

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY011320\
 Data File : VY001188.D
 Acq On : 13 Jan 2020 18:21
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jan 14 10:14:12 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	180261	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	321568	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	290439	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	139592	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	103298	54.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.52%	
35) Dibromofluoromethane	7.73	113	96867	51.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.90%	
50) Toluene-d8	10.18	98	397178	54.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.50%	
62) 4-Bromofluorobenzene	12.48	95	153080	51.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.22%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.90	85	71401	51.576	ug/l 98
3) Chloromethane	2.12	50	100839	50.534	ug/l 100
4) Vinyl Chloride	2.25	62	107345	53.397	ug/l 98
5) Bromomethane	2.65	94	72097	66.766	ug/l 96
6) Chloroethane	2.80	64	68827	59.261	ug/l 99
7) Trichlorofluoromethane	3.13	101	137528	49.148	ug/l 98
8) Diethyl Ether	3.54	74	59189	54.435	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	3.91	101	91042	50.545	ug/l 99
10) Methyl Iodide	4.10	142	123441	50.069	ug/l 99
11) Tert butyl alcohol	4.97	59	52922	276.276	ug/l 99
12) 1,1-Dichloroethene	3.88	96	94029	51.025	ug/l 98
13) Acrolein	3.74	56	45988	266.678	ug/l 100
14) Allyl chloride	4.49	41	162083	52.114	ug/l 99
15) Acrylonitrile	5.18	53	153987	283.169	ug/l 99
16) Acetone	3.96	43	132353	299.334	ug/l 95
17) Carbon Disulfide	4.20	76	307282	51.520	ug/l 100
18) Methyl Acetate	4.49	43	78073	53.406	ug/l 99
19) Methyl tert-butyl Ether	5.22	73	275900	54.126	ug/l 99
20) Methylene Chloride	4.73	84	114340	56.172	ug/l 98
21) trans-1,2-Dichloroethene	5.23	96	109293	52.305	ug/l 95
22) Diisopropyl ether	6.13	45	343243	54.033	ug/l 94
23) Vinyl Acetate	6.07	43	1104168	271.783	ug/l 100
24) 1,1-Dichloroethane	6.03	63	182959	52.609	ug/l 99
25) 2-Butanone	7.00	43	206166	299.593	ug/l 99
26) 2,2-Dichloropropane	6.99	77	153228	47.913	ug/l 100
27) cis-1,2-Dichloroethene	7.00	96	123661	54.010	ug/l 98
28) Bromochloromethane	7.35	49	81861	57.322	ug/l 99
29) Tetrahydrofuran	7.36	42	137008	290.521	ug/l 98
30) Chloroform	7.52	83	178792	52.469	ug/l 98
31) Cyclohexane	7.79	56	178820	48.563	ug/l 98
32) 1,1,1-Trichloroethane	7.71	97	153487	50.765	ug/l 100
36) 1,1-Dichloropropene	7.93	75	144395	49.267	ug/l 99
37) Ethyl Acetate	7.08	43	91355	53.111	ug/l 99
38) Carbon Tetrachloride	7.91	117	131892	49.103	ug/l 97

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	194802	49.025	ug/l	99
40) Benzene	8.17	78	444587	51.965	ug/l	99
41) Methacrylonitrile	7.35	41	124607	154.220	ug/l #	1
42) 1,2-Dichloroethane	8.24	62	122814	51.266	ug/l	100
43) Isopropyl Acetate	8.28	43	179061	54.440	ug/l	99
44) Trichloroethene	8.94	130	117071	52.514	ug/l	98
45) 1,2-Dichloropropane	9.22	63	112175	53.036	ug/l	95
46) Dibromomethane	9.31	93	62134	53.841	ug/l	99
47) Bromodichloromethane	9.50	83	146899	52.231	ug/l	99
48) Methyl methacrylate	9.30	41	81918	53.820	ug/l	98
49) 1,4-Dioxane	9.30	88	16323	1161.449	ug/l	95
51) 4-Methyl-2-Pentanone	10.07	43	463665	277.821	ug/l	100
52) Toluene	10.24	92	286753	52.550	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	164759	52.352	ug/l	98
54) cis-1,3-Dichloropropene	9.93	75	185279	52.216	ug/l	98
55) 1,1,2-Trichloroethane	10.64	97	92281	53.939	ug/l	99
56) Ethyl methacrylate	10.51	69	142737	54.542	ug/l	99
57) 1,3-Dichloropropane	10.79	76	159694	54.372	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.78	63	223003	242.279	ug/l	100
59) 2-Hexanone	10.83	43	338341	289.269	ug/l	99
60) Dibromochloromethane	10.99	129	106220	53.924	ug/l	99
61) 1,2-Dibromoethane	11.09	107	89686	53.687	ug/l	99
64) Tetrachloroethene	10.72	164	104122	55.613	ug/l	99
65) Chlorobenzene	11.52	112	301930	52.026	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	104117	52.053	ug/l	99
67) Ethyl Benzene	11.59	91	545032	51.339	ug/l	99
68) m/p-Xylenes	11.70	106	415702	103.801	ug/l	100
69) o-Xylene	12.03	106	200505	52.219	ug/l	98
70) Styrene	12.04	104	357899	53.123	ug/l	99
71) Bromoform	12.20	173	65642	53.215	ug/l #	99
73) Isopropylbenzene	12.33	105	529577	50.464	ug/l	99
74) N-amyl acetate	12.14	43	181770	55.502	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	117214	53.089	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	154578	103.442	ug/l #	100
77) Bromobenzene	12.61	156	120948	52.159	ug/l	97
78) n-propylbenzene	12.67	91	637110	50.473	ug/l	100
79) 2-Chlorotoluene	12.75	91	367964	50.758	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	446063	50.943	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	45213	51.308	ug/l #	97
82) 4-Chlorotoluene	12.85	91	387339	50.049	ug/l	98
83) tert-Butylbenzene	13.07	119	366078	49.756	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	447272	51.438	ug/l	99
85) sec-Butylbenzene	13.25	105	534764	50.524	ug/l	99
86) p-Isopropyltoluene	13.37	119	467177	50.836	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	230982	52.671	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	233217	51.672	ug/l	99
89) n-Butylbenzene	13.69	91	466531	50.404	ug/l	100
90) Hexachloroethane	13.95	117	91252	50.818	ug/l	99
91) 1,2-Dichlorobenzene	13.74	146	215219	52.806	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	20351	51.098	ug/l	94

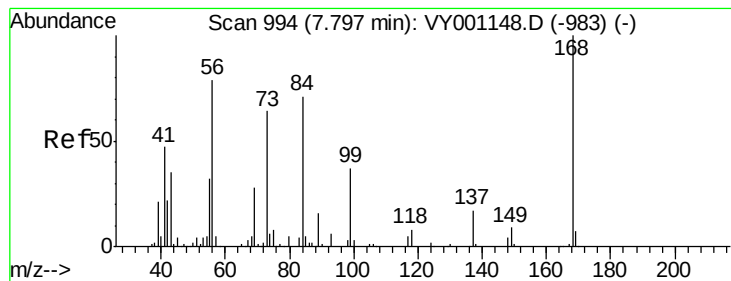
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	140312	52.252	ug/l	99
94) Hexachlorobutadiene	15.11	225	66943	49.484	ug/l	99
95) Naphthalene	15.23	128	338179	54.095	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	124665	52.677	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.01 min

Lab File: VY001188.D

Acq: 13 Jan 2020 18:21

Instrument :

MSVOA_Y

ClientSampleId :

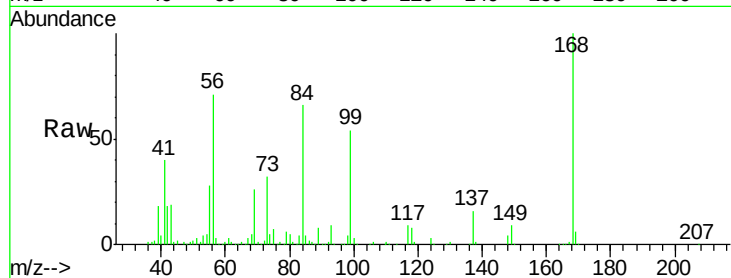
VSTDCCC050EC

Tgt Ion:168 Resp: 180261

Ion Ratio Lower Upper

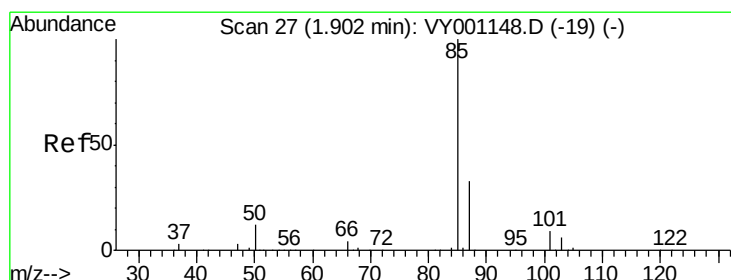
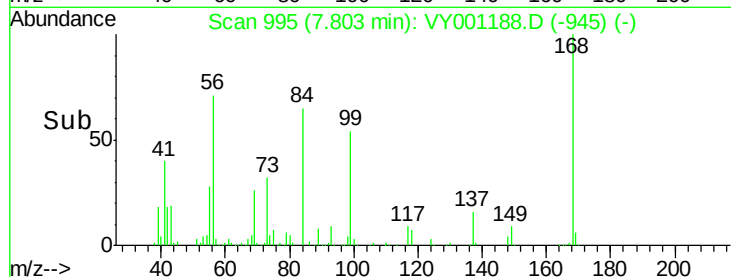
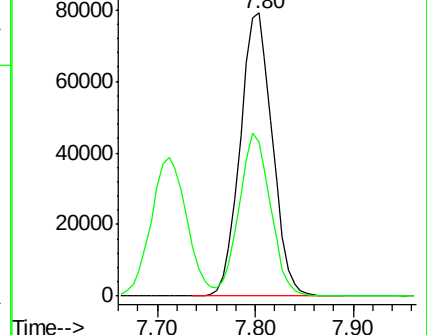
168 100

99 54.5 47.9 71.9



Abundance Ion 167.90 (167.60 to 168.60): VY001188.D (-983) (-)

Ion 98.90 (98.60 to 99.60): VY001188.D (-983) (-)



#2

Dichlorodifluoromethane

Concen: 51.576 ug/l

RT: 1.90 min Scan# 27

Delta R.T. -0.00 min

Lab File: VY001188.D

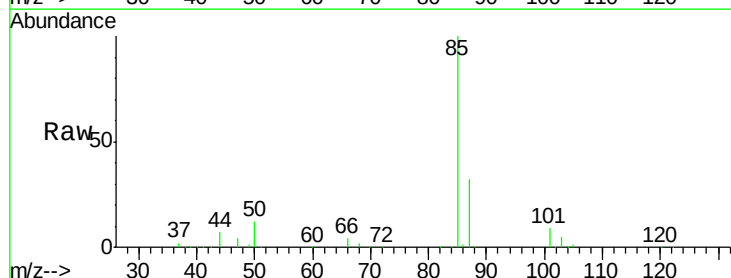
Acq: 13 Jan 2020 18:21

Tgt Ion: 85 Resp: 71401

Ion Ratio Lower Upper

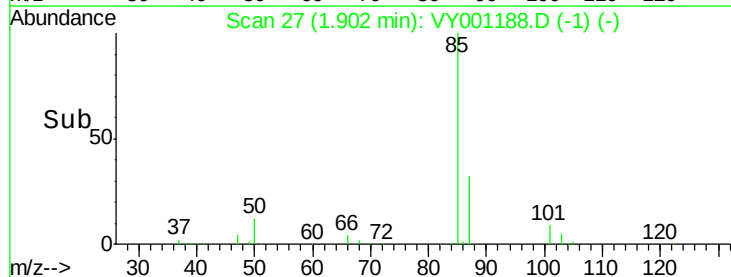
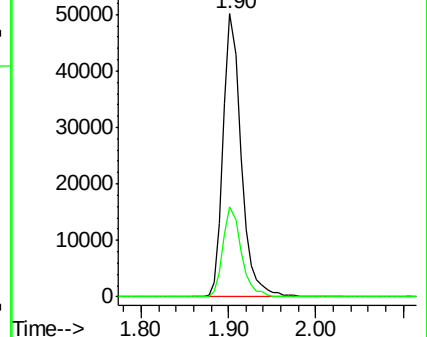
85 100

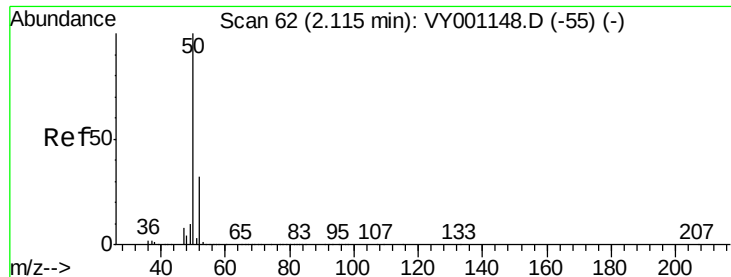
87 31.9 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VY001188.D (-19) (-)

Ion 86.90 (86.60 to 87.60): VY001188.D (-19) (-)





#3

Chloromethane

Concen: 50.534 ug/l

RT: 2.12 min Scan# 62

Delta R.T. -0.00 min

Lab File: VY001188.D

Acq: 13 Jan 2020 18:21

Instrument :

MSVOA_Y

ClientSampleId :

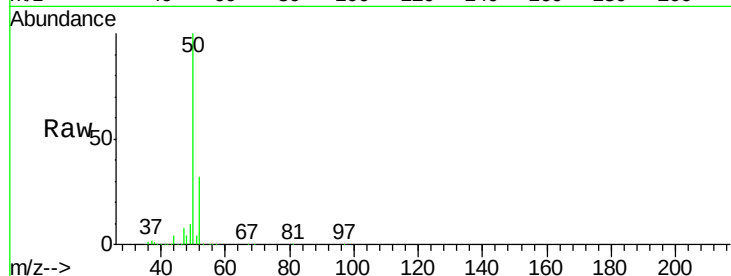
VSTDCCC050EC

Tgt Ion: 50 Resp: 100839

Ion Ratio Lower Upper

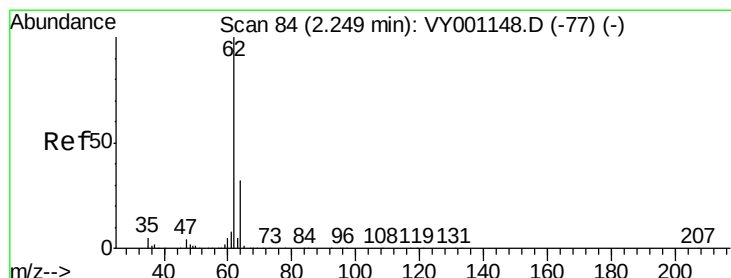
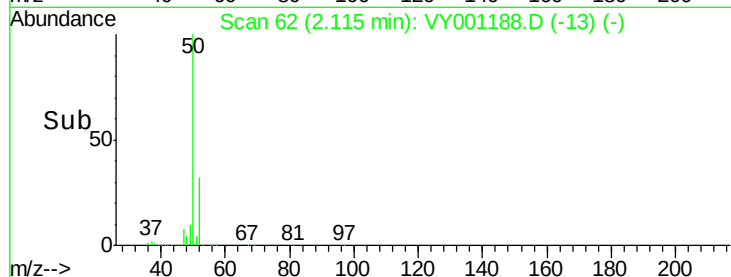
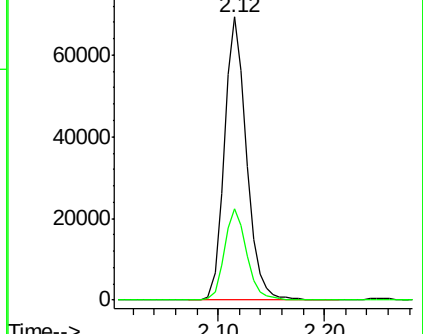
50 100

52 32.4 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: 53.397 ug/l

RT: 2.25 min Scan# 84

Delta R.T. -0.00 min

Lab File: VY001188.D

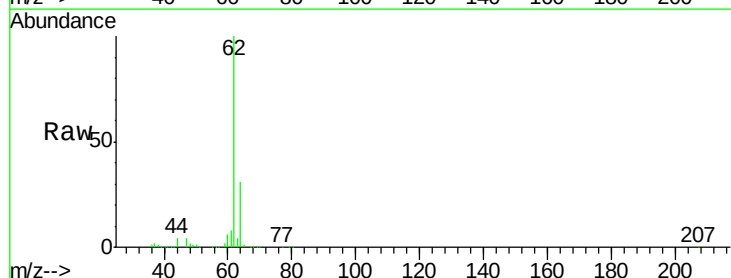
Acq: 13 Jan 2020 18:21

Tgt Ion: 62 Resp: 107345

Ion Ratio Lower Upper

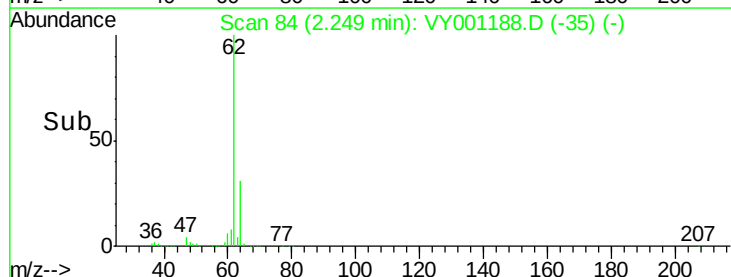
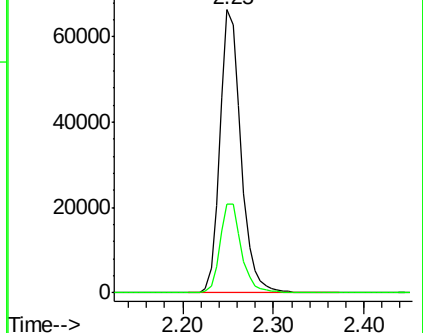
62 100

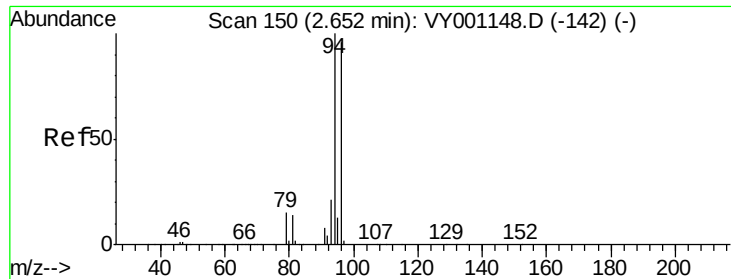
64 31.2 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0





#5

Bromomethane

Concen: 66.766 ug/l

RT: 2.65 min Scan# 150

Delta R.T. -0.00 min

Lab File: VY001188.D

Acq: 13 Jan 2020 18:21

Instrument :

MSVOA_Y

ClientSampleId :

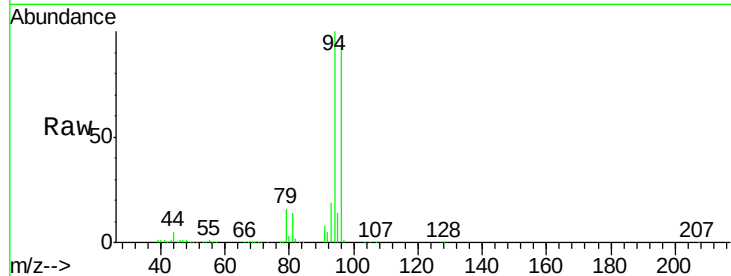
VSTDCCC050EC

Tgt Ion: 94 Resp: 72097

Ion Ratio Lower Upper

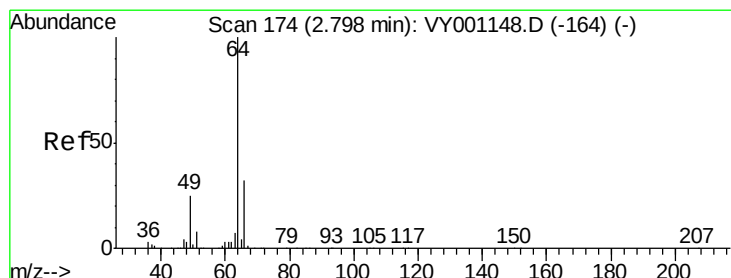
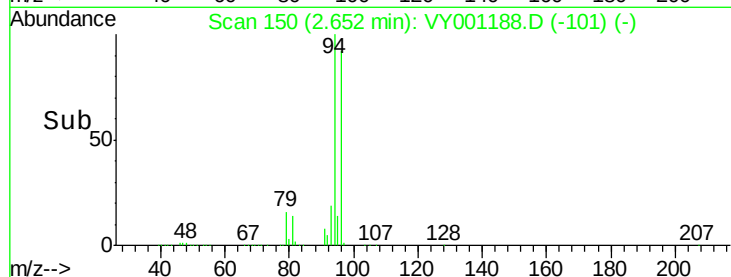
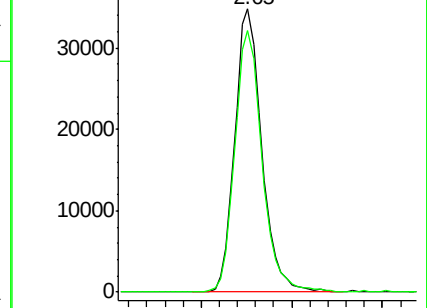
94 100

96 92.4 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: 59.261 ug/l

RT: 2.80 min Scan# 174

Delta R.T. -0.00 min

Lab File: VY001188.D

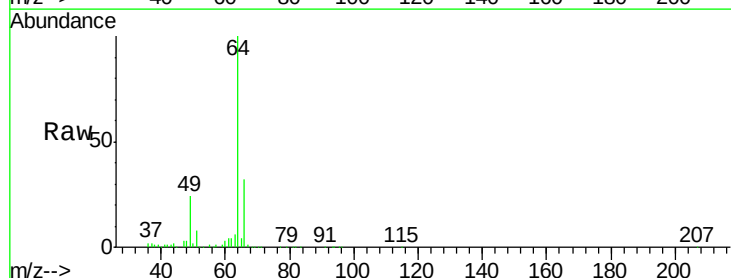
Acq: 13 Jan 2020 18:21

Tgt Ion: 64 Resp: 68827

Ion Ratio Lower Upper

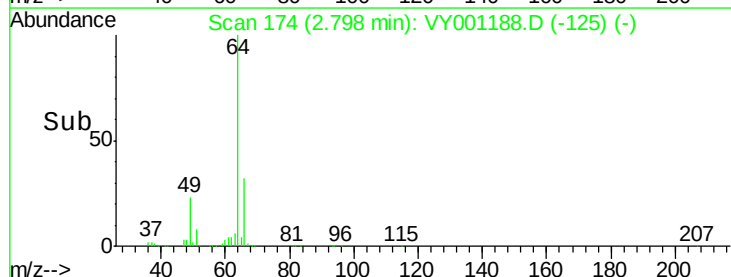
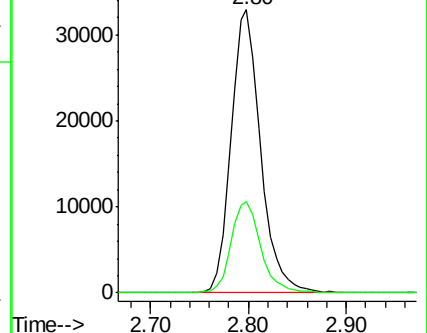
64 100

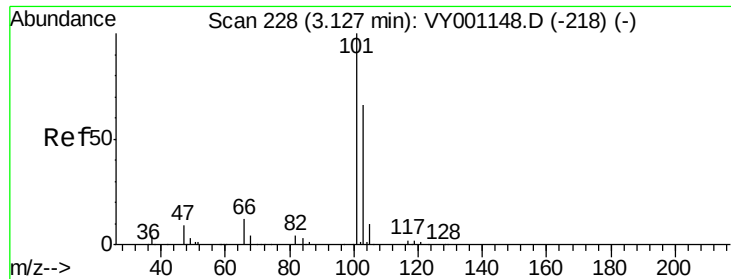
66 32.4 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0



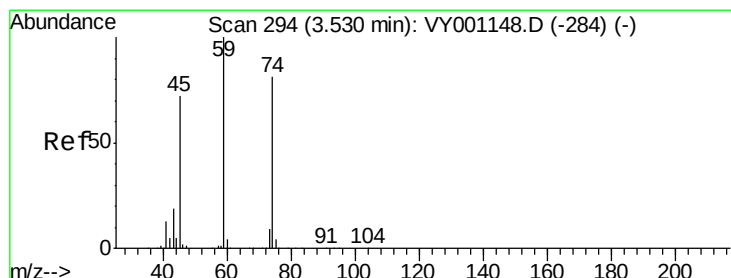
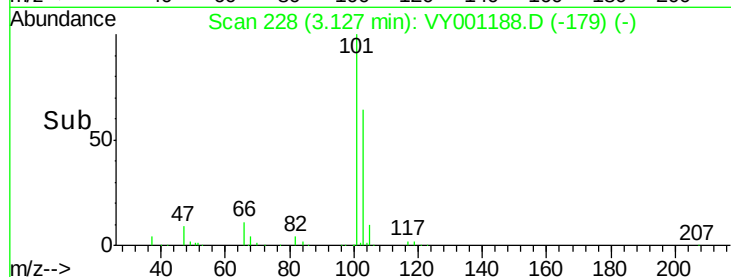
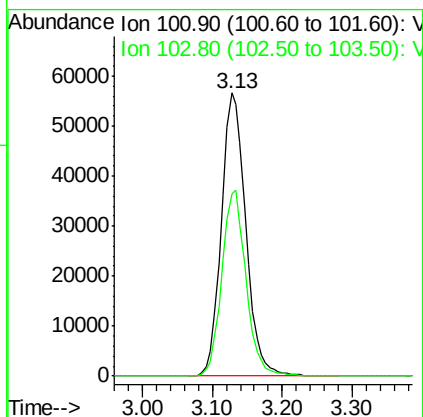
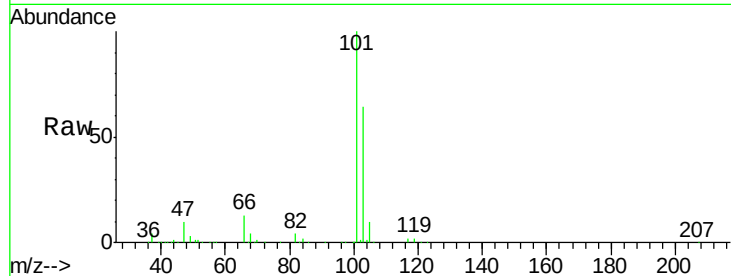


#7

Trichlorofluoromethane
 Concen: 49.148 ug/l
 RT: 3.13 min Scan# 228
 Delta R.T. -0.00 min
 Lab File: VY001188.D
 Acq: 13 Jan 2020 18:21

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

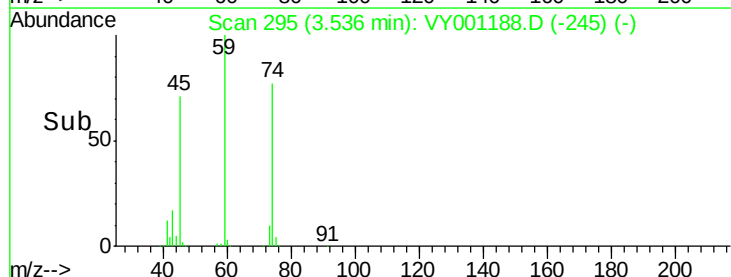
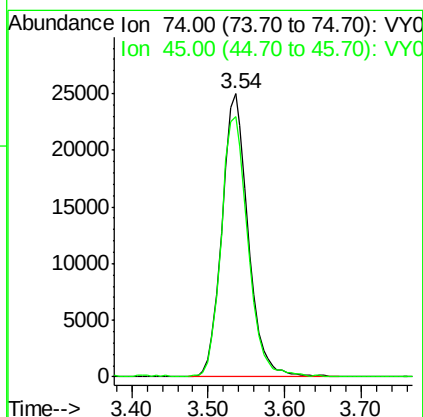
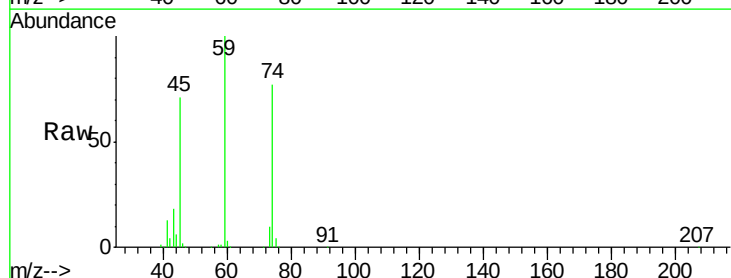
Tgt Ion:101 Resp: 137528
 Ion Ratio Lower Upper
 101 100
 103 64.5 52.6 79.0

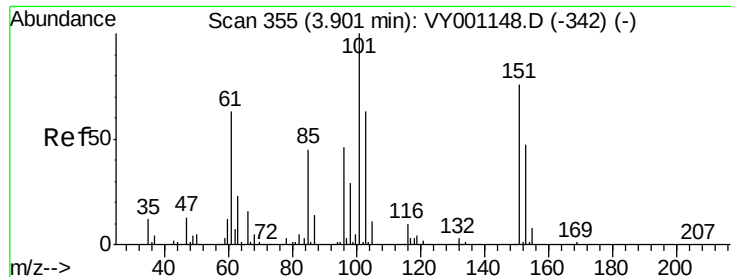


#8

Diethyl Ether
 Concen: 54.435 ug/l
 RT: 3.54 min Scan# 295
 Delta R.T. 0.01 min
 Lab File: VY001188.D
 Acq: 13 Jan 2020 18:21

Tgt Ion: 74 Resp: 59189
 Ion Ratio Lower Upper
 74 100
 45 94.3 45.5 136.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.545 ug/l

RT: 3.91 min Scan# 356

Delta R.T. 0.01 min

Lab File: VY001188.D

Acq: 13 Jan 2020 18:21

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

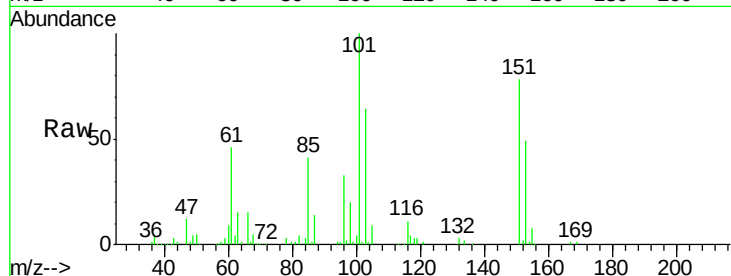
Tgt Ion:101 Resp: 91042

Ion Ratio Lower Upper

101 100

85 42.7 35.2 52.8

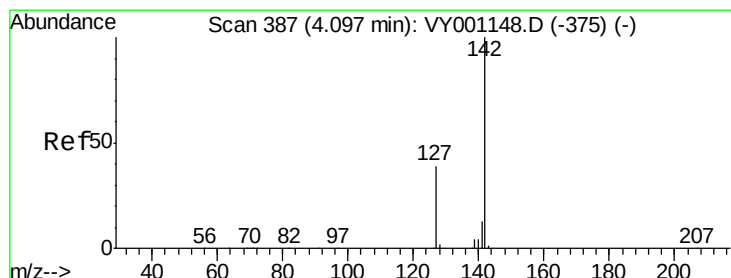
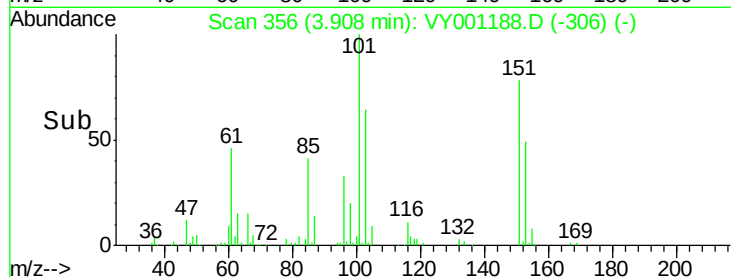
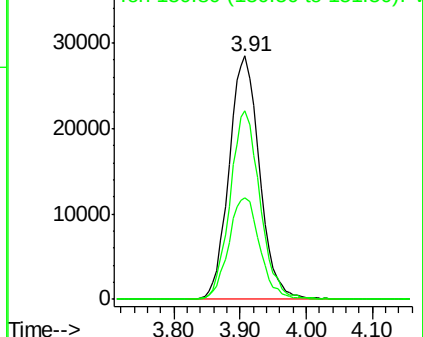
151 76.0 61.4 92.2



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: 50.069 ug/l

RT: 4.10 min Scan# 387

Delta R.T. -0.00 min

Lab File: VY001188.D

Acq: 13 Jan 2020 18:21

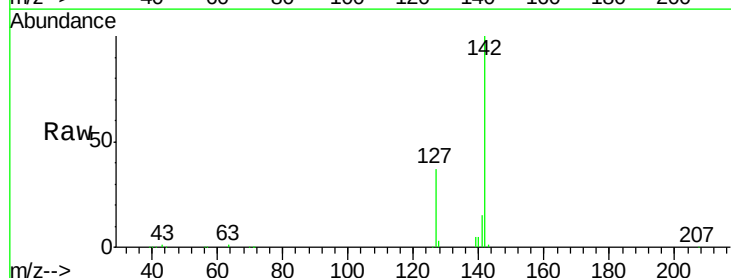
Tgt Ion:142 Resp: 123441

Ion Ratio Lower Upper

142 100

127 39.4 30.8 46.2

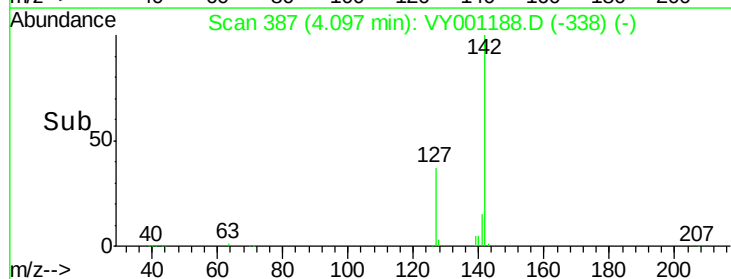
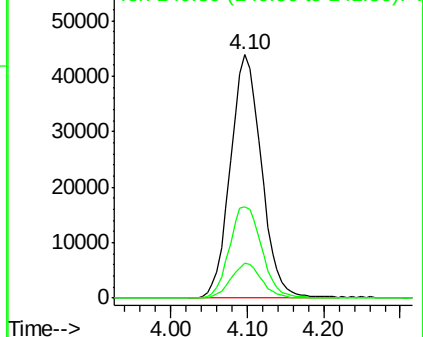
141 14.3 11.0 16.4

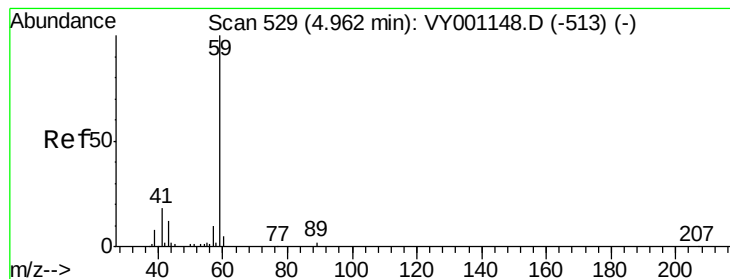


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



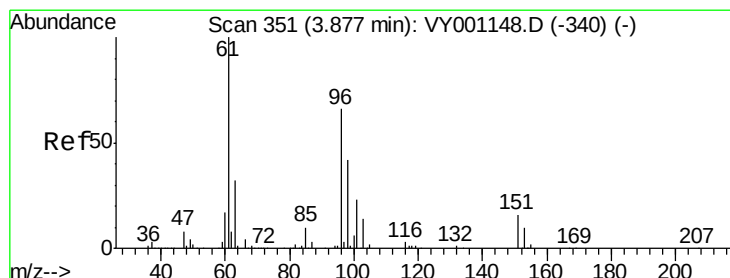
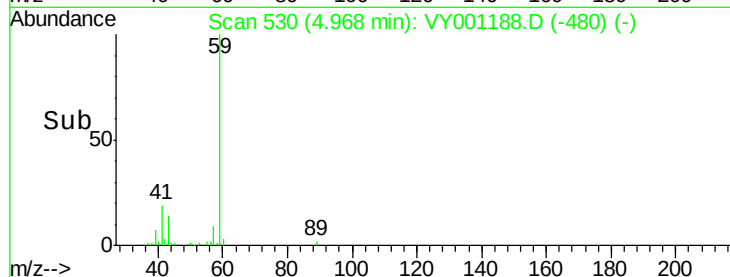
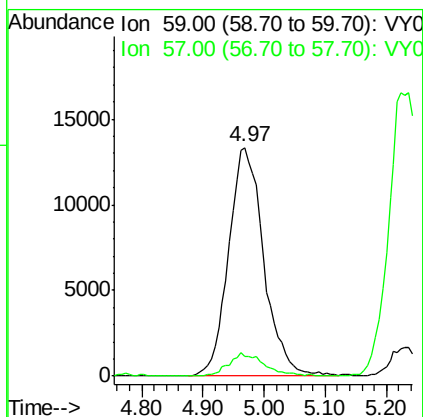
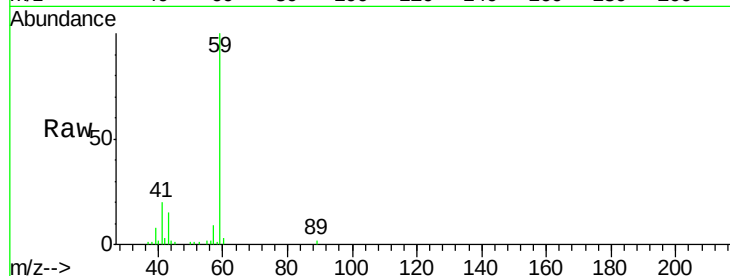


#11

Tert butyl alcohol
 Concen: 276.276 ug/l
 RT: 4.97 min Scan# 530
 Delta R.T. 0.01 min
 Lab File: VY001188.D
 Acq: 13 Jan 2020 18:21

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

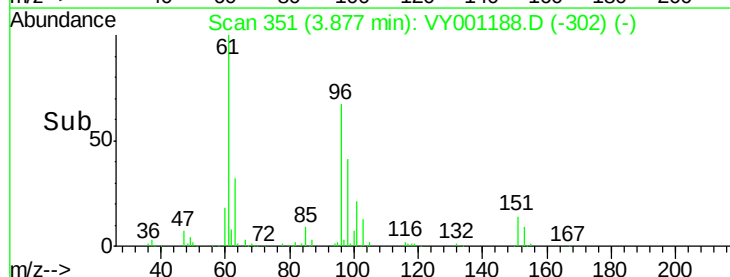
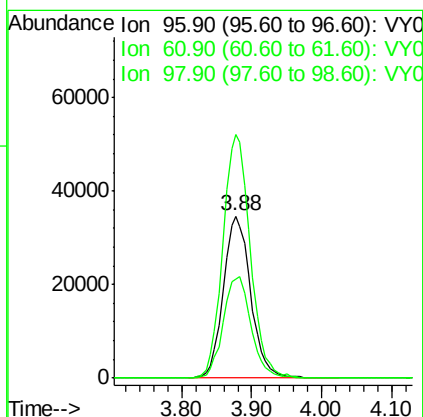
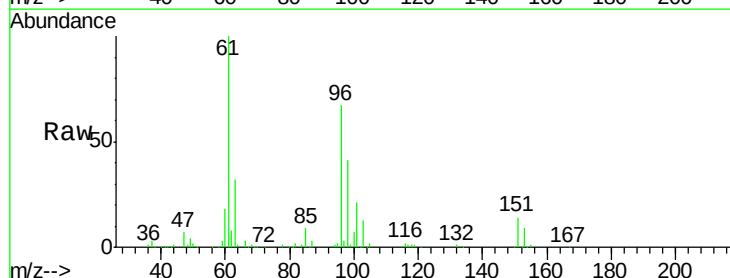
Tgt Ion: 59 Resp: 52922
 Ion Ratio Lower Upper
 59 100
 57 10.2 7.8 11.8

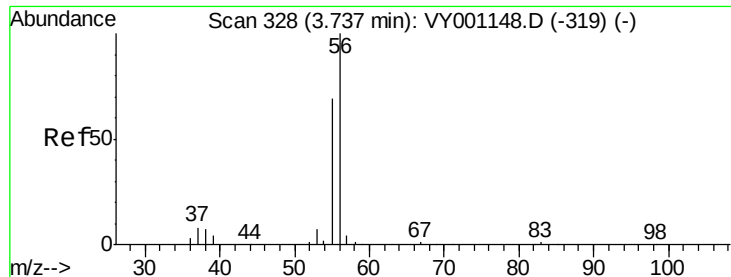


#12

1,1-Dichloroethene
 Concen: 51.025 ug/l
 RT: 3.88 min Scan# 351
 Delta R.T. -0.00 min
 Lab File: VY001188.D
 Acq: 13 Jan 2020 18:21

Tgt Ion: 96 Resp: 94029
 Ion Ratio Lower Upper
 96 100
 61 150.0 122.1 183.1
 98 61.0 51.0 76.6





#13

Acrolein

Concen: 266.678 ug/l

RT: 3.74 min Scan# 328

Delta R.T. -0.00 min

Lab File: VY001188.D

Acq: 13 Jan 2020 18:21

Instrument :

MSVOA_Y

ClientSampleId :

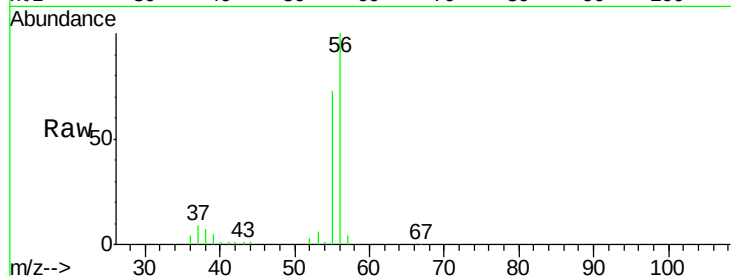
VSTDCCC050EC

Tgt Ion: 56 Resp: 45988

Ion Ratio Lower Upper

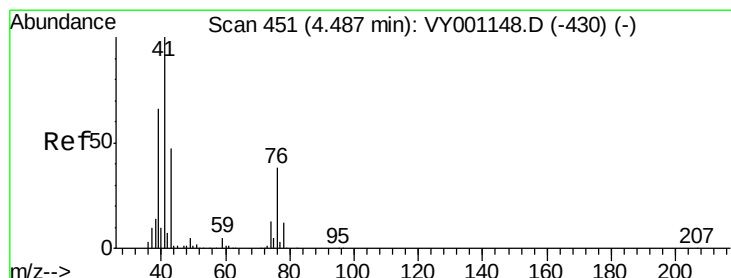
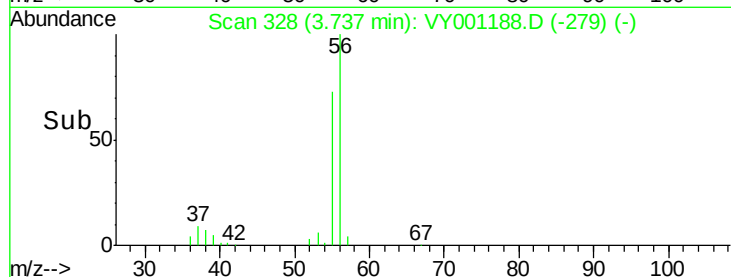
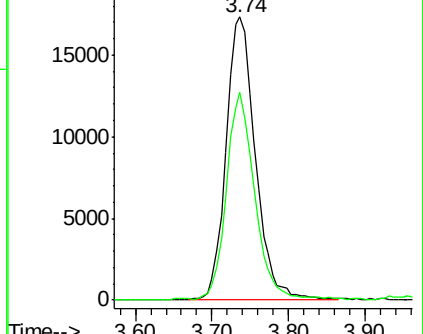
56 100

55 70.8 56.7 85.1



Abundance Ion 56.00 (55.70 to 56.70): VY001188.D (-319) (-)

Ion 55.00 (54.70 to 55.70): VY001188.D (-319) (-)



#14

Allyl chloride

Concen: 52.114 ug/l

RT: 4.49 min Scan# 451

Delta R.T. -0.00 min

Lab File: VY001188.D

Acq: 13 Jan 2020 18:21

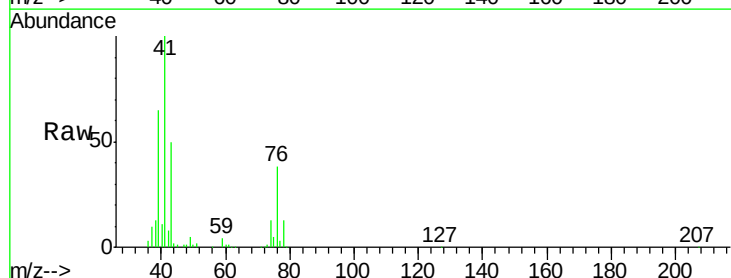
Tgt Ion: 41 Resp: 162083

Ion Ratio Lower Upper

41 100

39 64.8 52.6 78.8

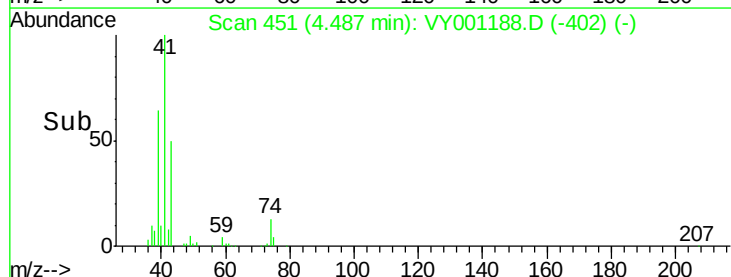
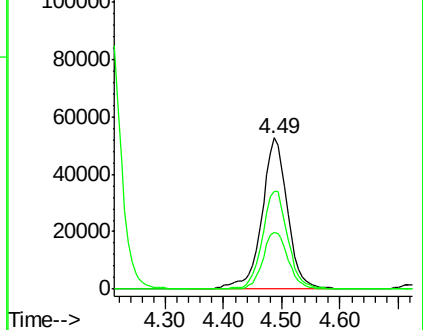
76 37.0 30.2 45.2

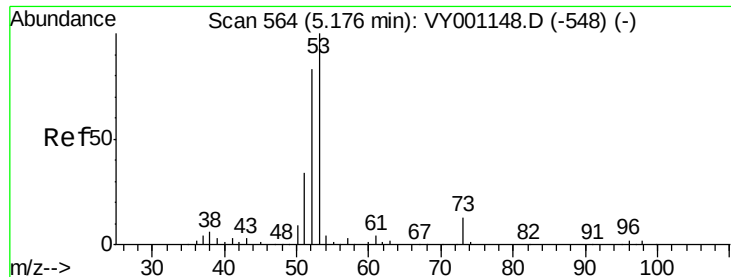


Abundance Ion 41.00 (40.70 to 41.70): VY001188.D (-430) (-)

Ion 39.00 (38.70 to 39.70): VY001188.D (-430) (-)

Ion 75.90 (75.60 to 76.60): VY001188.D (-430) (-)





#15

Acrylonitrile

Concen: 283.169 ug/l

RT: 5.18 min Scan# 564

Delta R.T. -0.00 min

Lab File: VY001188.D

Acq: 13 Jan 2020 18:21

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

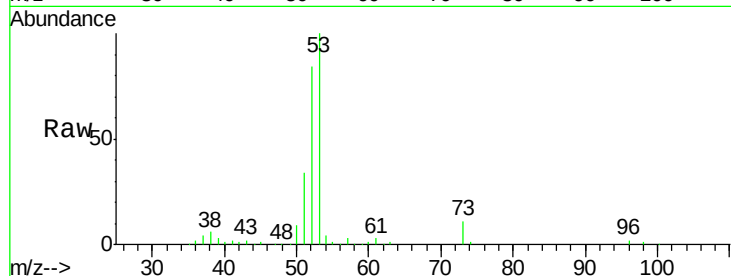
Tgt Ion: 53 Resp: 153987

Ion Ratio Lower Upper

53 100

52 81.0 65.7 98.5

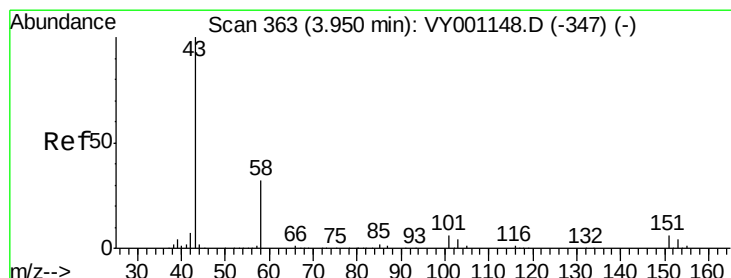
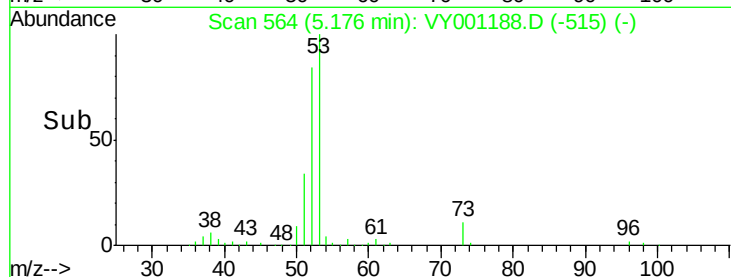
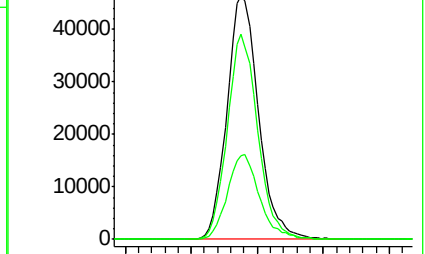
51 35.4 28.7 43.1



Abundance Ion 53.00 (52.70 to 53.70): VY001188.D (-548) (-)

Ion 52.00 (51.70 to 52.70): VY001188.D (-548) (-)

Ion 51.00 (50.70 to 51.70): VY001188.D (-548) (-)



#16

Acetone

Concen: 299.334 ug/l

RT: 3.96 min Scan# 364

Delta R.T. 0.01 min

Lab File: VY001188.D

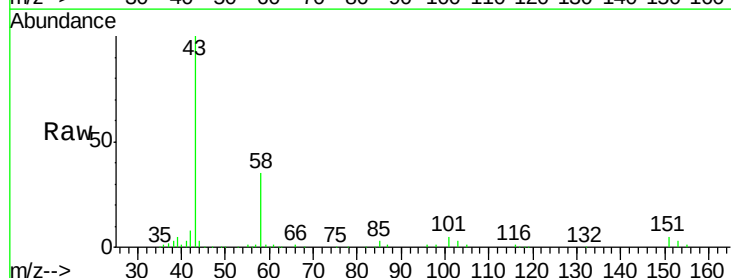
Acq: 13 Jan 2020 18:21

Tgt Ion: 43 Resp: 132353

Ion Ratio Lower Upper

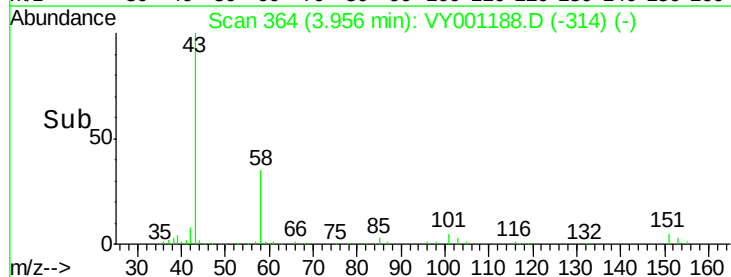
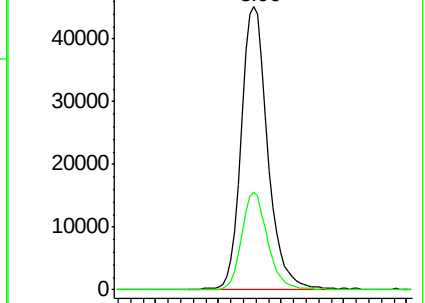
43 100

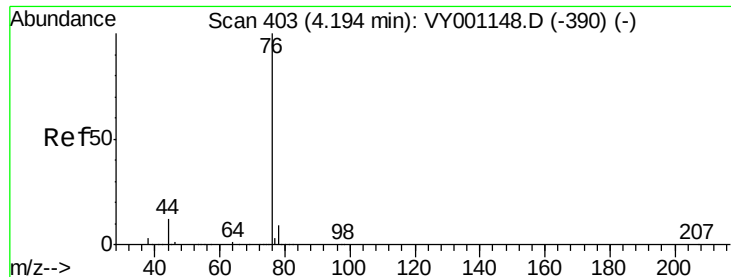
58 34.7 25.8 38.6



Abundance Ion 43.00 (42.70 to 43.70): VY001188.D (-347) (-)

Ion 58.00 (57.70 to 58.70): VY001188.D (-347) (-)





#17

Carbon Disulfide

Concen: 51.520 ug/l

RT: 4.20 min Scan# 404

Delta R.T. 0.01 min

Lab File: VY001188.D

Acq: 13 Jan 2020 18:21

Instrument :

MSVOA_Y

ClientSampleId :

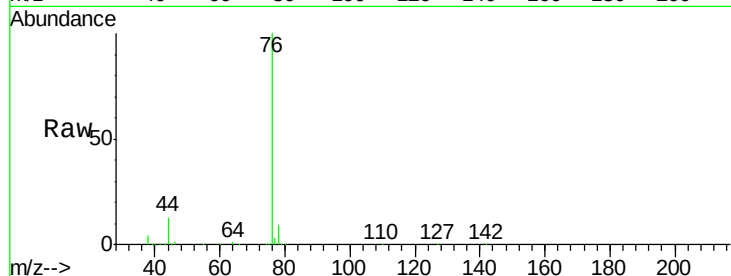
VSTDCCC050EC

Tgt Ion: 76 Resp: 307282

Ion Ratio Lower Upper

76 100

78 9.2 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

120000

100000

80000

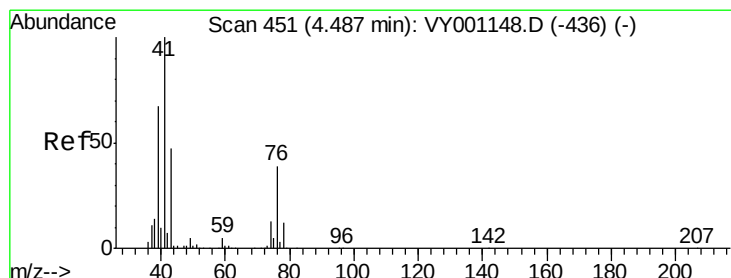
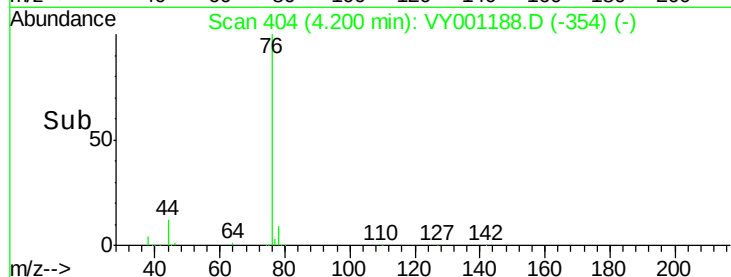
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 53.406 ug/l

RT: 4.49 min Scan# 451

Delta R.T. -0.00 min

Lab File: VY001188.D

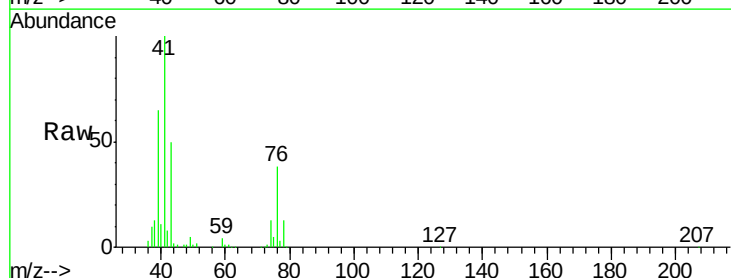
Acq: 13 Jan 2020 18:21

Tgt Ion: 43 Resp: 78073

Ion Ratio Lower Upper

43 100

74 24.8 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

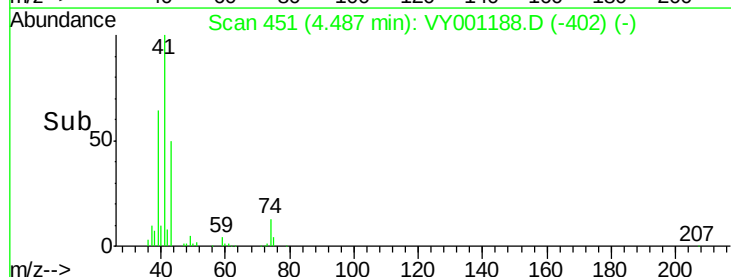
15000

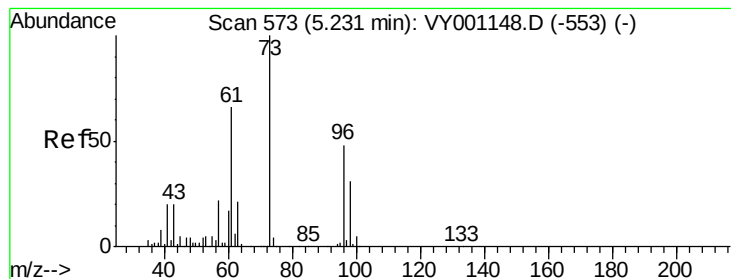
10000

5000

0

Time-->



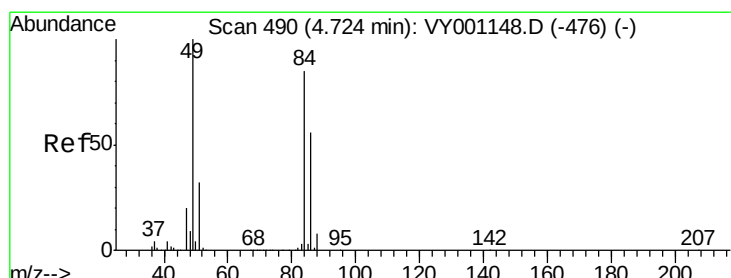
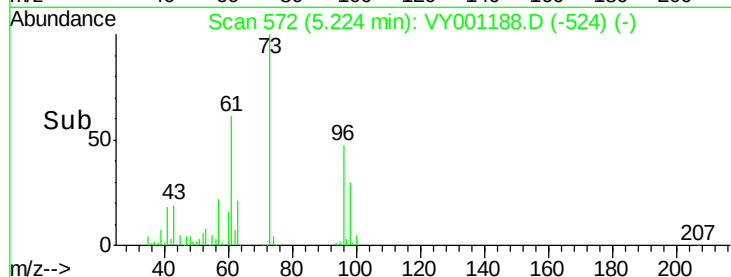
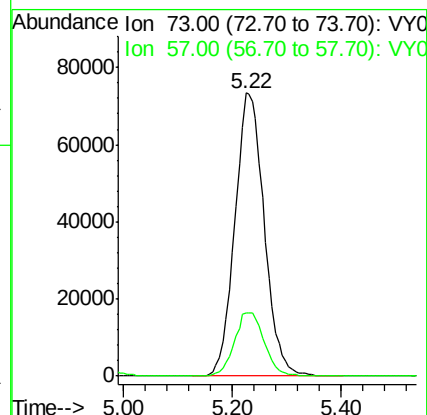
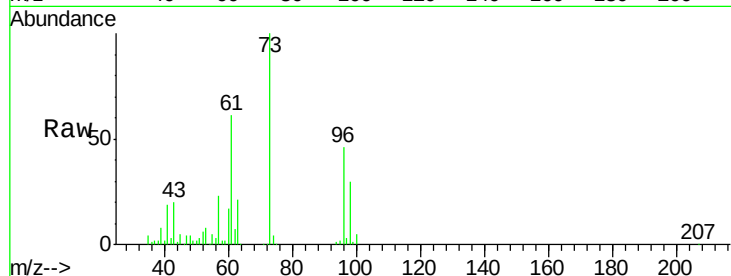


#19

Methyl tert-butyl Ether
 Concen: 54.126 ug/l
 RT: 5.22 min Scan# 572
 Delta R.T. -0.01 min
 Lab File: VY001188.D
 Acq: 13 Jan 2020 18:21

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

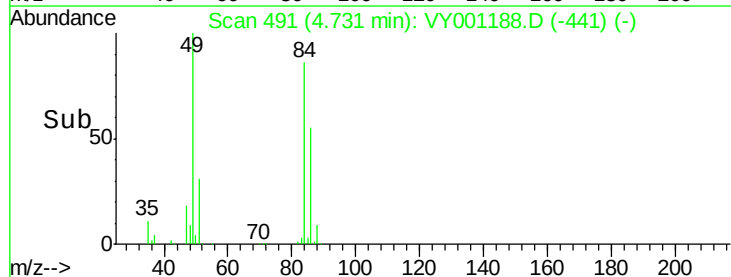
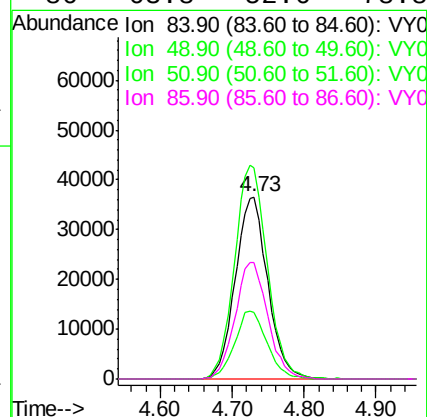
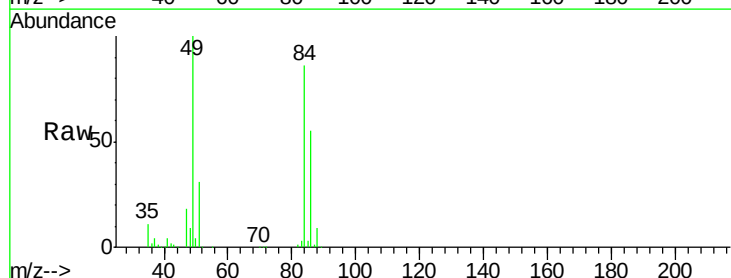
Tgt Ion: 73 Resp: 275900
 Ion Ratio Lower Upper
 73 100
 57 22.5 17.8 26.6

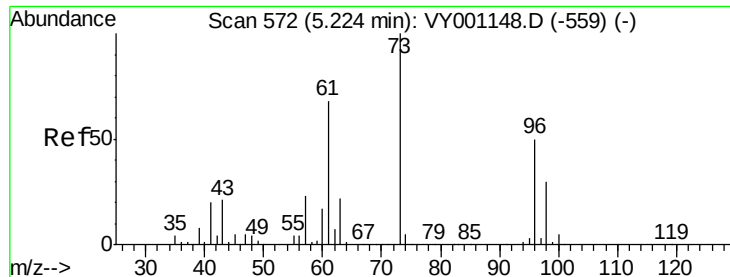


#20

Methylene Chloride
 Concen: 56.172 ug/l
 RT: 4.73 min Scan# 491
 Delta R.T. 0.01 min
 Lab File: VY001188.D
 Acq: 13 Jan 2020 18:21

Tgt Ion: 84 Resp: 114340
 Ion Ratio Lower Upper
 84 100
 49 116.2 93.8 140.6
 51 36.4 29.9 44.9
 86 63.8 52.6 78.8





#21

trans-1,2-Dichloroethene

Concen: 52.305 ug/l

RT: 5.23 min Scan# 573

Delta R.T. 0.01 min

Lab File: VY001188.D

Acq: 13 Jan 2020 18:21

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

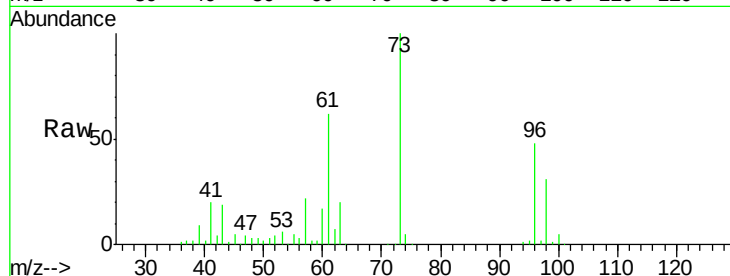
Tgt Ion: 96 Resp: 109293

Ion Ratio Lower Upper

96 100

61 129.1 107.6 161.4

98 63.5 47.6 71.4

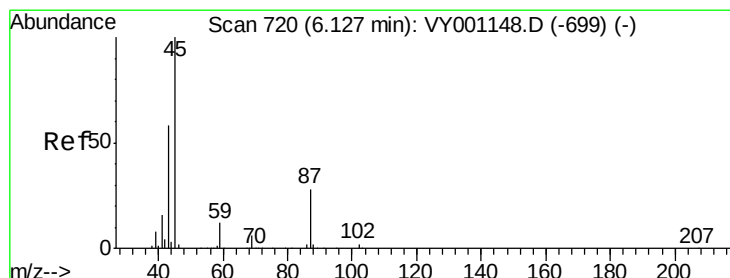
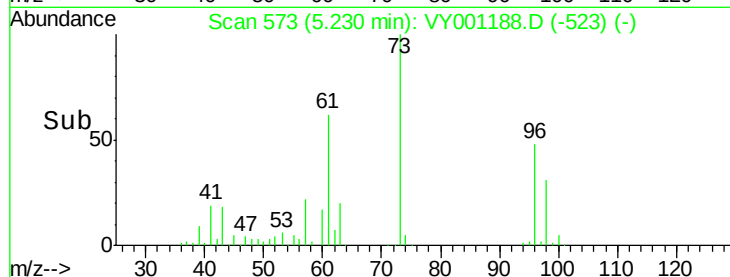
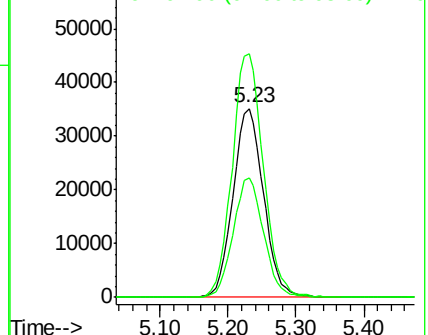


Abundance

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: 54.033 ug/l

RT: 6.13 min Scan# 721

Delta R.T. 0.01 min

Lab File: VY001188.D

Acq: 13 Jan 2020 18:21

Tgt Ion: 45 Resp: 343243

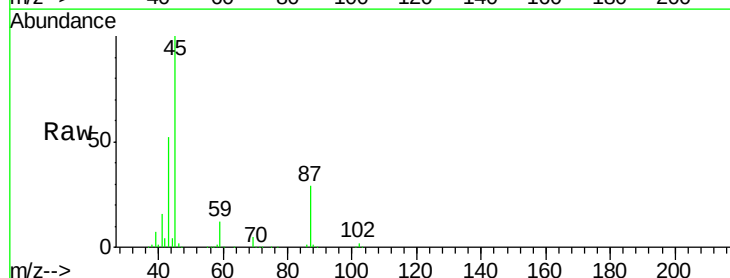
Ion Ratio Lower Upper

45 100

43 51.5 46.5 69.7

87 28.7 22.5 33.7

59 12.4 9.4 14.0



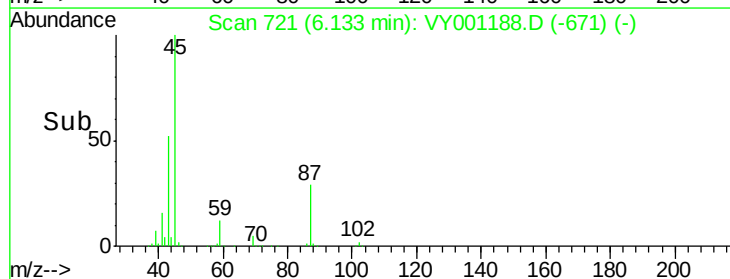
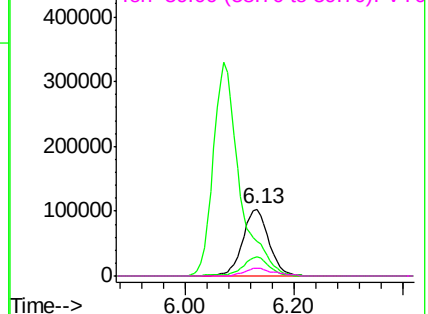
Abundance

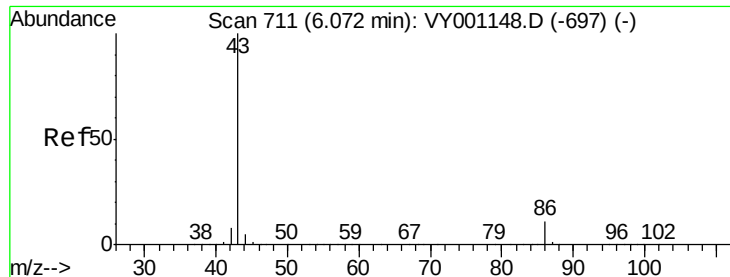
Ion 45.00 (44.70 to 45.70): VY0

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

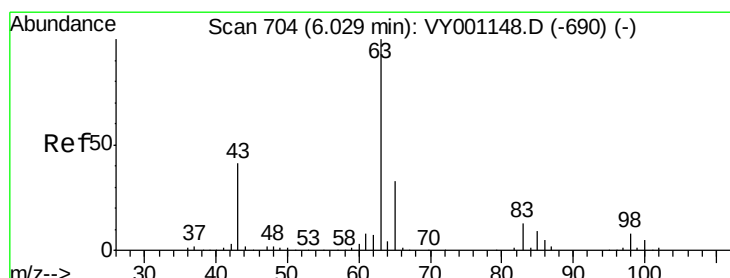
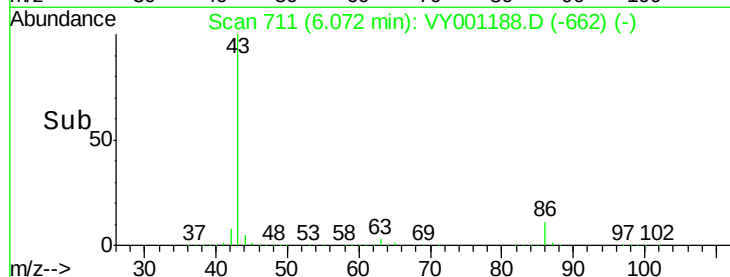
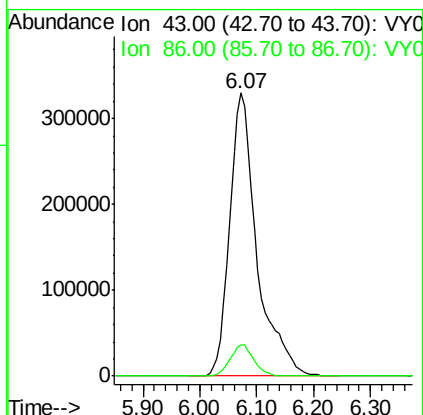
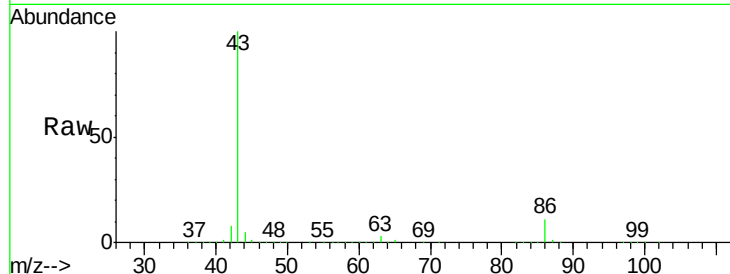




#23
 Vinyl Acetate
 Concen: 271.783 ug/l
 RT: 6.07 min Scan# 711
 Delta R.T. -0.00 min
 Lab File: VY001188.D
 Acq: 13 Jan 2020 18:21

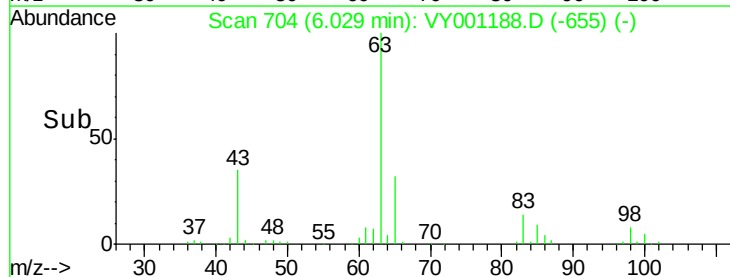
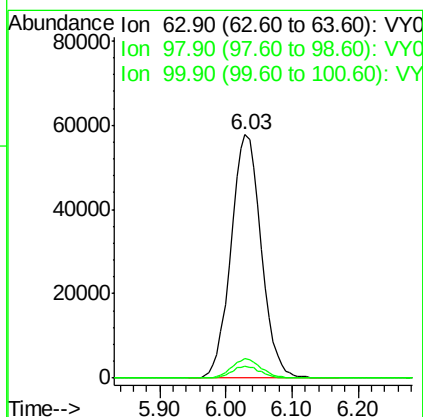
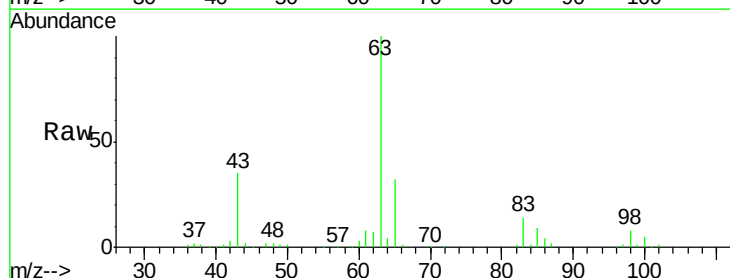
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

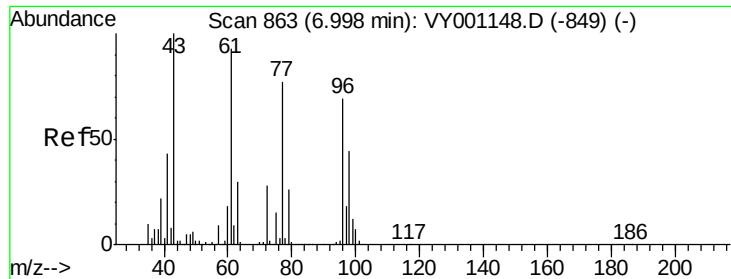
Tgt Ion: 43 Resp: 1104168
 Ion Ratio Lower Upper
 43 100
 86 11.1 9.0 13.4



#24
 1,1-Dichloroethane
 Concen: 52.609 ug/l
 RT: 6.03 min Scan# 704
 Delta R.T. -0.00 min
 Lab File: VY001188.D
 Acq: 13 Jan 2020 18:21

Tgt Ion: 63 Resp: 182959
 Ion Ratio Lower Upper
 63 100
 98 8.2 3.9 11.7
 100 4.8 2.4 7.2





#25

2-Butanone

Concen: 299.593 ug/l

RT: 7.00 min Scan# 863

Delta R.T. -0.00 min

Lab File: VY001188.D

Acq: 13 Jan 2020 18:21

Instrument :

MSVOA_Y

ClientSampleId :

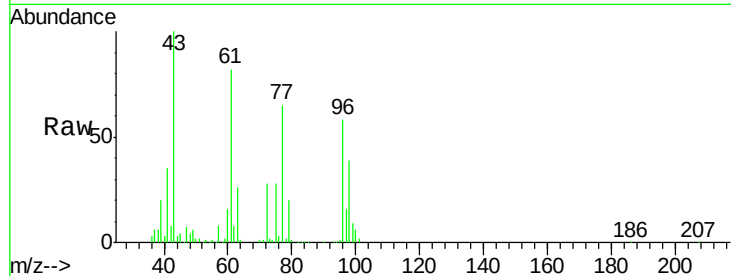
VSTDCCC050EC

Tgt Ion: 43 Resp: 206166

Ion Ratio Lower Upper

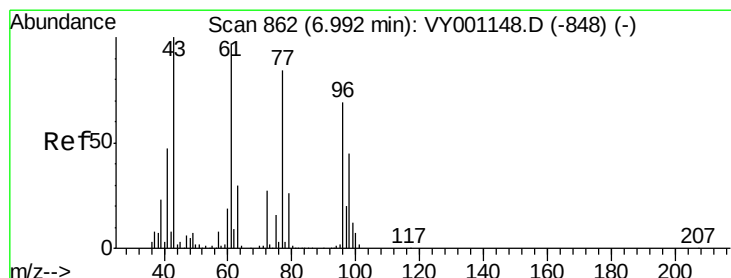
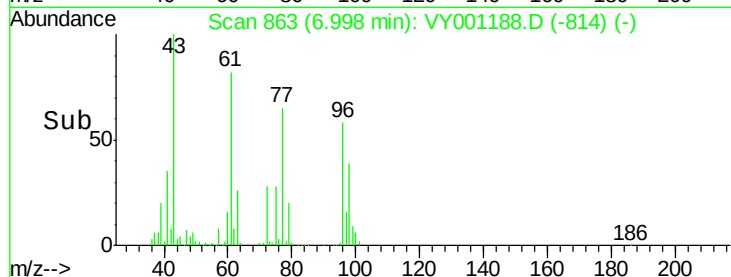
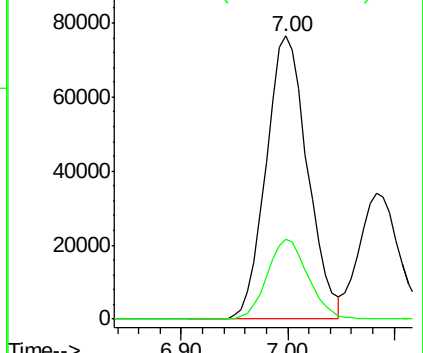
43 100

72 28.1 22.2 33.2



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#26

2,2-Dichloropropane

Concen: 47.913 ug/l

RT: 6.99 min Scan# 862

Delta R.T. -0.00 min

Lab File: VY001188.D

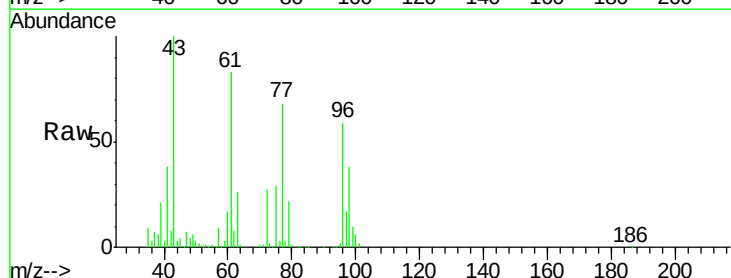
Acq: 13 Jan 2020 18:21

Tgt Ion: 77 Resp: 153228

Ion Ratio Lower Upper

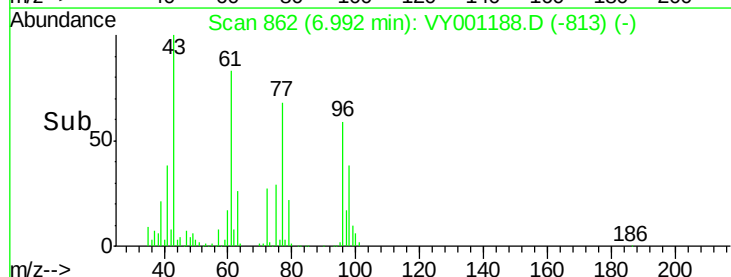
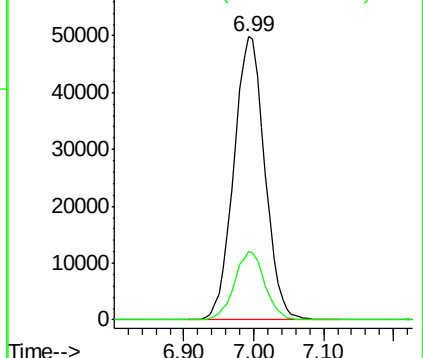
77 100

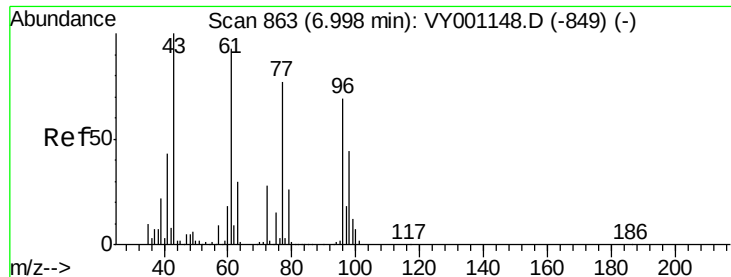
97 23.6 11.9 35.7



Abundance Ion 76.90 (76.60 to 77.60): VY0

Ion 96.90 (96.60 to 97.60): VY0



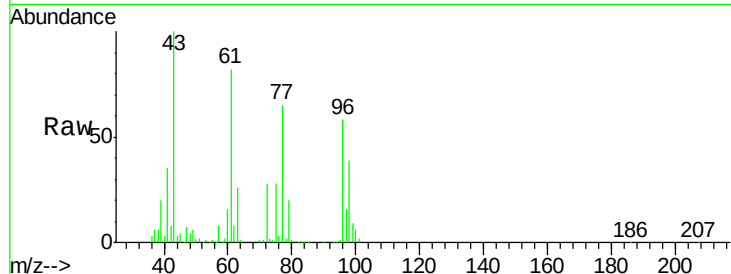


#27

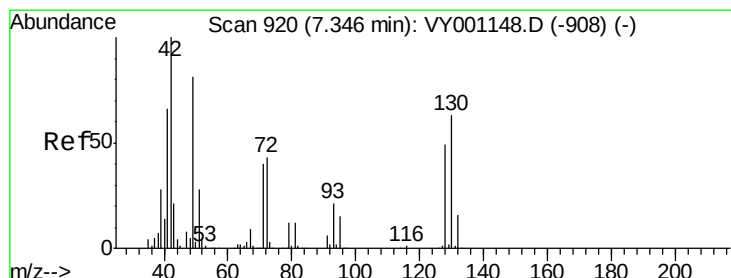
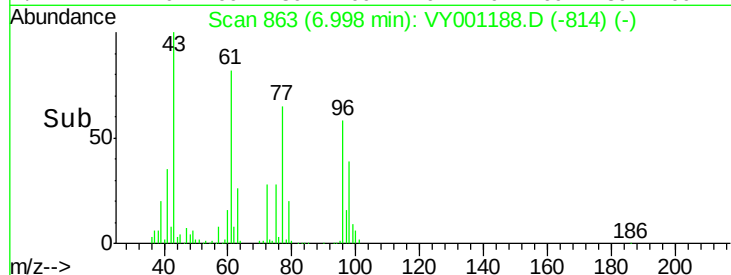
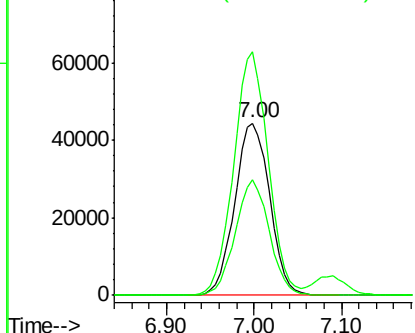
cis-1,2-Dichloroethene
 Concen: 54.010 ug/l
 RT: 7.00 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VY001188.D
 Acq: 13 Jan 2020 18:21

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
96	100		
61	139.2	0.0	284.0
98	65.2	0.0	130.2



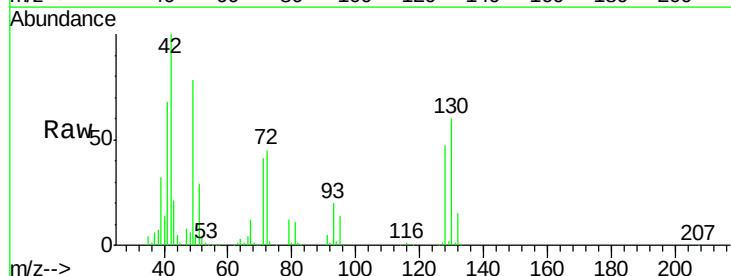
Abundance Ion 95.90 (95.60 to 96.60): VY0
 Ion 60.90 (60.60 to 61.60): VY0
 Ion 97.90 (97.60 to 98.60): VY0



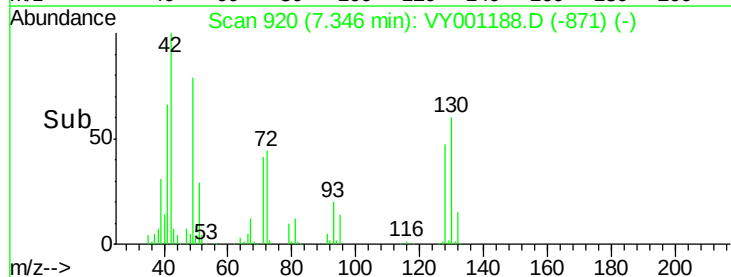
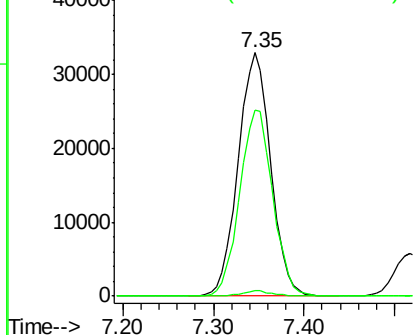
#28

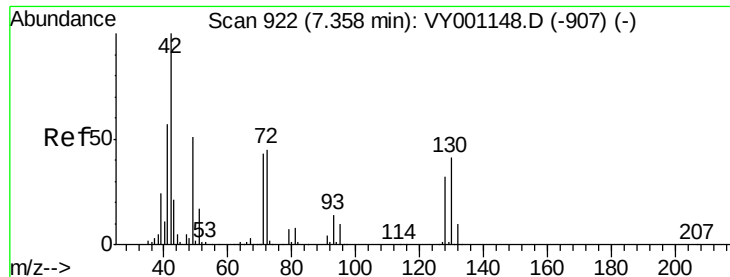
Bromochloromethane
 Concen: 57.322 ug/l
 RT: 7.35 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VY001188.D
 Acq: 13 Jan 2020 18:21

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.4
130	77.5	61.2	91.8



Abundance Ion 48.90 (48.60 to 49.60): VY0
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V

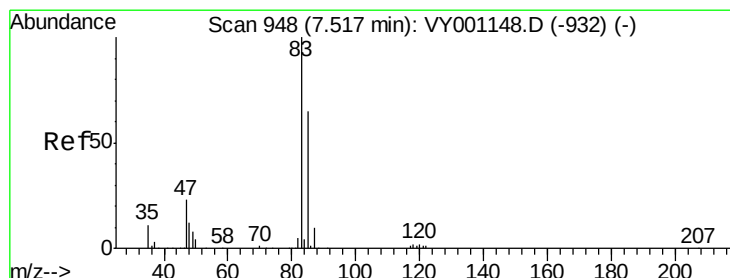
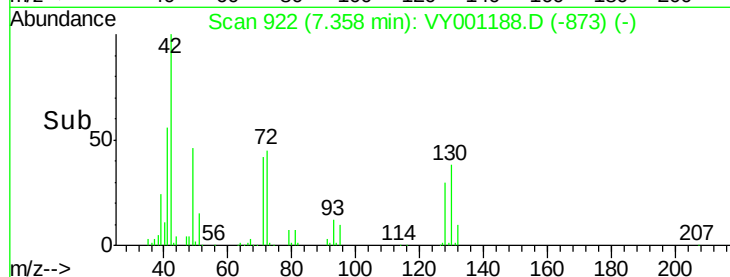
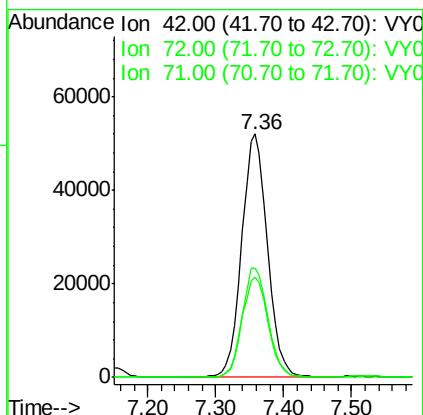
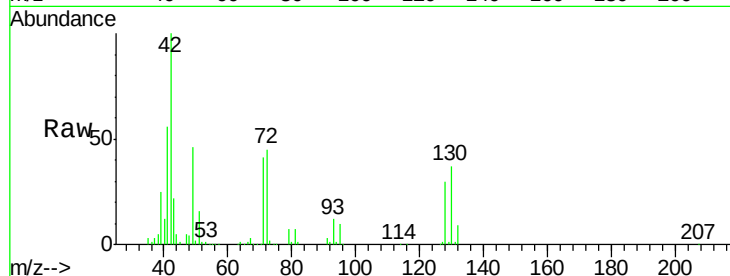




#29
Tetrahydrofuran
Concen: 290.521 ug/l
RT: 7.36 min Scan# 922
Delta R.T. -0.00 min
Lab File: VY001188.D
Acq: 13 Jan 2020 18:21

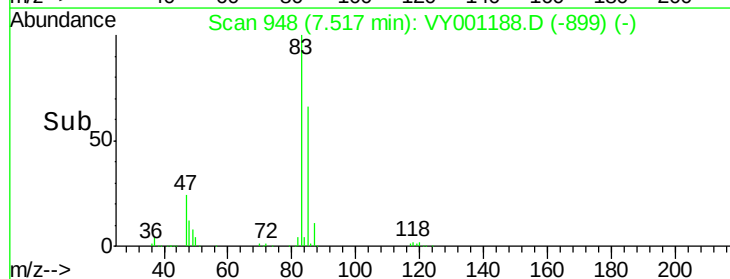
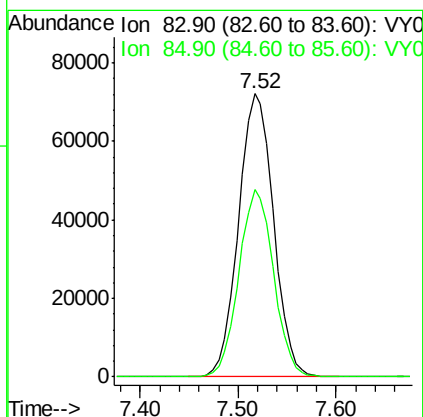
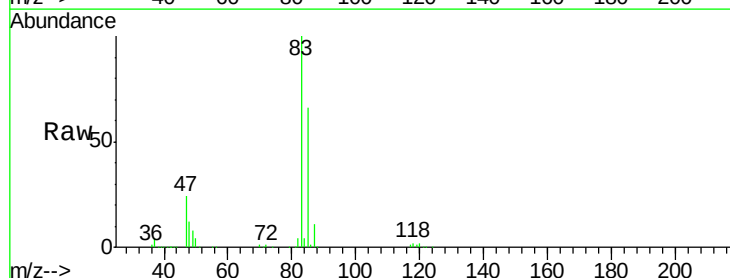
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

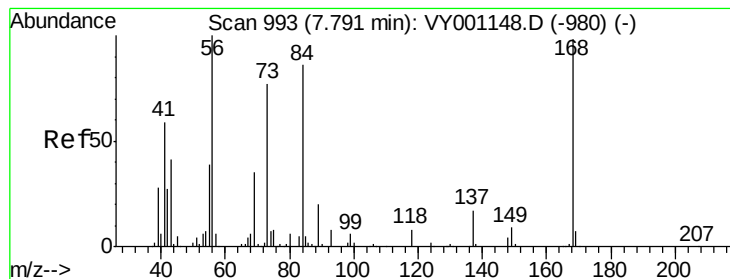
Tgt Ion: 42 Resp: 137008
Ion Ratio Lower Upper
42 100
72 44.9 36.9 55.3
71 41.6 34.0 51.0



#30
Chloroform
Concen: 52.469 ug/l
RT: 7.52 min Scan# 948
Delta R.T. -0.00 min
Lab File: VY001188.D
Acq: 13 Jan 2020 18:21

Tgt Ion: 83 Resp: 178792
Ion Ratio Lower Upper
83 100
85 66.1 51.9 77.9





#31

Cyclohexane

Concen: 48.563 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.00 min

Lab File: VY001188.D

Acq: 13 Jan 2020 18:21

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

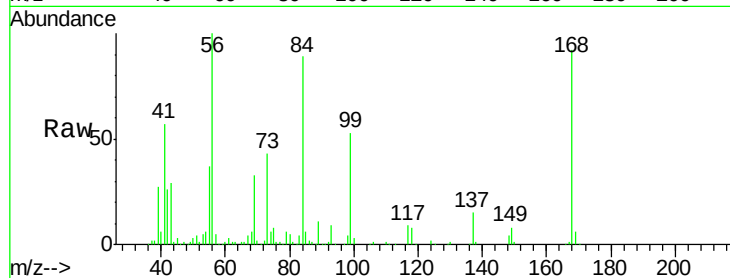
Tgt Ion: 56 Resp: 178820

Ion Ratio Lower Upper

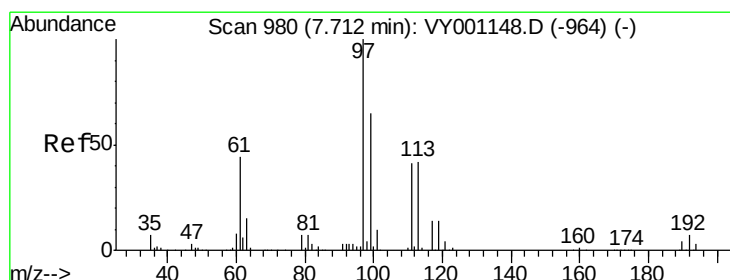
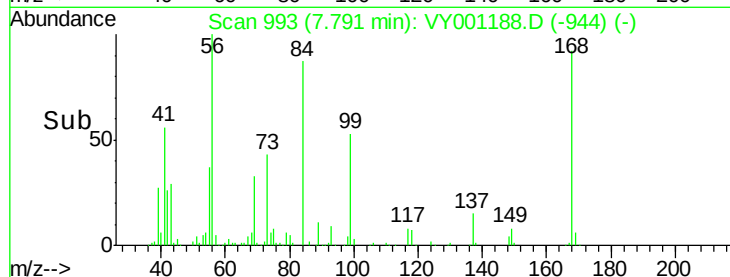
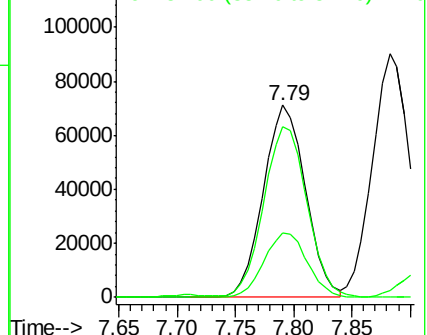
56 100

69 33.4 27.8 41.8

84 87.3 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: 50.765 ug/l

RT: 7.71 min Scan# 980

Delta R.T. -0.00 min

Lab File: VY001188.D

Acq: 13 Jan 2020 18:21

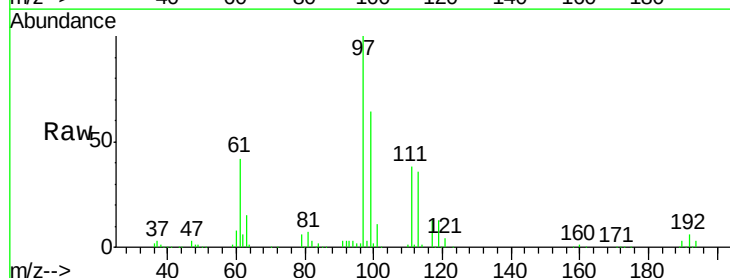
Tgt Ion: 97 Resp: 153487

Ion Ratio Lower Upper

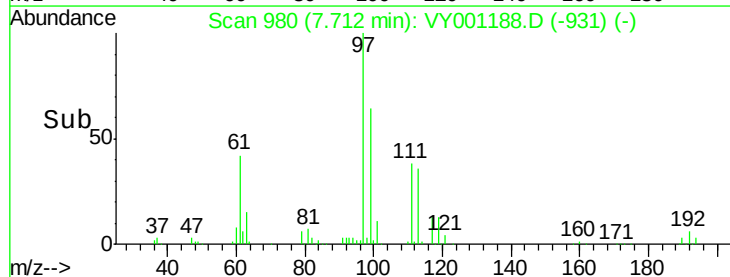
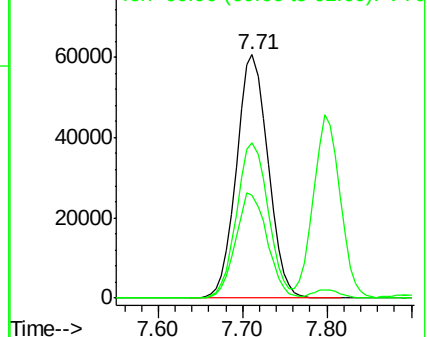
97 100

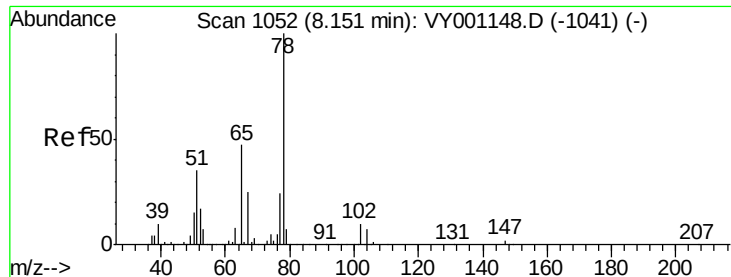
99 64.4 51.3 76.9

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

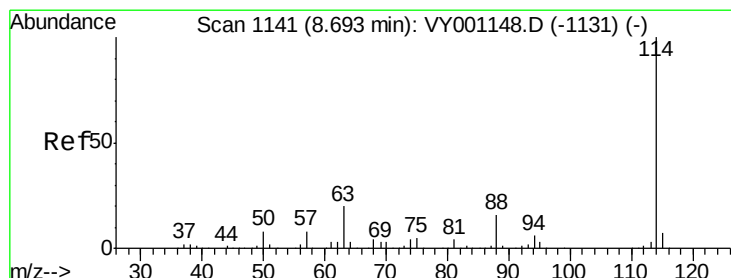
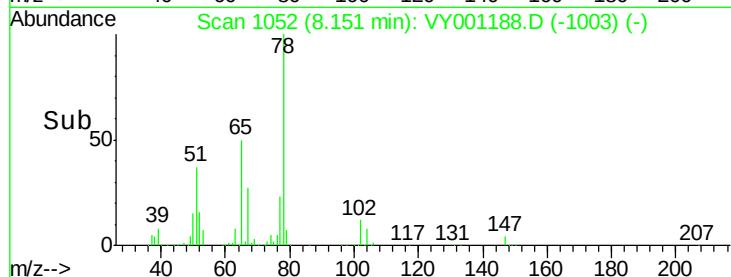
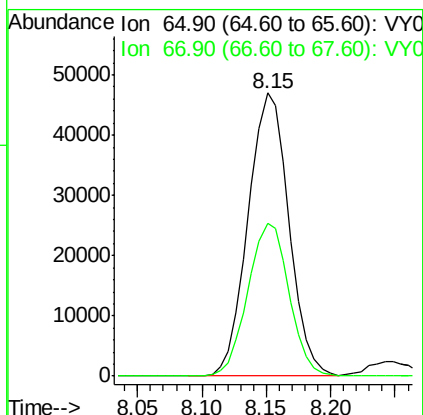
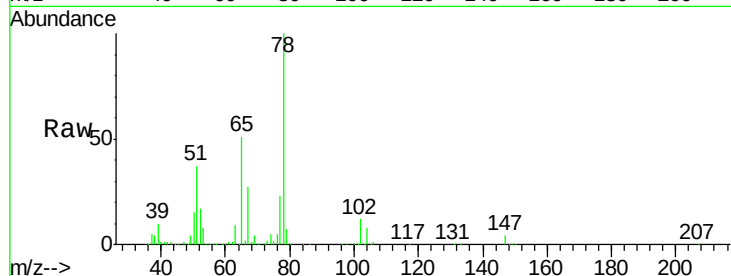




#33
 1,2-Dichloroethane-d4
 Concen: 54.257 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. -0.00 min
 Lab File: VY001188.D
 Acq: 13 Jan 2020 18:21

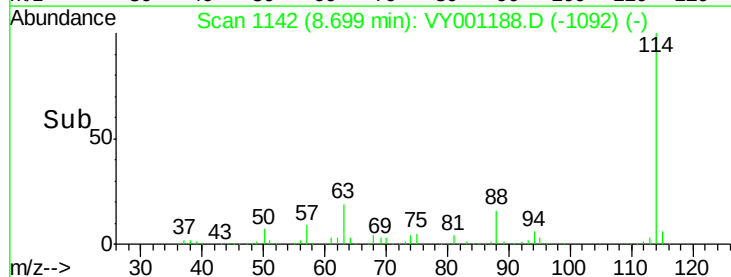
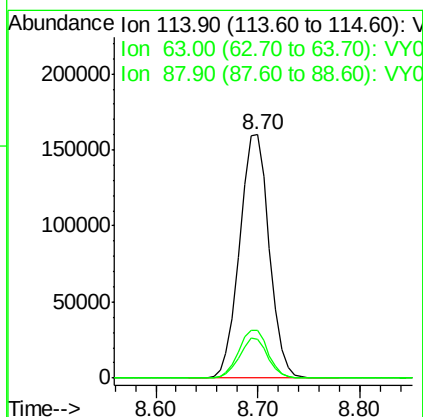
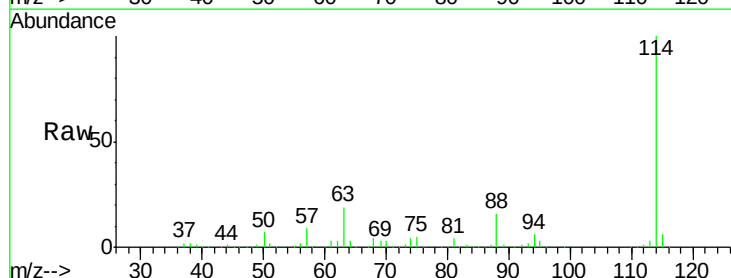
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

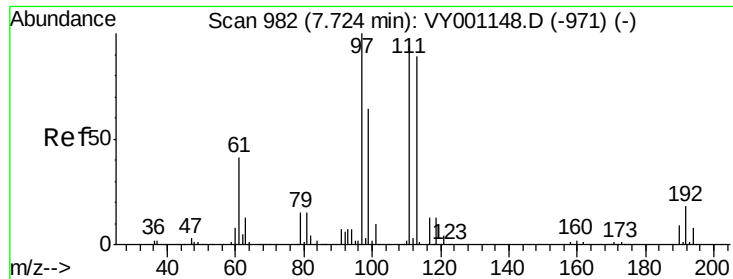
Tgt Ion: 65 Resp: 103298
 Ion Ratio Lower Upper
 65 100
 67 54.3 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. 0.01 min
 Lab File: VY001188.D
 Acq: 13 Jan 2020 18:21

Tgt Ion: 114 Resp: 321568
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 40.8
 88 15.8 0.0 32.4

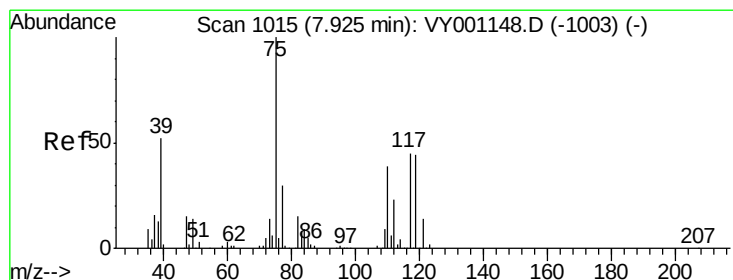
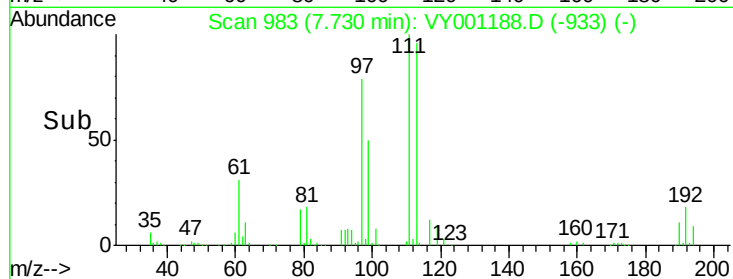
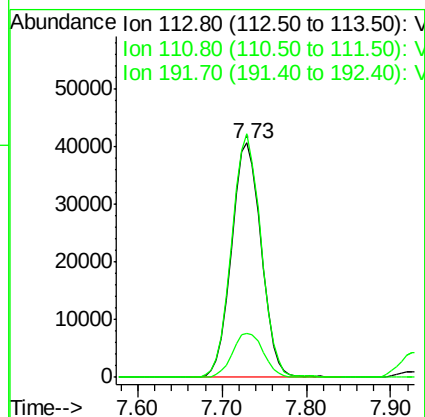
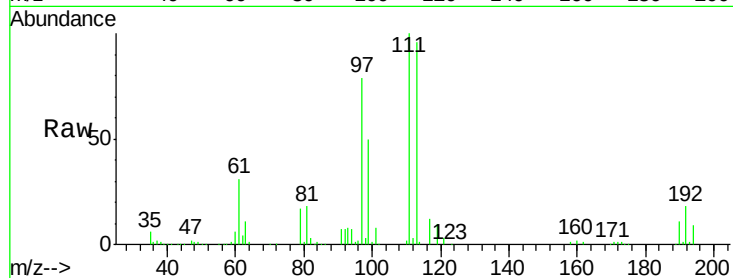




#35
 Dibromofluoromethane
 Concen: 51.449 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. 0.01 min
 Lab File: VY001188.D
 Acq: 13 Jan 2020 18:21

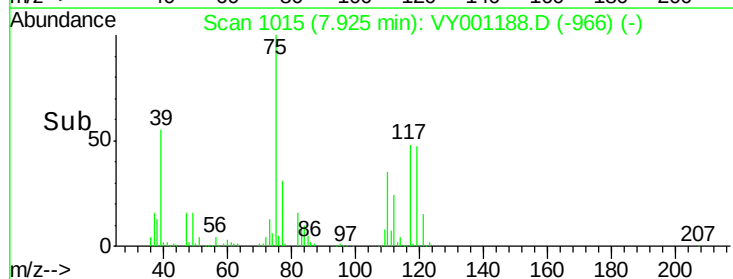
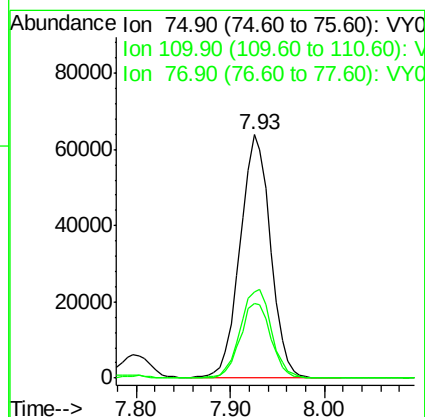
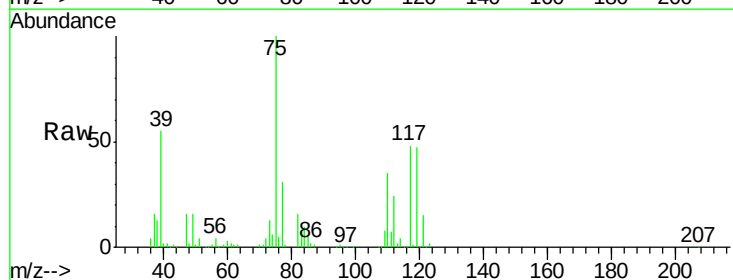
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

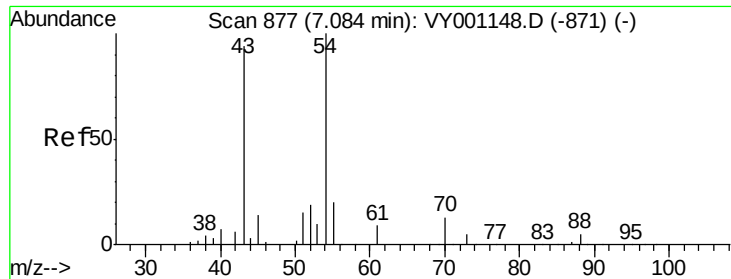
Tgt Ion:113 Resp: 96867
 Ion Ratio Lower Upper
 113 100
 111 102.6 82.9 124.3
 192 19.6 15.4 23.2



#36
 1,1-Dichloropropene
 Concen: 49.267 ug/l
 RT: 7.93 min Scan# 1015
 Delta R.T. -0.00 min
 Lab File: VY001188.D
 Acq: 13 Jan 2020 18:21

Tgt Ion: 75 Resp: 144395
 Ion Ratio Lower Upper
 75 100
 110 37.1 18.3 54.8
 77 31.5 25.1 37.7

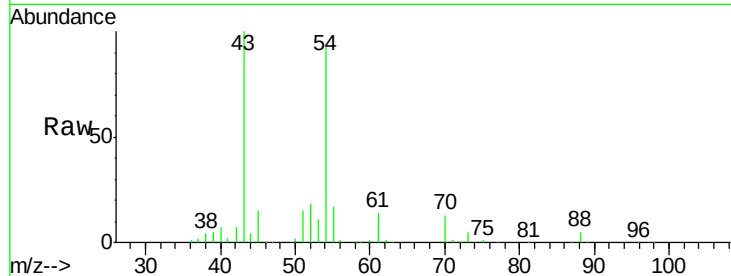




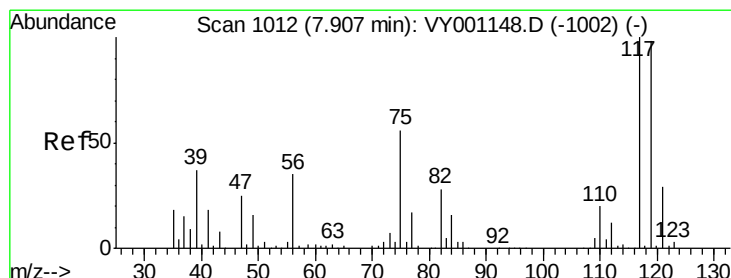
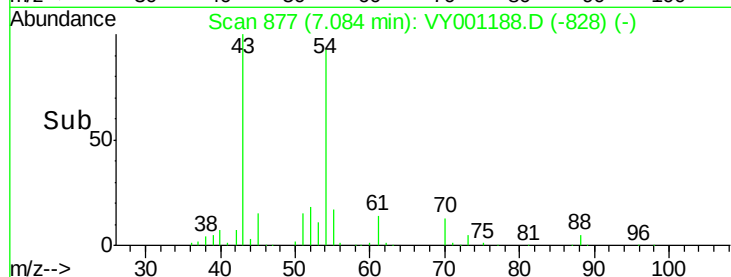
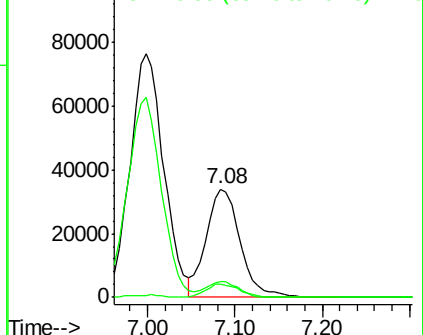
#37
Ethyl Acetate
Concen: 53.111 ug/l
RT: 7.08 min Scan# 877
Delta R.T. -0.00 min
Lab File: VY001188.D
Acq: 13 Jan 2020 18:21

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 91355
Ion Ratio Lower Upper
43 100
61 14.4 11.1 16.7
70 11.9 9.7 14.5

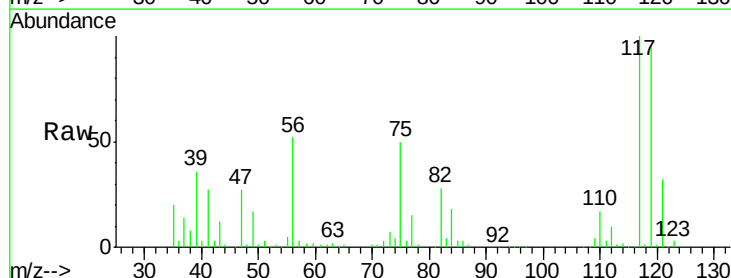


Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 60.90 (60.60 to 61.60): VY0
Ion 70.00 (69.70 to 70.70): VY0

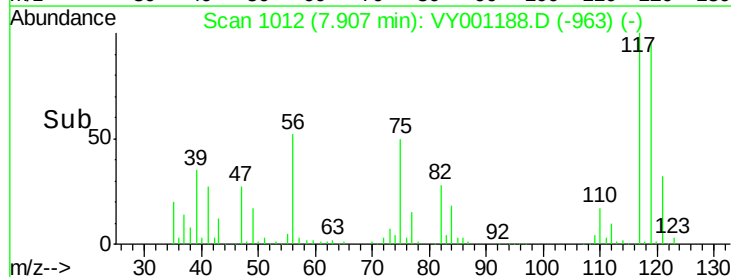
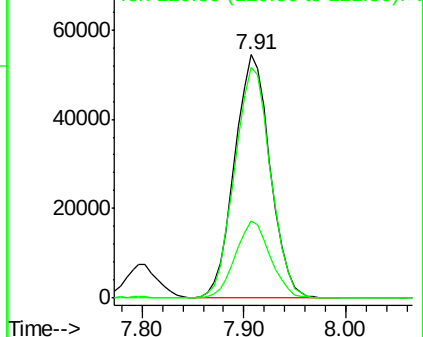


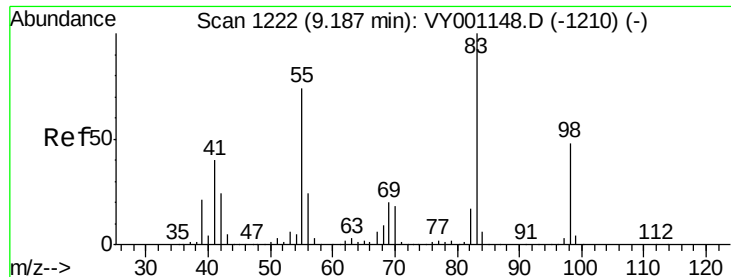
#38
Carbon Tetrachloride
Concen: 49.103 ug/l
RT: 7.91 min Scan# 1012
Delta R.T. -0.00 min
Lab File: VY001188.D
Acq: 13 Jan 2020 18:21

Tgt Ion: 117 Resp: 131892
Ion Ratio Lower Upper
117 100
119 94.9 78.3 117.5
121 31.7 23.5 35.3



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

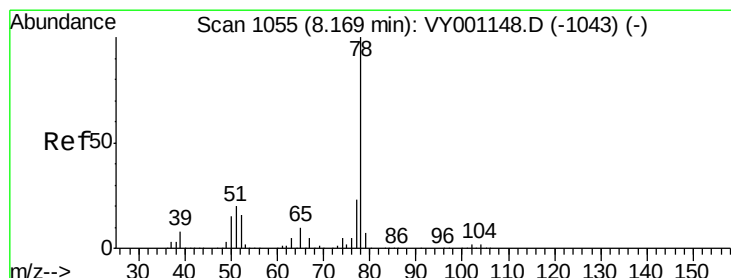
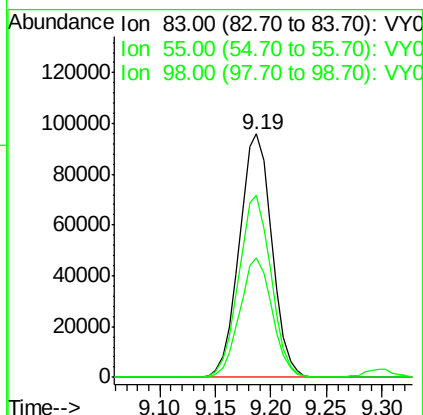
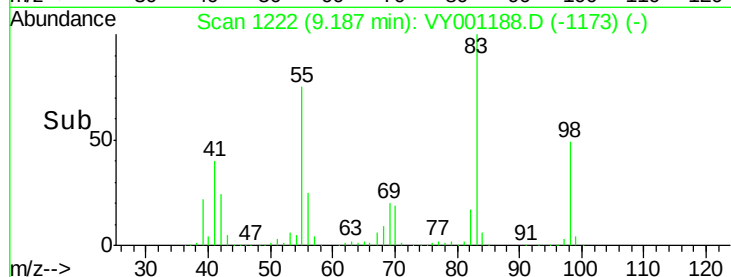
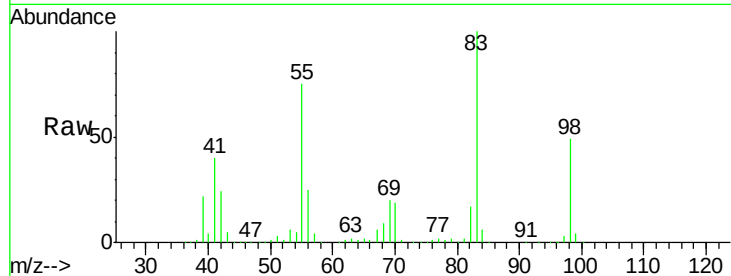




#39
Methylcyclohexane
Concen: 49.025 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. -0.00 min
Lab File: VY001188.D
Acq: 13 Jan 2020 18:21

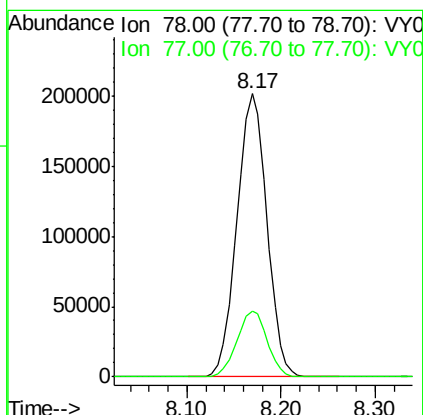
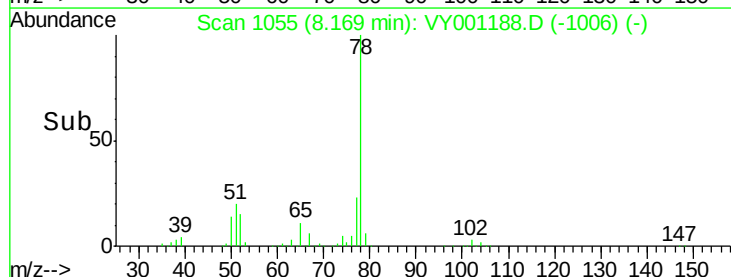
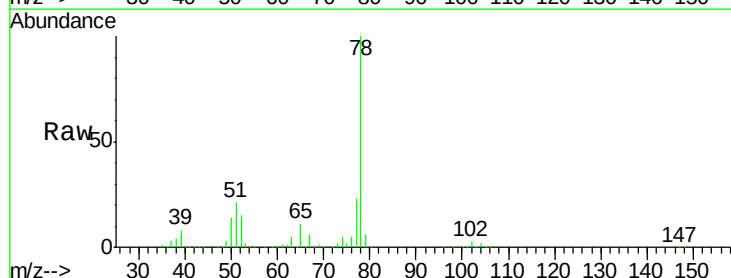
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

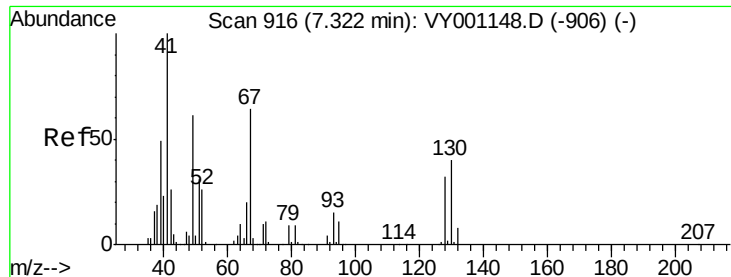
Tgt Ion: 83 Resp: 194802
Ion Ratio Lower Upper
83 100
55 74.6 58.9 88.3
98 49.1 38.4 57.6



#40
Benzene
Concen: 51.965 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. -0.00 min
Lab File: VY001188.D
Acq: 13 Jan 2020 18:21

Tgt Ion: 78 Resp: 444587
Ion Ratio Lower Upper
78 100
77 23.2 18.8 28.2

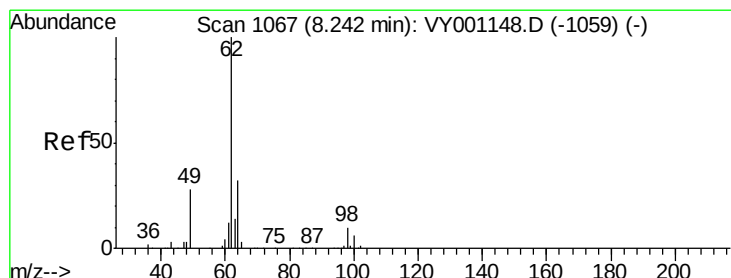
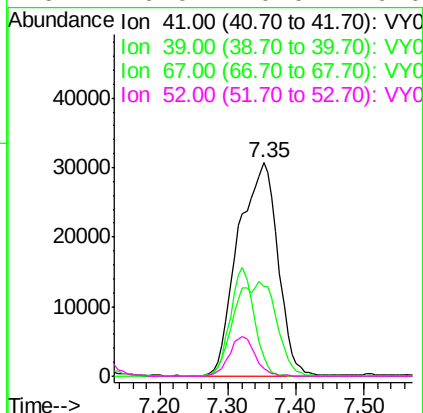
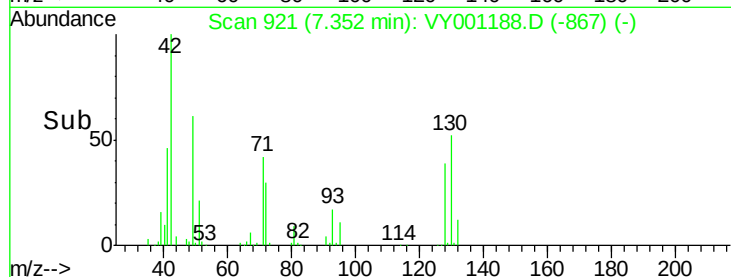
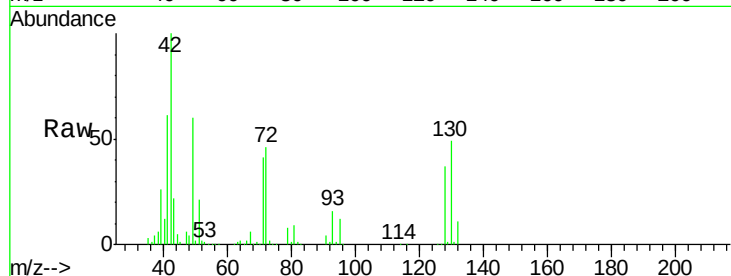




#41
Methacrylonitrile
Concen: 154.220 ug/l
RT: 7.35 min Scan# 921
Delta R.T. 0.03 min
Lab File: VY001188.D
Acq: 13 Jan 2020 18:21

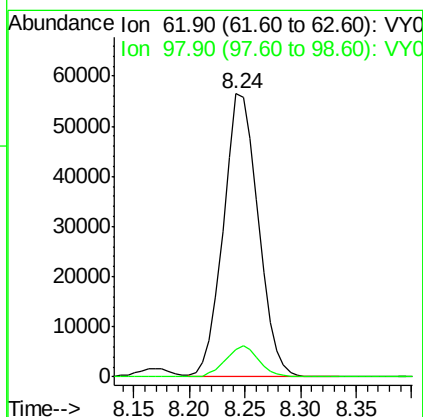
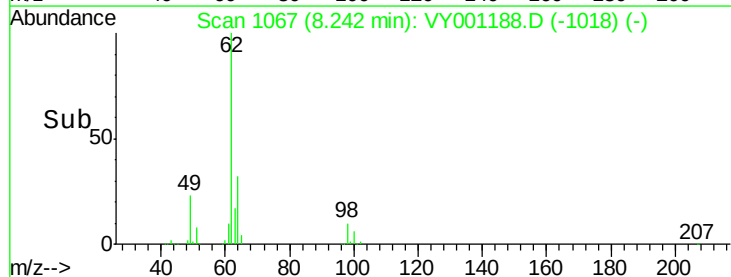
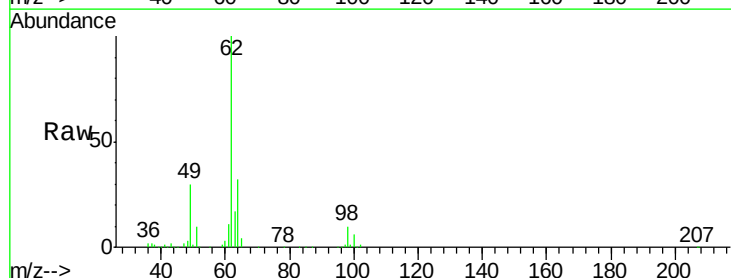
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

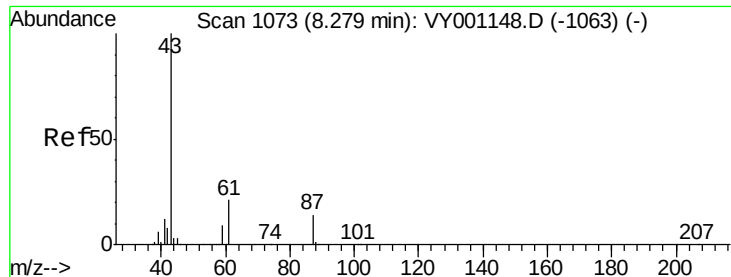
Tgt Ion: 41 Resp: 124607
Ion Ratio Lower Upper
41 100
39 0.0 103.5 155.3#
67 0.0 0.0 0.0
52 0.0 0.0 0.0



#42
1,2-Dichloroethane
Concen: 51.266 ug/l
RT: 8.24 min Scan# 1067
Delta R.T. -0.00 min
Lab File: VY001188.D
Acq: 13 Jan 2020 18:21

Tgt Ion: 62 Resp: 122814
Ion Ratio Lower Upper
62 100
98 10.3 0.0 20.4





#43

Isopropyl Acetate

Concen: 54.440 ug/l

RT: 8.28 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VY001188.D

Acq: 13 Jan 2020 18:21

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

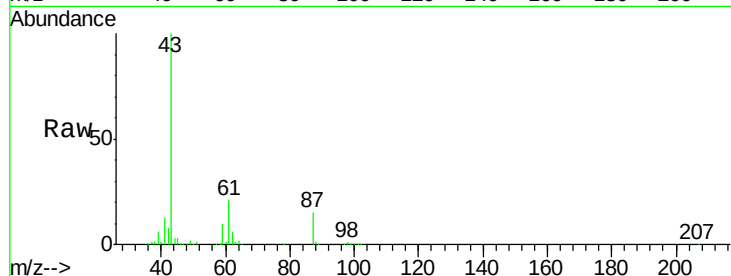
Tgt Ion: 43 Resp: 179061

Ion Ratio Lower Upper

43 100

61 28.9 23.9 35.9

87 14.2 11.4 17.2

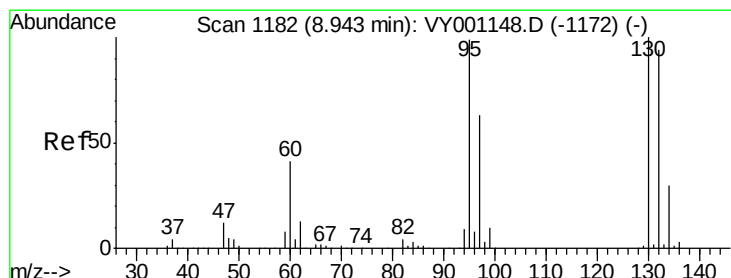
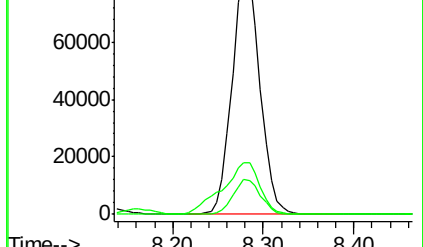
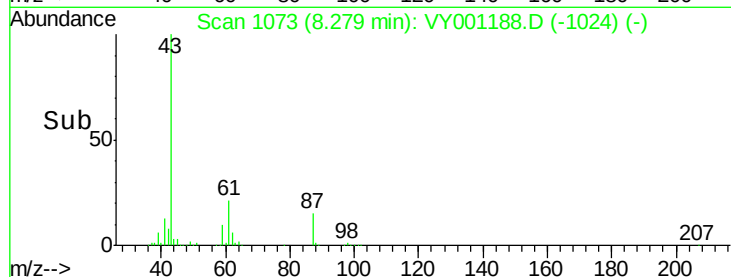


Abundance Ion 43.00 (42.70 to 43.70): VY001188.D (-1063) (-)

Ion 61.00 (60.70 to 61.70): VY001188.D (-1063) (-)

Ion 87.00 (86.70 to 87.70): VY001188.D (-1063) (-)

8.28



#44

Trichloroethene

Concen: 52.514 ug/l

RT: 8.94 min Scan# 1182

Delta R.T. -0.00 min

Lab File: VY001188.D

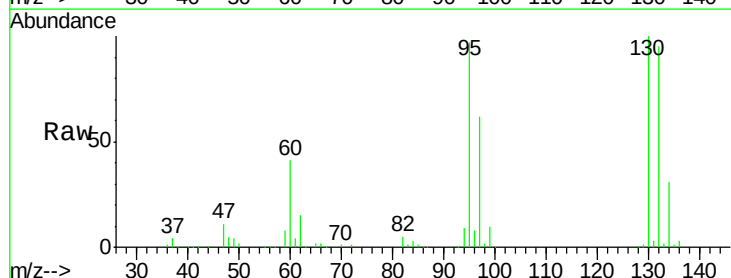
Acq: 13 Jan 2020 18:21

Tgt Ion: 130 Resp: 117071

Ion Ratio Lower Upper

130 100

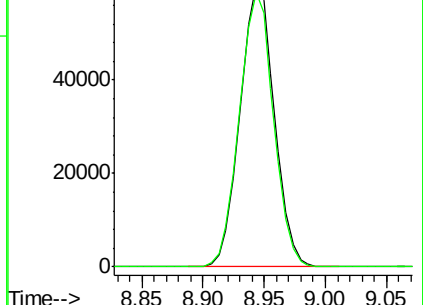
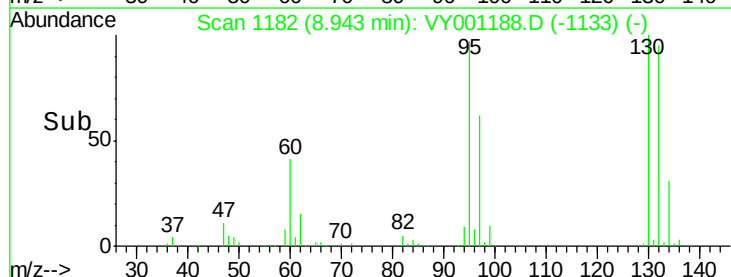
95 96.8 0.0 197.6

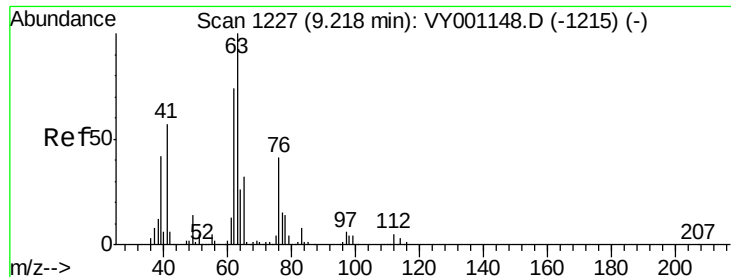


Abundance Ion 129.80 (129.50 to 130.50): VY001188.D (-1172) (-)

Ion 94.90 (94.60 to 95.60): VY001188.D (-1172) (-)

8.94

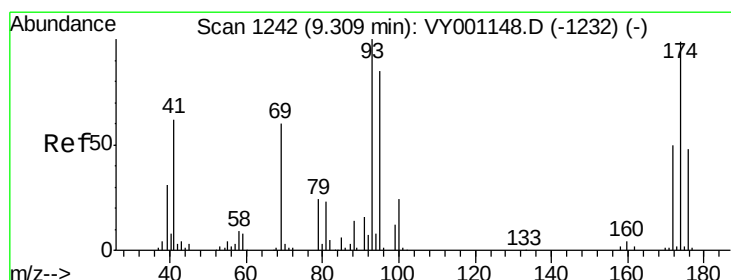
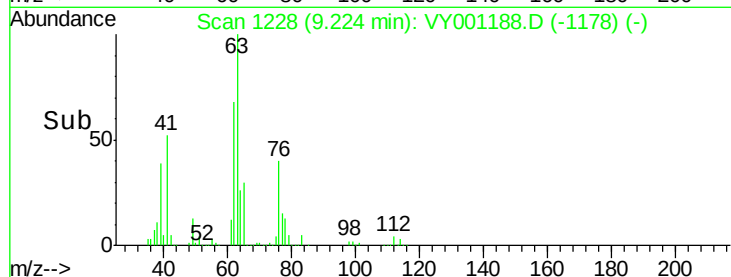
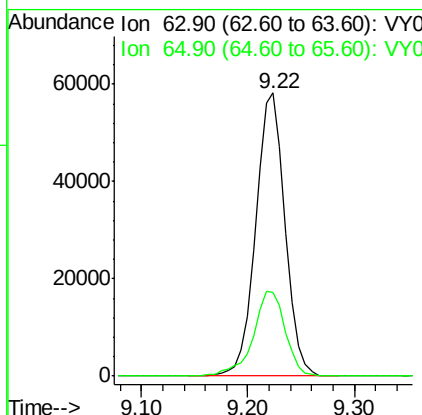
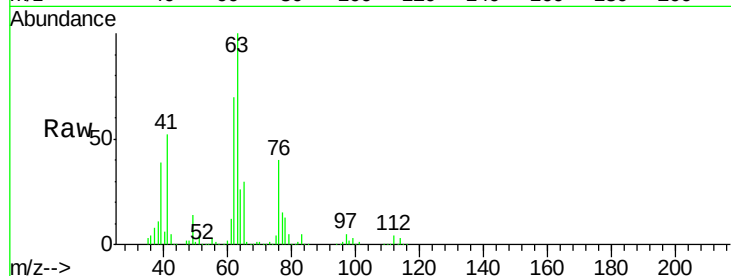




#45
 1,2-Dichloropropane
 Concen: 53.036 ug/l
 RT: 9.22 min Scan# 1228
 Delta R.T. 0.01 min
 Lab File: VY001188.D
 Acq: 13 Jan 2020 18:21

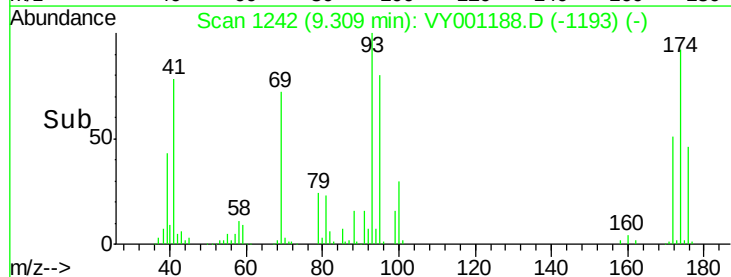
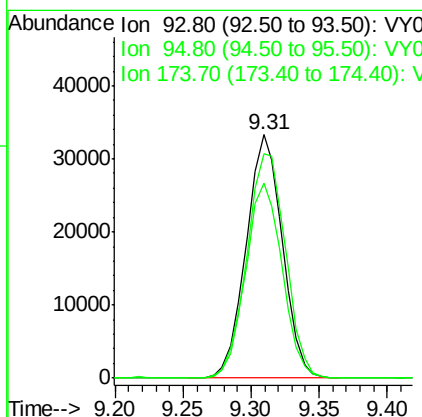
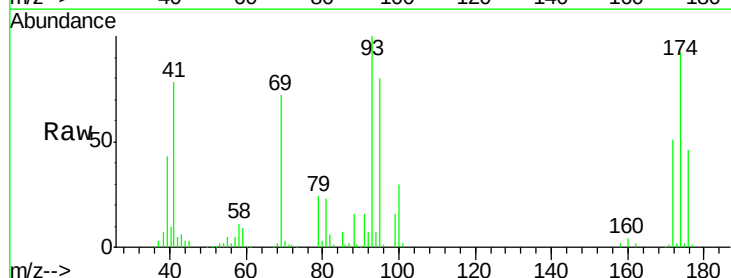
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

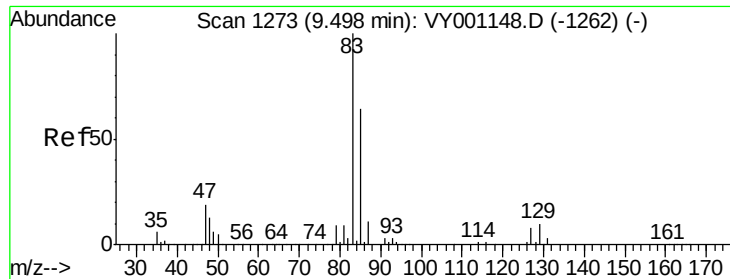
Tgt Ion: 63 Resp: 112175
 Ion Ratio Lower Upper
 63 100
 65 29.7 25.8 38.8



#46
 Dibromomethane
 Concen: 53.841 ug/l
 RT: 9.31 min Scan# 1242
 Delta R.T. -0.00 min
 Lab File: VY001188.D
 Acq: 13 Jan 2020 18:21

Tgt Ion: 93 Resp: 62134
 Ion Ratio Lower Upper
 93 100
 95 81.7 66.8 100.2
 174 98.1 78.4 117.6





#47

Bromodichloromethane

Concen: 52.231 ug/l

RT: 9.50 min Scan# 1274

Delta R.T. 0.01 min

Lab File: VY001188.D

Acq: 13 Jan 2020 18:21

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

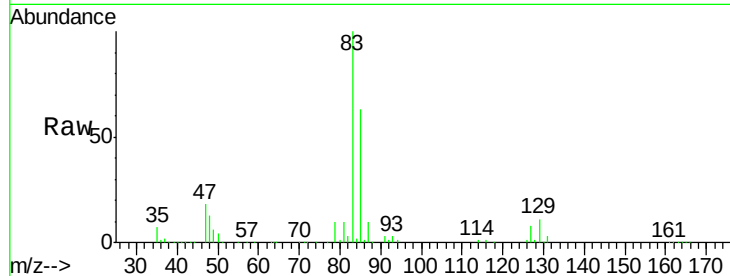
Tgt Ion: 83 Resp: 146899

Ion Ratio Lower Upper

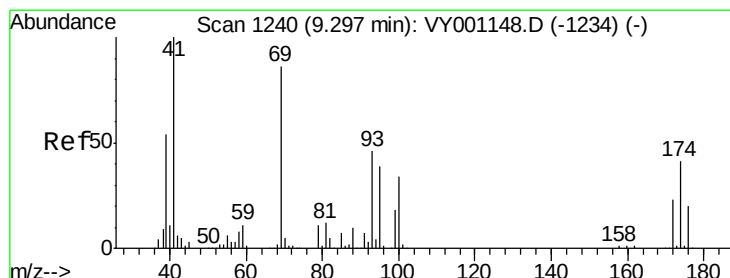
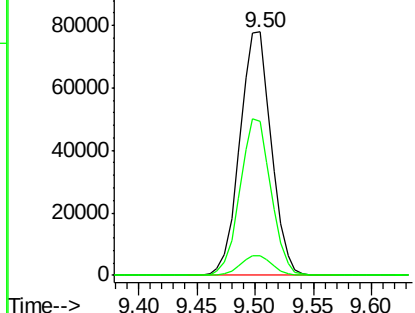
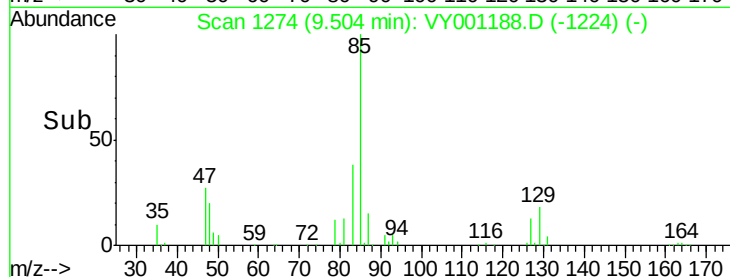
83 100

85 63.1 51.5 77.3

127 8.1 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: 53.820 ug/l

RT: 9.30 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VY001188.D

Acq: 13 Jan 2020 18:21

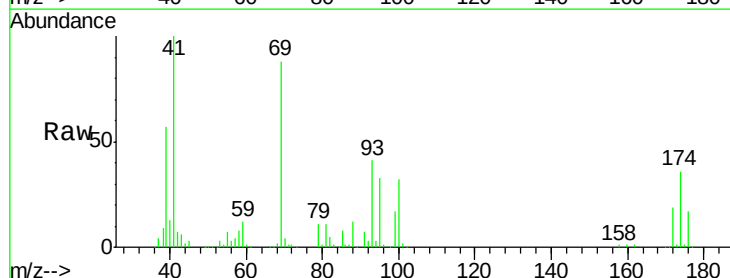
Tgt Ion: 41 Resp: 81918

Ion Ratio Lower Upper

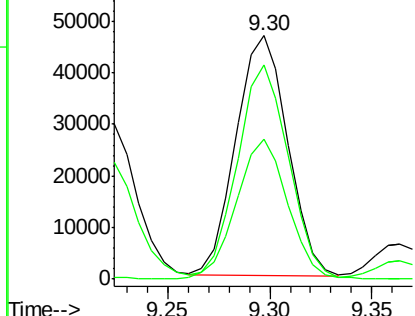
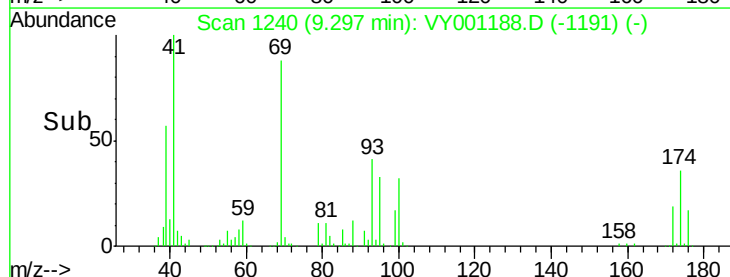
41 100

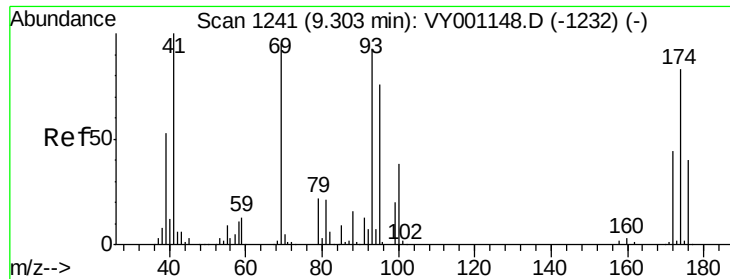
69 89.3 69.8 104.8

39 57.5 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

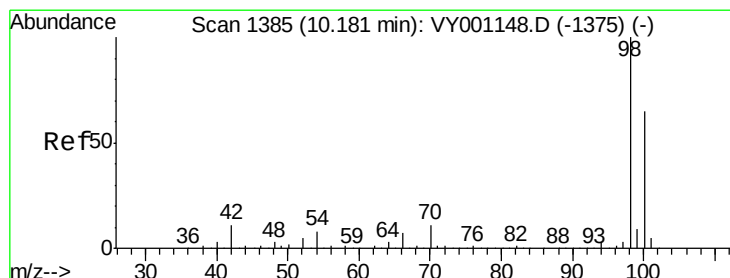
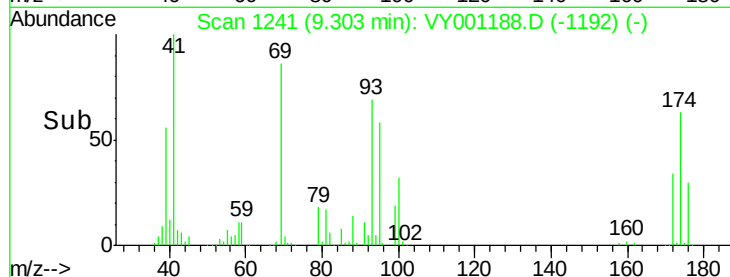
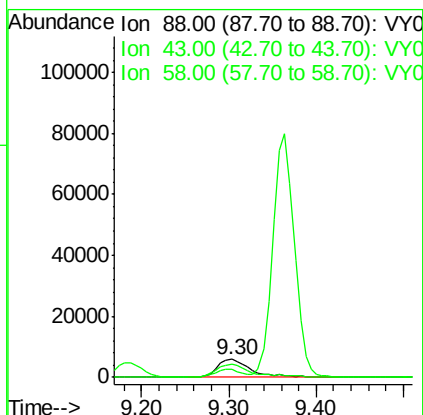
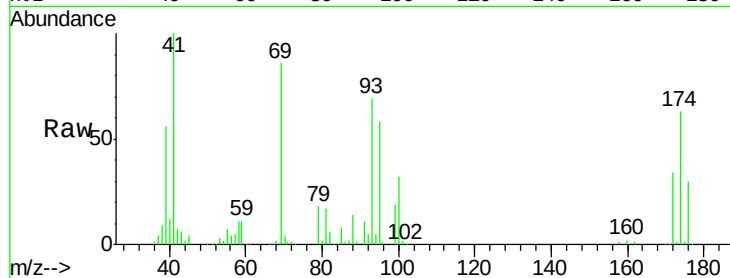




#49
 1,4-Dioxane
 Concen: 1161.449 ug/l
 RT: 9.30 min Scan# 1241
 Delta R.T. -0.00 min
 Lab File: VY001188.D
 Acq: 13 Jan 2020 18:21

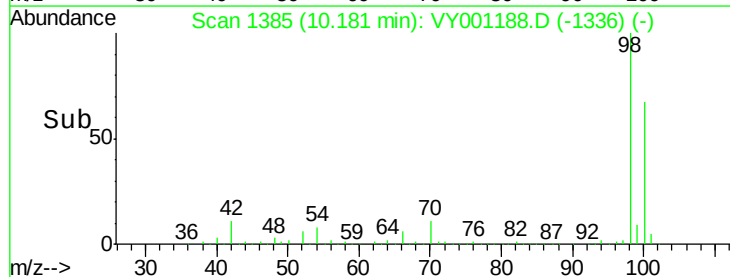
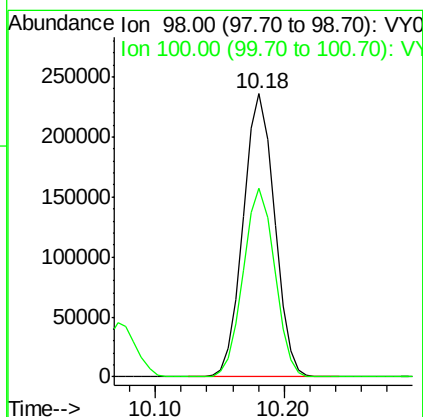
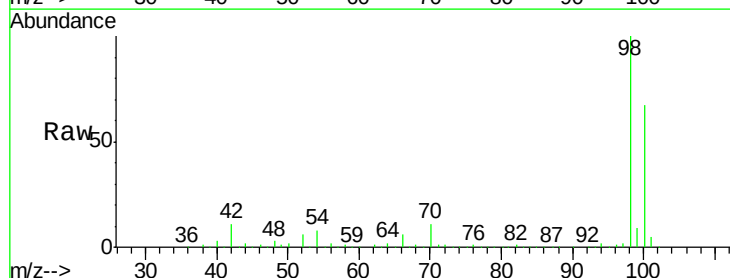
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

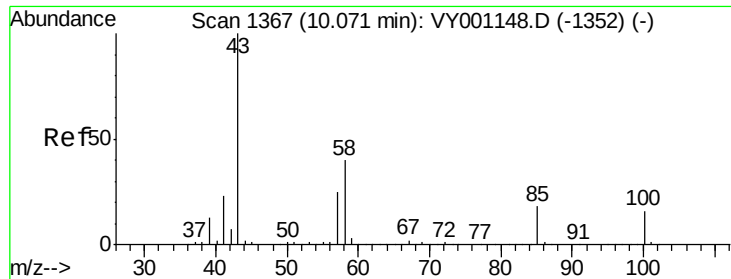
Tgt Ion: 88 Resp: 16323
 Ion Ratio Lower Upper
 88 100
 43 30.7 22.4 33.6
 58 76.4 58.0 87.0



#50
 Toluene-d8
 Concen: 54.748 ug/l
 RT: 10.18 min Scan# 1385
 Delta R.T. -0.00 min
 Lab File: VY001188.D
 Acq: 13 Jan 2020 18:21

Tgt Ion: 98 Resp: 397178
 Ion Ratio Lower Upper
 98 100
 100 66.9 53.1 79.7

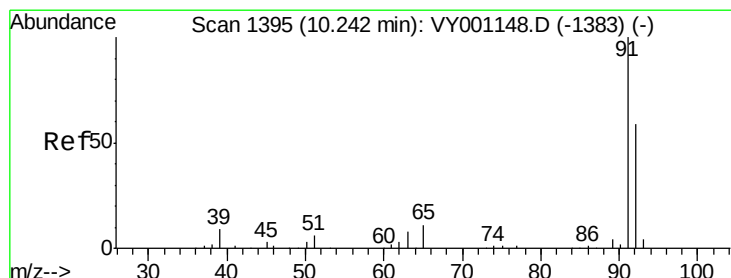
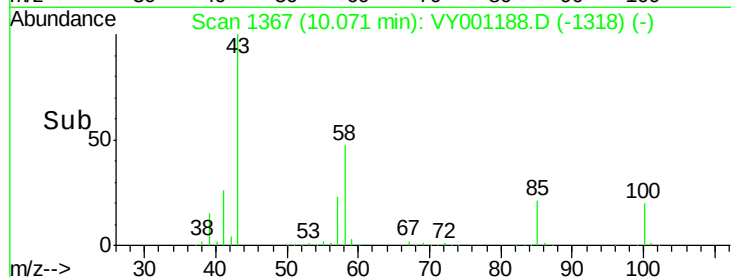
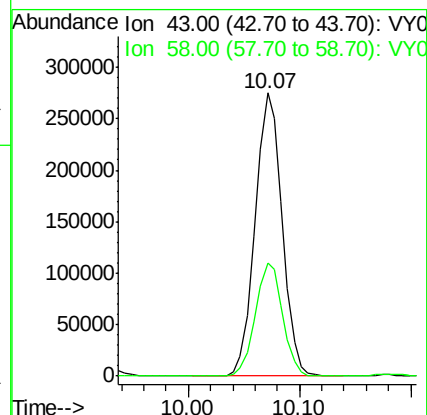
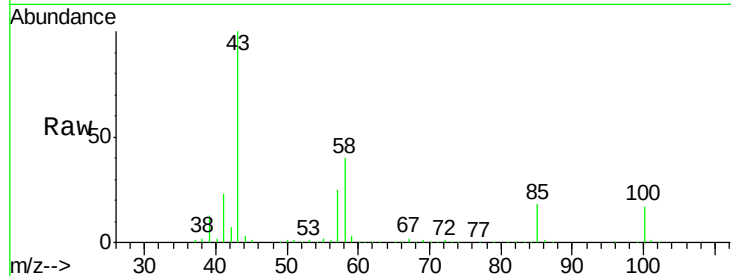




#51
4-Methyl-2-Pentanone
Concen: 277.821 ug/l
RT: 10.07 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VY001188.D
Acq: 13 Jan 2020 18:21

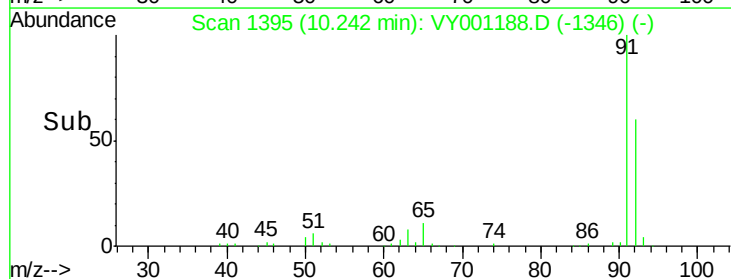
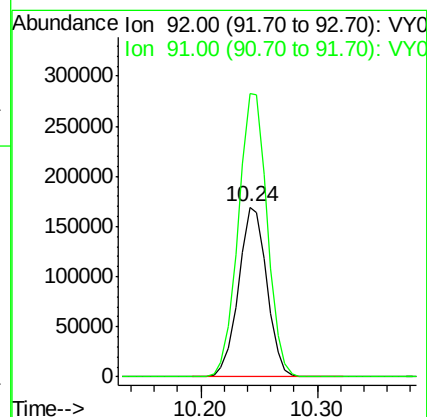
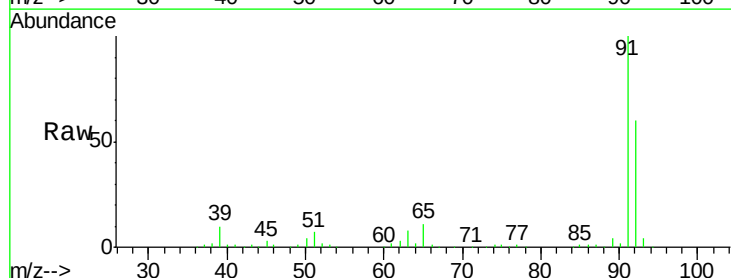
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

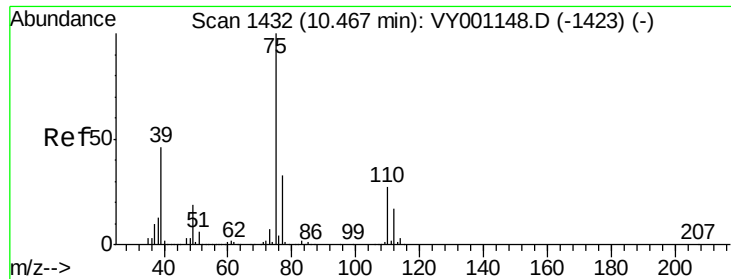
Tgt Ion: 43 Resp: 463665
Ion Ratio Lower Upper
43 100
58 40.3 32.3 48.5



#52
Toluene
Concen: 52.550 ug/l
RT: 10.24 min Scan# 1395
Delta R.T. -0.00 min
Lab File: VY001188.D
Acq: 13 Jan 2020 18:21

Tgt Ion: 92 Resp: 286753
Ion Ratio Lower Upper
92 100
91 170.3 136.6 204.8





#53

t-1,3-Dichloropropene

Concen: 52.352 ug/l

RT: 10.47 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VY001188.D

Acq: 13 Jan 2020 18:21

Instrument :

MSVOA_Y

ClientSampleId :

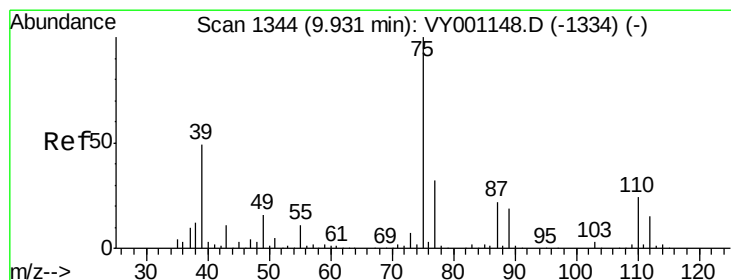
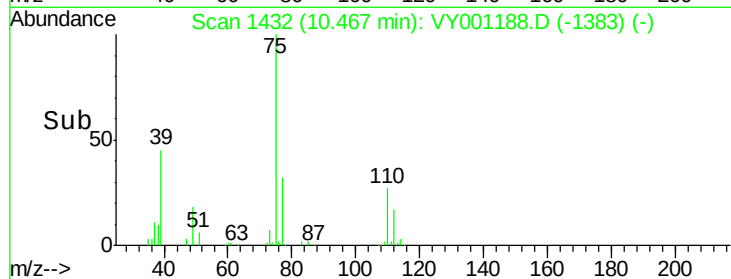
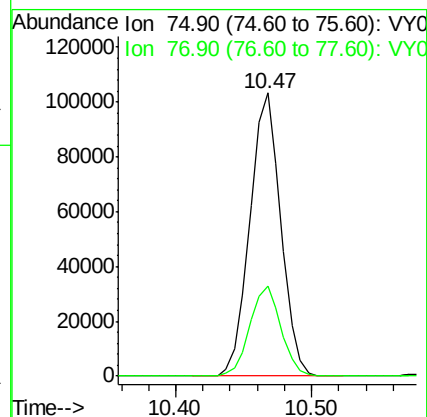
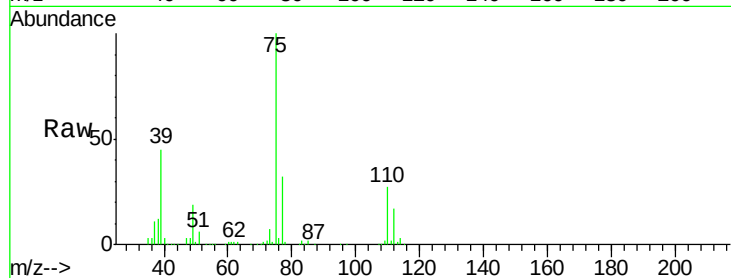
VSTDCCC050EC

Tgt Ion: 75 Resp: 164759

Ion Ratio Lower Upper

75 100

77 31.6 26.2 39.2



#54

cis-1,3-Dichloropropene

Concen: 52.216 ug/l

RT: 9.93 min Scan# 1344

Delta R.T. -0.00 min

Lab File: VY001188.D

Acq: 13 Jan 2020 18:21

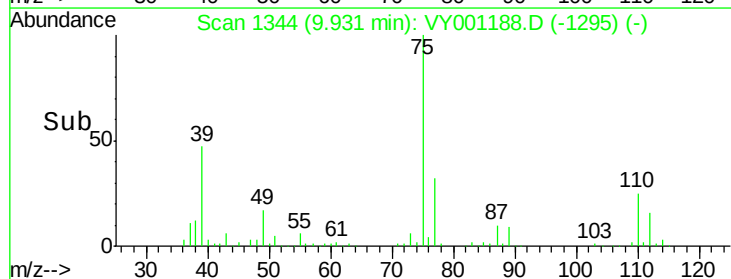
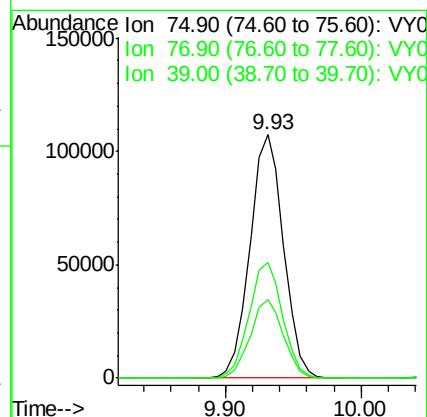
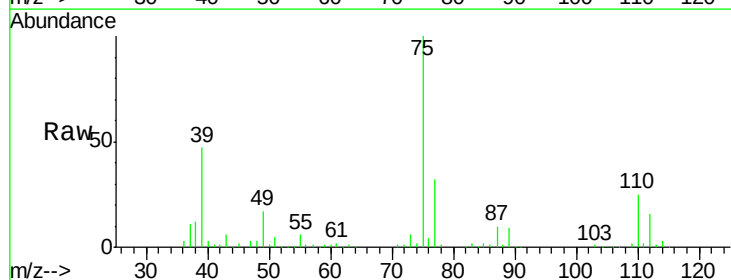
Tgt Ion: 75 Resp: 185279

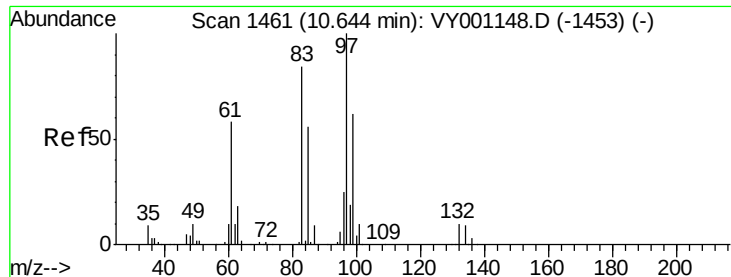
Ion Ratio Lower Upper

75 100

77 32.0 25.3 37.9

39 47.3 39.1 58.7

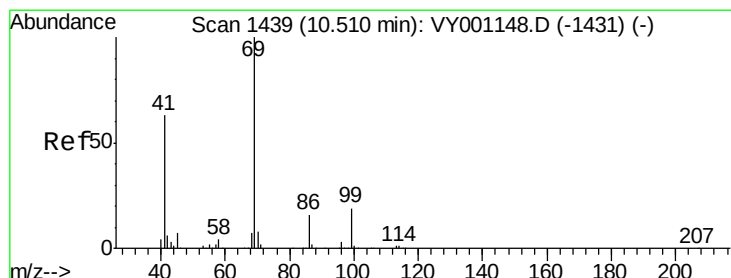
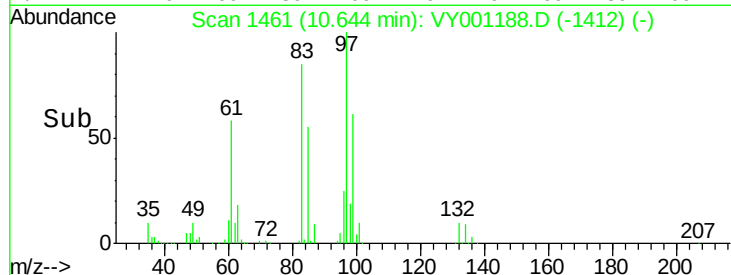
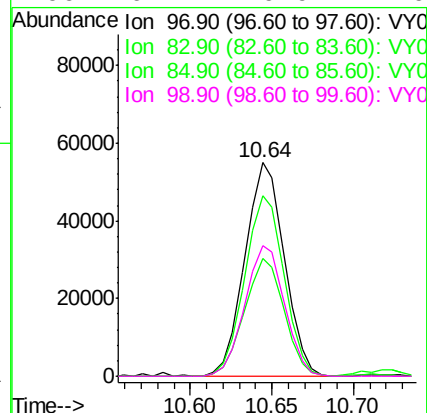
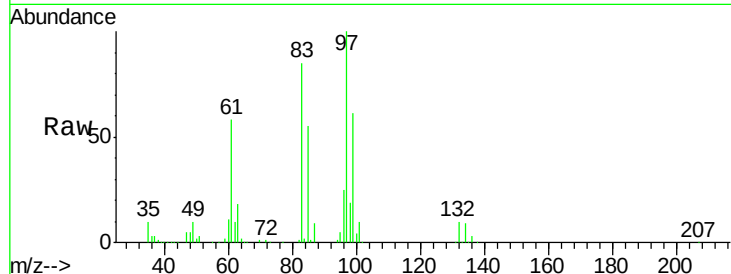




#55
 1,1,2-Trichloroethane
 Concen: 53.939 ug/l
 RT: 10.64 min Scan# 1461
 Delta R.T. -0.00 min
 Lab File: VY001188.D
 Acq: 13 Jan 2020 18:21

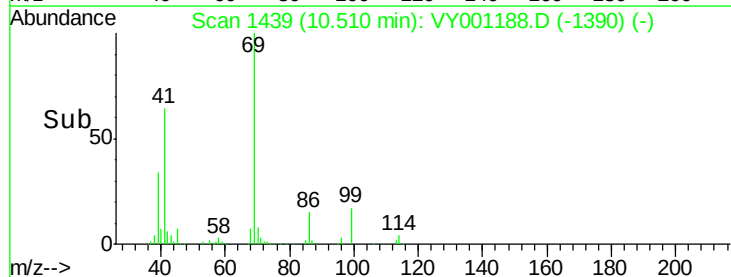
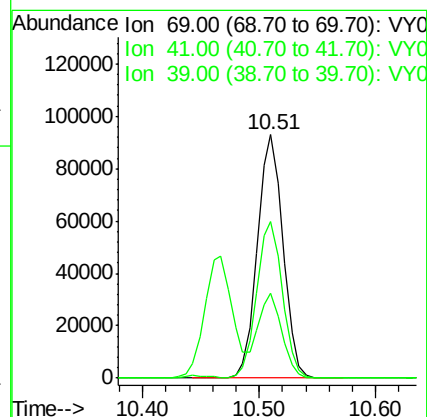
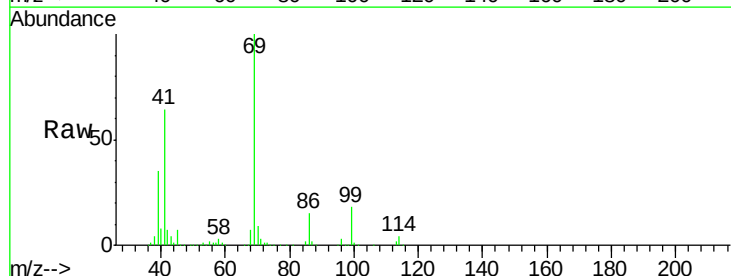
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

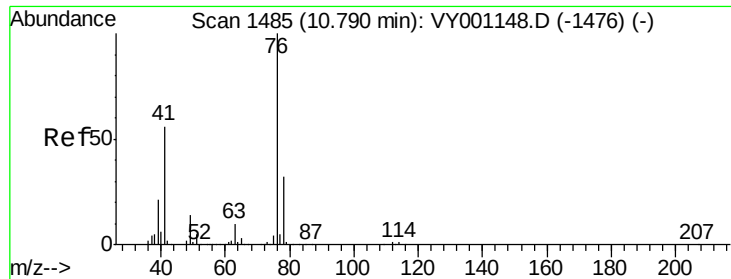
Tgt Ion:	97	Resp:	92281
Ion	Ratio	Lower	Upper
97	100		
83	84.8	67.2	100.8
85	55.0	44.9	67.3
99	61.1	49.9	74.9



#56
 Ethyl methacrylate
 Concen: 54.542 ug/l
 RT: 10.51 min Scan# 1439
 Delta R.T. -0.00 min
 Lab File: VY001188.D
 Acq: 13 Jan 2020 18:21

Tgt Ion:	69	Resp:	142737
Ion	Ratio	Lower	Upper
69	100		
41	64.4	51.4	77.2
39	34.0	26.3	39.5

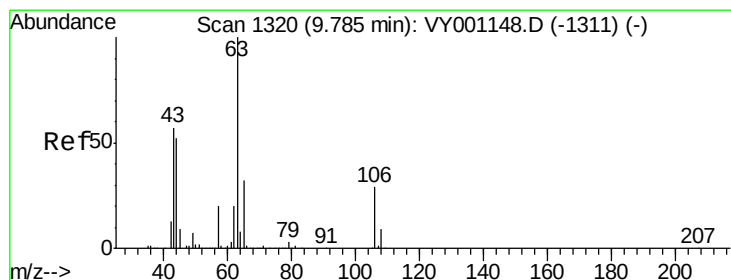
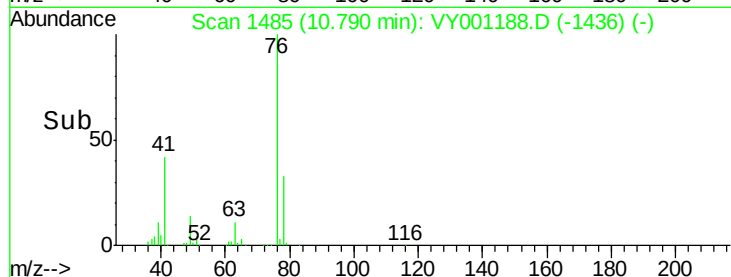
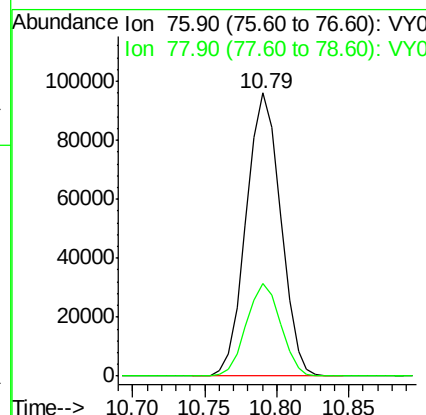
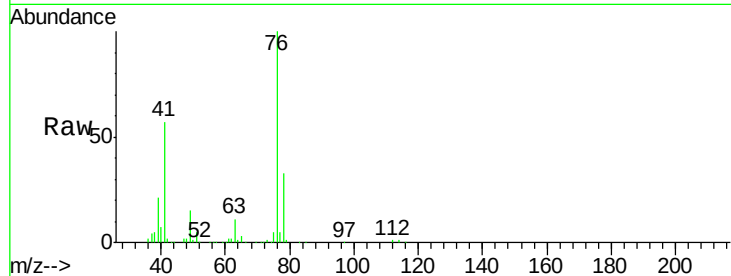




#57
 1,3-Dichloropropane
 Concen: 54.372 ug/l
 RT: 10.79 min Scan# 1485
 Delta R.T. -0.00 min
 Lab File: VY001188.D
 Acq: 13 Jan 2020 18:21

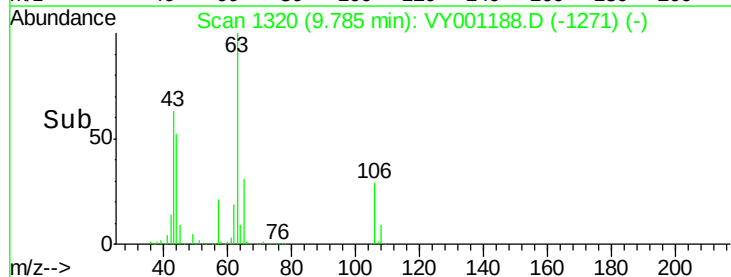
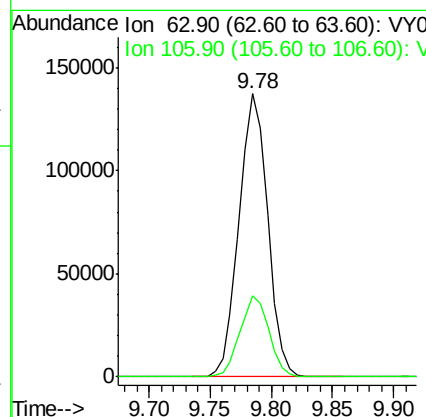
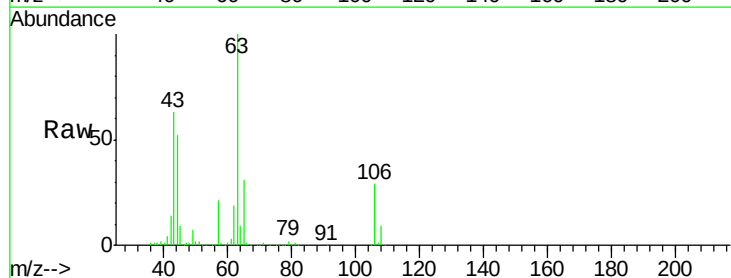
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

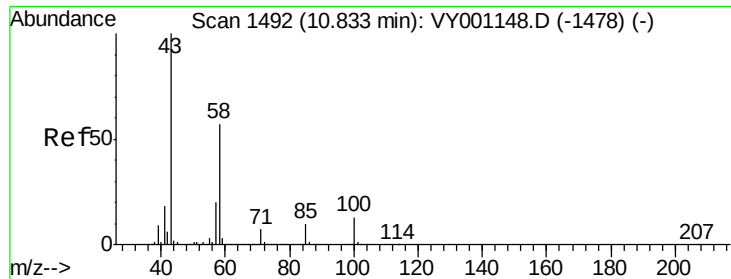
Tgt Ion: 76 Resp: 159694
 Ion Ratio Lower Upper
 76 100
 78 32.5 26.1 39.1



#58
 2-Chloroethyl Vinyl ether
 Concen: 242.279 ug/l
 RT: 9.78 min Scan# 1320
 Delta R.T. -0.00 min
 Lab File: VY001188.D
 Acq: 13 Jan 2020 18:21

Tgt Ion: 63 Resp: 223003
 Ion Ratio Lower Upper
 63 100
 106 29.0 23.0 34.6

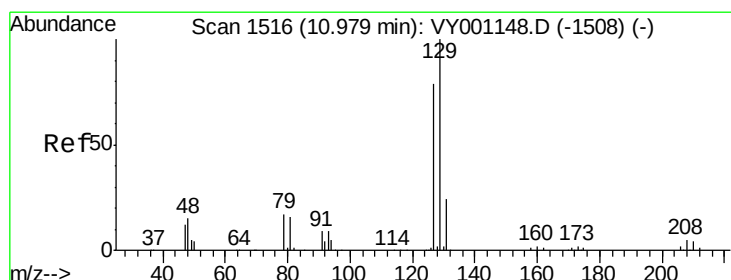
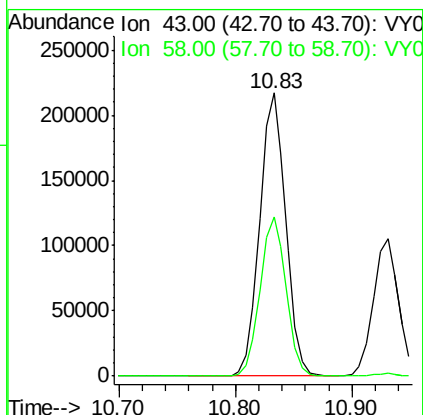
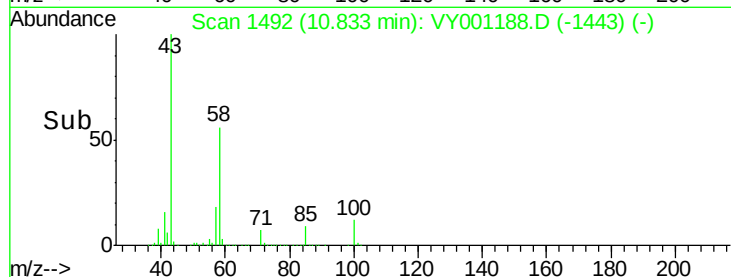
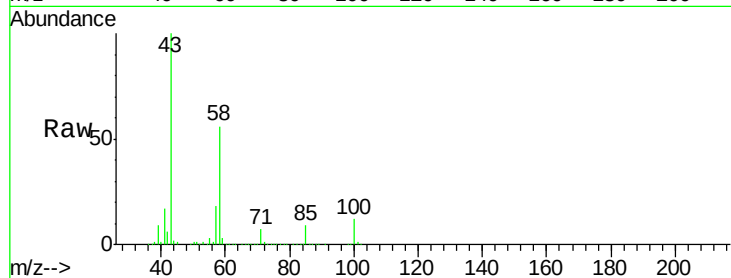




#59
2-Hexanone
Concen: 289.269 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VY001188.D
Acq: 13 Jan 2020 18:21

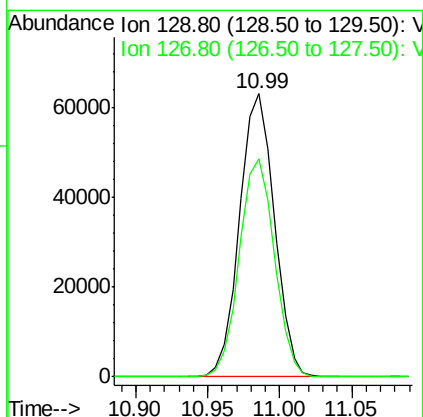
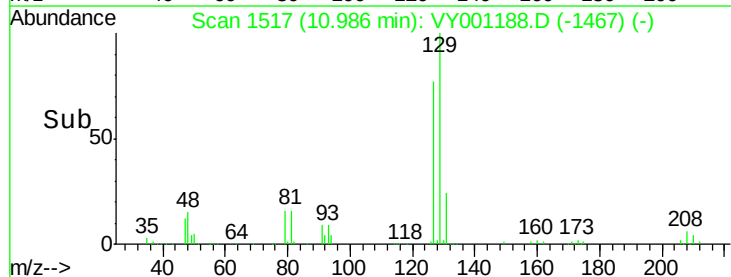
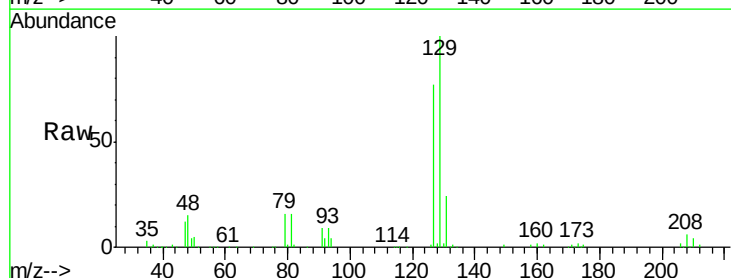
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

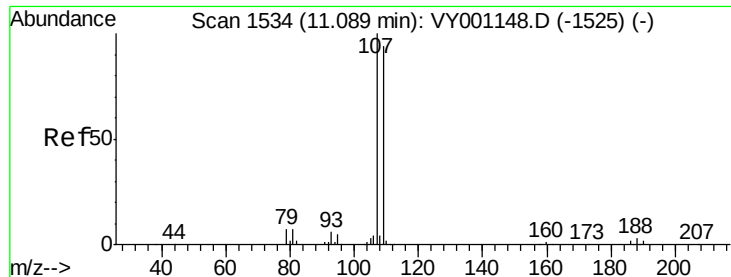
Tgt Ion: 43 Resp: 338341
Ion Ratio Lower Upper
43 100
58 56.1 28.4 85.2



#60
Dibromochloromethane
Concen: 53.924 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. 0.01 min
Lab File: VY001188.D
Acq: 13 Jan 2020 18:21

Tgt Ion: 129 Resp: 106220
Ion Ratio Lower Upper
129 100
127 77.3 38.9 116.7

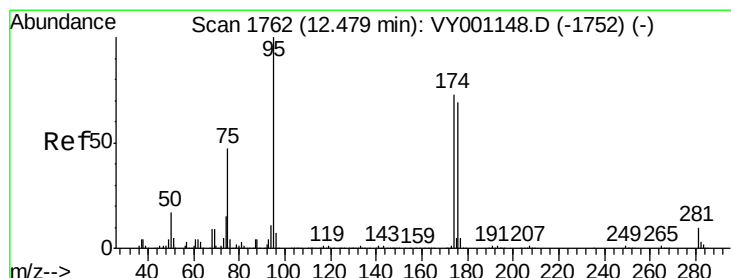
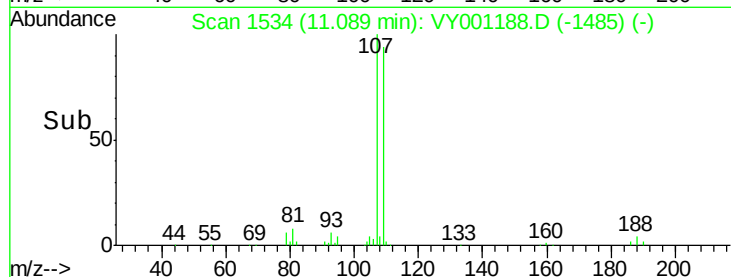
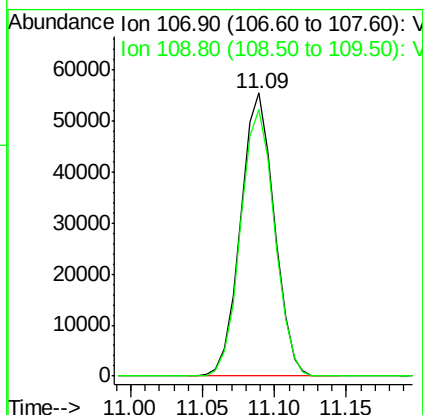
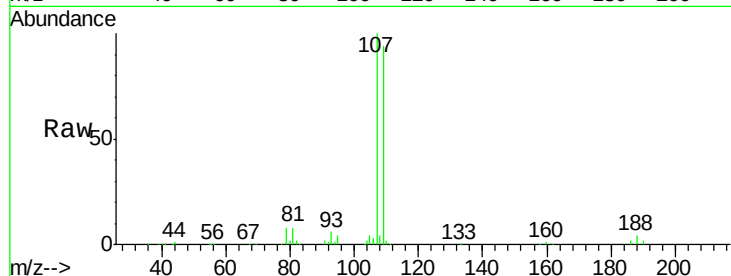




#61
 1,2-Dibromoethane
 Concen: 53.687 ug/l
 RT: 11.09 min Scan# 1534
 Delta R.T. -0.00 min
 Lab File: VY001188.D
 Acq: 13 Jan 2020 18:21

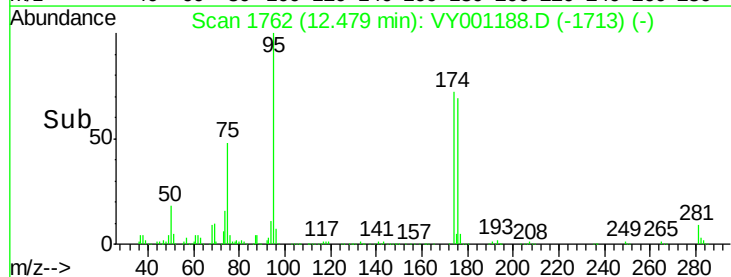
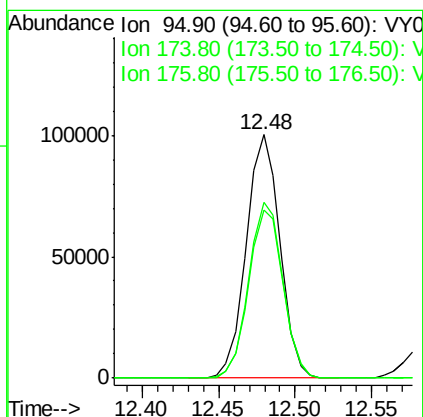
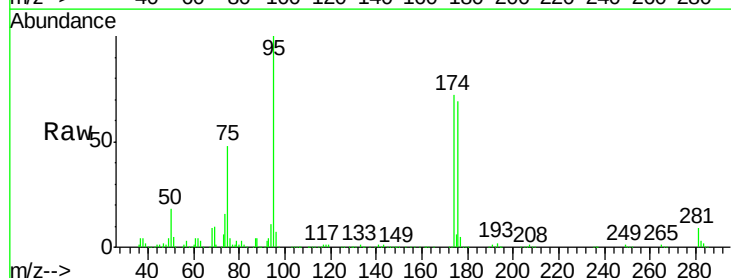
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

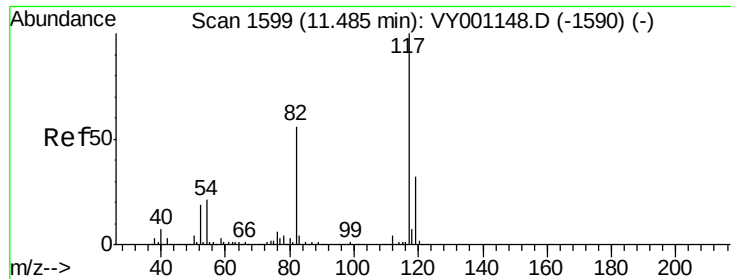
Tgt Ion: 107 Resp: 89686
 Ion Ratio Lower Upper
 107 100
 109 95.2 75.4 113.0



#62
 4-Bromofluorobenzene
 Concen: 51.613 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. -0.00 min
 Lab File: VY001188.D
 Acq: 13 Jan 2020 18:21

Tgt Ion: 95 Resp: 153080
 Ion Ratio Lower Upper
 95 100
 174 73.3 0.0 143.2
 176 71.2 0.0 136.0

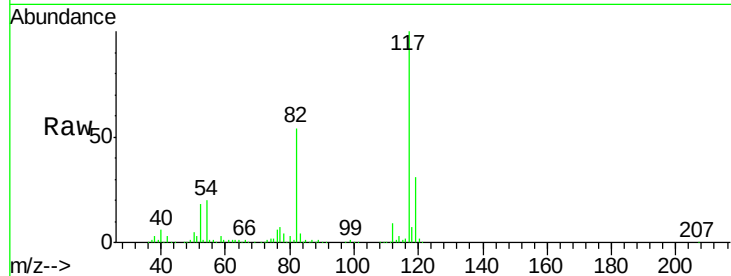




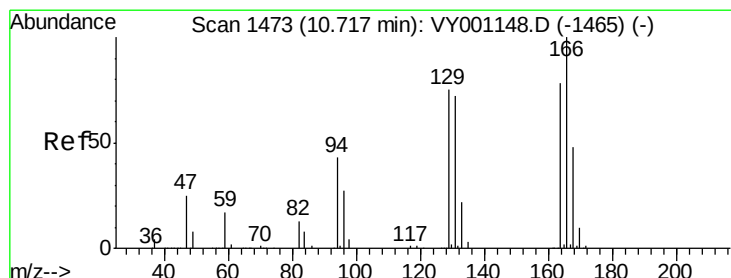
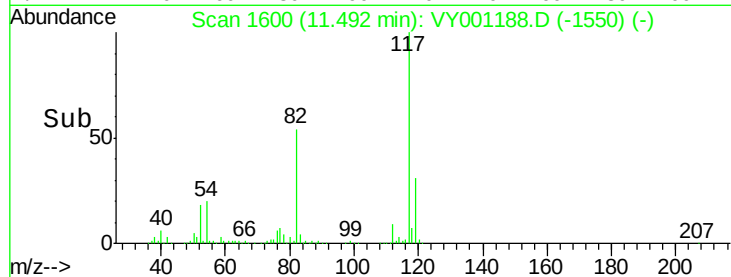
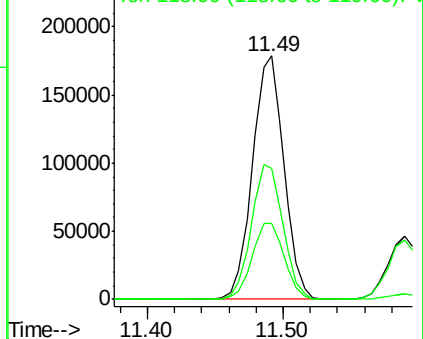
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.01 min
Lab File: VY001188.D
Acq: 13 Jan 2020 18:21

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:117 Resp: 290439
Ion Ratio Lower Upper
117 100
82 54.0 44.9 67.3
119 31.2 25.7 38.5

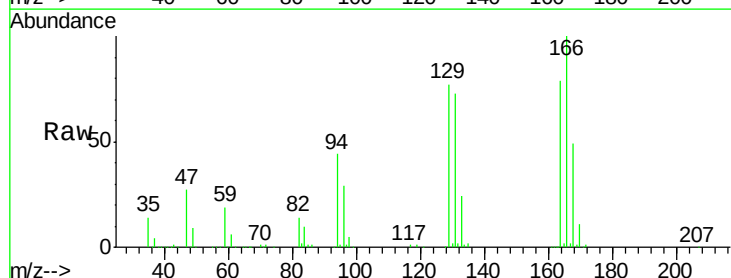


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

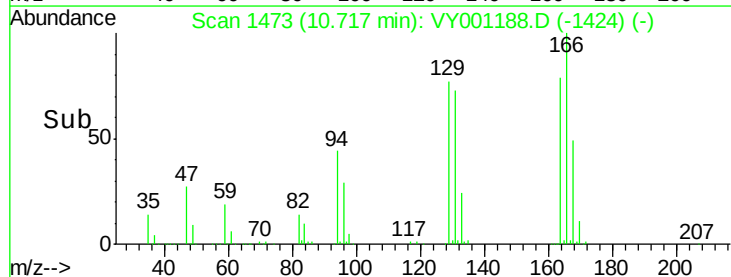
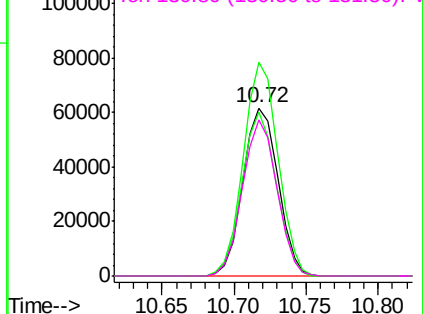


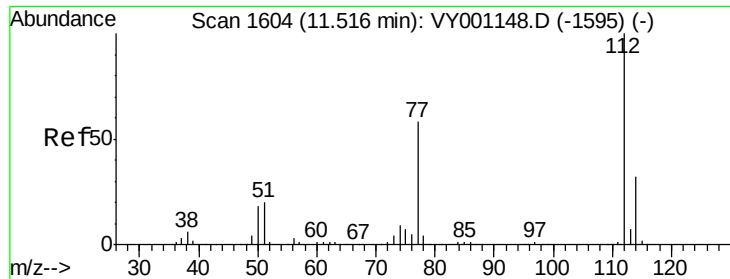
#64
Tetrachloroethene
Concen: 55.613 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VY001188.D
Acq: 13 Jan 2020 18:21

Tgt Ion:164 Resp: 104122
Ion Ratio Lower Upper
164 100
166 127.3 102.3 153.5
129 97.5 76.2 114.4
131 93.1 73.9 110.9



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

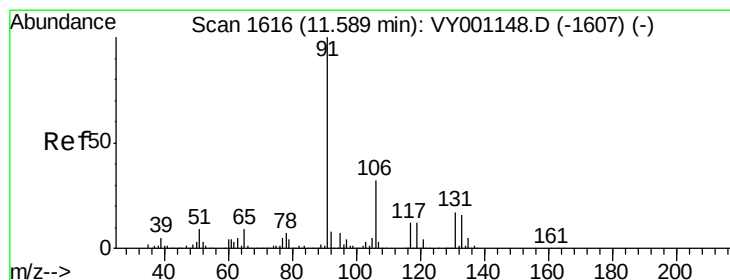
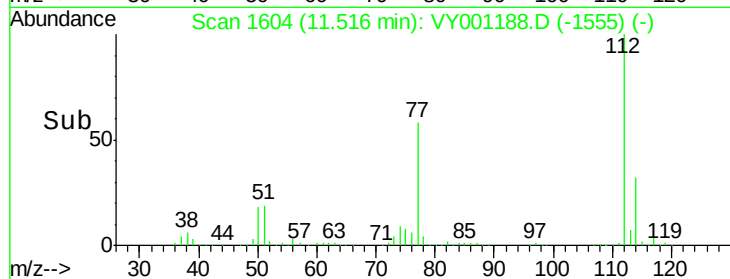
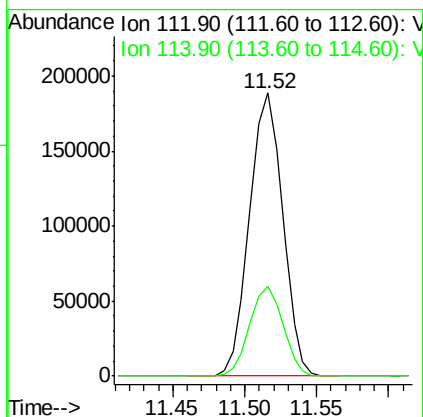
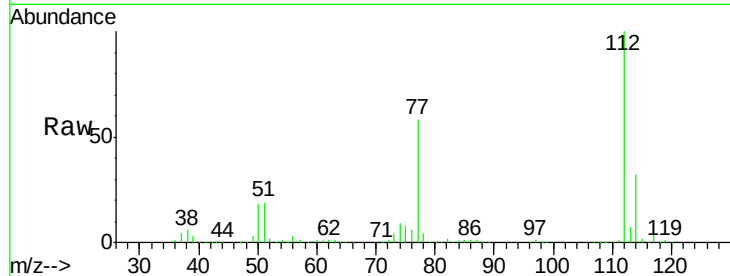




#65
Chlorobenzene
Concen: 52.026 ug/l
RT: 11.52 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VY001188.D
Acq: 13 Jan 2020 18:21

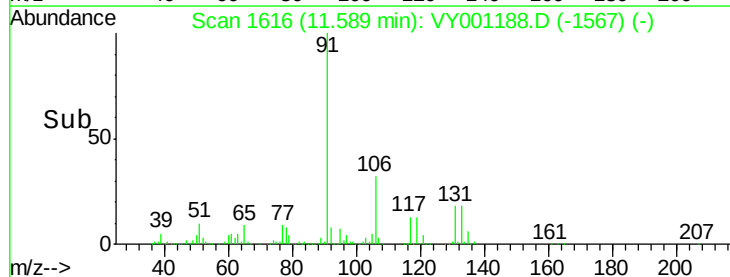
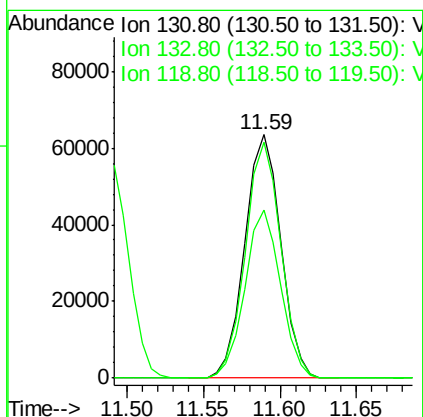
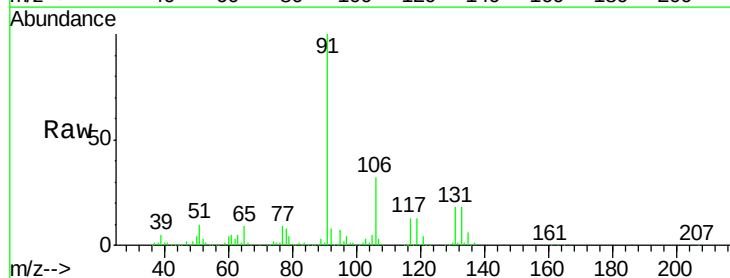
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

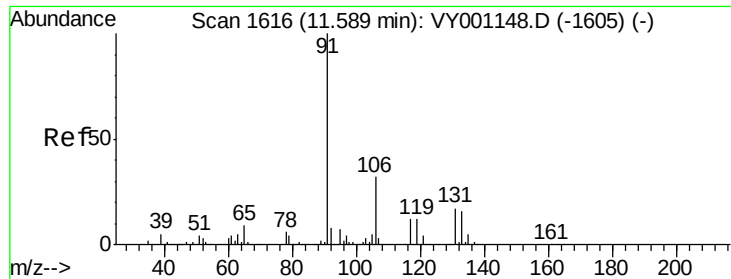
Tgt Ion:112 Resp: 301930
Ion Ratio Lower Upper
112 100
114 32.0 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 52.053 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. -0.00 min
Lab File: VY001188.D
Acq: 13 Jan 2020 18:21

Tgt Ion:131 Resp: 104117
Ion Ratio Lower Upper
131 100
133 95.6 47.3 142.0
119 68.4 33.6 100.8





#67

Ethyl Benzene

Concen: 51.339 ug/l

RT: 11.59 min Scan# 1616

Delta R.T. -0.00 min

Lab File: VY001188.D

Acq: 13 Jan 2020 18:21

Instrument :

MSVOA_Y

ClientSampleId :

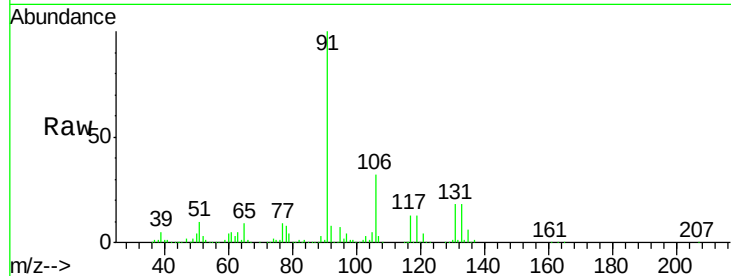
VSTDCCC050EC

Tgt Ion: 91 Resp: 545032

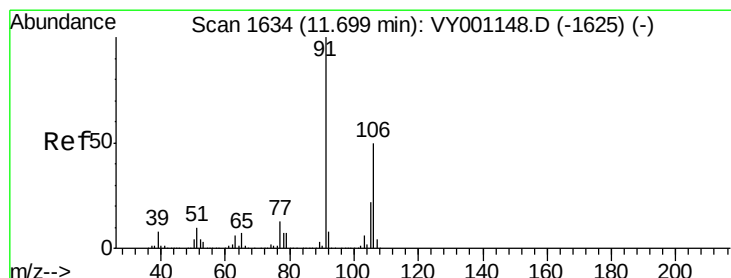
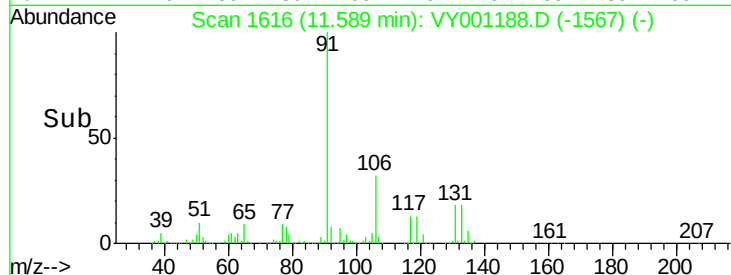
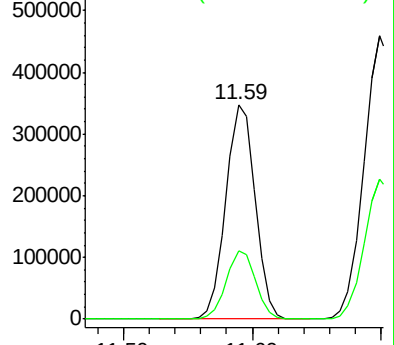
Ion Ratio Lower Upper

91 100

106 31.9 25.3 37.9



Abundance Ion 91.00 (90.70 to 91.70): VY001188.D (-1567) (-)



#68

m/p-Xylenes

Concen: 103.801 ug/l

RT: 11.70 min Scan# 1634

Delta R.T. -0.00 min

Lab File: VY001188.D

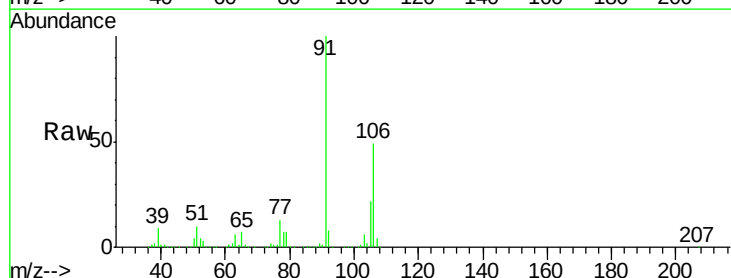
Acq: 13 Jan 2020 18:21

Tgt Ion: 106 Resp: 415702

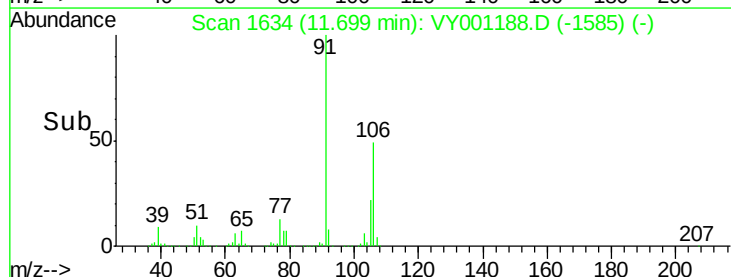
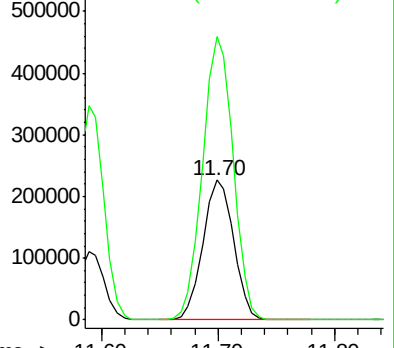
Ion Ratio Lower Upper

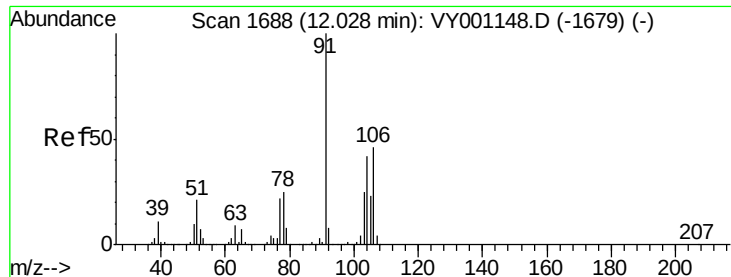
106 100

91 201.6 161.4 242.2



Abundance Ion 106.00 (105.70 to 106.70): VY001188.D (-1585) (-)

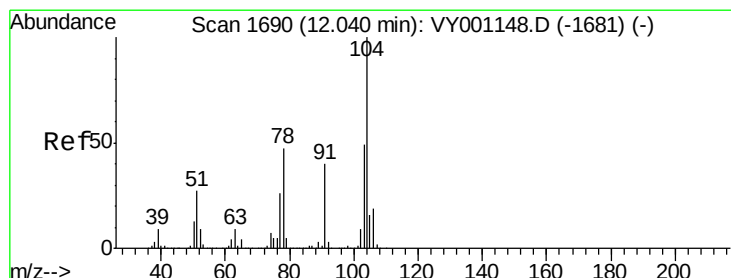
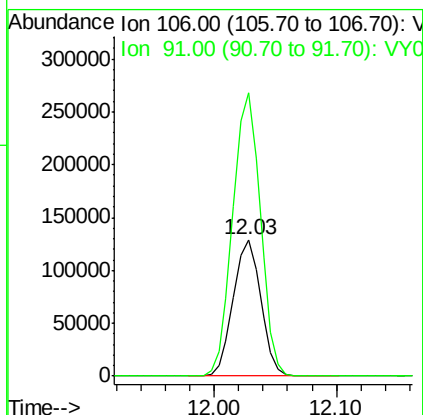
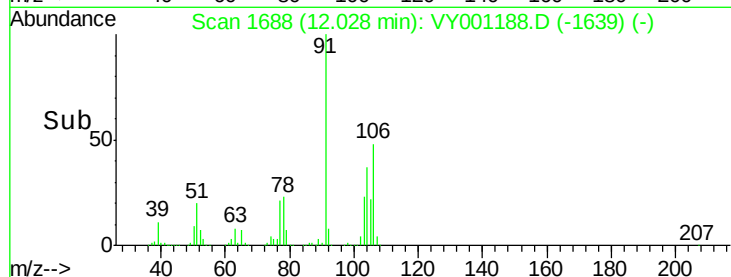
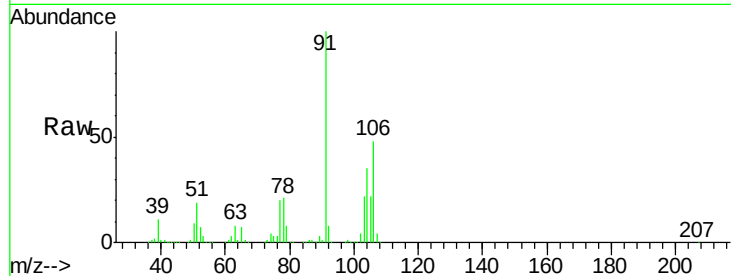




#69
o-Xylene
Concen: 52.219 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VY001188.D
Acq: 13 Jan 2020 18:21

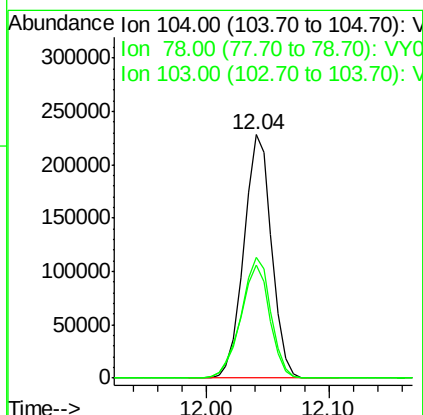
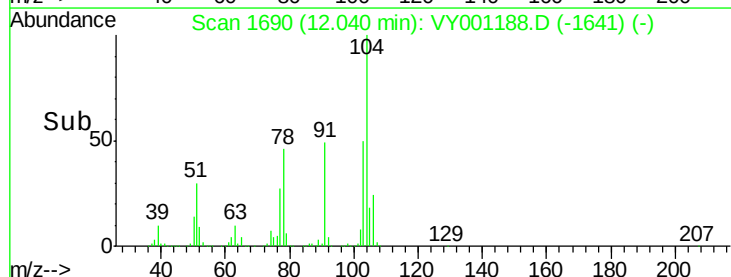
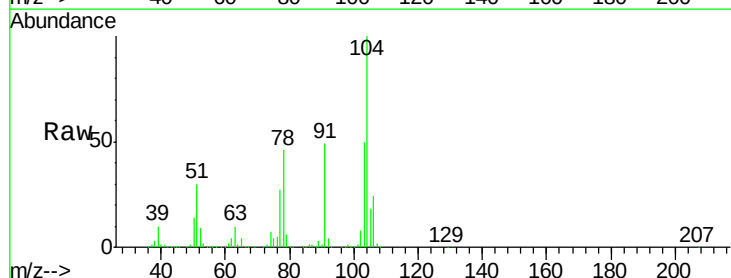
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

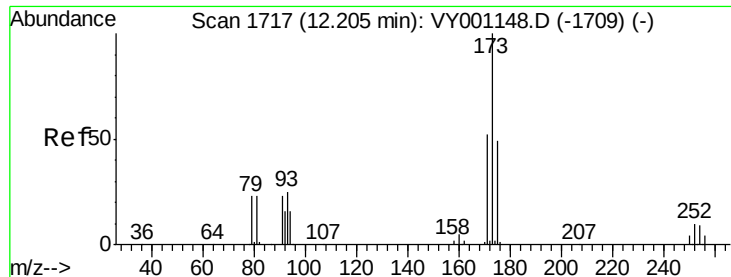
Tgt Ion:106 Resp: 200505
Ion Ratio Lower Upper
106 100
91 209.3 106.3 318.8



#70
Styrene
Concen: 53.123 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VY001188.D
Acq: 13 Jan 2020 18:21

Tgt Ion:104 Resp: 357899
Ion Ratio Lower Upper
104 100
78 49.3 40.5 60.7
103 53.1 42.4 63.6





#71

Bromoform

Concen: 53.215 ug/l

RT: 12.20 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VY001188.D

Acq: 13 Jan 2020 18:21

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

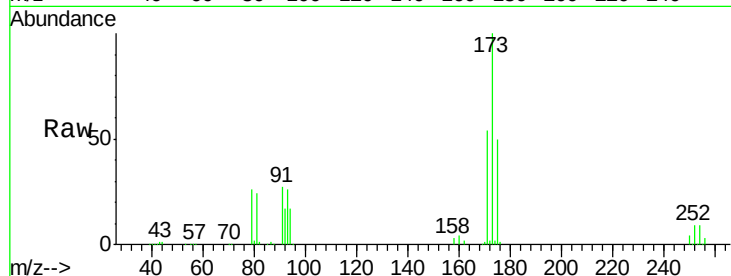
Tgt Ion:173 Resp: 65642

Ion Ratio Lower Upper

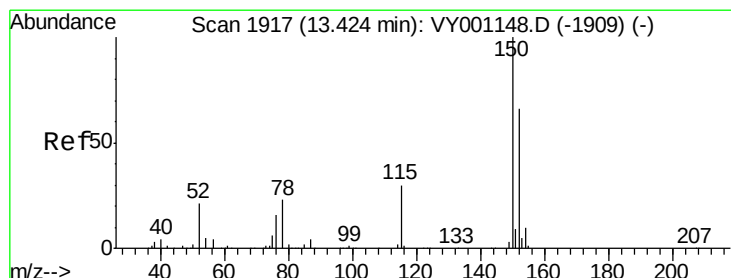
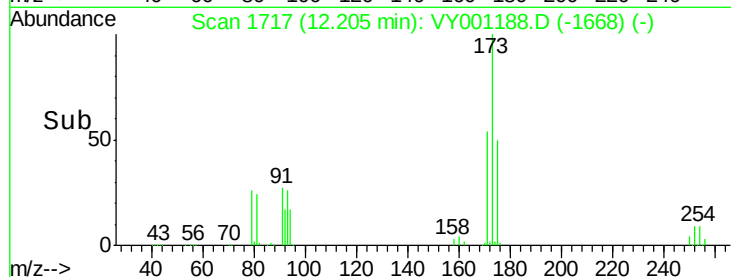
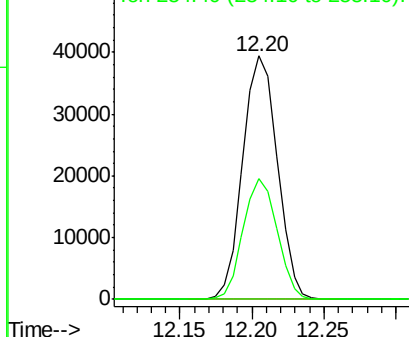
173 100

175 48.9 24.1 72.2

254 0.1 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. -0.00 min

Lab File: VY001188.D

Acq: 13 Jan 2020 18:21

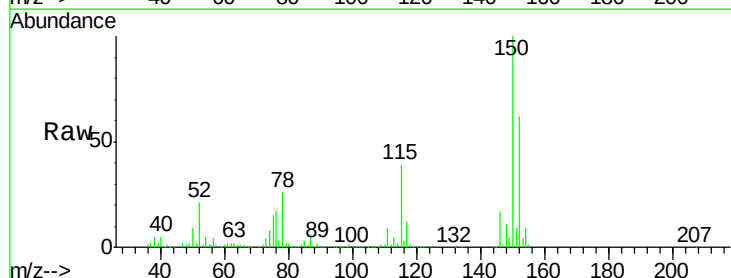
Tgt Ion:152 Resp: 139592

Ion Ratio Lower Upper

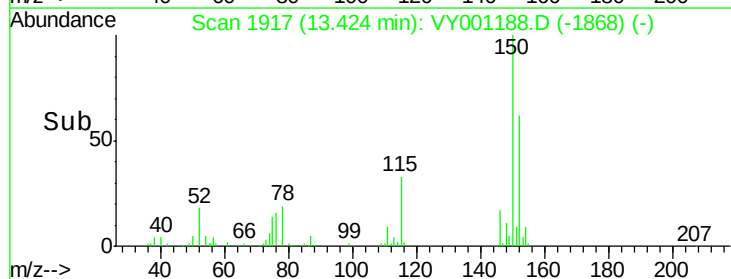
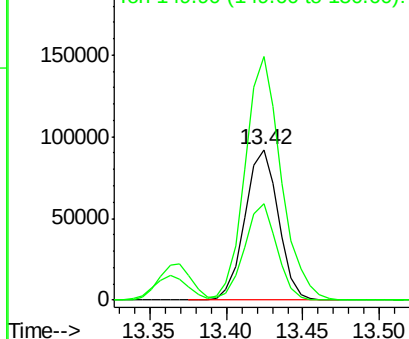
152 100

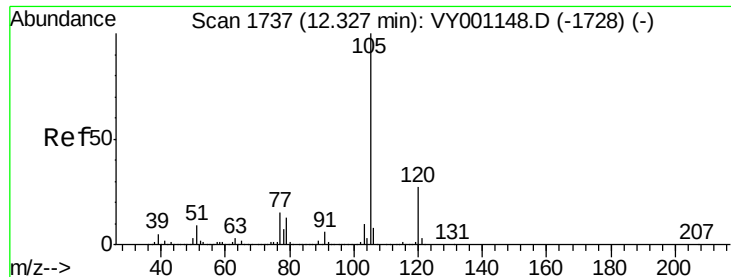
115 61.6 30.9 92.5

150 174.5 0.0 346.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V

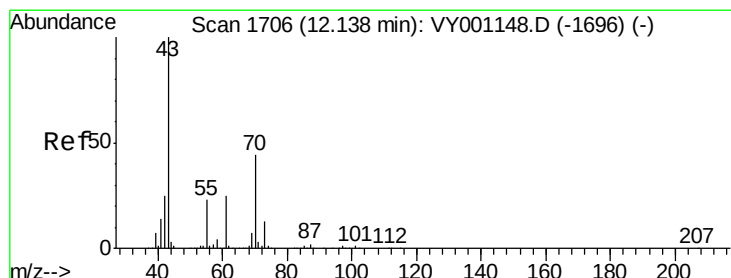
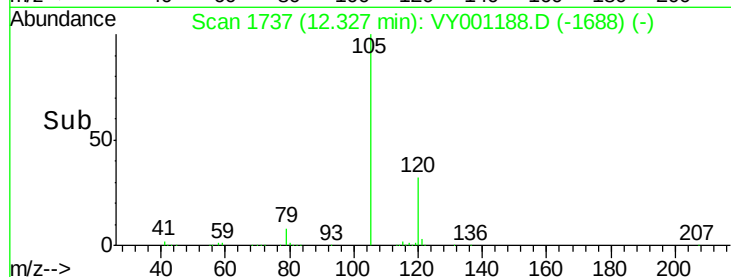
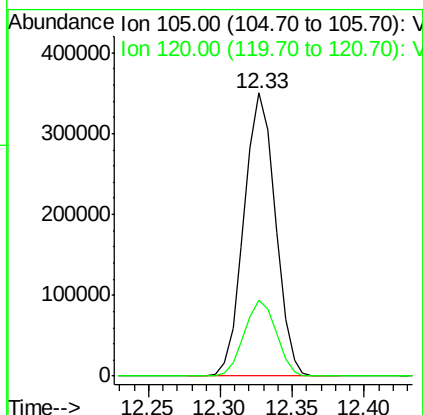
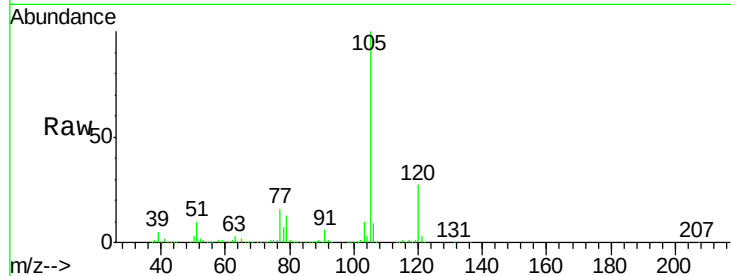




#73
Isopropylbenzene
Concen: 50.464 ug/l
RT: 12.33 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VY001188.D
Acq: 13 Jan 2020 18:21

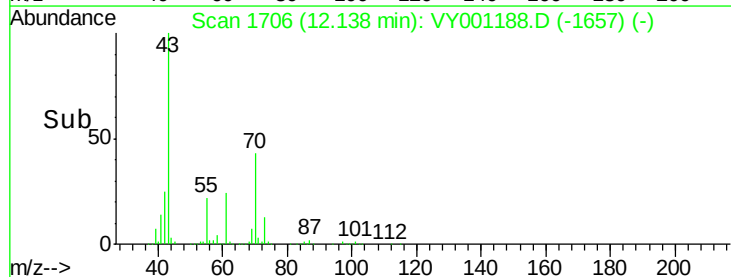
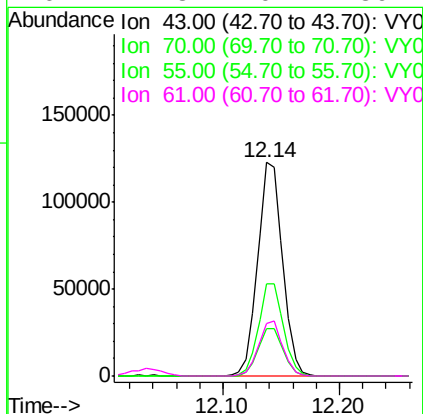
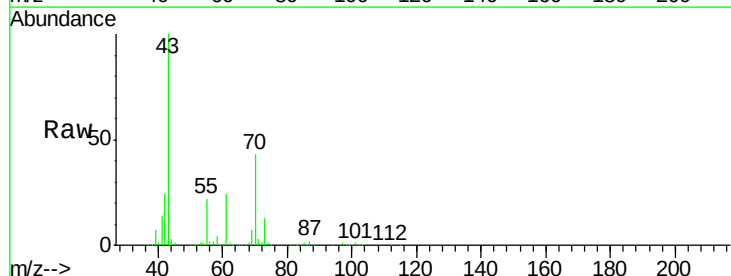
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

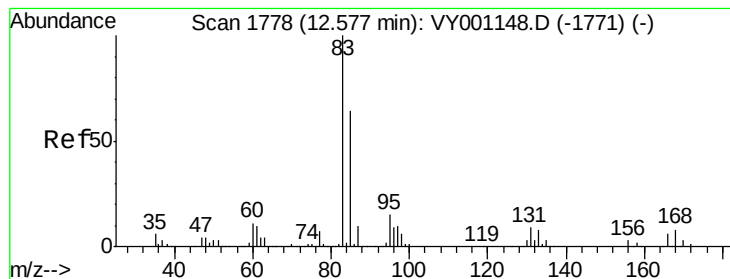
Tgt Ion: 105 Resp: 529577
Ion Ratio Lower Upper
105 100
120 27.2 13.4 40.2



#74
N-ethyl acetate
Concen: 55.502 ug/l
RT: 12.14 min Scan# 1706
Delta R.T. -0.00 min
Lab File: VY001188.D
Acq: 13 Jan 2020 18:21

Tgt Ion: 43 Resp: 181770
Ion Ratio Lower Upper
43 100
70 43.4 35.0 52.6
55 22.7 18.4 27.6
61 24.8 20.1 30.1





#75

1,1,2,2-Tetrachloroethane

Concen: 53.089 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. 0.01 min

Lab File: VY001188.D

Acq: 13 Jan 2020 18:21

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

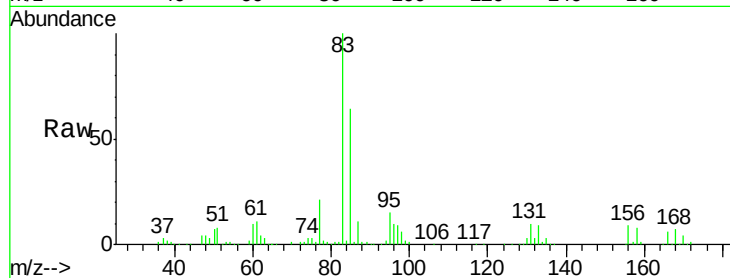
Tgt Ion: 83 Resp: 117214

Ion Ratio Lower Upper

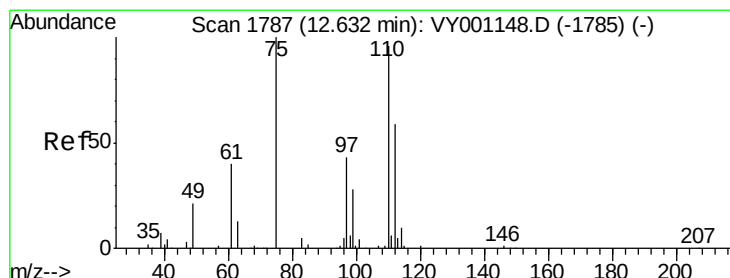
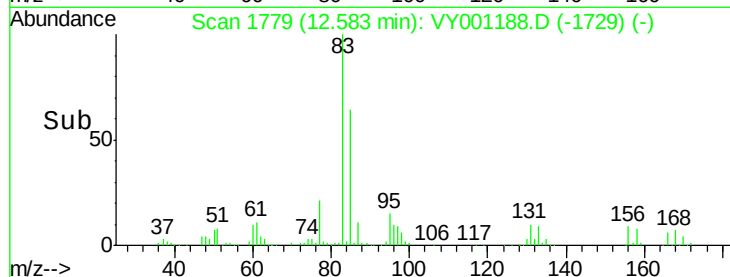
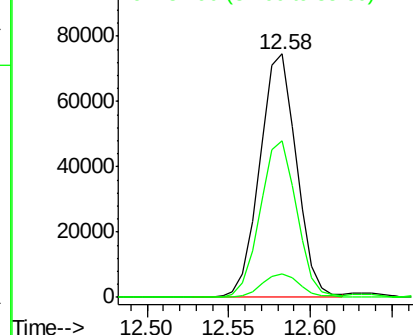
83 100

131 10.0 5.1 15.3

85 64.0 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: 103.442 ug/l

RT: 12.63 min Scan# 1787

Delta R.T. -0.00 min

Lab File: VY001188.D

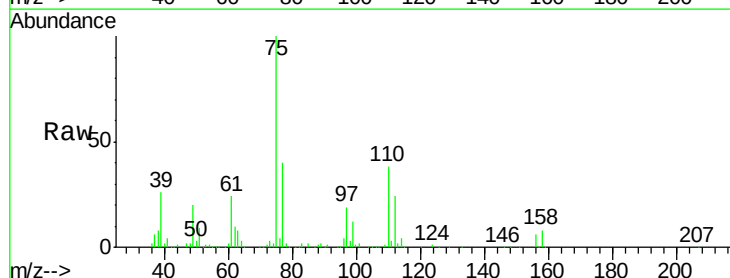
Acq: 13 Jan 2020 18:21

Tgt Ion: 75 Resp: 154578

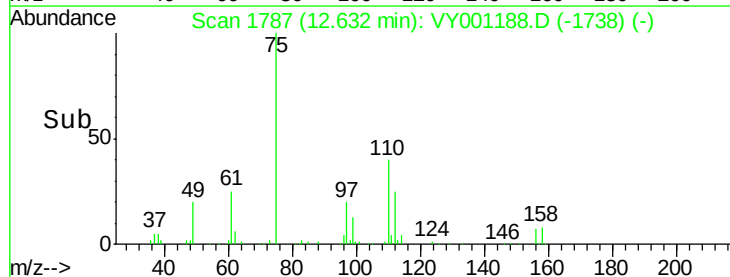
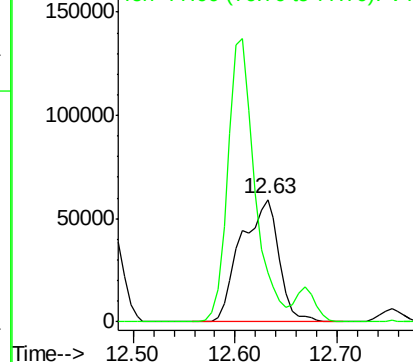
Ion Ratio Lower Upper

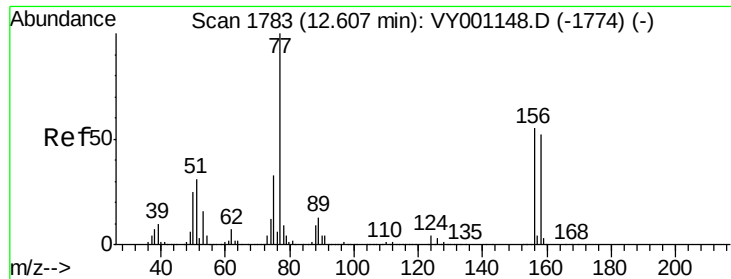
75 100

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: 52.159 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VY001188.D

Acq: 13 Jan 2020 18:21

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

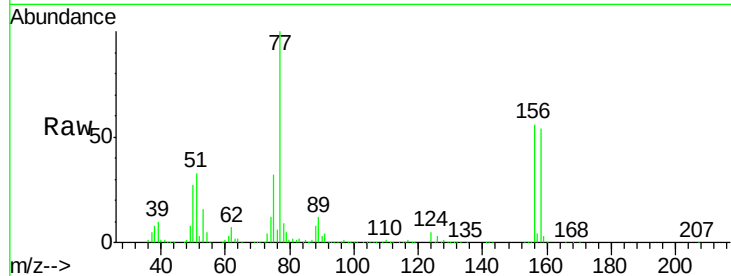
Tgt Ion:156 Resp: 120948

Ion Ratio Lower Upper

156 100

77 207.9 106.7 320.1

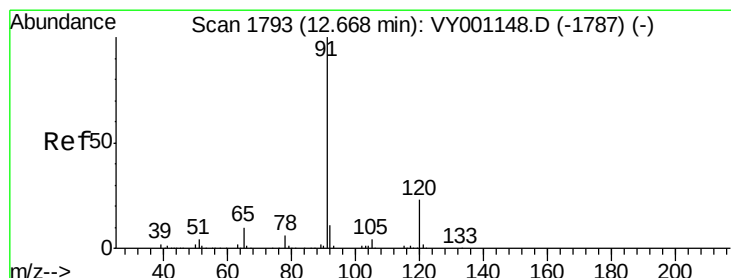
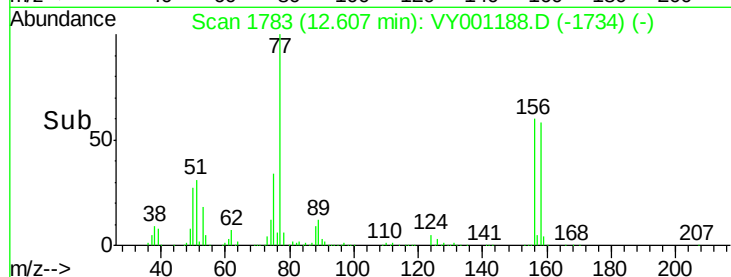
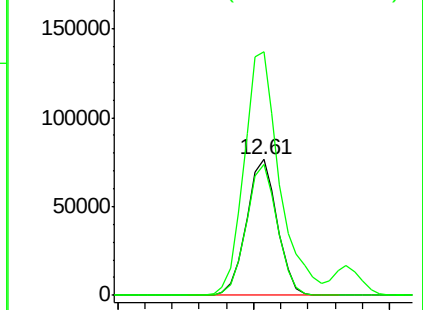
158 97.1 48.3 144.8



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: 50.473 ug/l

RT: 12.67 min Scan# 1793

Delta R.T. -0.00 min

Lab File: VY001188.D

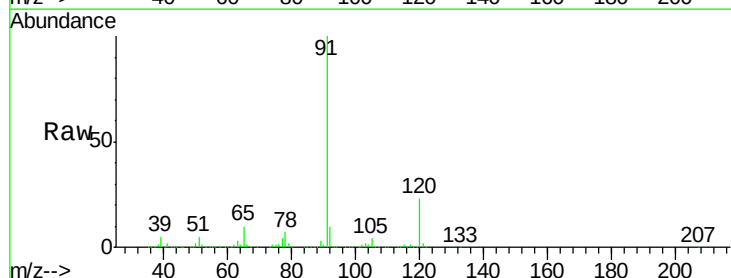
Acq: 13 Jan 2020 18:21

Tgt Ion: 91 Resp: 637110

Ion Ratio Lower Upper

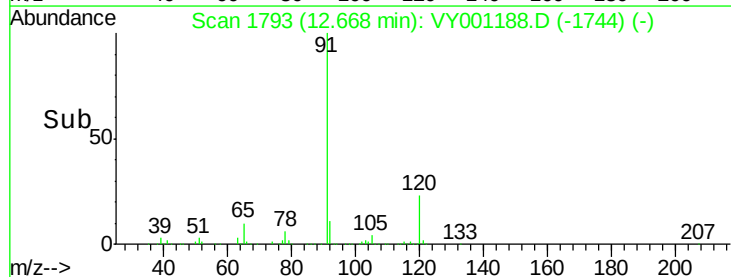
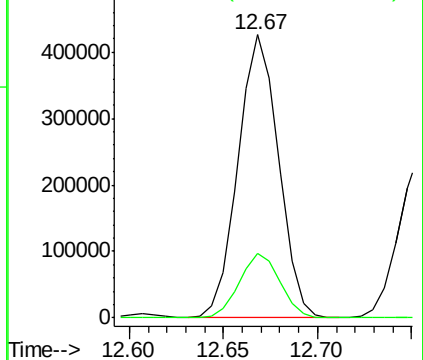
91 100

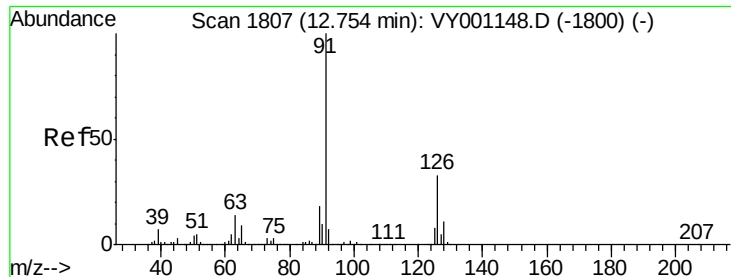
120 22.8 11.5 34.4



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.758 ug/l

RT: 12.75 min Scan# 1807

Delta R.T. -0.00 min

Lab File: VY001188.D

Acq: 13 Jan 2020 18:21

Instrument :

MSVOA_Y

ClientSampleId :

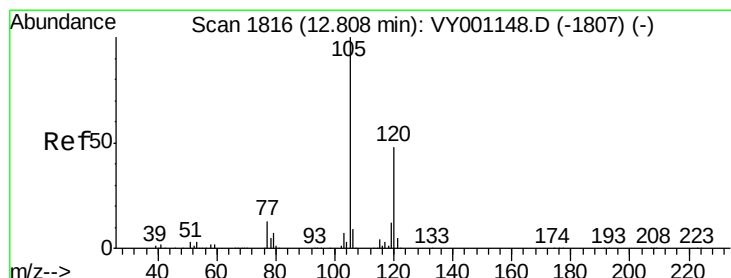
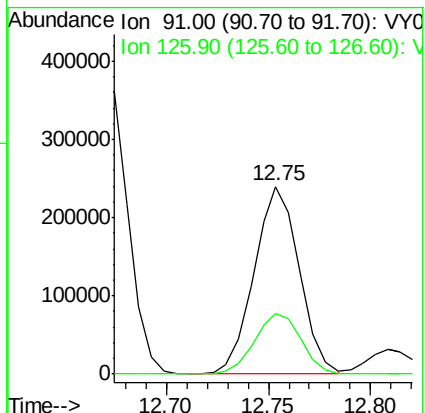
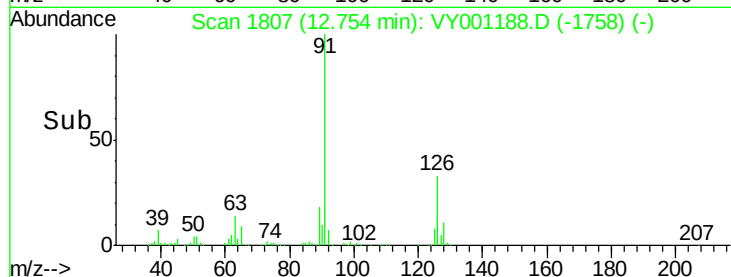
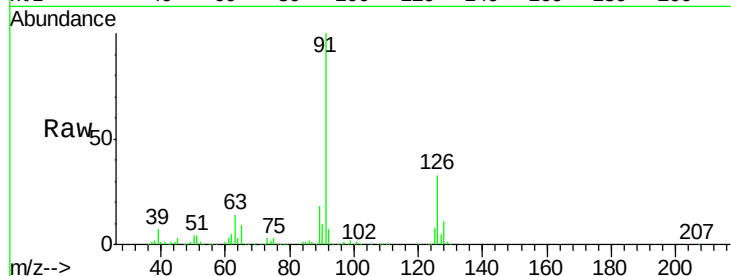
VSTDCCC050EC

Tgt Ion: 91 Resp: 367964

Ion Ratio Lower Upper

91 100

126 33.3 16.4 49.4



#80

1,3,5-Trimethylbenzene

Concen: 50.943 ug/l

RT: 12.81 min Scan# 1816

Delta R.T. -0.00 min

Lab File: VY001188.D

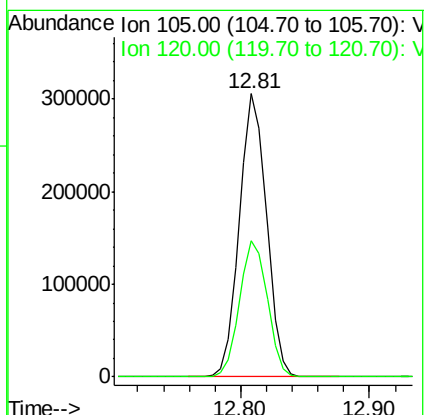
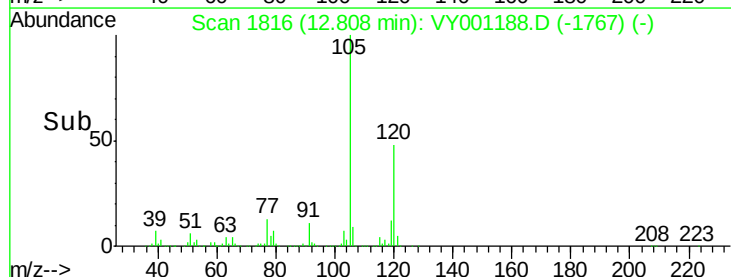
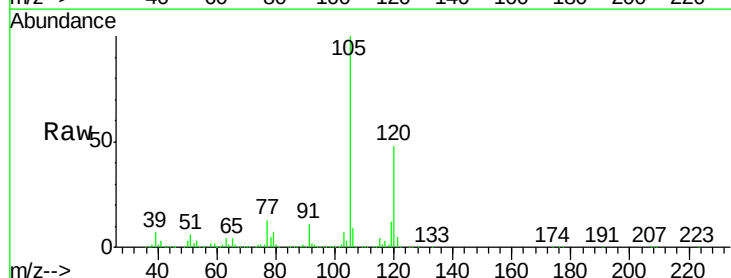
Acq: 13 Jan 2020 18:21

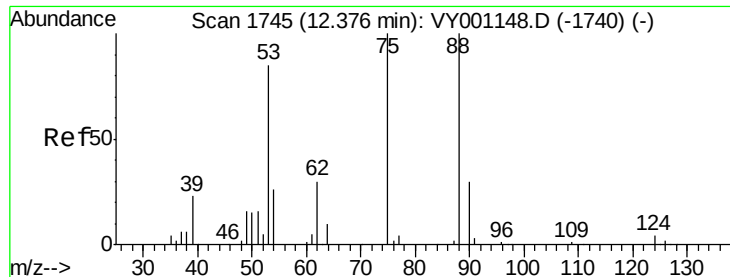
Tgt Ion: 105 Resp: 446063

Ion Ratio Lower Upper

105 100

120 49.1 24.2 72.6





#81

trans-1,4-Dichloro-2-butene

Concen: 51.308 ug/l

RT: 12.38 min Scan# 1745

Delta R.T. -0.00 min

Lab File: VY001188.D

Acq: 13 Jan 2020 18:21

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

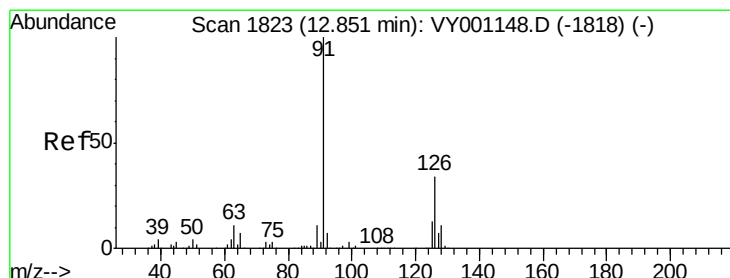
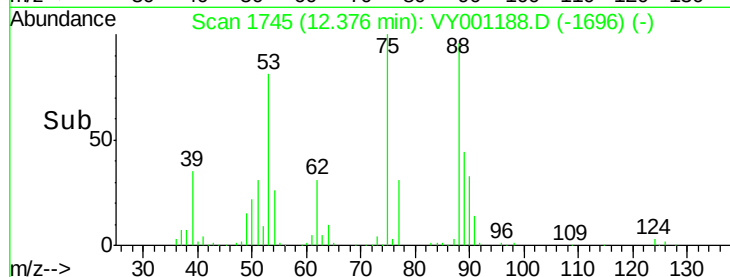
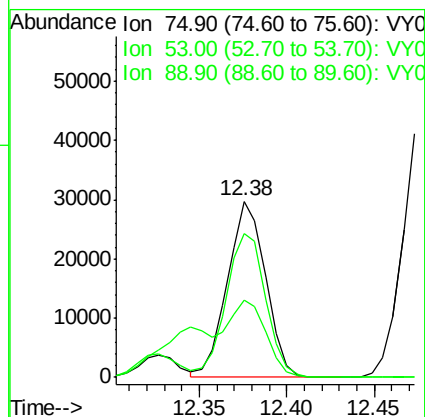
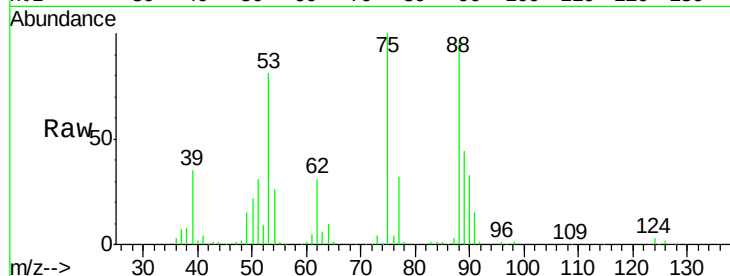
Tgt Ion: 75 Resp: 45213

Ion Ratio Lower Upper

75 100

53 83.9 69.4 104.2

89 44.7 0.0 0.0#



#82

4-Chlorotoluene

Concen: 50.049 ug/l

RT: 12.85 min Scan# 1823

Delta R.T. -0.00 min

Lab File: VY001188.D

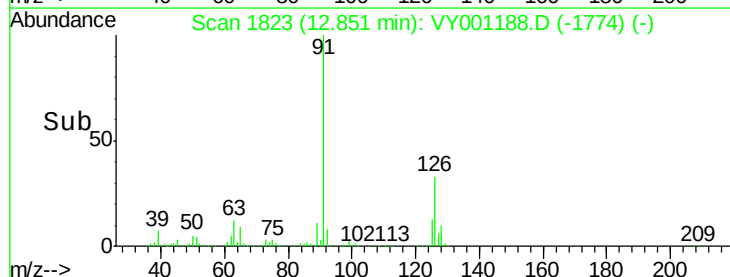
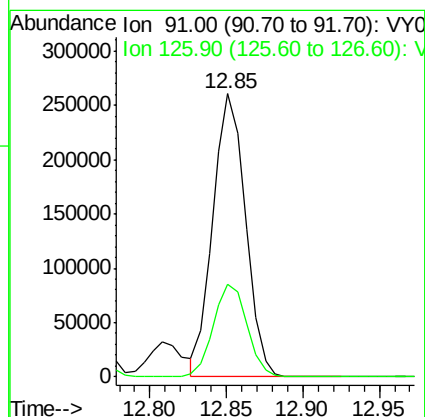
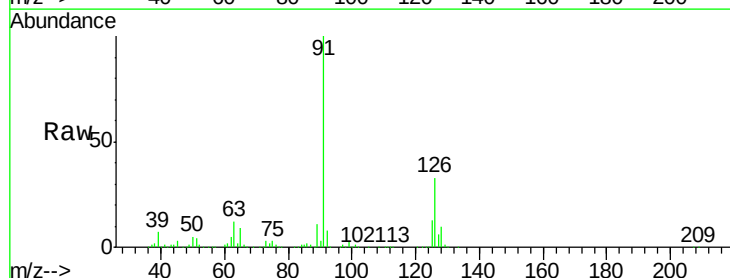
Acq: 13 Jan 2020 18:21

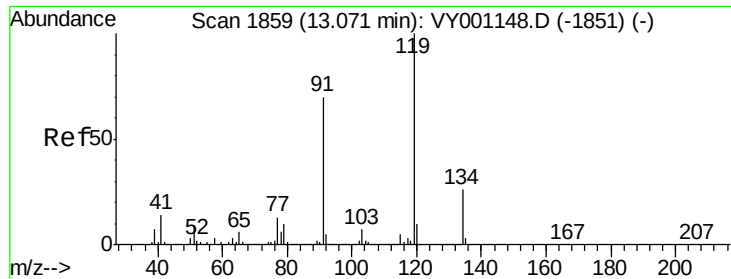
Tgt Ion: 91 Resp: 387339

Ion Ratio Lower Upper

91 100

126 33.6 16.3 48.8

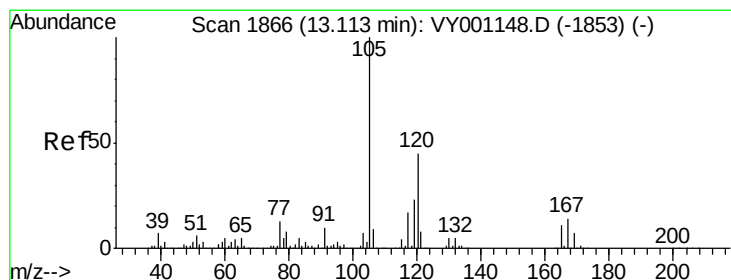
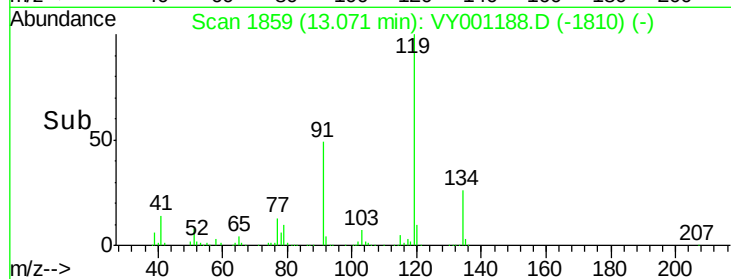
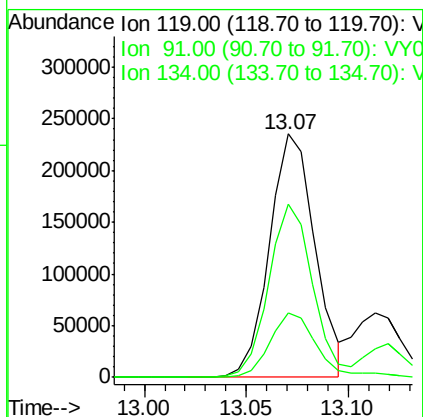
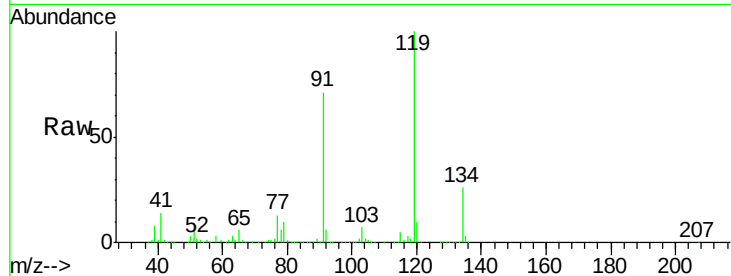




#83
 tert-Butylbenzene
 Concen: 49.756 ug/l
 RT: 13.07 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VY001188.D
 Acq: 13 Jan 2020 18:21

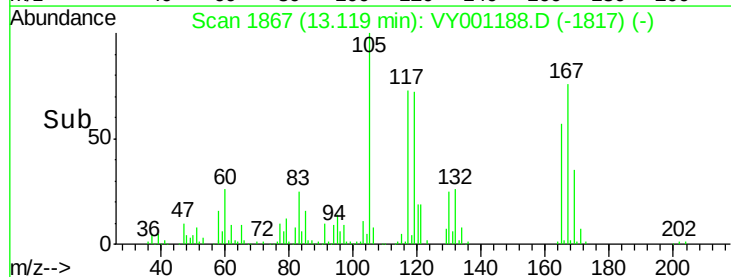
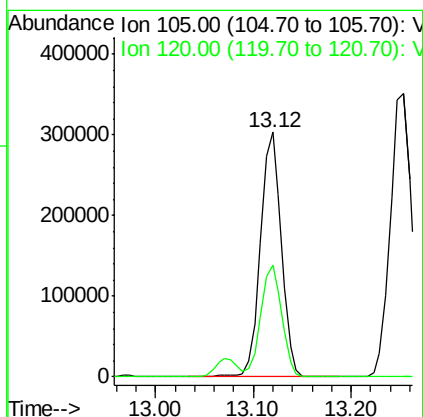
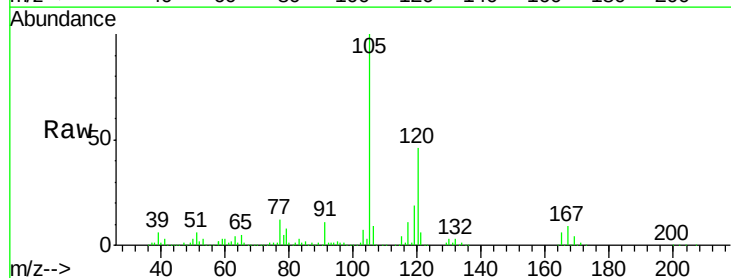
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

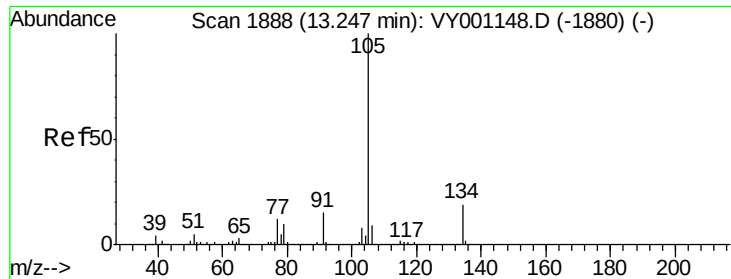
Tgt Ion:119 Resp: 366078
 Ion Ratio Lower Upper
 119 100
 91 69.0 33.9 101.7
 134 27.5 13.5 40.4



#84
 1,2,4-Trimethylbenzene
 Concen: 51.438 ug/l
 RT: 13.12 min Scan# 1867
 Delta R.T. 0.01 min
 Lab File: VY001188.D
 Acq: 13 Jan 2020 18:21

Tgt Ion:105 Resp: 447272
 Ion Ratio Lower Upper
 105 100
 120 45.9 22.8 68.3





#85

sec-Butylbenzene

Concen: 50.524 ug/l

RT: 13.25 min Scan# 1889

Delta R.T. 0.01 min

Lab File: VY001188.D

Acq: 13 Jan 2020 18:21

Instrument :

MSVOA_Y

ClientSampleId :

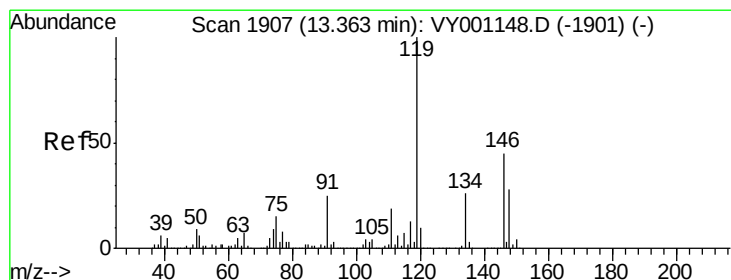
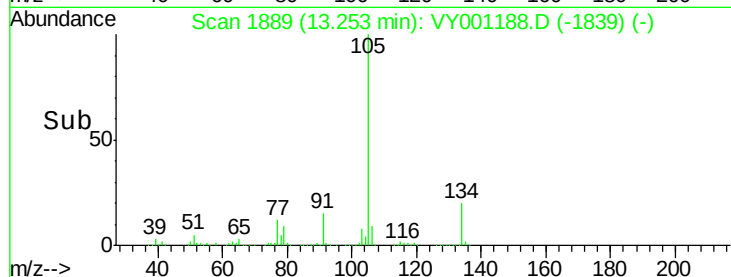
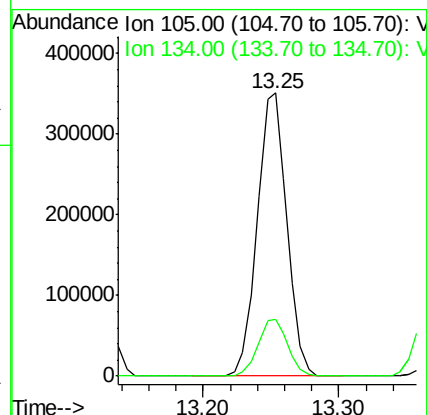
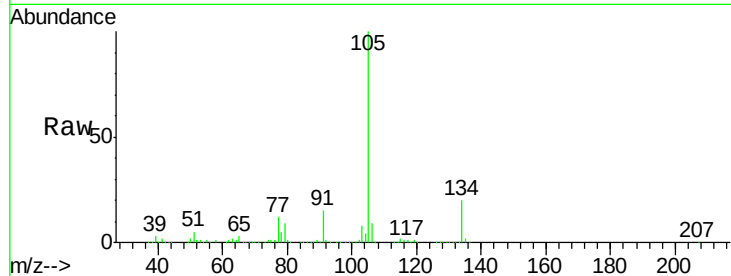
VSTDCCC050EC

Tgt Ion:105 Resp: 534764

Ion Ratio Lower Upper

105 100

134 20.1 9.8 29.5



#86

p-Isopropyltoluene

Concen: 50.836 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. 0.01 min

Lab File: VY001188.D

Acq: 13 Jan 2020 18:21

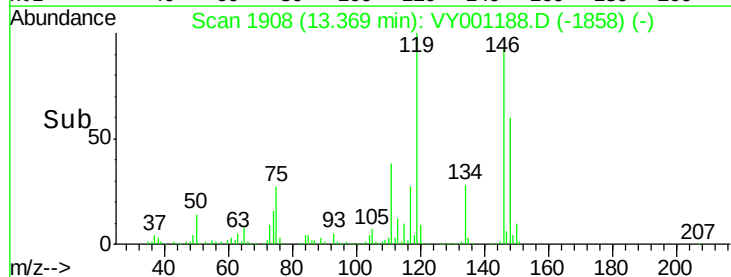
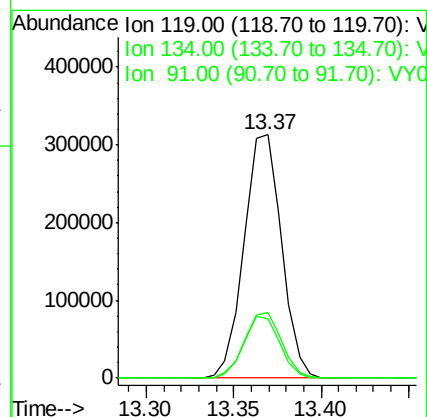
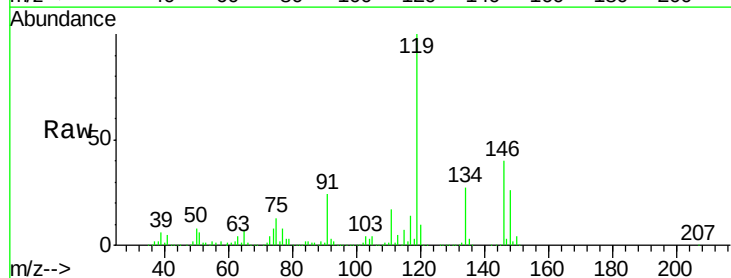
Tgt Ion:119 Resp: 467177

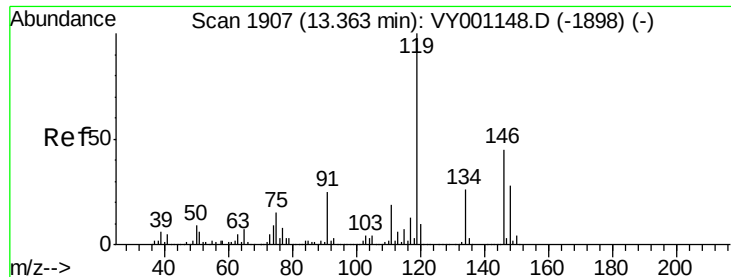
Ion Ratio Lower Upper

119 100

134 26.8 13.4 40.2

91 24.5 12.4 37.2

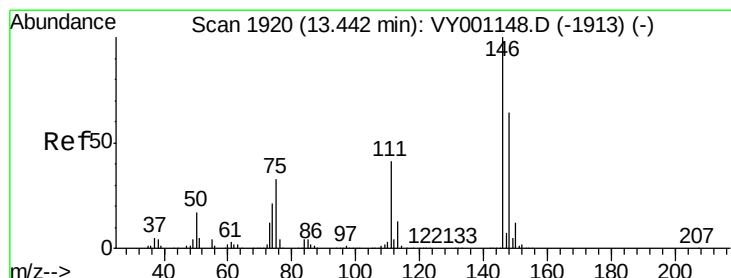
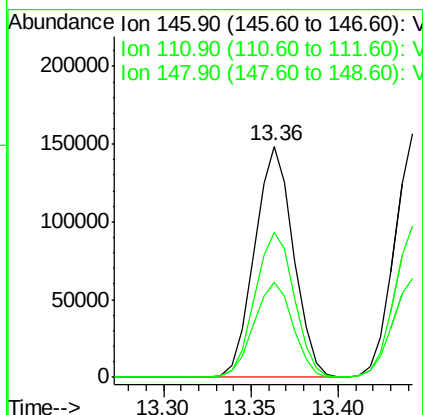
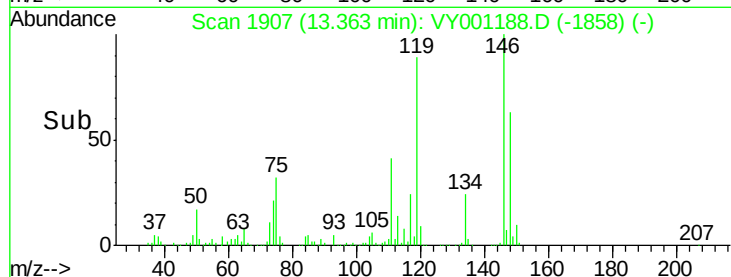
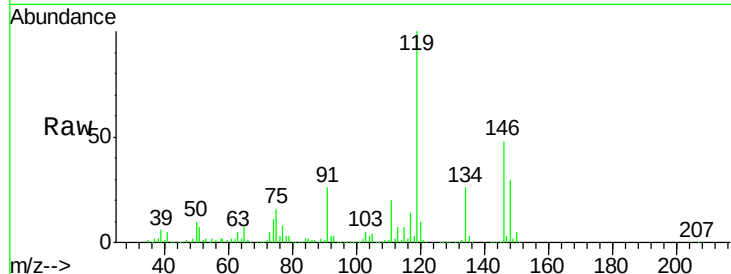




#87
1,3-Dichlorobenzene
Concen: 52.671 ug/l
RT: 13.36 min Scan# 1907
Delta R.T. -0.00 min
Lab File: VY001188.D
Acq: 13 Jan 2020 18:21

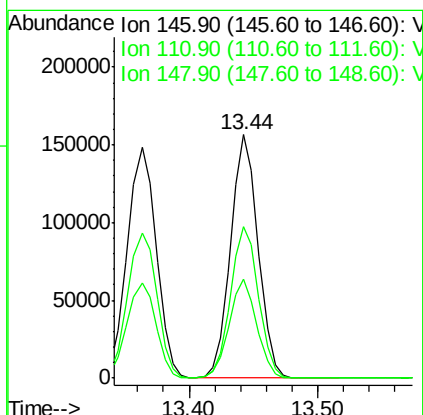
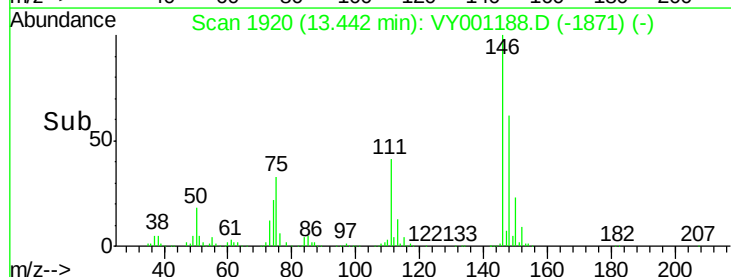
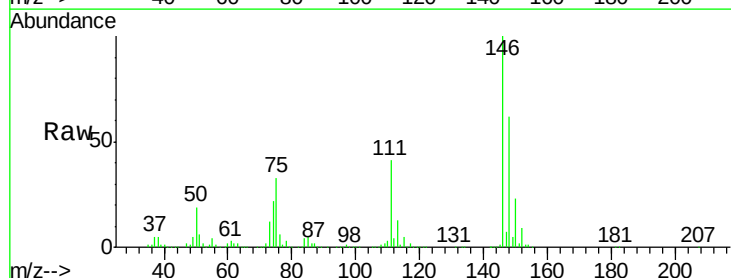
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

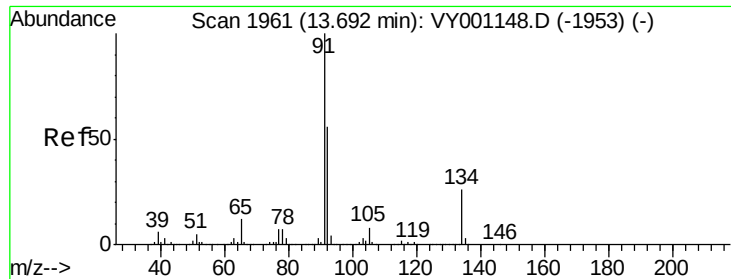
Tgt Ion:146 Resp: 230982
Ion Ratio Lower Upper
146 100
111 41.5 21.3 64.0
148 63.4 31.9 95.5



#88
1,4-Dichlorobenzene
Concen: 51.672 ug/l
RT: 13.44 min Scan# 1920
Delta R.T. -0.00 min
Lab File: VY001188.D
Acq: 13 Jan 2020 18:21

Tgt Ion:146 Resp: 233217
Ion Ratio Lower Upper
146 100
111 40.9 20.8 62.5
148 63.2 32.0 96.2





#89

n-Butylbenzene

Concen: 50.404 ug/l

RT: 13.69 min Scan# 1961

Delta R.T. -0.00 min

Lab File: VY001188.D

Acq: 13 Jan 2020 18:21

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

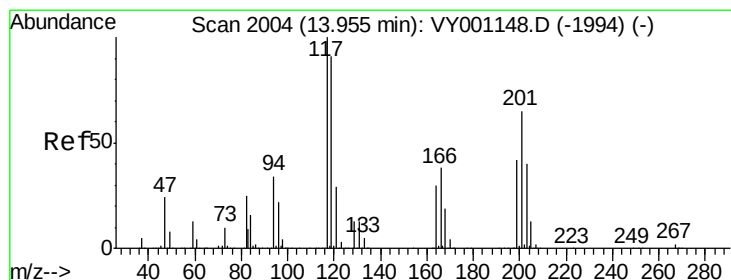
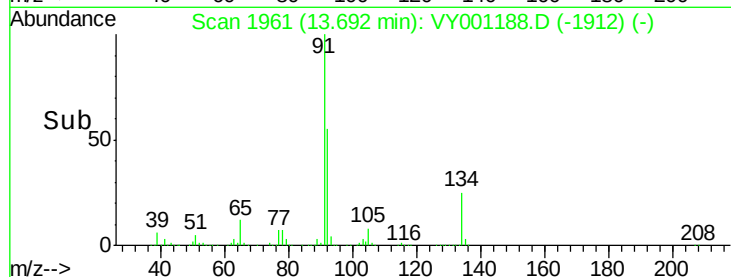
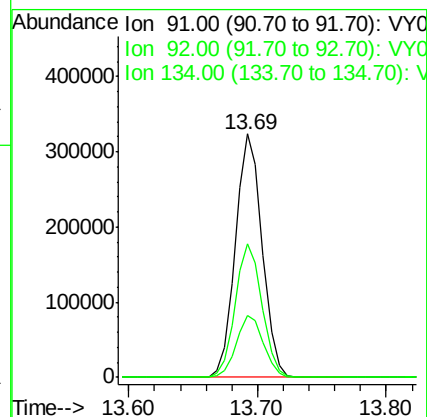
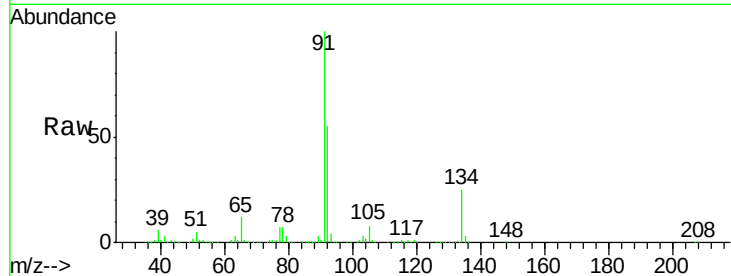
Tgt Ion: 91 Resp: 466531

Ion Ratio Lower Upper

91 100

92 55.0 27.7 83.1

134 25.6 12.9 38.6



#90

Hexachloroethane

Concen: 50.818 ug/l

RT: 13.95 min Scan# 2004

Delta R.T. -0.00 min

Lab File: VY001188.D

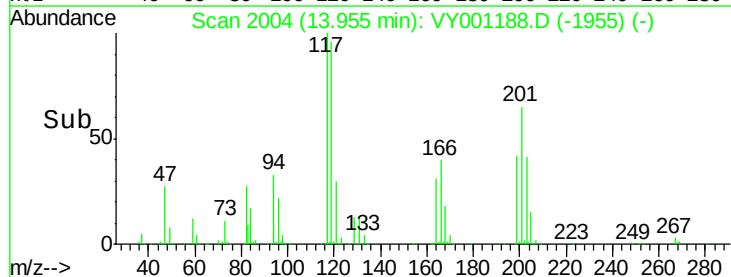
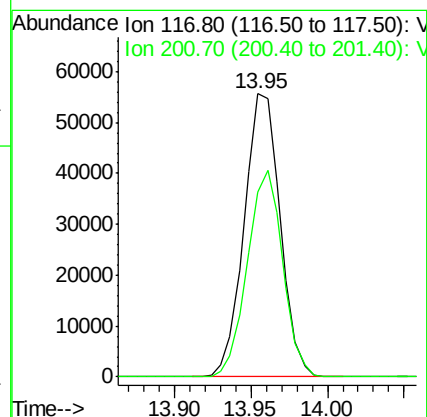
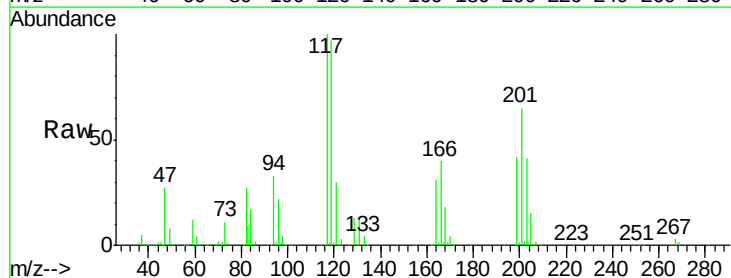
Acq: 13 Jan 2020 18:21

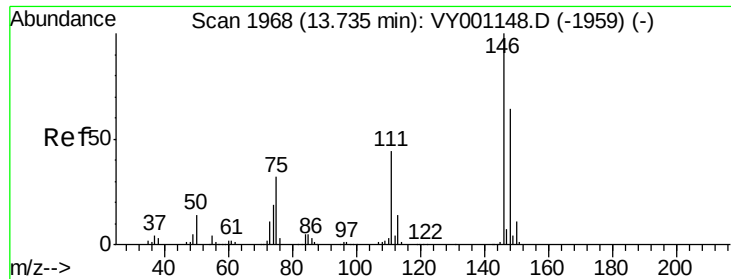
Tgt Ion: 117 Resp: 91252

Ion Ratio Lower Upper

117 100

201 71.3 35.4 106.2

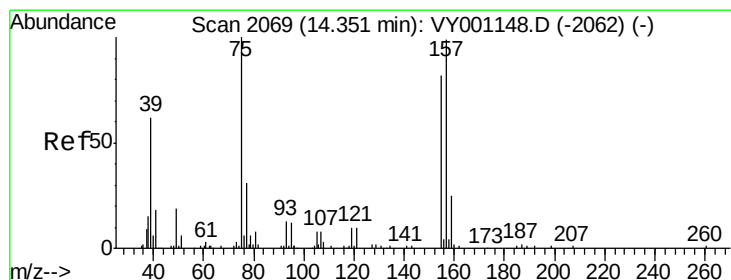
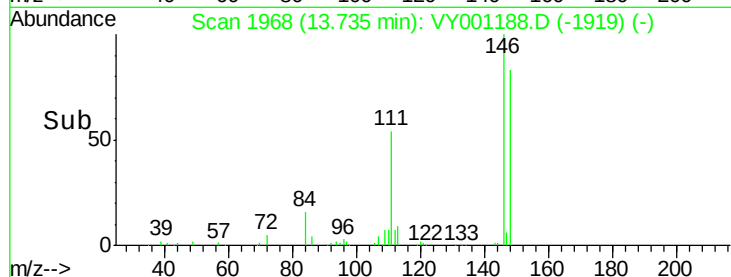
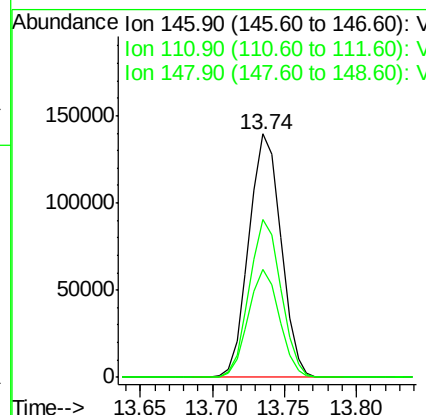
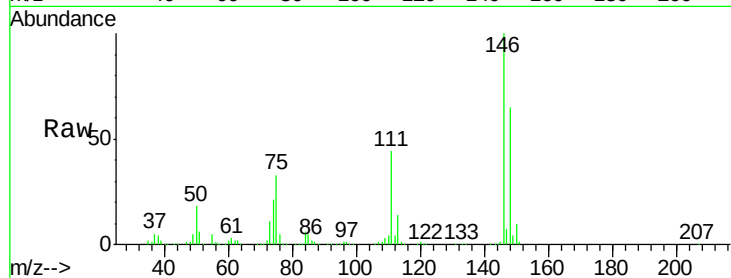




#91
 1,2-Dichlorobenzene
 Concen: 52.806 ug/l
 RT: 13.74 min Scan# 1968
 Delta R.T. -0.00 min
 Lab File: VY001188.D
 Acq: 13 Jan 2020 18:21

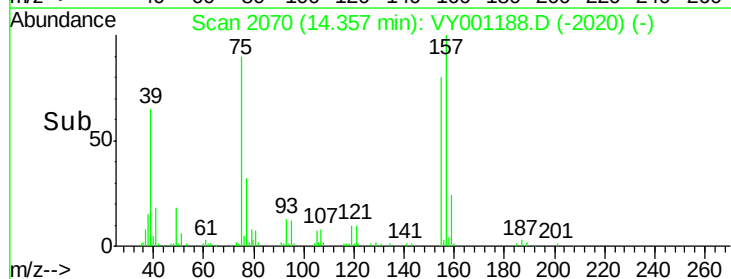
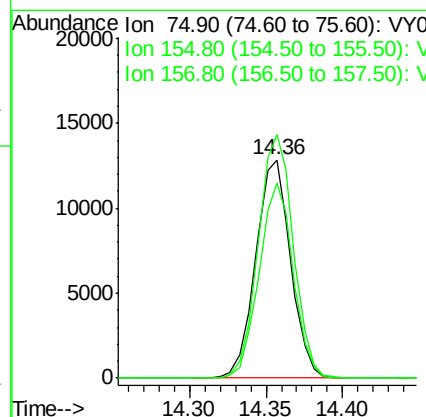
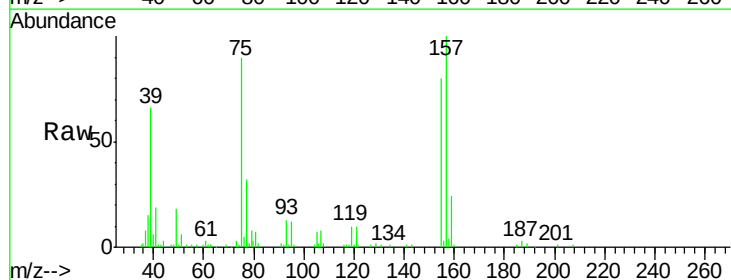
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

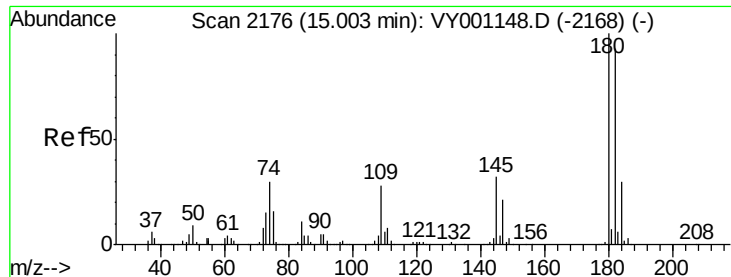
Tgt Ion: 146 Resp: 215219
 Ion Ratio Lower Upper
 146 100
 111 43.3 22.0 66.0
 148 64.2 32.1 96.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.098 ug/l
 RT: 14.36 min Scan# 2070
 Delta R.T. 0.01 min
 Lab File: VY001188.D
 Acq: 13 Jan 2020 18:21

Tgt Ion: 75 Resp: 20351
 Ion Ratio Lower Upper
 75 100
 155 87.2 41.2 123.6
 157 111.6 52.8 158.4





#93

1,2,4-Trichlorobenzene

Concen: 52.252 ug/l

RT: 15.00 min Scan# 2176

Delta R.T. -0.00 min

Lab File: VY001188.D

Acq: 13 Jan 2020 18:21

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

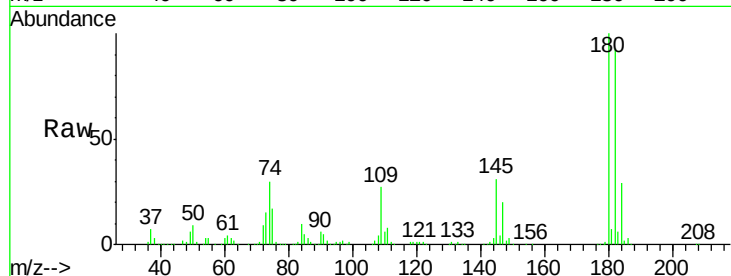
Tgt Ion:180 Resp: 140312

Ion Ratio Lower Upper

180 100

182 93.2 46.9 140.8

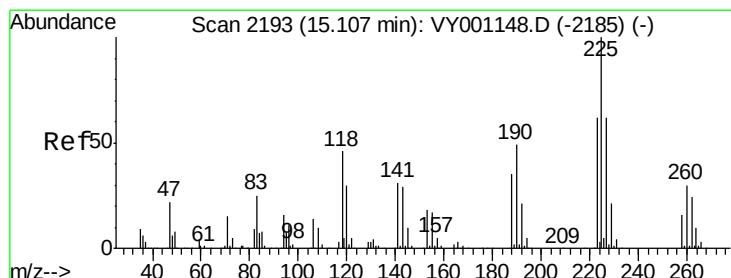
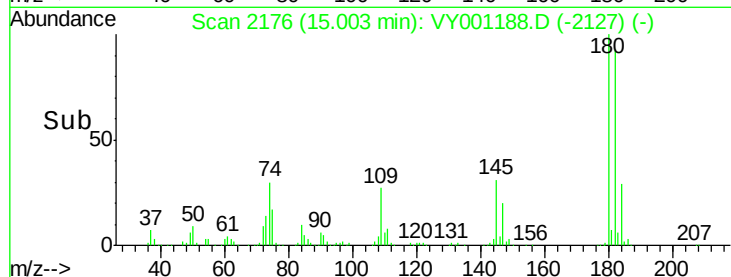
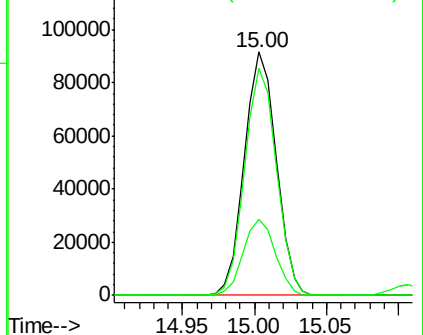
145 31.3 16.0 48.0



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: 49.484 ug/l

RT: 15.11 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VY001188.D

Acq: 13 Jan 2020 18:21

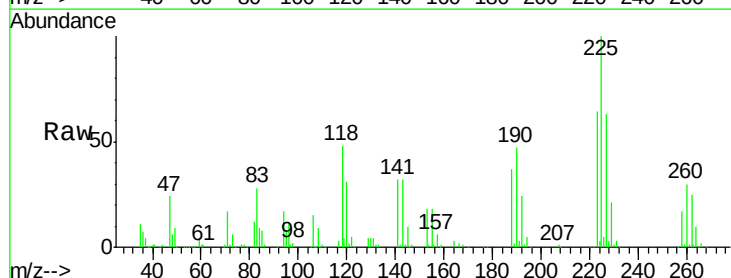
Tgt Ion:225 Resp: 66943

Ion Ratio Lower Upper

225 100

223 62.7 31.1 93.3

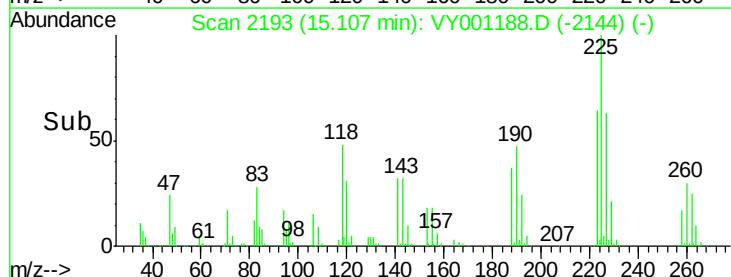
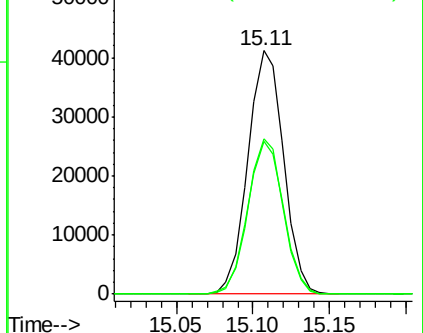
227 63.0 31.3 93.9

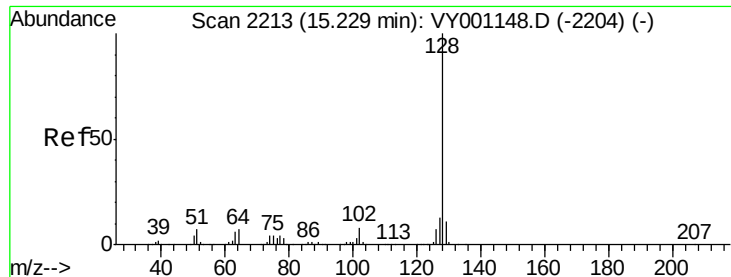


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

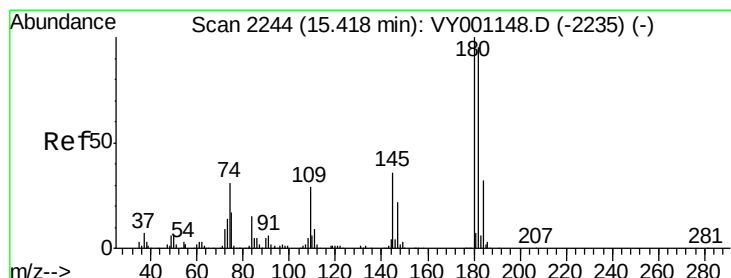
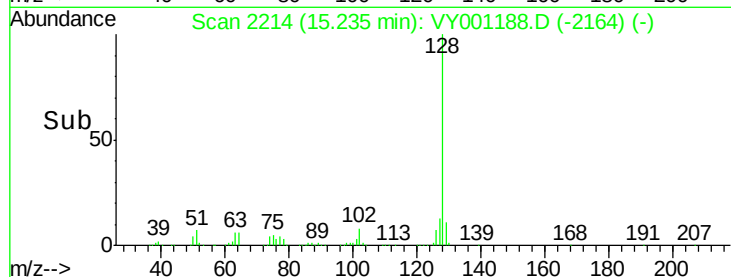
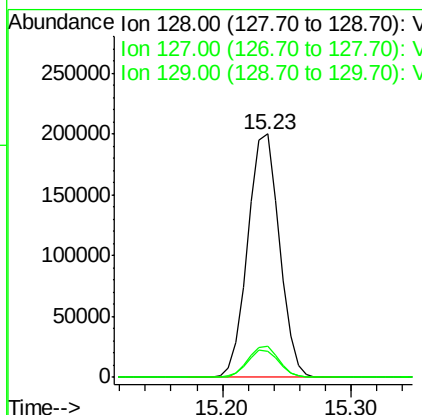
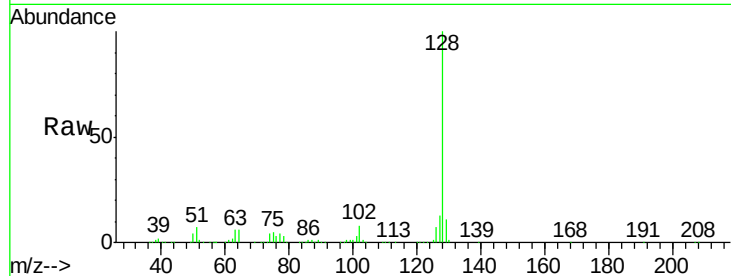




#95
Naphthalene
Concen: 54.095 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. 0.01 min
Lab File: VY001188.D
Acq: 13 Jan 2020 18:21

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 338179
Ion Ratio Lower Upper
128 100
127 12.6 10.2 15.4
129 11.0 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 52.677 ug/l
RT: 15.42 min Scan# 2244
Delta R.T. -0.00 min
Lab File: VY001188.D
Acq: 13 Jan 2020 18:21

Tgt Ion:180 Resp: 124665
Ion Ratio Lower Upper
180 100
182 93.7 47.5 142.5
145 34.0 17.1 51.3

