

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY040120\
 Data File : VY002153.D
 Acq On : 01 Apr 2020 11:24
 Operator : SY/MD
 Sample : VY0401SBL01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Apr 02 06:19:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y032620S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 27 07:11:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	126047	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	249246	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	232295	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	100418	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.17	65	80050	57.45	ug/l	0.00
Spiked Amount						
						Recovery = 114.90%
35) Dibromofluoromethane	7.74	113	74219	53.14	ug/l	0.00
Spiked Amount						
						Recovery = 106.28%
50) Toluene-d8	10.19	98	303487	52.31	ug/l	0.00
Spiked Amount						
						Recovery = 104.62%
62) 4-Bromofluorobenzene	12.49	95	103072	50.80	ug/l	0.00
Spiked Amount						
						Recovery = 101.60%

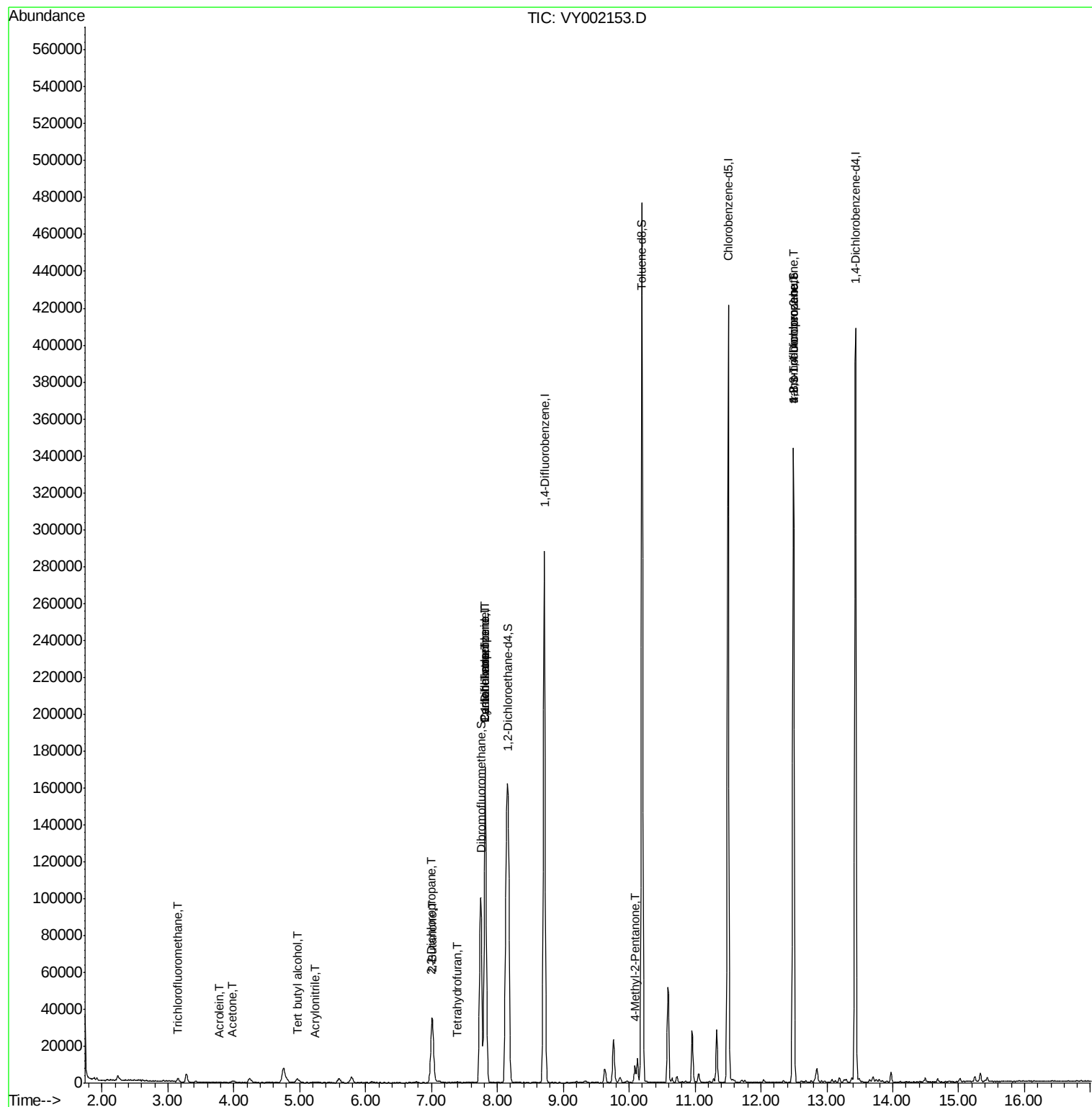
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.92	85	1210	Below Cal		90
7) Trichlorofluoromethane	3.16	101	2059	1.003	ug/l	93
11) Tert butyl alcohol	4.97	59	2711	16.510	ug/l #	74
13) Acrolein	3.77	56	215	1.048	ug/l #	14
15) Acrylonitrile	5.22	53	493	1.082	ug/l #	80
16) Acetone	3.99	43	1783	4.555	ug/l #	81
20) Methylene Chloride	4.76	84	5334	Below Cal		86
25) 2-Butanone	7.02	43	2512	4.179	ug/l #	73
26) 2,2-Dichloropropane	7.00	77	2816	1.255	ug/l #	52
29) Tetrahydrofuran	7.38	42	446	1.132	ug/l #	60
31) Cyclohexane	7.82	56	3219	1.109	ug/l #	1
36) 1,1-Dichloropropene	7.82	75	11019	4.674	ug/l #	49
38) Carbon Tetrachloride	7.82	117	13272	6.635	ug/l #	17
51) 4-Methyl-2-Pentanone	10.08	43	6495	4.770	ug/l	95
76) 1,2,3-Trichloropropane	12.49	75	53624	47.739	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	53624	92.488	ug/l #	17

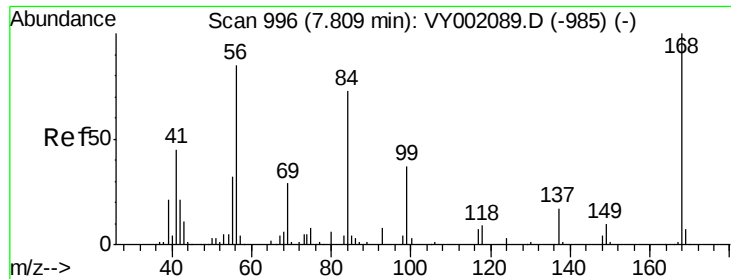
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY040120\
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Acq On : 01 Apr 2020 11:24
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Quant Title : SW846 8260
QLast Update : Fri Mar 27 07:11:05 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.01 min

Lab File: VY002153.D

Acq: 01 Apr 2020 11:24

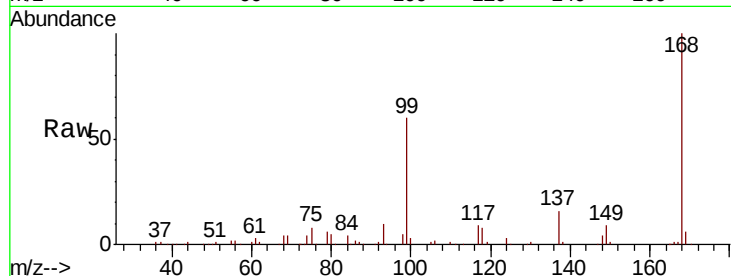
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:168 Resp: 126047

Ion Ratio Lower Upper

168 100

99 59.6 47.6 71.4



Abundance Ion 167.90 (167.60 to 168.60): VY002089.D (-985) (-)

Ion 98.90 (98.60 to 99.60): VY002089.D (-985) (-)

7.82

60000

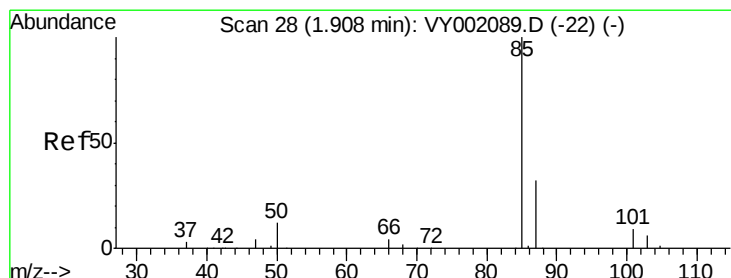
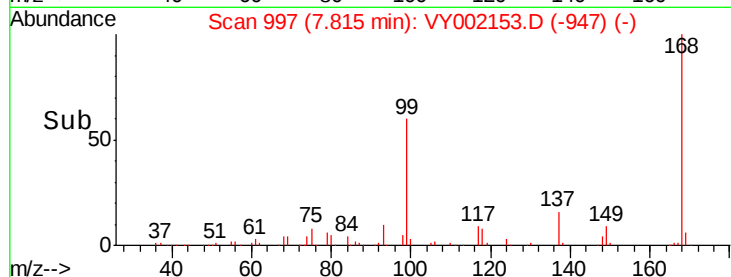
40000

20000

0

Time-->

7.70 7.80 7.90



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.92 min Scan# 30

Delta R.T. 0.01 min

Lab File: VY002153.D

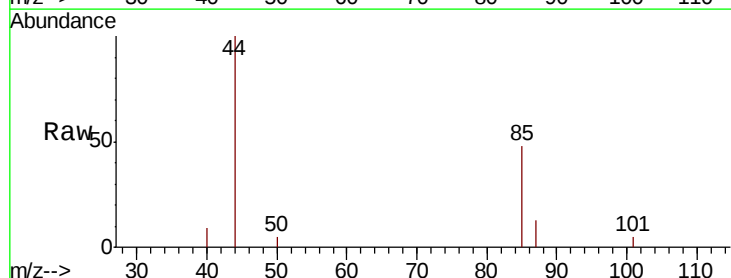
Acq: 01 Apr 2020 11:24

Tgt Ion: 85 Resp: 1210

Ion Ratio Lower Upper

85 100

87 26.2 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VY002089.D (-22) (-)

Ion 86.90 (86.60 to 87.60): VY002089.D (-22) (-)

1.92

800

600

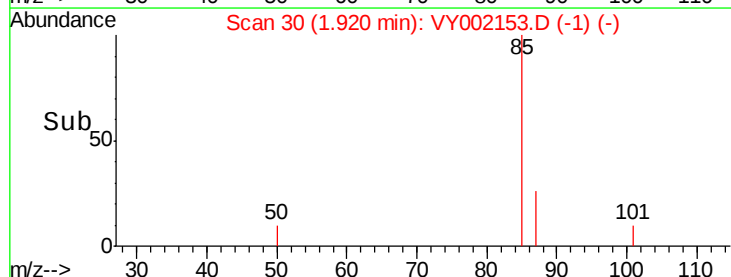
400

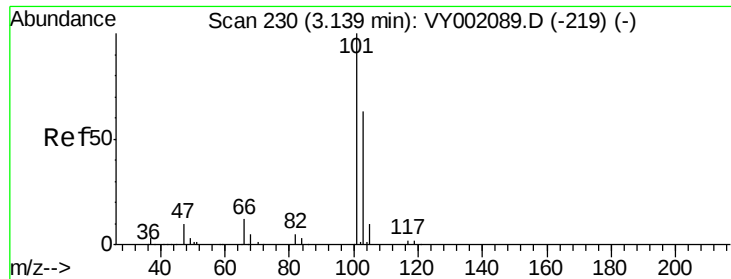
200

0

Time-->

1.90 1.95



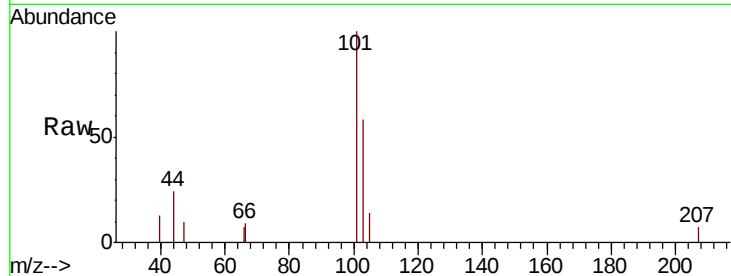


#7

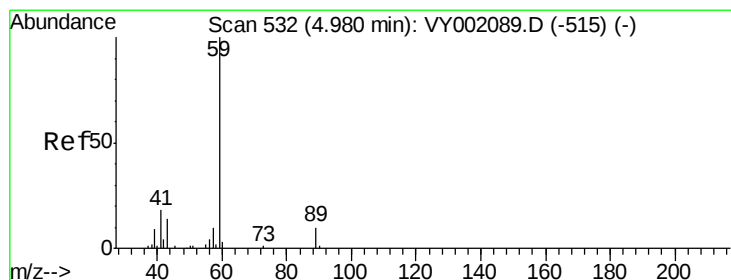
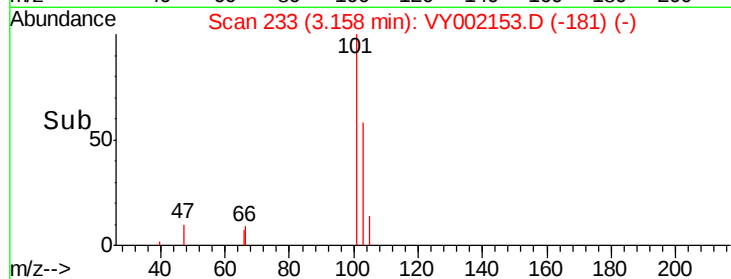
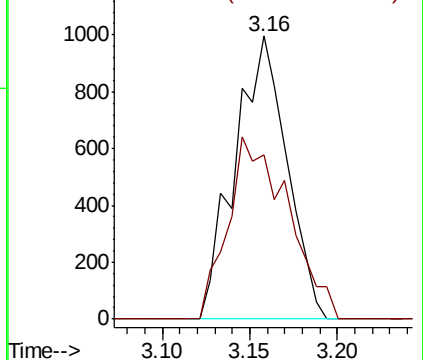
Trichlorofluoromethane
 Concen: 1.003 ug/l
 RT: 3.16 min Scan# 233
 Delta R.T. 0.02 min
 Lab File: VY002153.D
 Acq: 01 Apr 2020 11:24

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion:101 Resp: 2059
 Ion Ratio Lower Upper
 101 100
 103 58.1 50.6 76.0



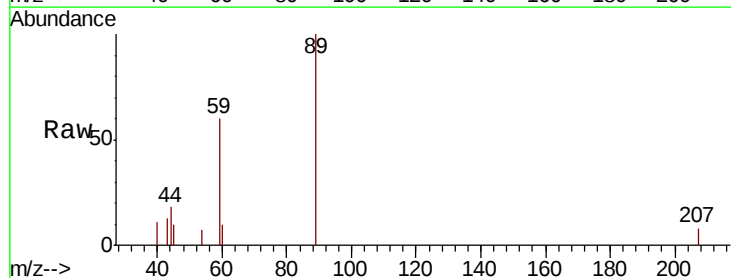
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



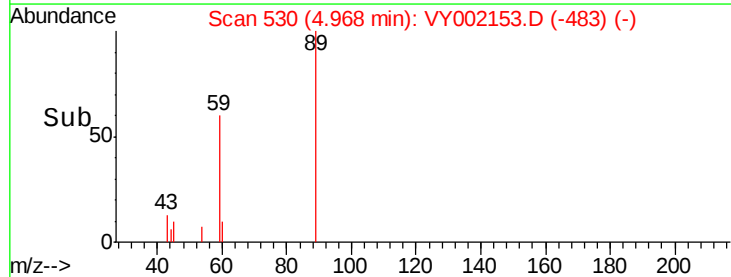
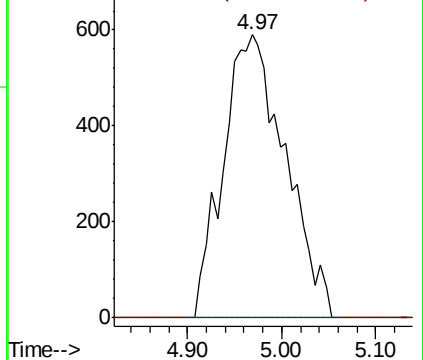
#11

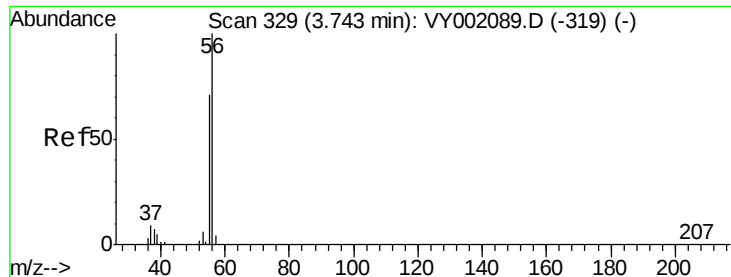
Tert butyl alcohol
 Concen: 16.510 ug/l
 RT: 4.97 min Scan# 530
 Delta R.T. -0.01 min
 Lab File: VY002153.D
 Acq: 01 Apr 2020 11:24

Tgt Ion: 59 Resp: 2711
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VY0
 Ion 57.00 (56.70 to 57.70): VY0





#13

Acrolein

Concen: 1.048 ug/l

RT: 3.77 min Scan# 334

Delta R.T. 0.03 min

Lab File: VY002153.D

Acq: 01 Apr 2020 11:24

Instrument :

MSVOA_Y

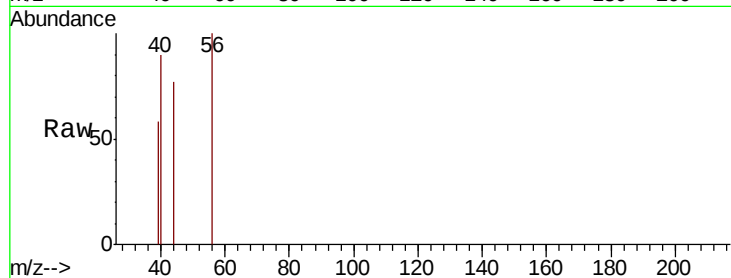
ClientSampled :

Tot Ion: 56 Resp: 215

Ion Ratio Lower Upper

56 100

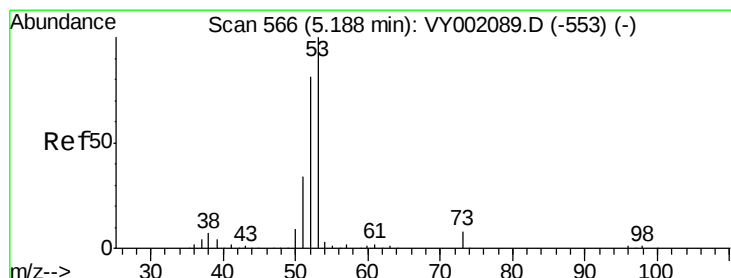
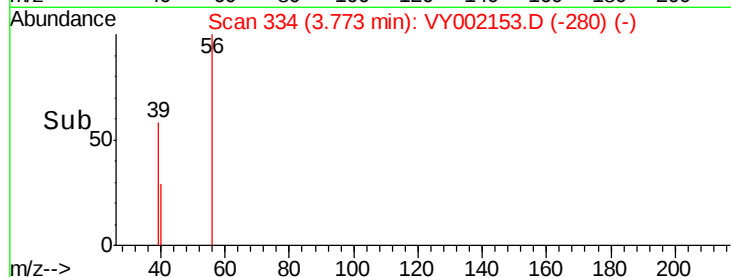
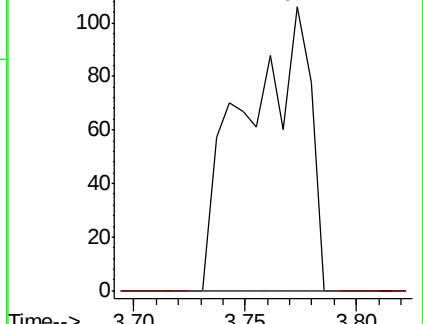
55 0.0 56.5 84.7#



Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

3.77



#15

Acrylonitrile

Concen: 1.082 ug/l

RT: 5.22 min Scan# 572

Delta R.T. 0.04 min

Lab File: VY002153.D

Acq: 01 Apr 2020 11:24

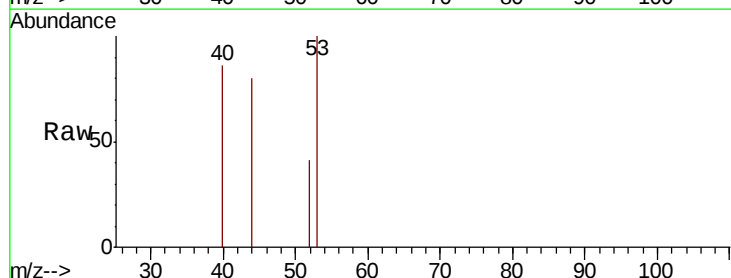
Tgt Ion: 53 Resp: 493

Ion Ratio Lower Upper

53 100

52 75.3 64.6 97.0

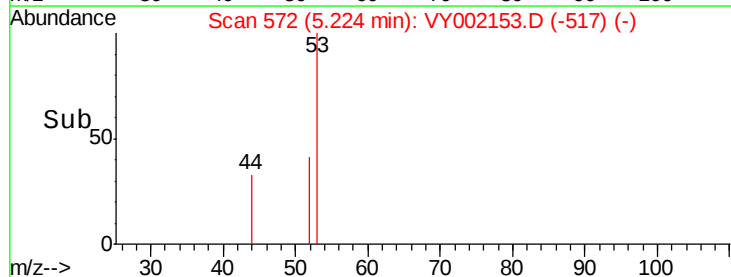
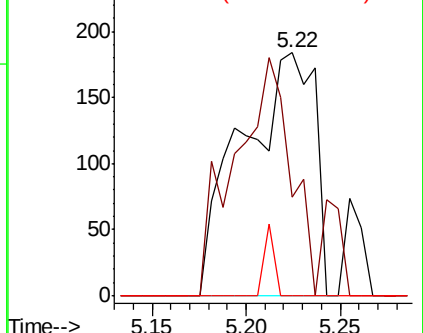
51 4.1 27.9 41.9#

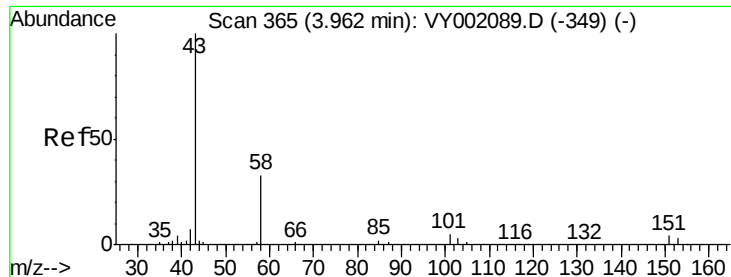


Abundance Ion 53.00 (52.70 to 53.70): VY0

Ion 52.00 (51.70 to 52.70): VY0

Ion 51.00 (50.70 to 51.70): VY0





#16

Acetone

Concen: 4.555 ug/l

RT: 3.99 min Scan# 369

Delta R.T. 0.02 min

Lab File: VY002153.D

Acq: 01 Apr 2020 11:24

Instrument :

MSVOA_Y

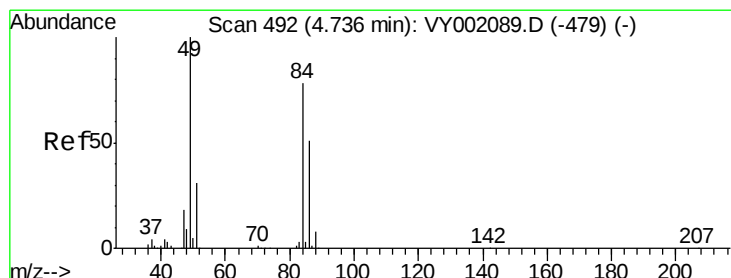
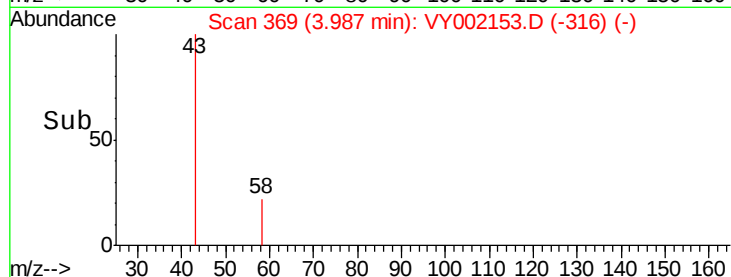
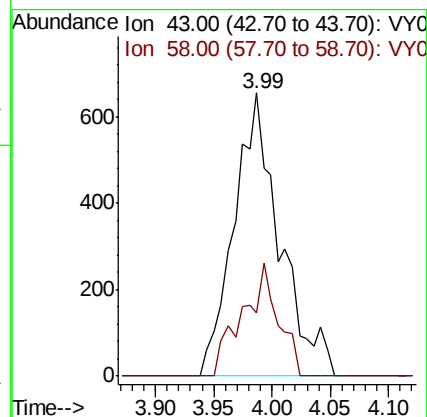
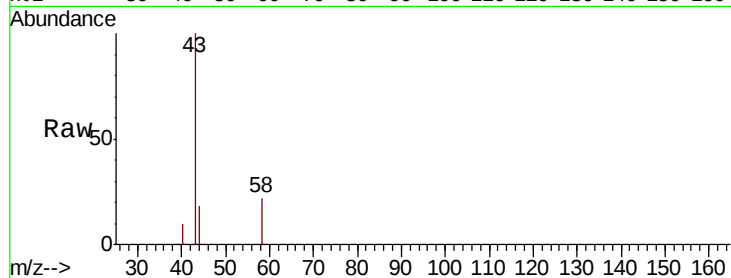
ClientSampleId :

Tot Ion: 43 Resp: 1783

Ion Ratio Lower Upper

43 100

58 22.3 26.3 39.5#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.76 min Scan# 496

Delta R.T. 0.03 min

Lab File: VY002153.D

Acq: 01 Apr 2020 11:24

Tgt Ion: 84 Resp: 5334

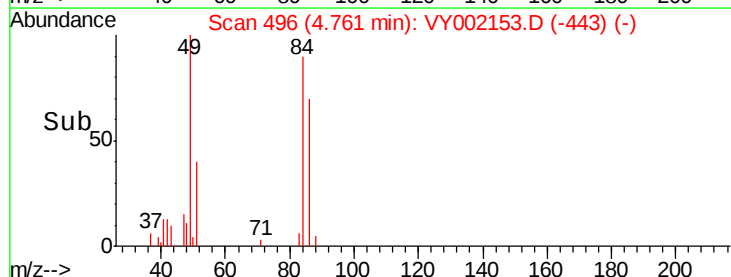
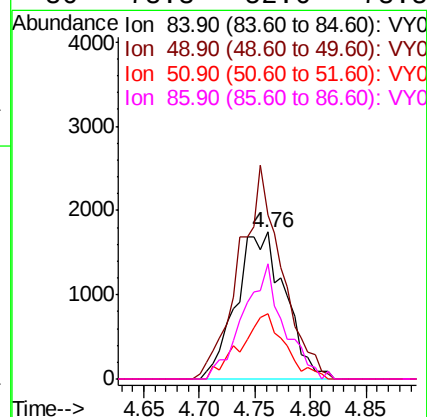
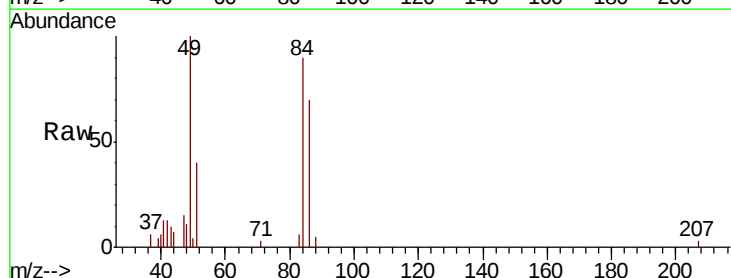
Ion Ratio Lower Upper

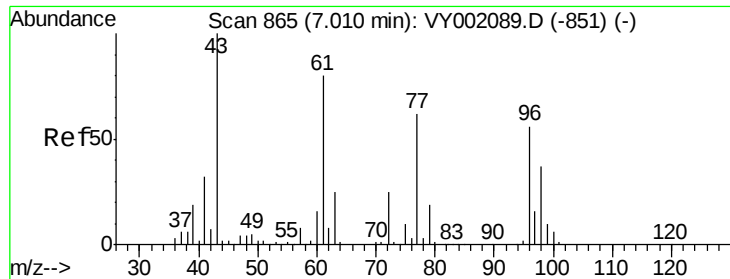
84 100

49 111.5 102.2 153.4

51 44.4 31.2 46.8

86 78.3 52.6 78.8





#25

2-Butanone

Concen: 4.179 ug/l

RT: 7.02 min Scan# 866

Delta R.T. 0.01 min

Lab File: VY002153.D

Acq: 01 Apr 2020 11:24

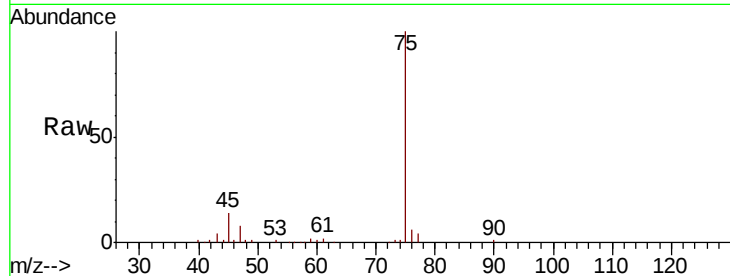
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 43 Resp: 2512

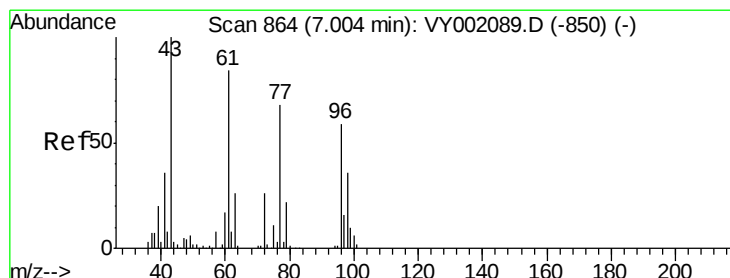
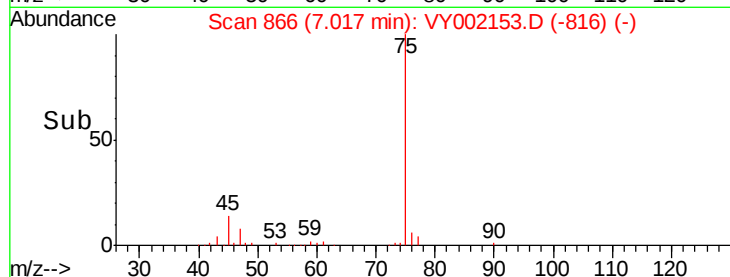
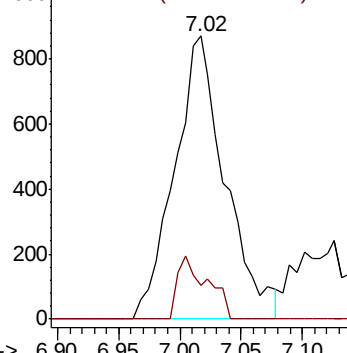
Ion Ratio Lower Upper

43 100

72 11.7 20.2 30.2#



Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 72.00 (71.70 to 72.70): VY0



#26

2,2-Dichloropropane

Concen: 1.255 ug/l

RT: 7.00 min Scan# 863

Delta R.T. -0.01 min

Lab File: VY002153.D

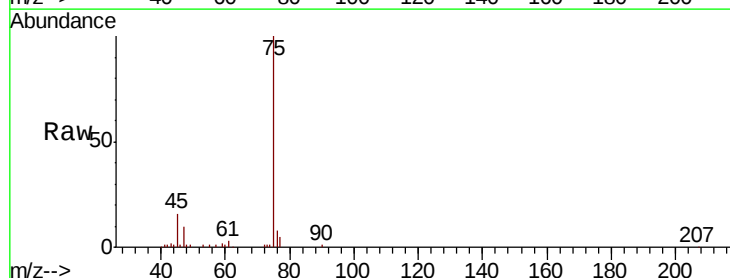
Acq: 01 Apr 2020 11:24

Tgt Ion: 77 Resp: 2816

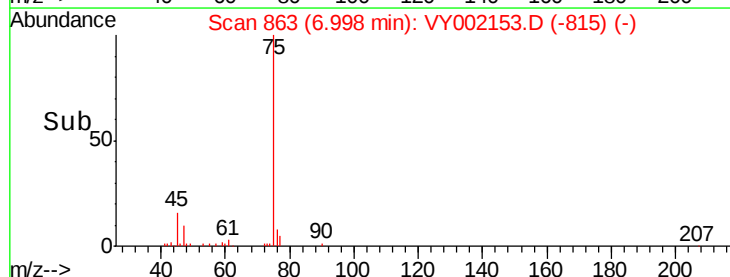
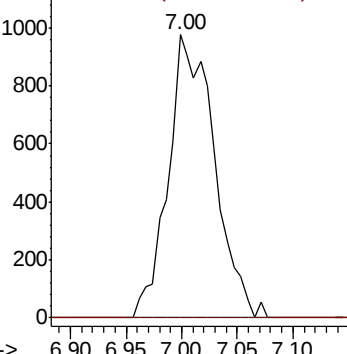
Ion Ratio Lower Upper

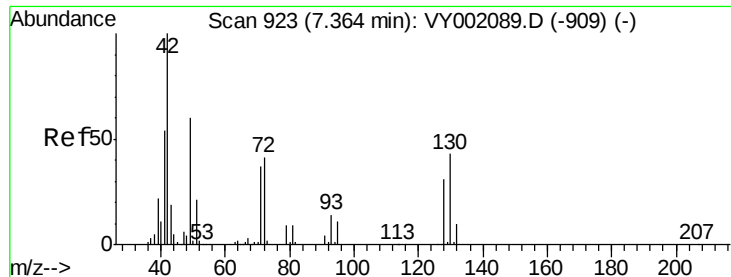
77 100

97 0.0 11.7 35.1#



Abundance Ion 76.90 (76.60 to 77.60): VY0
Ion 96.90 (96.60 to 97.60): VY0

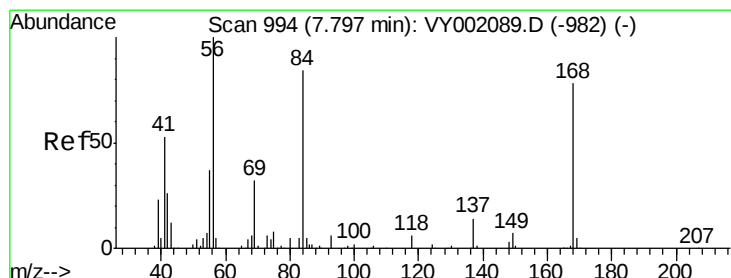
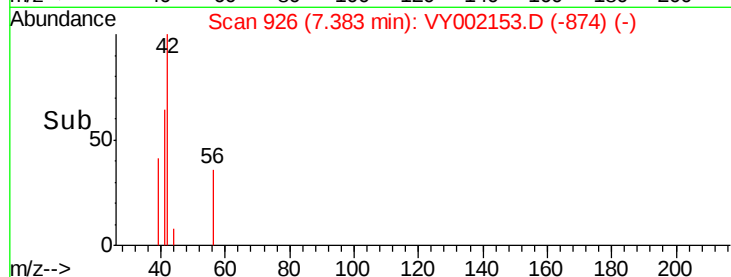
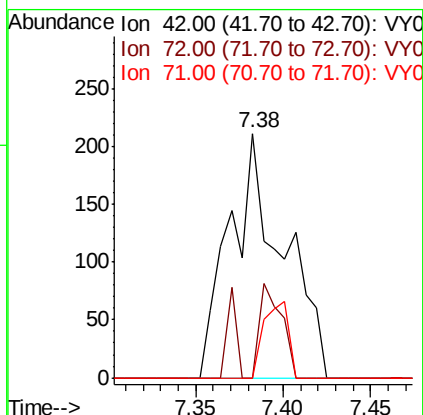
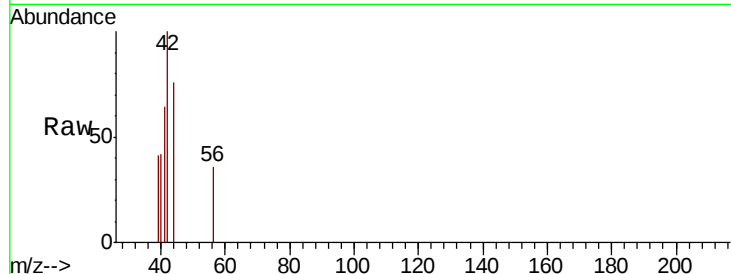




#29
Tetrahydrofuran
Concen: 1.132 ug/l
RT: 7.38 min Scan# 926
Delta R.T. 0.02 min
Lab File: VY002153.D
Acq: 01 Apr 2020 11:24

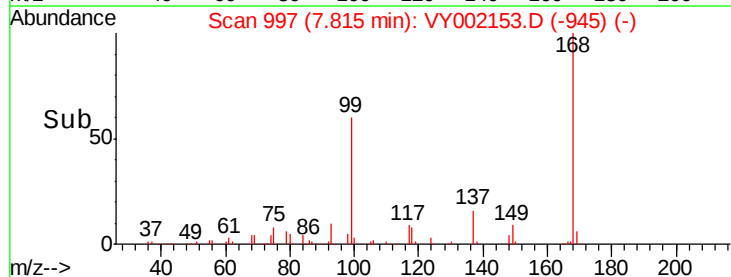
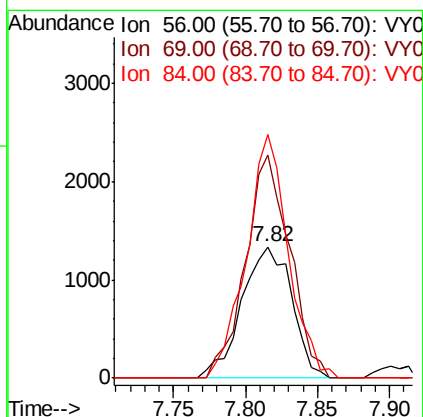
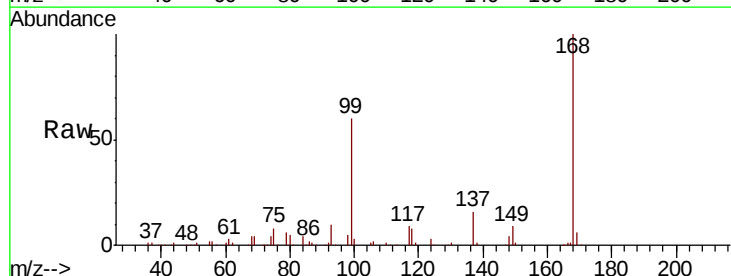
Instrument :
MSVOA_Y
ClientSampled :

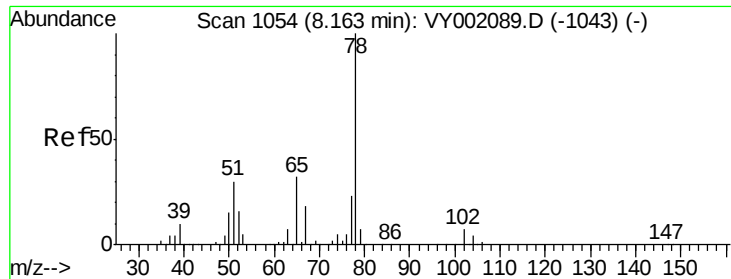
Tot Ion: 42 Resp: 446
Ion Ratio Lower Upper
42 100
72 15.9 33.0 49.4#
71 14.3 31.2 46.8#



#31
Cyclohexane
Concen: 1.109 ug/l
RT: 7.82 min Scan# 997
Delta R.T. 0.02 min
Lab File: VY002153.D
Acq: 01 Apr 2020 11:24

Tgt Ion: 56 Resp: 3219
Ion Ratio Lower Upper
56 100
69 170.5 25.8 38.8#
84 185.9 67.1 100.7#

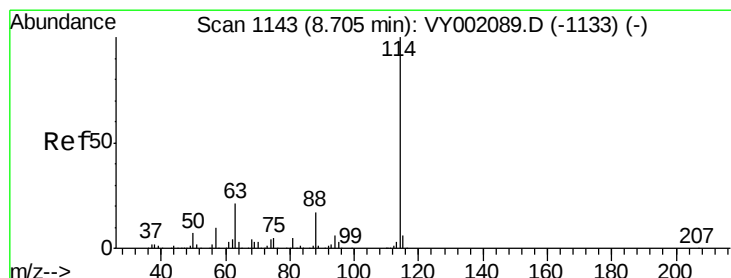
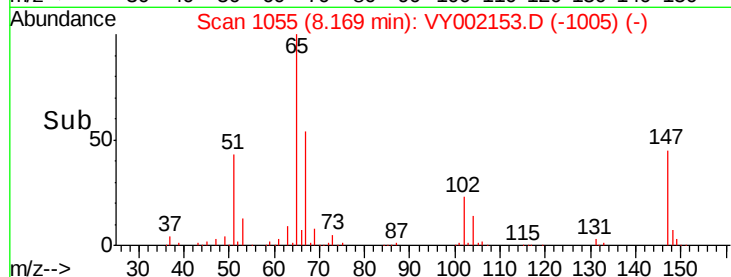
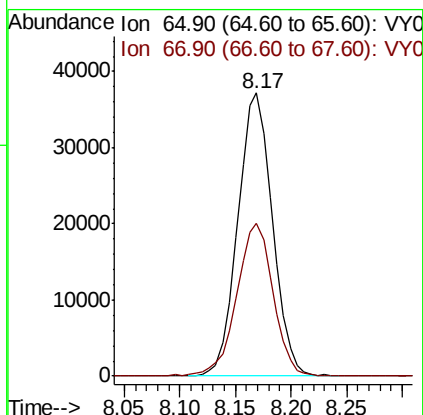
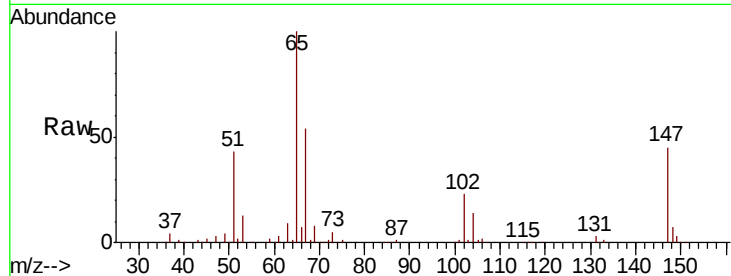




#33
 1,2-Dichloroethane-d4
 Concen: 57.449 ug/l
 RT: 8.17 min Scan# 1055
 Delta R.T. 0.01 min
 Lab File: VY002153.D
 Acq: 01 Apr 2020 11:24

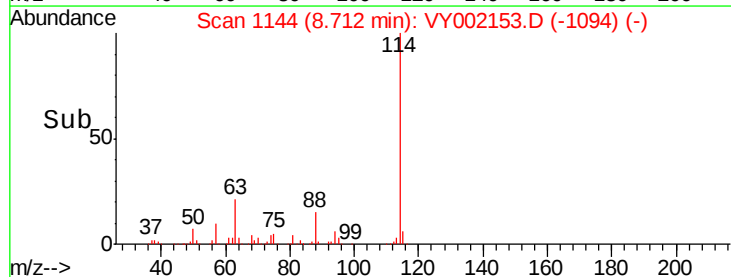
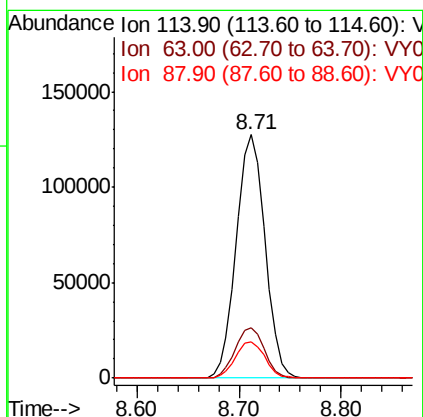
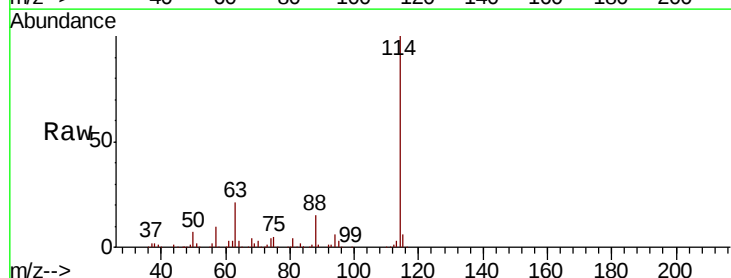
Instrument :
 MSVOA_Y
 ClientSampleId :

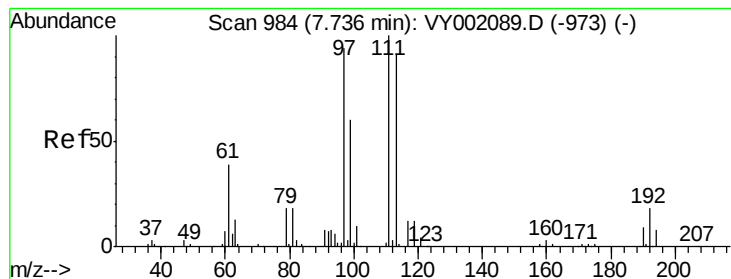
Tot Ion: 65 Resp: 80050
 Ion Ratio Lower Upper
 65 100
 67 57.1 0.0 112.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1144
 Delta R.T. 0.01 min
 Lab File: VY002153.D
 Acq: 01 Apr 2020 11:24

Tgt Ion: 114 Resp: 249246
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 41.4
 88 15.0 0.0 33.0





#35

Dibromofluoromethane

Concen: 53.144 ug/l

RT: 7.74 min Scan# 985

Delta R.T. 0.01 min

Lab File: VY002153.D

Acq: 01 Apr 2020 11:24

Instrument :

MSVOA_Y

ClientSampleId :

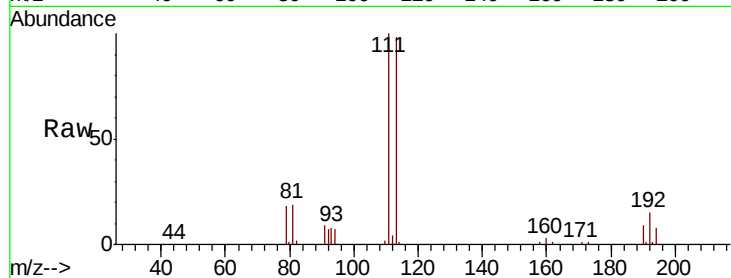
Tot Ion:113 Resp: 74219

Ion Ratio Lower Upper

113 100

111 102.6 84.4 126.6

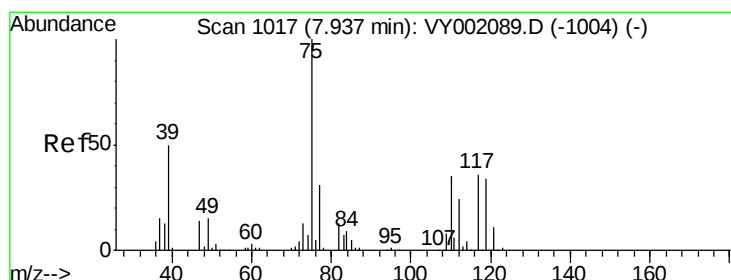
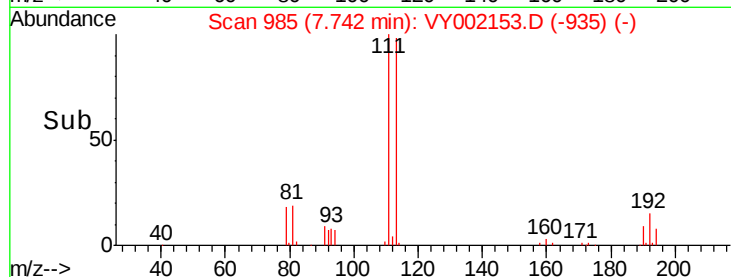
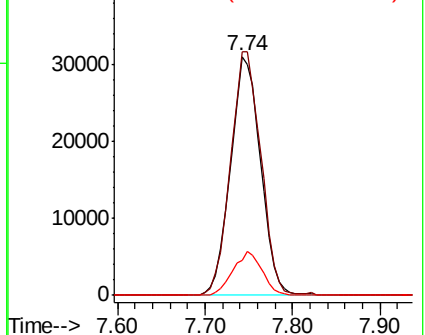
192 17.9 14.6 21.8



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.674 ug/l

RT: 7.82 min Scan# 997

Delta R.T. -0.12 min

Lab File: VY002153.D

Acq: 01 Apr 2020 11:24

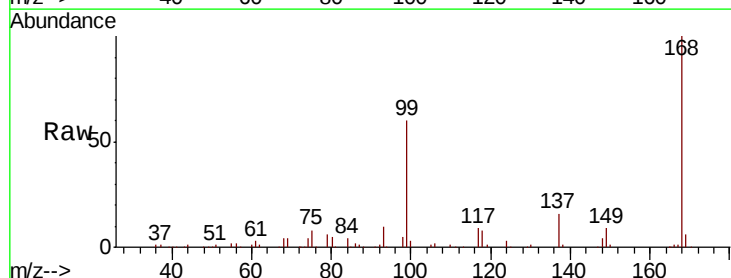
Tgt Ion: 75 Resp: 11019

Ion Ratio Lower Upper

75 100

110 7.6 17.2 51.6#

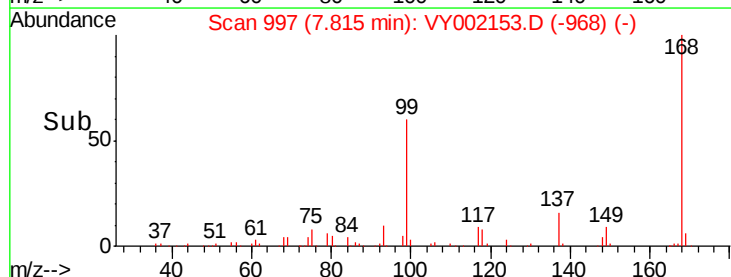
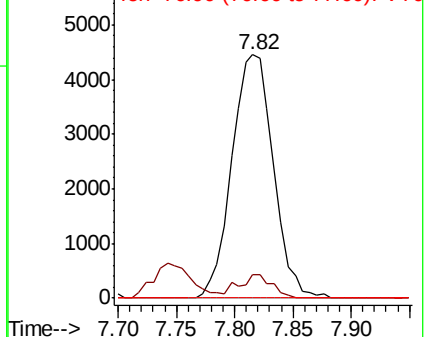
77 0.0 24.7 37.1#

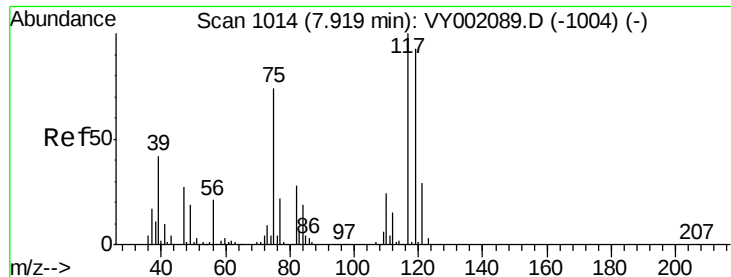


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0

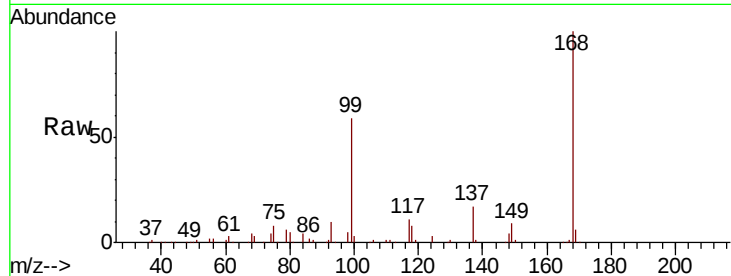




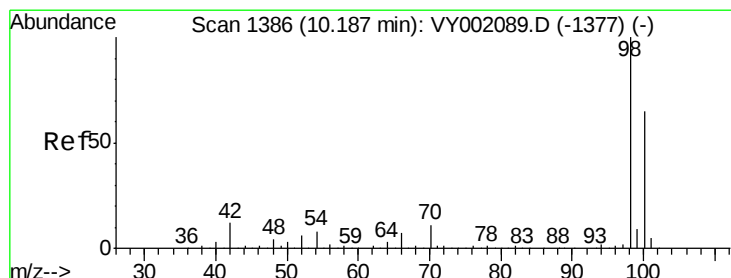
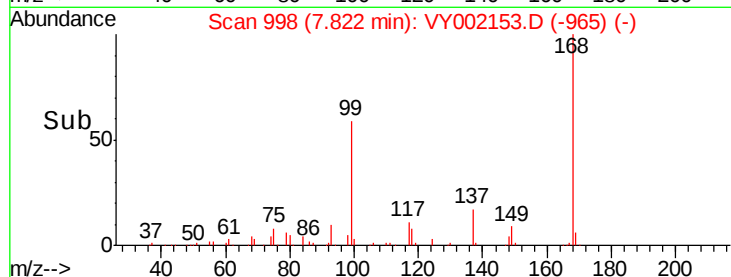
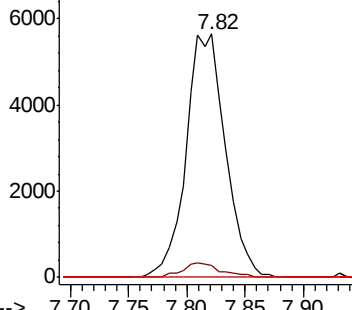
#38
Carbon Tetrachloride
Concen: 6.635 ug/l
RT: 7.82 min Scan# 998
Delta R.T. -0.10 min
Lab File: VY002153.D
Acq: 01 Apr 2020 11:24

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:117 Resp: 13272
Ion Ratio Lower Upper
117 100
119 4.8 74.3 111.5#
121 0.0 23.3 34.9#

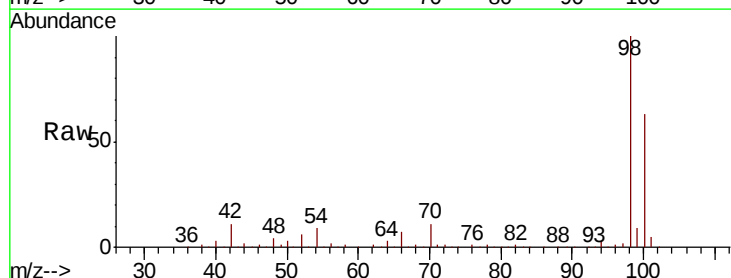


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

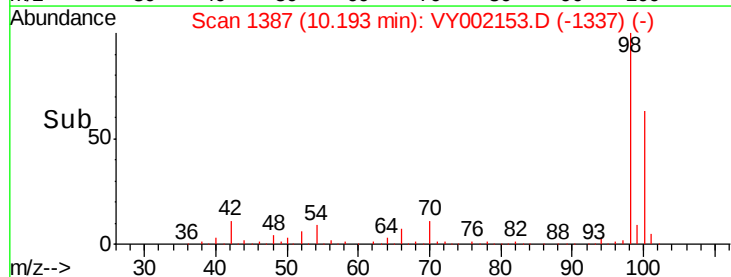
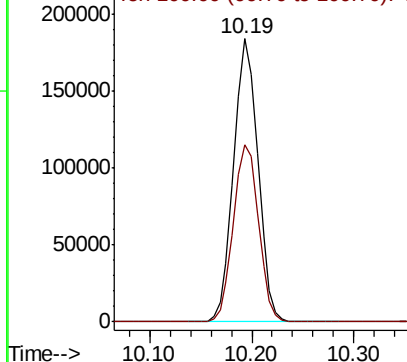


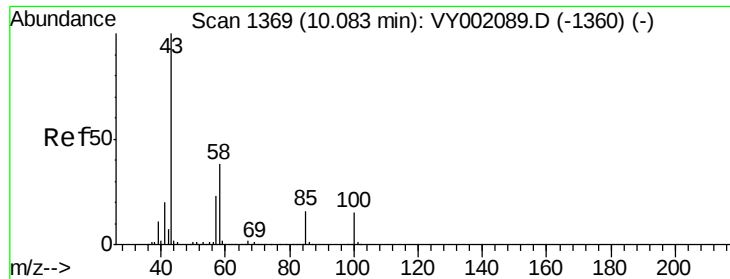
#50
Toluene-d8
Concen: 52.310 ug/l
RT: 10.19 min Scan# 1387
Delta R.T. 0.01 min
Lab File: VY002153.D
Acq: 01 Apr 2020 11:24

Tgt Ion: 98 Resp: 303487
Ion Ratio Lower Upper
98 100
100 64.8 51.6 77.4



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





#51

4-Methyl-2-Pentanone

Concen: 4.770 ug/l

RT: 10.08 min Scan# 1369

Delta R.T. 0.00 min

Lab File: VY002153.D

Acq: 01 Apr 2020 11:24

Instrument :

MSVOA_Y

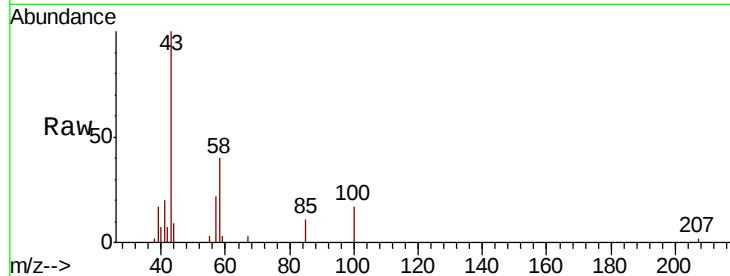
ClientSampleId :

Tot Ion: 43 Resp: 6495

Ion Ratio Lower Upper

43 100

58 42.8 31.6 47.4

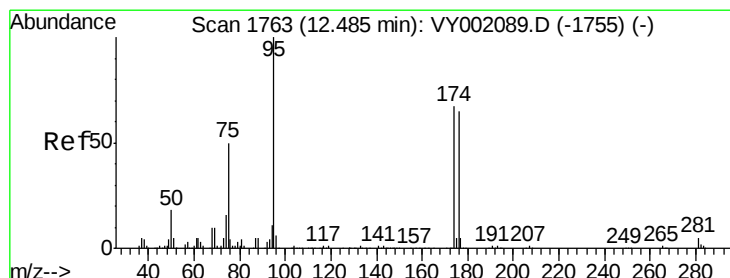
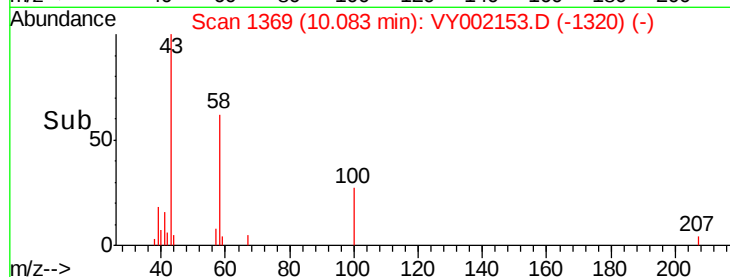


Abundance Ion 43.00 (42.70 to 43.70): VY002089.D (-1360) (-)

Ion 58.00 (57.70 to 58.70): VY002089.D (-1360) (-)

10.08

Time-->



#62

4-Bromofluorobenzene

Concen: 50.799 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VY002153.D

Acq: 01 Apr 2020 11:24

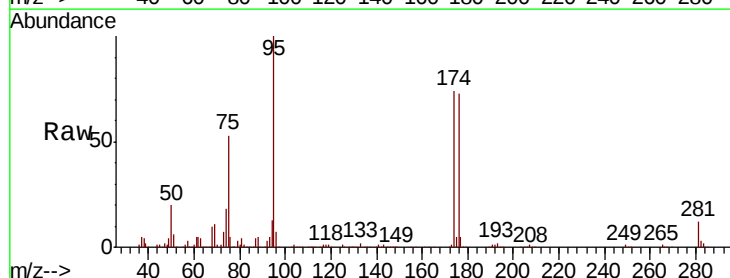
Tgt Ion: 95 Resp: 103072

Ion Ratio Lower Upper

95 100

174 73.5 0.0 143.4

176 70.8 0.0 137.0



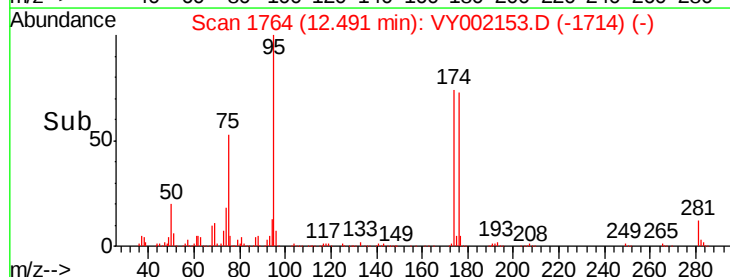
Abundance Ion 94.90 (94.60 to 95.60): VY002089.D (-1755) (-)

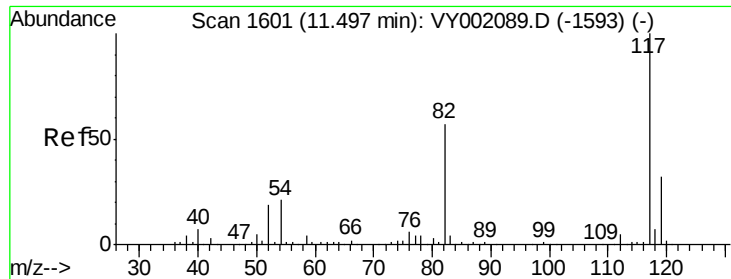
Ion 173.80 (173.50 to 174.50): VY002089.D (-1755) (-)

Ion 175.80 (175.50 to 176.50): VY002089.D (-1755) (-)

12.49

Time-->

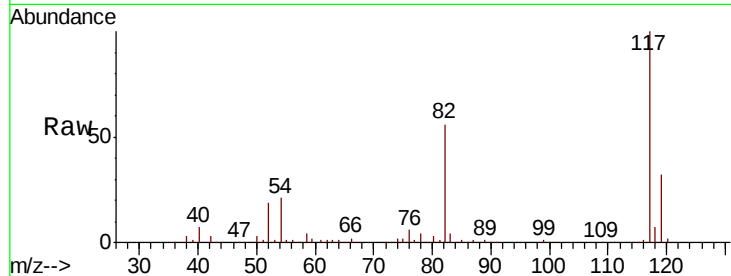




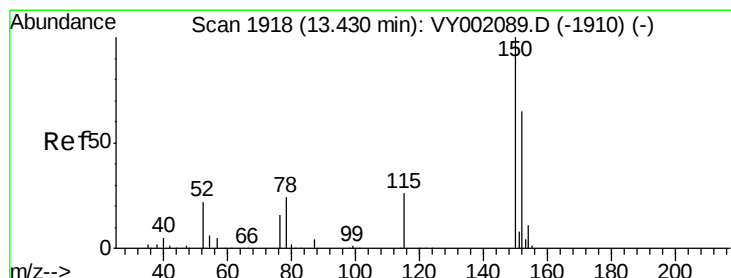
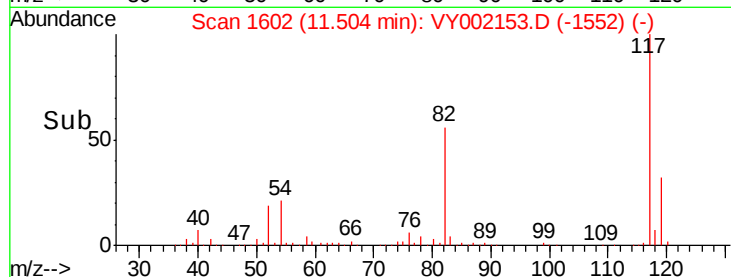
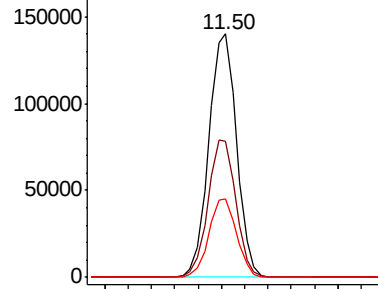
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.01 min
Lab File: VY002153.D
Acq: 01 Apr 2020 11:24

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:117 Resp: 232295
Ion Ratio Lower Upper
117 100
82 55.8 45.4 68.2
119 32.0 25.3 37.9

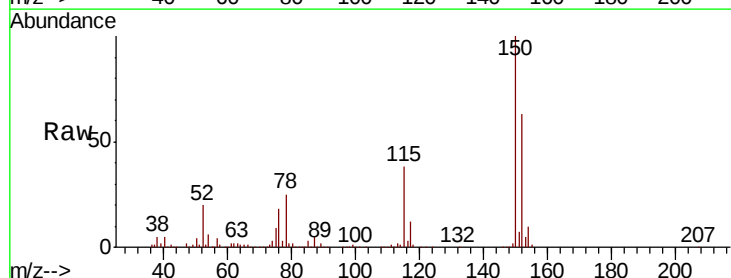


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

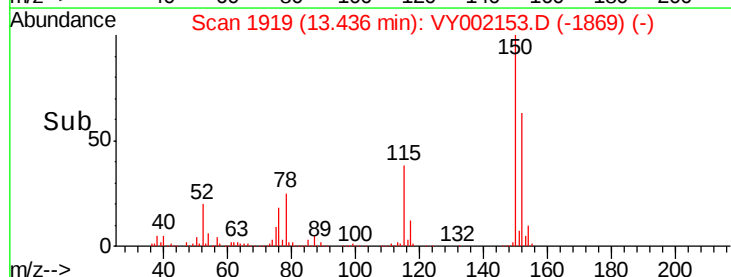
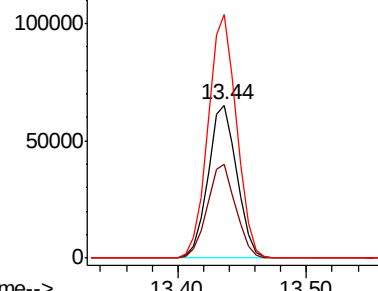


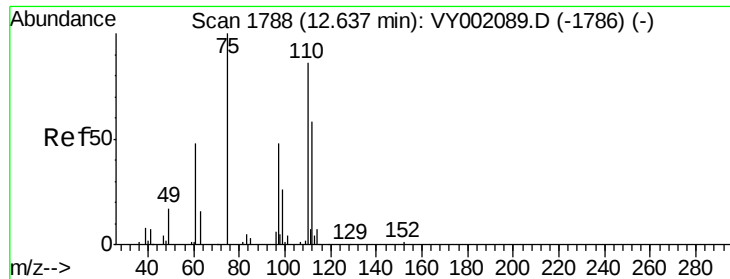
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.44 min Scan# 1919
Delta R.T. 0.01 min
Lab File: VY002153.D
Acq: 01 Apr 2020 11:24

Tgt Ion:152 Resp: 100418
Ion Ratio Lower Upper
152 100
115 60.7 31.2 93.6
150 158.0 0.0 354.8



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

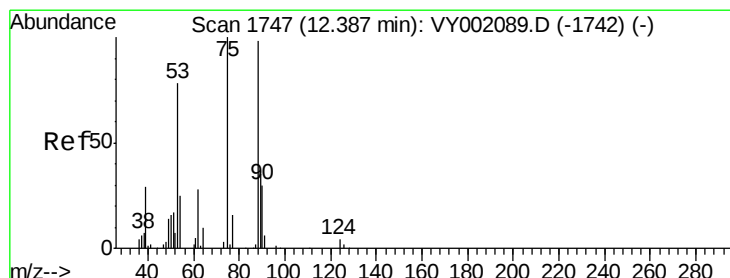
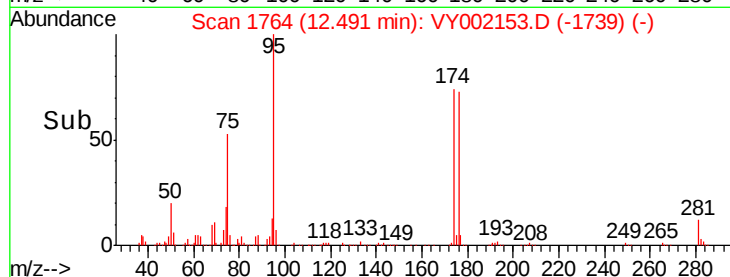
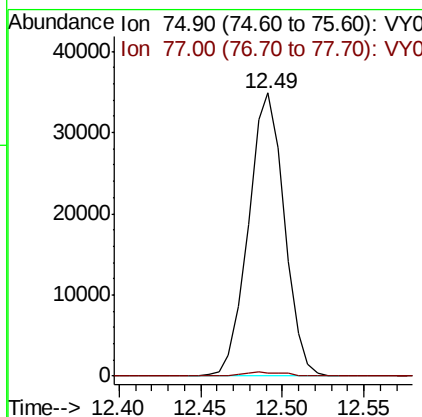
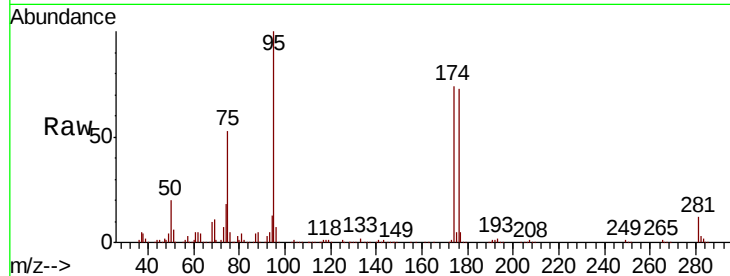




#76
 1,2,3-Trichloropropane
 Concen: 47.739 ug/l
 RT: 12.49 min Scan# 1764
 Delta R.T. -0.15 min
 Lab File: VY002153.D
 Acq: 01 Apr 2020 11:24

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion: 75 Resp: 53624
 Ion Ratio Lower Upper
 75 100
 77 1.6 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 92.488 ug/l
 RT: 12.49 min Scan# 1764
 Delta R.T. 0.10 min
 Lab File: VY002153.D
 Acq: 01 Apr 2020 11:24

Tgt Ion: 75 Resp: 53624
 Ion Ratio Lower Upper
 75 100
 53 0.0 65.0 97.4#
 89 0.3 33.4 50.0#

