

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY031020\
 Data File : VY001919.D
 Acq On : 10 Mar 2020 13:08
 Operator : SY/MD
 Sample : VY0310SBL01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Mar 11 03:54:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 04:05:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	152932	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	8.70	114	295046	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.50	117	268204	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.45	152	112406	50.00	ug/l	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.15	65	89829	55.02	ug/l	-0.02
Spiked Amount			Recovery	=	110.04%	
35) Dibromofluoromethane	7.73	113	86220	53.52	ug/l	-0.02
Spiked Amount			Recovery	=	107.04%	
50) Toluene-d8	10.19	98	359143	52.86	ug/l	0.00
Spiked Amount			Recovery	=	105.72%	
62) 4-Bromofluorobenzene	12.50	95	119567	50.62	ug/l	0.01
Spiked Amount			Recovery	=	101.24%	

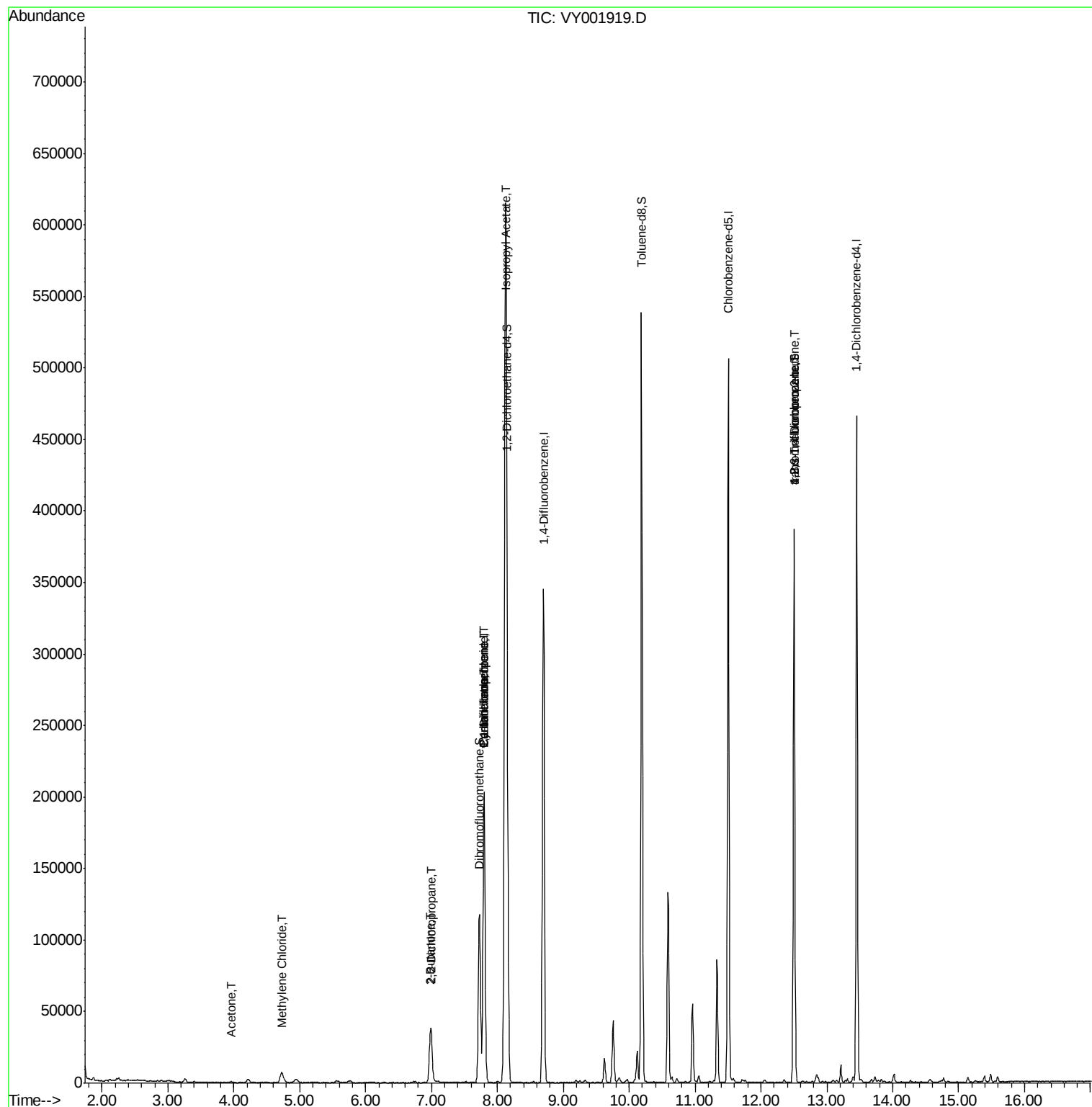
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.68	94	169	Below Cal	#	4
11) Tert butyl alcohol	4.95	59	3467	Below Cal	#	82
16) Acetone	3.96	43	1284	2.700	ug/l #	85
20) Methylene Chloride	4.72	84	5330	2.615	ug/l #	95
25) 2-Butanone	6.98	43	959	1.326	ug/l #	49
26) 2,2-Dichloropropane	6.99	77	2818	1.026	ug/l #	52
31) Cyclohexane	7.80	56	3728	1.039	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	12879	4.536	ug/l #	50
38) Carbon Tetrachloride	7.80	117	15736	6.488	ug/l #	16
43) Isopropyl Acetate	8.12	43	15621	5.000	ug/l #	48
58) 2-Chloroethyl Vinyl ether	9.80	63	22	Below Cal	#	48
76) 1,2,3-Trichloropropane	12.50	75	61337	45.988	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.50	75	61337	92.893	ug/l #	17

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y030420S.M
Quant Title : SW846 8260
QLast Update : Thu Mar 05 04:05:33 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.02 min

Lab File: VY001919.D

Acq: 10 Mar 2020 13:08

Instrument :

MSVOA_Y

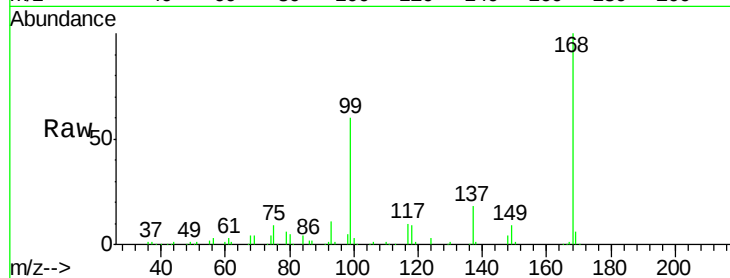
ClientSampleId :

Tot Ion:168 Resp: 152932

Ion Ratio Lower Upper

168 100

99 60.2 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): VY001845.D (-986) (-)

Ion 98.90 (98.60 to 99.60): VY001845.D (-986) (-)

7.80

60000

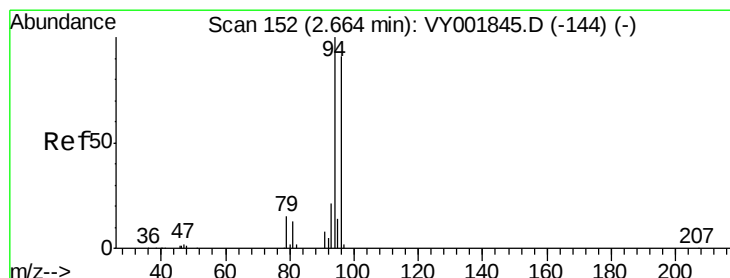
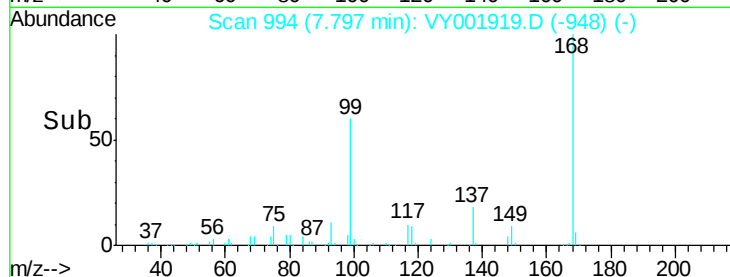
40000

20000

0

7.70 7.80 7.90

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.68 min Scan# 154

Delta R.T. 0.01 min

Lab File: VY001919.D

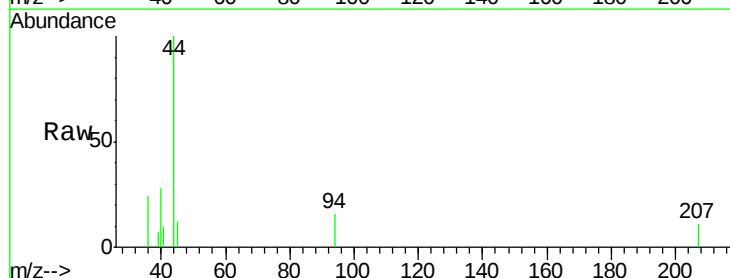
Acq: 10 Mar 2020 13:08

Tgt Ion: 94 Resp: 169

Ion Ratio Lower Upper

94 100

96 0.0 73.2 109.8#



Abundance Ion 93.90 (93.60 to 94.60): VY001845.D (-144) (-)

Ion 95.90 (95.60 to 96.60): VY001845.D (-144) (-)

150

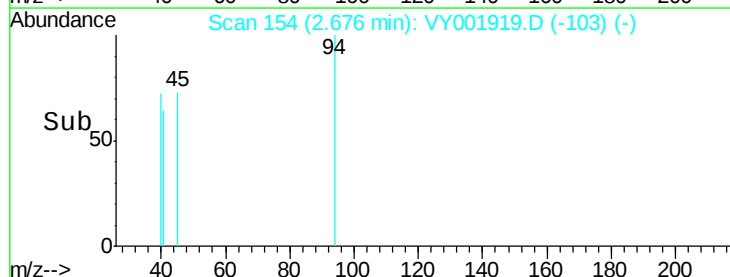
100

50

0

2.62 2.64 2.66 2.68 2.70

Time-->



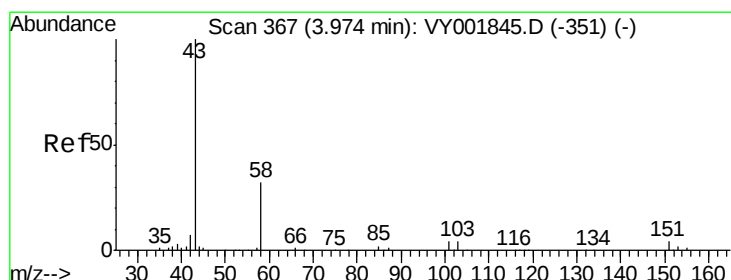
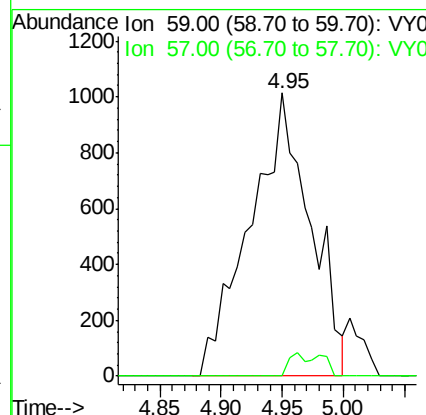
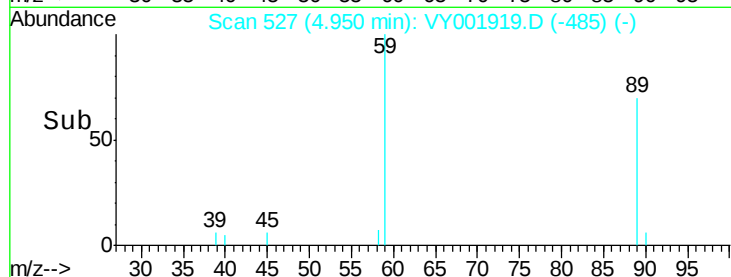
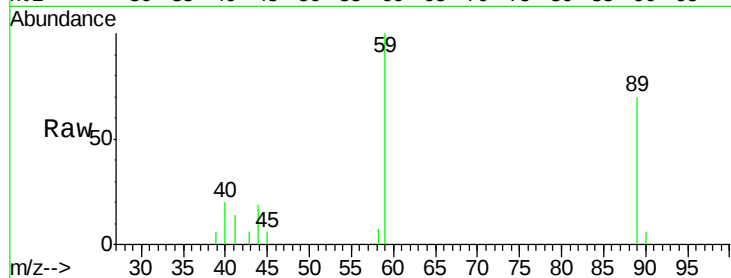


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 4.95 min Scan# 527
 Delta R.T. -0.04 min
 Lab File: VY001919.D
 Acq: 10 Mar 2020 13:08

Instrument :
 MSVOA_Y
 ClientSampled :

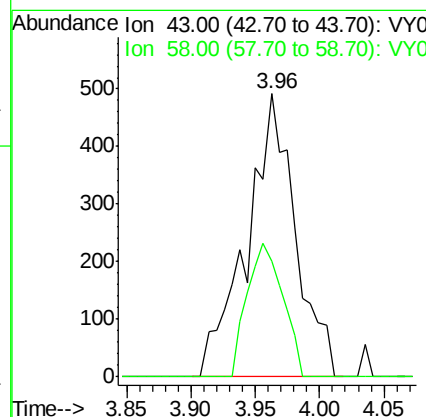
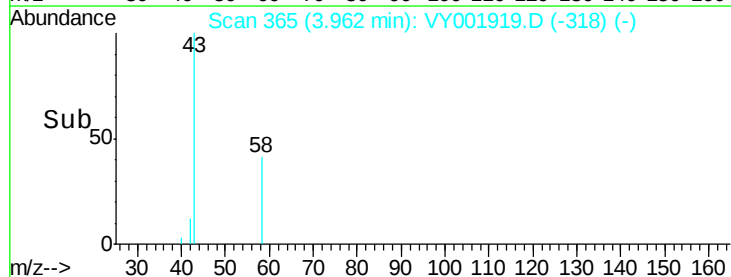
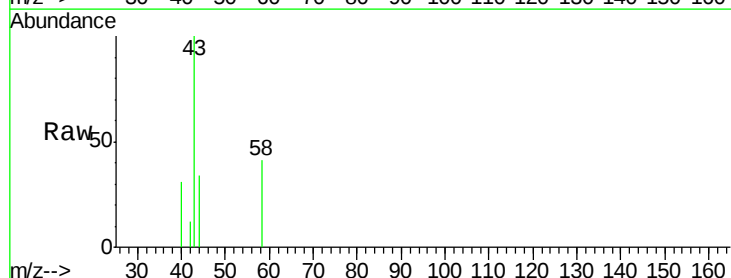
Tot Ion: 59 Resp: 3467
 Ion Ratio Lower Upper
 59 100
 57 2.8 7.4 11.2#

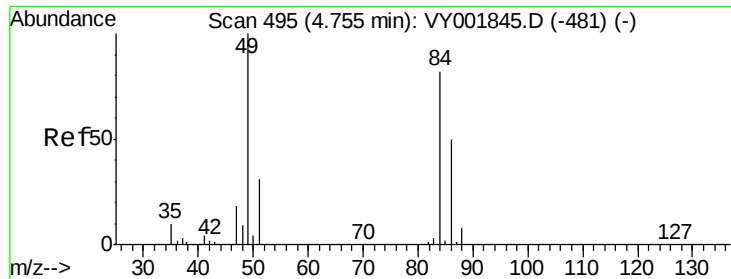


#16

Acetone
 Concen: 2.700 ug/l
 RT: 3.96 min Scan# 365
 Delta R.T. -0.01 min
 Lab File: VY001919.D
 Acq: 10 Mar 2020 13:08

Tgt Ion: 43 Resp: 1284
 Ion Ratio Lower Upper
 43 100
 58 40.7 25.9 38.9#

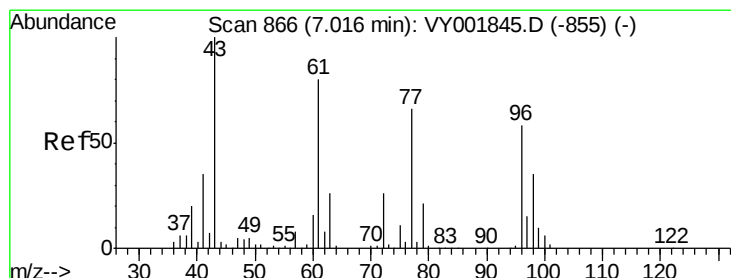
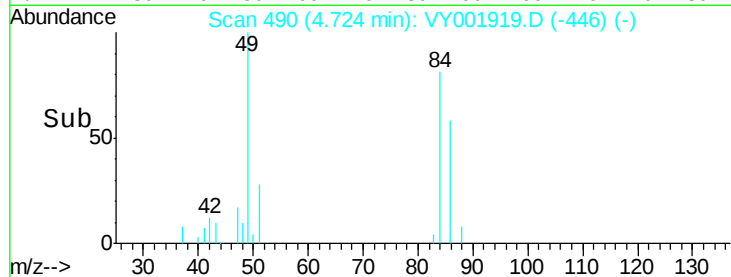
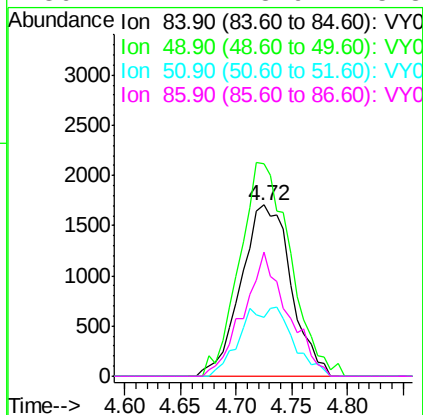
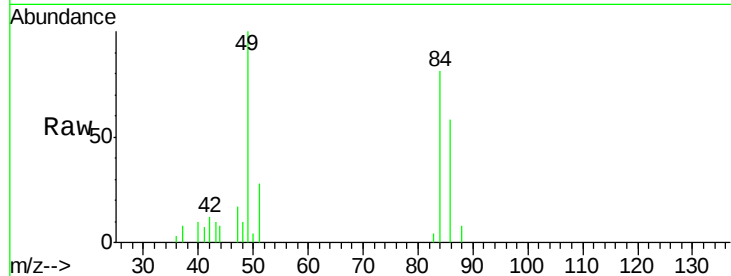




#20
Methvlene Chloride
Concen: 2.615 ug/l
RT: 4.72 min Scan# 490
Delta R.T. -0.03 min
Lab File: VY001919.D
Acq: 10 Mar 2020 13:08

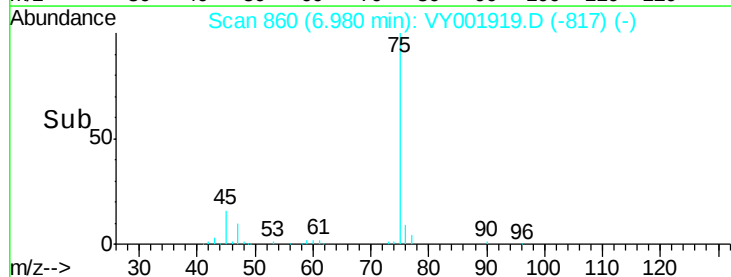
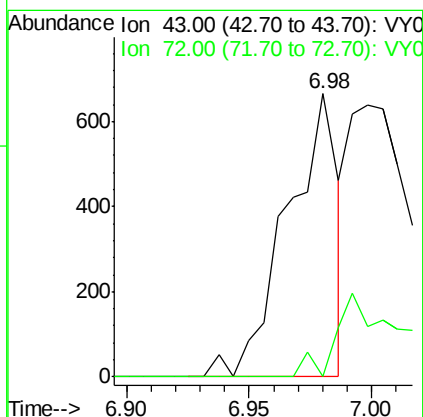
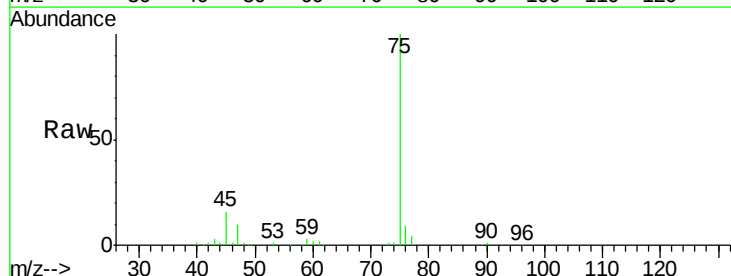
Instrument :
MSVOA_Y
ClientSampleId :

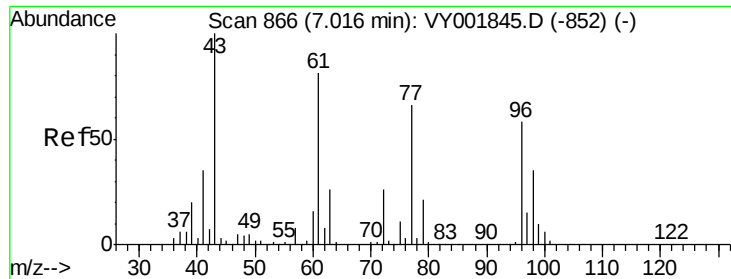
Tot Ion: 84 Resp: 5330
Ion Ratio Lower Upper
84 100
49 123.6 98.2 147.2
51 34.7 30.2 45.2
86 72.2 48.9 73.3



#25
2-Butanone
Concen: 1.326 ug/l
RT: 6.98 min Scan# 860
Delta R.T. -0.04 min
Lab File: VY001919.D
Acq: 10 Mar 2020 13:08

Tgt Ion: 43 Resp: 959
Ion Ratio Lower Upper
43 100
72 0.0 20.9 31.3#

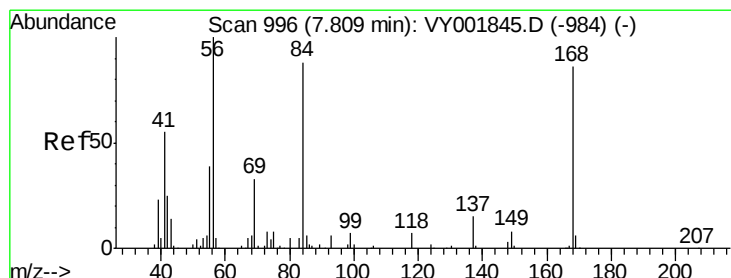
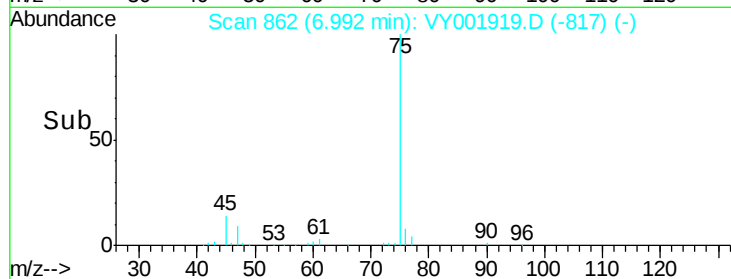
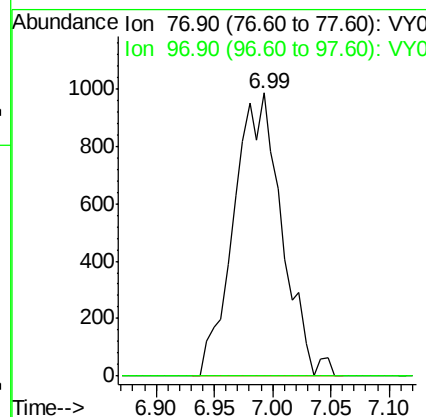
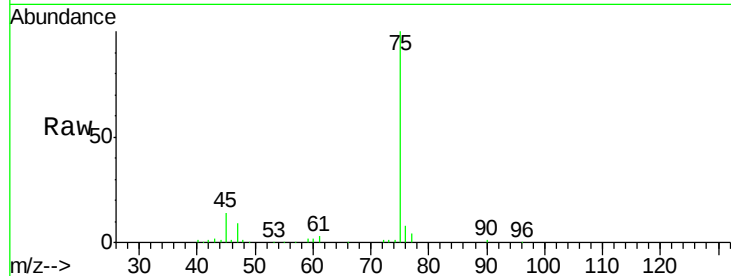




#26
 2,2-Dichloropropane
 Concen: 1.026 ug/l
 RT: 6.99 min Scan# 862
 Delta R.T. -0.02 min
 Lab File: VY001919.D
 Acq: 10 Mar 2020 13:08

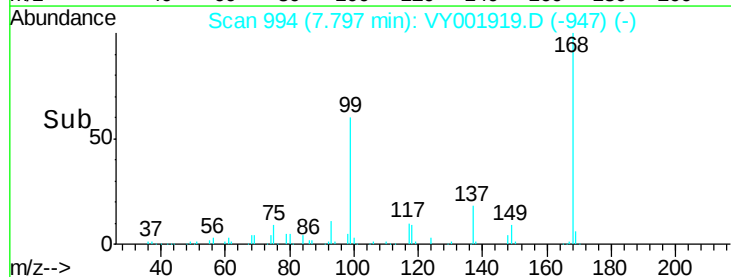
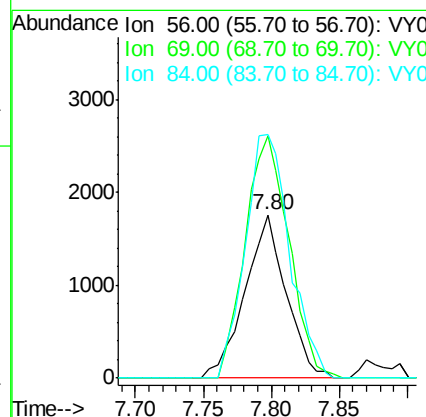
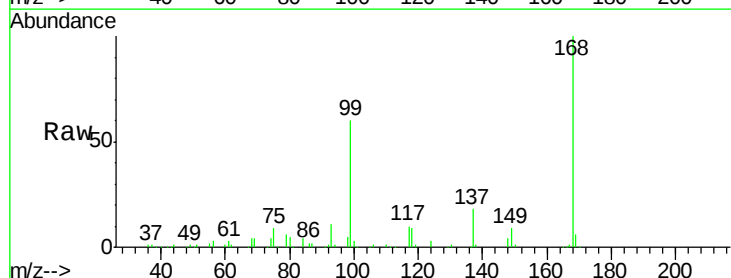
Instrument :
 MSVOA_Y
 ClientSampled :

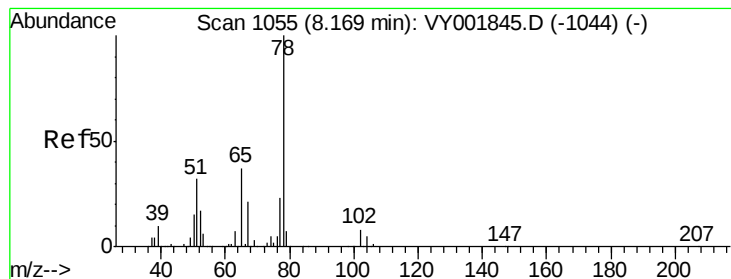
Tot Ion: 77 Resp: 2818
 Ion Ratio Lower Upper
 77 100
 97 0.0 11.9 35.7#



#31
 Cyclohexane
 Concen: 1.039 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.01 min
 Lab File: VY001919.D
 Acq: 10 Mar 2020 13:08

Tgt Ion: 56 Resp: 3728
 Ion Ratio Lower Upper
 56 100
 69 148.7 26.7 40.1#
 84 149.2 70.4 105.6#





#33

1,2-Dichloroethane-d4

Concen: 55.020 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.02 min

Lab File: VY001919.D

Acq: 10 Mar 2020 13:08

Instrument :

MSVOA_Y

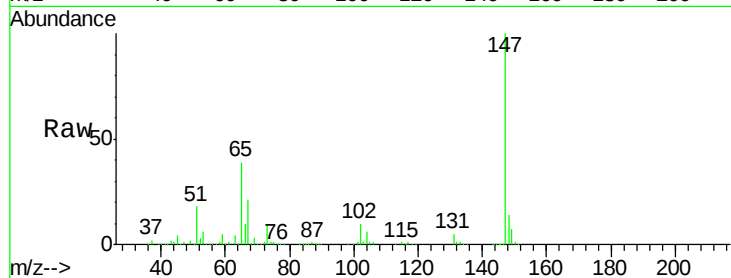
ClientSampleId :

Tot Ion: 65 Resp: 89829

Ion Ratio Lower Upper

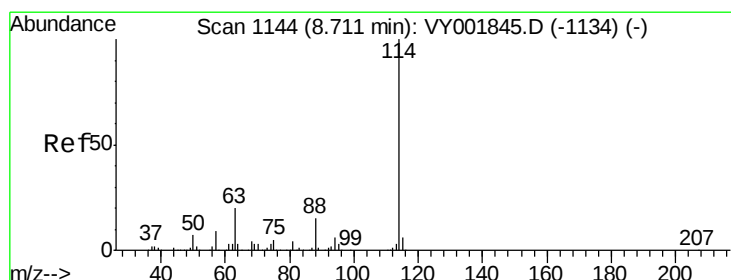
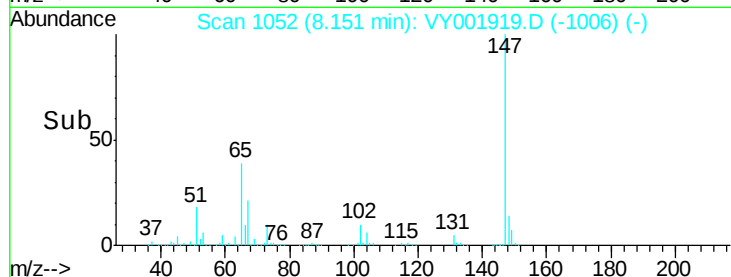
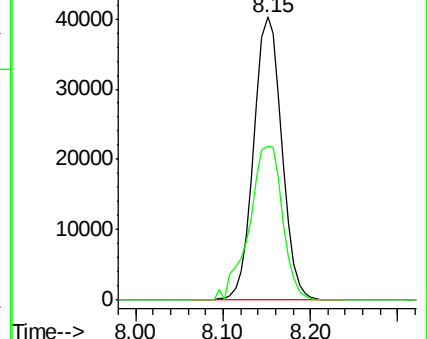
65 100

67 64.3 0.0 110.8



Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.70 min Scan# 1142

Delta R.T. -0.01 min

Lab File: VY001919.D

Acq: 10 Mar 2020 13:08

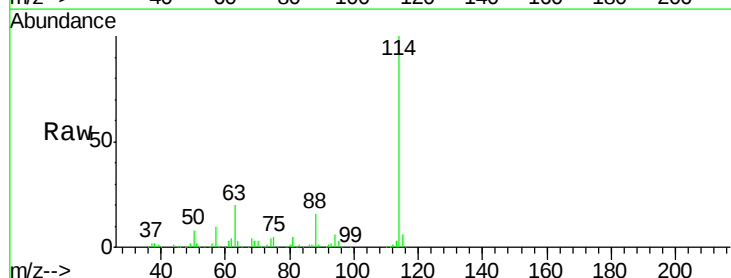
Tgt Ion: 114 Resp: 295046

Ion Ratio Lower Upper

114 100

63 20.5 0.0 39.4

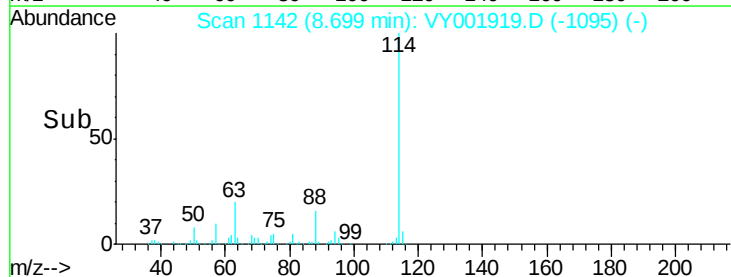
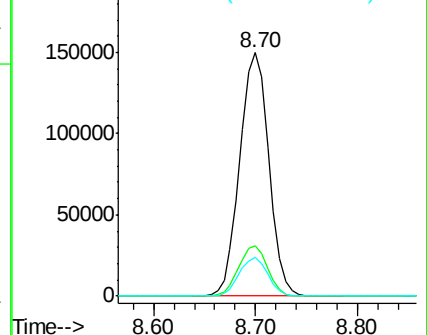
88 15.9 0.0 30.4

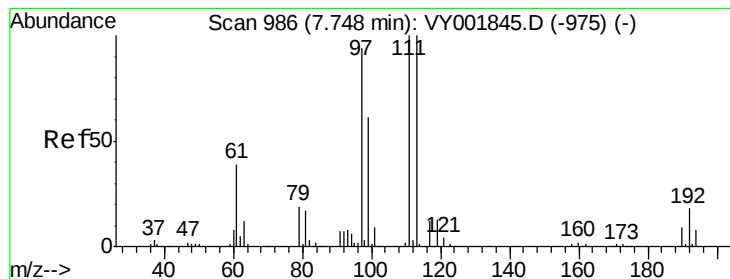


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0





#35

Dibromofluoromethane

Concen: 53.517 ug/l

RT: 7.73 min Scan# 983

Delta R.T. -0.02 min

Lab File: VY001919.D

Acq: 10 Mar 2020 13:08

Instrument :

MSVOA_Y

ClientSampleId :

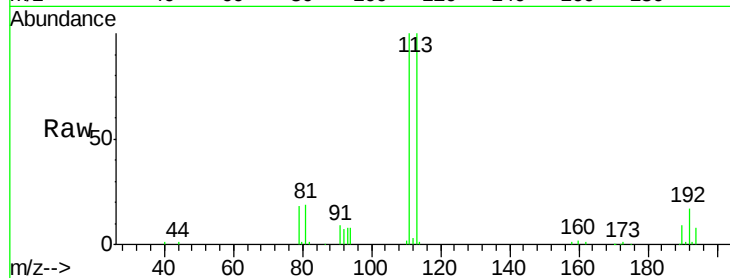
Tot Ion:113 Resp: 86220

Ion Ratio Lower Upper

113 100

111 102.1 81.8 122.8

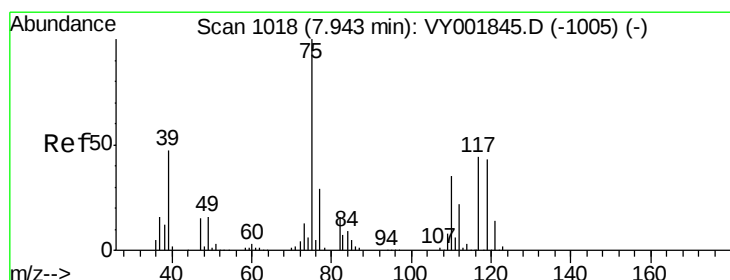
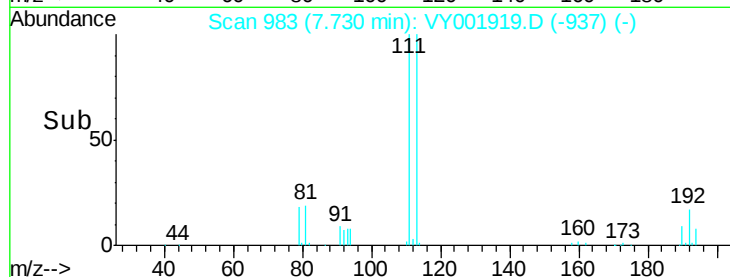
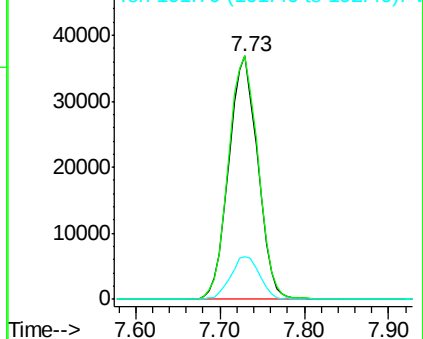
192 17.7 14.2 21.2



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: 4.536 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.15 min

Lab File: VY001919.D

Acq: 10 Mar 2020 13:08

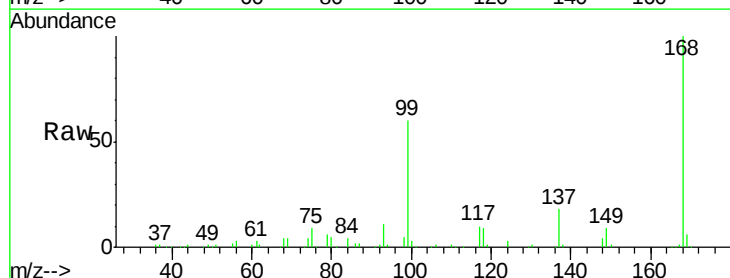
Tgt Ion: 75 Resp: 12879

Ion Ratio Lower Upper

75 100

110 8.9 17.4 52.2#

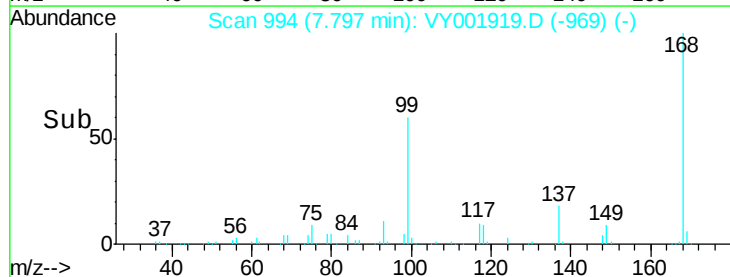
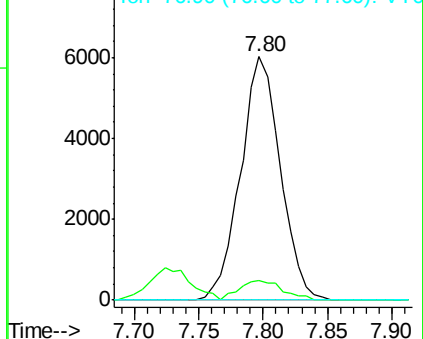
77 0.0 24.2 36.2#

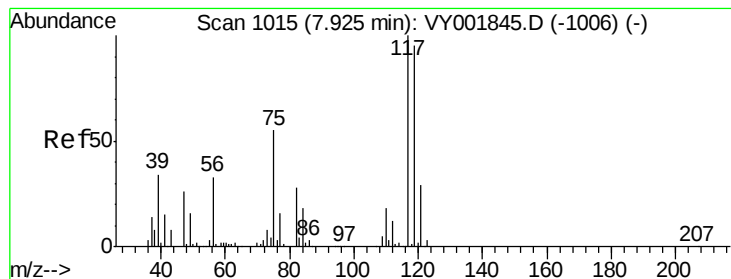


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0





#38

Carbon Tetrachloride

Concen: 6.488 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.12 min

Lab File: VY001919.D

Acq: 10 Mar 2020 13:08

Instrument :

MSVOA_Y

ClientSampleId :

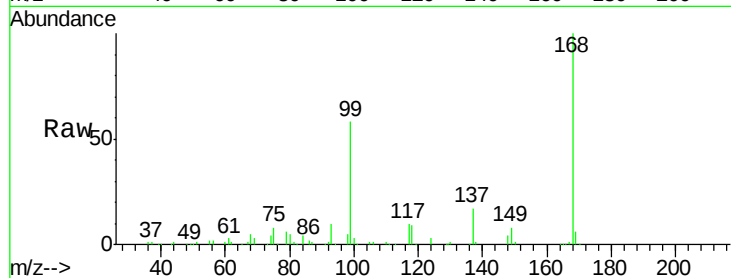
Tot Ion:117 Resp: 15736

Ion Ratio Lower Upper

117 100

119 4.4 76.3 114.5#

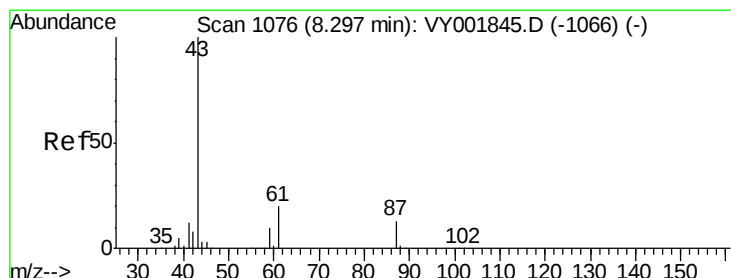
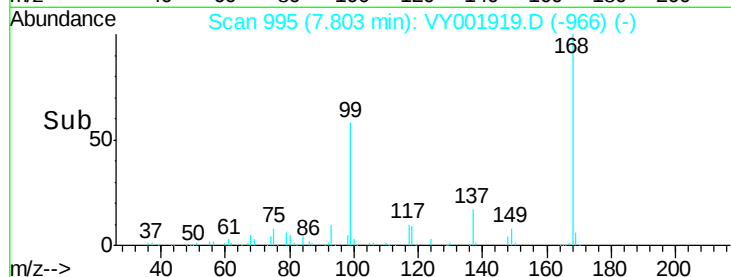
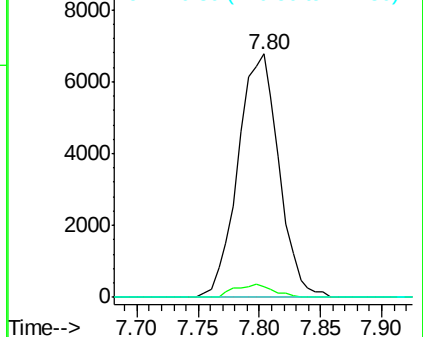
121 0.0 23.5 35.3#



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



#43

Isopropyl Acetate

Concen: 5.000 ug/l

RT: 8.12 min Scan# 1047

Delta R.T. -0.18 min

Lab File: VY001919.D

Acq: 10 Mar 2020 13:08

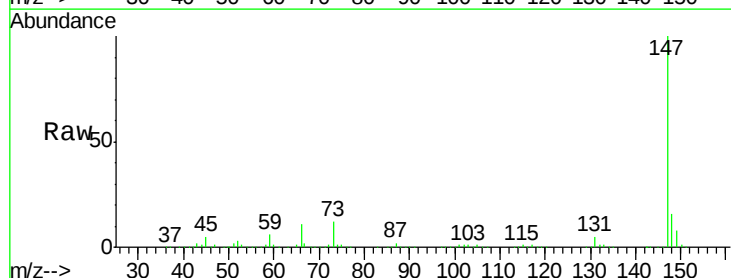
Tgt Ion: 43 Resp: 15621

Ion Ratio Lower Upper

43 100

61 31.9 23.8 35.6

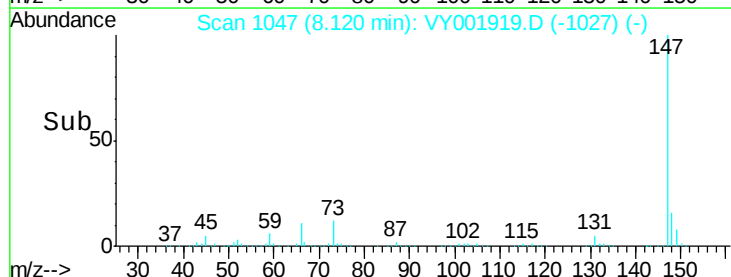
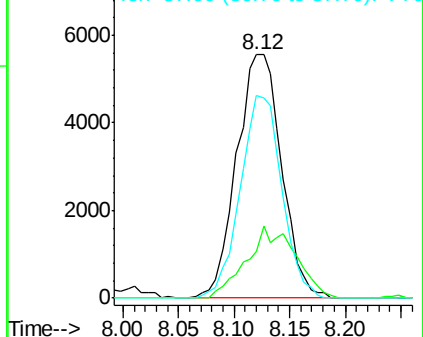
87 76.8 10.9 16.3#

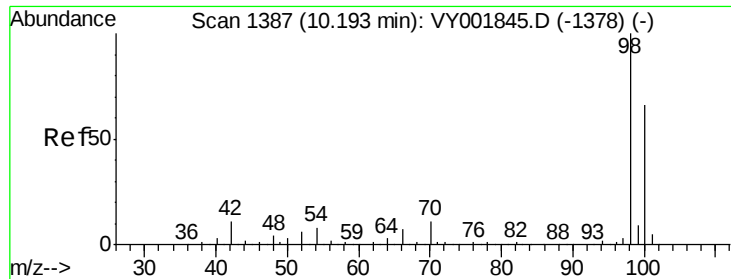


Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 61.00 (60.70 to 61.70): VY0

Ion 87.00 (86.70 to 87.70): VY0





#50

Toluene-d8

Concen: 52.864 ug/l

RT: 10.19 min Scan# 1386

Delta R.T. -0.01 min

Lab File: VY001919.D

Acq: 10 Mar 2020 13:08

Instrument :

MSVOA_Y

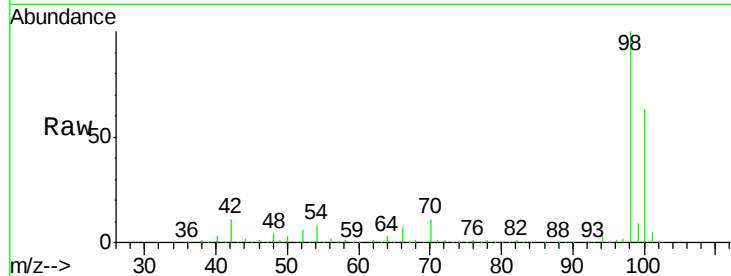
ClientSampleId :

Tot Ion: 98 Resp: 359143

Ion Ratio Lower Upper

98 100

100 64.8 53.0 79.4



Abundance Ion 98.00 (97.70 to 98.70): VY001845.D (-1378) (-)

Ion 100.00 (99.70 to 100.70): VY001845.D (-1378) (-)

10.19

250000

200000

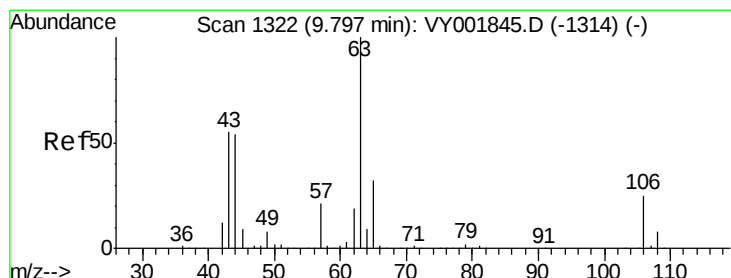
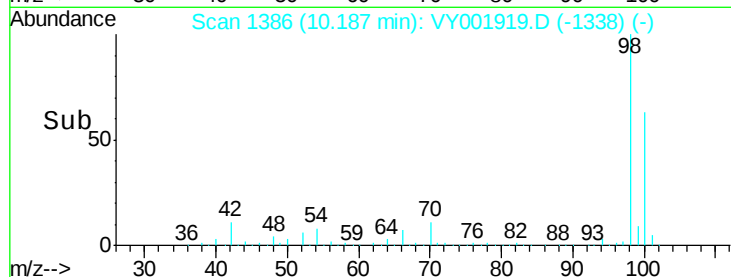
150000

100000

50000

0

Time--> 10.10 10.20 10.30



#58

2-Chloroethyl Vinyl ether

Concen: Below Cal

RT: 9.80 min Scan# 1323

Delta R.T. 0.01 min

Lab File: VY001919.D

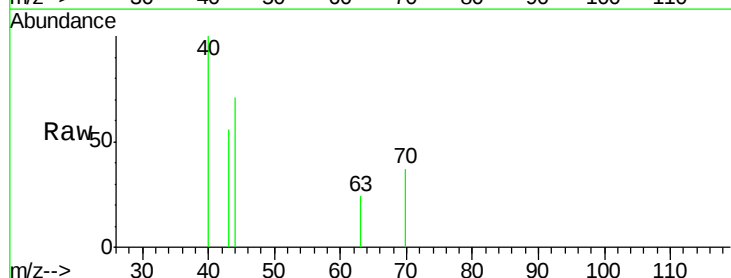
Acq: 10 Mar 2020 13:08

Tgt Ion: 63 Resp: 22

Ion Ratio Lower Upper

63 100

106 0.0 21.3 31.9#



Abundance Ion 62.90 (62.60 to 63.60): VY001845.D (-1314) (-)

Ion 105.90 (105.60 to 106.60): VY001845.D (-1314) (-)

9.80

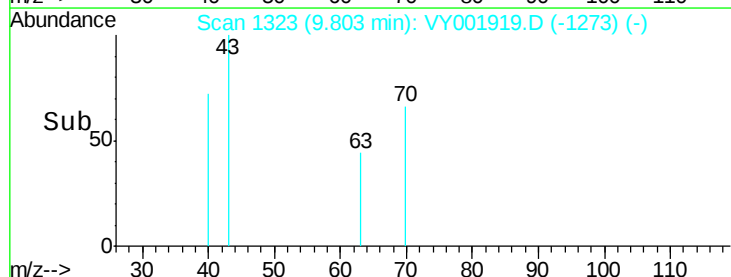
60

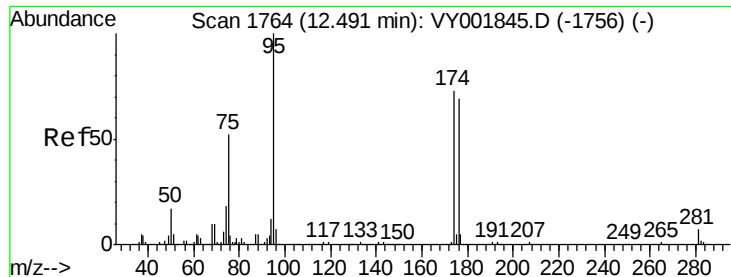
40

20

0

Time--> 9.78 9.79 9.80 9.81 9.82





#62

4-Bromofluorobenzene

Concen: 50.616 ug/l

RT: 12.50 min Scan# 1766

Delta R.T. 0.01 min

Lab File: VY001919.D

Acq: 10 Mar 2020 13:08

Instrument :

MSVOA_Y

ClientSampleId :

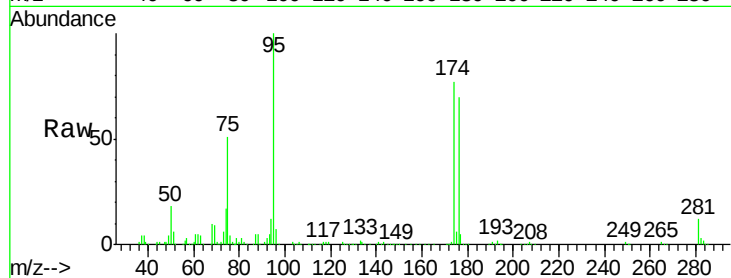
Tot Ion: 95 Resp: 119567

Ion Ratio Lower Upper

95 100

174 73.3 0.0 145.0

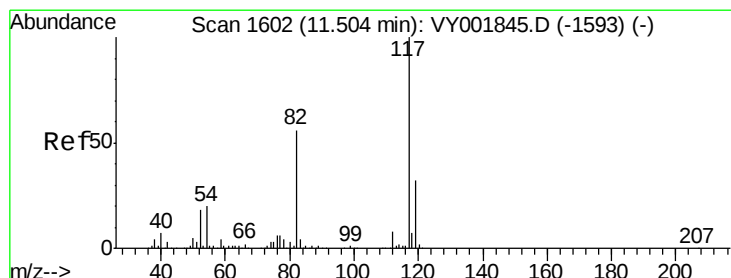
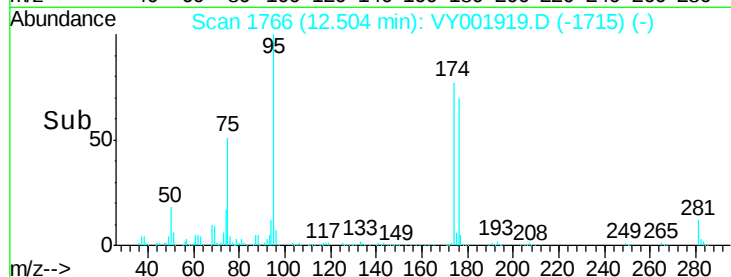
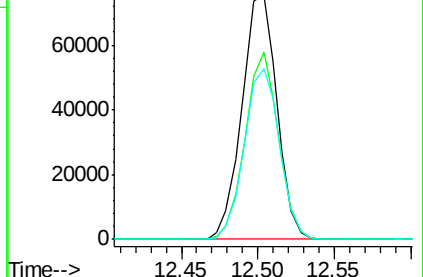
176 70.4 0.0 137.4



Abundance Ion 94.90 (94.60 to 95.60): VY001845.D (-1756) (-)

Ion 173.80 (173.50 to 174.50): VY001845.D (-1756) (-)

Ion 175.80 (175.50 to 176.50): VY001845.D (-1756) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.50 min Scan# 1602

Delta R.T. 0.00 min

Lab File: VY001919.D

Acq: 10 Mar 2020 13:08

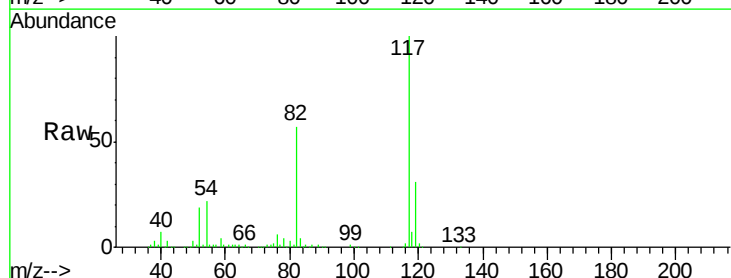
Tgt Ion: 117 Resp: 268204

Ion Ratio Lower Upper

117 100

82 57.2 44.5 66.7

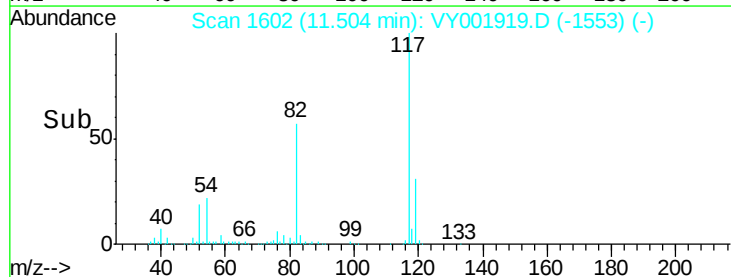
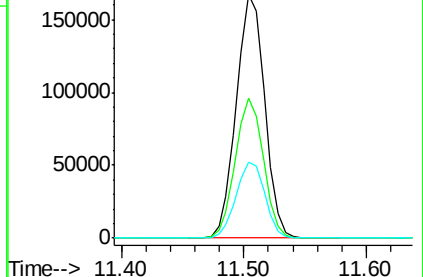
119 31.4 25.7 38.5

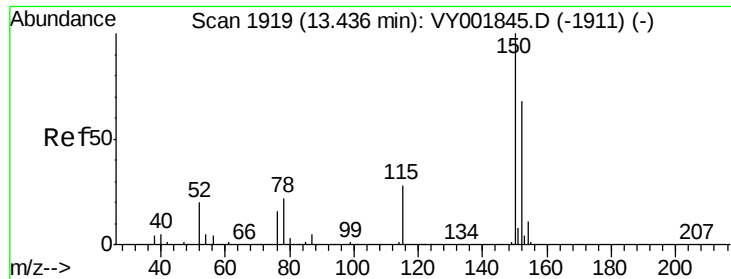


Abundance Ion 116.90 (116.60 to 117.60): VY001845.D (-1593) (-)

Ion 82.00 (81.70 to 82.70): VY001845.D (-1593) (-)

Ion 118.90 (118.60 to 119.60): VY001845.D (-1593) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.45 min Scan# 1922

Delta R.T. 0.02 min

Lab File: VY001919.D

Acq: 10 Mar 2020 13:08

Instrument :

MSVOA_Y

ClientSampleId :

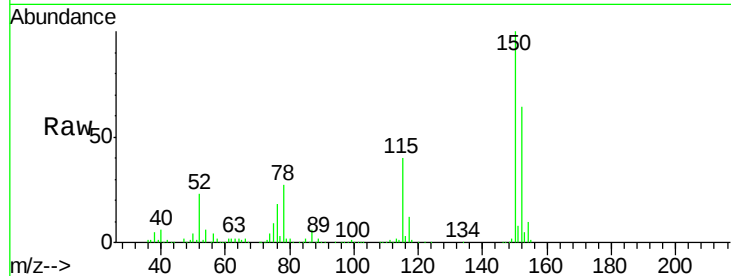
Tot Ion:152 Resp: 112406

Ion Ratio Lower Upper

152 100

115 62.3 29.9 89.7

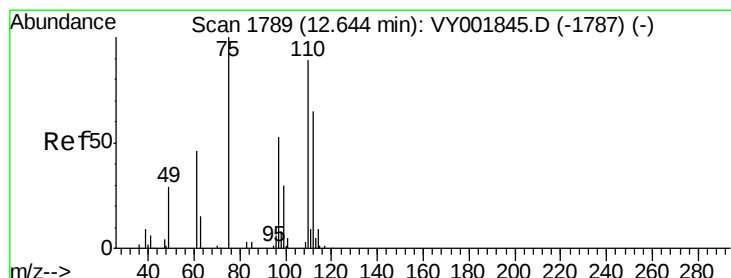
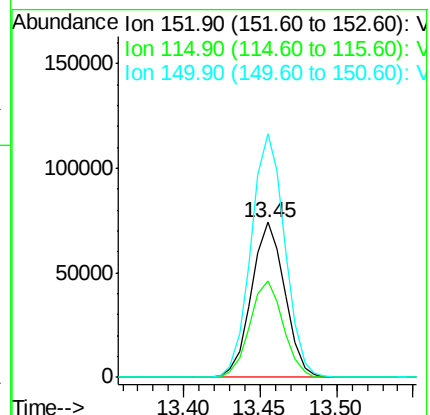
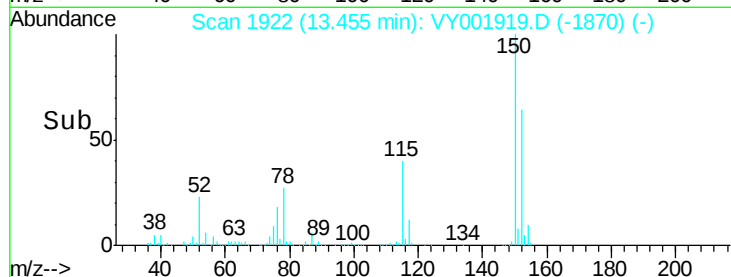
150 158.7 0.0 340.6



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 45.988 ug/l

RT: 12.50 min Scan# 1765

Delta R.T. -0.15 min

Lab File: VY001919.D

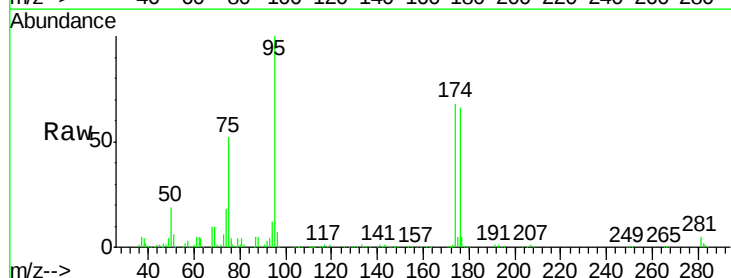
Acq: 10 Mar 2020 13:08

Tgt Ion: 75 Resp: 61337

Ion Ratio Lower Upper

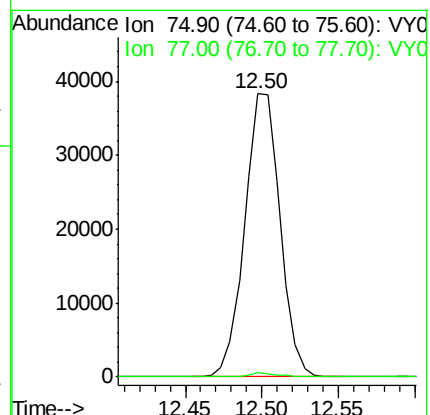
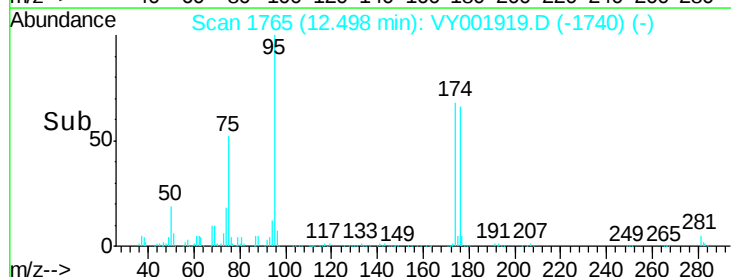
75 100

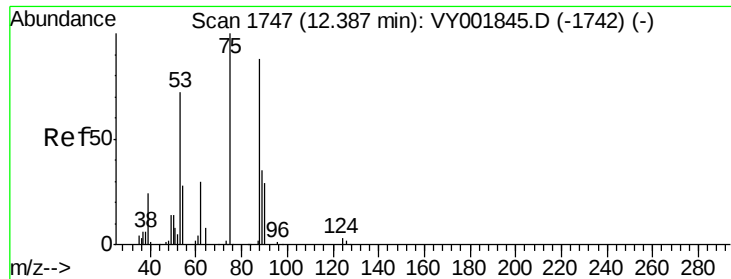
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0





#81

trans-1,4-Dichloro-2-butene

Concen: 92.893 ug/l

RT: 12.50 min Scan# 1765

Delta R.T. 0.11 min

Lab File: VY001919.D

Acq: 10 Mar 2020 13:08

Instrument :

MSVOA_Y

ClientSampleId :

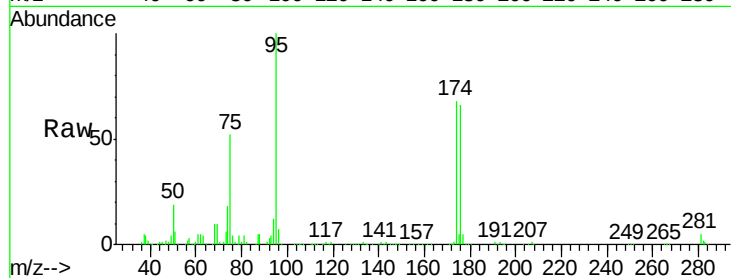
Tot Ion: 75 Resp: 61337

Ion Ratio Lower Upper

75 100

53 0.0 65.4 98.0#

89 0.4 36.0 54.0#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0

