

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY122719\
 Data File : VY001090.D
 Acq On : 27 Dec 2019 12:25
 Operator : SY/MD
 Sample : VY1227SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1227SBS01

Manual Integrations
 APPROVED

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 12/30/2019 3:33:41 PM

Quant Time: Dec 28 04:23:36 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	306325	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	537758	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	474722	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	214197	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	153827	50.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.84%	
35) Dibromofluoromethane	7.72	113	159995	50.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.06%	
50) Toluene-d8	10.18	98	670706	54.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.40%	
62) 4-Bromofluorobenzene	12.48	95	218915	48.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	56325	21.101	ug/l	97
3) Chloromethane	2.12	50	74103	20.398	ug/l	95
4) Vinyl Chloride	2.26	62	72565	20.568	ug/l	95
5) Bromomethane	2.64	94	43713	18.772	ug/l	97
6) Chloroethane	2.79	64	43009	19.573	ug/l	91
7) Trichlorofluoromethane	3.13	101	107099	20.697	ug/l	99
8) Diethyl Ether	3.53	74	44321	20.982	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.91	101	71037	20.899	ug/l	99
10) Methyl Iodide	4.10	142	91875	19.563	ug/l	100
11) Tert butyl alcohol	4.97	59	32257	97.103	ug/l #	90
12) 1,1-Dichloroethene	3.88	96	73612	21.391	ug/l	95
13) Acrolein	3.74	56	37101	90.139	ug/l	97
14) Allyl chloride	4.49	41	107079	20.030	ug/l	100
15) Acrylonitrile	5.18	53	108202	102.496	ug/l	99
16) Acetone	3.96	43	72456	104.102	ug/l	94
17) Carbon Disulfide	4.20	76	231066	20.548	ug/l	100
18) Methyl Acetate	4.48	43	54846	20.539	ug/l	100
19) Methyl tert-butyl Ether	5.23	73	178101	20.052	ug/l	99
20) Methylene Chloride	4.71	84	86989	21.234	ug/l	91
21) trans-1,2-Dichloroethene	5.23	96	80258	21.044	ug/l	97
22) Diisopropyl ether	6.13	45	220671	20.422	ug/l	99
23) Vinyl Acetate	6.07	43	672155	98.494	ug/l	99
24) 1,1-Dichloroethane	6.03	63	130790	20.482	ug/l	99
25) 2-Butanone	6.99	43	121763	99.585	ug/l	100
26) 2,2-Dichloropropane	6.99	77	106537	20.307	ug/l	99
27) cis-1,2-Dichloroethene	6.99	96	85833	20.485	ug/l	99
28) Bromochloromethane	7.35	49	45509	18.265	ug/l	96
29) Tetrahydrofuran	7.36	42	83954	96.527	ug/l	95
30) Chloroform	7.52	83	122409	20.272	ug/l	98
31) Cyclohexane	7.79	56	133650	19.904	ug/l	96
32) 1,1,1-Trichloroethane	7.71	97	102502	19.900	ug/l	98
36) 1,1-Dichloropropene	7.93	75	105723	20.608	ug/l	98
37) Ethyl Acetate	7.08	43	55677	19.600	ug/l	98
38) Carbon Tetrachloride	7.90	117	92197	20.512	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	141064	20.706	ug/l	99
40) Benzene	8.17	78	322138	20.814	ug/l	98
41) Methacrylonitrile	7.33	41	24126m	19.590	ug/l	
42) 1,2-Dichloroethane	8.24	62	74399	20.106	ug/l	100
43) Isopropyl Acetate	8.28	43	100199	19.055	ug/l	97
44) Trichloroethene	8.94	130	85047	20.856	ug/l	90
45) 1,2-Dichloropropane	9.22	63	78102	20.116	ug/l	95
46) Dibromomethane	9.31	93	40737	20.354	ug/l	99
47) Bromodichloromethane	9.50	83	92158	19.878	ug/l	97
48) Methyl methacrylate	9.30	41	41511	18.499	ug/l	94
49) 1,4-Dioxane	9.30	88	11572	395.243	ug/l	99
51) 4-Methyl-2-Pentanone	10.07	43	267270	97.516	ug/l	98
52) Toluene	10.24	92	195522	20.525	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	99061	19.688	ug/l	100
54) cis-1,3-Dichloropropene	9.93	75	119574	19.764	ug/l	98
55) 1,1,2-Trichloroethane	10.64	97	63028	21.094	ug/l	95
56) Ethyl methacrylate	10.51	69	85279	20.054	ug/l	97
57) 1,3-Dichloropropane	10.79	76	106321	20.300	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	167318	101.868	ug/l	100
59) 2-Hexanone	10.83	43	179064	94.420	ug/l	97
60) Dibromochloromethane	10.99	129	64869	20.324	ug/l	100
61) 1,2-Dibromoethane	11.09	107	59860	20.950	ug/l	97
64) Tetrachloroethene	10.72	164	89974	21.905	ug/l	96
65) Chlorobenzene	11.52	112	206280	20.948	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	68717	21.146	ug/l	97
67) Ethyl Benzene	11.59	91	365481	20.635	ug/l	99
68) m/p-Xylenes	11.70	106	280953	41.777	ug/l	98
69) o-Xylene	12.03	106	132344	20.918	ug/l	99
70) Styrene	12.04	104	221723	20.610	ug/l	99
71) Bromoform	12.20	173	36323	20.074	ug/l #	97
73) Isopropylbenzene	12.33	105	346015	20.875	ug/l	100
74) N-amyl acetate	12.14	43	84716	19.455	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	64923	19.882	ug/l	100
76) 1,2,3-Trichloropropane	12.63	75	46906m	17.763	ug/l	
77) Bromobenzene	12.61	156	78062	20.940	ug/l	97
78) n-propylbenzene	12.67	91	417930	20.692	ug/l	98
79) 2-Chlorotoluene	12.75	91	227782	20.422	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	279646	20.582	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	24862	20.081	ug/l	99
82) 4-Chlorotoluene	12.85	91	233136	20.124	ug/l	98
83) tert-Butylbenzene	13.07	119	240504	21.087	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	283242	20.745	ug/l	99
85) sec-Butylbenzene	13.25	105	350467	20.844	ug/l	99
86) p-Isopropyltoluene	13.37	119	303231	20.842	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	147927	20.661	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	149813	20.742	ug/l	99
89) n-Butylbenzene	13.69	91	304976	20.835	ug/l	99
90) Hexachloroethane	13.95	117	55849	20.375	ug/l	99
91) 1,2-Dichlorobenzene	13.74	146	134984	20.438	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.36	75	10847	19.855	ug/l	94

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VY1227SBS01

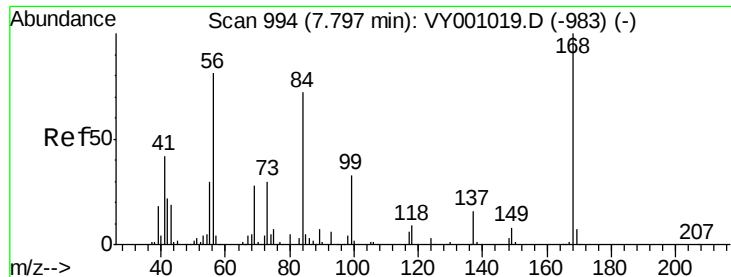
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	93695	21.018	ug/l	99
94) Hexachlorobutadiene	15.11	225	44135	20.805	ug/l	98
95) Naphthalene	15.23	128	215083	20.516	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	82420	20.732	ug/l	99

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



#1

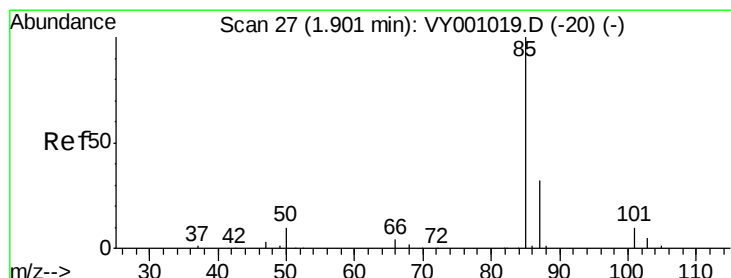
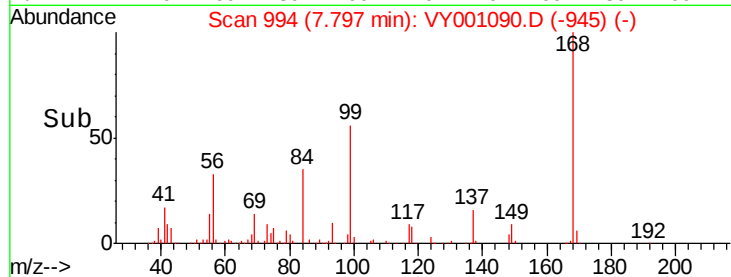
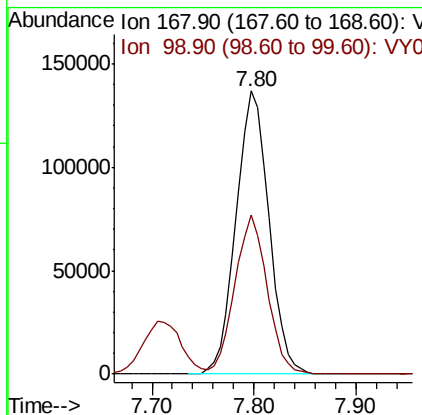
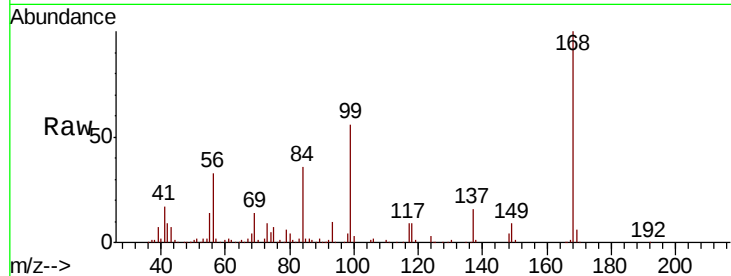
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VY001090.D
 Acq: 27 Dec 2019 12:25

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1227SBS01

Tot Ion	Ratio	Lower	Upper
168	100		
99	56.4	44.0	66.0

Manual Integrations
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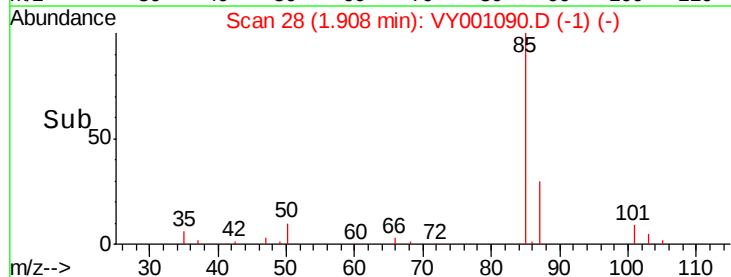
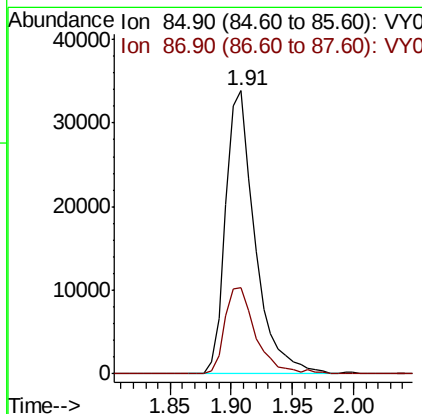
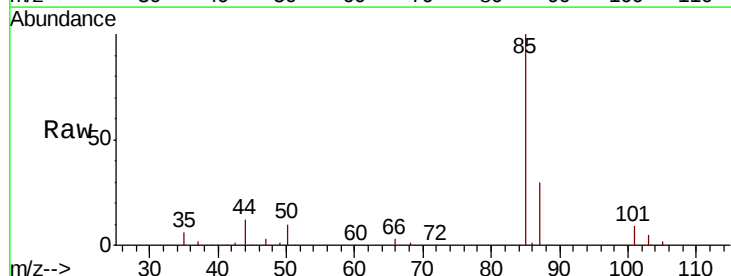
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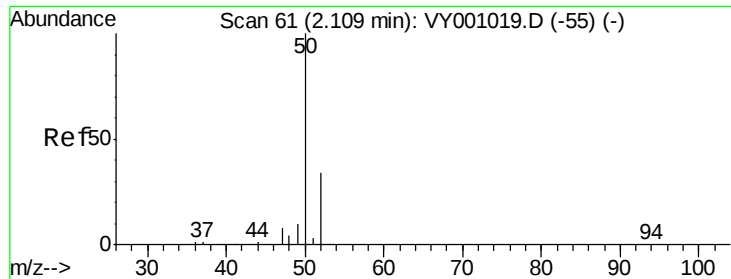


#2

Dichlorodifluoromethane
 Concen: 21.101 ug/l
 RT: 1.91 min Scan# 28
 Delta R.T. 0.01 min
 Lab File: VY001090.D
 Acq: 27 Dec 2019 12:25

Tgt Ion	Ratio	Lower	Upper
85	100		
87	30.3	15.9	47.7





#3

Chloromethane

Concen: 20.398 ug/l

RT: 2.12 min Scan# 62

Delta R.T. 0.01 min

Lab File: VY001090.D

Acq: 27 Dec 2019 12:25

Instrument :

MSVOA_Y

ClientSampleId :

VY1227SBS01

Tot Ion: 50 Resp: 74103

Ion Ratio Lower Upper

50 100

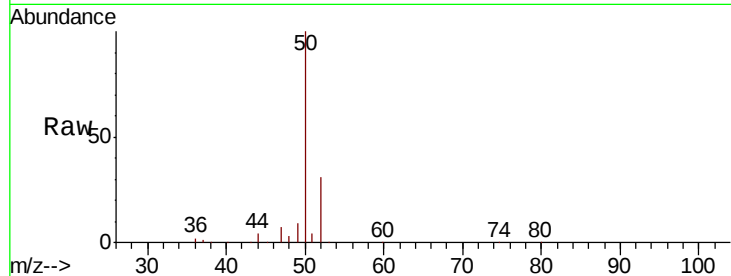
52 30.9 27.1 40.7

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0

2.12

50000

40000

30000

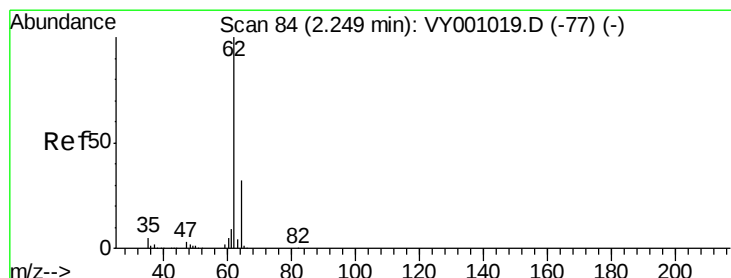
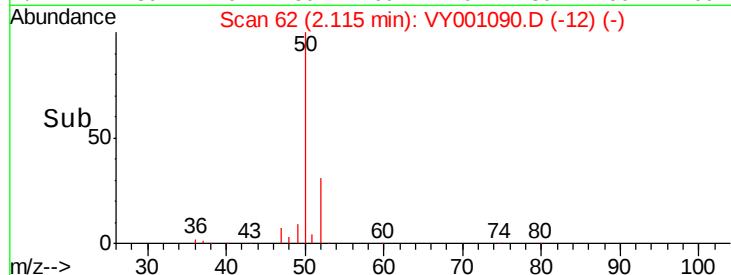
20000

10000

0

Time-->

2.05 2.10 2.15 2.20



#4

Vinyl Chloride

Concen: 20.568 ug/l

RT: 2.26 min Scan# 85

Delta R.T. 0.01 min

Lab File: VY001090.D

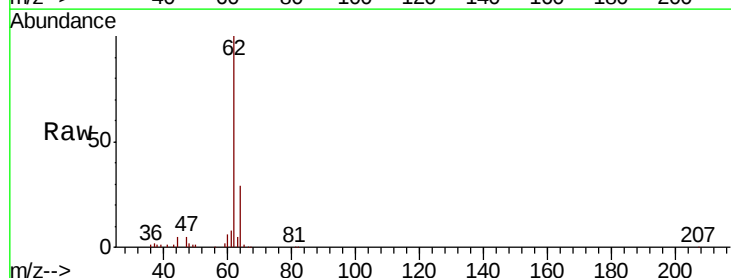
Acq: 27 Dec 2019 12:25

Tgt Ion: 62 Resp: 72565

Ion Ratio Lower Upper

62 100

64 29.2 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0

2.26

50000

40000

30000

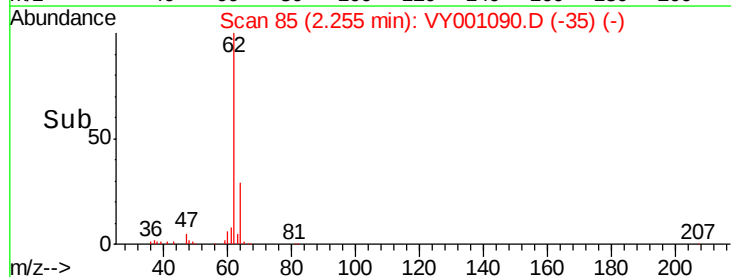
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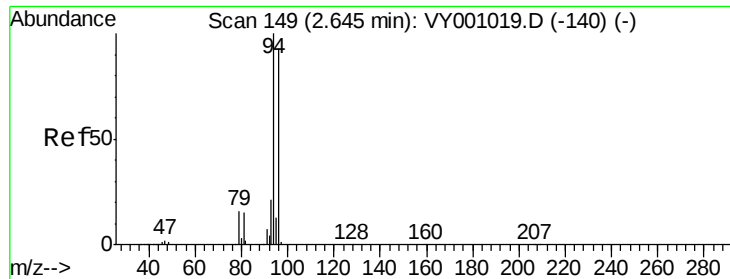
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Time-->

2.15 2.20 2.25 2.30 2.35





#5

Bromomethane

Concen: 18.772 ug/l

RT: 2.64 min Scan# 148

Delta R.T. -0.01 min

Lab File: VY001090.D

Acq: 27 Dec 2019 12:25

Instrument :

MSVOA_Y

ClientSampleId :

VY1227SBS01

Tot Ion: 94 Resp: 43713

Ion Ratio Lower Upper

94 100

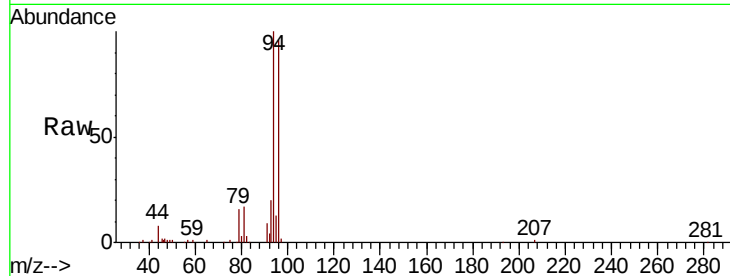
96 95.5 74.2 111.4

Manual Integrations

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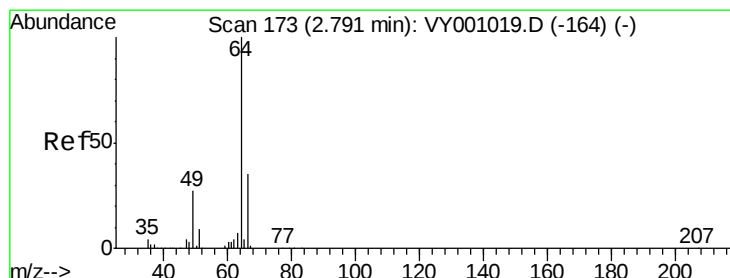
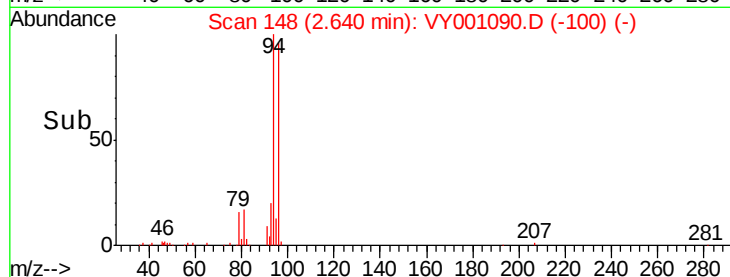
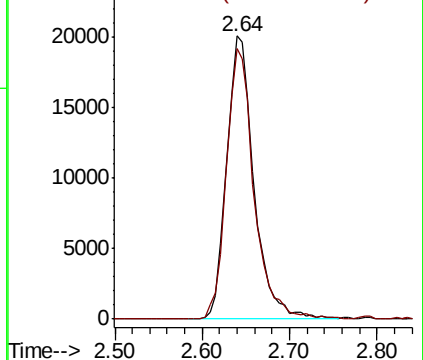
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Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 19.573 ug/l

RT: 2.79 min Scan# 173

Delta R.T. 0.00 min

Lab File: VY001090.D

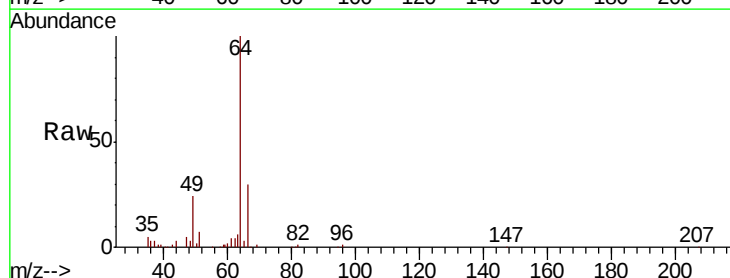
Acq: 27 Dec 2019 12:25

Tgt Ion: 64 Resp: 43009

Ion Ratio Lower Upper

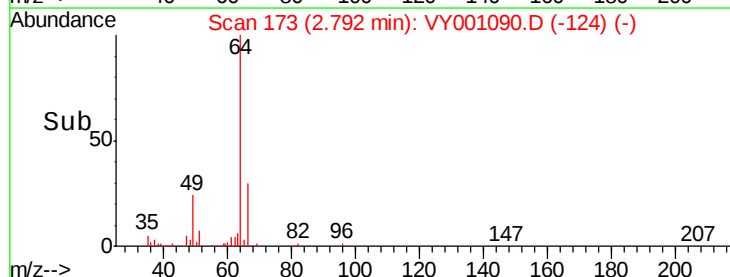
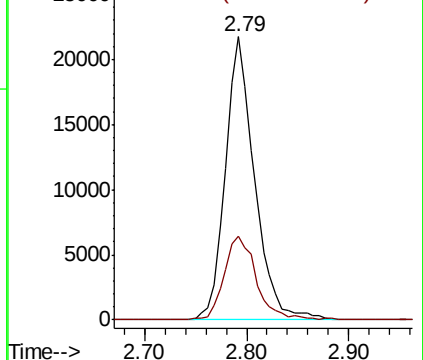
64 100

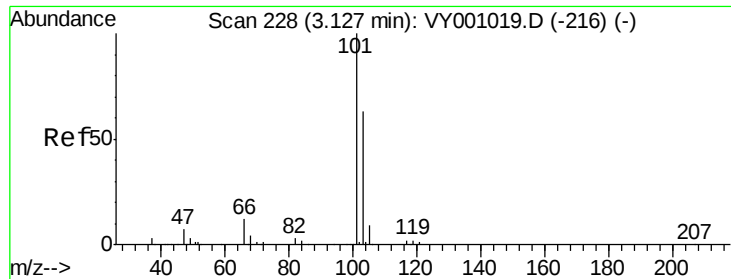
66 29.7 27.8 41.6



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

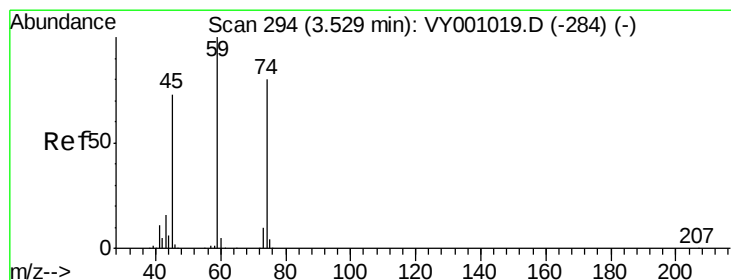
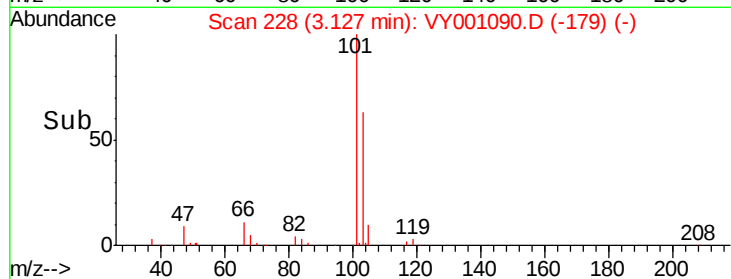
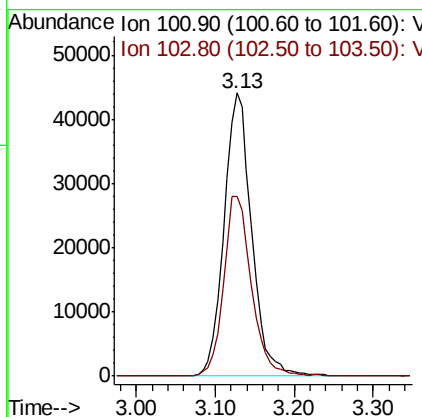
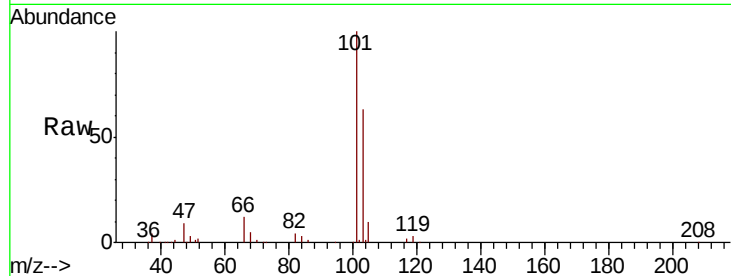
Trichlorofluoromethane
Concen: 20.697 ug/l
RT: 3.13 min Scan# 228
Delta R.T. 0.00 min
Lab File: VY001090.D
Acq: 27 Dec 2019 12:25

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Tot Ion	Ratio	Resp	Lower	Upper
101	100	107099		
103	63.4	50.2	75.2	

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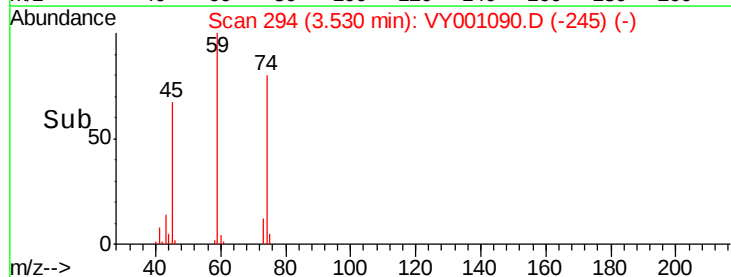
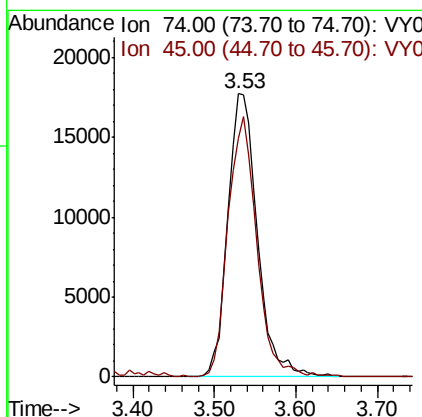
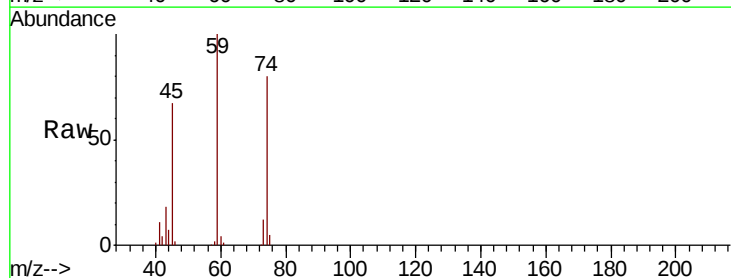
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12/30/2019 3:33:41 PM

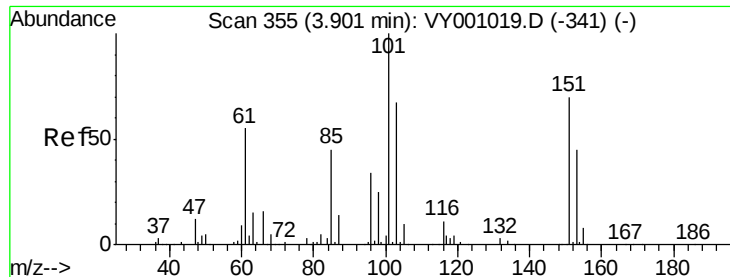


#8

Diethyl Ether
Concen: 20.982 ug/l
RT: 3.53 min Scan# 294
Delta R.T. 0.00 min
Lab File: VY001090.D
Acq: 27 Dec 2019 12:25

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	44321		
45	88.9	46.4	139.2	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.899 ug/l

RT: 3.91 min Scan# 356

Delta R.T. 0.01 min

Lab File: VY001090.D

Acq: 27 Dec 2019 12:25

Instrument :

MSVOA_Y

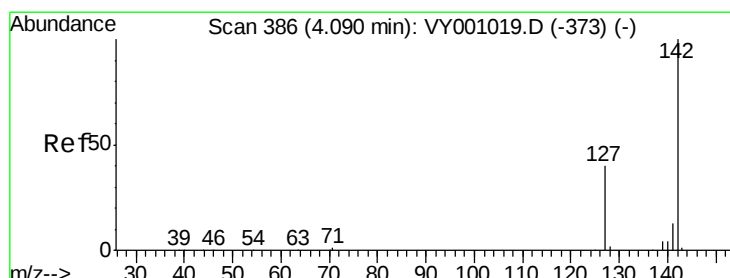
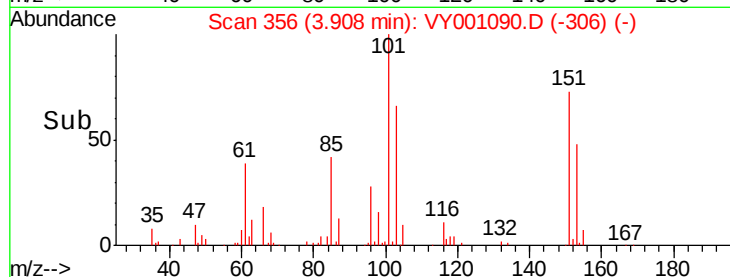
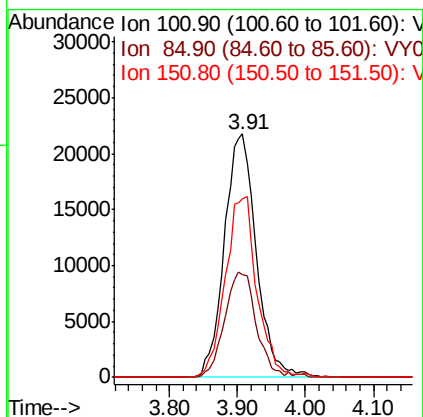
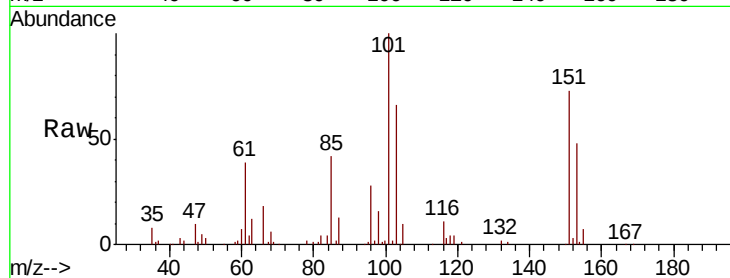
ClientSampleId :

VY1227SBS01

Tot Ion:	101	Resp:	71037
Ion Ratio	Lower	Upper	
101	100		
85	43.0	34.2	51.2
151	73.0	57.0	85.6

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#10

Methyl Iodide

Concen: 19.563 ug/l

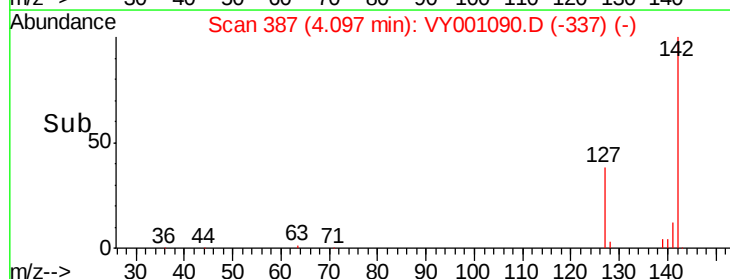
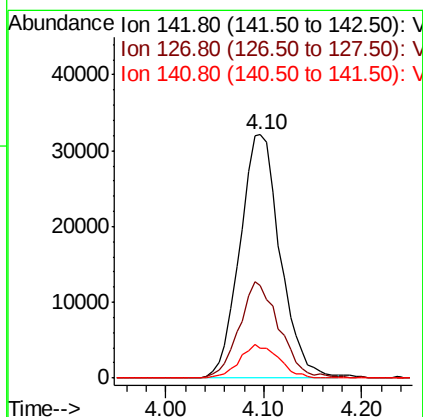
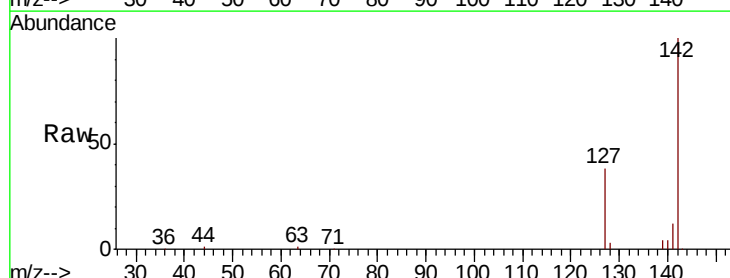
RT: 4.10 min Scan# 387

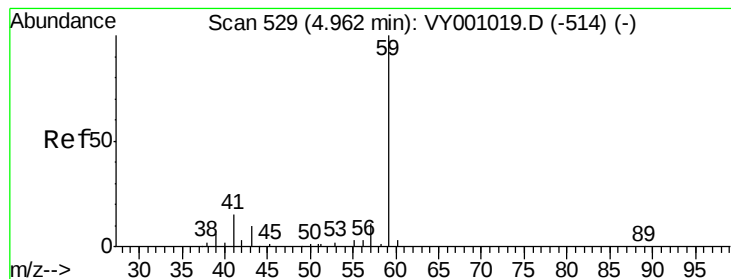
Delta R.T. 0.01 min

Lab File: VY001090.D

Acq: 27 Dec 2019 12:25

Tgt Ion:	142	Resp:	91875
Ion Ratio	Lower	Upper	
142	100		
127	39.1	31.2	46.8
141	13.4	11.0	16.4





#11

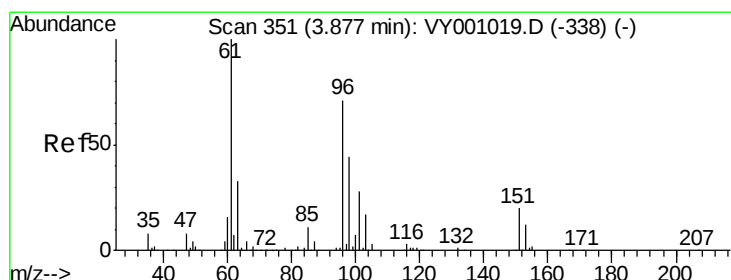
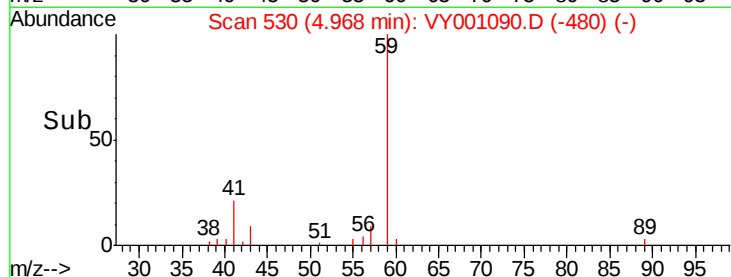
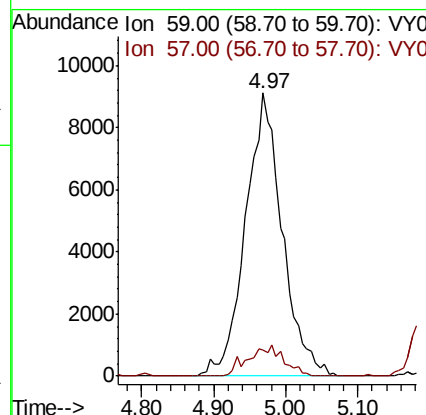
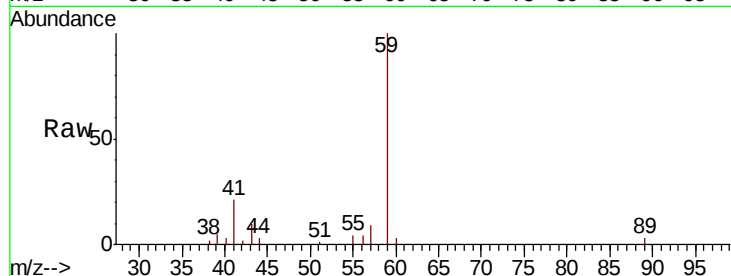
Tert butyl alcohol
 Concen: 97.103 ug/l
 RT: 4.97 min Scan# 530
 Delta R.T. 0.01 min
 Lab File: VY001090.D
 Acq: 27 Dec 2019 12:25

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1227SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	6.0	7.8	11.6#

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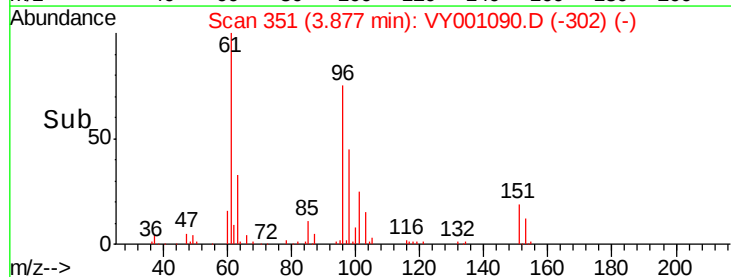
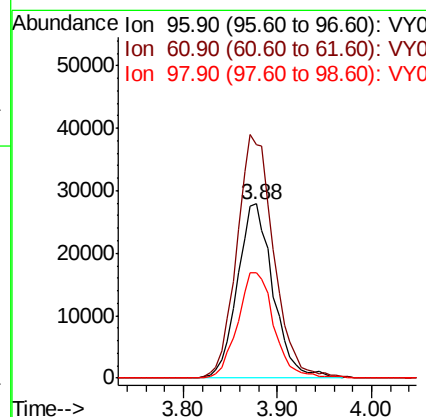
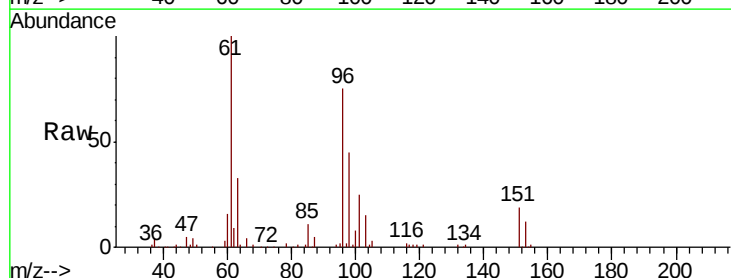
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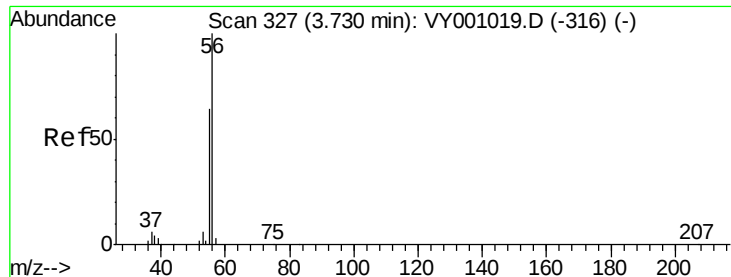


#12

1,1-Dichloroethene
 Concen: 21.391 ug/l
 RT: 3.88 min Scan# 351
 Delta R.T. 0.00 min
 Lab File: VY001090.D
 Acq: 27 Dec 2019 12:25

Tgt Ion	Ratio	Lower	Upper
96	100		
61	134.1	113.0	169.4
98	60.5	49.8	74.8





#13

Acrolein

Concen: 90.139 ug/l

RT: 3.74 min Scan# 328

Delta R.T. 0.01 min

Lab File: VY001090.D

Acq: 27 Dec 2019 12:25

Instrument :

MSVOA_Y

ClientSampleId :

VY1227SBS01

Tot Ion: 56 Resp: 37101

Ion Ratio Lower Upper

56 100

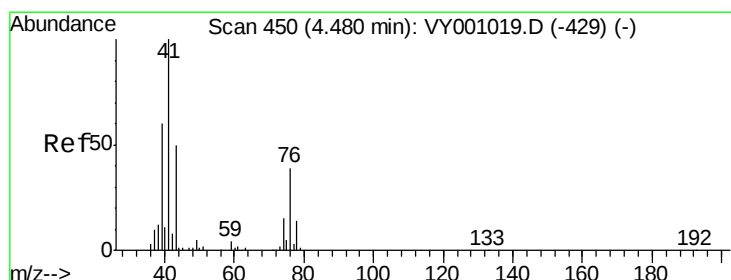
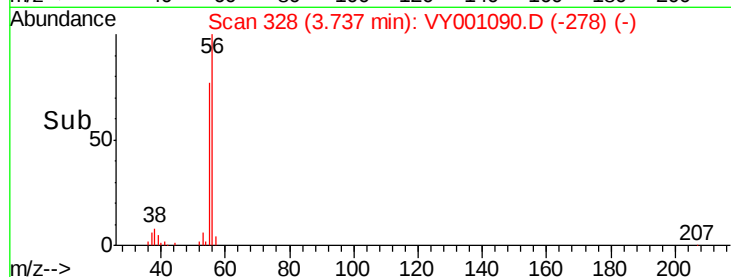
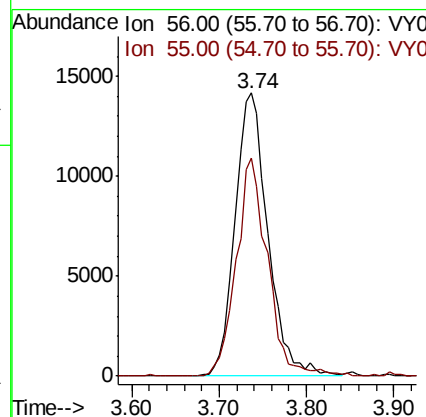
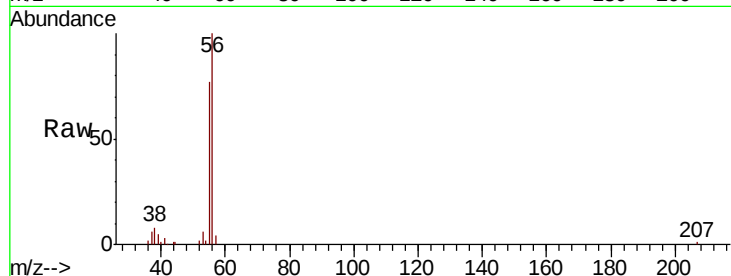
55 72.3 55.6 83.4

Manual Integrations

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#14

Allyl chloride

Concen: 20.030 ug/l

RT: 4.49 min Scan# 451

Delta R.T. 0.01 min

Lab File: VY001090.D

Acq: 27 Dec 2019 12:25

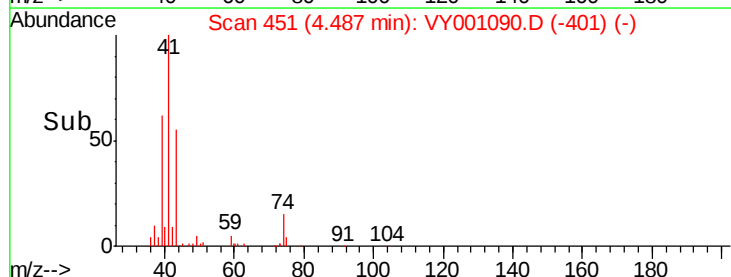
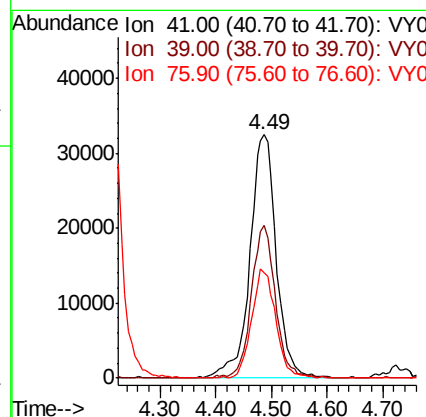
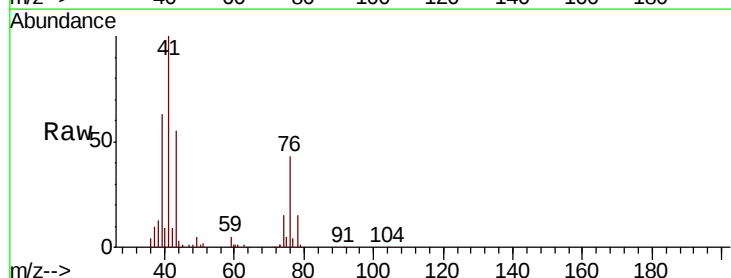
Tgt Ion: 41 Resp: 107079

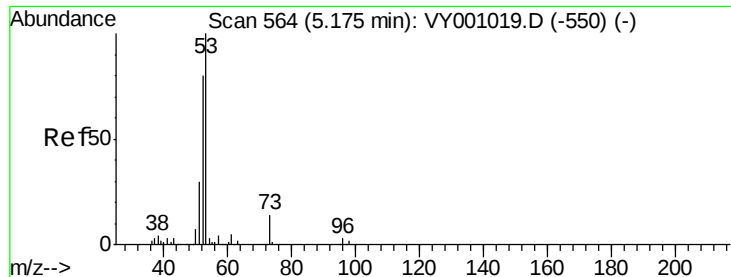
Ion Ratio Lower Upper

41 100

39 57.5 46.0 69.0

76 40.8 32.6 48.8





#15

Acrylonitrile

Concen: 102.496 ug/l

RT: 5.18 min Scan# 564

Delta R.T. 0.00 min

Lab File: VY001090.D

Acq: 27 Dec 2019 12:25

Instrument :

MSVOA_Y

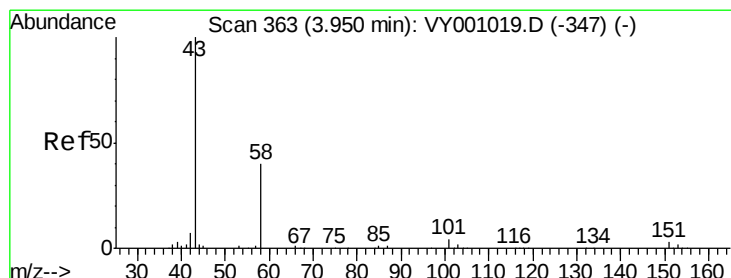
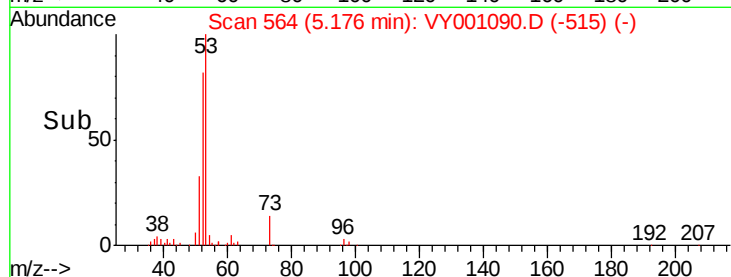
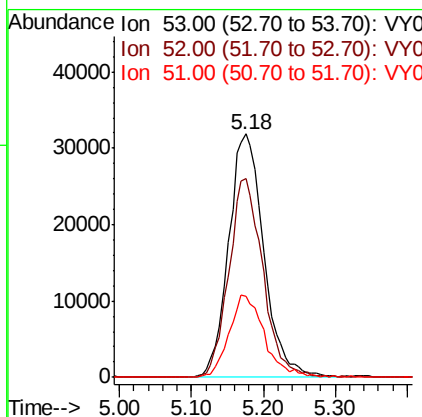
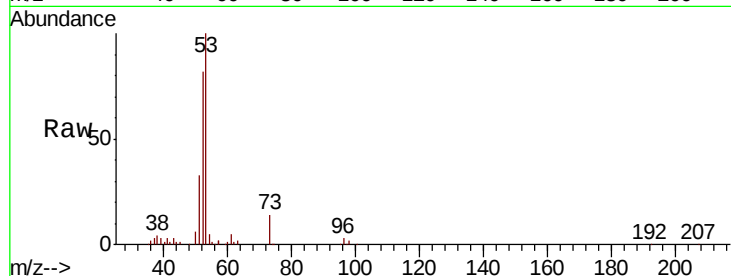
ClientSampleId :

VY1227SBS01

Tot Ion:	53	Resp:	108202
Ion Ratio	Lower	Upper	
53	100		
52	78.9	63.6	95.4
51	33.6	26.7	40.1

Manual Integrations
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#16

Acetone

Concen: 104.102 ug/l

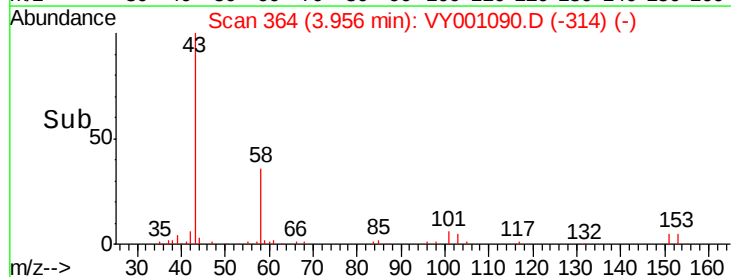
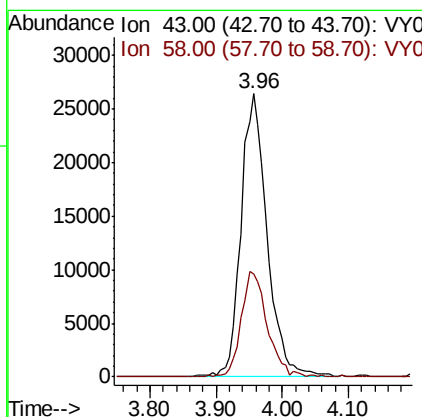
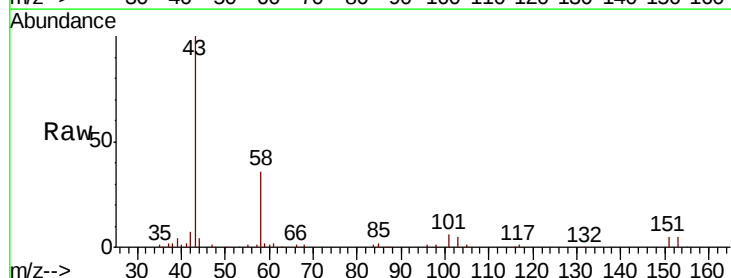
RT: 3.96 min Scan# 364

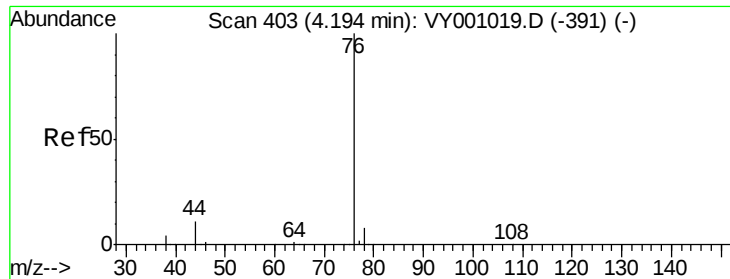
Delta R.T. 0.01 min

Lab File: VY001090.D

Acq: 27 Dec 2019 12:25

Tgt Ion:	43	Resp:	72456
Ion Ratio	Lower	Upper	
43	100		
58	36.4	32.1	48.1





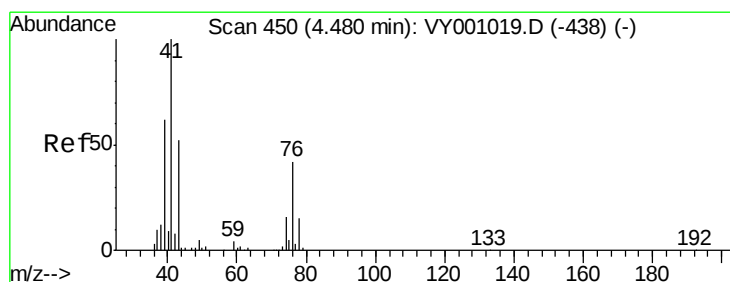
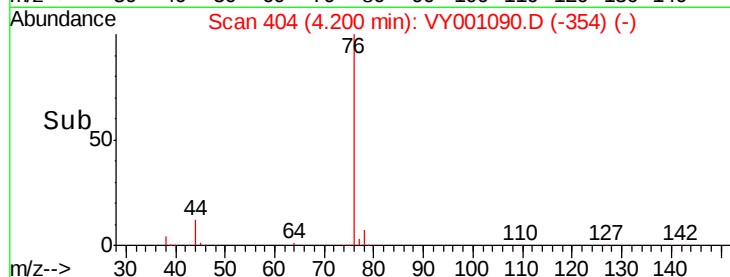
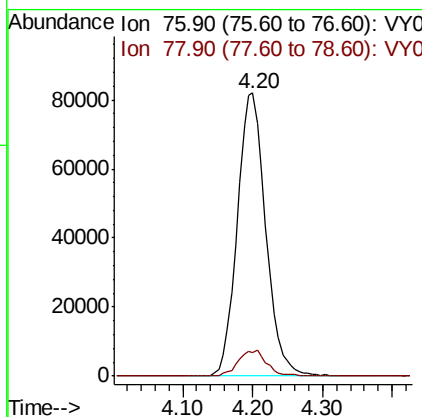
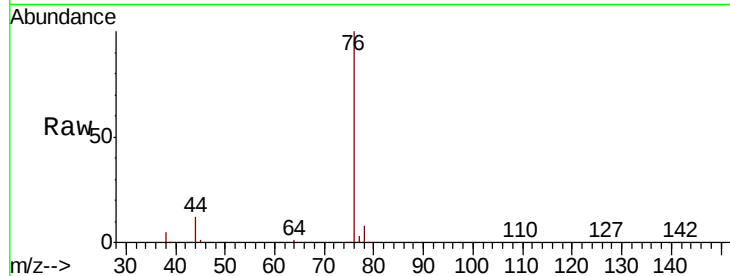
#17
Carbon Disulfide
Concen: 20.548 ug/l
RT: 4.20 min Scan# 404
Delta R.T. 0.01 min
Lab File: VY001090.D
Acq: 27 Dec 2019 12:25

Instrument :
MSVOA_Y
ClientSampleId :
VY1227SBS01

Tot Ion: 76 Resp: 231066
Ion Ratio Lower Upper
76 100
78 8.3 6.7 10.1

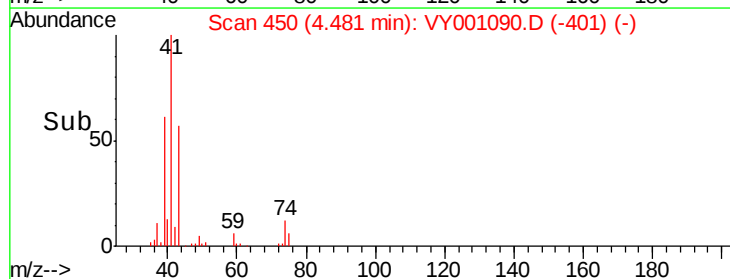
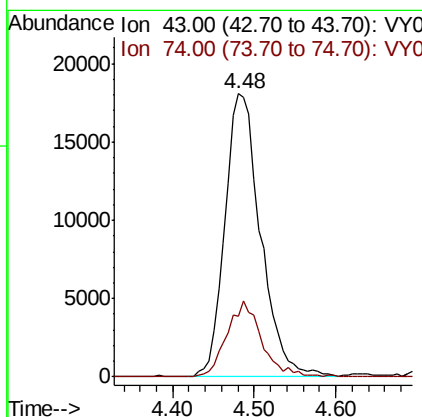
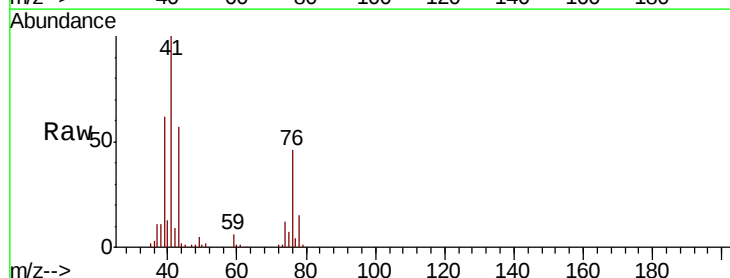
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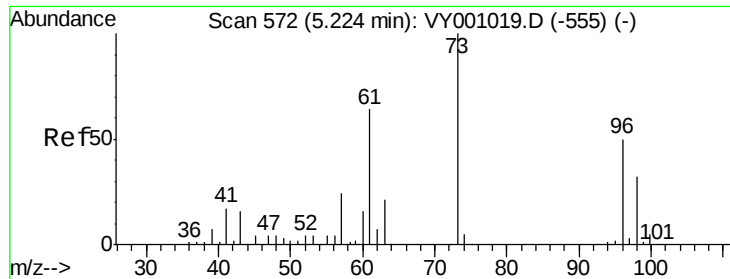
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#18
Methyl Acetate
Concen: 20.539 ug/l
RT: 4.48 min Scan# 450
Delta R.T. 0.00 min
Lab File: VY001090.D
Acq: 27 Dec 2019 12:25

Tgt Ion: 43 Resp: 54846
Ion Ratio Lower Upper
43 100
74 25.9 20.7 31.1





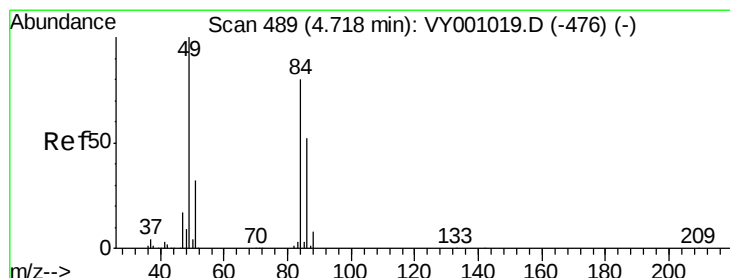
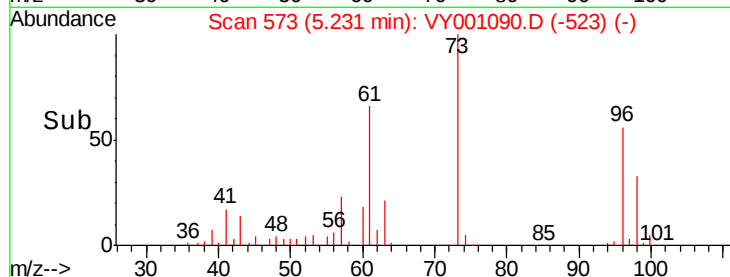
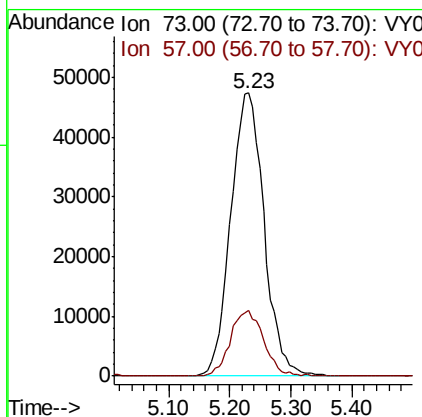
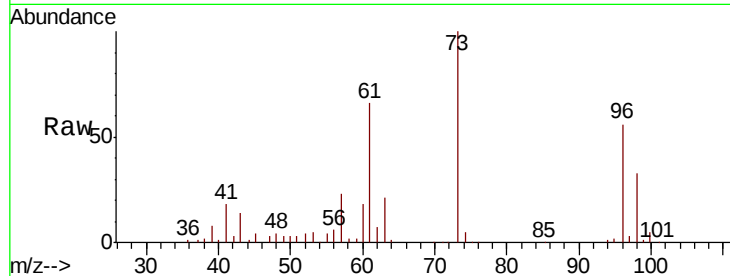
#19
Methvl tert-butvl Ether
Concen: 20.052 ug/l
RT: 5.23 min Scan# 573
Delta R.T. 0.01 min
Lab File: VY001090.D
Acq: 27 Dec 2019 12:25

Instrument :
MSVOA_Y
ClientSampleId :
VY1227SBS01

Tot Ion: 73 Resp: 178101
Ion Ratio Lower Upper
73 100
57 23.3 19.0 28.6

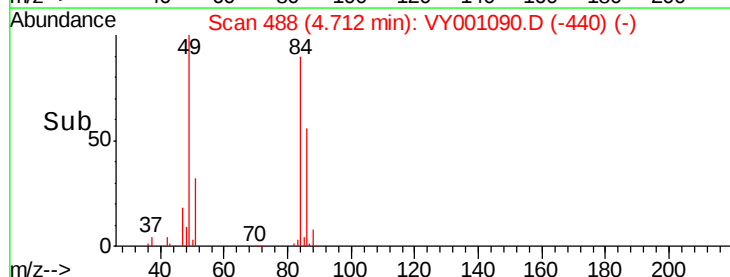
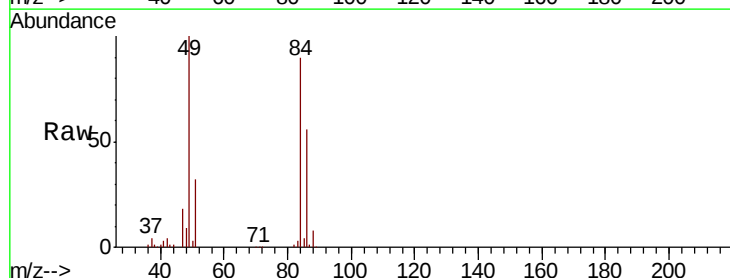
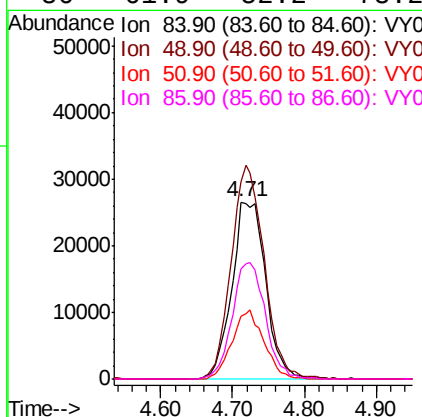
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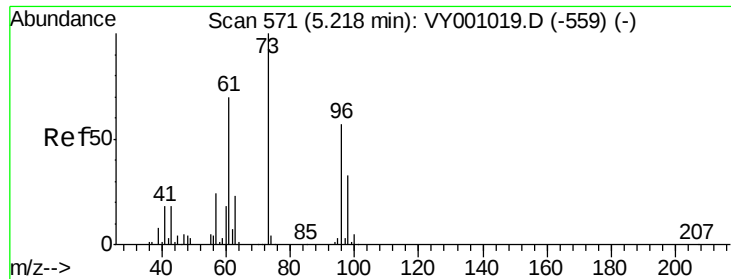
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#20
Methylene Chloride
Concen: 21.234 ug/l
RT: 4.71 min Scan# 488
Delta R.T. -0.01 min
Lab File: VY001090.D
Acq: 27 Dec 2019 12:25

Tgt Ion: 84 Resp: 86989
Ion Ratio Lower Upper
84 100
49 111.1 99.8 149.6
51 35.2 31.4 47.2
86 61.9 52.2 78.2





#21

trans-1,2-Dichloroethene

Concen: 21.044 ug/l

RT: 5.23 min Scan# 573

Delta R.T. 0.01 min

Lab File: VY001090.D

Acq: 27 Dec 2019 12:25

Instrument :

MSVOA_Y

ClientSampleId :

VY1227SBS01

Tot Ion: 96 Resp: 80258

Ion Ratio Lower Upper

96 100

61 118.2 98.1 147.1

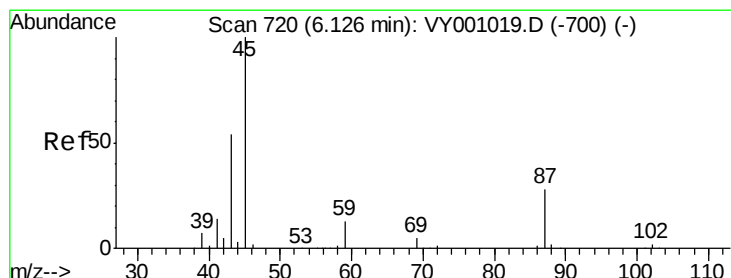
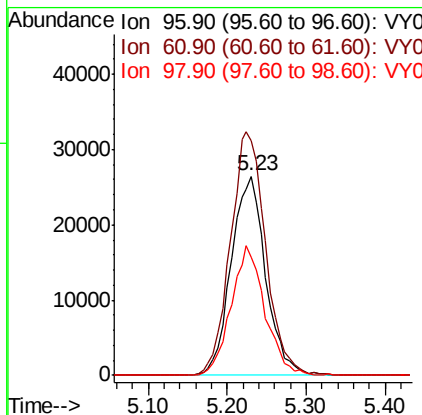
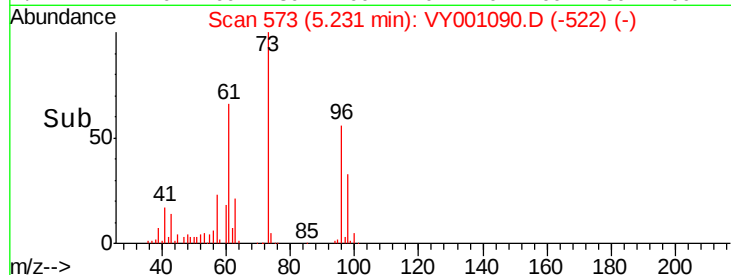
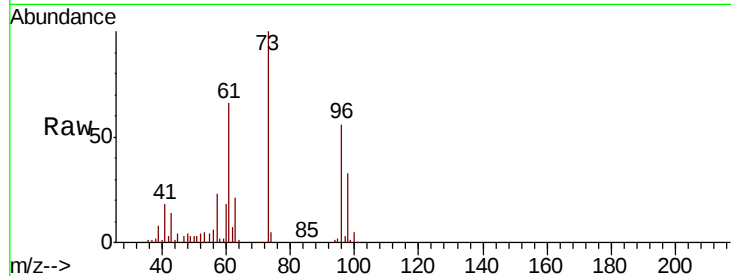
98 59.5 47.2 70.8

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#22

Diisopropyl ether

Concen: 20.422 ug/l

RT: 6.13 min Scan# 720

Delta R.T. 0.00 min

Lab File: VY001090.D

Acq: 27 Dec 2019 12:25

Tgt Ion: 45 Resp: 220671

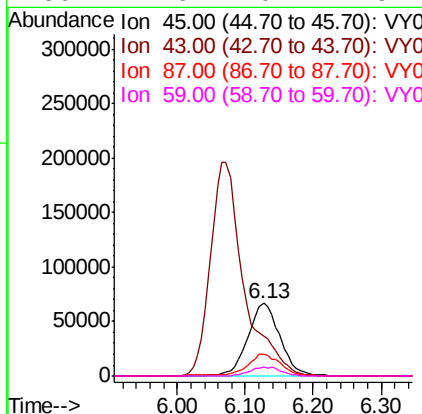
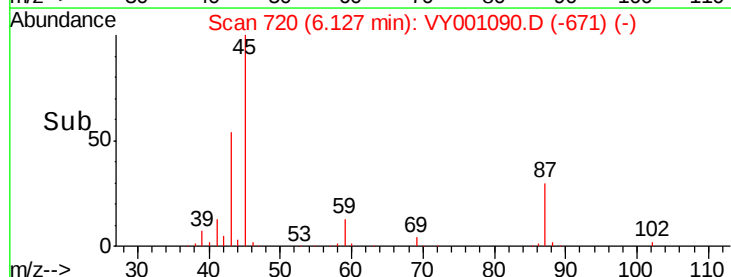
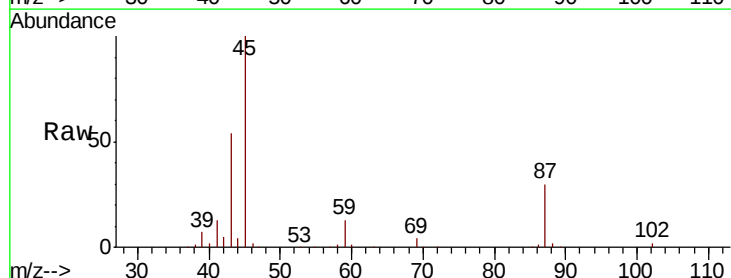
Ion Ratio Lower Upper

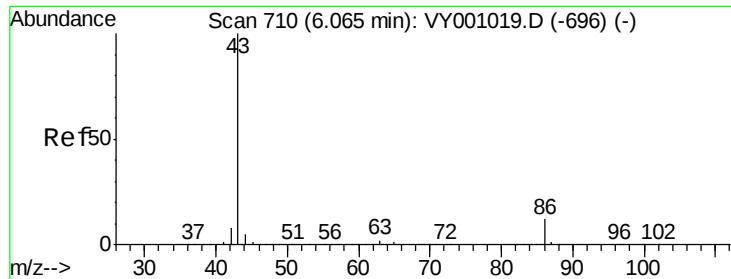
45 100

43 53.5 43.6 65.4

87 29.3 23.1 34.7

59 12.6 10.2 15.4





#23

Vinyl Acetate

Concen: 98.494 ug/l

RT: 6.07 min Scan# 710

Delta R.T. 0.00 min

Lab File: VY001090.D

Acq: 27 Dec 2019 12:25

Instrument :

MSVOA_Y

ClientSampleId :

VY1227SBS01

Tot Ion: 43 Resp: 672155

Ion Ratio Lower Upper

43 100

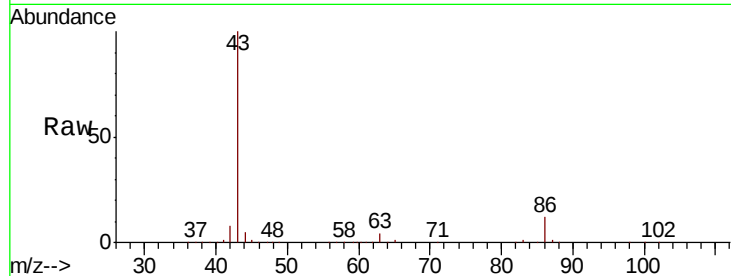
86 12.1 9.5 14.3

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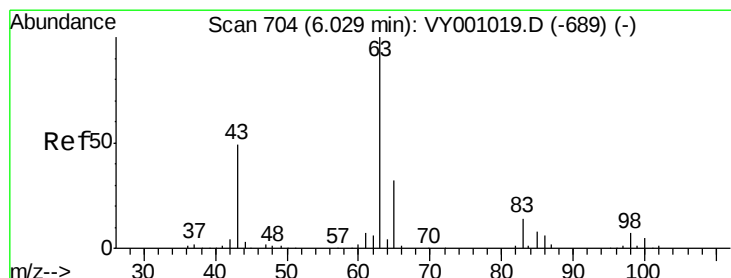
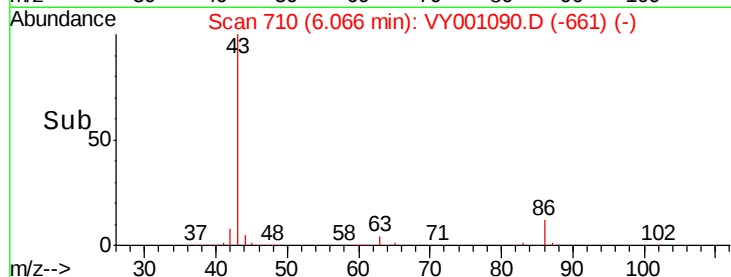
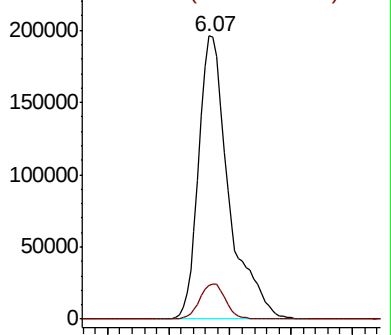
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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0



#24

1,1-Dichloroethane

Concen: 20.482 ug/l

RT: 6.03 min Scan# 704

Delta R.T. 0.00 min

Lab File: VY001090.D

Acq: 27 Dec 2019 12:25

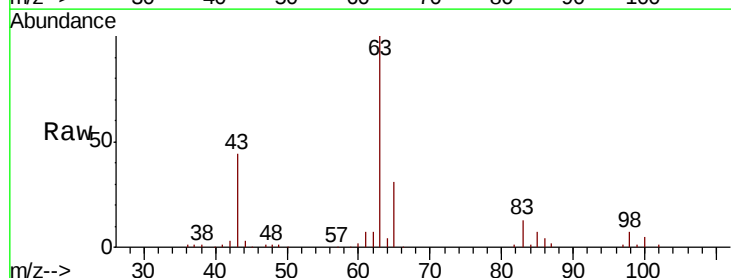
Tgt Ion: 63 Resp: 130790

Ion Ratio Lower Upper

63 100

98 7.0 3.8 11.2

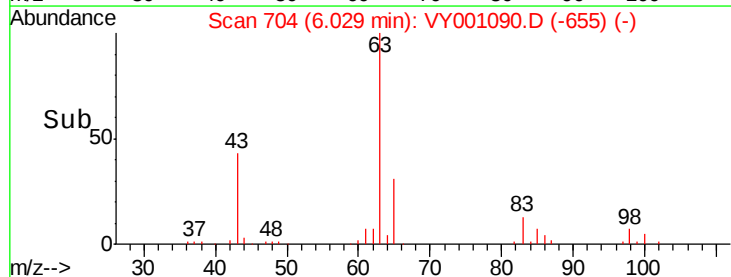
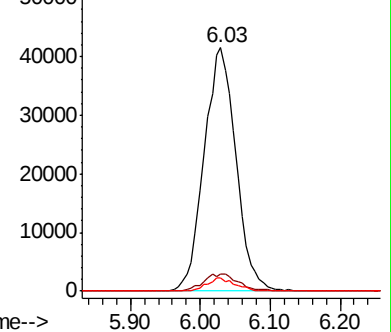
100 5.3 2.5 7.5

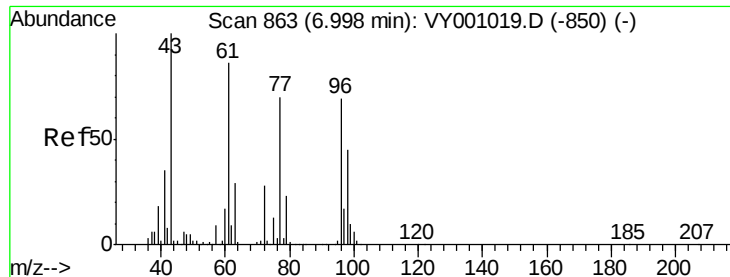


Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0





#25

2-Butanone

Concen: 99.585 ug/l

RT: 6.99 min Scan# 862

Delta R.T. -0.01 min

Lab File: VY001090.D

Acq: 27 Dec 2019 12:25

Instrument :

MSVOA_Y

ClientSampleId :

VY1227SBS01

Tot Ion: 43 Resp: 121763

Ion Ratio Lower Upper

43 100

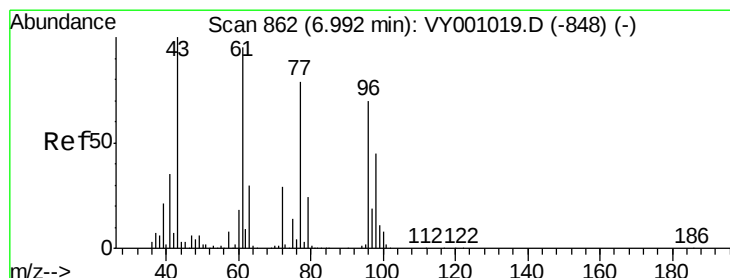
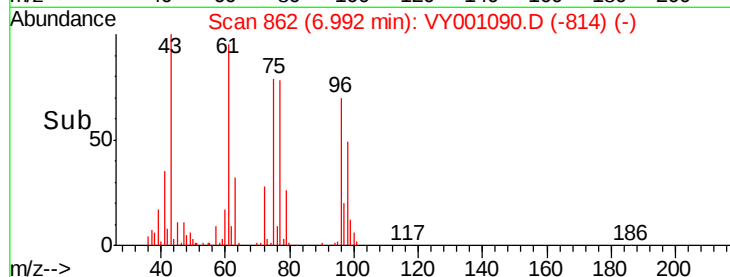
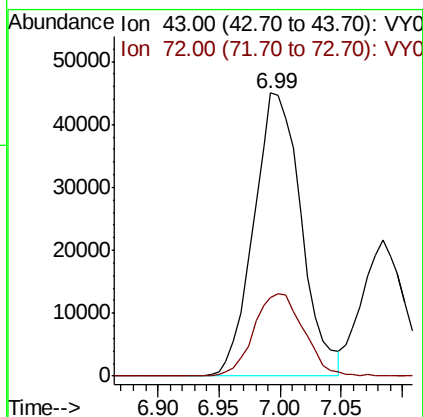
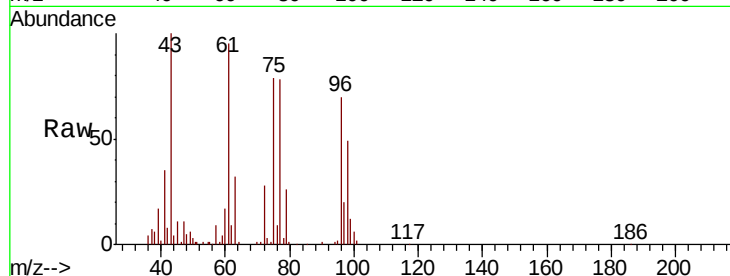
72 27.9 22.4 33.6

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 20.307 ug/l

RT: 6.99 min Scan# 862

Delta R.T. 0.00 min

Lab File: VY001090.D

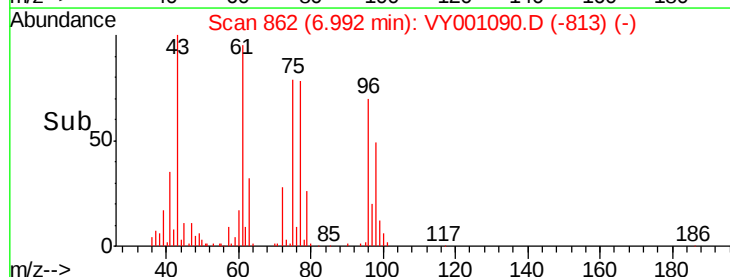
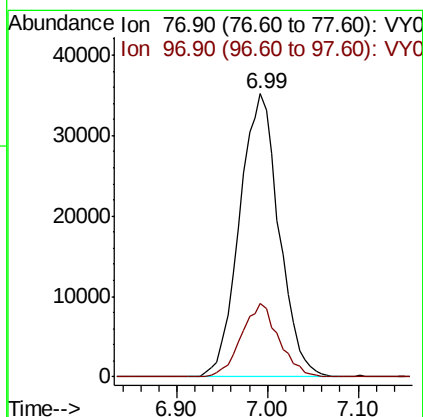
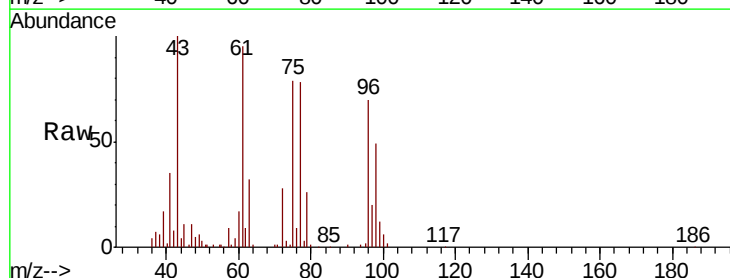
Acq: 27 Dec 2019 12:25

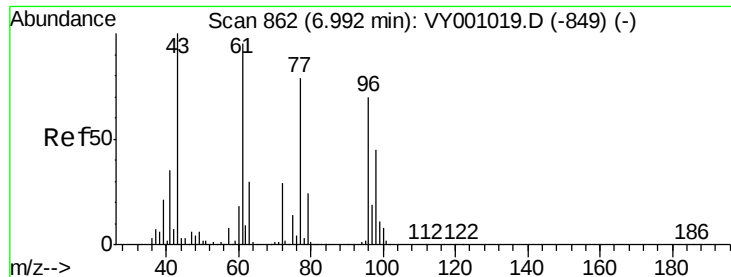
Tgt Ion: 77 Resp: 106537

Ion Ratio Lower Upper

77 100

97 24.5 12.0 36.1





#27

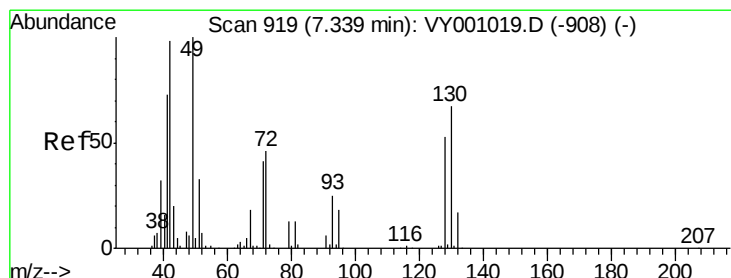
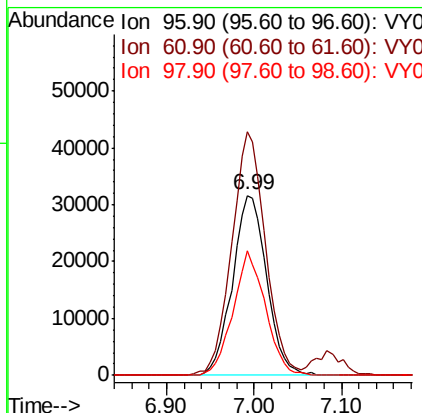
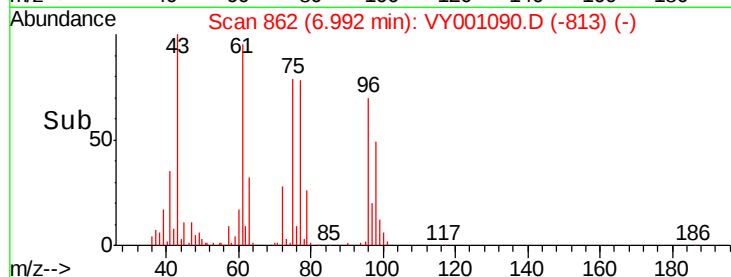
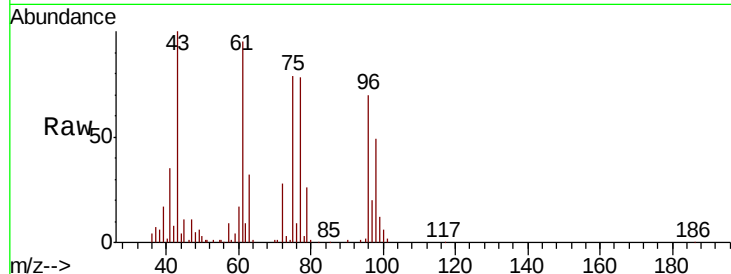
cis-1,2-Dichloroethene
Concen: 20.485 ug/l
RT: 6.99 min Scan# 862
Delta R.T. 0.00 min
Lab File: VY001090.D
Acq: 27 Dec 2019 12:25

Instrument :
MSVOA_Y
ClientSampleId :
VY1227SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	133.4	0.0	268.2	
98	65.5	0.0	129.2	

Manual Integrations
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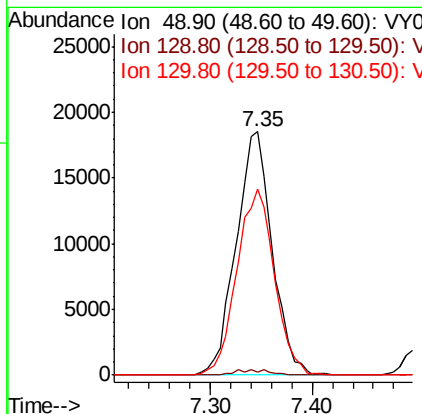
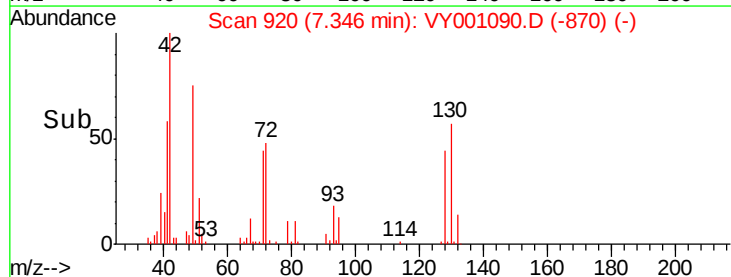
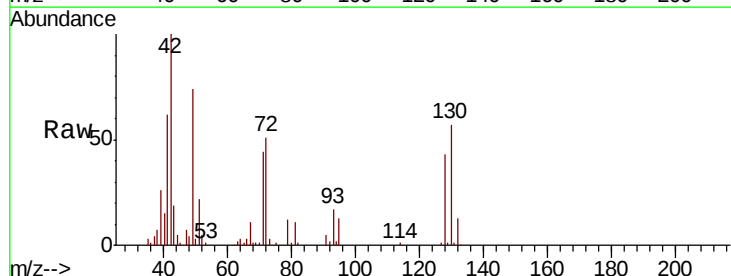
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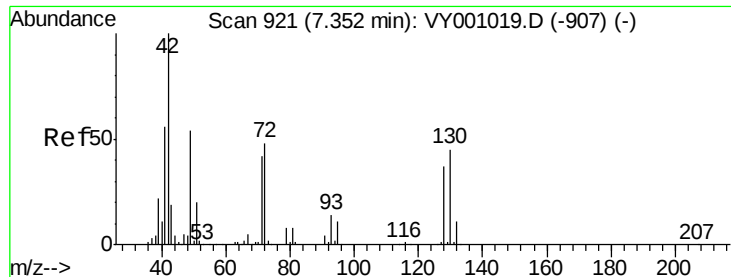


#28

Bromochloromethane
Concen: 18.265 ug/l
RT: 7.35 min Scan# 920
Delta R.T. 0.01 min
Lab File: VY001090.D
Acq: 27 Dec 2019 12:25

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	0.8	0.0	3.8	
130	79.3	60.4	90.6	





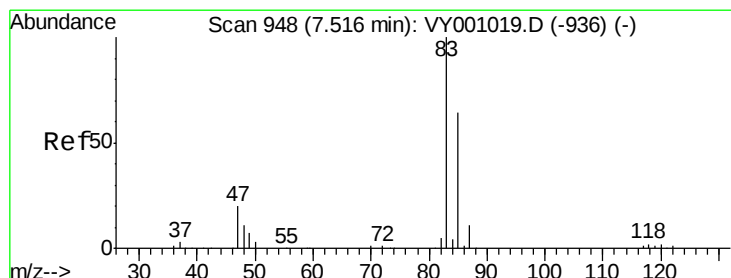
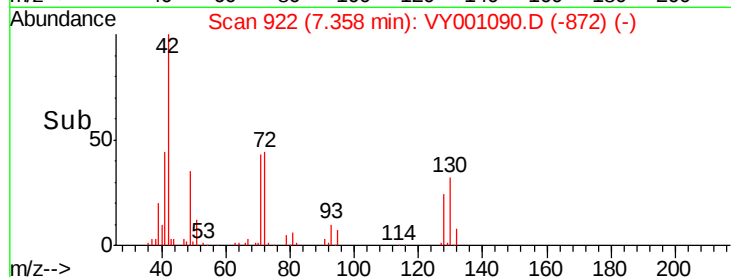
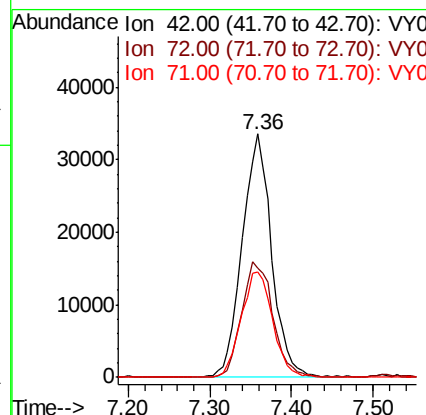
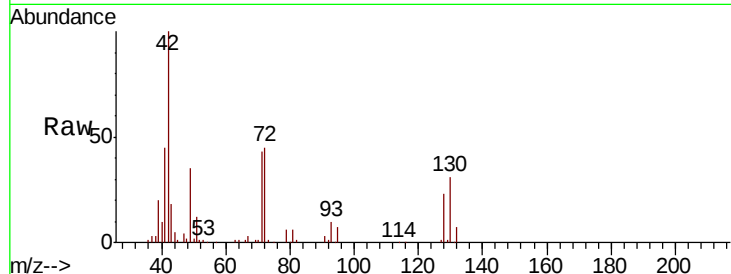
#29
Tetrahydrofuran
Concen: 96.527 ug/l
RT: 7.36 min Scan# 922
Delta R.T. 0.01 min
Lab File: VY001090.D
Acq: 27 Dec 2019 12:25

Instrument :
MSVOA_Y
ClientSampleId :
VY1227SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	50.2	37.7	56.5
71	46.2	34.6	51.8

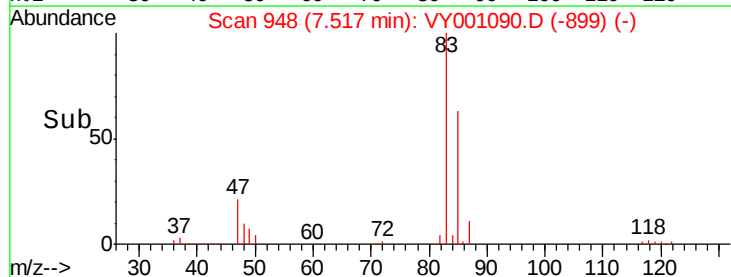
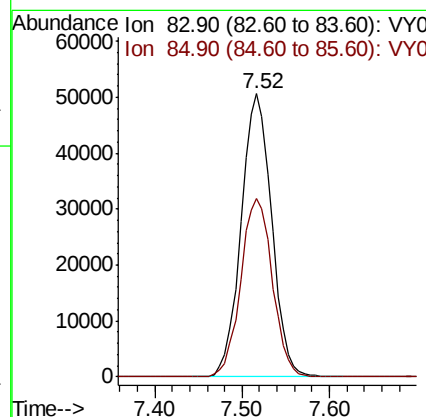
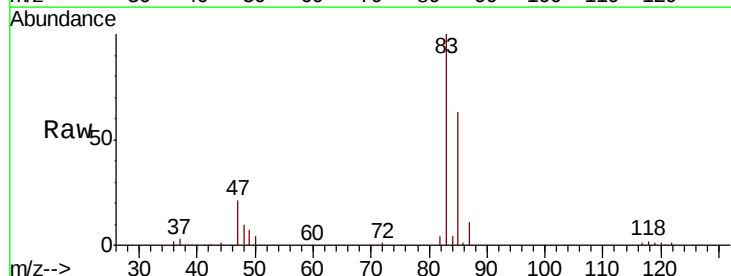
Manual Integrations
APPROVED

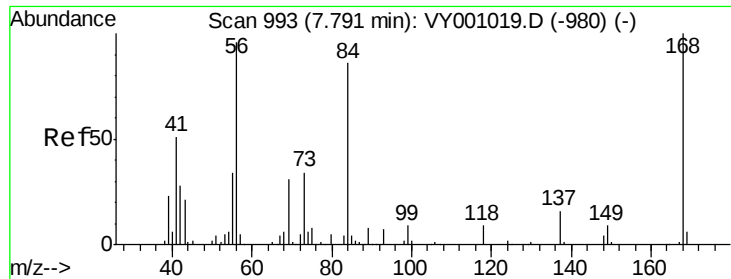
apatel
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#30
Chloroform
Concen: 20.272 ug/l
RT: 7.52 min Scan# 948
Delta R.T. 0.00 min
Lab File: VY001090.D
Acq: 27 Dec 2019 12:25

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.9	51.6	77.4





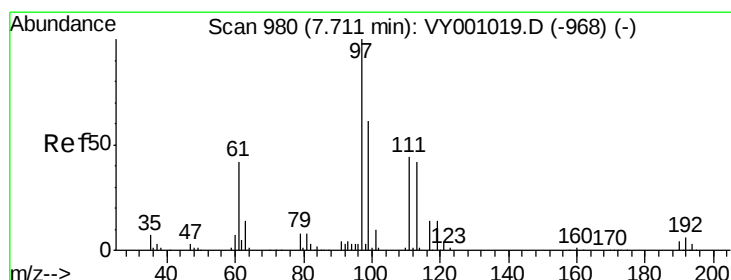
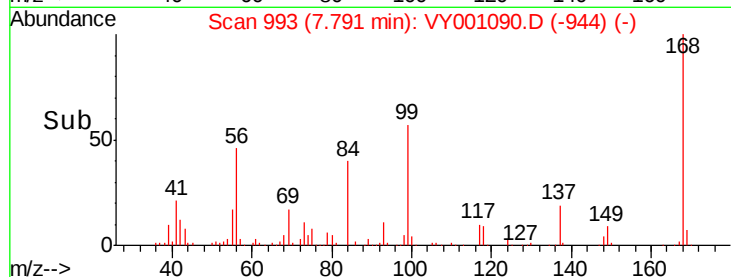
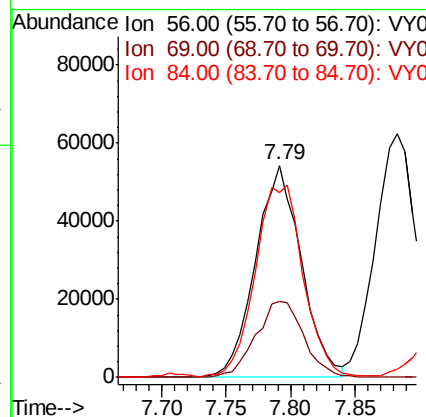
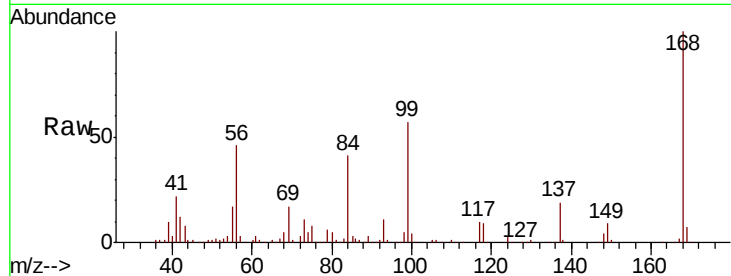
#31
Cyclohexane
Concen: 19.904 ug/l
RT: 7.79 min Scan# 993
Delta R.T. 0.00 min
Lab File: VY001090.D
Acq: 27 Dec 2019 12:25

Instrument :
MSVOA_Y
ClientSampleId :
VY1227SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.1	26.1	39.1
84	86.6	71.8	107.8

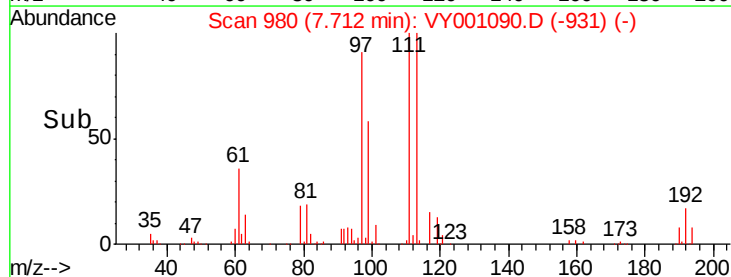
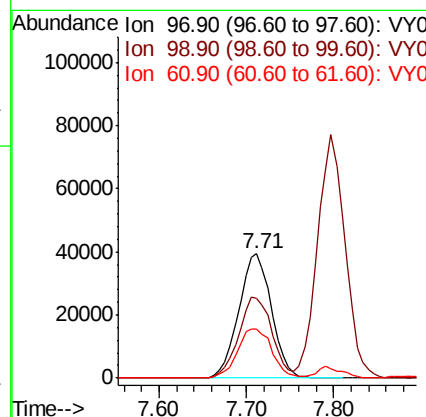
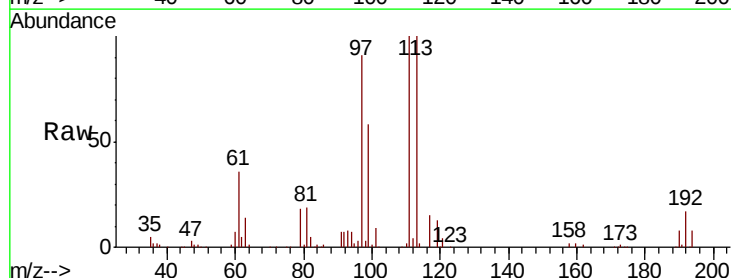
Manual Integrations
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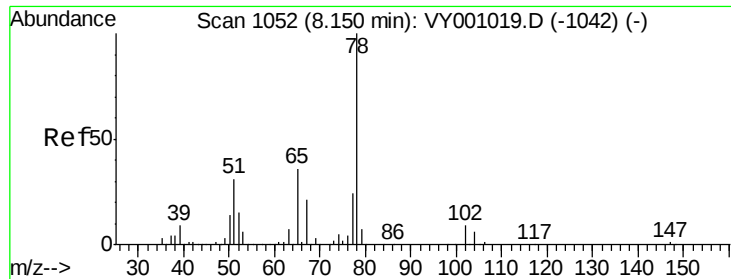
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#32
1,1,1-Trichloroethane
Concen: 19.900 ug/l
RT: 7.71 min Scan# 980
Delta R.T. 0.00 min
Lab File: VY001090.D
Acq: 27 Dec 2019 12:25

Tgt Ion	Ratio	Lower	Upper
97	100		
99	66.1	50.6	76.0
61	41.5	33.0	49.6





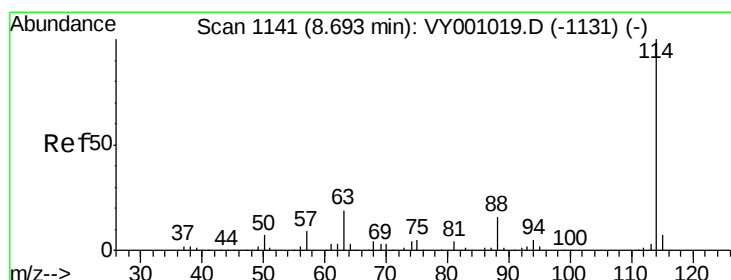
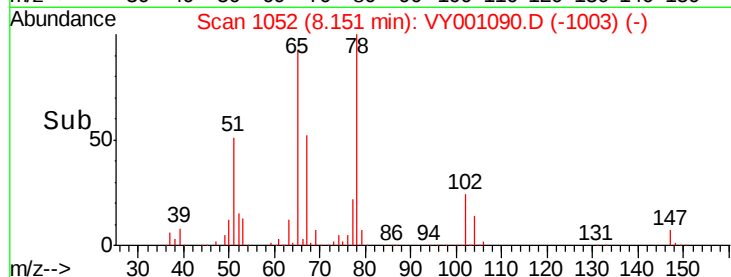
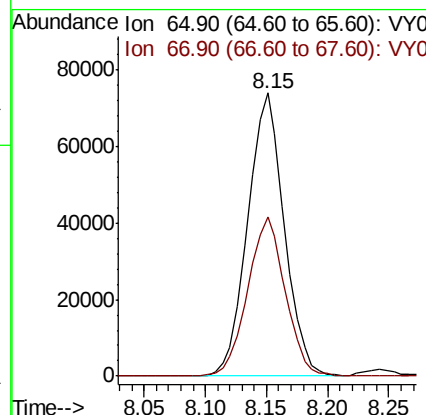
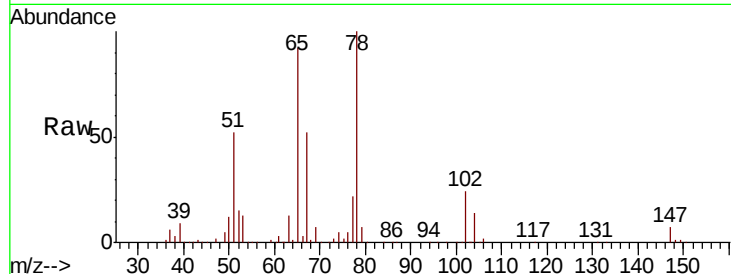
#33
 1,2-Dichloroethane-d4
 Concen: 50.916 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. 0.00 min
 Lab File: VY001090.D
 Acq: 27 Dec 2019 12:25

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1227SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	57.7	0.0	112.8	

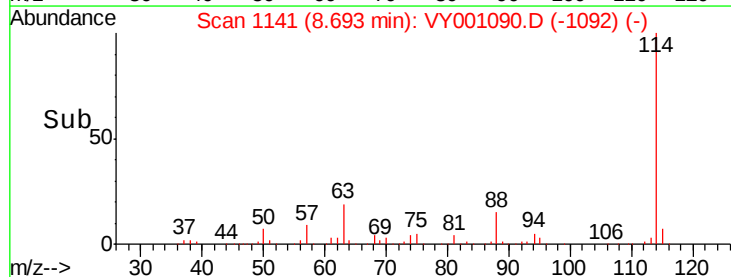
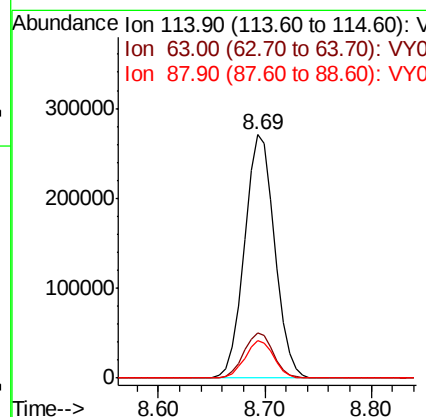
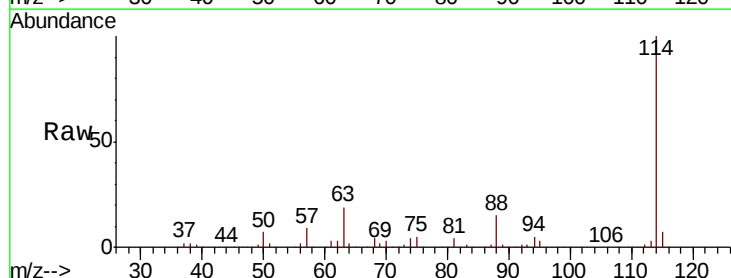
Manual Integrations
 APPROVED

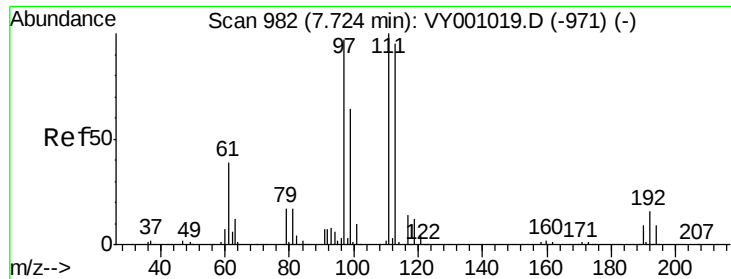
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. 0.00 min
 Lab File: VY001090.D
 Acq: 27 Dec 2019 12:25

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	18.6	0.0	37.0	
88	15.3	0.0	32.0	





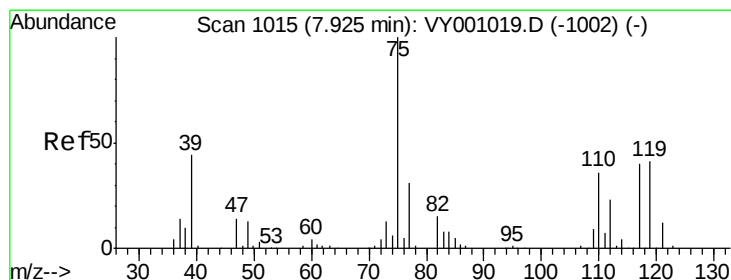
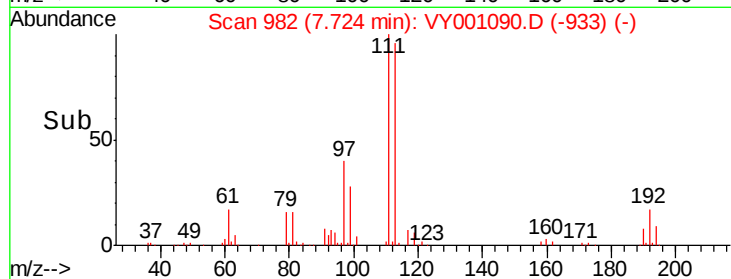
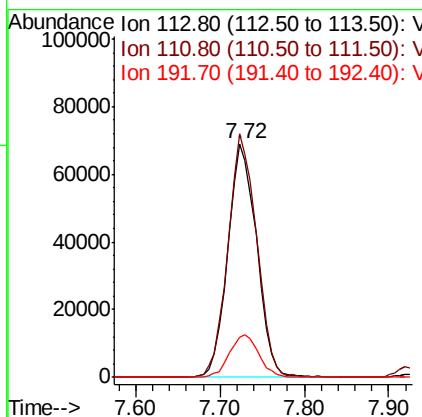
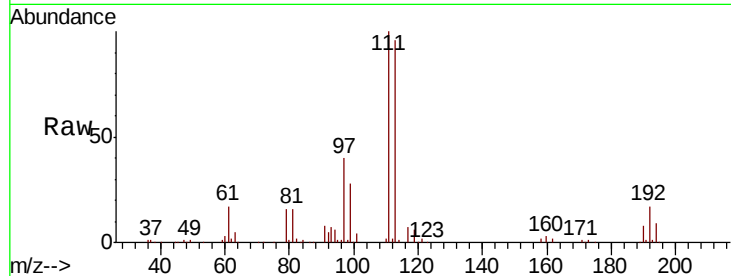
#35
Dibromofluoromethane
Concen: 50.526 ug/l
RT: 7.72 min Scan# 982
Delta R.T. 0.00 min
Lab File: VY001090.D
Acq: 27 Dec 2019 12:25

Instrument :
MSVOA_Y
ClientSampleId :
VY1227SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	159995		
111	103.9	83.0	124.4	
192	18.5	14.6	21.8	

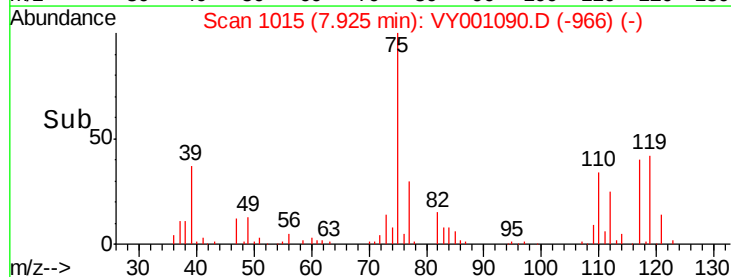
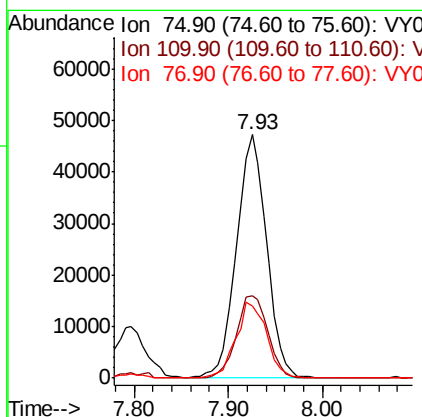
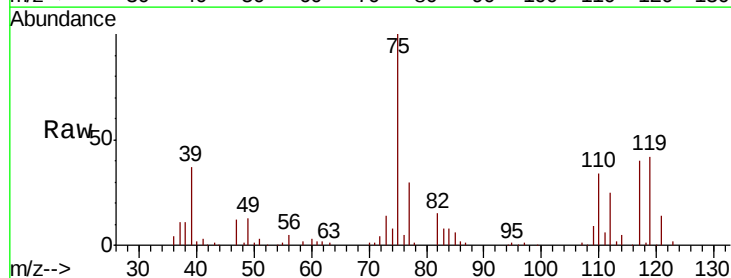
Manual Integrations
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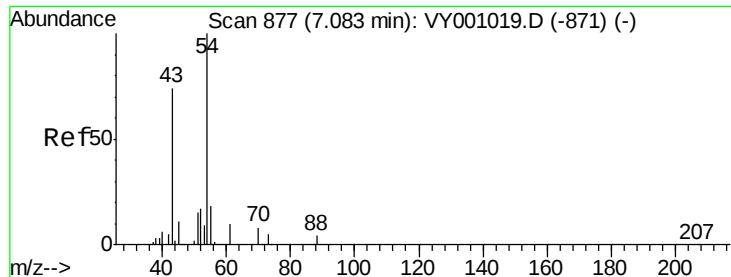
apatel
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#36
1,1-Dichloropropene
Concen: 20.608 ug/l
RT: 7.93 min Scan# 1015
Delta R.T. 0.00 min
Lab File: VY001090.D
Acq: 27 Dec 2019 12:25

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	105723		
110	35.3	18.1	54.4	
77	31.7	24.6	37.0	





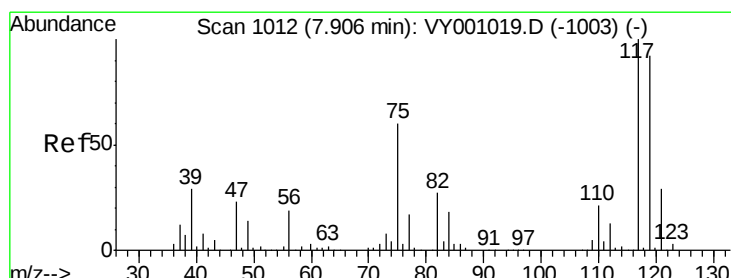
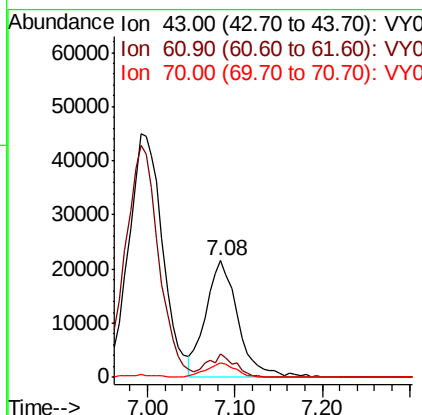
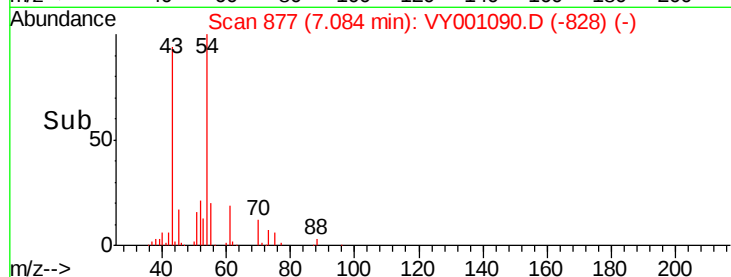
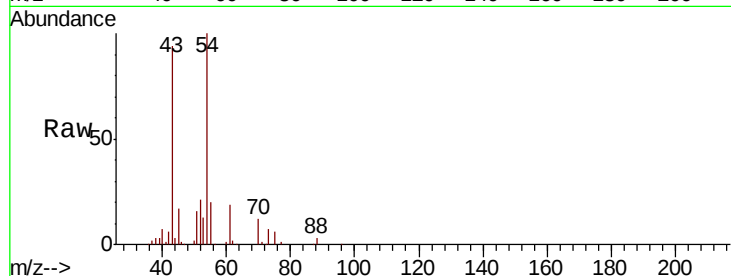
#37
Ethyl Acetate
Concen: 19.600 ug/l
RT: 7.08 min Scan# 877
Delta R.T. 0.00 min
Lab File: VY001090.D
Acq: 27 Dec 2019 12:25

Instrument :
MSVOA_Y
ClientSampleId :
VY1227SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.9	12.5	18.7
70	11.4	9.0	13.4

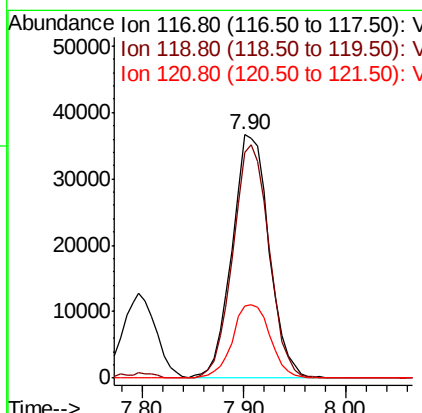
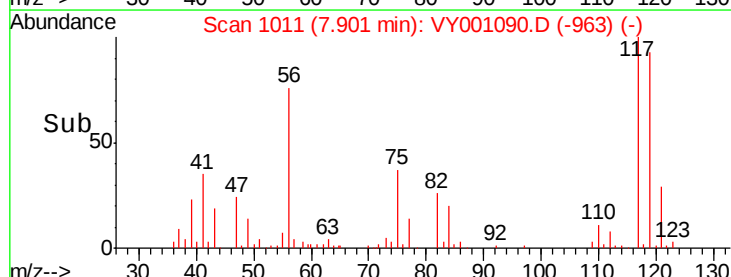
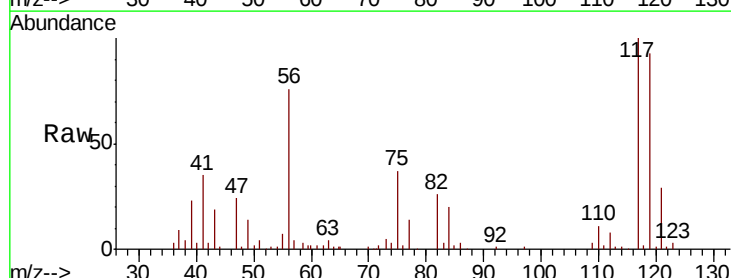
Manual Integrations
APPROVED

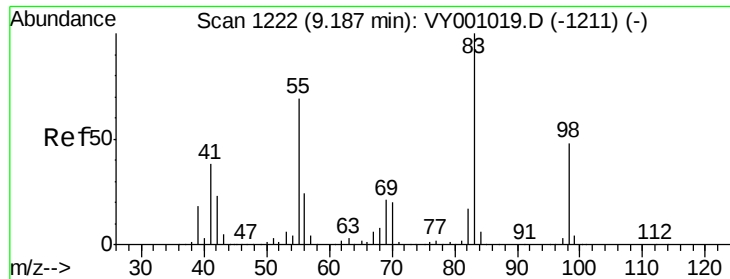
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#38
Carbon Tetrachloride
Concen: 20.512 ug/l
RT: 7.90 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VY001090.D
Acq: 27 Dec 2019 12:25

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.9	74.2	111.2
121	29.5	22.9	34.3





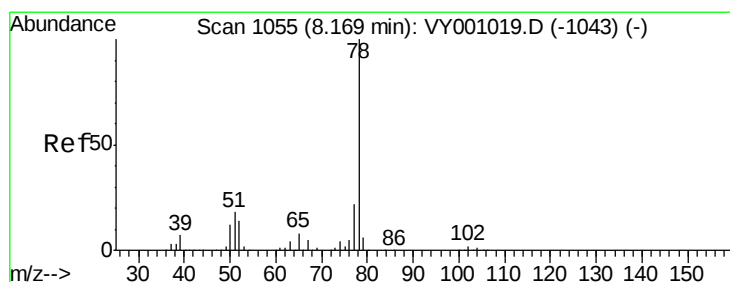
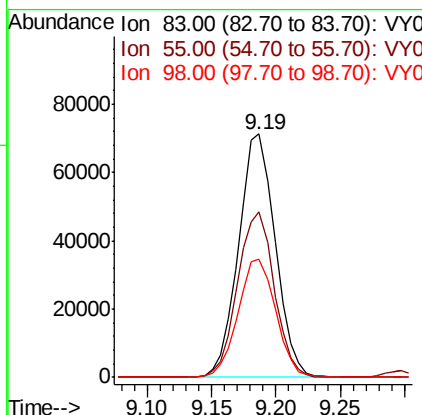
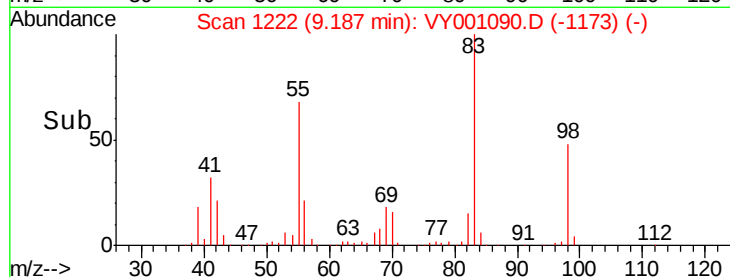
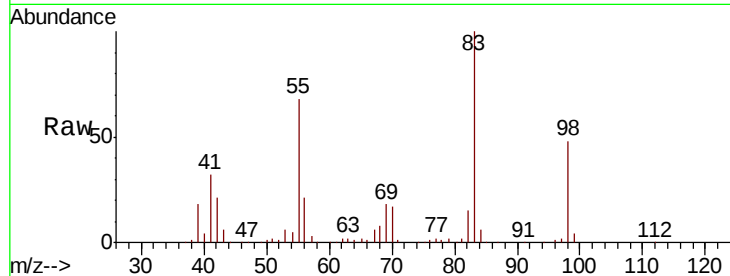
#39
Methvlcvclohexane
Concen: 20.706 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. 0.00 min
Lab File: VY001090.D
Acq: 27 Dec 2019 12:25

Instrument :
MSVOA_Y
ClientSampleId :
VY1227SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	67.8	55.1	82.7
98	48.3	38.3	57.5

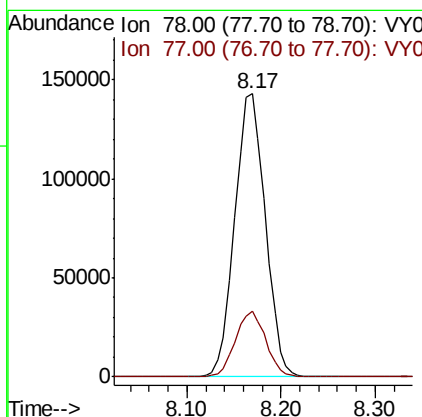
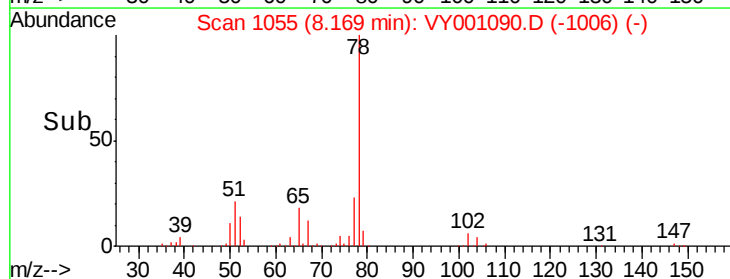
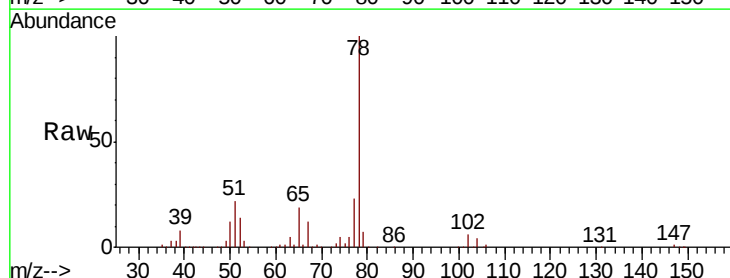
Manual Integrations
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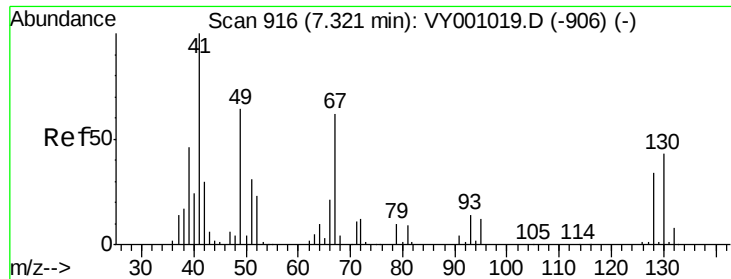
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#40
Benzene
Concen: 20.814 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. 0.00 min
Lab File: VY001090.D
Acq: 27 Dec 2019 12:25

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.1	17.7	26.5





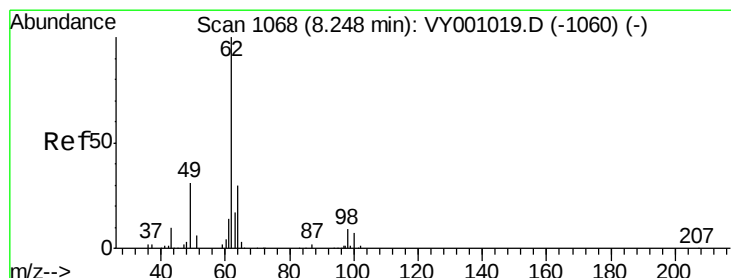
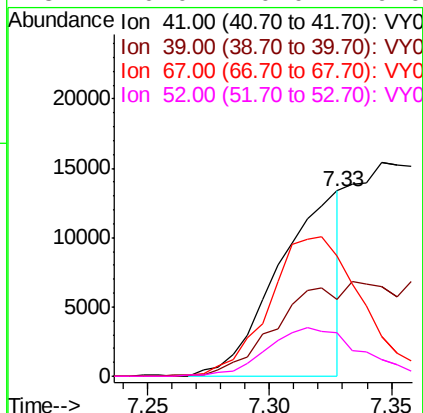
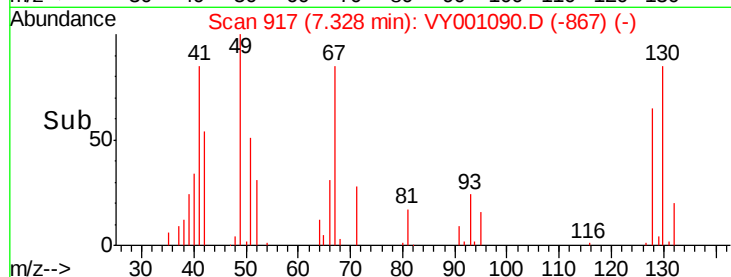
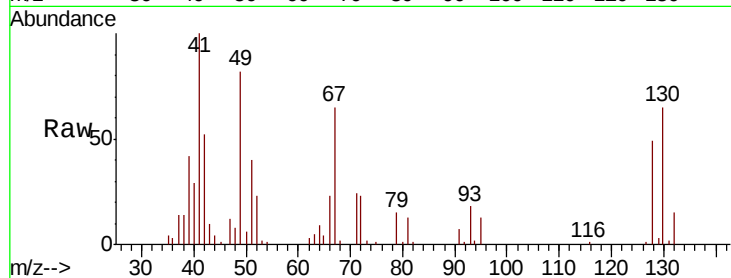
#41
Methacrylonitrile
Concen: 19.590 ug/l m
RT: 7.33 min Scan# 917
Delta R.T. 0.01 min
Lab File: VY001090.D
Acq: 27 Dec 2019 12:25

Instrument :
MSVOA_Y
ClientSampleId :
VY1227SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	126.5	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

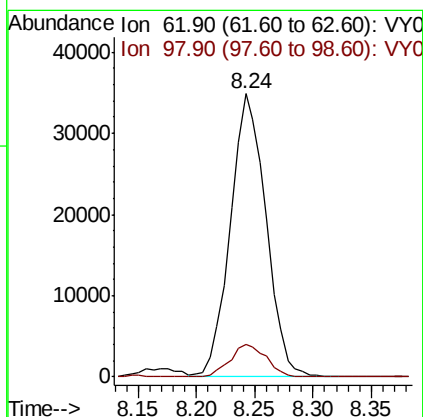
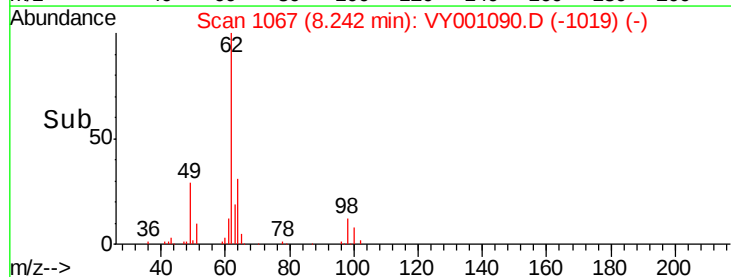
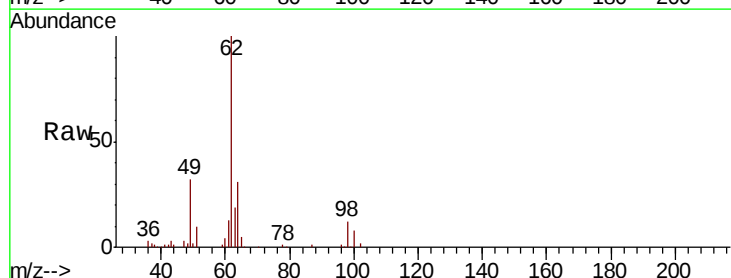
Manual Integrations
APPROVED

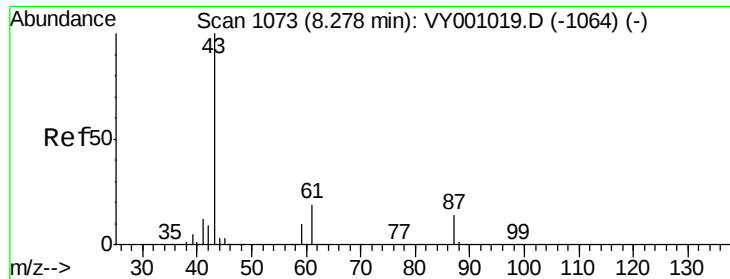
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#42
1,2-Dichloroethane
Concen: 20.106 ug/l
RT: 8.24 min Scan# 1067
Delta R.T. -0.01 min
Lab File: VY001090.D
Acq: 27 Dec 2019 12:25

Tgt Ion	Ratio	Lower	Upper
62	100		
98	11.6	0.0	23.4





#43

Isopropyl Acetate

Concen: 19.055 ug/l

RT: 8.28 min Scan# 1073

Delta R.T. 0.00 min

Lab File: VY001090.D

Acq: 27 Dec 2019 12:25

Instrument :

MSVOA_Y

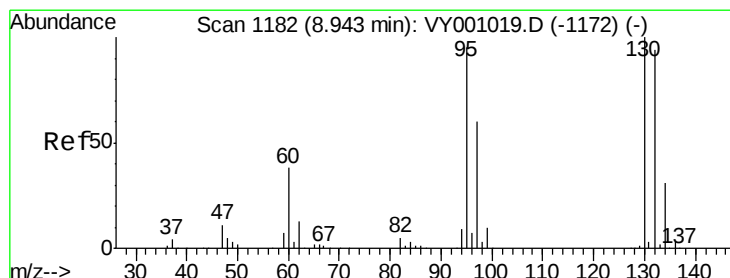
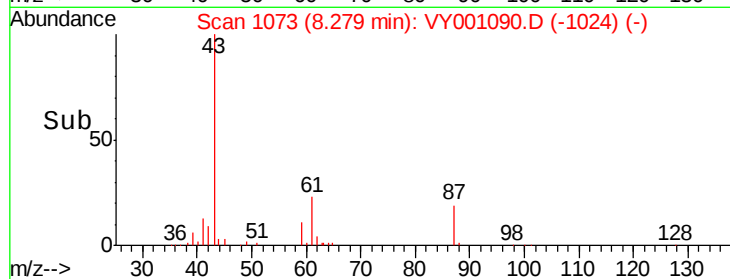
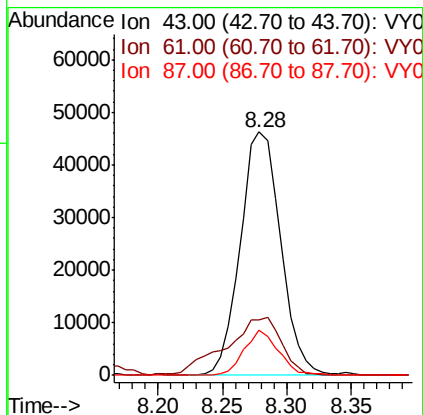
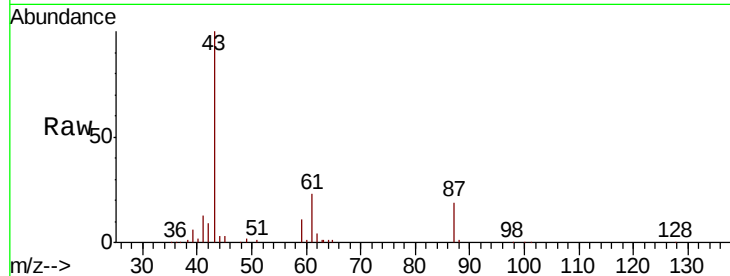
ClientSampleId :

VY1227SBS01

Tot Ion:	43	Resp:	100199
Ion	Ratio	Lower	Upper
43	100		
61	33.1	25.0	37.6
87	15.9	12.0	18.0

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#44

Trichloroethene

Concen: 20.856 ug/l

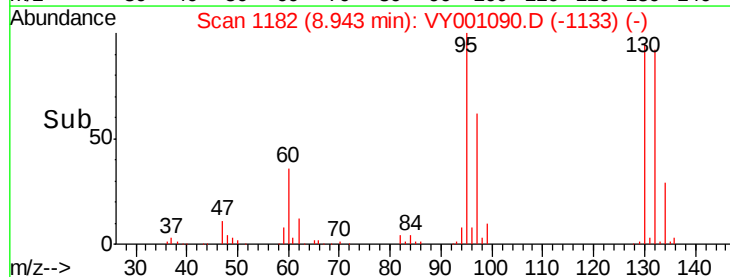
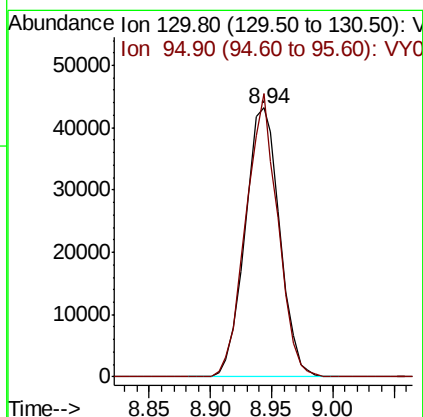
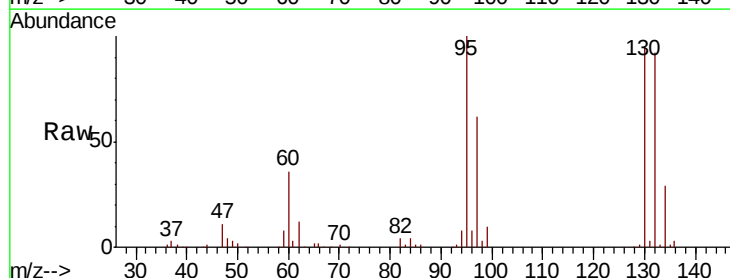
RT: 8.94 min Scan# 1182

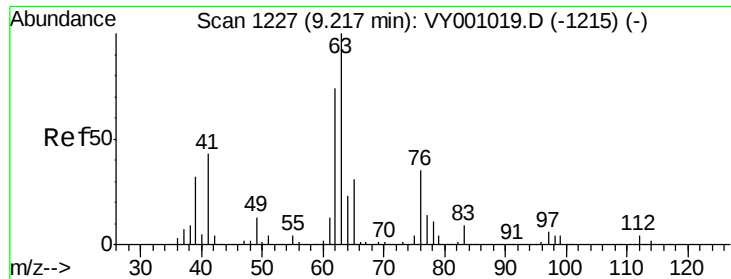
Delta R.T. 0.00 min

Lab File: VY001090.D

Acq: 27 Dec 2019 12:25

Tgt Ion:	130	Resp:	85047
Ion	Ratio	Lower	Upper
130	100		
95	105.3	0.0	190.6





#45

1,2-Dichloropropane

Concen: 20.116 ug/l

RT: 9.22 min Scan# 1227

Delta R.T. 0.00 min

Lab File: VY001090.D

Acq: 27 Dec 2019 12:25

Instrument :

MSVOA_Y

ClientSampleId :

VY1227SBS01

Tot Ion: 63 Resp: 78102

Ion Ratio Lower Upper

63 100

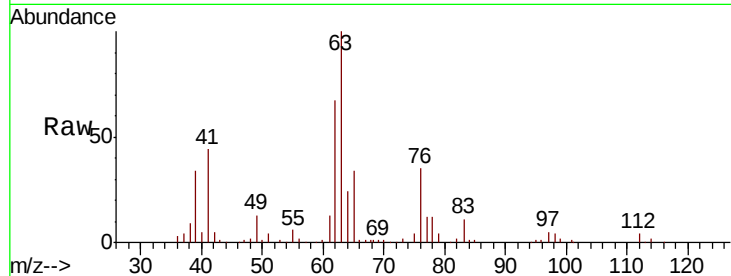
65 34.1 25.1 37.7

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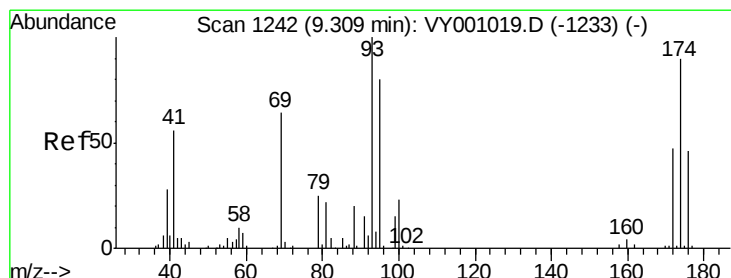
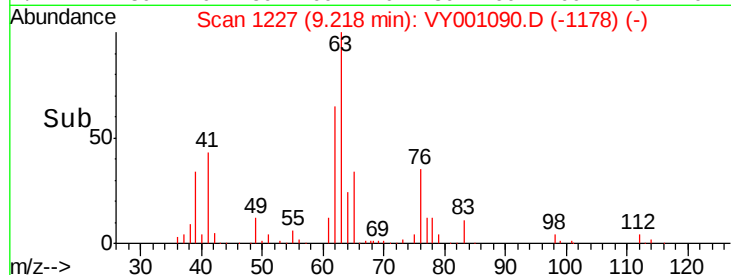
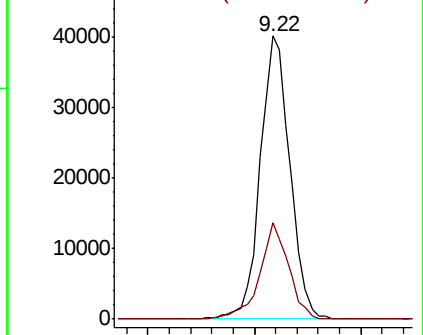
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Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 64.90 (64.60 to 65.60): VY0



#46

Dibromomethane

Concen: 20.354 ug/l

RT: 9.31 min Scan# 1242

Delta R.T. 0.00 min

Lab File: VY001090.D

Acq: 27 Dec 2019 12:25

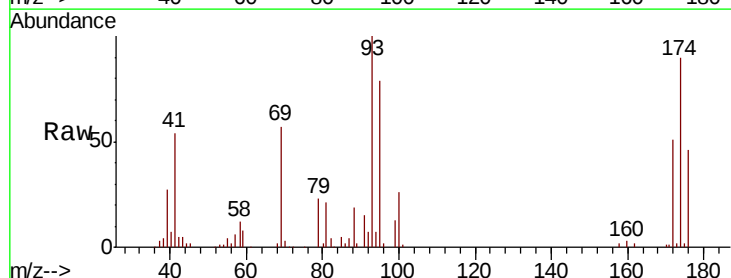
Tgt Ion: 93 Resp: 40737

Ion Ratio Lower Upper

93 100

95 82.7 66.7 100.1

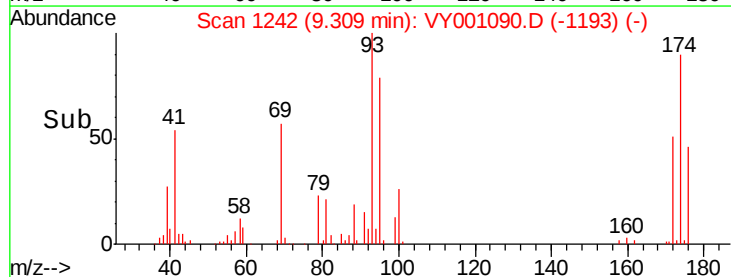
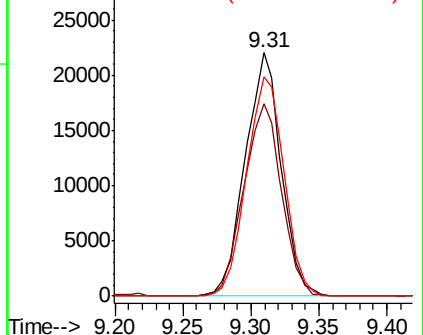
174 94.0 73.6 110.4

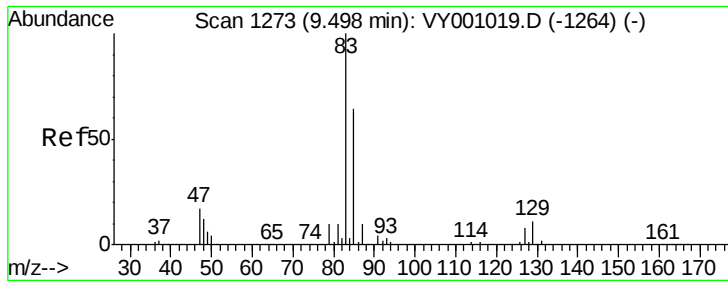


Abundance Ion 92.80 (92.50 to 93.50): VY0

Ion 94.80 (94.50 to 95.50): VY0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 19.878 ug/l

RT: 9.50 min Scan# 1273

Delta R.T. 0.00 min

Lab File: VY001090.D

Acq: 27 Dec 2019 12:25

Instrument :

MSVOA_Y

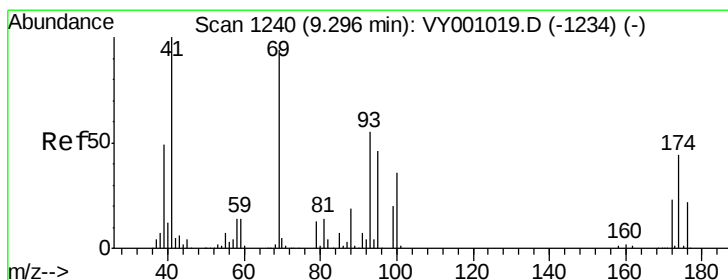
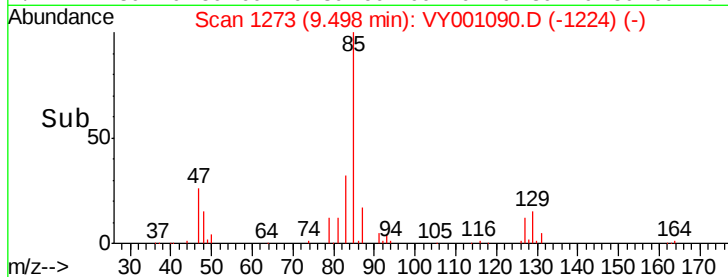
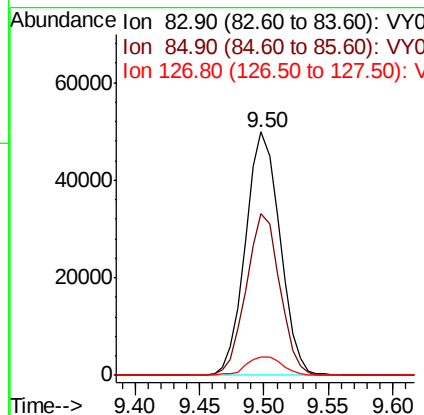
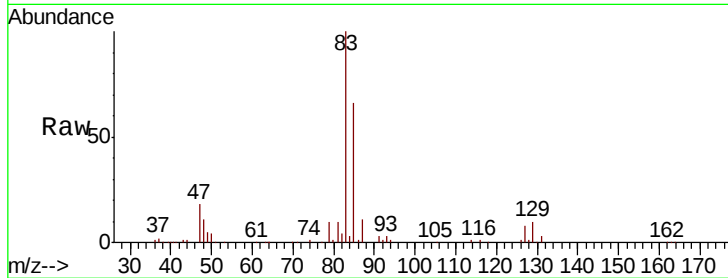
ClientSampleId :

VY1227SBS01

Tot Ion:	83	Resp:	92158
Ion Ratio	Lower	Upper	
83	100		
85	66.3	50.9	76.3
127	7.8	6.4	9.6

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#48

Methyl methacrylate

Concen: 18.499 ug/l

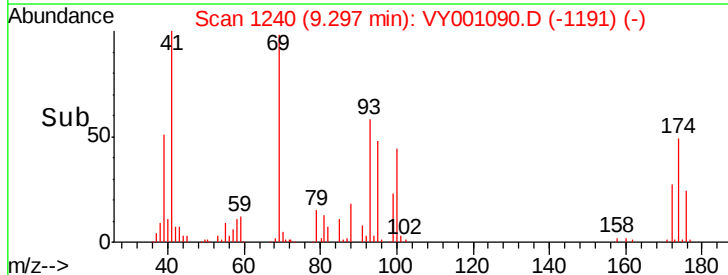
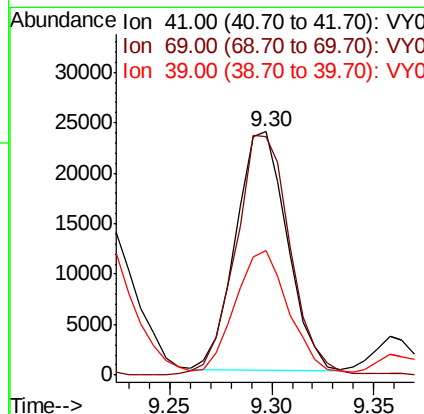
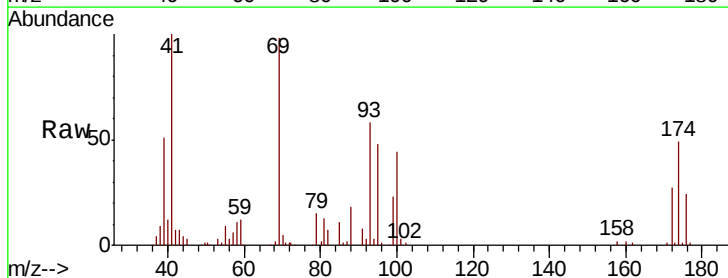
RT: 9.30 min Scan# 1240

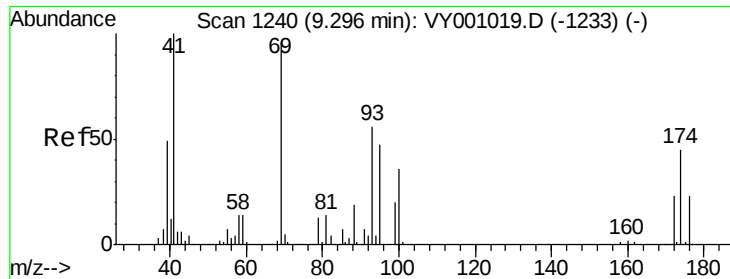
Delta R.T. 0.00 min

Lab File: VY001090.D

Acq: 27 Dec 2019 12:25

Tgt Ion:	41	Resp:	41511
Ion Ratio	Lower	Upper	
41	100		
69	106.3	79.8	119.6
39	55.2	41.7	62.5





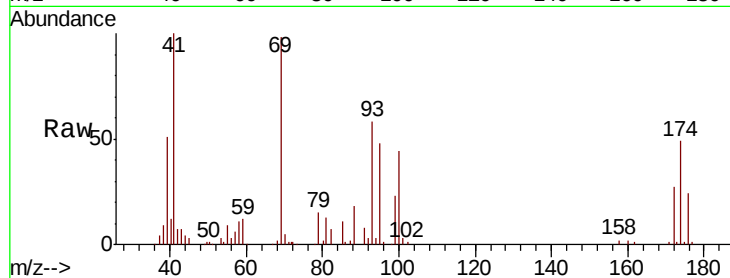
#49
1,4-Dioxane
Concen: 395.243 ug/l
RT: 9.30 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VY001090.D
Acq: 27 Dec 2019 12:25

Instrument :
MSVOA_Y
ClientSampleId :
VY1227SBS01

Tot Ion	88	Resp	11572
Ion	Ratio	Lower	Upper
88	100		
43	28.2	23.0	34.4
58	67.7	54.9	82.3

Manual Integrations
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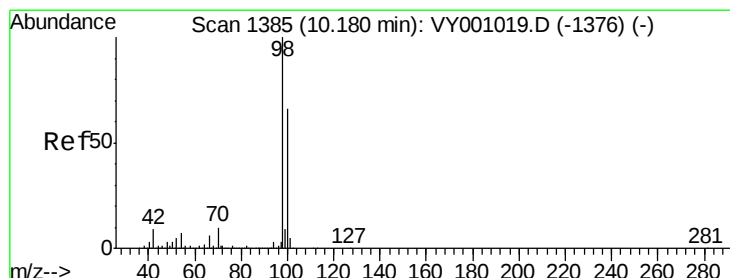
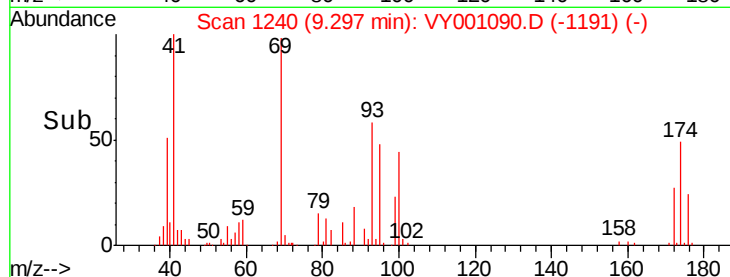
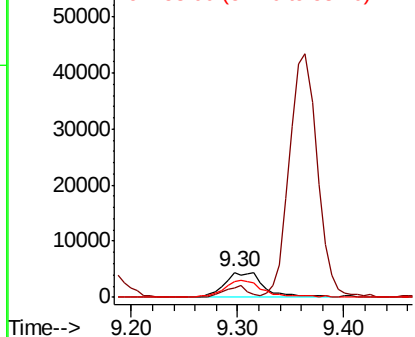


Abundance

Ion 88.00 (87.70 to 88.70): VY0

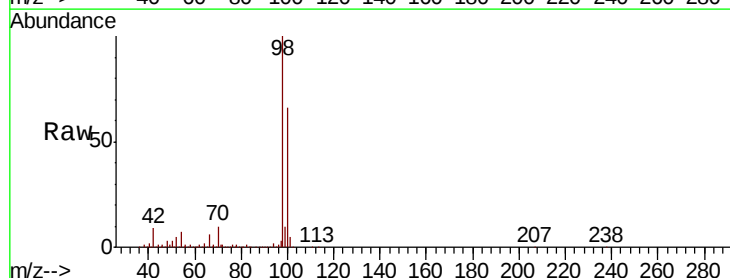
Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#50
Toluene-d8
Concen: 54.198 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VY001090.D
Acq: 27 Dec 2019 12:25

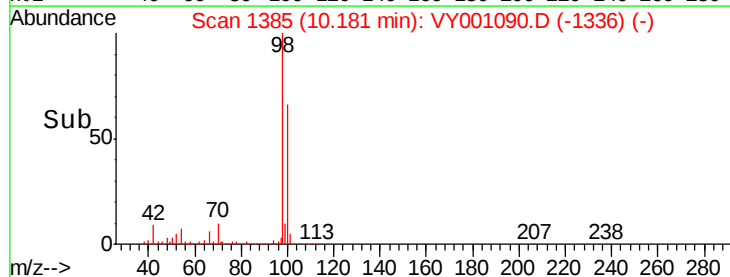
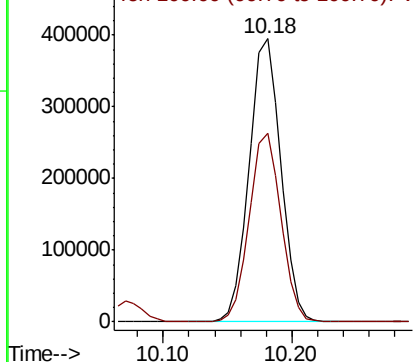
Tgt Ion	98	Resp	670706
Ion	Ratio	Lower	Upper
98	100		
100	66.5	53.0	79.4

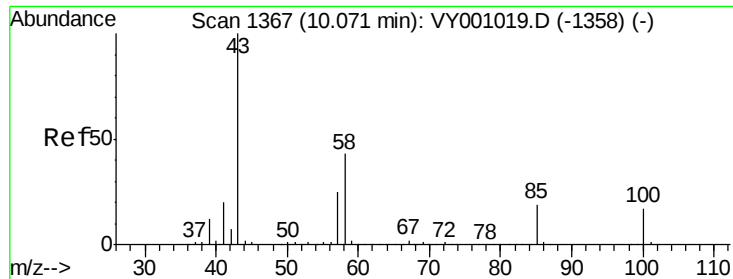


Abundance

Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY0





#51

4-Methyl-2-Pentanone

Concen: 97.516 ug/l

RT: 10.07 min Scan# 1367

Delta R.T. 0.00 min

Lab File: VY001090.D

Acq: 27 Dec 2019 12:25

Instrument :

MSVOA_Y

ClientSampleId :

VY1227SBS01

Tot Ion: 43 Resp: 267270

Ion Ratio Lower Upper

43 100

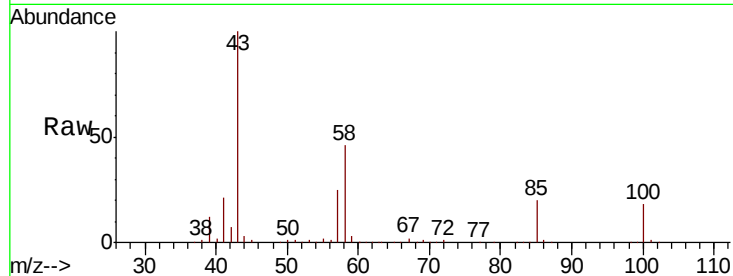
58 44.7 34.6 52.0

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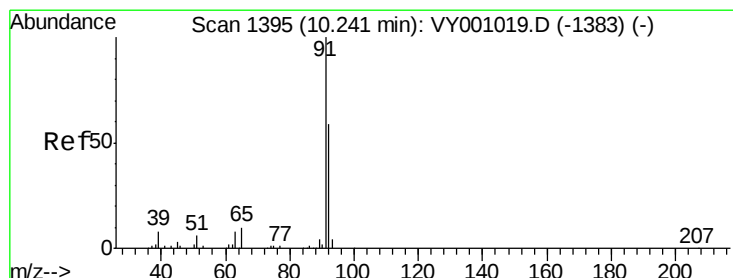
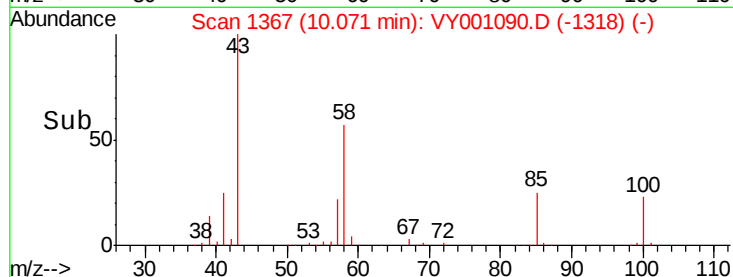
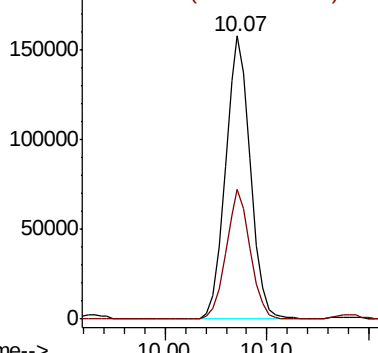
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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#52

Toluene

Concen: 20.525 ug/l

RT: 10.24 min Scan# 1395

Delta R.T. 0.00 min

Lab File: VY001090.D

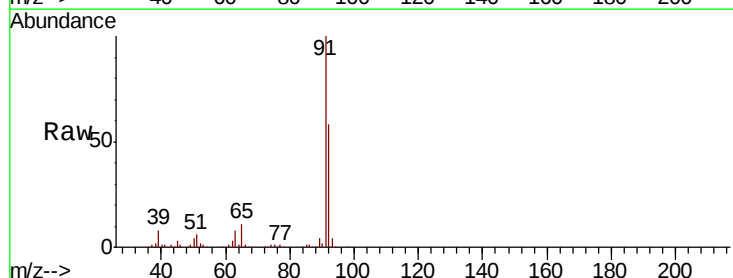
Acq: 27 Dec 2019 12:25

Tgt Ion: 92 Resp: 195522

Ion Ratio Lower Upper

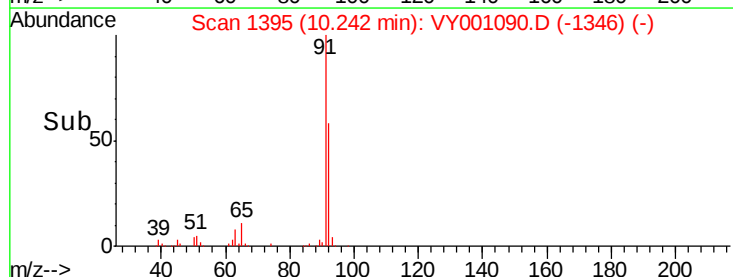
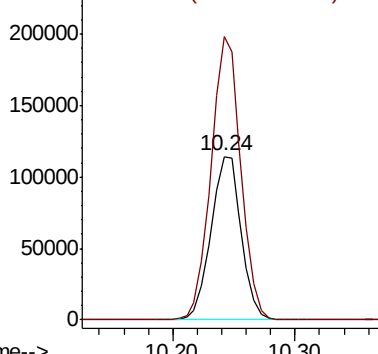
92 100

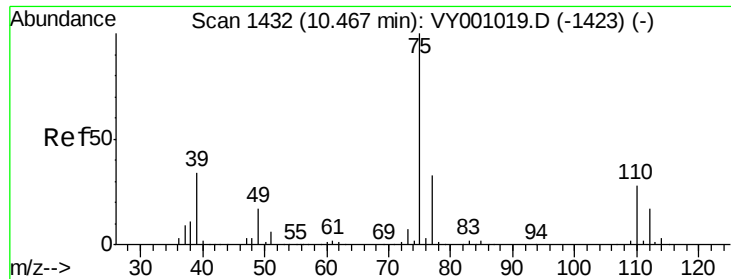
91 170.5 135.7 203.5



Abundance Ion 92.00 (91.70 to 92.70): VY0

Ion 91.00 (90.70 to 91.70): VY0





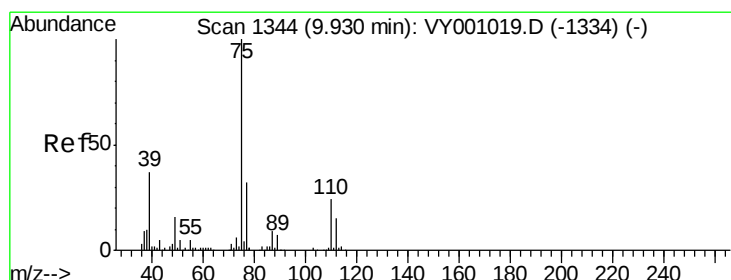
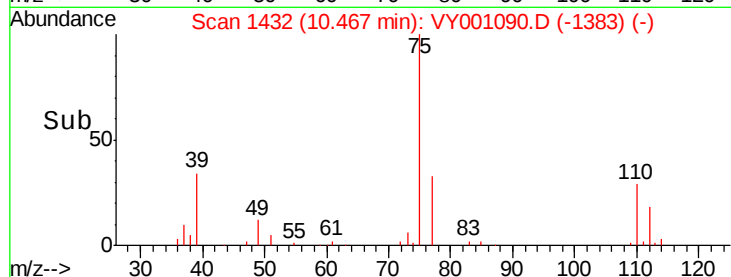
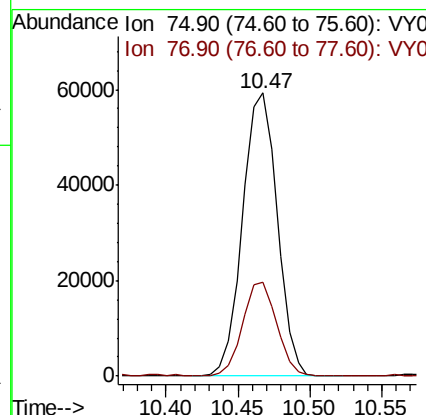
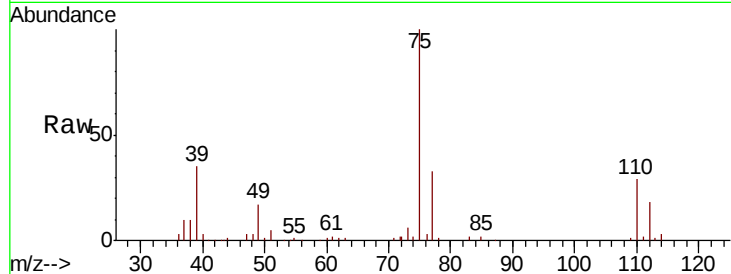
#53
t-1,3-Dichloropropene
Concen: 19.688 ug/l
RT: 10.47 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VY001090.D
Acq: 27 Dec 2019 12:25

Instrument :
MSVOA_Y
ClientSampleId :
VY1227SBS01

Tot Ion: 75 Resp: 99061
Ion Ratio Lower Upper
75 100
77 33.3 26.5 39.7

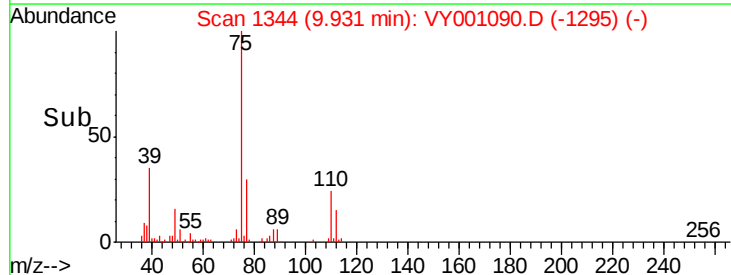
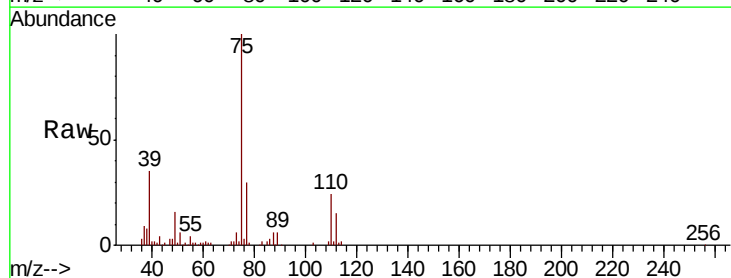
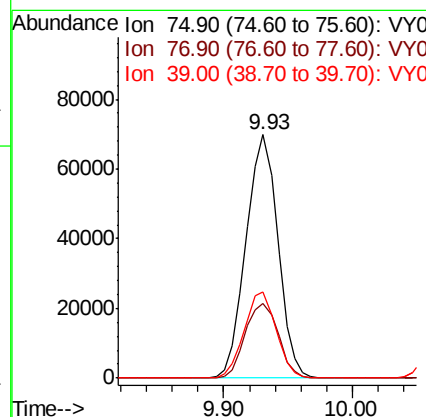
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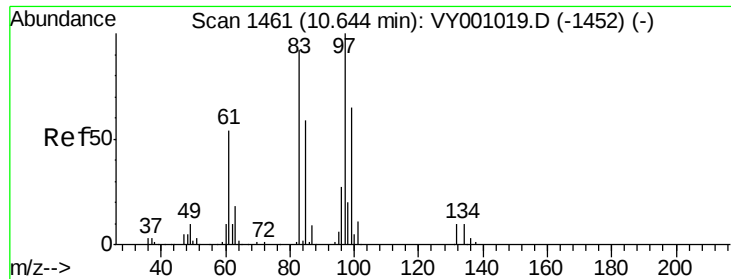
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#54
cis-1,3-Dichloropropene
Concen: 19.764 ug/l
RT: 9.93 min Scan# 1344
Delta R.T. 0.00 min
Lab File: VY001090.D
Acq: 27 Dec 2019 12:25

Tgt Ion: 75 Resp: 119574
Ion Ratio Lower Upper
75 100
77 30.4 25.2 37.8
39 35.4 29.5 44.3





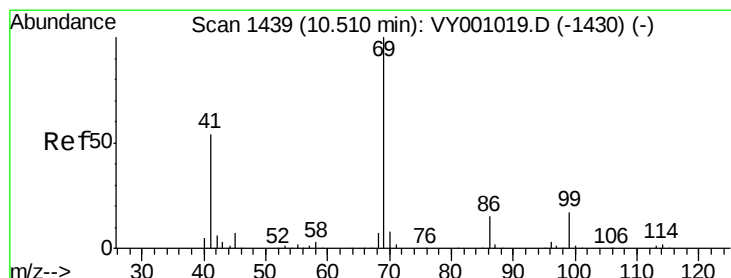
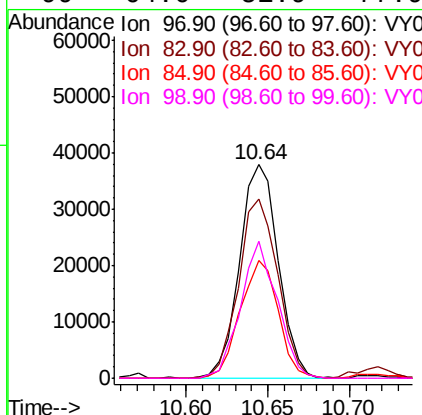
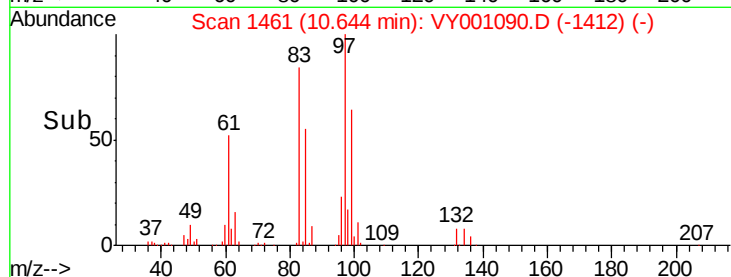
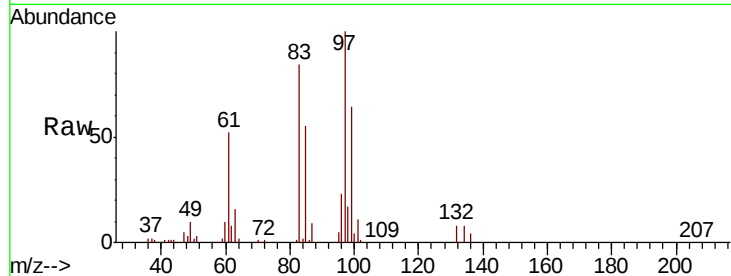
#55
 1,1,2-Trichloroethane
 Concen: 21.094 ug/l
 RT: 10.64 min Scan# 1461
 Delta R.T. 0.00 min
 Lab File: VY001090.D
 Acq: 27 Dec 2019 12:25

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1227SBS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	84.0	73.7	110.5
85	55.4	47.3	70.9
99	64.0	51.9	77.9

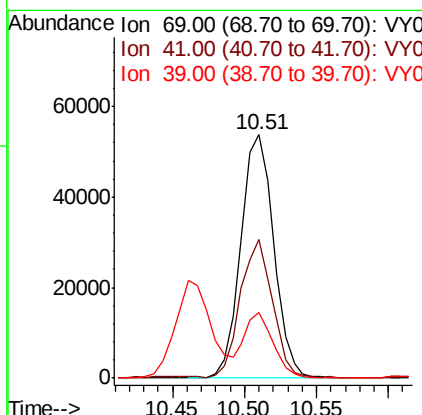
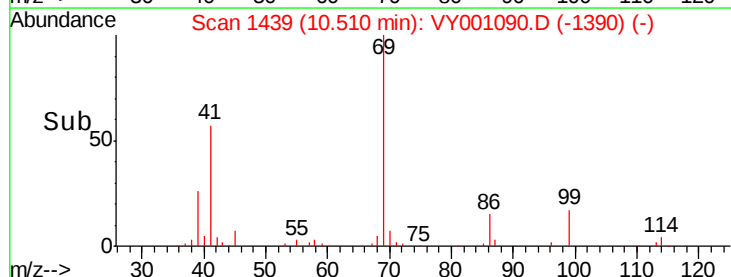
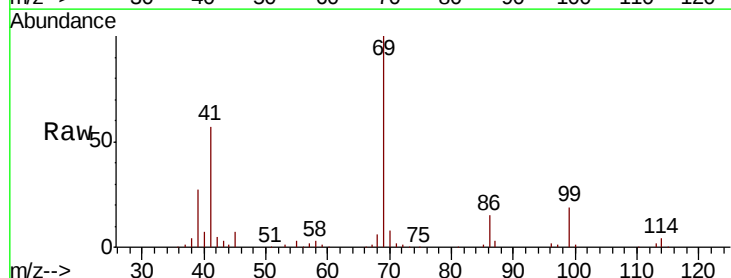
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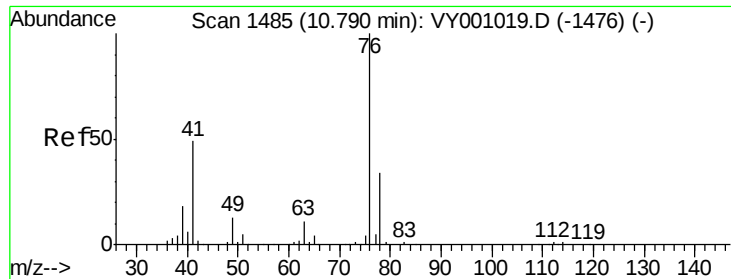
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#56
 Ethyl methacrylate
 Concen: 20.054 ug/l
 RT: 10.51 min Scan# 1439
 Delta R.T. 0.00 min
 Lab File: VY001090.D
 Acq: 27 Dec 2019 12:25

Tgt Ion	Ratio	Lower	Upper
69	100		
41	55.7	44.7	67.1
39	23.2	22.2	33.4





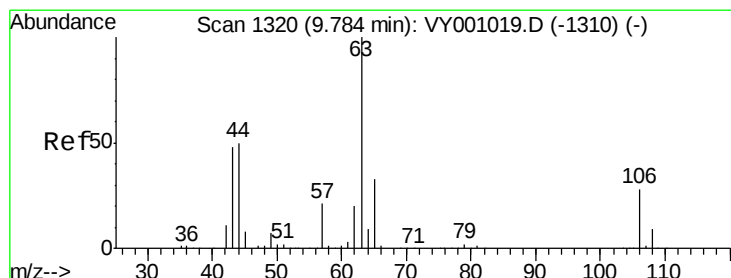
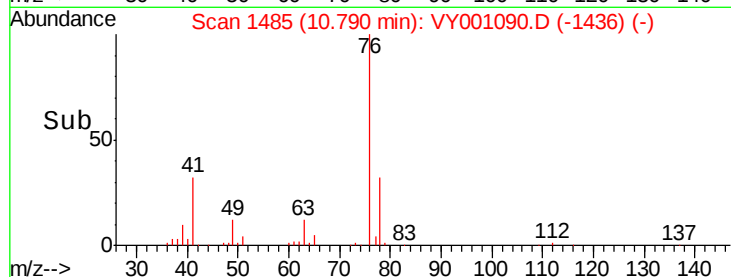
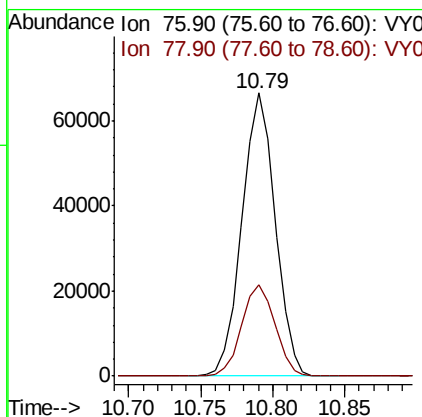
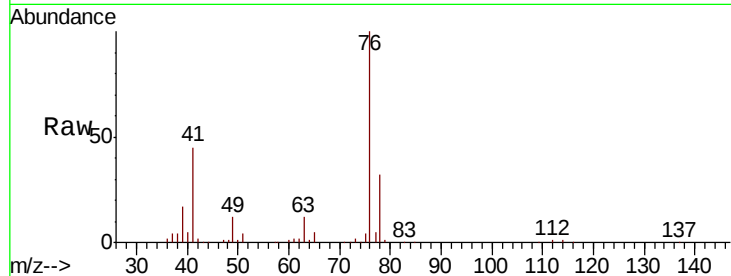
#57
 1,3-Dichloropropane
 Concen: 20.300 ug/l
 RT: 10.79 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VY001090.D
 Acq: 27 Dec 2019 12:25

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1227SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.6	25.8	38.8

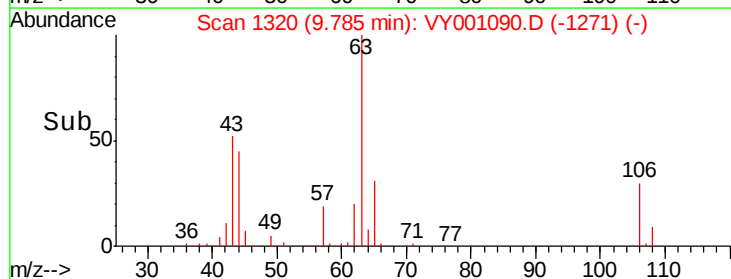
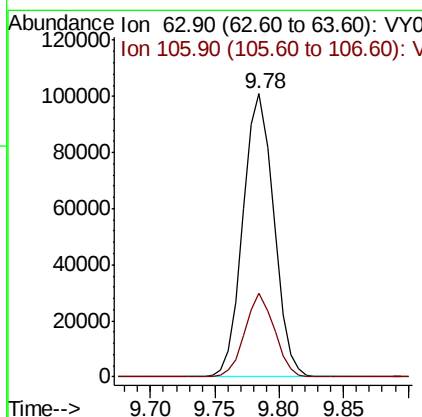
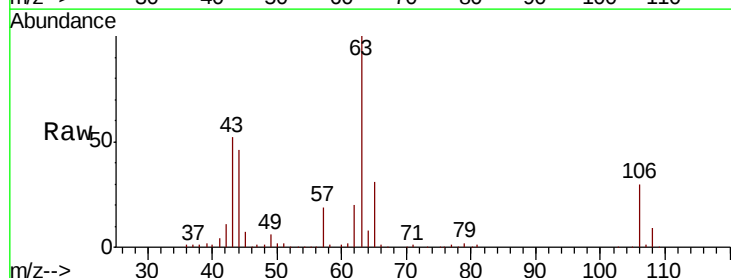
Manual Integrations
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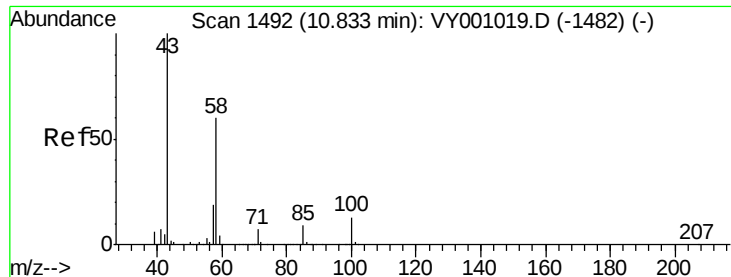
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#58
 2-Chloroethyl Vinyl ether
 Concen: 101.868 ug/l
 RT: 9.78 min Scan# 1320
 Delta R.T. 0.00 min
 Lab File: VY001090.D
 Acq: 27 Dec 2019 12:25

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.2	22.7	34.1





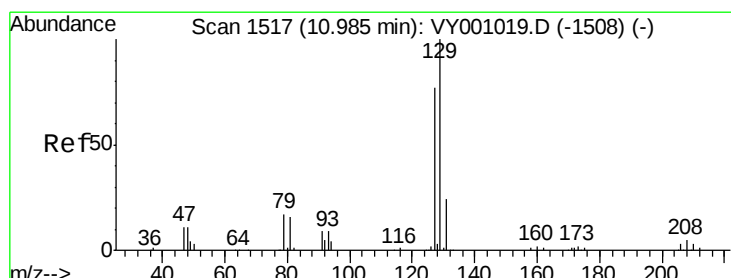
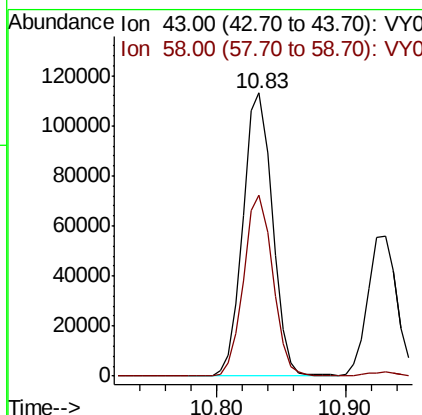
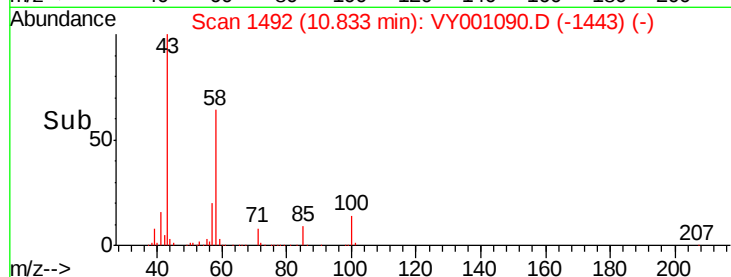
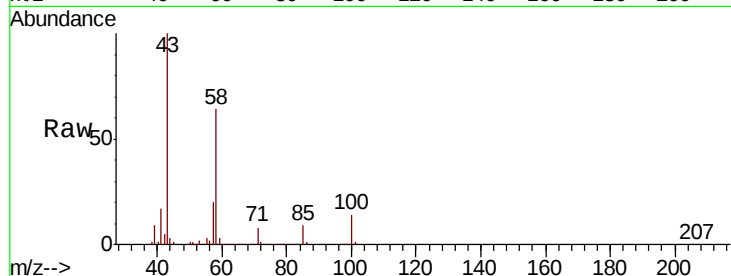
#59
2-Hexanone
Concen: 94.420 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VY001090.D
Acq: 27 Dec 2019 12:25

Instrument :
MSVOA_Y
ClientSampleId :
VY1227SBS01

Tot Ion: 43 Resp: 179064
Ion Ratio Lower Upper
43 100
58 63.3 30.6 91.6

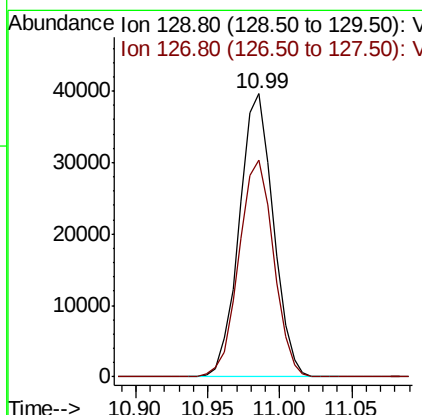
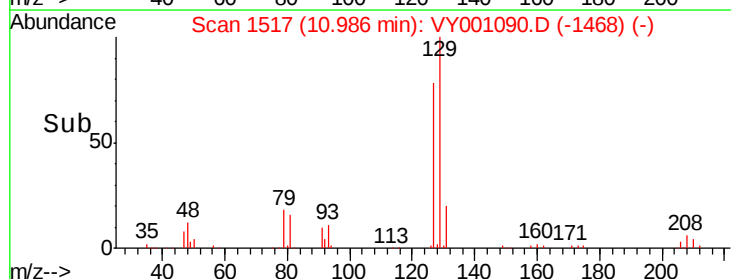
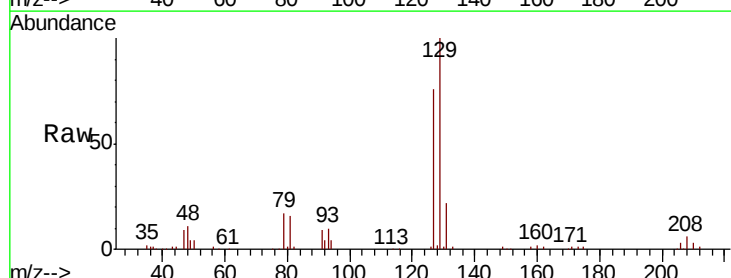
Manual Integrations
APPROVED

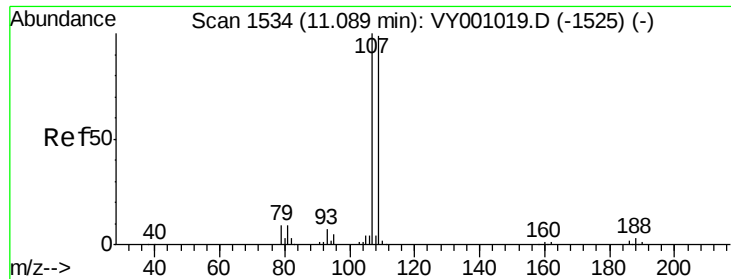
apatel
12/30/2019 3:33:41 PM



#60
Dibromochloromethane
Concen: 20.324 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VY001090.D
Acq: 27 Dec 2019 12:25

Tgt Ion: 129 Resp: 64869
Ion Ratio Lower Upper
129 100
127 78.3 39.1 117.3





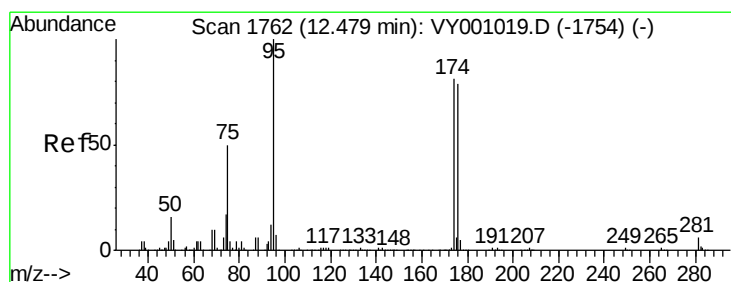
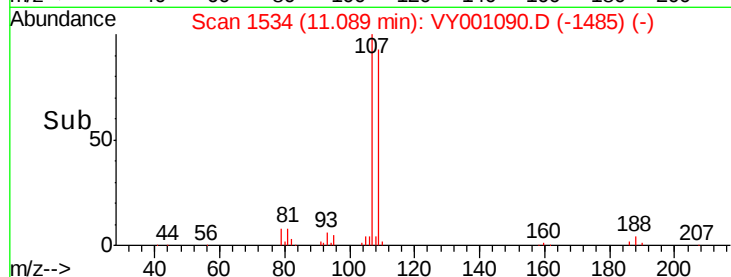
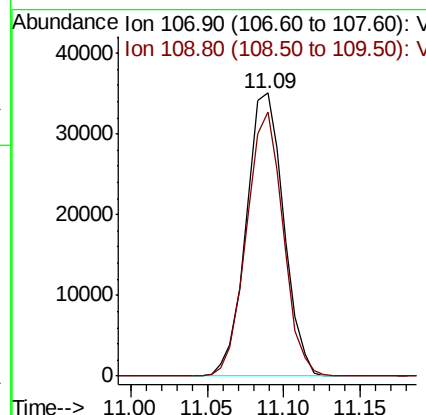
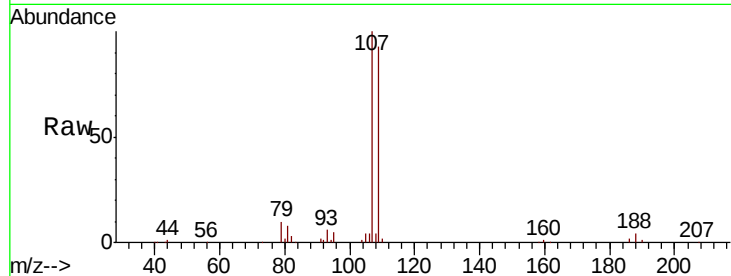
#61
1,2-Dibromoethane
Concen: 20.950 ug/l
RT: 11.09 min Scan# 1534
Delta R.T. 0.00 min
Lab File: VY001090.D
Acq: 27 Dec 2019 12:25

Instrument :
MSVOA_Y
ClientSampleId :
VY1227SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	90.8	74.8	112.2

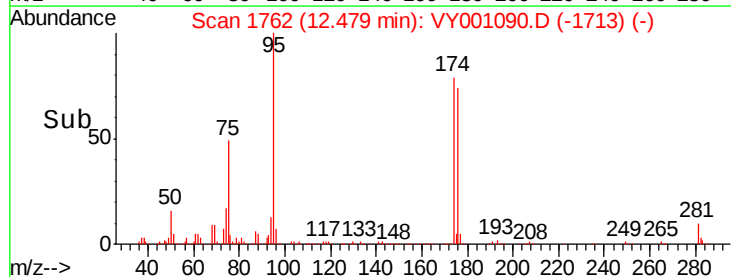
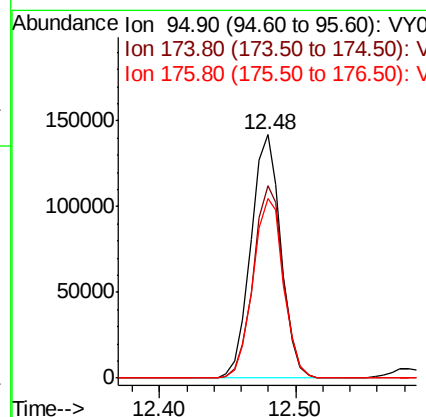
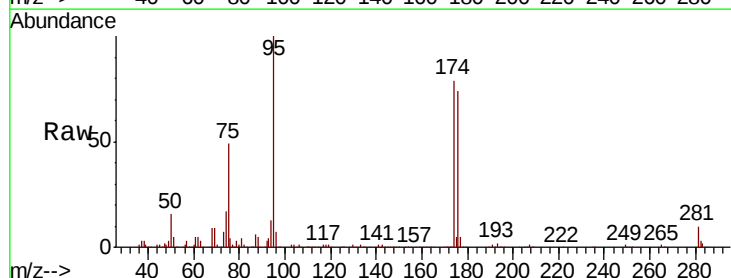
Manual Integrations
APPROVED

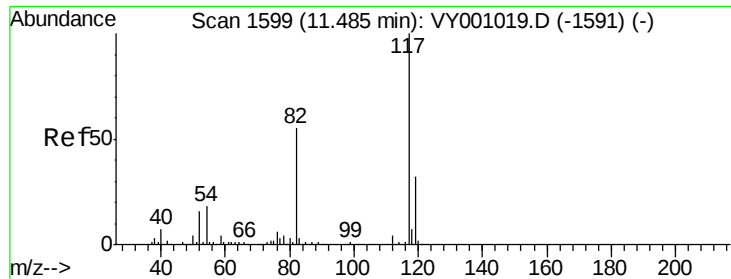
apatel
12/30/2019 3:33:41 PM



#62
4-Bromofluorobenzene
Concen: 48.384 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. 0.00 min
Lab File: VY001090.D
Acq: 27 Dec 2019 12:25

Tgt Ion	Ratio	Lower	Upper
95	100		
174	79.0	0.0	156.4
176	75.4	0.0	155.0





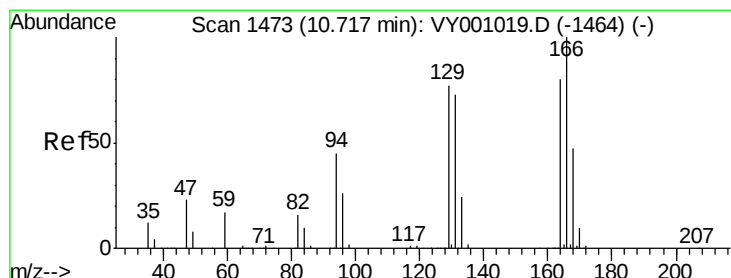
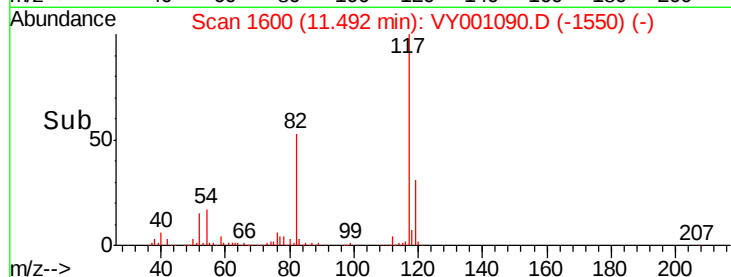
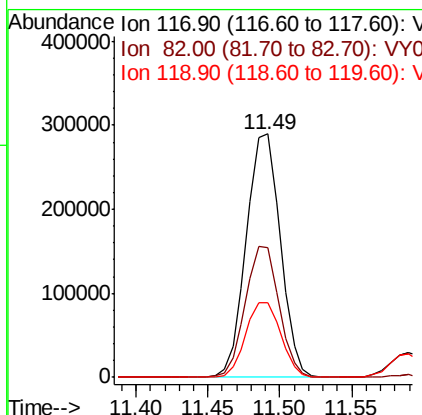
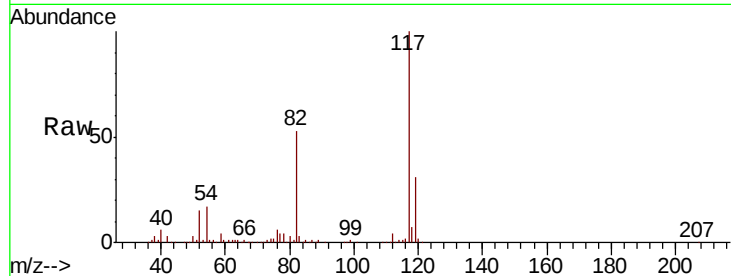
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.01 min
Lab File: VY001090.D
Acq: 27 Dec 2019 12:25

Instrument :
MSVOA_Y
ClientSampleId :
VY1227SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	474722		
82	53.4		43.8	65.8
119	30.9		25.8	38.6

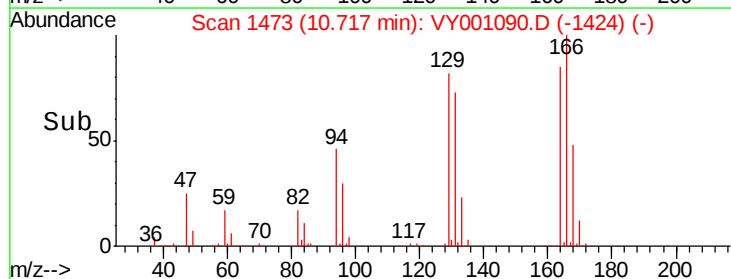
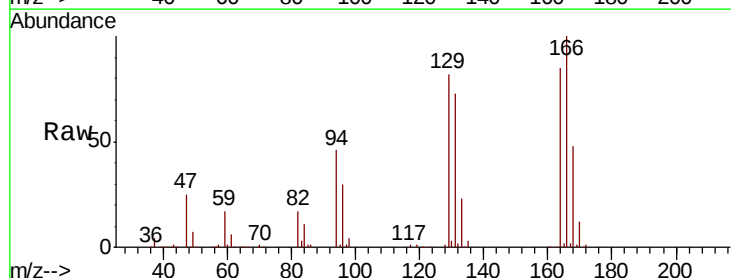
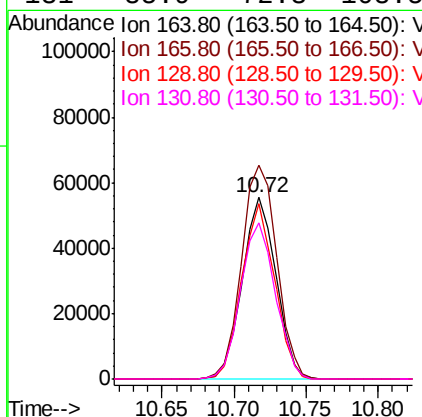
Manual Integrations
APPROVED

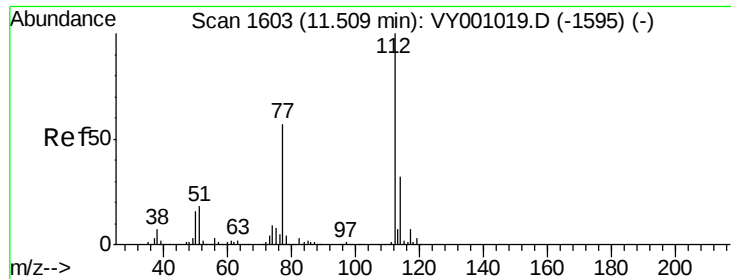
apatel
12/30/2019 3:33:41 PM



#64
Tetrachloroethene
Concen: 21.905 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VY001090.D
Acq: 27 Dec 2019 12:25

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	89974		
166	117.7		99.7	149.5
129	96.8		76.9	115.3
131	85.9		72.3	108.5





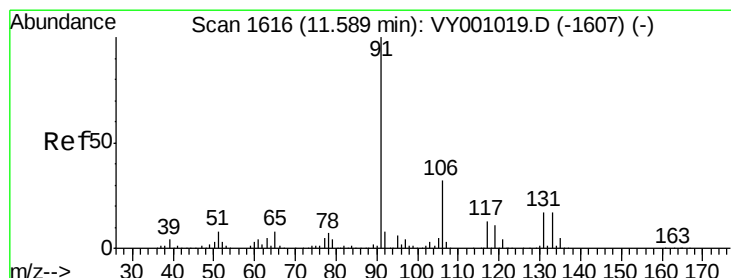
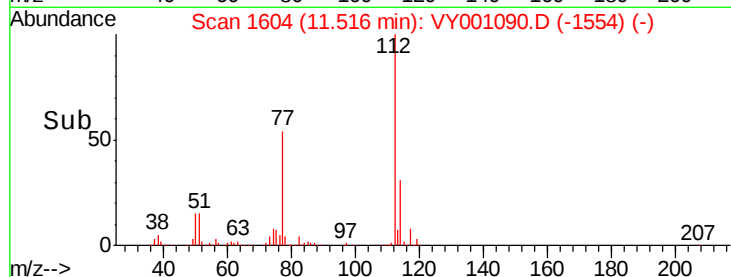
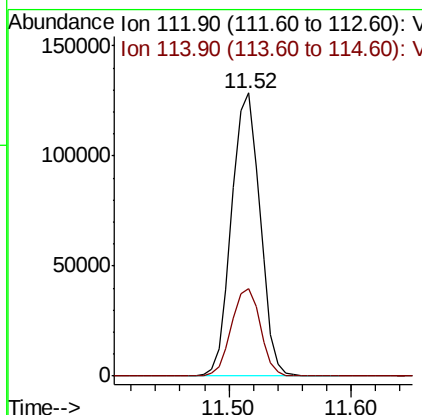
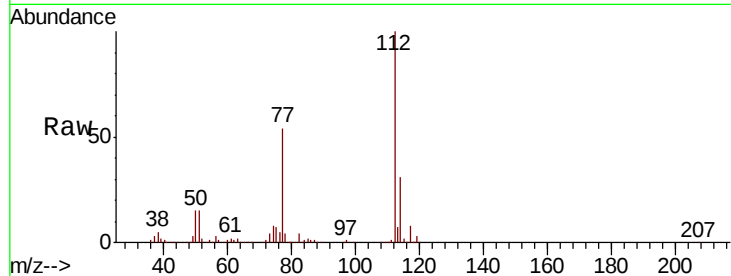
#65
Chlorobenzene
Concen: 20.948 ug/l
RT: 11.52 min Scan# 1604
Delta R.T. 0.01 min
Lab File: VY001090.D
Acq: 27 Dec 2019 12:25

Instrument :
MSVOA_Y
ClientSampleId :
VY1227SBS01

Tot Ion	Ratio	Resp	Lower	Upper
112	100	206280		
114	31.1	25.4	38.2	

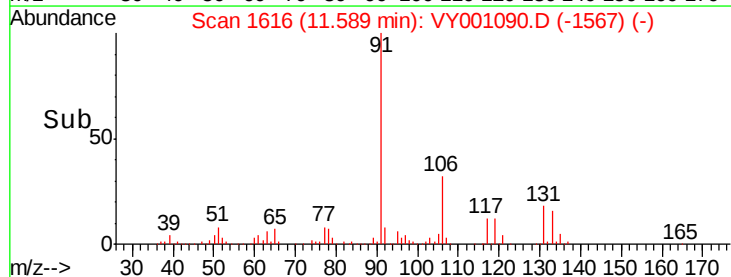
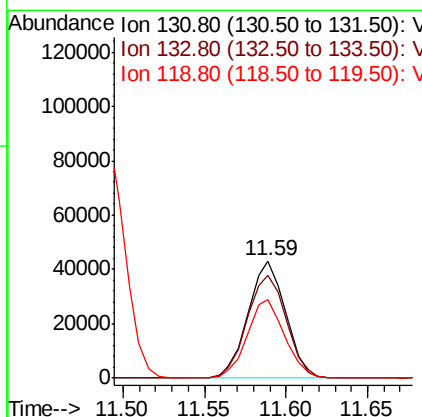
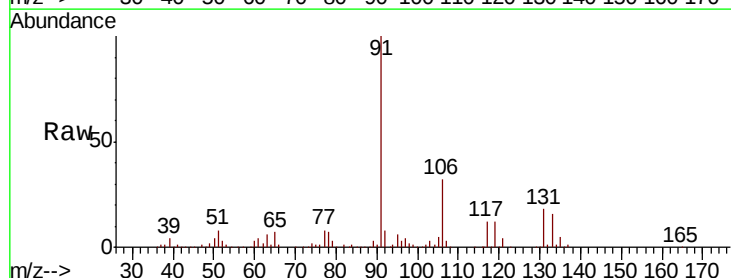
Manual Integrations
APPROVED

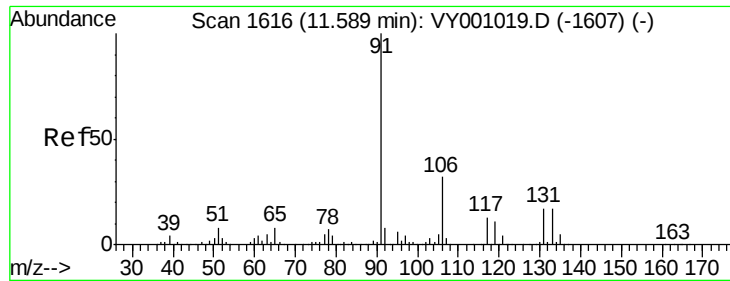
apatel
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.146 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. 0.00 min
Lab File: VY001090.D
Acq: 27 Dec 2019 12:25

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	68717		
133	92.1	48.1	144.4	
119	66.9	34.0	101.8	





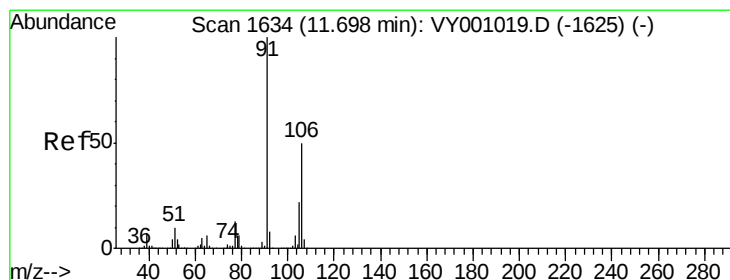
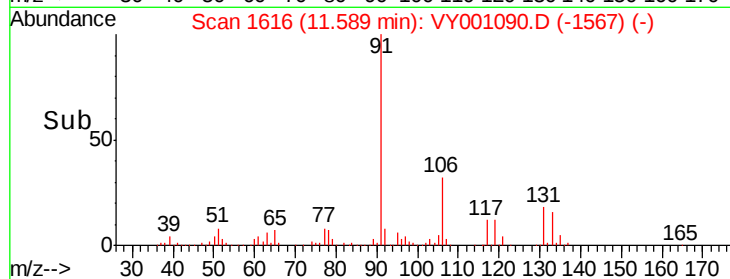
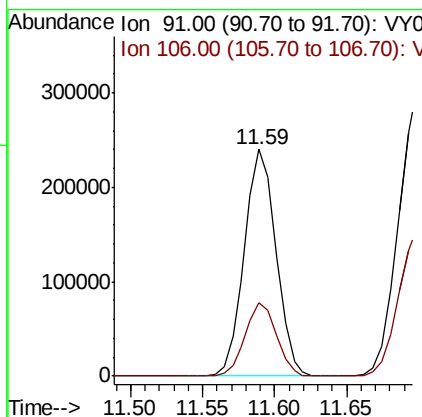
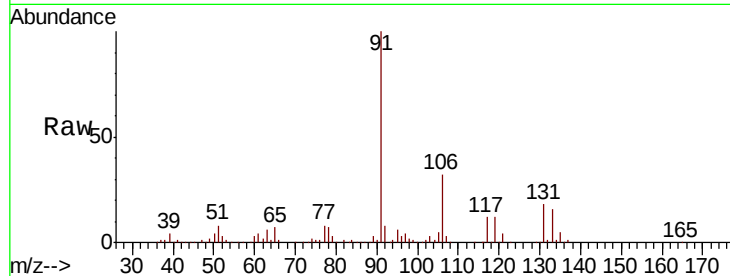
#67
Ethyl Benzene
Concen: 20.635 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. 0.00 min
Lab File: VY001090.D
Acq: 27 Dec 2019 12:25

Instrument :
MSVOA_Y
ClientSampleId :
VY1227SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
106	32.2	25.3	37.9

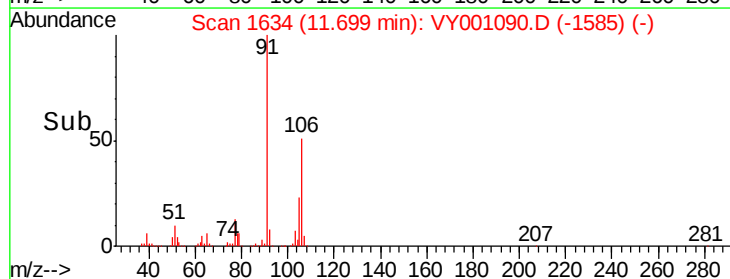
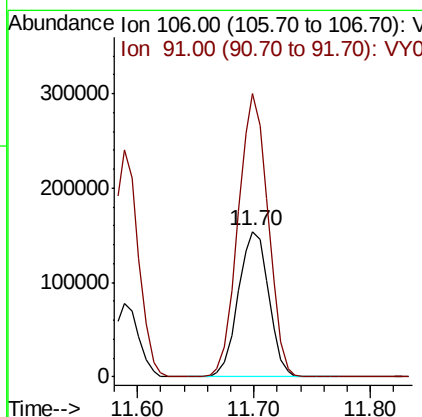
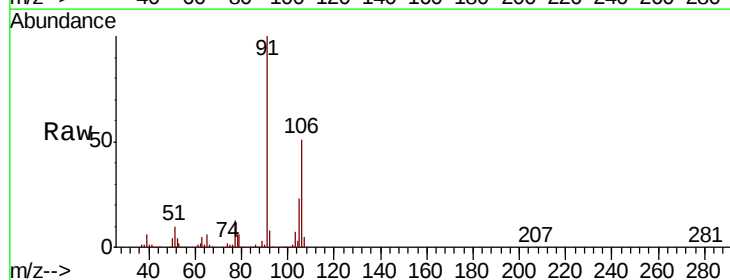
Manual Integrations
APPROVED

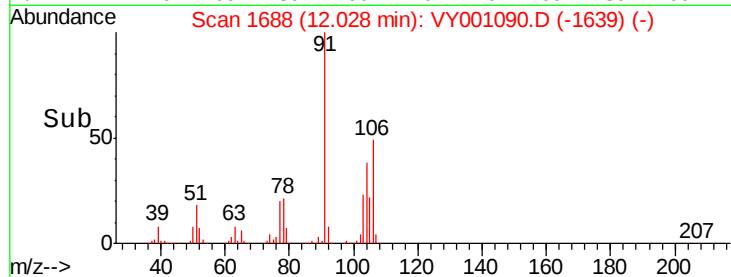
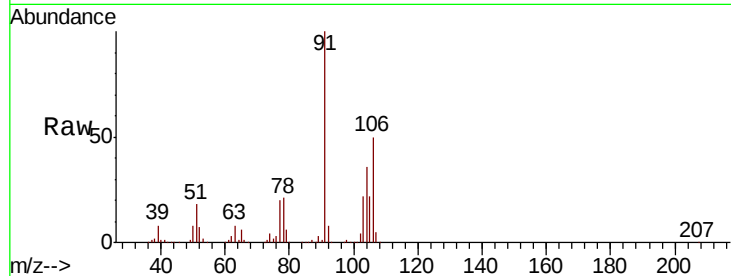
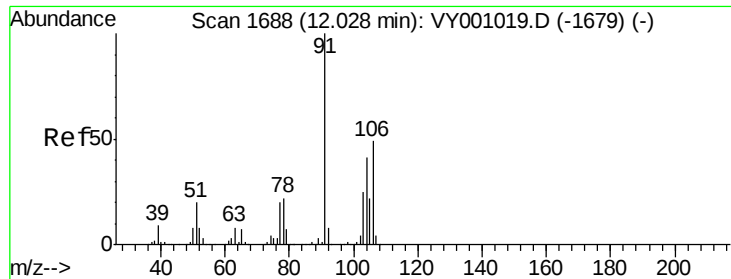
apatel
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#68
m/p-Xylenes
Concen: 41.777 ug/l
RT: 11.70 min Scan# 1634
Delta R.T. 0.00 min
Lab File: VY001090.D
Acq: 27 Dec 2019 12:25

Tgt Ion	Ratio	Lower	Upper
106	100		
91	191.8	156.4	234.6





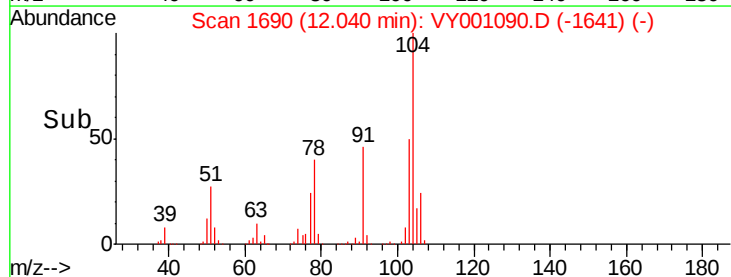
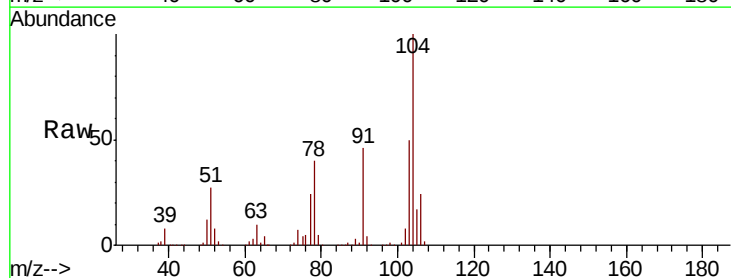
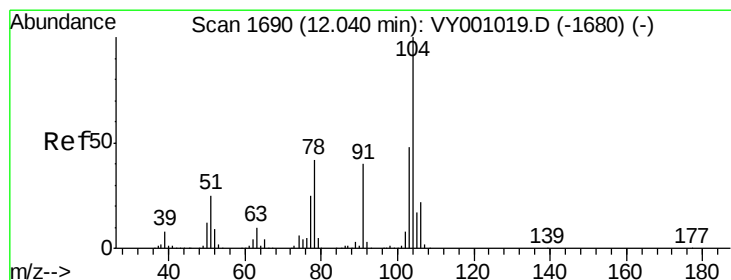
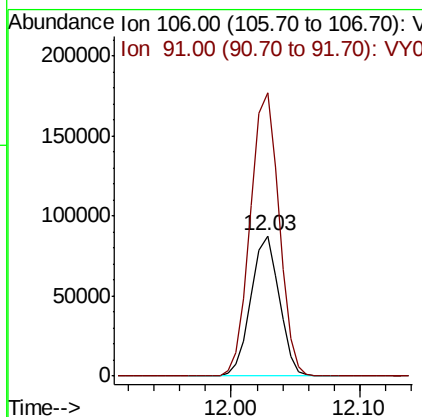
#69
o-Xylene
Concen: 20.918 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VY001090.D
Acq: 27 Dec 2019 12:25

Tot Ion:106 Resp: 132344
Ion Ratio Lower Upper
106 100
91 205.1 103.0 309.0

Instrument :
MSVOA_Y
ClientSampleId :
VY1227SBS01

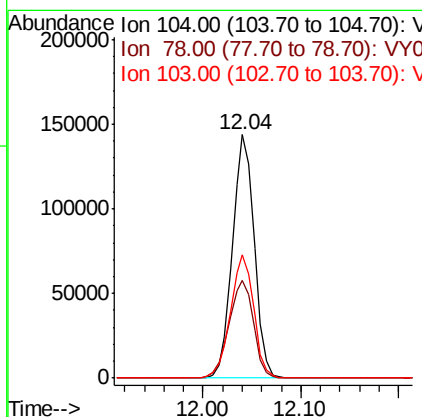
Manual Integrations
APPROVED

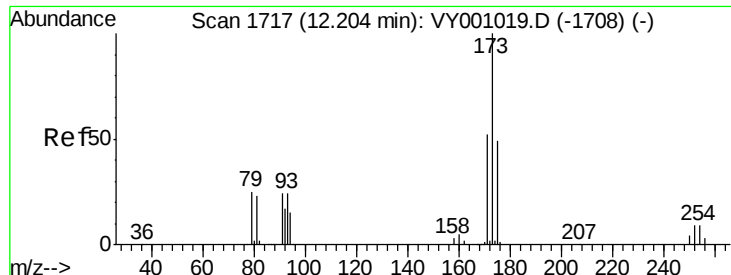
apatel
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#70
Styrene
Concen: 20.610 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VY001090.D
Acq: 27 Dec 2019 12:25

Tgt Ion:104 Resp: 221723
Ion Ratio Lower Upper
104 100
78 45.0 36.6 54.8
103 54.0 42.6 64.0





#71

Bromoform

Concen: 20.074 ug/l

RT: 12.20 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VY001090.D

Acq: 27 Dec 2019 12:25

Instrument :

MSVOA_Y

ClientSampleId :

VY1227SBS01

Tot Ion:173 Resp: 36323

Ion Ratio Lower Upper

173 100

175 46.8 24.5 73.5

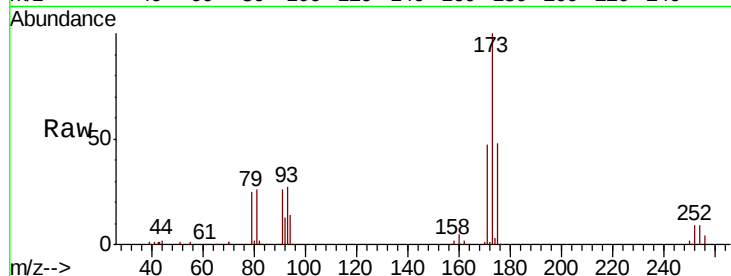
254 0.0 0.0 0.0

Manual Integrations

APPROVED

apatel

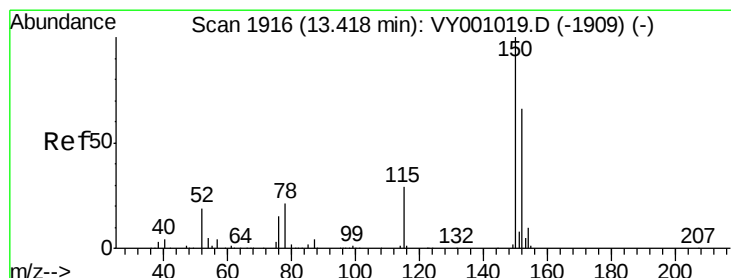
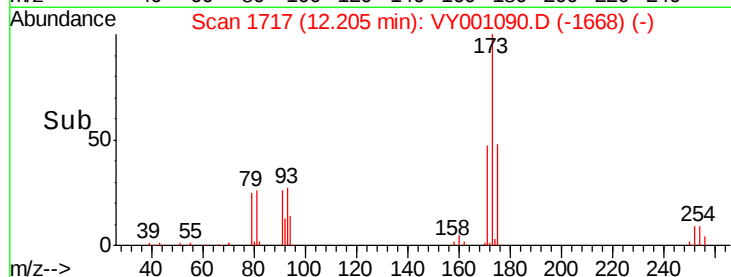
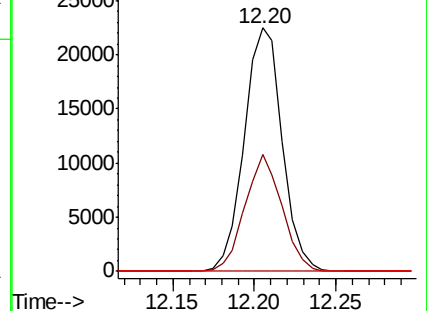
12/30/2019 3:33:41 PM



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# 1917

Delta R.T. 0.01 min

Lab File: VY001090.D

Acq: 27 Dec 2019 12:25

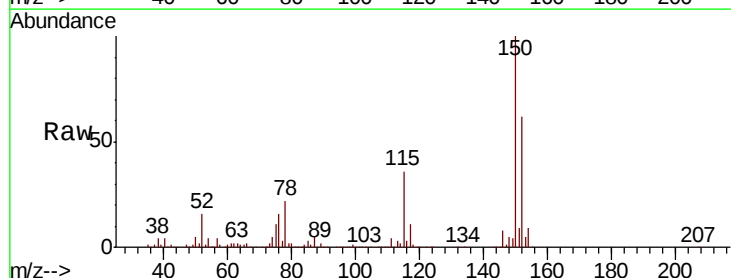
Tgt Ion:152 Resp: 214197

Ion Ratio Lower Upper

152 100

115 58.7 29.8 89.3

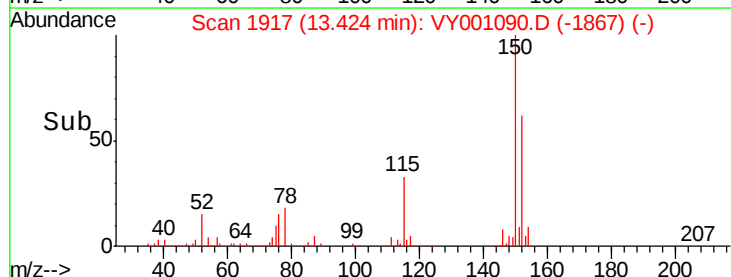
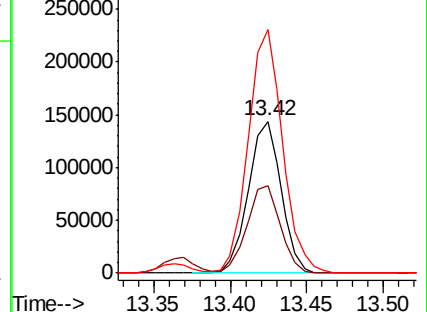
150 168.0 0.0 352.6

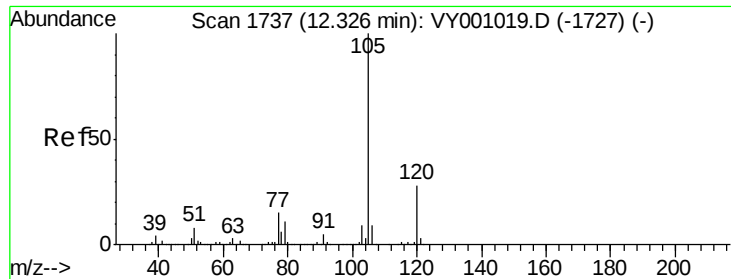


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





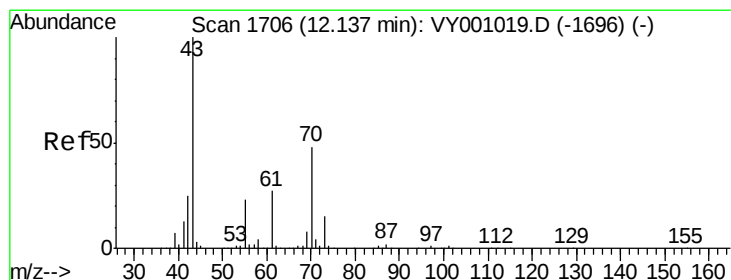
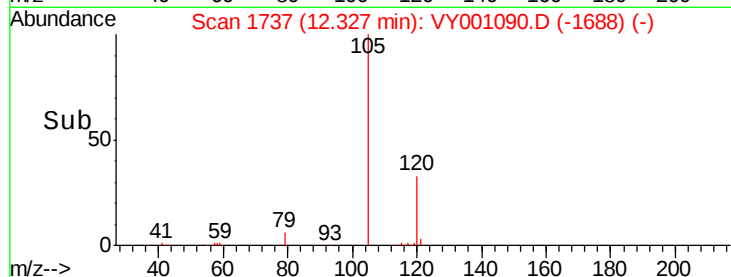
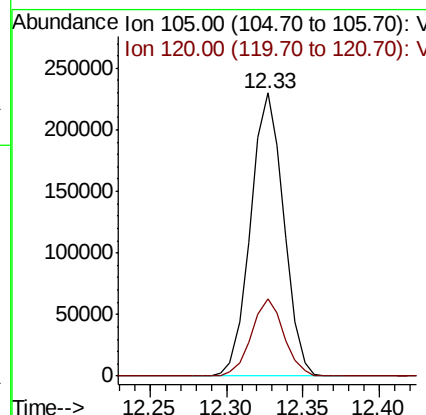
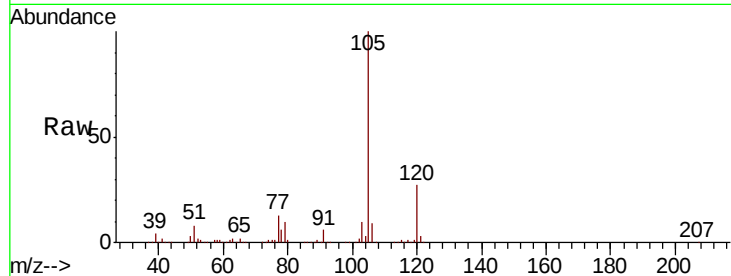
#73
Isopropylbenzene
Concen: 20.875 ug/l
RT: 12.33 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VY001090.D
Acq: 27 Dec 2019 12:25

Instrument :
MSVOA_Y
ClientSampleId :
VY1227SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.8	13.4	40.2

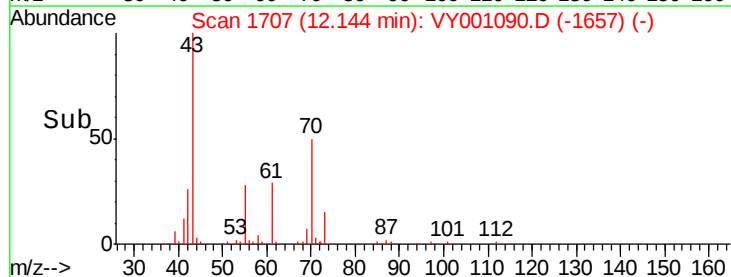
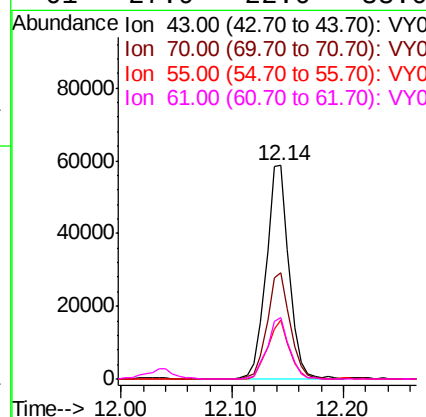
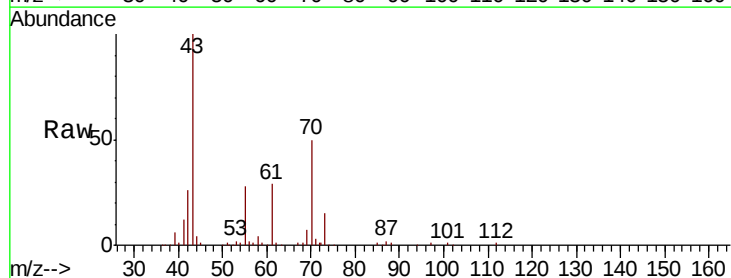
Manual Integrations
APPROVED

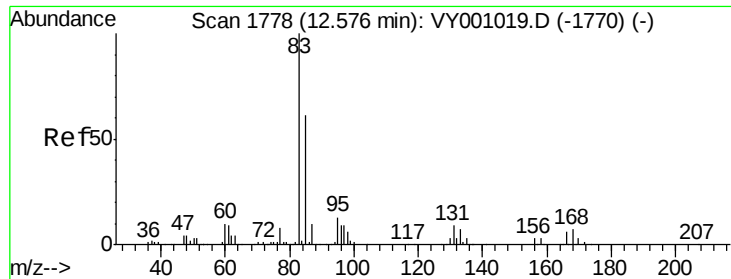
apatel
12/30/2019 3:33:41 PM



#74
N-ethyl acetate
Concen: 19.455 ug/l
RT: 12.14 min Scan# 1707
Delta R.T. 0.01 min
Lab File: VY001090.D
Acq: 27 Dec 2019 12:25

Tgt Ion	Ratio	Lower	Upper
43	100		
70	50.1	39.0	58.6
55	26.3	19.5	29.3
61	27.9	22.0	33.0





#75

1,1,2,2-Tetrachloroethane

Concen: 19.882 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. 0.01 min

Lab File: VY001090.D

Acq: 27 Dec 2019 12:25

Instrument :

MSVOA_Y

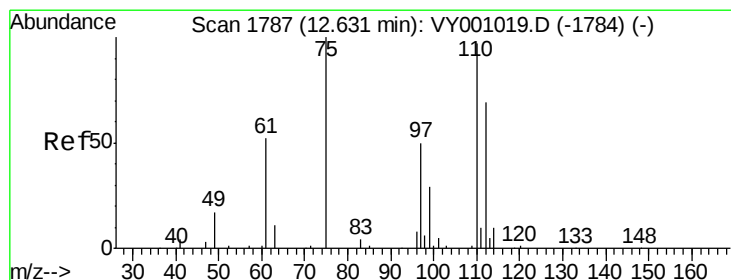
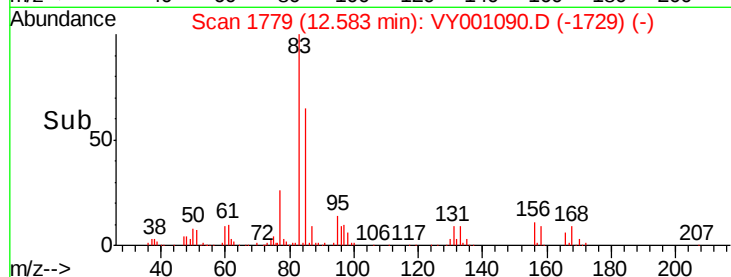
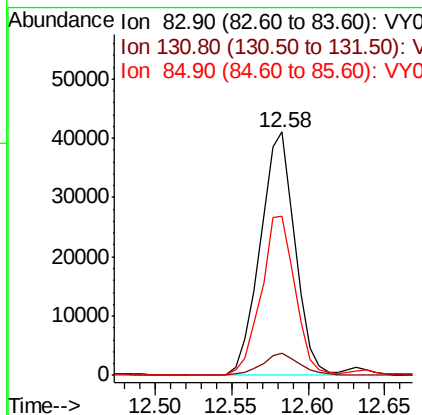
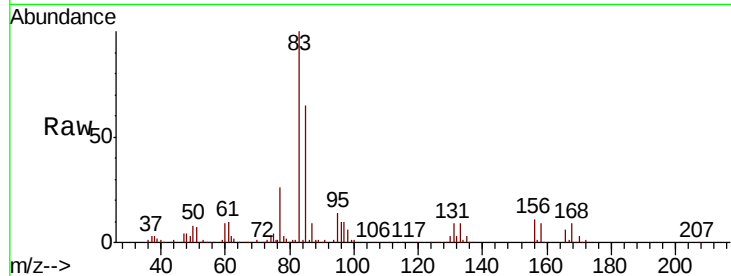
ClientSampleId :

VY1227SBS01

Tot Ion:	83	Resp:	64923
Ion Ratio	Lower	Upper	
83	100		
131	9.8	5.1	15.3
85	64.1	32.1	96.5

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#76

1,2,3-Trichloropropane

Concen: 17.763 ug/l m

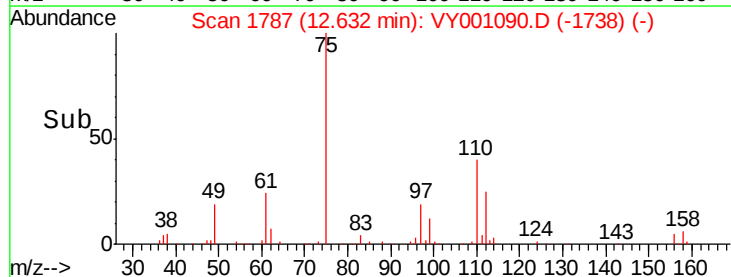
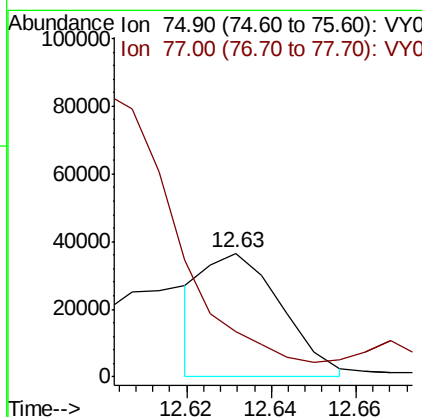
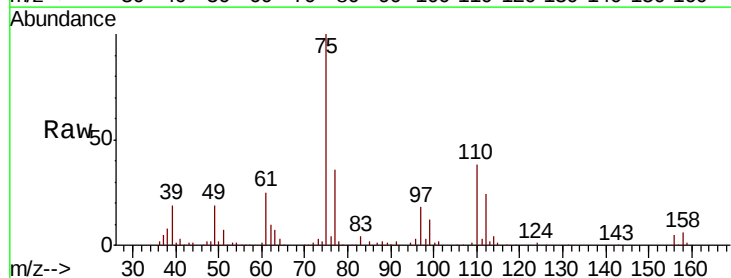
RT: 12.63 min Scan# 1787

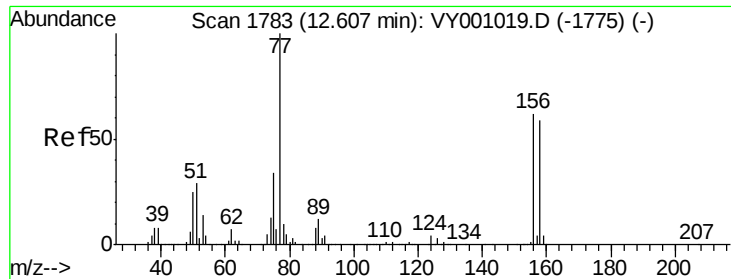
Delta R.T. 0.00 min

Lab File: VY001090.D

Acq: 27 Dec 2019 12:25

Tgt Ion:	75	Resp:	46906
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





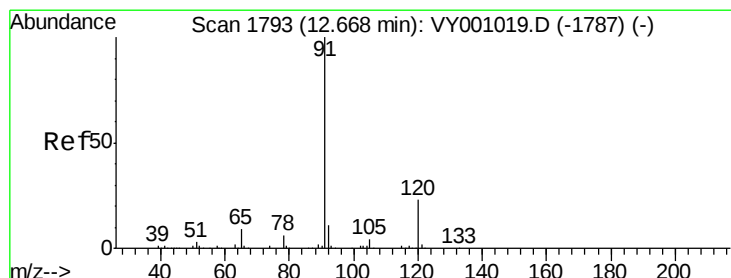
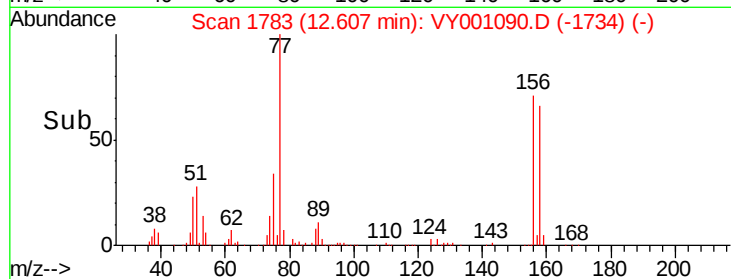
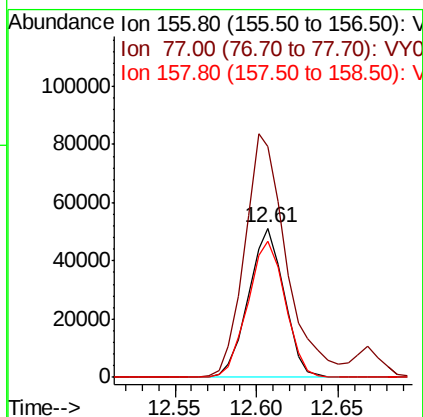
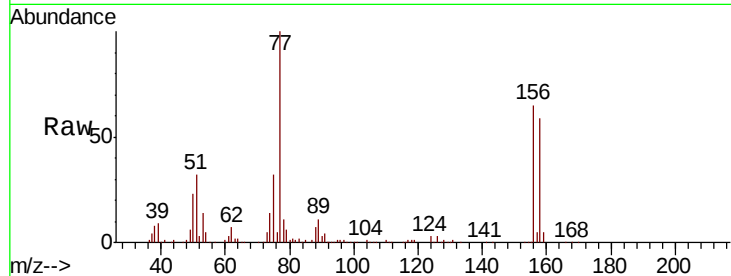
#77
Bromobenzene
Concen: 20.940 ug/l
RT: 12.61 min Scan# 1783
Delta R.T. 0.00 min
Lab File: VY001090.D
Acq: 27 Dec 2019 12:25

Instrument :
MSVOA_Y
ClientSampleId :
VY1227SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	190.7	98.0	294.1
158	95.5	48.5	145.6

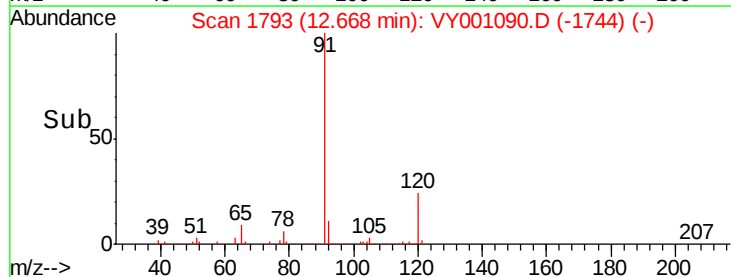
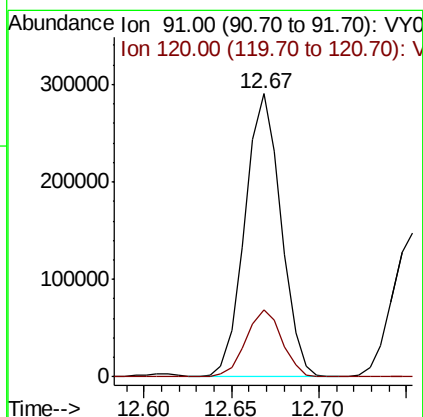
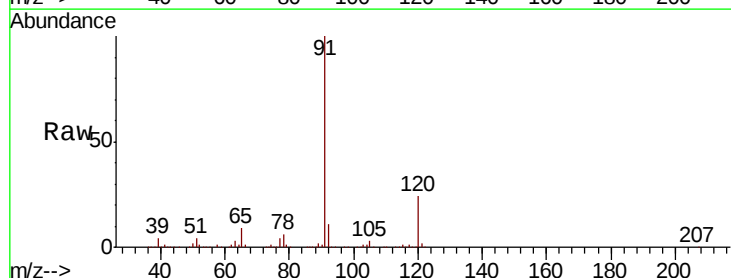
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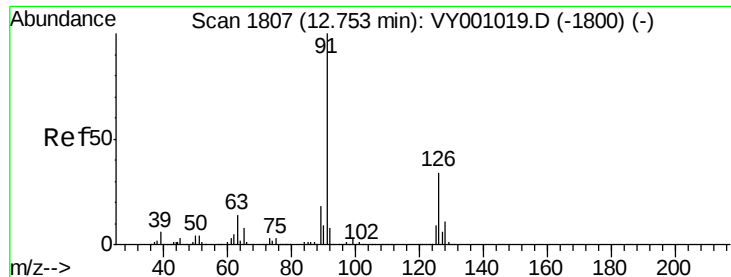
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#78
n-propylbenzene
Concen: 20.692 ug/l
RT: 12.67 min Scan# 1793
Delta R.T. 0.00 min
Lab File: VY001090.D
Acq: 27 Dec 2019 12:25

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.6	11.4	34.2





#79

2-Chlorotoluene

Concen: 20.422 ug/l

RT: 12.75 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VY001090.D

Acq: 27 Dec 2019 12:25

Instrument :

MSVOA_Y

ClientSampleId :

VY1227SBS01

Tot Ion: 91 Resp: 227782

Ion Ratio Lower Upper

91 100

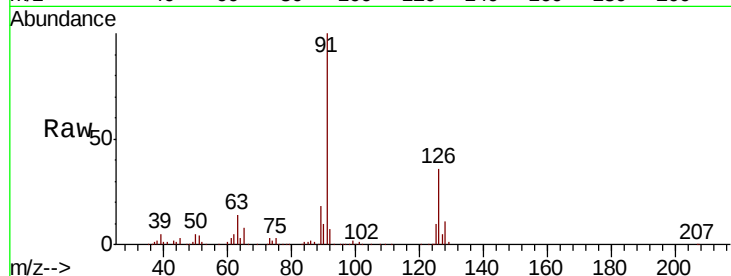
126 35.3 17.3 51.7

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

Ion 125.90 (125.60 to 126.60): VY001019.D (-1800) (-)

250000

200000

150000

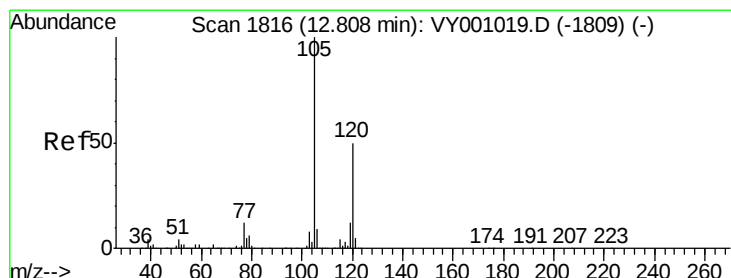
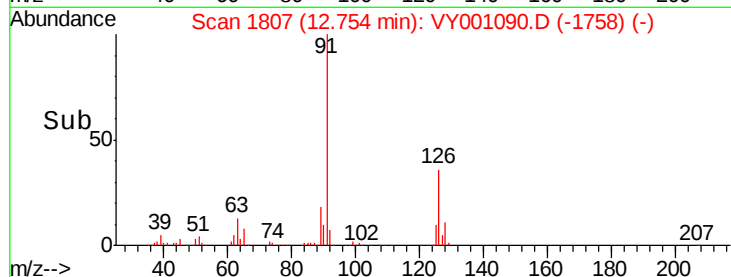
100000

50000

0

12.70 12.75 12.80

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.582 ug/l

RT: 12.81 min Scan# 1816

Delta R.T. 0.00 min

Lab File: VY001090.D

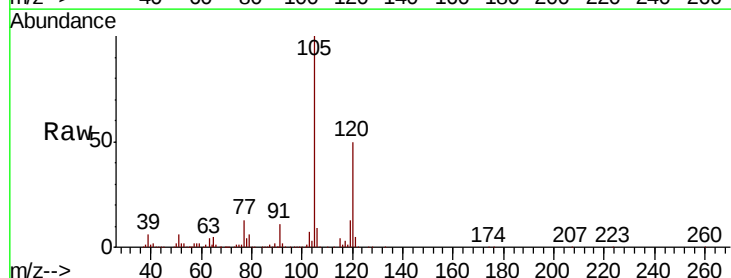
Acq: 27 Dec 2019 12:25

Tgt Ion: 105 Resp: 279646

Ion Ratio Lower Upper

105 100

120 50.9 25.1 75.4



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

Ion 120.00 (119.70 to 120.70): VY001019.D (-1809) (-)

200000

150000

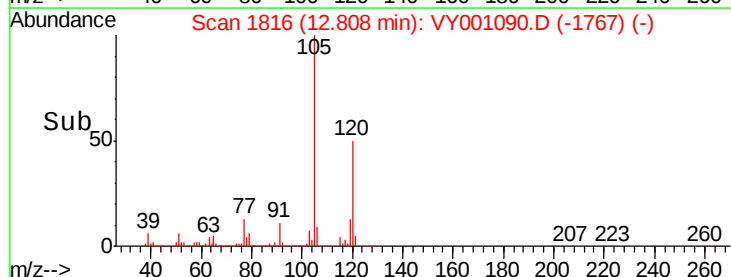
100000

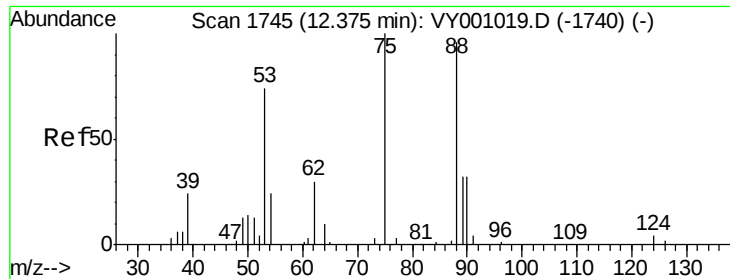
50000

0

12.70 12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 20.081 ug/l

RT: 12.38 min Scan# 1745

Delta R.T. 0.00 min

Lab File: VY001090.D

Acq: 27 Dec 2019 12:25

Instrument :

MSVOA_Y

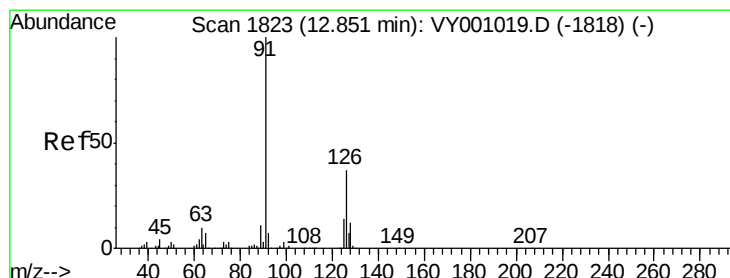
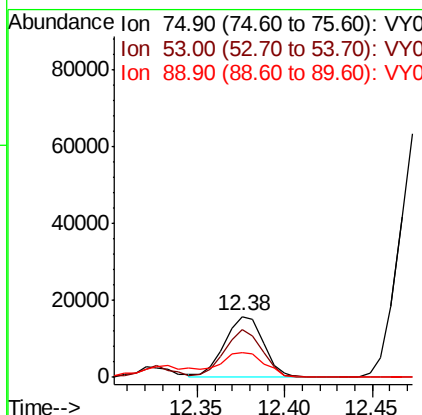
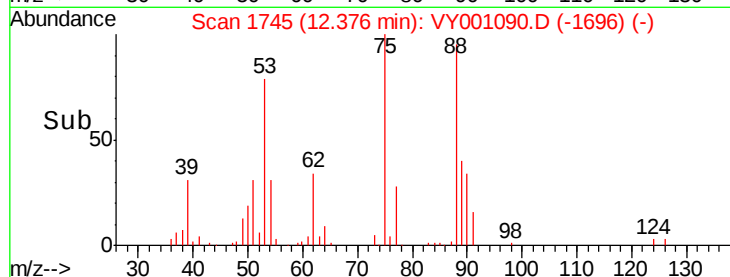
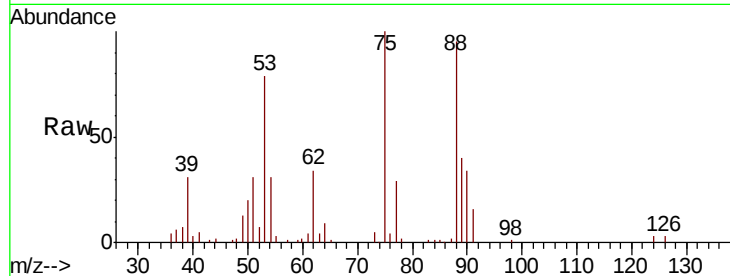
ClientSampleId :

VY1227SBS01

Tot Ion:	75	Resp:	24862
Ion Ratio	Lower	Upper	
75	100		
53	75.7	60.6	91.0
89	45.9	35.4	53.0

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#82

4-Chlorotoluene

Concen: 20.124 ug/l

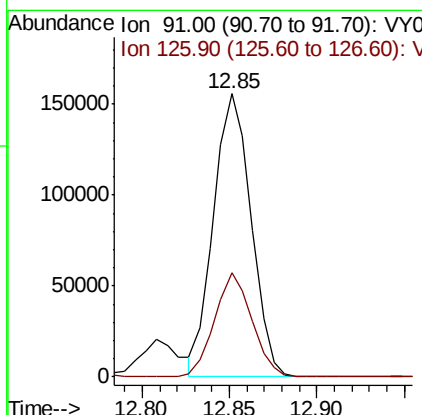
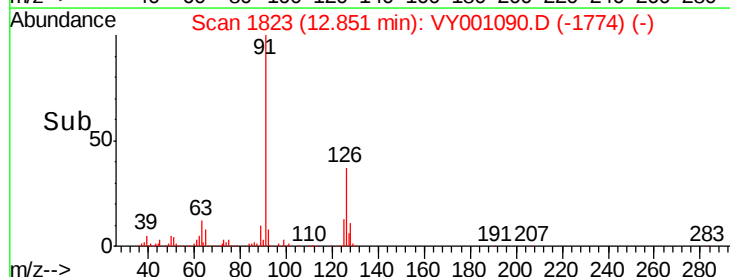
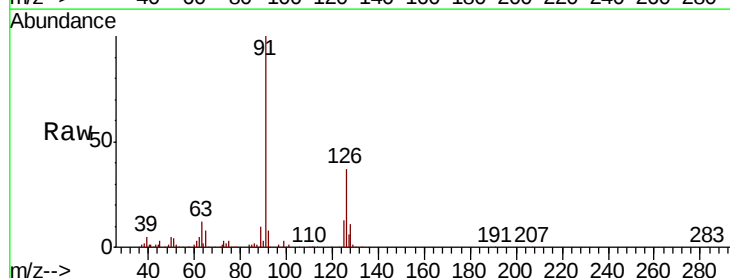
RT: 12.85 min Scan# 1823

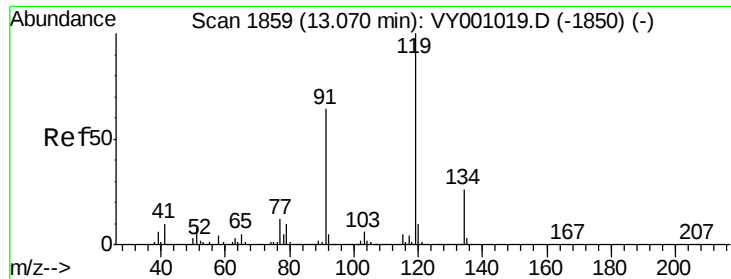
Delta R.T. 0.00 min

Lab File: VY001090.D

Acq: 27 Dec 2019 12:25

Tgt Ion:	91	Resp:	233136
Ion Ratio	Lower	Upper	
91	100		
126	36.4	17.6	52.8





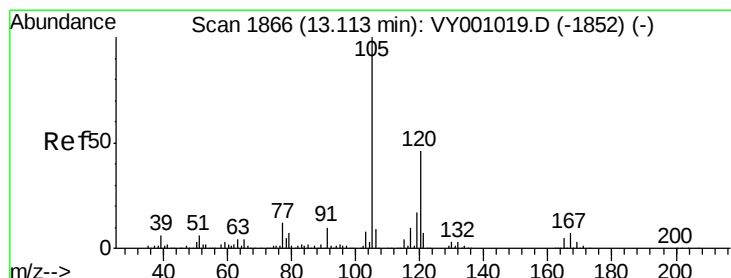
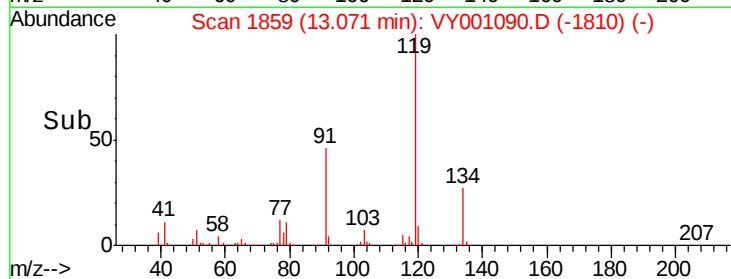
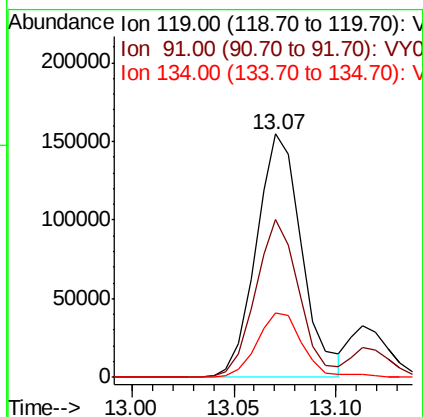
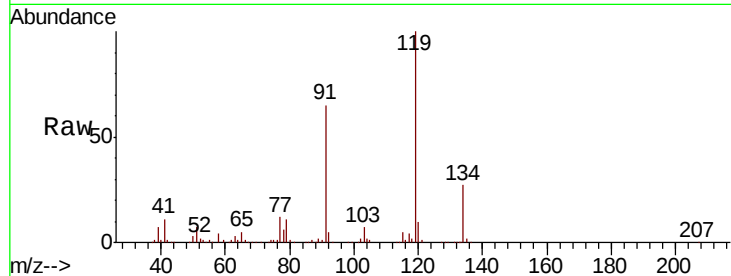
#83
tert-Butylbenzene
Concen: 21.087 ug/l
RT: 13.07 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VY001090.D
Acq: 27 Dec 2019 12:25

Instrument :
MSVOA_Y
ClientSampleId :
VY1227SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	240504		
91	62.3	31.9	95.7	
134	26.8	13.6	40.7	

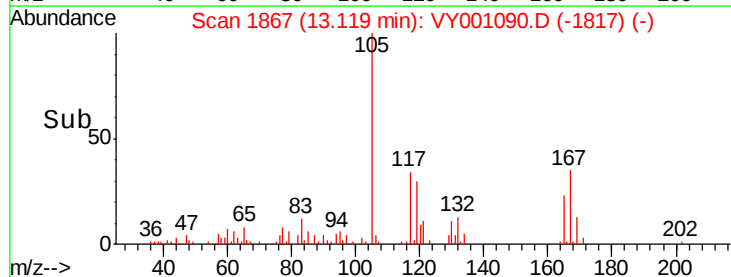
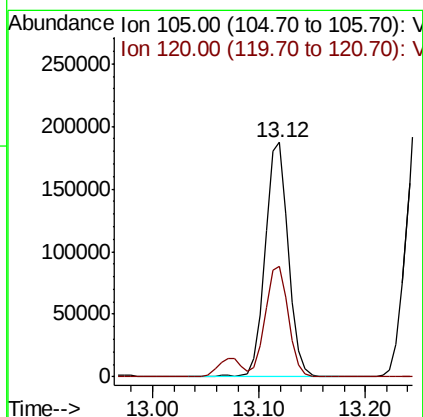
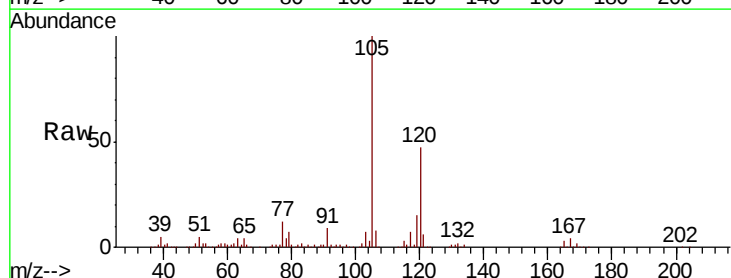
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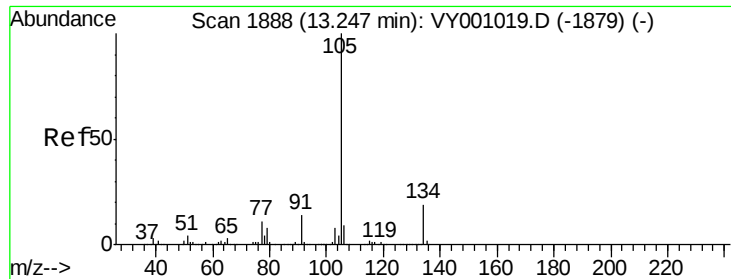
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#84
1,2,4-Trimethylbenzene
Concen: 20.745 ug/l
RT: 13.12 min Scan# 1867
Delta R.T. 0.01 min
Lab File: VY001090.D
Acq: 27 Dec 2019 12:25

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	283242		
120	47.3	23.4	70.2	





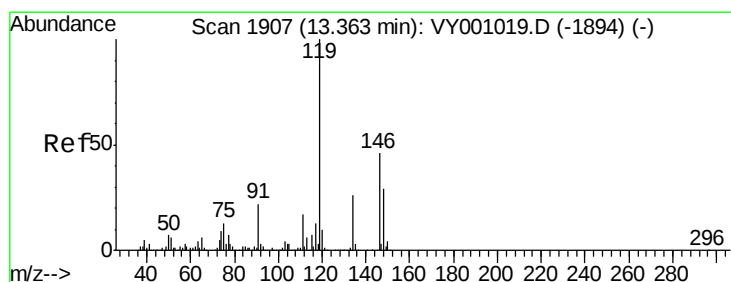
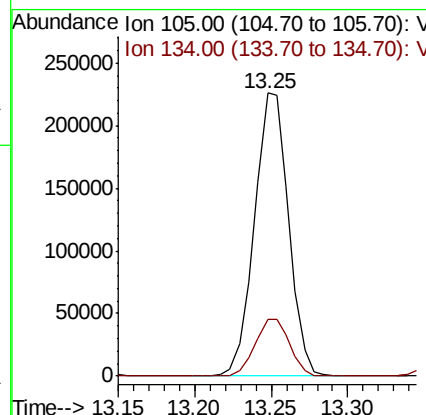
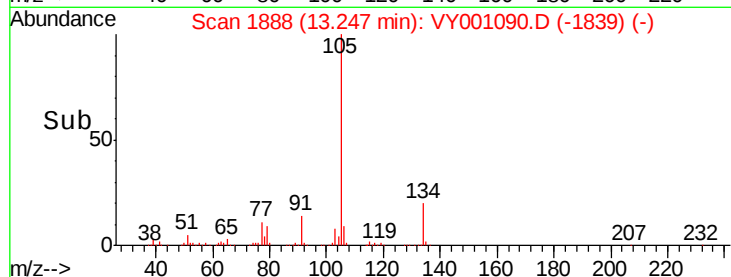
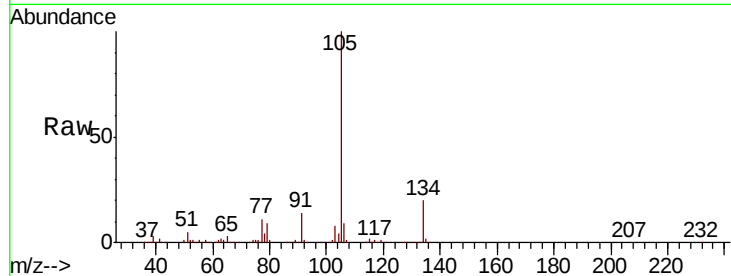
#85
 sec-Butylbenzene
 Concen: 20.844 ug/l
 RT: 13.25 min Scan# 1888
 Delta R.T. 0.00 min
 Lab File: VY001090.D
 Acq: 27 Dec 2019 12:25

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1227SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.4	10.0	30.0

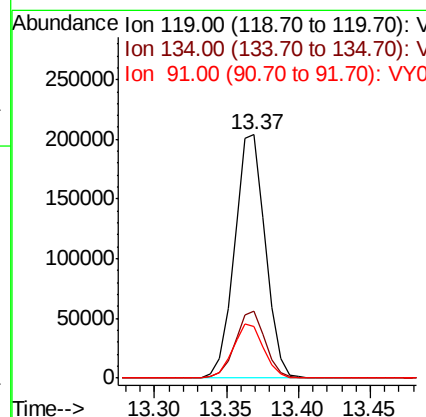
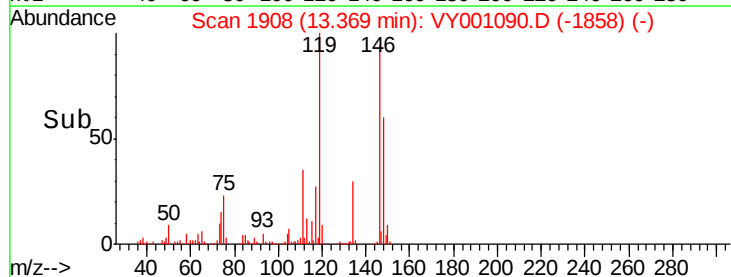
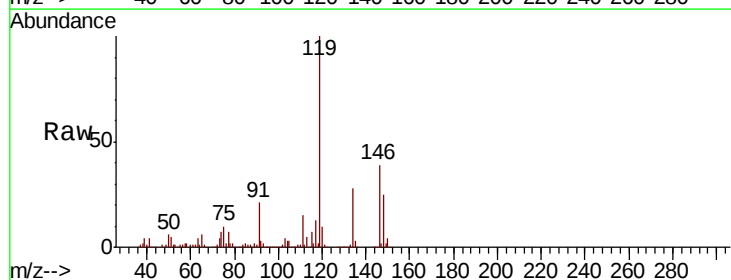
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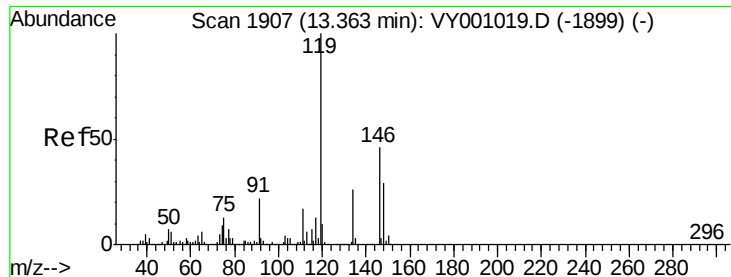
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#86
 p-Isopropyltoluene
 Concen: 20.842 ug/l
 RT: 13.37 min Scan# 1908
 Delta R.T. 0.01 min
 Lab File: VY001090.D
 Acq: 27 Dec 2019 12:25

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.1	13.6	40.7
91	22.6	11.4	34.1





#87

1,3-Dichlorobenzene

Concen: 20.661 ug/l

RT: 13.36 min Scan# 1907

Delta R.T. 0.00 min

Lab File: VY001090.D

Acq: 27 Dec 2019 12:25

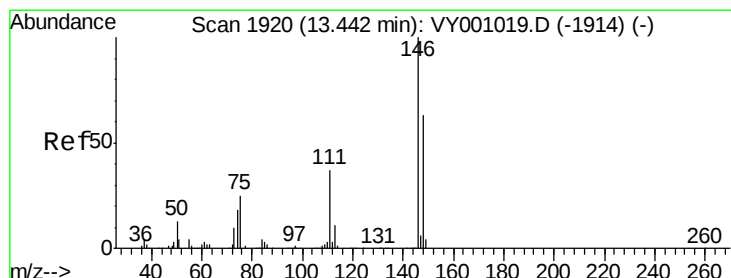
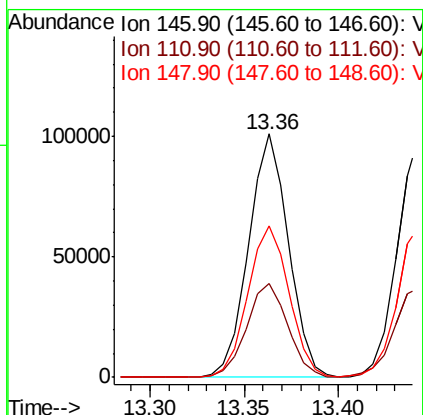
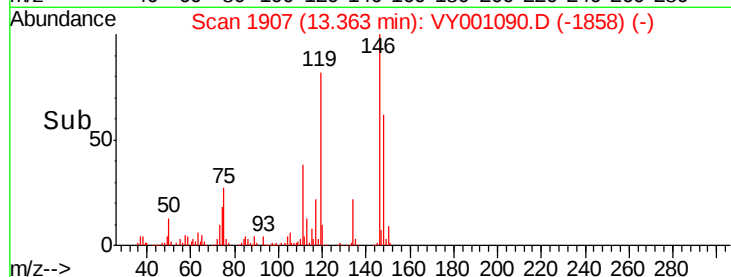
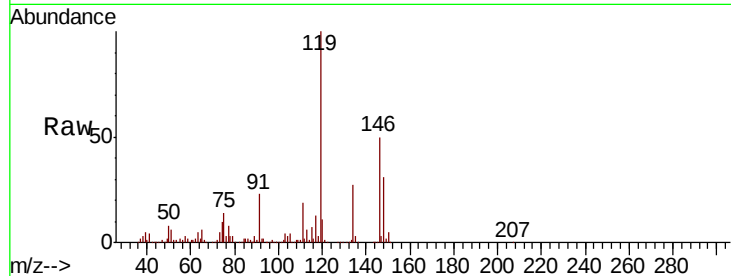
Instrument :
MSVOA_Y

ClientSampleId :
VY1227SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	147927		
111	39.8	19.7	59.0	
148	64.5	31.9	95.5	

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#88

1,4-Dichlorobenzene

Concen: 20.742 ug/l

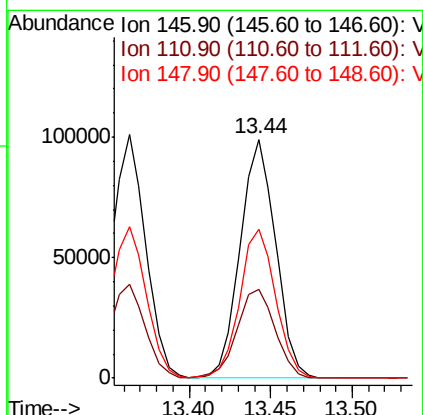
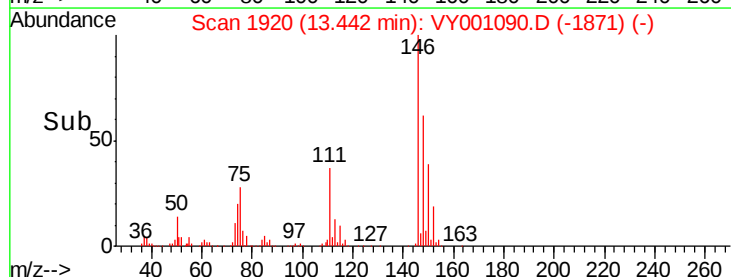
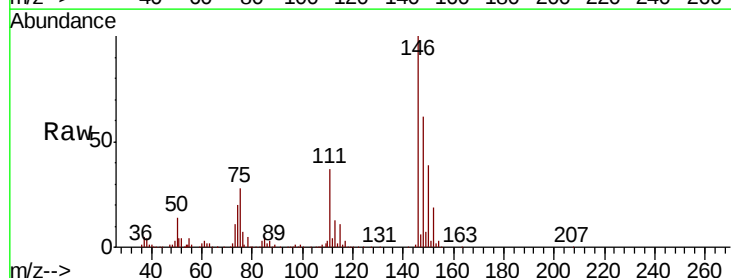
RT: 13.44 min Scan# 1920

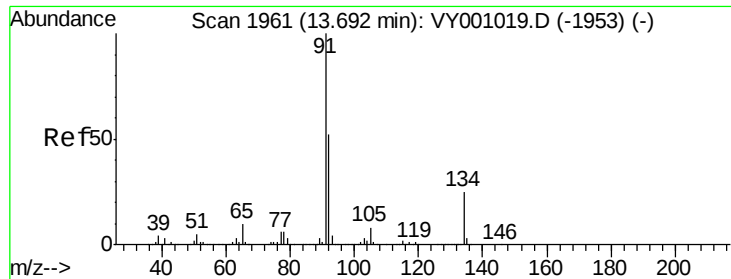
Delta R.T. 0.00 min

Lab File: VY001090.D

Acq: 27 Dec 2019 12:25

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	149813		
111	40.1	19.4	58.2	
148	63.0	31.8	95.3	





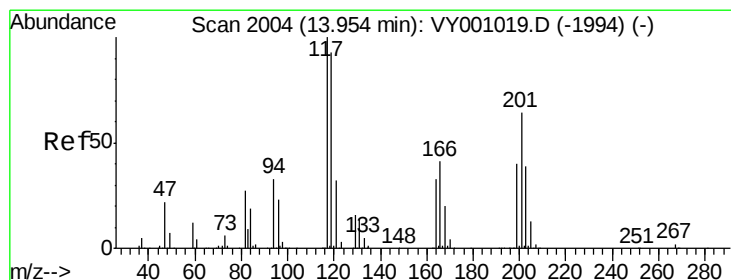
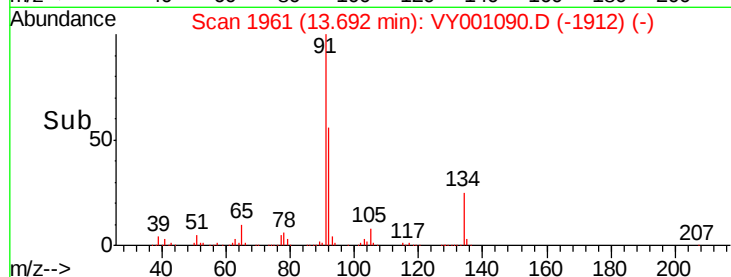
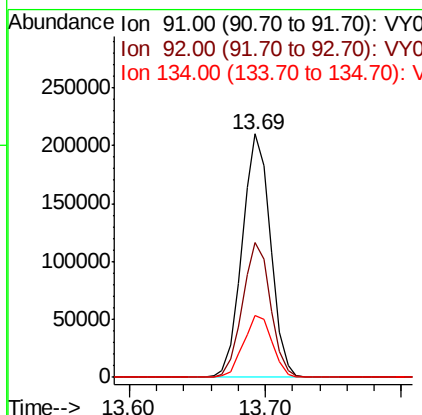
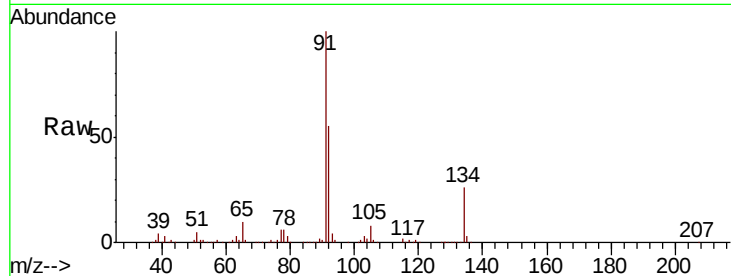
#89
n-Butylbenzene
Concen: 20.835 ug/l
RT: 13.69 min Scan# 1961
Delta R.T. 0.00 min
Lab File: VY001090.D
Acq: 27 Dec 2019 12:25

Instrument :
MSVOA_Y
ClientSampleId :
VY1227SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.6	26.9	80.7
134	25.8	12.7	38.0

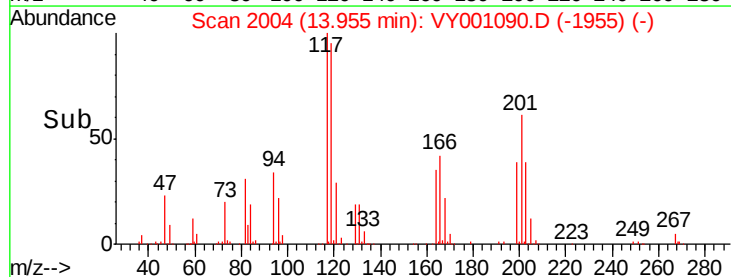
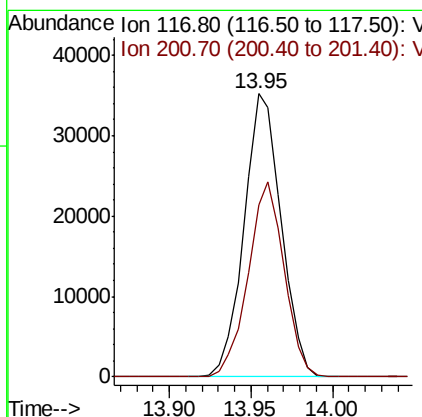
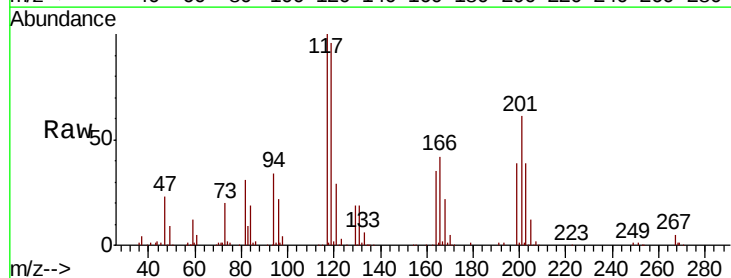
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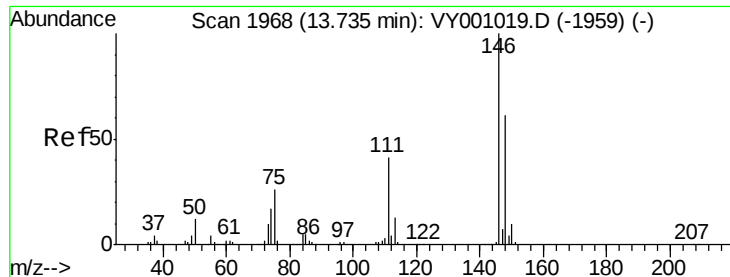
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#90
Hexachloroethane
Concen: 20.375 ug/l
RT: 13.95 min Scan# 2004
Delta R.T. 0.00 min
Lab File: VY001090.D
Acq: 27 Dec 2019 12:25

Tgt Ion	Ratio	Lower	Upper
117	100		
201	66.8	33.7	101.1





#91

1,2-Dichlorobenzene

Concen: 20.438 ug/l

RT: 13.74 min Scan# 1968

Delta R.T. 0.00 min

Lab File: VY001090.D

Acq: 27 Dec 2019 12:25

Instrument :

MSVOA_Y

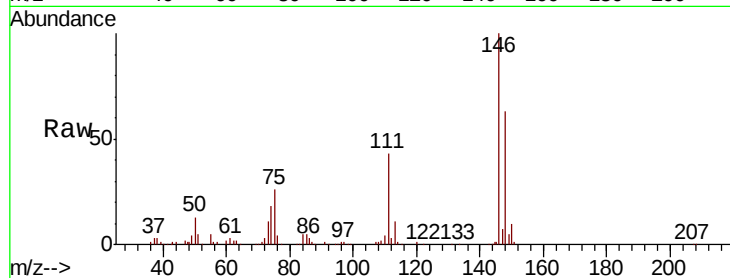
ClientSampleId :

VY1227SBS01

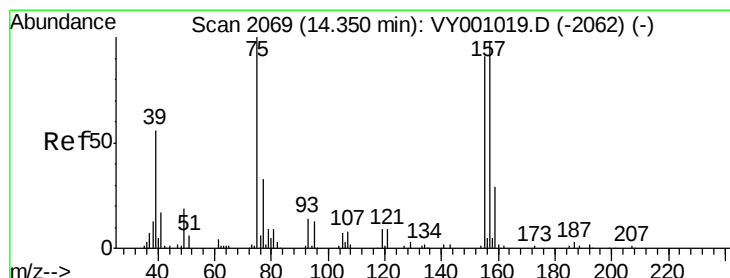
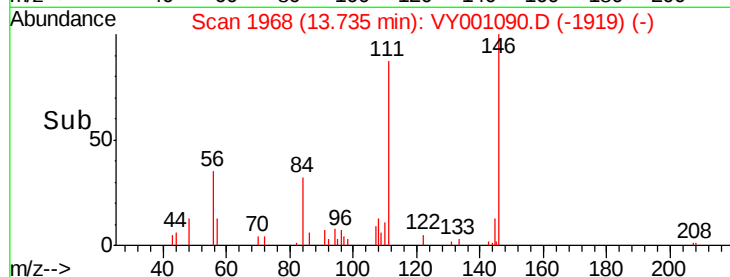
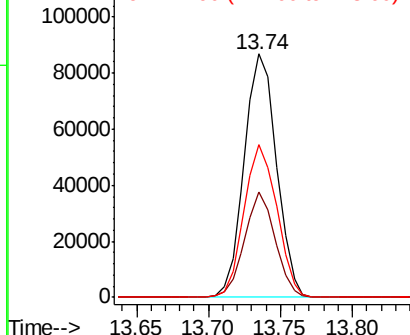
Tot Ion:	146	Resp:	134984
Ion Ratio	Lower	Upper	
146	100		
111	41.2	20.6	61.9
148	63.6	31.6	94.7

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Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.855 ug/l

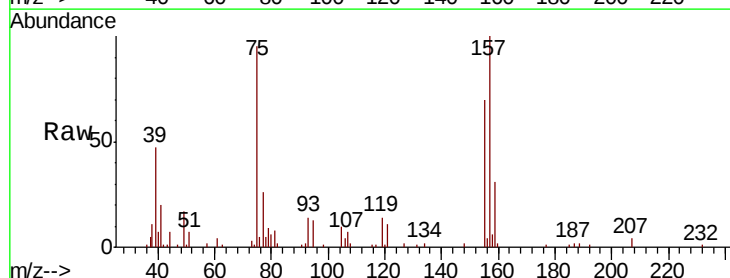
RT: 14.36 min Scan# 2070

Delta R.T. 0.01 min

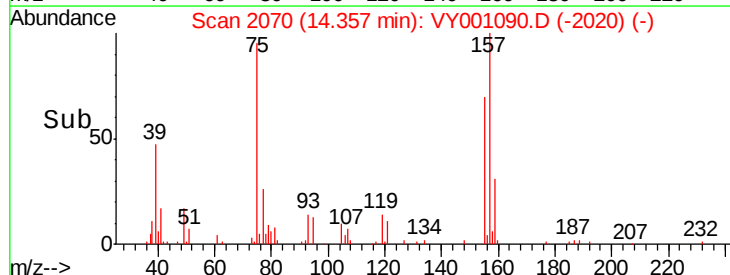
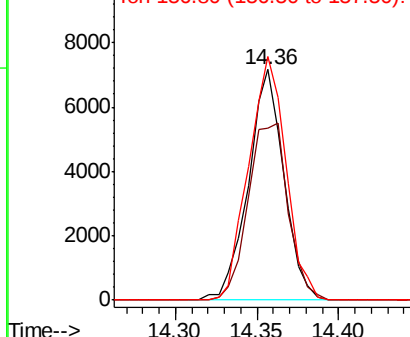
Lab File: VY001090.D

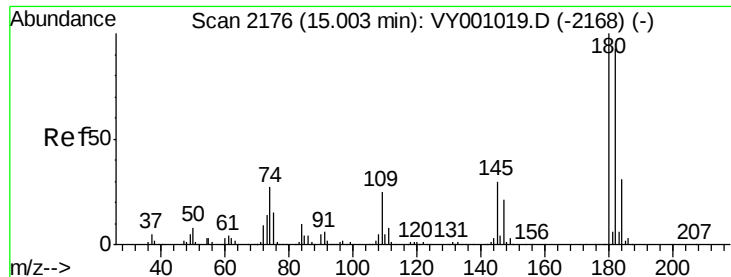
Acq: 27 Dec 2019 12:25

Tgt Ion:	75	Resp:	10847
Ion Ratio	Lower	Upper	
75	100		
155	86.3	46.3	138.9
157	110.7	58.1	174.4



Abundance Ion 74.90 (74.60 to 75.60): VY0
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V





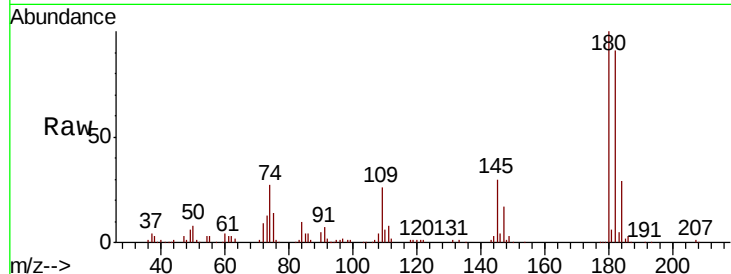
#93
 1,2,4-Trichlorobenzene
 Concen: 21.018 ug/l
 RT: 15.00 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VY001090.D
 Acq: 27 Dec 2019 12:25

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1227SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	93695		
182	92.9	46.8	140.3	
145	29.1	15.3	45.9	

Manual Integrations
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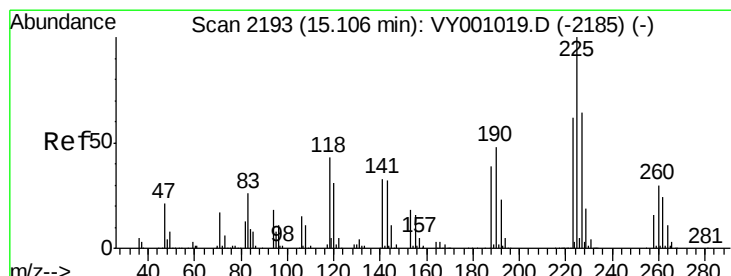
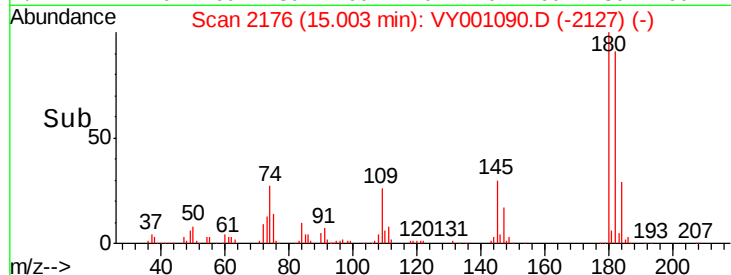
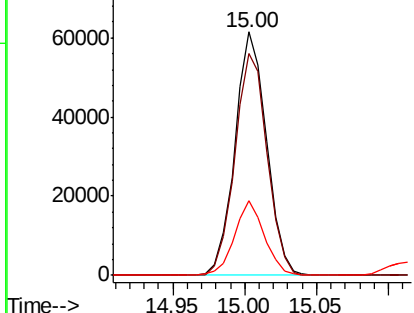


Abundance

Ion 179.80 (179.50 to 180.50): V

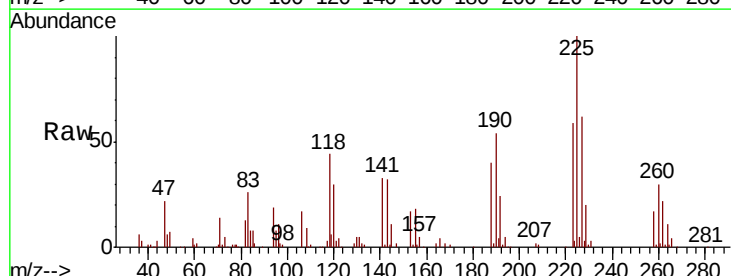
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 20.805 ug/l
 RT: 15.11 min Scan# 2193
 Delta R.T. 0.00 min
 Lab File: VY001090.D
 Acq: 27 Dec 2019 12:25

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	44135		
223	62.1	31.6	94.8	
227	65.3	31.9	95.5	

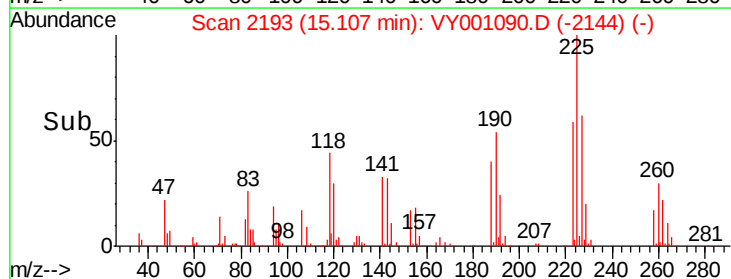
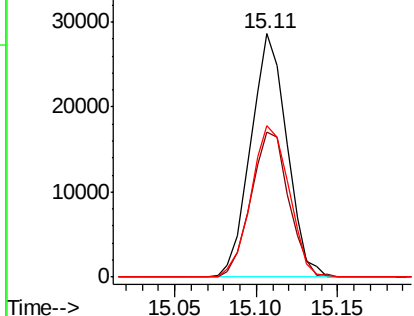


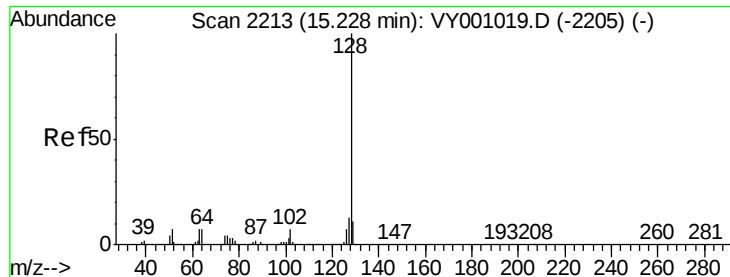
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





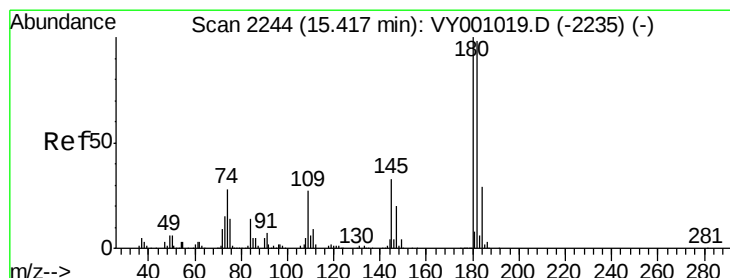
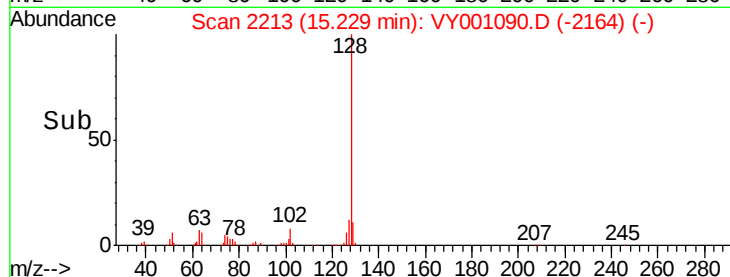
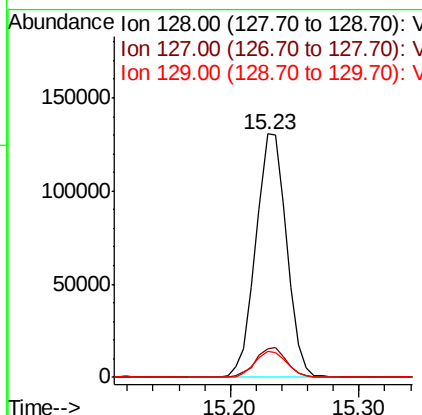
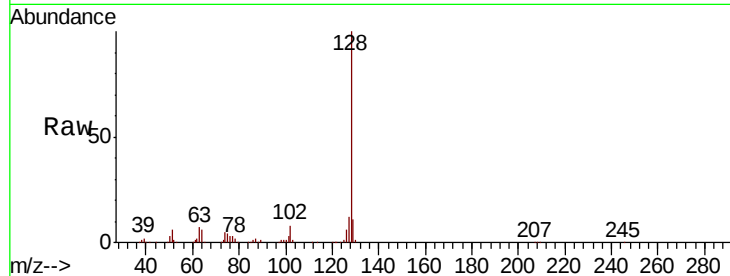
#95
Naphthalene
Concen: 20.516 ug/l
RT: 15.23 min Scan# 2213
Delta R.T. 0.00 min
Lab File: VY001090.D
Acq: 27 Dec 2019 12:25

Instrument :
MSVOA_Y
ClientSampleId :
VY1227SBS01

Tot Ion	Ratio	Resp Lower	Upper
128	100		
127	12.4	9.9	14.9
129	11.0	8.6	13.0

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 20.732 ug/l
RT: 15.42 min Scan# 2244
Delta R.T. 0.00 min
Lab File: VY001090.D
Acq: 27 Dec 2019 12:25

Tgt Ion	Ratio	Resp Lower	Upper
180	100		
182	94.7	47.9	143.8
145	32.1	16.3	48.9

