

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY021720\
 Data File : VY001645.D
 Acq On : 17 Feb 2020 14:55
 Operator : SY/MD
 Sample : L1544-01
 Misc : 6.92G/5ML/MSVOA Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 17 15:26:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y021720S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 17 12:19:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	173240	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	314297	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	281687	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	125763	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.16	65	102738	55.13	ug/l	0.00
Spiked Amount			Recovery	=	110.26%	
35) Dibromofluoromethane	7.74	113	92313	51.28	ug/l	0.00
Spiked Amount			Recovery	=	102.56%	
50) Toluene-d8	10.19	98	377311	53.50	ug/l	0.00
Spiked Amount			Recovery	=	107.00%	
62) 4-Bromofluorobenzene	12.49	95	130415	47.60	ug/l	0.00
Spiked Amount			Recovery	=	95.20%	

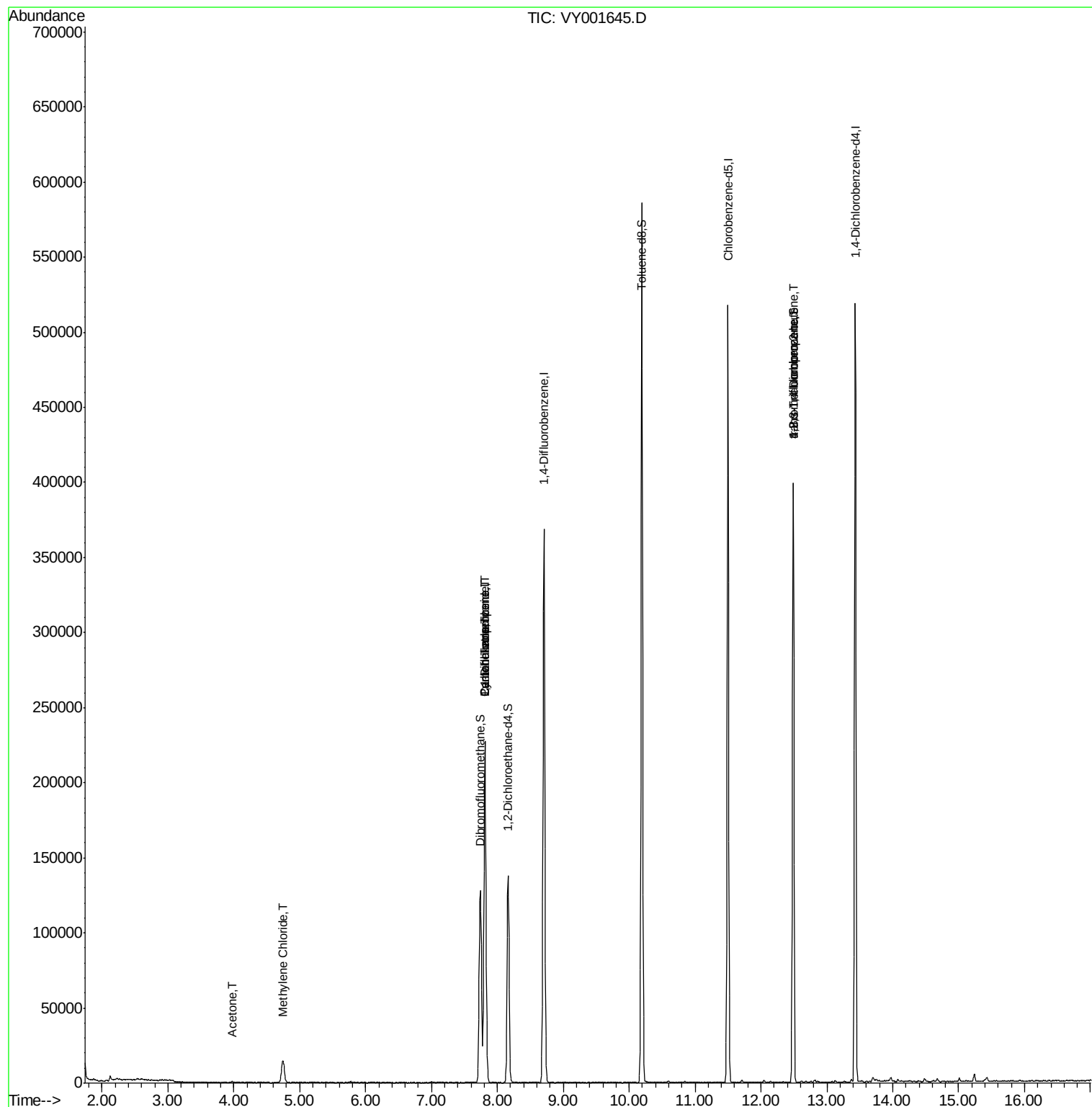
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.00	59	110	Below Cal	#	74
16) Acetone	3.98	43	1418	2.199	ug/l #	70
20) Methylene Chloride	4.74	84	10855	4.740	ug/l	92
31) Cyclohexane	7.81	56	3936	1.005	ug/l #	1
36) 1,1-Dichloropropene	7.81	75	14070	4.687	ug/l #	48
38) Carbon Tetrachloride	7.81	117	17370	6.587	ug/l #	16
76) 1,2,3-Trichloropropane	12.48	75	65635	45.496	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	65635	86.313	ug/l #	17

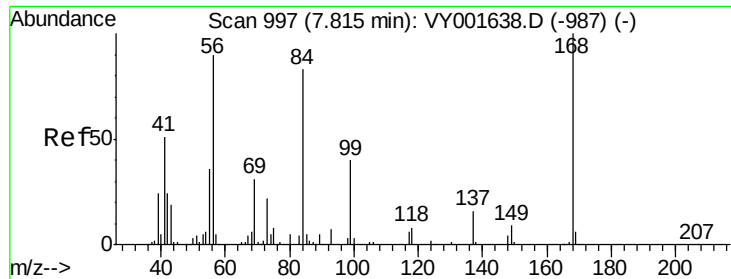
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 997

Delta R.T. -0.00 min

Lab File: VY001645.D

Acq: 17 Feb 2020 14:55

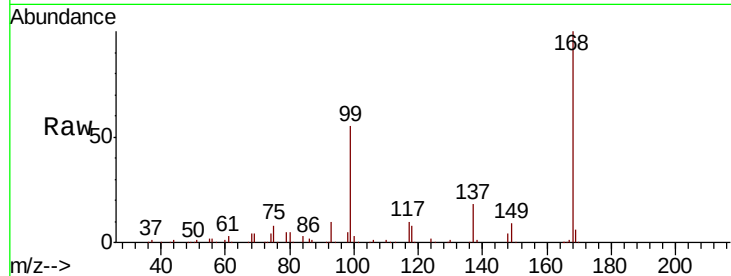
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:168 Resp: 173240

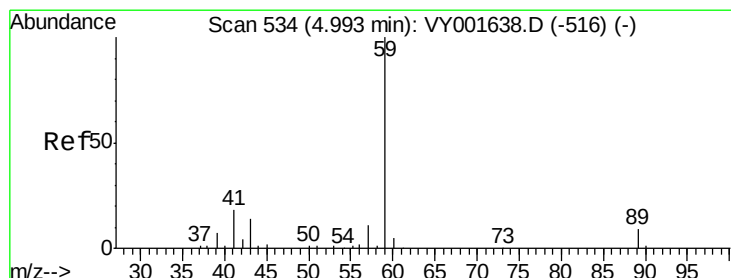
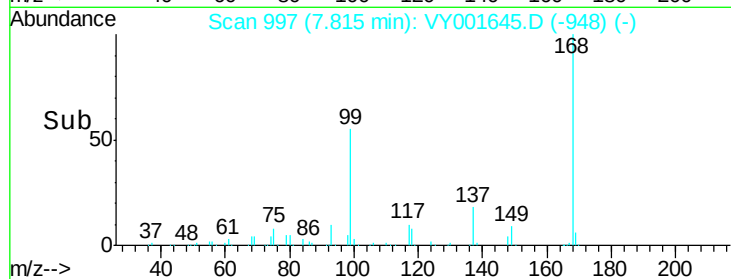
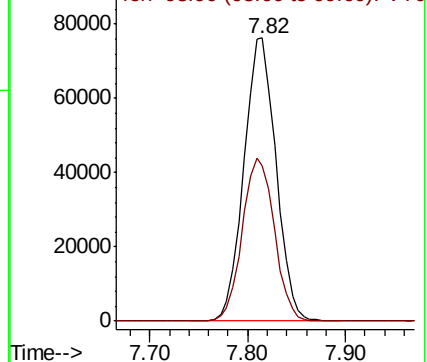
Ion Ratio Lower Upper

168 100

99 54.9 47.5 71.3



Abundance Ion 167.90 (167.60 to 168.60): VY001638.D (-987) (-)



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.00 min Scan# 535

Delta R.T. 0.01 min

Lab File: VY001645.D

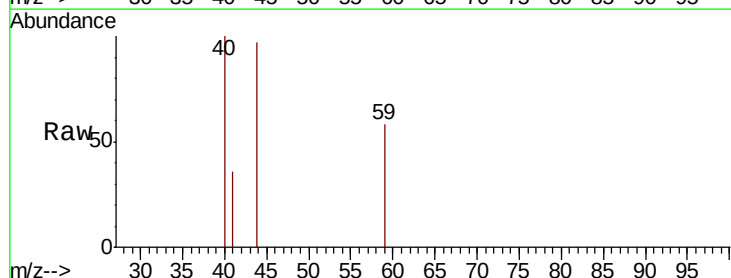
Acq: 17 Feb 2020 14:55

Tgt Ion: 59 Resp: 110

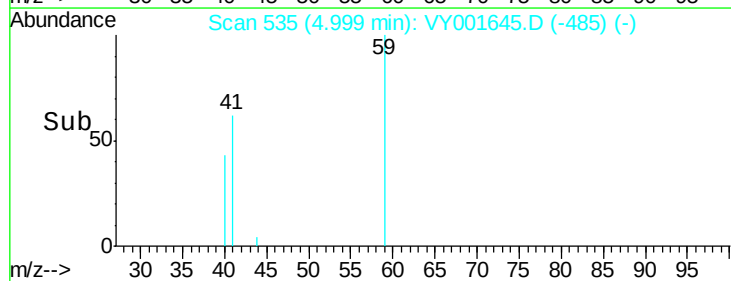
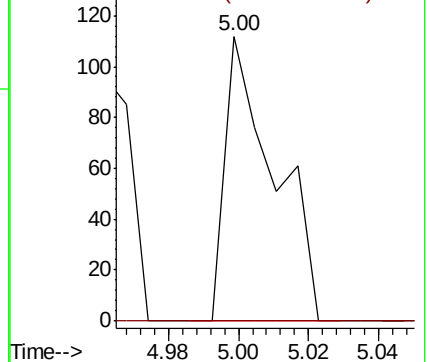
Ion Ratio Lower Upper

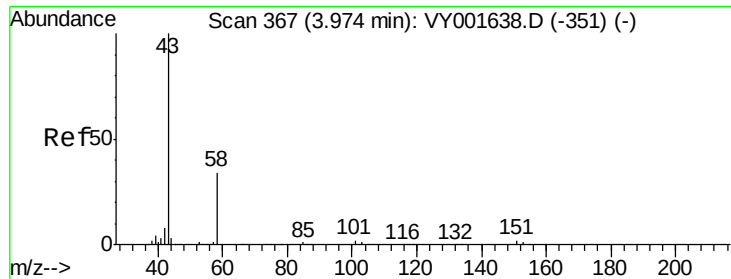
59 100

57 0.0 7.4 11.2#



Abundance Ion 59.00 (58.70 to 59.70): VY001638.D (-516) (-)

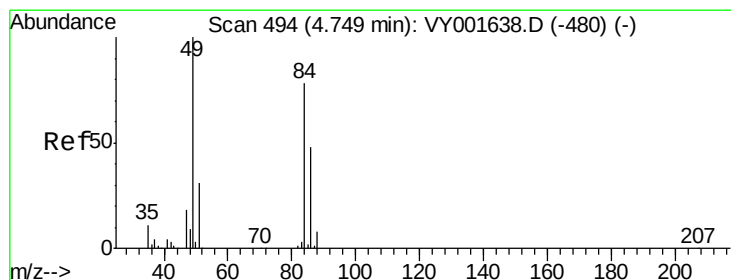
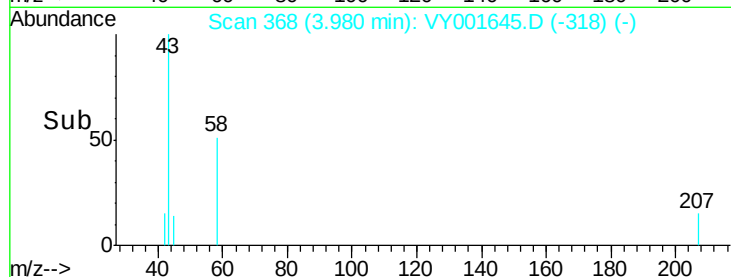
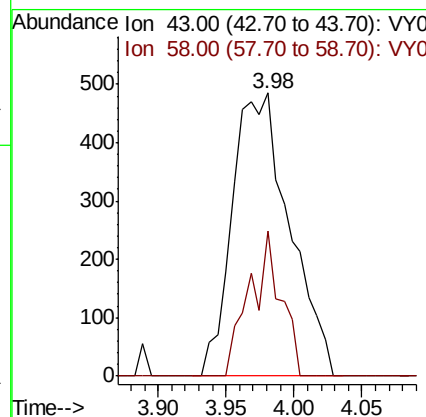
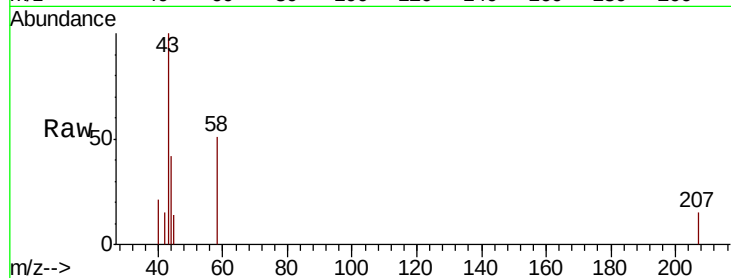




#16
Acetone
Concen: 2.199 ug/l
RT: 3.98 min Scan# 368
Delta R.T. 0.01 min
Lab File: VY001645.D
Acq: 17 Feb 2020 14:55

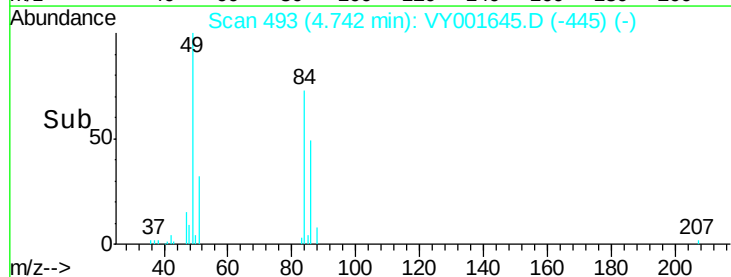
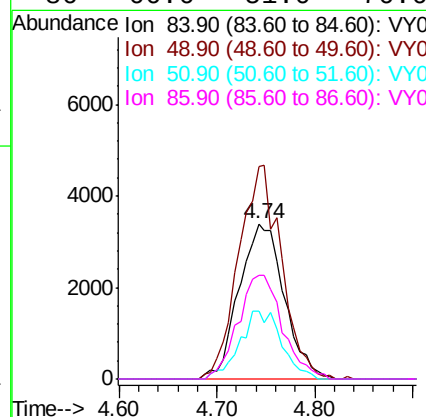
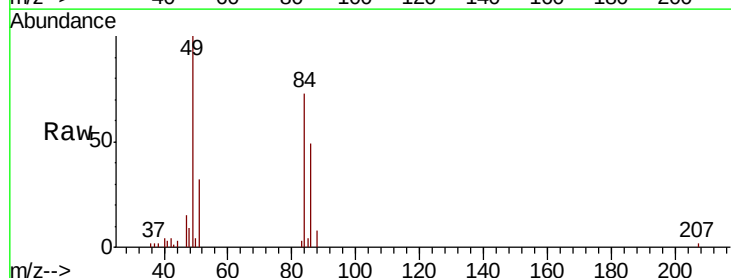
Instrument :
MSVOA_Y
ClientSampled :

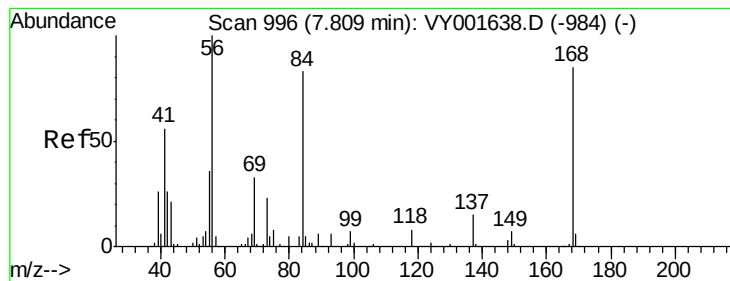
Tot Ion: 43 Resp: 1418
Ion Ratio Lower Upper
43 100
58 51.1 27.3 40.9#



#20
Methylene Chloride
Concen: 4.740 ug/l
RT: 4.74 min Scan# 493
Delta R.T. -0.01 min
Lab File: VY001645.D
Acq: 17 Feb 2020 14:55

Tgt Ion: 84 Resp: 10855
Ion Ratio Lower Upper
84 100
49 136.9 99.2 148.8
51 43.6 31.5 47.3
86 66.6 51.0 76.6





#31

Cyclohexane

Concen: 1.005 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.00 min

Lab File: VY001645.D

Acq: 17 Feb 2020 14:55

Instrument :
MSVOA_Y
ClientSampleId :

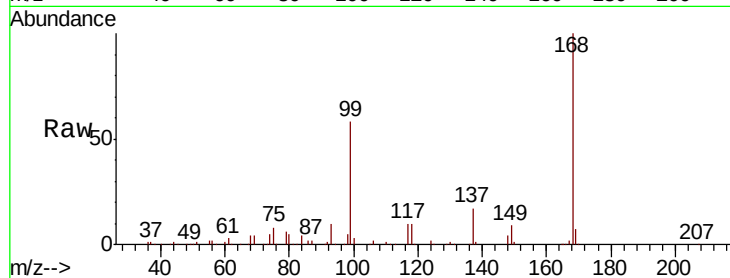
Tot Ion: 56 Resp: 3936

Ion Ratio Lower Upper

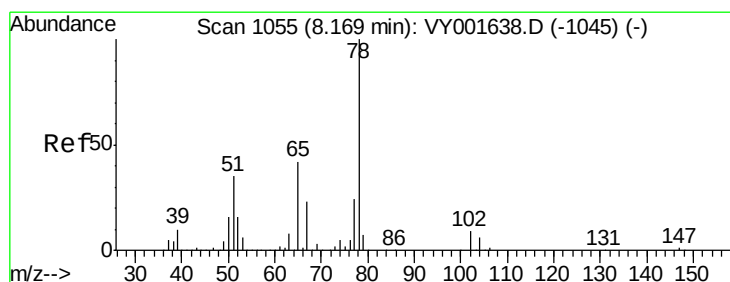
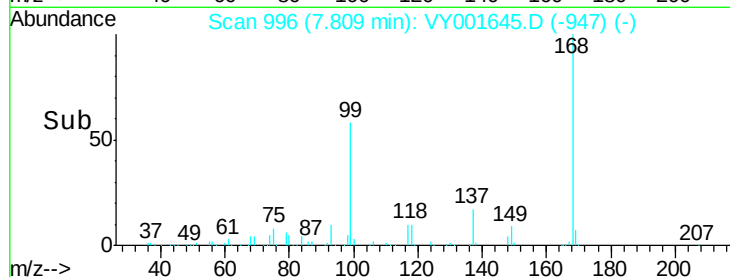
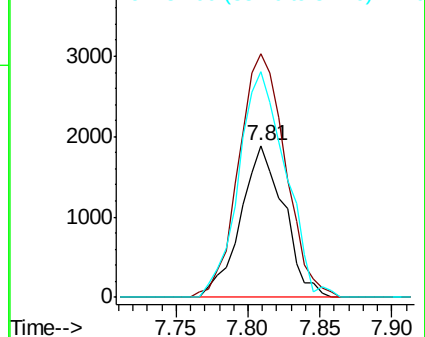
56 100

69 160.8 25.1 37.7#

84 149.2 66.9 100.3#



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



#33

1,2-Dichloroethane-d4

Concen: 55.133 ug/l

RT: 8.16 min Scan# 1054

Delta R.T. -0.01 min

Lab File: VY001645.D

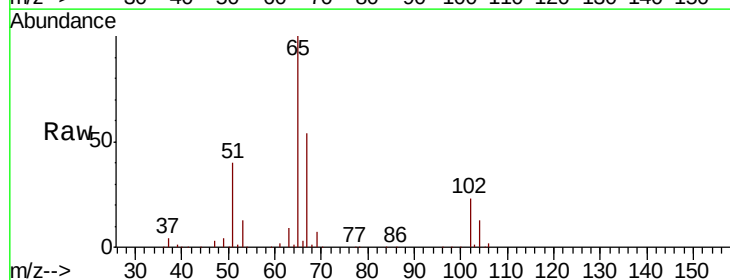
Acq: 17 Feb 2020 14:55

Tgt Ion: 65 Resp: 102738

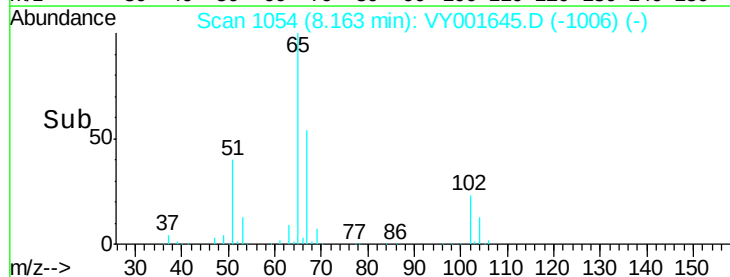
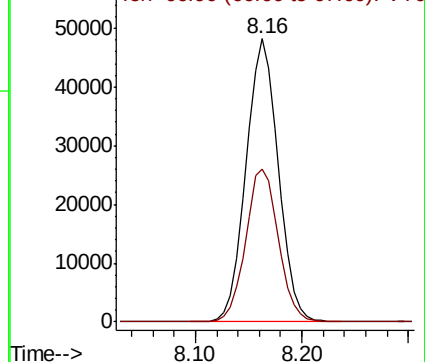
Ion Ratio Lower Upper

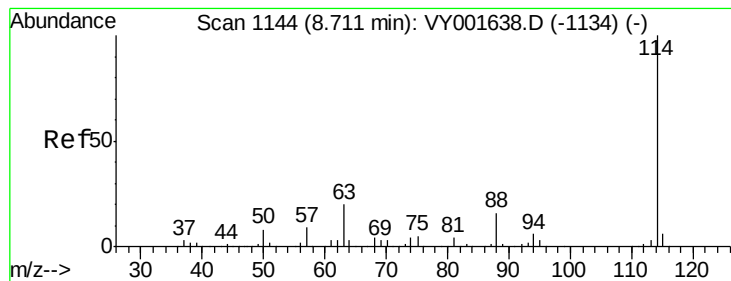
65 100

67 54.7 0.0 111.0



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: 8.71 min Scan# 1143

Delta R.T. -0.01 min

Lab File: VY001645.D

Acq: 17 Feb 2020 14:55

Instrument :
MSVOA_Y
ClientSampleId :

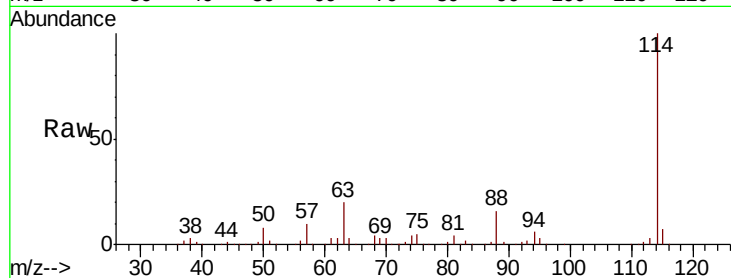
Tot Ion:114 Resp: 314297

Ion Ratio Lower Upper

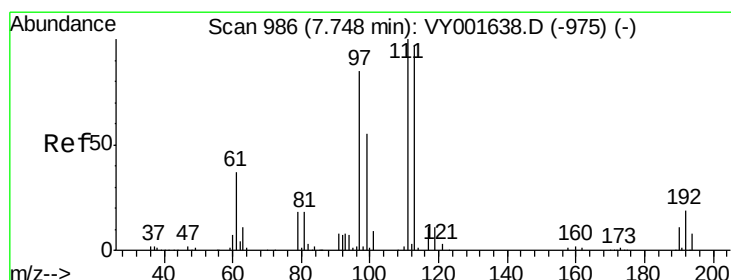
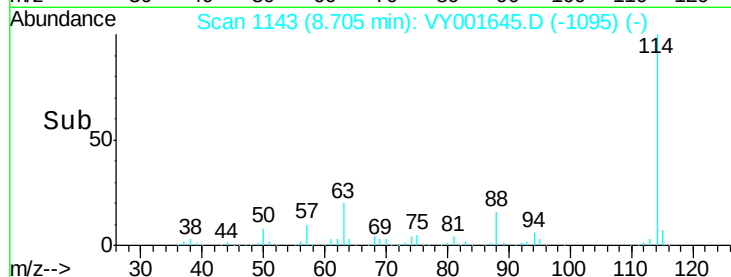
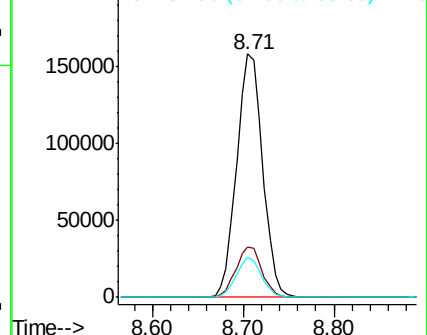
114 100

63 20.5 0.0 41.4

88 16.4 0.0 32.8



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: 51.281 ug/l

RT: 7.74 min Scan# 985

Delta R.T. -0.01 min

Lab File: VY001645.D

Acq: 17 Feb 2020 14:55

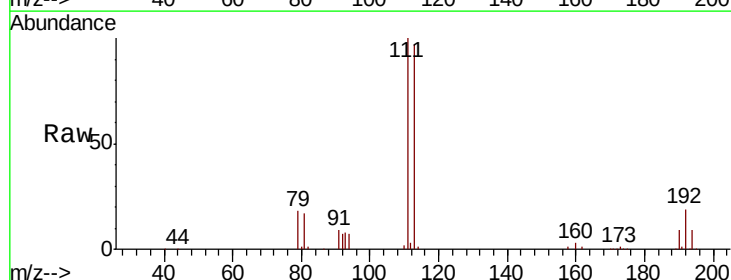
Tgt Ion:113 Resp: 92313

Ion Ratio Lower Upper

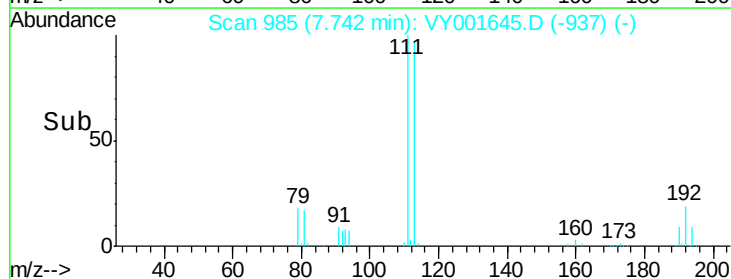
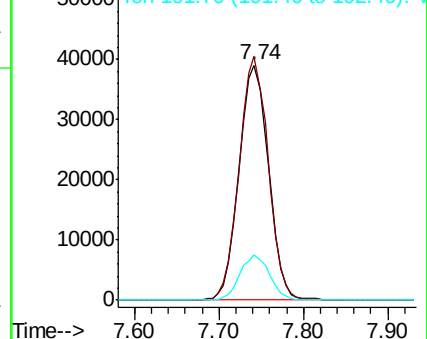
113 100

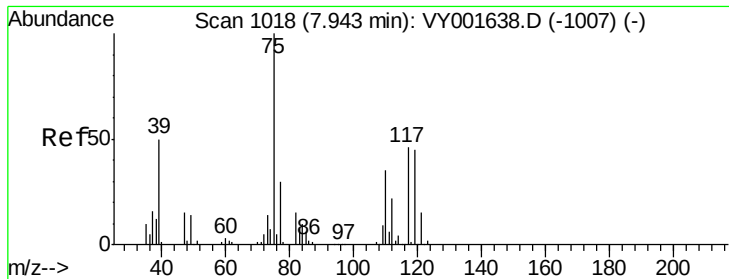
111 102.0 81.9 122.9

192 19.2 14.3 21.5



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

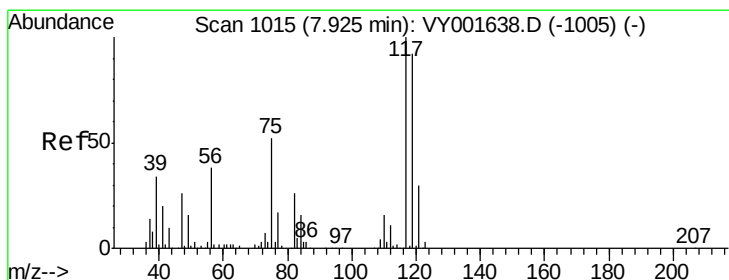
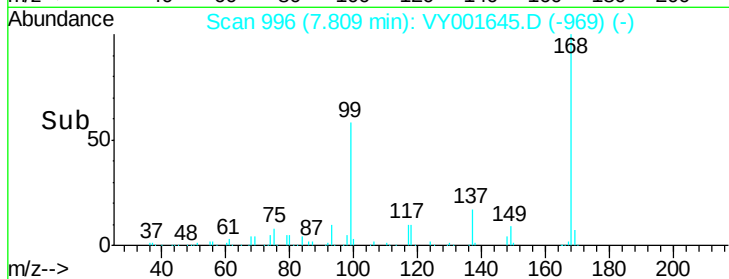
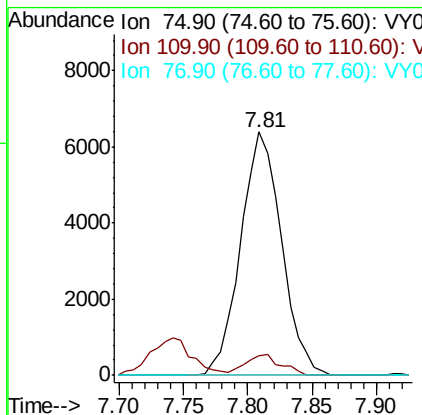
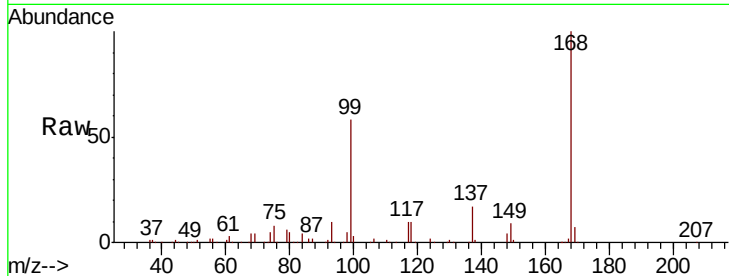




#36
 1,1-Dichloropropene
 Concen: 4.687 ug/l
 RT: 7.81 min Scan# 996
 Delta R.T. -0.13 min
 Lab File: VY001645.D
 Acq: 17 Feb 2020 14:55

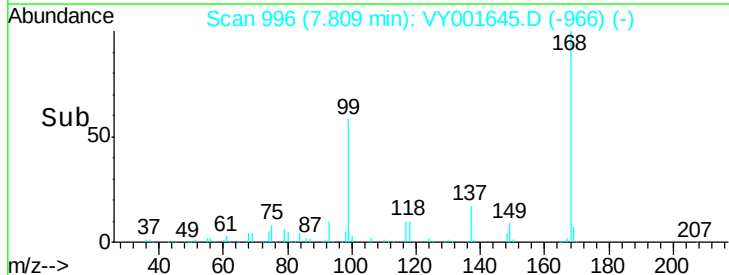
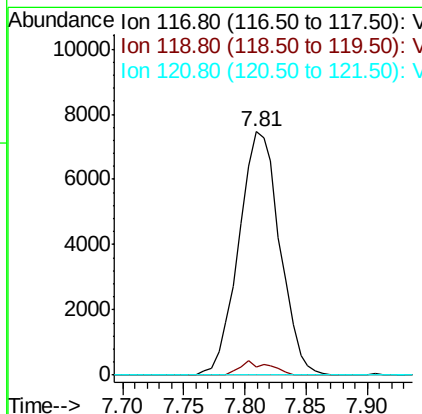
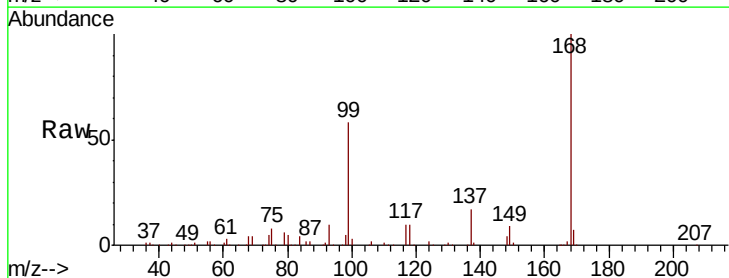
Instrument :
 MSVOA_Y
 ClientSampleId :

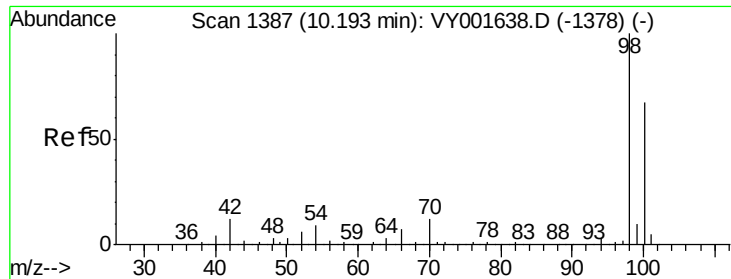
Tot Ion	75	Resp	14070
Ion Ratio	100	Lower	Upper
75	100		
110	7.2	17.2	51.6#
77	0.0	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 6.587 ug/l
 RT: 7.81 min Scan# 996
 Delta R.T. -0.12 min
 Lab File: VY001645.D
 Acq: 17 Feb 2020 14:55

Tgt Ion	117	Resp	17370
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
117	100		
119	3.4	74.8	112.2#
121	0.0	23.8	35.6#





#50

Toluene-d8

Concen: 53.501 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. -0.00 min

Lab File: VY001645.D

Acq: 17 Feb 2020 14:55

Instrument :

MSVOA_Y

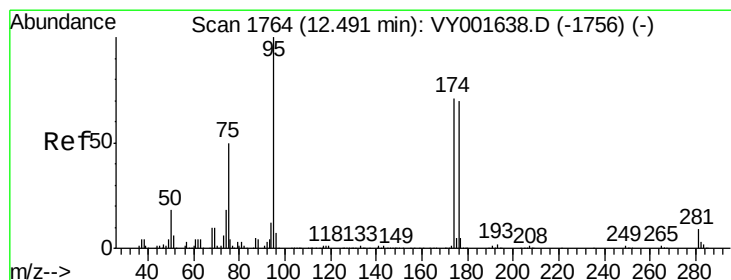
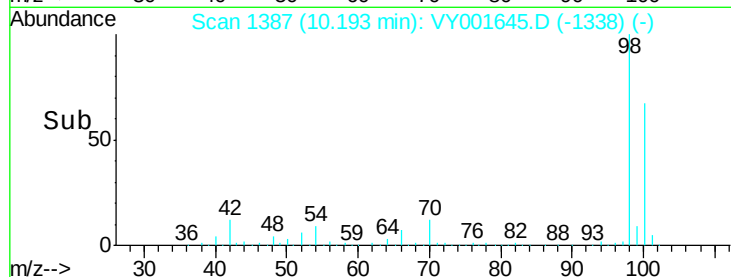
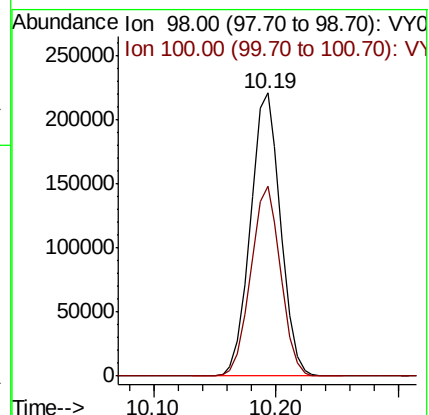
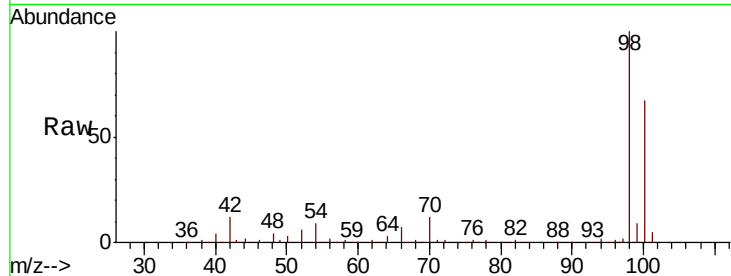
ClientSampleId :

Tot Ion: 98 Resp: 377311

Ion Ratio Lower Upper

98 100

100 66.5 53.0 79.4



#62

4-Bromofluorobenzene

Concen: 47.600 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VY001645.D

Acq: 17 Feb 2020 14:55

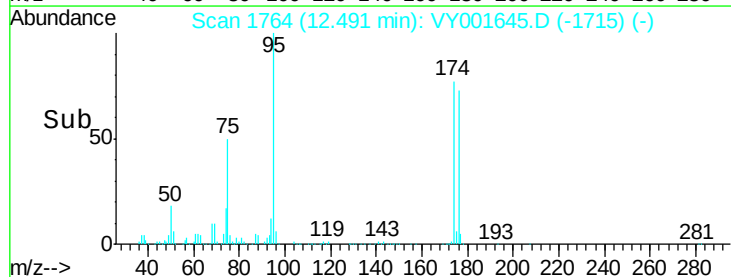
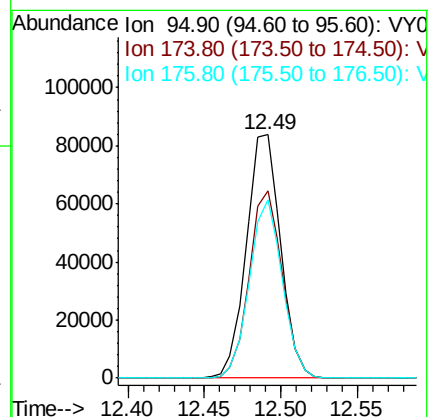
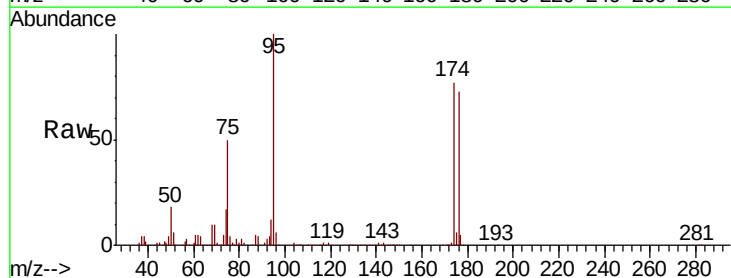
Tgt Ion: 95 Resp: 130415

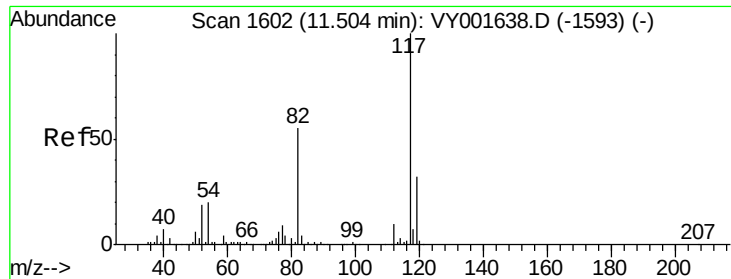
Ion Ratio Lower Upper

95 100

174 74.7 0.0 138.4

176 70.4 0.0 131.8

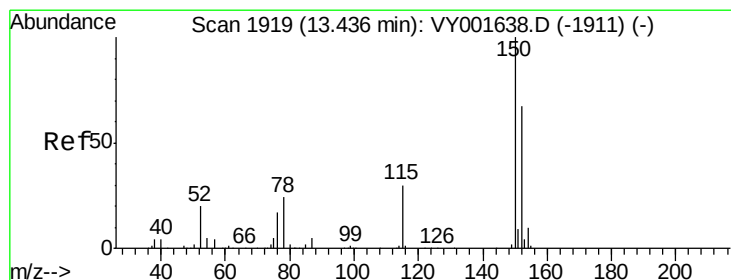
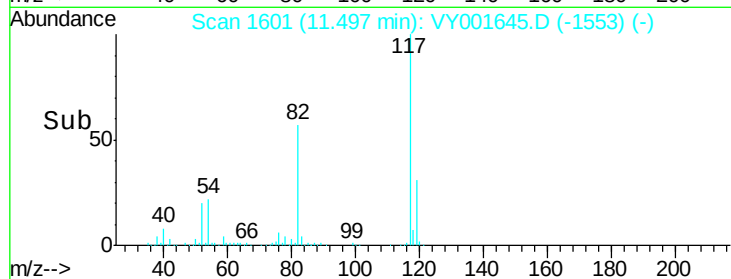
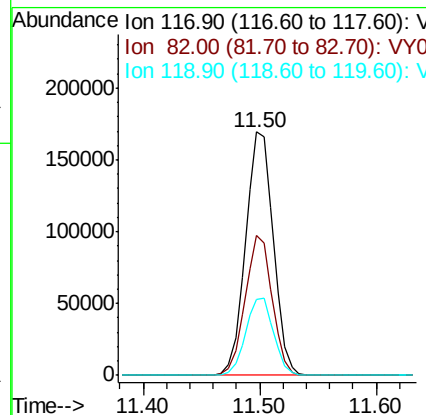
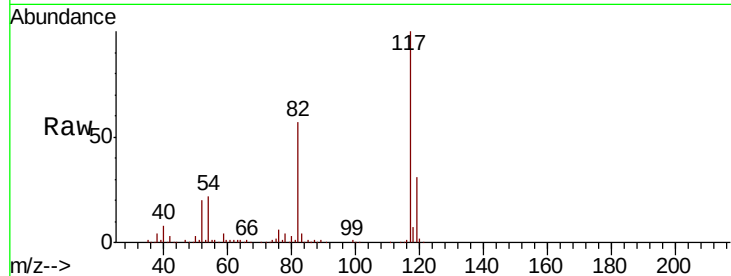




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: VY001645.D
Acq: 17 Feb 2020 14:55

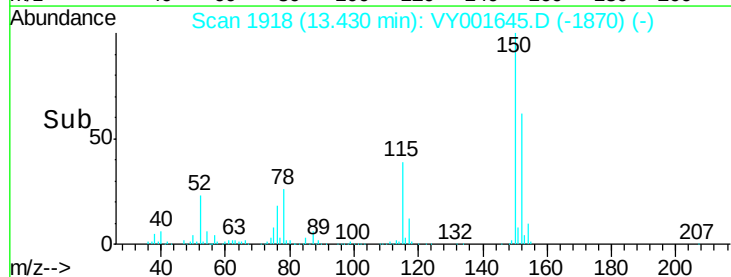
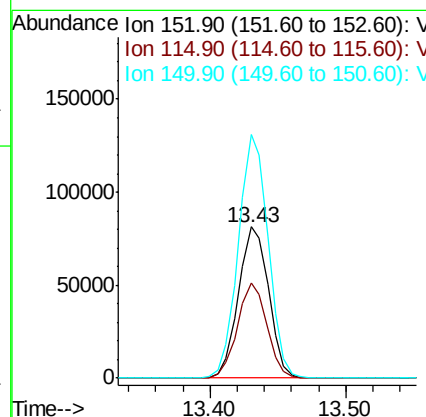
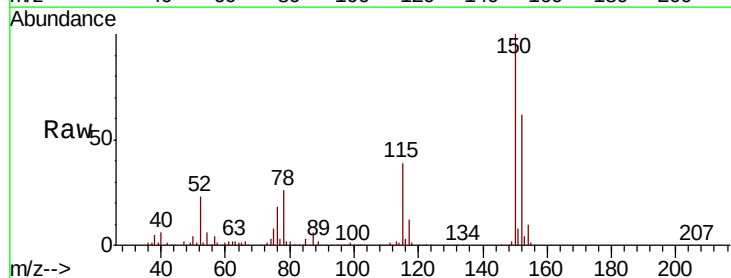
Instrument :
MSVOA_Y
ClientSampled :

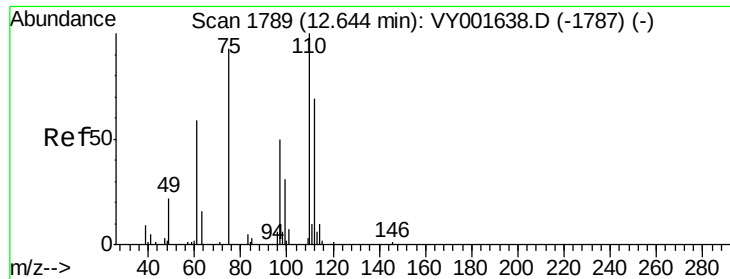
Tot Ion	Ratio	Lower	Upper
117	100		
82	57.5	45.5	68.3
119	31.3	25.8	38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.43 min Scan# 1918
Delta R.T. -0.01 min
Lab File: VY001645.D
Acq: 17 Feb 2020 14:55

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.3	31.4	94.2
150	158.9	0.0	407.2





#76

1,2,3-Trichloropropane

Concen: 45.496 ug/l

RT: 12.48 min Scan# 1763

Delta R.T. -0.16 min

Lab File: VY001645.D

Acq: 17 Feb 2020 14:55

Instrument :

MSVOA_Y

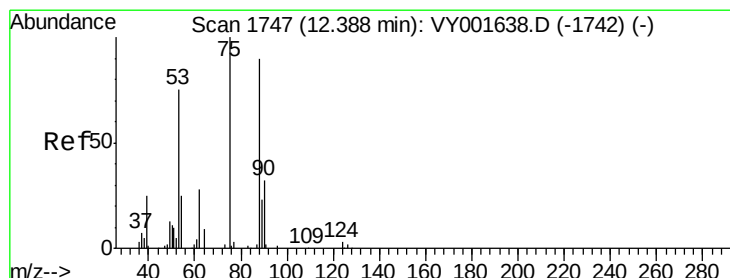
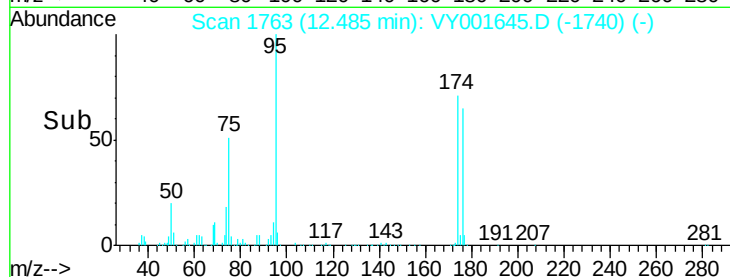
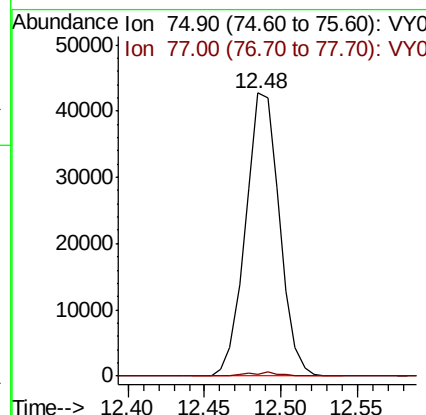
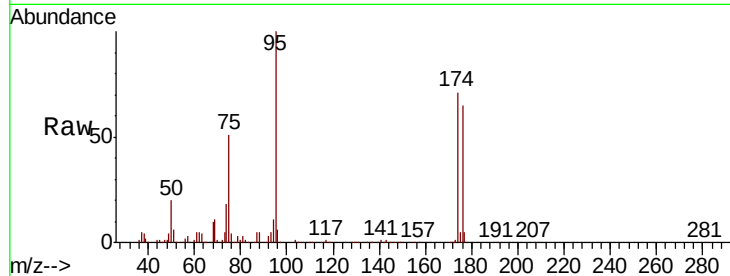
ClientSampleId :

Tot Ion: 75 Resp: 65635

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 86.313 ug/l

RT: 12.48 min Scan# 1763

Delta R.T. 0.10 min

Lab File: VY001645.D

Acq: 17 Feb 2020 14:55

Tgt Ion: 75 Resp: 65635

Ion Ratio Lower Upper

75 100

53 0.0 64.5 96.7#

89 0.0 36.3 54.5#

