

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY110619\
 Data File : VY000556.D
 Acq On : 06 Nov 2019 17:01
 Operator : SY/MD
 Sample : K5725-01
 Misc : 3.70G/5ML/MSVOA Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SO-1

Quant Time: Nov 07 04:57:49 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	7.80	168	192125	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	333986	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	272034	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	92300	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.15	65	111973	56.32	ug/l	0.00
Spiked Amount			Recovery	=	112.64%	
35) Dibromofluoromethane	7.73	113	102273	52.16	ug/l	0.00
Spiked Amount			Recovery	=	104.32%	
50) Toluene-d8	10.18	98	381129	51.23	ug/l	0.00
Spiked Amount			Recovery	=	102.46%	
62) 4-Bromofluorobenzene	12.48	95	103587	36.57	ug/l	0.00
Spiked Amount			Recovery	=	73.14%	

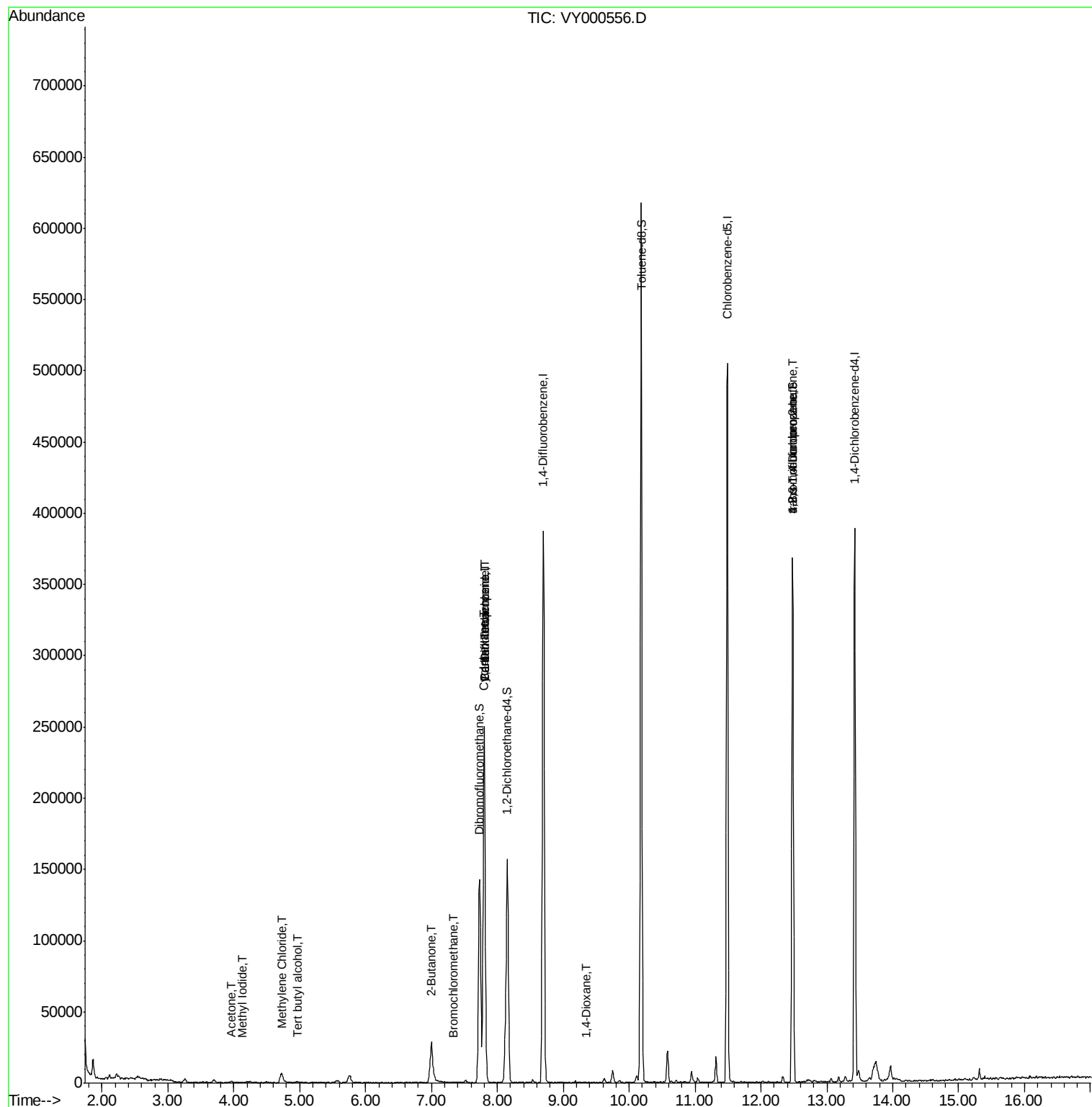
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.13	142	52	3.218	ug/l #	41
11) Tert butyl alcohol	4.97	59	646	3.338	ug/l	100
16) Acetone	3.96	43	1131	2.064	ug/l	90
20) Methylene Chloride	4.72	84	4815	2.051	ug/l	92
25) 2-Butanone	7.00	43	1680	1.921	ug/l #	79
28) Bromochloromethane	7.33	49	21	4.104	ug/l #	14
31) Cyclohexane	7.79	56	4433	1.152	ug/l #	61
36) 1,1-Dichloropropene	7.80	75	15039	4.763	ug/l #	49
38) Carbon Tetrachloride	7.80	117	18676	6.147	ug/l #	17
49) 1,4-Dioxane	9.35	88	19	1.127	ug/l #	27
76) 1,2,3-Trichloropropane	12.48	75	56685	53.936	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	56685	120.932	ug/l #	13

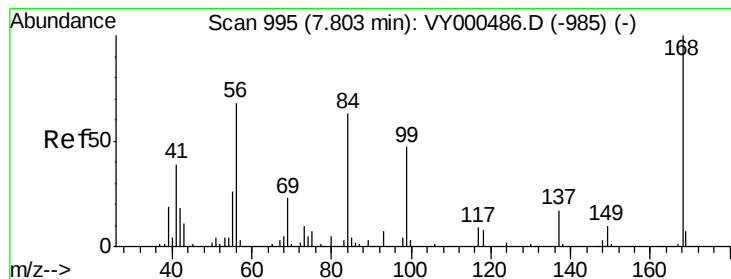
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.00 min

Lab File: VY000556.D

Acq: 06 Nov 2019 17:01

Instrument :

MSVOA_Y

ClientSampleId :

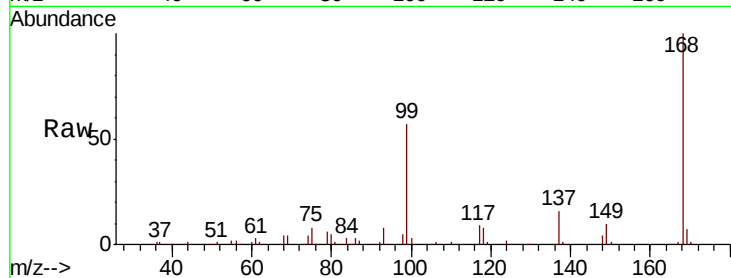
SO-1

Tot Ion:168 Resp: 192125

Ion Ratio Lower Upper

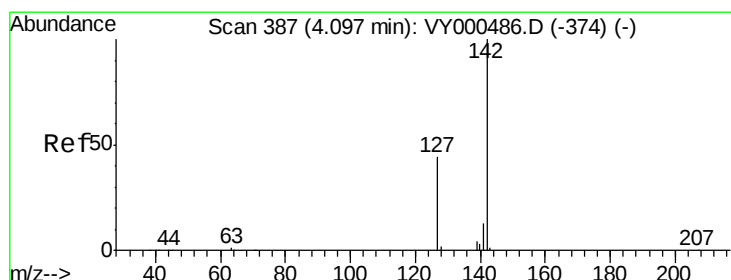
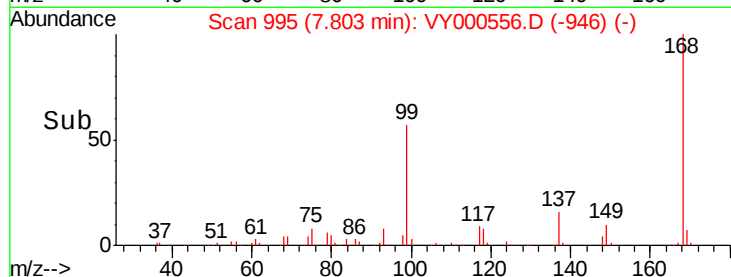
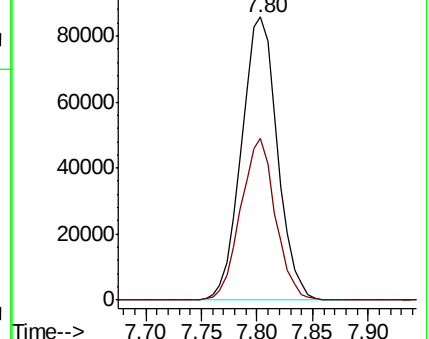
168 100

99 57.0 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: 3.218 ug/l

RT: 4.13 min Scan# 392

Delta R.T. 0.03 min

Lab File: VY000556.D

Acq: 06 Nov 2019 17:01

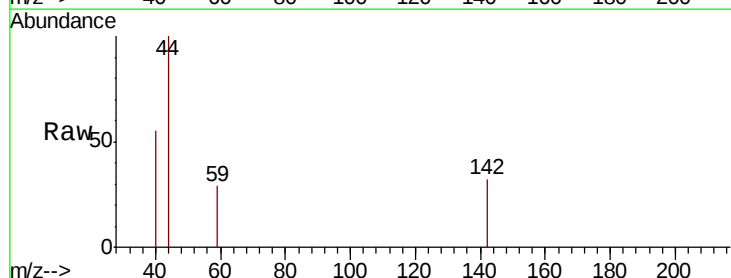
Tgt Ion:142 Resp: 52

Ion Ratio Lower Upper

142 100

127 0.0 33.7 50.5#

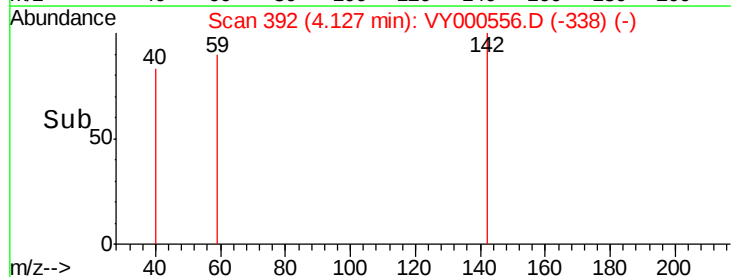
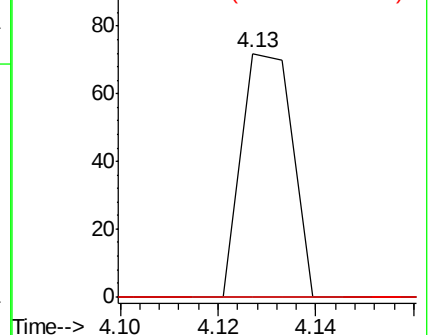
141 0.0 10.9 16.3#

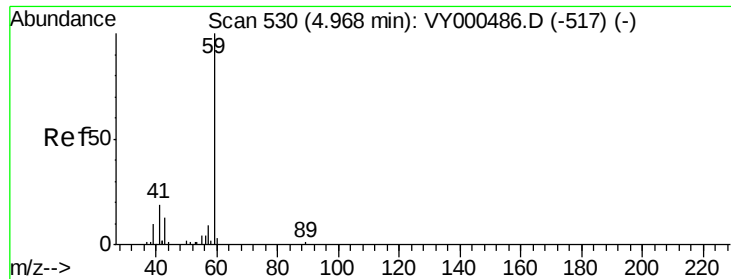


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

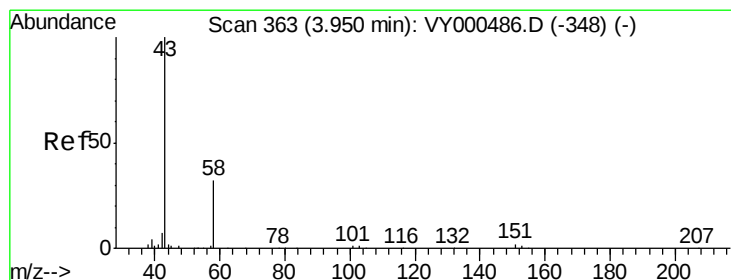
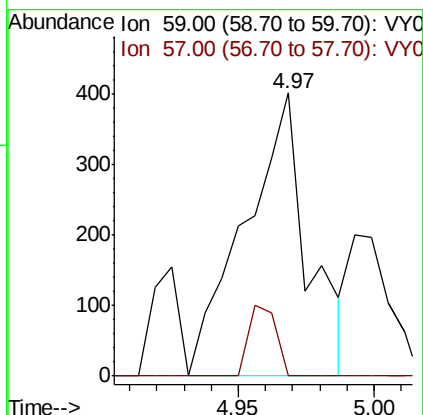
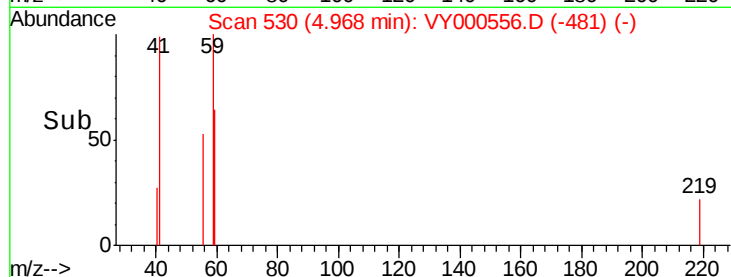
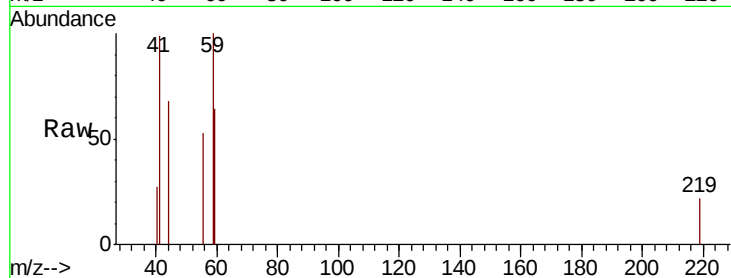




#11
Tert butvl alcohol
Concen: 3.338 ug/l
RT: 4.97 min Scan# 530
Delta R.T. 0.00 min
Lab File: VY000556.D
Acq: 06 Nov 2019 17:01

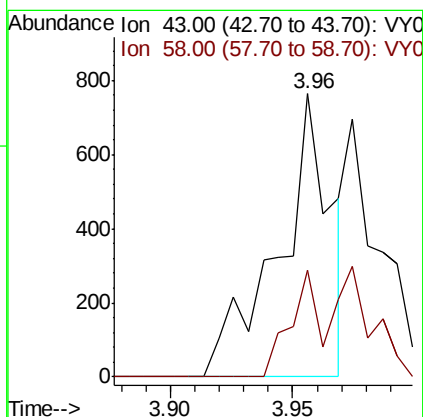
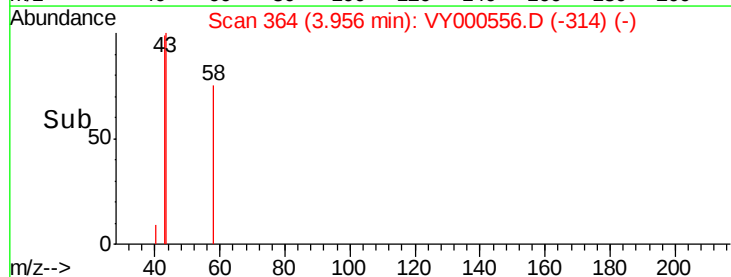
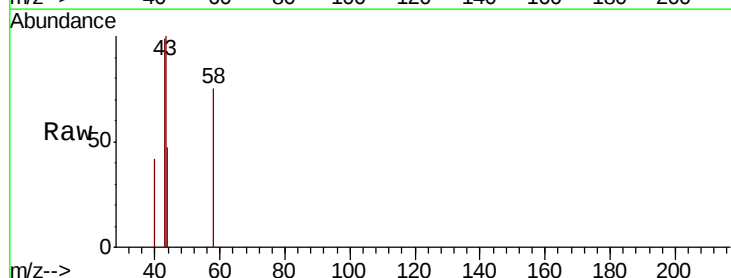
Instrument :
MSVOA_Y
ClientSampled :
SO-1

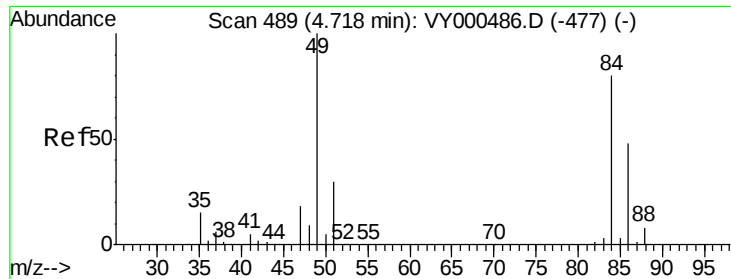
Tot Ion: 59 Resp: 646
Ion Ratio Lower Upper
59 100
57 10.8 8.6 12.8



#16
Acetone
Concen: 2.064 ug/l
RT: 3.96 min Scan# 364
Delta R.T. 0.01 min
Lab File: VY000556.D
Acq: 06 Nov 2019 17:01

Tgt Ion: 43 Resp: 1131
Ion Ratio Lower Upper
43 100
58 37.7 25.8 38.6

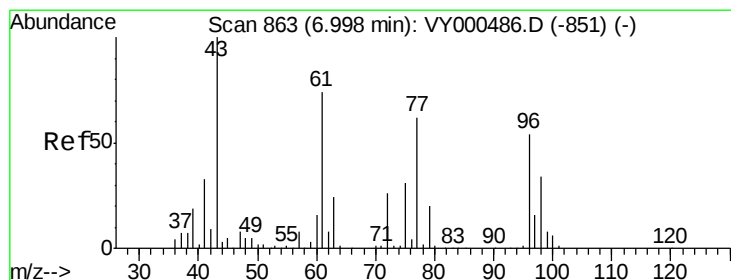
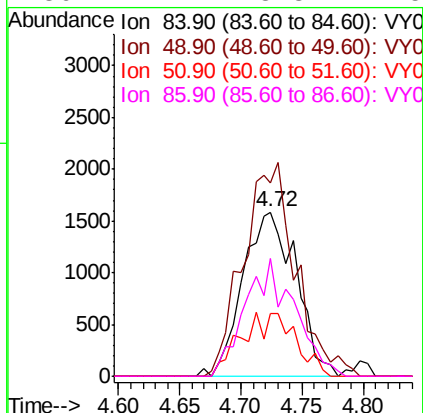
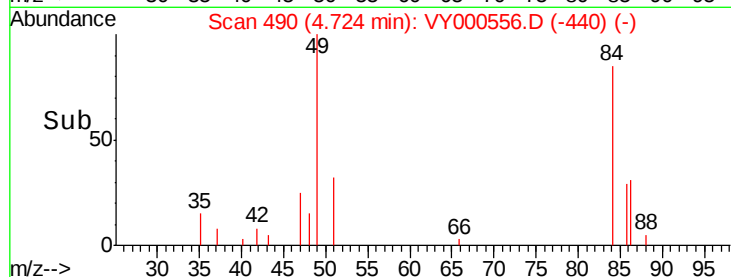
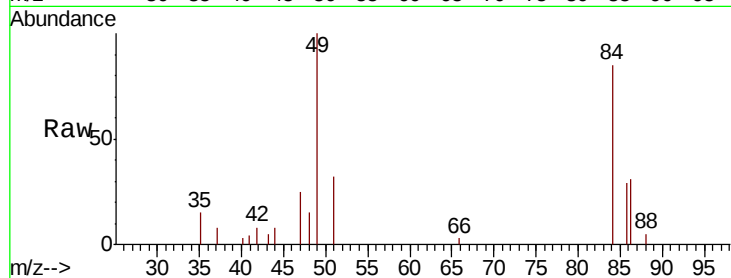




#20
Methvlene Chloride
Concen: 2.051 ug/l
RT: 4.72 min Scan# 490
Delta R.T. 0.01 min
Lab File: VY000556.D
Acq: 06 Nov 2019 17:01

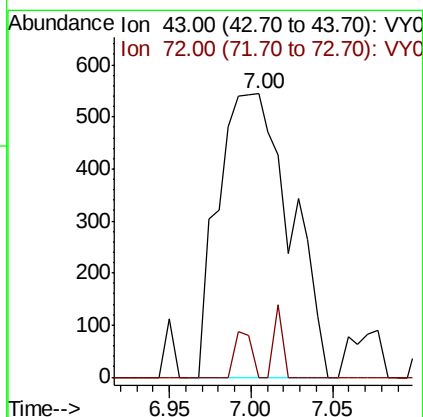
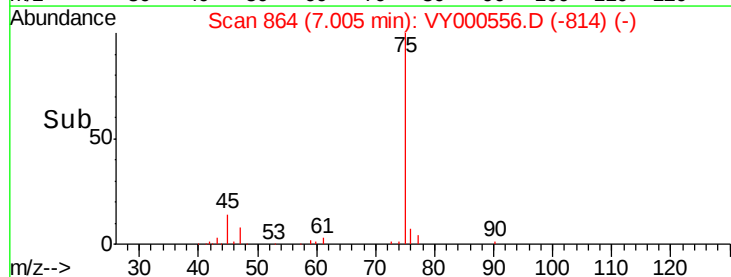
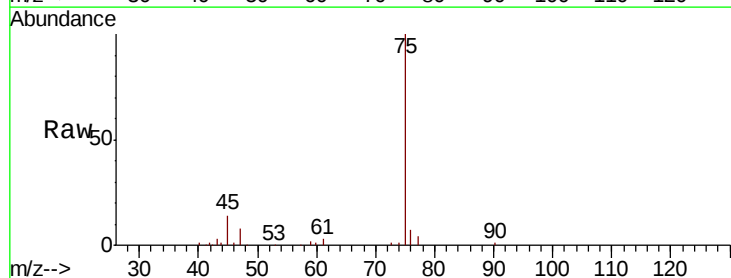
Instrument :
MSVOA_Y
ClientSampled :
SO-1

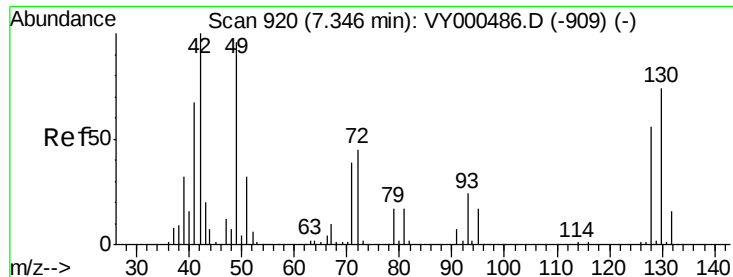
Tot Ion:	84	Resp:	4815
Ion	Ratio	Lower	Upper
84	100		
49	117.6	100.2	150.4
51	38.1	29.6	44.4
86	71.4	48.3	72.5



#25
2-Butanone
Concen: 1.921 ug/l
RT: 7.00 min Scan# 864
Delta R.T. 0.01 min
Lab File: VY000556.D
Acq: 06 Nov 2019 17:01

Tgt Ion:	43	Resp:	1680
Ion	Ratio	Lower	Upper
43	100		
72	15.6	20.9	31.3#





#28

Bromochloromethane

Concen: 4.104 ug/l

RT: 7.33 min Scan# 917

Delta R.T. -0.02 min

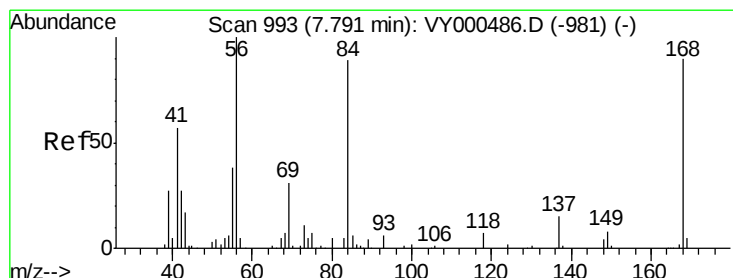
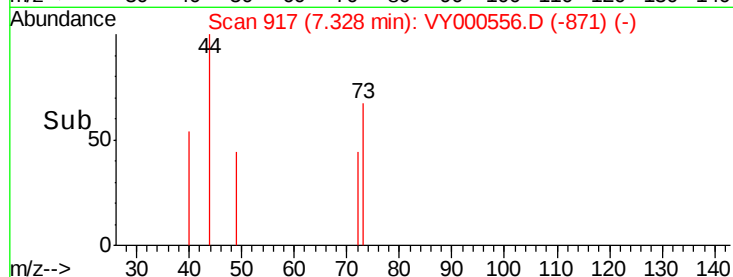
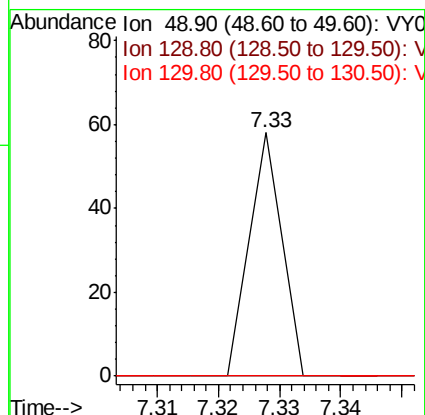
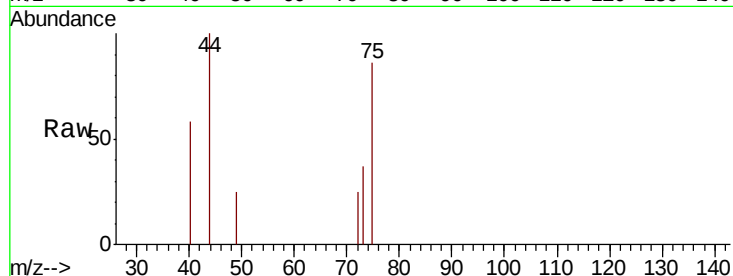
Lab File: VY000556.D

Acq: 06 Nov 2019 17:01

Instrument :
MSVOA_Y
ClientSampleId :
SO-1

Tot Ion: 49 Resp: 21

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.6
130	0.0	59.4	89.0#



#31

Cyclohexane

Concen: 1.152 ug/l

RT: 7.79 min Scan# 993

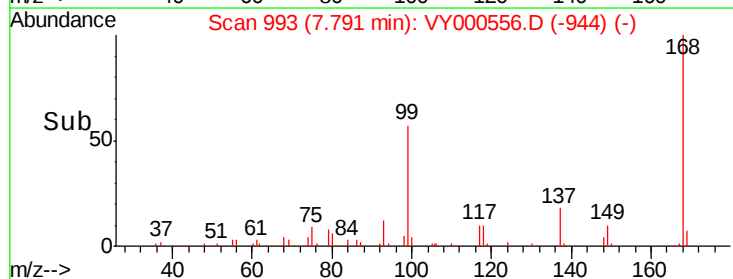
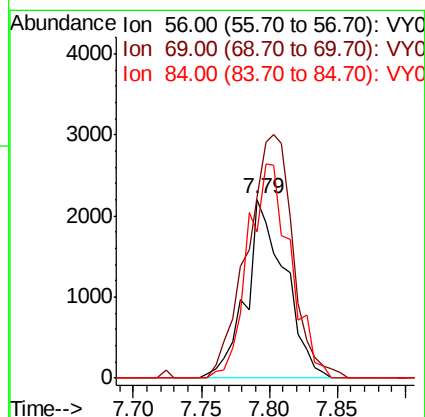
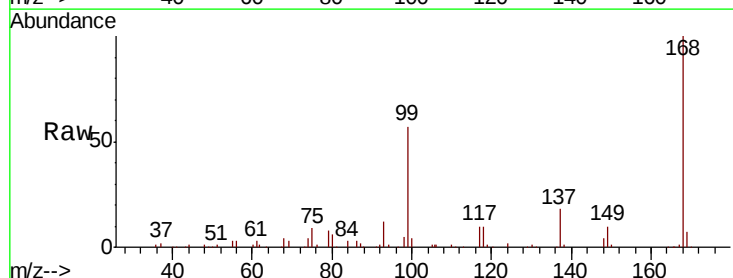
Delta R.T. 0.00 min

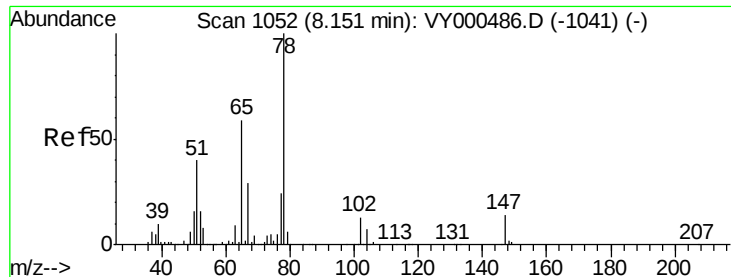
Lab File: VY000556.D

Acq: 06 Nov 2019 17:01

Tgt Ion: 56 Resp: 4433

Ion	Ratio	Lower	Upper
56	100		
69	101.1	25.0	37.6#
84	81.9	71.4	107.2

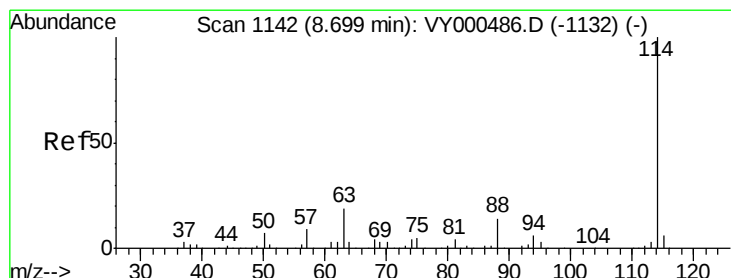
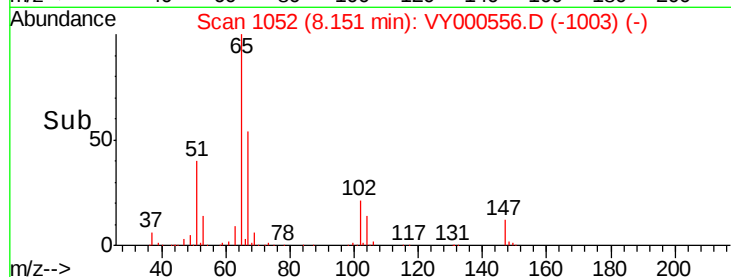
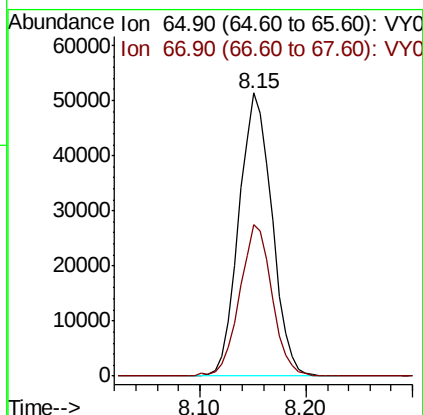
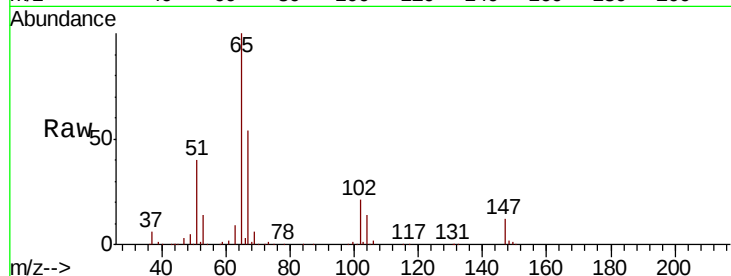




#33
 1,2-Dichloroethane-d4
 Concen: 56.318 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. 0.00 min
 Lab File: VY000556.D
 Acq: 06 Nov 2019 17:01

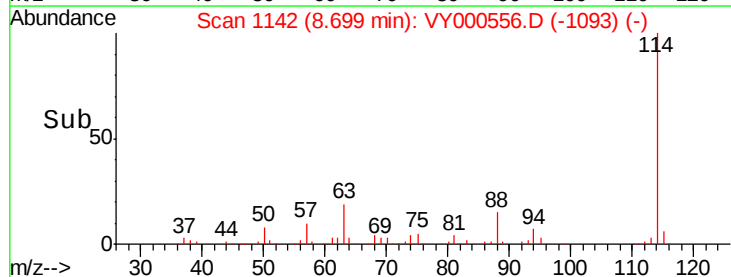
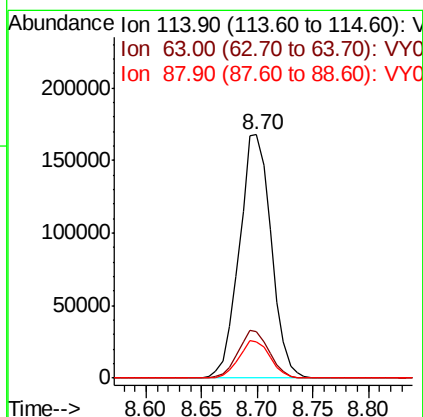
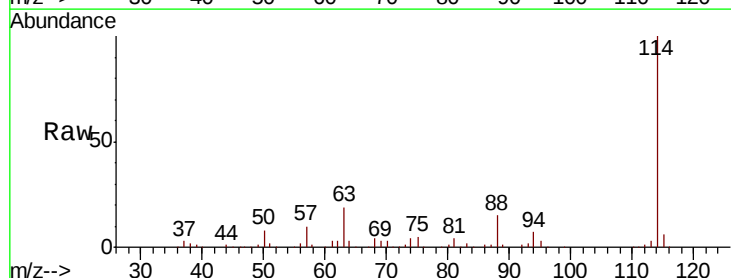
Instrument :
 MSVOA_Y
 ClientSampled :
 SO-1

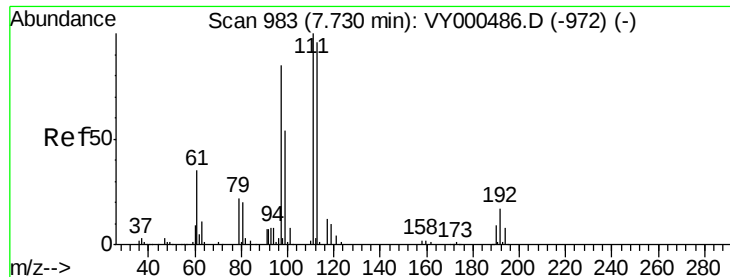
Tot Ion: 65 Resp: 111973
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. 0.00 min
 Lab File: VY000556.D
 Acq: 06 Nov 2019 17:01

Tgt Ion: 114 Resp: 333986
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 38.0
 88 15.0 0.0 28.6





#35

Dibromofluoromethane

Concen: 52.161 ug/l

RT: 7.73 min Scan# 983

Delta R.T. 0.00 min

Lab File: VY000556.D

Acq: 06 Nov 2019 17:01

Instrument :

MSVOA_Y

ClientSampled :

SO-1

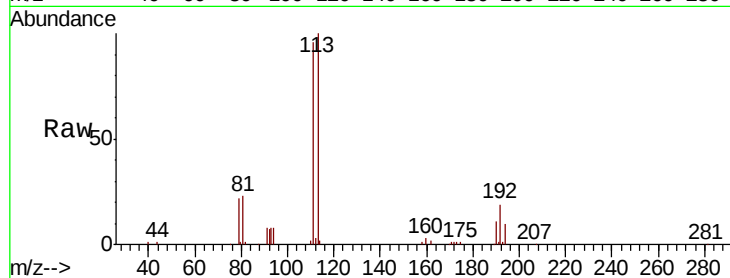
Tot Ion:113 Resp: 102273

Ion Ratio Lower Upper

113 100

111 99.9 81.7 122.5

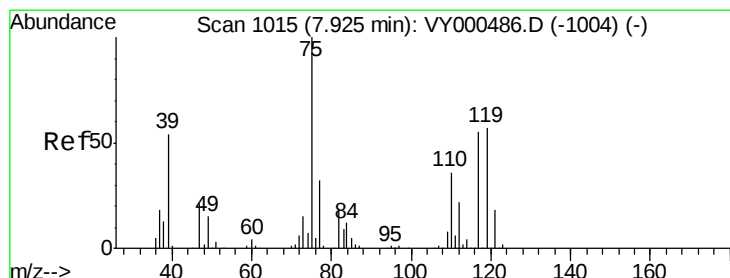
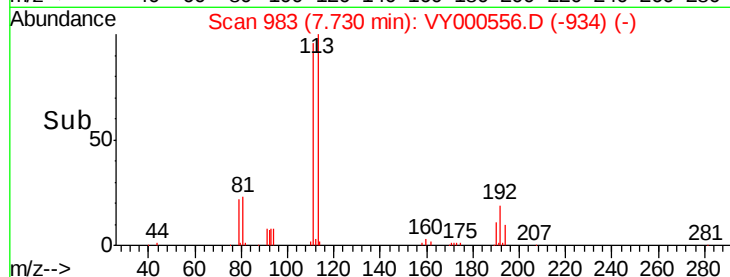
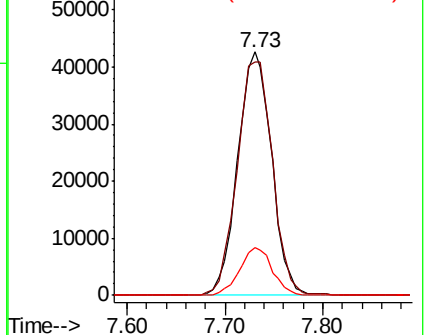
192 18.9 15.0 22.4



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: 4.763 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.12 min

Lab File: VY000556.D

Acq: 06 Nov 2019 17:01

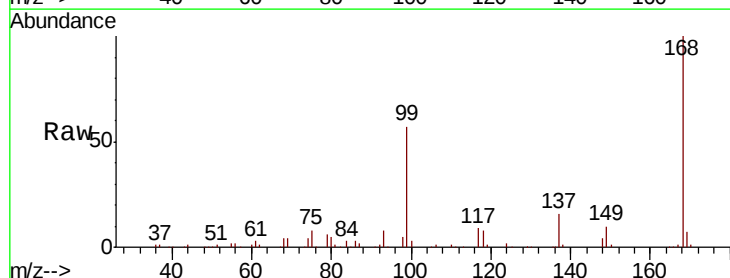
Tgt Ion: 75 Resp: 15039

Ion Ratio Lower Upper

75 100

110 8.8 18.1 54.1#

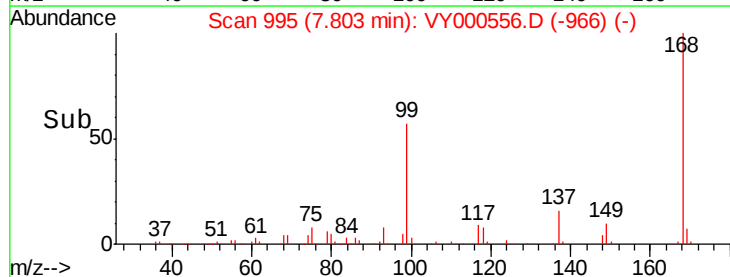
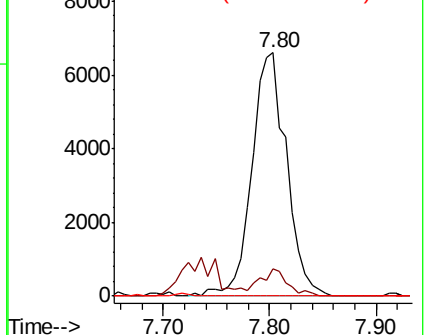
77 0.0 25.0 37.6#

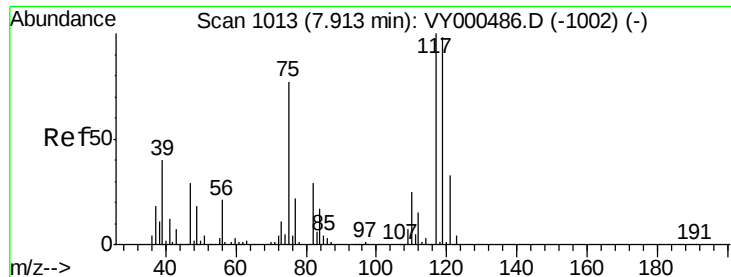


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0





#38

Carbon Tetrachloride

Concen: 6.147 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.12 min

Lab File: VY000556.D

Acq: 06 Nov 2019 17:01

Instrument :

MSVOA_Y

ClientSampled :

SO-1

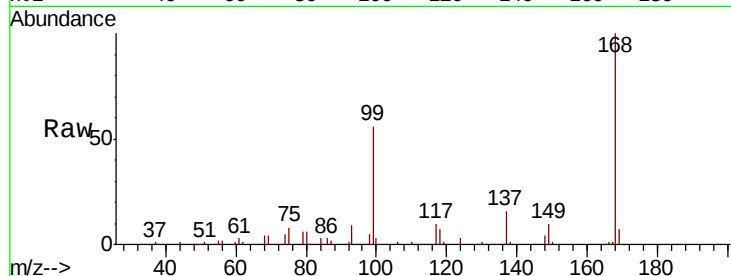
Tot Ion:117 Resp: 18676

Ion Ratio Lower Upper

117 100

119 7.4 78.0 117.0#

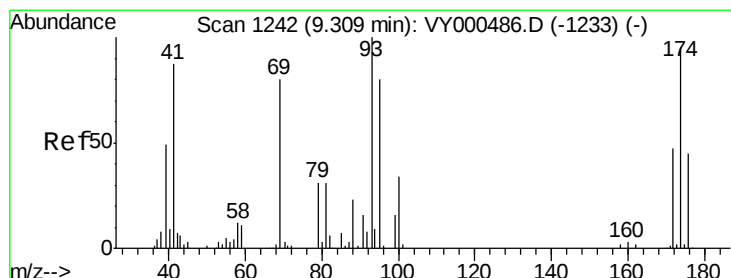
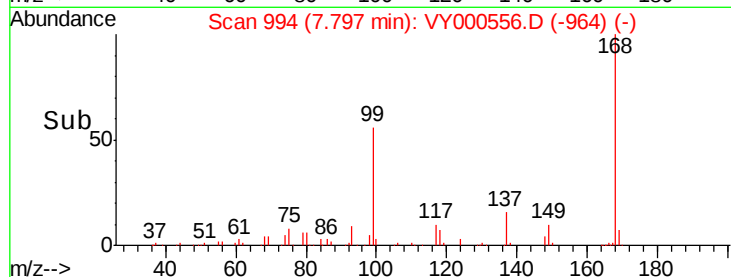
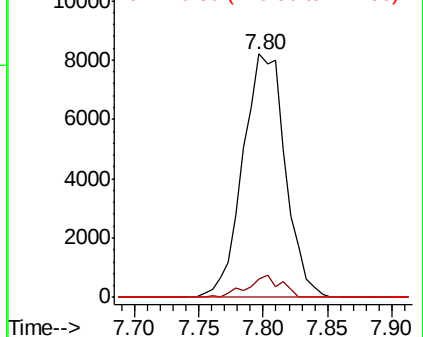
121 0.0 26.6 40.0#



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



#49

1,4-Dioxane

Concen: 1.127 ug/l

RT: 9.35 min Scan# 1249

Delta R.T. 0.04 min

Lab File: VY000556.D

Acq: 06 Nov 2019 17:01

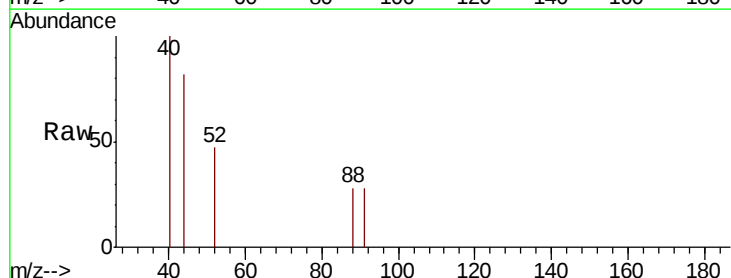
Tgt Ion: 88 Resp: 19

Ion Ratio Lower Upper

88 100

43 0.0 25.1 37.7#

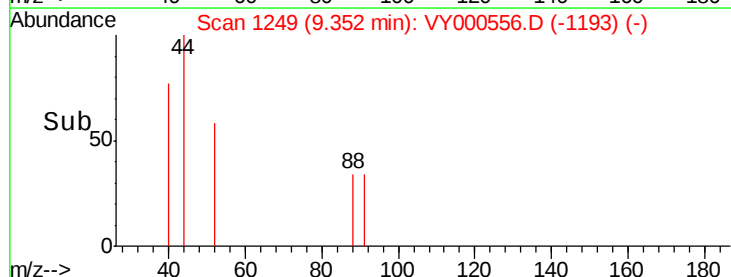
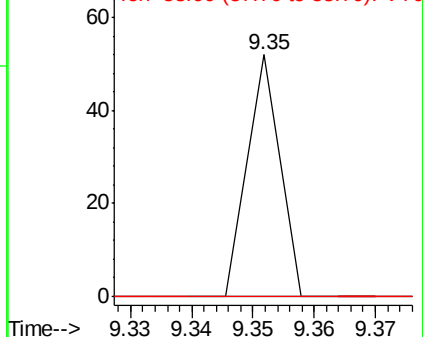
58 0.0 50.6 75.8#

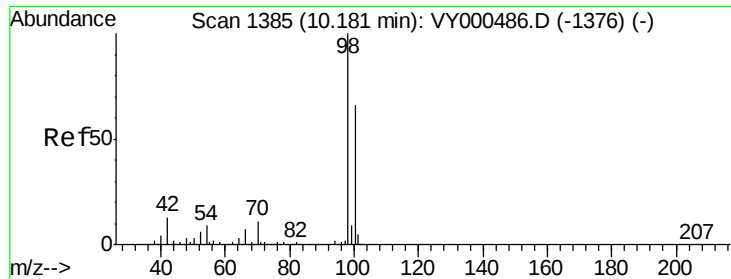


Abundance Ion 88.00 (87.70 to 88.70): VY0

Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0





#50

Toluene-d8

Concen: 51.228 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VY000556.D

Acq: 06 Nov 2019 17:01

Instrument :

MSVOA_Y

ClientSampled :

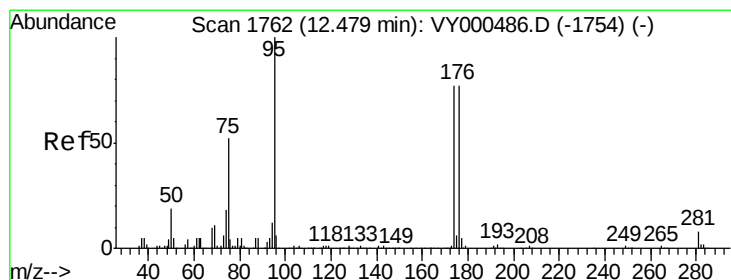
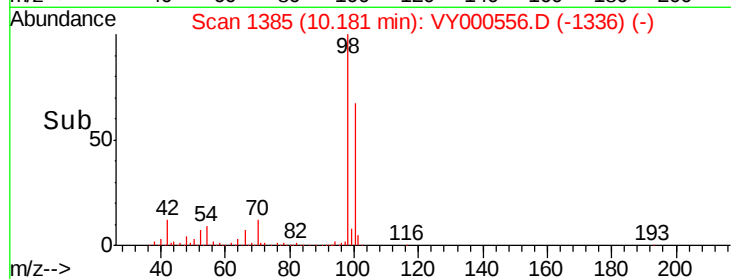
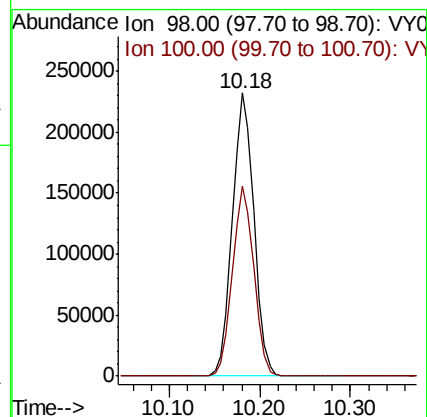
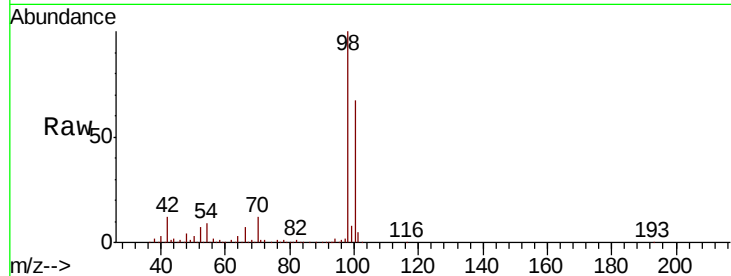
SO-1

Tot Ion: 98 Resp: 381129

Ion Ratio Lower Upper

98 100

100 66.8 52.9 79.3



#62

4-Bromofluorobenzene

Concen: 36.573 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY000556.D

Acq: 06 Nov 2019 17:01

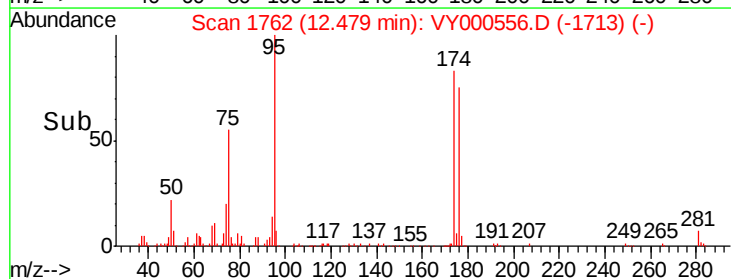
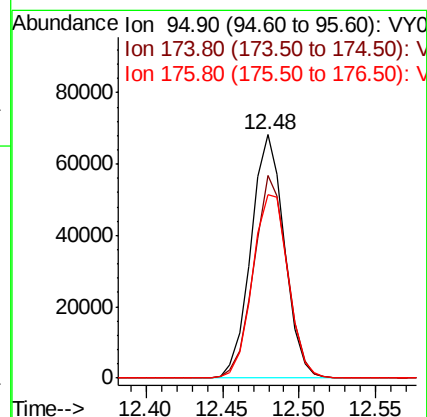
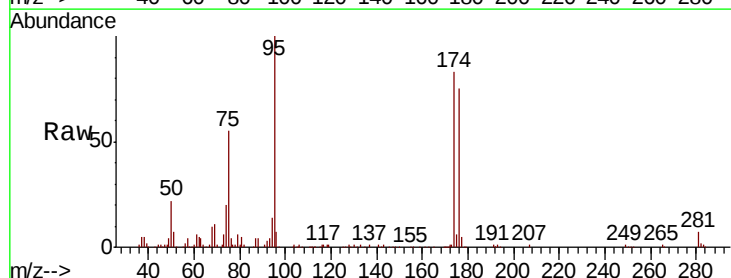
Tgt Ion: 95 Resp: 103587

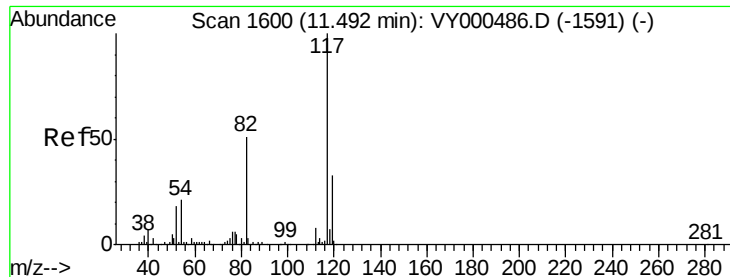
Ion Ratio Lower Upper

95 100

174 83.0 0.0 161.6

176 80.8 0.0 157.8

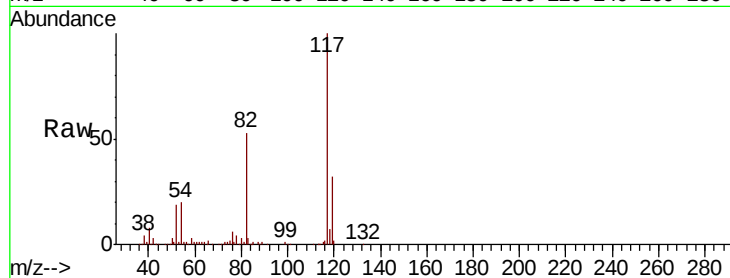




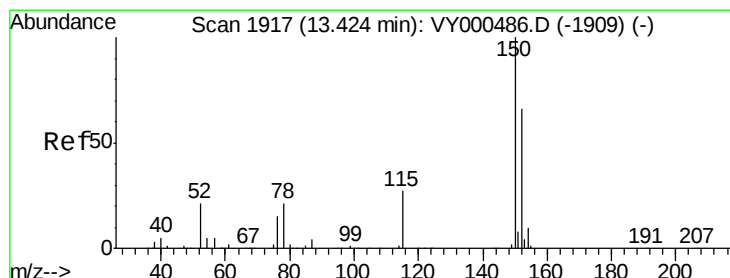
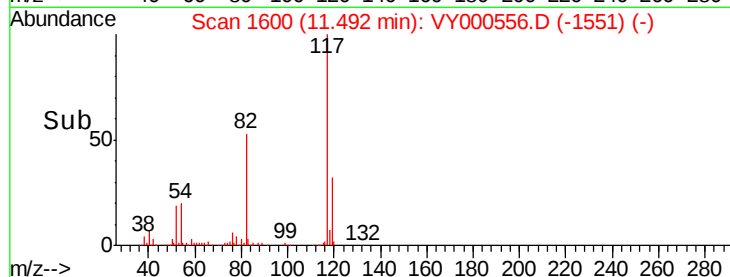
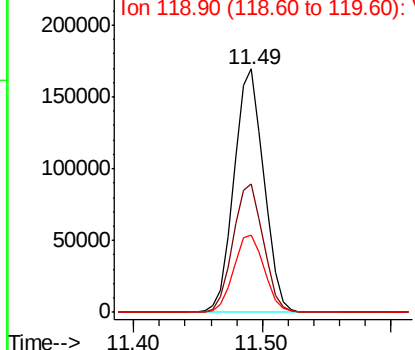
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VY000556.D
Acq: 06 Nov 2019 17:01

Instrument :
MSVOA_Y
ClientSampleId :
SO-1

Tot Ion:117 Resp: 272034
Ion Ratio Lower Upper
117 100
82 52.6 40.8 61.2
119 31.6 26.2 39.2

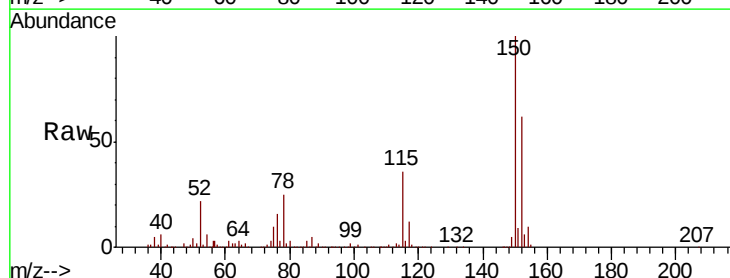


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

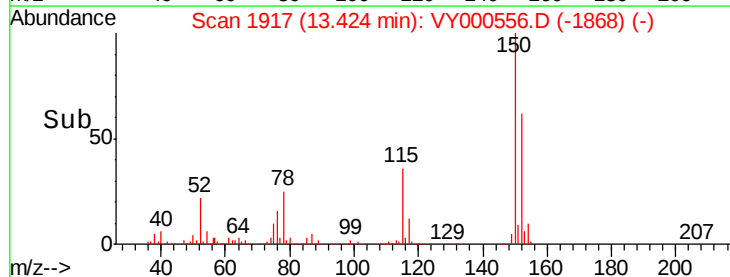
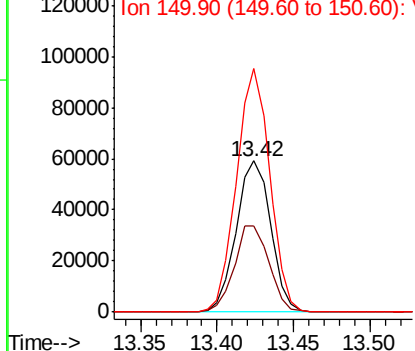


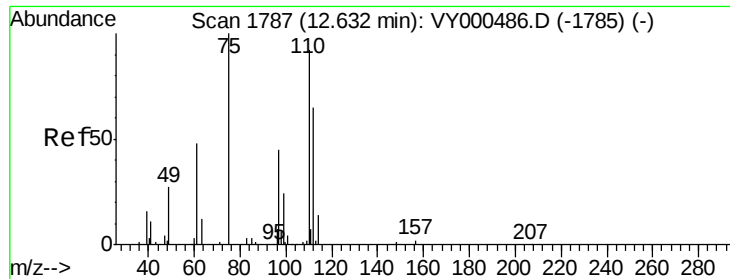
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. 0.00 min
Lab File: VY000556.D
Acq: 06 Nov 2019 17:01

Tgt Ion:152 Resp: 92300
Ion Ratio Lower Upper
152 100
115 57.8 29.1 87.4
150 155.9 0.0 348.8



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: 53.936 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY000556.D

Acq: 06 Nov 2019 17:01

Instrument :

MSVOA_Y

ClientSampleId :

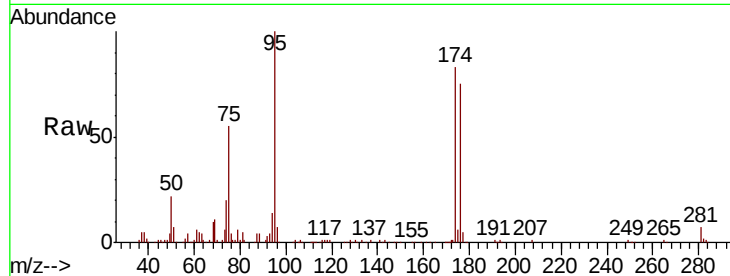
SO-1

Tot Ion: 75 Resp: 56685

Ion Ratio Lower Upper

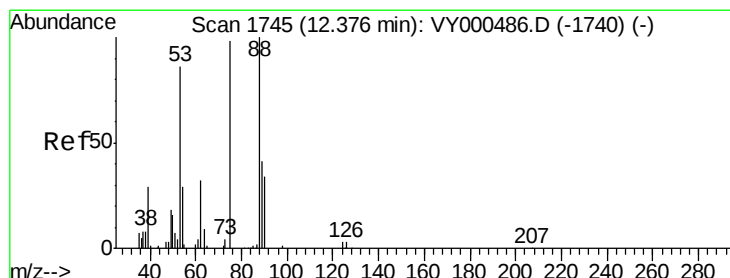
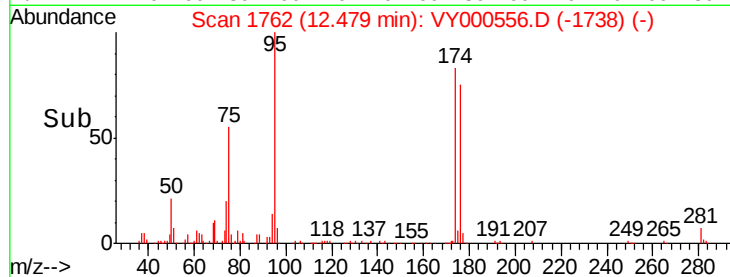
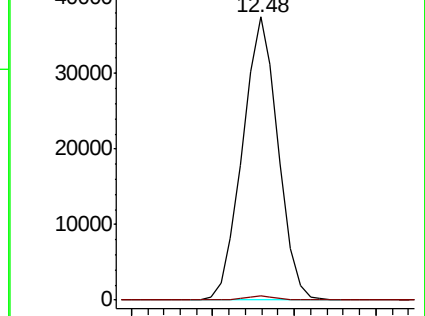
75 100

77 1.4 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: 120.932 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000556.D

Acq: 06 Nov 2019 17:01

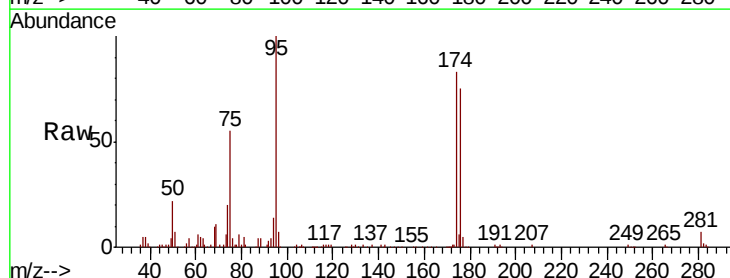
Tgt Ion: 75 Resp: 56685

Ion Ratio Lower Upper

75 100

53 0.0 73.2 109.8#

89 0.2 35.9 53.9#



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

