

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY032520\
 Data File : VY002080.D
 Acq On : 25 Mar 2020 20:13
 Operator : SY/MD
 Sample : L2042-04
 Misc : 5.01G/5ML/MSVOA Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Mar 26 06:38:05 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	7.82	168	124308	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.72	114	247362	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	230602	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	101209	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	82836	62.42	ug/l	0.00
Spiked Amount			Recovery	=	124.84%	
35) Dibromofluoromethane	7.75	113	73320	54.28	ug/l	0.00
Spiked Amount			Recovery	=	108.56%	
50) Toluene-d8	10.20	98	304105	53.39	ug/l	0.00
Spiked Amount			Recovery	=	106.78%	
62) 4-Bromofluorobenzene	12.50	95	106056	53.55	ug/l	0.00
Spiked Amount			Recovery	=	107.10%	

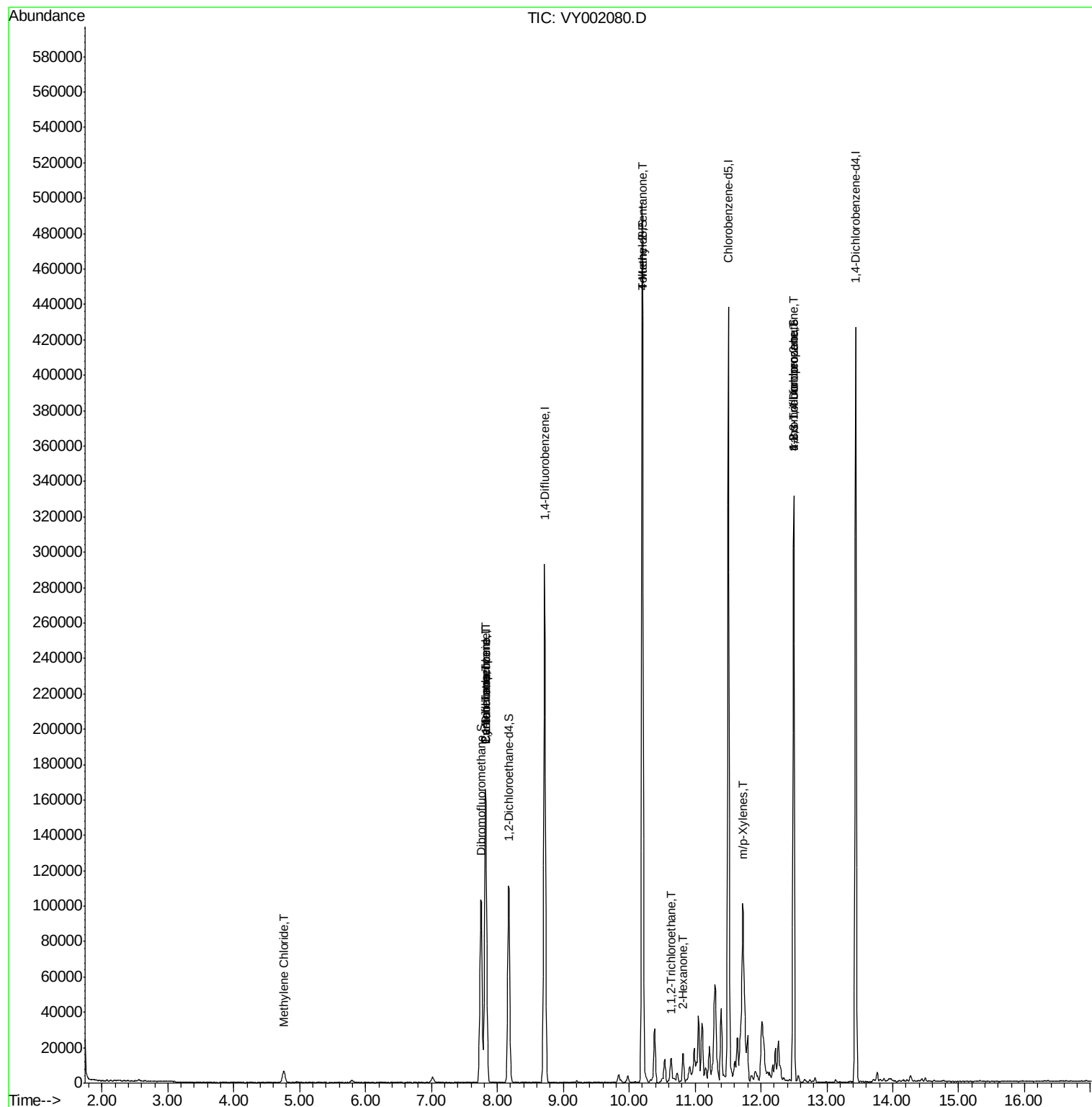
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.68	94	21	Below Cal	#	4
11) Tert butyl alcohol	5.00	59	291	Below Cal	#	74
20) Methylene Chloride	4.76	84	5087	3.071	ug/l	98
31) Cyclohexane	7.82	56	3122	1.071	ug/l #	1
36) 1,1-Dichloropropene	7.82	75	10968	4.608	ug/l #	49
38) Carbon Tetrachloride	7.82	117	12964	6.375	ug/l #	18
51) 4-Methyl-2-Pentanone	10.19	43	2289	1.697	ug/l #	1
55) 1,1,2-Trichloroethane	10.64	97	5476	4.094	ug/l #	17
59) 2-Hexanone	10.82	43	6760	7.020	ug/l #	27
68) m/p-Xylenes	11.72	106	7286	2.300	ug/l	97
76) 1,2,3-Trichloropropane	12.50	75	54389	45.290	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.50	75	54389	91.483	ug/l #	17

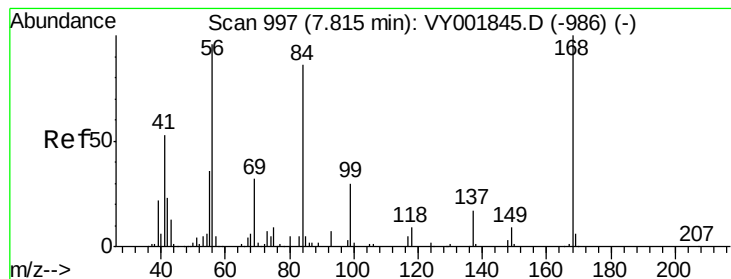
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY032520\
Data File : VY002080.D
Acq On : 25 Mar 2020 20:13
Operator : SY/MD
Sample : L2042-04
Misc : 5.01G/5ML/MSVOA Y/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :

Quant Time: Mar 26 06:38:05 2020
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: 7.82 min Scan# 998

Delta R.T. 0.01 min

Lab File: VY002080.D

Acq: 25 Mar 2020 20:13

Instrument :

MSVOA_Y

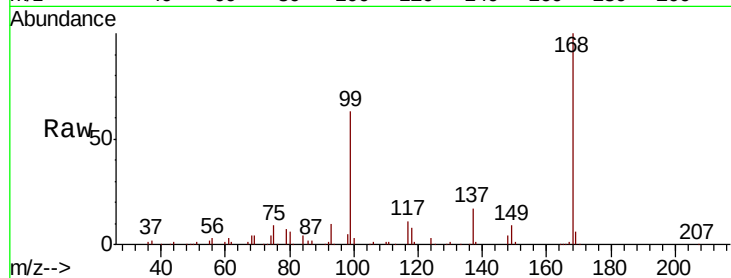
ClientSampled :

Tot Ion:168 Resp: 124308

Ion Ratio Lower Upper

168 100

99 62.8 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) (-)

7.82

60000

50000

40000

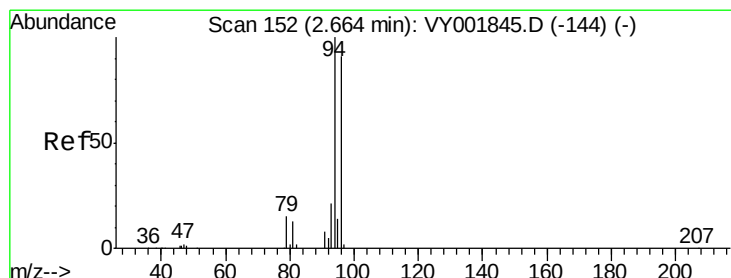
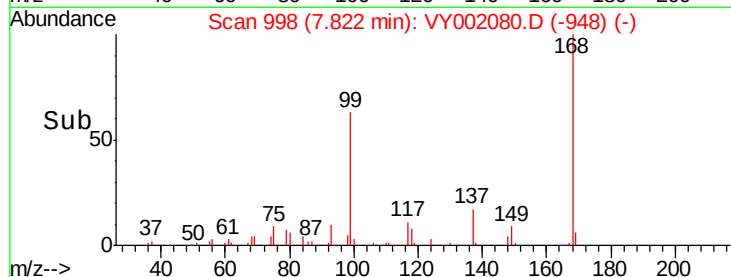
30000

20000

10000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.68 min Scan# 155

Delta R.T. 0.02 min

Lab File: VY002080.D

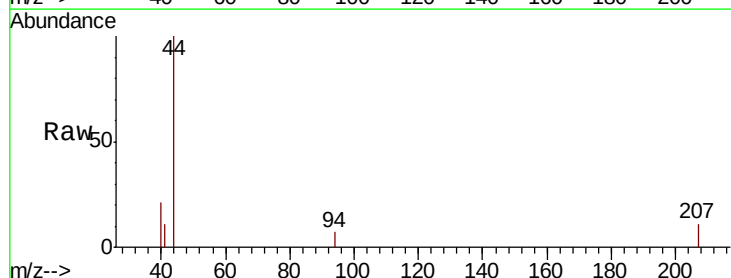
Acq: 25 Mar 2020 20:13

Tgt Ion: 94 Resp: 21

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) (-)

2.68

100

80

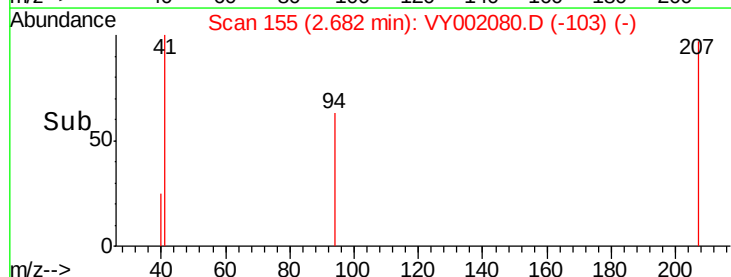
60

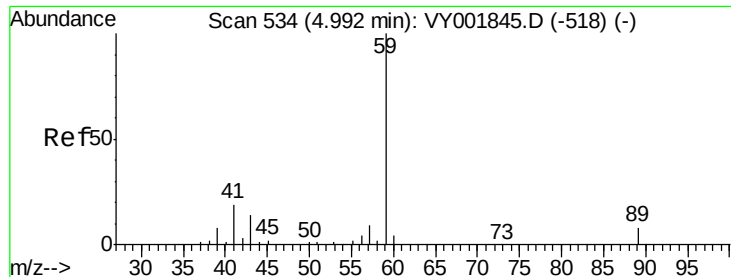
40

20

0

Time-->

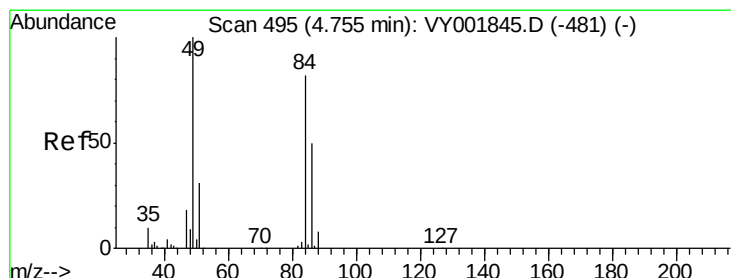
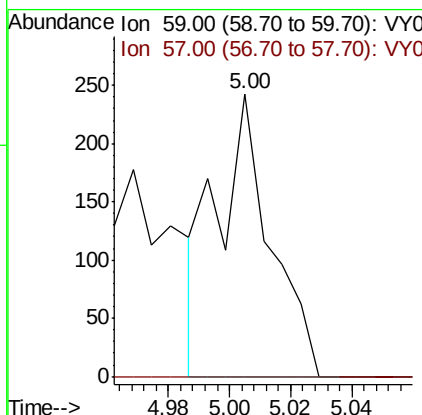
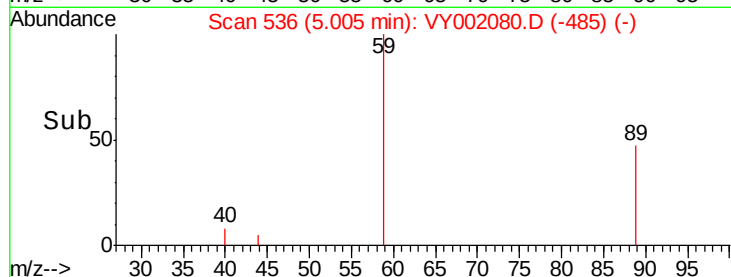
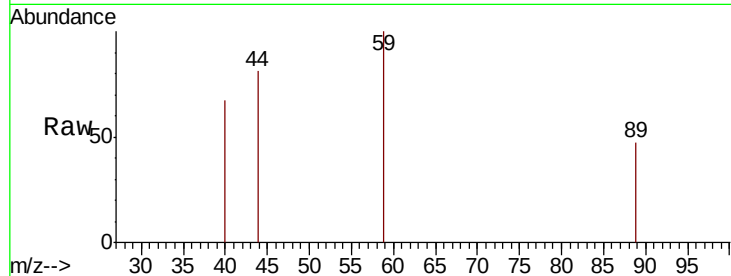




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.00 min Scan# 536
Delta R.T. 0.01 min
Lab File: VY002080.D
Acq: 25 Mar 2020 20:13

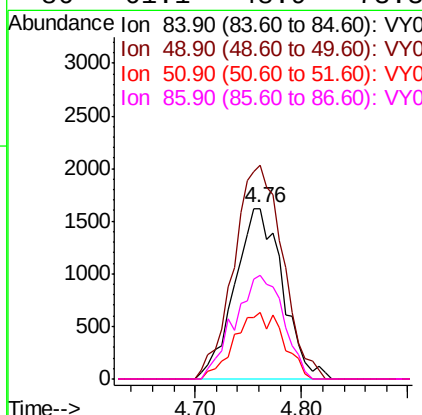
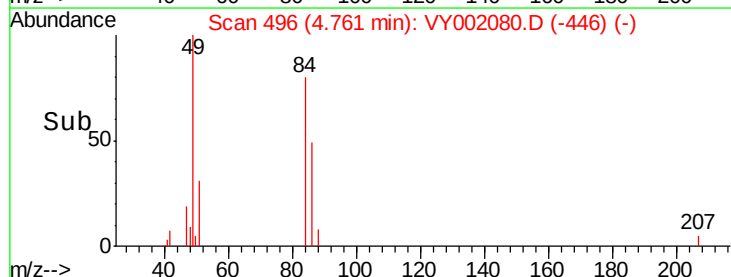
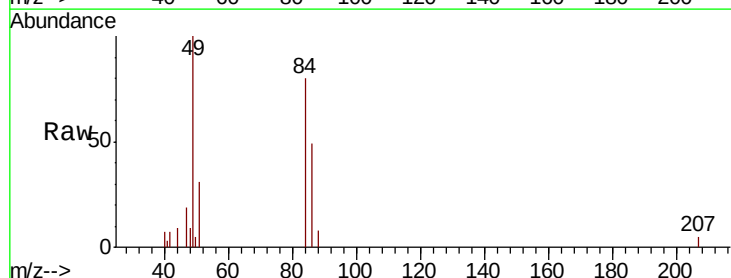
Instrument :
MSVOA_Y
ClientSampled :

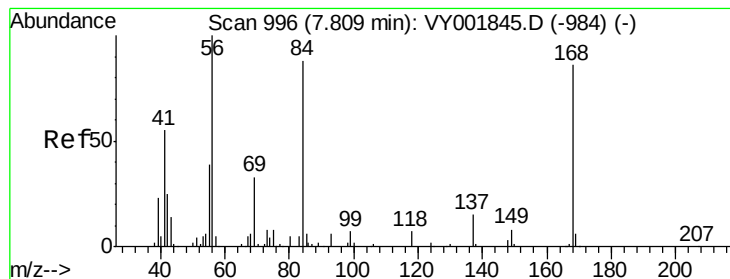
Tot Ion: 59 Resp: 291
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#



#20
Methylene Chloride
Concen: 3.071 ug/l
RT: 4.76 min Scan# 496
Delta R.T. 0.01 min
Lab File: VY002080.D
Acq: 25 Mar 2020 20:13

Tgt Ion: 84 Resp: 5087
Ion Ratio Lower Upper
84 100
49 125.5 98.2 147.2
51 38.9 30.2 45.2
86 61.1 48.9 73.3





#31

Cyclohexane

Concen: 1.071 ug/l

RT: 7.82 min Scan# 998

Delta R.T. 0.01 min

Lab File: VY002080.D

Acq: 25 Mar 2020 20:13

Instrument :
MSVOA_Y
ClientSampled :

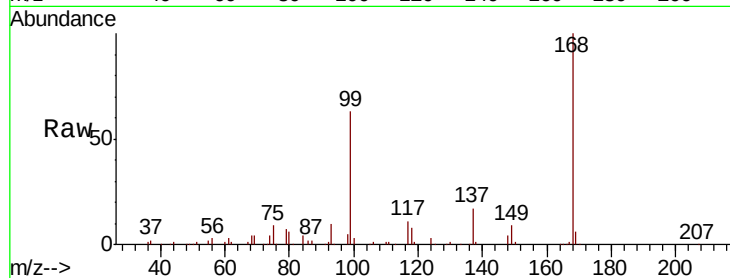
Tot Ion: 56 Resp: 3122

Ion Ratio Lower Upper

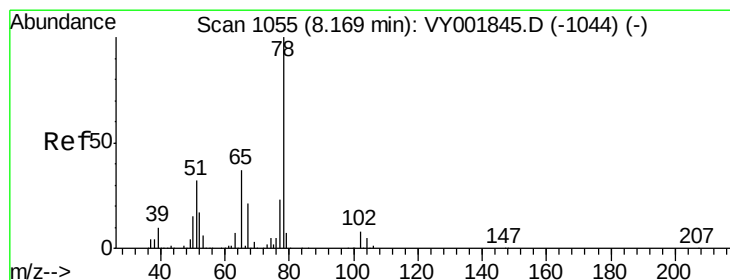
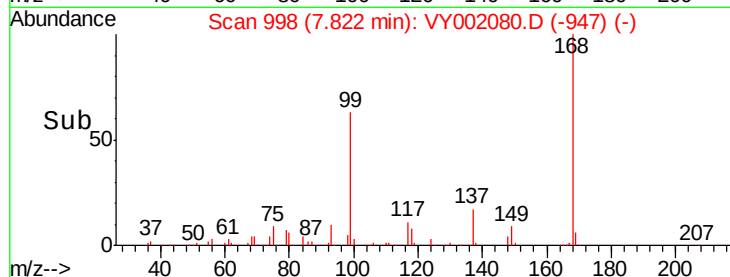
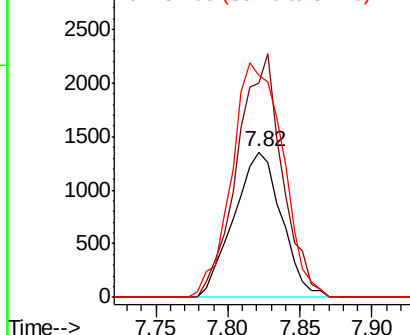
56 100

69 147.0 26.7 40.1#

84 152.1 70.4 105.6#



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



#33

1,2-Dichloroethane-d4

Concen: 62.420 ug/l

RT: 8.17 min Scan# 1055

Delta R.T. 0.00 min

Lab File: VY002080.D

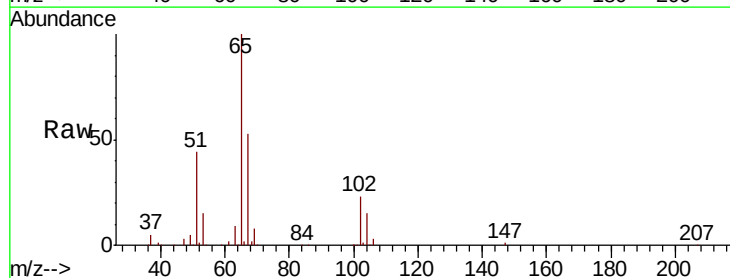
Acq: 25 Mar 2020 20:13

Tgt Ion: 65 Resp: 82836

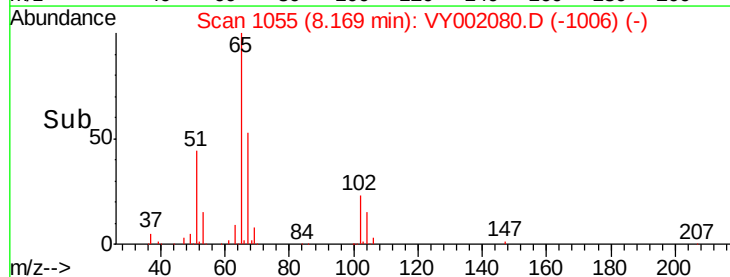
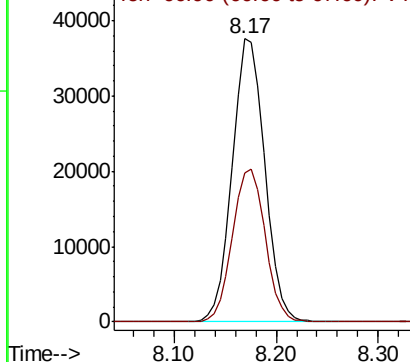
Ion Ratio Lower Upper

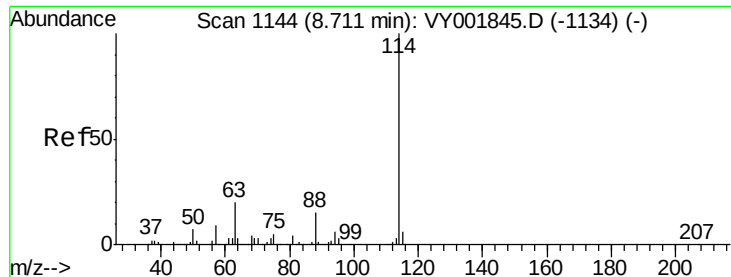
65 100

67 54.6 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: 8.72 min Scan# 1145

Delta R.T. 0.01 min

Lab File: VY002080.D

Acq: 25 Mar 2020 20:13

Instrument :
MSVOA_Y
ClientSampleId :

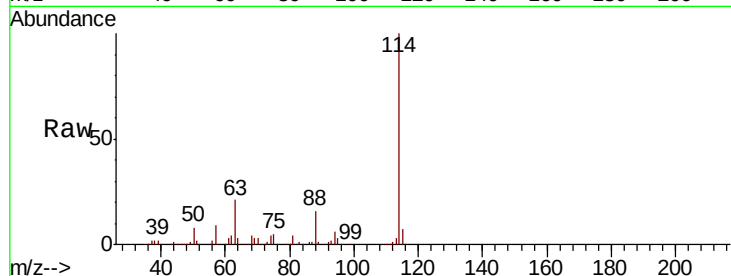
Tot Ion:114 Resp: 247362

Ion Ratio Lower Upper

114 100

63 21.0 0.0 39.4

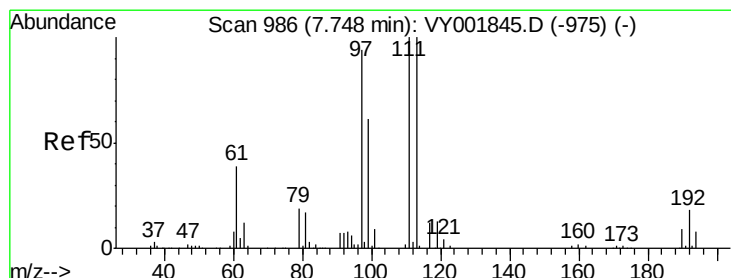
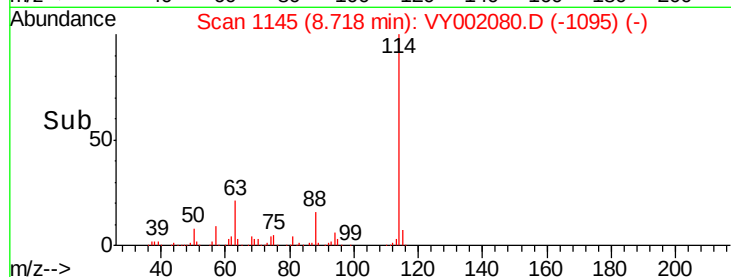
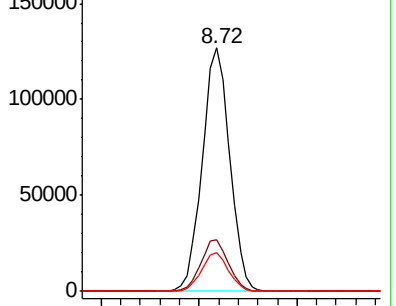
88 15.8 0.0 30.4



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: 54.283 ug/l

RT: 7.75 min Scan# 987

Delta R.T. 0.01 min

Lab File: VY002080.D

Acq: 25 Mar 2020 20:13

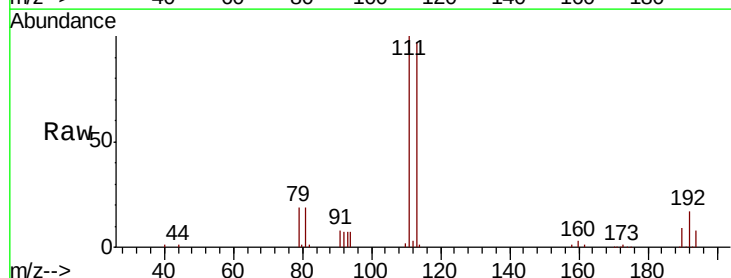
Tgt Ion:113 Resp: 73320

Ion Ratio Lower Upper

113 100

111 104.9 81.8 122.8

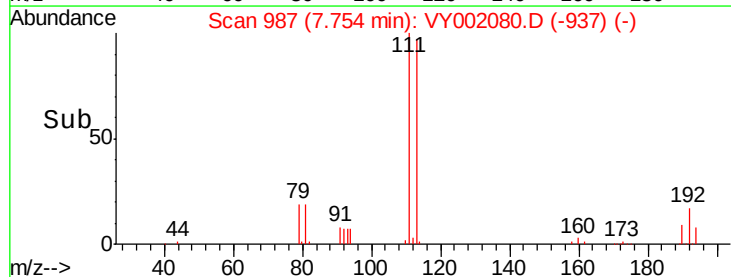
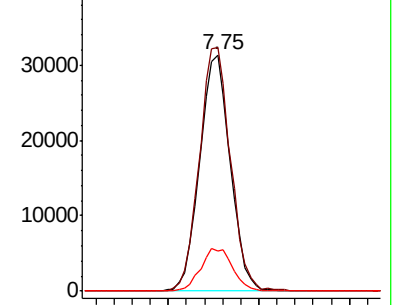
192 18.7 14.2 21.2

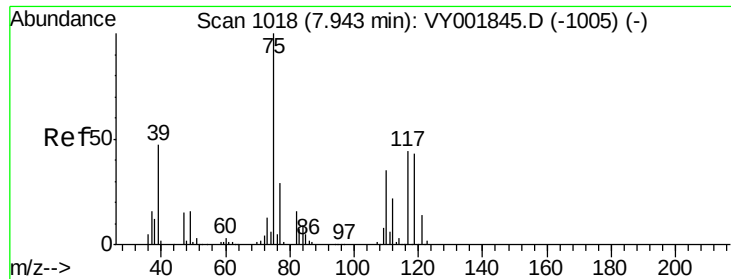


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

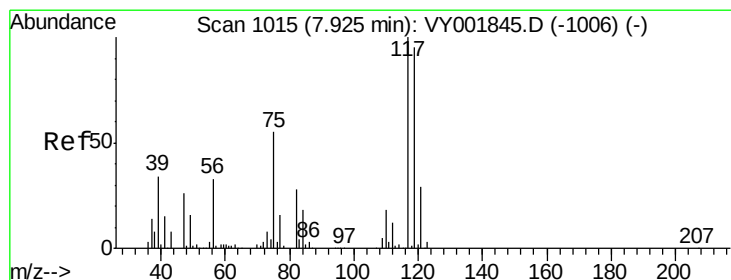
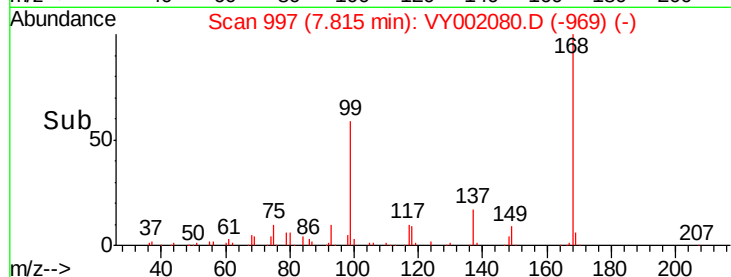
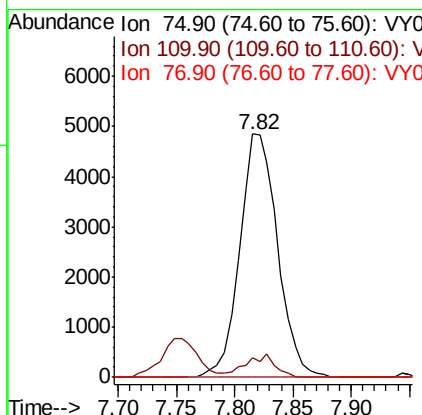
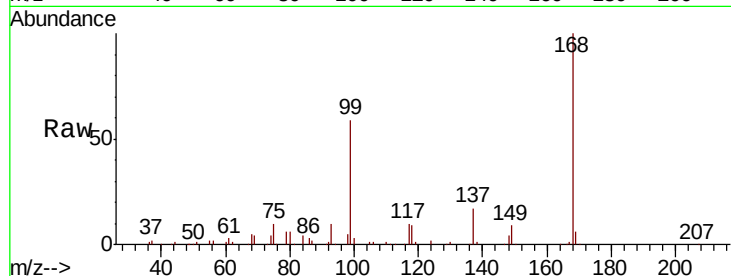




#36
 1,1-Dichloropropene
 Concen: 4.608 ug/l
 RT: 7.82 min Scan# 997
 Delta R.T. -0.13 min
 Lab File: VY002080.D
 Acq: 25 Mar 2020 20:13

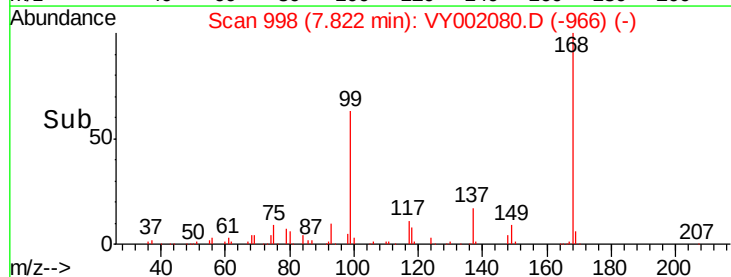
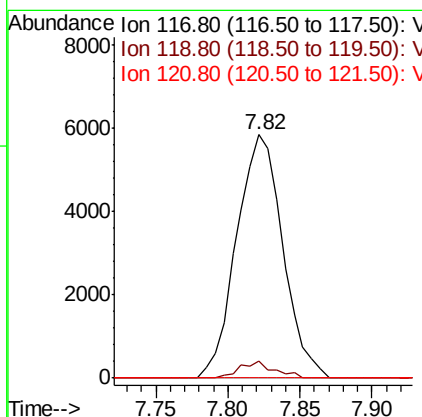
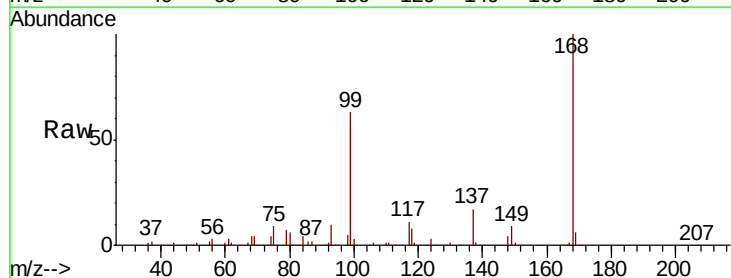
Instrument :
 MSVOA_Y
 ClientSampled :

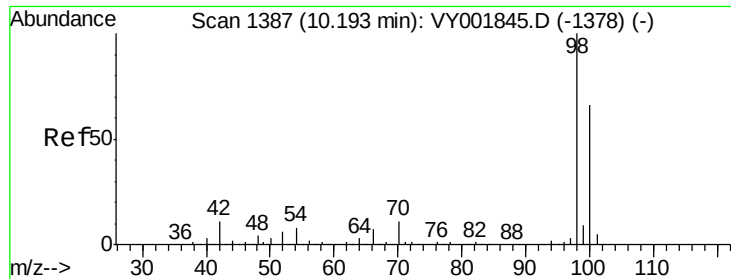
Tot Ion	Ratio	Lower	Upper
75	100		
110	7.6	17.4	52.2#
77	0.0	24.2	36.2#



#38
 Carbon Tetrachloride
 Concen: 6.375 ug/l
 RT: 7.82 min Scan# 998
 Delta R.T. -0.10 min
 Lab File: VY002080.D
 Acq: 25 Mar 2020 20:13

Tgt Ion	Ratio	Lower	Upper
117	100		
119	7.2	76.3	114.5#
121	0.0	23.5	35.3#

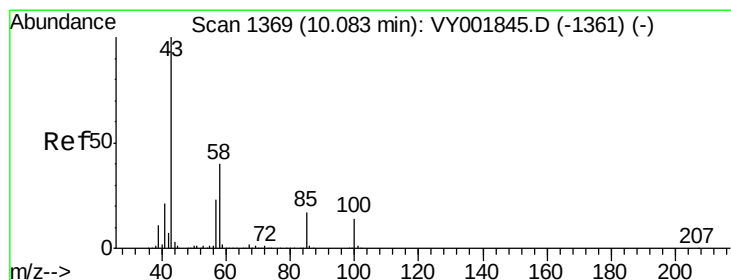
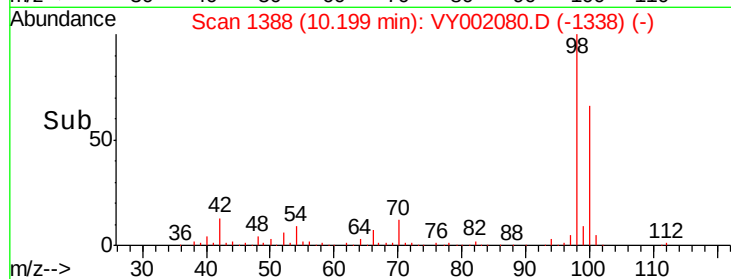
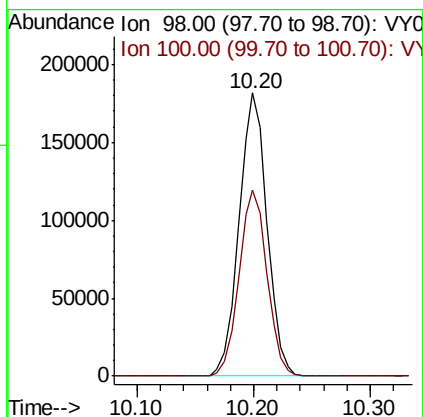
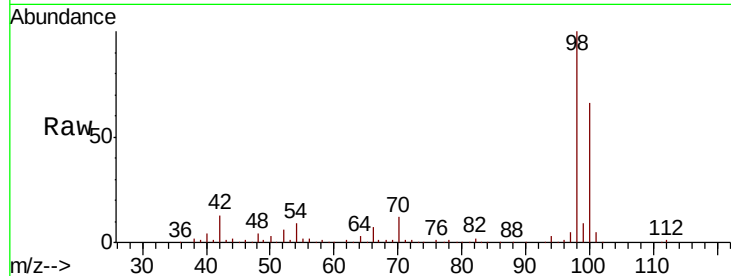




#50
Toluene-d8
Concen: 53.392 ug/l
RT: 10.20 min Scan# 1388
Delta R.T. 0.01 min
Lab File: VY002080.D
Acq: 25 Mar 2020 20:13

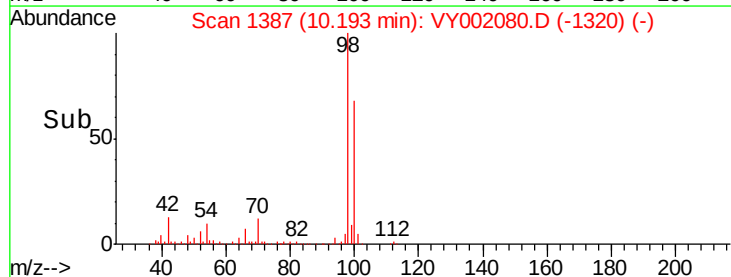
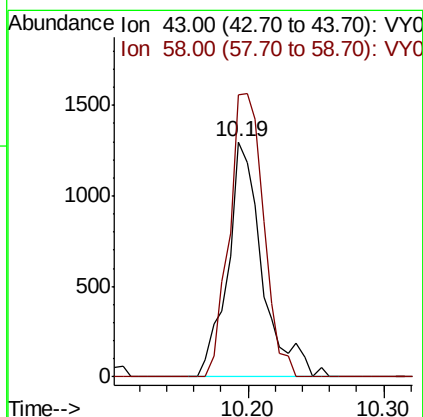
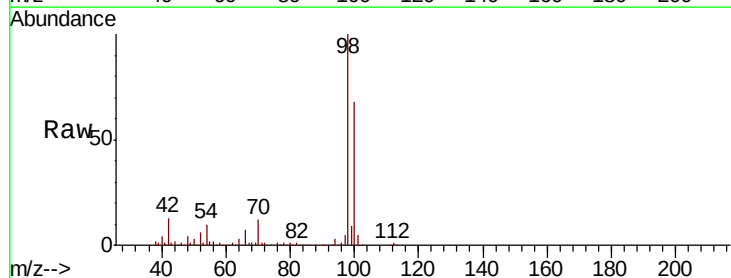
Instrument :
MSVOA_Y
ClientSampleId :

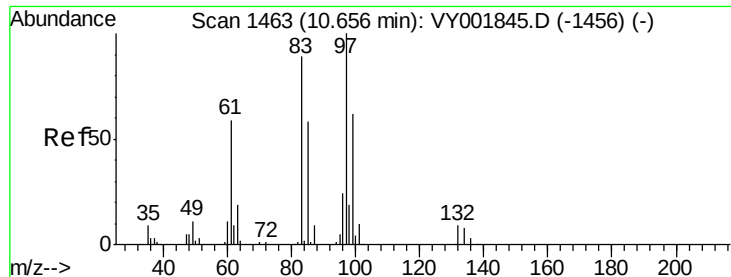
Tot Ion: 98 Resp: 304105
Ion Ratio Lower Upper
98 100
100 65.8 53.0 79.4



#51
4-Methyl-2-Pentanone
Concen: 1.697 ug/l
RT: 10.19 min Scan# 1387
Delta R.T. 0.11 min
Lab File: VY002080.D
Acq: 25 Mar 2020 20:13

Tgt Ion: 43 Resp: 2289
Ion Ratio Lower Upper
43 100
58 119.7 32.0 48.0#

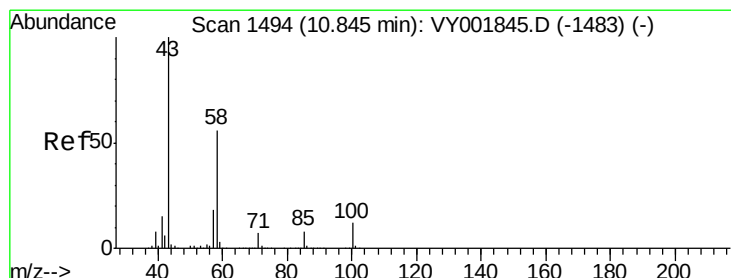
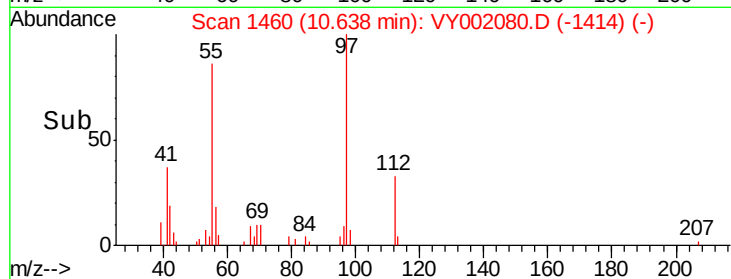
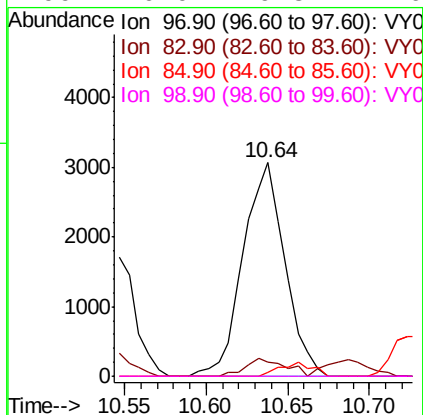
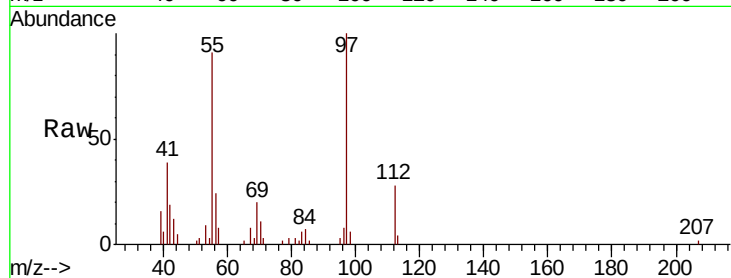




#55
 1,1,2-Trichloroethane
 Concen: 4.094 ug/l
 RT: 10.64 min Scan# 1460
 Delta R.T. -0.02 min
 Lab File: VY002080.D
 Acq: 25 Mar 2020 20:13

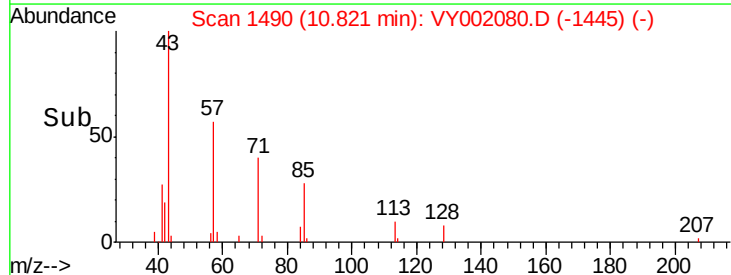
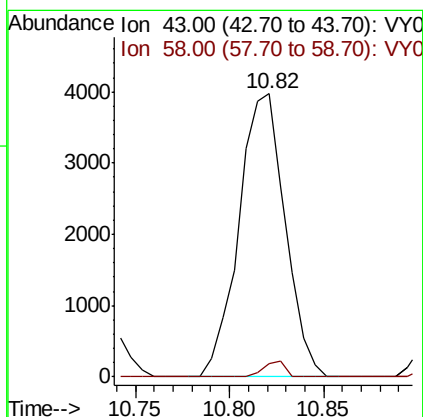
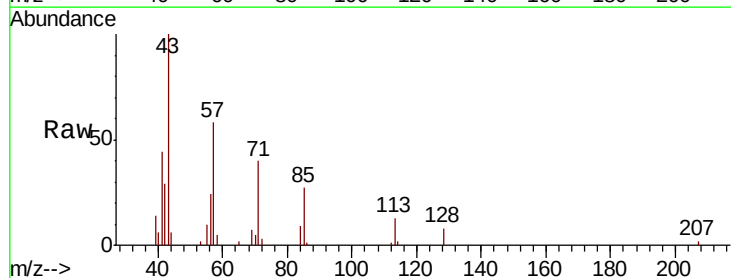
Instrument :
 MSVOA_Y
 ClientSampled :

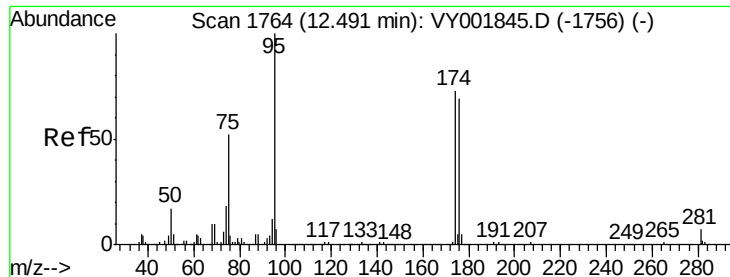
Tot Ion: 97 Resp: 5476
 Ion Ratio Lower Upper
 97 100
 83 6.4 71.6 107.4#
 85 1.8 46.6 69.8#
 99 0.0 49.8 74.6#



#59
 2-Hexanone
 Concen: 7.020 ug/l
 RT: 10.82 min Scan# 1490
 Delta R.T. -0.02 min
 Lab File: VY002080.D
 Acq: 25 Mar 2020 20:13

Tgt Ion: 43 Resp: 6760
 Ion Ratio Lower Upper
 43 100
 58 2.6 28.1 84.3#





#62

4-Bromofluorobenzene

Concen: 53.551 ug/l

RT: 12.50 min Scan# 1765

Delta R.T. 0.01 min

Lab File: VY002080.D

Acq: 25 Mar 2020 20:13

Instrument :

MSVOA_Y

ClientSampleId :

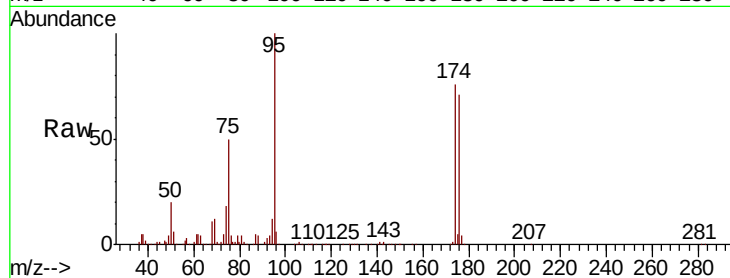
Tot Ion: 95 Resp: 106056

Ion Ratio Lower Upper

95 100

174 72.6 0.0 145.0

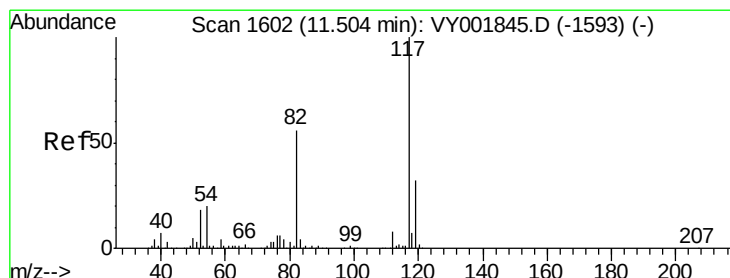
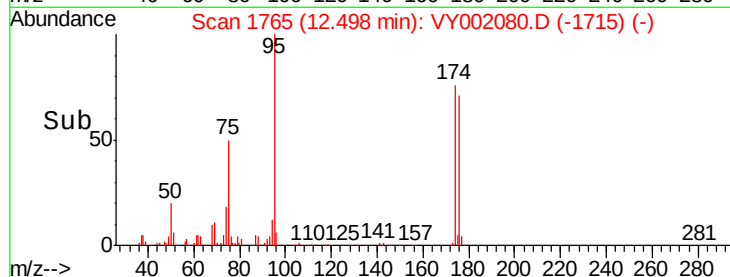
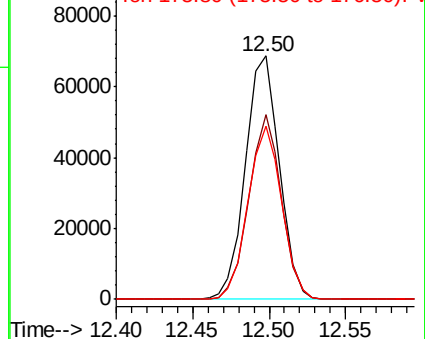
176 70.7 0.0 137.4



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: VY002080.D

Acq: 25 Mar 2020 20:13

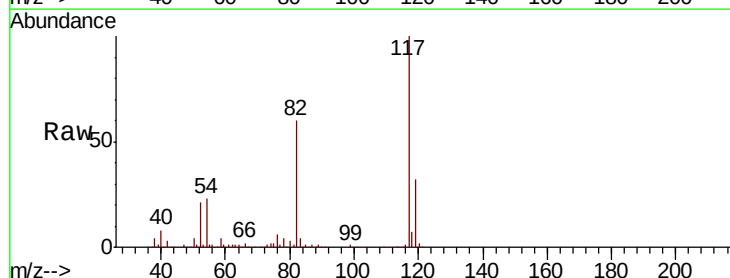
Tgt Ion: 117 Resp: 230602

Ion Ratio Lower Upper

117 100

82 59.2 44.5 66.7

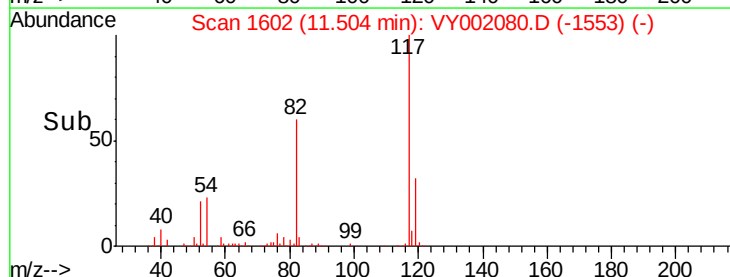
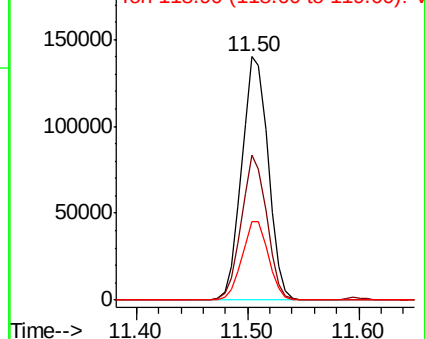
119 32.3 25.7 38.5

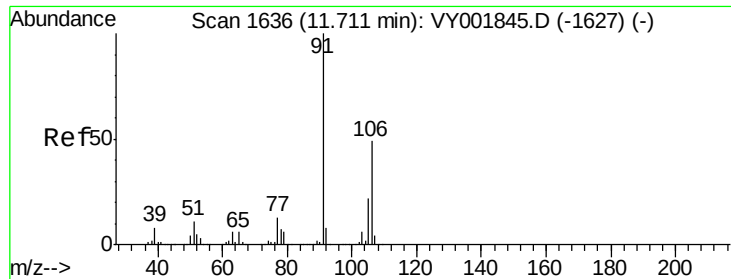


Abundance Ion 116.90 (116.60 to 117.60): VY001845.D (-1593) (-)

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

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

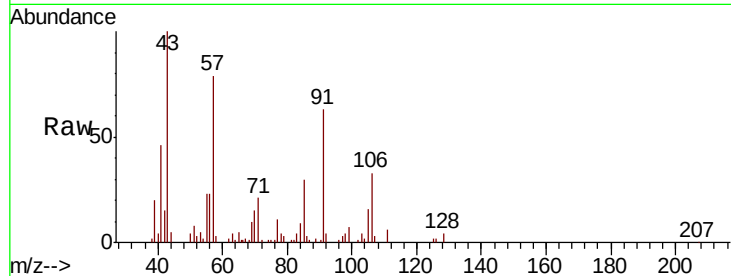




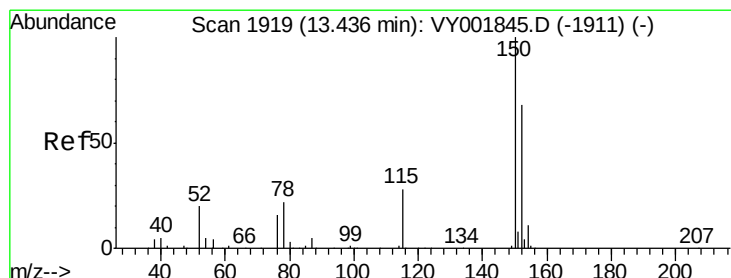
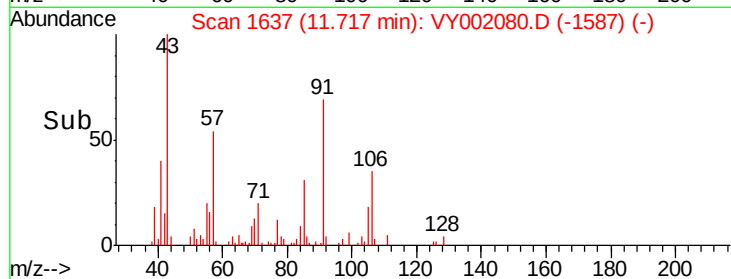
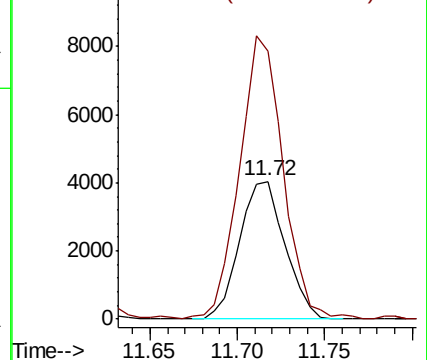
#68
m/p-Xvlenes
Concen: 2.300 ug/l
RT: 11.72 min Scan# 1637
Delta R.T. 0.01 min
Lab File: VY002080.D
Acq: 25 Mar 2020 20:13

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:106 Resp: 7286
Ion Ratio Lower Upper
106 100
91 197.2 161.3 241.9

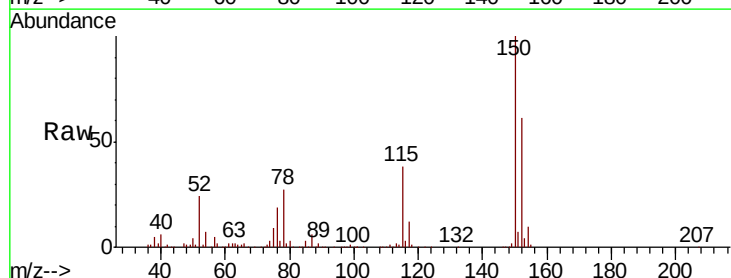


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VY0

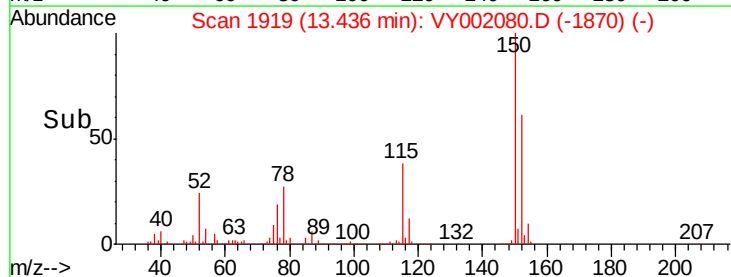
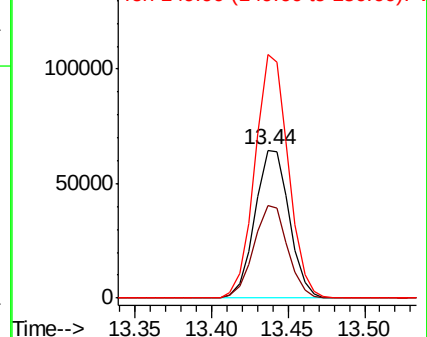


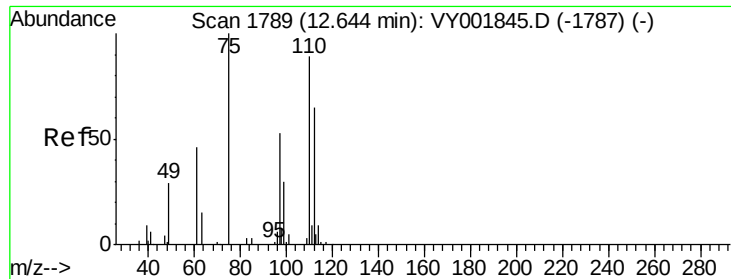
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.44 min Scan# 1919
Delta R.T. 0.00 min
Lab File: VY002080.D
Acq: 25 Mar 2020 20:13

Tgt Ion:152 Resp: 101209
Ion Ratio Lower Upper
152 100
115 61.4 29.9 89.7
150 159.9 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: 45.290 ug/l

RT: 12.50 min Scan# 1765

Delta R.T. -0.15 min

Lab File: VY002080.D

Acq: 25 Mar 2020 20:13

Instrument :

MSVOA_Y

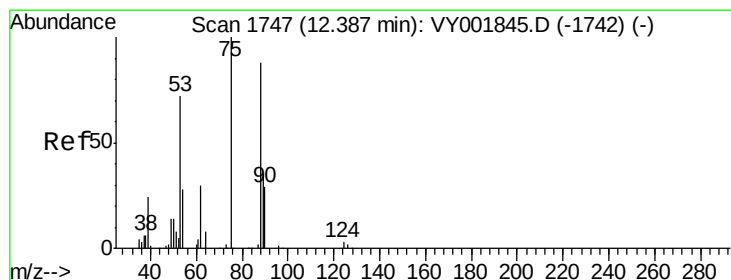
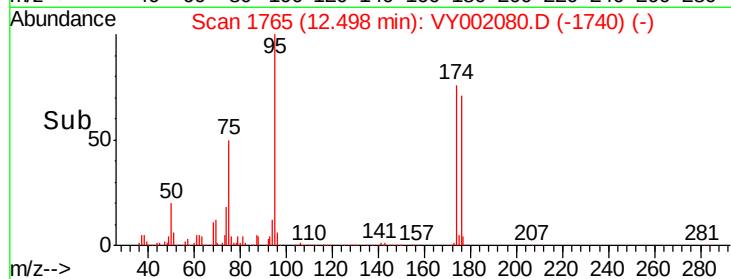
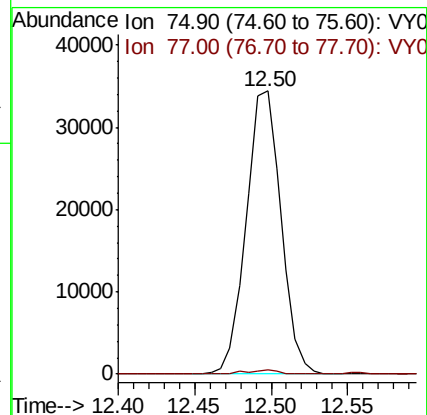
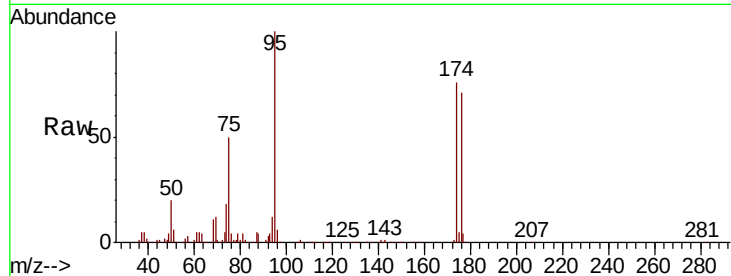
ClientSampleId :

Tot Ion: 75 Resp: 54389

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 91.483 ug/l

RT: 12.50 min Scan# 1765

Delta R.T. 0.11 min

Lab File: VY002080.D

Acq: 25 Mar 2020 20:13

Tgt Ion: 75 Resp: 54389

Ion Ratio Lower Upper

75 100

53 0.0 65.4 98.0#

89 0.1 36.0 54.0#

