

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY122319\
 Data File : VY001034.D
 Acq On : 23 Dec 2019 17:22
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.89G/5ML/MSVOA Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

apatel
 12/24/2019 11:06:27 AM

Quant Time: Dec 24 05:38:35 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	266130	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	477186	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	437834	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	211545	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.14	65	145012	55.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.50%	
35) Dibromofluoromethane	7.72	113	146935	52.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.58%	
50) Toluene-d8	10.18	98	594067	54.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.20%	
62) 4-Bromofluorobenzene	12.48	95	203234	50.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	126115	54.383	ug/l	97
3) Chloromethane	2.11	50	165711	52.504	ug/l	97
4) Vinyl Chloride	2.25	62	163159	53.232	ug/l	96
5) Bromomethane	2.64	94	106099	55.868	ug/l	97
6) Chloroethane	2.79	64	105431	55.227	ug/l	97
7) Trichlorofluoromethane	3.13	101	237581	52.847	ug/l	95
8) Diethyl Ether	3.53	74	102117	55.646	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.90	101	163326	55.307	ug/l	99
10) Methyl Iodide	4.09	142	208752	51.163	ug/l	99
11) Tert butyl alcohol	4.96	59	82022	284.204	ug/l	99
12) 1,1-Dichloroethene	3.88	96	160758	53.769	ug/l	98
13) Acrolein	3.73	56	104504	292.247	ug/l	97
14) Allyl chloride	4.49	41	268944	57.905	ug/l	98
15) Acrylonitrile	5.17	53	276085	301.026	ug/l	98
16) Acetone	3.95	43	169855	280.901	ug/l	98
17) Carbon Disulfide	4.19	76	471491	48.261	ug/l	100
18) Methyl Acetate	4.47	43	142753	61.534	ug/l	98
19) Methyl tert-butyl Ether	5.22	73	449632	58.268	ug/l	99
20) Methylene Chloride	4.72	84	196909	55.325	ug/l	93
21) trans-1,2-Dichloroethene	5.22	96	180938	54.608	ug/l	93
22) Diisopropyl ether	6.13	45	571408	60.866	ug/l	99
23) Vinyl Acetate	6.07	43	1786643	301.346	ug/l	100
24) 1,1-Dichloroethane	6.02	63	316695	57.085	ug/l	98
25) 2-Butanone	6.99	43	323866	304.882	ug/l	97
26) 2,2-Dichloropropane	6.99	77	251898	55.265	ug/l	99
27) cis-1,2-Dichloroethene	6.99	96	209160	57.458	ug/l	99
28) Bromochloromethane	7.34	49	121815	56.275	ug/l	100
29) Tetrahydrofuran	7.35	42	226666	299.975	ug/l	99
30) Chloroform	7.51	83	307584	58.633	ug/l	97
31) Cyclohexane	7.79	56	293396	50.293	ug/l	98
32) 1,1,1-Trichloroethane	7.71	97	249363	55.724	ug/l	99
36) 1,1-Dichloropropene	7.93	75	243444	53.477	ug/l	100
37) Ethyl Acetate	7.08	43	142757	56.635	ug/l	98
38) Carbon Tetrachloride	7.91	117	216281	54.226	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.18	83	317758	52.563	ug/l	98
40) Benzene	8.16	78	753937	54.897	ug/l	96
41) Methacrylonitrile	7.32	41	61317m	56.108	ug/l	
42) 1,2-Dichloroethane	8.24	62	186753	56.876	ug/l	99
43) Isopropyl Acetate	8.28	43	273530	58.620	ug/l	99
44) Trichloroethene	8.94	130	198109	54.748	ug/l	100
45) 1,2-Dichloropropane	9.22	63	194506	56.455	ug/l	99
46) Dibromomethane	9.31	93	102977	57.982	ug/l	99
47) Bromodichloromethane	9.50	83	233718	56.811	ug/l	99
48) Methyl methacrylate	9.29	41	117641	59.080	ug/l	98
49) 1,4-Dioxane	9.30	88	30993	1192.941	ug/l	95
51) 4-Methyl-2-Pentanone	10.07	43	731832	300.909	ug/l	99
52) Toluene	10.24	92	469842	55.583	ug/l	99
53) t-1,3-Dichloropropene	10.46	75	261961	58.673	ug/l	96
54) cis-1,3-Dichloropropene	9.93	75	308108	57.390	ug/l	97
55) 1,1,2-Trichloroethane	10.64	97	156161	58.897	ug/l	94
56) Ethyl methacrylate	10.51	69	226308	59.972	ug/l	99
57) 1,3-Dichloropropane	10.79	76	269683	58.028	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.78	63	437283	300.023	ug/l	98
59) 2-Hexanone	10.83	43	503726	299.329	ug/l	99
60) Dibromochloromethane	10.98	129	169866	59.977	ug/l	98
61) 1,2-Dibromoethane	11.08	107	147317	58.103	ug/l	100
64) Tetrachloroethene	10.72	164	204738	54.045	ug/l	98
65) Chlorobenzene	11.51	112	489482	53.896	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.59	131	170462	56.875	ug/l	99
67) Ethyl Benzene	11.59	91	901141	55.164	ug/l	100
68) m/p-Xylenes	11.70	106	679470	109.547	ug/l	99
69) o-Xylene	12.02	106	325198	55.731	ug/l	99
70) Styrene	12.04	104	557618	56.201	ug/l	99
71) Bromoform	12.20	173	98530	59.041	ug/l #	97
73) Isopropylbenzene	12.33	105	850945	51.981	ug/l	100
74) N-amyl acetate	12.14	43	238605	55.481	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.58	83	177818	55.138	ug/l	100
76) 1,2,3-Trichloropropane	12.63	75	139020m	53.307	ug/l	
77) Bromobenzene	12.60	156	192565	52.302	ug/l	99
78) n-propylbenzene	12.67	91	1040155	52.145	ug/l	100
79) 2-Chlorotoluene	12.75	91	574459	52.149	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	706158	52.625	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	68305	55.860	ug/l	97
82) 4-Chlorotoluene	12.85	91	598967	52.349	ug/l	99
83) tert-Butylbenzene	13.07	119	599033	53.181	ug/l	99
84) 1,2,4-Trimethylbenzene	13.11	105	705417	52.314	ug/l	99
85) sec-Butylbenzene	13.25	105	874684	52.673	ug/l	100
86) p-Isopropyltoluene	13.36	119	764795	53.226	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	375414	53.091	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	374960	52.565	ug/l	100
89) n-Butylbenzene	13.69	91	761713	52.690	ug/l	99
90) Hexachloroethane	13.95	117	144535	53.390	ug/l	99
91) 1,2-Dichlorobenzene	13.73	146	341507	52.356	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.35	75	29319	54.339	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	233416	53.016	ug/l	99
94) Hexachlorobutadiene	15.11	225	112567	53.728	ug/l	99
95) Naphthalene	15.23	128	555157	53.618	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	210503	53.613	ug/l	99

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

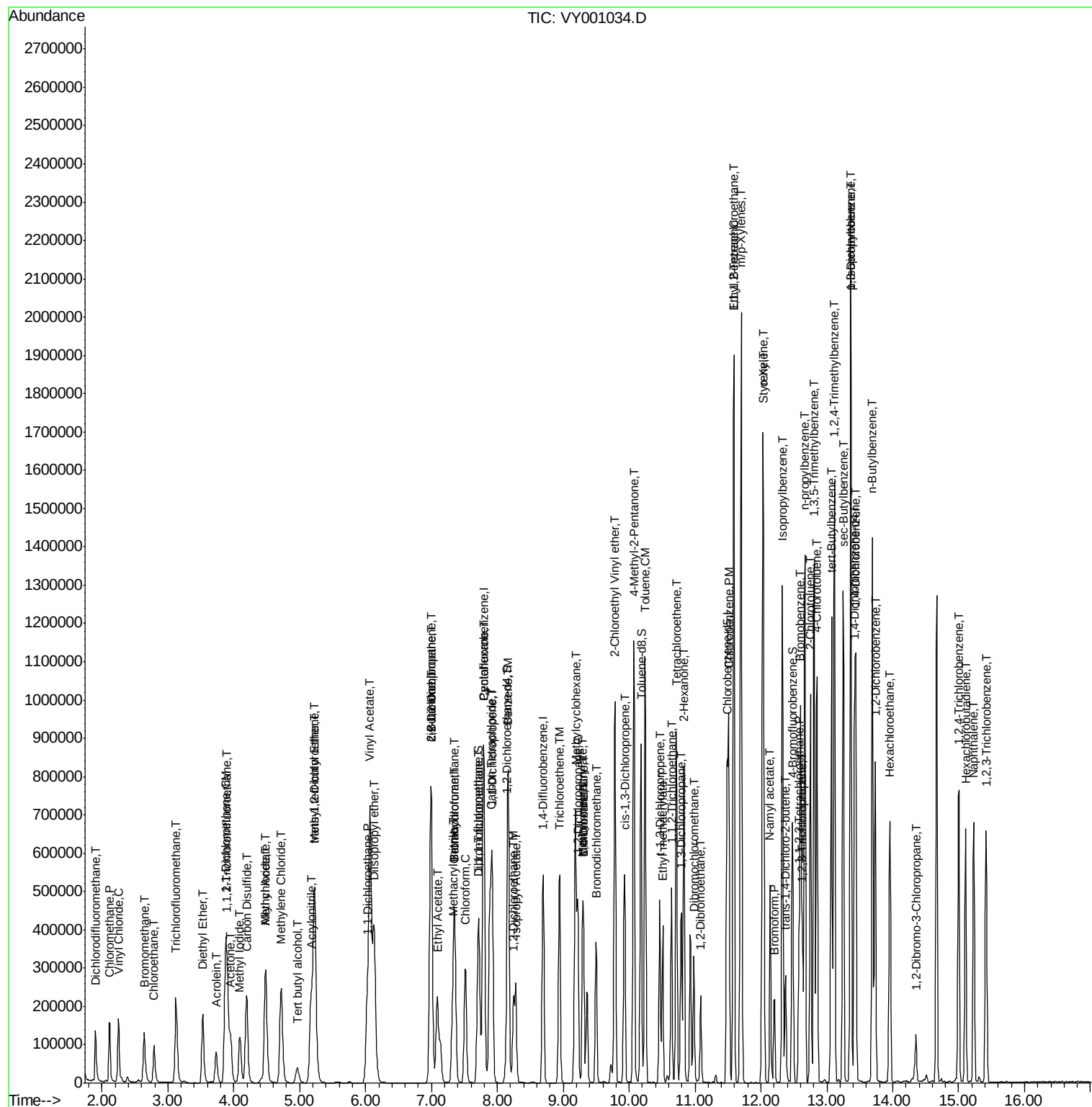
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Data File : VY001034.D
Acq On : 23 Dec 2019 17:22
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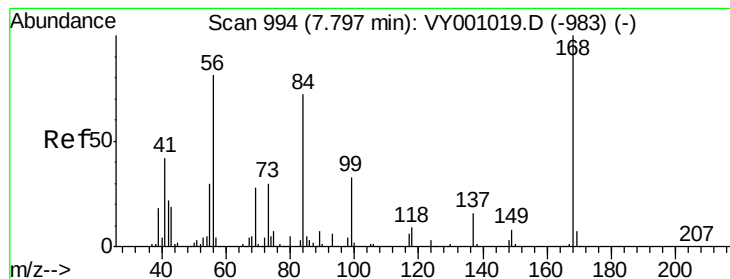
Instrument :
MSVOA_Y
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.00 min

Lab File: VY001034.D

Acq: 23 Dec 2019 17:22

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 266130

Ion Ratio Lower Upper

168 100

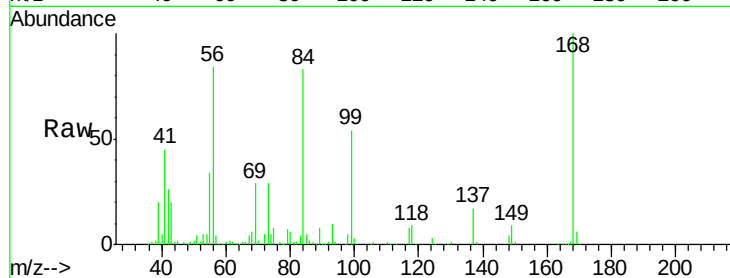
99 54.4 44.0 66.0

Manual Integrations

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

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

7.80

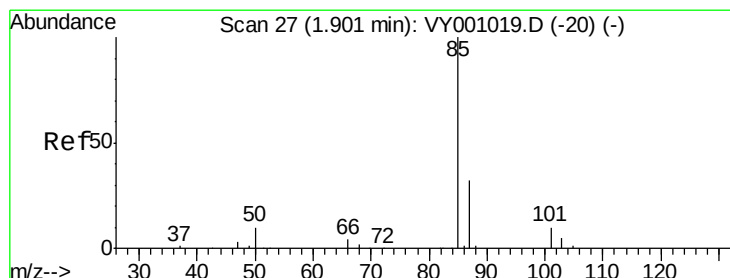
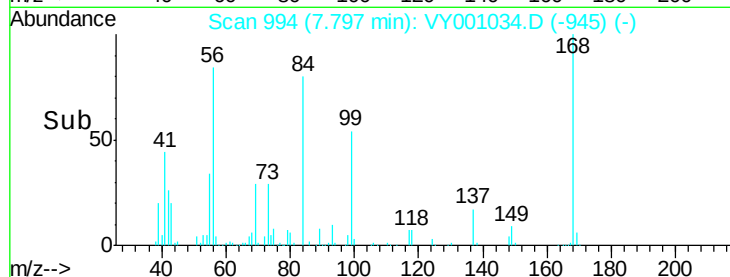
100000

50000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 54.383 ug/l

RT: 1.90 min Scan# 27

Delta R.T. 0.00 min

Lab File: VY001034.D

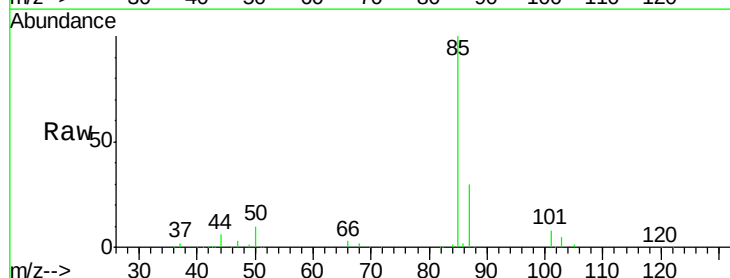
Acq: 23 Dec 2019 17:22

Tgt Ion: 85 Resp: 126115

Ion Ratio Lower Upper

85 100

87 30.2 15.9 47.7



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

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

1.90

80000

60000

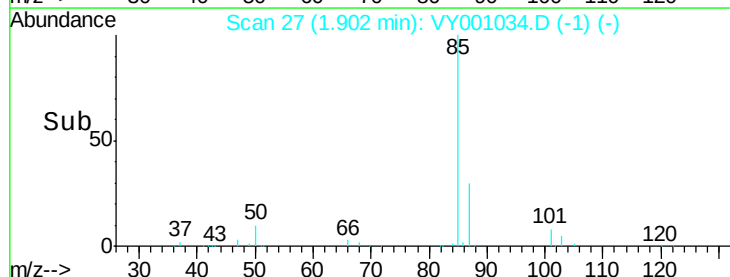
40000

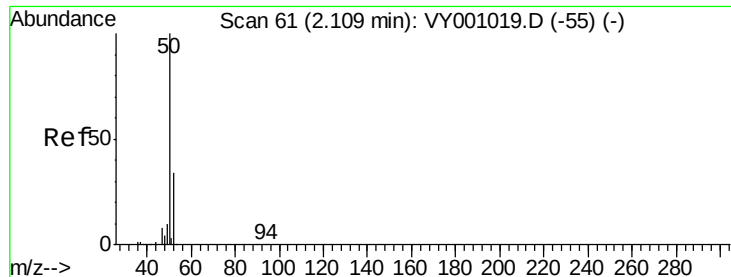
20000

0

1.80 1.90 2.00

Time-->





#3

Chloromethane

Concen: 52.504 ug/l

RT: 2.11 min Scan# 61

Delta R.T. 0.00 min

Lab File: VY001034.D

Acq: 23 Dec 2019 17:22

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 165711

Ion Ratio Lower Upper

50 100

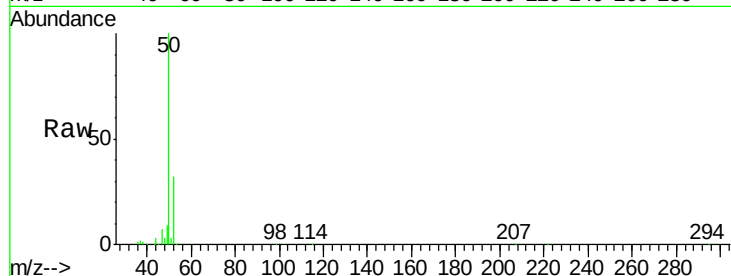
52 32.2 27.1 40.7

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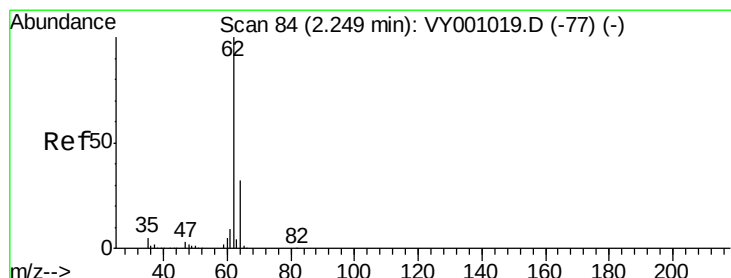
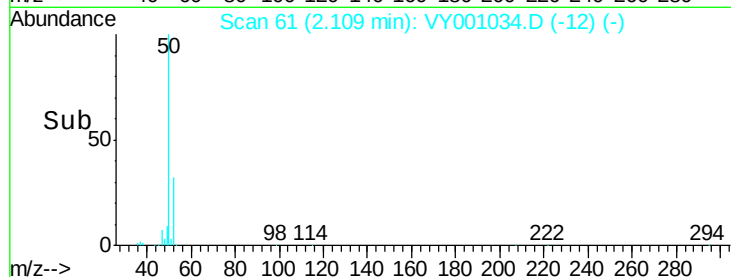
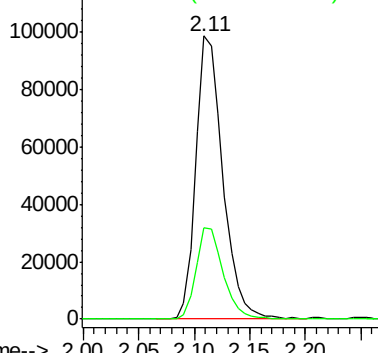
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Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



#4

Vinyl Chloride

Concen: 53.232 ug/l

RT: 2.25 min Scan# 84

Delta R.T. 0.00 min

Lab File: VY001034.D

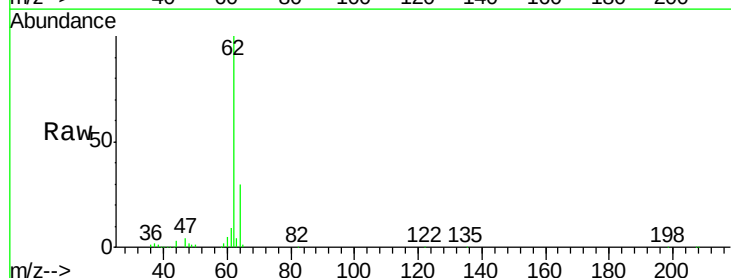
Acq: 23 Dec 2019 17:22

Tgt Ion: 62 Resp: 163159

Ion Ratio Lower Upper

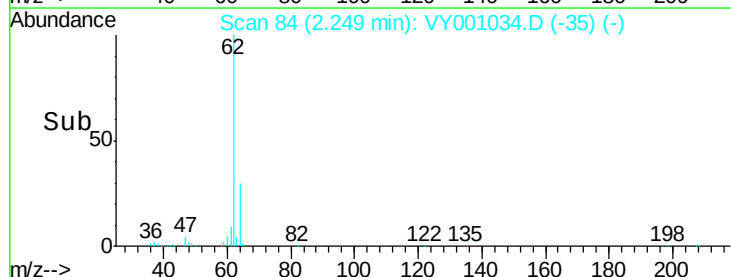
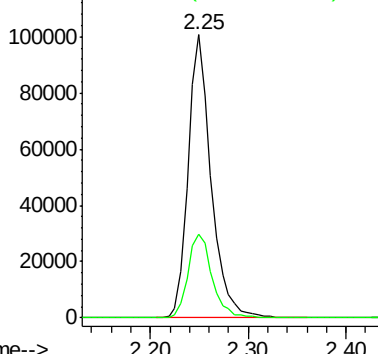
62 100

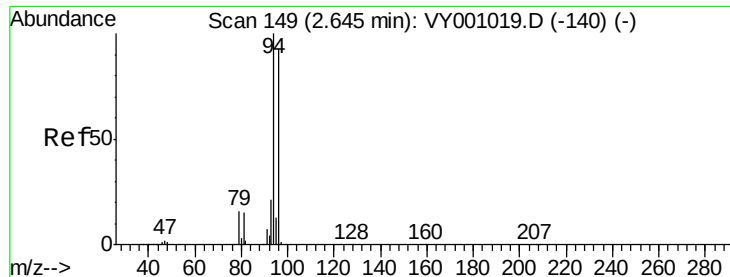
64 29.7 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0





#5

Bromomethane

Concen: 55.868 ug/l

RT: 2.64 min Scan# 148

Delta R.T. -0.01 min

Lab File: VY001034.D

Acq: 23 Dec 2019 17:22

Instrument :

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ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 106099

Ion Ratio Lower Upper

94 100

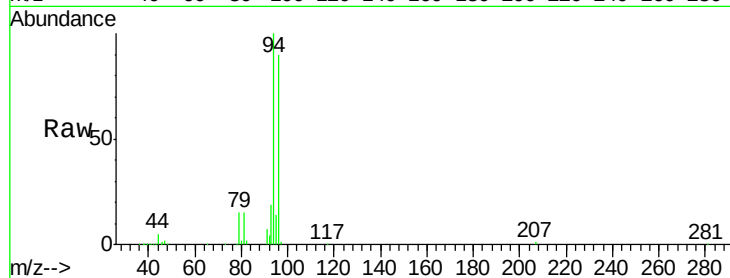
96 89.6 74.2 111.4

Manual Integrations

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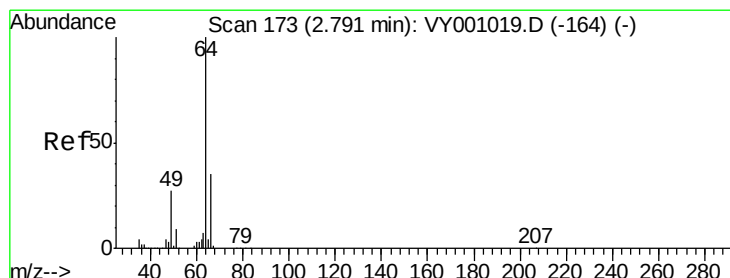
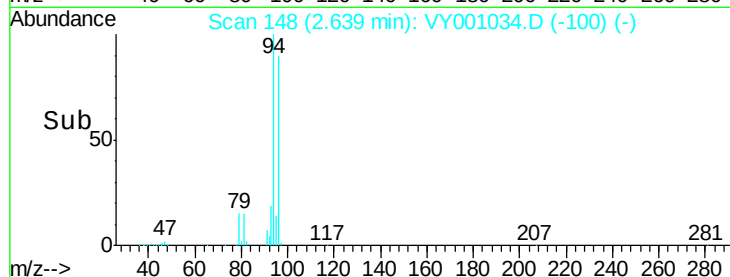
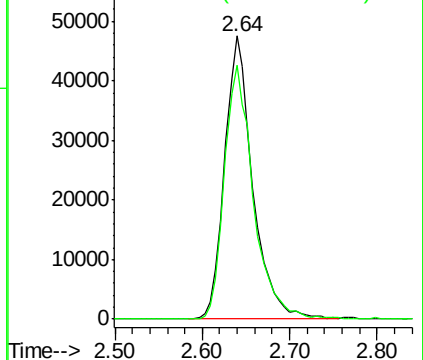
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Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 55.227 ug/l

RT: 2.79 min Scan# 173

Delta R.T. 0.00 min

Lab File: VY001034.D

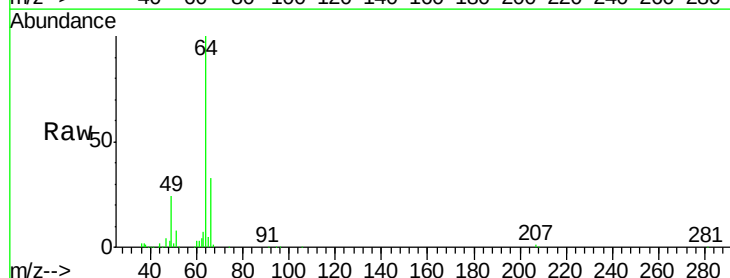
Acq: 23 Dec 2019 17:22

Tgt Ion: 64 Resp: 105431

Ion Ratio Lower Upper

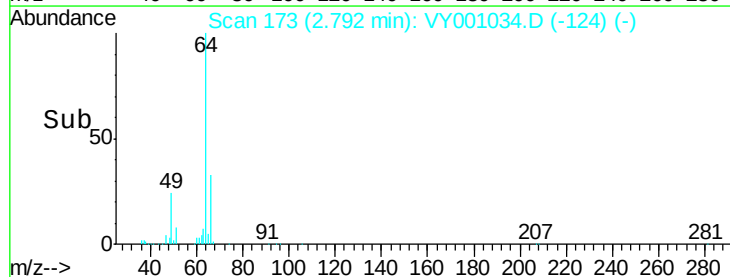
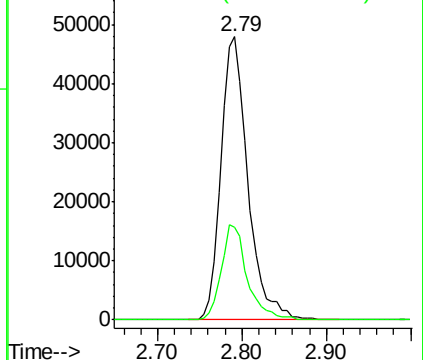
64 100

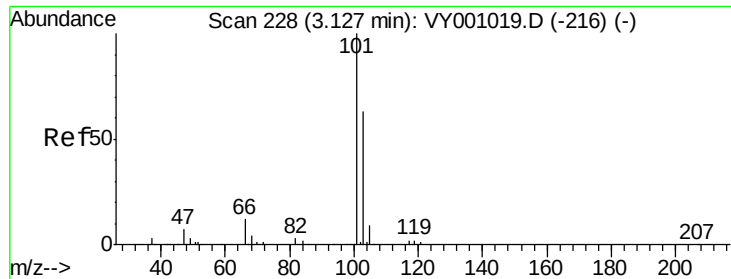
66 32.8 27.8 41.6



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

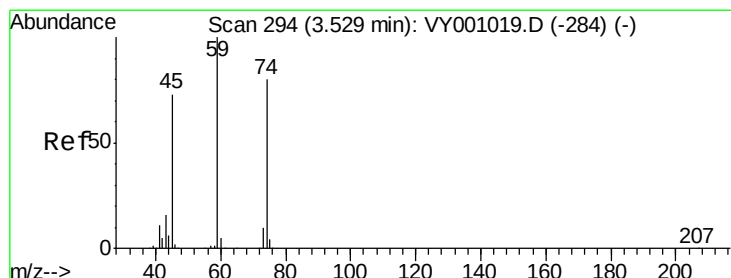
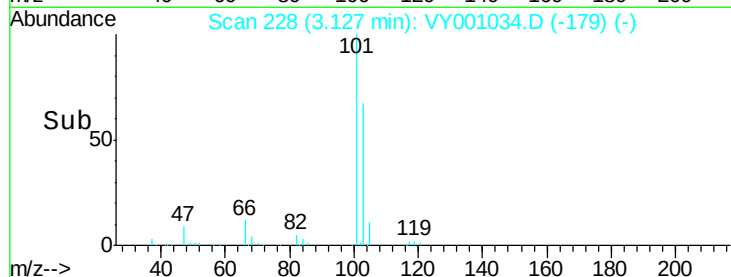
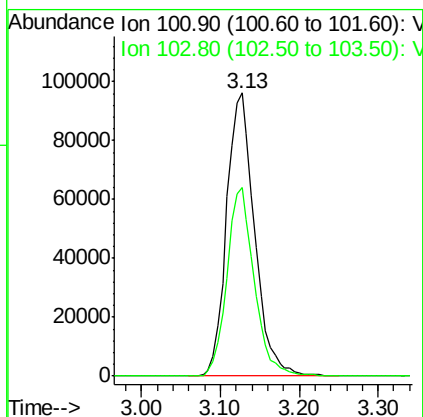
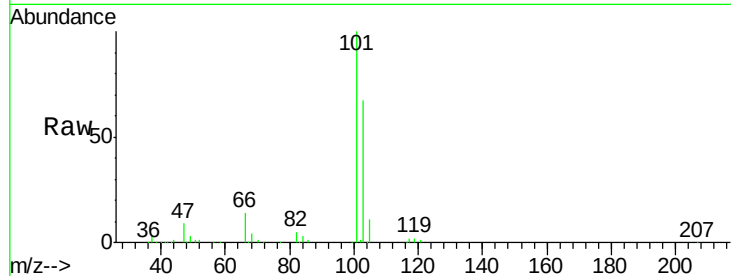
Trichlorofluoromethane
 Concen: 52.847 ug/l
 RT: 3.13 min Scan# 228
 Delta R.T. 0.00 min
 Lab File: VY001034.D
 Acq: 23 Dec 2019 17:22

Instrument :
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 ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	66.5	50.2	75.2

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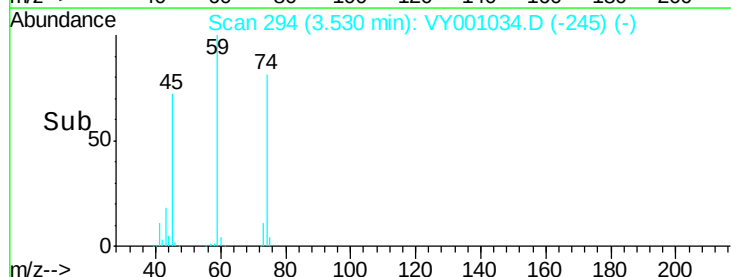
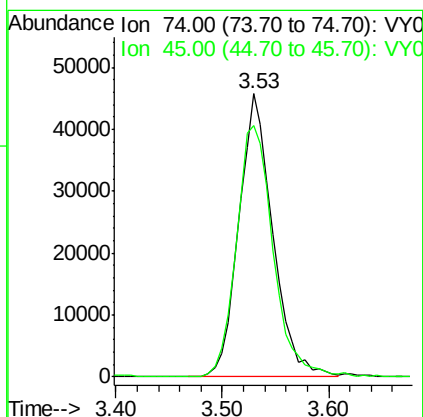
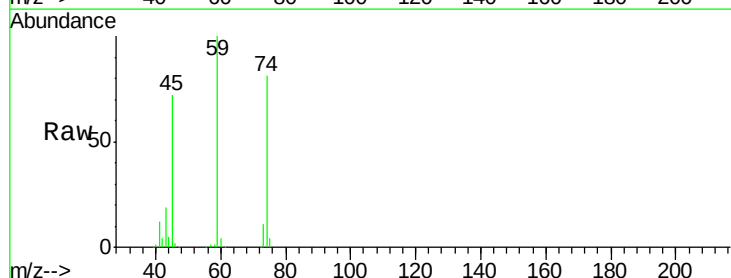
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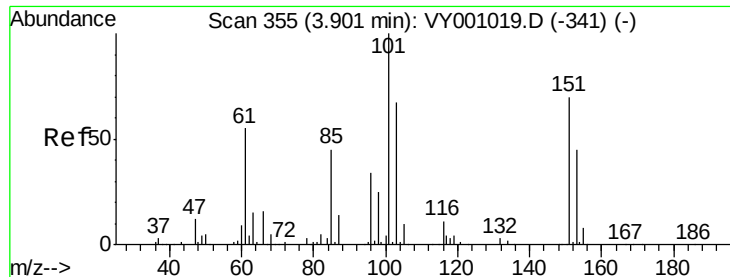


#8

Diethyl Ether
 Concen: 55.646 ug/l
 RT: 3.53 min Scan# 294
 Delta R.T. 0.00 min
 Lab File: VY001034.D
 Acq: 23 Dec 2019 17:22

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.0	46.4	139.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 55.307 ug/l

RT: 3.90 min Scan# 355

Delta R.T. 0.00 min

Lab File: VY001034.D

Acq: 23 Dec 2019 17:22

Instrument :

MSVOA_Y

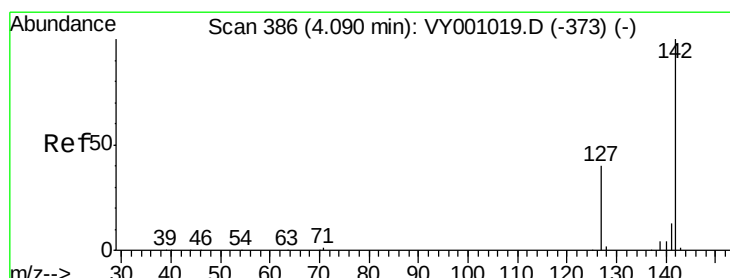
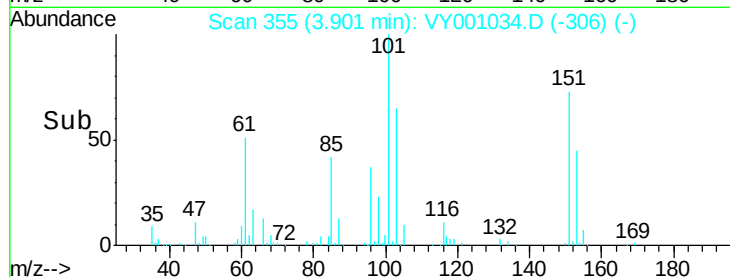
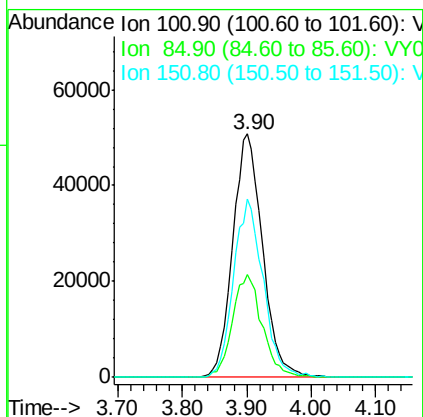
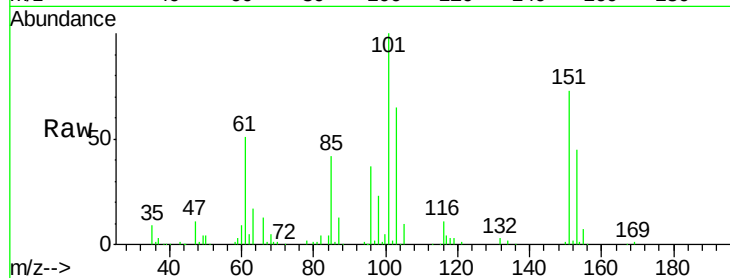
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	163326
Ion Ratio	Lower	Upper	
101	100		
85	42.3	34.2	51.2
151	72.7	57.0	85.6

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#10

Methyl Iodide

Concen: 51.163 ug/l

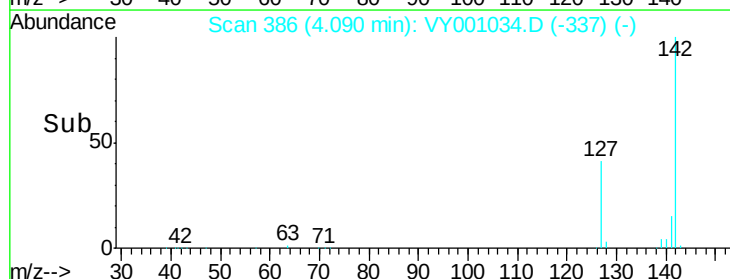
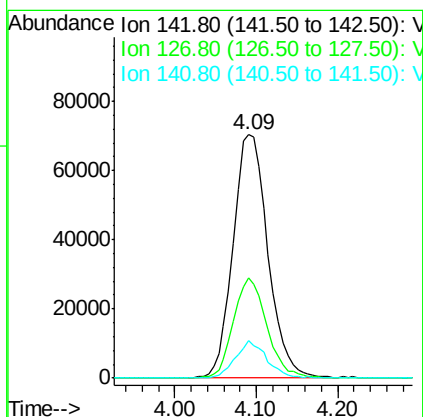
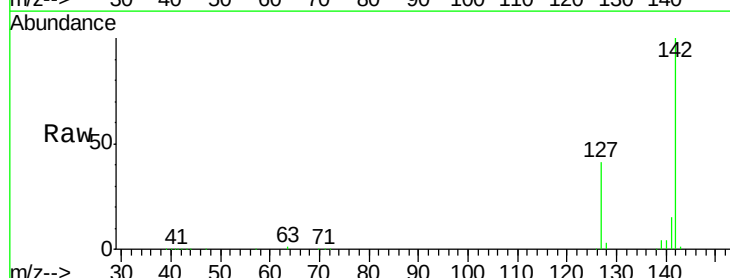
RT: 4.09 min Scan# 386

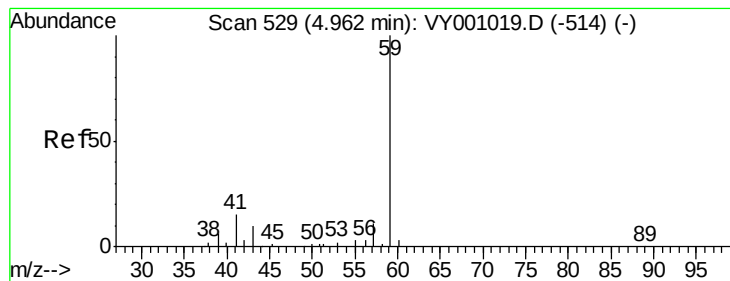
Delta R.T. 0.00 min

Lab File: VY001034.D

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Tgt Ion:	142	Resp:	208752
Ion Ratio	Lower	Upper	
142	100		
127	39.6	31.2	46.8
141	13.6	11.0	16.4





#11

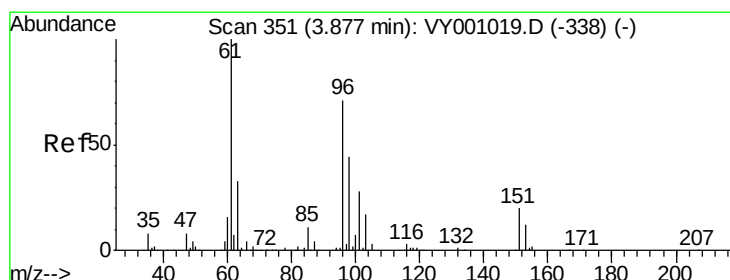
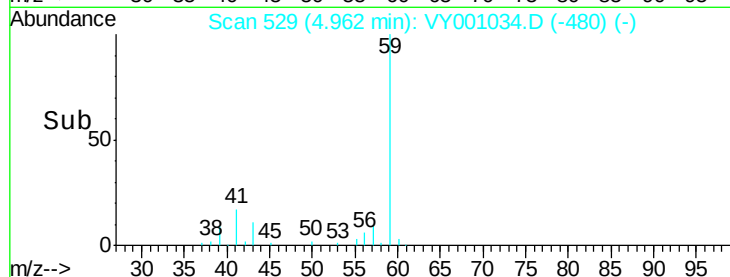
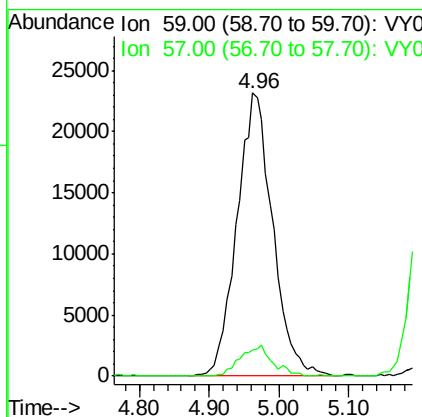
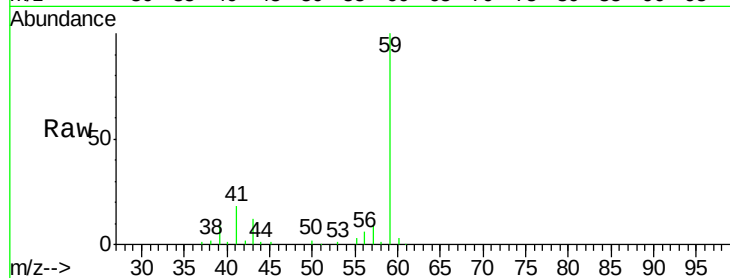
Tert butyl alcohol
 Concen: 284.204 ug/l
 RT: 4.96 min Scan# 529
 Delta R.T. 0.00 min
 Lab File: VY001034.D
 Acq: 23 Dec 2019 17:22

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.0	7.8	11.6

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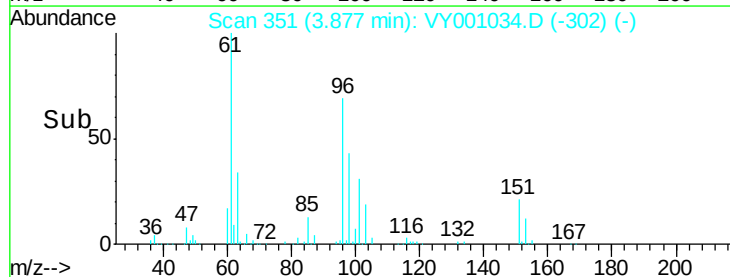
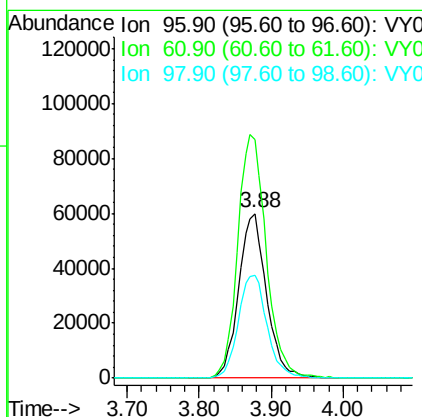
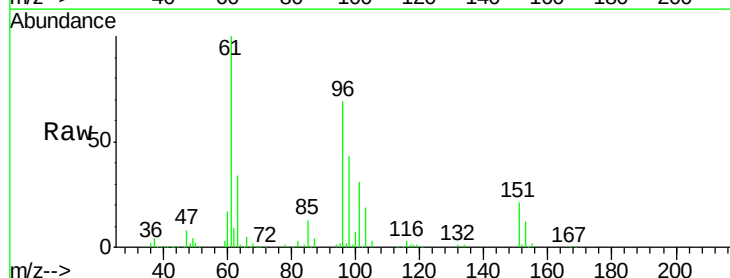
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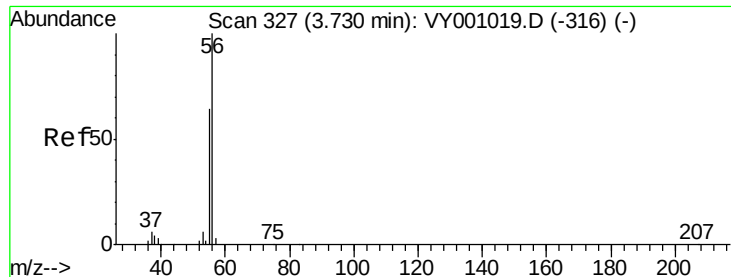


#12

1,1-Dichloroethene
 Concen: 53.769 ug/l
 RT: 3.88 min Scan# 351
 Delta R.T. 0.00 min
 Lab File: VY001034.D
 Acq: 23 Dec 2019 17:22

Tgt Ion	Ratio	Lower	Upper
96	100		
61	144.6	113.0	169.4
98	62.3	49.8	74.8





#13

Acrolein

Concen: 292.247 ug/l

RT: 3.73 min Scan# 327

Delta R.T. 0.00 min

Lab File: VY001034.D

Acq: 23 Dec 2019 17:22

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 104504

Ion Ratio Lower Upper

56 100

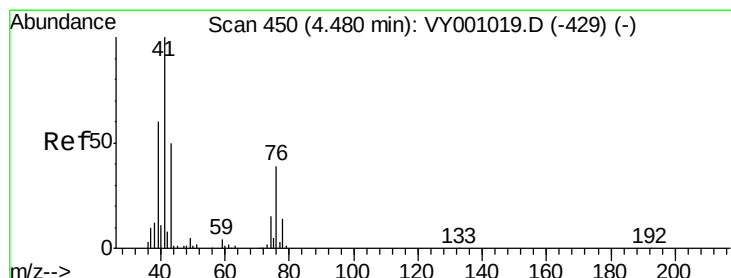
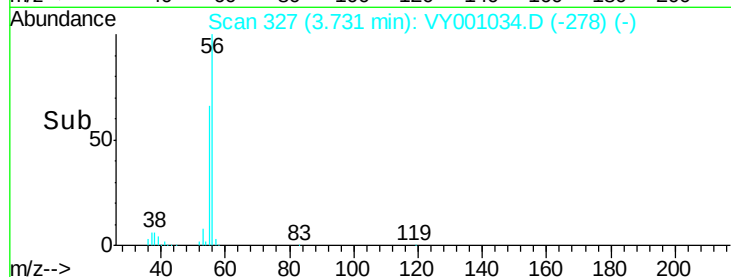
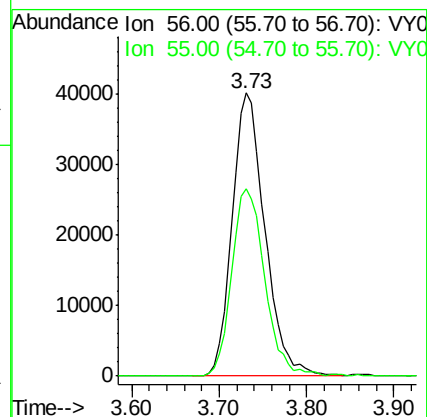
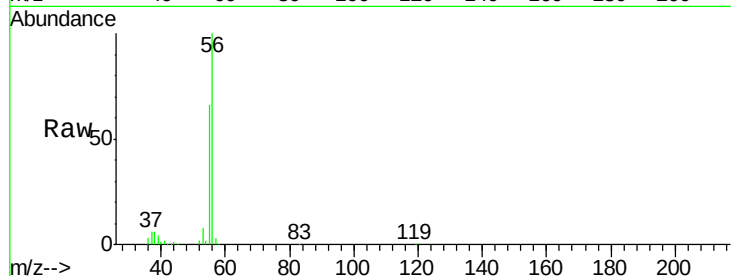
55 66.7 55.6 83.4

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#14

Allyl chloride

Concen: 57.905 ug/l

RT: 4.49 min Scan# 451

Delta R.T. 0.01 min

Lab File: VY001034.D

Acq: 23 Dec 2019 17:22

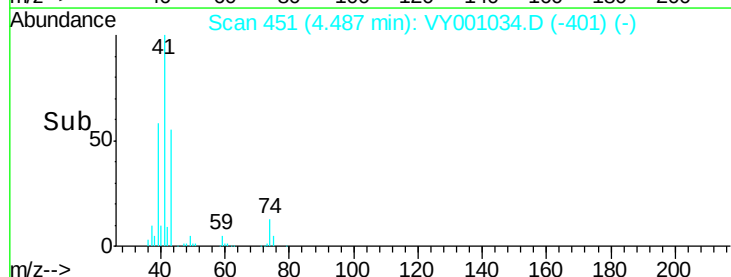
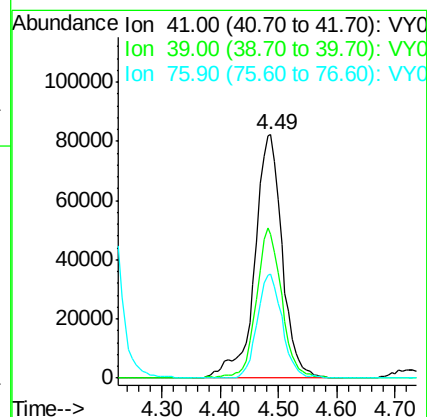
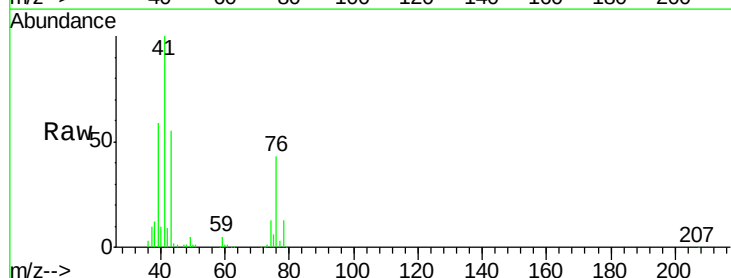
Tgt Ion: 41 Resp: 268944

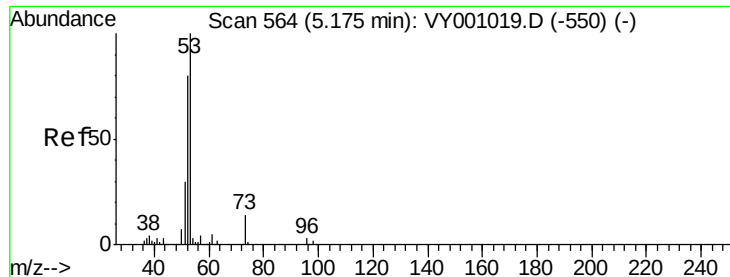
Ion Ratio Lower Upper

41 100

39 57.0 46.0 69.0

76 38.8 32.6 48.8





#15

Acrylonitrile

Concen: 301.026 ug/l

RT: 5.17 min Scan# 563

Delta R.T. -0.01 min

Lab File: VY001034.D

Acq: 23 Dec 2019 17:22

Instrument :

MSVOA_Y

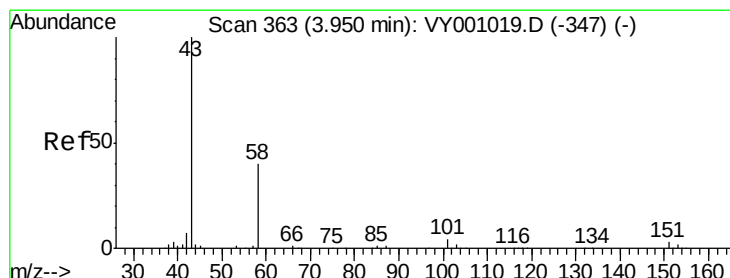
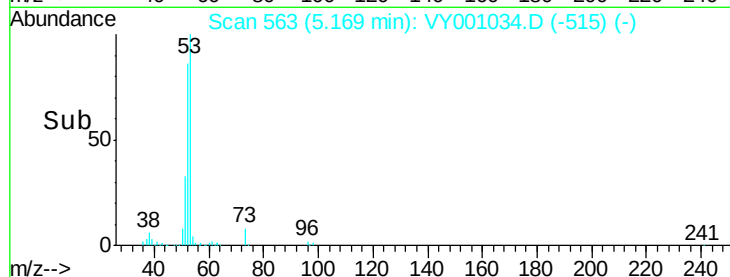
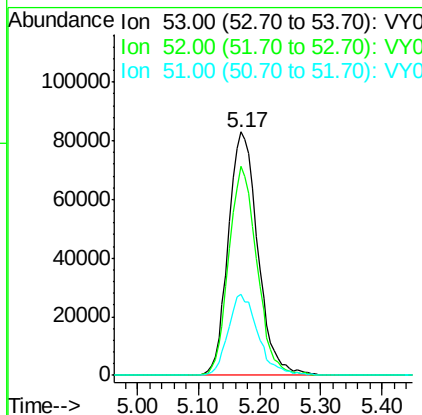
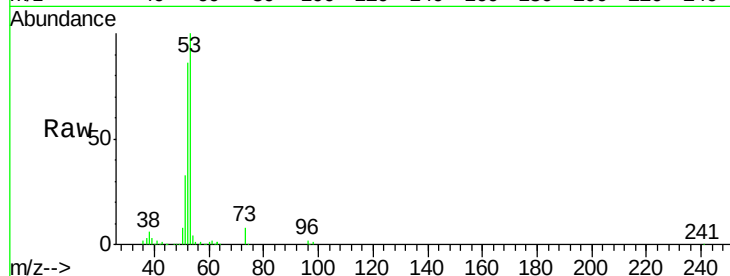
ClientSampleId :

VSTDCCC050EC

Tot Ion	53	Resp	276085
Ion Ratio	Lower	Upper	
53	100		
52	81.8	63.6	95.4
51	33.8	26.7	40.1

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#16

Acetone

Concen: 280.901 ug/l

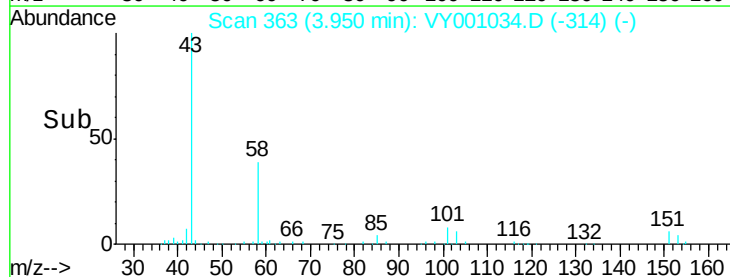
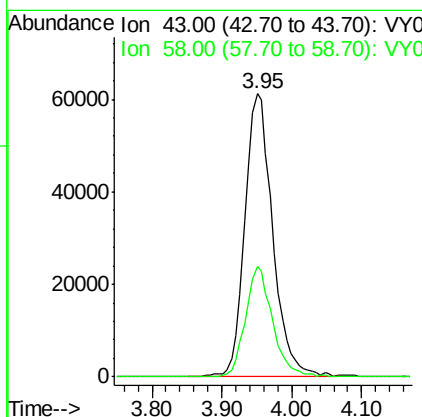
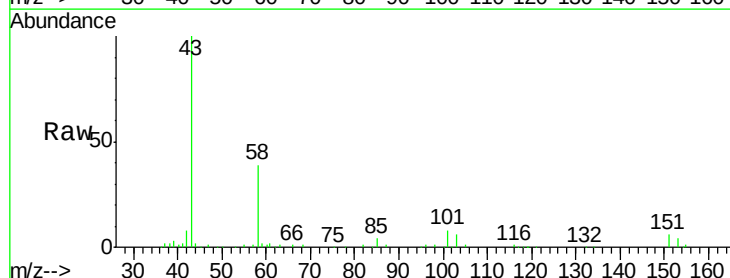
RT: 3.95 min Scan# 363

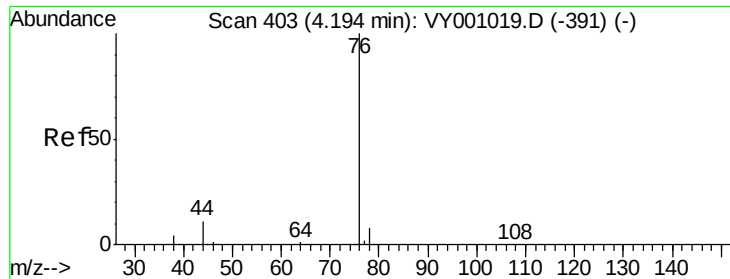
Delta R.T. 0.00 min

Lab File: VY001034.D

Acq: 23 Dec 2019 17:22

Tgt Ion	43	Resp	169855
Ion Ratio	Lower	Upper	
43	100		
58	39.1	32.1	48.1





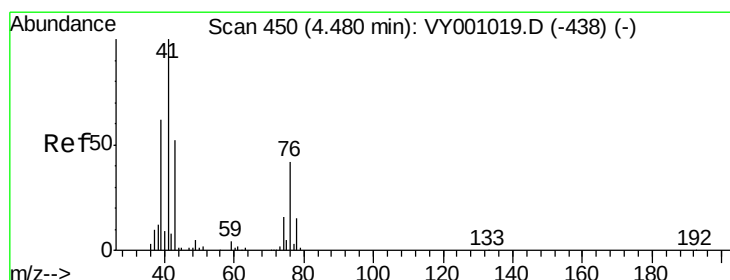
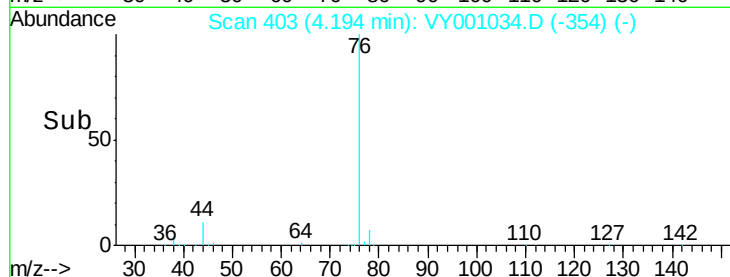
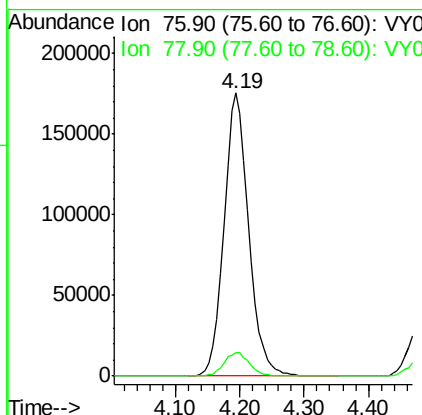
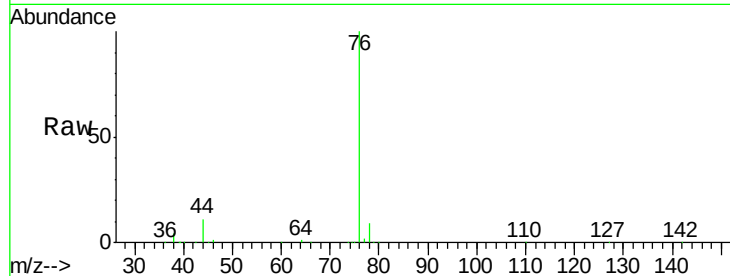
#17
Carbon Disulfide
Concen: 48.261 ug/l
RT: 4.19 min Scan# 403
Delta R.T. 0.00 min
Lab File: VY001034.D
Acq: 23 Dec 2019 17:22

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.5	6.7	10.1

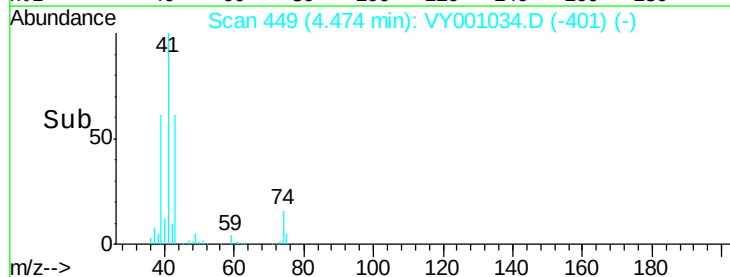
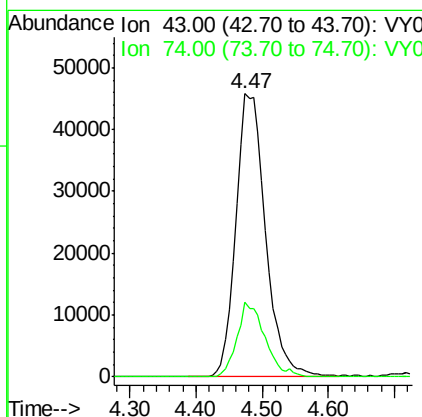
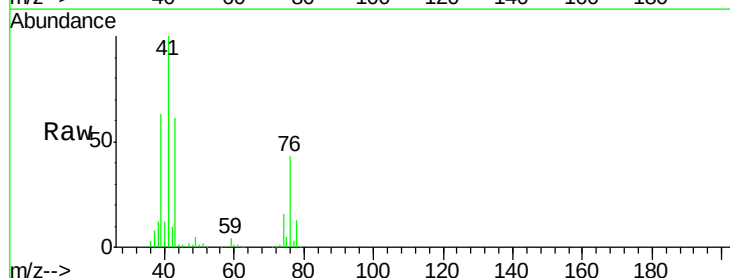
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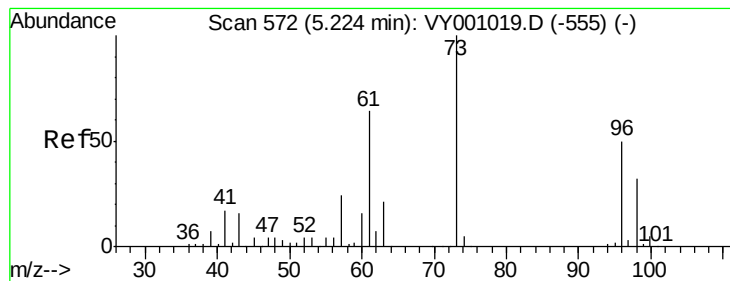
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#18
Methyl Acetate
Concen: 61.534 ug/l
RT: 4.47 min Scan# 449
Delta R.T. -0.01 min
Lab File: VY001034.D
Acq: 23 Dec 2019 17:22

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.9	20.7	31.1





#19

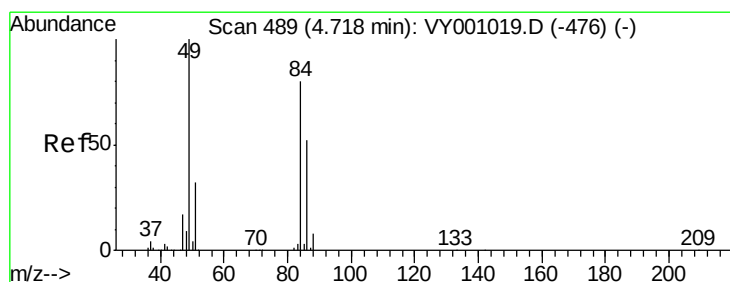
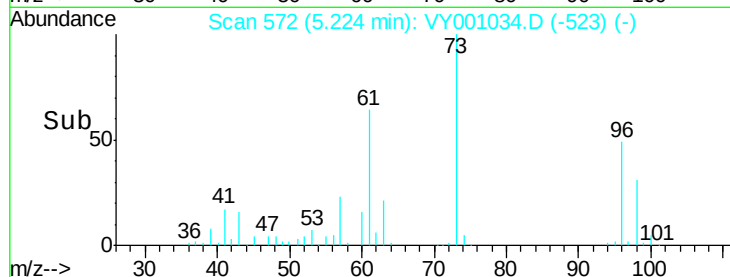
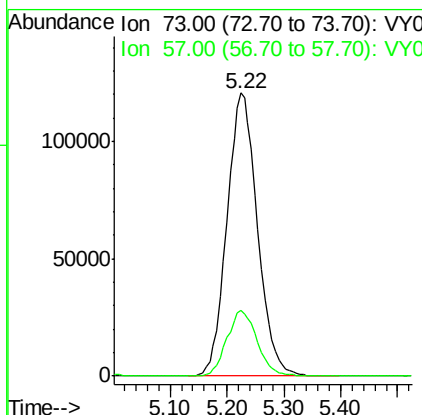
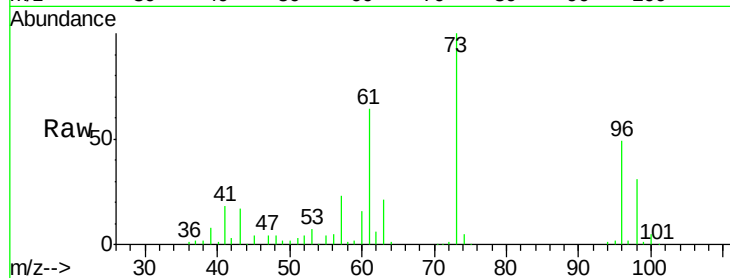
Methyl tert-butyl Ether
 Concen: 58.268 ug/l
 RT: 5.22 min Scan# 572
 Delta R.T. 0.00 min
 Lab File: VY001034.D
 Acq: 23 Dec 2019 17:22

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.3	19.0	28.6

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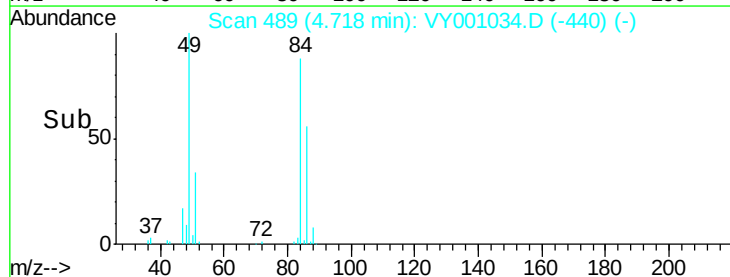
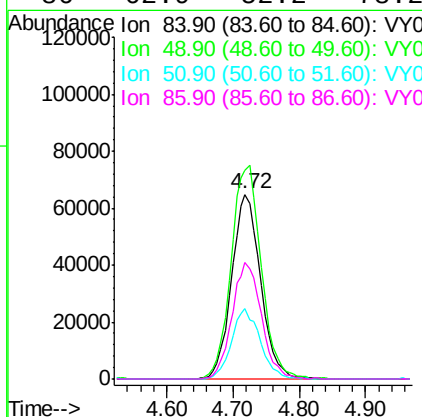
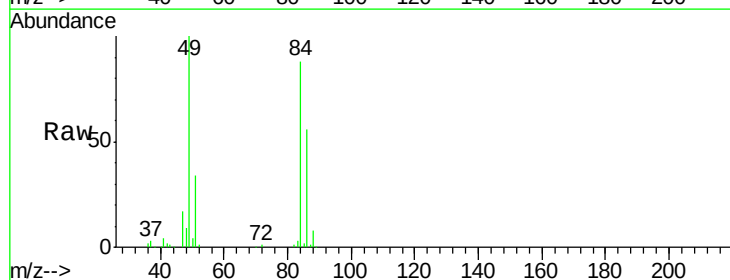
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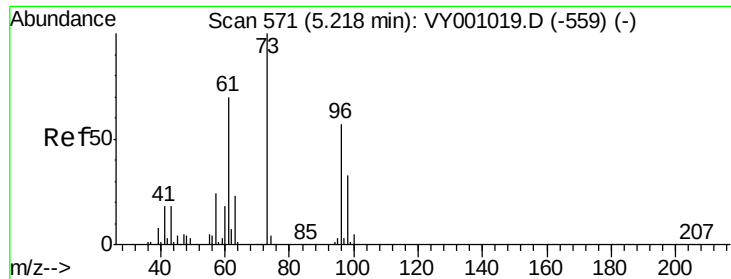


#20

Methylene Chloride
 Concen: 55.325 ug/l
 RT: 4.72 min Scan# 489
 Delta R.T. 0.00 min
 Lab File: VY001034.D
 Acq: 23 Dec 2019 17:22

Tgt Ion	Ratio	Lower	Upper
84	100		
49	113.1	99.8	149.6
51	38.1	31.4	47.2
86	62.9	52.2	78.2





#21

trans-1,2-Dichloroethene

Concen: 54.608 ug/l

RT: 5.22 min Scan# 572

Delta R.T. 0.01 min

Lab File: VY001034.D

Acq: 23 Dec 2019 17:22

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 180938

Ion Ratio Lower Upper

96 100

61 131.3 98.1 147.1

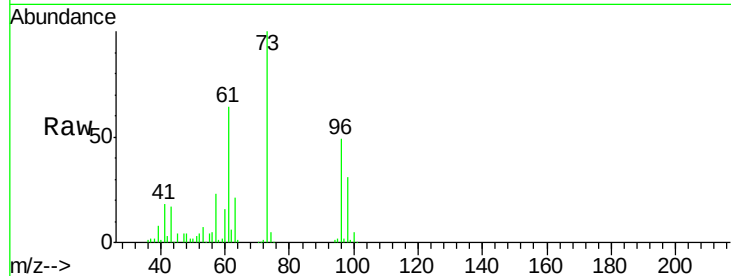
98 64.2 47.2 70.8

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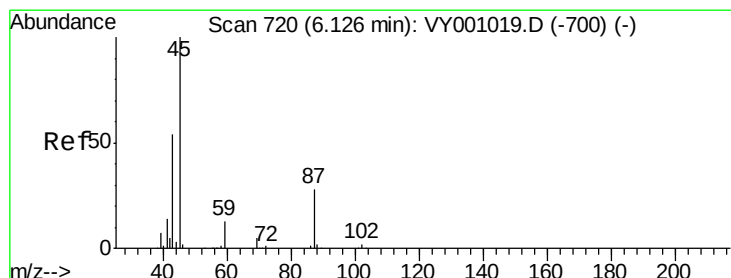
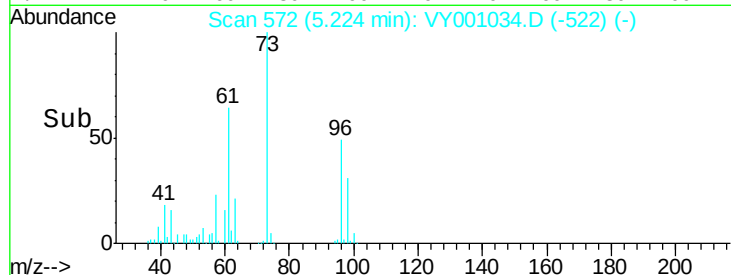
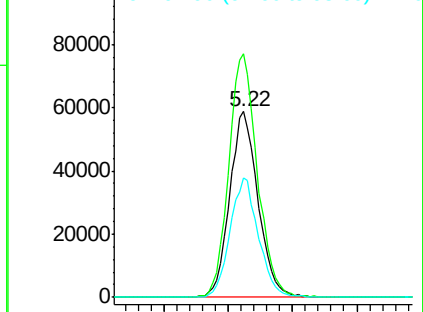


Abundance

Ion 95.90 (95.60 to 96.60): VY0

Ion 60.90 (60.60 to 61.60): VY0

Ion 97.90 (97.60 to 98.60): VY0



#22

Diisopropyl ether

Concen: 60.866 ug/l

RT: 6.13 min Scan# 720

Delta R.T. 0.00 min

Lab File: VY001034.D

Acq: 23 Dec 2019 17:22

Tgt Ion: 45 Resp: 571408

Ion Ratio Lower Upper

45 100

43 55.2 43.6 65.4

87 29.2 23.1 34.7

59 12.3 10.2 15.4

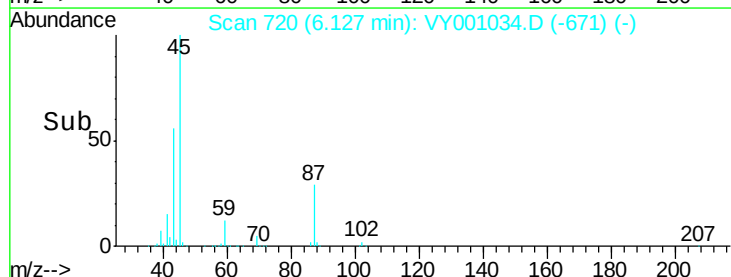
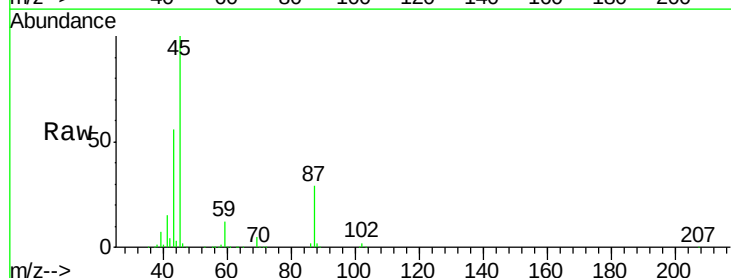
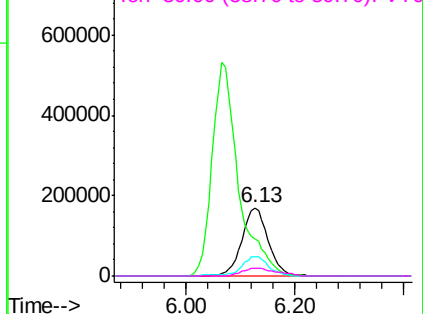
Abundance

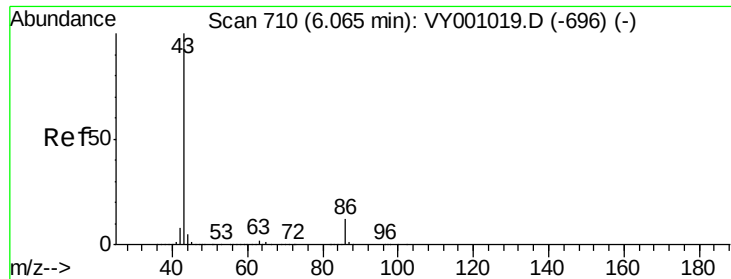
Ion 45.00 (44.70 to 45.70): VY0

Ion 43.00 (42.70 to 43.70): VY0

Ion 87.00 (86.70 to 87.70): VY0

Ion 59.00 (58.70 to 59.70): VY0





#23

Vinyl Acetate

Concen: 301.346 ug/l

RT: 6.07 min Scan# 710

Delta R.T. 0.00 min

Lab File: VY001034.D

Acq: 23 Dec 2019 17:22

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1786643

Ion Ratio Lower Upper

43 100

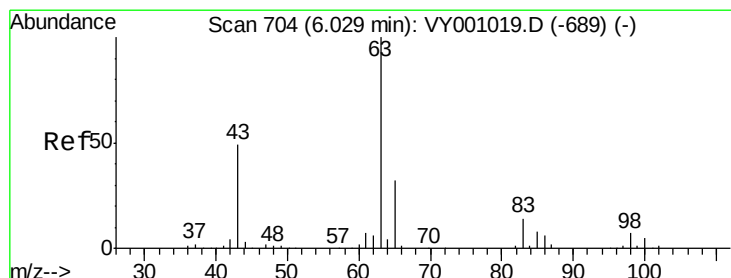
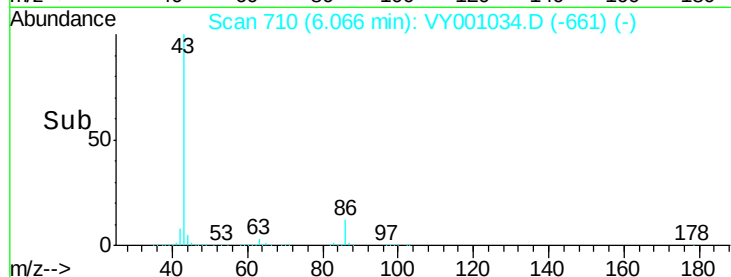
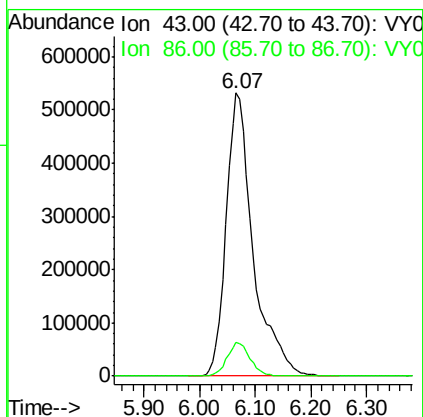
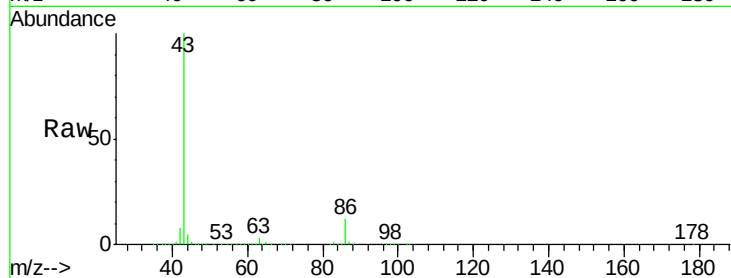
86 12.1 9.5 14.3

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#24

1,1-Dichloroethane

Concen: 57.085 ug/l

RT: 6.02 min Scan# 703

Delta R.T. -0.01 min

Lab File: VY001034.D

Acq: 23 Dec 2019 17:22

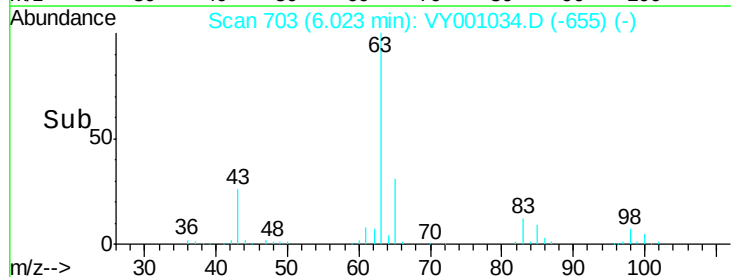
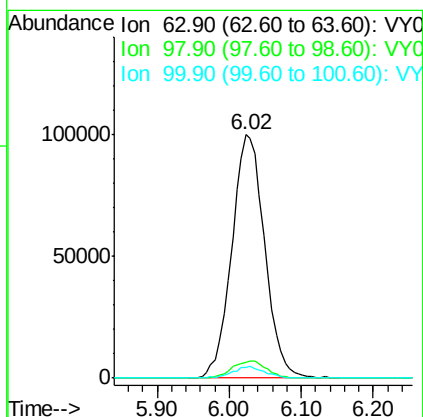
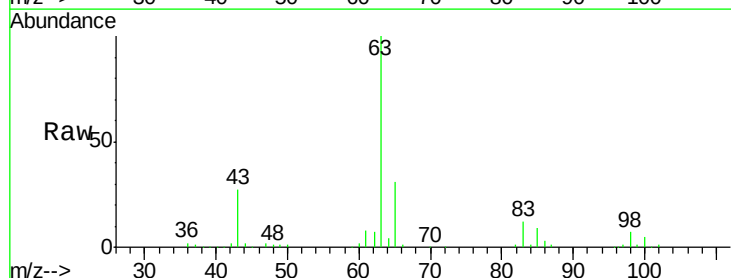
Tgt Ion: 63 Resp: 316695

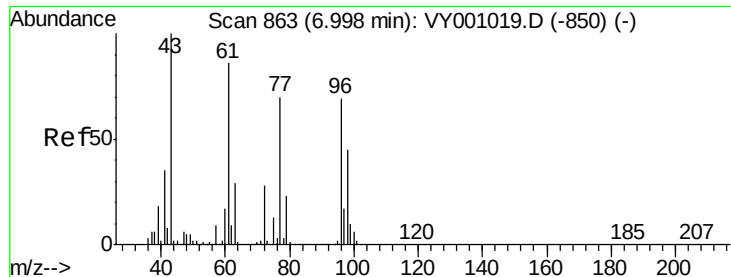
Ion Ratio Lower Upper

63 100

98 6.6 3.8 11.2

100 4.5 2.5 7.5





#25

2-Butanone

Concen: 304.882 ug/l

RT: 6.99 min Scan# 862

Delta R.T. -0.01 min

Lab File: VY001034.D

Acq: 23 Dec 2019 17:22

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 323866

Ion Ratio Lower Upper

43 100

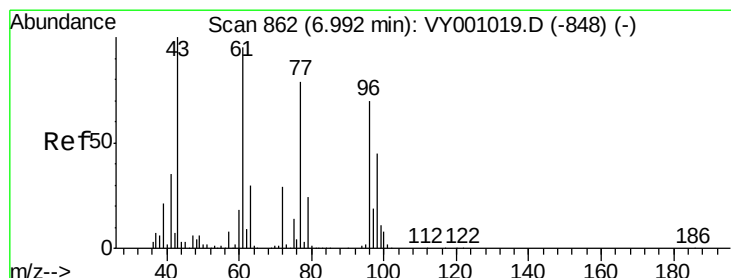
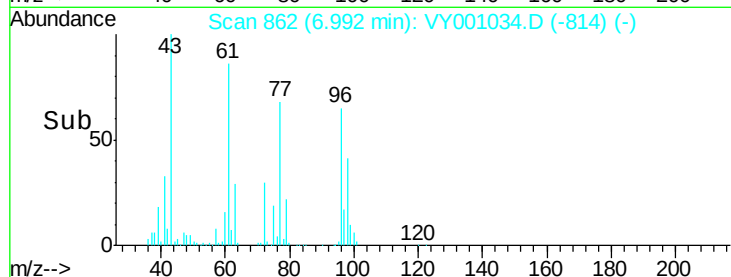
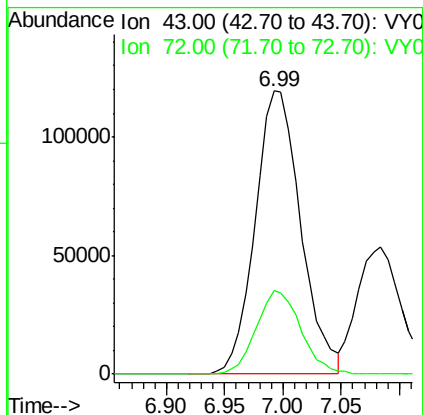
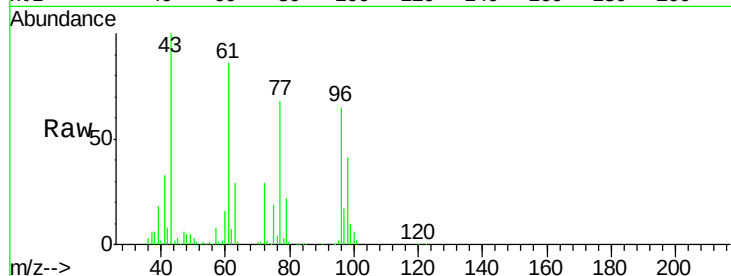
72 29.5 22.4 33.6

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#26

2,2-Dichloropropane

Concen: 55.265 ug/l

RT: 6.99 min Scan# 861

Delta R.T. -0.01 min

Lab File: VY001034.D

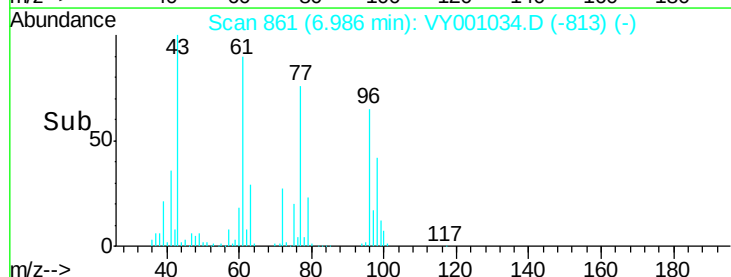
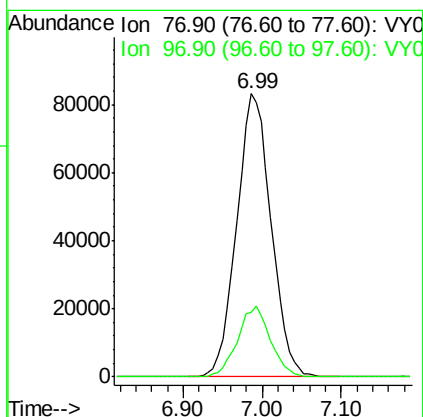
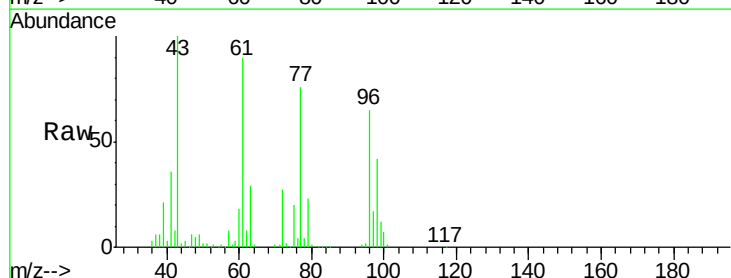
Acq: 23 Dec 2019 17:22

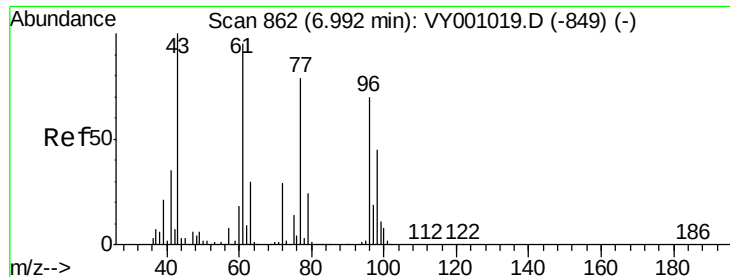
Tgt Ion: 77 Resp: 251898

Ion Ratio Lower Upper

77 100

97 23.8 12.0 36.1





#27

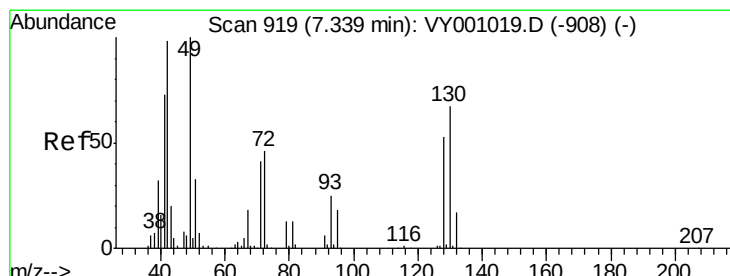
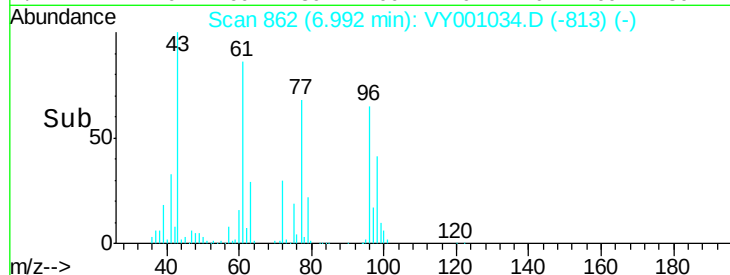
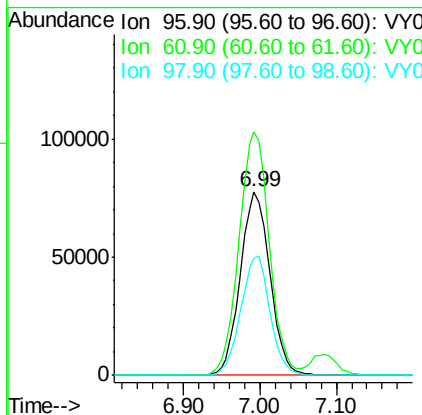
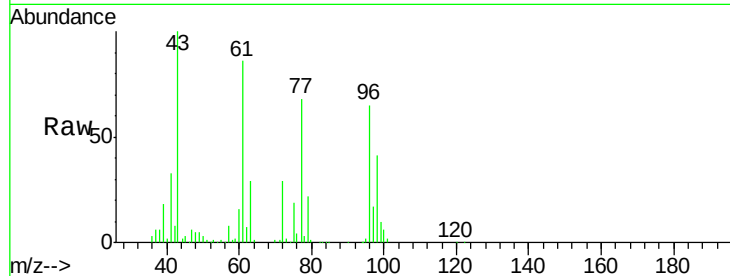
cis-1,2-Dichloroethene
Concen: 57.458 ug/l
RT: 6.99 min Scan# 862
Delta R.T. 0.00 min
Lab File: VY001034.D
Acq: 23 Dec 2019 17:22

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	209160		
61	136.0	0.0	268.2	
98	64.2	0.0	129.2	

Manual Integrations
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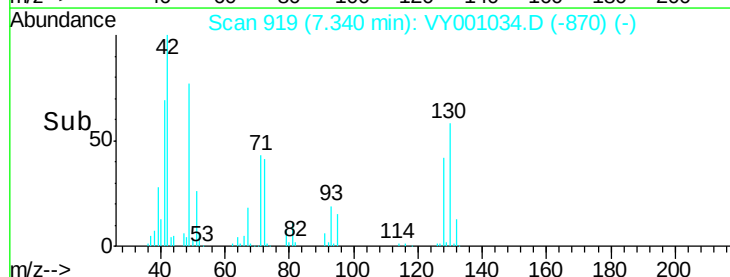
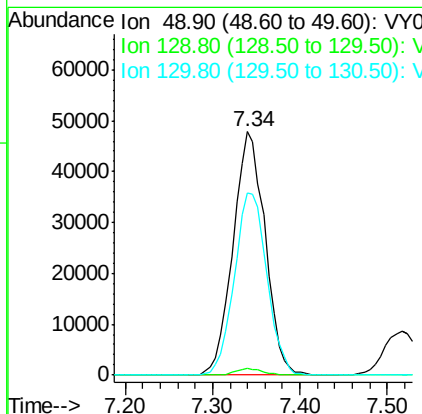
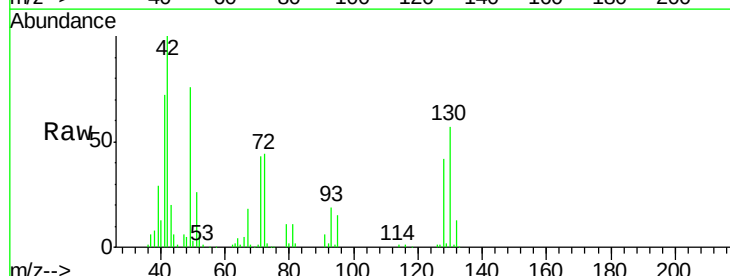
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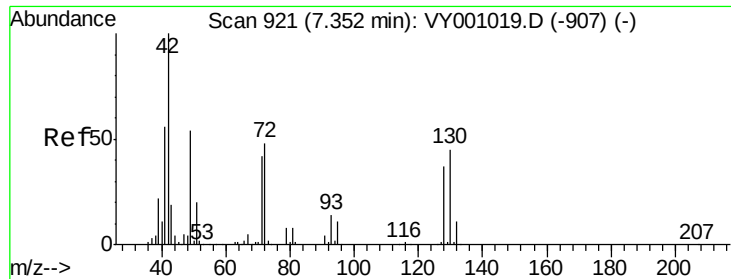


#28

Bromochloromethane
Concen: 56.275 ug/l
RT: 7.34 min Scan# 919
Delta R.T. 0.00 min
Lab File: VY001034.D
Acq: 23 Dec 2019 17:22

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	121815		
129	2.1	0.0	3.8	
130	75.9	60.4	90.6	





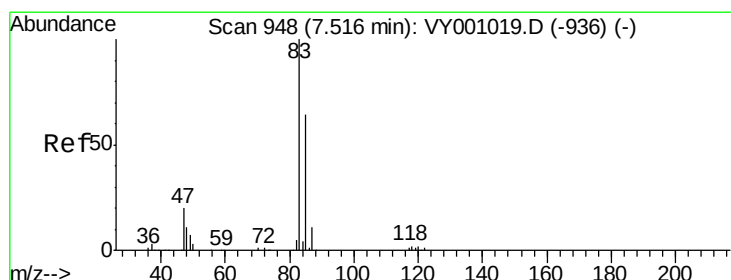
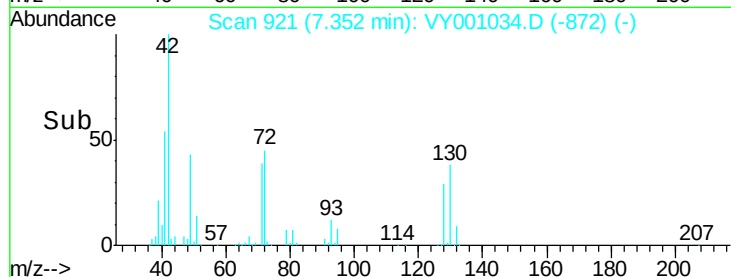
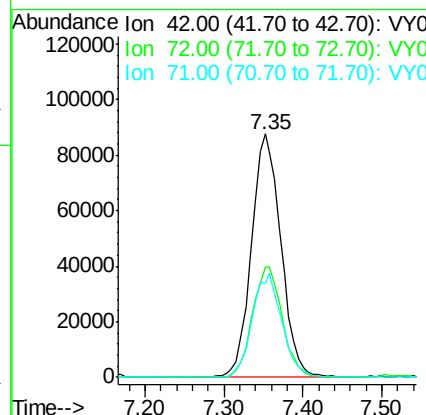
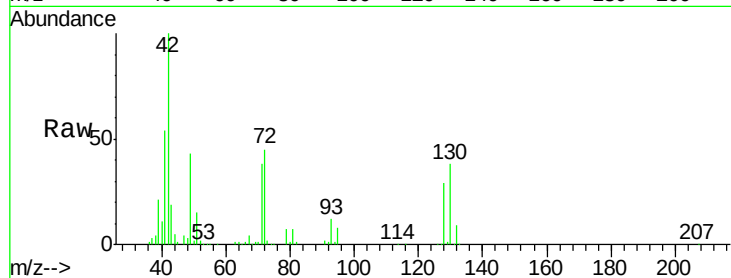
#29
Tetrahydrofuran
Concen: 299.975 ug/l
RT: 7.35 min Scan# 921
Delta R.T. 0.00 min
Lab File: VY001034.D
Acq: 23 Dec 2019 17:22

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.1	37.7	56.5
71	43.1	34.6	51.8

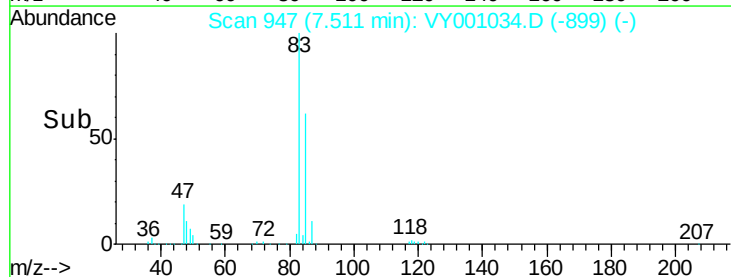
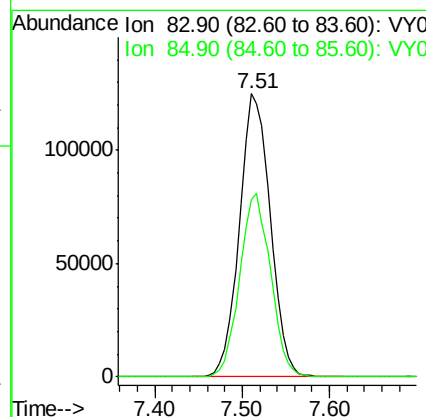
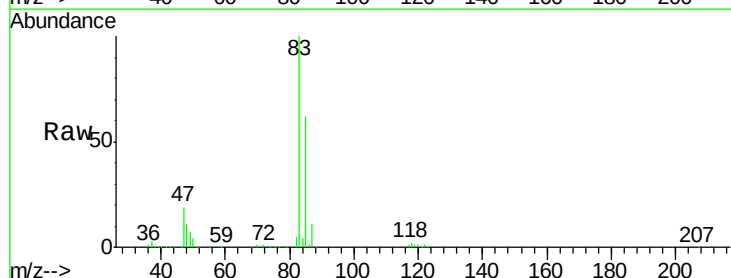
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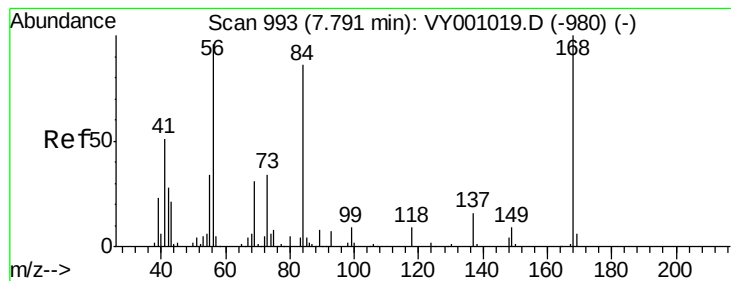
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#30
Chloroform
Concen: 58.633 ug/l
RT: 7.51 min Scan# 947
Delta R.T. -0.01 min
Lab File: VY001034.D
Acq: 23 Dec 2019 17:22

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.4	51.6	77.4





#31

Cyclohexane

Concen: 50.293 ug/l

RT: 7.79 min Scan# 993

Delta R.T. 0.00 min

Lab File: VY001034.D

Acq: 23 Dec 2019 17:22

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 293396

Ion Ratio Lower Upper

56 100

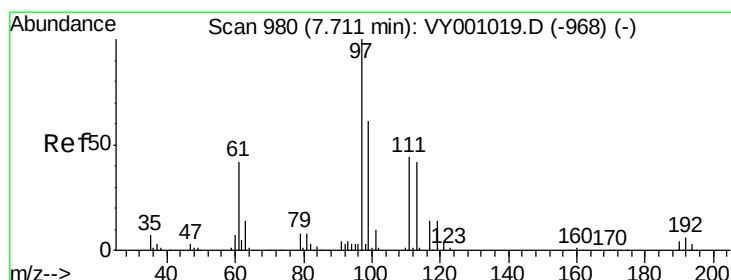
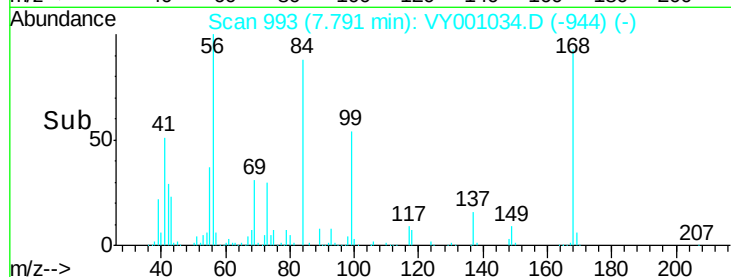
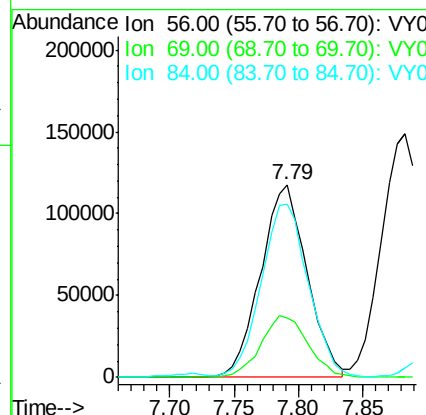
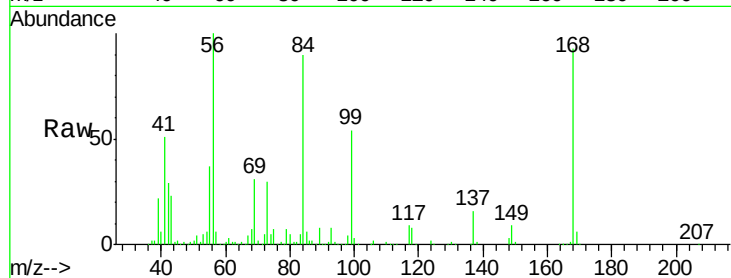
69 30.8 26.1 39.1

84 87.9 71.8 107.8

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 55.724 ug/l

RT: 7.71 min Scan# 980

Delta R.T. 0.00 min

Lab File: VY001034.D

Acq: 23 Dec 2019 17:22

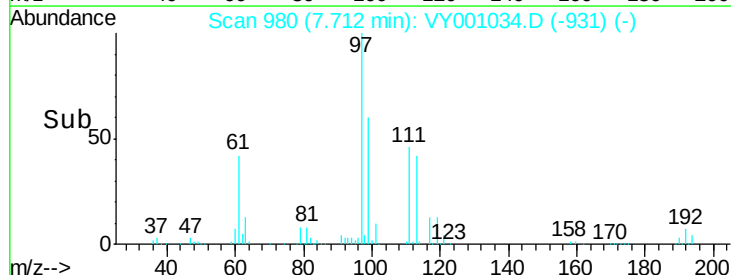
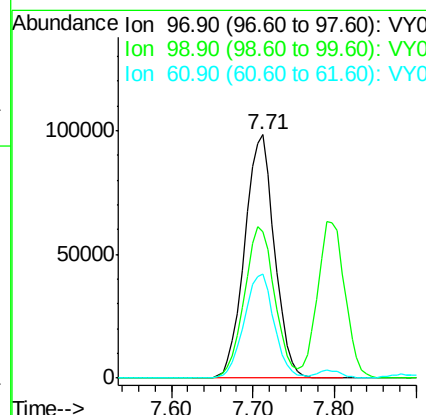
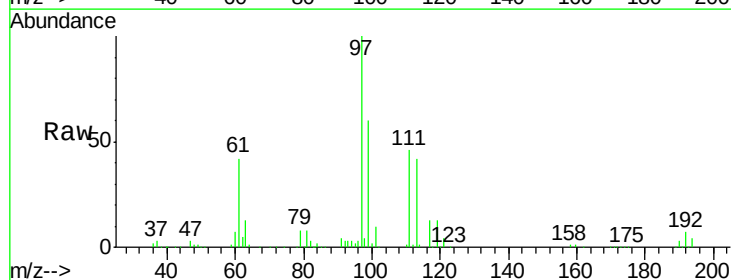
Tgt Ion: 97 Resp: 249363

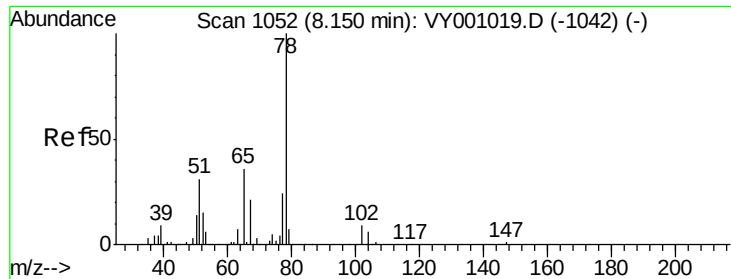
Ion Ratio Lower Upper

97 100

99 63.4 50.6 76.0

61 43.0 33.0 49.6





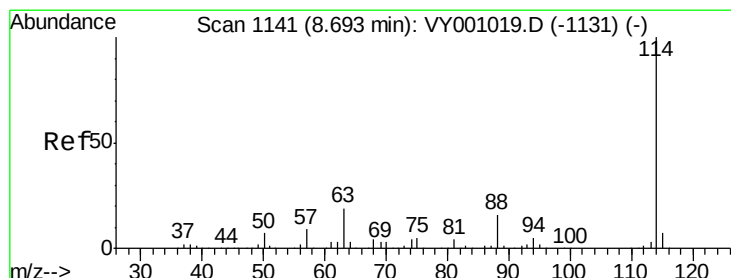
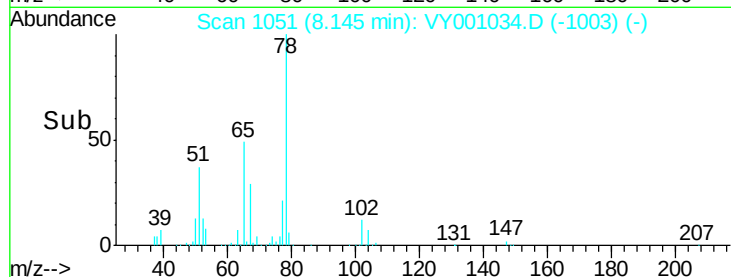
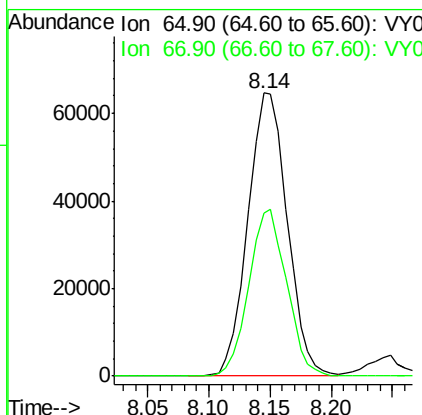
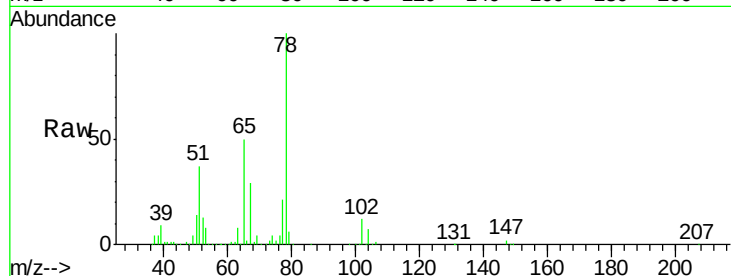
#33
 1,2-Dichloroethane-d4
 Concen: 55.247 ug/l
 RT: 8.14 min Scan# 1051
 Delta R.T. -0.01 min
 Lab File: VY001034.D
 Acq: 23 Dec 2019 17:22

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	145012		
67	56.6	0.0	112.8	

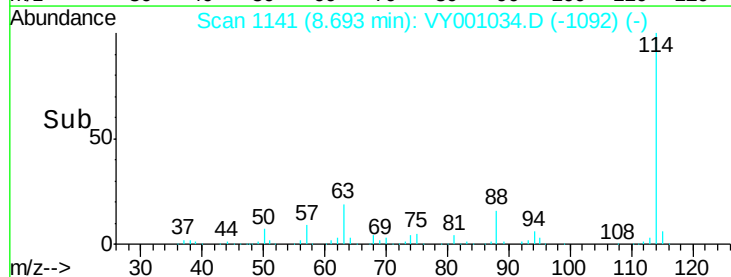
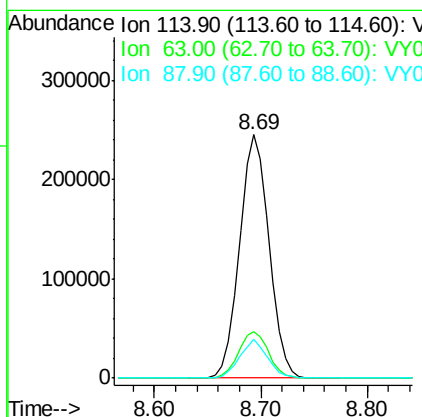
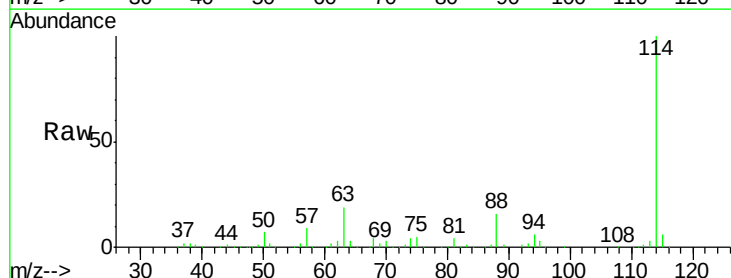
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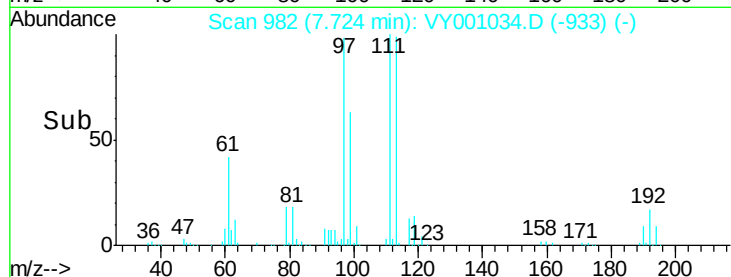
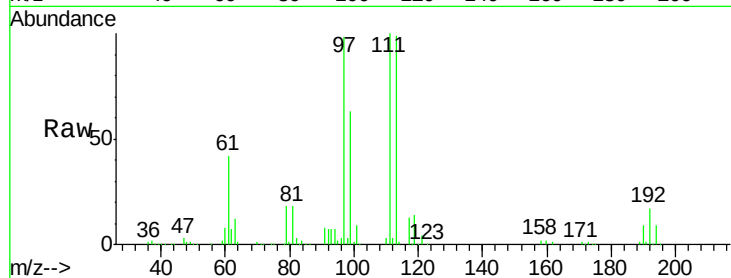
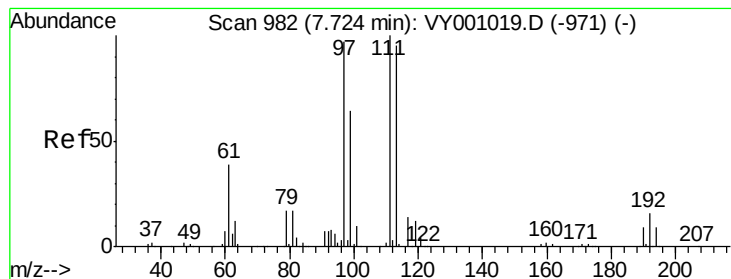
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. 0.00 min
 Lab File: VY001034.D
 Acq: 23 Dec 2019 17:22

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	477186		
63	19.2	0.0	37.0	
88	15.9	0.0	32.0	





#35

Dibromofluoromethane

Concen: 52.291 ug/l

RT: 7.72 min Scan# 982

Delta R.T. 0.00 min

Lab File: VY001034.D

Acq: 23 Dec 2019 17:22

Tot Ion:	113	Resp:	146935
Ion	Ratio	Lower	Upper
113	100		
111	103.3	83.0	124.4
192	17.3	14.6	21.8

Instrument :

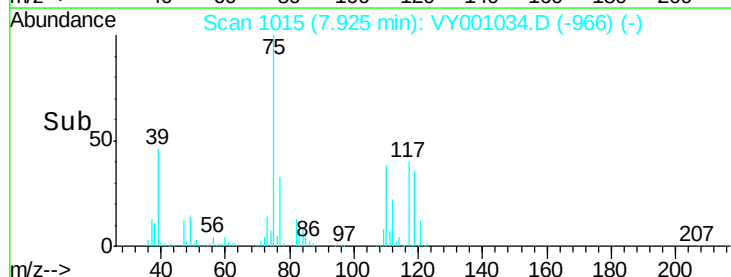
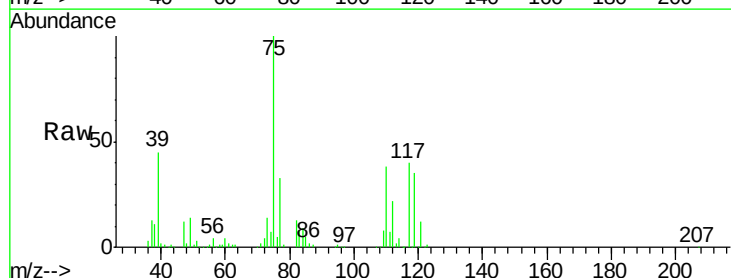
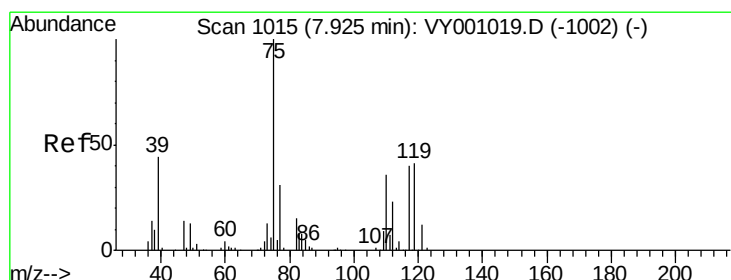
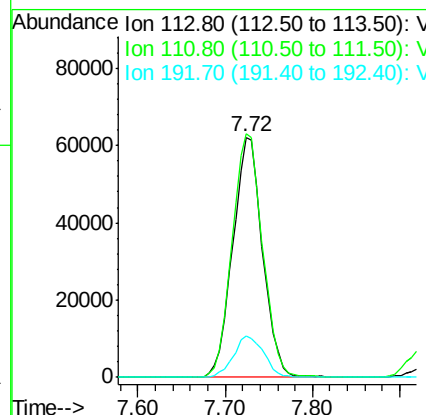
MSVOA_Y

ClientSampleId :

VSTDCCC050EC

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#36

1,1-Dichloropropene

Concen: 53.477 ug/l

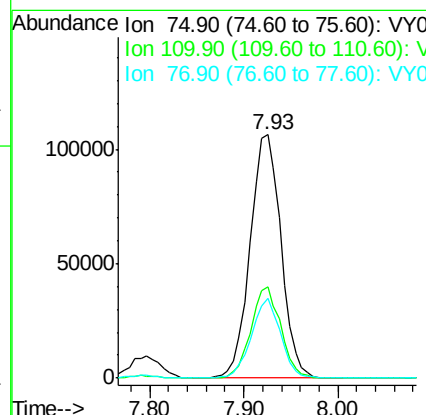
RT: 7.93 min Scan# 1015

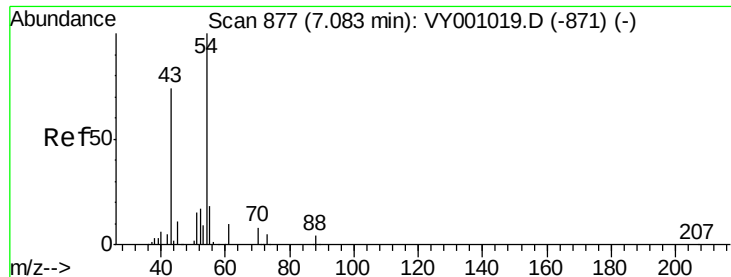
Delta R.T. 0.00 min

Lab File: VY001034.D

Acq: 23 Dec 2019 17:22

Tgt Ion:	75	Resp:	243444
Ion	Ratio	Lower	Upper
75	100		
110	36.4	18.1	54.4
77	30.9	24.6	37.0





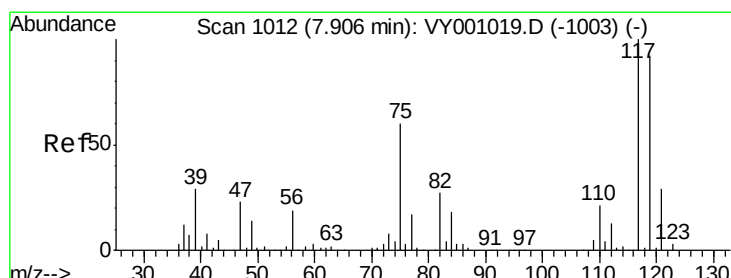
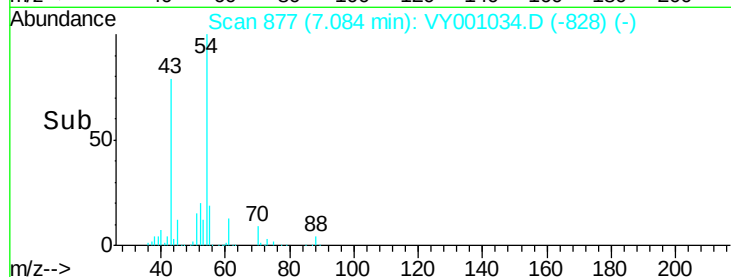
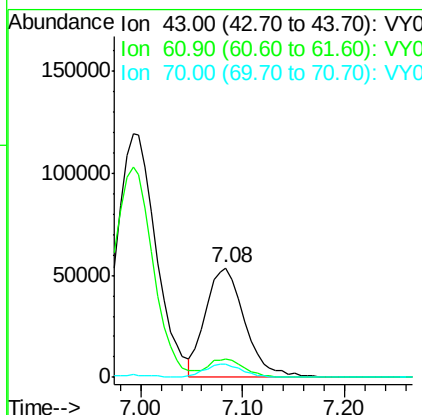
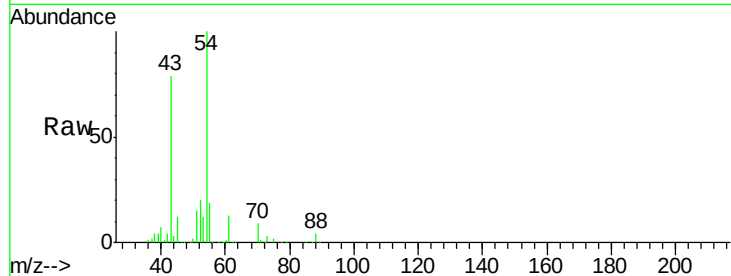
#37
Ethyl Acetate
Concen: 56.635 ug/l
RT: 7.08 min Scan# 877
Delta R.T. 0.00 min
Lab File: VY001034.D
Acq: 23 Dec 2019 17:22

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.1	12.5	18.7
70	12.2	9.0	13.4

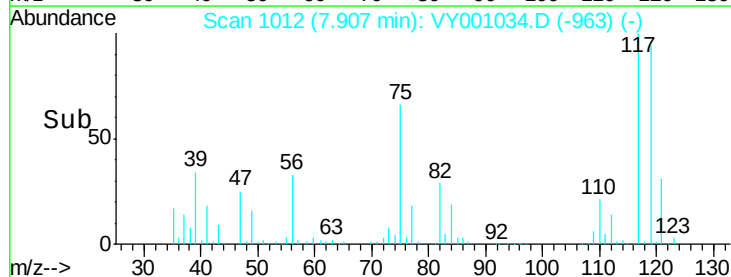
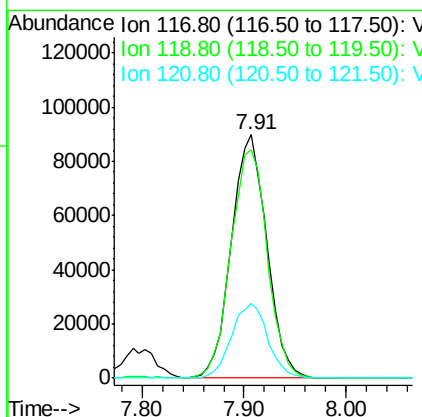
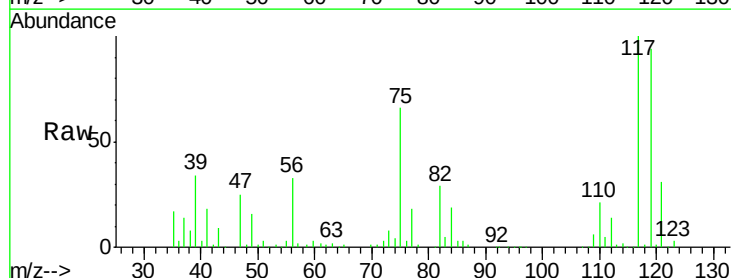
Manual Integrations
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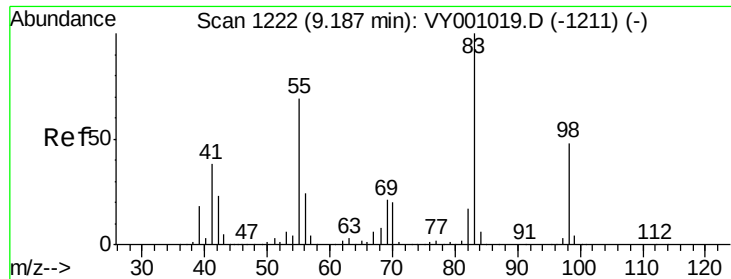
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#38
Carbon Tetrachloride
Concen: 54.226 ug/l
RT: 7.91 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VY001034.D
Acq: 23 Dec 2019 17:22

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.9	74.2	111.2
121	30.8	22.9	34.3





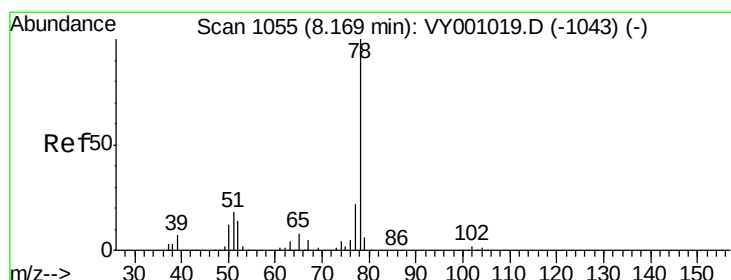
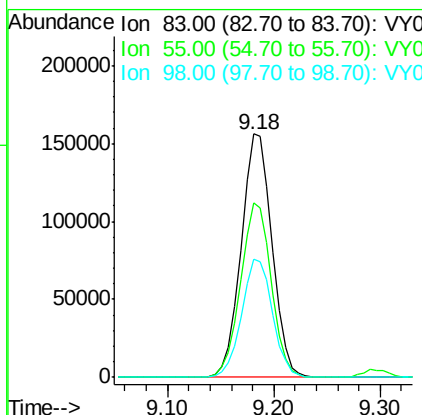
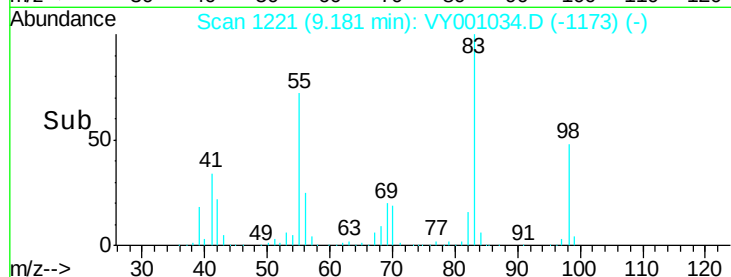
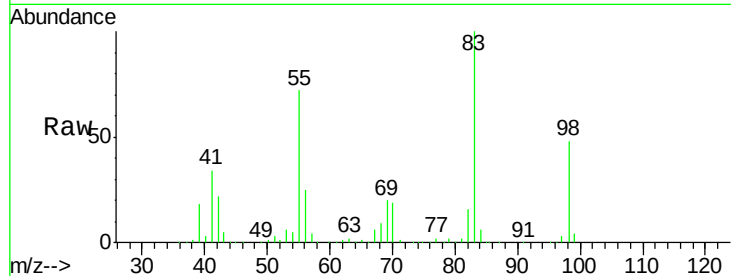
#39
Methylvlcyclohexane
Concen: 52.563 ug/l
RT: 9.18 min Scan# 1221
Delta R.T. -0.01 min
Lab File: VY001034.D
Acq: 23 Dec 2019 17:22

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	71.9	55.1	82.7	
98	48.4	38.3	57.5	

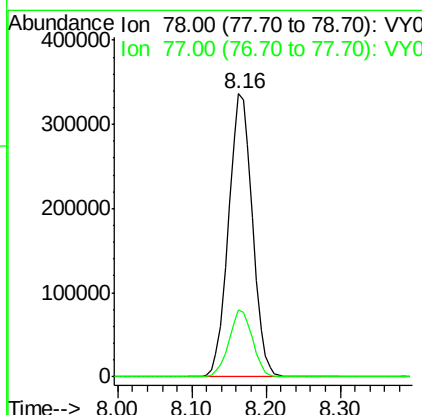
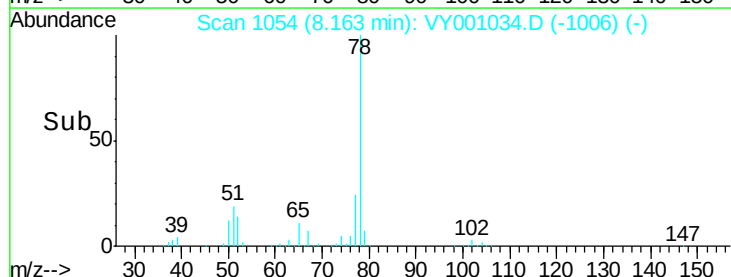
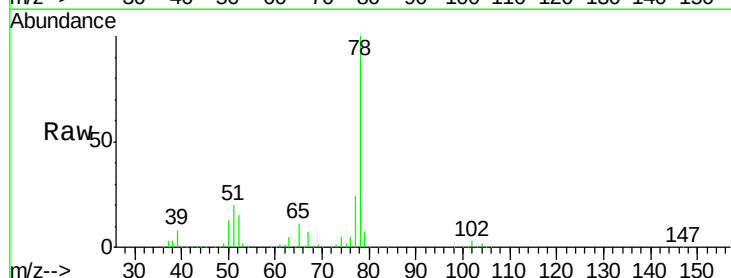
Manual Integrations
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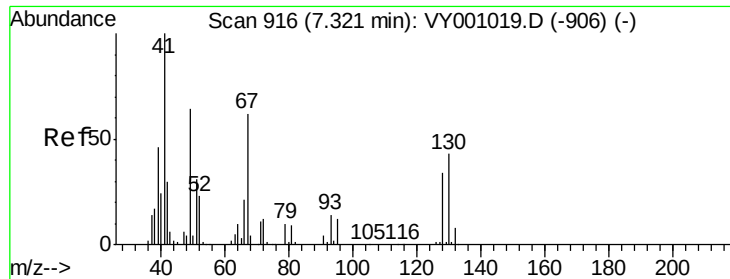
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#40
Benzene
Concen: 54.897 ug/l
RT: 8.16 min Scan# 1054
Delta R.T. -0.01 min
Lab File: VY001034.D
Acq: 23 Dec 2019 17:22

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.8	17.7	26.5	





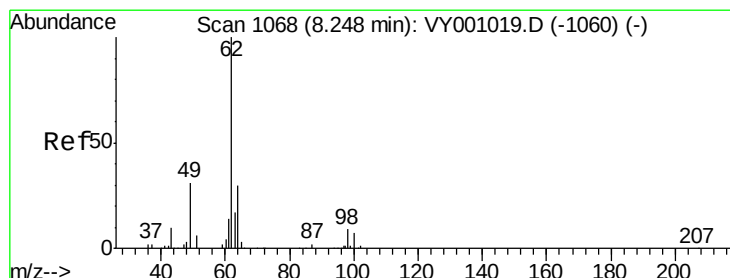
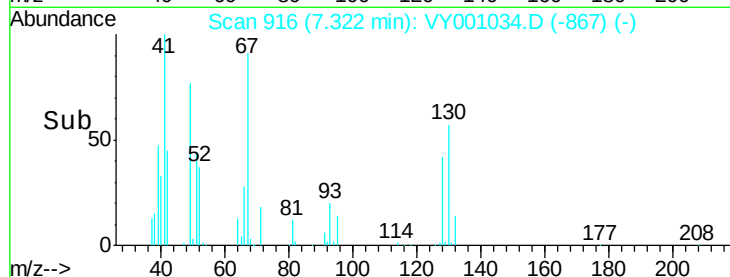
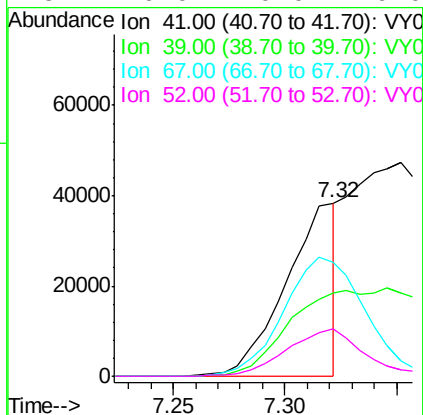
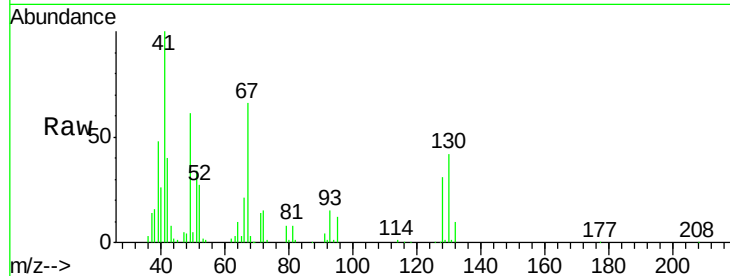
#41
Methacrylonitrile
Concen: 56.108 ug/l m
RT: 7.32 min Scan# 916
Delta R.T. 0.00 min
Lab File: VY001034.D
Acq: 23 Dec 2019 17:22

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	41	Resp	61317
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

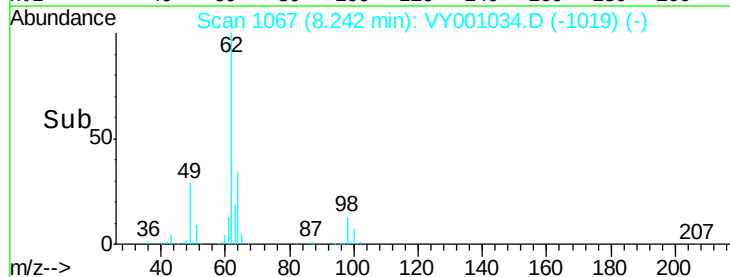
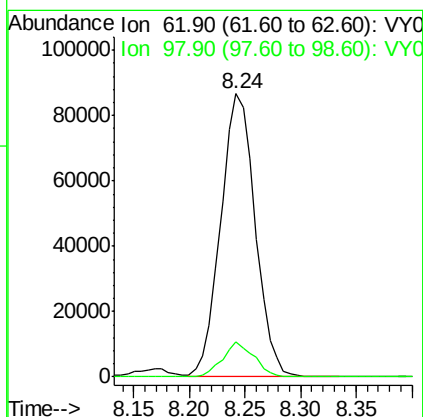
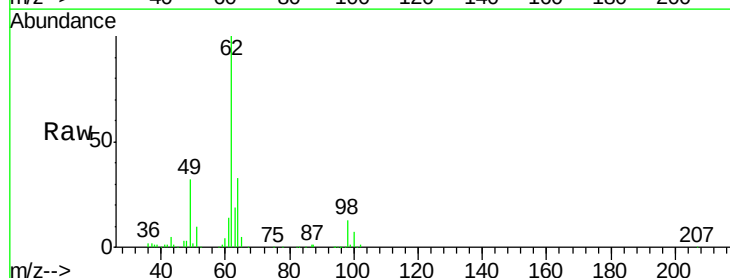
Manual Integrations
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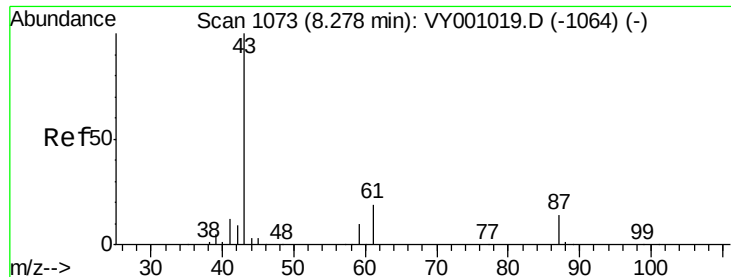
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#42
1,2-Dichloroethane
Concen: 56.876 ug/l
RT: 8.24 min Scan# 1067
Delta R.T. -0.01 min
Lab File: VY001034.D
Acq: 23 Dec 2019 17:22

Tgt Ion	62	Resp	186753
Ion	Ratio	Lower	Upper
62	100		
98	11.3	0.0	23.4





#43

Isopropyl Acetate

Concen: 58.620 ug/l

RT: 8.28 min Scan# 1073

Delta R.T. 0.00 min

Lab File: VY001034.D

Acq: 23 Dec 2019 17:22

Instrument :

MSVOA_Y

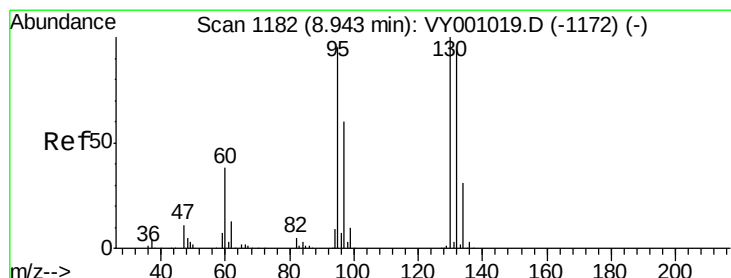
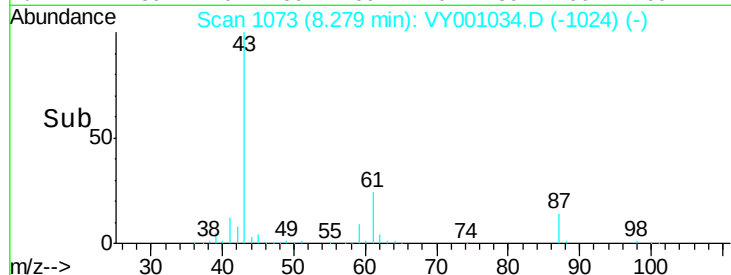
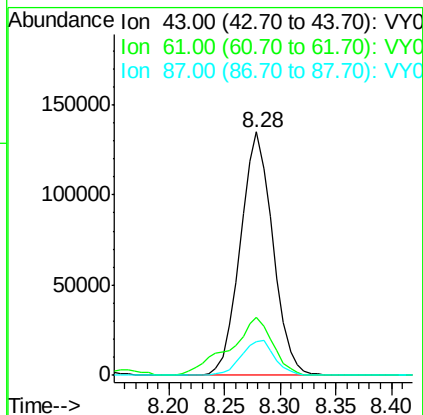
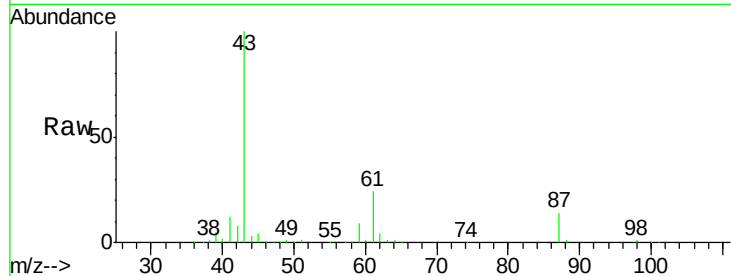
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	273530
Ion	Ratio	Lower	Upper
43	100		
61	31.5	25.0	37.6
87	14.6	12.0	18.0

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#44

Trichloroethene

Concen: 54.748 ug/l

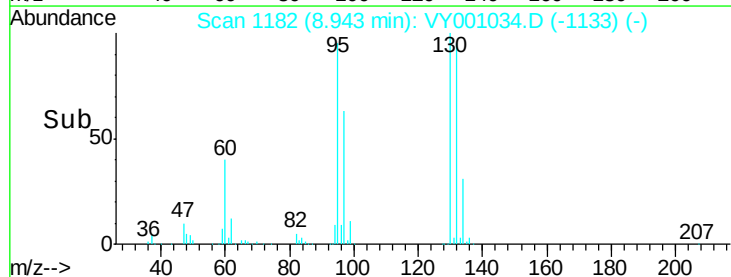
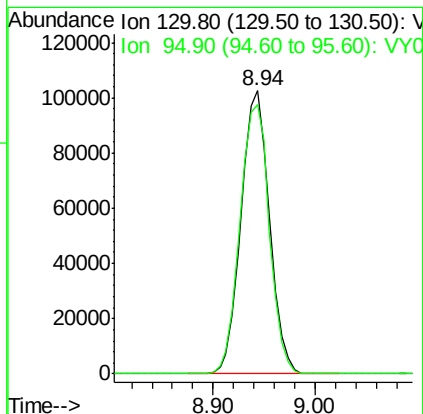
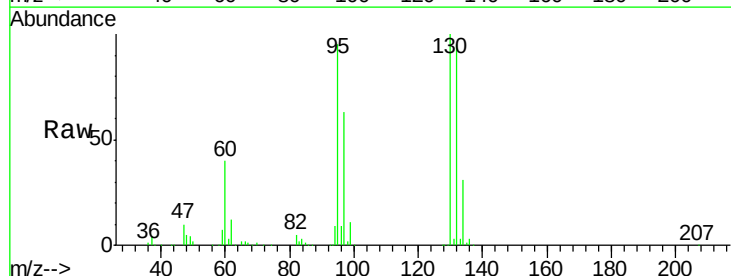
RT: 8.94 min Scan# 1182

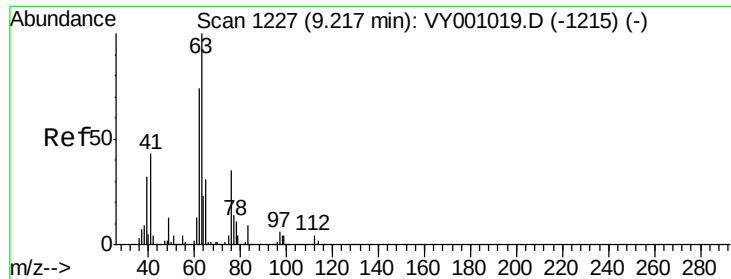
Delta R.T. 0.00 min

Lab File: VY001034.D

Acq: 23 Dec 2019 17:22

Tgt Ion:	130	Resp:	198109
Ion	Ratio	Lower	Upper
130	100		
95	95.1	0.0	190.6





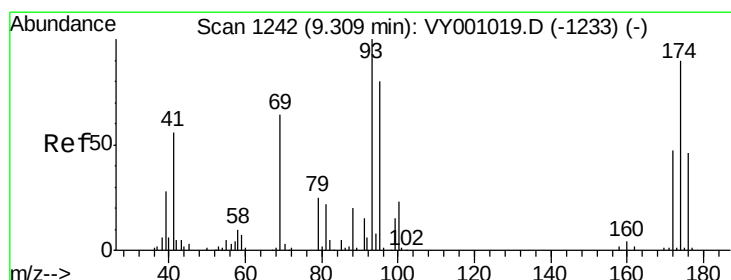
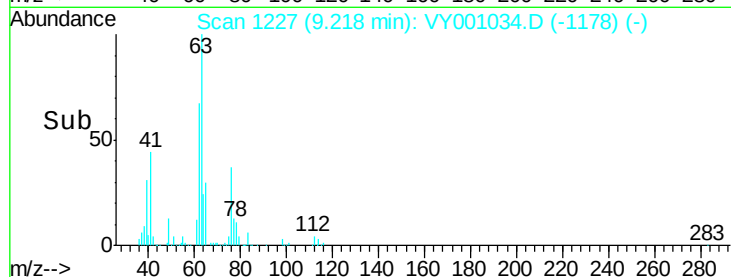
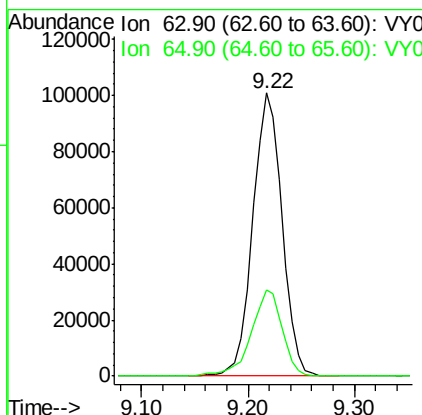
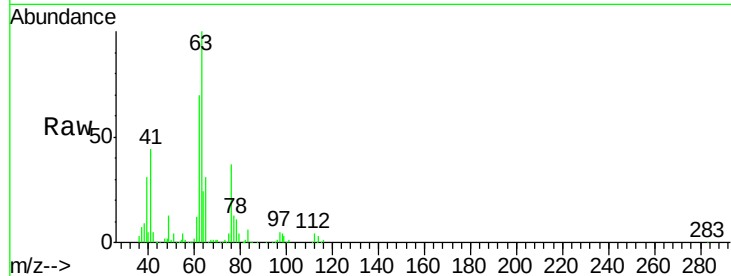
#45
 1,2-Dichloropropane
 Concen: 56.455 ug/l
 RT: 9.22 min Scan# 1227
 Delta R.T. 0.00 min
 Lab File: VY001034.D
 Acq: 23 Dec 2019 17:22

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.7	25.1	37.7

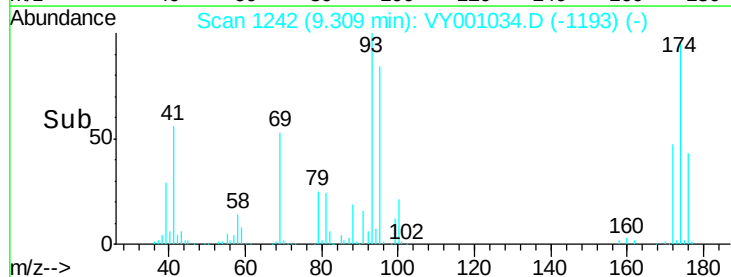
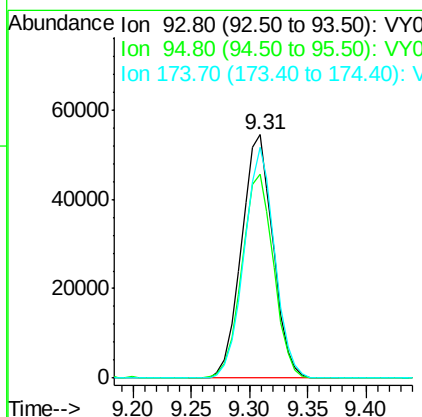
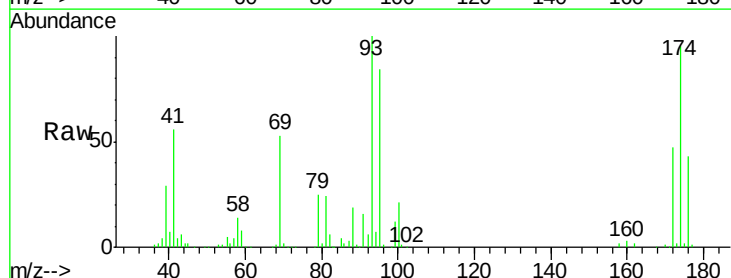
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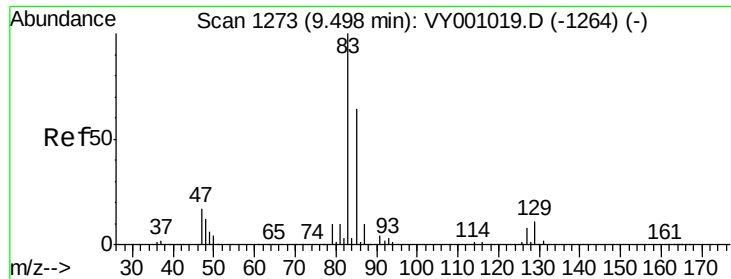
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#46
 Dibromomethane
 Concen: 57.982 ug/l
 RT: 9.31 min Scan# 1242
 Delta R.T. 0.00 min
 Lab File: VY001034.D
 Acq: 23 Dec 2019 17:22

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.1	66.7	100.1
174	91.6	73.6	110.4





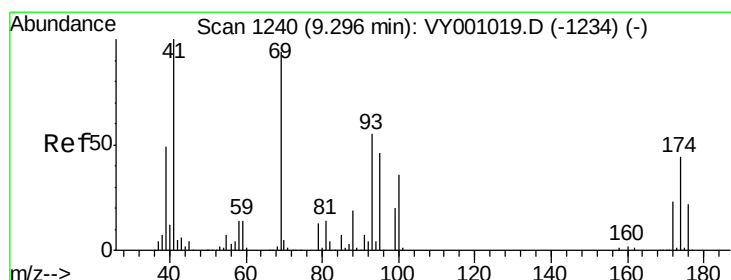
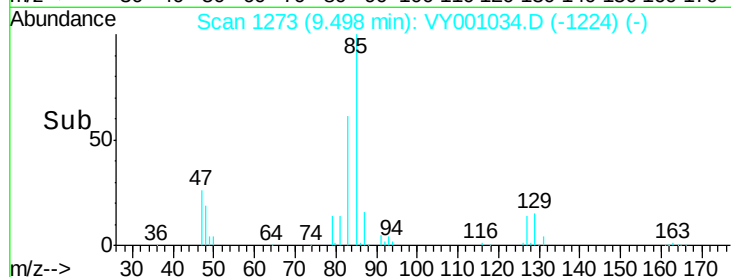
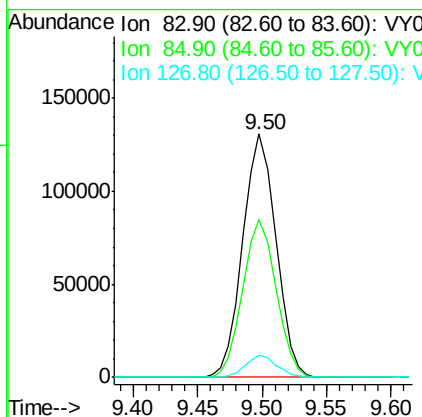
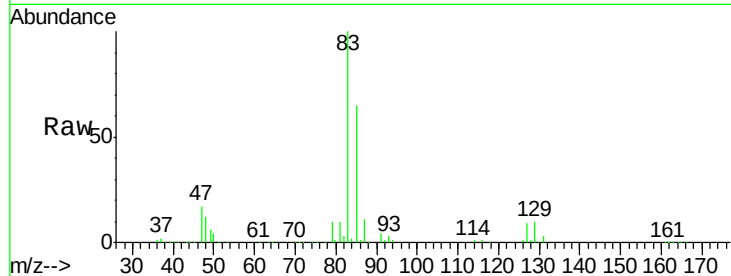
#47
Bromodichloromethane
Concen: 56.811 ug/l
RT: 9.50 min Scan# 1273
Delta R.T. 0.00 min
Lab File: VY001034.D
Acq: 23 Dec 2019 17:22

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	233718		
85	64.6	50.9	76.3	
127	8.9	6.4	9.6	

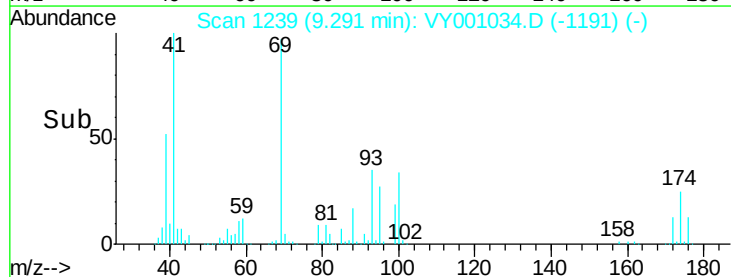
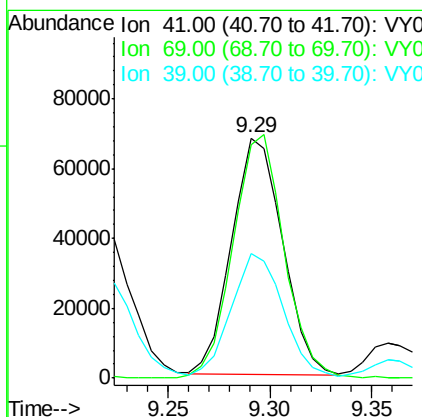
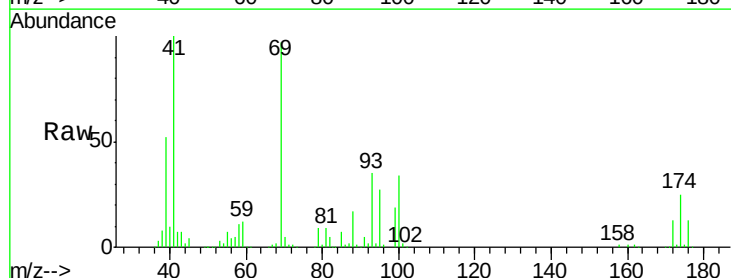
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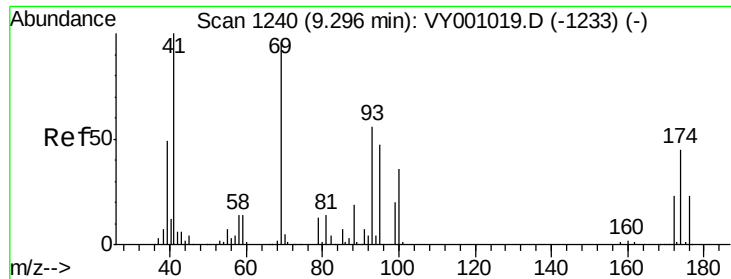
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#48
Methyl methacrylate
Concen: 59.080 ug/l
RT: 9.29 min Scan# 1239
Delta R.T. -0.01 min
Lab File: VY001034.D
Acq: 23 Dec 2019 17:22

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	117641		
69	103.3	79.8	119.6	
39	52.0	41.7	62.5	





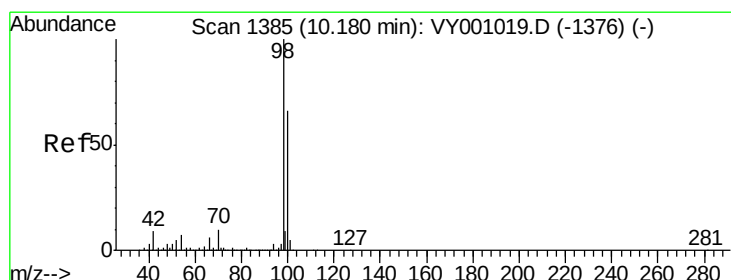
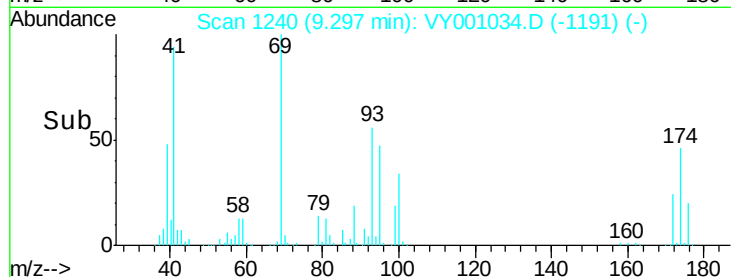
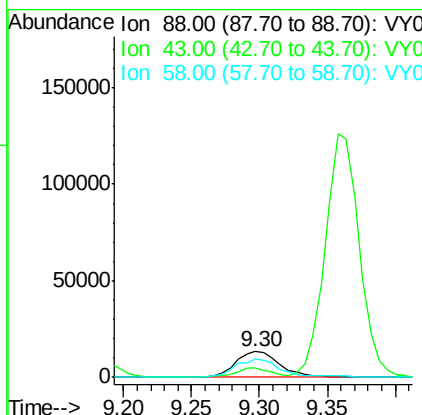
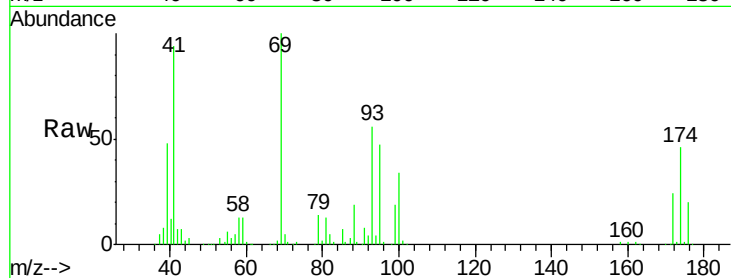
#49
1,4-Dioxane
Concen: 1192.941 ug/l
RT: 9.30 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VY001034.D
Acq: 23 Dec 2019 17:22

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	28.2	23.0	34.4
58	73.6	54.9	82.3

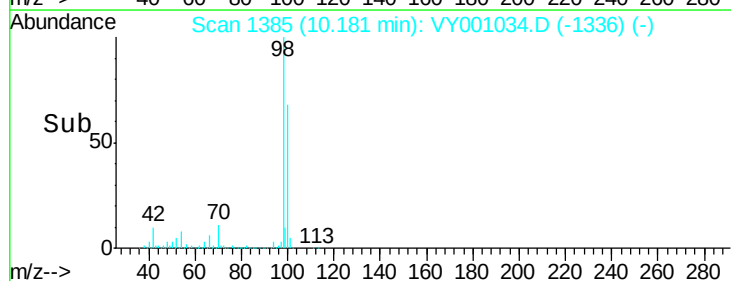
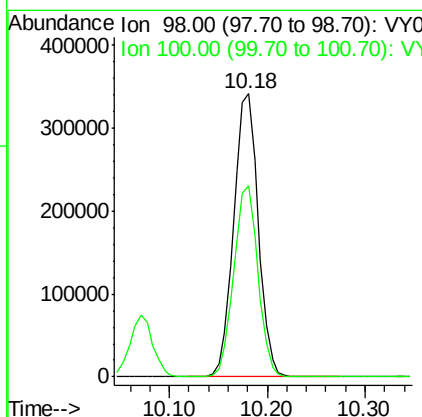
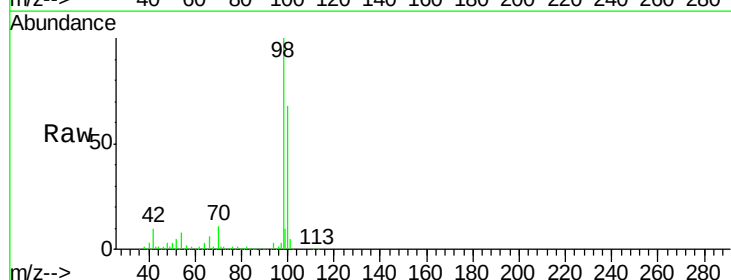
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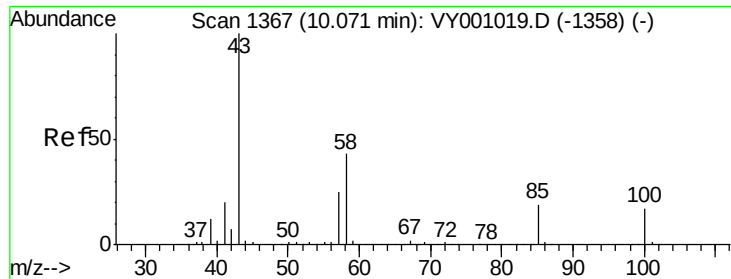
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#50
Toluene-d8
Concen: 54.099 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VY001034.D
Acq: 23 Dec 2019 17:22

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.5	53.0	79.4





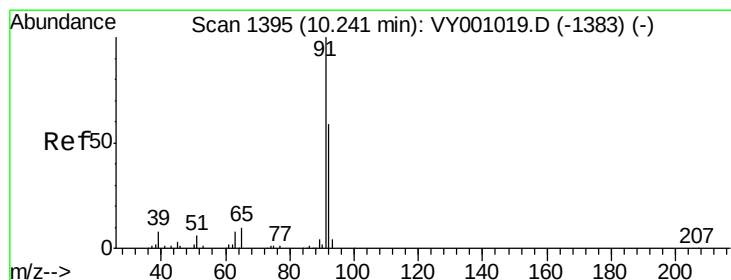
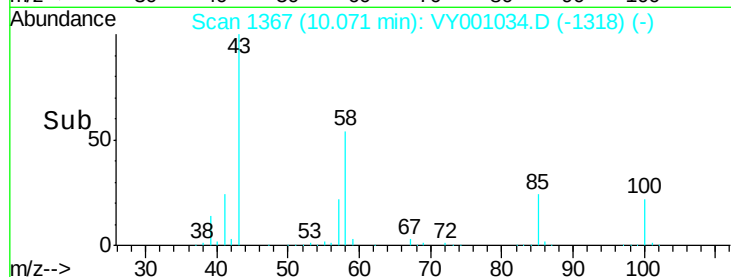
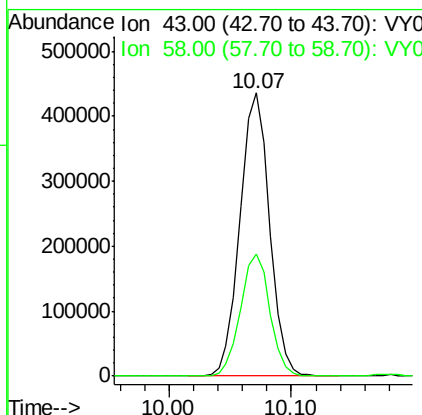
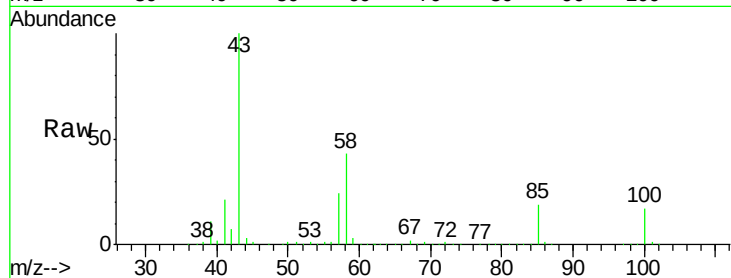
#51
4-Methyl-2-Pentanone
Concen: 300.909 ug/l
RT: 10.07 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VY001034.D
Acq: 23 Dec 2019 17:22

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	58	Ratio	Lower	Upper	Resp
43	100					731832
58	42.9		34.6	52.0		

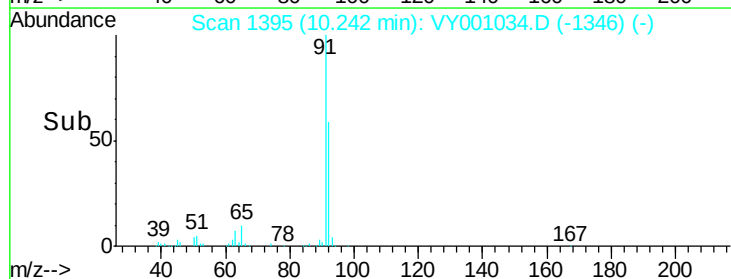
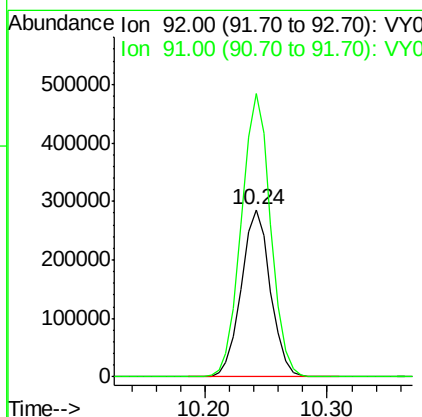
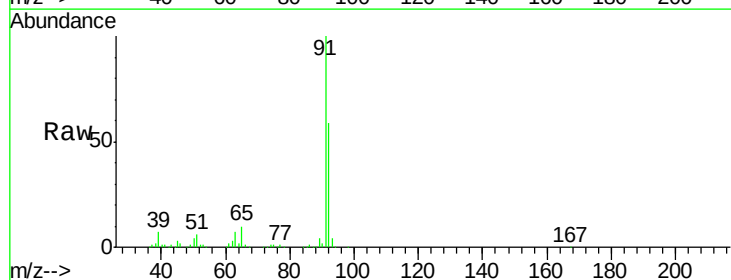
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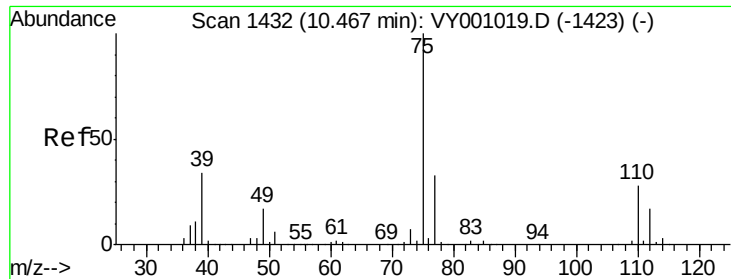
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#52
Toluene
Concen: 55.583 ug/l
RT: 10.24 min Scan# 1395
Delta R.T. 0.00 min
Lab File: VY001034.D
Acq: 23 Dec 2019 17:22

Tgt Ion	92	91	Ratio	Lower	Upper	Resp
92	100					469842
91	170.5		135.7	203.5		





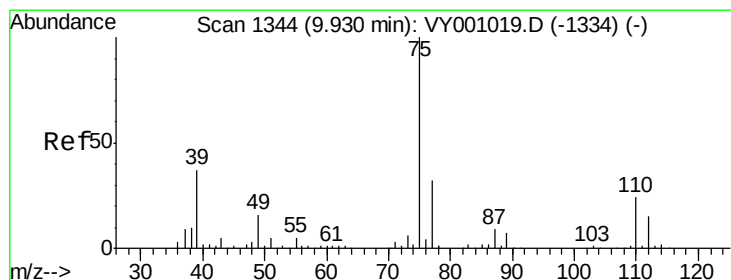
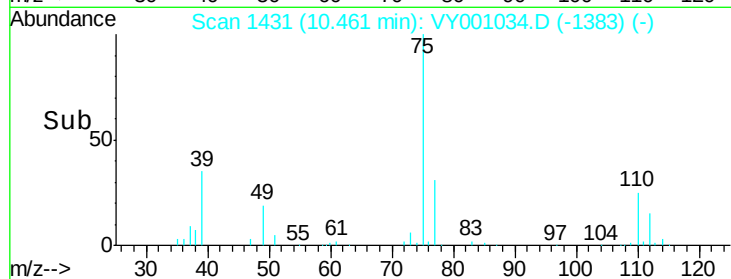
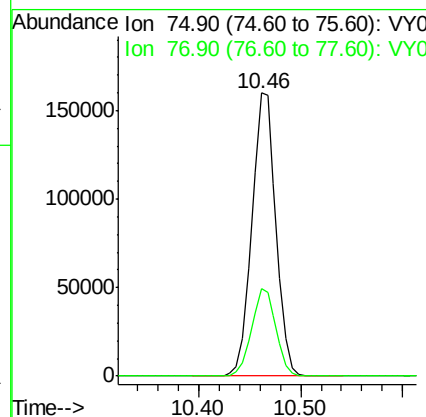
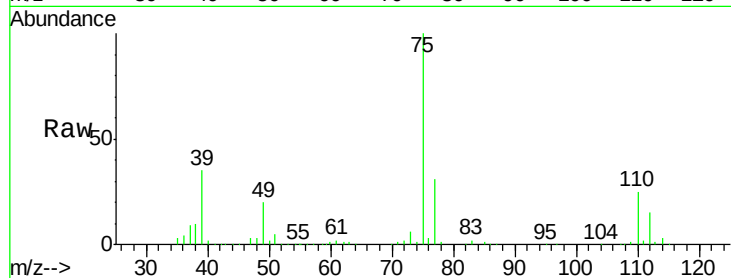
#53
t-1,3-Dichloropropene
Concen: 58.673 ug/l
RT: 10.46 min Scan# 1431
Delta R.T. -0.01 min
Lab File: VY001034.D
Acq: 23 Dec 2019 17:22

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.0	26.5	39.7

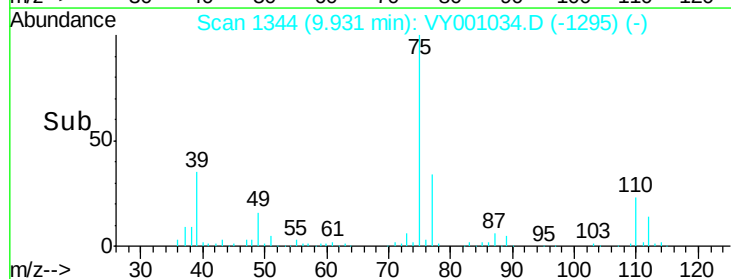
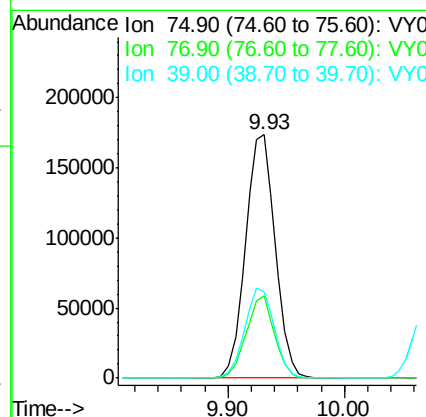
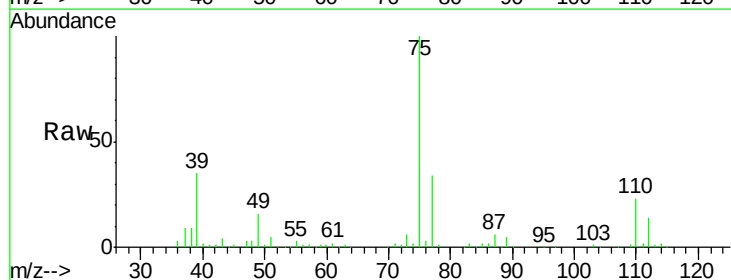
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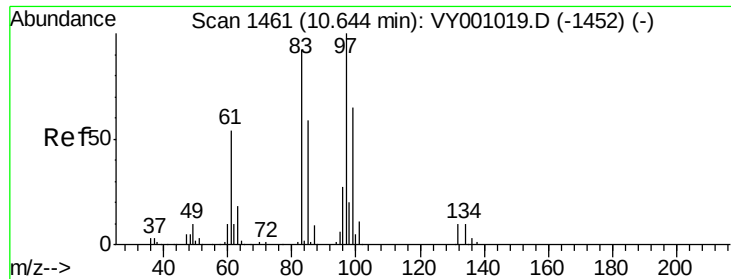
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#54
cis-1,3-Dichloropropene
Concen: 57.390 ug/l
RT: 9.93 min Scan# 1344
Delta R.T. 0.00 min
Lab File: VY001034.D
Acq: 23 Dec 2019 17:22

Tgt Ion	Ratio	Lower	Upper
75	100		
77	33.6	25.2	37.8
39	35.1	29.5	44.3





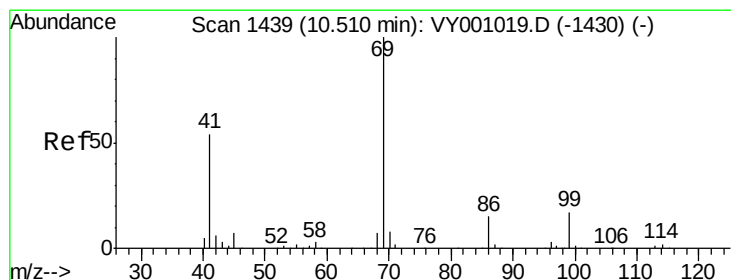
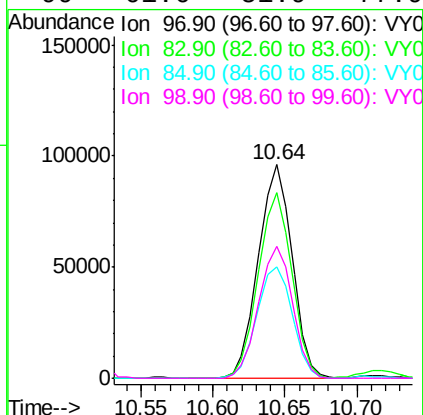
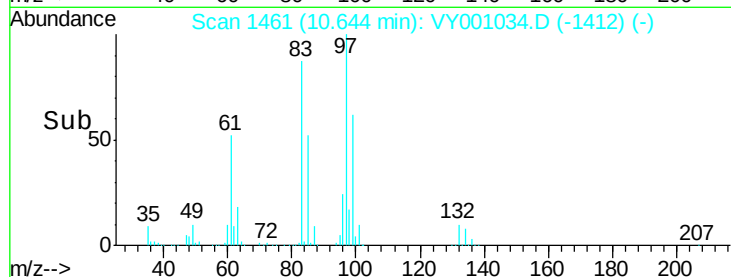
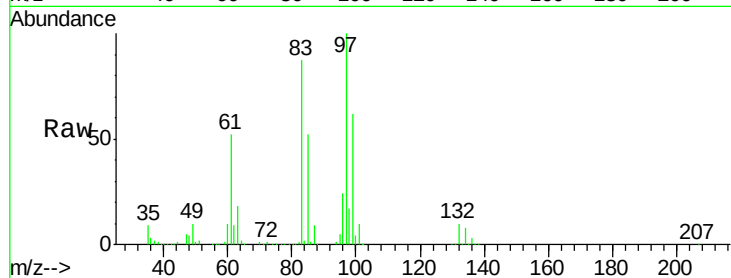
#55
 1,1,2-Trichloroethane
 Concen: 58.897 ug/l
 RT: 10.64 min Scan# 1461
 Delta R.T. 0.00 min
 Lab File: VY001034.D
 Acq: 23 Dec 2019 17:22

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
97	100		
83	86.9	73.7	110.5
85	52.1	47.3	70.9
99	61.6	51.9	77.9

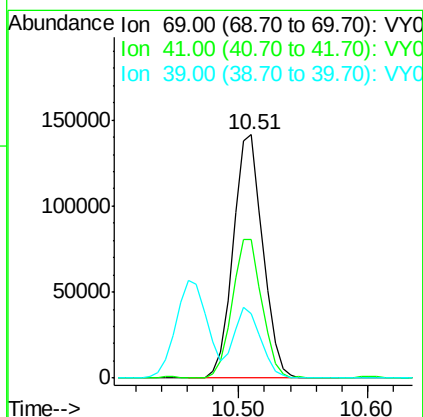
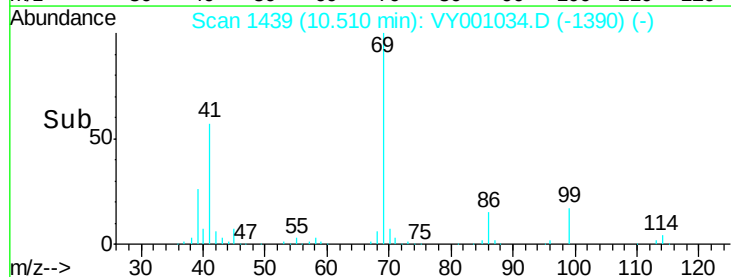
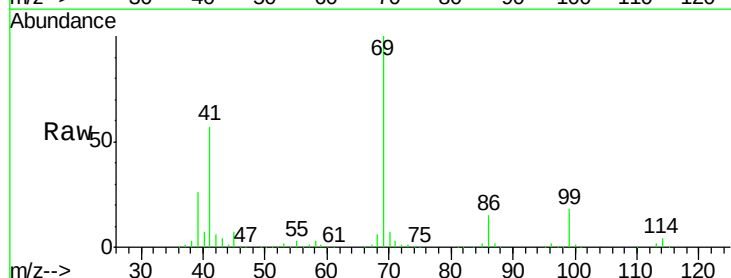
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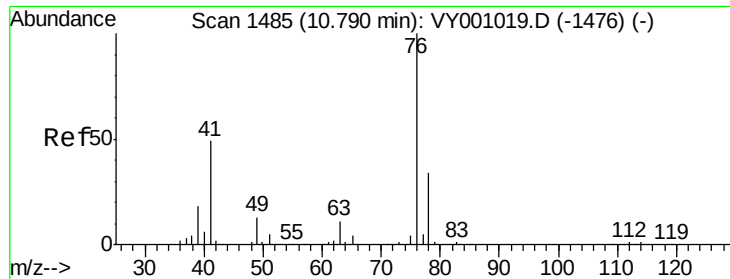
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#56
 Ethyl methacrylate
 Concen: 59.972 ug/l
 RT: 10.51 min Scan# 1439
 Delta R.T. 0.00 min
 Lab File: VY001034.D
 Acq: 23 Dec 2019 17:22

Tgt Ion	Ratio	Lower	Upper
69	100		
41	56.8	44.7	67.1
39	26.7	22.2	33.4





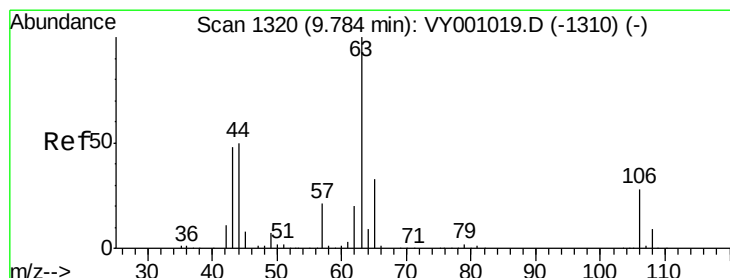
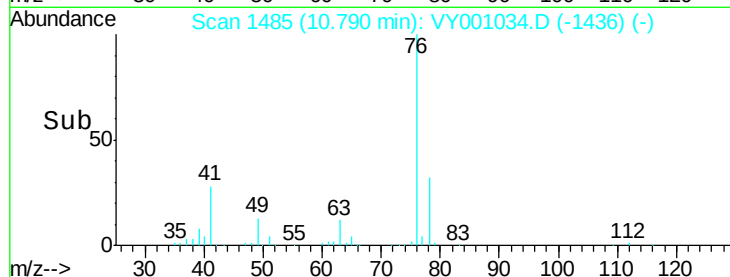
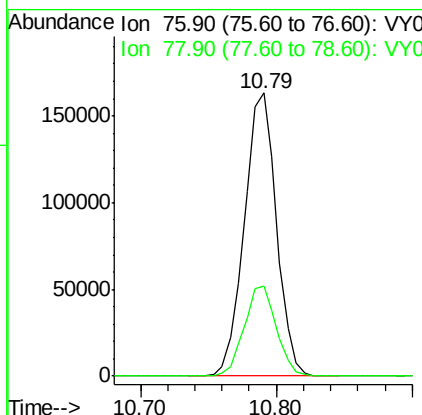
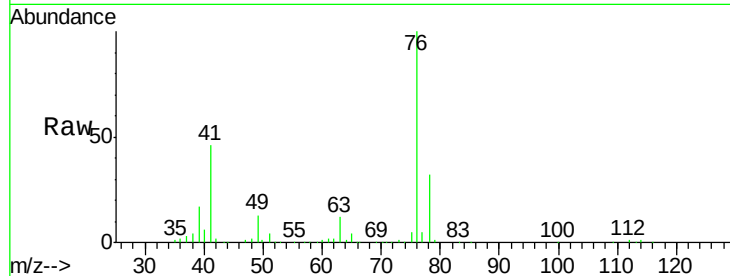
#57
 1,3-Dichloropropane
 Concen: 58.028 ug/l
 RT: 10.79 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VY001034.D
 Acq: 23 Dec 2019 17:22

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 269683
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.8 38.8

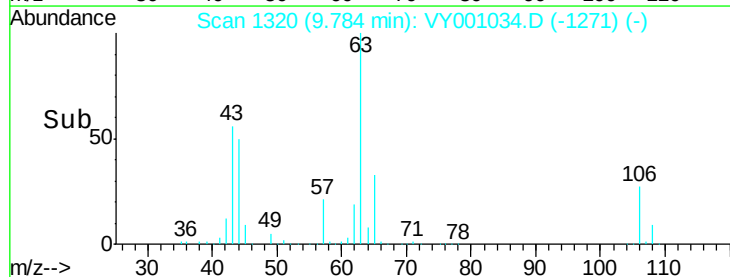
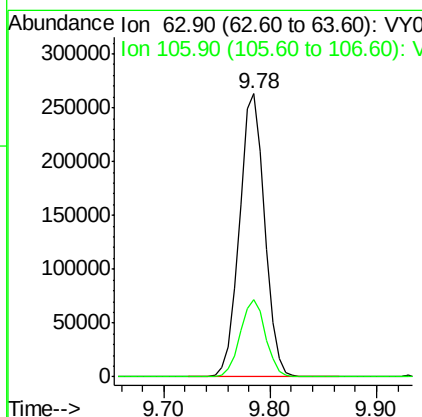
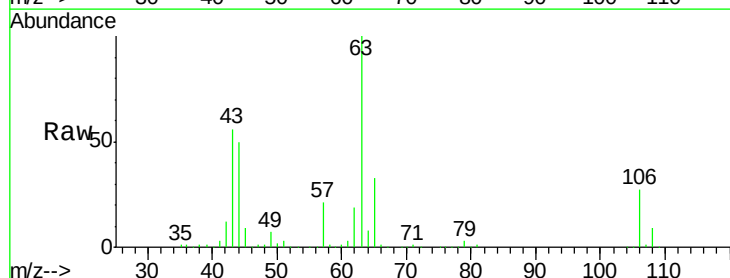
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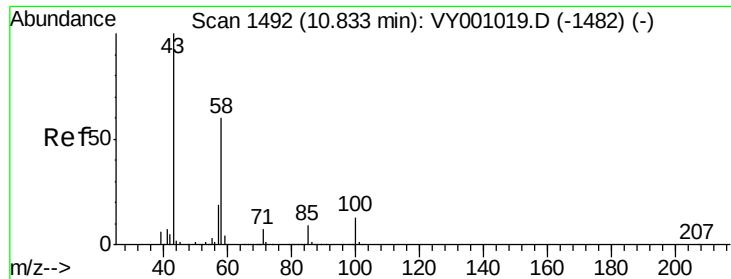
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#58
 2-Chloroethyl Vinyl ether
 Concen: 300.023 ug/l
 RT: 9.78 min Scan# 1320
 Delta R.T. 0.00 min
 Lab File: VY001034.D
 Acq: 23 Dec 2019 17:22

Tgt Ion: 63 Resp: 437283
 Ion Ratio Lower Upper
 63 100
 106 27.4 22.7 34.1





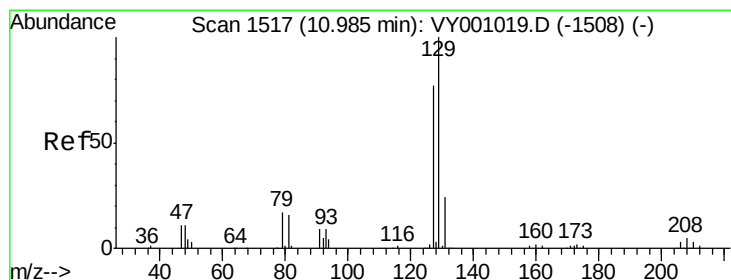
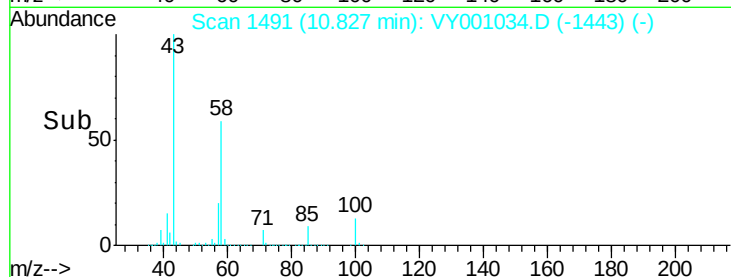
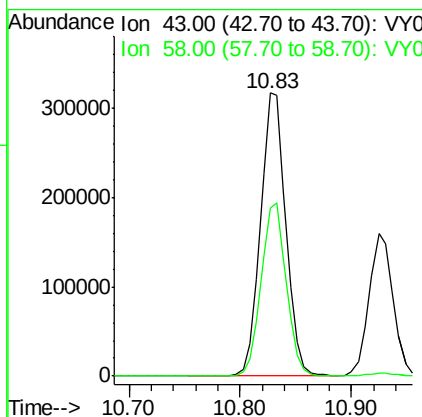
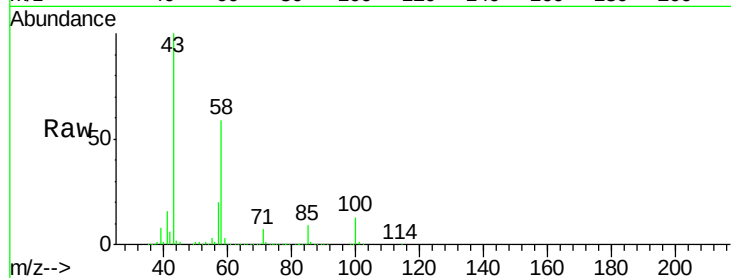
#59
2-Hexanone
Concen: 299.329 ug/l
RT: 10.83 min Scan# 1491
Delta R.T. -0.01 min
Lab File: VY001034.D
Acq: 23 Dec 2019 17:22

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 503726
Ion Ratio Lower Upper
43 100
58 60.6 30.6 91.6

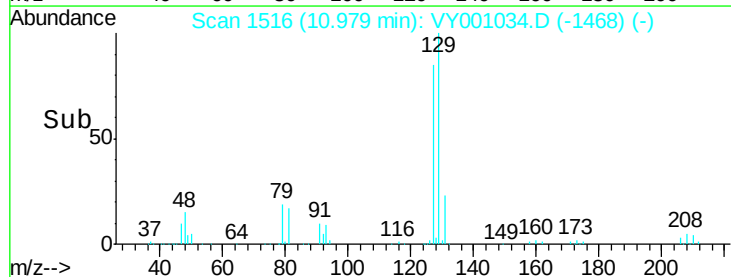
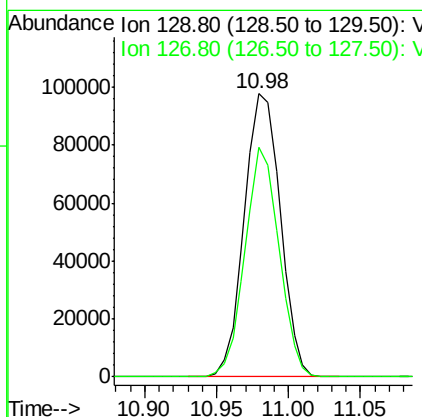
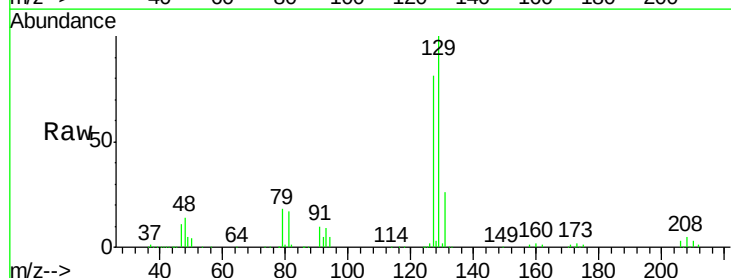
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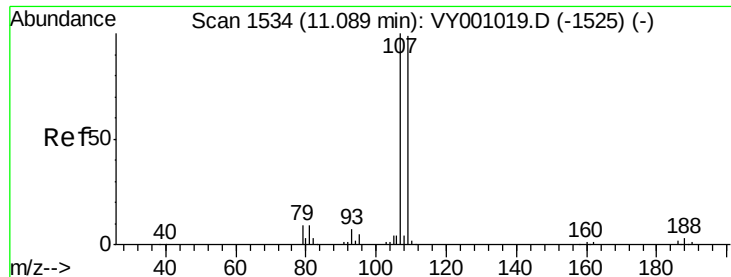
apatel
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#60
Dibromochloromethane
Concen: 59.977 ug/l
RT: 10.98 min Scan# 1516
Delta R.T. -0.01 min
Lab File: VY001034.D
Acq: 23 Dec 2019 17:22

Tgt Ion: 129 Resp: 169866
Ion Ratio Lower Upper
129 100
127 76.3 39.1 117.3





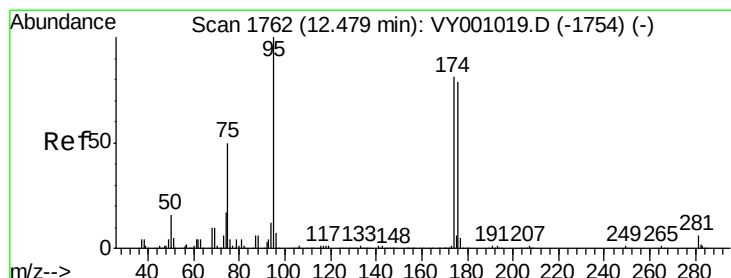
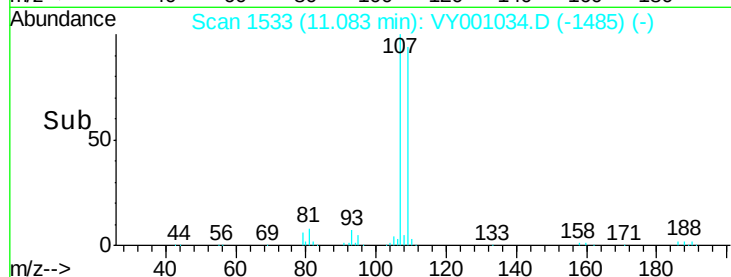
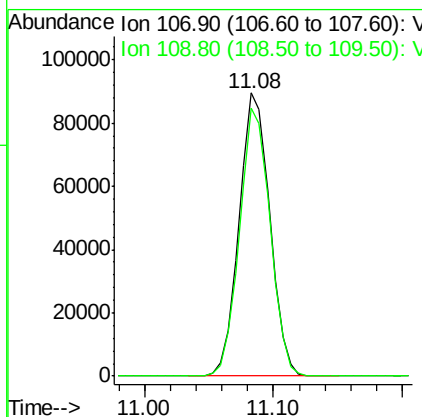
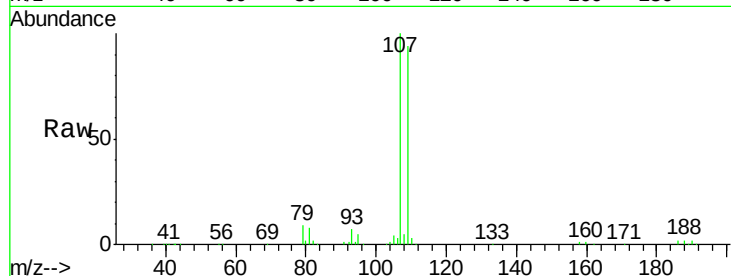
#61
 1,2-Dibromoethane
 Concen: 58.103 ug/l
 RT: 11.08 min Scan# 1533
 Delta R.T. -0.01 min
 Lab File: VY001034.D
 Acq: 23 Dec 2019 17:22

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.9	74.8	112.2

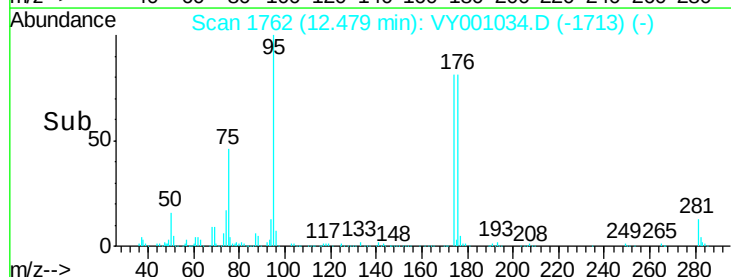
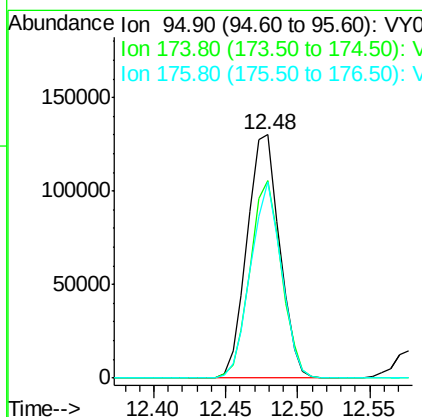
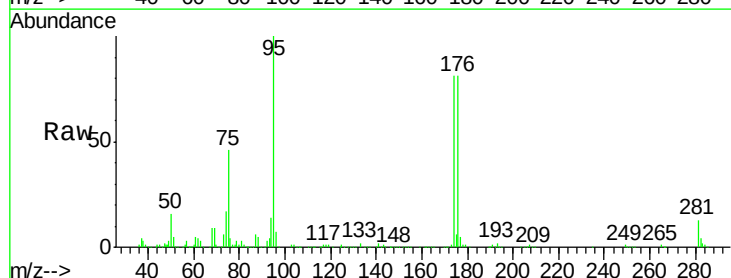
Manual Integrations
 APPROVED

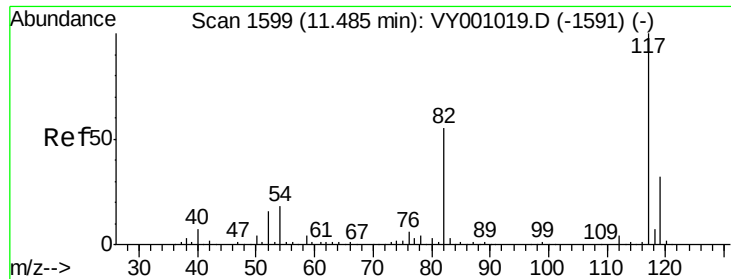
apatel
 12/24/2019 11:06:27 AM



#62
 4-Bromofluorobenzene
 Concen: 50.620 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. 0.00 min
 Lab File: VY001034.D
 Acq: 23 Dec 2019 17:22

Tgt Ion	Ratio	Lower	Upper
95	100		
174	78.2	0.0	156.4
176	76.3	0.0	155.0





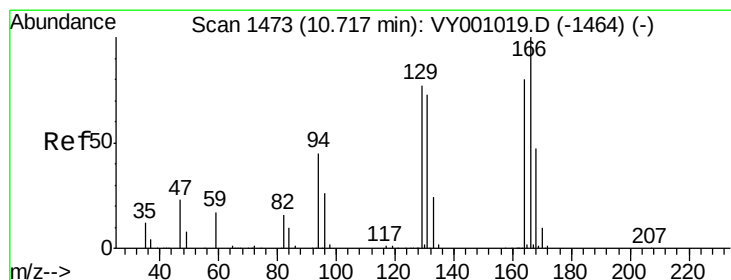
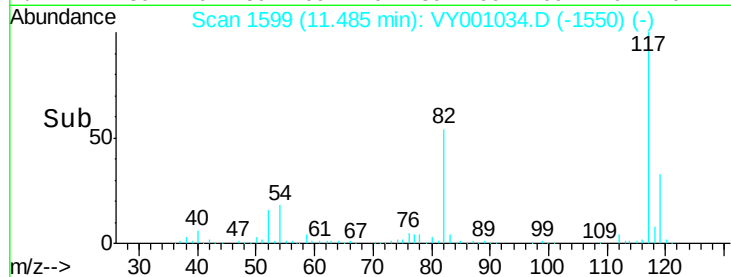
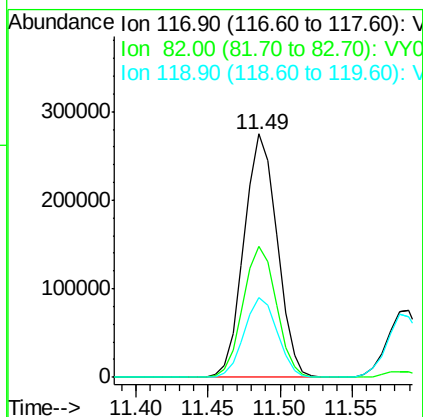
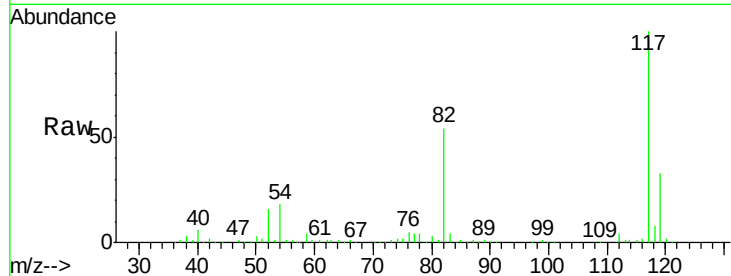
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VY001034.D
Acq: 23 Dec 2019 17:22

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.5	43.8	65.8
119	32.6	25.8	38.6

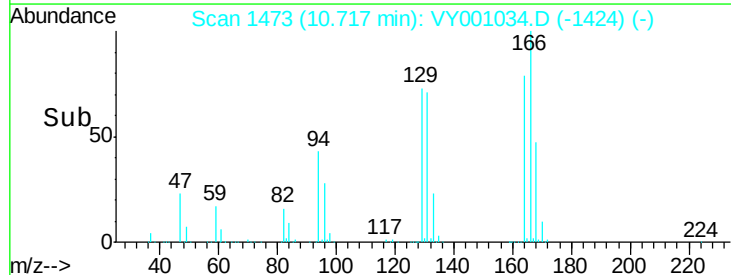
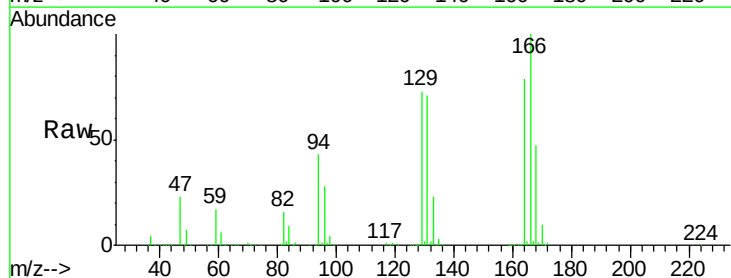
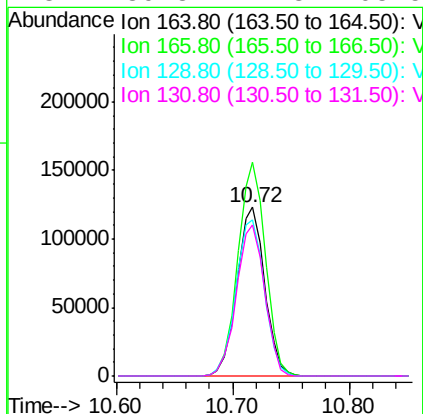
Manual Integrations
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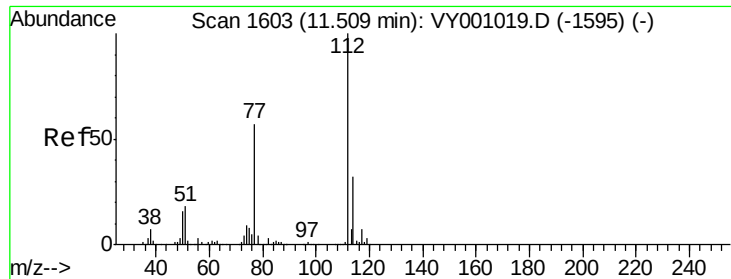
apatel
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#64
Tetrachloroethene
Concen: 54.045 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VY001034.D
Acq: 23 Dec 2019 17:22

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.6	99.7	149.5
129	92.9	76.9	115.3
131	89.8	72.3	108.5





#65

Chlorobenzene

Concen: 53.896 ug/l

RT: 11.51 min Scan# 1603

Delta R.T. 0.00 min

Lab File: VY001034.D

Acq: 23 Dec 2019 17:22

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 489482

Ion Ratio Lower Upper

112 100

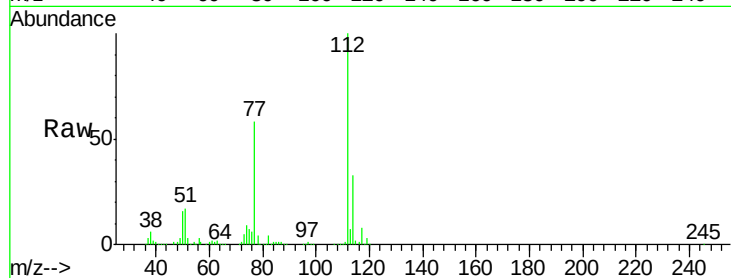
114 32.9 25.4 38.2

Manual Integrations

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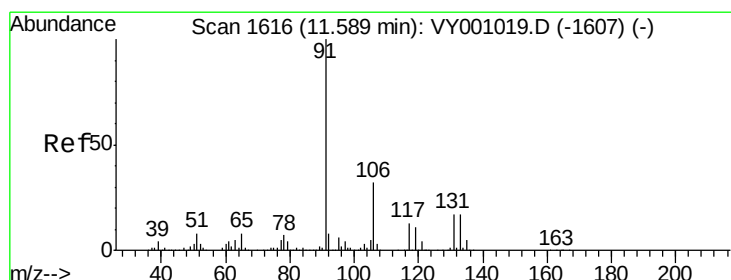
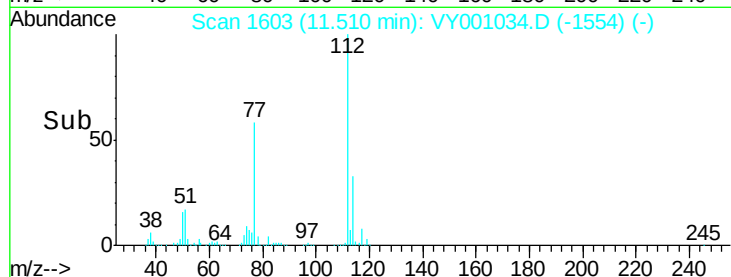
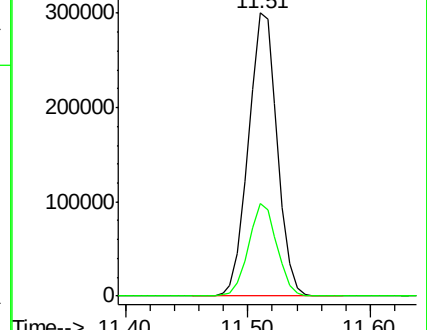
apatel

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 56.875 ug/l

RT: 11.59 min Scan# 1616

Delta R.T. 0.00 min

Lab File: VY001034.D

Acq: 23 Dec 2019 17:22

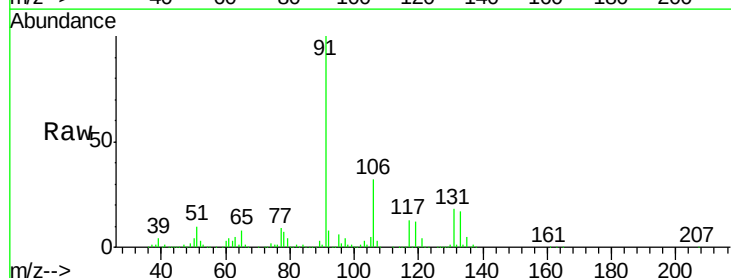
Tgt Ion:131 Resp: 170462

Ion Ratio Lower Upper

131 100

133 95.3 48.1 144.4

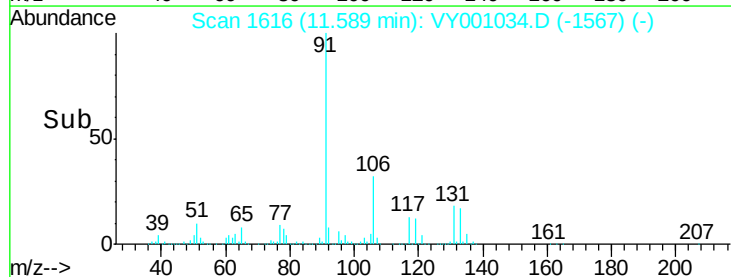
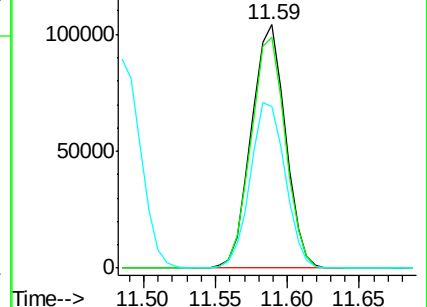
119 69.5 34.0 101.8

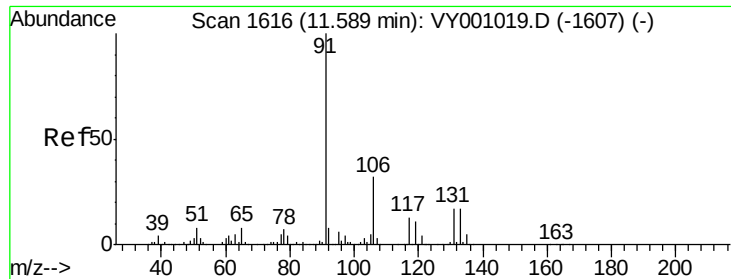


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 55.164 ug/l

RT: 11.59 min Scan# 1616

Delta R.T. 0.00 min

Lab File: VY001034.D

Acq: 23 Dec 2019 17:22

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 901141

Ion Ratio Lower Upper

91 100

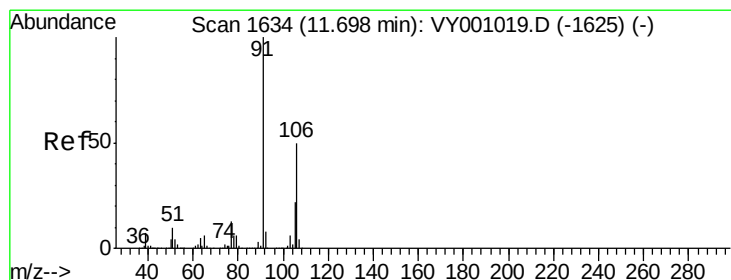
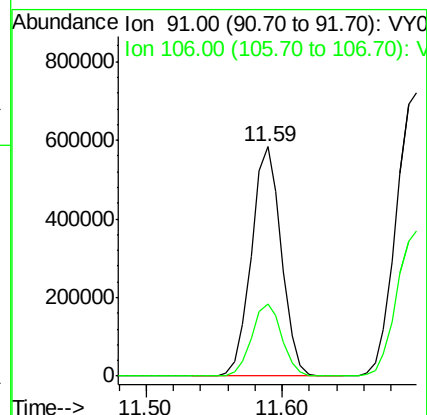
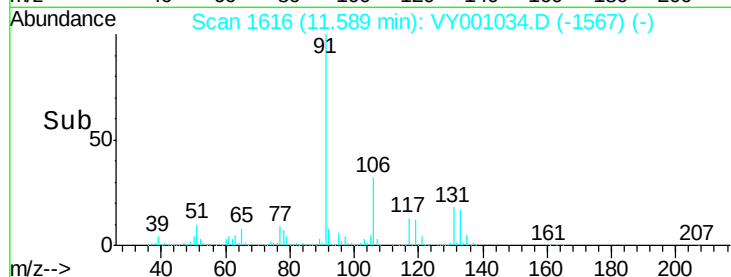
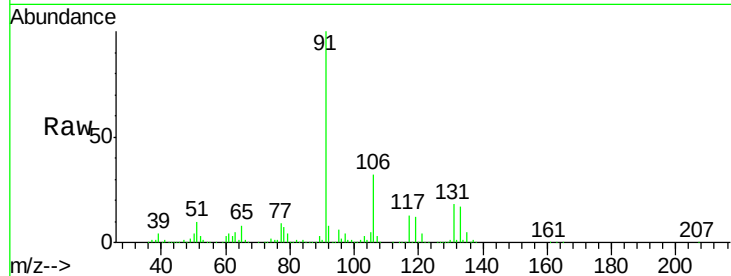
106 31.6 25.3 37.9

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#68

m/p-Xylenes

Concen: 109.547 ug/l

RT: 11.70 min Scan# 1634

Delta R.T. 0.00 min

Lab File: VY001034.D

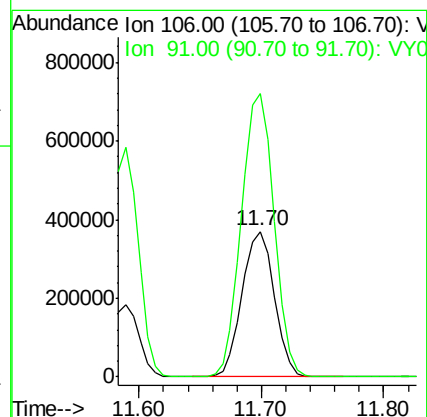
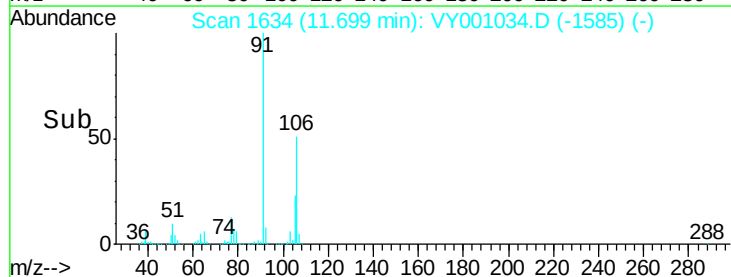
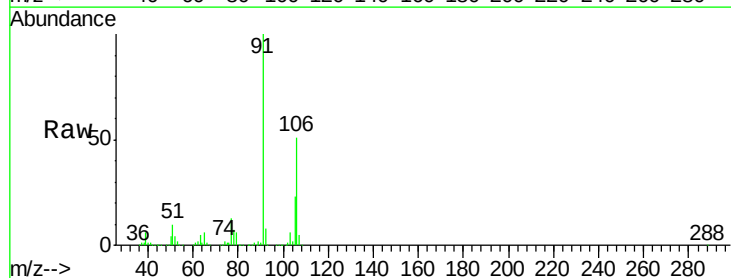
Acq: 23 Dec 2019 17:22

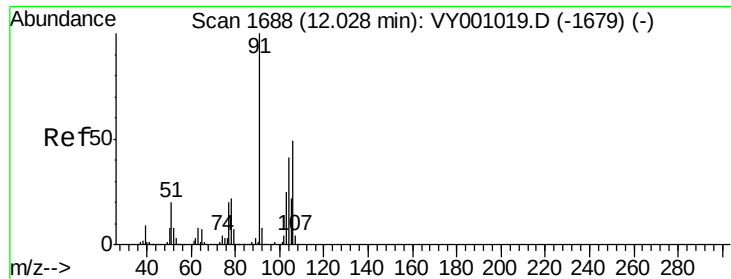
Tgt Ion: 106 Resp: 679470

Ion Ratio Lower Upper

106 100

91 196.4 156.4 234.6





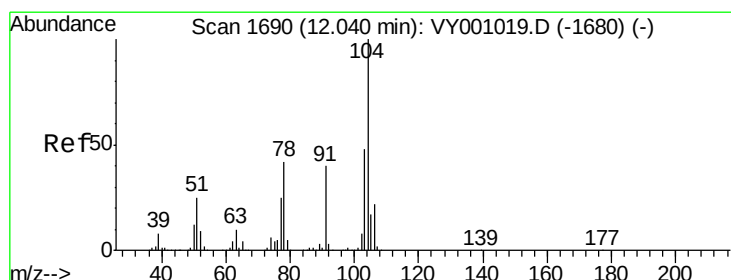
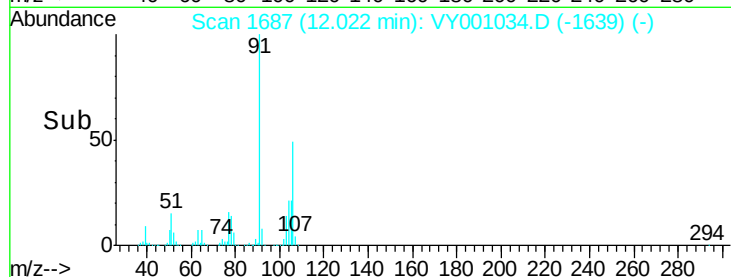
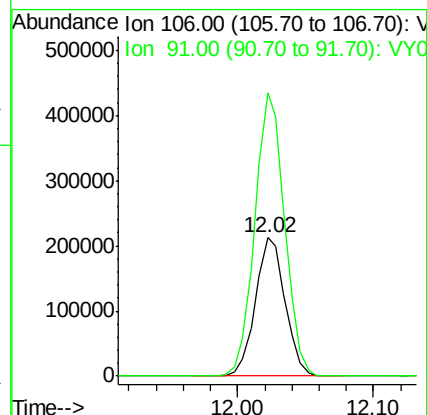
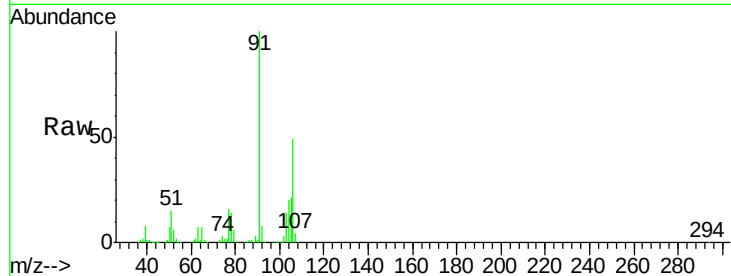
#69
o-Xylene
Concen: 55.731 ug/l
RT: 12.02 min Scan# 1687
Delta R.T. -0.01 min
Lab File: VY001034.D
Acq: 23 Dec 2019 17:22

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	205.1	103.0	309.0

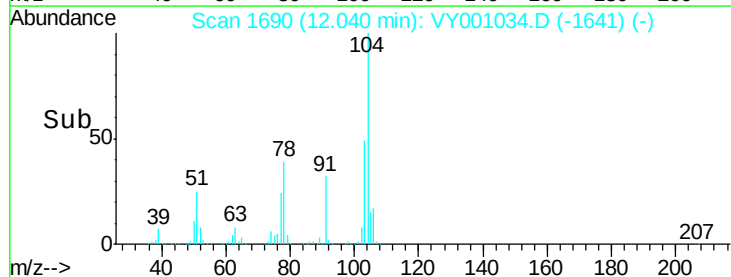
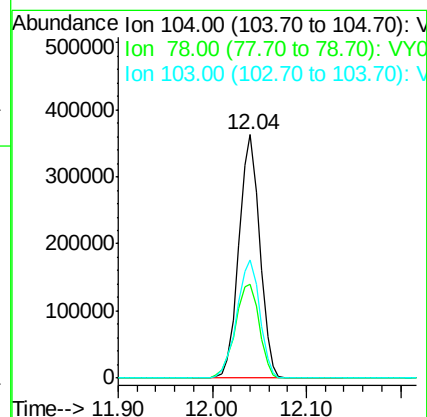
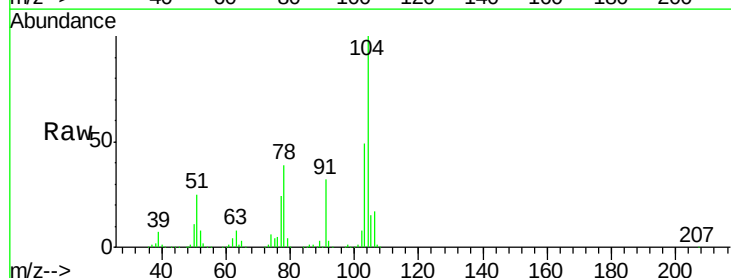
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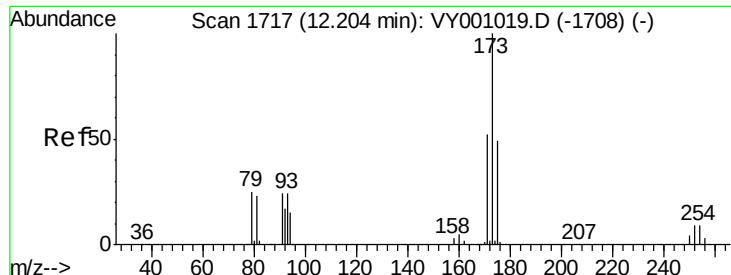
apatel
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#70
Styrene
Concen: 56.201 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VY001034.D
Acq: 23 Dec 2019 17:22

Tgt Ion	Ratio	Lower	Upper
104	100		
78	44.8	36.6	54.8
103	53.2	42.6	64.0





#71

Bromoform

Concen: 59.041 ug/l

RT: 12.20 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VY001034.D

Acq: 23 Dec 2019 17:22

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 98530

Ion Ratio Lower Upper

173 100

175 47.2 24.5 73.5

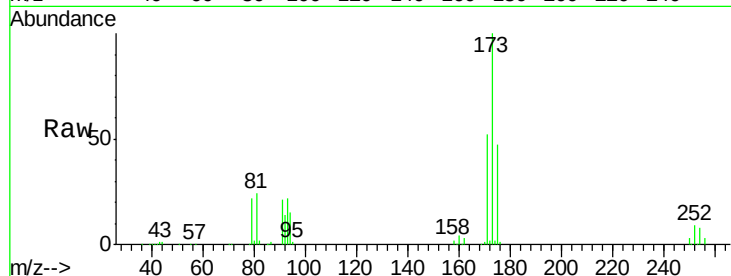
254 0.0 0.0 0.0#

Manual Integrations

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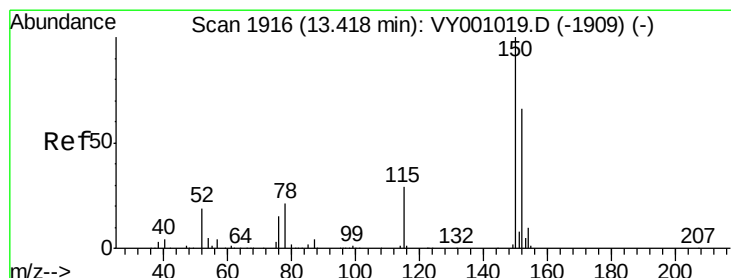
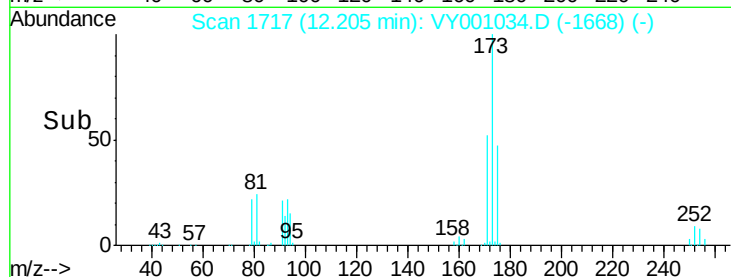
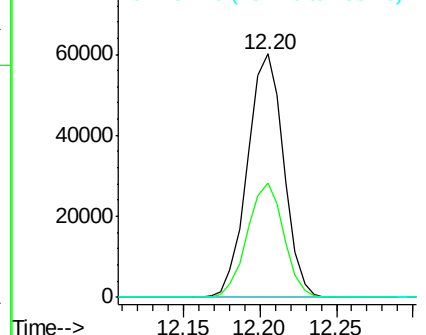
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1916

Delta R.T. 0.00 min

Lab File: VY001034.D

Acq: 23 Dec 2019 17:22

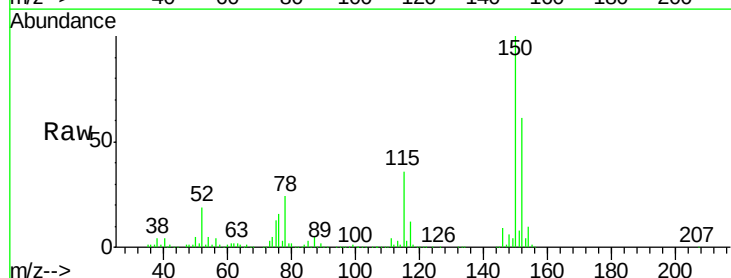
Tgt Ion:152 Resp: 211545

Ion Ratio Lower Upper

152 100

115 58.5 29.8 89.3

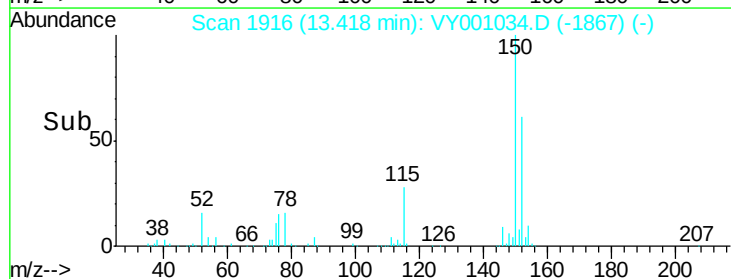
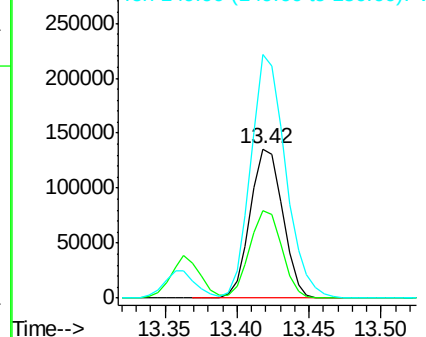
150 174.7 0.0 352.6

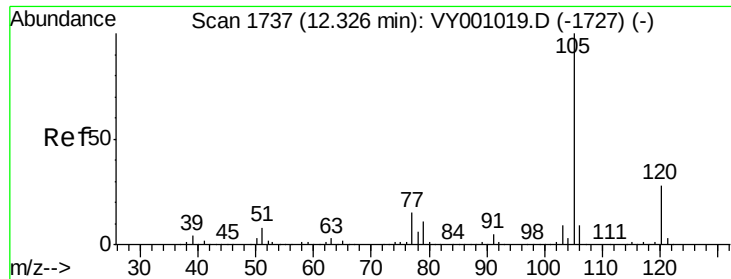


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





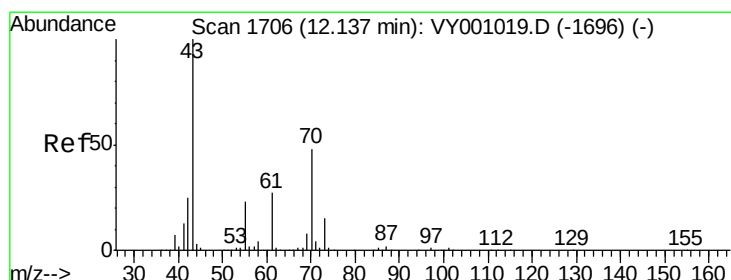
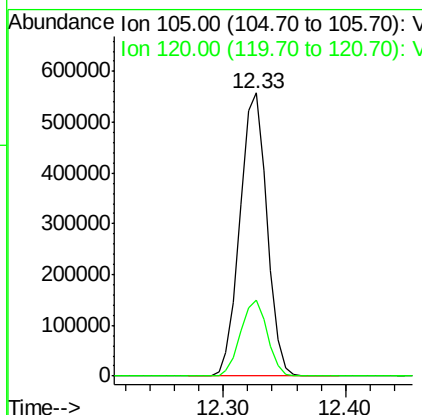
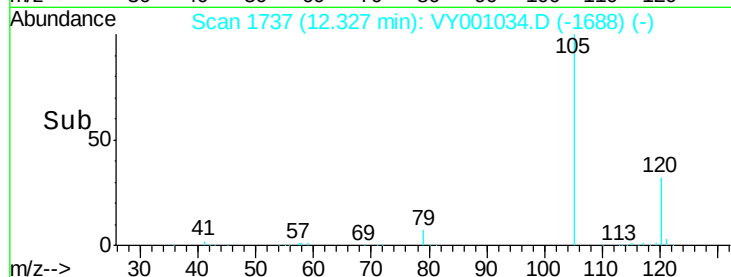
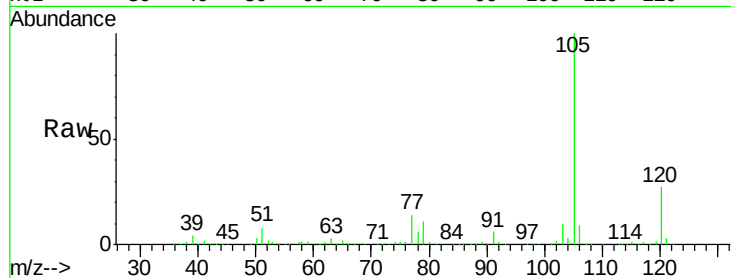
#73
Isopropylbenzene
Concen: 51.981 ug/l
RT: 12.33 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VY001034.D
Acq: 23 Dec 2019 17:22

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion: 105 Resp: 850945
Ion Ratio Lower Upper
105 100
120 26.7 13.4 40.2

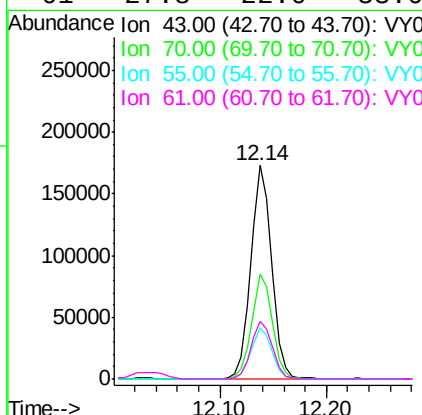
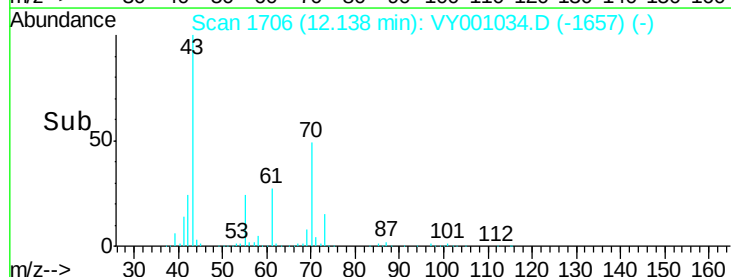
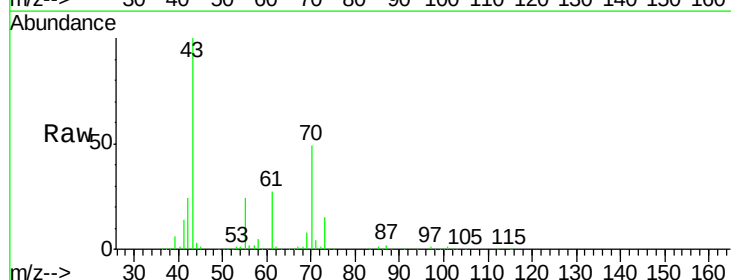
Manual Integrations
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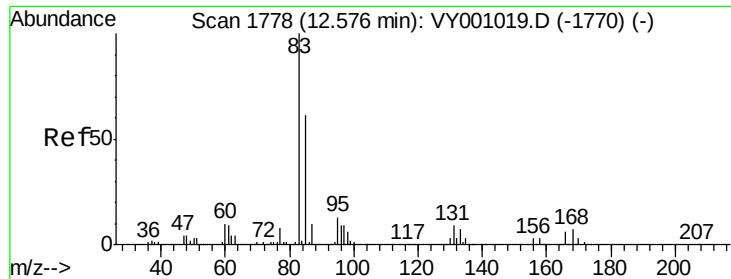
apatel
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#74
N-ethyl acetate
Concen: 55.481 ug/l
RT: 12.14 min Scan# 1706
Delta R.T. 0.00 min
Lab File: VY001034.D
Acq: 23 Dec 2019 17:22

Tgt Ion: 43 Resp: 238605
Ion Ratio Lower Upper
43 100
70 48.5 39.0 58.6
55 24.4 19.5 29.3
61 27.8 22.0 33.0





#75

1,1,2,2-Tetrachloroethane

Concen: 55.138 ug/l

RT: 12.58 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VY001034.D

Acq: 23 Dec 2019 17:22

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 177818

Ion Ratio Lower Upper

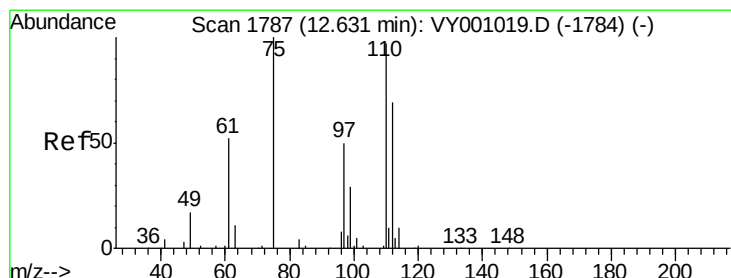
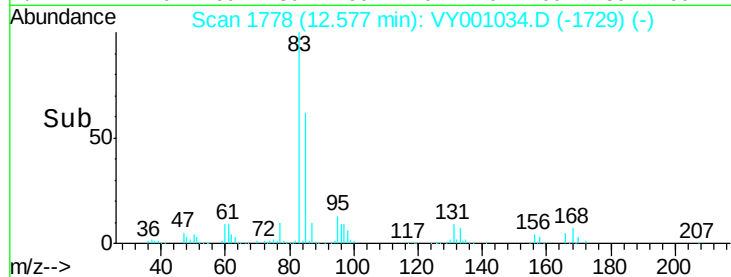
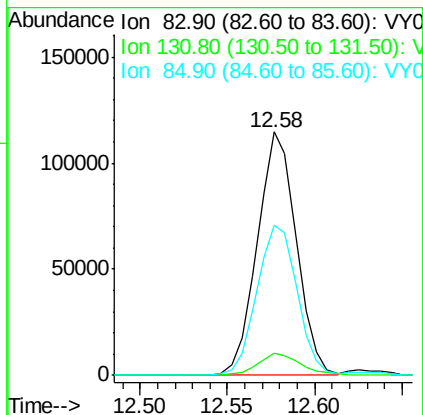
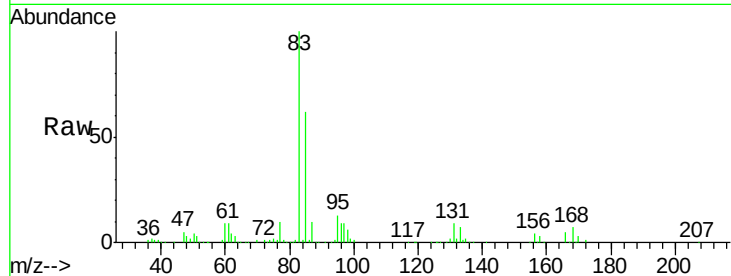
83 100

131 9.8 5.1 15.3

85 64.1 32.1 96.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 53.307 ug/l m

RT: 12.63 min Scan# 1787

Delta R.T. 0.00 min

Lab File: VY001034.D

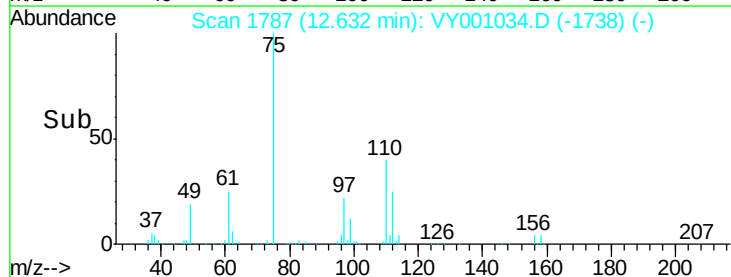
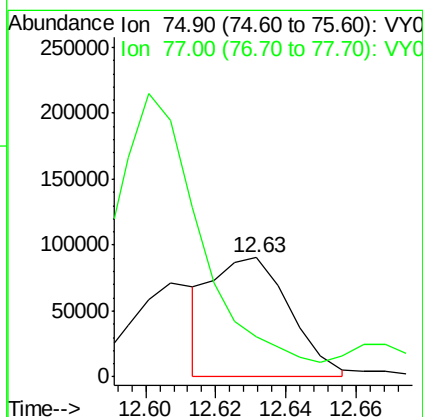
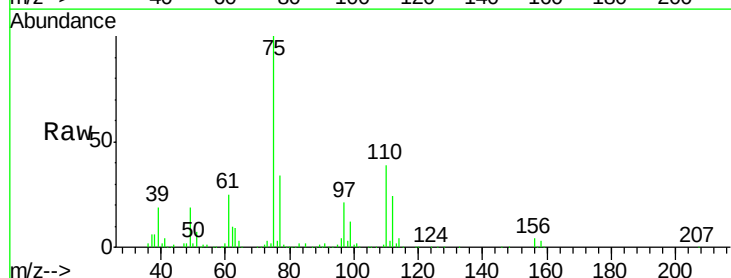
Acq: 23 Dec 2019 17:22

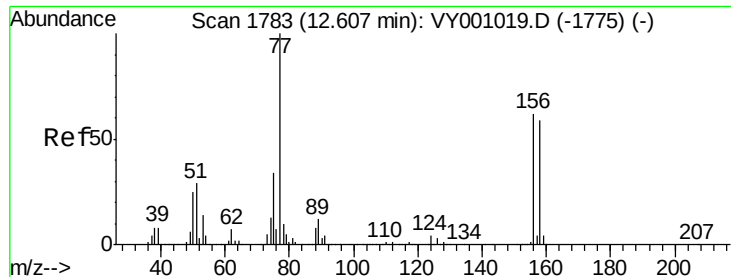
Tgt Ion: 75 Resp: 139020

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 52.302 ug/l

RT: 12.60 min Scan# 1782

Delta R.T. -0.01 min

Lab File: VY001034.D

Acq: 23 Dec 2019 17:22

Instrument :

MSVOA_Y

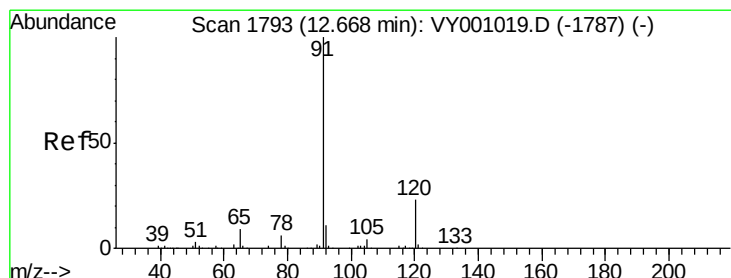
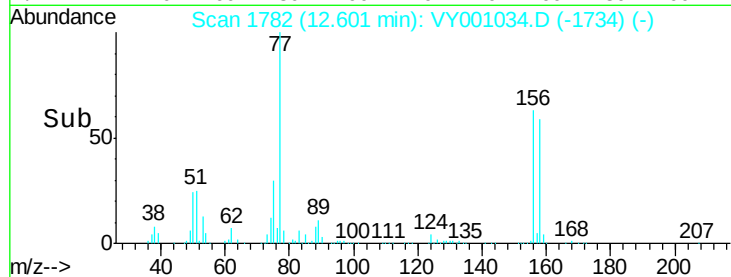
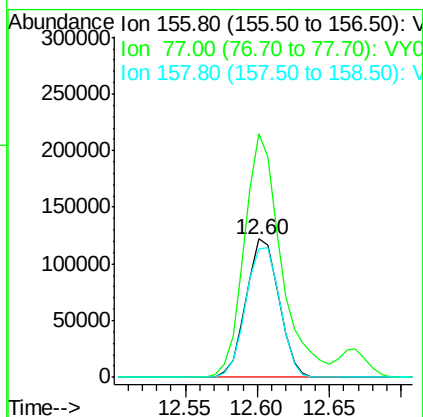
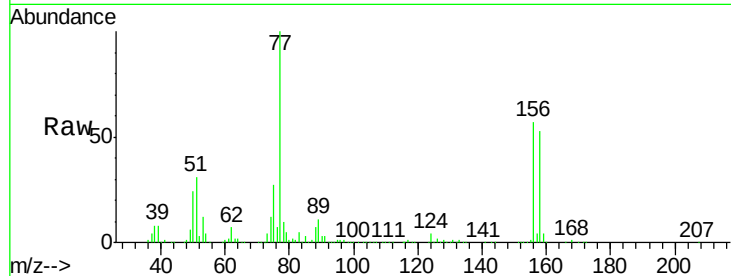
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	192565
Ion Ratio	Lower	Upper	
156	100		
77	197.6	98.0	294.1
158	97.2	48.5	145.6

Manual Integrations
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#78

n-propylbenzene

Concen: 52.145 ug/l

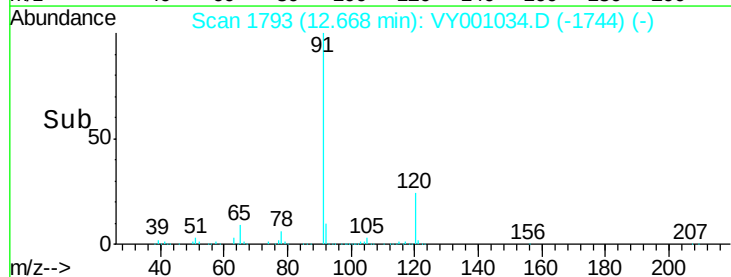
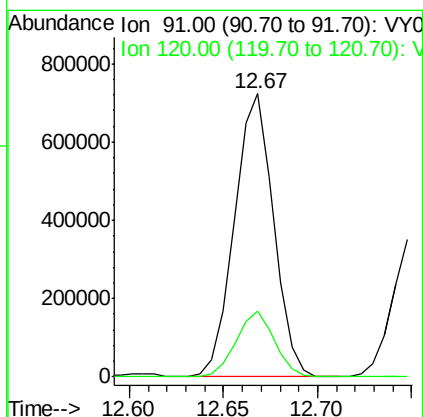
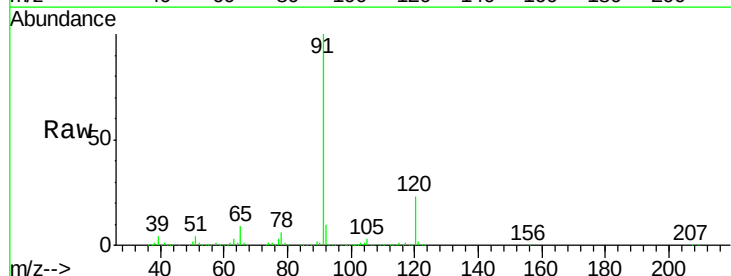
RT: 12.67 min Scan# 1793

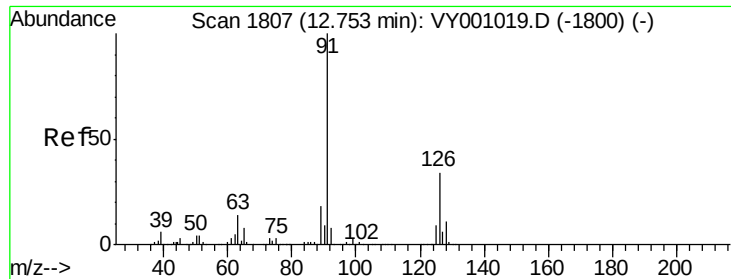
Delta R.T. 0.00 min

Lab File: VY001034.D

Acq: 23 Dec 2019 17:22

Tgt Ion:	91	Resp:	1040155
Ion Ratio	Lower	Upper	
91	100		
120	22.7	11.4	34.2





#79

2-Chlorotoluene

Concen: 52.149 ug/l

RT: 12.75 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VY001034.D

Acq: 23 Dec 2019 17:22

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 574459

Ion Ratio Lower Upper

91 100

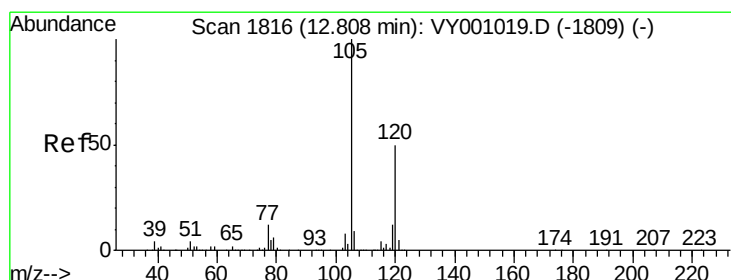
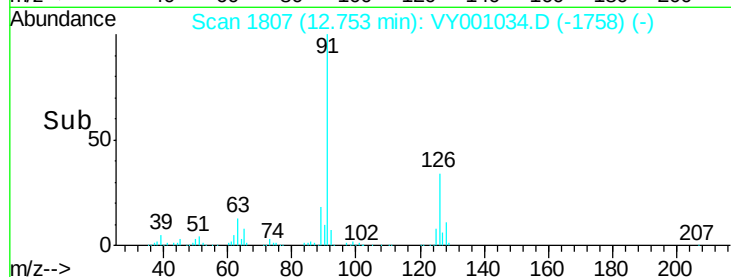
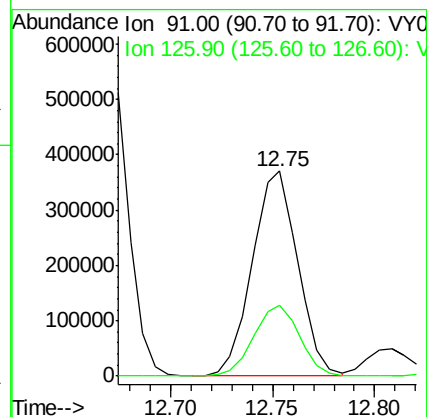
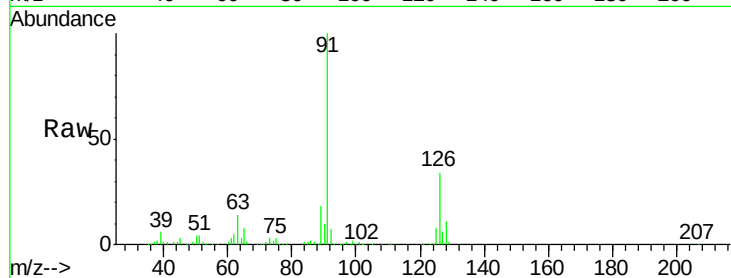
126 34.9 17.3 51.7

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 52.625 ug/l

RT: 12.81 min Scan# 1816

Delta R.T. 0.00 min

Lab File: VY001034.D

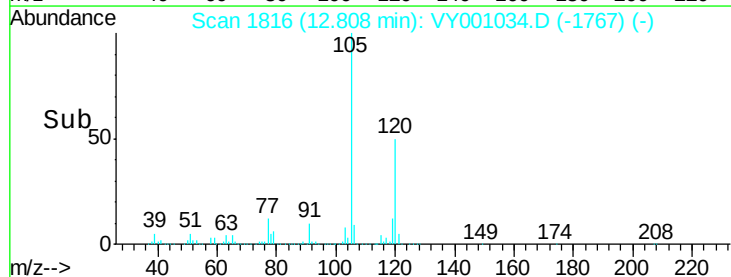
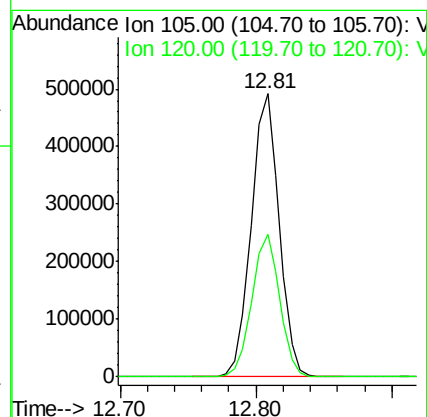
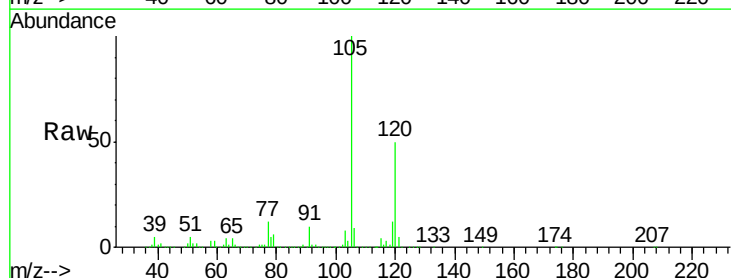
Acq: 23 Dec 2019 17:22

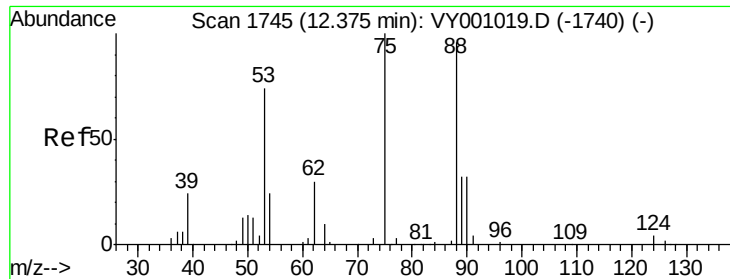
Tgt Ion: 105 Resp: 706158

Ion Ratio Lower Upper

105 100

120 50.1 25.1 75.4





#81

trans-1,4-Dichloro-2-butene

Concen: 55.860 ug/l

RT: 12.38 min Scan# 1745

Delta R.T. 0.00 min

Lab File: VY001034.D

Acq: 23 Dec 2019 17:22

Instrument :

MSVOA_Y

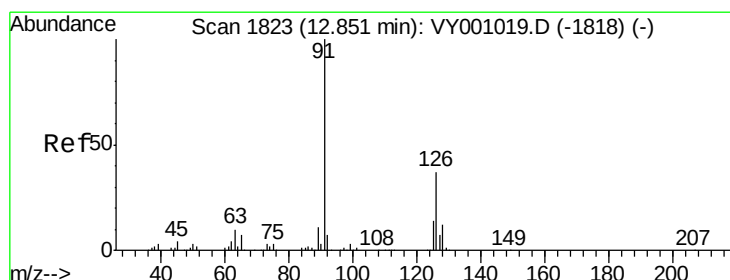
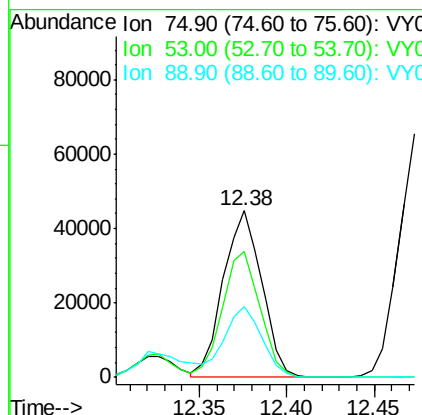
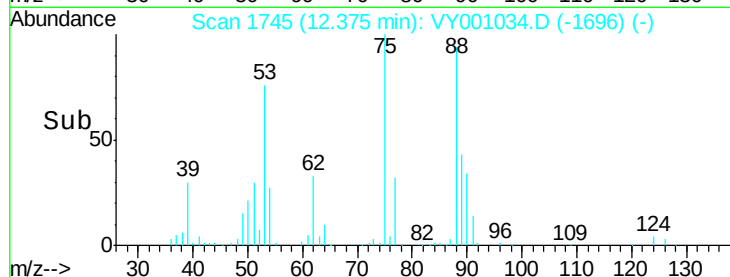
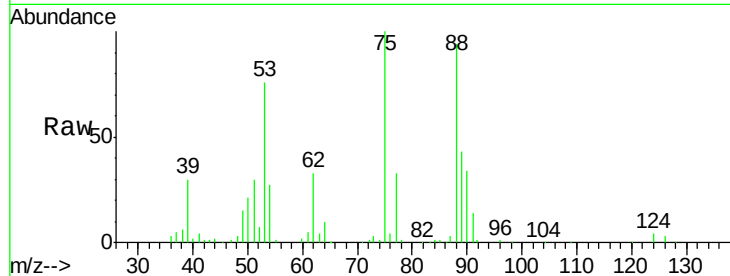
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	68305
Ion Ratio	Lower	Upper	
75	100		
53	74.3	60.6	91.0
89	41.4	35.4	53.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 52.349 ug/l

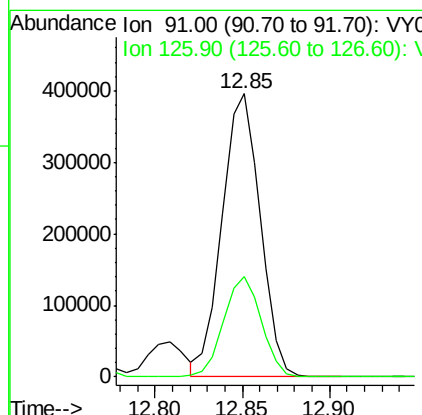
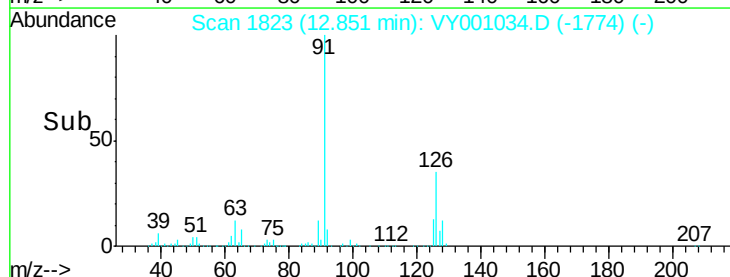
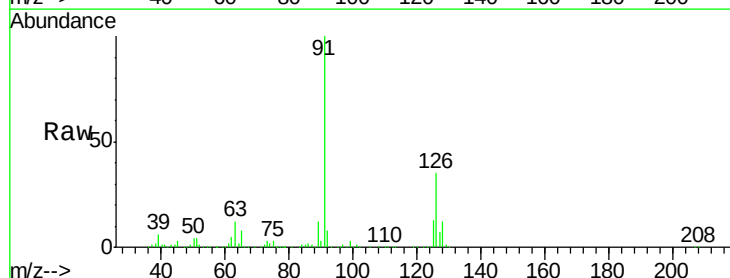
RT: 12.85 min Scan# 1823

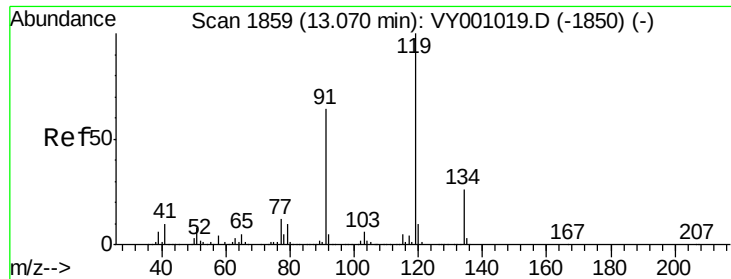
Delta R.T. 0.00 min

Lab File: VY001034.D

Acq: 23 Dec 2019 17:22

Tgt Ion:	91	Resp:	598967
Ion Ratio	Lower	Upper	
91	100		
126	34.9	17.6	52.8





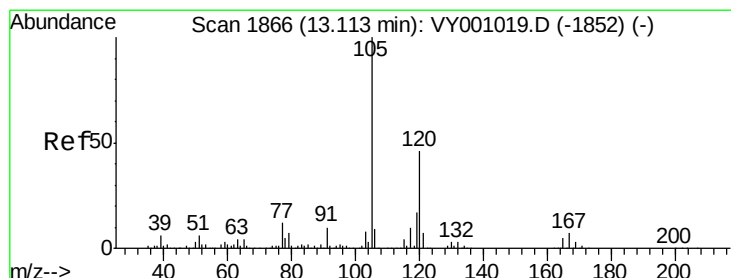
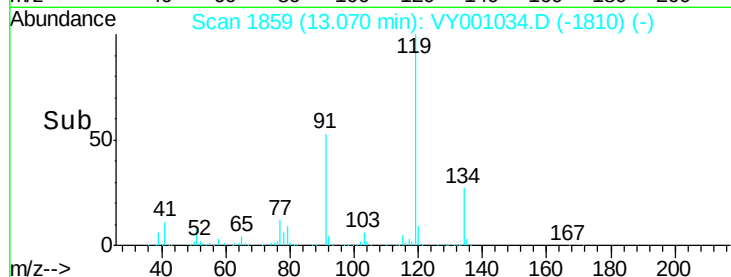
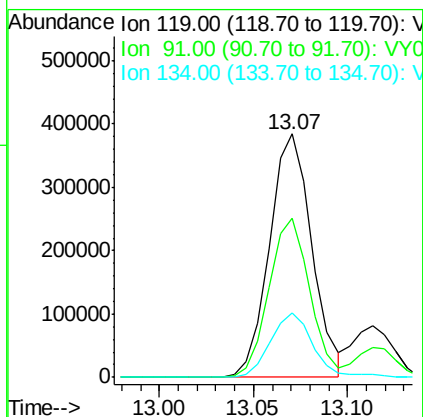
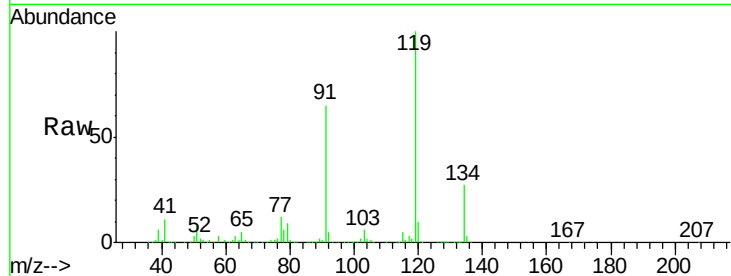
#83
tert-Butylbenzene
Concen: 53.181 ug/l
RT: 13.07 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VY001034.D
Acq: 23 Dec 2019 17:22

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	599033		
91	62.9		31.9	95.7
134	26.6		13.6	40.7

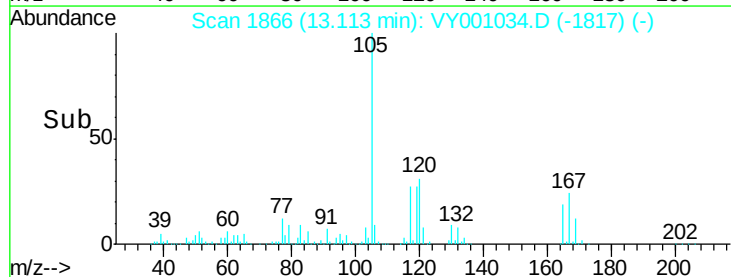
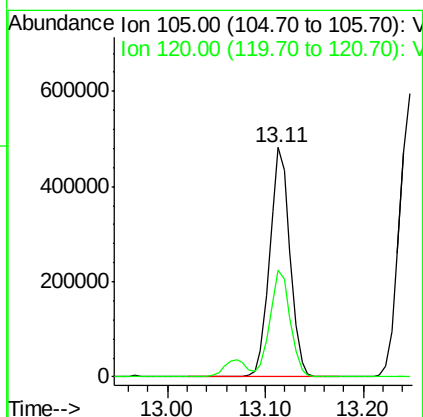
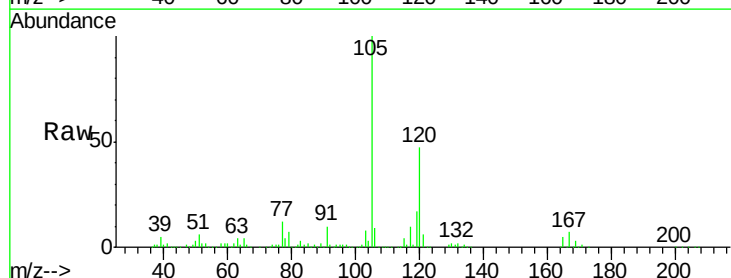
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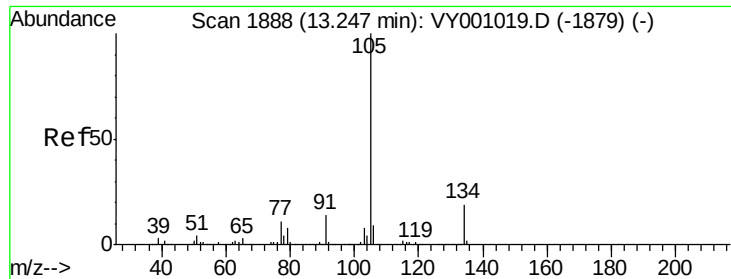
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#84
1,2,4-Trimethylbenzene
Concen: 52.314 ug/l
RT: 13.11 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VY001034.D
Acq: 23 Dec 2019 17:22

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	705417		
120	46.3		23.4	70.2





#85

sec-Butylbenzene

Concen: 52.673 ug/l

RT: 13.25 min Scan# 1888

Delta R.T. 0.00 min

Lab File: VY001034.D

Acq: 23 Dec 2019 17:22

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 874684

Ion Ratio Lower Upper

105 100

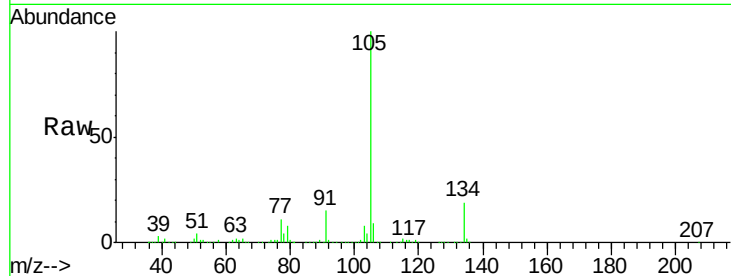
134 19.9 10.0 30.0

Manual Integrations

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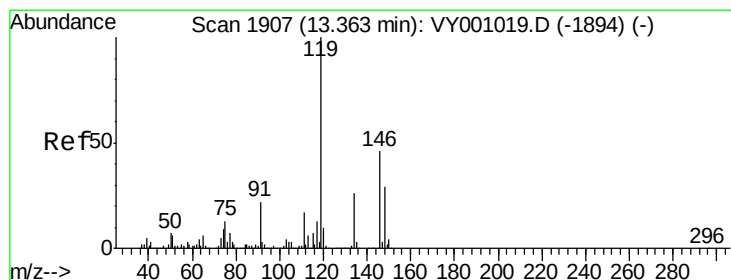
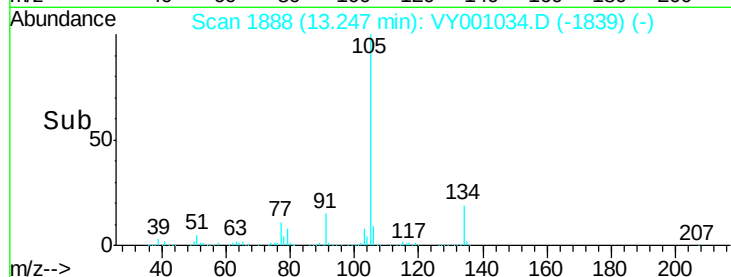
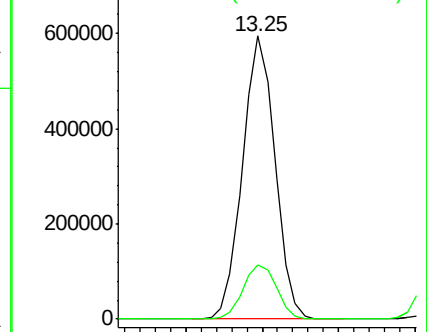
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 53.226 ug/l

RT: 13.36 min Scan# 1907

Delta R.T. 0.00 min

Lab File: VY001034.D

Acq: 23 Dec 2019 17:22

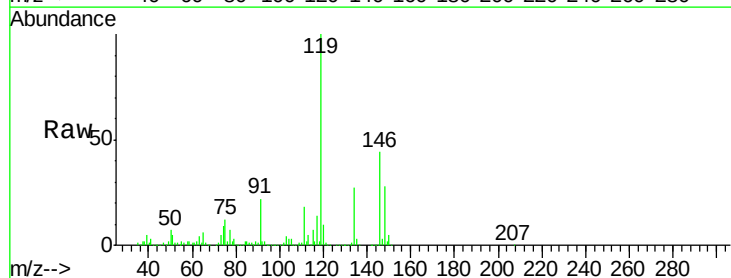
Tgt Ion:119 Resp: 764795

Ion Ratio Lower Upper

119 100

134 26.7 13.6 40.7

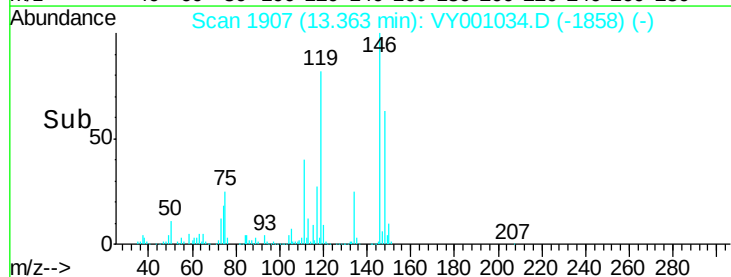
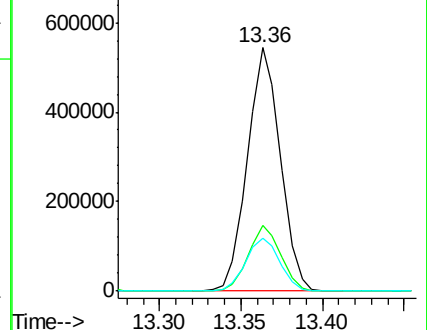
91 22.5 11.4 34.1

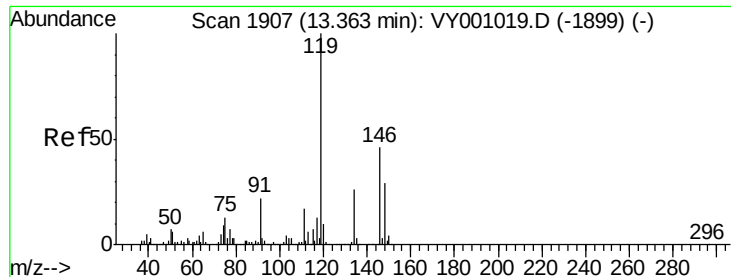


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0





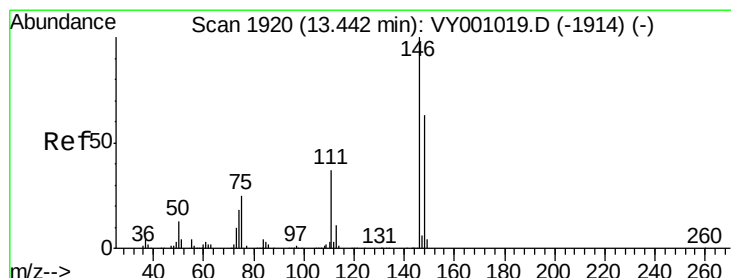
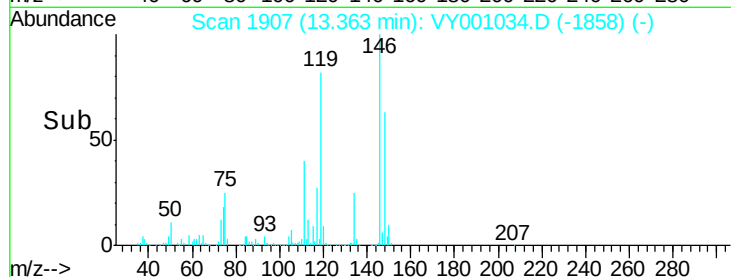
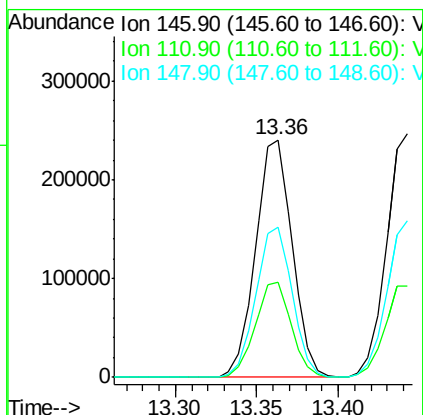
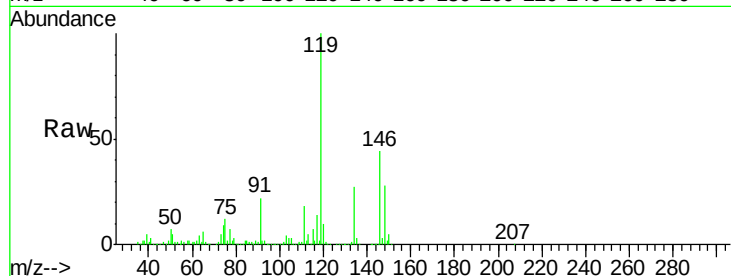
#87
 1,3-Dichlorobenzene
 Concen: 53.091 ug/l
 RT: 13.36 min Scan# 1907
 Delta R.T. 0.00 min
 Lab File: VY001034.D
 Acq: 23 Dec 2019 17:22

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.7	59.0
148	62.9	31.9	95.5

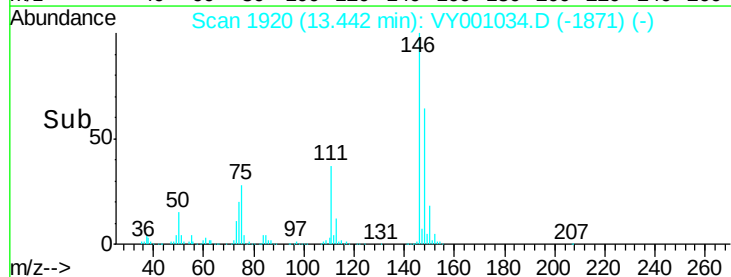
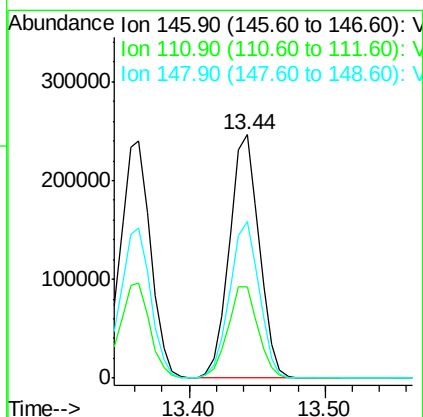
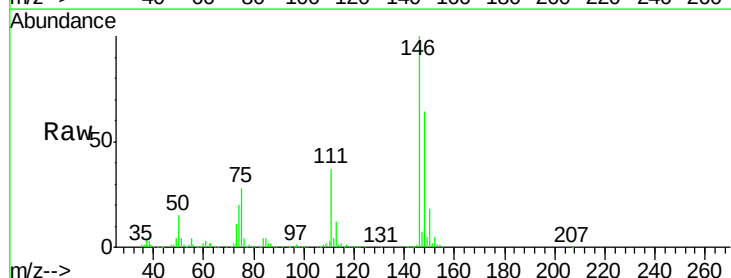
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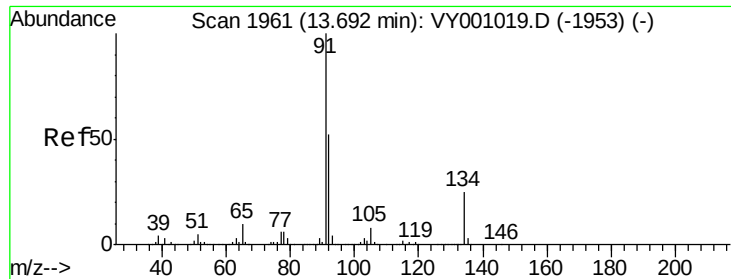
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#88
 1,4-Dichlorobenzene
 Concen: 52.565 ug/l
 RT: 13.44 min Scan# 1920
 Delta R.T. 0.00 min
 Lab File: VY001034.D
 Acq: 23 Dec 2019 17:22

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.2	19.4	58.2
148	63.6	31.8	95.3





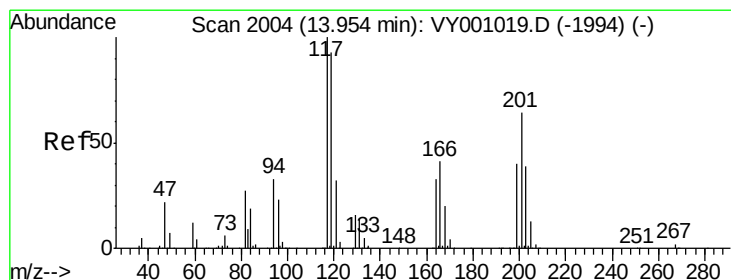
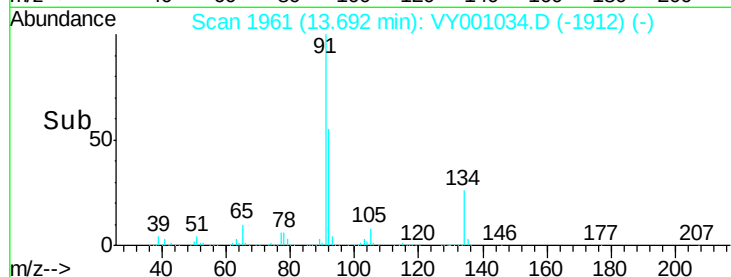
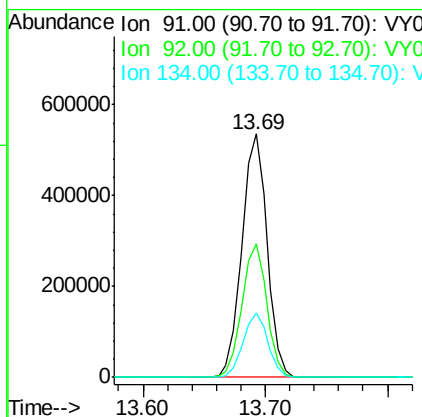
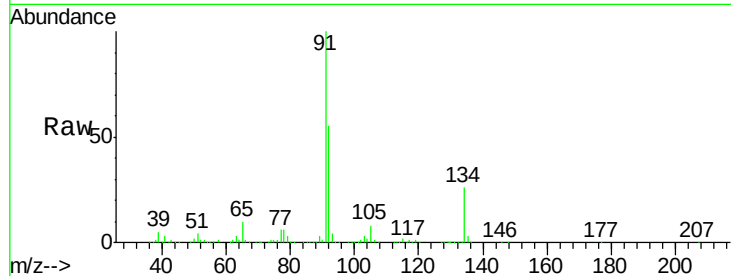
#89
n-Butylbenzene
Concen: 52.690 ug/l
RT: 13.69 min Scan# 1961
Delta R.T. 0.00 min
Lab File: VY001034.D
Acq: 23 Dec 2019 17:22

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.1	26.9	80.7
134	26.0	12.7	38.0

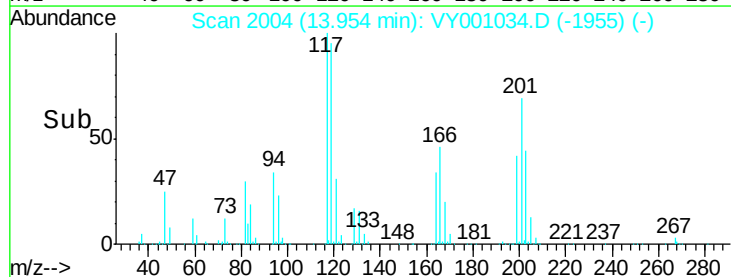
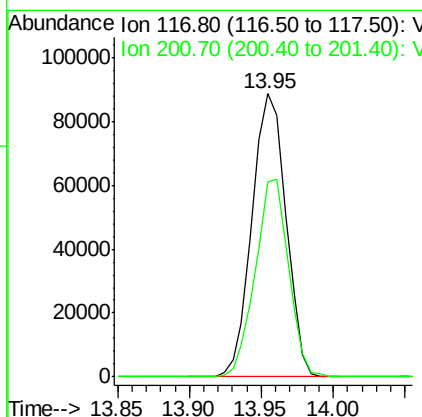
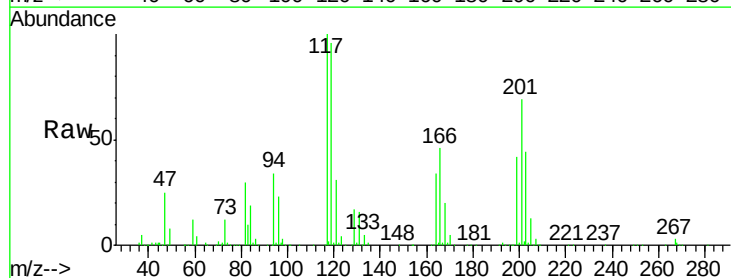
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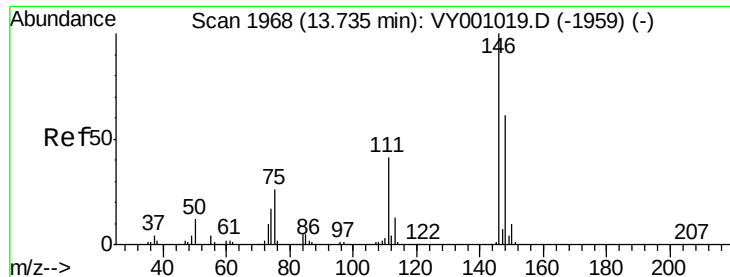
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#90
Hexachloroethane
Concen: 53.390 ug/l
RT: 13.95 min Scan# 2004
Delta R.T. 0.00 min
Lab File: VY001034.D
Acq: 23 Dec 2019 17:22

Tgt Ion	Ratio	Lower	Upper
117	100		
201	68.3	33.7	101.1





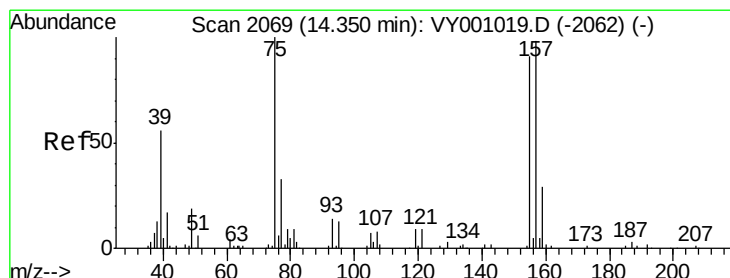
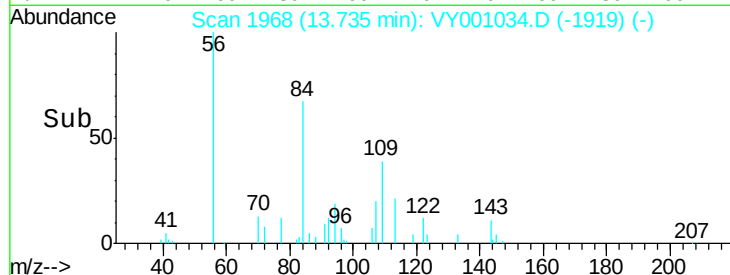
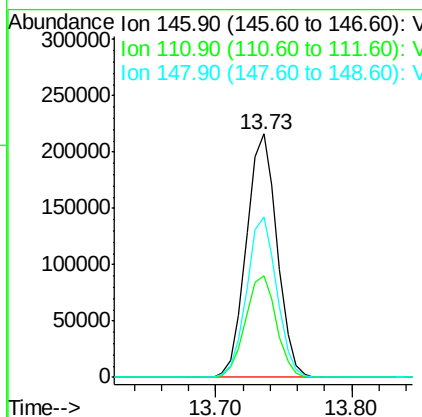
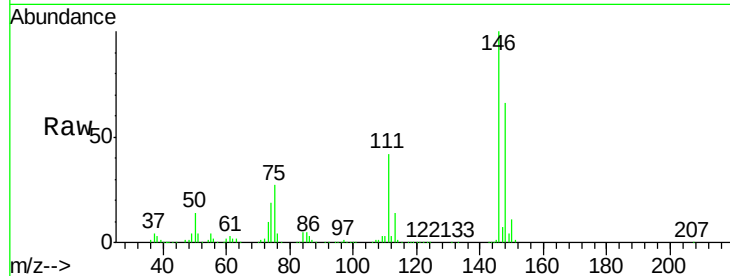
#91
 1,2-Dichlorobenzene
 Concen: 52.356 ug/l
 RT: 13.73 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VY001034.D
 Acq: 23 Dec 2019 17:22

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.1	20.6	61.9
148	64.5	31.6	94.7

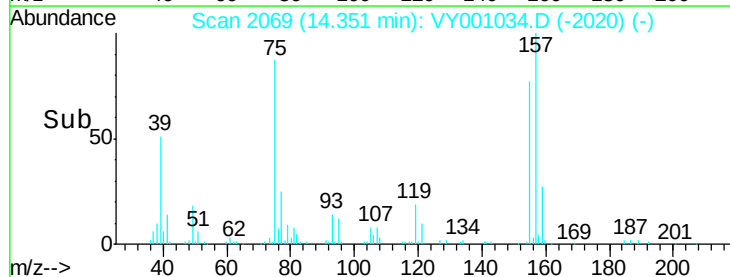
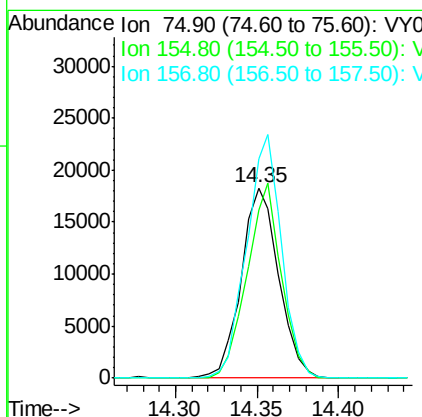
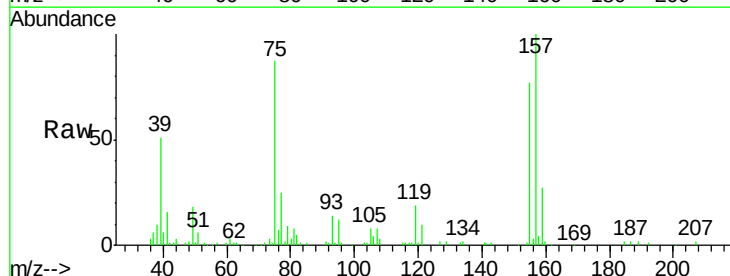
Manual Integrations
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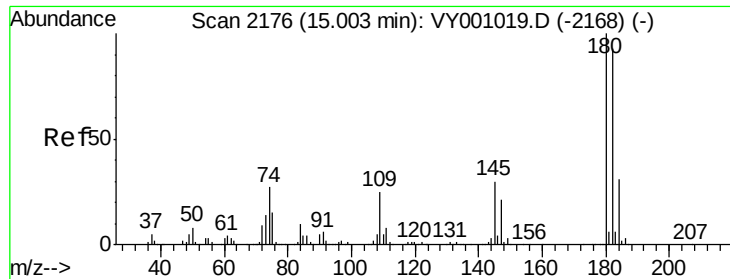
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.339 ug/l
 RT: 14.35 min Scan# 2069
 Delta R.T. 0.00 min
 Lab File: VY001034.D
 Acq: 23 Dec 2019 17:22

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.6	46.3	138.9
157	119.1	58.1	174.4





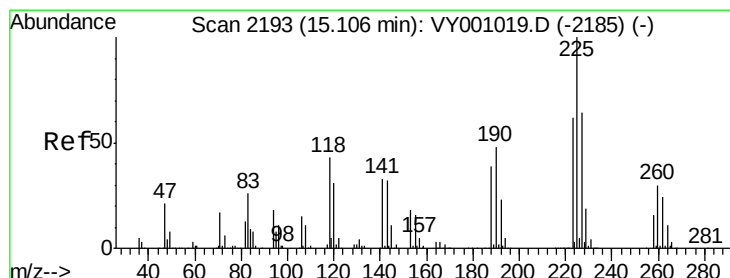
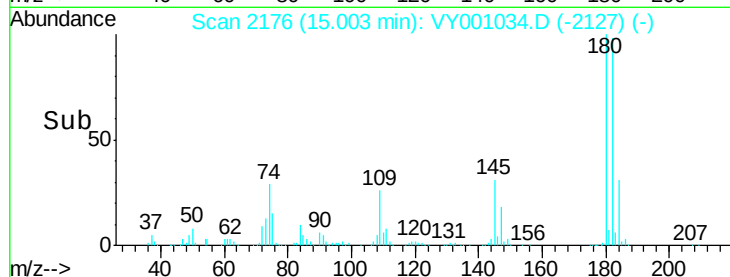
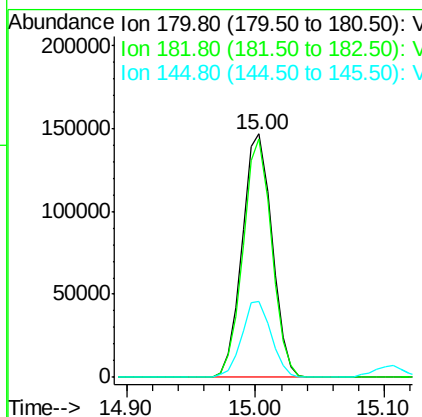
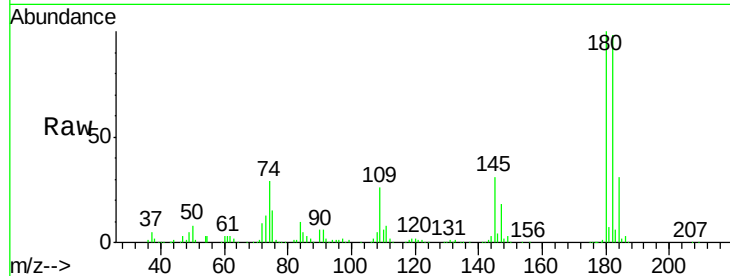
#93
 1,2,4-Trichlorobenzene
 Concen: 53.016 ug/l
 RT: 15.00 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VY001034.D
 Acq: 23 Dec 2019 17:22

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	233416		
182	94.1	46.8	140.3	
145	31.0	15.3	45.9	

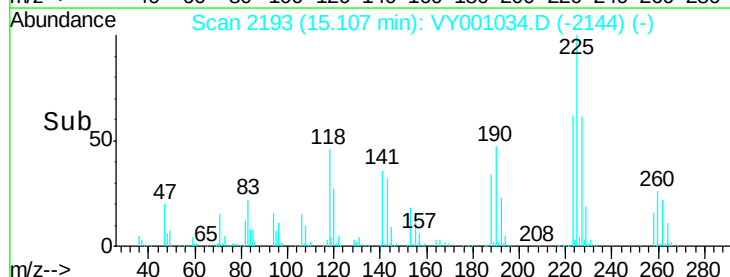
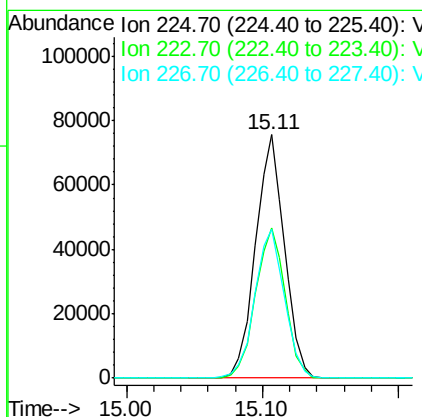
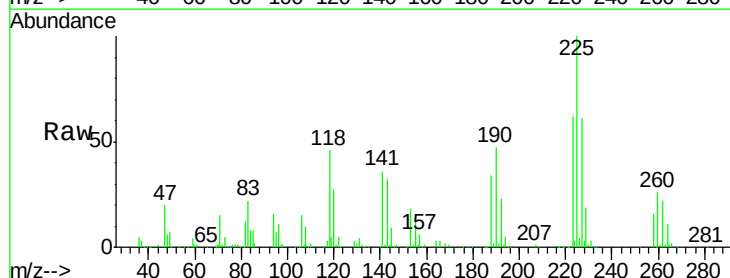
Manual Integrations
 APPROVED

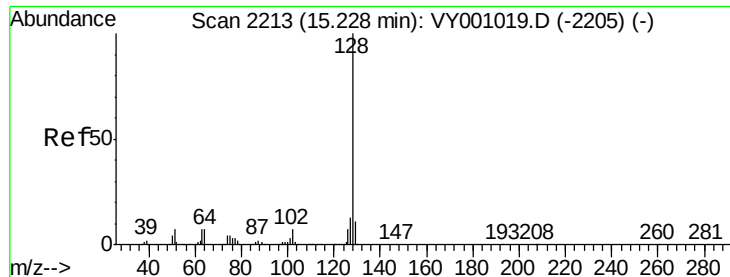
apatel
 12/24/2019 11:06:27 AM



#94
 Hexachlorobutadiene
 Concen: 53.728 ug/l
 RT: 15.11 min Scan# 2193
 Delta R.T. 0.00 min
 Lab File: VY001034.D
 Acq: 23 Dec 2019 17:22

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	112567		
223	63.4	31.6	94.8	
227	62.9	31.9	95.5	





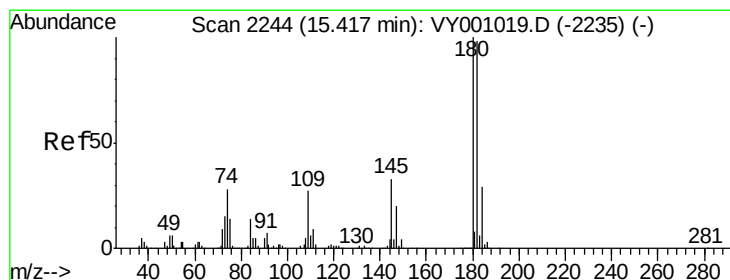
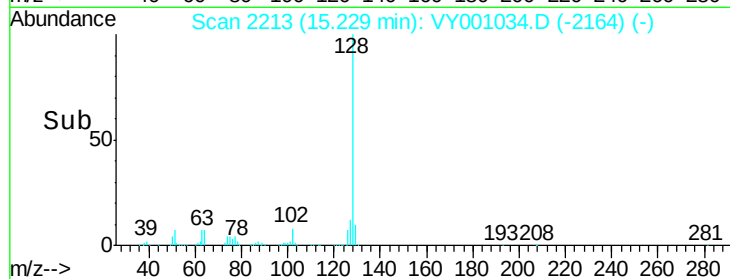
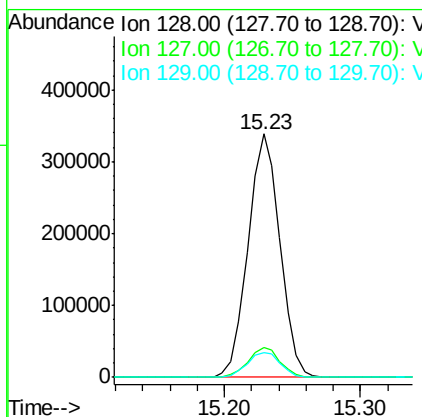
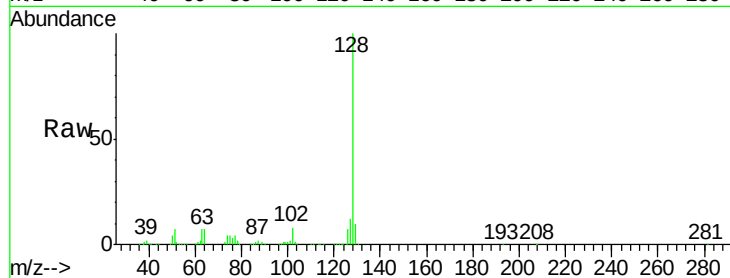
#95
Naphthalene
Concen: 53.618 ug/l
RT: 15.23 min Scan# 2213
Delta R.T. 0.00 min
Lab File: VY001034.D
Acq: 23 Dec 2019 17:22

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp Lower	Resp Upper
128	100		
127	12.3	9.9	14.9
129	10.7	8.6	13.0

Manual Integrations
APPROVED

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#96
1,2,3-Trichlorobenzene
Concen: 53.613 ug/l
RT: 15.42 min Scan# 2244
Delta R.T. 0.00 min
Lab File: VY001034.D
Acq: 23 Dec 2019 17:22

Tgt Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	94.7	47.9	143.8
145	32.3	16.3	48.9

