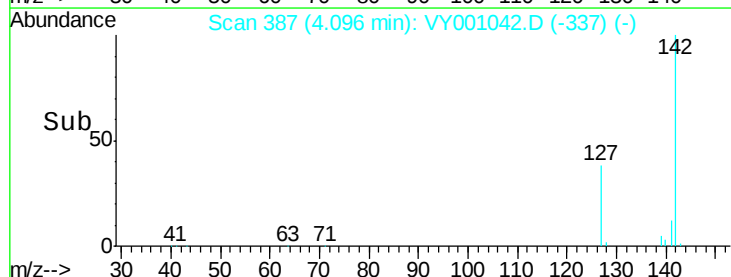
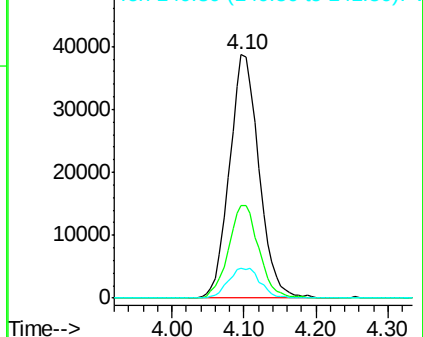
141 13.3 11.0 16.4

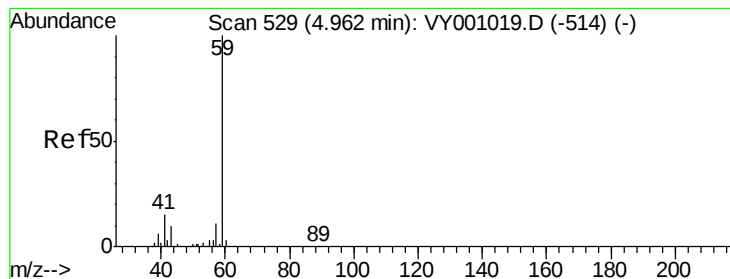


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

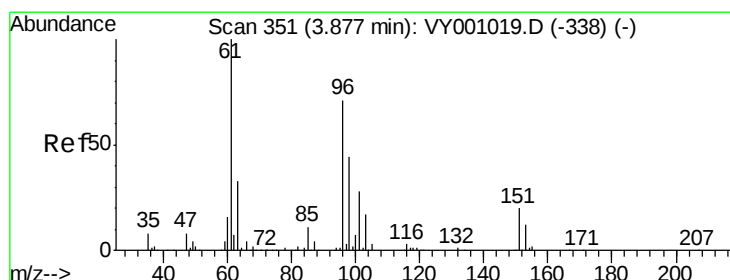
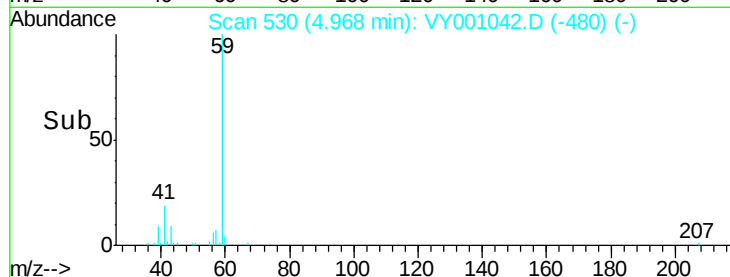
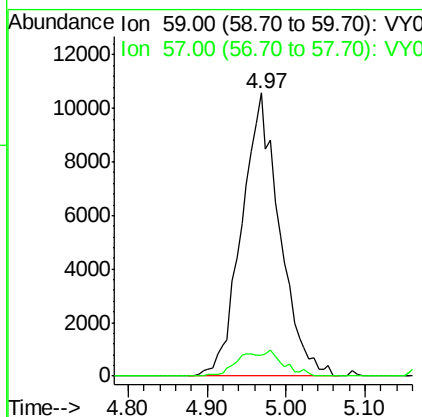
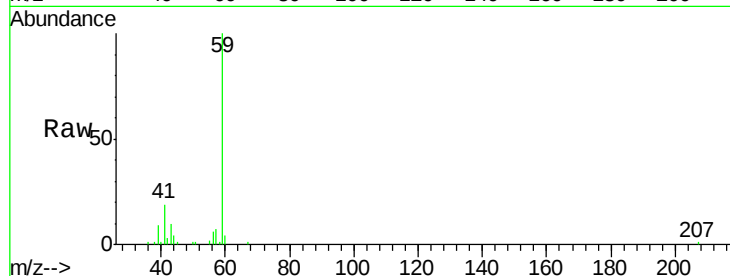
Tert butyl alcohol
 Concen: 223.492 ug/l
 RT: 4.97 min Scan# 530
 Delta R.T. 0.01 min
 Lab File: VY001042.D
 Acq: 24 Dec 2019 13:03

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-2-(4-5)MSD

Tot Ion	59	Resp	35398
Ion Ratio	100	Lower	Upper
57	5.8	7.8	11.6#

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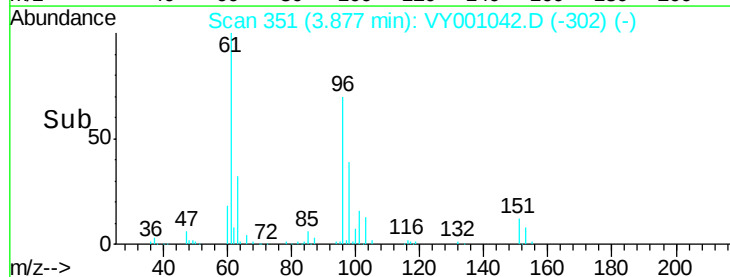
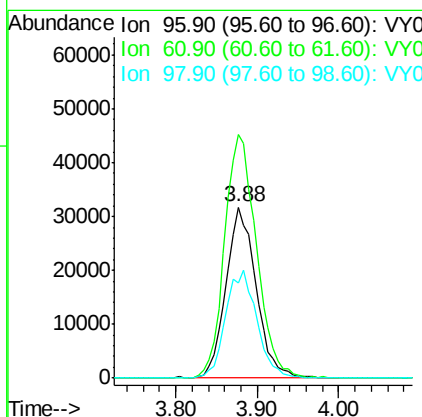
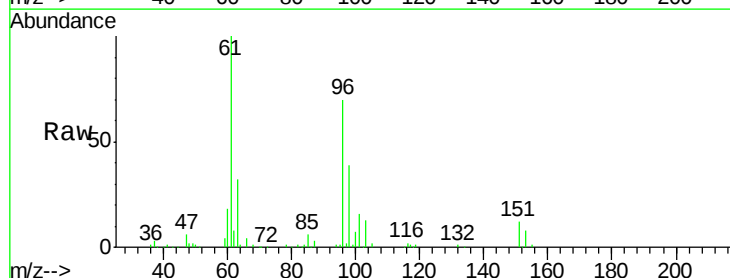
apatel
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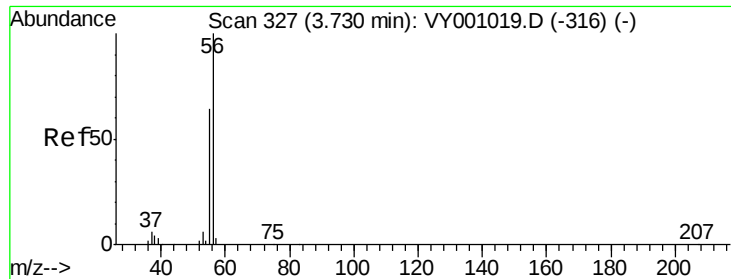


#12

1,1-Dichloroethene
 Concen: 49.458 ug/l
 RT: 3.88 min Scan# 351
 Delta R.T. 0.00 min
 Lab File: VY001042.D
 Acq: 24 Dec 2019 13:03

Tgt Ion	96	Resp	81150
Ion Ratio	100	Lower	Upper
61	142.6	113.0	169.4
98	55.8	49.8	74.8





#13

Acrolein

Concen: 174.659 ug/l

RT: 3.74 min Scan# 328

Delta R.T. 0.01 min

Lab File: VY001042.D

Acq: 24 Dec 2019 13:03

Instrument :

MSVOA_Y

ClientSampleId :

SB-2-(4-5)MSD

Tot Ion: 56 Resp: 34276

Ion Ratio Lower Upper

56 100

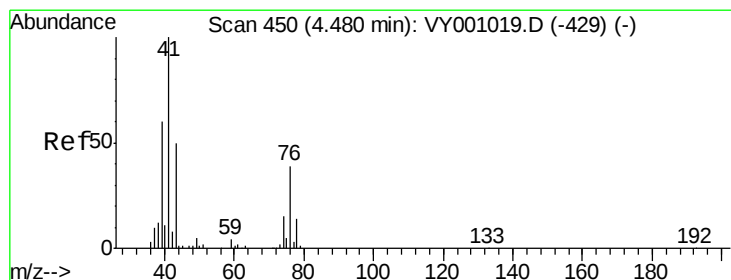
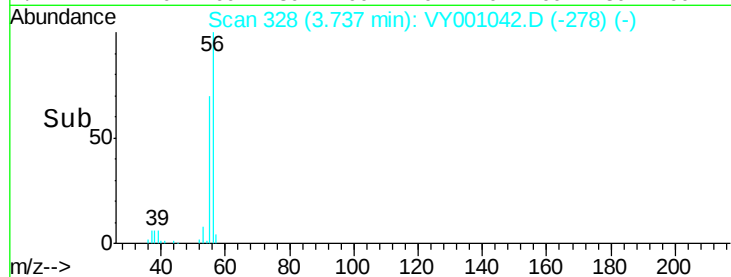
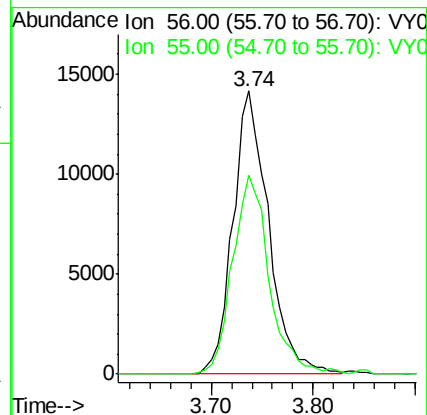
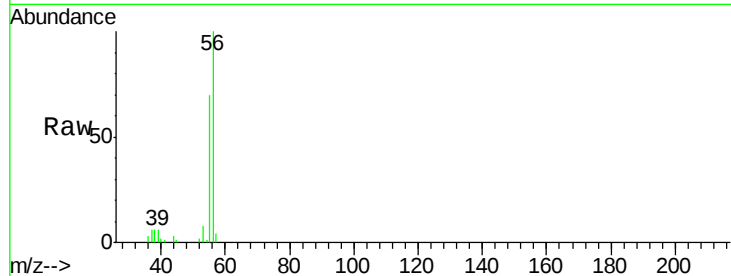
55 72.3 55.6 83.4

Manual Integrations

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#14

Allyl chloride

Concen: 50.455 ug/l

RT: 4.49 min Scan# 452

Delta R.T. 0.01 min

Lab File: VY001042.D

Acq: 24 Dec 2019 13:03

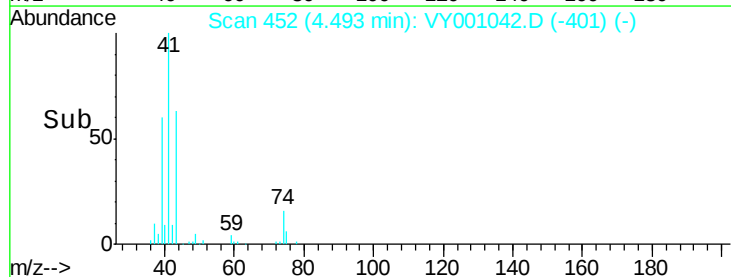
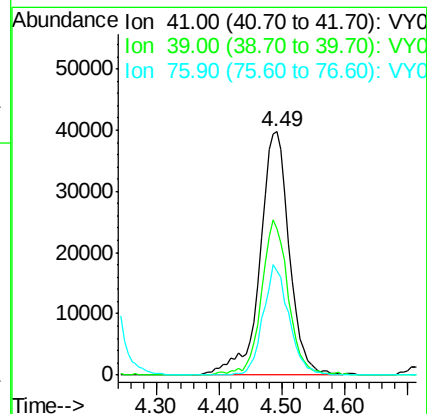
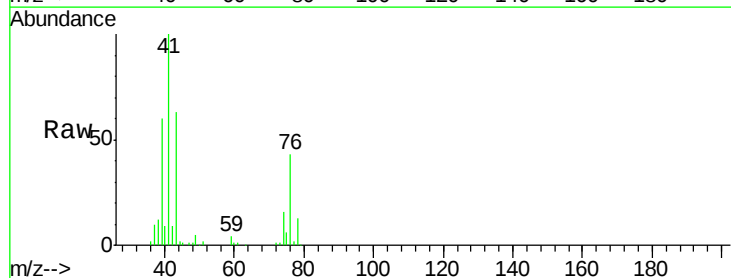
Tgt Ion: 41 Resp: 128608

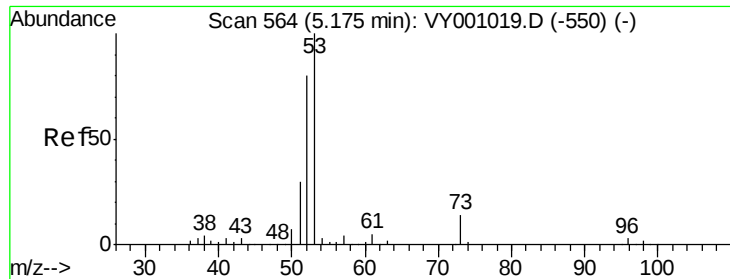
Ion Ratio Lower Upper

41 100

39 58.2 46.0 69.0

76 39.8 32.6 48.8





#15

Acrylonitrile

Concen: 245.482 ug/l

RT: 5.18 min Scan# 564

Delta R.T. 0.00 min

Lab File: VY001042.D

Acq: 24 Dec 2019 13:03

Instrument :

MSVOA_Y

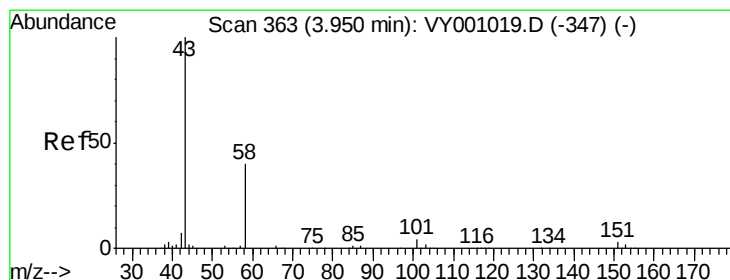
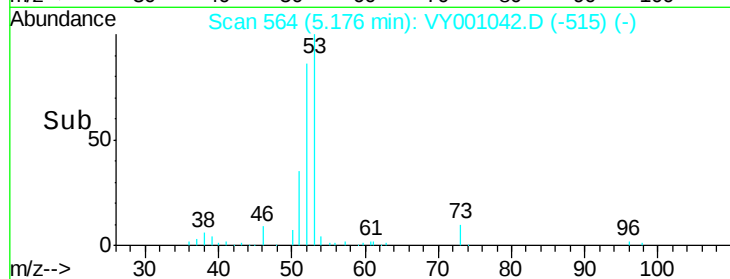
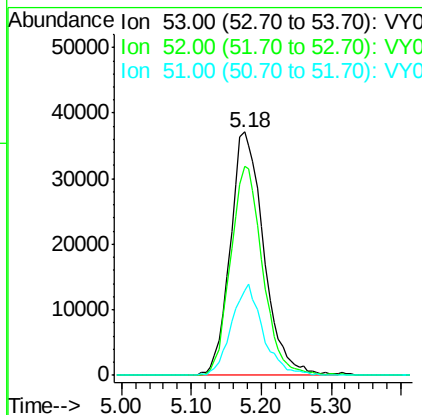
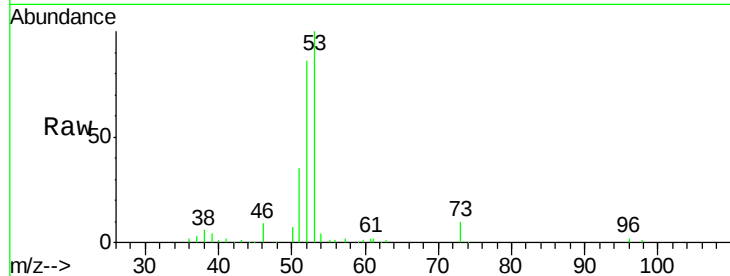
ClientSampleId :

SB-2-(4-5)MSD

Tot Ion:	53	Resp:	123559
Ion	Ratio	Lower	Upper
53	100		
52	82.0	63.6	95.4
51	35.4	26.7	40.1

Manual Integrations
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#16

Acetone

Concen: 223.197 ug/l

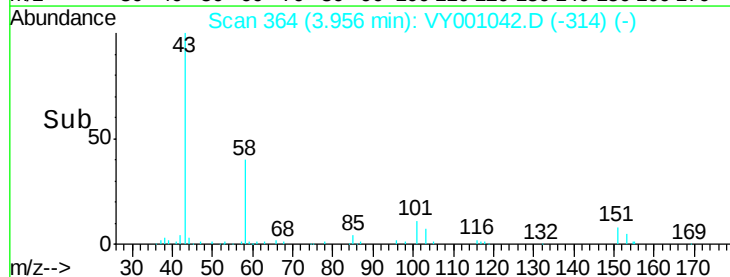
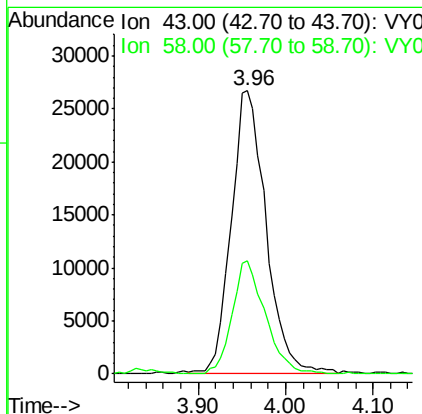
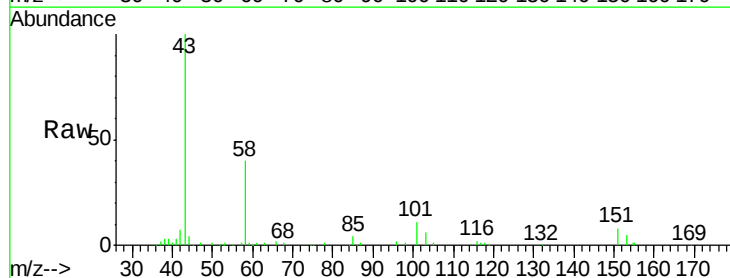
RT: 3.96 min Scan# 364

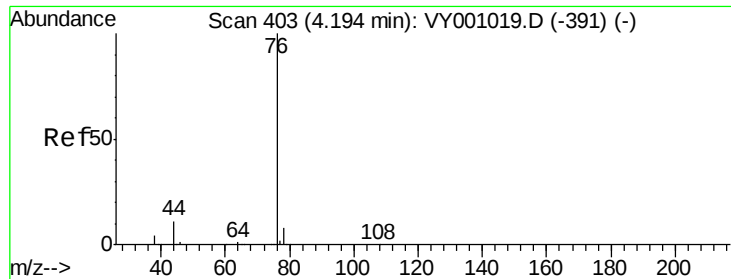
Delta R.T. 0.01 min

Lab File: VY001042.D

Acq: 24 Dec 2019 13:03

Tgt Ion:	43	Resp:	74068
Ion	Ratio	Lower	Upper
43	100		
58	40.2	32.1	48.1





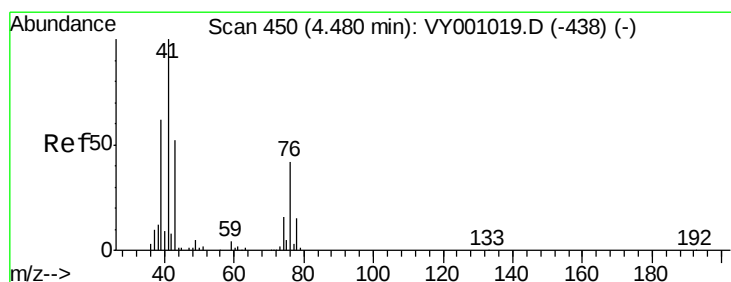
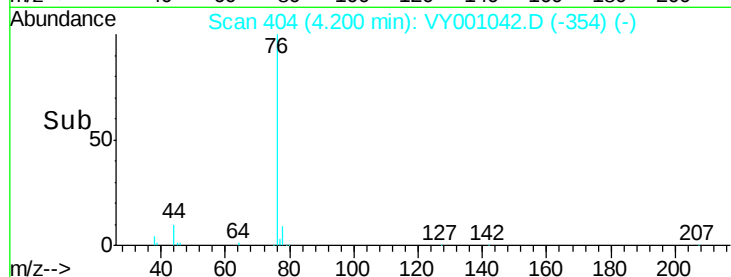
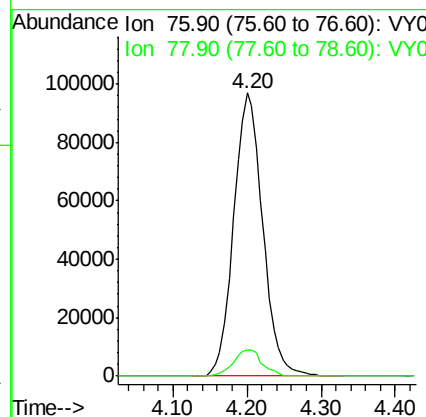
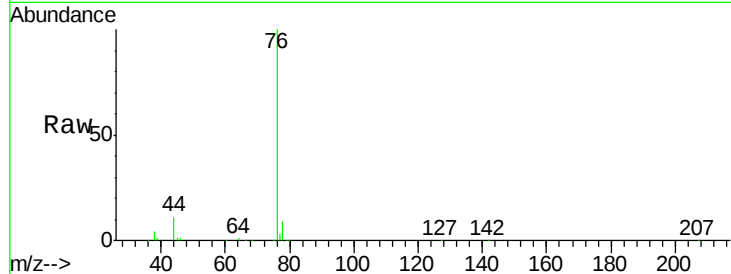
#17
Carbon Disulfide
Concen: 49.258 ug/l
RT: 4.20 min Scan# 404
Delta R.T. 0.01 min
Lab File: VY001042.D
Acq: 24 Dec 2019 13:03

Instrument :
MSVOA_Y
ClientSampleId :
SB-2-(4-5)MSD

Tot Ion	Ratio	Resp	Lower	Upper
76	100	264103		
78	9.1	6.7	10.1	

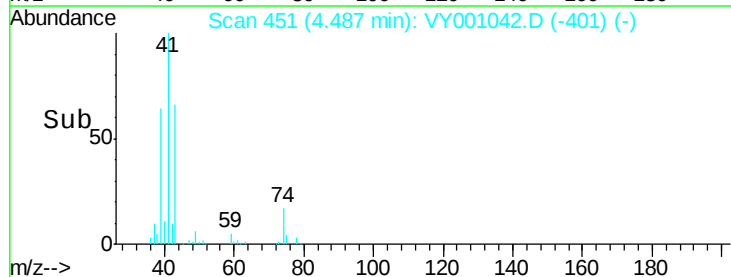
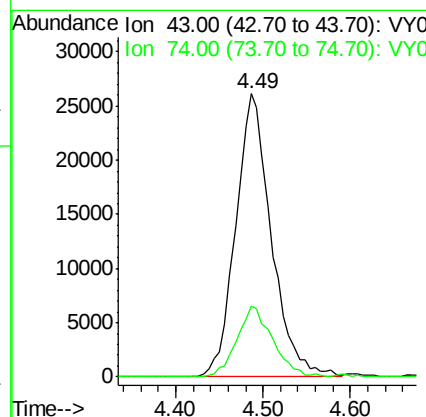
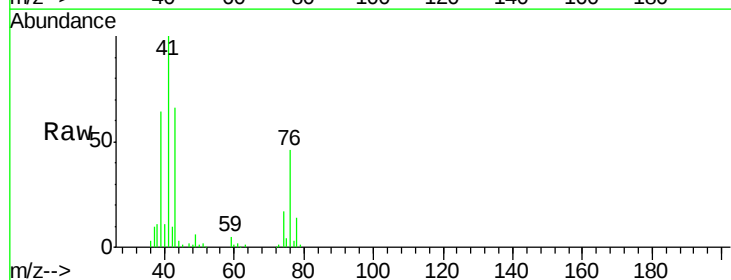
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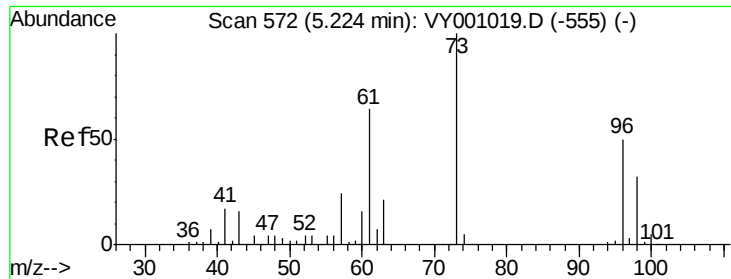
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#18
Methyl Acetate
Concen: 57.942 ug/l
RT: 4.49 min Scan# 451
Delta R.T. 0.01 min
Lab File: VY001042.D
Acq: 24 Dec 2019 13:03

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	73770		
74	24.8	20.7	31.1	





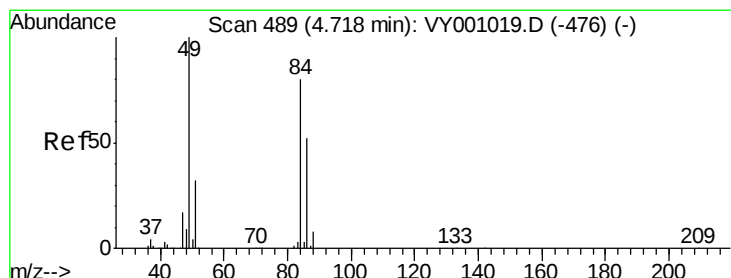
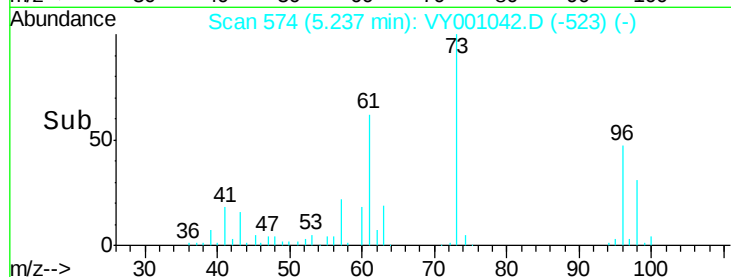
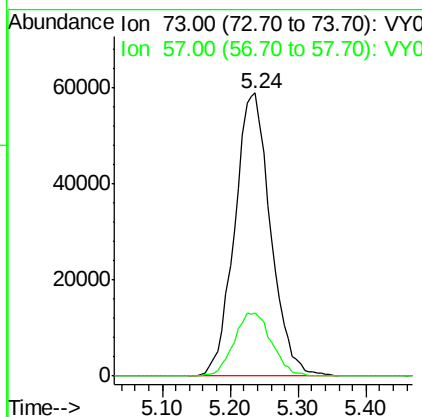
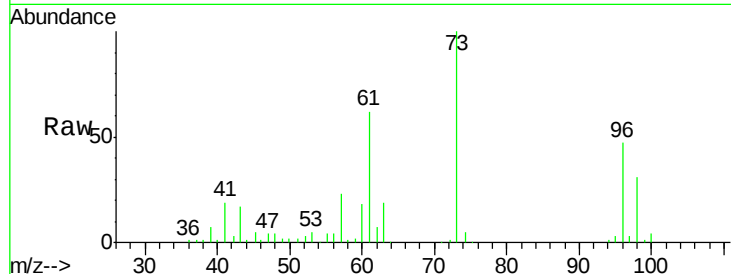
#19
Methvl tert-butvl Ether
Concen: 50.937 ug/l
RT: 5.24 min Scan# 574
Delta R.T. 0.01 min
Lab File: VY001042.D
Acq: 24 Dec 2019 13:03

Instrument :
MSVOA_Y
ClientSampleId :
SB-2-(4-5)MSD

Tot Ion: 73 Resp: 215712
Ion Ratio Lower Upper
73 100
57 22.5 19.0 28.6

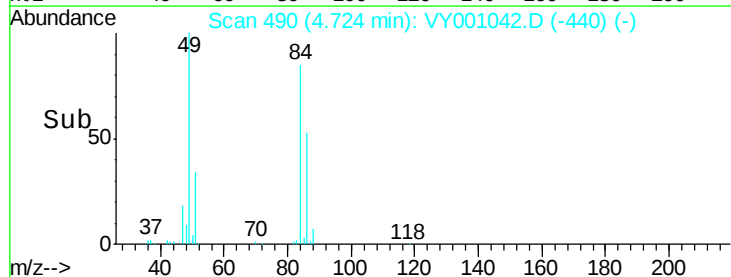
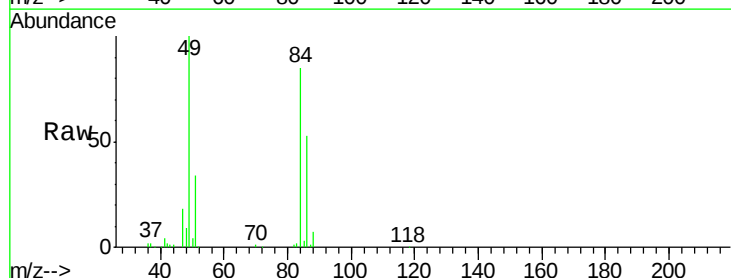
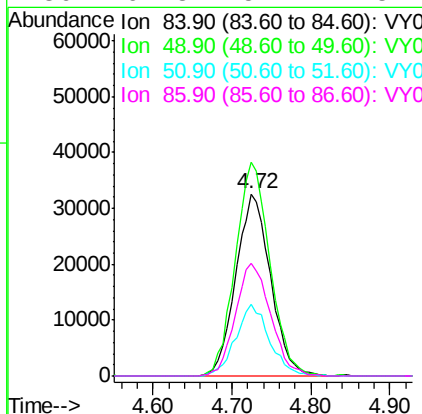
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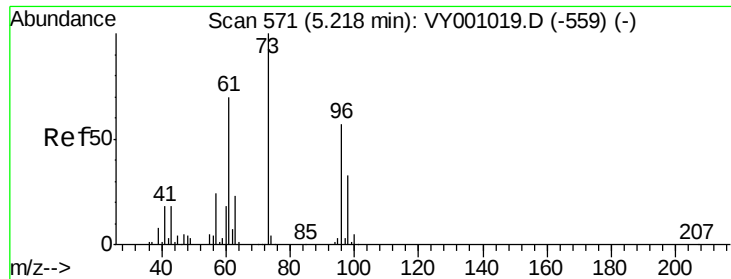
apatel
12/26/2019 12:30:05 PM



#20
Methylene Chloride
Concen: 51.024 ug/l
RT: 4.72 min Scan# 490
Delta R.T. 0.01 min
Lab File: VY001042.D
Acq: 24 Dec 2019 13:03

Tgt Ion: 84 Resp: 99665
Ion Ratio Lower Upper
84 100
49 117.4 99.8 149.6
51 39.6 31.4 47.2
86 61.8 52.2 78.2





#21

trans-1,2-Dichloroethene

Concen: 49.765 ug/l

RT: 5.23 min Scan# 573

Delta R.T. 0.01 min

Lab File: VY001042.D

Acq: 24 Dec 2019 13:03

Instrument :

MSVOA_Y

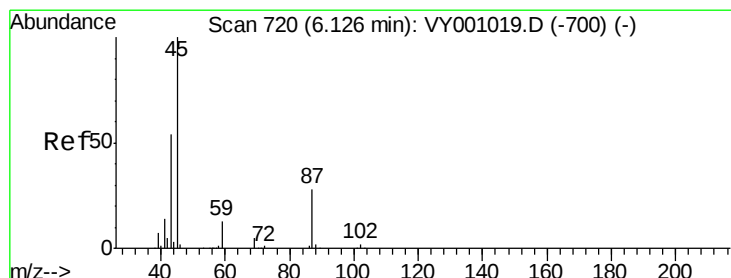
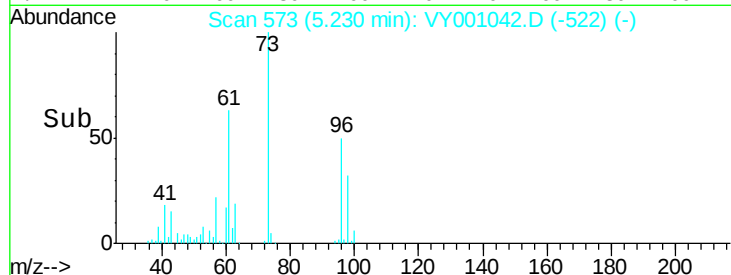
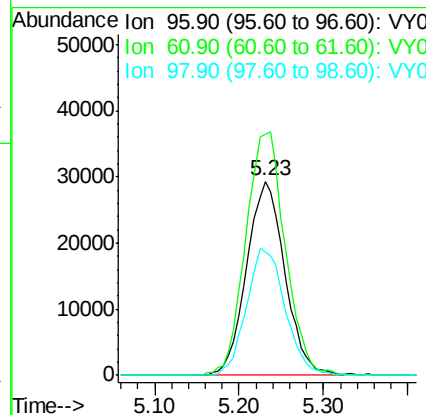
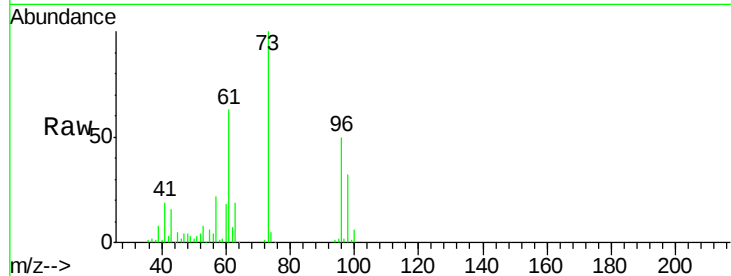
ClientSampleId :

SB-2-(4-5)MSD

Tot Ion:	96	Resp:	90493
Ion	Ratio	Lower	Upper
96	100		
61	124.1	98.1	147.1
98	63.3	47.2	70.8

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#22

Diisopropyl ether

Concen: 52.581 ug/l

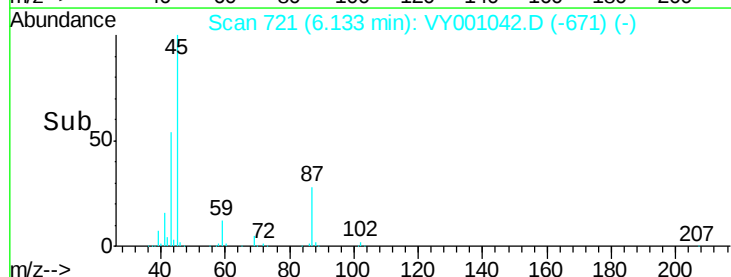
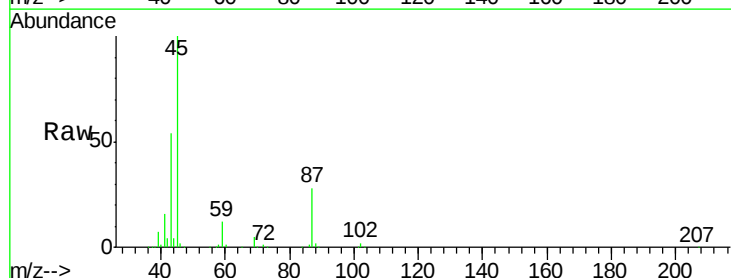
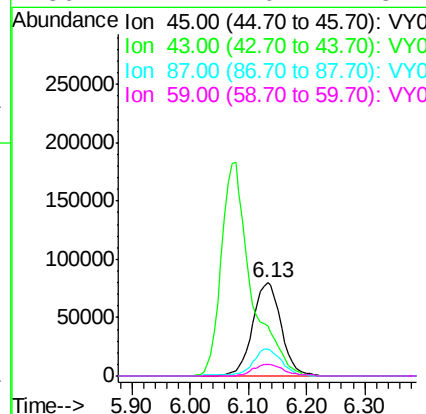
RT: 6.13 min Scan# 721

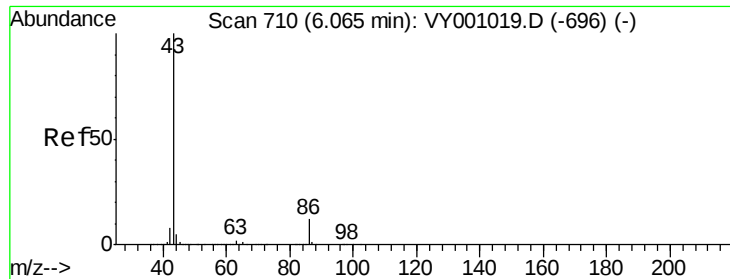
Delta R.T. 0.01 min

Lab File: VY001042.D

Acq: 24 Dec 2019 13:03

Tgt Ion:	45	Resp:	270905
Ion	Ratio	Lower	Upper
45	100		
43	53.3	43.6	65.4
87	28.4	23.1	34.7
59	12.2	10.2	15.4





#23

Vinyl Acetate

Concen: 199.145 ug/l

RT: 6.08 min Scan# 712

Delta R.T. 0.01 min

Lab File: VY001042.D

Acq: 24 Dec 2019 13:03

Instrument :

MSVOA_Y

ClientSampleId :

SB-2-(4-5)MSD

Tot Ion: 43 Resp: 647976

Ion Ratio Lower Upper

43 100

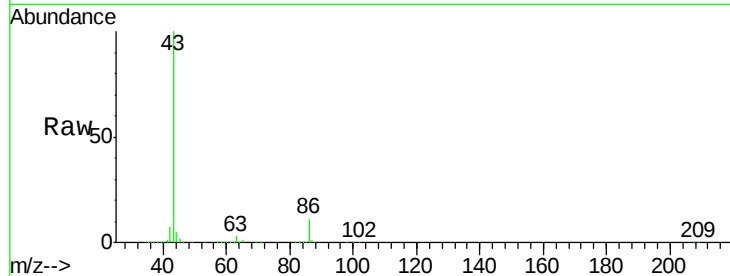
86 10.7 9.5 14.3

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0

6.08

200000

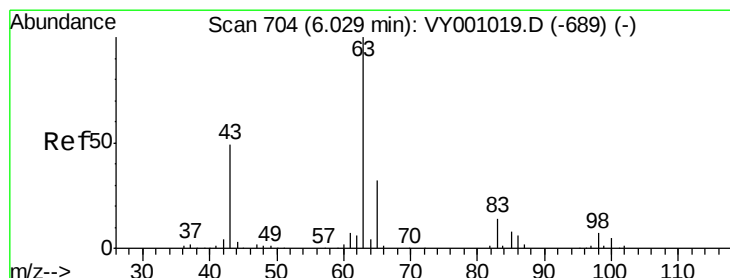
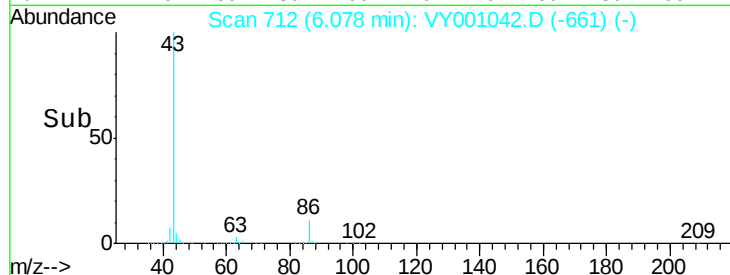
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 50.092 ug/l

RT: 6.03 min Scan# 704

Delta R.T. 0.00 min

Lab File: VY001042.D

Acq: 24 Dec 2019 13:03

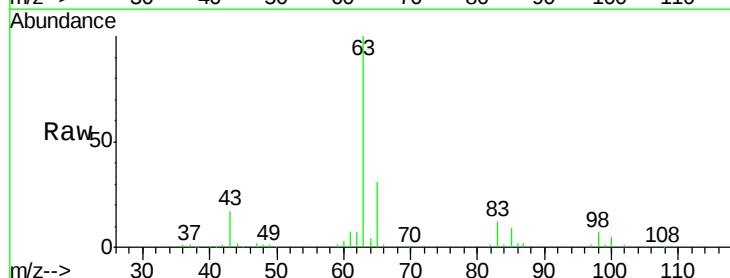
Tgt Ion: 63 Resp: 152514

Ion Ratio Lower Upper

63 100

98 7.4 3.8 11.2

100 4.9 2.5 7.5



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0

6.03

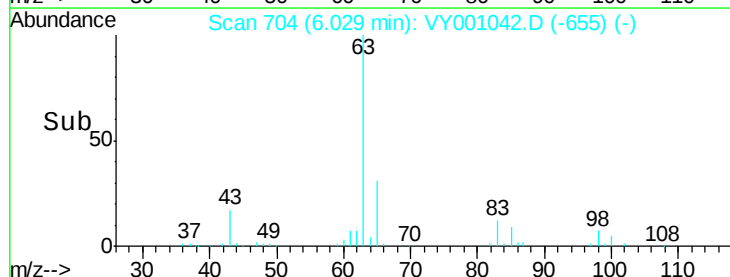
60000

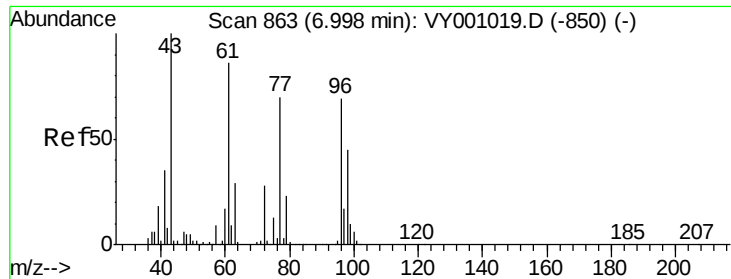
40000

20000

0

Time-->





#25

2-Butanone

Concen: 243.069 ug/l

RT: 7.00 min Scan# 864

Delta R.T. 0.01 min

Lab File: VY001042.D

Acq: 24 Dec 2019 13:03

Instrument :

MSVOA_Y

ClientSampleId :

SB-2-(4-5)MSD

Tot Ion: 43 Resp: 141703

Ion Ratio Lower Upper

43 100

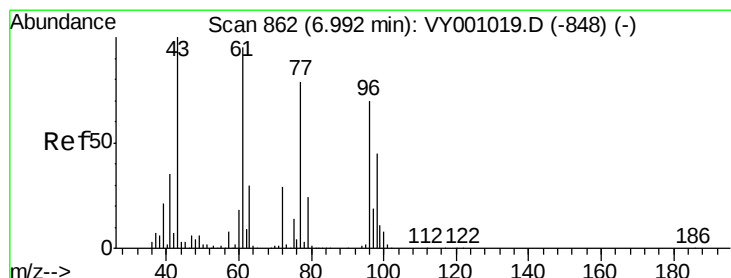
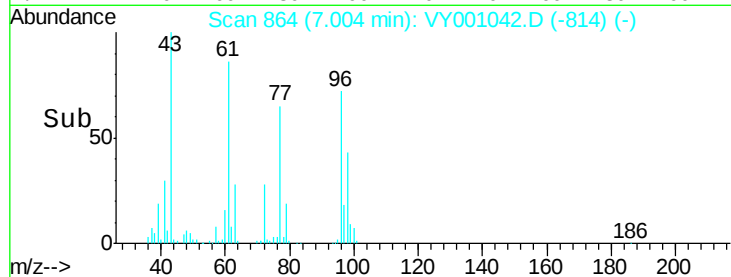
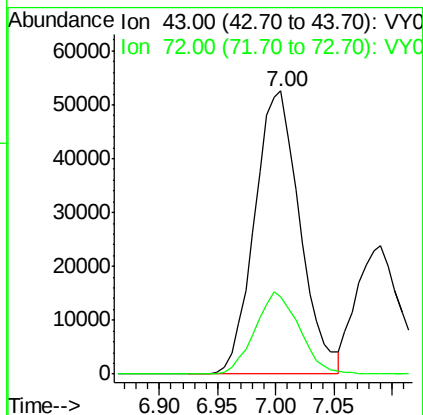
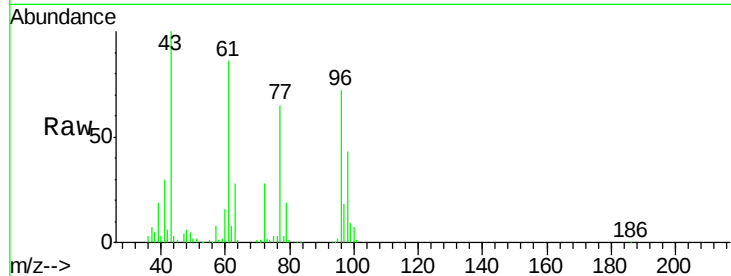
72 27.5 22.4 33.6

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#26

2,2-Dichloropropane

Concen: 46.902 ug/l

RT: 6.99 min Scan# 862

Delta R.T. 0.00 min

Lab File: VY001042.D

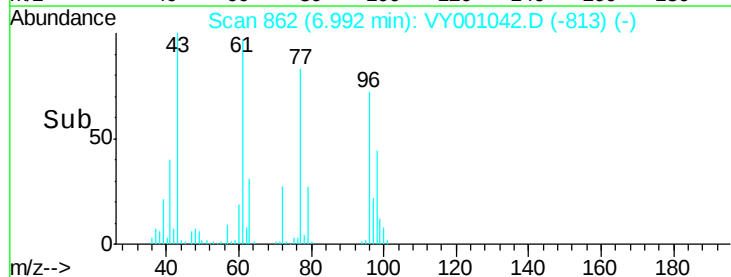
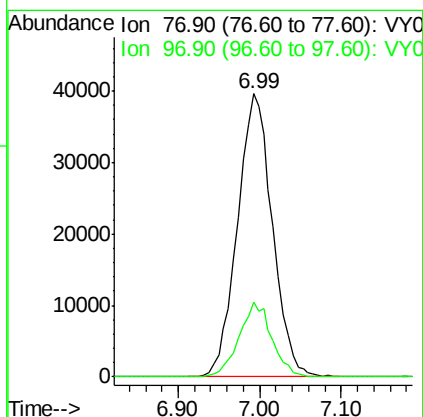
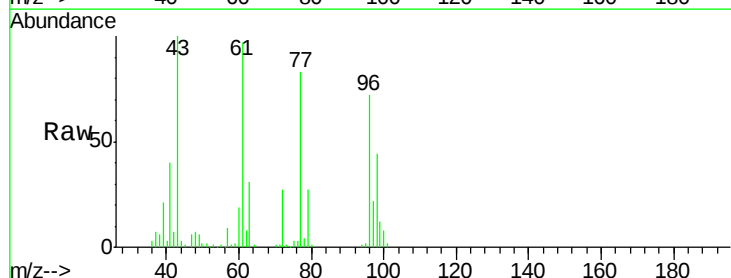
Acq: 24 Dec 2019 13:03

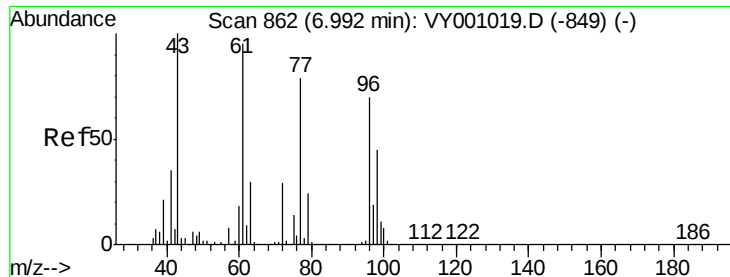
Tgt Ion: 77 Resp: 117322

Ion Ratio Lower Upper

77 100

97 24.7 12.0 36.1





#27

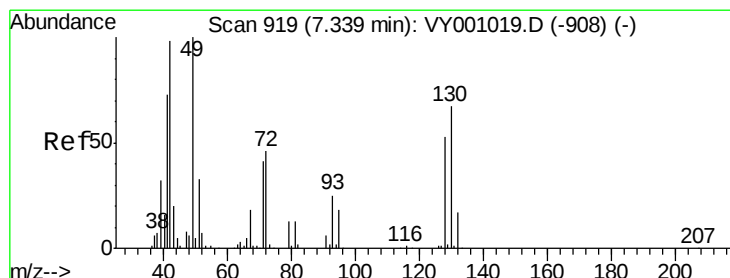
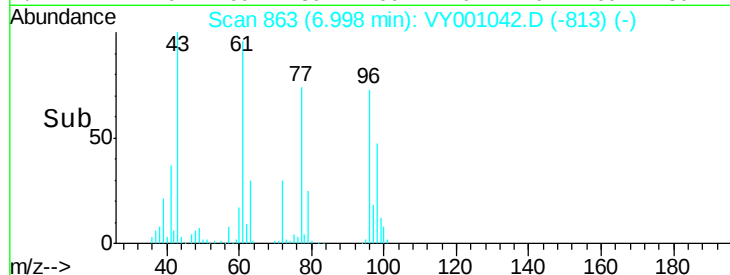
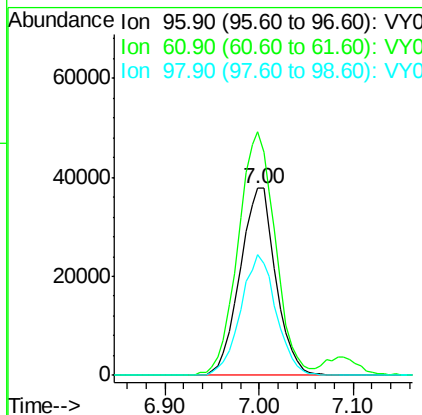
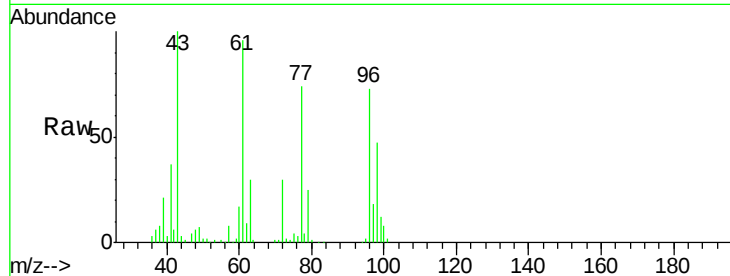
cis-1,2-Dichloroethene
Concen: 50.530 ug/l
RT: 7.00 min Scan# 863
Delta R.T. 0.01 min
Lab File: VY001042.D
Acq: 24 Dec 2019 13:03

Instrument :
MSVOA_Y
ClientSampleId :
SB-2-(4-5)MSD

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	134.6	0.0	268.2	
98	63.9	0.0	129.2	

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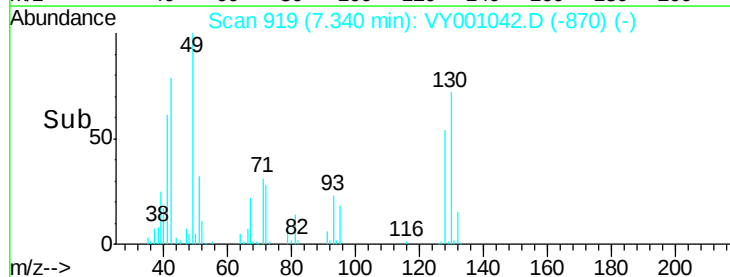
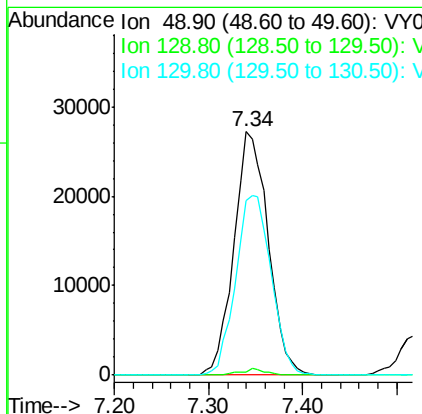
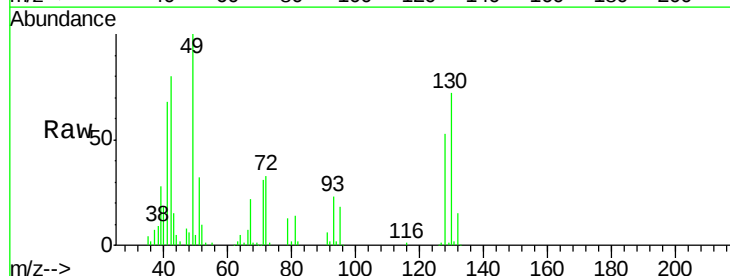
apatel
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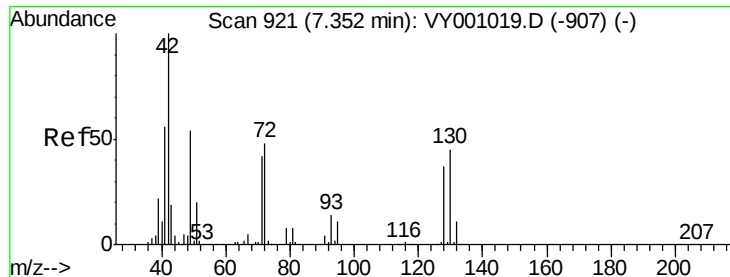


#28

Bromochloromethane
Concen: 58.264 ug/l
RT: 7.34 min Scan# 919
Delta R.T. 0.00 min
Lab File: VY001042.D
Acq: 24 Dec 2019 13:03

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.9	0.0	3.8	
130	76.6	60.4	90.6	





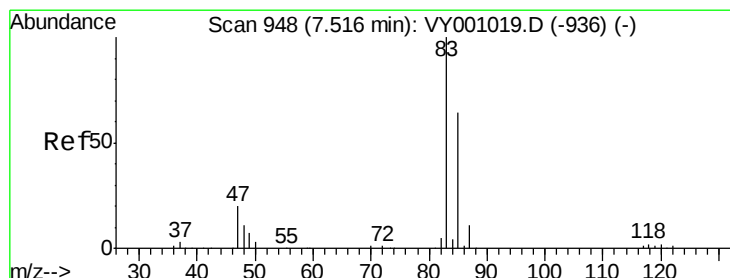
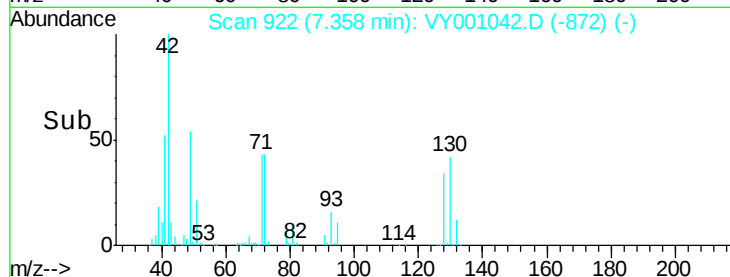
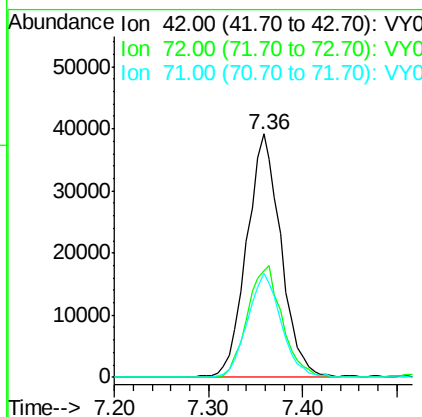
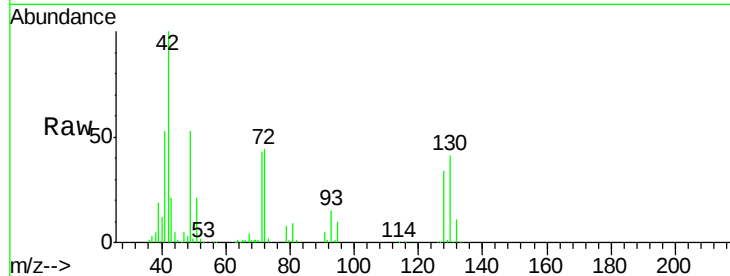
#29
Tetrahydrofuran
Concen: 241.407 ug/l
RT: 7.36 min Scan# 922
Delta R.T. 0.01 min
Lab File: VY001042.D
Acq: 24 Dec 2019 13:03

Instrument :
MSVOA_Y
ClientSampled :
SB-2-(4-5)MSD

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.3	37.7	56.5
71	42.1	34.6	51.8

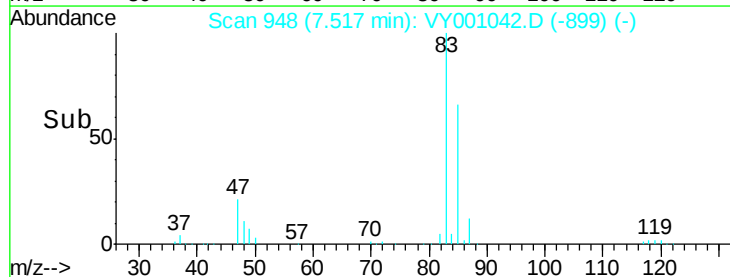
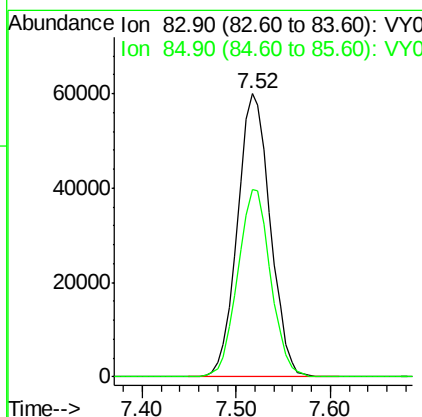
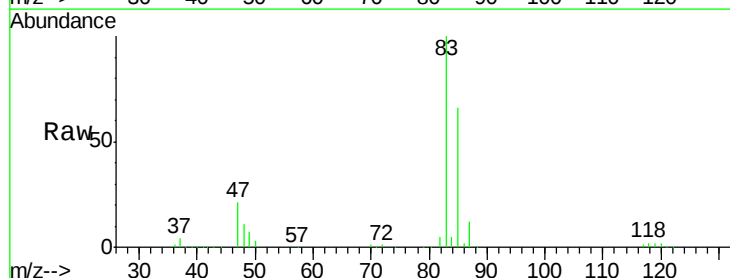
Manual Integrations
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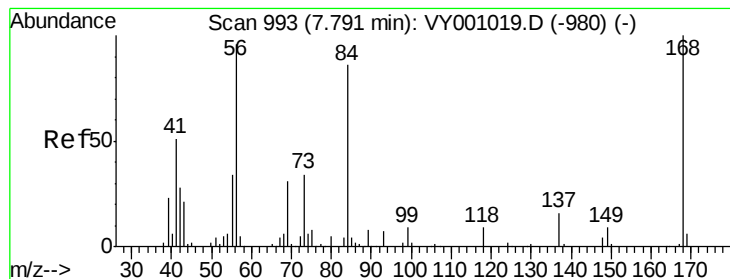
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#30
Chloroform
Concen: 50.740 ug/l
RT: 7.52 min Scan# 948
Delta R.T. 0.00 min
Lab File: VY001042.D
Acq: 24 Dec 2019 13:03

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.0	51.6	77.4





#31

Cyclohexane

Concen: 48.259 ug/l

RT: 7.79 min Scan# 993

Delta R.T. 0.00 min

Lab File: VY001042.D

Acq: 24 Dec 2019 13:03

Instrument :

MSVOA_Y

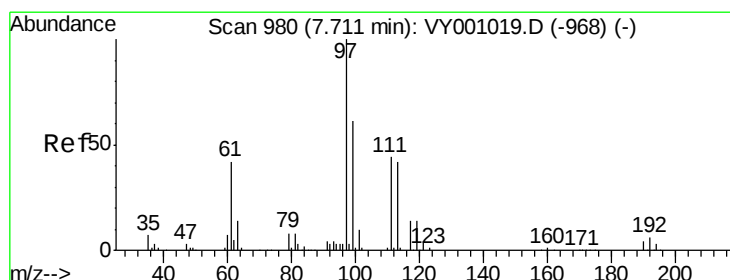
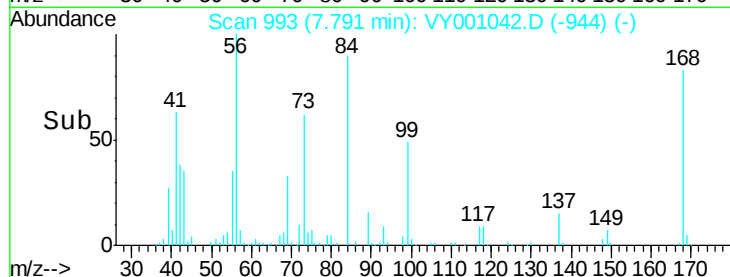
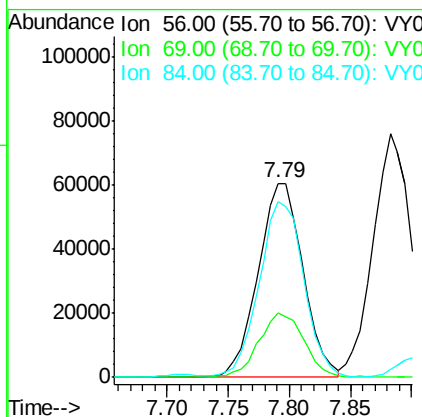
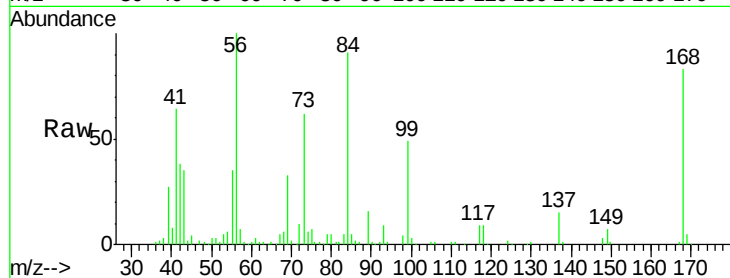
ClientSampleId :

SB-2-(4-5)MSD

Tot Ion:	56	Resp:	154504
Ion Ratio	Lower	Upper	
56	100		
69	33.0	26.1	39.1
84	89.4	71.8	107.8

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 50.541 ug/l

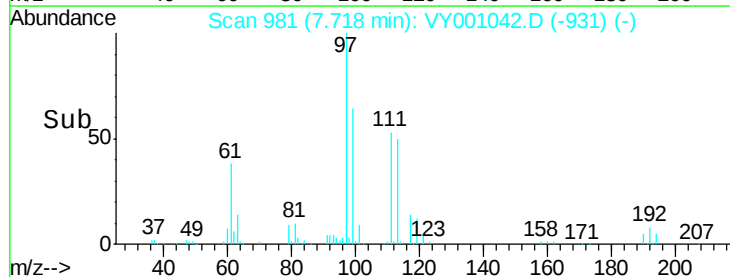
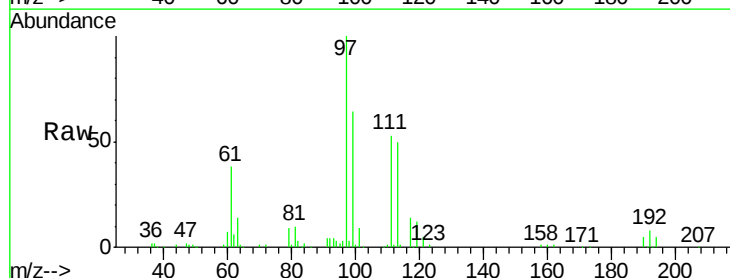
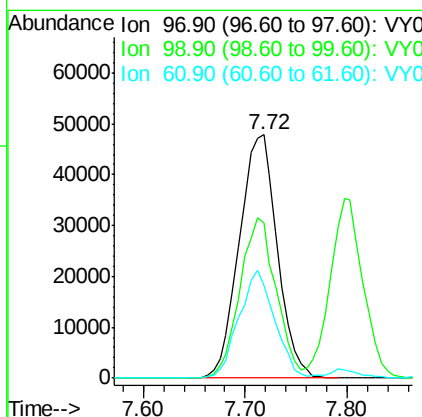
RT: 7.72 min Scan# 981

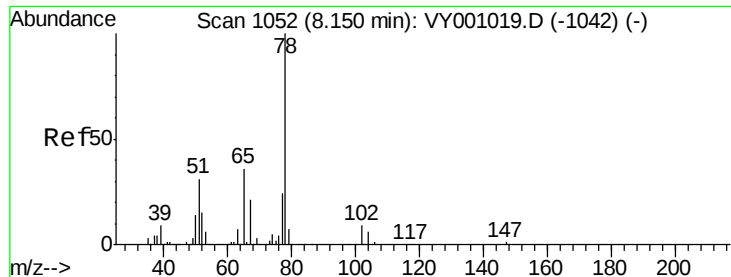
Delta R.T. 0.01 min

Lab File: VY001042.D

Acq: 24 Dec 2019 13:03

Tgt Ion:	97	Resp:	124123
Ion Ratio	Lower	Upper	
97	100		
99	62.7	50.6	76.0
61	41.9	33.0	49.6





#33

1,2-Dichloroethane-d4

Concen: 51.501 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VY001042.D

Acq: 24 Dec 2019 13:03

Instrument :

MSVOA_Y

ClientSampleId :

SB-2-(4-5)MSD

Tot Ion: 65 Resp: 74186

Ion Ratio Lower Upper

65 100

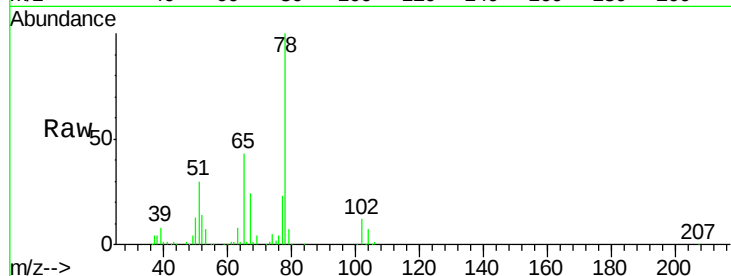
67 56.4 0.0 112.8

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Abundance Ion 64.90 (64.60 to 65.60): VY001019.D (-1042) (-)

Ion 66.90 (66.60 to 67.60): VY001019.D (-1042) (-)

8.15

40000

30000

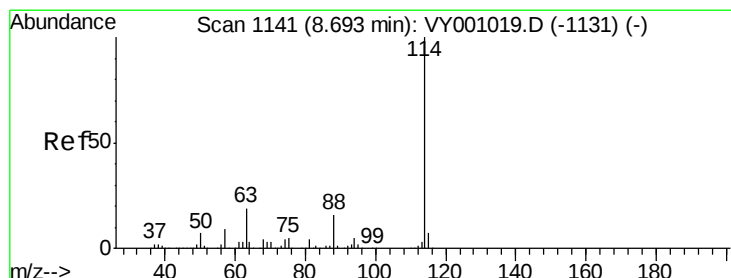
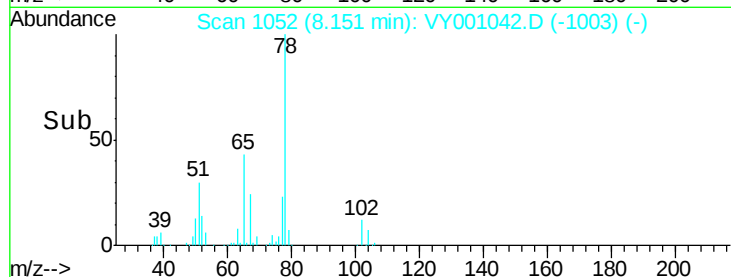
20000

10000

0

8.05 8.10 8.15 8.20 8.25

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.70 min Scan# 1142

Delta R.T. 0.01 min

Lab File: VY001042.D

Acq: 24 Dec 2019 13:03

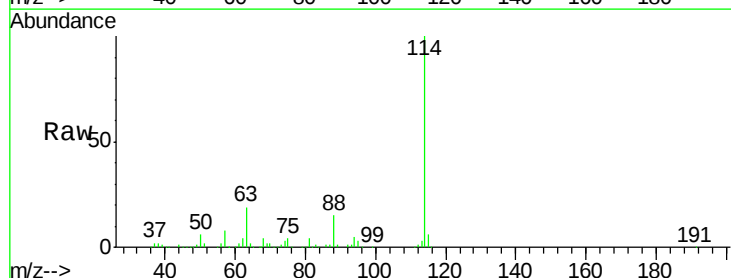
Tgt Ion: 114 Resp: 259616

Ion Ratio Lower Upper

114 100

63 19.1 0.0 37.0

88 14.9 0.0 32.0



Abundance Ion 113.90 (113.60 to 114.60): VY001019.D (-1131) (-)

Ion 63.00 (62.70 to 63.70): VY001019.D (-1131) (-)

Ion 87.90 (87.60 to 88.60): VY001019.D (-1131) (-)

8.70

150000

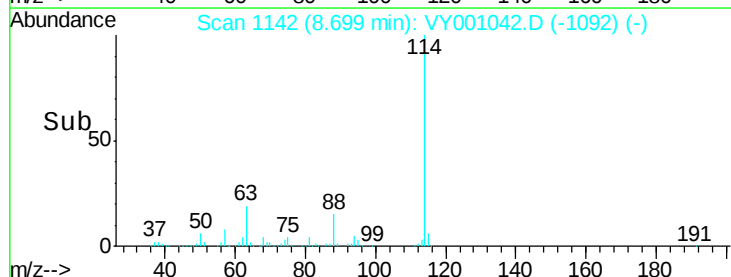
100000

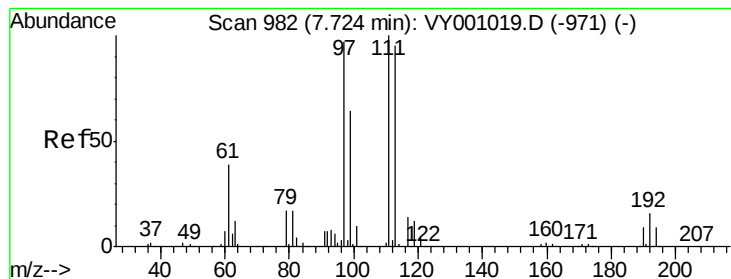
50000

0

8.60 8.65 8.70 8.75 8.80

Time-->





#35

Dibromofluoromethane

Concen: 47.966 ug/l

RT: 7.72 min Scan# 982

Delta R.T. 0.00 min

Lab File: VY001042.D

Acq: 24 Dec 2019 13:03

Instrument :

MSVOA_Y

ClientSampleId :

SB-2-(4-5)MSD

Tot Ion:113 Resp: 73328

Ion Ratio Lower Upper

113 100

111 106.2 83.0 124.4

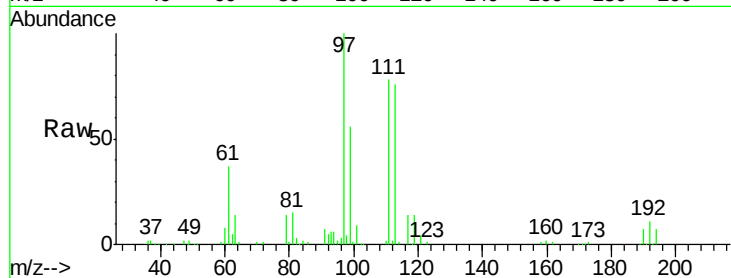
192 18.1 14.6 21.8

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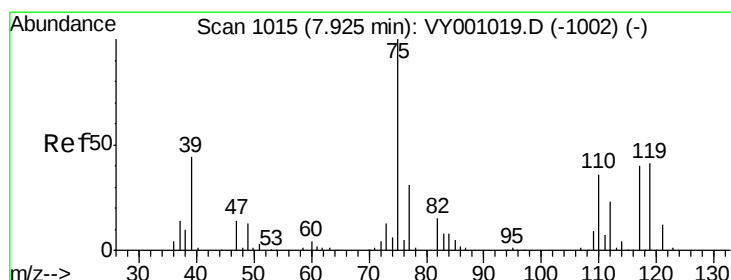
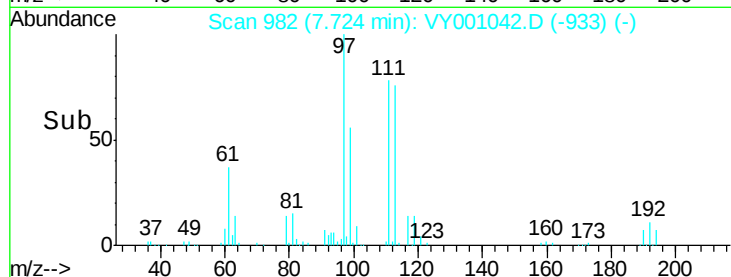
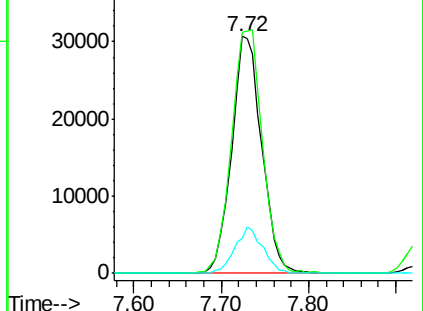
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Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 49.441 ug/l

RT: 7.93 min Scan# 1015

Delta R.T. 0.00 min

Lab File: VY001042.D

Acq: 24 Dec 2019 13:03

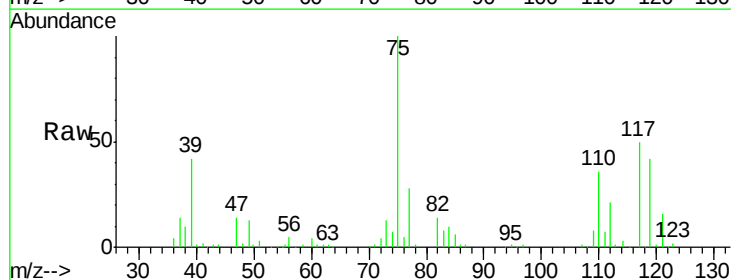
Tgt Ion: 75 Resp: 122451

Ion Ratio Lower Upper

75 100

110 36.4 18.1 54.4

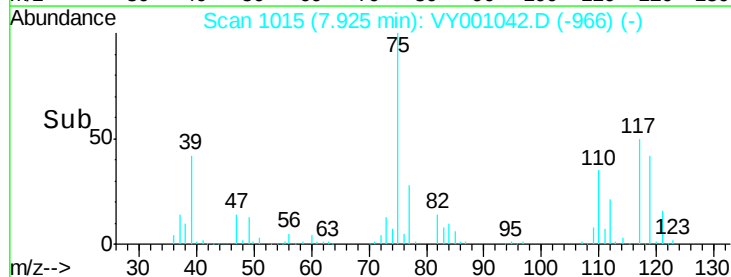
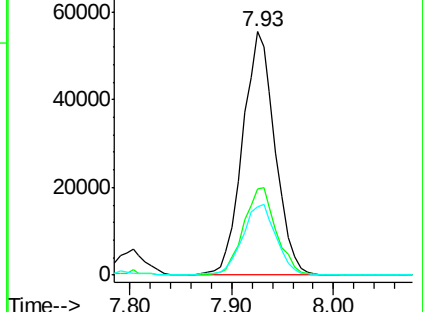
77 30.3 24.6 37.0

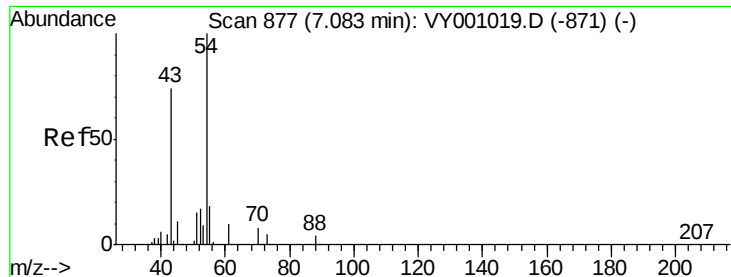


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0





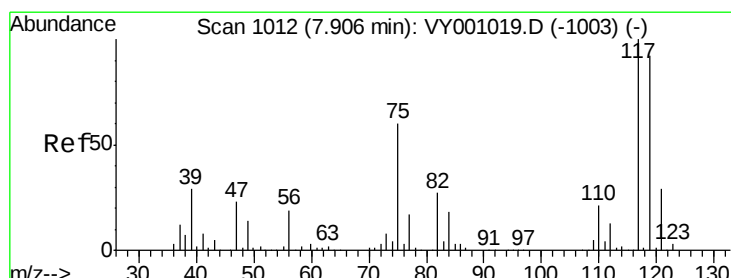
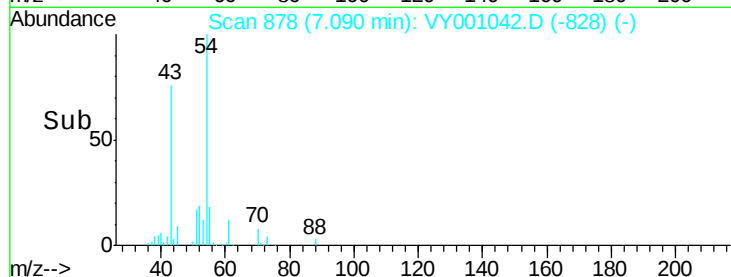
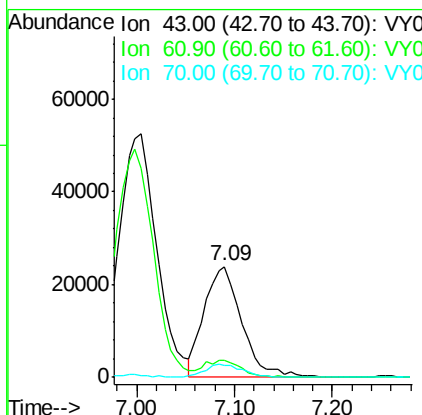
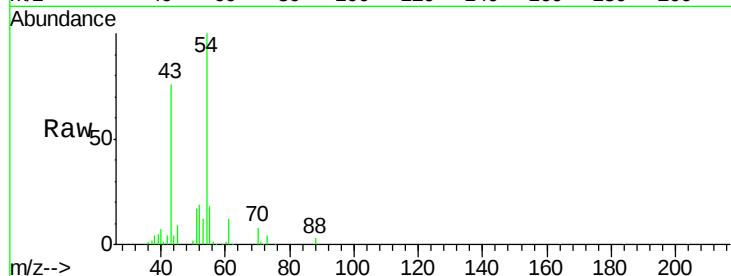
#37
Ethyl Acetate
Concen: 46.570 ug/l
RT: 7.09 min Scan# 878
Delta R.T. 0.01 min
Lab File: VY001042.D
Acq: 24 Dec 2019 13:03

Instrument :
MSVOA_Y
ClientSampleId :
SB-2-(4-5)MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.9	12.5	18.7
70	11.7	9.0	13.4

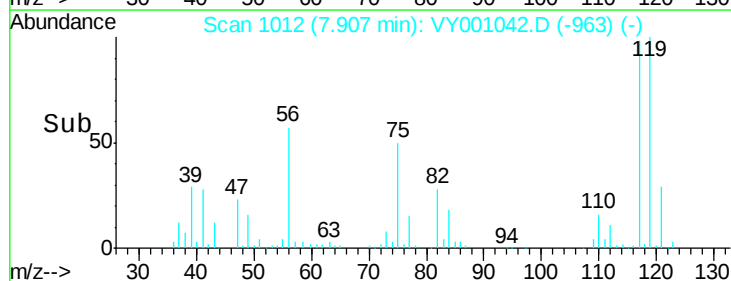
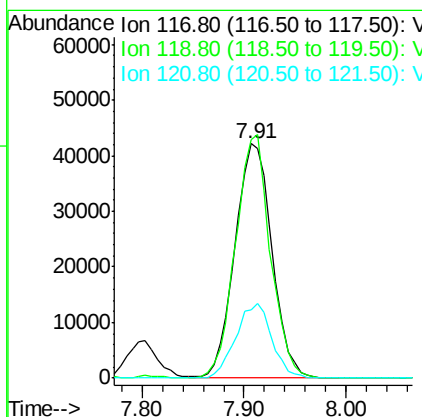
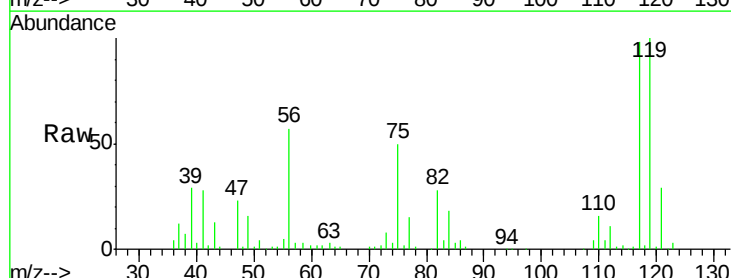
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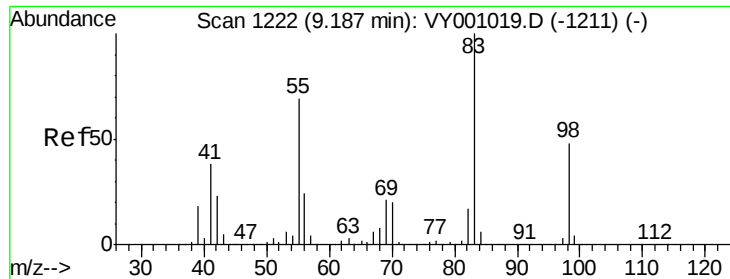
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#38
Carbon Tetrachloride
Concen: 49.032 ug/l
RT: 7.91 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VY001042.D
Acq: 24 Dec 2019 13:03

Tgt Ion	Ratio	Lower	Upper
117	100		
119	101.8	74.2	111.2
121	29.3	22.9	34.3





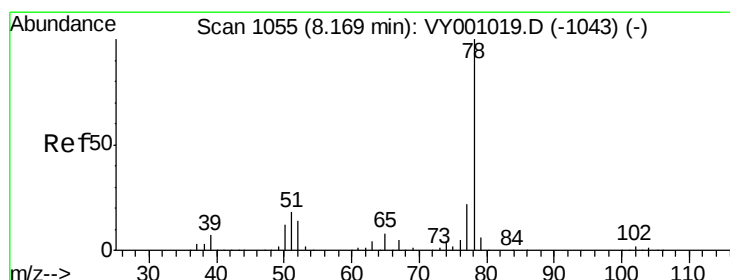
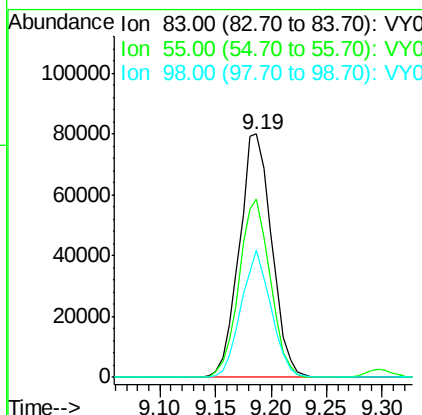
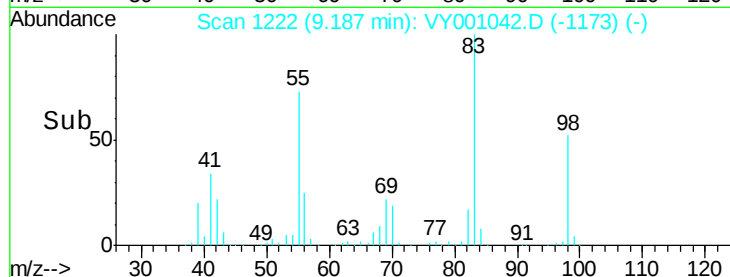
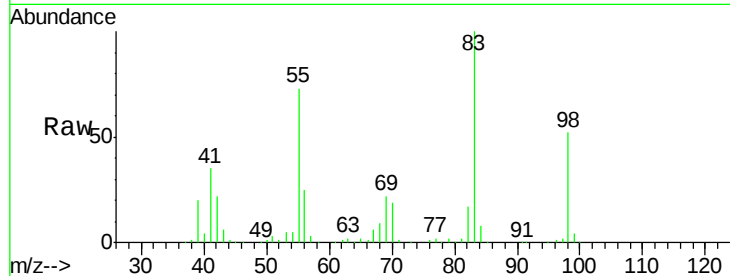
#39
Methvlcvclohexane
Concen: 49.376 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. 0.00 min
Lab File: VY001042.D
Acq: 24 Dec 2019 13:03

Instrument :
MSVOA_Y
ClientSampleId :
SB-2-(4-5)MSD

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.2	55.1	82.7
98	52.4	38.3	57.5

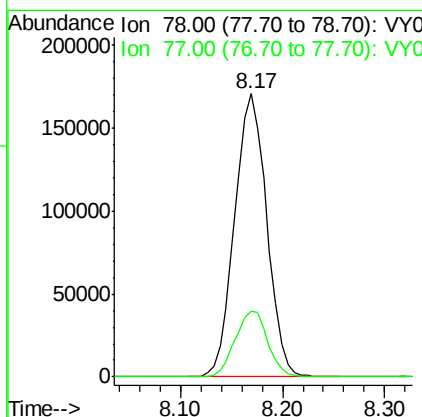
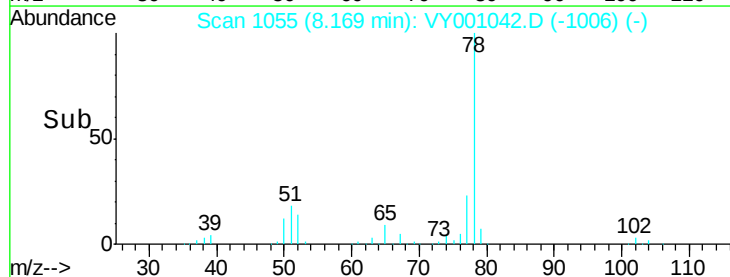
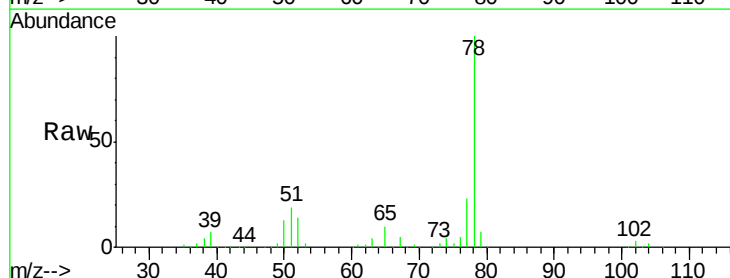
Manual Integrations
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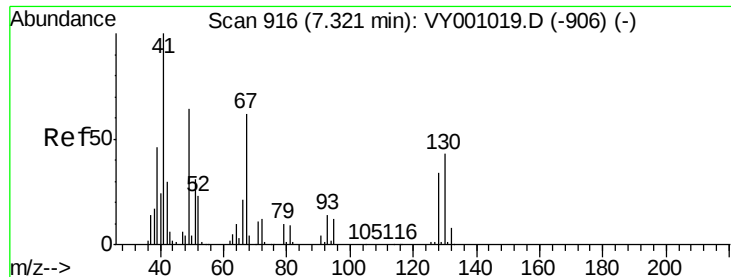
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#40
Benzene
Concen: 49.919 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. 0.00 min
Lab File: VY001042.D
Acq: 24 Dec 2019 13:03

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	17.7	26.5





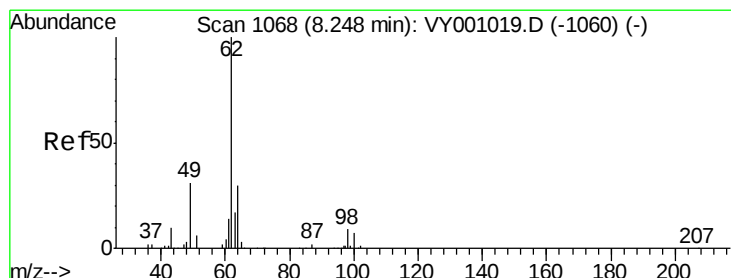
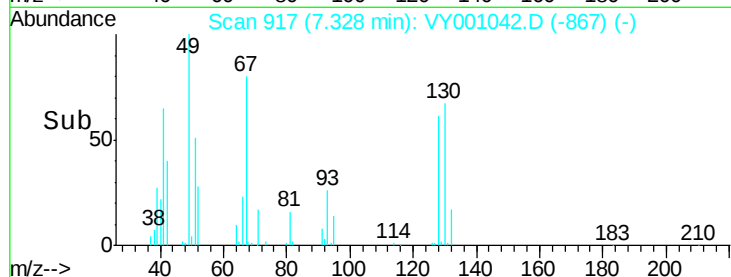
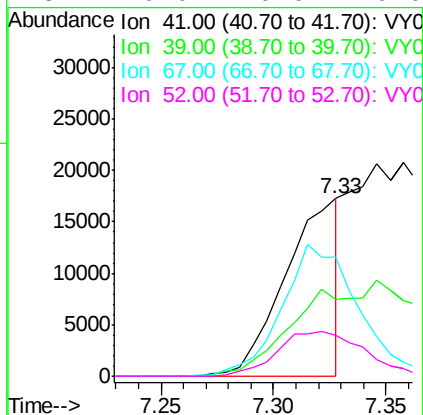
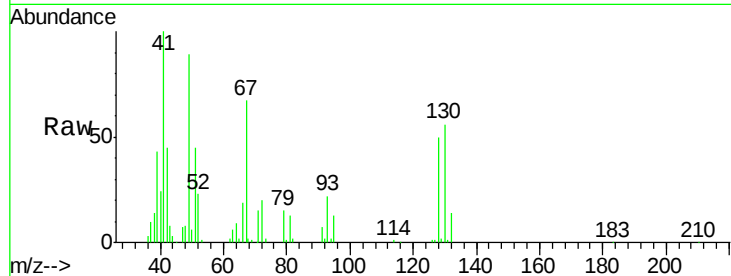
#41
Methacrylonitrile
Concen: 48.652 ug/l m
RT: 7.33 min Scan# 917
Delta R.T. 0.01 min
Lab File: VY001042.D
Acq: 24 Dec 2019 13:03

Instrument :
MSVOA_Y
ClientSampleId :
SB-2-(4-5)MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		28927		
39	0.0	0.0	0.0		
67	0.0	0.0	0.0		
52	0.0	0.0	0.0		

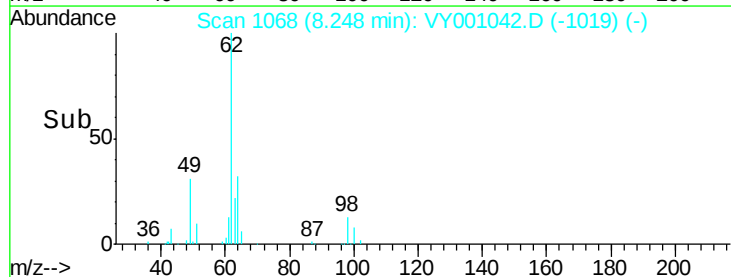
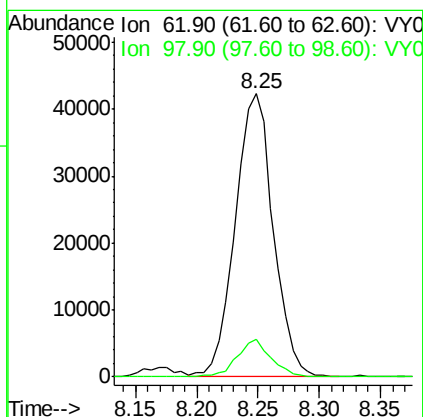
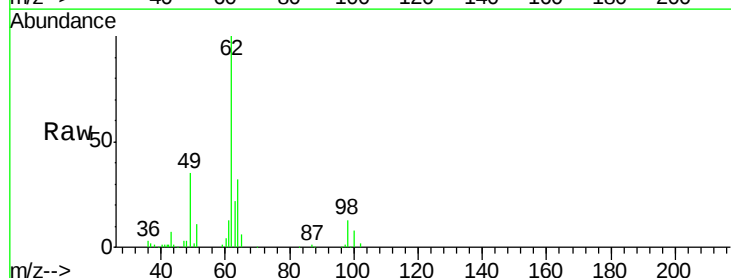
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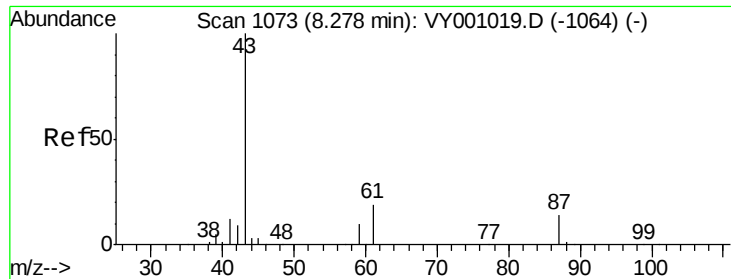
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#42
1,2-Dichloroethane
Concen: 51.114 ug/l
RT: 8.25 min Scan# 1068
Delta R.T. 0.00 min
Lab File: VY001042.D
Acq: 24 Dec 2019 13:03

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		91311		
98	11.7	0.0	23.4		





#43

Isopropyl Acetate

Concen: 48.177 ug/l

RT: 8.28 min Scan# 1074

Delta R.T. 0.01 min

Lab File: VY001042.D

Acq: 24 Dec 2019 13:03

Instrument :

MSVOA_Y

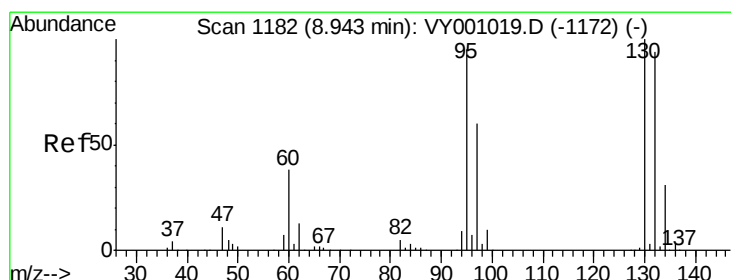
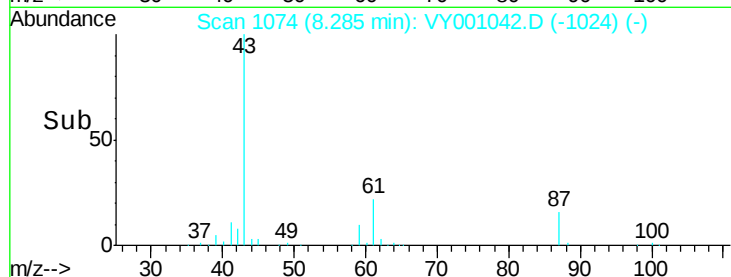
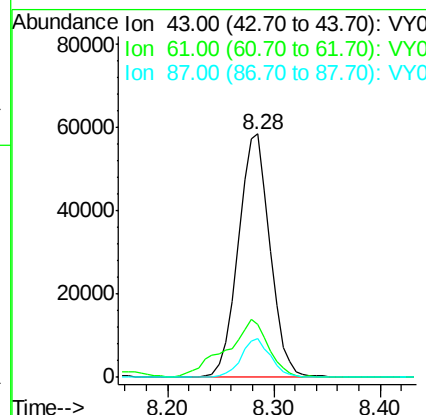
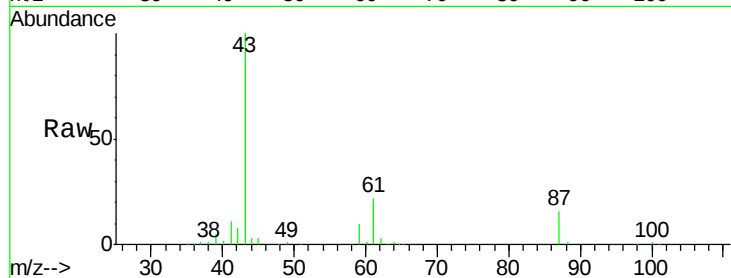
ClientSampleId :

SB-2-(4-5)MSD

Tot Ion:	43	Resp:	122304
Ion Ratio	Lower	Upper	
43	100		
61	31.4	25.0	37.6
87	15.0	12.0	18.0

Manual Integrations
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#44

Trichloroethene

Concen: 48.966 ug/l

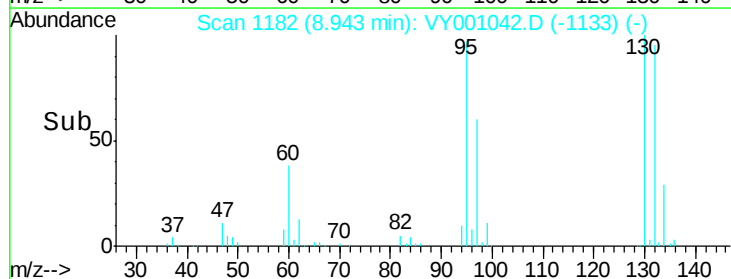
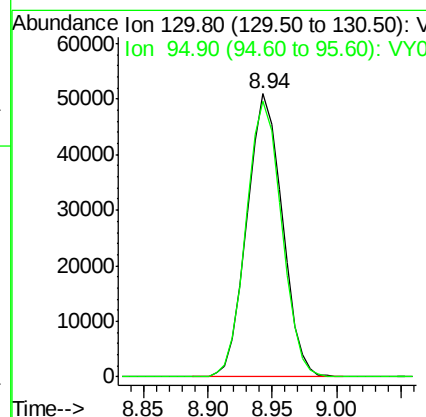
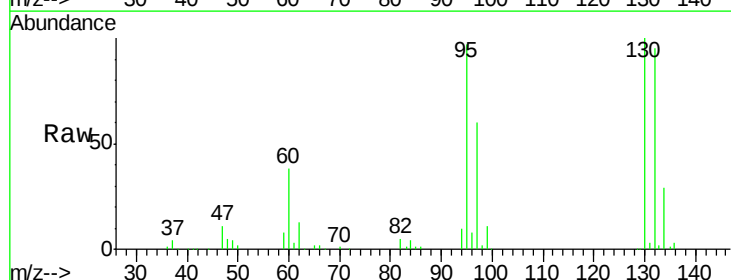
RT: 8.94 min Scan# 1182

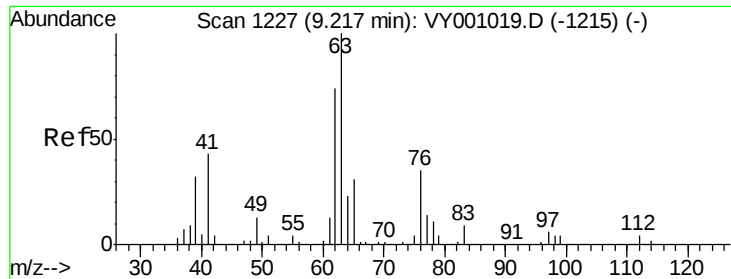
Delta R.T. 0.00 min

Lab File: VY001042.D

Acq: 24 Dec 2019 13:03

Tgt Ion:	130	Resp:	96400
Ion Ratio	Lower	Upper	
130	100		
95	97.5	0.0	190.6





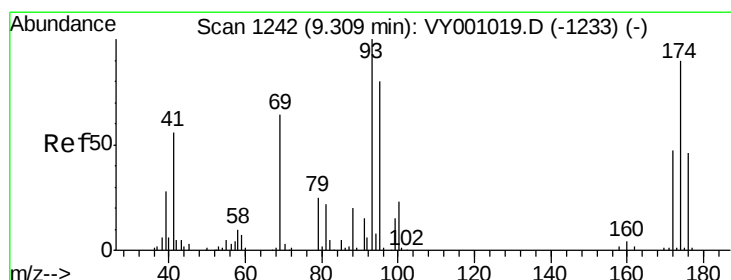
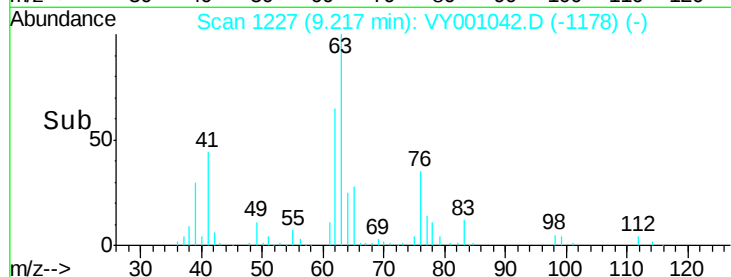
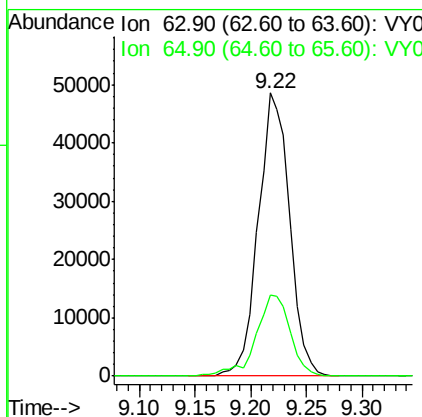
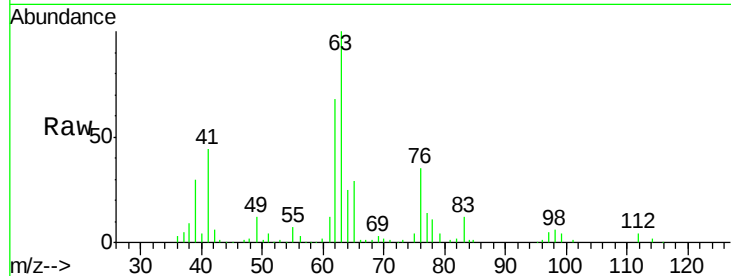
#45
 1,2-Dichloropropane
 Concen: 50.819 ug/l
 RT: 9.22 min Scan# 1227
 Delta R.T. 0.00 min
 Lab File: VY001042.D
 Acq: 24 Dec 2019 13:03

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-2-(4-5)MSD

Tot Ion: 63 Resp: 95258
 Ion Ratio Lower Upper
 63 100
 65 28.8 25.1 37.7

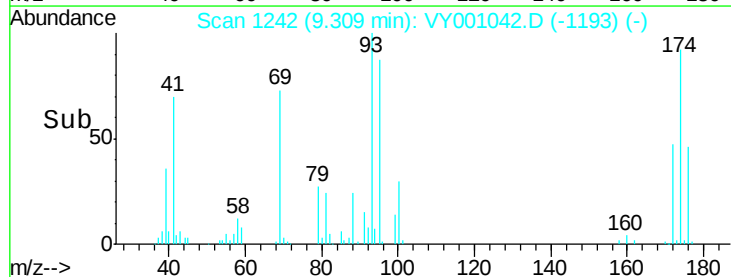
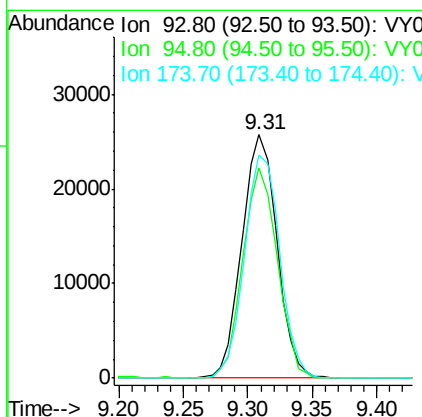
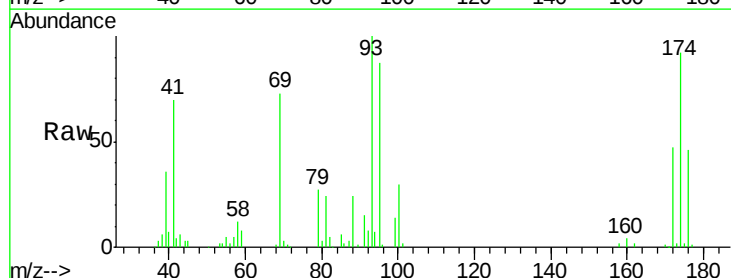
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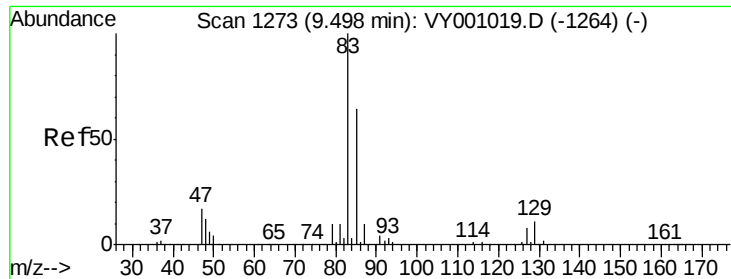
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#46
 Dibromomethane
 Concen: 50.265 ug/l
 RT: 9.31 min Scan# 1242
 Delta R.T. 0.00 min
 Lab File: VY001042.D
 Acq: 24 Dec 2019 13:03

Tgt Ion: 93 Resp: 48569
 Ion Ratio Lower Upper
 93 100
 95 84.8 66.7 100.1
 174 92.3 73.6 110.4





#47

Bromodichloromethane

Concen: 49.957 ug/l

RT: 9.50 min Scan# 1274

Delta R.T. 0.01 min

Lab File: VY001042.D

Acq: 24 Dec 2019 13:03

Instrument :

MSVOA_Y

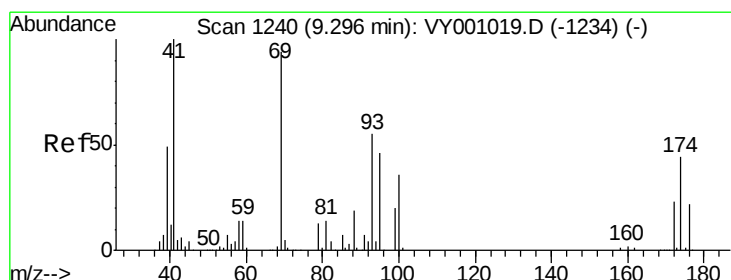
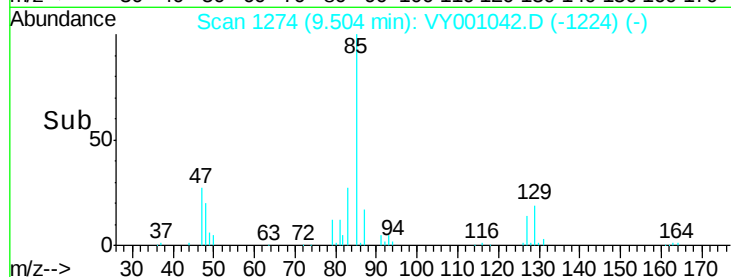
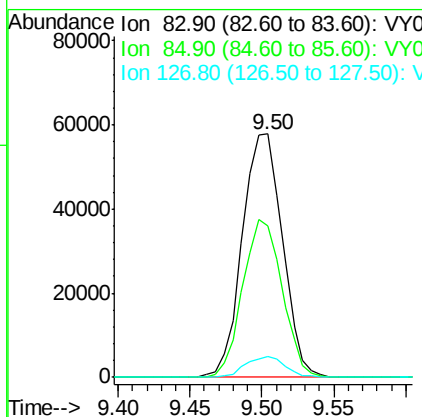
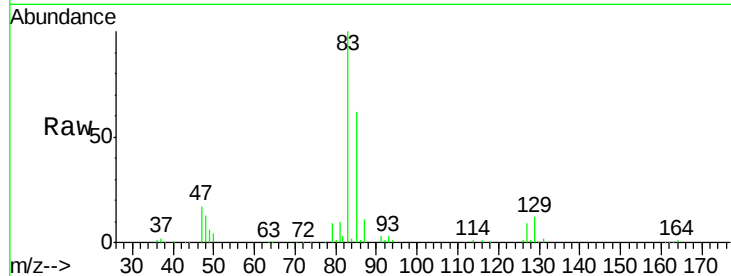
ClientSampleId :

SB-2-(4-5)MSD

Tot Ion:	83	Resp:	111815
Ion Ratio	Lower	Upper	
83	100		
85	62.5	50.9	76.3
127	8.8	6.4	9.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 51.862 ug/l

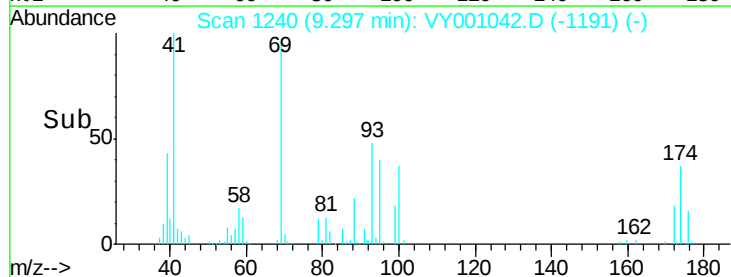
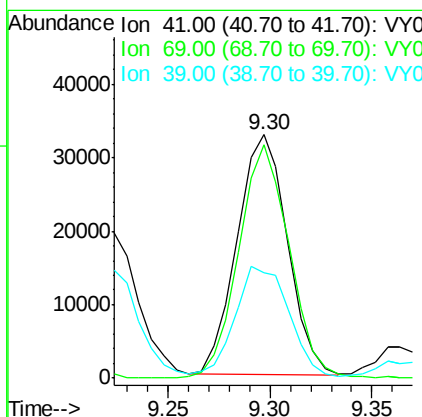
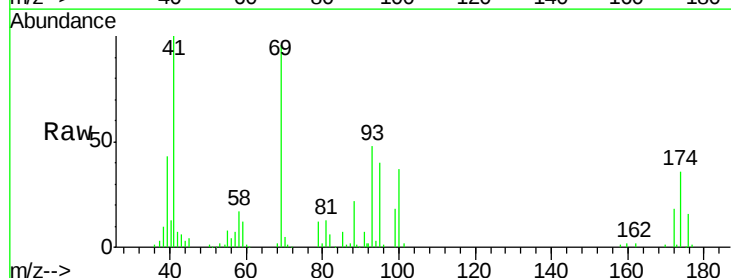
RT: 9.30 min Scan# 1240

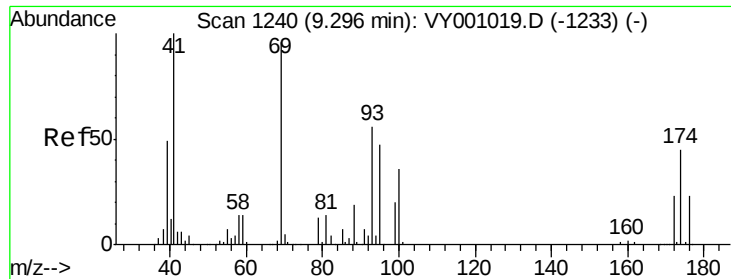
Delta R.T. 0.00 min

Lab File: VY001042.D

Acq: 24 Dec 2019 13:03

Tgt Ion:	41	Resp:	56184
Ion Ratio	Lower	Upper	
41	100		
69	97.5	79.8	119.6
39	48.0	41.7	62.5





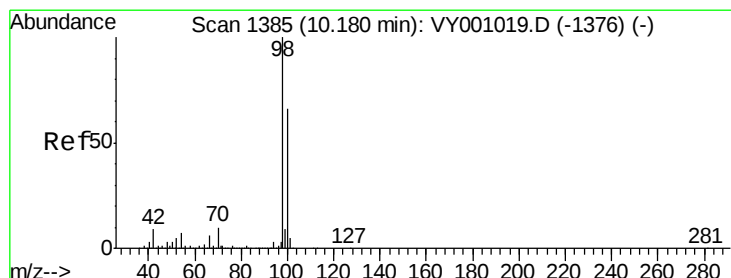
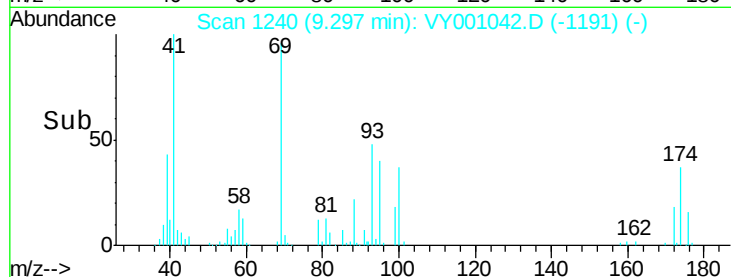
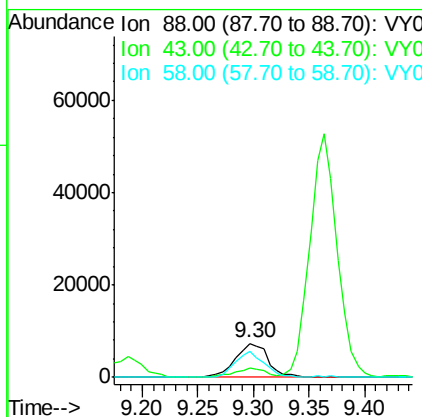
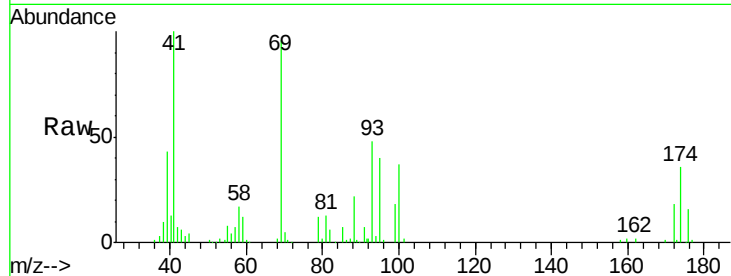
#49
1,4-Dioxane
Concen: 1071.968 ug/l
RT: 9.30 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VY001042.D
Acq: 24 Dec 2019 13:03

Instrument :
MSVOA_Y
ClientSampleId :
SB-2-(4-5)MSD

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	26.3	23.0	34.4	
58	68.0	54.9	82.3	

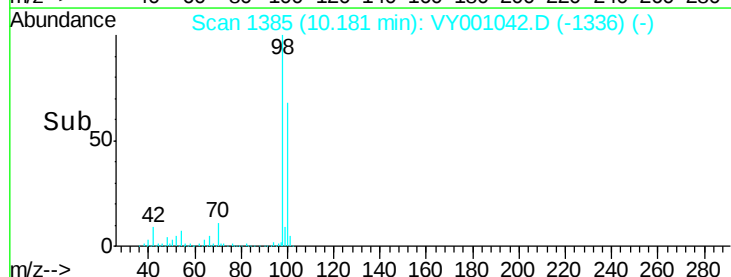
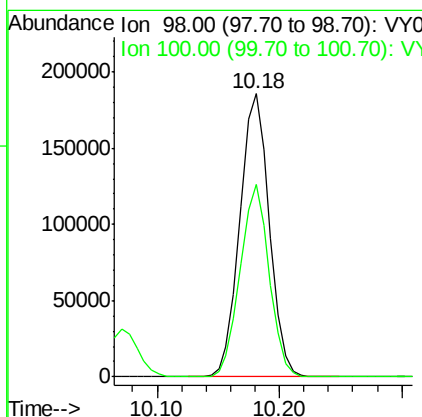
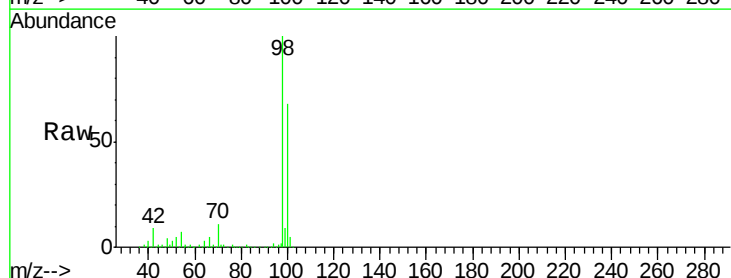
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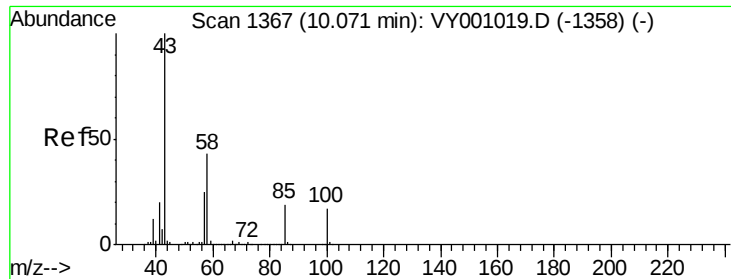
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#50
Toluene-d8
Concen: 51.846 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VY001042.D
Acq: 24 Dec 2019 13:03

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	66.9	53.0	79.4	





#51

4-Methyl-2-Pentanone

Concen: 243.499 ug/l

RT: 10.07 min Scan# 1367

Delta R.T. 0.00 min

Lab File: VY001042.D

Acq: 24 Dec 2019 13:03

Instrument :

MSVOA_Y

ClientSampleId :

SB-2-(4-5)MSD

Tot Ion: 43 Resp: 322193

Ion Ratio Lower Upper

43 100

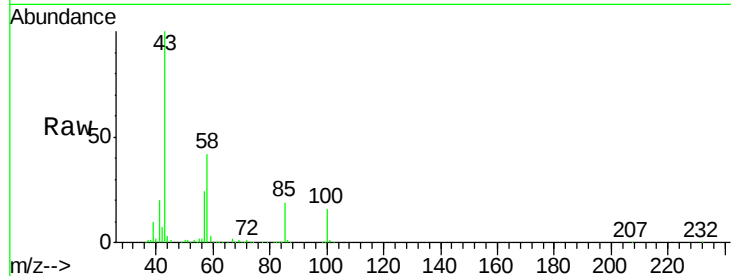
58 42.6 34.6 52.0

Manual Integrations

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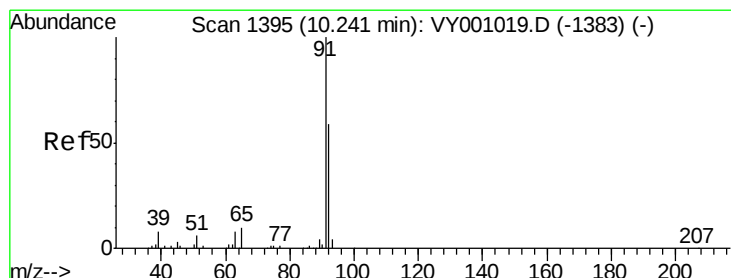
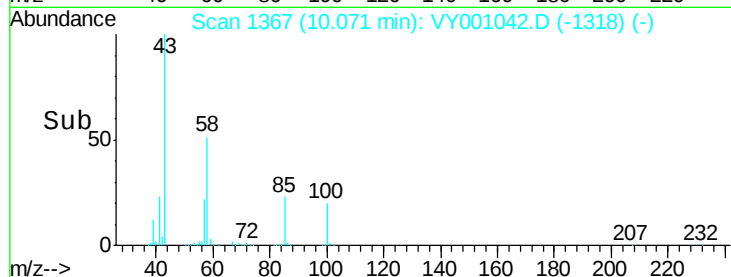
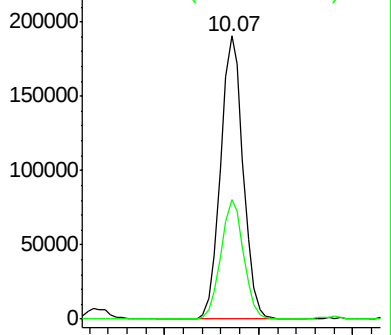
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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#52

Toluene

Concen: 49.116 ug/l

RT: 10.24 min Scan# 1395

Delta R.T. 0.00 min

Lab File: VY001042.D

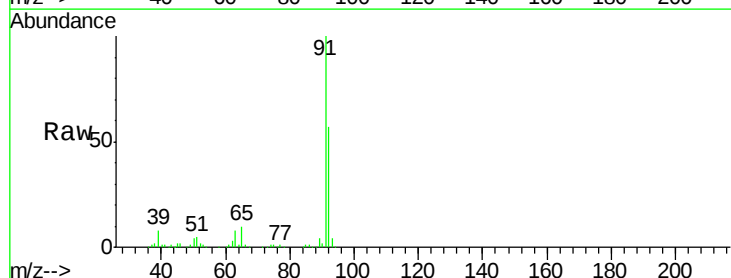
Acq: 24 Dec 2019 13:03

Tgt Ion: 92 Resp: 225878

Ion Ratio Lower Upper

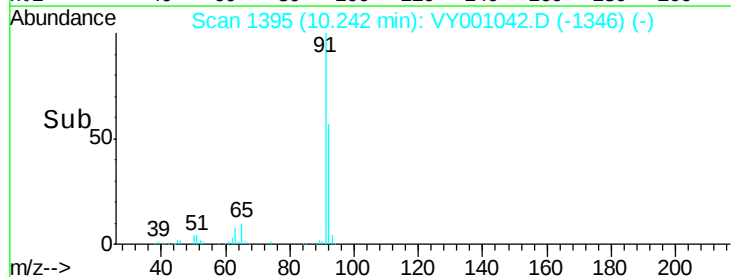
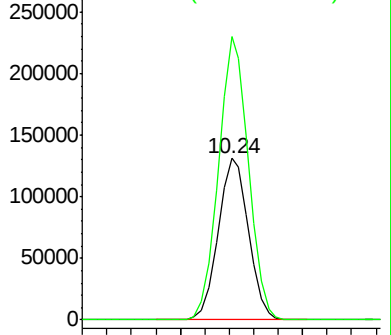
92 100

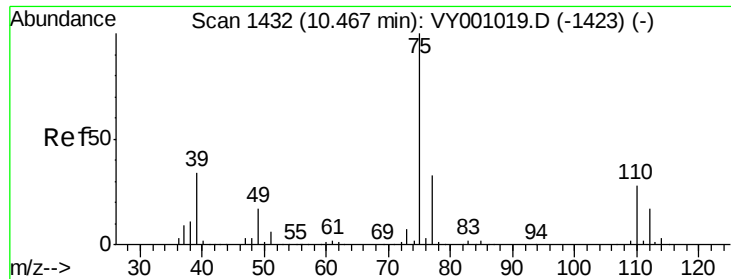
91 172.3 135.7 203.5



Abundance Ion 92.00 (91.70 to 92.70): VY0

Ion 91.00 (90.70 to 91.70): VY0





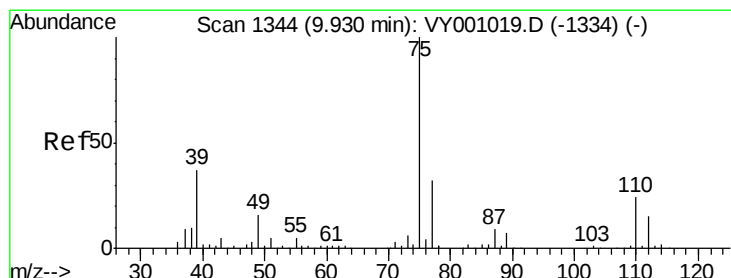
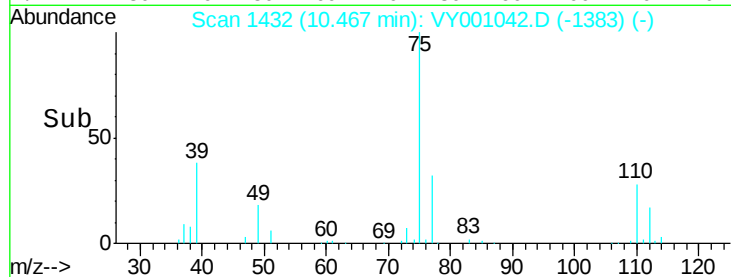
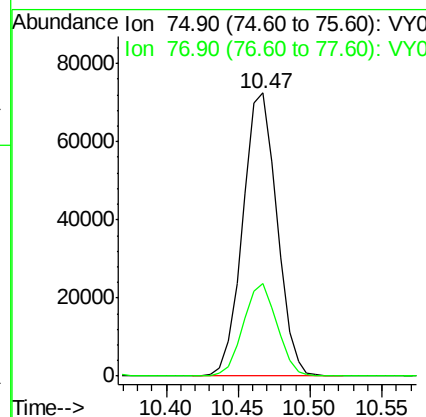
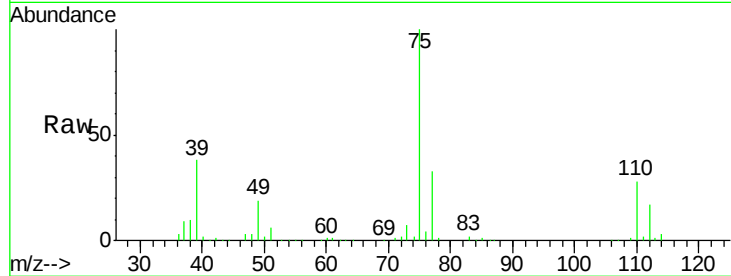
#53
t-1,3-Dichloropropene
Concen: 49.032 ug/l
RT: 10.47 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VY001042.D
Acq: 24 Dec 2019 13:03

Instrument :
MSVOA_Y
ClientSampleId :
SB-2-(4-5)MSD

Tot Ion: 75 Resp: 119104
Ion Ratio Lower Upper
75 100
77 32.5 26.5 39.7

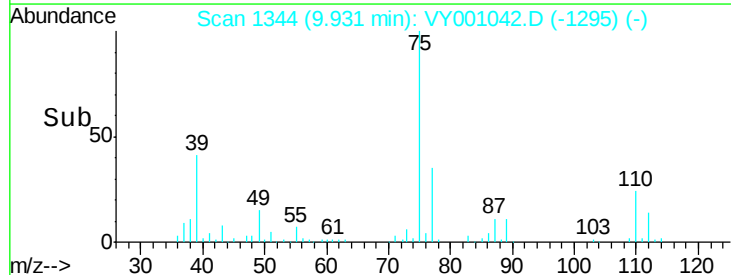
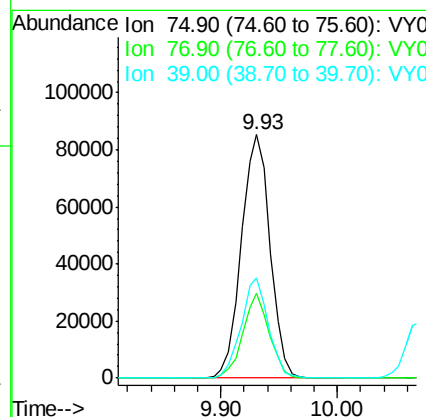
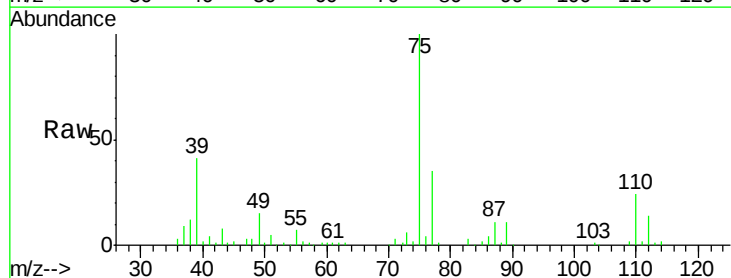
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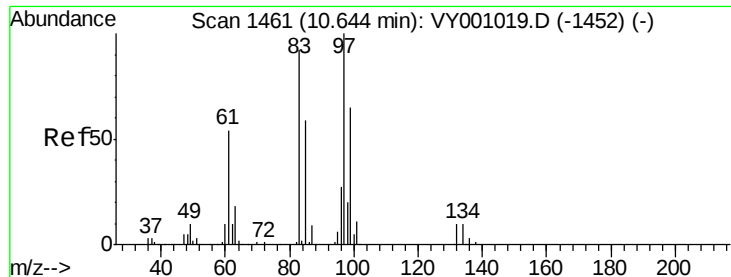
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#54
cis-1,3-Dichloropropene
Concen: 50.176 ug/l
RT: 9.93 min Scan# 1344
Delta R.T. 0.00 min
Lab File: VY001042.D
Acq: 24 Dec 2019 13:03

Tgt Ion: 75 Resp: 146558
Ion Ratio Lower Upper
75 100
77 35.1 25.2 37.8
39 41.2 29.5 44.3





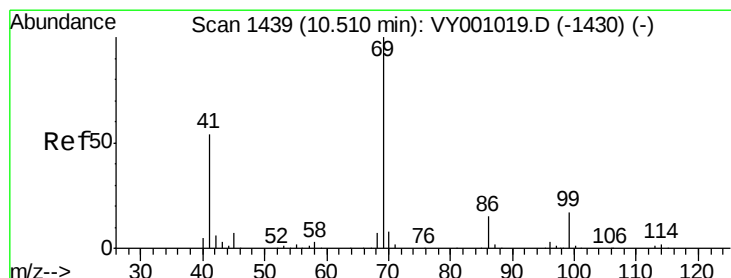
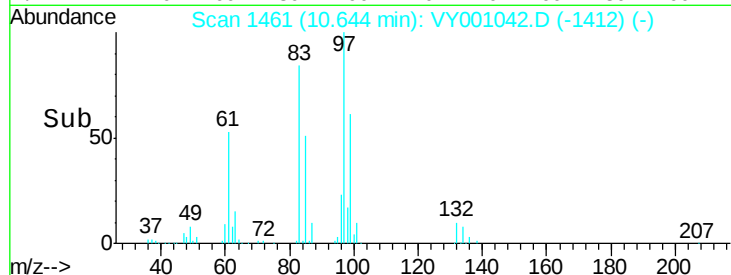
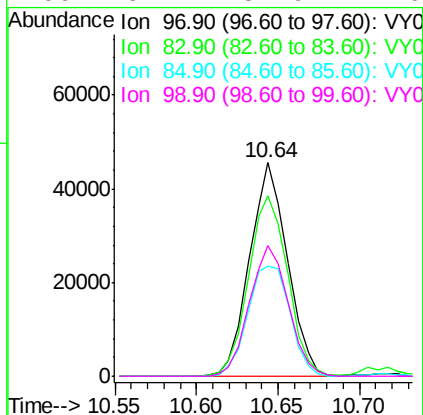
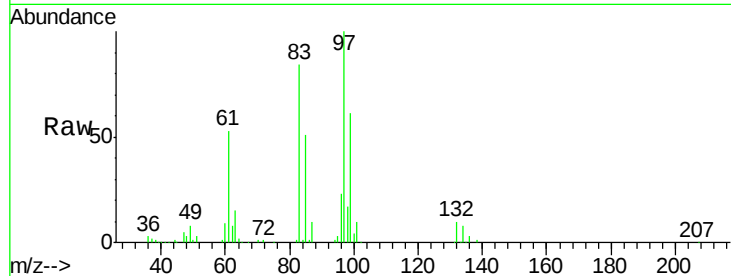
#55
 1,1,2-Trichloroethane
 Concen: 50.870 ug/l
 RT: 10.64 min Scan# 1461
 Delta R.T. 0.00 min
 Lab File: VY001042.D
 Acq: 24 Dec 2019 13:03

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-2-(4-5)MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		73381		
83	84.3	73.7	110.5		
85	51.4	47.3	70.9		
99	61.1	51.9	77.9		

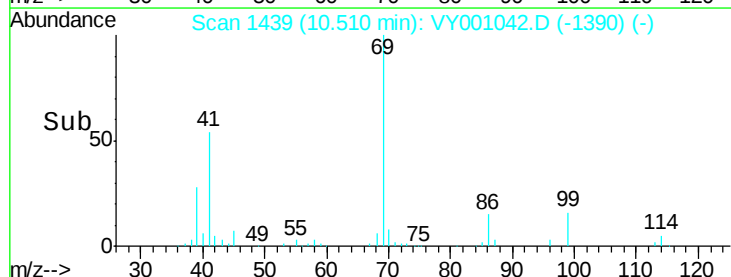
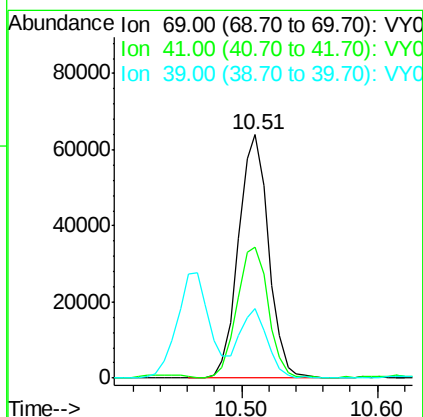
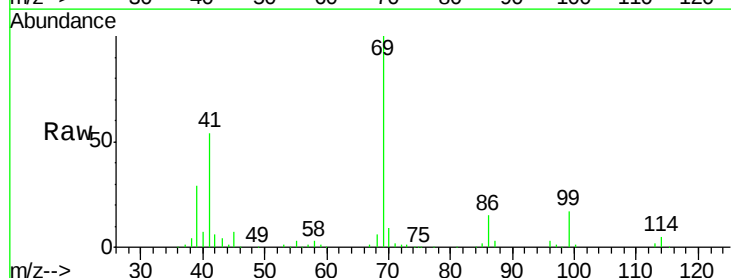
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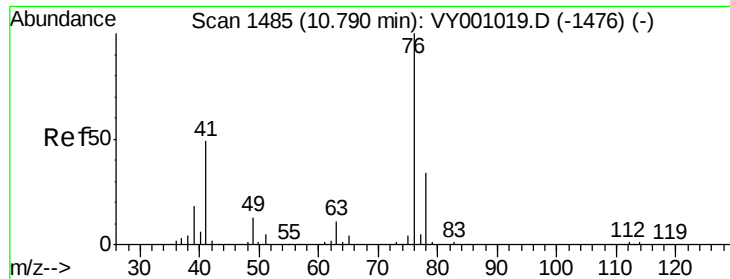
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#56
 Ethyl methacrylate
 Concen: 48.016 ug/l
 RT: 10.51 min Scan# 1439
 Delta R.T. 0.00 min
 Lab File: VY001042.D
 Acq: 24 Dec 2019 13:03

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		98578		
41	56.1	44.7	67.1		
39	27.9	22.2	33.4		





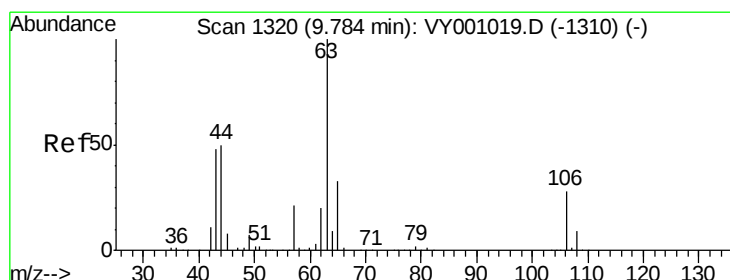
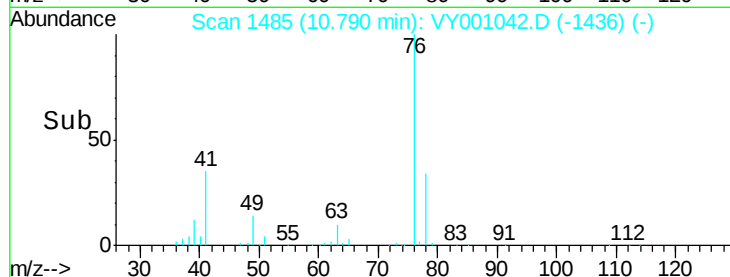
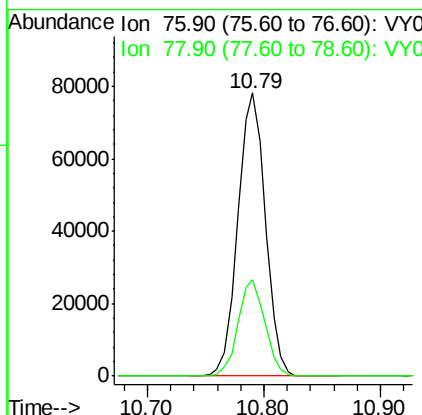
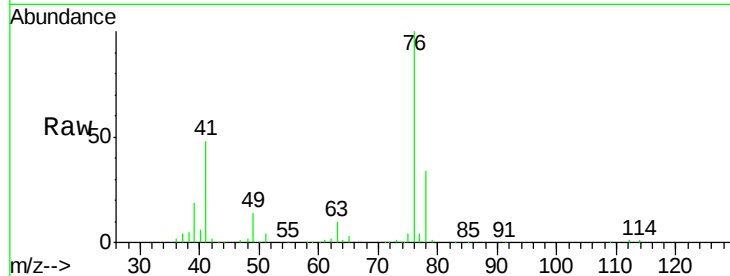
#57
 1,3-Dichloropropane
 Concen: 50.908 ug/l
 RT: 10.79 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VY001042.D
 Acq: 24 Dec 2019 13:03

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-2-(4-5)MSD

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.2	25.8	38.8

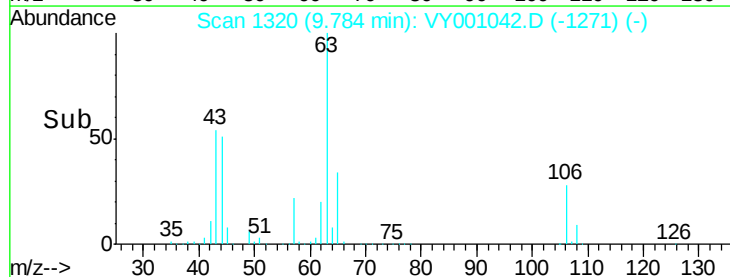
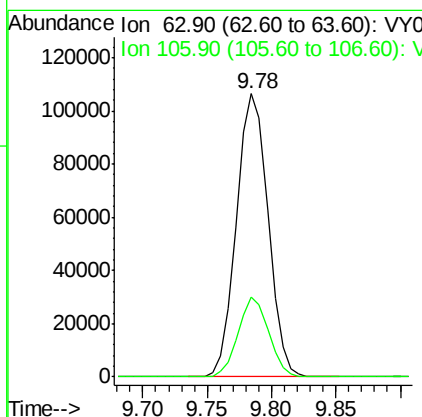
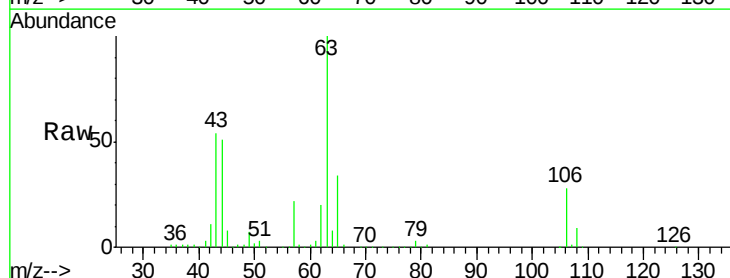
Manual Integrations
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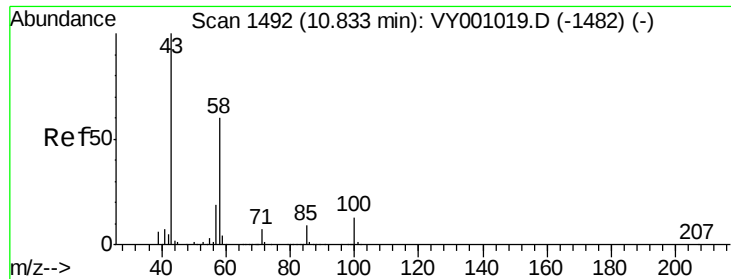
apatel
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#58
 2-Chloroethyl Vinyl ether
 Concen: 228.807 ug/l
 RT: 9.78 min Scan# 1320
 Delta R.T. 0.00 min
 Lab File: VY001042.D
 Acq: 24 Dec 2019 13:03

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.3	22.7	34.1





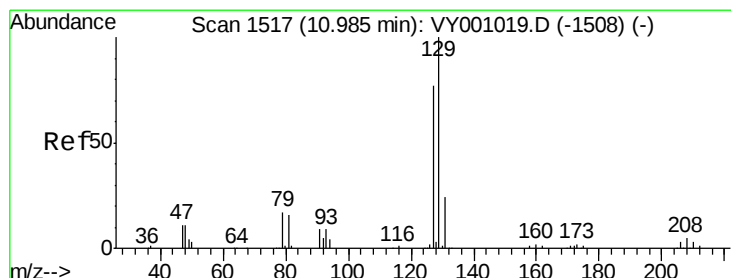
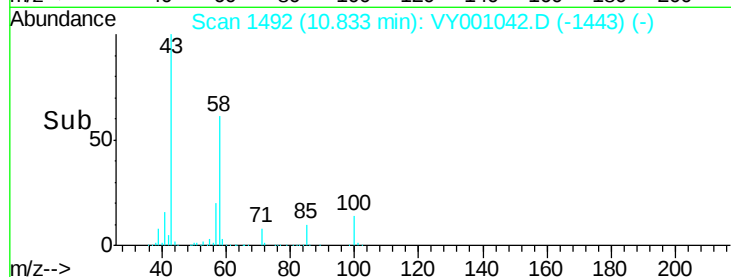
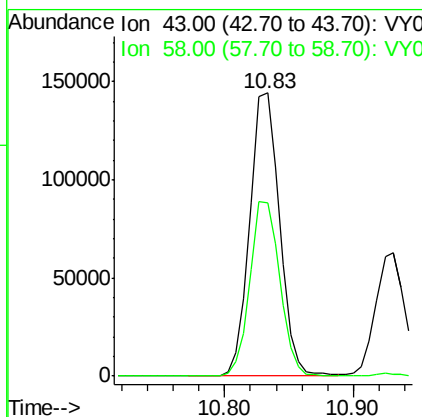
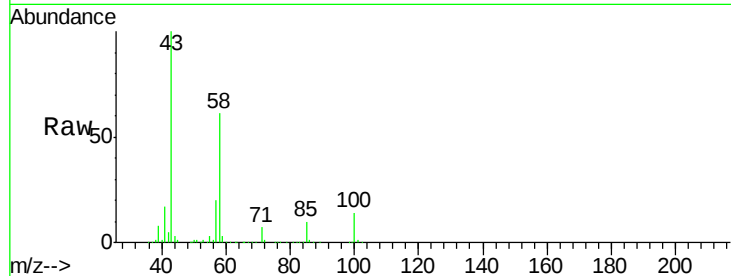
#59
2-Hexanone
Concen: 250.842 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VY001042.D
Acq: 24 Dec 2019 13:03

Instrument :
MSVOA_Y
ClientSampleId :
SB-2-(4-5)MSD

Tot Ion	43	Resp	229662
Ion Ratio	43	100	
Lower	58	61.9	30.6
Upper			91.6

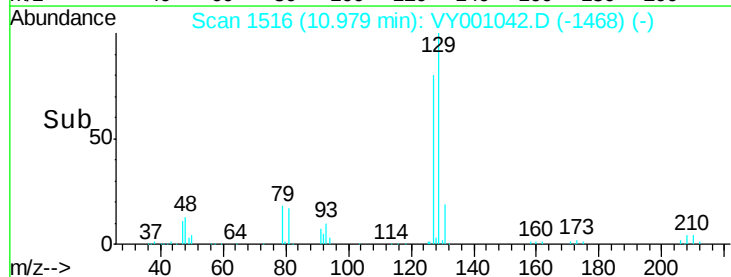
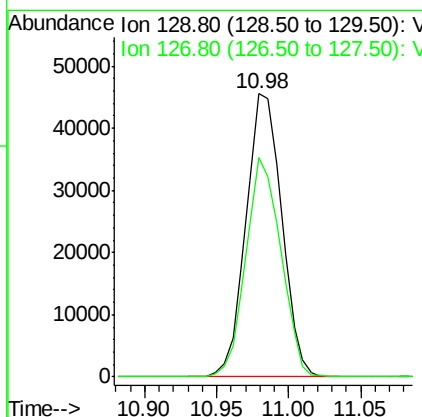
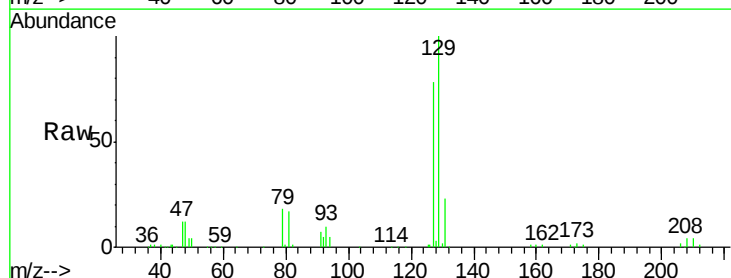
Manual Integrations
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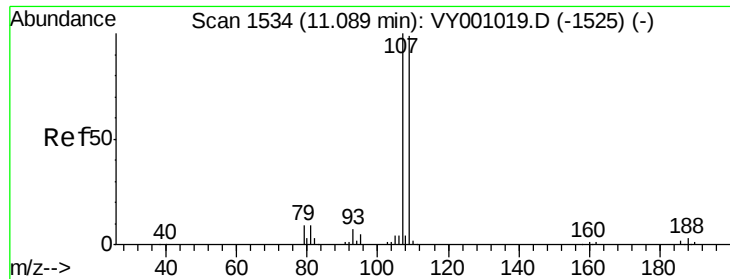
apatel
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#60
Dibromochloromethane
Concen: 50.811 ug/l
RT: 10.98 min Scan# 1516
Delta R.T. -0.01 min
Lab File: VY001042.D
Acq: 24 Dec 2019 13:03

Tgt Ion	129	Resp	78293
Ion Ratio	129	100	
Lower	127	75.7	39.1
Upper			117.3





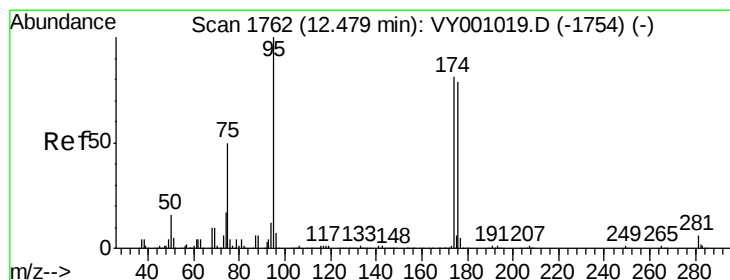
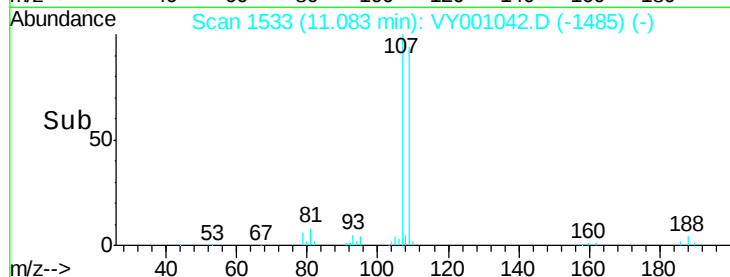
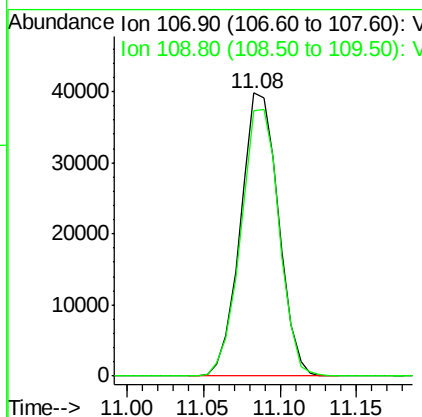
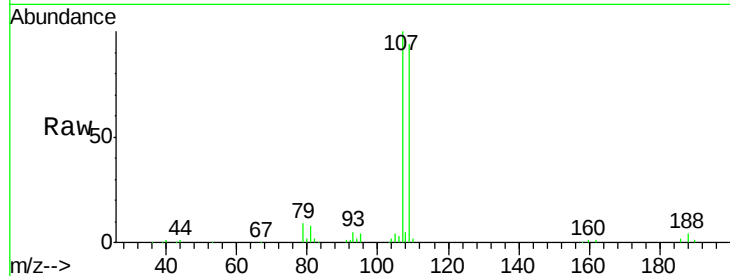
#61
 1,2-Dibromoethane
 Concen: 49.679 ug/l
 RT: 11.08 min Scan# 1533
 Delta R.T. -0.01 min
 Lab File: VY001042.D
 Acq: 24 Dec 2019 13:03

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-2-(4-5)MSD

Tot Ion: 107 Resp: 68528
 Ion Ratio Lower Upper
 107 100
 109 95.4 74.8 112.2

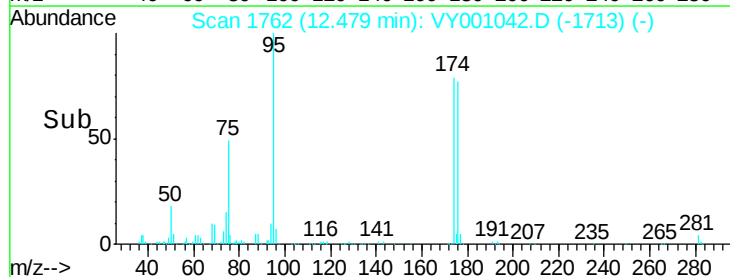
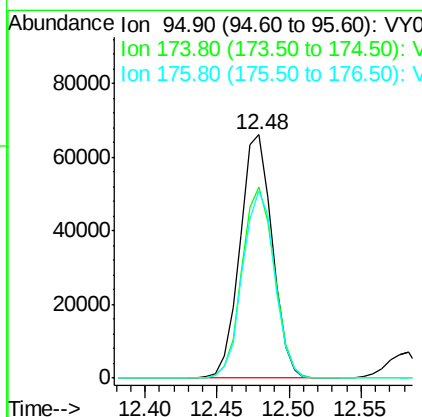
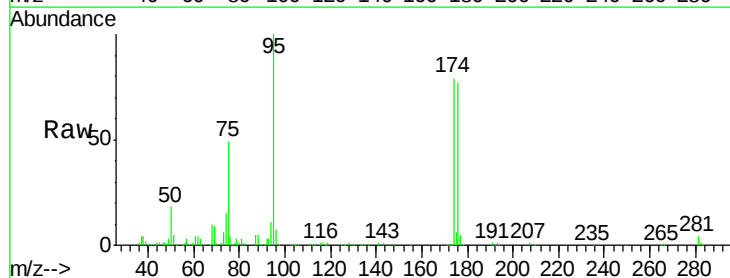
Manual Integrations
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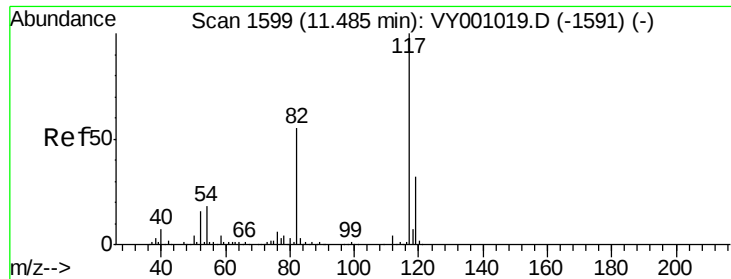
apatel
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#62
 4-Bromofluorobenzene
 Concen: 46.975 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. 0.00 min
 Lab File: VY001042.D
 Acq: 24 Dec 2019 13:03

Tgt Ion: 95 Resp: 102609
 Ion Ratio Lower Upper
 95 100
 174 79.0 0.0 156.4
 176 76.4 0.0 155.0





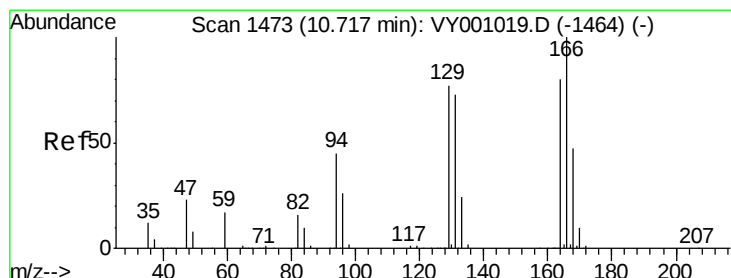
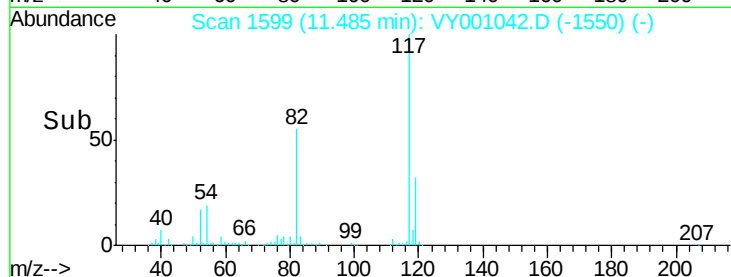
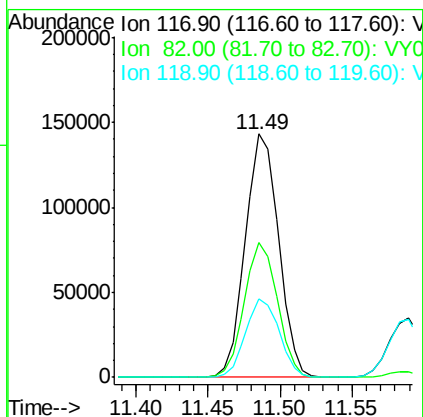
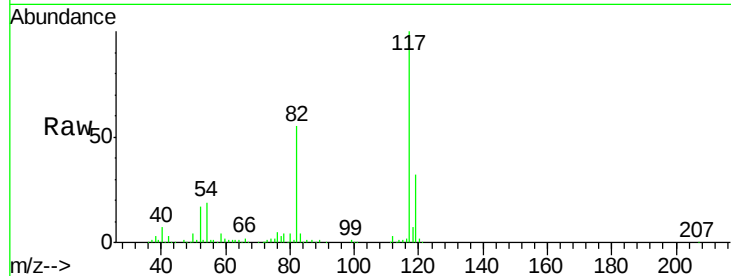
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VY001042.D
Acq: 24 Dec 2019 13:03

Instrument :
MSVOA_Y
ClientSampleId :
SB-2-(4-5)MSD

Tot Ion	Ratio	Resp	Lower	Upper
117	100	229508		
82	55.3		43.8	65.8
119	32.4		25.8	38.6

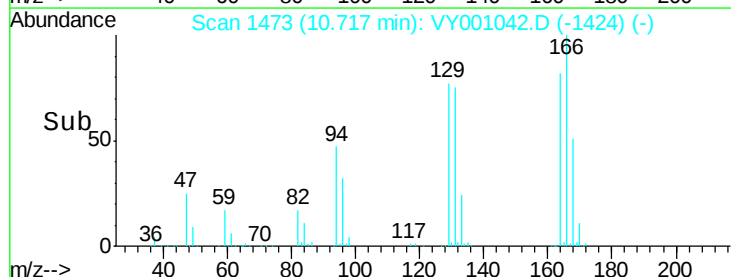
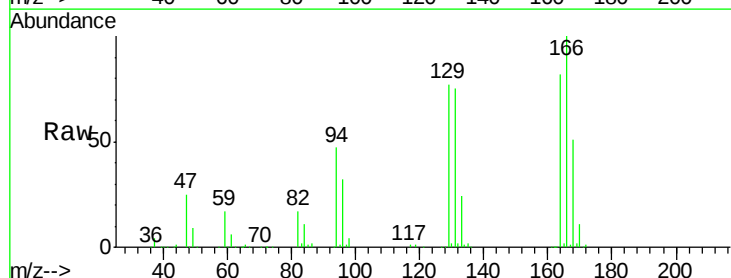
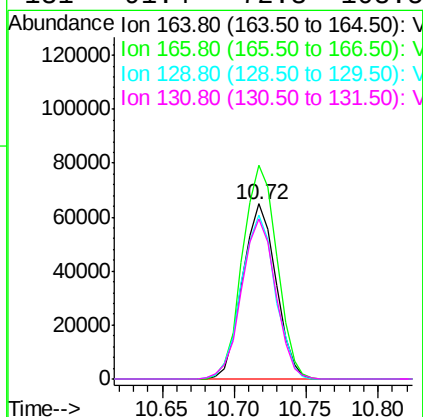
Manual Integrations
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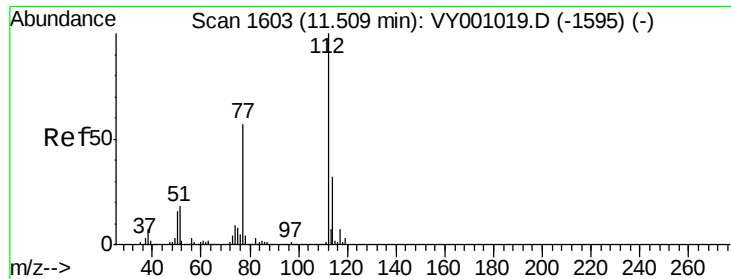
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#64
Tetrachloroethene
Concen: 52.760 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VY001042.D
Acq: 24 Dec 2019 13:03

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	104771		
166	122.2		99.7	149.5
129	93.5		76.9	115.3
131	91.4		72.3	108.5





#65

Chlorobenzene

Concen: 49.046 ug/l

RT: 11.51 min Scan# 1603

Delta R.T. 0.00 min

Lab File: VY001042.D

Acq: 24 Dec 2019 13:03

Instrument :

MSVOA_Y

ClientSampleId :

SB-2-(4-5)MSD

Tot Ion:112 Resp: 233496

Ion Ratio Lower Upper

112 100

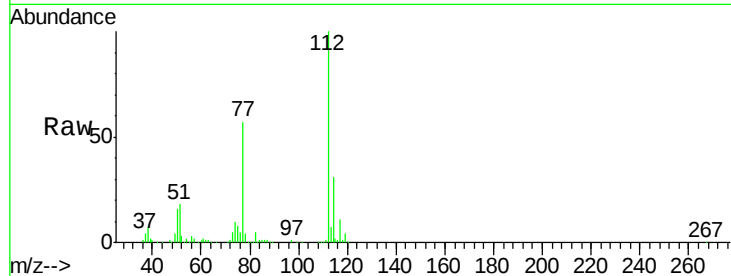
114 31.3 25.4 38.2

Manual Integrations

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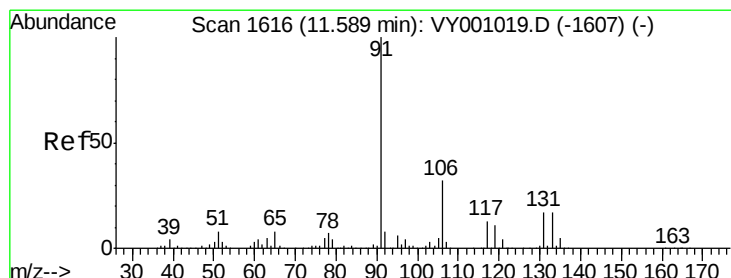
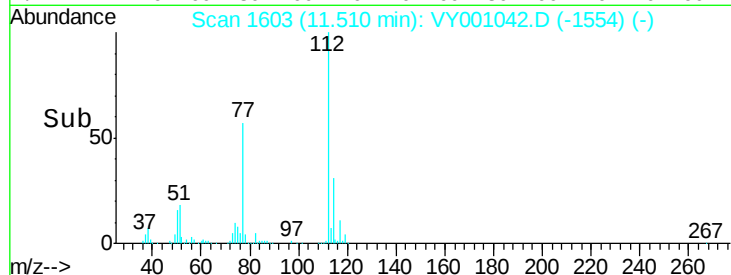
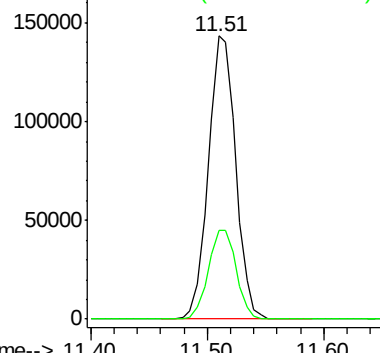
apatel

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 51.501 ug/l

RT: 11.59 min Scan# 1616

Delta R.T. 0.00 min

Lab File: VY001042.D

Acq: 24 Dec 2019 13:03

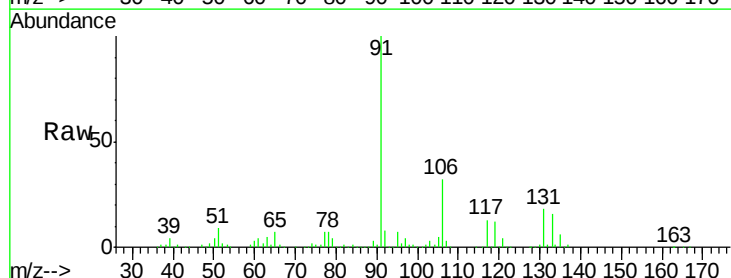
Tgt Ion:131 Resp: 80911

Ion Ratio Lower Upper

131 100

133 92.7 48.1 144.4

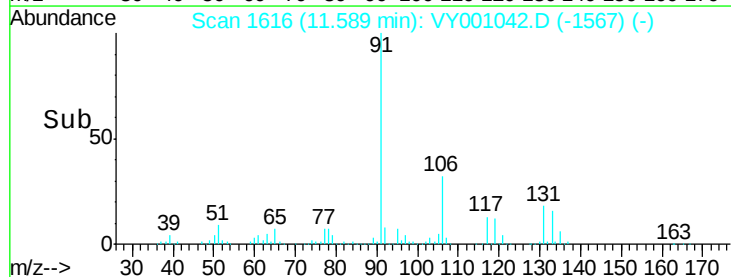
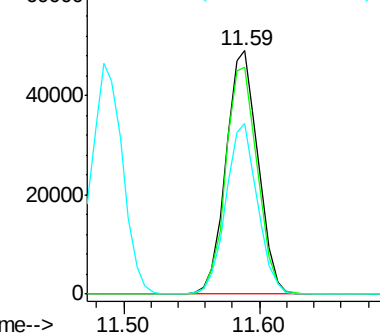
119 69.1 34.0 101.8

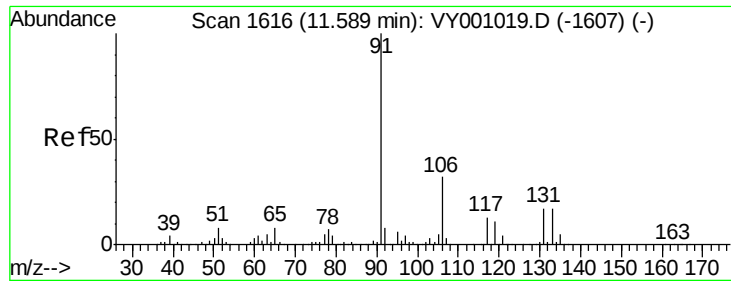


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





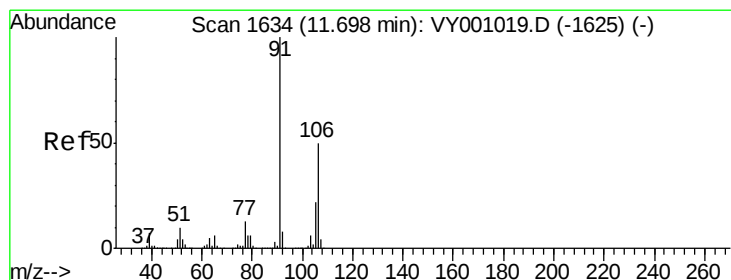
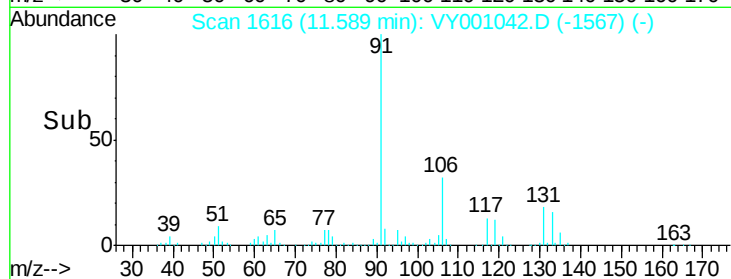
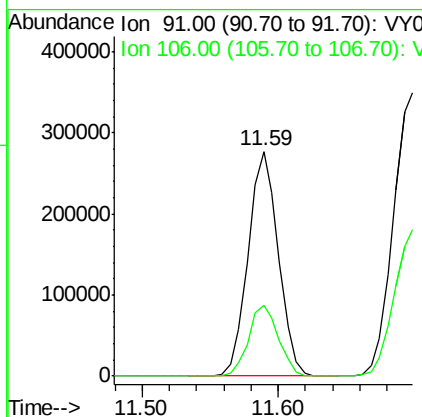
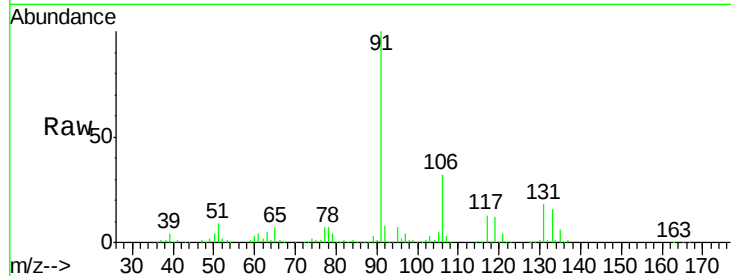
#67
Ethyl Benzene
Concen: 50.360 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. 0.00 min
Lab File: VY001042.D
Acq: 24 Dec 2019 13:03

Instrument :
MSVOA_Y
ClientSampleId :
SB-2-(4-5)MSD

Tot Ion	Ratio	Lower	Upper
91	100		
106	31.7	25.3	37.9

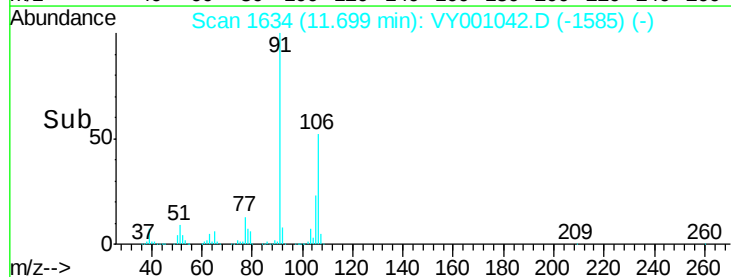
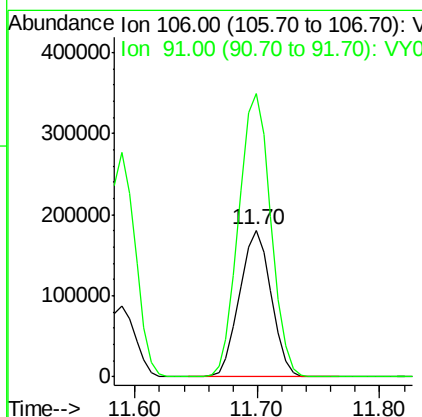
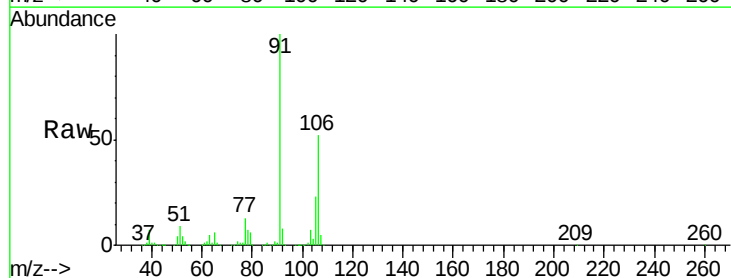
Manual Integrations
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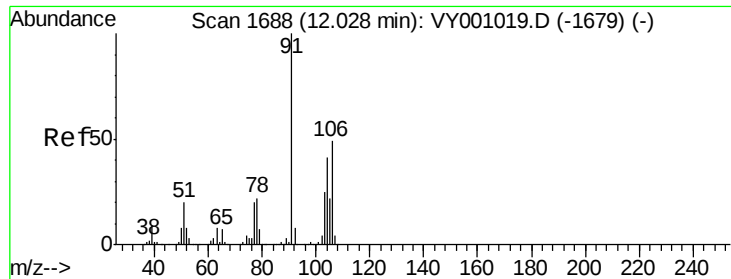
apatel
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#68
m/p-Xylenes
Concen: 99.819 ug/l
RT: 11.70 min Scan# 1634
Delta R.T. 0.00 min
Lab File: VY001042.D
Acq: 24 Dec 2019 13:03

Tgt Ion	Ratio	Lower	Upper
106	100		
91	195.8	156.4	234.6





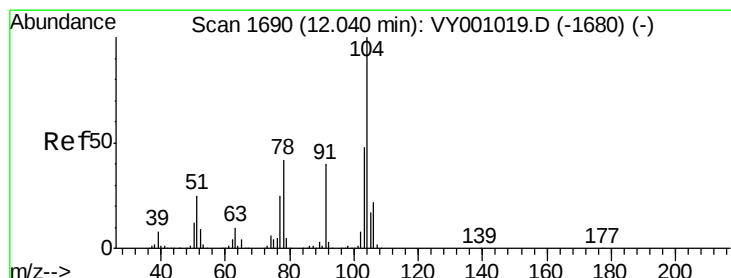
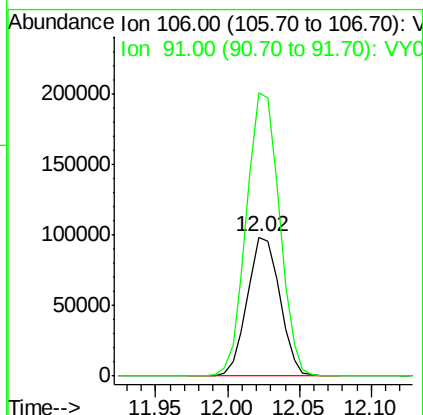
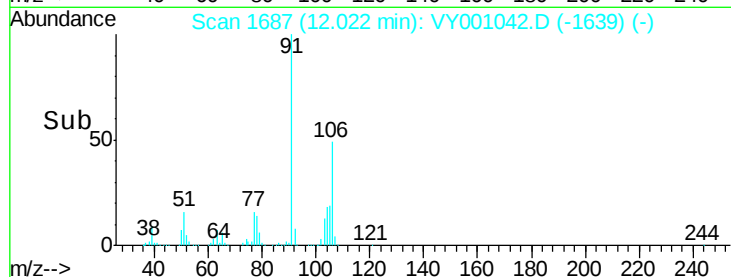
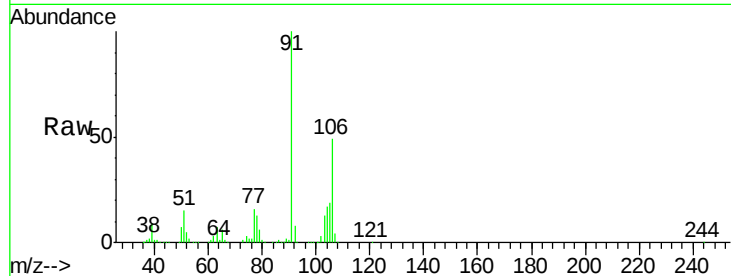
#69
o-Xylene
Concen: 50.465 ug/l
RT: 12.02 min Scan# 1687
Delta R.T. -0.01 min
Lab File: VY001042.D
Acq: 24 Dec 2019 13:03

Instrument :
MSVOA_Y
ClientSampleId :
SB-2-(4-5)MSD

Tot Ion:106 Resp: 154359
Ion Ratio Lower Upper
106 100
91 207.0 103.0 309.0

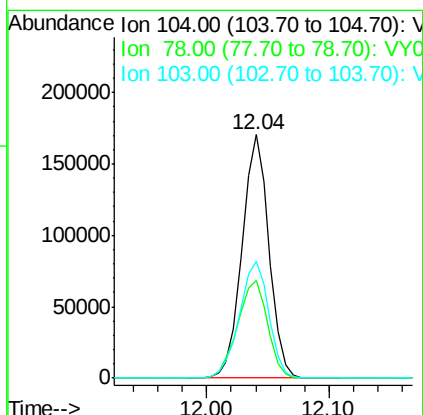
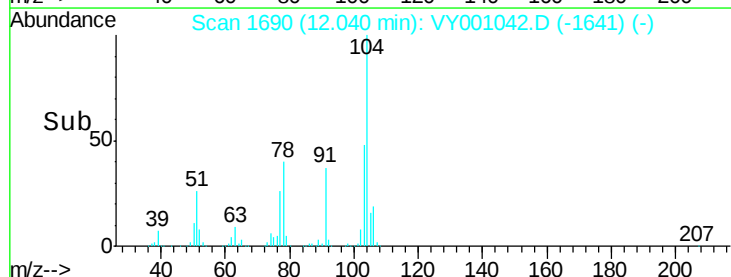
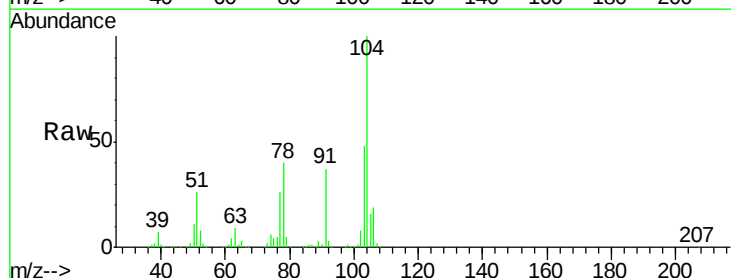
Manual Integrations
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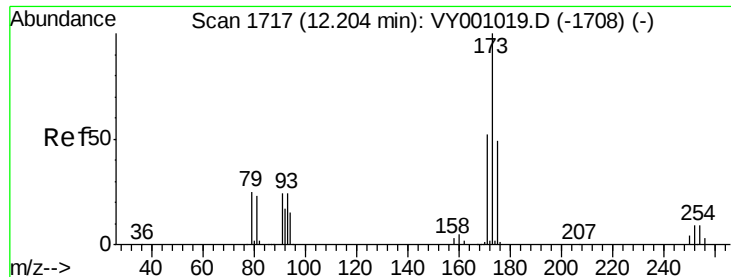
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#70
Styrene
Concen: 49.654 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VY001042.D
Acq: 24 Dec 2019 13:03

Tgt Ion:104 Resp: 258248
Ion Ratio Lower Upper
104 100
78 45.2 36.6 54.8
103 52.8 42.6 64.0





#71

Bromoform

Concen: 48.886 ug/l

RT: 12.20 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VY001042.D

Acq: 24 Dec 2019 13:03

Instrument :

MSVOA_Y

ClientSampleId :

SB-2-(4-5)MSD

Tot Ion:173 Resp: 42765

Ion Ratio Lower Upper

173 100

175 51.0 24.5 73.5

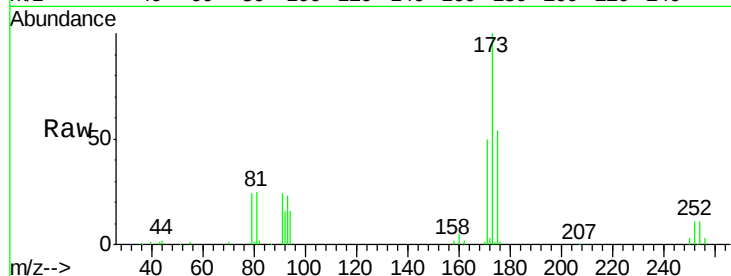
254 0.0 0.0 0.0

Manual Integrations

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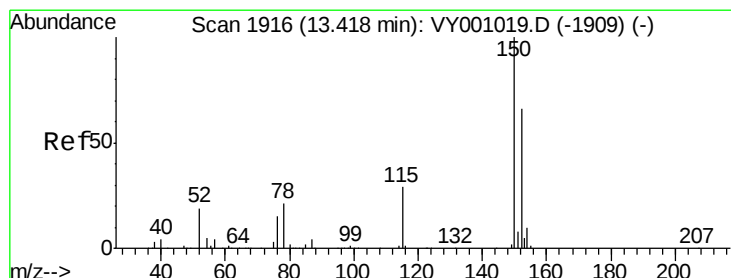
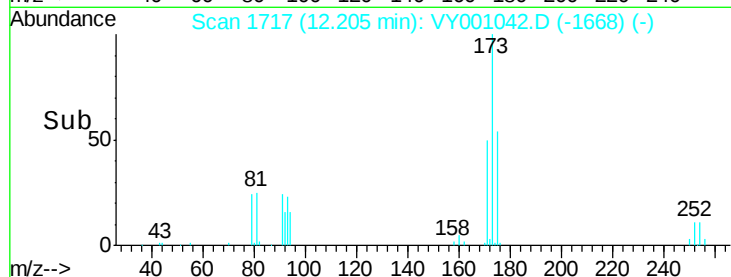
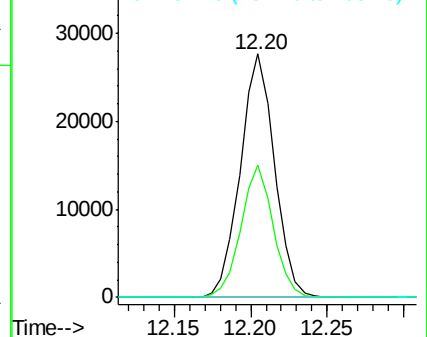
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1916

Delta R.T. 0.00 min

Lab File: VY001042.D

Acq: 24 Dec 2019 13:03

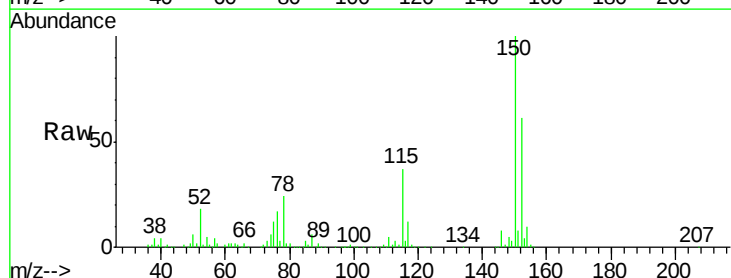
Tgt Ion:152 Resp: 105776

Ion Ratio Lower Upper

152 100

115 59.3 29.8 89.3

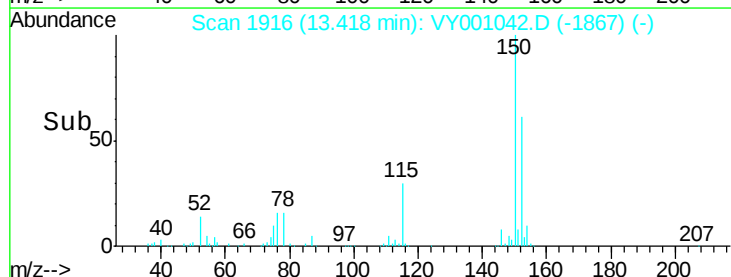
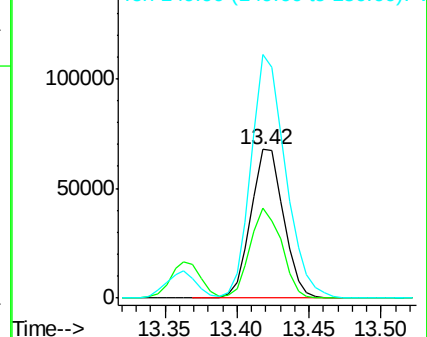
150 173.0 0.0 352.6

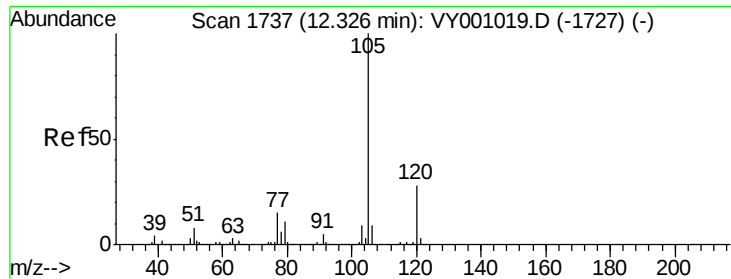


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





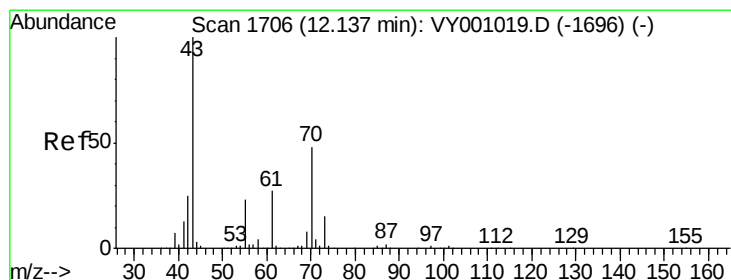
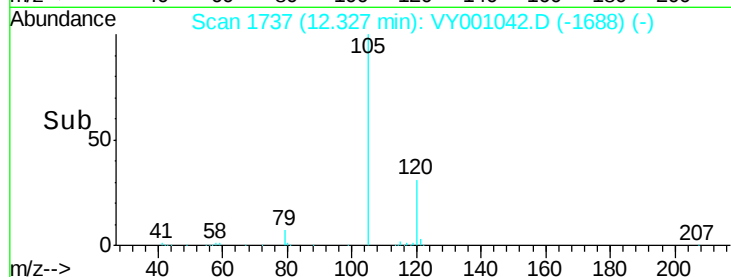
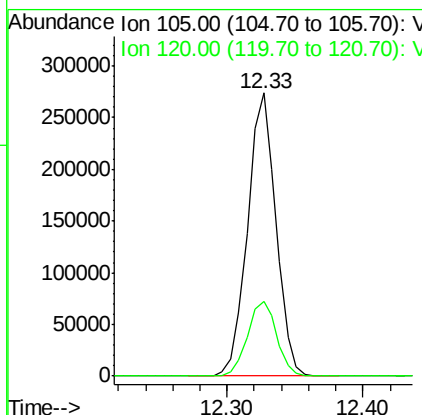
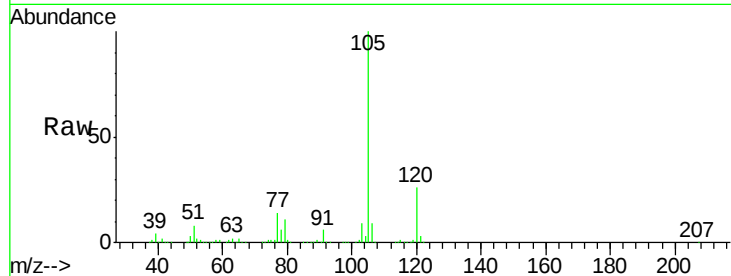
#73
Isopropylbenzene
Concen: 48.836 ug/l
RT: 12.33 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VY001042.D
Acq: 24 Dec 2019 13:03

Instrument :
MSVOA_Y
ClientSampleId :
SB-2-(4-5)MSD

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.1	13.4	40.2

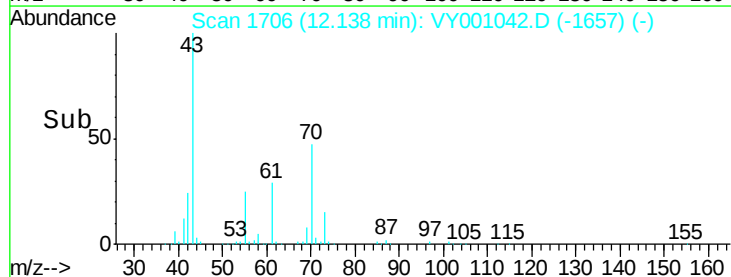
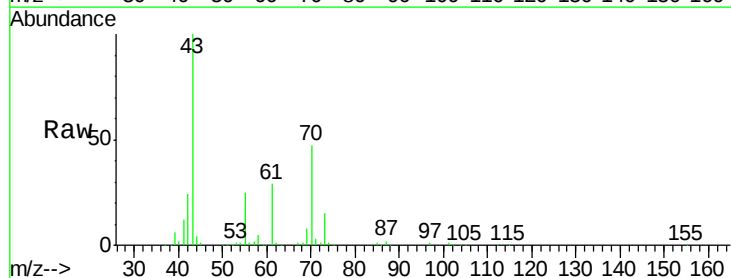
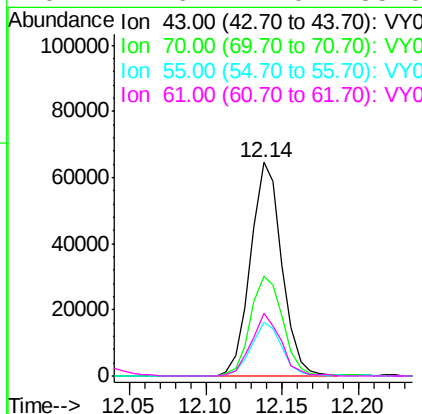
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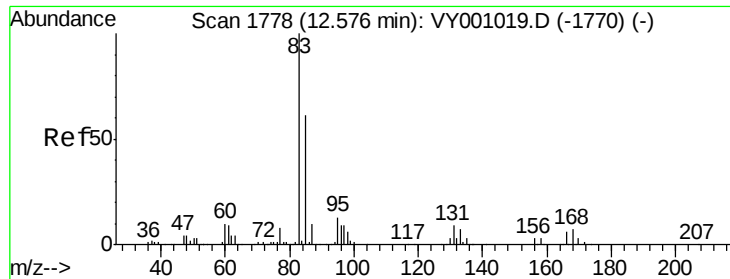
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#74
N-ethyl acetate
Concen: 42.840 ug/l
RT: 12.14 min Scan# 1706
Delta R.T. 0.00 min
Lab File: VY001042.D
Acq: 24 Dec 2019 13:03

Tgt Ion	Ratio	Lower	Upper
43	100		
70	48.8	39.0	58.6
55	24.6	19.5	29.3
61	27.6	22.0	33.0





#75

1,1,2,2-Tetrachloroethane

Concen: 48.922 ug/l

RT: 12.58 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VY001042.D

Acq: 24 Dec 2019 13:03

Instrument :

MSVOA_Y

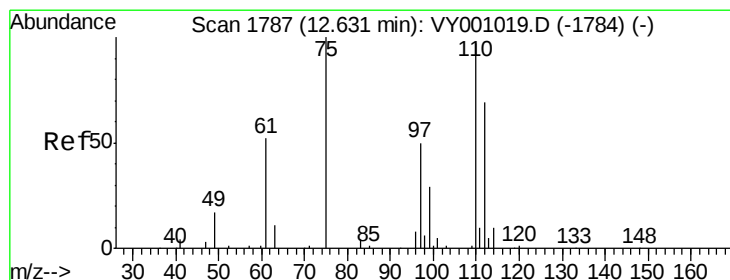
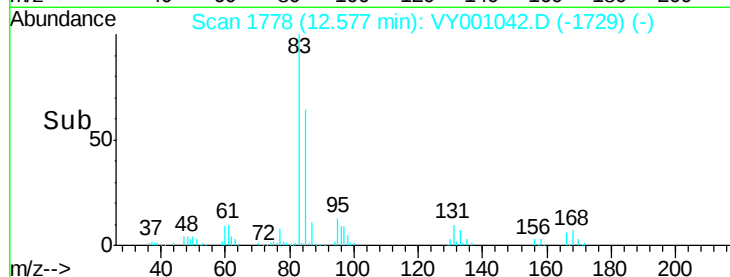
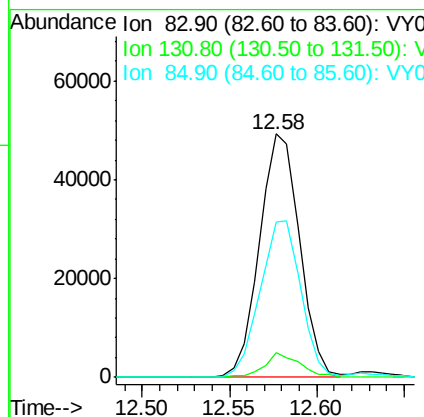
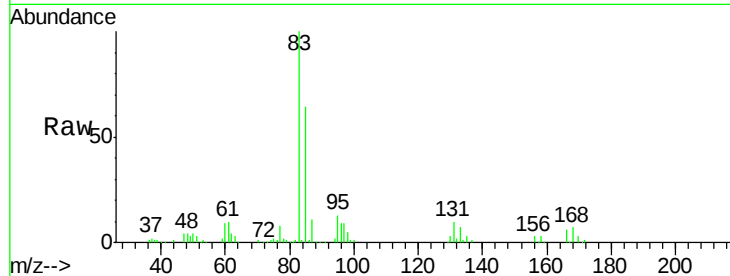
ClientSampleId :

SB-2-(4-5)MSD

Tot Ion:	83	Resp:	78889
Ion Ratio	Lower	Upper	
83	100		
131	9.0	5.1	15.3
85	65.0	32.1	96.5

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#76

1,2,3-Trichloropropane

Concen: 50.689 ug/l m

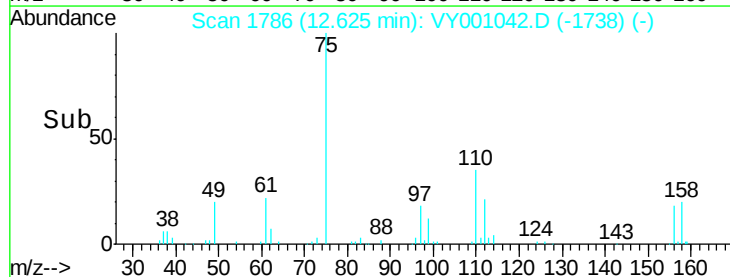
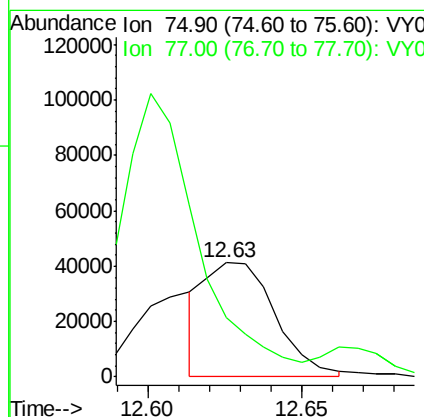
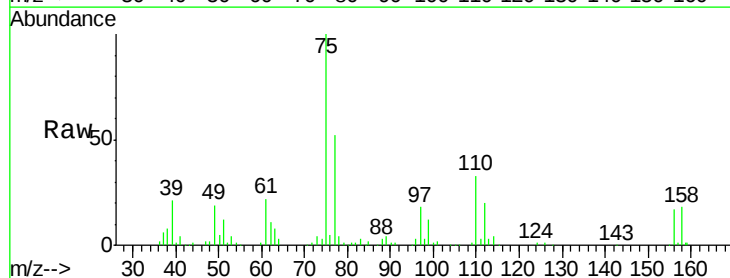
RT: 12.63 min Scan# 1786

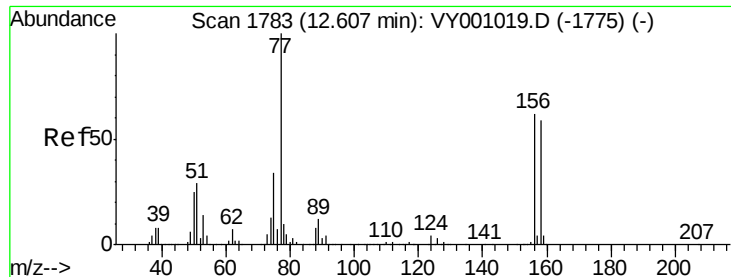
Delta R.T. -0.01 min

Lab File: VY001042.D

Acq: 24 Dec 2019 13:03

Tgt Ion:	75	Resp:	66099
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 49.278 ug/l

RT: 12.60 min Scan# 1782

Delta R.T. -0.01 min

Lab File: VY001042.D

Acq: 24 Dec 2019 13:03

Instrument :

MSVOA_Y

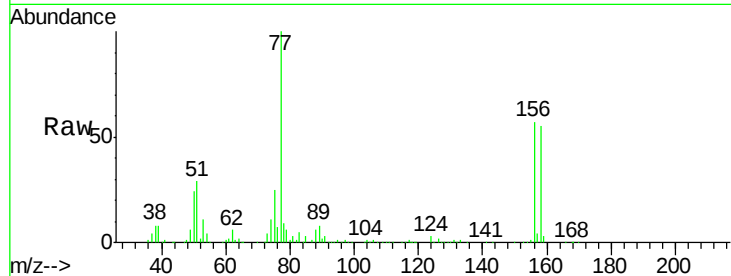
ClientSampleId :

SB-2-(4-5)MSD

Tot Ion	Ratio	Lower	Upper
156	100		
77	199.8	98.0	294.1
158	95.9	48.5	145.6

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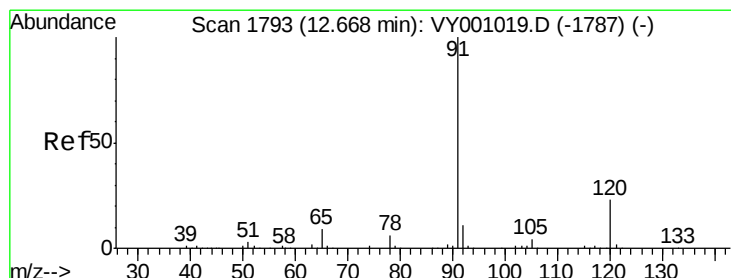
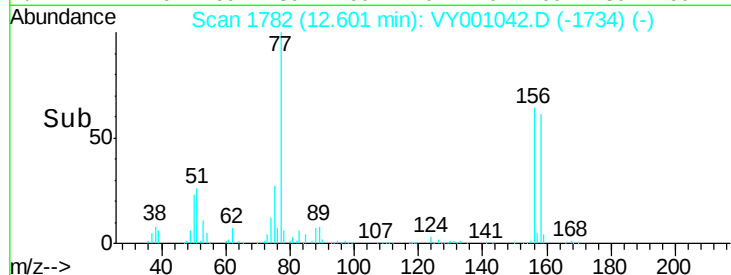
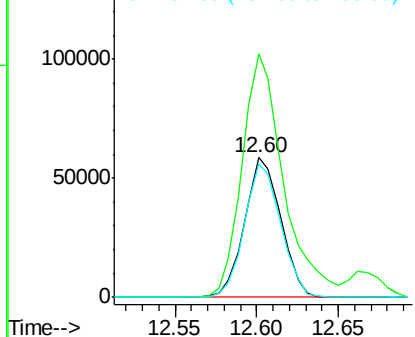
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 49.030 ug/l

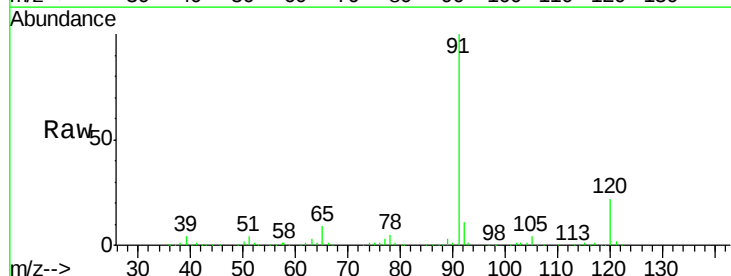
RT: 12.67 min Scan# 1793

Delta R.T. 0.00 min

Lab File: VY001042.D

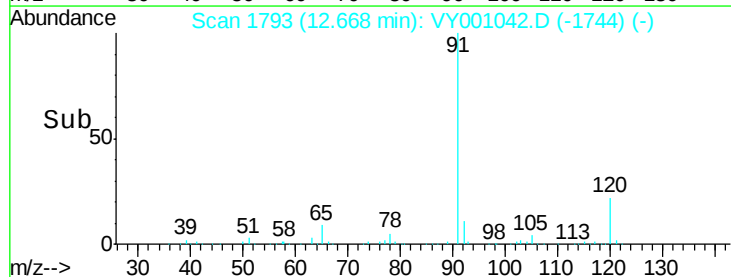
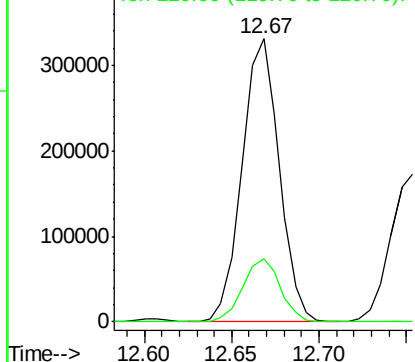
Acq: 24 Dec 2019 13:03

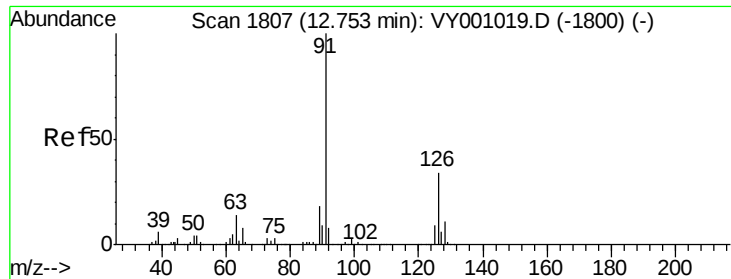
Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.4	11.4	34.2



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 48.869 ug/l

RT: 12.75 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VY001042.D

Acq: 24 Dec 2019 13:03

Instrument :

MSVOA_Y

ClientSampleId :

SB-2-(4-5)MSD

Tot Ion: 91 Resp: 269175

Ion Ratio Lower Upper

91 100

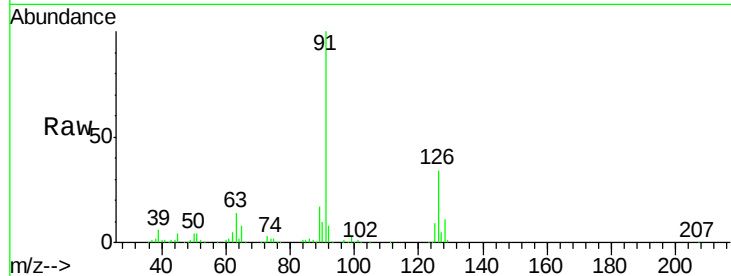
126 34.2 17.3 51.7

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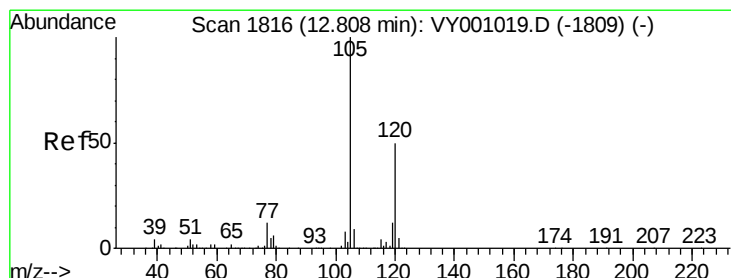
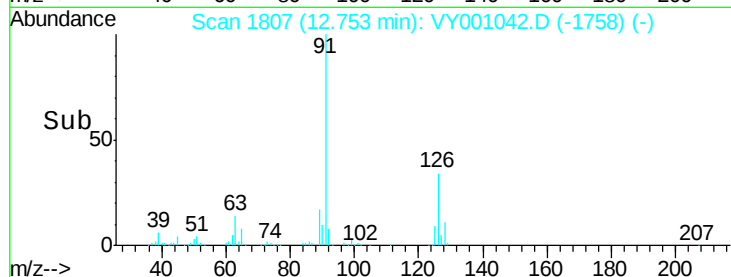
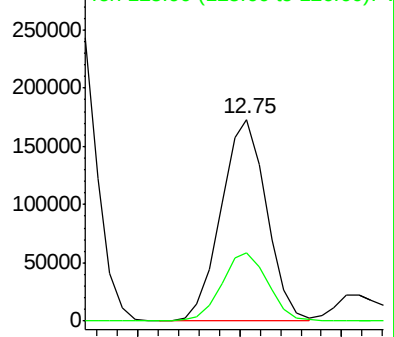
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Abundance Ion 91.00 (90.70 to 91.70): VY001019.D (-1800) (-)



#80

1,3,5-Trimethylbenzene

Concen: 49.578 ug/l

RT: 12.81 min Scan# 1816

Delta R.T. 0.00 min

Lab File: VY001042.D

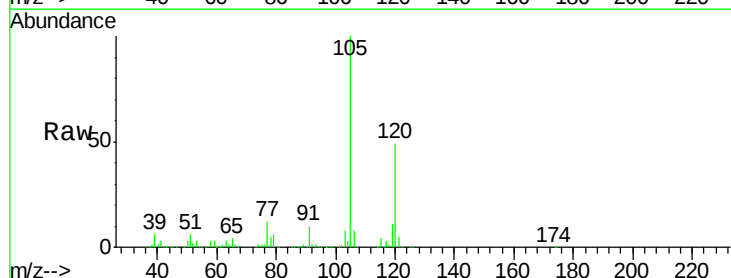
Acq: 24 Dec 2019 13:03

Tgt Ion: 105 Resp: 332649

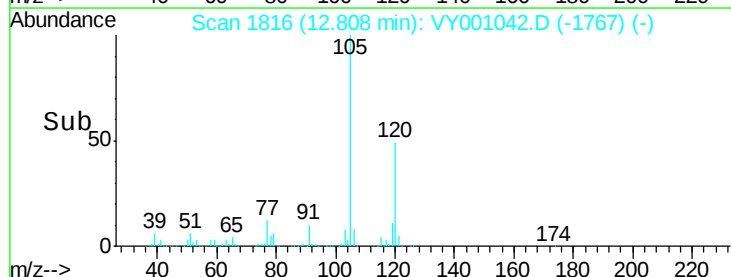
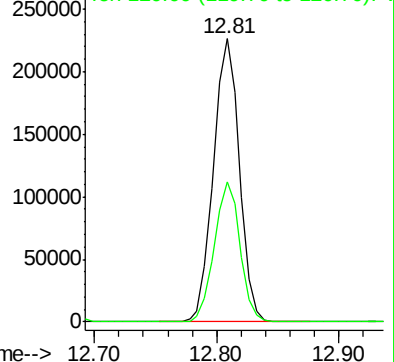
Ion Ratio Lower Upper

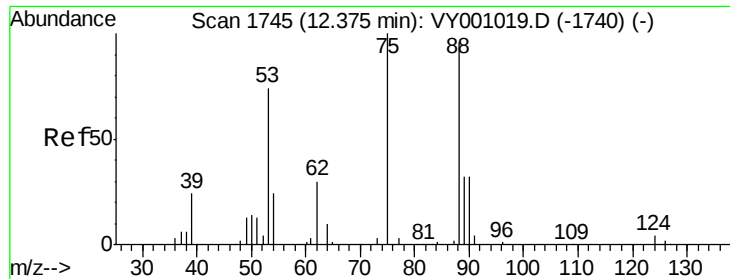
105 100

120 49.0 25.1 75.4



Abundance Ion 105.00 (104.70 to 105.70): VY001019.D (-1809) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 46.419 ug/l

RT: 12.38 min Scan# 1745

Delta R.T. 0.00 min

Lab File: VY001042.D

Acq: 24 Dec 2019 13:03

Instrument :

MSVOA_Y

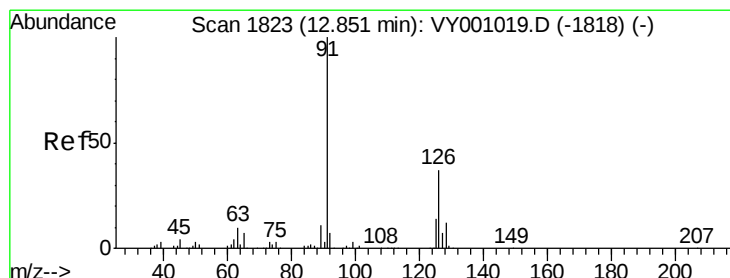
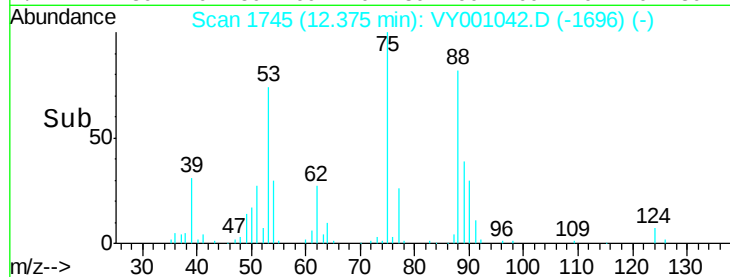
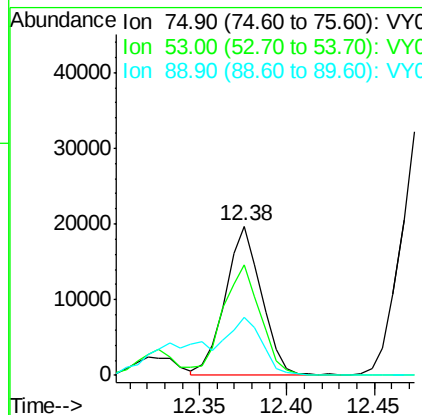
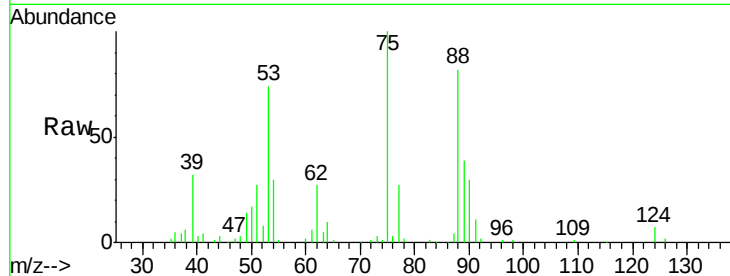
ClientSampleId :

SB-2-(4-5)MSD

Tot Ion:	75	Resp:	28381
Ion Ratio	Lower	Upper	
75	100		
53	76.1	60.6	91.0
89	75.3	35.4	53.0#

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#82

4-Chlorotoluene

Concen: 49.143 ug/l

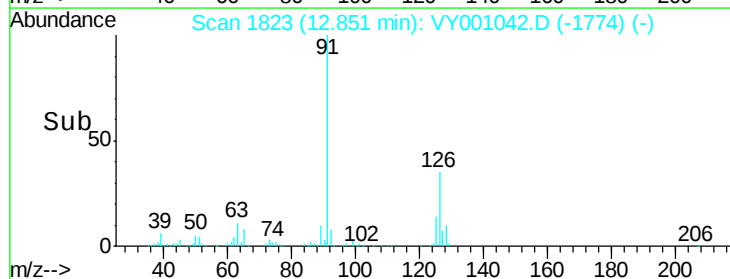
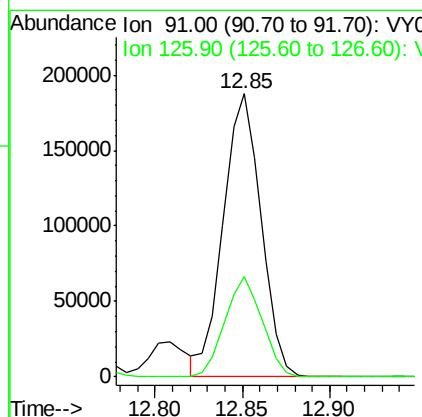
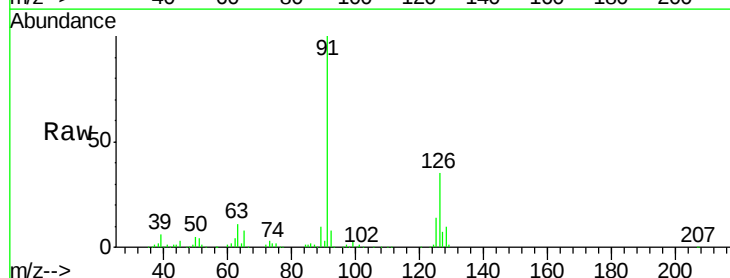
RT: 12.85 min Scan# 1823

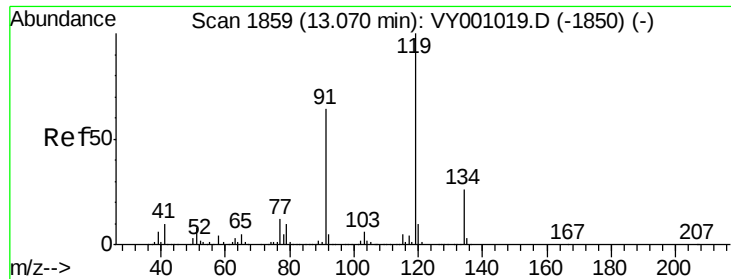
Delta R.T. 0.00 min

Lab File: VY001042.D

Acq: 24 Dec 2019 13:03

Tgt Ion:	91	Resp:	281150
Ion Ratio	Lower	Upper	
91	100		
126	35.0	17.6	52.8





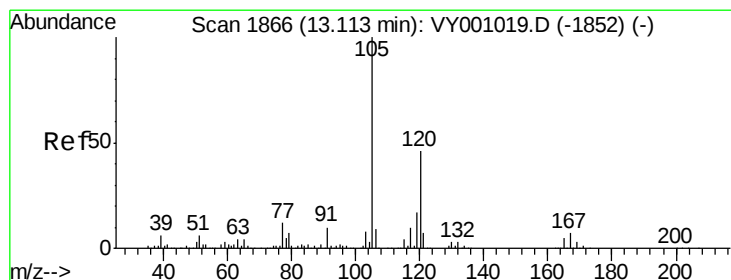
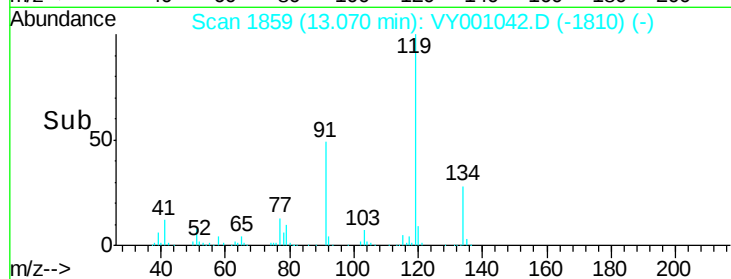
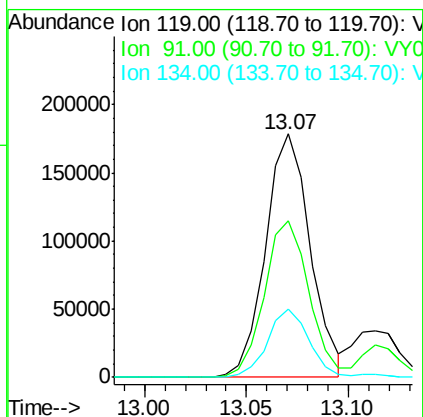
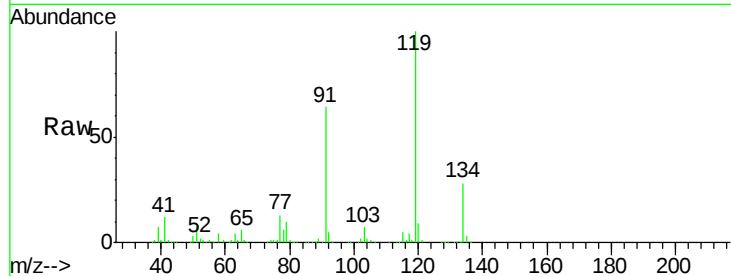
#83
tert-Butylbenzene
Concen: 48.471 ug/l
RT: 13.07 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VY001042.D
Acq: 24 Dec 2019 13:03

Instrument :
MSVOA_Y
ClientSampleId :
SB-2-(4-5)MSD

Tot Ion	Ratio	Resp	Lower	Upper
119	100	272999		
91	64.7		31.9	95.7
134	26.8		13.6	40.7

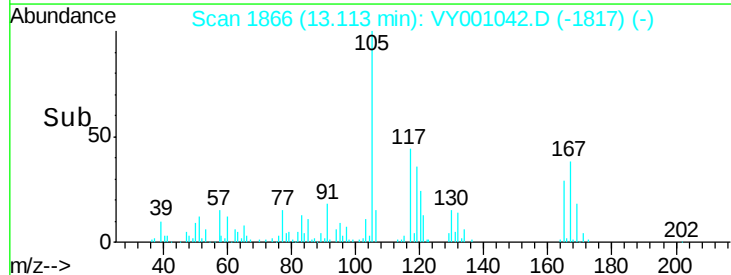
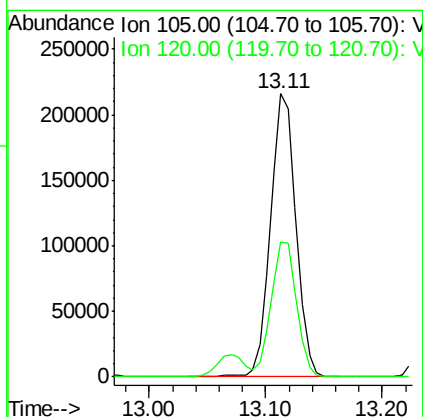
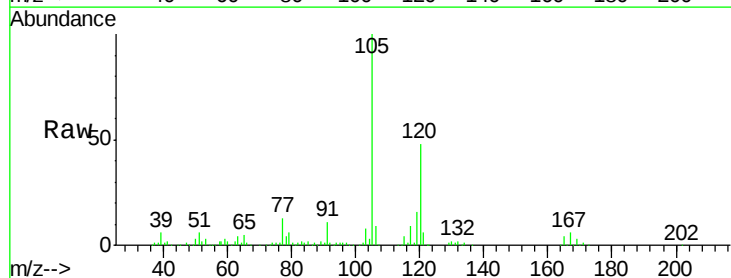
Manual Integrations
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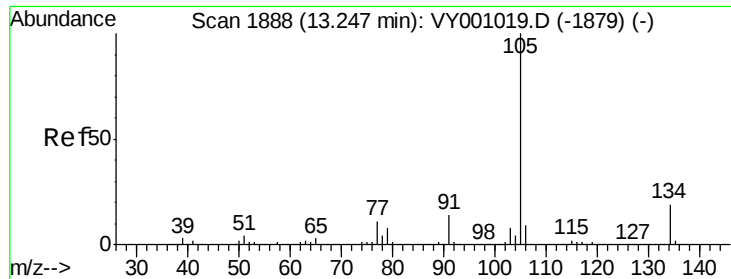
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#84
1,2,4-Trimethylbenzene
Concen: 48.524 ug/l
RT: 13.11 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VY001042.D
Acq: 24 Dec 2019 13:03

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	327167		
120	47.8		23.4	70.2





#85

sec-Butylbenzene

Concen: 47.999 ug/l

RT: 13.25 min Scan# 1888

Delta R.T. 0.00 min

Lab File: VY001042.D

Acq: 24 Dec 2019 13:03

Instrument :

MSVOA_Y

ClientSampleId :

SB-2-(4-5)MSD

Tot Ion:105 Resp: 398545

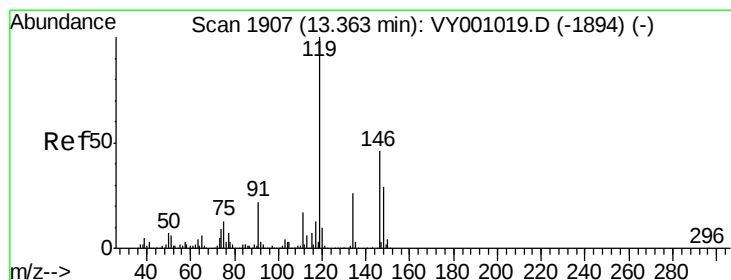
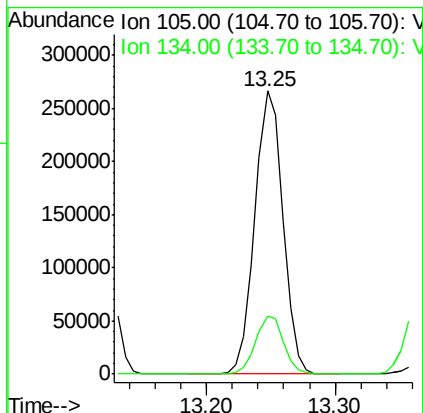
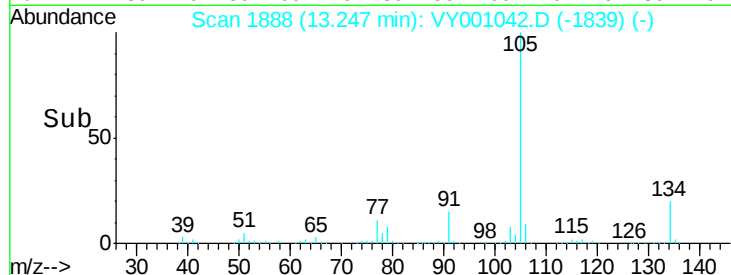
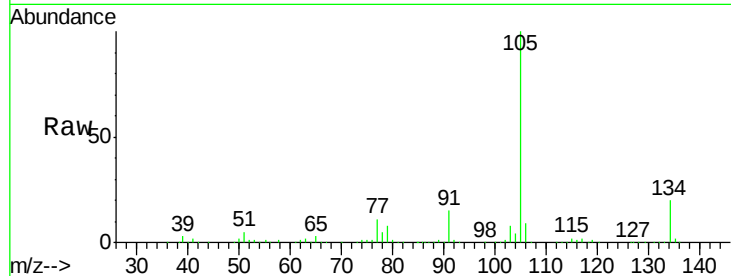
Ion Ratio Lower Upper

105 100

134 20.3 10.0 30.0

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#86

p-Isopropyltoluene

Concen: 48.892 ug/l

RT: 13.36 min Scan# 1907

Delta R.T. 0.00 min

Lab File: VY001042.D

Acq: 24 Dec 2019 13:03

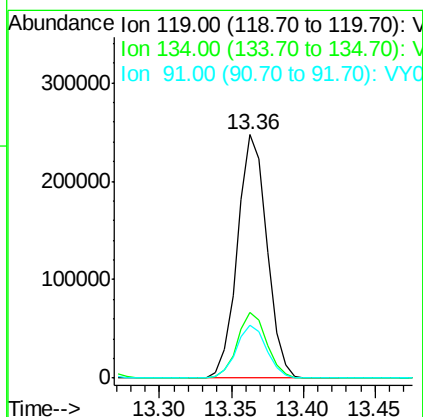
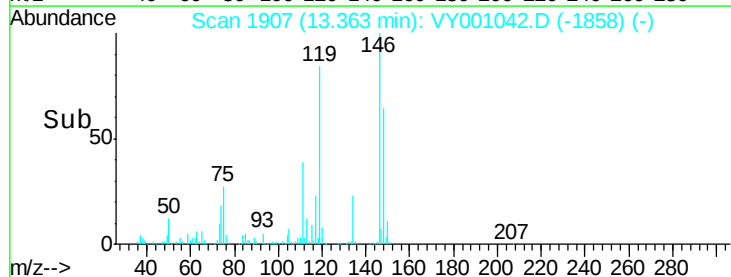
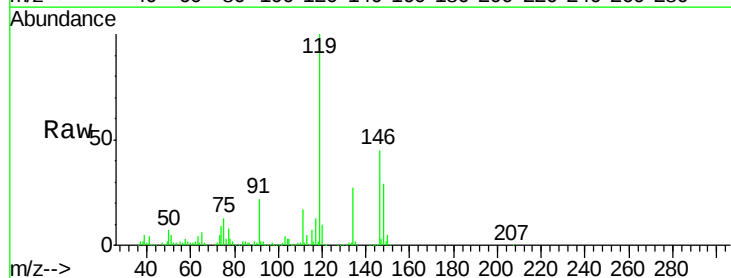
Tgt Ion:119 Resp: 351274

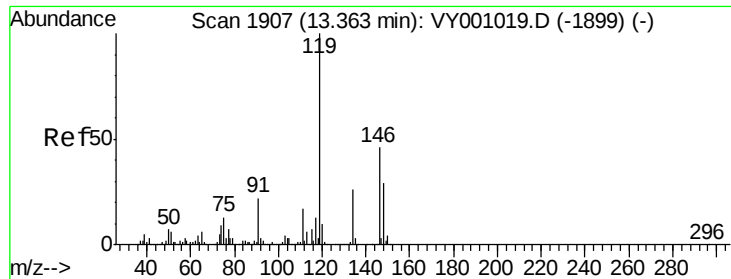
Ion Ratio Lower Upper

119 100

134 26.9 13.6 40.7

91 22.5 11.4 34.1





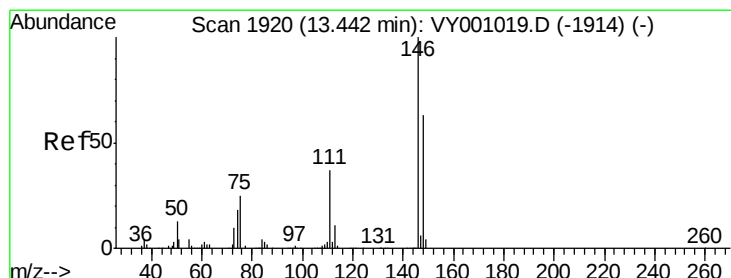
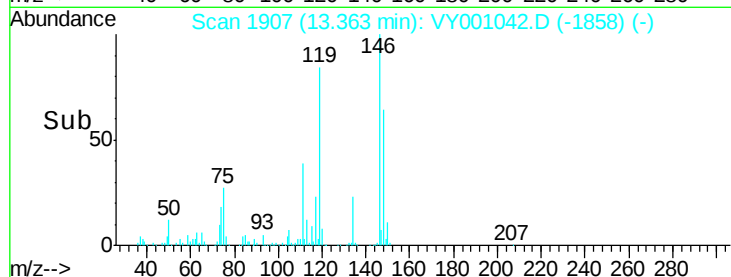
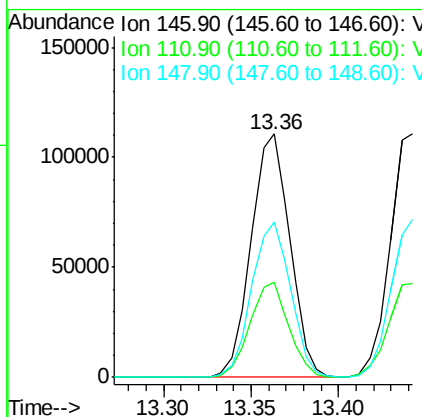
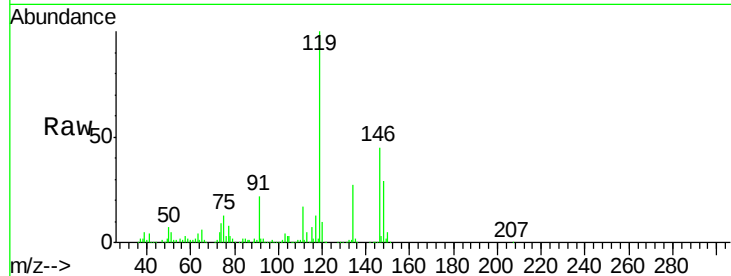
#87
 1,3-Dichlorobenzene
 Concen: 48.281 ug/l
 RT: 13.36 min Scan# 1907
 Delta R.T. 0.00 min
 Lab File: VY001042.D
 Acq: 24 Dec 2019 13:03

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-2-(4-5)MSD

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.7	59.0
148	63.9	31.9	95.5

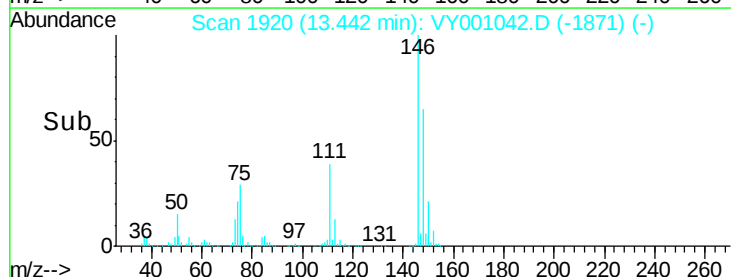
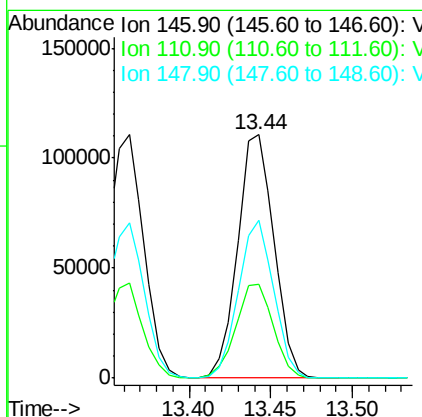
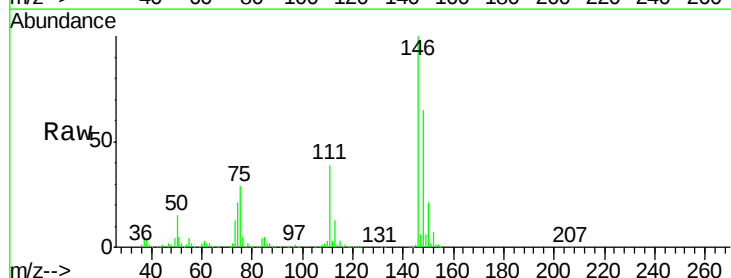
Manual Integrations
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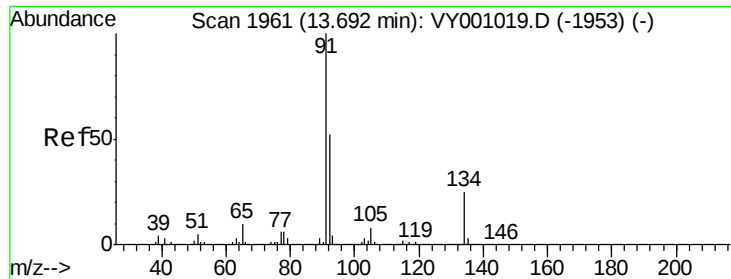
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#88
 1,4-Dichlorobenzene
 Concen: 48.249 ug/l
 RT: 13.44 min Scan# 1920
 Delta R.T. 0.00 min
 Lab File: VY001042.D
 Acq: 24 Dec 2019 13:03

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.8	19.4	58.2
148	62.8	31.8	95.3





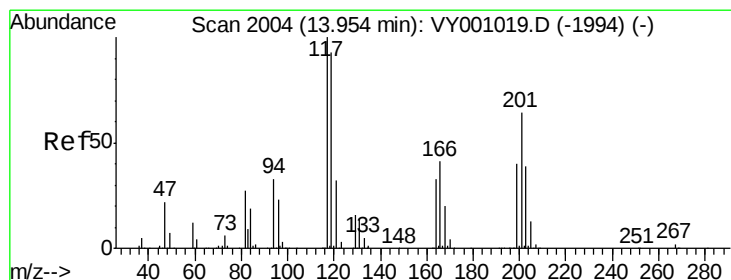
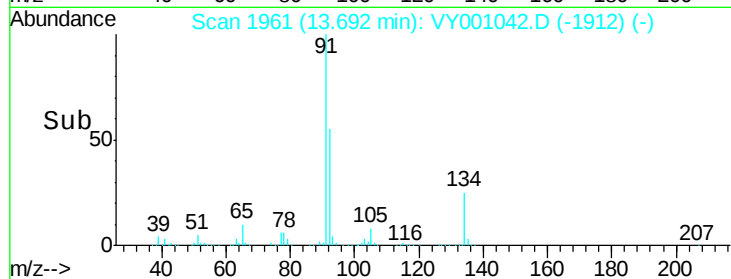
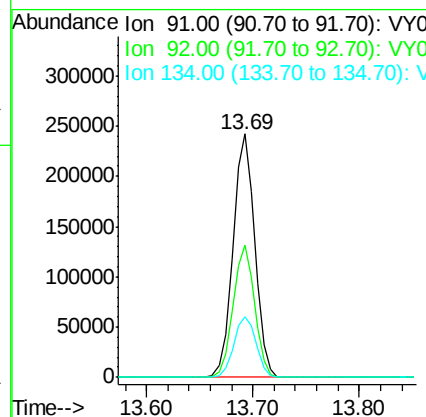
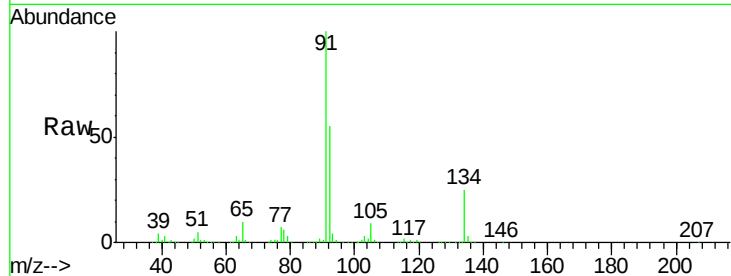
#89
n-Butylbenzene
Concen: 47.990 ug/l
RT: 13.69 min Scan# 1961
Delta R.T. 0.00 min
Lab File: VY001042.D
Acq: 24 Dec 2019 13:03

Instrument :
MSVOA_Y
ClientSampleId :
SB-2-(4-5)MSD

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.4	26.9	80.7
134	25.4	12.7	38.0

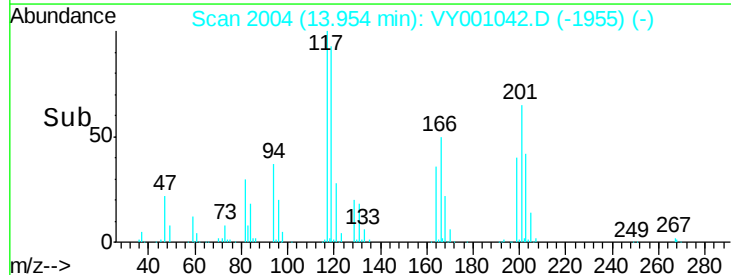
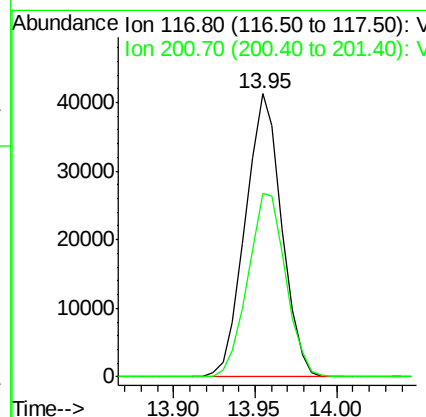
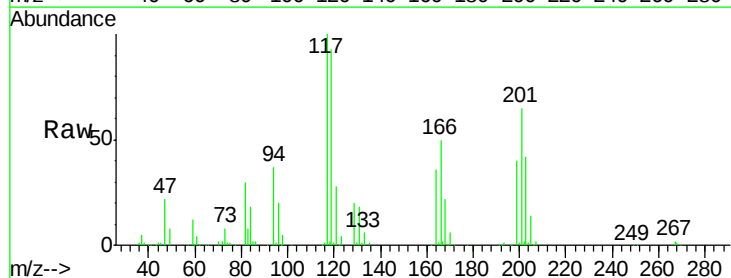
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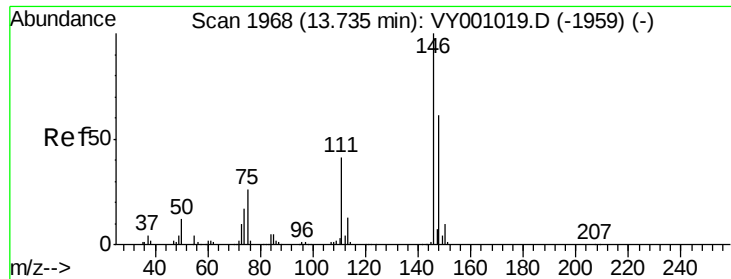
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#90
Hexachloroethane
Concen: 47.455 ug/l
RT: 13.95 min Scan# 2004
Delta R.T. 0.00 min
Lab File: VY001042.D
Acq: 24 Dec 2019 13:03

Tgt Ion	Ratio	Lower	Upper
117	100		
201	67.2	33.7	101.1





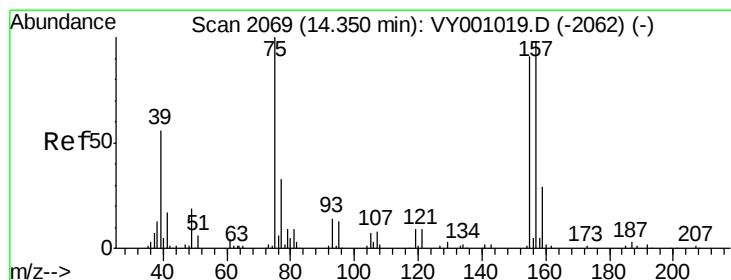
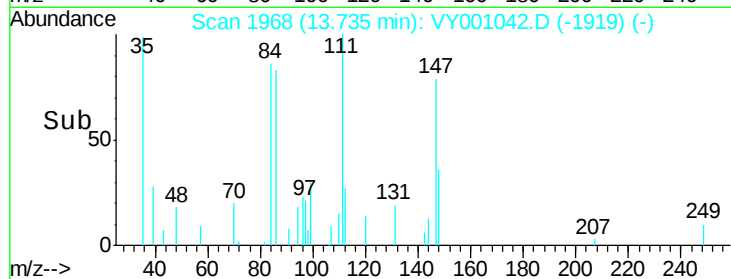
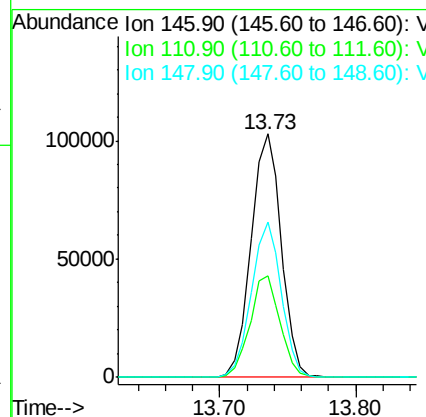
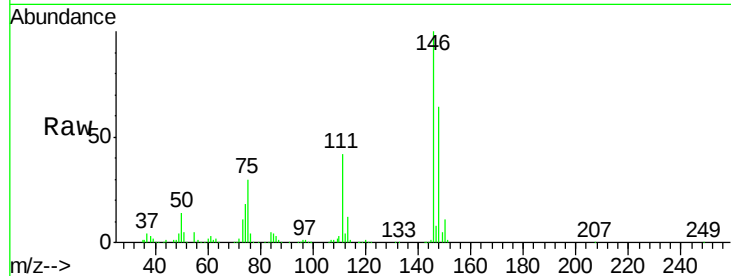
#91
 1,2-Dichlorobenzene
 Concen: 49.195 ug/l
 RT: 13.73 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VY001042.D
 Acq: 24 Dec 2019 13:03

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-2-(4-5)MSD

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.6	61.9
148	63.3	31.6	94.7

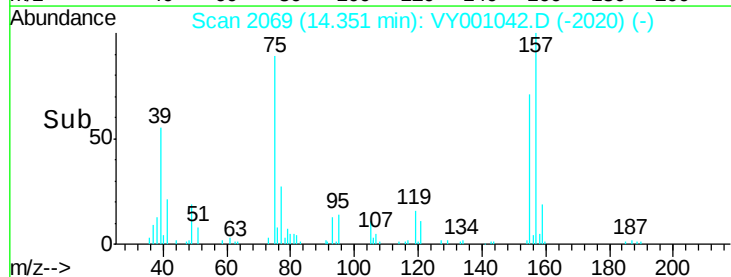
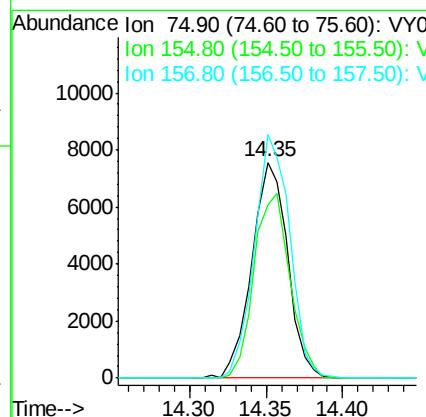
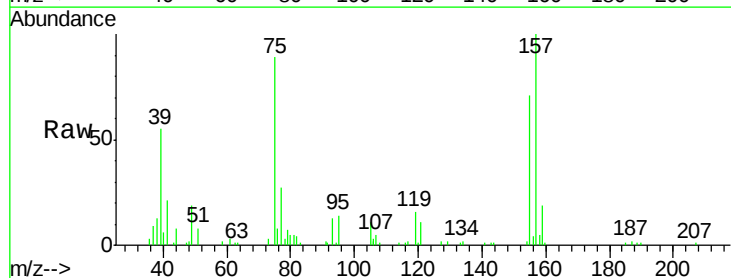
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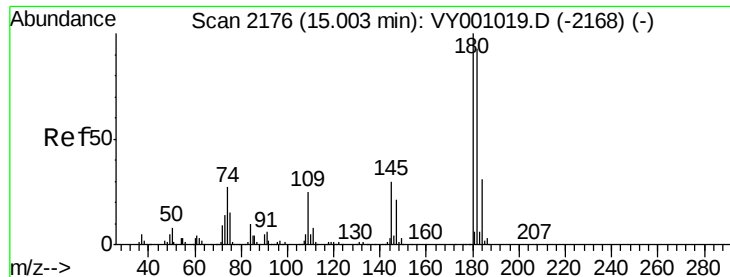
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.639 ug/l
 RT: 14.35 min Scan# 2069
 Delta R.T. 0.00 min
 Lab File: VY001042.D
 Acq: 24 Dec 2019 13:03

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.2	46.3	138.9
157	111.3	58.1	174.4





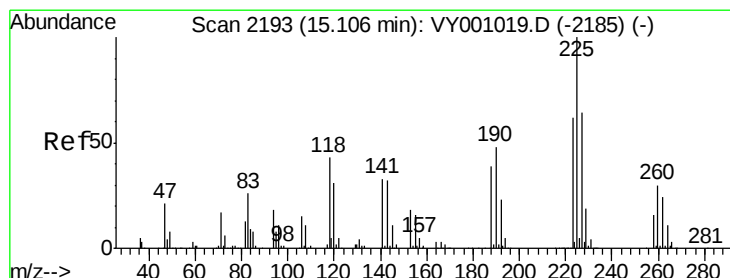
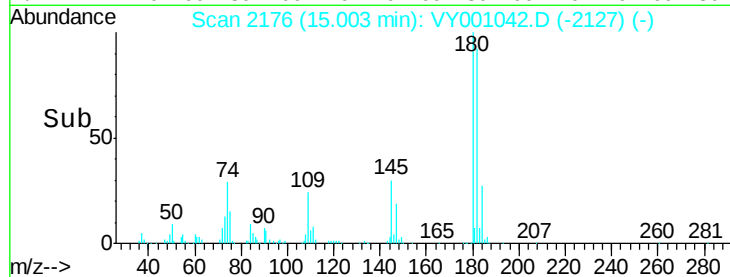
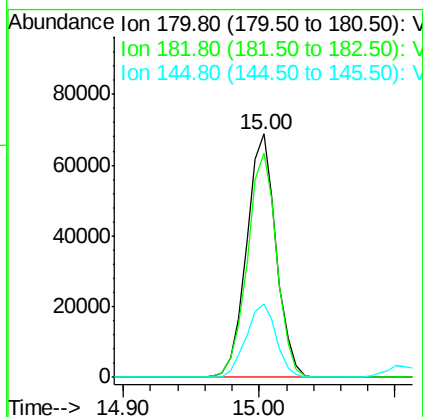
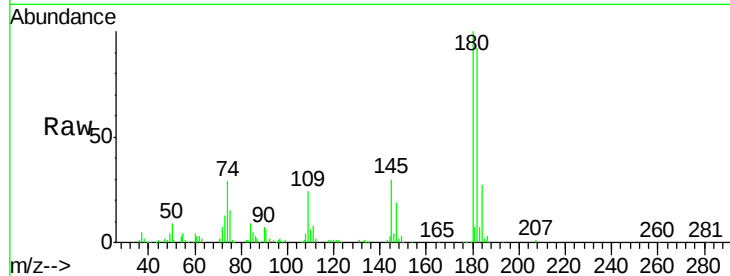
#93
 1,2,4-Trichlorobenzene
 Concen: 47.484 ug/l
 RT: 15.00 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VY001042.D
 Acq: 24 Dec 2019 13:03

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-2-(4-5)MSD

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	91.8	46.8	140.3	
145	30.4	15.3	45.9	

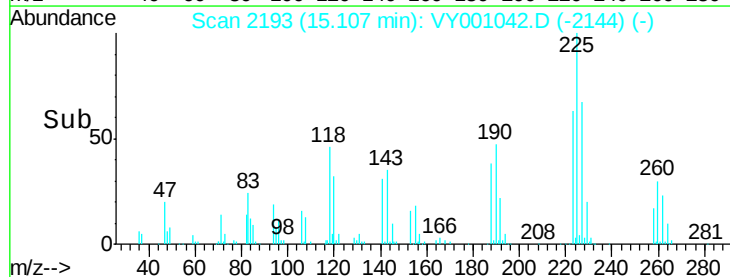
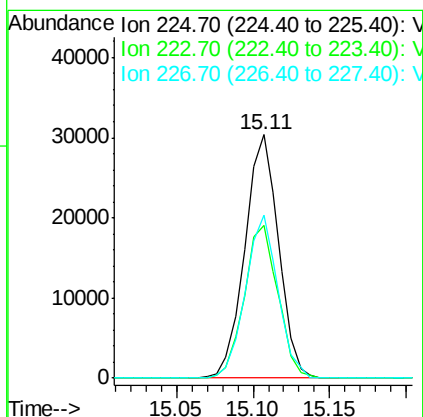
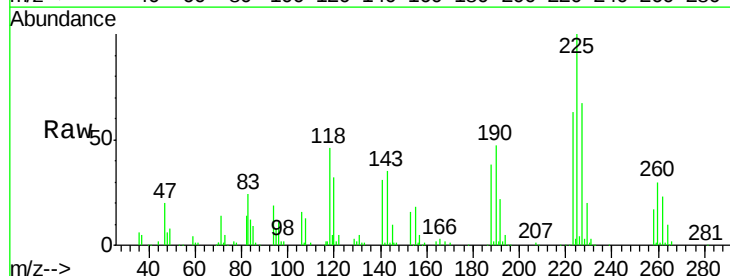
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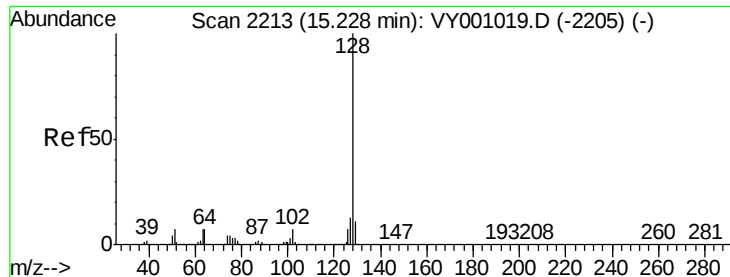
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#94
 Hexachlorobutadiene
 Concen: 44.359 ug/l
 RT: 15.11 min Scan# 2193
 Delta R.T. 0.00 min
 Lab File: VY001042.D
 Acq: 24 Dec 2019 13:03

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.6	31.6	94.8	
227	64.3	31.9	95.5	





#95

Naphthalene

Concen: 48.047 ug/l

RT: 15.23 min Scan# 2213

Delta R.T. 0.00 min

Lab File: VY001042.D

Acq: 24 Dec 2019 13:03

Instrument :

MSVOA_Y

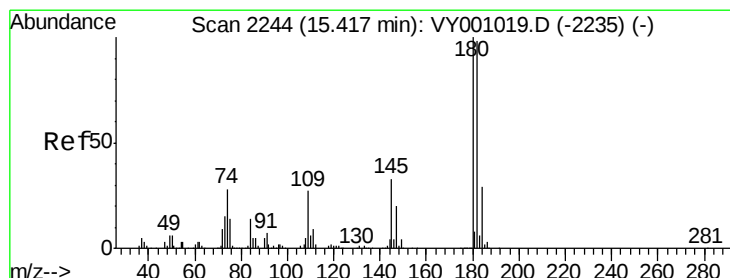
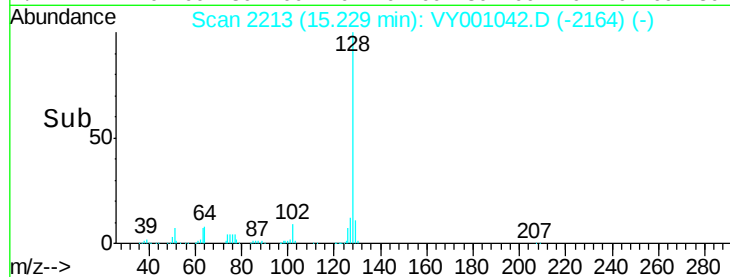
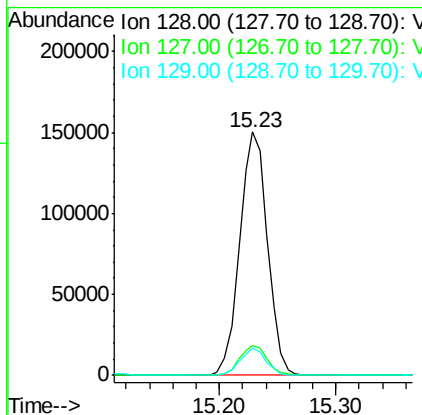
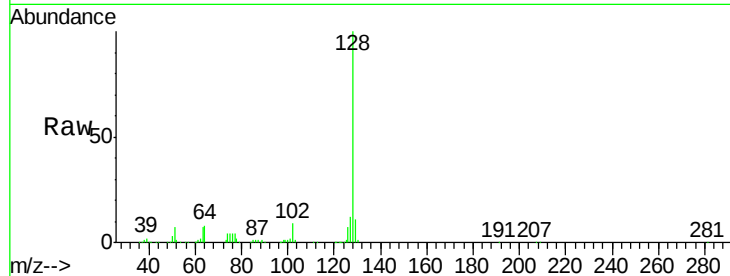
ClientSampleId :

SB-2-(4-5)MSD

Tot Ion:	128	Resp:	248747
Ion Ratio	Lower	Upper	
128	100		
127	11.9	9.9	14.9
129	10.5	8.6	13.0

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 47.699 ug/l

RT: 15.42 min Scan# 2244

Delta R.T. 0.00 min

Lab File: VY001042.D

Acq: 24 Dec 2019 13:03

Tgt Ion:	180	Resp:	93644
Ion Ratio	Lower	Upper	
180	100		
182	94.1	47.9	143.8
145	33.9	16.3	48.9

