

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY011320\
 Data File : VY001168.D
 Acq On : 13 Jan 2020 09:25
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Quant Time: Jan 14 10:09:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y011020S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 10 16:01:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	214234	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	367443	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	320970	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	152484	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	113600	50.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.42%	
35) Dibromofluoromethane	7.73	113	106472	49.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.98%	
50) Toluene-d8	10.18	98	440536	53.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.28%	
62) 4-Bromofluorobenzene	12.48	95	167743	49.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.00%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.91	85	82230	49.979	ug/l	99
3) Chloromethane	2.12	50	120030	50.612	ug/l	98
4) Vinyl Chloride	2.26	62	125453	52.508	ug/l	98
5) Bromomethane	2.65	94	73746	57.463	ug/l	98
6) Chloroethane	2.80	64	74368	53.878	ug/l	98
7) Trichlorofluoromethane	3.13	101	167428	50.345	ug/l	96
8) Diethyl Ether	3.54	74	64721	50.084	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.91	101	110504	51.621	ug/l	98
10) Methyl Iodide	4.10	142	152595	52.079	ug/l	99
11) Tert butyl alcohol	4.96	59	52384	230.101	ug/l	99
12) 1,1-Dichloroethene	3.88	96	113276	51.722	ug/l	95
13) Acrolein	3.74	56	48789	238.055	ug/l	97
14) Allyl chloride	4.49	41	193612	52.379	ug/l	100
15) Acrylonitrile	5.18	53	159644	247.017	ug/l	99
16) Acetone	3.96	43	127986	243.555	ug/l	96
17) Carbon Disulfide	4.20	76	371245	52.374	ug/l	99
18) Methyl Acetate	4.49	43	79051	45.500	ug/l	99
19) Methyl tert-butyl Ether	5.23	73	302260	49.894	ug/l	100
20) Methylene Chloride	4.72	84	124092	50.756	ug/l	96
21) trans-1,2-Dichloroethene	5.23	96	129692	52.225	ug/l	98
22) Diisopropyl ether	6.13	45	395078	52.330	ug/l	98
23) Vinyl Acetate	6.07	43	1253749	259.663	ug/l	99
24) 1,1-Dichloroethane	6.03	63	216065	52.276	ug/l	99
25) 2-Butanone	7.00	43	202386	247.462	ug/l	100
26) 2,2-Dichloropropane	6.99	77	196846	51.791	ug/l	98
27) cis-1,2-Dichloroethene	6.99	96	141842	52.127	ug/l	99
28) Bromochloromethane	7.34	49	90645	53.407	ug/l	99
29) Tetrahydrofuran	7.35	42	137305	244.981	ug/l	99
30) Chloroform	7.52	83	211035	52.110	ug/l	99
31) Cyclohexane	7.79	56	218968	50.036	ug/l	99
32) 1,1,1-Trichloroethane	7.71	97	186266	51.837	ug/l	100
36) 1,1-Dichloropropene	7.92	75	175072	52.276	ug/l	100
37) Ethyl Acetate	7.08	43	92201	46.911	ug/l	99
38) Carbon Tetrachloride	7.91	117	161165	52.510	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	234097	51.559	ug/l	98
40) Benzene	8.17	78	512319	52.406	ug/l	99
41) Methacrylonitrile	7.35	41	128561	139.248	ug/l #	1
42) 1,2-Dichloroethane	8.24	62	142755	52.150	ug/l	100
43) Isopropyl Acetate	8.28	43	188407	50.130	ug/l	100
44) Trichloroethene	8.94	130	135391	53.150	ug/l	99
45) 1,2-Dichloropropane	9.22	63	126397	52.299	ug/l	98
46) Dibromomethane	9.31	93	68043	51.600	ug/l	99
47) Bromodichloromethane	9.50	83	166796	51.902	ug/l	99
48) Methyl methacrylate	9.30	41	85956	49.423	ug/l	99
49) 1,4-Dioxane	9.30	88	15877	988.671	ug/l	96
51) 4-Methyl-2-Pentanone	10.07	43	465314	244.000	ug/l	100
52) Toluene	10.24	92	328513	52.687	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	188222	52.340	ug/l	97
54) cis-1,3-Dichloropropene	9.93	75	212735	52.469	ug/l	99
55) 1,1,2-Trichloroethane	10.64	97	99632	50.965	ug/l	98
56) Ethyl methacrylate	10.51	69	149318	49.933	ug/l	99
57) 1,3-Dichloropropane	10.79	76	172212	51.314	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.78	63	243533	231.551	ug/l	99
59) 2-Hexanone	10.83	43	340326	254.639	ug/l	100
60) Dibromochloromethane	10.99	129	117330	52.128	ug/l	100
61) 1,2-Dibromoethane	11.09	107	95772	50.173	ug/l	100
64) Tetrachloroethene	10.72	164	107347	51.882	ug/l	98
65) Chlorobenzene	11.52	112	336565	52.478	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	118472	53.596	ug/l	100
67) Ethyl Benzene	11.59	91	627226	53.461	ug/l	99
68) m/p-Xylenes	11.70	106	482095	108.929	ug/l	100
69) o-Xylene	12.03	106	229412	54.064	ug/l	99
70) Styrene	12.05	104	400666	53.814	ug/l	99
71) Bromoform	12.20	173	71223	52.247	ug/l	99
73) Isopropylbenzene	12.33	105	614681	53.621	ug/l	100
74) N-amyl acetate	12.14	43	179124	50.070	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	121516	50.384	ug/l	100
76) 1,2,3-Trichloropropane	12.63	75	163637	100.246	ug/l #	100
77) Bromobenzene	12.61	156	132461	52.294	ug/l	99
78) n-propylbenzene	12.67	91	738462	53.556	ug/l	100
79) 2-Chlorotoluene	12.75	91	422018	53.293	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	512745	53.608	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	48909	50.809	ug/l #	97
82) 4-Chlorotoluene	12.85	91	454590	53.773	ug/l	100
83) tert-Butylbenzene	13.07	119	440909	54.860	ug/l	98
84) 1,2,4-Trimethylbenzene	13.12	105	509365	53.626	ug/l	100
85) sec-Butylbenzene	13.25	105	614141	53.117	ug/l	99
86) p-Isopropyltoluene	13.37	119	538357	53.629	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	253262	52.869	ug/l	100
88) 1,4-Dichlorobenzene	13.44	146	259847	52.705	ug/l	99
89) n-Butylbenzene	13.69	91	532387	52.656	ug/l	100
90) Hexachloroethane	13.96	117	103116	52.570	ug/l	99
91) 1,2-Dichlorobenzene	13.73	146	234799	52.739	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.36	75	20667	47.504	ug/l	97

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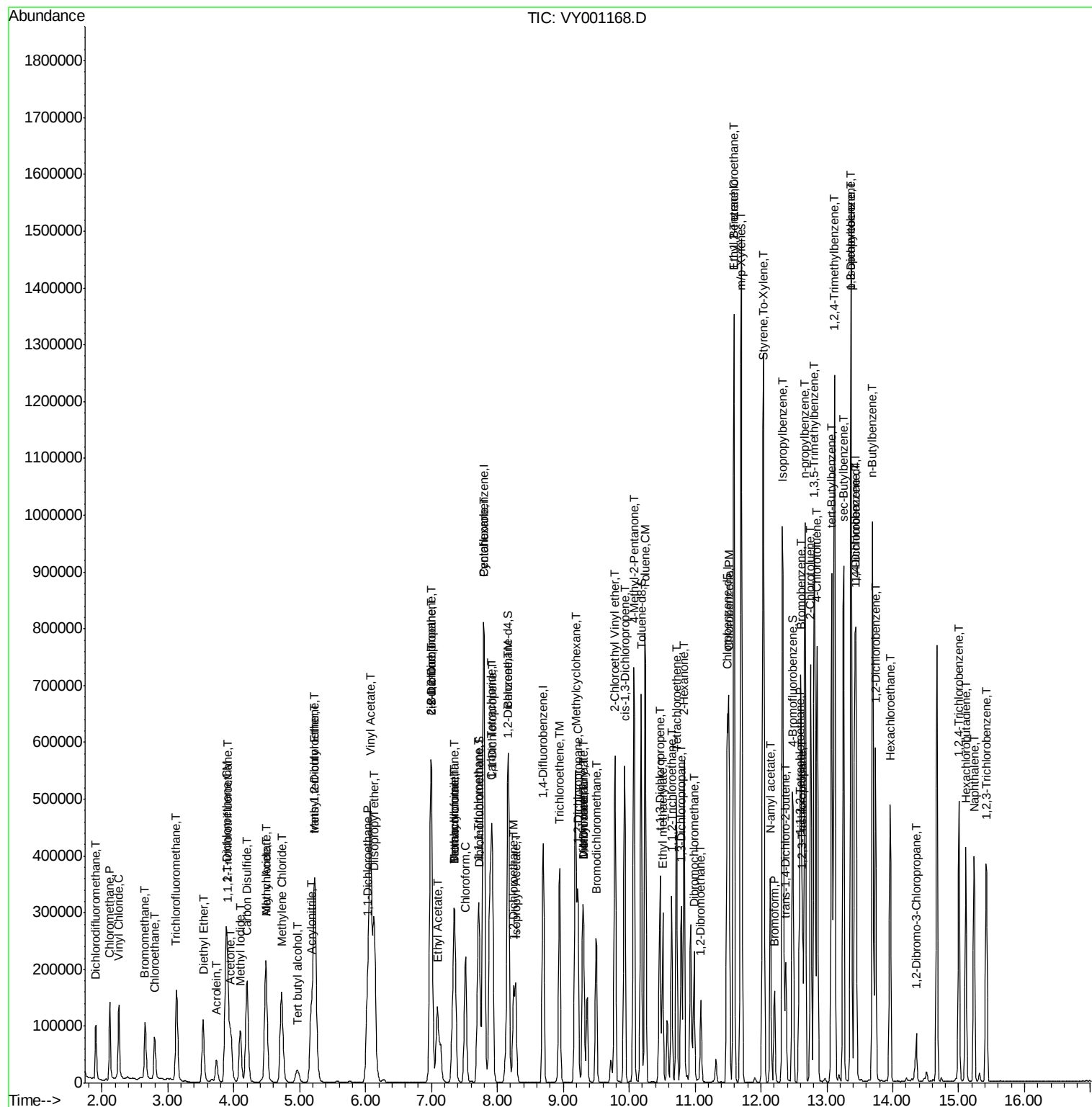
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	143505	48.923	ug/l	98
94) Hexachlorobutadiene	15.11	225	72530	49.081	ug/l	99
95) Naphthalene	15.23	128	324627	47.537	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	125519	48.553	ug/l	100

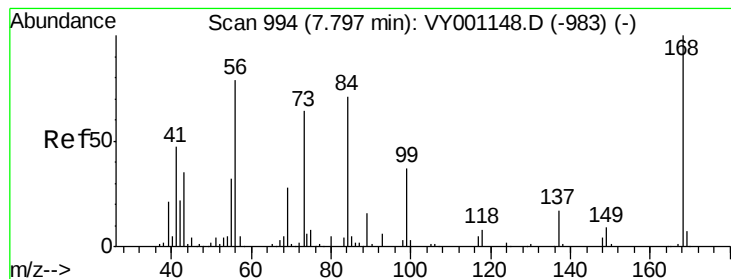
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_Y\DATA\VY011320\
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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: VY001168.D

Acq: 13 Jan 2020 09:25

Instrument :

MSVOA_Y

ClientSampleId :

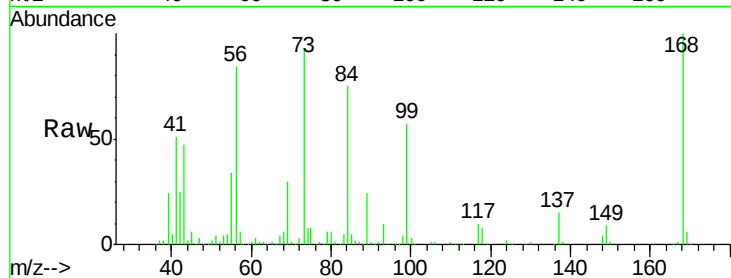
VSTDCCC050

Tgt Ion:168 Resp: 214234

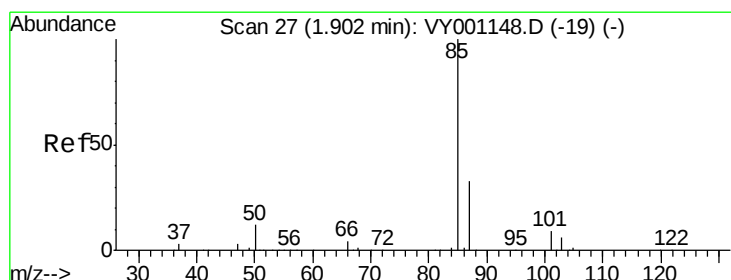
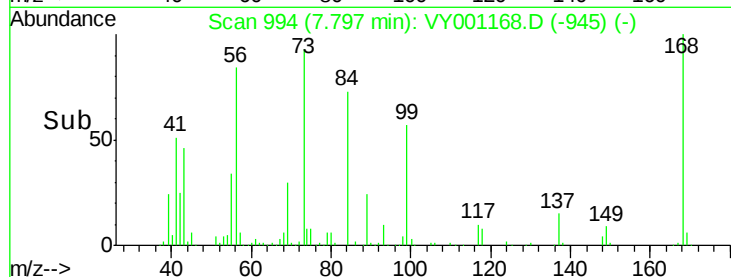
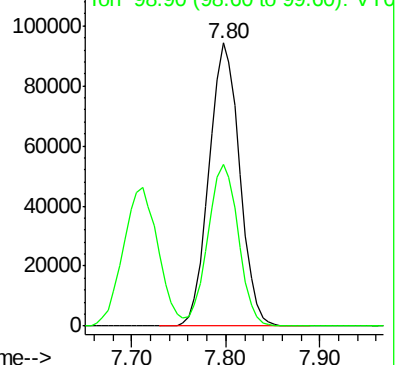
Ion Ratio Lower Upper

168 100

99 57.3 47.9 71.9



Abundance Ion 167.90 (167.60 to 168.60): VY001148.D (-983) (-)



#2

Dichlorodifluoromethane

Concen: 49.979 ug/l

RT: 1.91 min Scan# 28

Delta R.T. 0.01 min

Lab File: VY001168.D

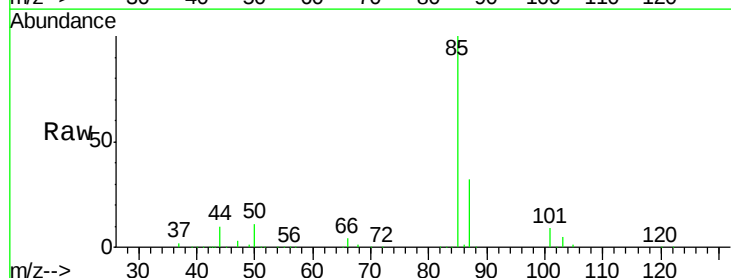
Acq: 13 Jan 2020 09:25

Tgt Ion: 85 Resp: 82230

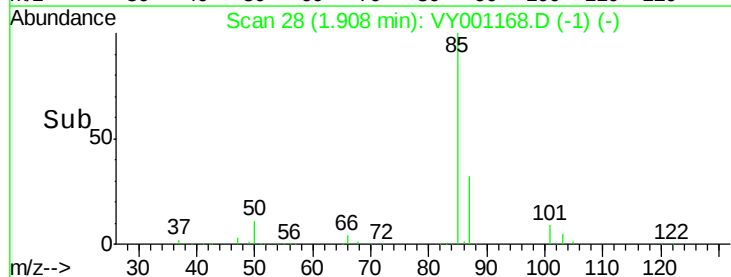
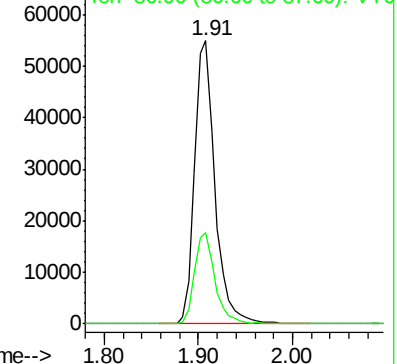
Ion Ratio Lower Upper

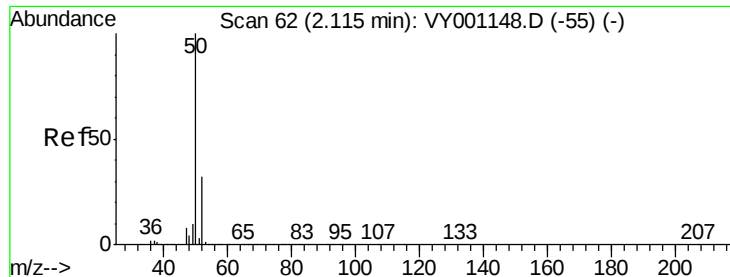
85 100

87 32.3 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VY001148.D (-19) (-)





#3

Chloromethane

Concen: 50.612 ug/l

RT: 2.12 min Scan# 62

Delta R.T. -0.00 min

Lab File: VY001168.D

Acq: 13 Jan 2020 09:25

Instrument :

MSVOA_Y

ClientSampleId :

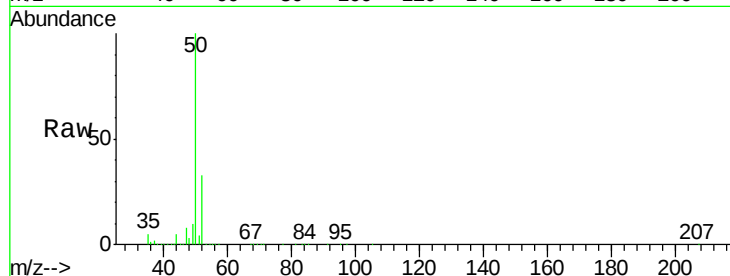
VSTDCCC050

Tgt Ion: 50 Resp: 120030

Ion Ratio Lower Upper

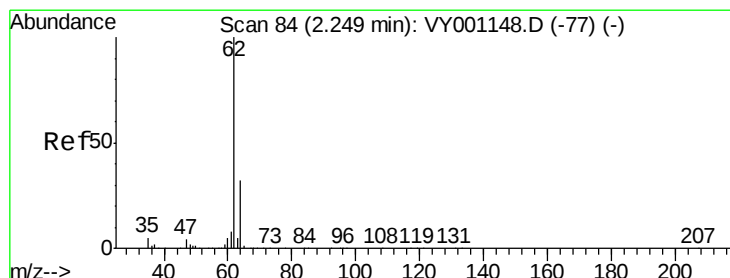
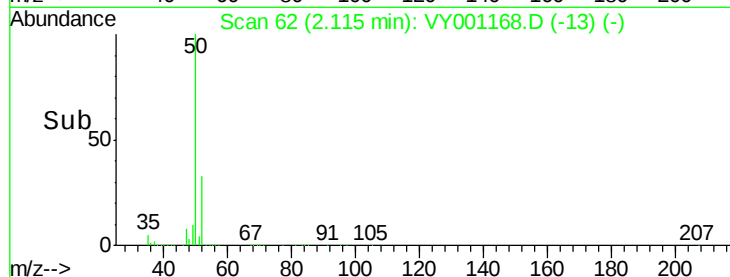
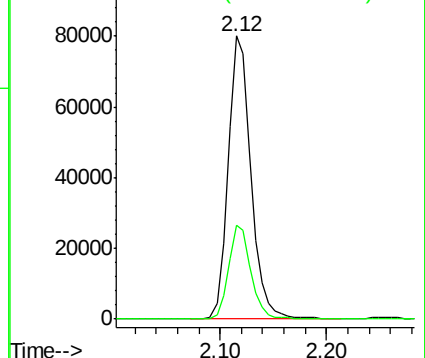
50 100

52 33.0 25.8 38.6



Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



#4

Vinyl Chloride

Concen: 52.508 ug/l

RT: 2.26 min Scan# 85

Delta R.T. 0.01 min

Lab File: VY001168.D

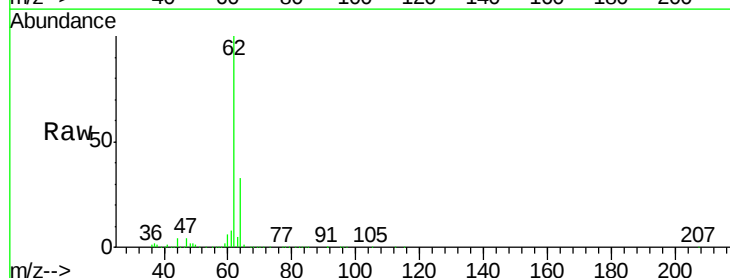
Acq: 13 Jan 2020 09:25

Tgt Ion: 62 Resp: 125453

Ion Ratio Lower Upper

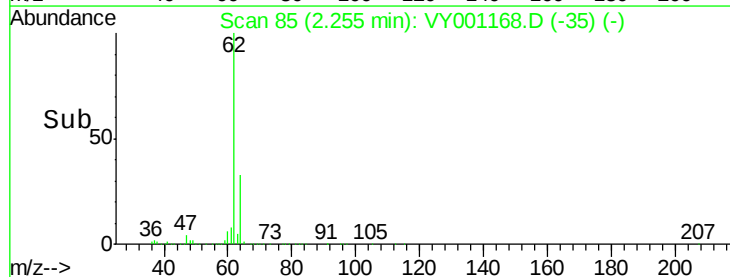
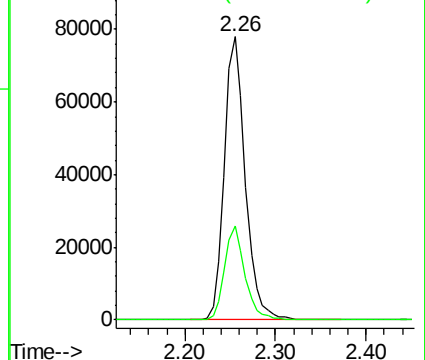
62 100

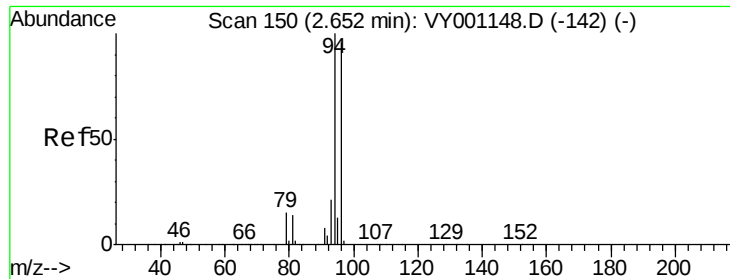
64 33.3 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0





#5

Bromomethane

Concen: 57.463 ug/l

RT: 2.65 min Scan# 150

Delta R.T. -0.00 min

Lab File: VY001168.D

Acq: 13 Jan 2020 09:25

Instrument :

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ClientSampleId :

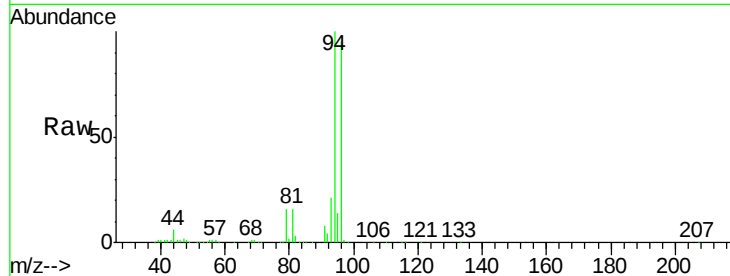
VSTDCCC050

Tgt Ion: 94 Resp: 73746

Ion Ratio Lower Upper

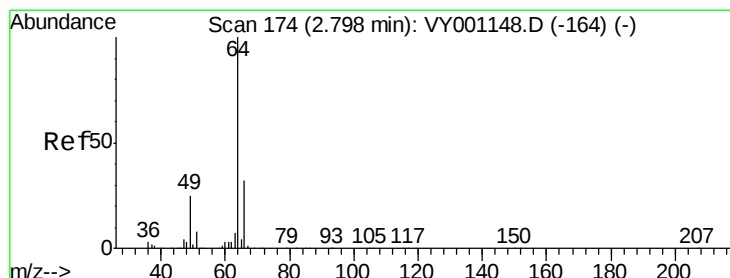
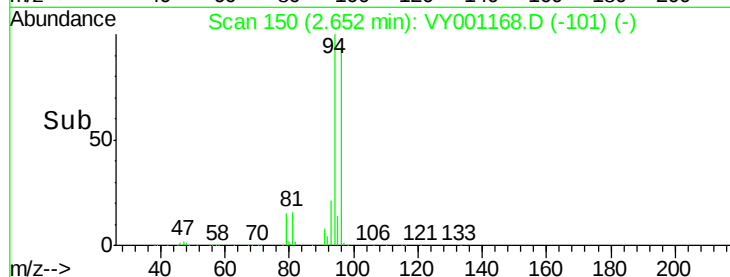
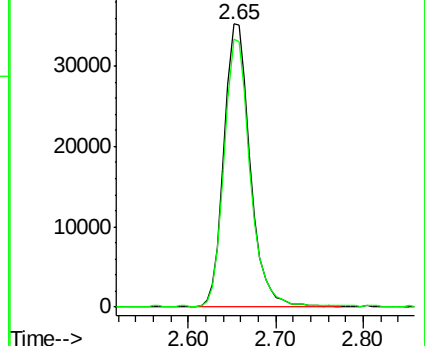
94 100

96 94.2 77.3 115.9



Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 53.878 ug/l

RT: 2.80 min Scan# 174

Delta R.T. -0.00 min

Lab File: VY001168.D

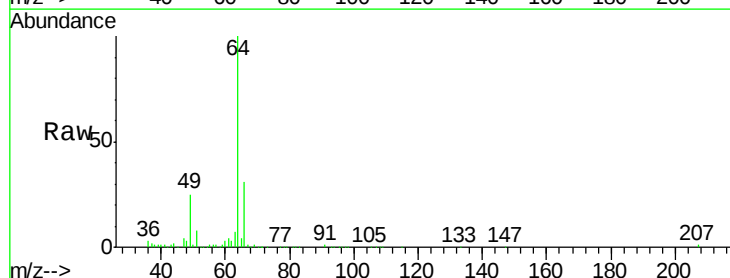
Acq: 13 Jan 2020 09:25

Tgt Ion: 64 Resp: 74368

Ion Ratio Lower Upper

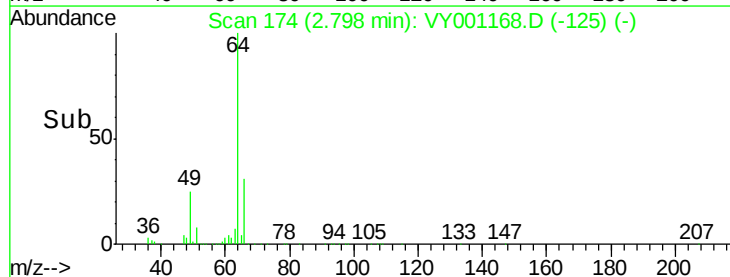
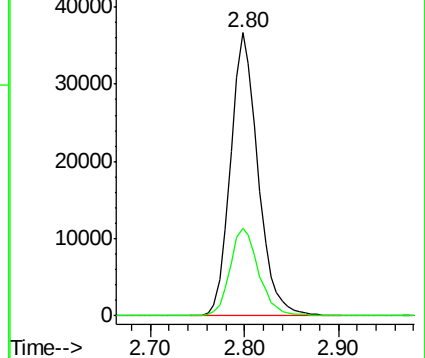
64 100

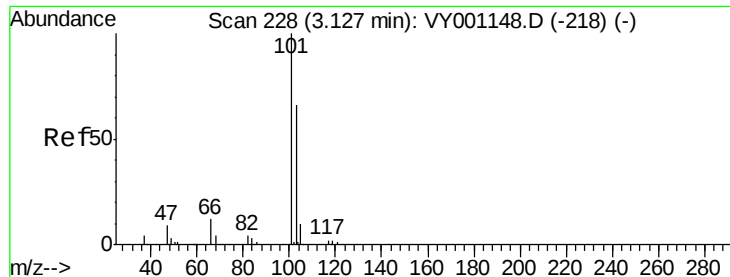
66 30.6 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0



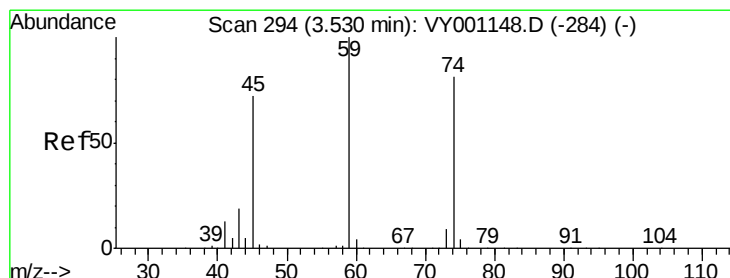
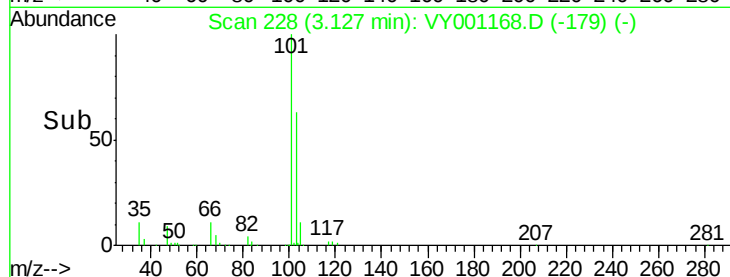
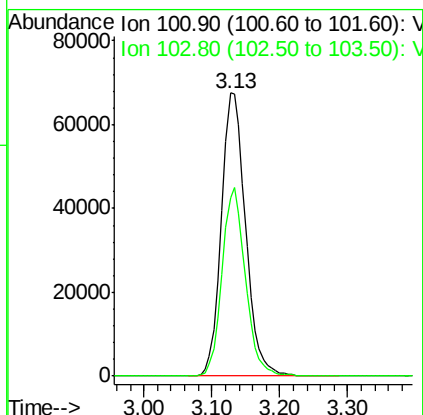
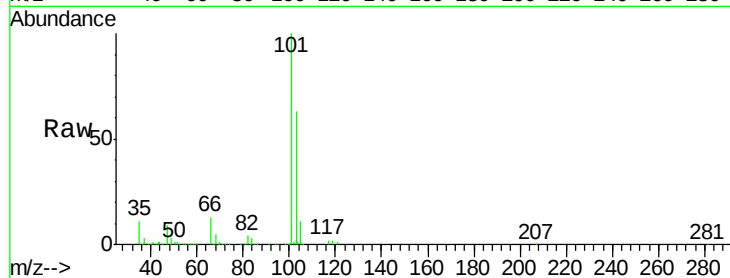


#7

Trichlorofluoromethane
 Concen: 50.345 ug/l
 RT: 3.13 min Scan# 228
 Delta R.T. -0.00 min
 Lab File: VY001168.D
 Acq: 13 Jan 2020 09:25

Instrument :
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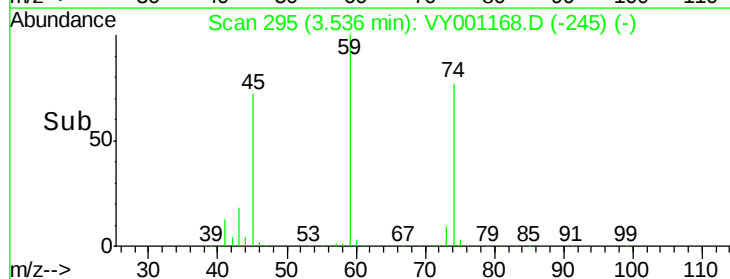
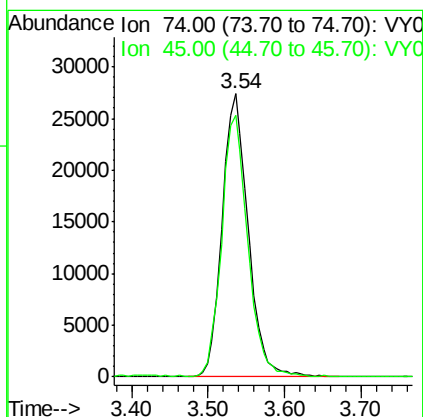
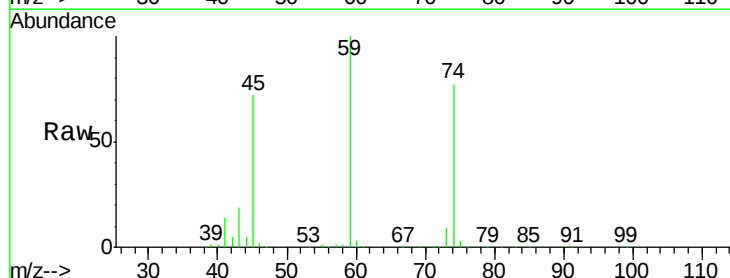
Tgt Ion: 101 Resp: 167428
 Ion Ratio Lower Upper
 101 100
 103 62.9 52.6 79.0

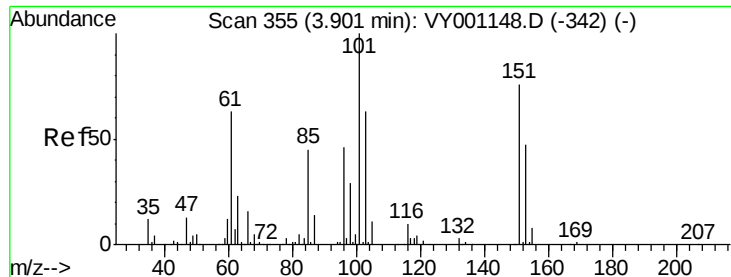


#8

Diethyl Ether
 Concen: 50.084 ug/l
 RT: 3.54 min Scan# 295
 Delta R.T. 0.01 min
 Lab File: VY001168.D
 Acq: 13 Jan 2020 09:25

Tgt Ion: 74 Resp: 64721
 Ion Ratio Lower Upper
 74 100
 45 92.7 45.5 136.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.621 ug/l

RT: 3.91 min Scan# 356

Delta R.T. 0.01 min

Lab File: VY001168.D

Acq: 13 Jan 2020 09:25

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

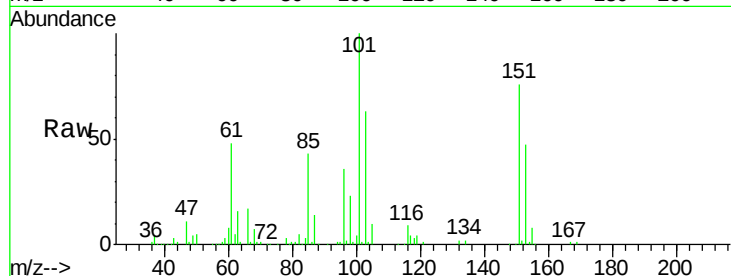
Tgt Ion:101 Resp: 110504

Ion Ratio Lower Upper

101 100

85 42.8 35.2 52.8

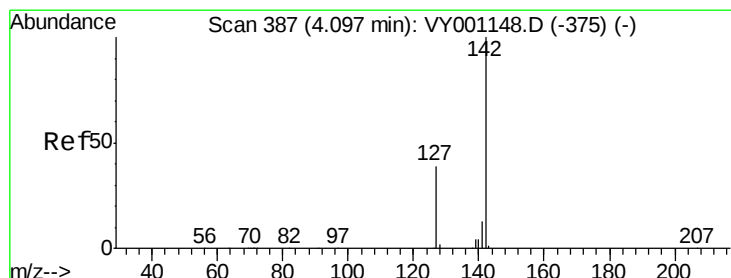
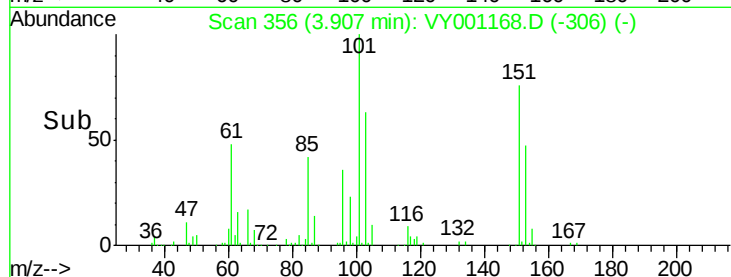
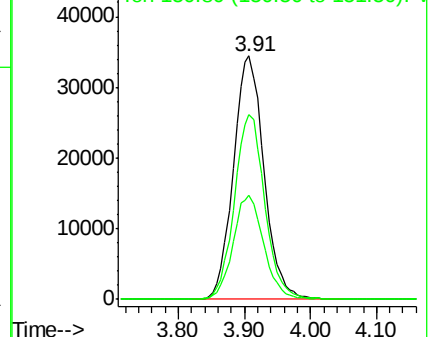
151 75.4 61.4 92.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VY0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 52.079 ug/l

RT: 4.10 min Scan# 387

Delta R.T. -0.00 min

Lab File: VY001168.D

Acq: 13 Jan 2020 09:25

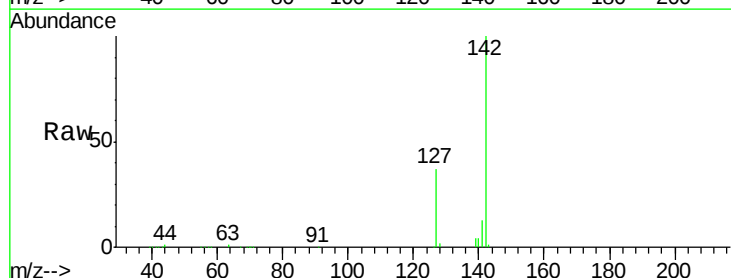
Tgt Ion:142 Resp: 152595

Ion Ratio Lower Upper

142 100

127 38.8 30.8 46.2

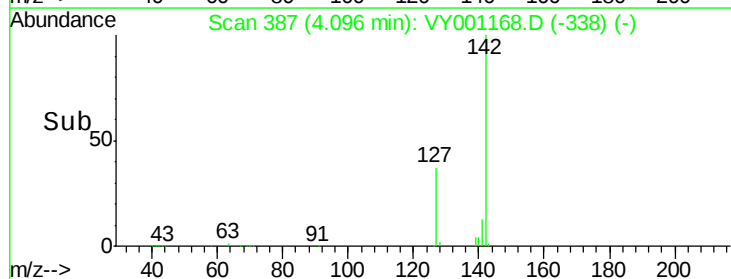
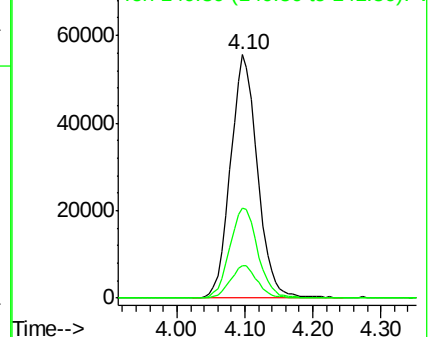
141 13.5 11.0 16.4

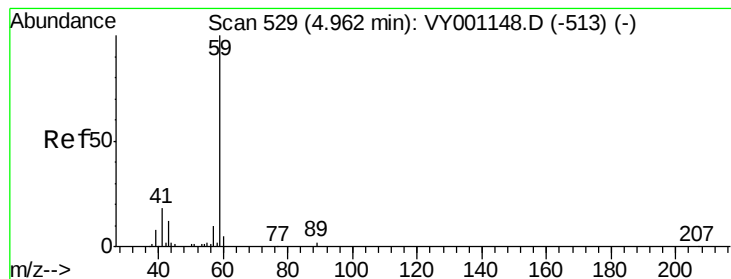


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



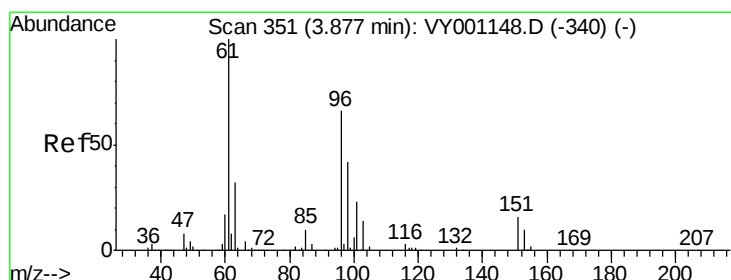
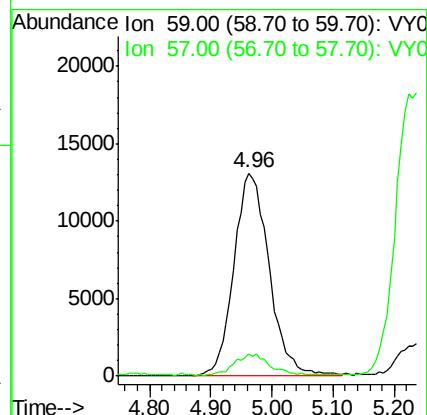
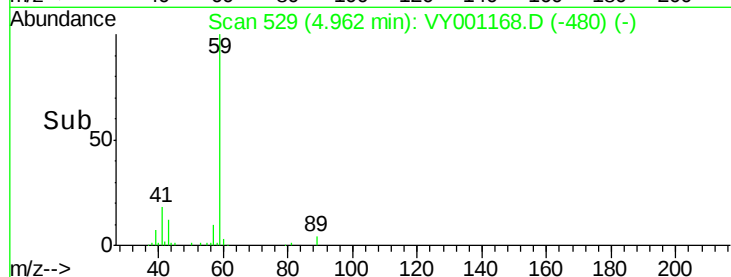
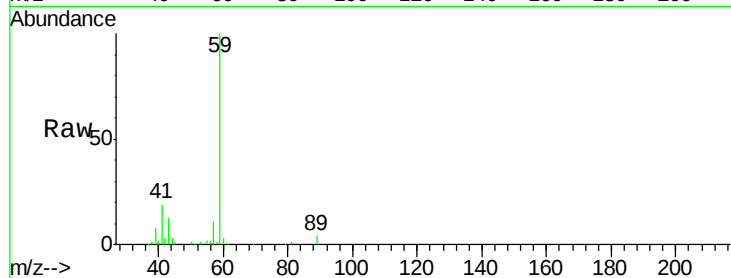


#11

Tert butyl alcohol
 Concen: 230.101 ug/l
 RT: 4.96 min Scan# 529
 Delta R.T. -0.00 min
 Lab File: VY001168.D
 Acq: 13 Jan 2020 09:25

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

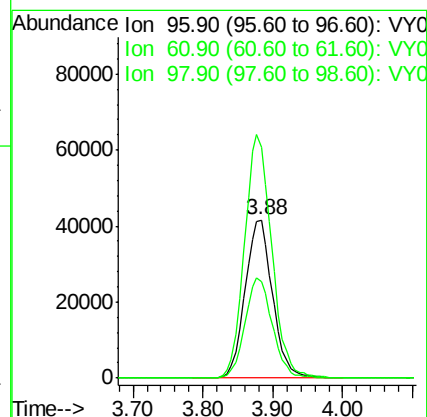
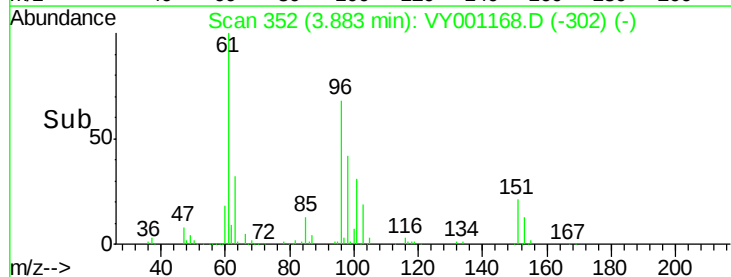
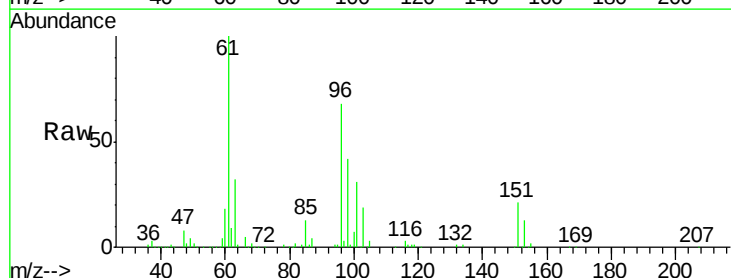
Tgt Ion: 59 Resp: 52384
 Ion Ratio Lower Upper
 59 100
 57 10.3 7.8 11.8

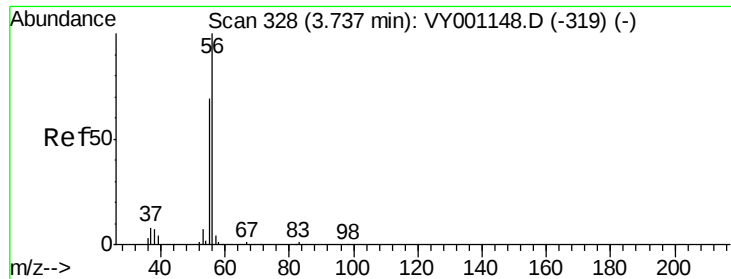


#12

1,1-Dichloroethene
 Concen: 51.722 ug/l
 RT: 3.88 min Scan# 352
 Delta R.T. 0.01 min
 Lab File: VY001168.D
 Acq: 13 Jan 2020 09:25

Tgt Ion: 96 Resp: 113276
 Ion Ratio Lower Upper
 96 100
 61 146.2 122.1 183.1
 98 60.8 51.0 76.6





#13

Acrolein

Concen: 238.055 ug/l

RT: 3.74 min Scan# 328

Delta R.T. -0.00 min

Lab File: VY001168.D

Acq: 13 Jan 2020 09:25

Instrument :

MSVOA_Y

ClientSampleId :

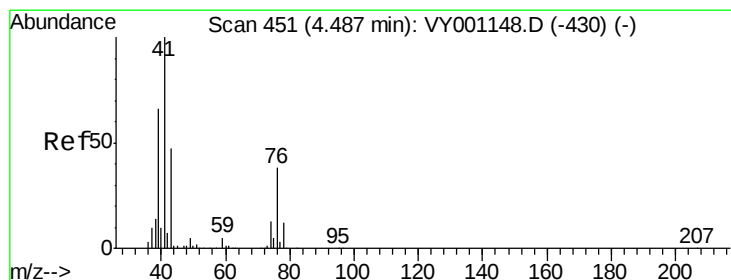
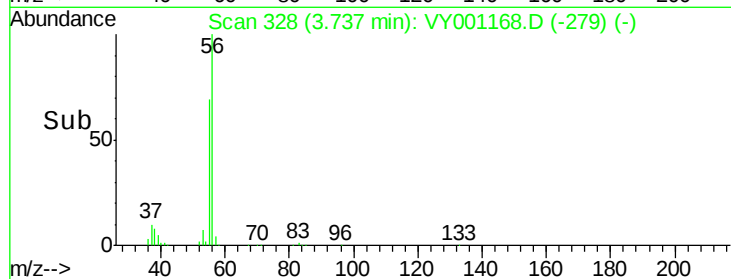
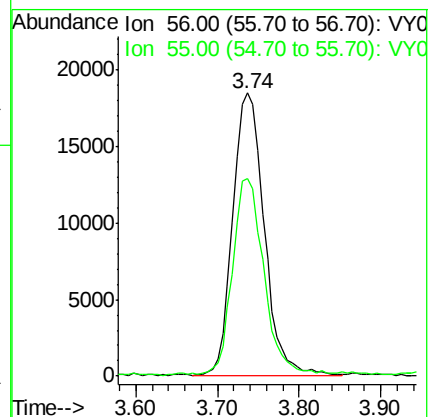
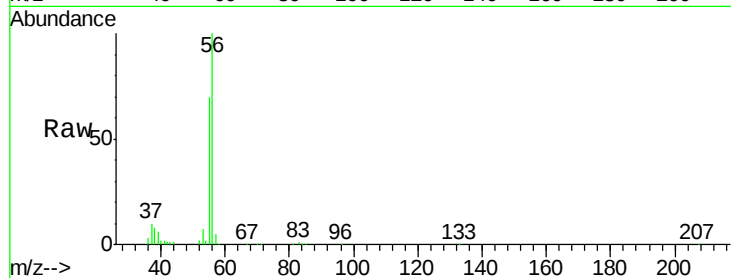
VSTDCCC050

Tgt Ion: 56 Resp: 48789

Ion Ratio Lower Upper

56 100

55 68.4 56.7 85.1



#14

Allyl chloride

Concen: 52.379 ug/l

RT: 4.49 min Scan# 451

Delta R.T. -0.00 min

Lab File: VY001168.D

Acq: 13 Jan 2020 09:25

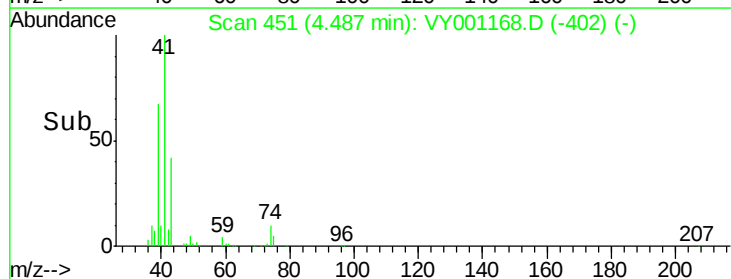
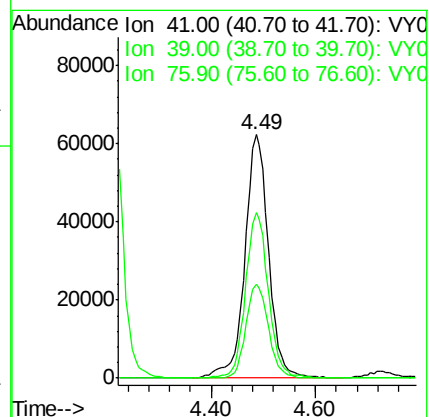
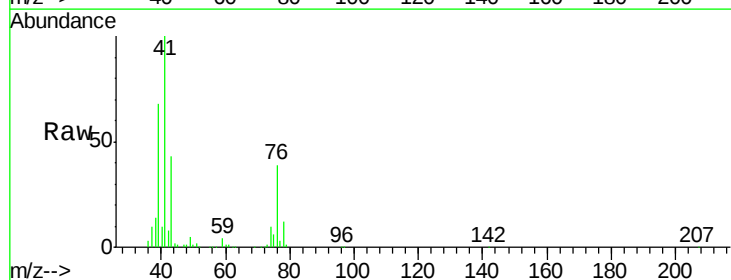
Tgt Ion: 41 Resp: 193612

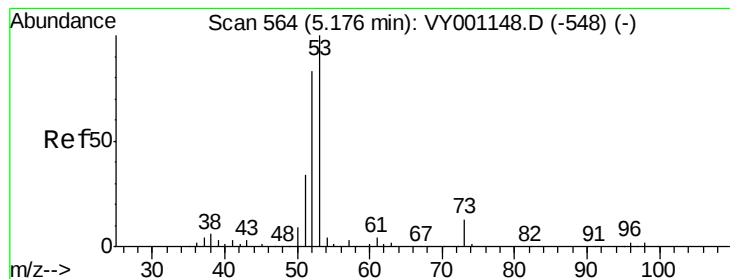
Ion Ratio Lower Upper

41 100

39 65.9 52.6 78.8

76 37.1 30.2 45.2





#15

Acrylonitrile

Concen: 247.017 ug/l

RT: 5.18 min Scan# 564

Delta R.T. -0.00 min

Lab File: VY001168.D

Acq: 13 Jan 2020 09:25

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

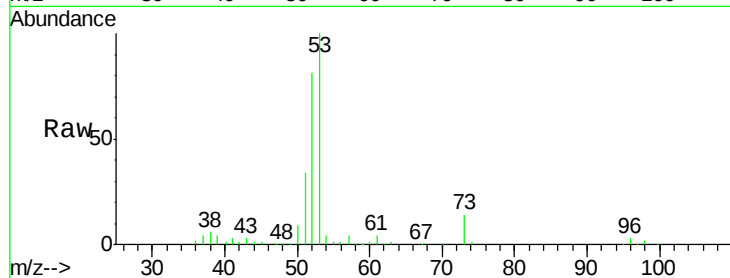
Tgt Ion: 53 Resp: 159644

Ion Ratio Lower Upper

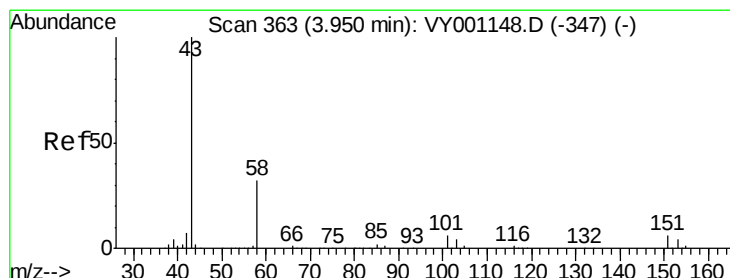
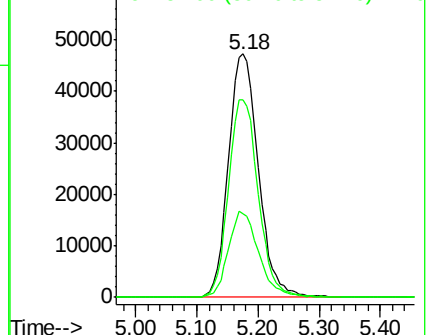
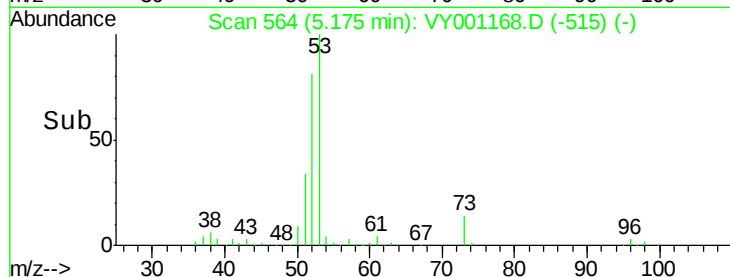
53 100

52 80.8 65.7 98.5

51 35.5 28.7 43.1



Abundance Ion 53.00 (52.70 to 53.70): VY001168.D (-515) (-)



#16

Acetone

Concen: 243.555 ug/l

RT: 3.96 min Scan# 364

Delta R.T. 0.01 min

Lab File: VY001168.D

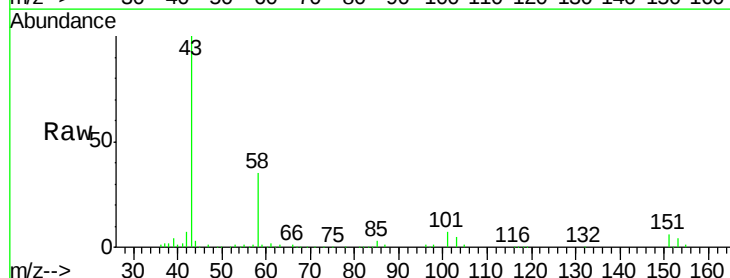
Acq: 13 Jan 2020 09:25

Tgt Ion: 43 Resp: 127986

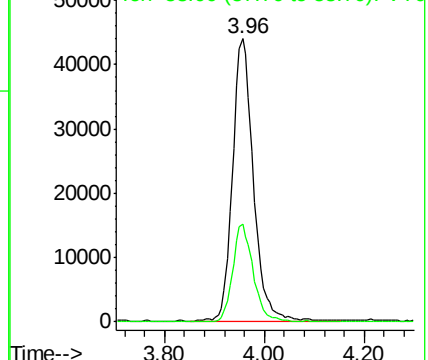
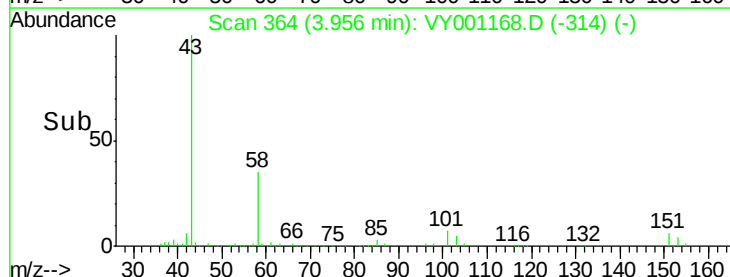
Ion Ratio Lower Upper

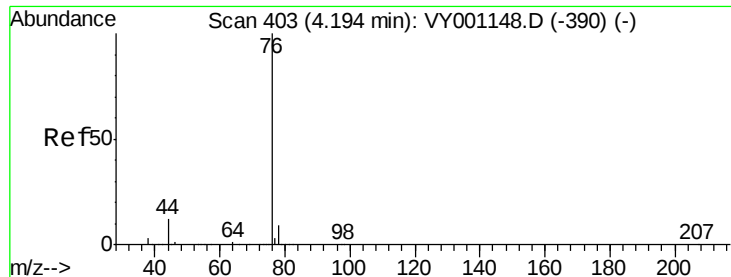
43 100

58 34.6 25.8 38.6



Abundance Ion 43.00 (42.70 to 43.70): VY001168.D (-314) (-)





#17

Carbon Disulfide

Concen: 52.374 ug/l

RT: 4.20 min Scan# 404

Delta R.T. 0.01 min

Lab File: VY001168.D

Acq: 13 Jan 2020 09:25

Instrument :

MSVOA_Y

ClientSampleId :

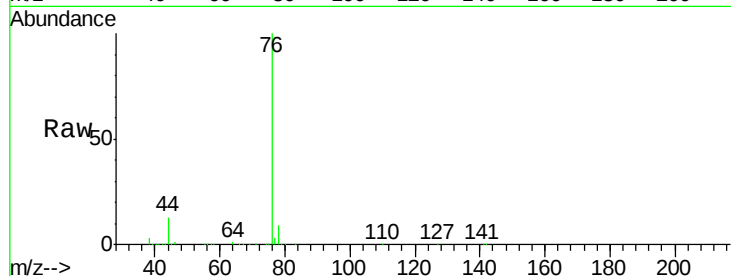
VSTDCCC050

Tgt Ion: 76 Resp: 371245

Ion Ratio Lower Upper

76 100

78 8.8 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0

4.20

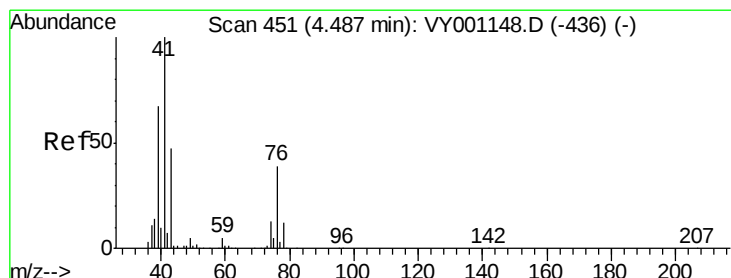
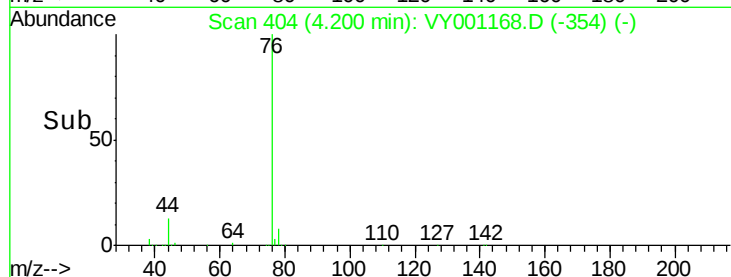
150000

100000

50000

0

Time--> 4.00 4.20 4.40



#18

Methyl Acetate

Concen: 45.500 ug/l

RT: 4.49 min Scan# 451

Delta R.T. -0.00 min

Lab File: VY001168.D

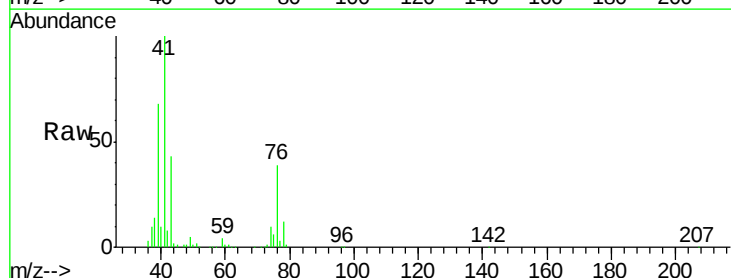
Acq: 13 Jan 2020 09:25

Tgt Ion: 43 Resp: 79051

Ion Ratio Lower Upper

43 100

74 24.7 20.2 30.2



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0

4.49

30000

25000

20000

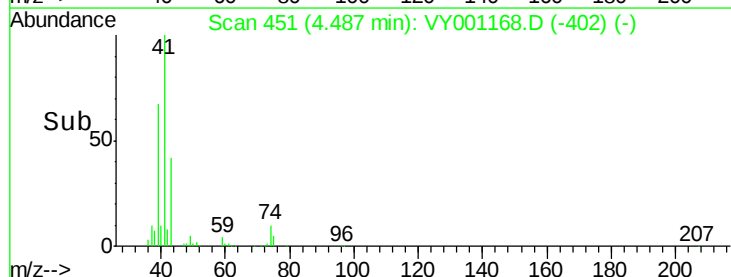
15000

10000

5000

0

Time--> 4.40 4.50 4.60

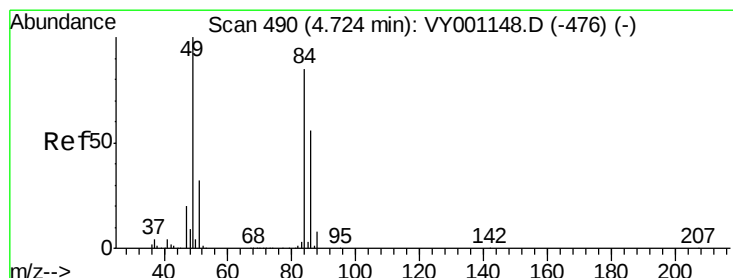
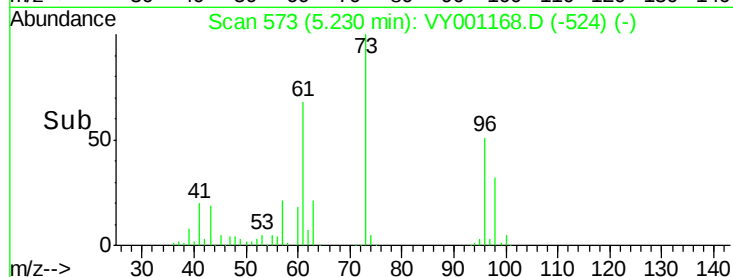
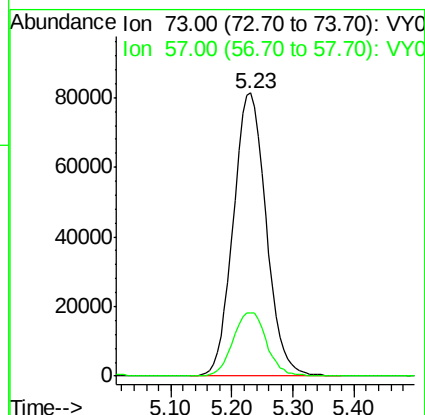
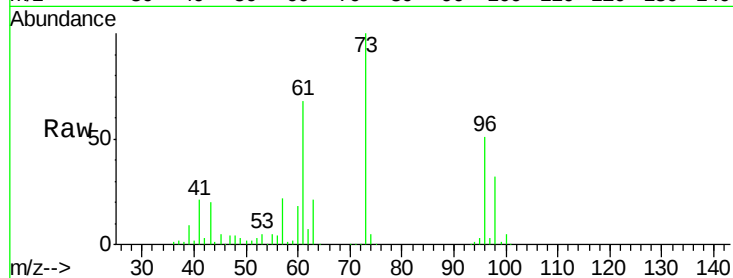




#19
Methyl tert-butyl Ether
Concen: 49.894 ug/l
RT: 5.23 min Scan# 573
Delta R.T. -0.00 min
Lab File: VY001168.D
Acq: 13 Jan 2020 09:25

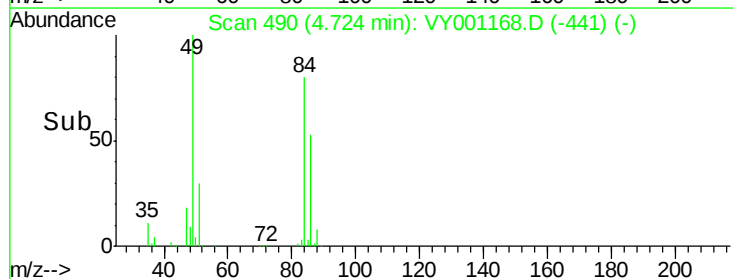
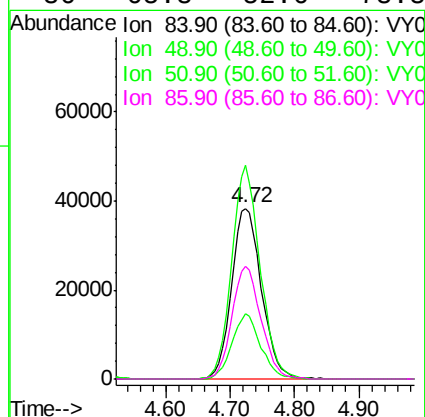
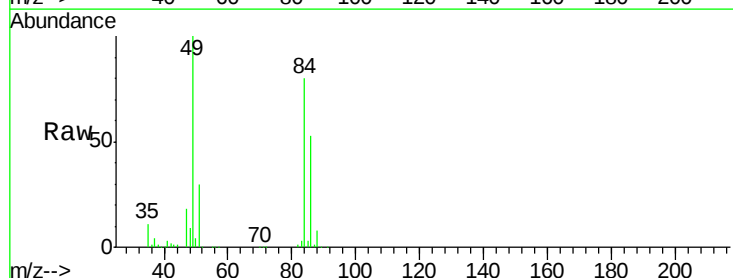
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

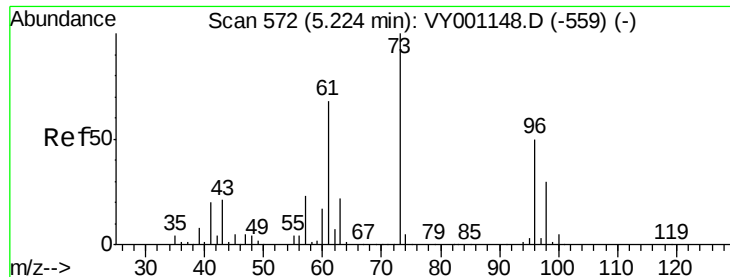
Tgt Ion: 73 Resp: 302260
Ion Ratio Lower Upper
73 100
57 22.0 17.8 26.6



#20
Methylene Chloride
Concen: 50.756 ug/l
RT: 4.72 min Scan# 490
Delta R.T. 0.00 min
Lab File: VY001168.D
Acq: 13 Jan 2020 09:25

Tgt Ion: 84 Resp: 124092
Ion Ratio Lower Upper
84 100
49 125.2 93.8 140.6
51 38.1 29.9 44.9
86 65.8 52.6 78.8





#21

trans-1,2-Dichloroethene

Concen: 52.225 ug/l

RT: 5.23 min Scan# 573

Delta R.T. 0.01 min

Lab File: VY001168.D

Acq: 13 Jan 2020 09:25

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

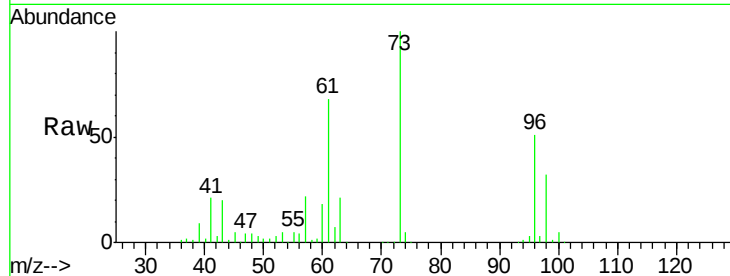
Tgt Ion: 96 Resp: 129692

Ion Ratio Lower Upper

96 100

61 132.9 107.6 161.4

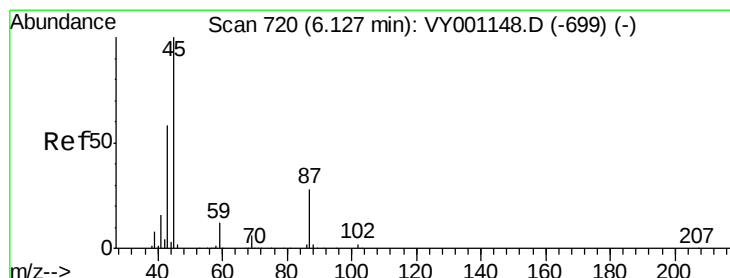
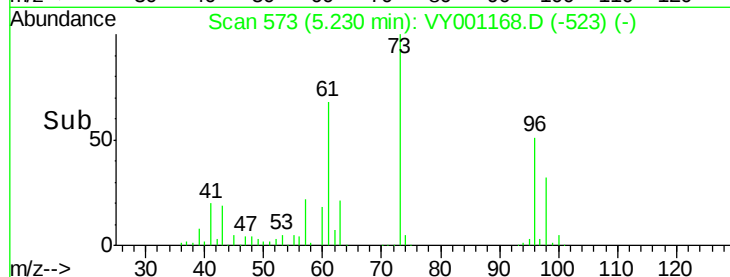
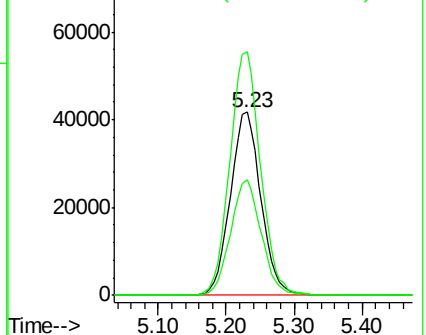
98 63.1 47.6 71.4



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: 52.330 ug/l

RT: 6.13 min Scan# 720

Delta R.T. -0.00 min

Lab File: VY001168.D

Acq: 13 Jan 2020 09:25

Tgt Ion: 45 Resp: 395078

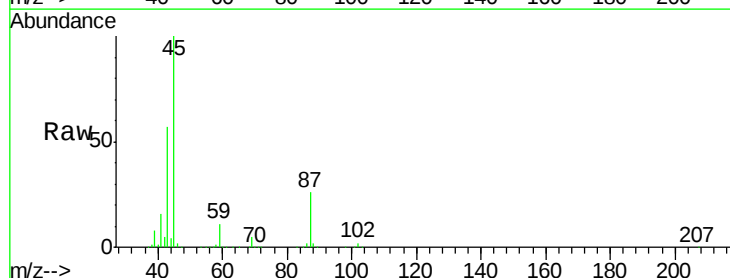
Ion Ratio Lower Upper

45 100

43 56.9 46.5 69.7

87 26.4 22.5 33.7

59 11.4 9.4 14.0

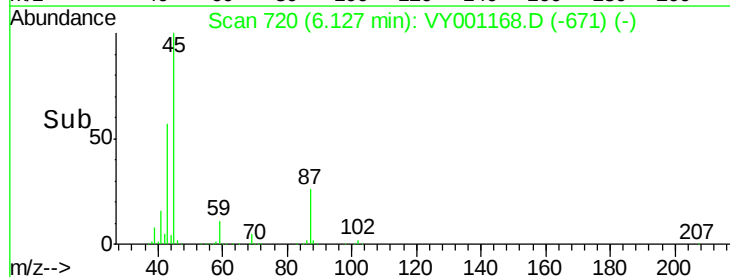
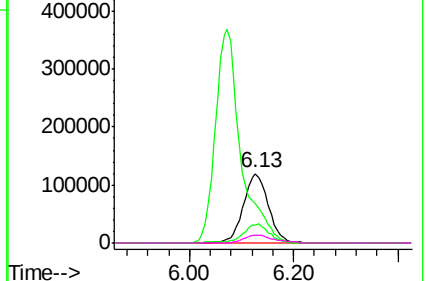


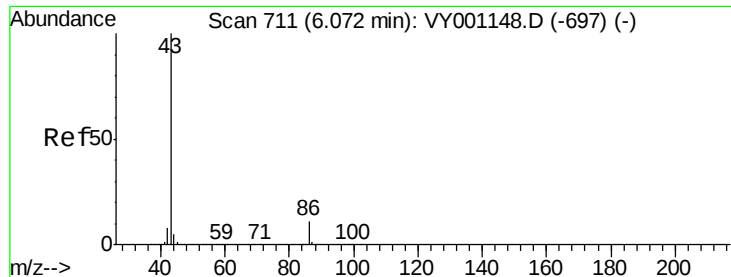
Abundance Ion 45.00 (44.70 to 45.70): VY0

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: 259.663 ug/l

RT: 6.07 min Scan# 711

Delta R.T. -0.00 min

Lab File: VY001168.D

Acq: 13 Jan 2020 09:25

Instrument :

MSVOA_Y

ClientSampleId :

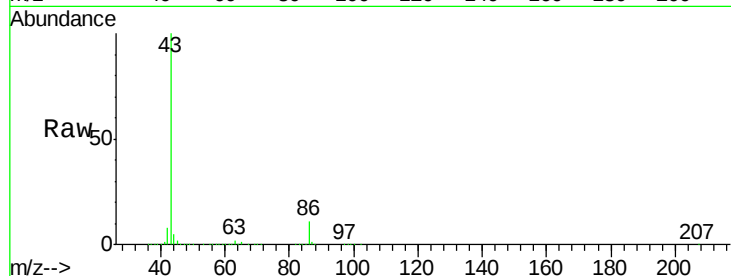
VSTDCCC050

Tgt Ion: 43 Resp: 1253749

Ion Ratio Lower Upper

43 100

86 11.5 9.0 13.4



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0

6.07

400000

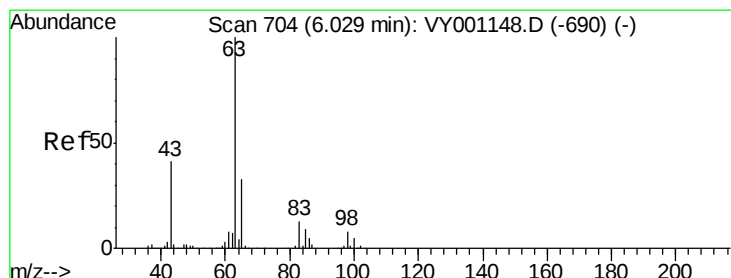
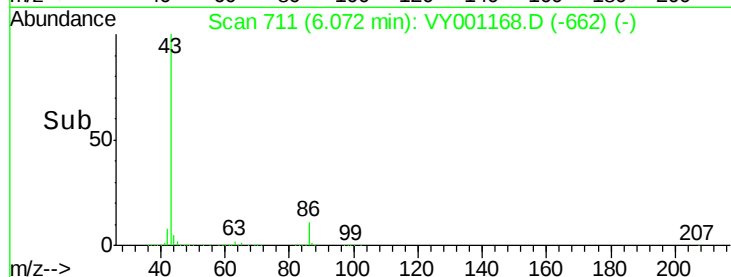
300000

200000

100000

0

Time--> 5.90 6.00 6.10 6.20 6.30



#24

1,1-Dichloroethane

Concen: 52.276 ug/l

RT: 6.03 min Scan# 704

Delta R.T. -0.00 min

Lab File: VY001168.D

Acq: 13 Jan 2020 09:25

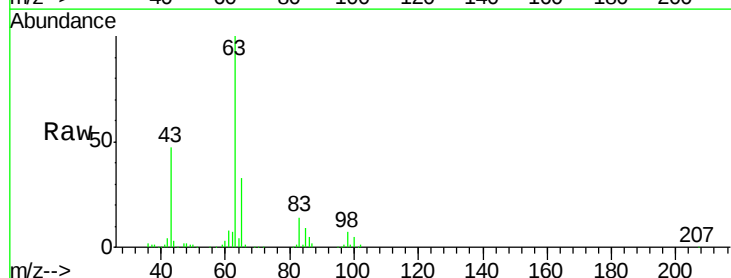
Tgt Ion: 63 Resp: 216065

Ion Ratio Lower Upper

63 100

98 7.4 3.9 11.7

100 4.7 2.4 7.2



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0

6.03

80000

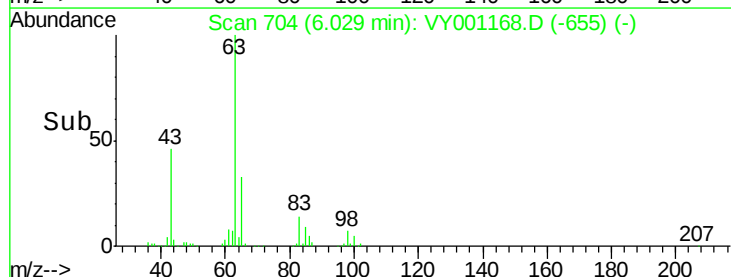
60000

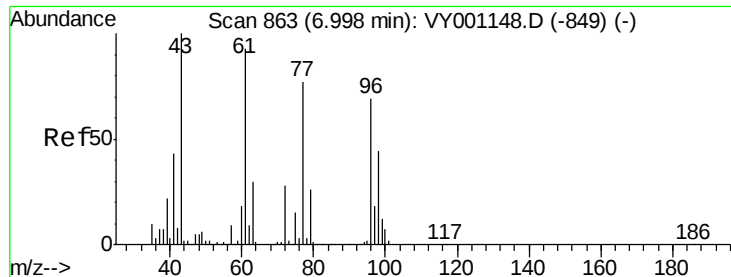
40000

20000

0

Time--> 5.90 6.00 6.10 6.20





#25

2-Butanone

Concen: 247.462 ug/l

RT: 7.00 min Scan# 863

Delta R.T. -0.00 min

Lab File: VY001168.D

Acq: 13 Jan 2020 09:25

Instrument :

MSVOA_Y

ClientSampleId :

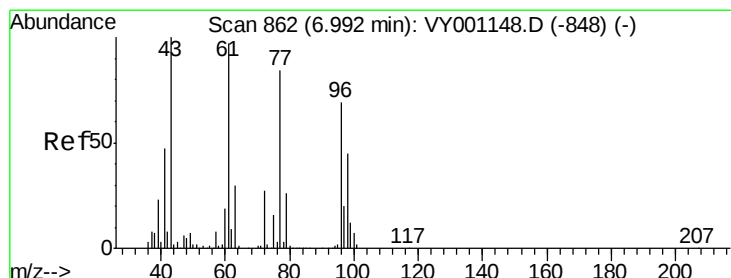
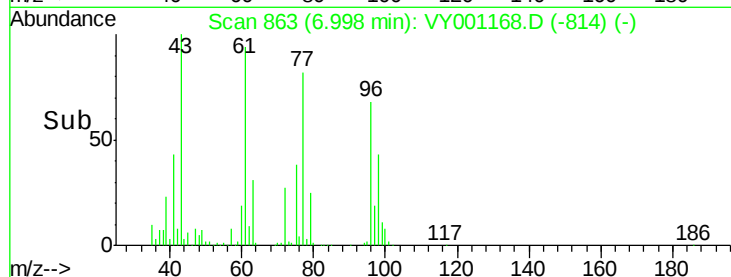
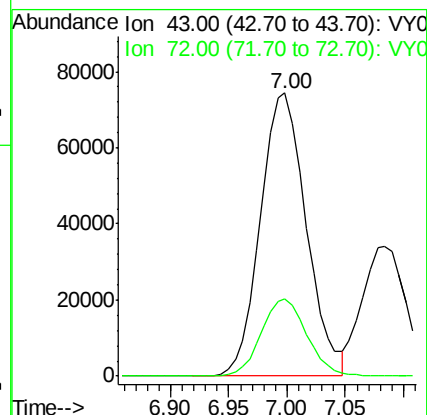
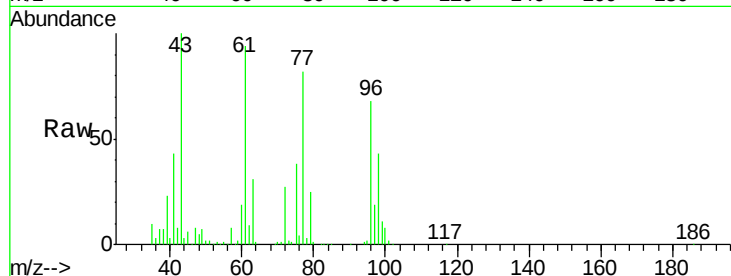
VSTDCCC050

Tgt Ion: 43 Resp: 202386

Ion Ratio Lower Upper

43 100

72 27.5 22.2 33.2



#26

2,2-Dichloropropane

Concen: 51.791 ug/l

RT: 6.99 min Scan# 862

Delta R.T. -0.00 min

Lab File: VY001168.D

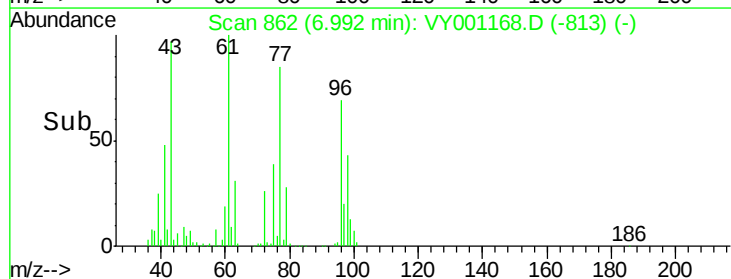
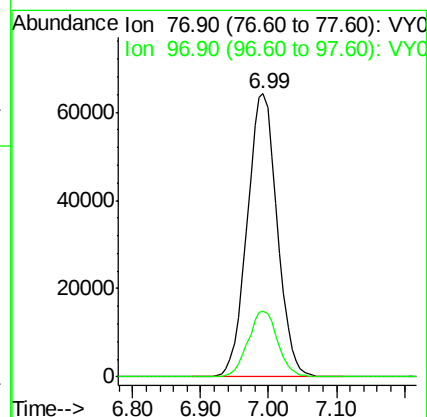
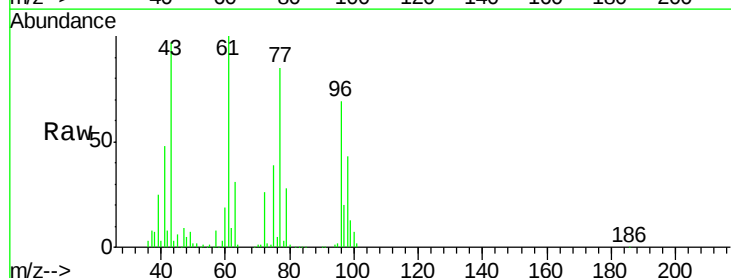
Acq: 13 Jan 2020 09:25

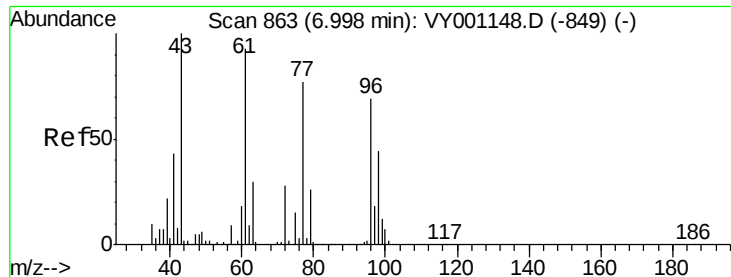
Tgt Ion: 77 Resp: 196846

Ion Ratio Lower Upper

77 100

97 23.1 11.9 35.7



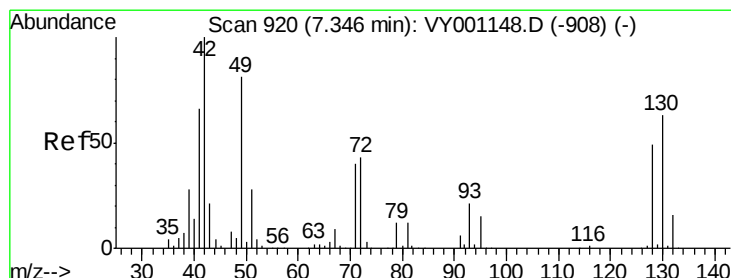
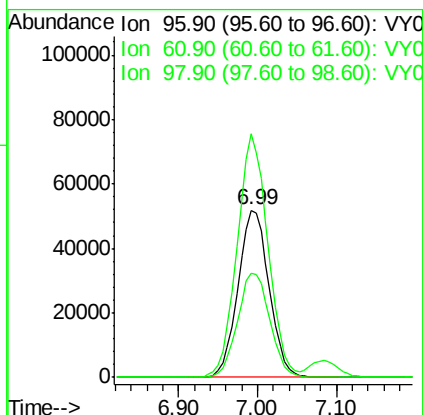
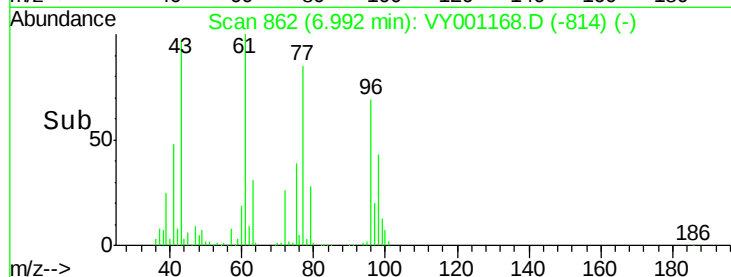
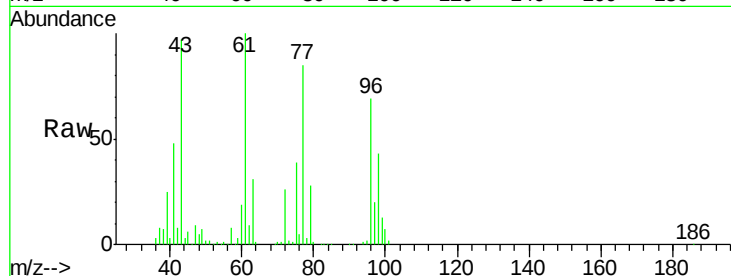


#27

cis-1,2-Dichloroethene
Concen: 52.127 ug/l
RT: 6.99 min Scan# 862
Delta R.T. -0.01 min
Lab File: VY001168.D
Acq: 13 Jan 2020 09:25

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

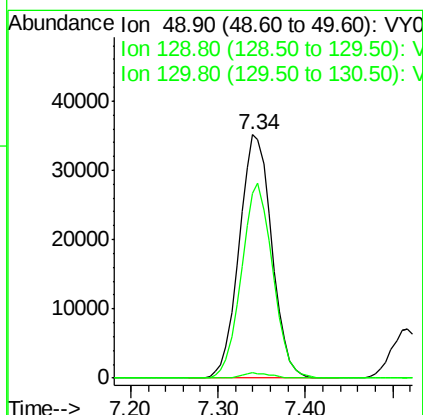
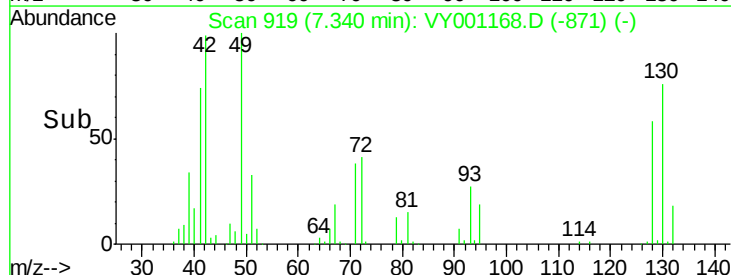
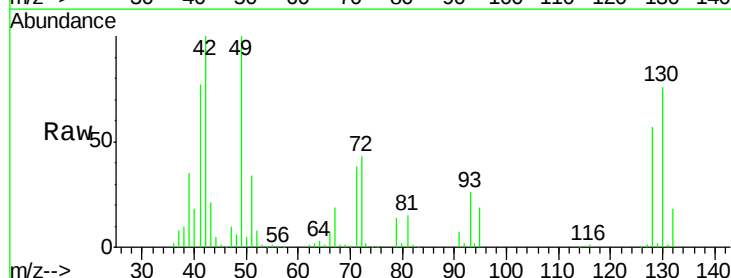
Tgt Ion: 96 Resp: 141842
Ion Ratio Lower Upper
96 100
61 144.3 0.0 284.0
98 64.6 0.0 130.2

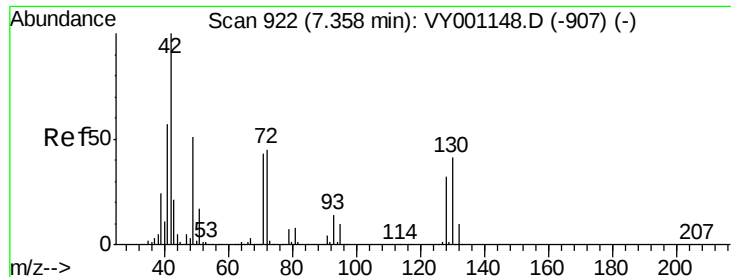


#28

Bromochloromethane
Concen: 53.407 ug/l
RT: 7.34 min Scan# 919
Delta R.T. -0.01 min
Lab File: VY001168.D
Acq: 13 Jan 2020 09:25

Tgt Ion: 49 Resp: 90645
Ion Ratio Lower Upper
49 100
129 1.9 0.0 4.4
130 77.2 61.2 91.8

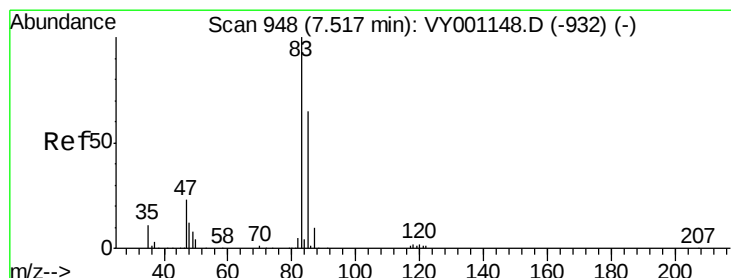
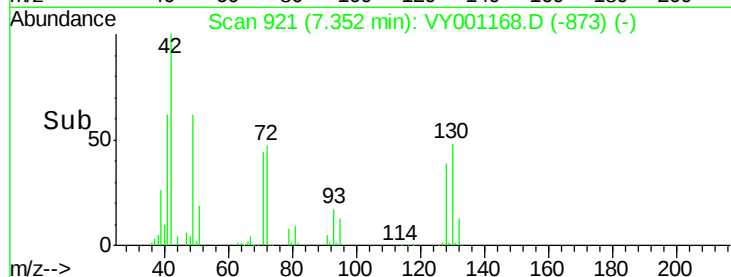
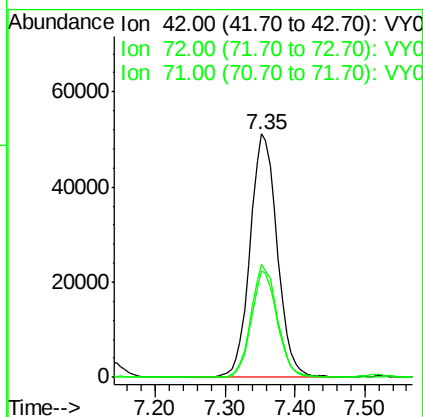
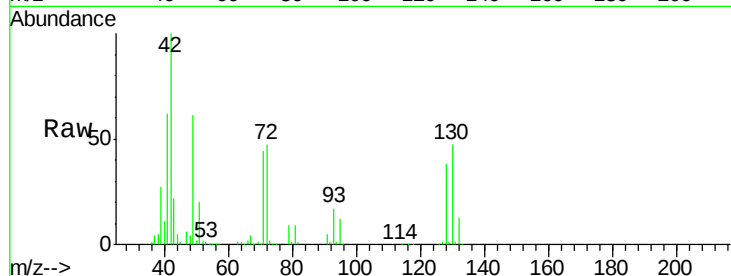




#29
Tetrahydrofuran
Concen: 244.981 ug/l
RT: 7.35 min Scan# 921
Delta R.T. -0.01 min
Lab File: VY001168.D
Acq: 13 Jan 2020 09:25

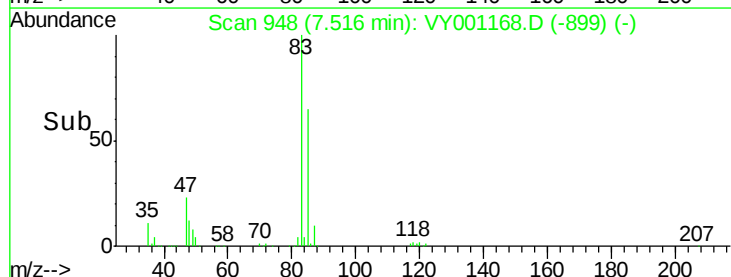
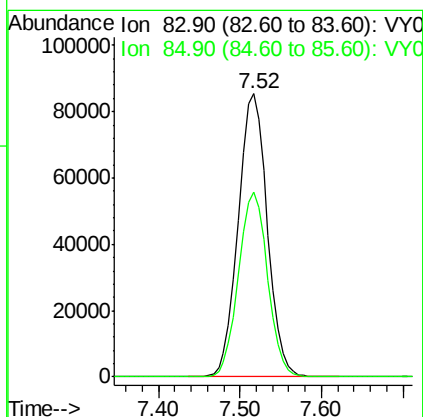
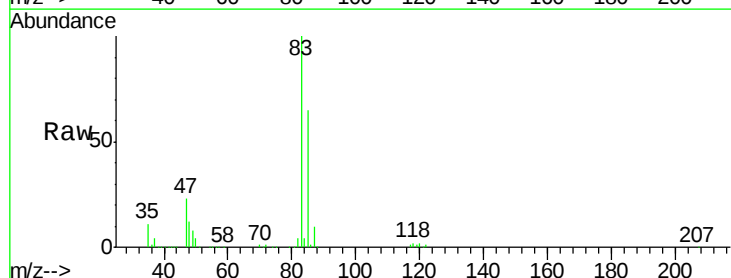
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

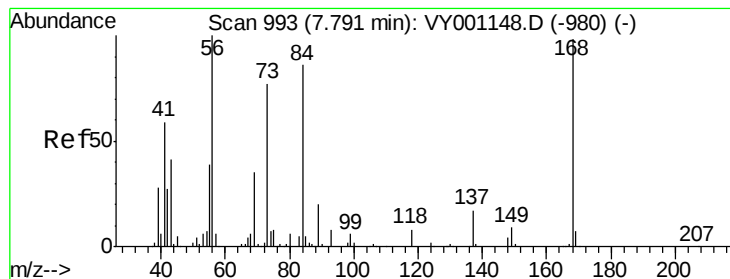
Tgt Ion: 42 Resp: 137305
Ion Ratio Lower Upper
42 100
72 44.9 36.9 55.3
71 41.9 34.0 51.0



#30
Chloroform
Concen: 52.110 ug/l
RT: 7.52 min Scan# 948
Delta R.T. -0.00 min
Lab File: VY001168.D
Acq: 13 Jan 2020 09:25

Tgt Ion: 83 Resp: 211035
Ion Ratio Lower Upper
83 100
85 65.4 51.9 77.9





#31

Cyclohexane

Concen: 50.036 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.00 min

Lab File: VY001168.D

Acq: 13 Jan 2020 09:25

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

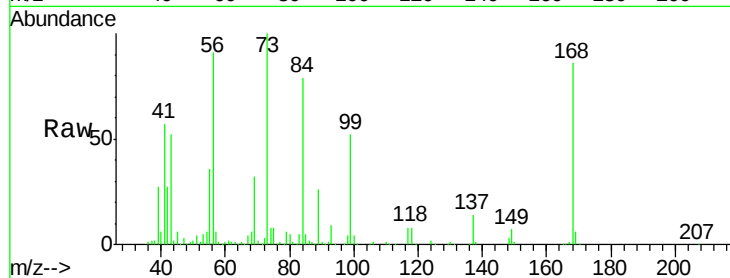
Tgt Ion: 56 Resp: 218968

Ion Ratio Lower Upper

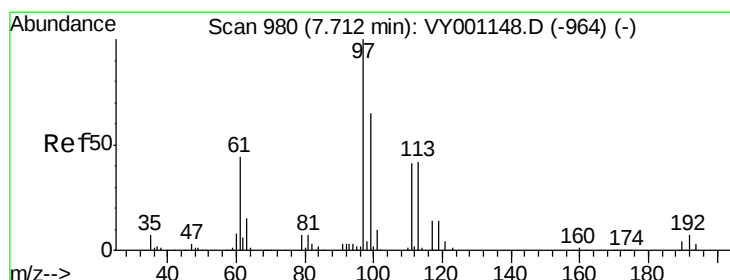
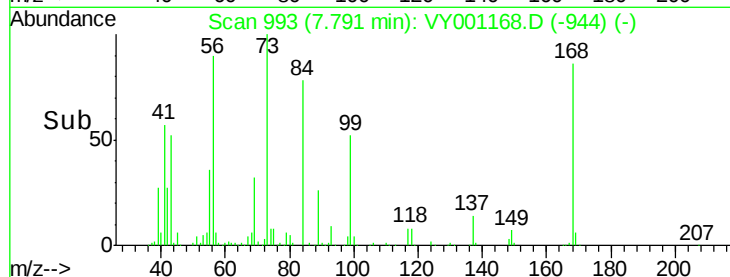
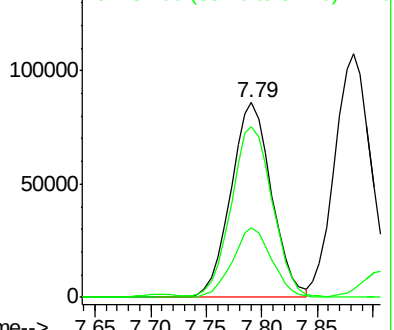
56 100

69 35.6 27.8 41.8

84 86.0 68.9 103.3



Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0



#32

1,1,1-Trichloroethane

Concen: 51.837 ug/l

RT: 7.71 min Scan# 979

Delta R.T. -0.01 min

Lab File: VY001168.D

Acq: 13 Jan 2020 09:25

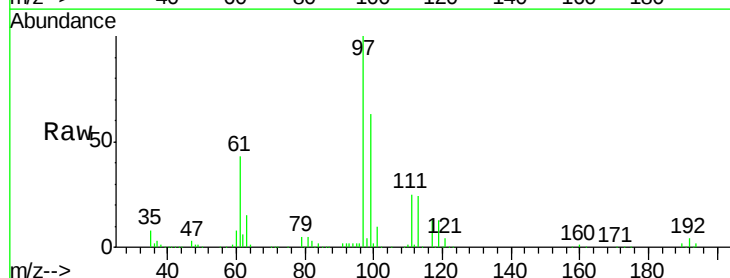
Tgt Ion: 97 Resp: 186266

Ion Ratio Lower Upper

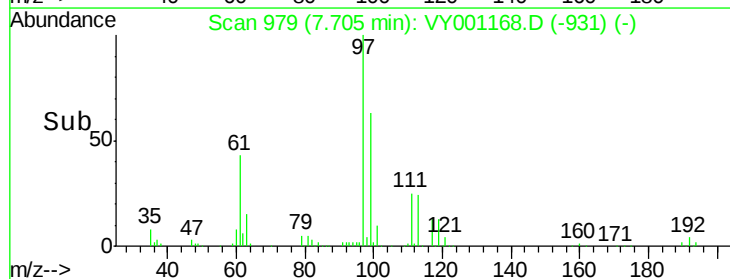
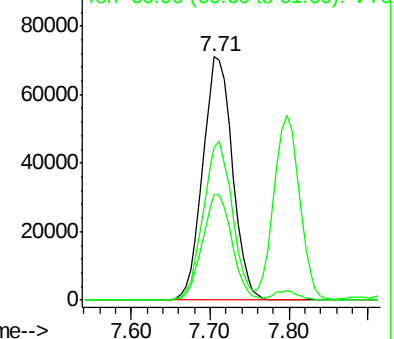
97 100

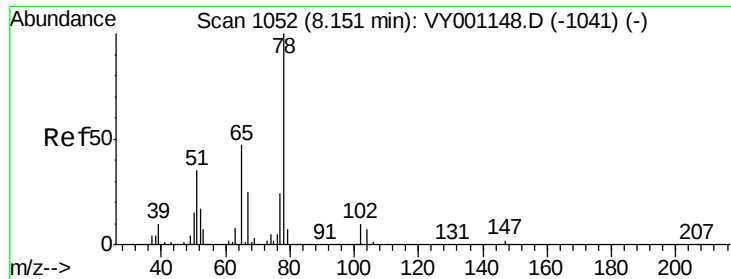
99 64.1 51.3 76.9

61 43.4 34.6 52.0



Abundance Ion 96.90 (96.60 to 97.60): VY0
Ion 98.90 (98.60 to 99.60): VY0
Ion 60.90 (60.60 to 61.60): VY0





#33

1,2-Dichloroethane-d4

Concen: 50.206 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.00 min

Lab File: VY001168.D

Acq: 13 Jan 2020 09:25

Instrument :

MSVOA_Y

ClientSampleId :

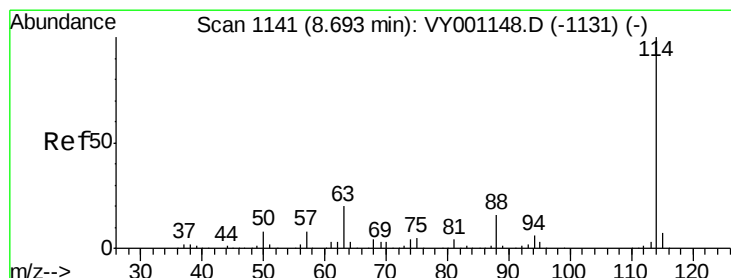
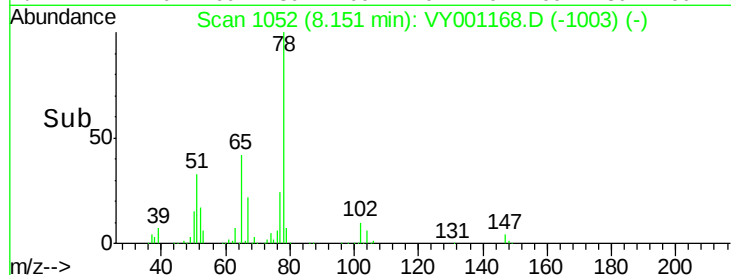
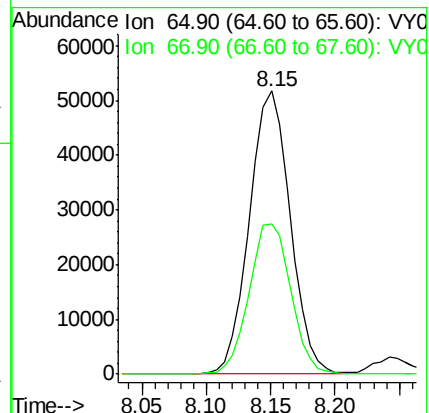
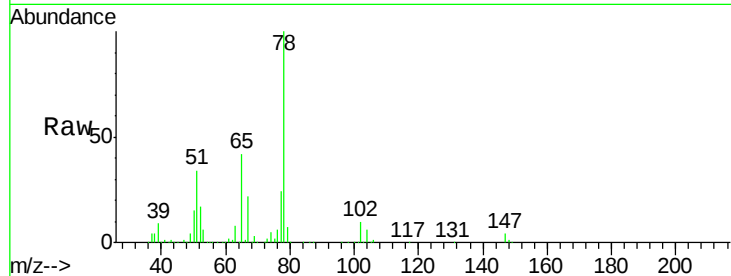
VSTDCCC050

Tgt Ion: 65 Resp: 113600

Ion Ratio Lower Upper

65 100

67 54.4 0.0 105.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.69 min Scan# 1141

Delta R.T. -0.00 min

Lab File: VY001168.D

Acq: 13 Jan 2020 09:25

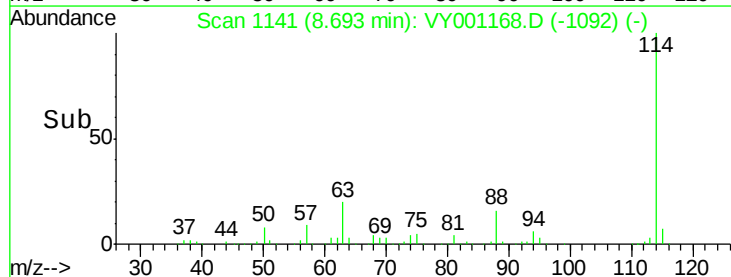
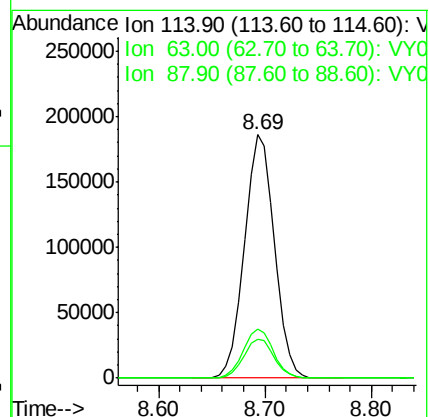
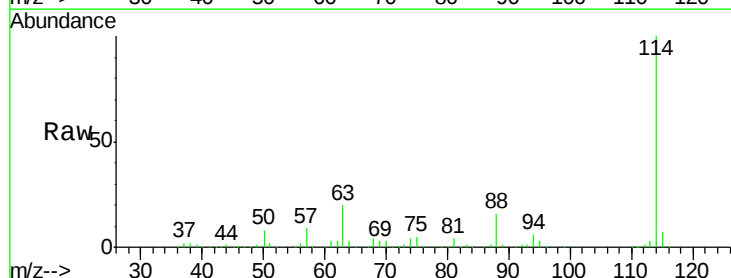
Tgt Ion: 114 Resp: 367443

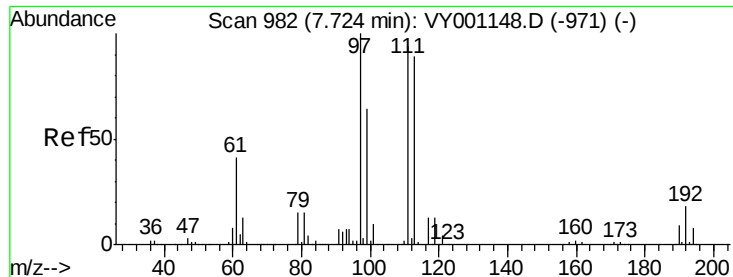
Ion Ratio Lower Upper

114 100

63 19.9 0.0 40.8

88 16.2 0.0 32.4

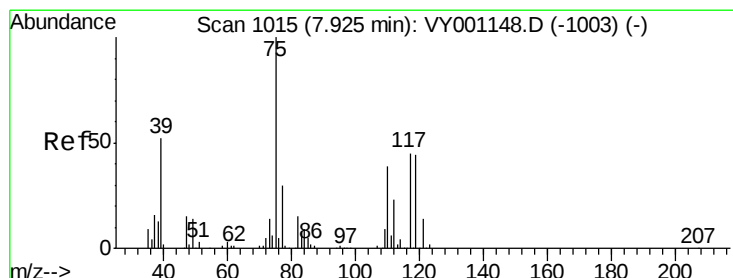
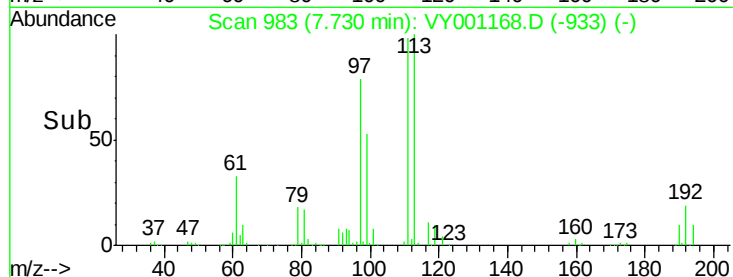
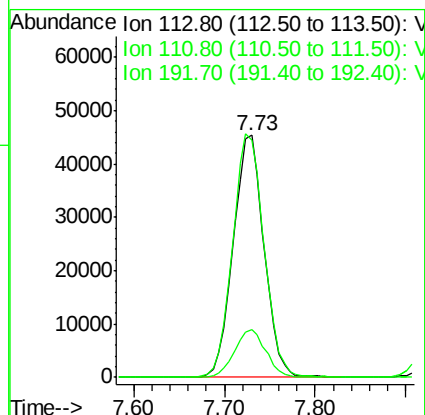
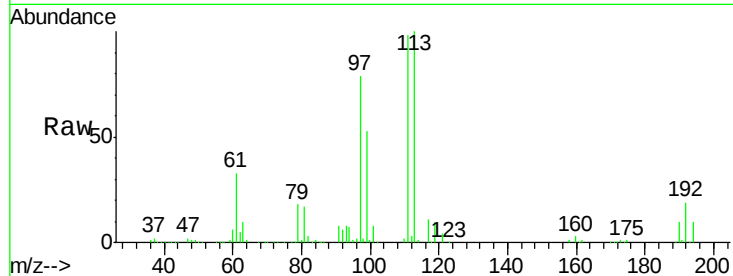




#35
 Dibromofluoromethane
 Concen: 49.490 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. 0.01 min
 Lab File: VY001168.D
 Acq: 13 Jan 2020 09:25

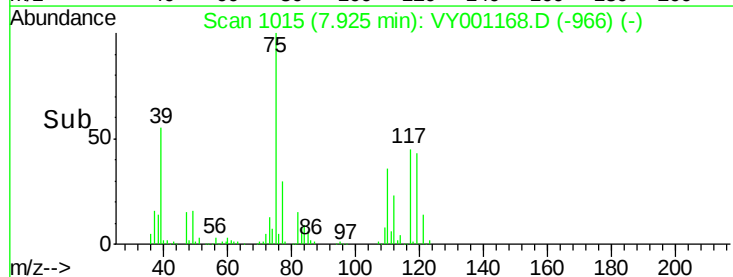
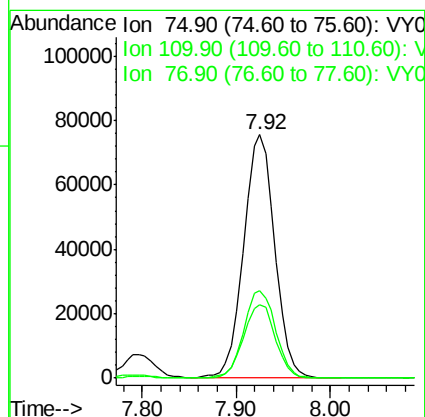
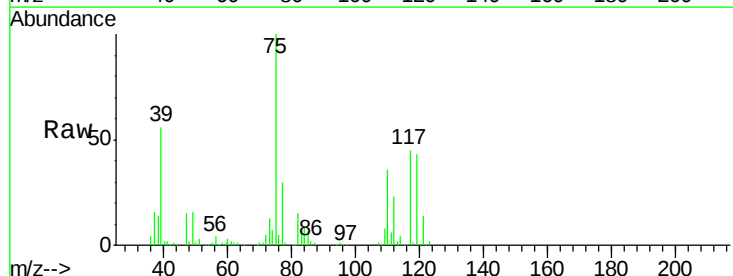
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

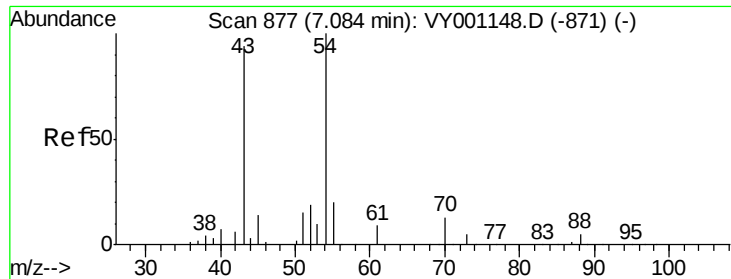
Tgt Ion:113 Resp: 106472
 Ion Ratio Lower Upper
 113 100
 111 102.7 82.9 124.3
 192 19.8 15.4 23.2



#36
 1,1-Dichloropropene
 Concen: 52.276 ug/l
 RT: 7.92 min Scan# 1015
 Delta R.T. -0.00 min
 Lab File: VY001168.D
 Acq: 13 Jan 2020 09:25

Tgt Ion: 75 Resp: 175072
 Ion Ratio Lower Upper
 75 100
 110 36.5 18.3 54.8
 77 31.5 25.1 37.7

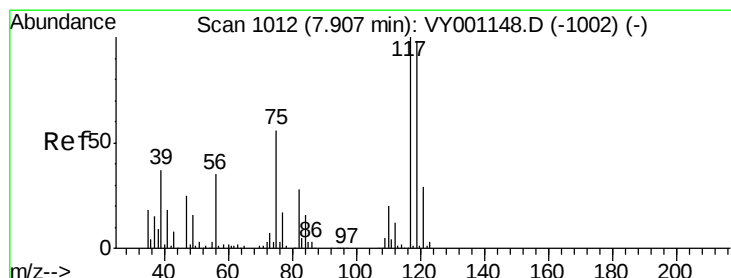
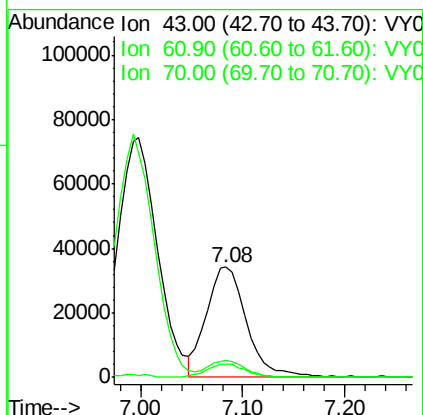
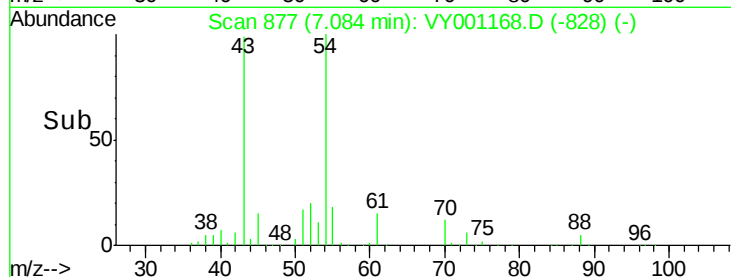
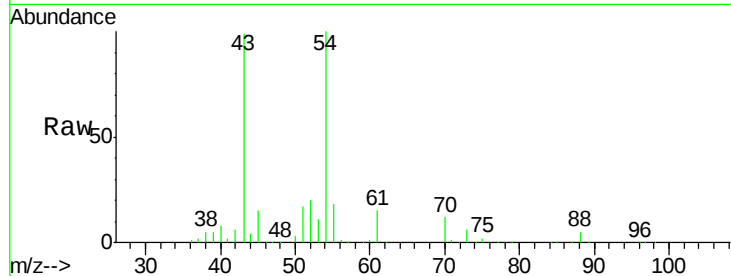




#37
Ethyl Acetate
Concen: 46.911 ug/l
RT: 7.08 min Scan# 877
Delta R.T. -0.00 min
Lab File: VY001168.D
Acq: 13 Jan 2020 09:25

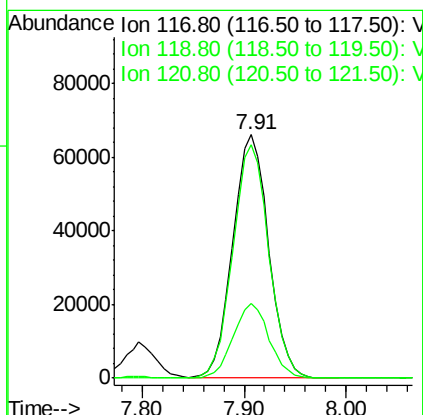
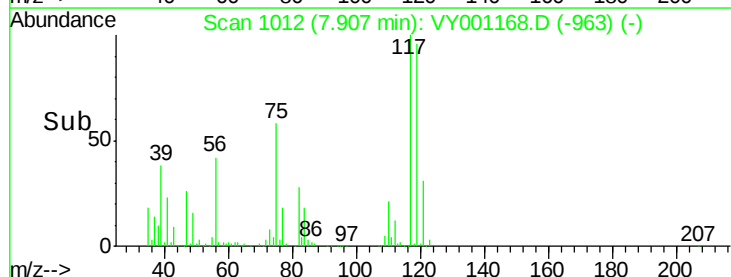
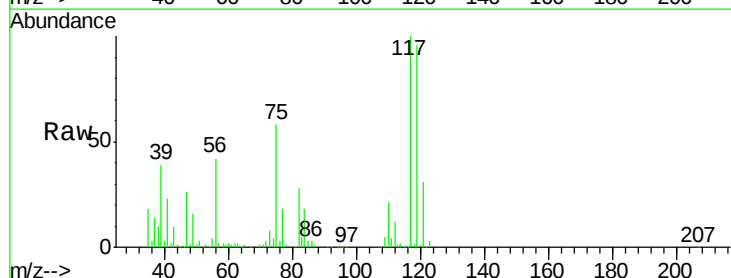
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

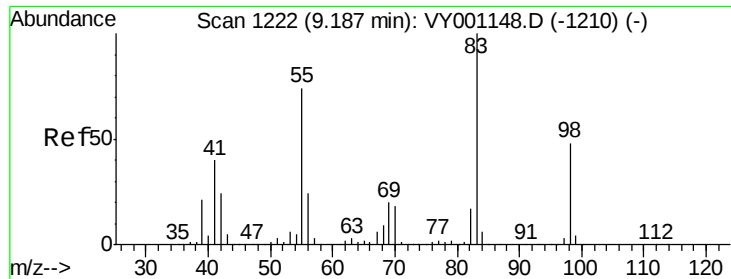
Tgt Ion: 43 Resp: 92201
Ion Ratio Lower Upper
43 100
61 14.4 11.1 16.7
70 12.2 9.7 14.5



#38
Carbon Tetrachloride
Concen: 52.510 ug/l
RT: 7.91 min Scan# 1012
Delta R.T. -0.00 min
Lab File: VY001168.D
Acq: 13 Jan 2020 09:25

Tgt Ion: 117 Resp: 161165
Ion Ratio Lower Upper
117 100
119 95.9 78.3 117.5
121 30.9 23.5 35.3

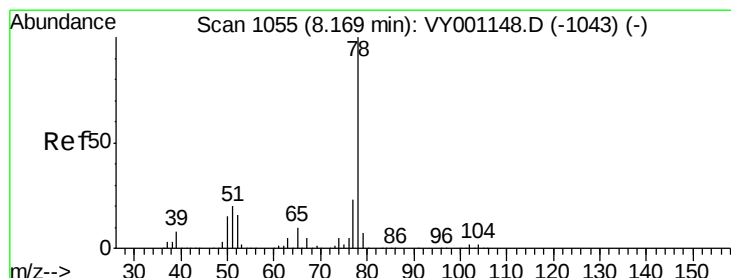
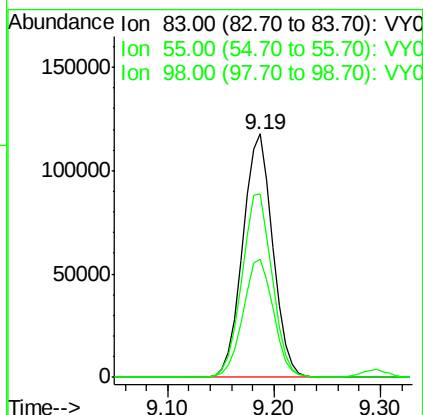
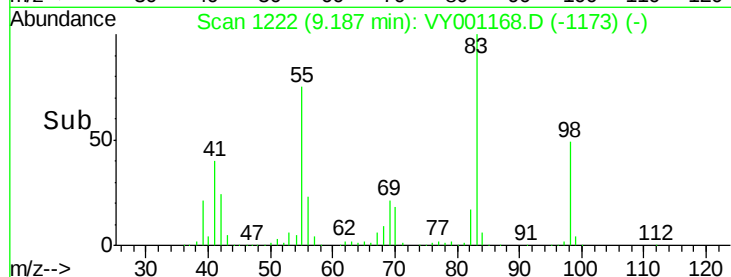
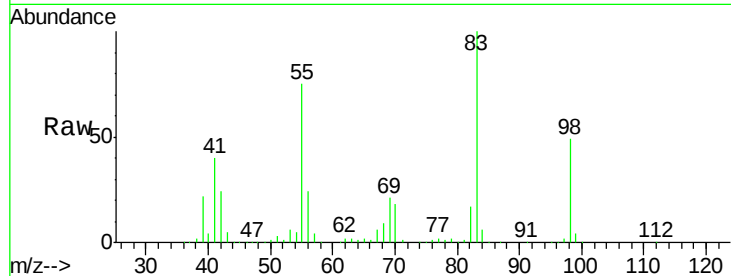




#39
Methylcyclohexane
Concen: 51.559 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. -0.00 min
Lab File: VY001168.D
Acq: 13 Jan 2020 09:25

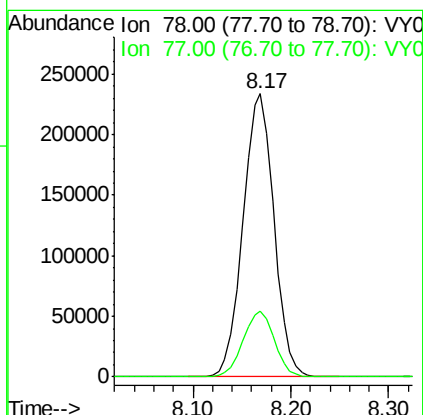
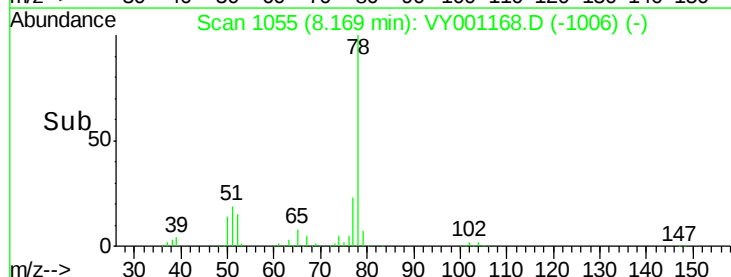
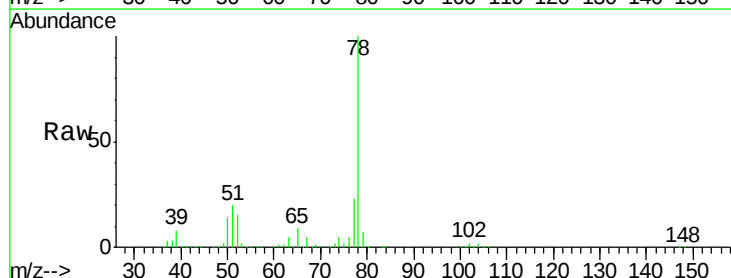
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

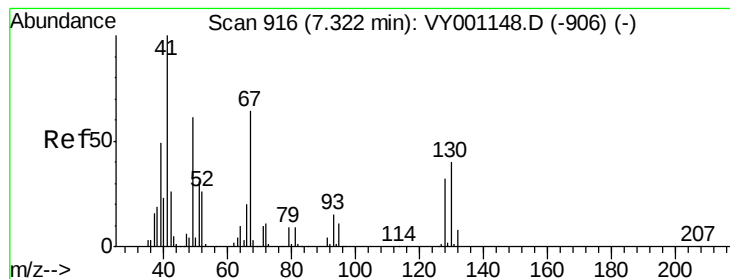
Tgt Ion: 83 Resp: 234097
Ion Ratio Lower Upper
83 100
55 75.1 58.9 88.3
98 48.7 38.4 57.6



#40
Benzene
Concen: 52.406 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. -0.00 min
Lab File: VY001168.D
Acq: 13 Jan 2020 09:25

Tgt Ion: 78 Resp: 512319
Ion Ratio Lower Upper
78 100
77 23.2 18.8 28.2





#41

Methacrylonitrile

Concen: 139.248 ug/l

RT: 7.35 min Scan# 921

Delta R.T. 0.03 min

Lab File: VY001168.D

Acq: 13 Jan 2020 09:25

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 41 Resp: 128561

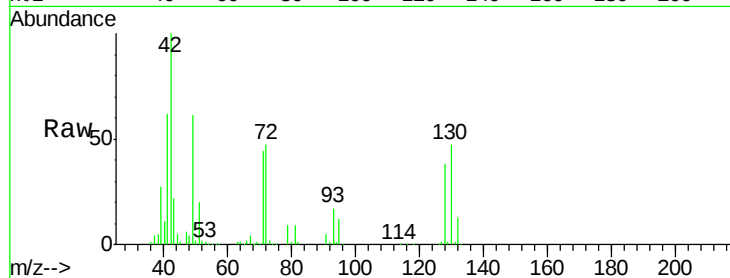
Ion Ratio Lower Upper

41 100

39 0.0 103.5 155.3#

67 0.0 0.0 0.0

52 0.0 0.0 0.0



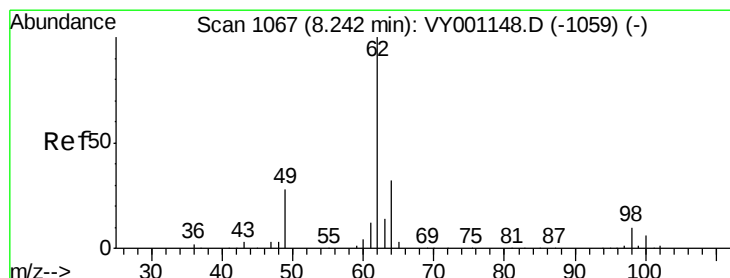
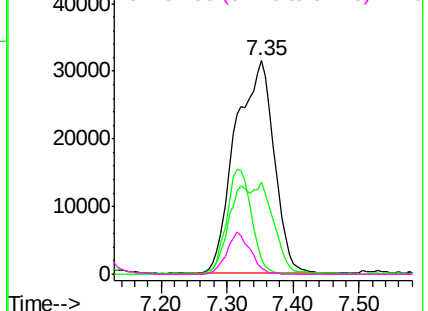
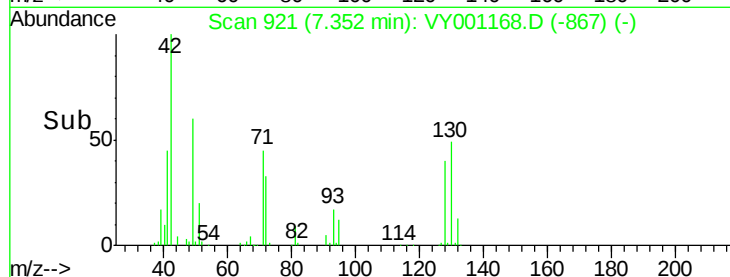
Abundance

Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 67.00 (66.70 to 67.70): VY0

Ion 52.00 (51.70 to 52.70): VY0



#42

1,2-Dichloroethane

Concen: 52.150 ug/l

RT: 8.24 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VY001168.D

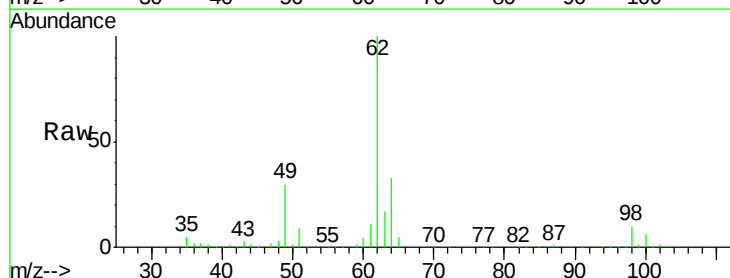
Acq: 13 Jan 2020 09:25

Tgt Ion: 62 Resp: 142755

Ion Ratio Lower Upper

62 100

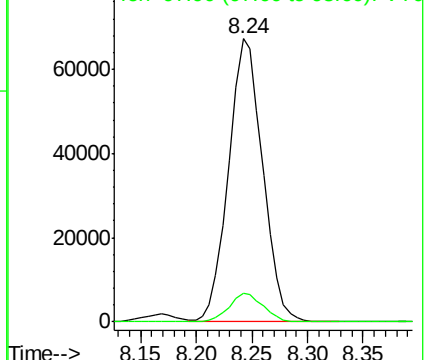
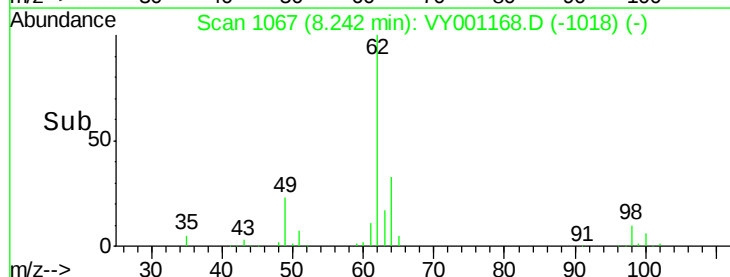
98 10.2 0.0 20.4

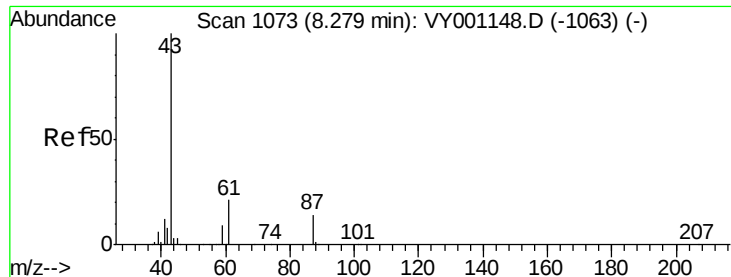


Abundance

Ion 61.90 (61.60 to 62.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

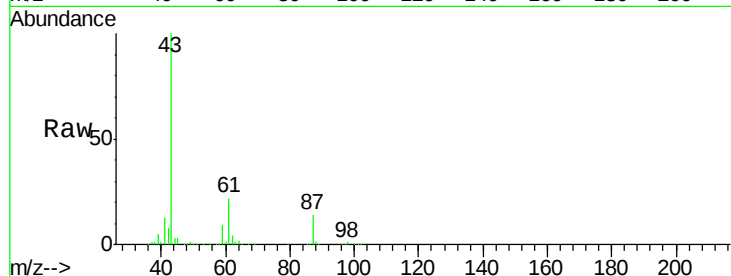




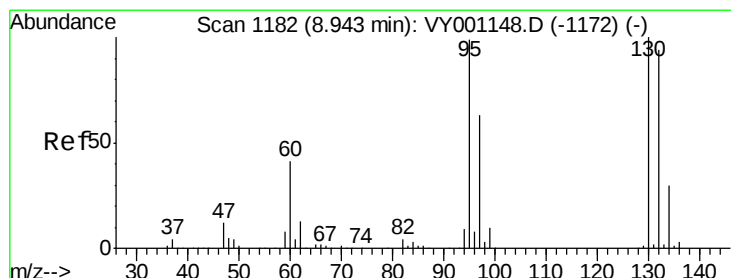
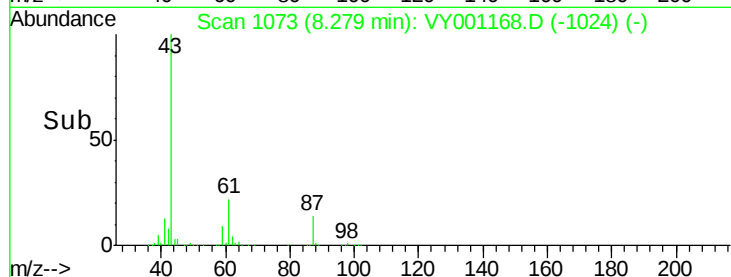
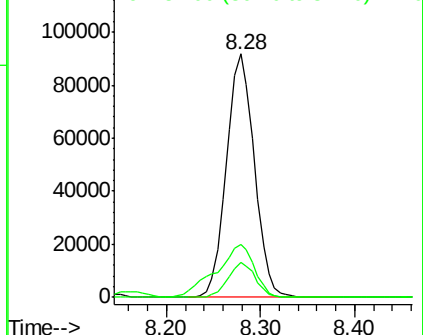
#43
Isopropyl Acetate
Concen: 50.130 ug/l
RT: 8.28 min Scan# 1073
Delta R.T. -0.00 min
Lab File: VY001168.D
Acq: 13 Jan 2020 09:25

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 188407
Ion Ratio Lower Upper
43 100
61 29.8 23.9 35.9
87 13.9 11.4 17.2

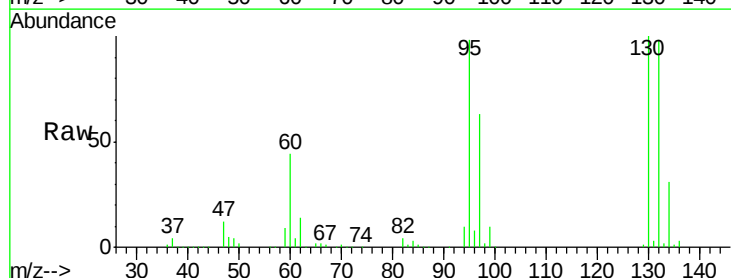


Abundance Ion 43.00 (42.70 to 43.70): VY001168.D (-1063) (-)
Ion 61.00 (60.70 to 61.70): VY001168.D (-1063) (-)
Ion 87.00 (86.70 to 87.70): VY001168.D (-1063) (-)

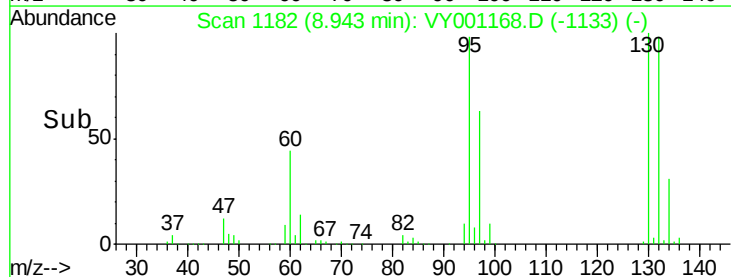
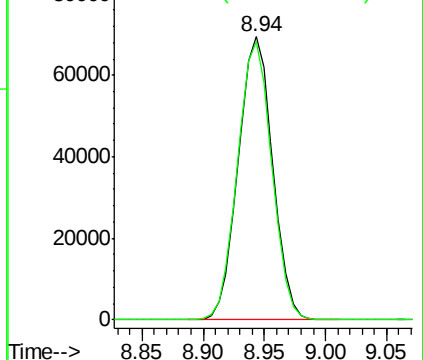


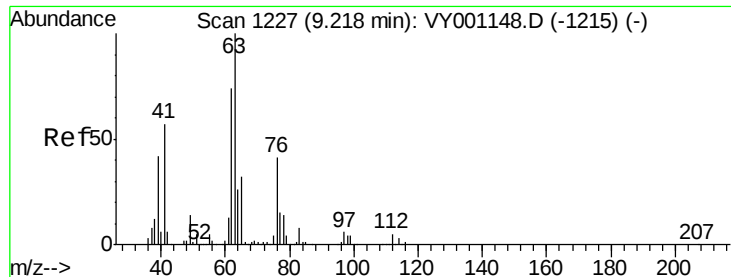
#44
Trichloroethene
Concen: 53.150 ug/l
RT: 8.94 min Scan# 1182
Delta R.T. -0.00 min
Lab File: VY001168.D
Acq: 13 Jan 2020 09:25

Tgt Ion: 130 Resp: 135391
Ion Ratio Lower Upper
130 100
95 98.2 0.0 197.6



Abundance Ion 129.80 (129.50 to 130.50): VY001168.D (-1172) (-)
Ion 94.90 (94.60 to 95.60): VY001168.D (-1172) (-)

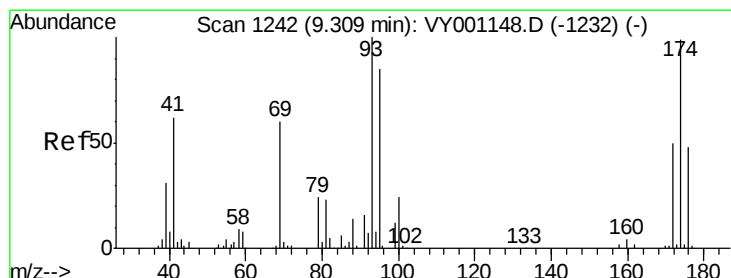
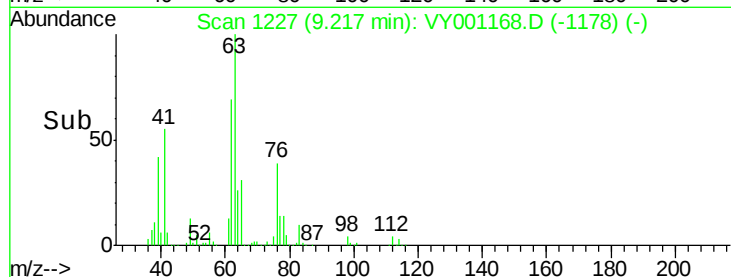
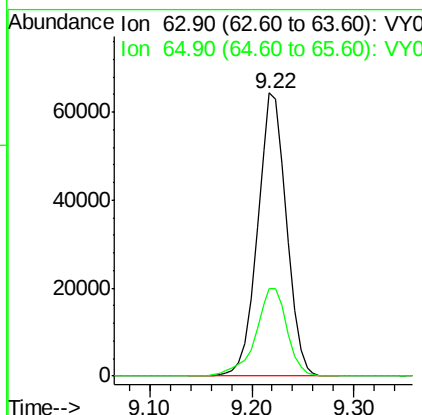
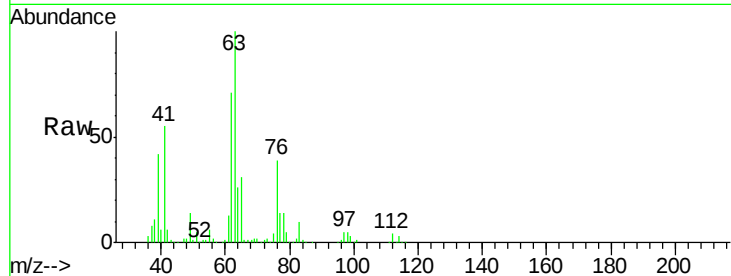




#45
 1,2-Dichloropropane
 Concen: 52.299 ug/l
 RT: 9.22 min Scan# 1227
 Delta R.T. -0.00 min
 Lab File: VY001168.D
 Acq: 13 Jan 2020 09:25

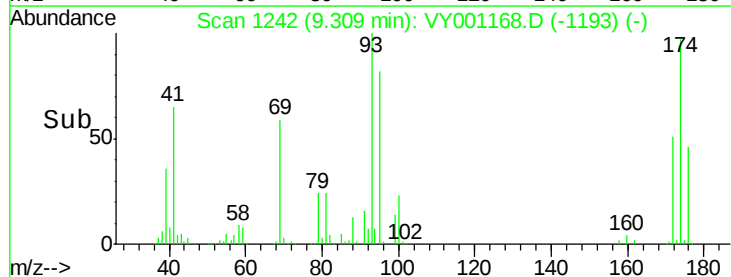
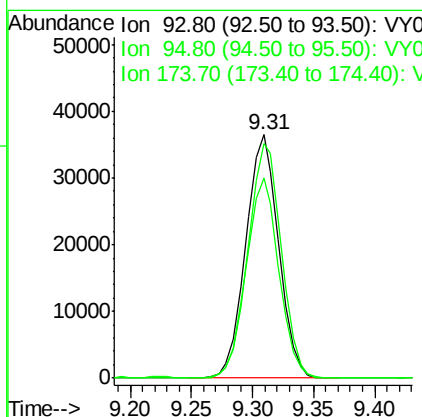
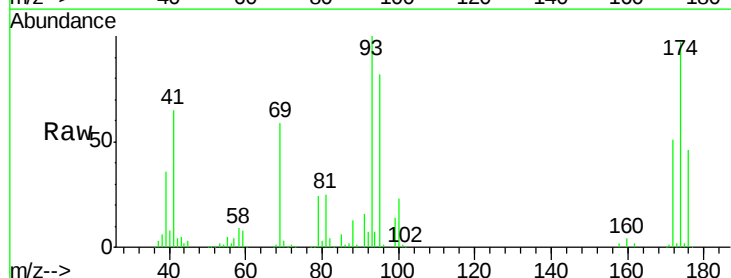
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 63 Resp: 126397
 Ion Ratio Lower Upper
 63 100
 65 31.0 25.8 38.8



#46
 Dibromomethane
 Concen: 51.600 ug/l
 RT: 9.31 min Scan# 1242
 Delta R.T. -0.00 min
 Lab File: VY001168.D
 Acq: 13 Jan 2020 09:25

Tgt Ion: 93 Resp: 68043
 Ion Ratio Lower Upper
 93 100
 95 82.2 66.8 100.2
 174 97.8 78.4 117.6





#47

Bromodichloromethane

Concen: 51.902 ug/l

RT: 9.50 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VY001168.D

Acq: 13 Jan 2020 09:25

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

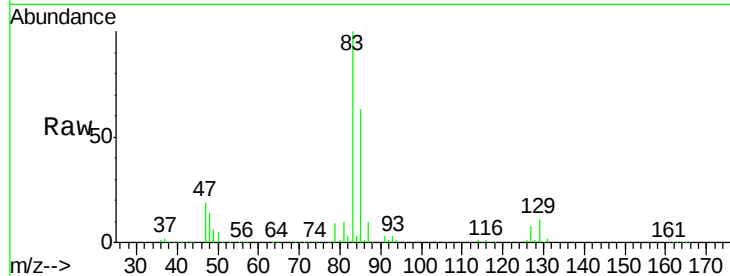
Tgt Ion: 83 Resp: 166796

Ion Ratio Lower Upper

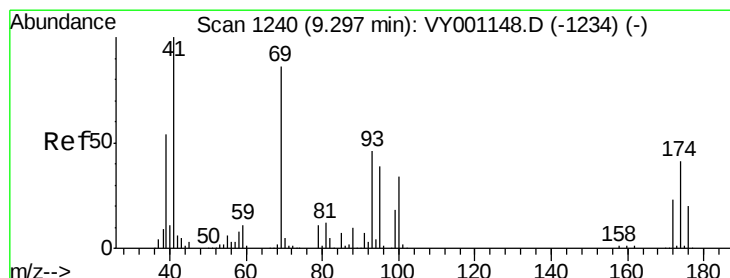
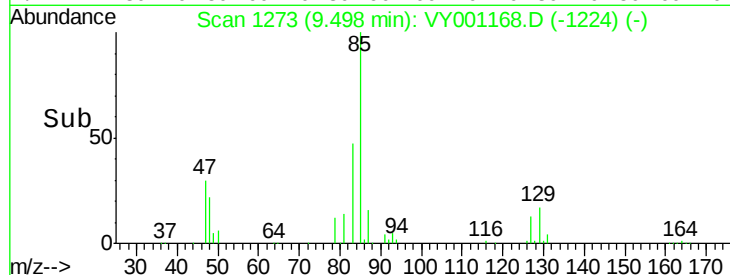
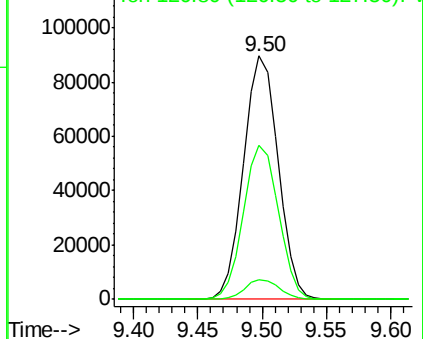
83 100

85 63.4 51.5 77.3

127 8.0 6.3 9.5



Abundance Ion 82.90 (82.60 to 83.60): VY0
Ion 84.90 (84.60 to 85.60): VY0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 49.423 ug/l

RT: 9.30 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VY001168.D

Acq: 13 Jan 2020 09:25

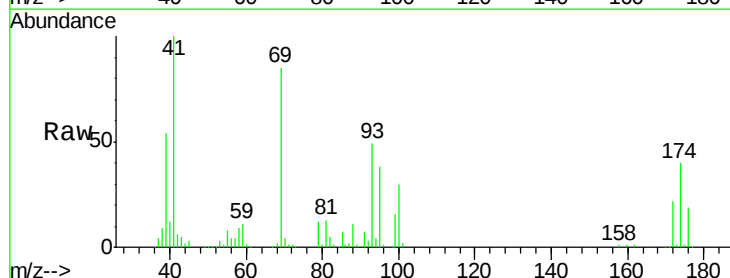
Tgt Ion: 41 Resp: 85956

Ion Ratio Lower Upper

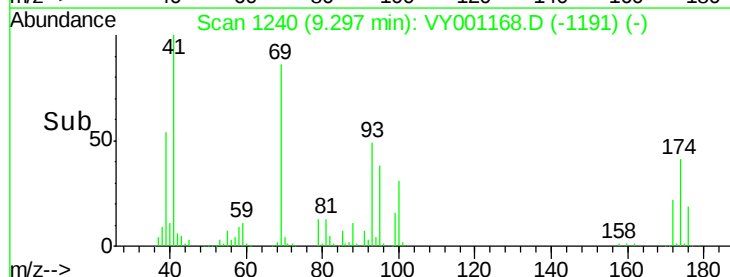
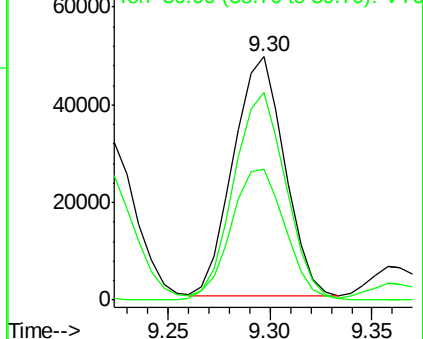
41 100

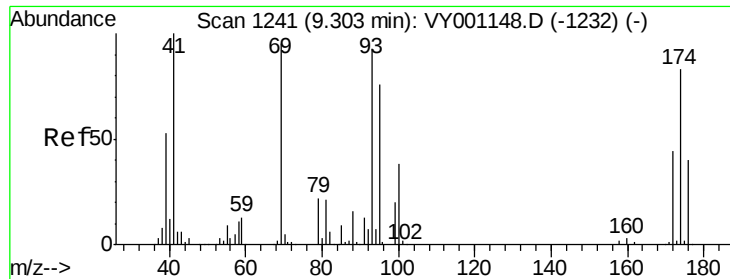
69 88.1 69.8 104.8

39 57.4 45.2 67.8



Abundance Ion 41.00 (40.70 to 41.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 39.00 (38.70 to 39.70): VY0

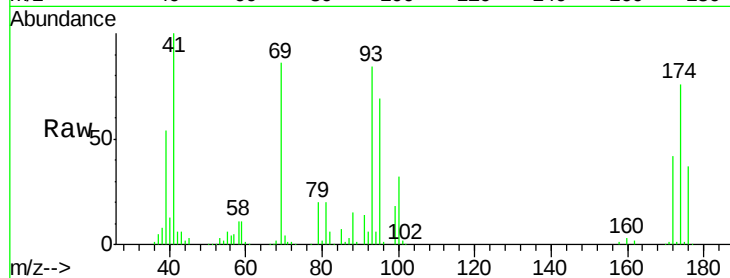




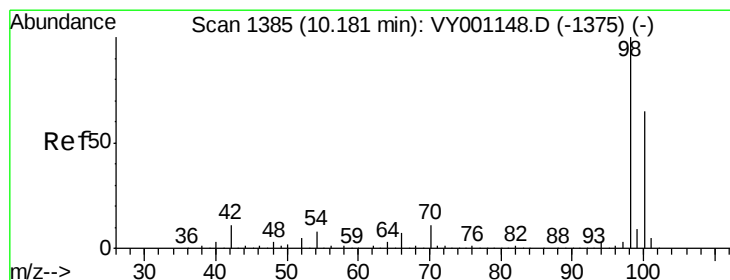
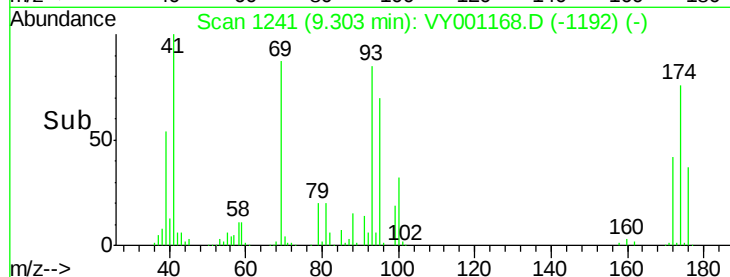
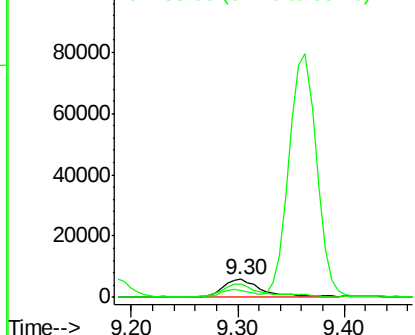
#49
 1,4-Dioxane
 Concen: 988.671 ug/l
 RT: 9.30 min Scan# 1241
 Delta R.T. -0.00 min
 Lab File: VY001168.D
 Acq: 13 Jan 2020 09:25

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 88 Resp: 15877
 Ion Ratio Lower Upper
 88 100
 43 31.9 22.4 33.6
 58 75.2 58.0 87.0

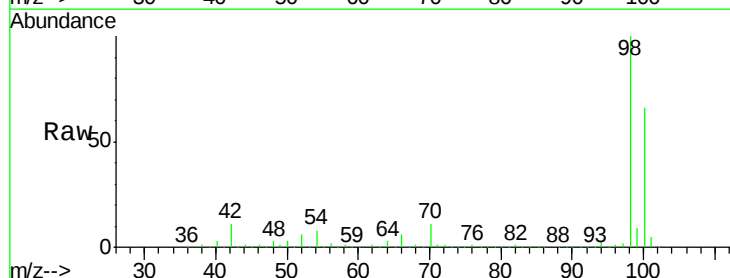


Abundance Ion 88.00 (87.70 to 88.70): VY0
 Ion 43.00 (42.70 to 43.70): VY0
 Ion 58.00 (57.70 to 58.70): VY0

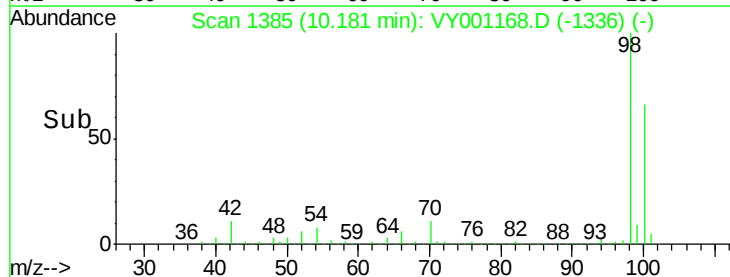
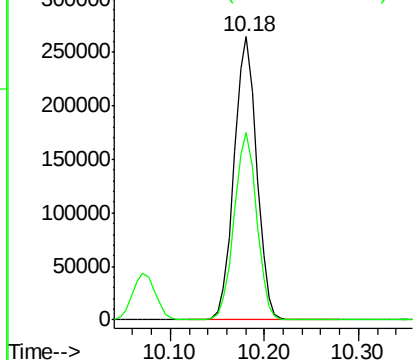


#50
 Toluene-d8
 Concen: 53.143 ug/l
 RT: 10.18 min Scan# 1385
 Delta R.T. -0.00 min
 Lab File: VY001168.D
 Acq: 13 Jan 2020 09:25

Tgt Ion: 98 Resp: 440536
 Ion Ratio Lower Upper
 98 100
 100 65.9 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VY0
 Ion 100.00 (99.70 to 100.70): VY0





#51

4-Methyl-2-Pentanone

Concen: 244.000 ug/l

RT: 10.07 min Scan# 1367

Delta R.T. -0.00 min

Lab File: VY001168.D

Acq: 13 Jan 2020 09:25

Instrument :

MSVOA_Y

ClientSampleId :

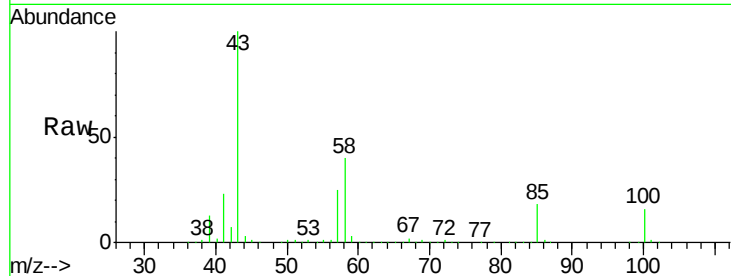
VSTDCCC050

Tgt Ion: 43 Resp: 465314

Ion Ratio Lower Upper

43 100

58 40.2 32.3 48.5



Abundance Ion 43.00 (42.70 to 43.70): VY001168.D (-1352) (-)

Ion 58.00 (57.70 to 58.70): VY001168.D (-1352) (-)

10.07

250000

200000

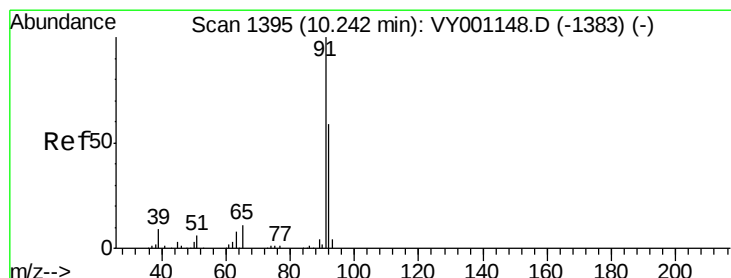
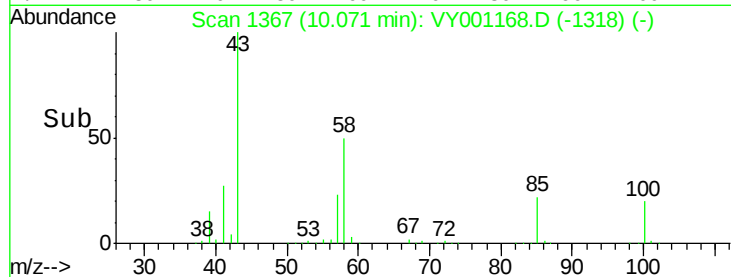
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 52.687 ug/l

RT: 10.24 min Scan# 1395

Delta R.T. -0.00 min

Lab File: VY001168.D

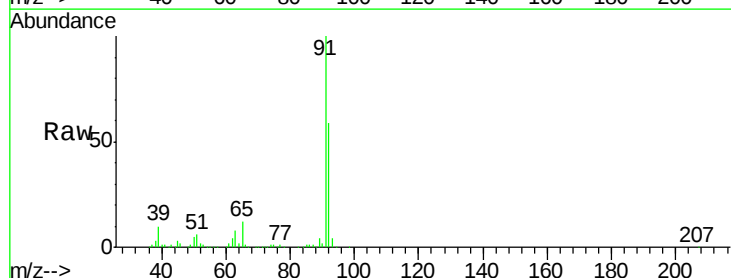
Acq: 13 Jan 2020 09:25

Tgt Ion: 92 Resp: 328513

Ion Ratio Lower Upper

92 100

91 171.3 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VY001168.D (-1383) (-)

Ion 91.00 (90.70 to 91.70): VY001168.D (-1383) (-)

10.24

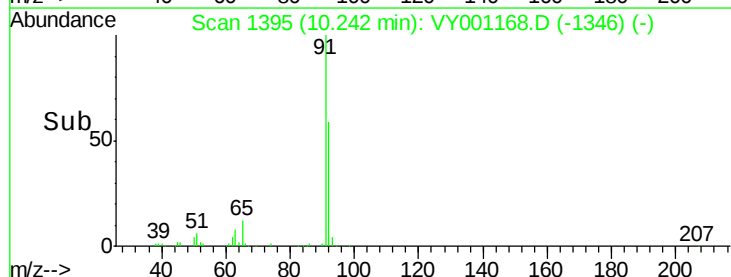
300000

200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 52.340 ug/l

RT: 10.47 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VY001168.D

Acq: 13 Jan 2020 09:25

Instrument :

MSVOA_Y

ClientSampled :

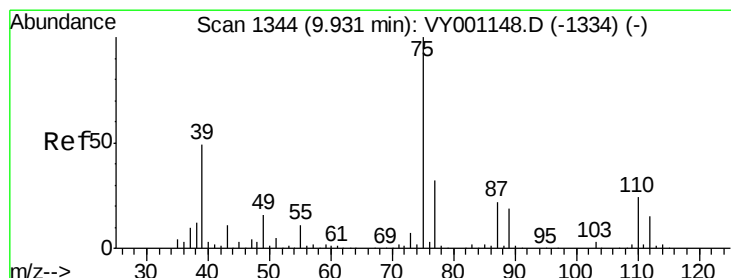
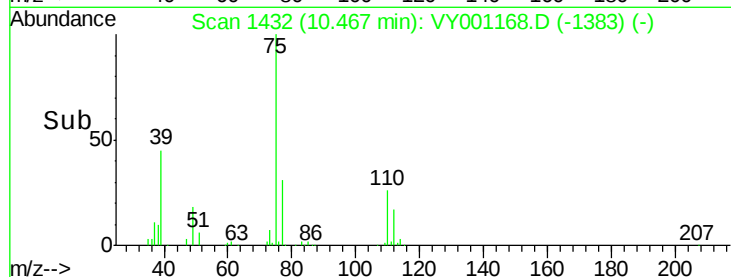
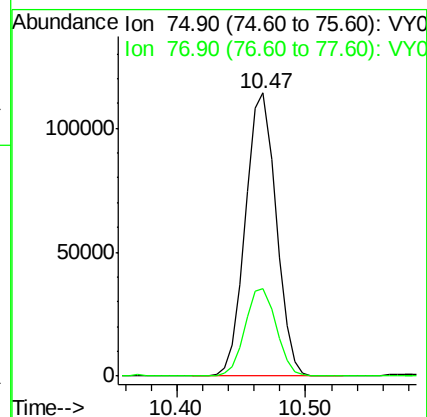
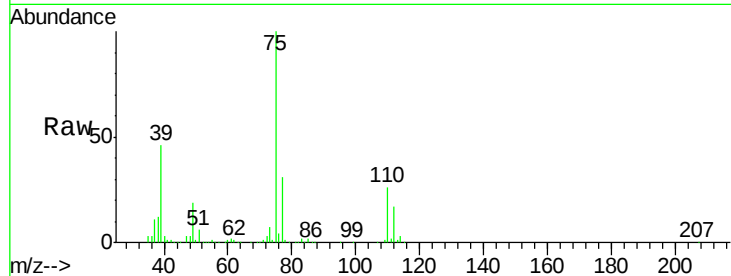
VSTDCCC050

Tgt Ion: 75 Resp: 188222

Ion Ratio Lower Upper

75 100

77 31.0 26.2 39.2



#54

cis-1,3-Dichloropropene

Concen: 52.469 ug/l

RT: 9.93 min Scan# 1344

Delta R.T. -0.00 min

Lab File: VY001168.D

Acq: 13 Jan 2020 09:25

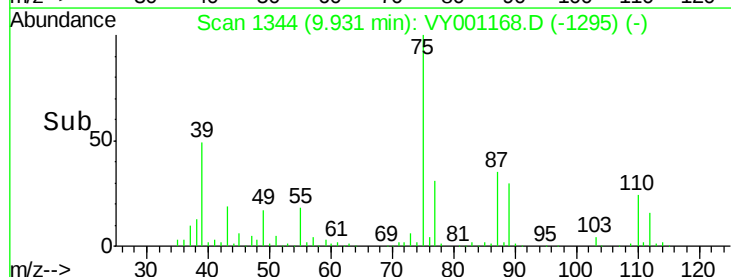
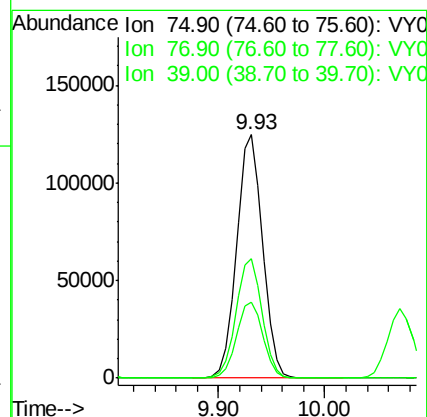
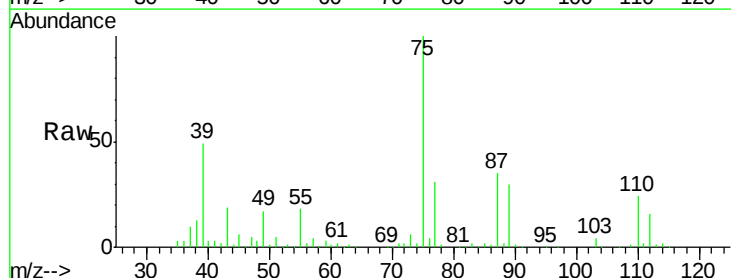
Tgt Ion: 75 Resp: 212735

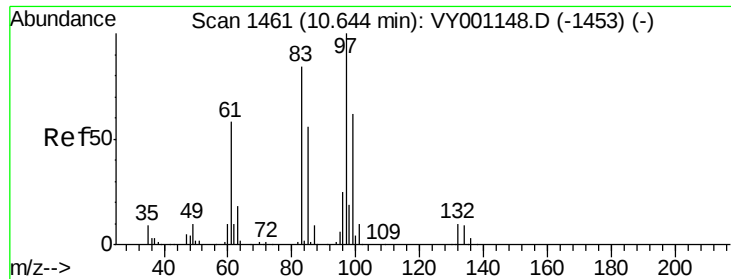
Ion Ratio Lower Upper

75 100

77 31.3 25.3 37.9

39 49.2 39.1 58.7





#55

1,1,2-Trichloroethane

Concen: 50.965 ug/l

RT: 10.64 min Scan# 1461

Delta R.T. -0.00 min

Lab File: VY001168.D

Acq: 13 Jan 2020 09:25

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 97 Resp: 99632

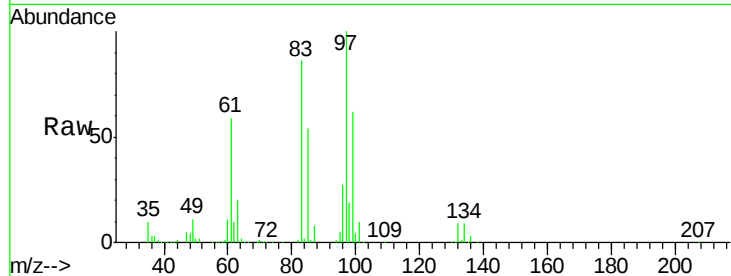
Ion Ratio Lower Upper

97 100

83 86.5 67.2 100.8

85 54.4 44.9 67.3

99 62.6 49.9 74.9

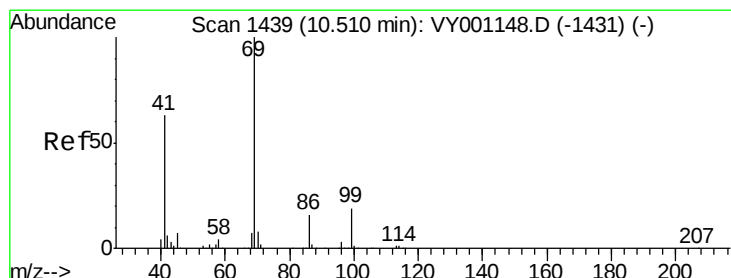
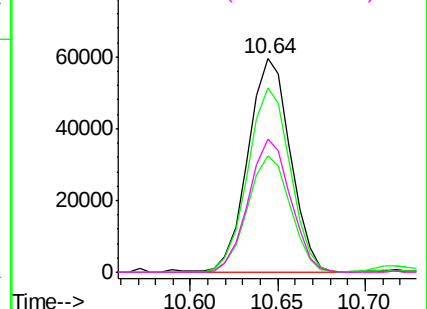
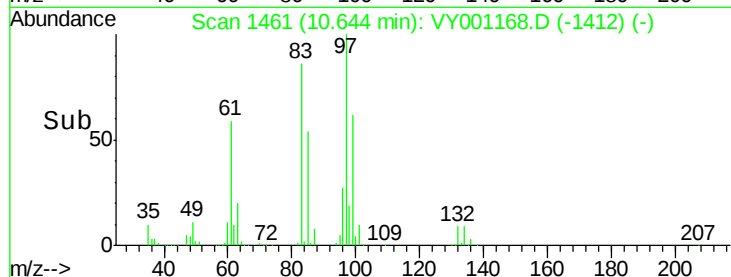


Abundance Ion 96.90 (96.60 to 97.60): VY0

Ion 82.90 (82.60 to 83.60): VY0

Ion 84.90 (84.60 to 85.60): VY0

Ion 98.90 (98.60 to 99.60): VY0



#56

Ethyl methacrylate

Concen: 49.933 ug/l

RT: 10.51 min Scan# 1439

Delta R.T. -0.00 min

Lab File: VY001168.D

Acq: 13 Jan 2020 09:25

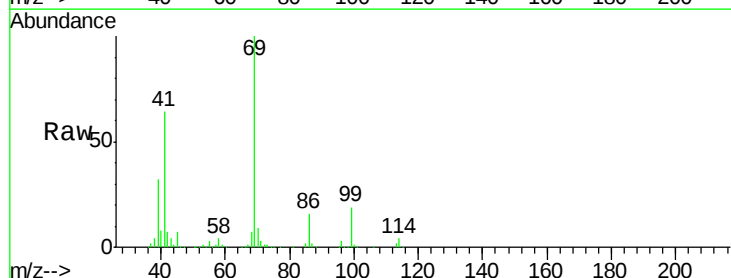
Tgt Ion: 69 Resp: 149318

Ion Ratio Lower Upper

69 100

41 64.8 51.4 77.2

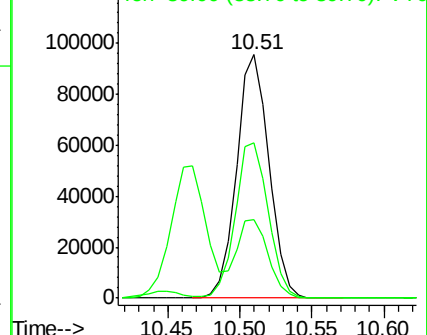
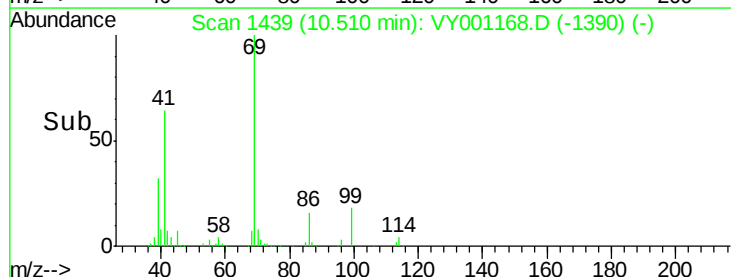
39 32.5 26.3 39.5



Abundance Ion 69.00 (68.70 to 69.70): VY0

Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

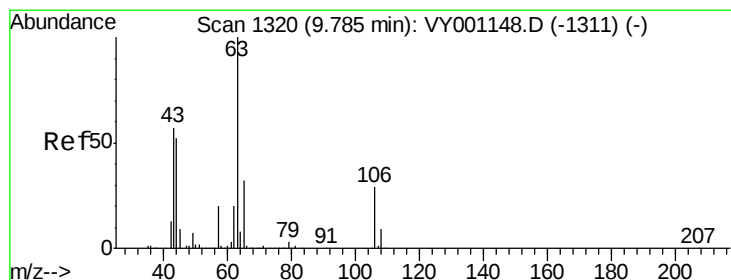
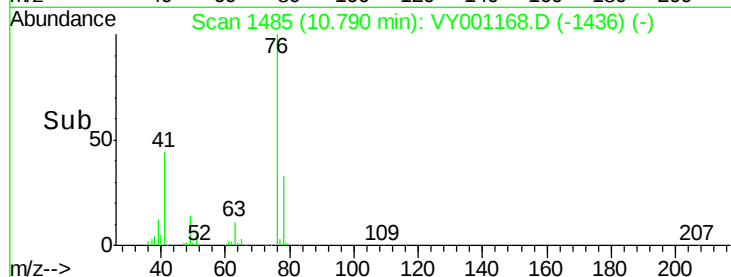
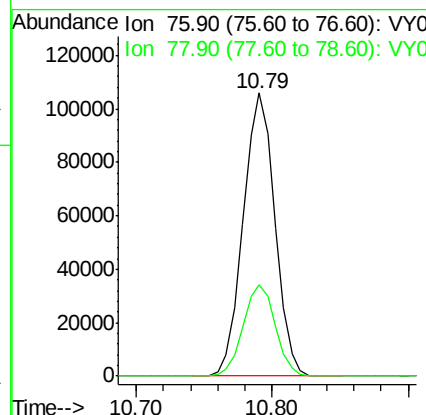
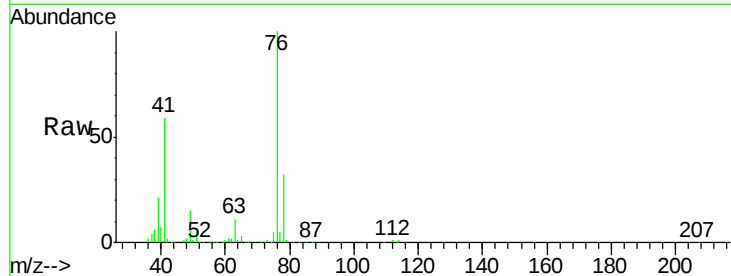




#57
 1,3-Dichloropropane
 Concen: 51.314 ug/l
 RT: 10.79 min Scan# 1485
 Delta R.T. -0.00 min
 Lab File: VY001168.D
 Acq: 13 Jan 2020 09:25

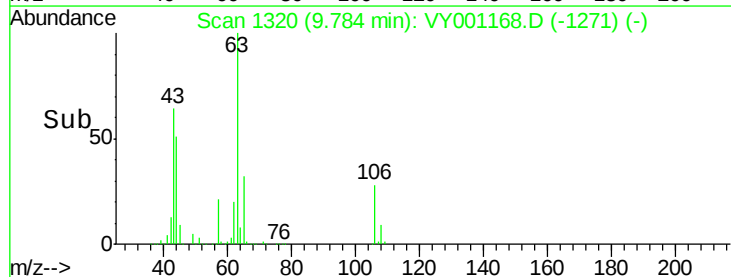
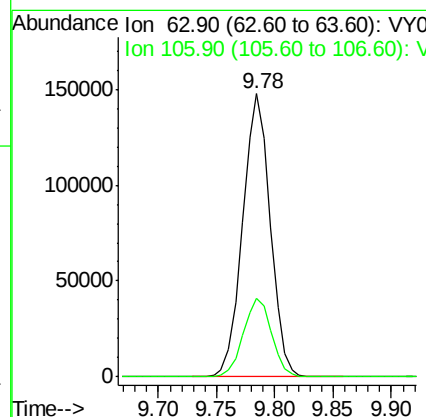
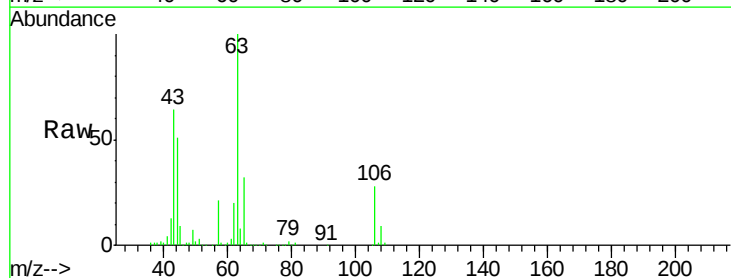
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

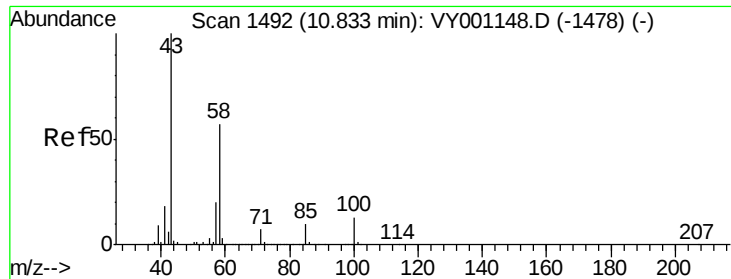
Tgt Ion: 76 Resp: 172212
 Ion Ratio Lower Upper
 76 100
 78 32.8 26.1 39.1



#58
 2-Chloroethyl Vinyl ether
 Concen: 231.551 ug/l
 RT: 9.78 min Scan# 1320
 Delta R.T. -0.00 min
 Lab File: VY001168.D
 Acq: 13 Jan 2020 09:25

Tgt Ion: 63 Resp: 243533
 Ion Ratio Lower Upper
 63 100
 106 28.3 23.0 34.6

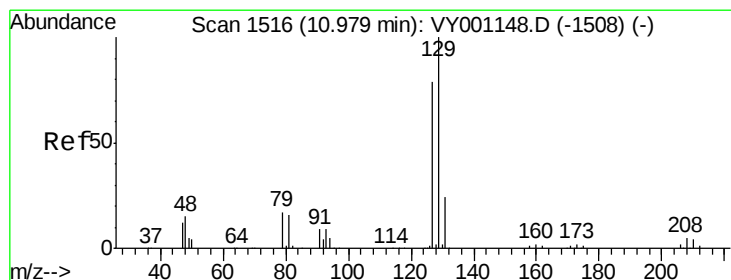
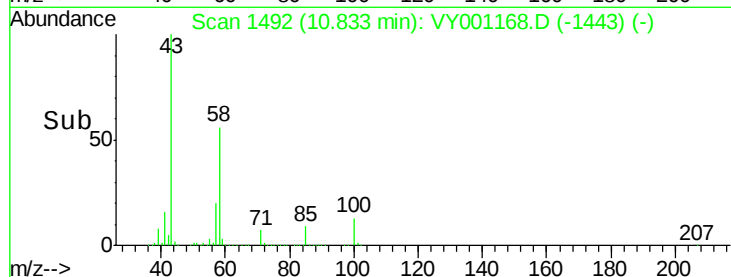
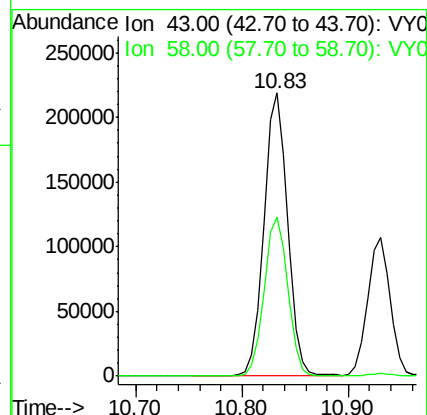
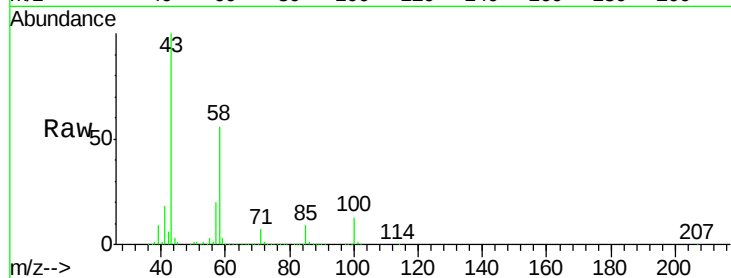




#59
2-Hexanone
Concen: 254.639 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VY001168.D
Acq: 13 Jan 2020 09:25

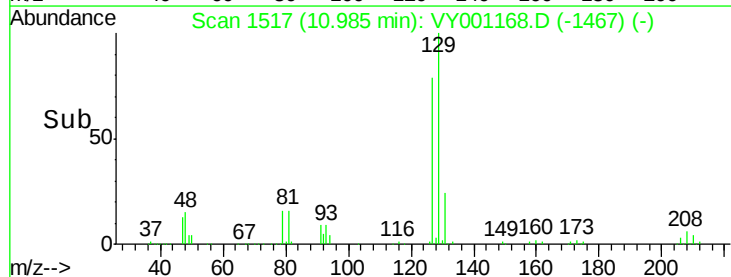
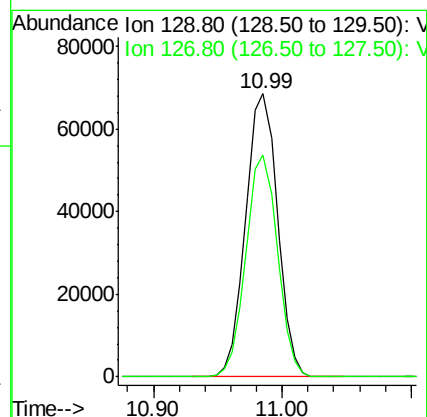
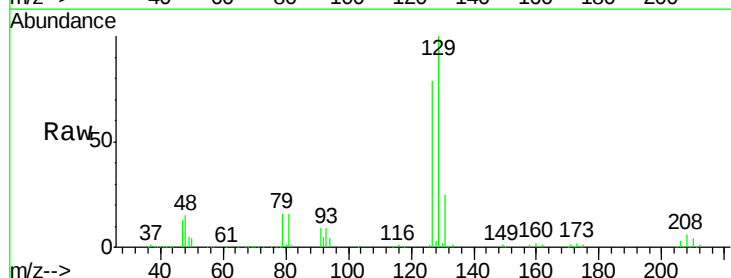
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

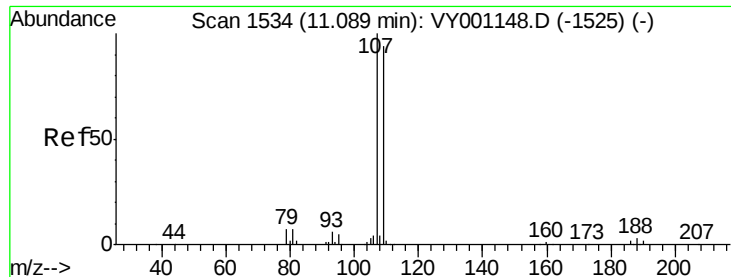
Tgt Ion: 43 Resp: 340326
Ion Ratio Lower Upper
43 100
58 56.6 28.4 85.2



#60
Dibromochloromethane
Concen: 52.128 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. 0.01 min
Lab File: VY001168.D
Acq: 13 Jan 2020 09:25

Tgt Ion: 129 Resp: 117330
Ion Ratio Lower Upper
129 100
127 77.6 38.9 116.7

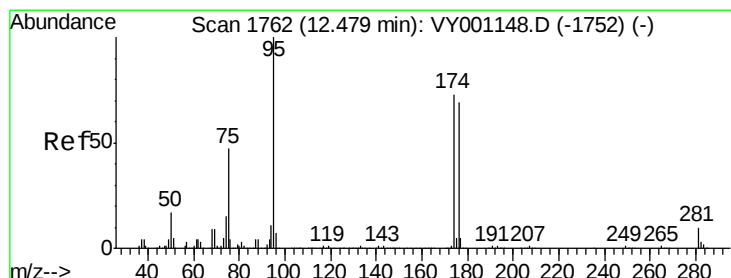
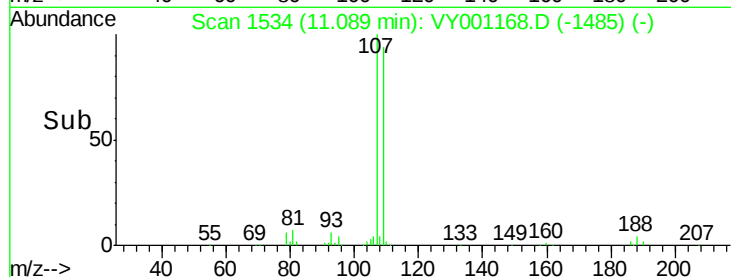
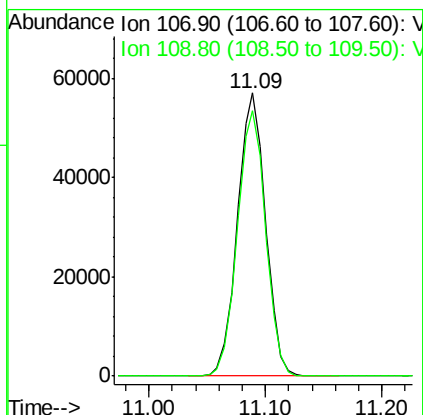
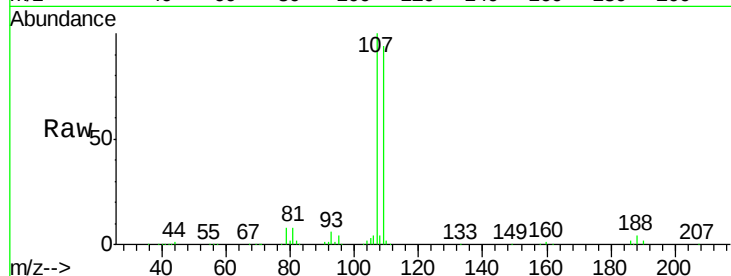




#61
 1,2-Dibromoethane
 Concen: 50.173 ug/l
 RT: 11.09 min Scan# 1534
 Delta R.T. -0.00 min
 Lab File: VY001168.D
 Acq: 13 Jan 2020 09:25

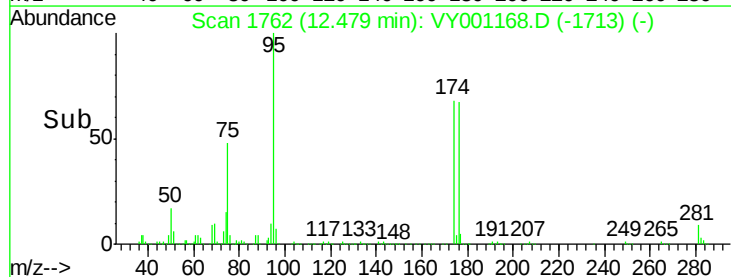
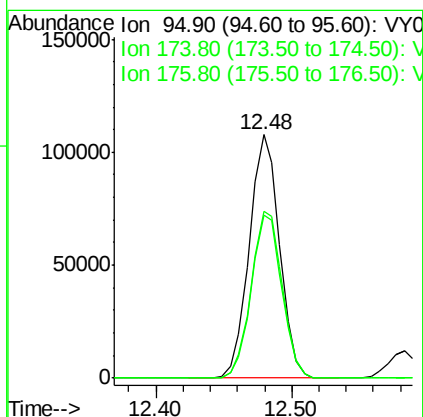
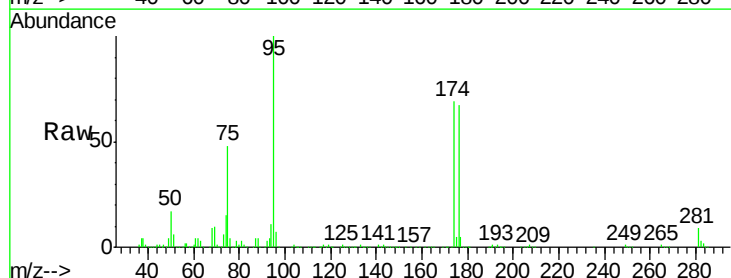
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

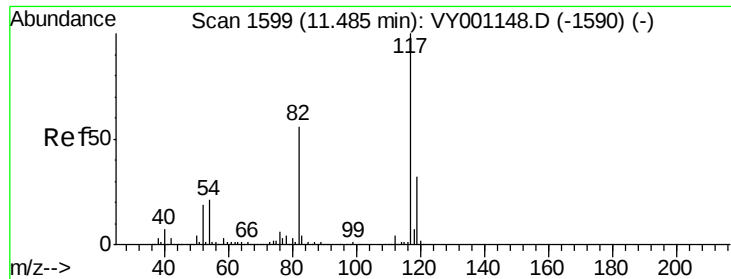
Tgt Ion: 107 Resp: 95772
 Ion Ratio Lower Upper
 107 100
 109 94.4 75.4 113.0



#62
 4-Bromofluorobenzene
 Concen: 49.496 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. -0.00 min
 Lab File: VY001168.D
 Acq: 13 Jan 2020 09:25

Tgt Ion: 95 Resp: 167743
 Ion Ratio Lower Upper
 95 100
 174 70.4 0.0 143.2
 176 68.0 0.0 136.0

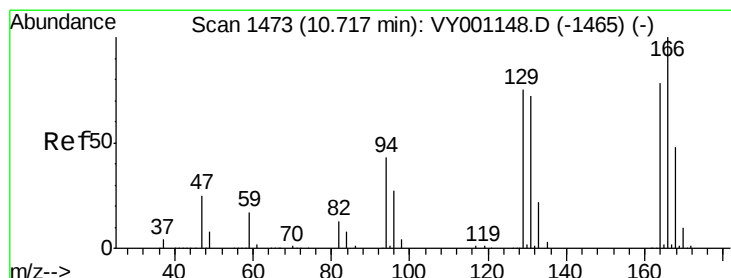
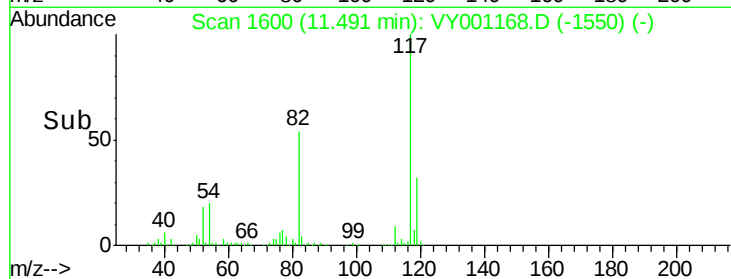
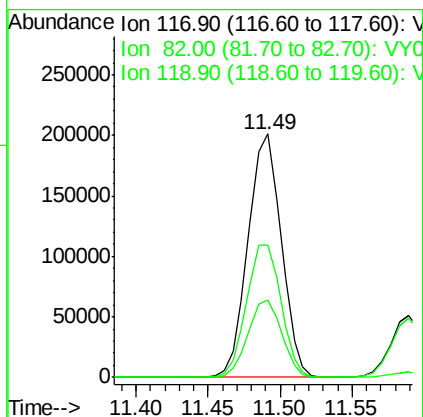
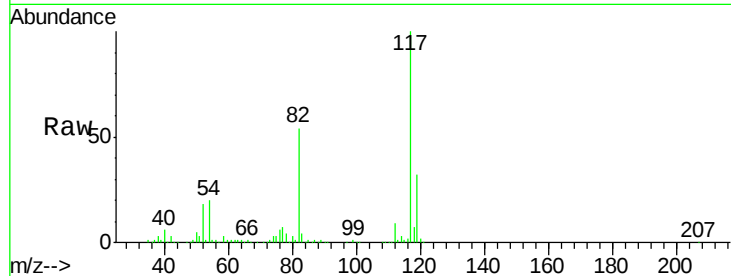




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.01 min
Lab File: VY001168.D
Acq: 13 Jan 2020 09:25

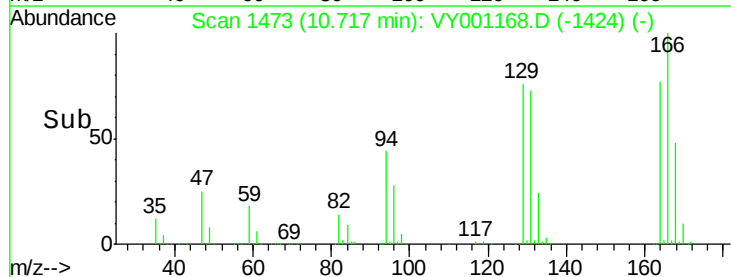
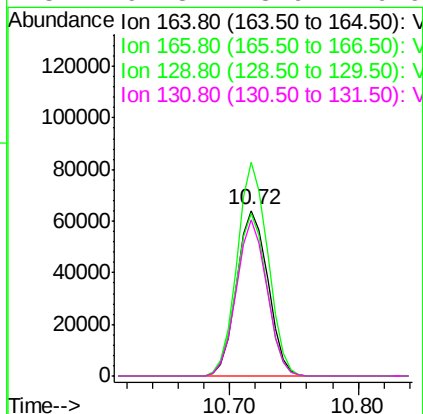
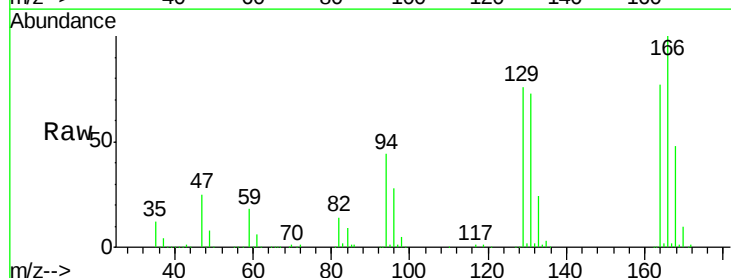
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

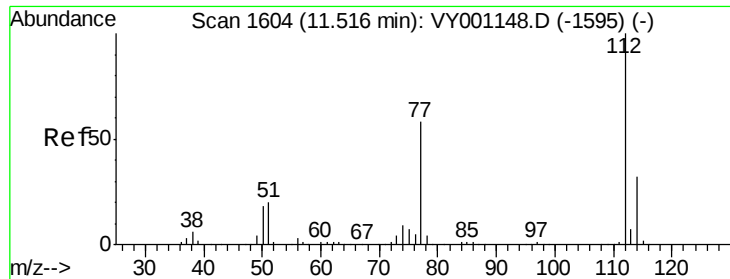
Tgt Ion:117 Resp: 320970
Ion Ratio Lower Upper
117 100
82 54.5 44.9 67.3
119 31.9 25.7 38.5



#64
Tetrachloroethene
Concen: 51.882 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VY001168.D
Acq: 13 Jan 2020 09:25

Tgt Ion:164 Resp: 107347
Ion Ratio Lower Upper
164 100
166 129.1 102.3 153.5
129 98.3 76.2 114.4
131 94.8 73.9 110.9





#65

Chlorobenzene

Concen: 52.478 ug/l

RT: 11.52 min Scan# 1604

Delta R.T. -0.00 min

Lab File: VY001168.D

Acq: 13 Jan 2020 09:25

Instrument :

MSVOA_Y

ClientSampleId :

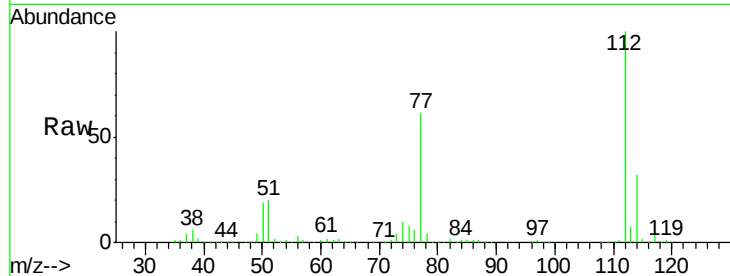
VSTDCCC050

Tgt Ion:112 Resp: 336565

Ion Ratio Lower Upper

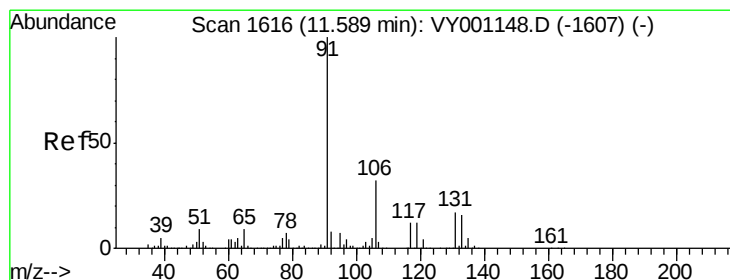
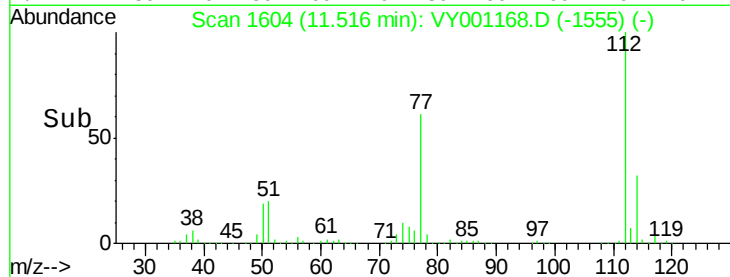
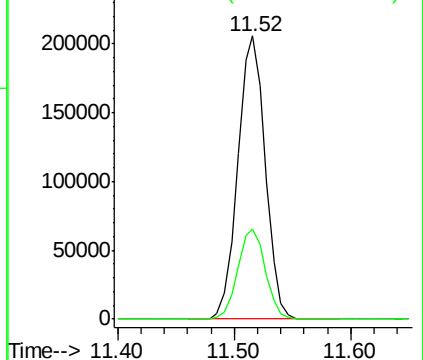
112 100

114 31.8 25.9 38.9



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: 53.596 ug/l

RT: 11.59 min Scan# 1616

Delta R.T. -0.00 min

Lab File: VY001168.D

Acq: 13 Jan 2020 09:25

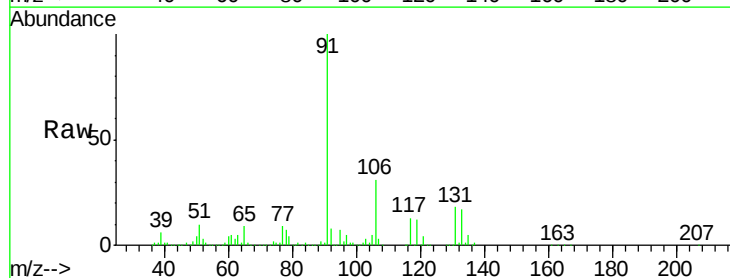
Tgt Ion:131 Resp: 118472

Ion Ratio Lower Upper

131 100

133 95.0 47.3 142.0

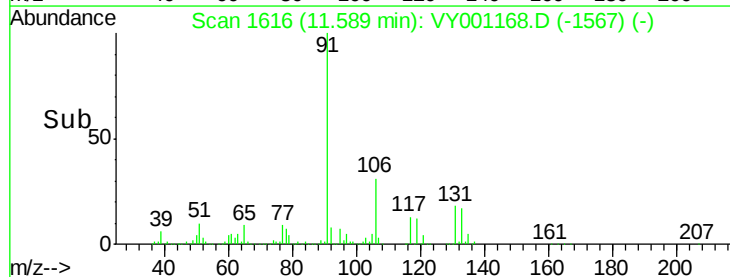
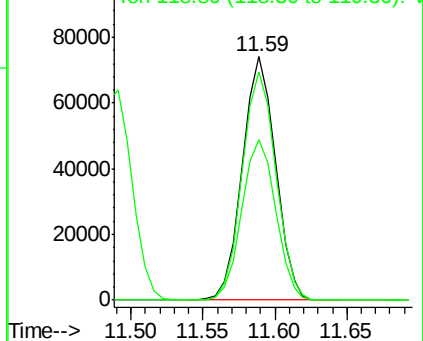
119 67.2 33.6 100.8

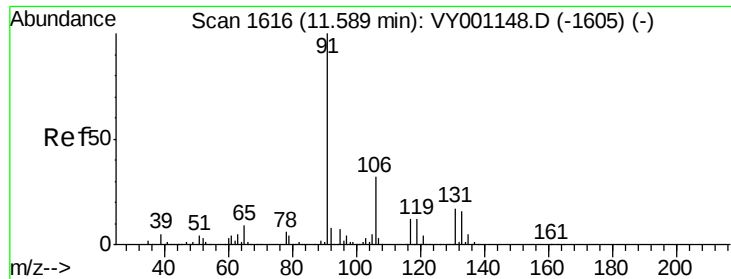


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

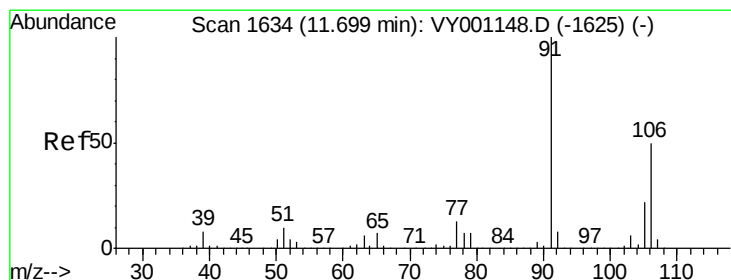
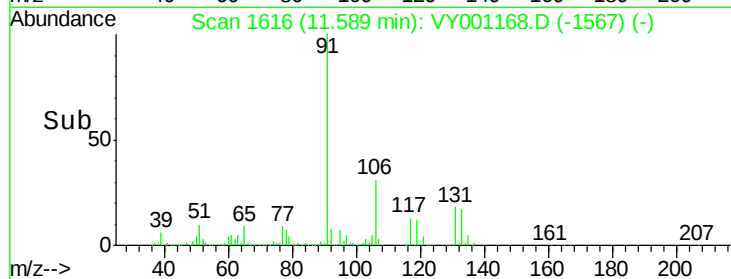
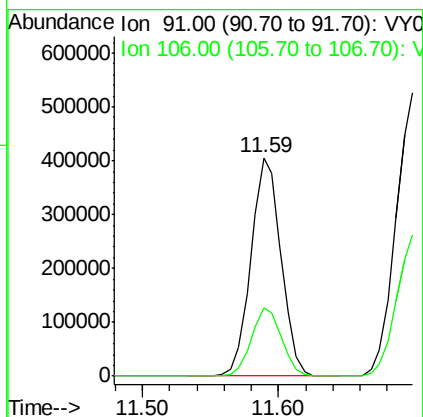
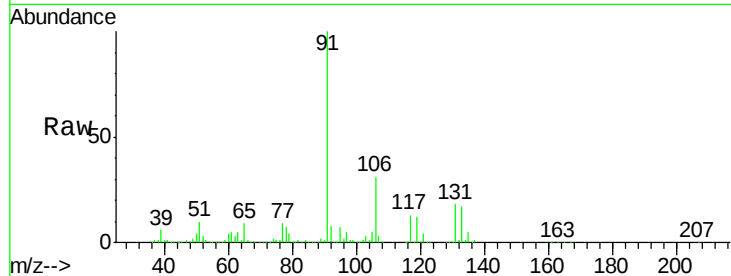




#67
Ethyl Benzene
Concen: 53.461 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. -0.00 min
Lab File: VY001168.D
Acq: 13 Jan 2020 09:25

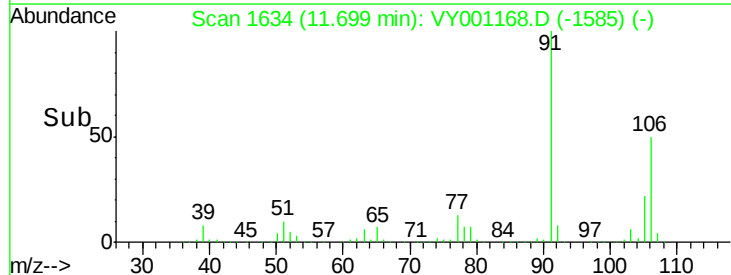
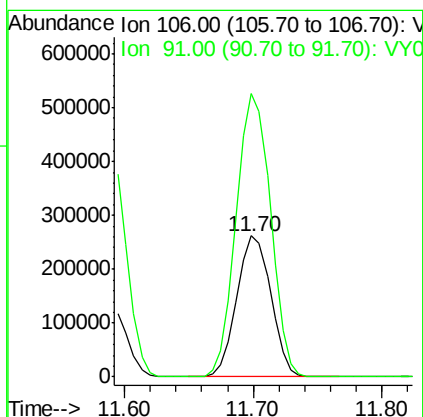
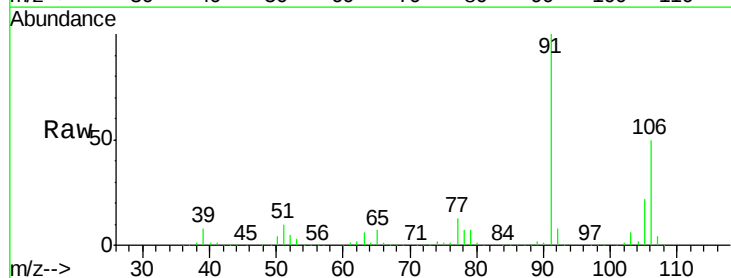
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

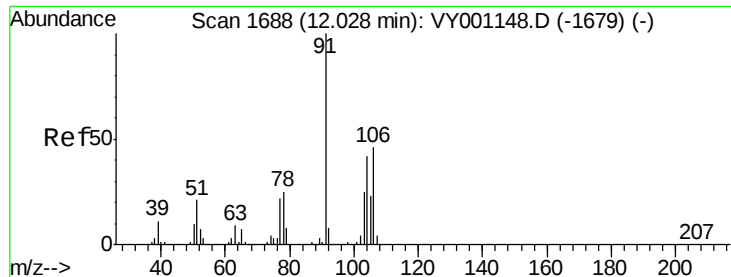
Tgt Ion: 91 Resp: 627226
Ion Ratio Lower Upper
91 100
106 31.2 25.3 37.9



#68
m/p-Xylenes
Concen: 108.929 ug/l
RT: 11.70 min Scan# 1634
Delta R.T. -0.00 min
Lab File: VY001168.D
Acq: 13 Jan 2020 09:25

Tgt Ion: 106 Resp: 482095
Ion Ratio Lower Upper
106 100
91 201.8 161.4 242.2

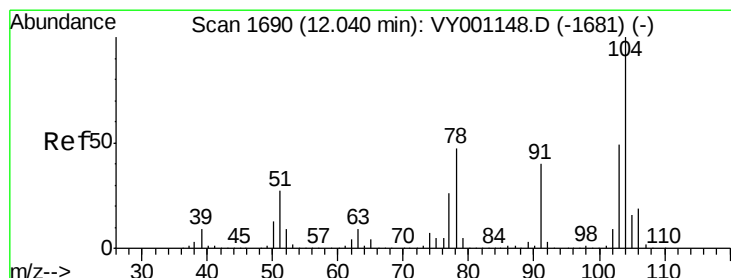
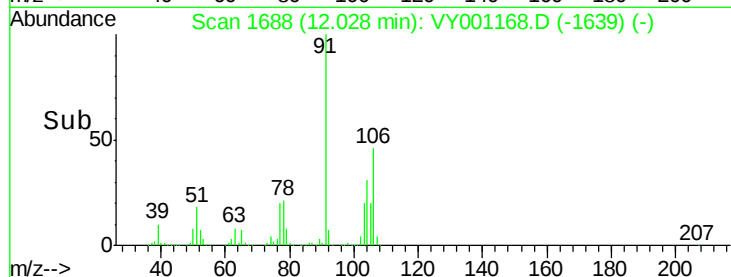
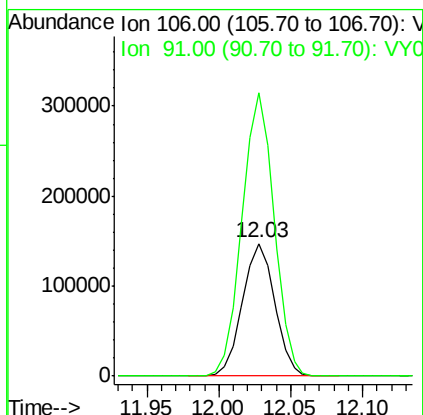
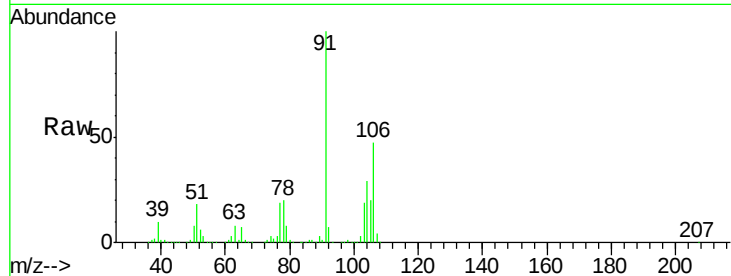




#69
o-Xylene
Concen: 54.064 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VY001168.D
Acq: 13 Jan 2020 09:25

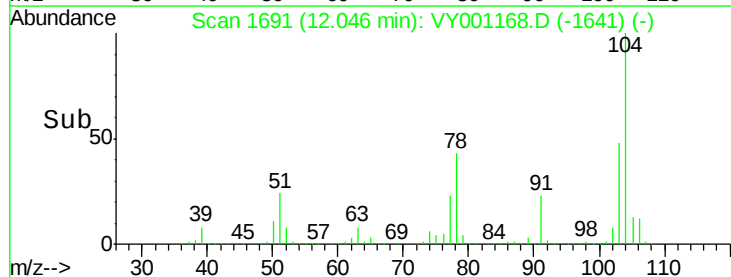
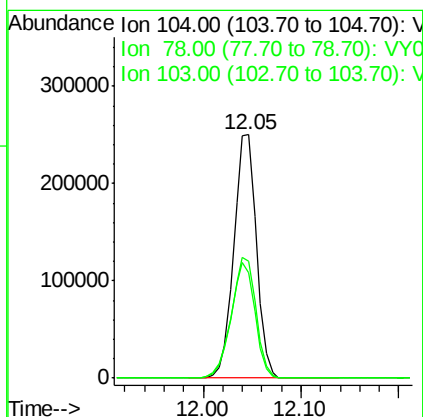
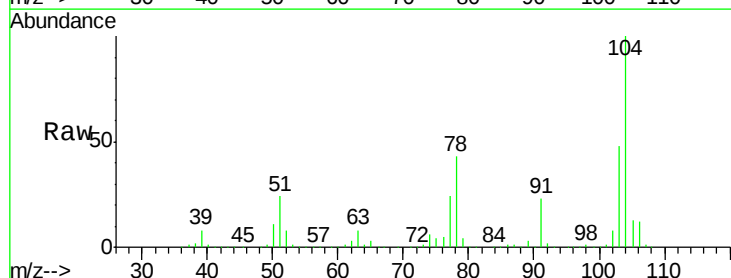
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

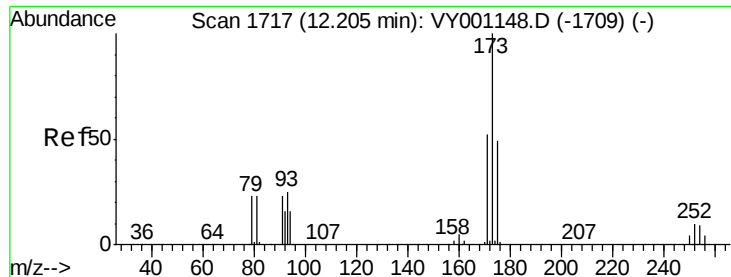
Tgt Ion:106 Resp: 229412
Ion Ratio Lower Upper
106 100
91 211.5 106.3 318.8



#70
Styrene
Concen: 53.814 ug/l
RT: 12.05 min Scan# 1691
Delta R.T. 0.01 min
Lab File: VY001168.D
Acq: 13 Jan 2020 09:25

Tgt Ion:104 Resp: 400666
Ion Ratio Lower Upper
104 100
78 50.4 40.5 60.7
103 53.6 42.4 63.6

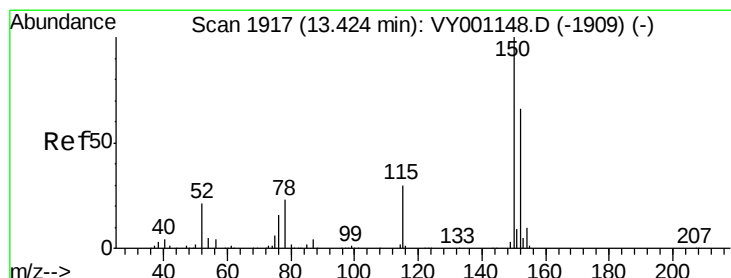
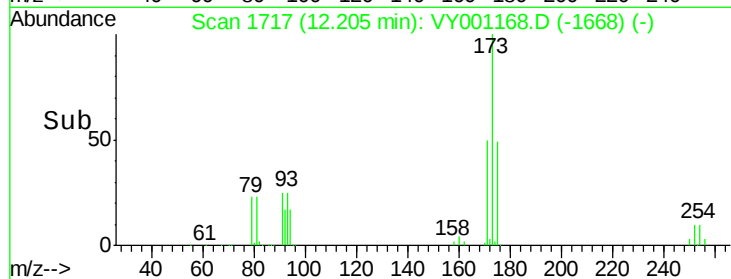
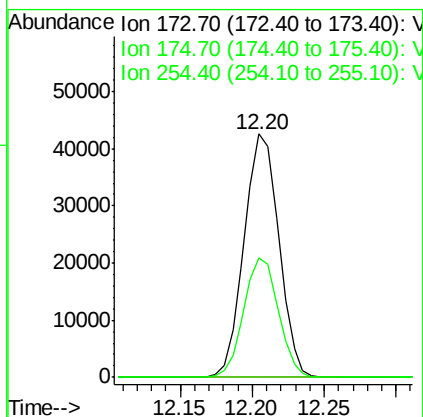
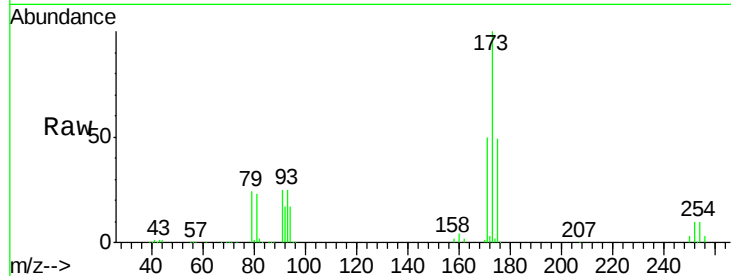




#71
Bromoform
Concen: 52.247 ug/l
RT: 12.20 min Scan# 1717
Delta R.T. -0.00 min
Lab File: VY001168.D
Acq: 13 Jan 2020 09:25

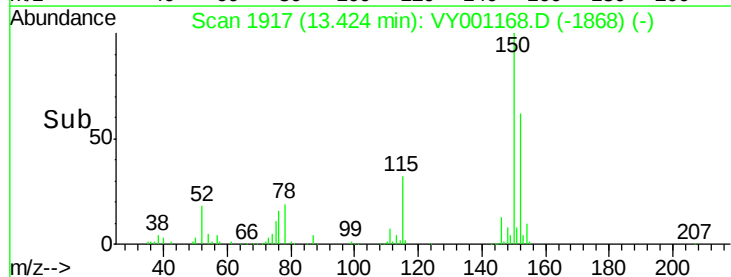
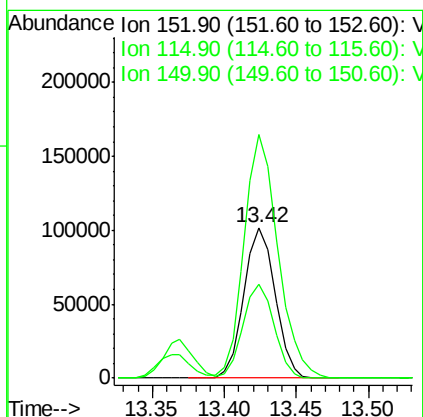
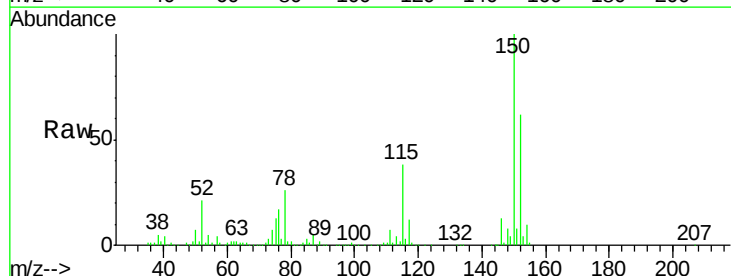
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:173 Resp: 71223
Ion Ratio Lower Upper
173 100
175 48.8 24.1 72.2
254 0.1 0.1 0.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY001168.D
Acq: 13 Jan 2020 09:25

Tgt Ion:152 Resp: 152484
Ion Ratio Lower Upper
152 100
115 62.4 30.9 92.5
150 175.6 0.0 346.8





#73

Isopropylbenzene

Concen: 53.621 ug/l

RT: 12.33 min Scan# 1737

Delta R.T. -0.00 min

Lab File: VY001168.D

Acq: 13 Jan 2020 09:25

Instrument :

MSVOA_Y

ClientSampleId :

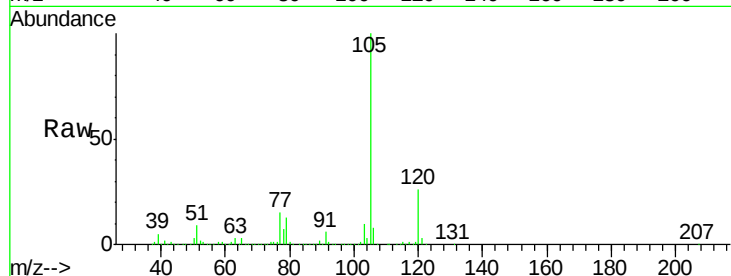
VSTDCCC050

Tgt Ion:105 Resp: 614681

Ion Ratio Lower Upper

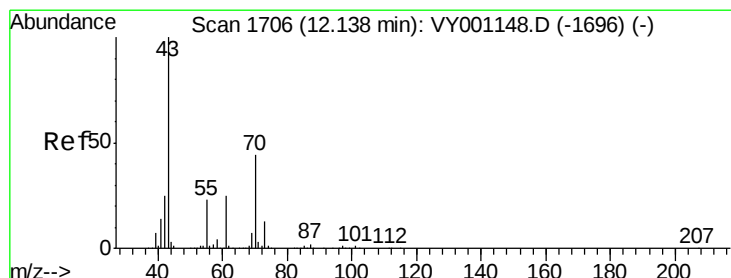
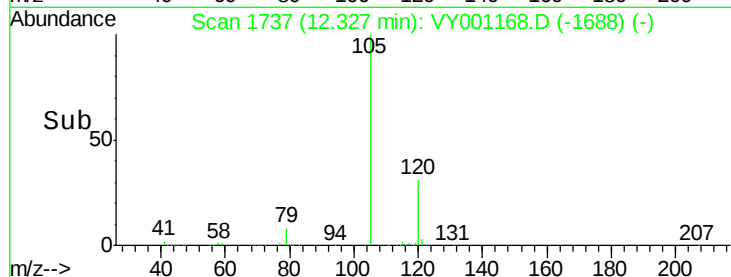
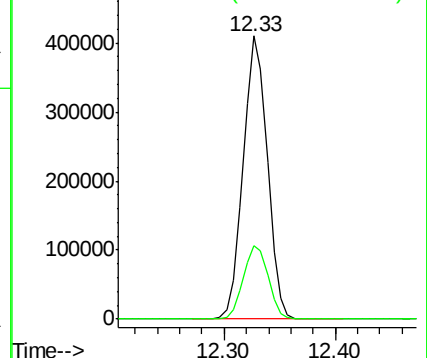
105 100

120 26.7 13.4 40.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 50.070 ug/l

RT: 12.14 min Scan# 1707

Delta R.T. 0.01 min

Lab File: VY001168.D

Acq: 13 Jan 2020 09:25

Tgt Ion: 43 Resp: 179124

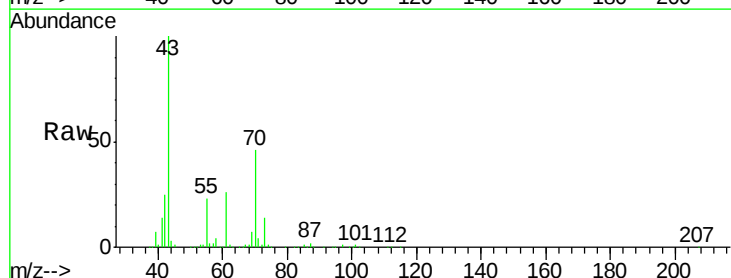
Ion Ratio Lower Upper

43 100

70 45.1 35.0 52.6

55 23.6 18.4 27.6

61 26.0 20.1 30.1

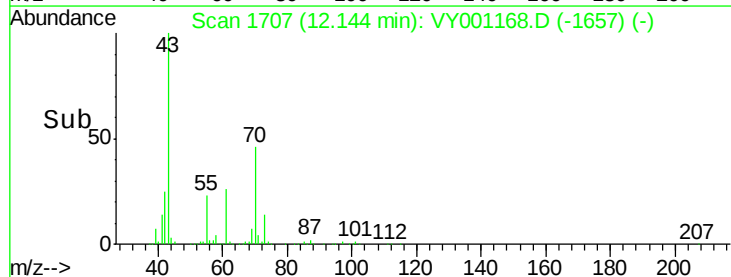
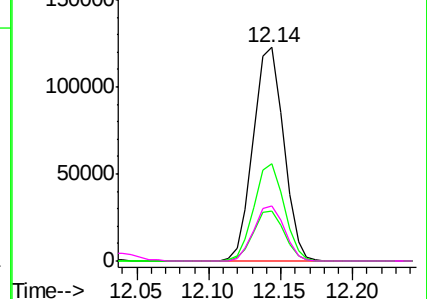


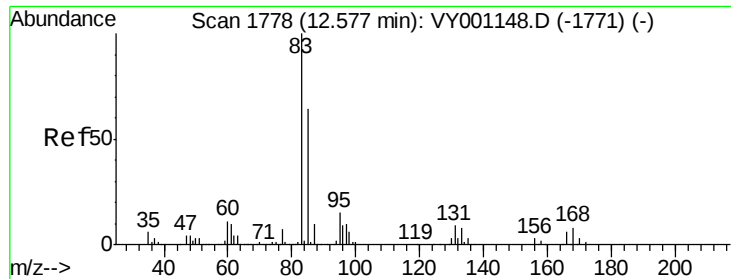
Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 70.00 (69.70 to 70.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 61.00 (60.70 to 61.70): VY0





#75

1,1,2,2-Tetrachloroethane

Concen: 50.384 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. 0.01 min

Lab File: VY001168.D

Acq: 13 Jan 2020 09:25

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

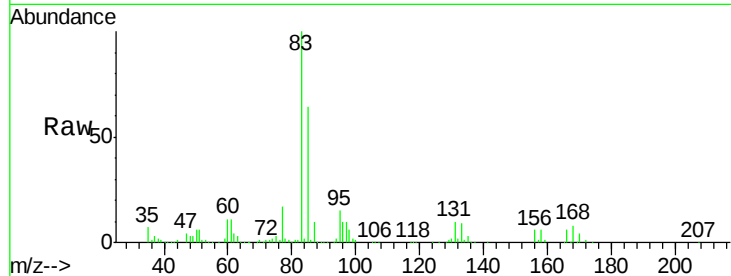
Tgt Ion: 83 Resp: 121516

Ion Ratio Lower Upper

83 100

131 10.2 5.1 15.3

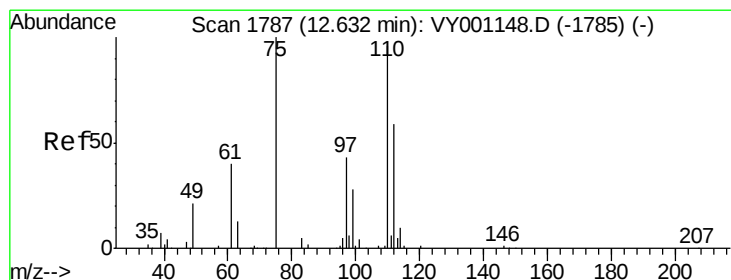
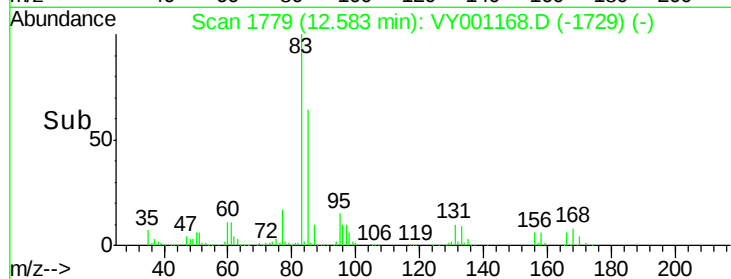
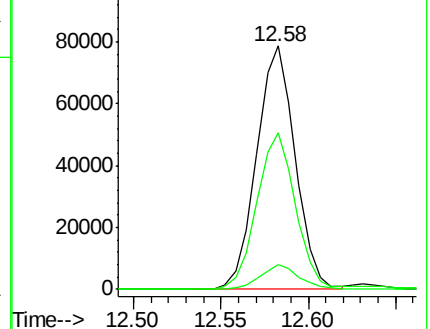
85 64.2 32.2 96.6



Abundance Ion 82.90 (82.60 to 83.60): VY0

Ion 130.80 (130.50 to 131.50): VY0

Ion 84.90 (84.60 to 85.60): VY0



#76

1,2,3-Trichloropropane

Concen: 100.246 ug/l

RT: 12.63 min Scan# 1787

Delta R.T. -0.00 min

Lab File: VY001168.D

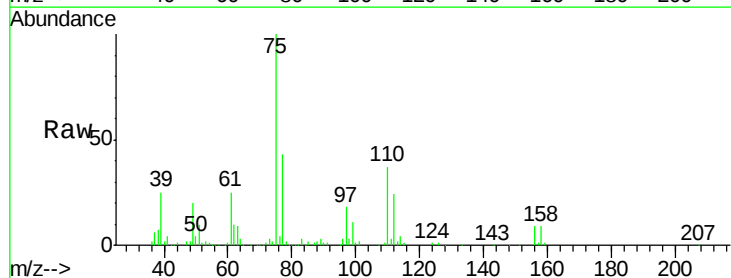
Acq: 13 Jan 2020 09:25

Tgt Ion: 75 Resp: 163637

Ion Ratio Lower Upper

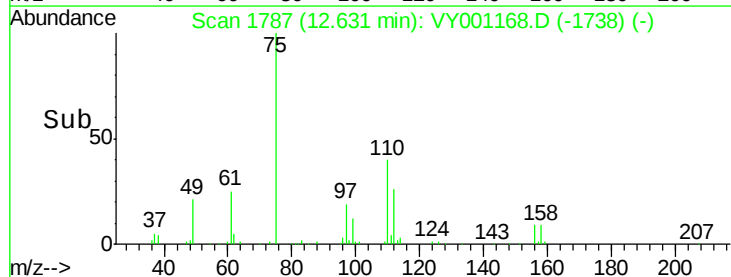
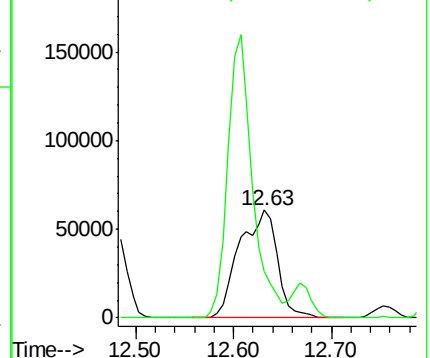
75 100

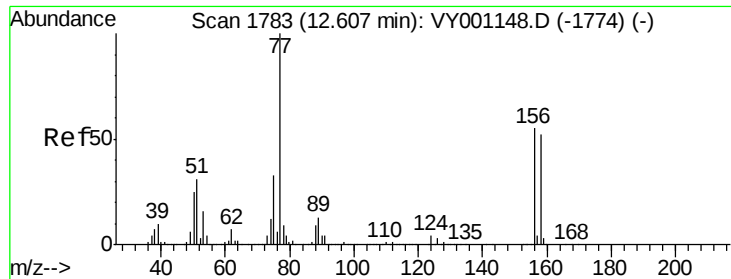
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0





#77

Bromobenzene

Concen: 52.294 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VY001168.D

Acq: 13 Jan 2020 09:25

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

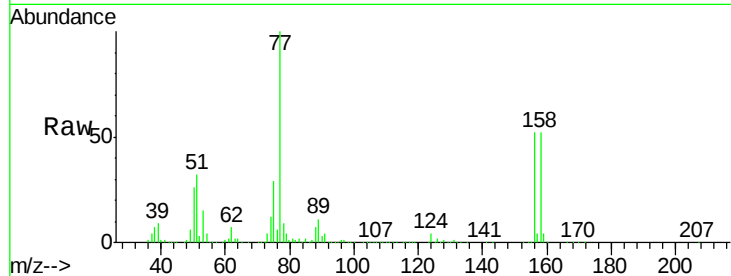
Tgt Ion:156 Resp: 132461

Ion Ratio Lower Upper

156 100

77 211.6 106.7 320.1

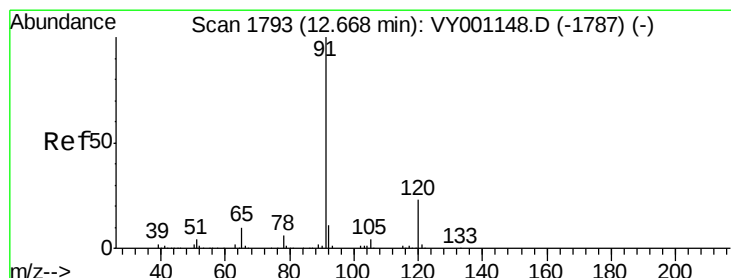
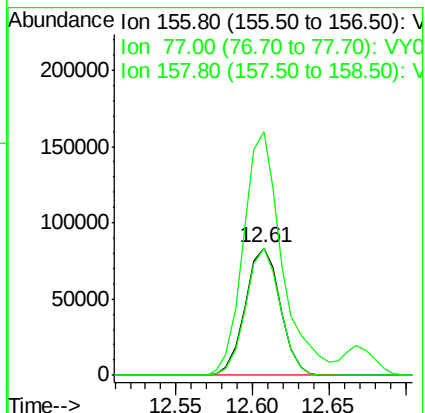
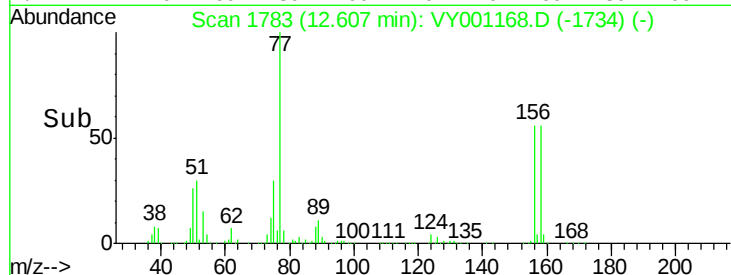
158 98.0 48.3 144.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 53.556 ug/l

RT: 12.67 min Scan# 1793

Delta R.T. -0.00 min

Lab File: VY001168.D

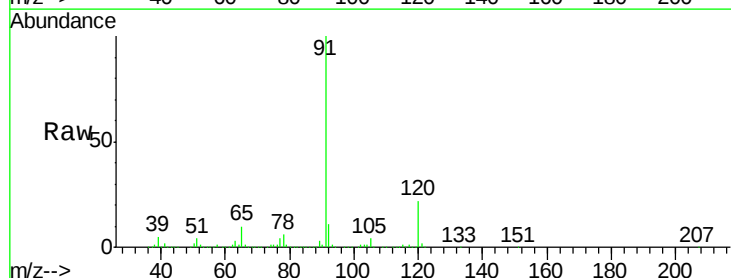
Acq: 13 Jan 2020 09:25

Tgt Ion: 91 Resp: 738462

Ion Ratio Lower Upper

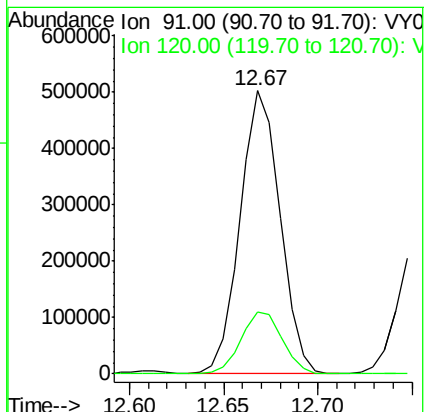
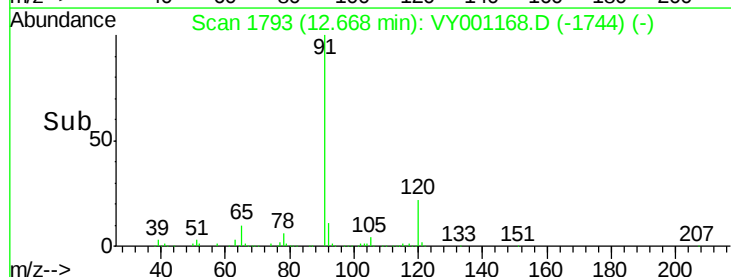
91 100

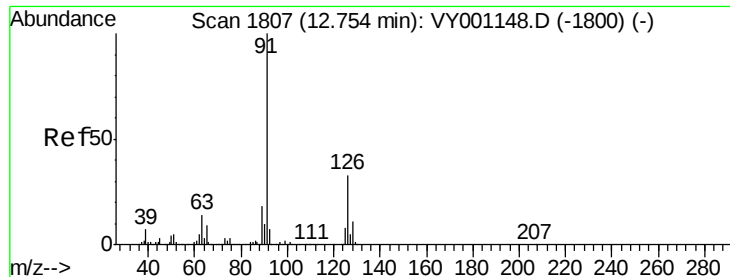
120 22.7 11.5 34.4



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 53.293 ug/l

RT: 12.75 min Scan# 1807

Delta R.T. -0.00 min

Lab File: VY001168.D

Acq: 13 Jan 2020 09:25

Instrument :

MSVOA_Y

ClientSampleId :

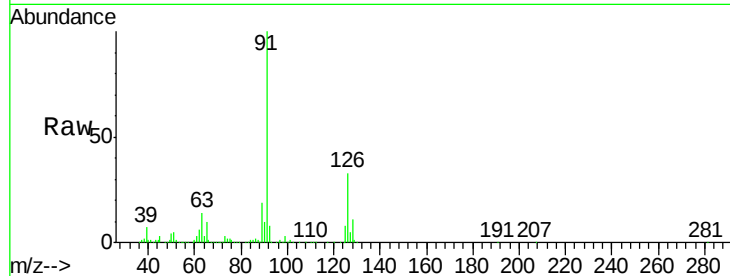
VSTDCCC050

Tgt Ion: 91 Resp: 422018

Ion Ratio Lower Upper

91 100

126 33.2 16.4 49.4



Abundance Ion 91.00 (90.70 to 91.70): VY001148.D (-1800) (-)

Ion 125.90 (125.60 to 126.60): VY001148.D (-1800) (-)

500000

400000

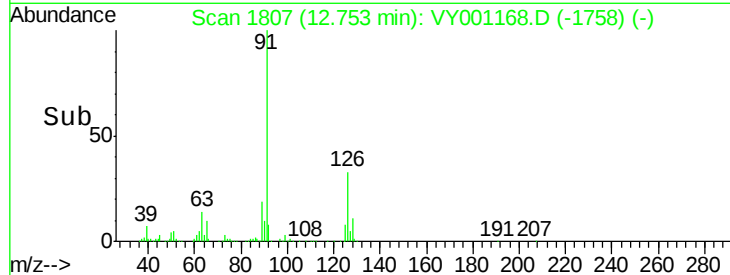
300000

200000

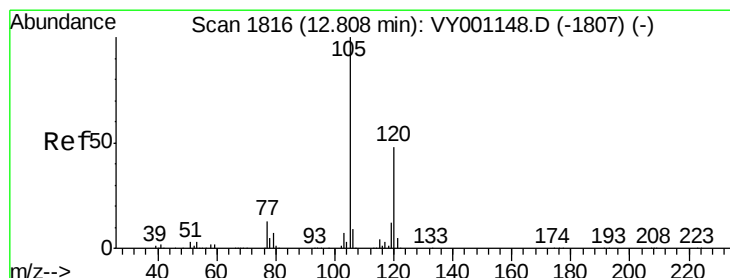
100000

0

12.70 12.75 12.80



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 53.608 ug/l

RT: 12.81 min Scan# 1816

Delta R.T. -0.00 min

Lab File: VY001168.D

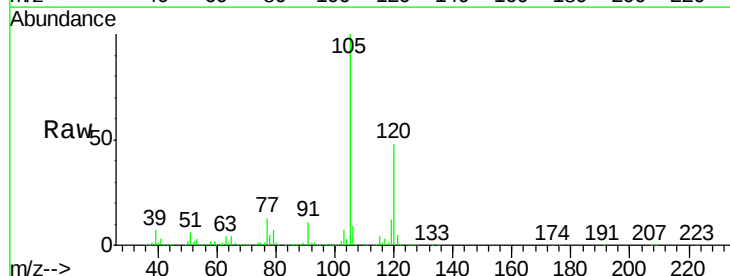
Acq: 13 Jan 2020 09:25

Tgt Ion: 105 Resp: 512745

Ion Ratio Lower Upper

105 100

120 49.1 24.2 72.6



Abundance Ion 105.00 (104.70 to 105.70): VY001148.D (-1807) (-)

Ion 120.00 (119.70 to 120.70): VY001148.D (-1807) (-)

400000

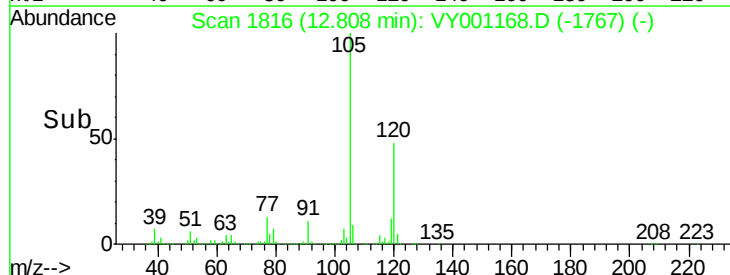
300000

200000

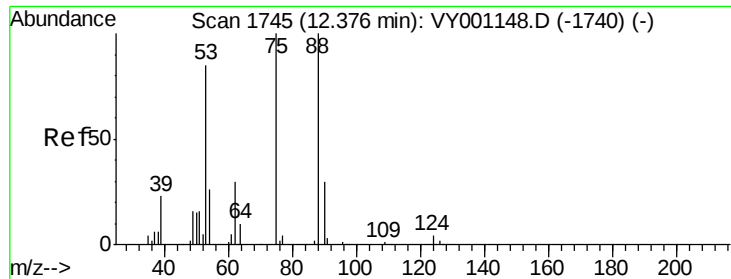
100000

0

12.70 12.80



Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 50.809 ug/l

RT: 12.38 min Scan# 1745

Delta R.T. -0.00 min

Lab File: VY001168.D

Acq: 13 Jan 2020 09:25

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

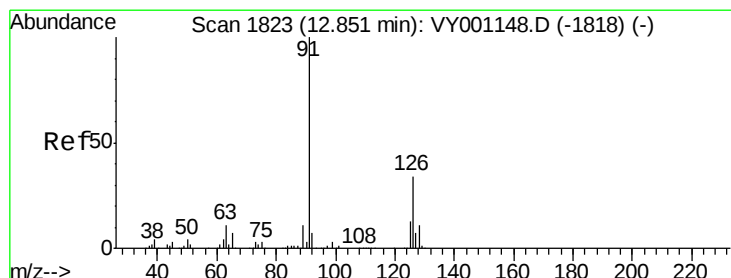
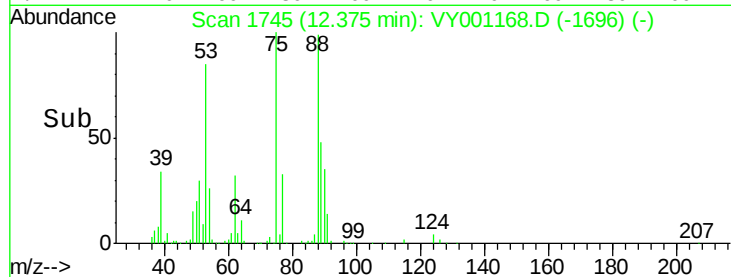
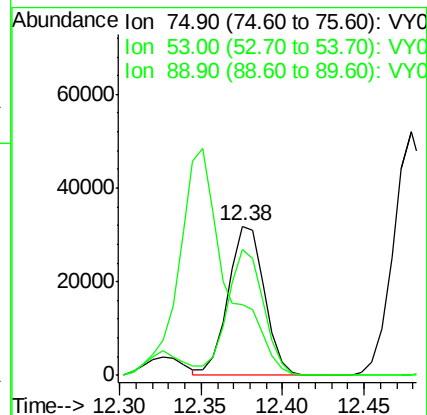
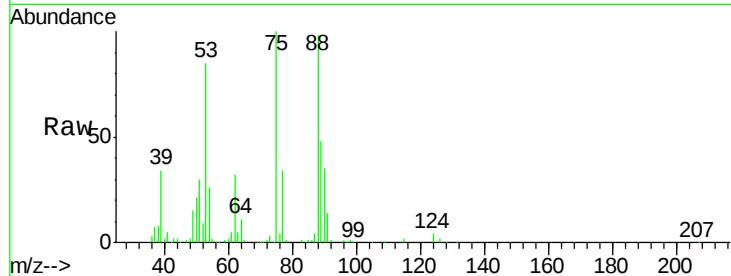
Tgt Ion: 75 Resp: 48909

Ion Ratio Lower Upper

75 100

53 83.8 69.4 104.2

89 0.0 0.0 0.0



#82

4-Chlorotoluene

Concen: 53.773 ug/l

RT: 12.85 min Scan# 1823

Delta R.T. -0.00 min

Lab File: VY001168.D

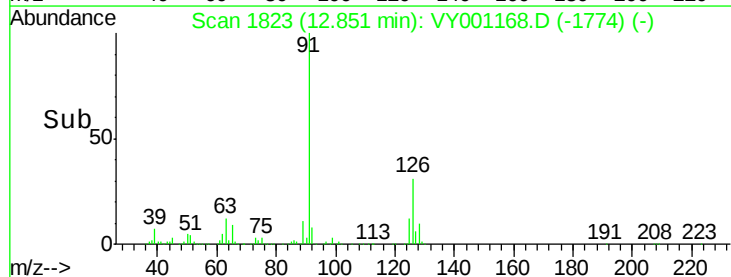
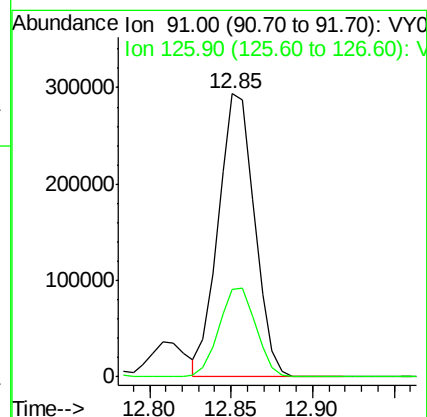
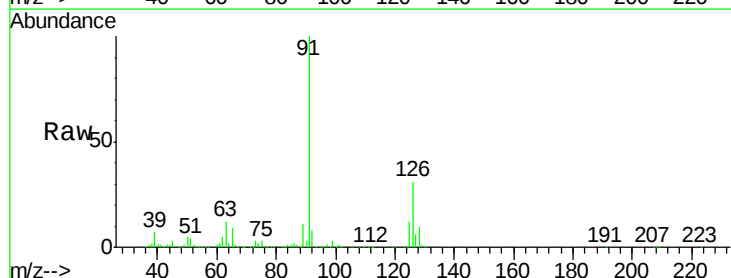
Acq: 13 Jan 2020 09:25

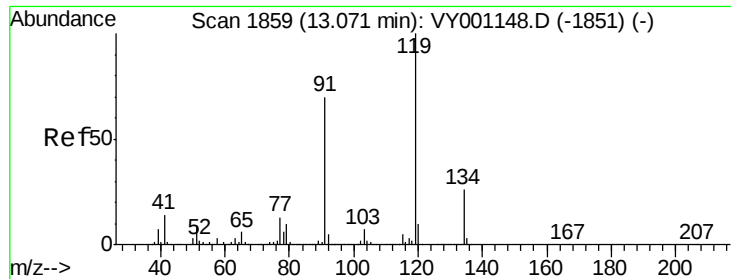
Tgt Ion: 91 Resp: 454590

Ion Ratio Lower Upper

91 100

126 32.2 16.3 48.8

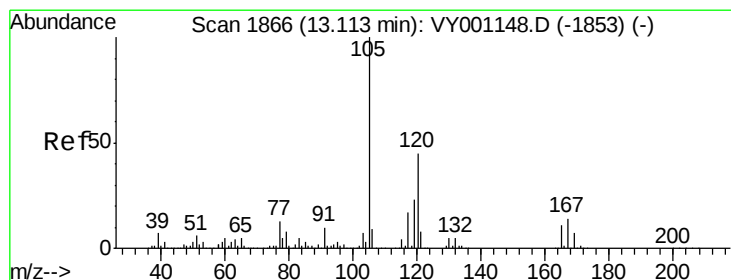
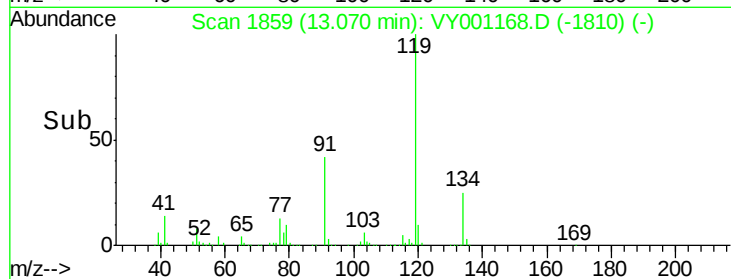
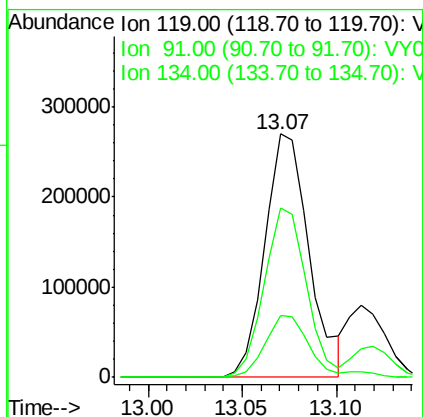
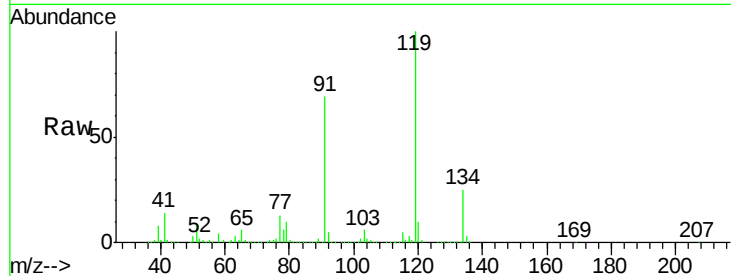




#83
 tert-Butylbenzene
 Concen: 54.860 ug/l
 RT: 13.07 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VY001168.D
 Acq: 13 Jan 2020 09:25

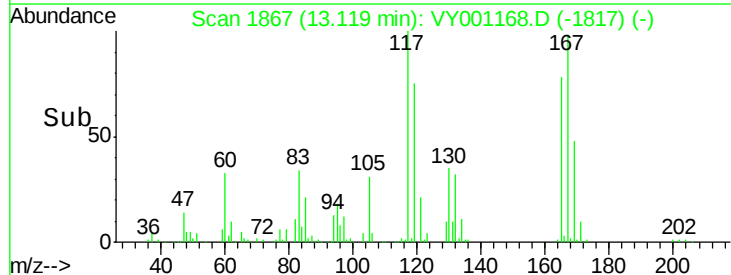
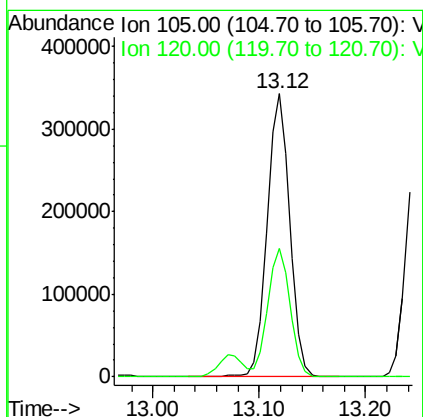
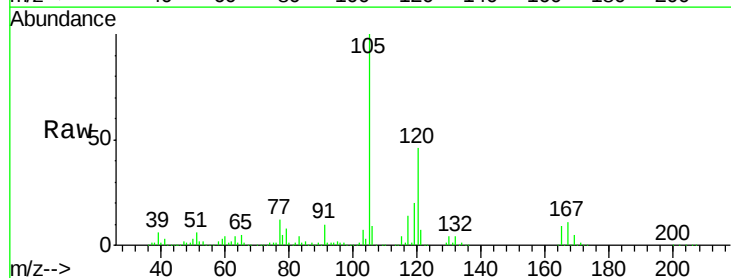
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

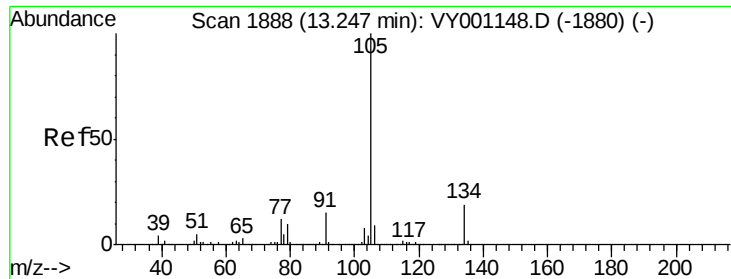
Tgt Ion:119 Resp: 440909
 Ion Ratio Lower Upper
 119 100
 91 66.0 33.9 101.7
 134 26.0 13.5 40.4



#84
 1,2,4-Trimethylbenzene
 Concen: 53.626 ug/l
 RT: 13.12 min Scan# 1867
 Delta R.T. 0.01 min
 Lab File: VY001168.D
 Acq: 13 Jan 2020 09:25

Tgt Ion:105 Resp: 509365
 Ion Ratio Lower Upper
 105 100
 120 45.5 22.8 68.3

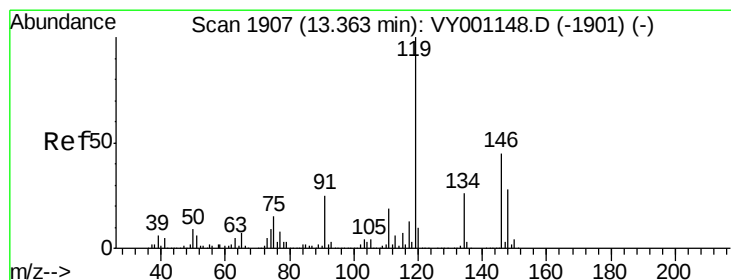
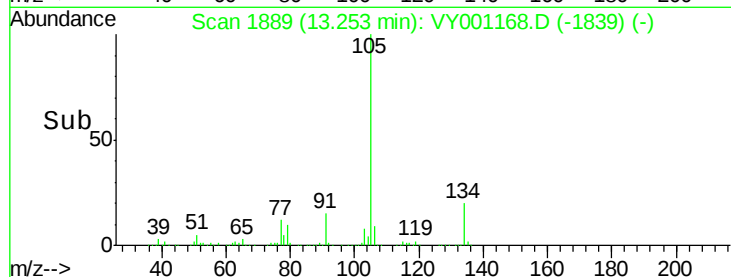
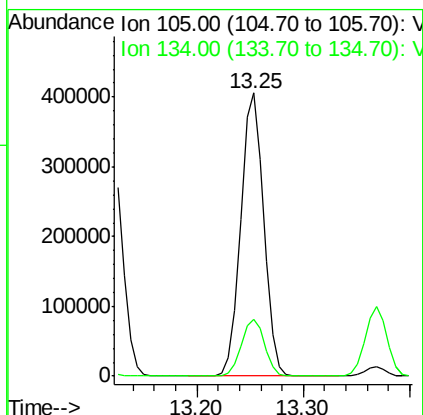
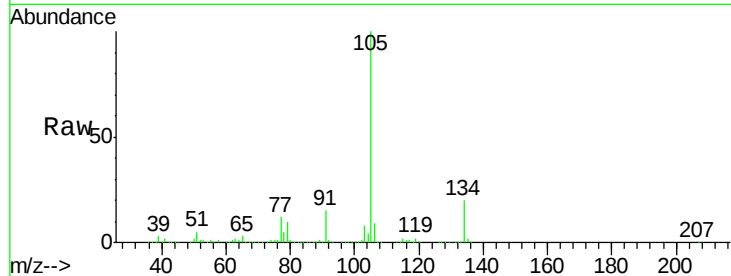




#85
 sec-Butylbenzene
 Concen: 53.117 ug/l
 RT: 13.25 min Scan# 1889
 Delta R.T. 0.01 min
 Lab File: VY001168.D
 Acq: 13 Jan 2020 09:25

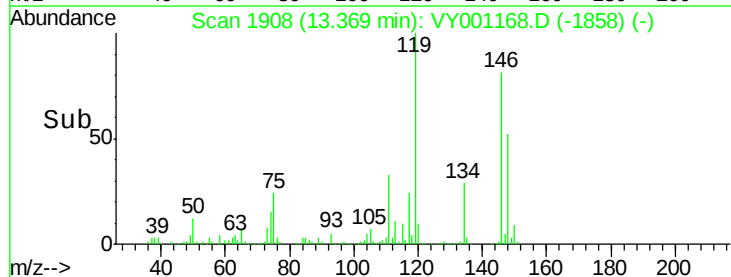
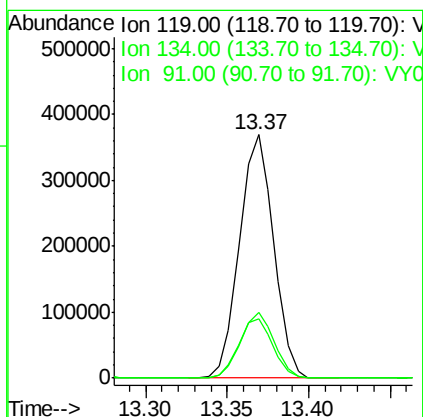
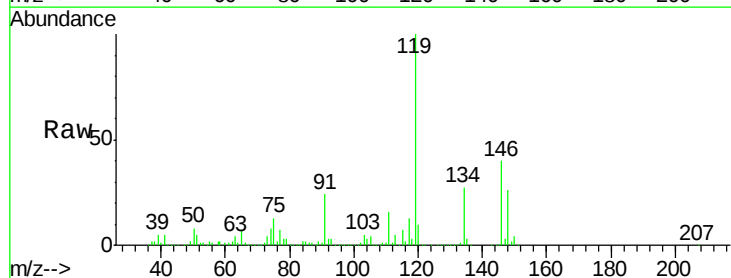
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

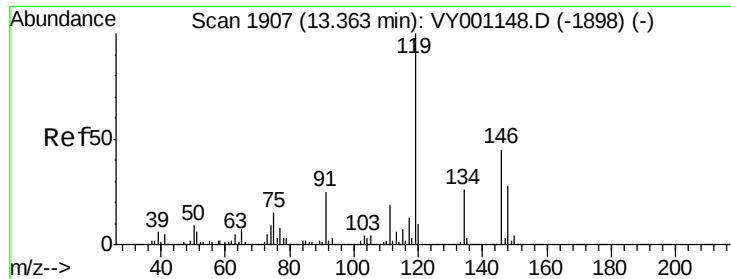
Tgt Ion:105 Resp: 614141
 Ion Ratio Lower Upper
 105 100
 134 20.3 9.8 29.5



#86
 p-Isopropyltoluene
 Concen: 53.629 ug/l
 RT: 13.37 min Scan# 1908
 Delta R.T. 0.01 min
 Lab File: VY001168.D
 Acq: 13 Jan 2020 09:25

Tgt Ion:119 Resp: 538357
 Ion Ratio Lower Upper
 119 100
 134 26.5 13.4 40.2
 91 24.5 12.4 37.2

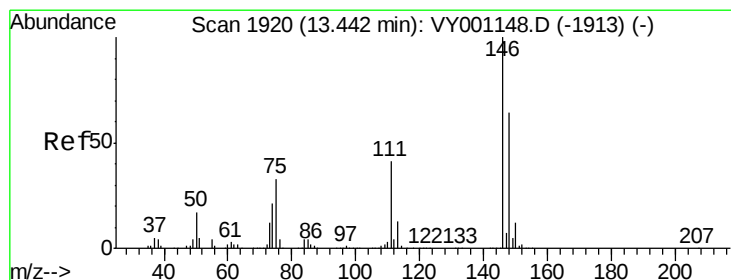
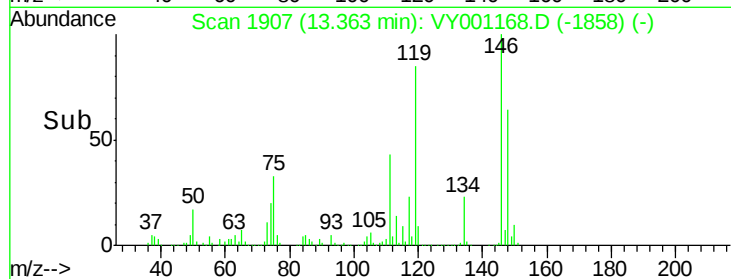
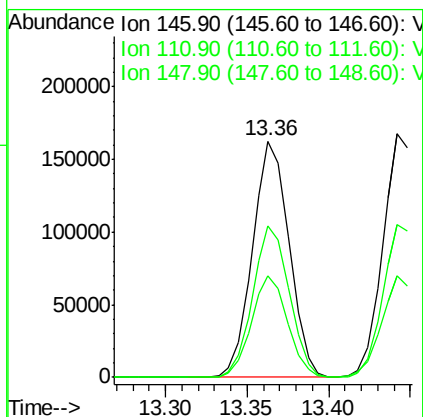
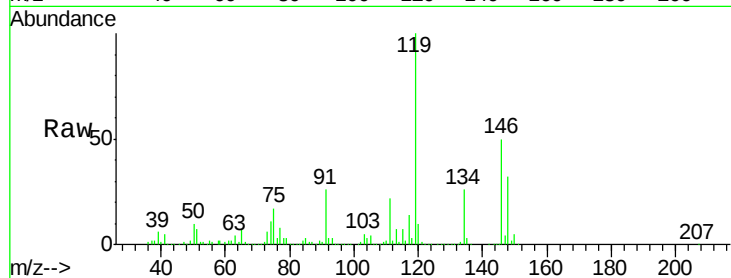




#87
 1,3-Dichlorobenzene
 Concen: 52.869 ug/l
 RT: 13.36 min Scan# 1907
 Delta R.T. -0.00 min
 Lab File: VY001168.D
 Acq: 13 Jan 2020 09:25

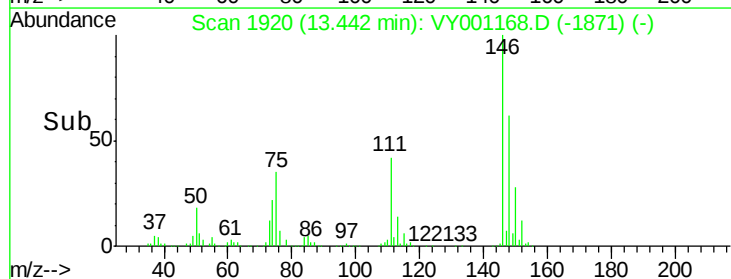
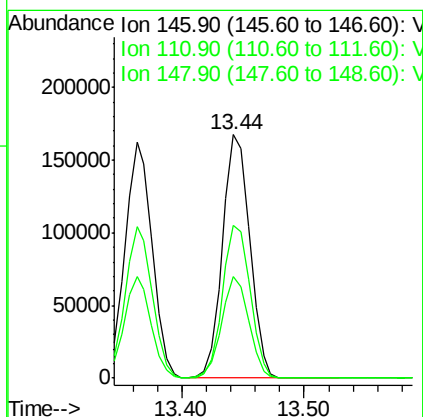
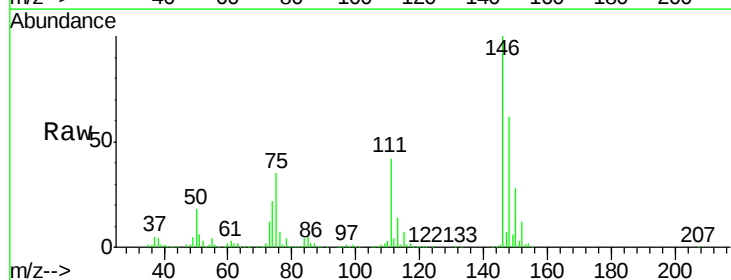
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

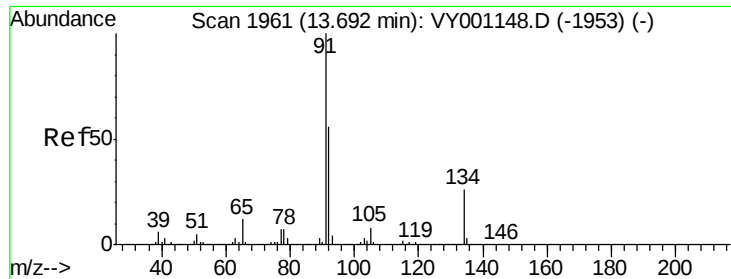
Tgt Ion:146 Resp: 253262
 Ion Ratio Lower Upper
 146 100
 111 42.3 21.3 64.0
 148 64.0 31.9 95.5



#88
 1,4-Dichlorobenzene
 Concen: 52.705 ug/l
 RT: 13.44 min Scan# 1920
 Delta R.T. -0.00 min
 Lab File: VY001168.D
 Acq: 13 Jan 2020 09:25

Tgt Ion:146 Resp: 259847
 Ion Ratio Lower Upper
 146 100
 111 41.2 20.8 62.5
 148 63.2 32.0 96.2





#89

n-Butylbenzene

Concen: 52.656 ug/l

RT: 13.69 min Scan# 1961

Delta R.T. -0.00 min

Lab File: VY001168.D

Acq: 13 Jan 2020 09:25

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

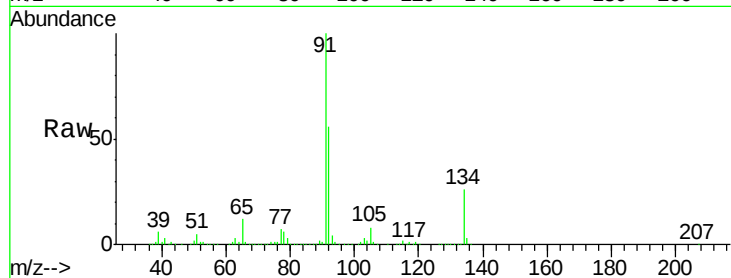
Tgt Ion: 91 Resp: 532387

Ion Ratio Lower Upper

91 100

92 55.6 27.7 83.1

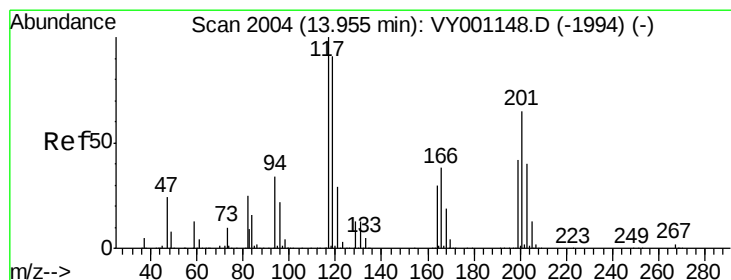
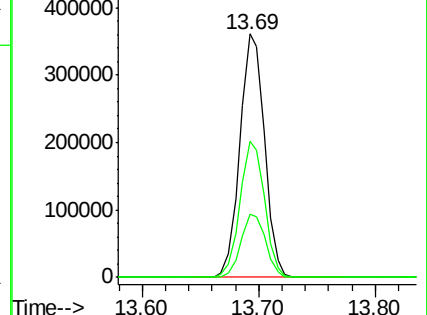
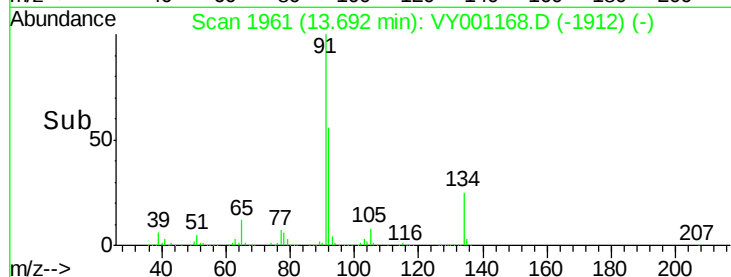
134 26.0 12.9 38.6



Abundance Ion 91.00 (90.70 to 91.70): VY001148.D (-1953) (-)

Ion 92.00 (91.70 to 92.70): VY001148.D (-1953) (-)

Ion 134.00 (133.70 to 134.70): VY001148.D (-1953) (-)



#90

Hexachloroethane

Concen: 52.570 ug/l

RT: 13.96 min Scan# 2005

Delta R.T. 0.01 min

Lab File: VY001168.D

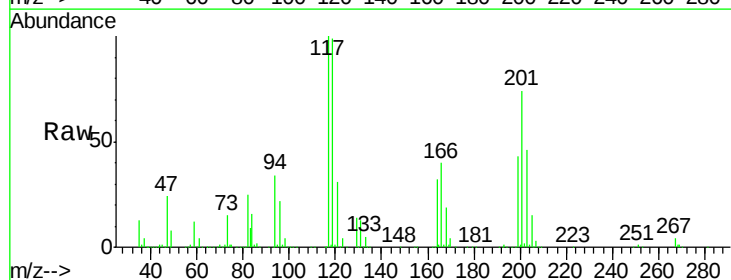
Acq: 13 Jan 2020 09:25

Tgt Ion: 117 Resp: 103116

Ion Ratio Lower Upper

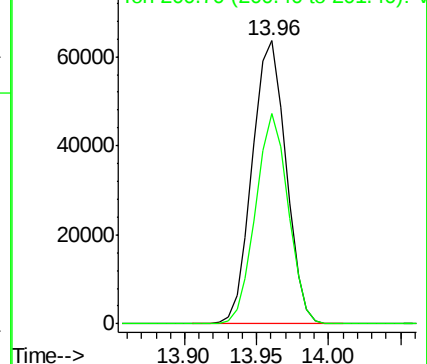
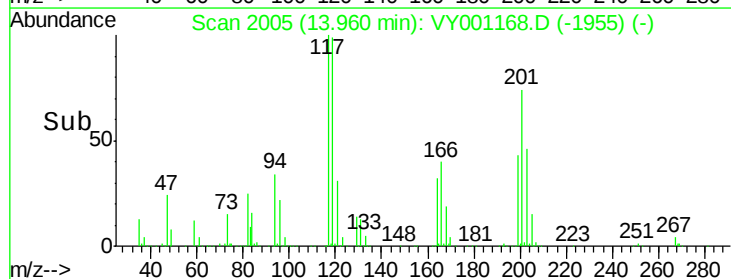
117 100

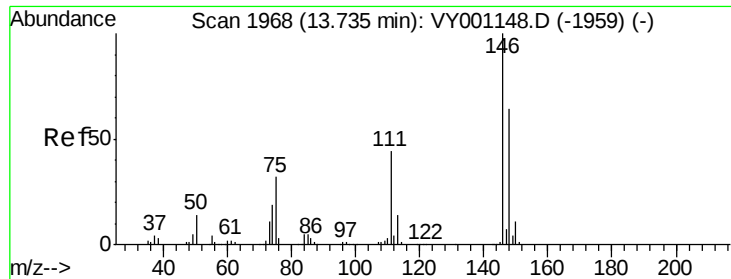
201 71.6 35.4 106.2



Abundance Ion 116.80 (116.50 to 117.50): VY001148.D (-1994) (-)

Ion 200.70 (200.40 to 201.40): VY001148.D (-1994) (-)

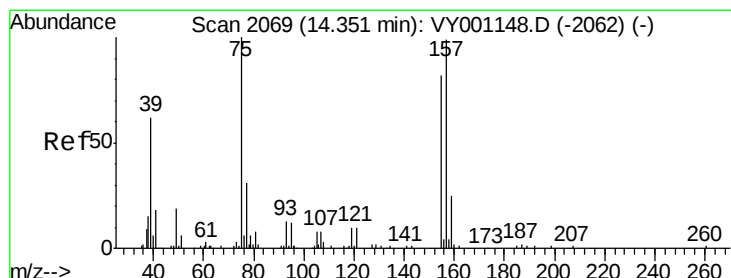
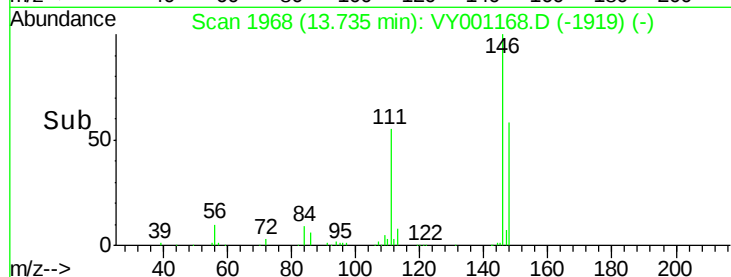
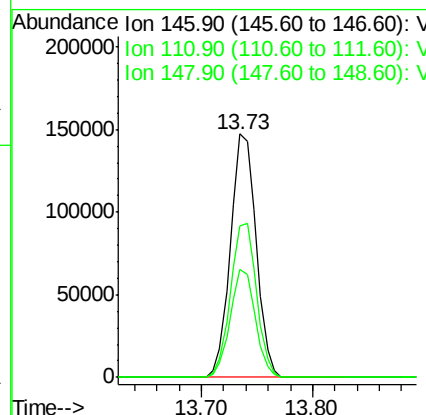
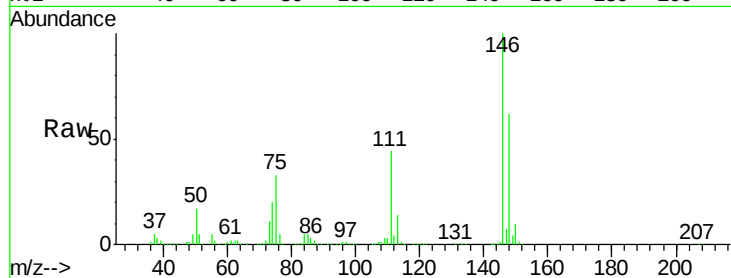




#91
 1,2-Dichlorobenzene
 Concen: 52.739 ug/l
 RT: 13.73 min Scan# 1968
 Delta R.T. -0.00 min
 Lab File: VY001168.D
 Acq: 13 Jan 2020 09:25

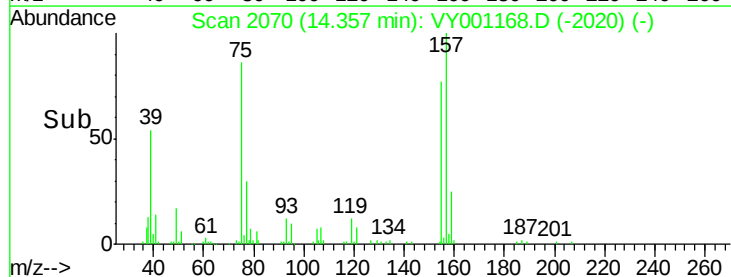
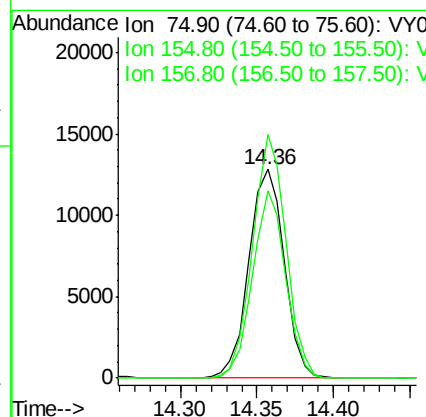
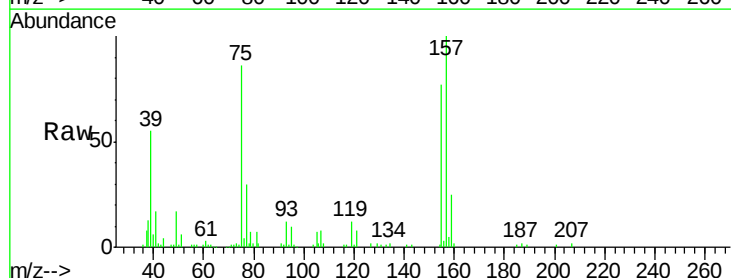
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

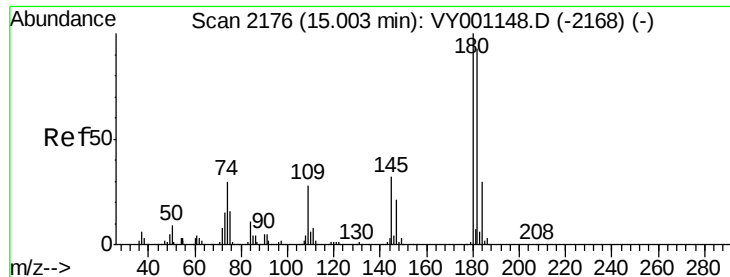
Tgt Ion:146 Resp: 234799
 Ion Ratio Lower Upper
 146 100
 111 43.4 22.0 66.0
 148 64.2 32.1 96.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.504 ug/l
 RT: 14.36 min Scan# 2070
 Delta R.T. 0.01 min
 Lab File: VY001168.D
 Acq: 13 Jan 2020 09:25

Tgt Ion: 75 Resp: 20667
 Ion Ratio Lower Upper
 75 100
 155 83.6 41.2 123.6
 157 109.7 52.8 158.4

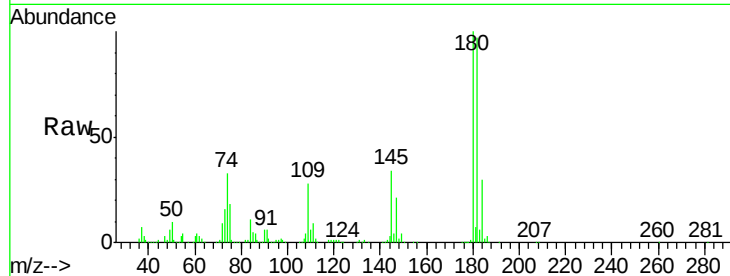




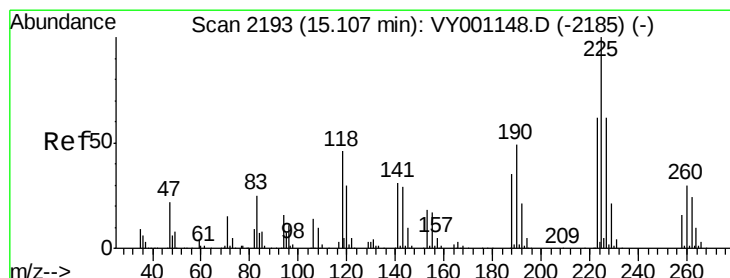
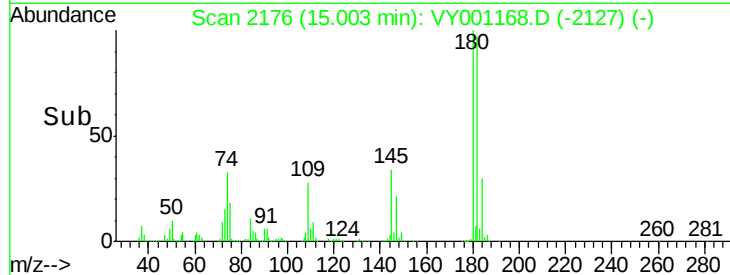
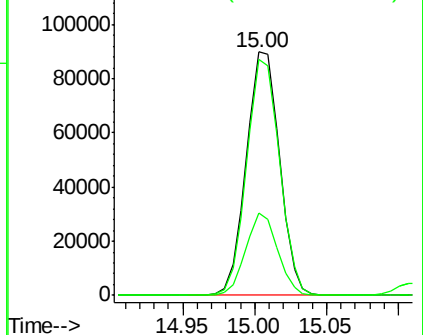
#93
 1,2,4-Trichlorobenzene
 Concen: 48.923 ug/l
 RT: 15.00 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VY001168.D
 Acq: 13 Jan 2020 09:25

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tgt Ion:180 Resp: 143505
 Ion Ratio Lower Upper
 180 100
 182 95.7 46.9 140.8
 145 32.2 16.0 48.0

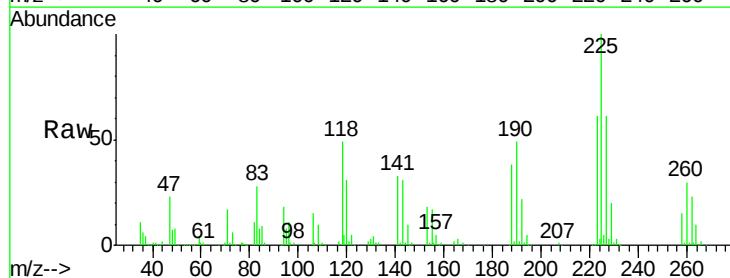


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

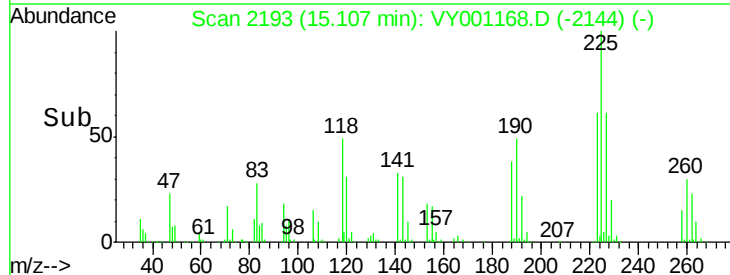
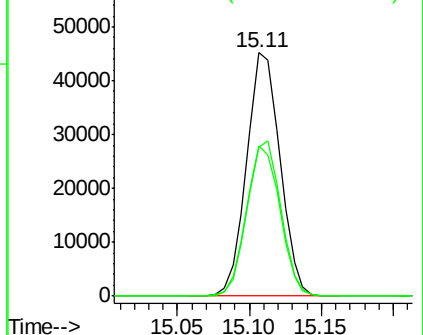


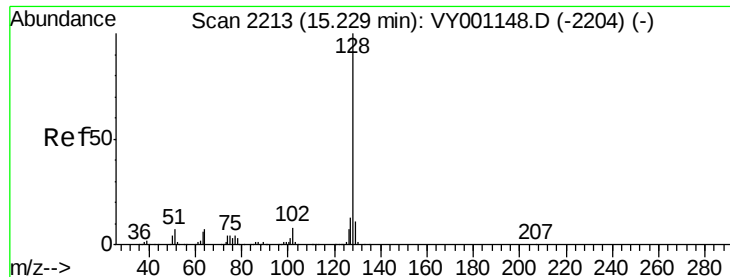
#94
 Hexachlorobutadiene
 Concen: 49.081 ug/l
 RT: 15.11 min Scan# 2193
 Delta R.T. -0.00 min
 Lab File: VY001168.D
 Acq: 13 Jan 2020 09:25

Tgt Ion:225 Resp: 72530
 Ion Ratio Lower Upper
 225 100
 223 62.0 31.1 93.3
 227 63.9 31.3 93.9



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

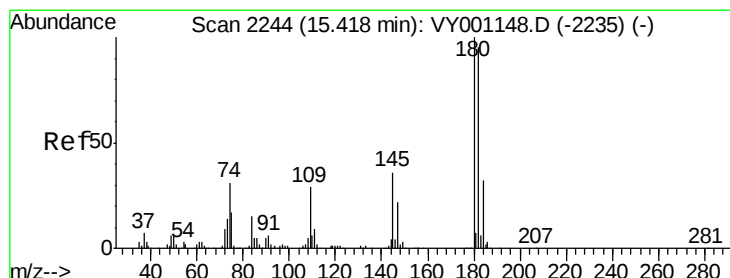
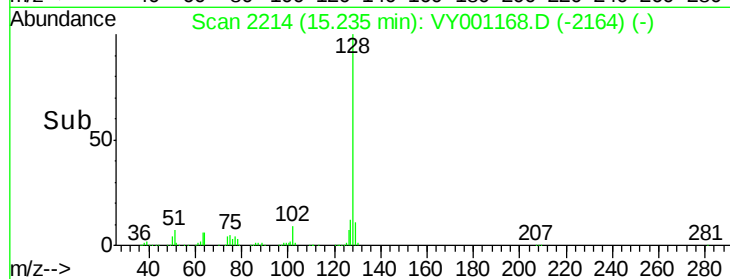
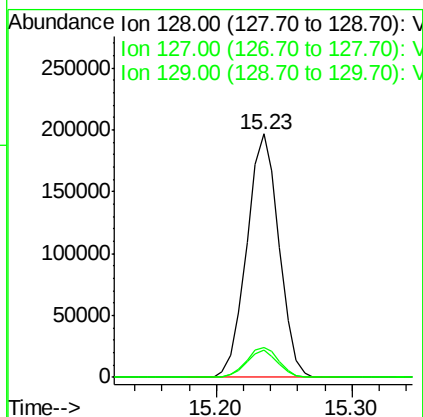
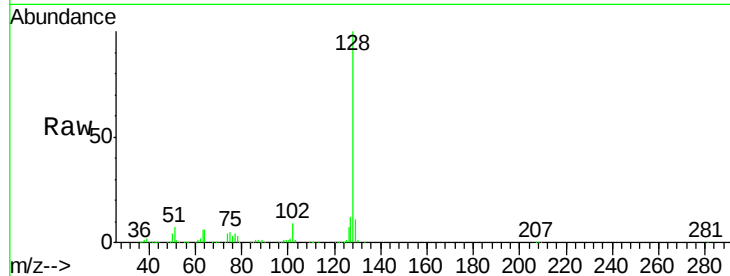




#95
Naphthalene
Concen: 47.537 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. 0.01 min
Lab File: VY001168.D
Acq: 13 Jan 2020 09:25

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 324627
Ion Ratio Lower Upper
128 100
127 12.5 10.2 15.4
129 10.7 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 48.553 ug/l
RT: 15.42 min Scan# 2245
Delta R.T. 0.01 min
Lab File: VY001168.D
Acq: 13 Jan 2020 09:25

Tgt Ion:180 Resp: 125519
Ion Ratio Lower Upper
180 100
182 94.5 47.5 142.5
145 34.2 17.1 51.3

