

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY110619\
 Data File : VY000554.D
 Acq On : 06 Nov 2019 16:16
 Operator : SY/MD
 Sample : K5675-01RE
 Misc : 7.01G/5ML/MSVOA Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 07 04:57:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y103019S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 30 13:30:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	133219	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	247471	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	222669	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	101691	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	92282	66.94	ug/l	0.00
Spiked Amount			Recovery	=	133.88%	
35) Dibromofluoromethane	7.73	113	74325	51.16	ug/l	0.00
Spiked Amount			Recovery	=	102.32%	
50) Toluene-d8	10.19	98	285758	51.84	ug/l	0.00
Spiked Amount			Recovery	=	103.68%	
62) 4-Bromofluorobenzene	12.48	95	97991	46.69	ug/l	0.00
Spiked Amount			Recovery	=	93.38%	

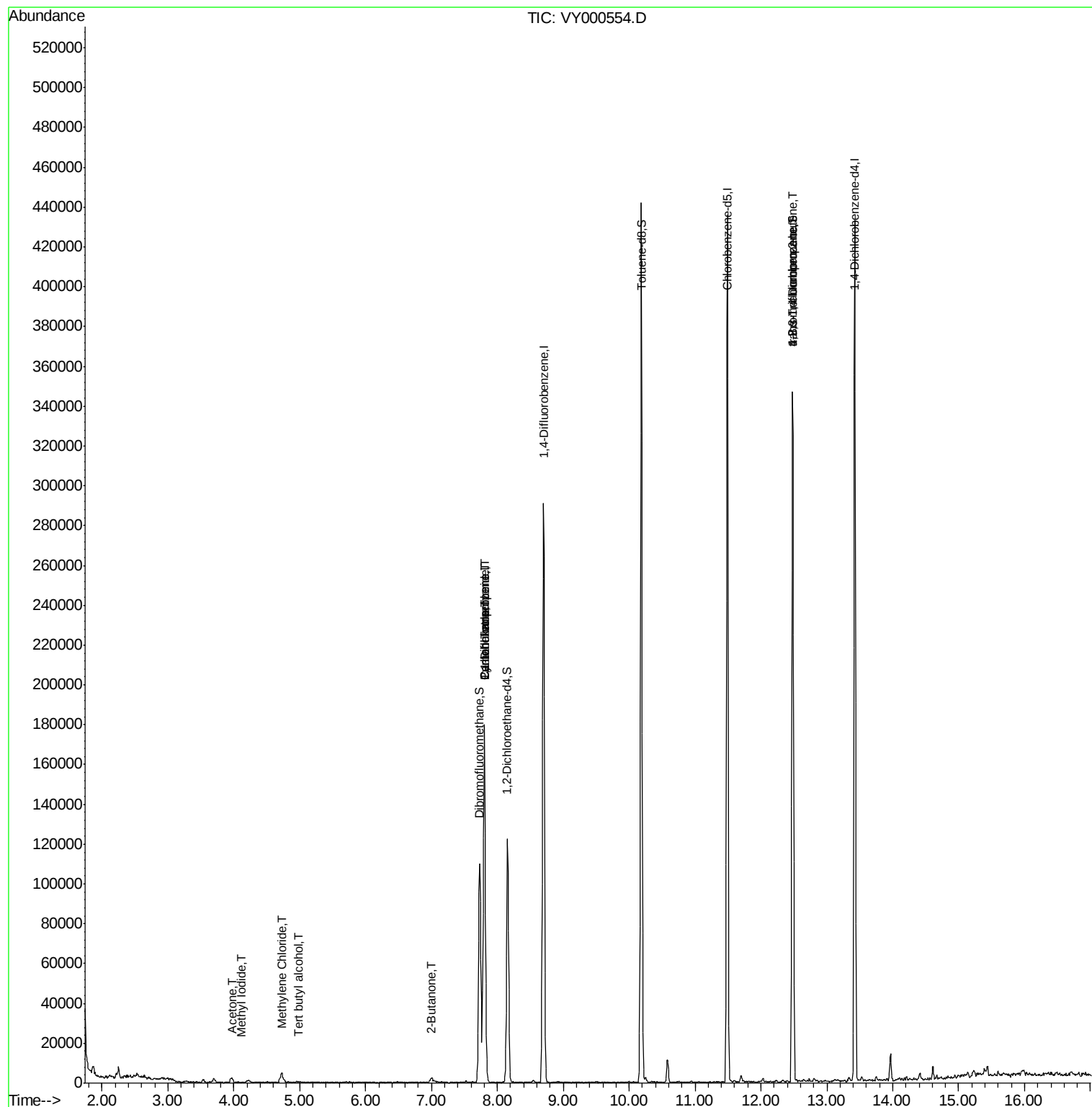
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.11	142	71	3.236	ug/l #	41
11) Tert butyl alcohol	4.98	59	369	2.750	ug/l #	88
16) Acetone	3.97	43	3898	10.259	ug/l #	76
20) Methylene Chloride	4.73	84	2995	1.840	ug/l #	88
25) 2-Butanone	6.99	43	747	1.232	ug/l #	49
31) Cyclohexane	7.80	56	3539	1.326	ug/l #	70
36) 1,1-Dichloropropene	7.80	75	11006	4.704	ug/l #	48
38) Carbon Tetrachloride	7.80	117	13540	6.015	ug/l #	14
76) 1,2,3-Trichloropropane	12.48	75	54617	47.169	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	54617	105.760	ug/l #	13

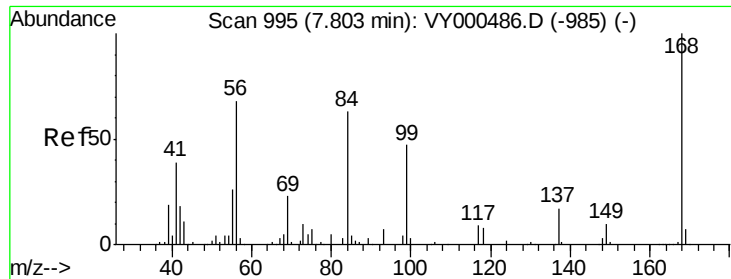
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y103019S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 30 13:30:53 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.81 min Scan# 996

Delta R.T. 0.01 min

Lab File: VY000554.D

Acq: 06 Nov 2019 16:16

Instrument :

MSVOA_Y

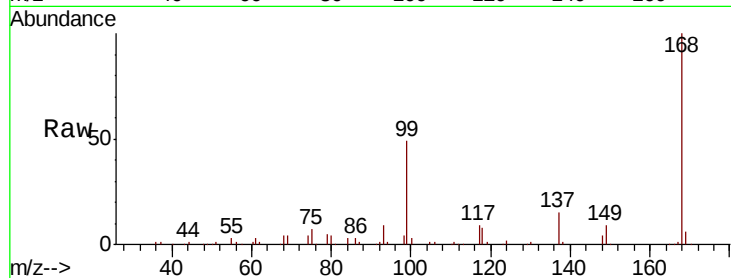
ClientSampled :

Tot Ion:168 Resp: 133219

Ion Ratio Lower Upper

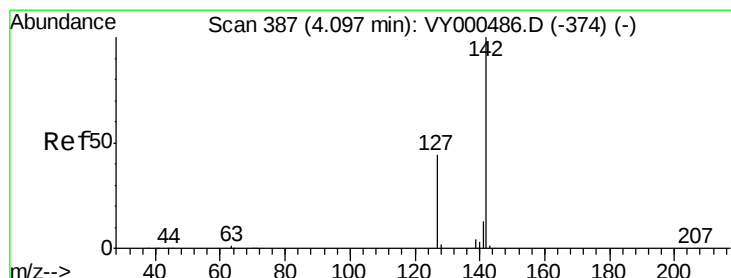
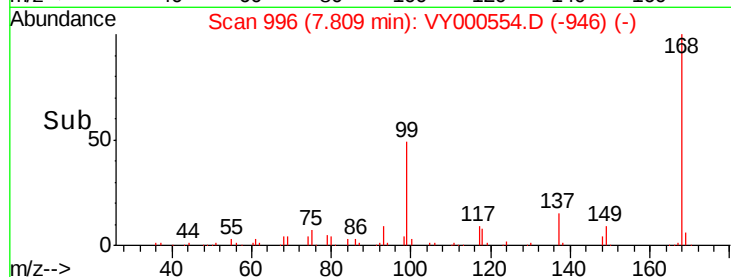
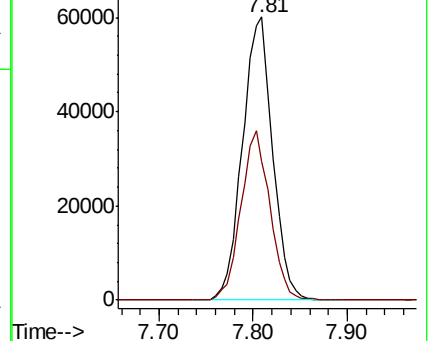
168 100

99 49.1 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VY0



#10

Methyl Iodide

Concen: 3.236 ug/l

RT: 4.11 min Scan# 389

Delta R.T. 0.01 min

Lab File: VY000554.D

Acq: 06 Nov 2019 16:16

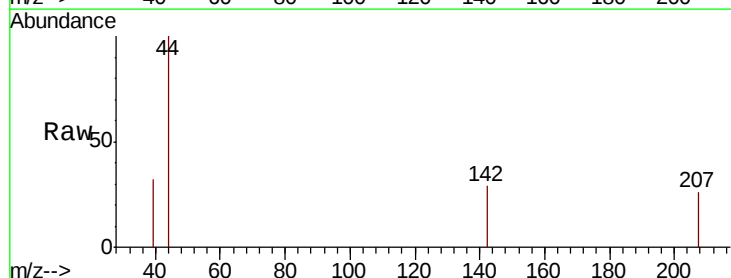
Tgt Ion:142 Resp: 71

Ion Ratio Lower Upper

142 100

127 0.0 33.7 50.5#

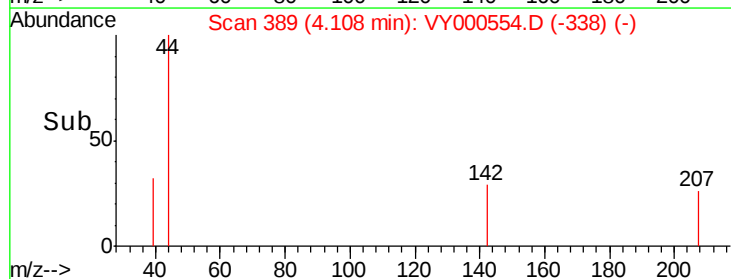
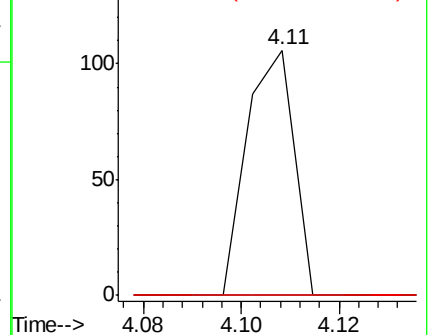
141 0.0 10.9 16.3#



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



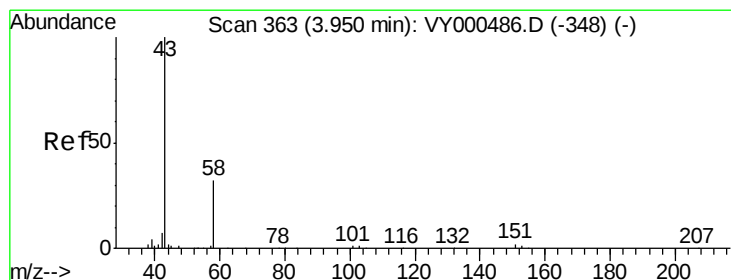
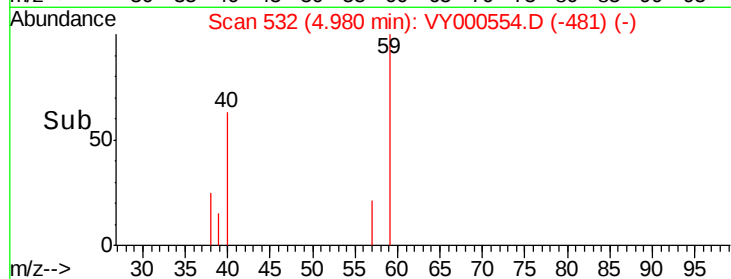
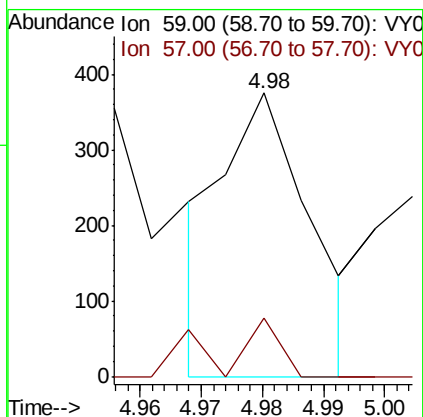
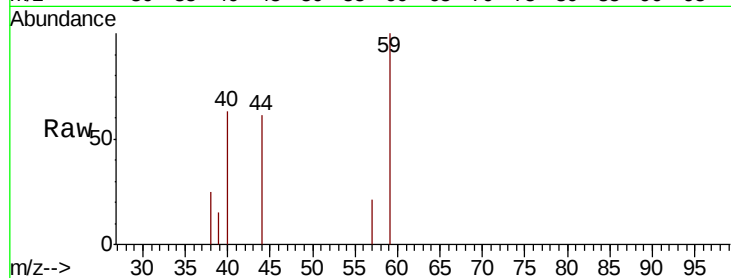


#11

Tert butyl alcohol
 Concen: 2.750 ug/l
 RT: 4.98 min Scan# 532
 Delta R.T. 0.01 min
 Lab File: VY000554.D
 Acq: 06 Nov 2019 16:16

Instrument :
 MSVOA_Y
 ClientSampleId :

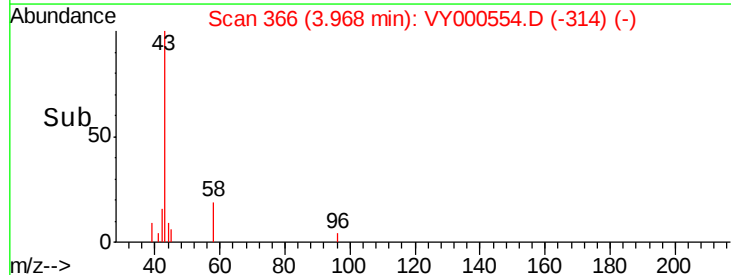
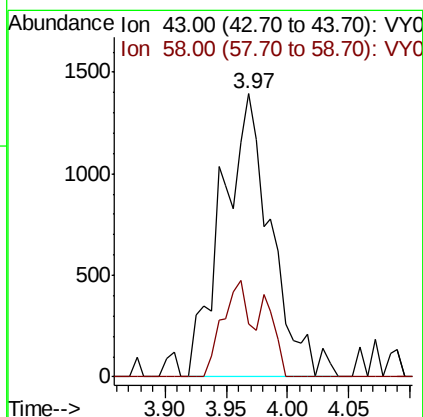
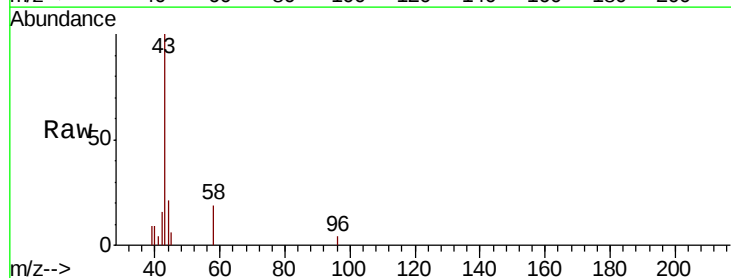
Tot Ion: 59 Resp: 369
 Ion Ratio Lower Upper
 59 100
 57 6.2 8.6 12.8#

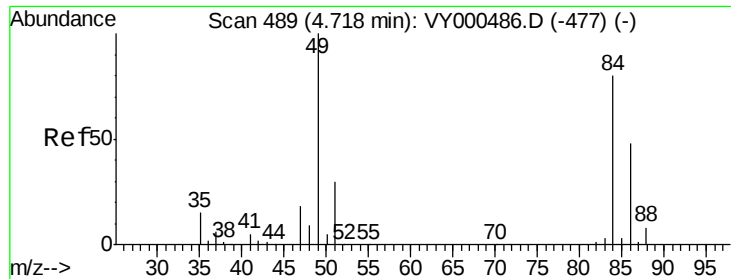


#16

Acetone
 Concen: 10.259 ug/l
 RT: 3.97 min Scan# 366
 Delta R.T. 0.02 min
 Lab File: VY000554.D
 Acq: 06 Nov 2019 16:16

Tgt Ion: 43 Resp: 3898
 Ion Ratio Lower Upper
 43 100
 58 18.9 25.8 38.6#

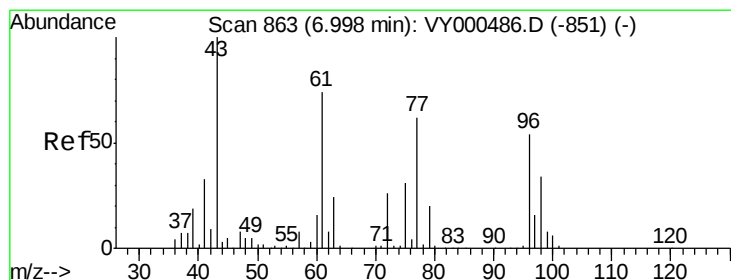
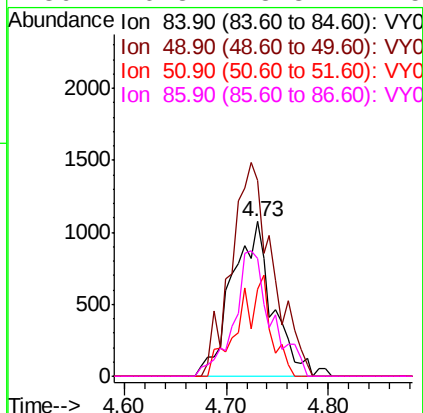
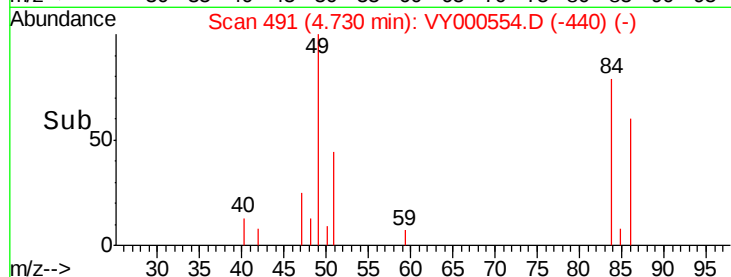
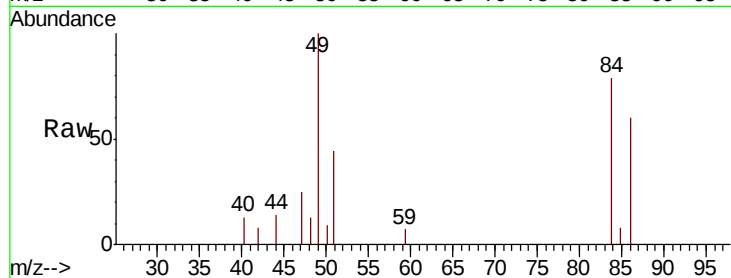




#20
Methvlene Chloride
Concen: 1.840 ug/l
RT: 4.73 min Scan# 491
Delta R.T. 0.01 min
Lab File: VY000554.D
Acq: 06 Nov 2019 16:16

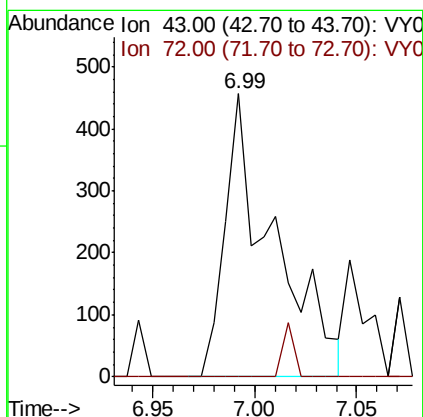
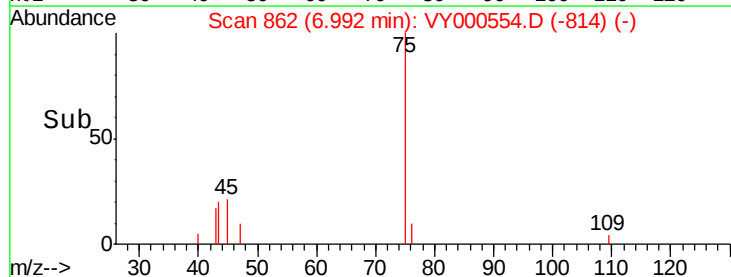
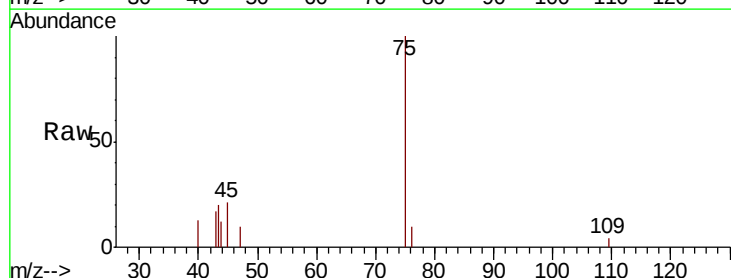
Instrument :
MSVOA_Y
ClientSampleId :

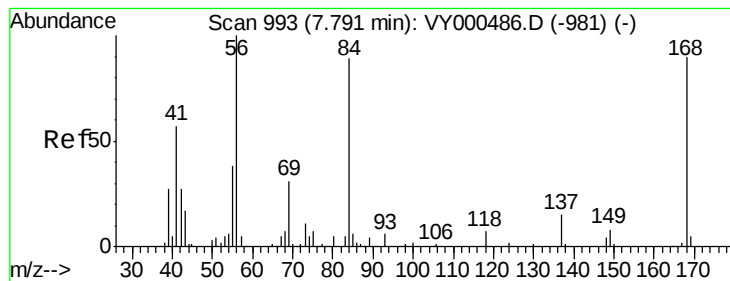
Tot Ion: 84 Resp: 2995
Ion Ratio Lower Upper
84 100
49 126.7 100.2 150.4
51 56.2 29.6 44.4#
86 76.3 48.3 72.5#



#25
2-Butanone
Concen: 1.232 ug/l
RT: 6.99 min Scan# 862
Delta R.T. -0.01 min
Lab File: VY000554.D
Acq: 06 Nov 2019 16:16

Tgt Ion: 43 Resp: 747
Ion Ratio Lower Upper
43 100
72 0.0 20.9 31.3#





#31

Cyclohexane

Concen: 1.326 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.01 min

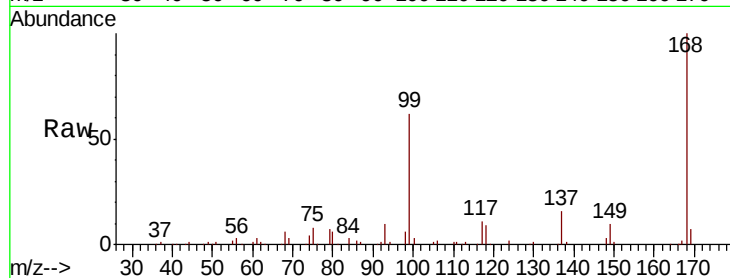
Lab File: VY000554.D

Acq: 06 Nov 2019 16:16

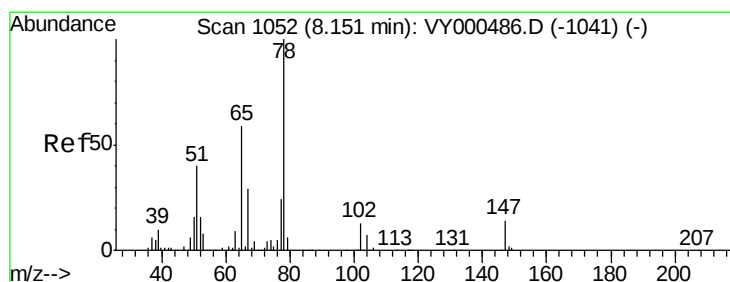
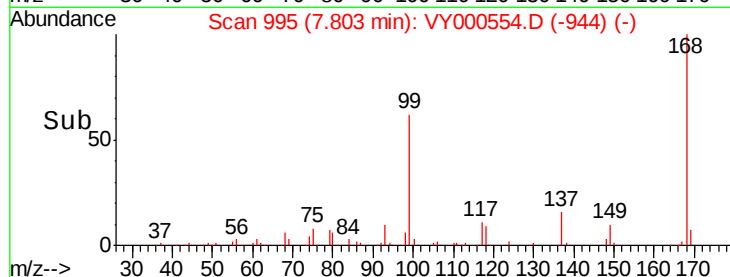
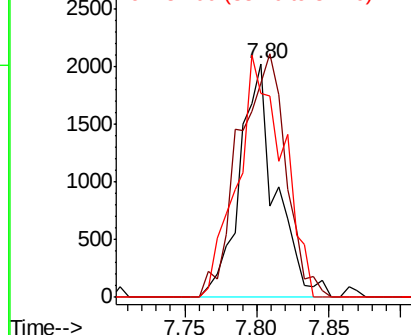
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 56 Resp: 3539

Ion	Ratio	Lower	Upper
56	100		
69	92.0	25.0	37.6#
84	87.3	71.4	107.2



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: 66.937 ug/l

RT: 8.16 min Scan# 1053

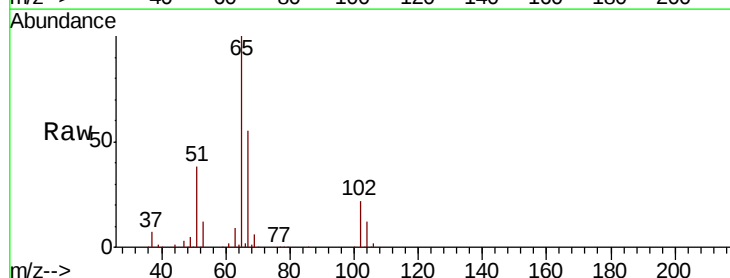
Delta R.T. 0.01 min

Lab File: VY000554.D

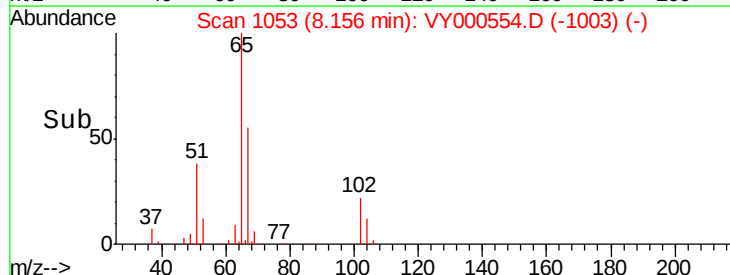
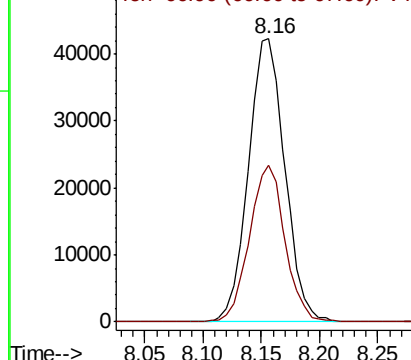
Acq: 06 Nov 2019 16:16

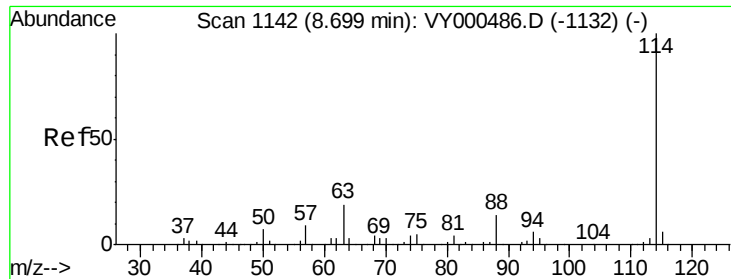
Tgt Ion: 65 Resp: 92282

Ion	Ratio	Lower	Upper
65	100		
67	54.0	0.0	107.2



Abundance Ion 64.90 (64.60 to 65.60): VY0
Ion 66.90 (66.60 to 67.60): VY0

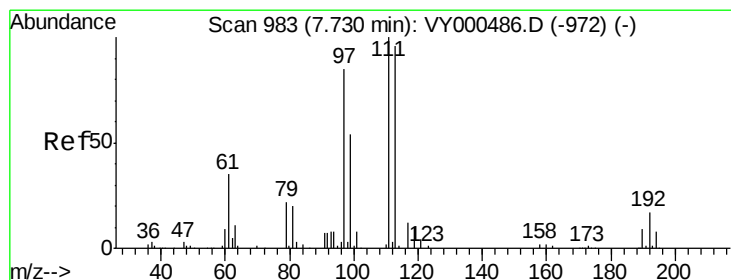
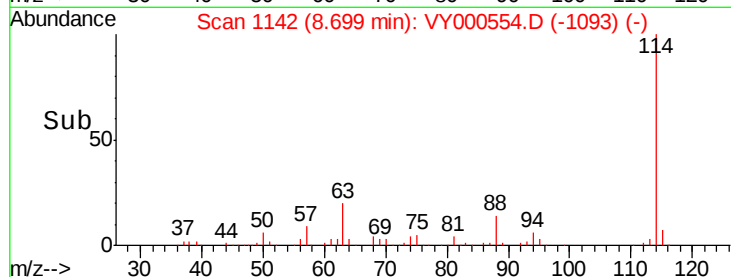
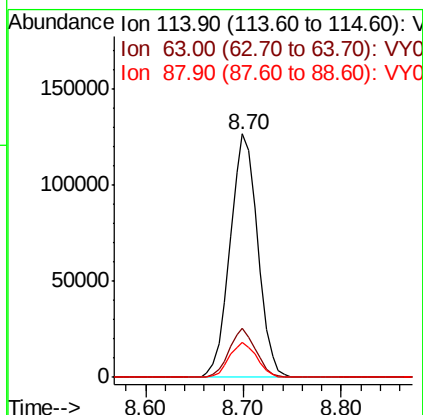
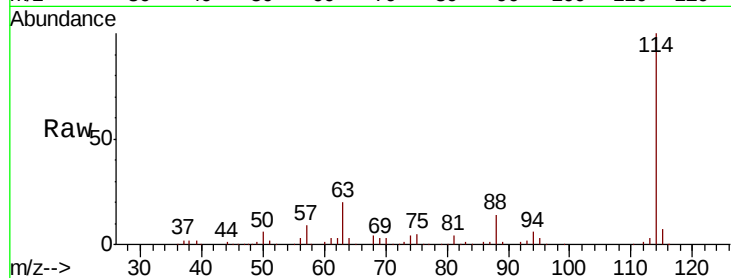




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. -0.00 min
 Lab File: VY000554.D
 Acq: 06 Nov 2019 16:16

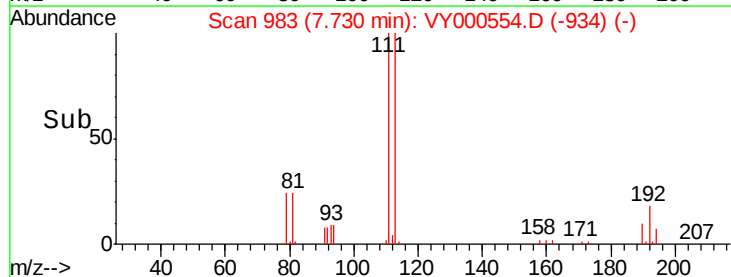
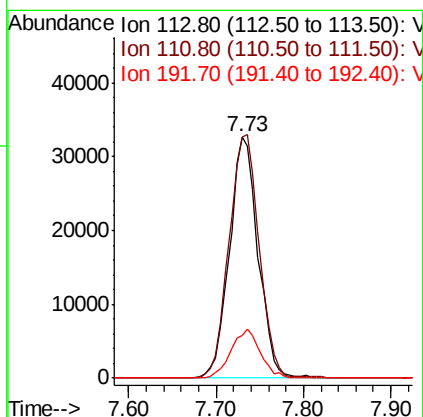
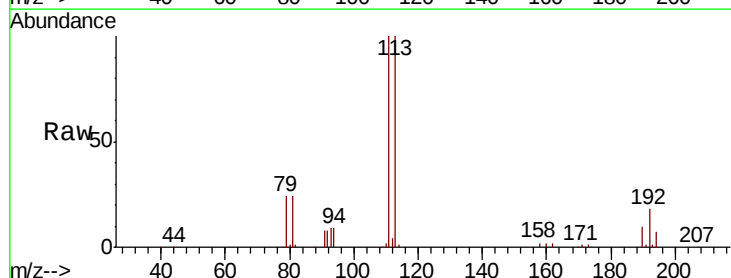
Instrument :
 MSVOA_Y
 ClientSampleId :

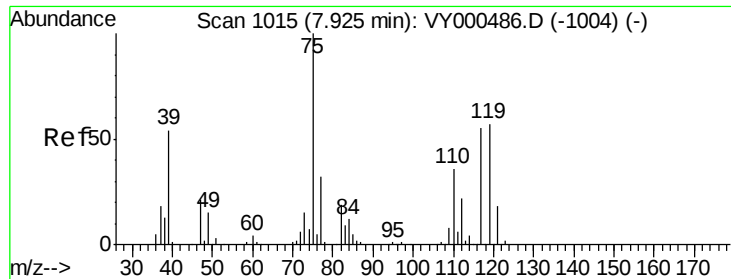
Tot Ion:114 Resp: 247471
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 38.0
 88 14.4 0.0 28.6



#35
 Dibromofluoromethane
 Concen: 51.159 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. -0.00 min
 Lab File: VY000554.D
 Acq: 06 Nov 2019 16:16

Tgt Ion:113 Resp: 74325
 Ion Ratio Lower Upper
 113 100
 111 106.0 81.7 122.5
 192 20.7 15.0 22.4

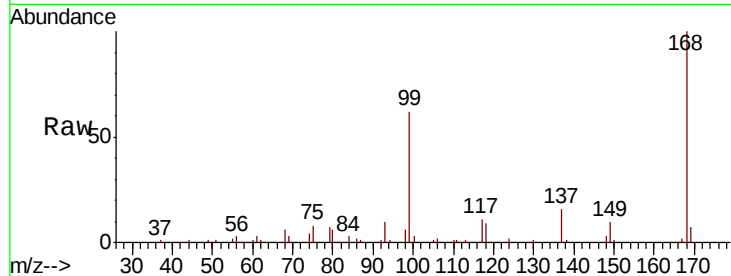




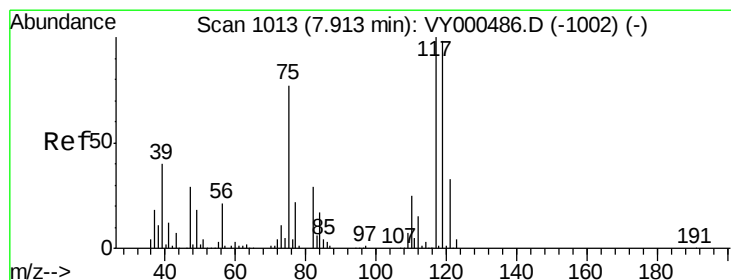
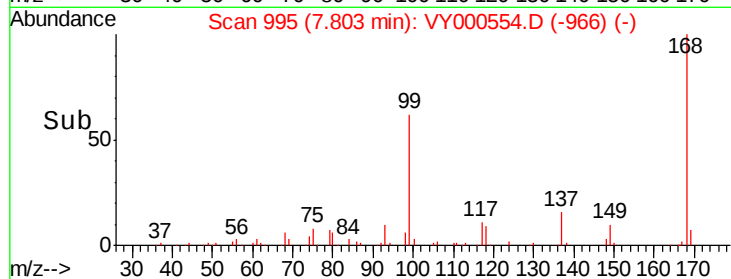
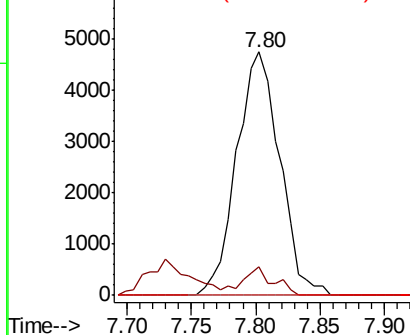
#36
 1,1-Dichloropropene
 Concen: 4.704 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.12 min
 Lab File: VY000554.D
 Acq: 06 Nov 2019 16:16

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
75	100		
110	8.3	18.1	54.1#
77	0.0	25.0	37.6#

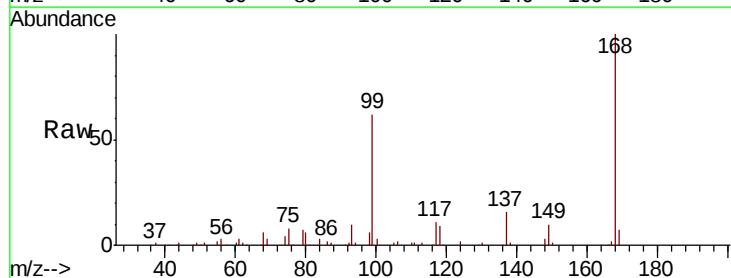


Abundance Ion 74.90 (74.60 to 75.60): VY0
 Ion 109.90 (109.60 to 110.60): VY0
 Ion 76.90 (76.60 to 77.60): VY0

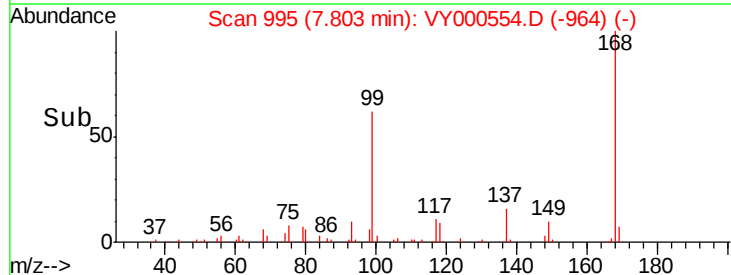
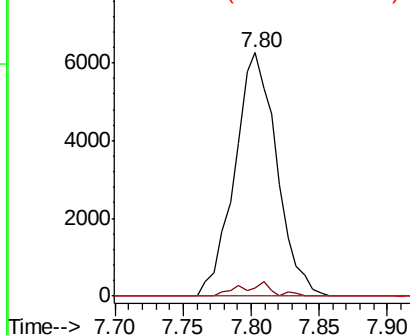


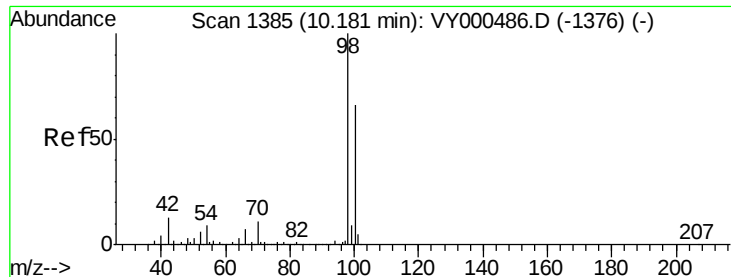
#38
 Carbon Tetrachloride
 Concen: 6.015 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.11 min
 Lab File: VY000554.D
 Acq: 06 Nov 2019 16:16

Tgt Ion	Ratio	Lower	Upper
117	100		
119	3.1	78.0	117.0#
121	0.0	26.6	40.0#



Abundance Ion 116.80 (116.50 to 117.50): VY0
 Ion 118.80 (118.50 to 119.50): VY0
 Ion 120.80 (120.50 to 121.50): VY0





#50

Toluene-d8

Concen: 51.837 ug/l

RT: 10.19 min Scan# 1386

Delta R.T. 0.01 min

Lab File: VY000554.D

Acq: 06 Nov 2019 16:16

Instrument :

MSVOA_Y

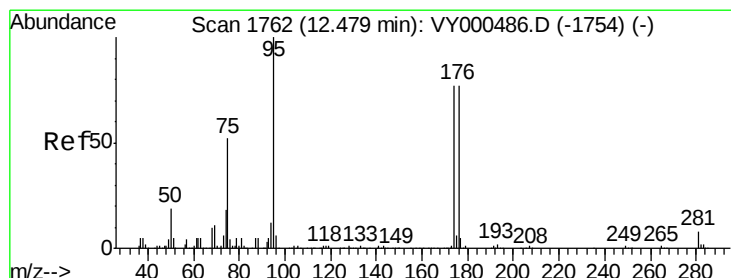
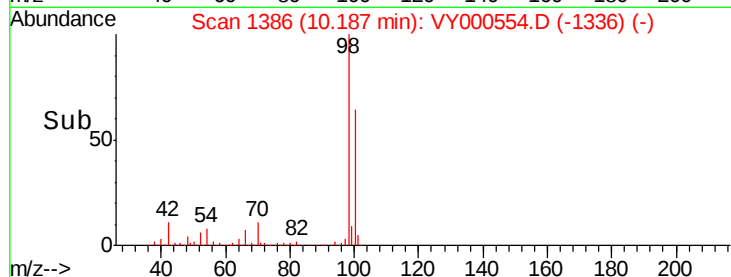
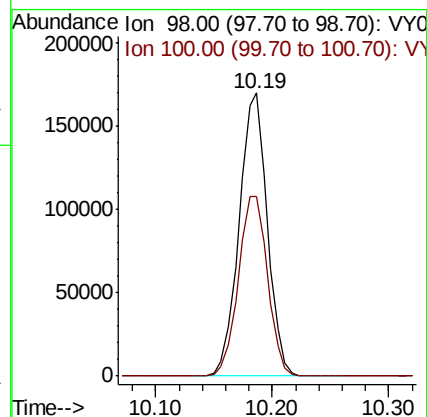
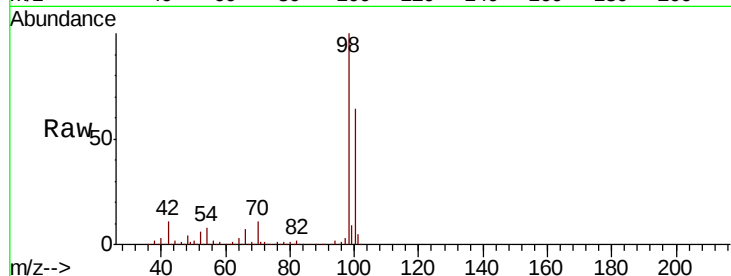
ClientSampleId :

Tot Ion: 98 Resp: 285758

Ion Ratio Lower Upper

98 100

100 66.2 52.9 79.3



#62

4-Bromofluorobenzene

Concen: 46.693 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY000554.D

Acq: 06 Nov 2019 16:16

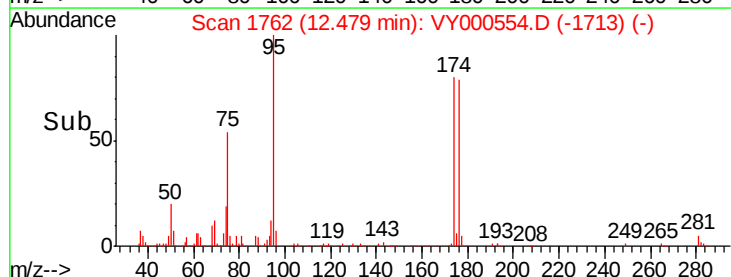
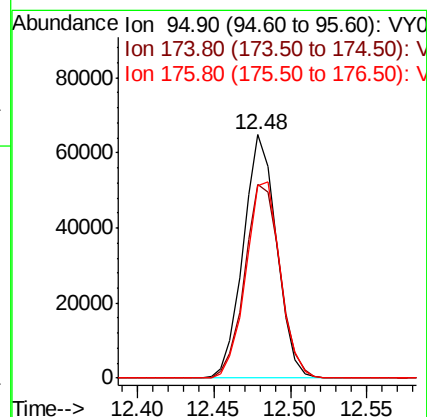
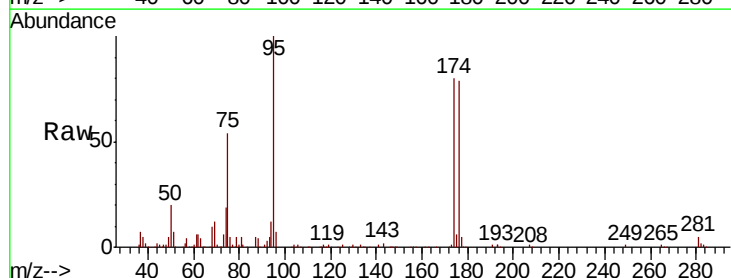
Tgt Ion: 95 Resp: 97991

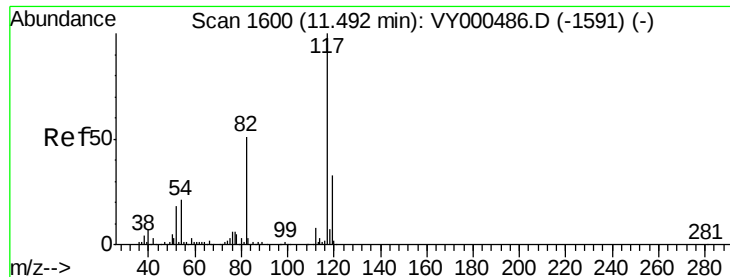
Ion Ratio Lower Upper

95 100

174 84.6 0.0 161.6

176 83.2 0.0 157.8

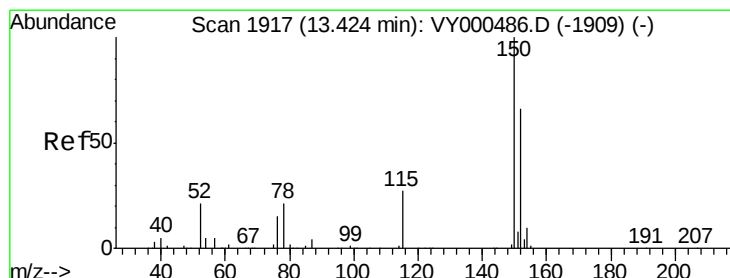
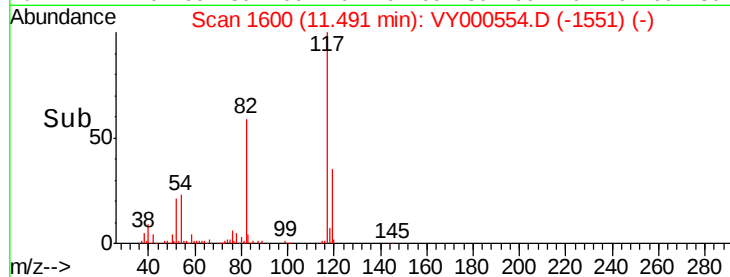
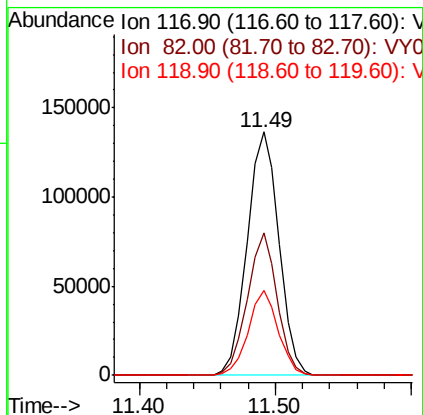
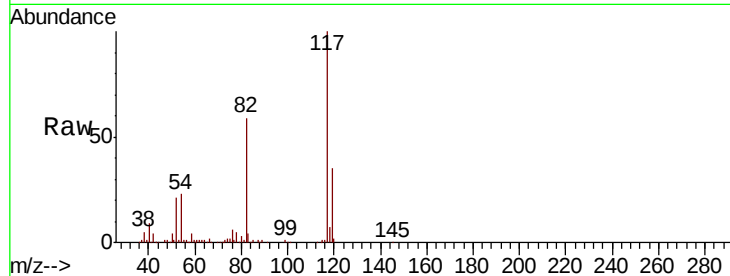




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY000554.D
Acq: 06 Nov 2019 16:16

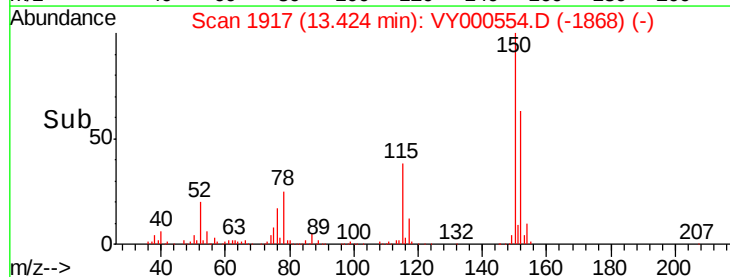
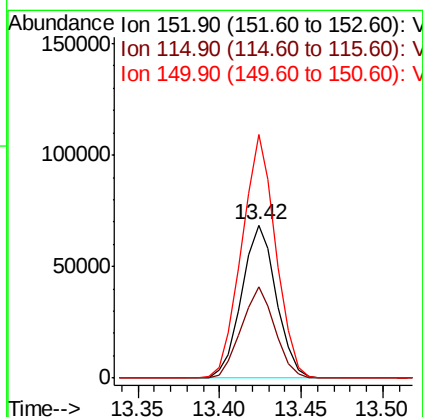
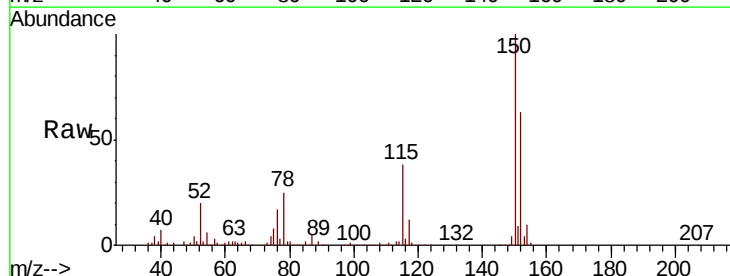
Instrument :
MSVOA_Y
ClientSampleId :

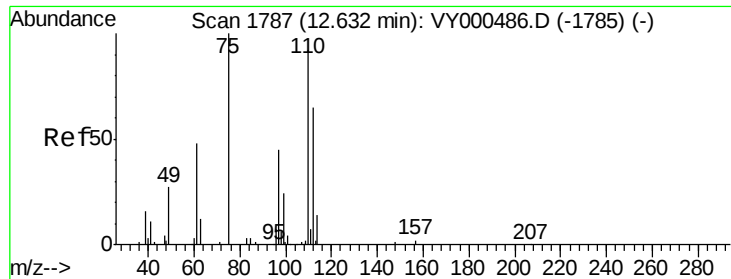
Tot Ion	Ratio	Lower	Upper
117	100		
82	58.6	40.8	61.2
119	34.9	26.2	39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY000554.D
Acq: 06 Nov 2019 16:16

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.0	29.1	87.4
150	156.0	0.0	348.8





#76

1,2,3-Trichloropropane

Concen: 47.169 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY000554.D

Acq: 06 Nov 2019 16:16

Instrument :

MSVOA_Y

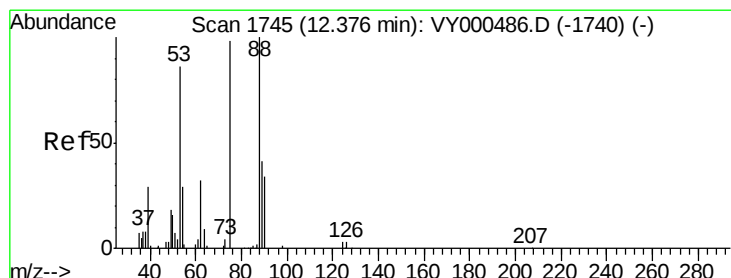
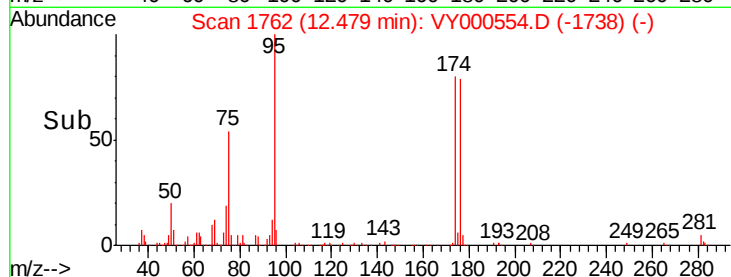
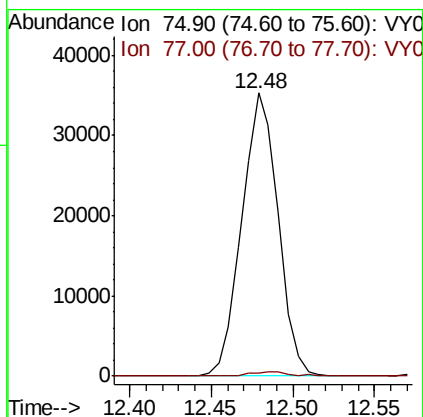
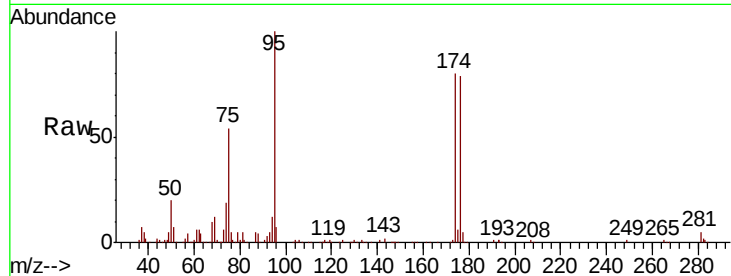
ClientSampleId :

Tot Ion: 75 Resp: 54617

Ion Ratio Lower Upper

75 100

77 1.7 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 105.760 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000554.D

Acq: 06 Nov 2019 16:16

Tgt Ion: 75 Resp: 54617

Ion Ratio Lower Upper

75 100

53 0.0 73.2 109.8#

89 0.1 35.9 53.9#

