

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY030520\
 Data File : VY001869.D
 Acq On : 05 Mar 2020 10:20
 Operator : SY/MD
 Sample : VY0305SBL01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Mar 06 04:35:34 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	7.81	168	143175	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	274154	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	248887	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	107892	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	88864	58.14	ug/l	0.00
Spiked Amount			Recovery	=	116.28%	
35) Dibromofluoromethane	7.74	113	82150	54.88	ug/l	0.00
Spiked Amount			Recovery	=	109.76%	
50) Toluene-d8	10.19	98	332698	52.70	ug/l	0.00
Spiked Amount			Recovery	=	105.40%	
62) 4-Bromofluorobenzene	12.48	95	113921	51.90	ug/l	0.00
Spiked Amount			Recovery	=	103.80%	

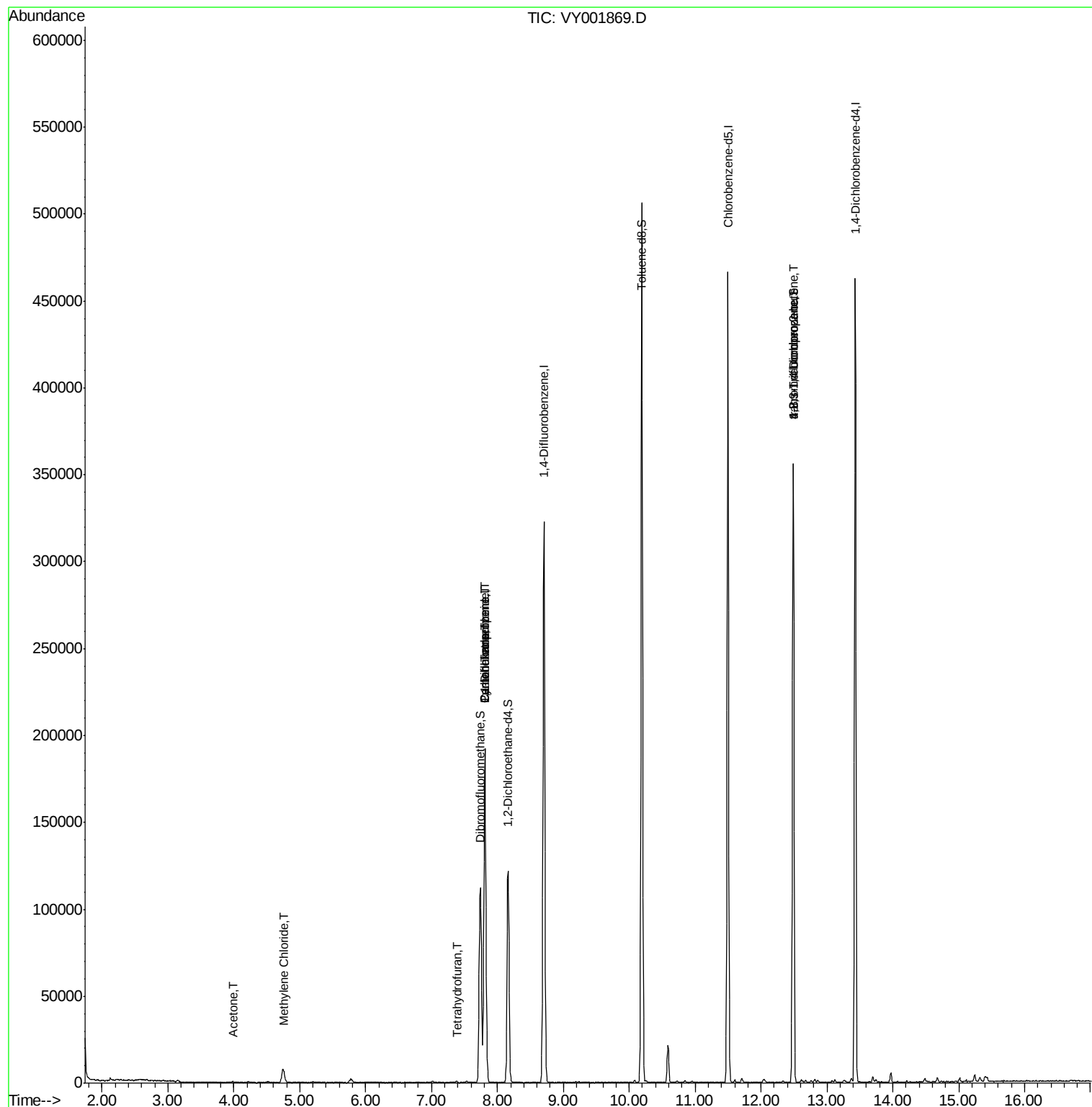
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.68	94	275	Below Cal	#	66
11) Tert butyl alcohol	4.99	59	210	Below Cal	#	74
16) Acetone	3.98	43	1284	2.884	ug/l	97
20) Methylene Chloride	4.76	84	6054	3.173	ug/l #	77
29) Tetrahydrofuran	7.38	42	517	1.150	ug/l #	59
31) Cyclohexane	7.81	56	3744	1.115	ug/l #	6
36) 1,1-Dichloropropene	7.81	75	12022	4.557	ug/l #	50
38) Carbon Tetrachloride	7.81	117	14795	6.565	ug/l #	18
58) 2-Chloroethyl Vinyl ether	9.78	63	231	Below Cal	#	48
76) 1,2,3-Trichloropropane	12.49	75	56771	44.345	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	56771	89.575	ug/l #	17

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

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ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :

Quant Time: Mar 06 04:35:34 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: 7.81 min Scan# 996

Delta R.T. -0.01 min

Lab File: VY001869.D

Acq: 05 Mar 2020 10:20

Instrument :

MSVOA_Y

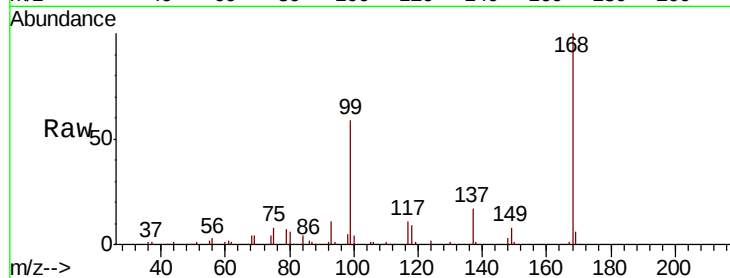
ClientSampleId :

Tot Ion:168 Resp: 143175

Ion Ratio Lower Upper

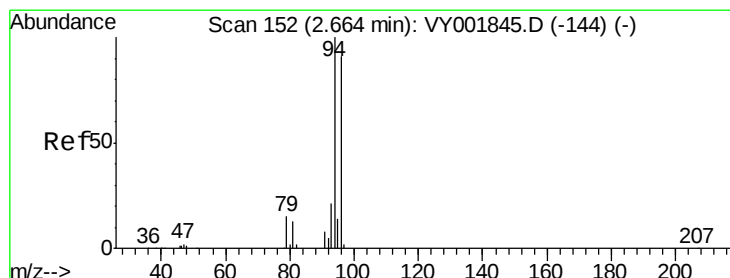
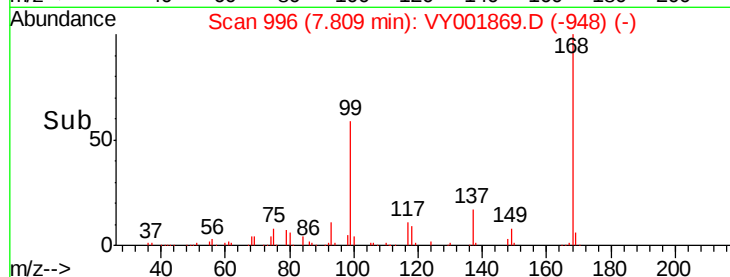
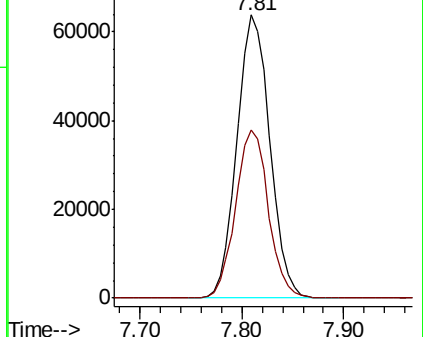
168 100

99 59.2 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) (-)



#5

Bromomethane

Concen: Below Cal

RT: 2.68 min Scan# 154

Delta R.T. 0.01 min

Lab File: VY001869.D

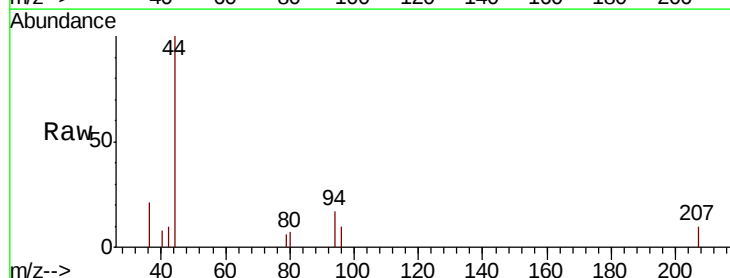
Acq: 05 Mar 2020 10:20

Tgt Ion: 94 Resp: 275

Ion Ratio Lower Upper

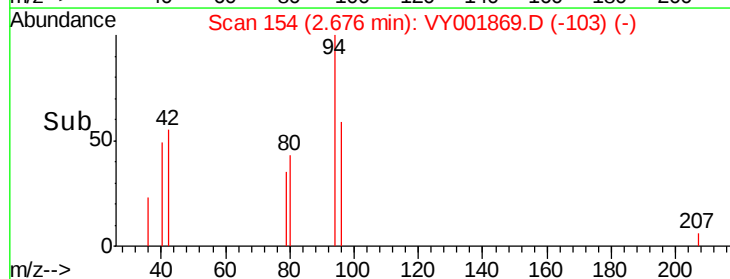
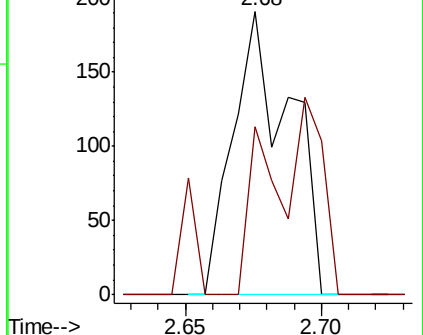
94 100

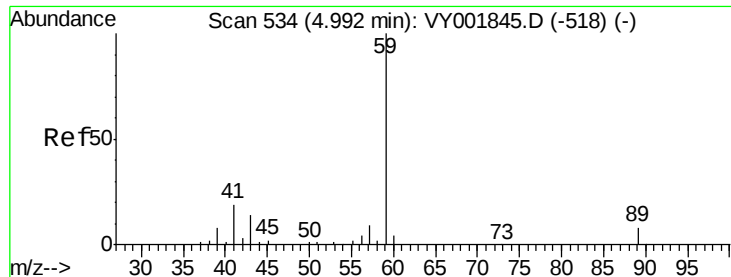
96 59.2 73.2 109.8#



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

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

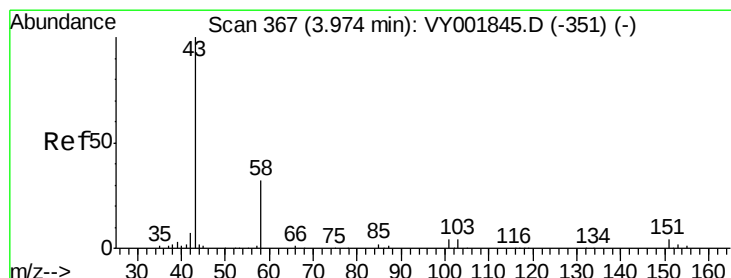
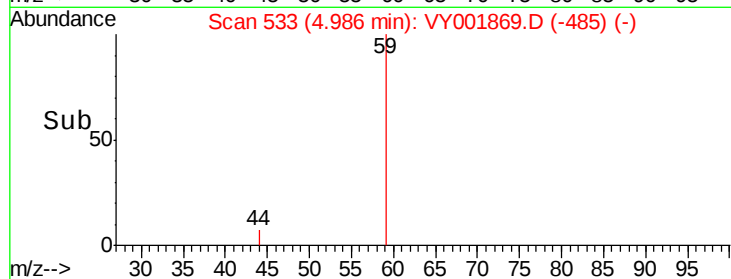
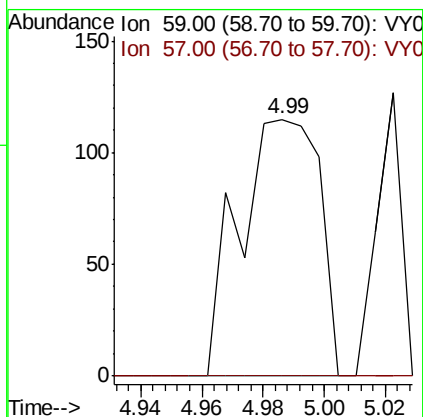
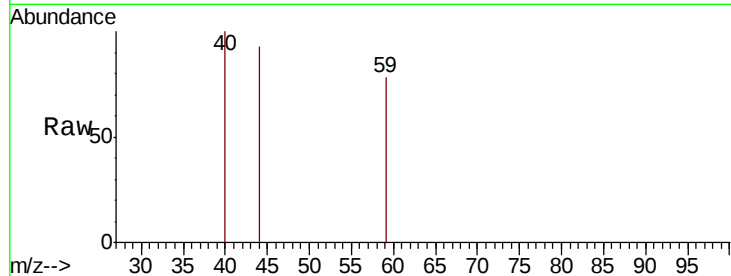




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.99 min Scan# 533
Delta R.T. -0.01 min
Lab File: VY001869.D
Acq: 05 Mar 2020 10:20

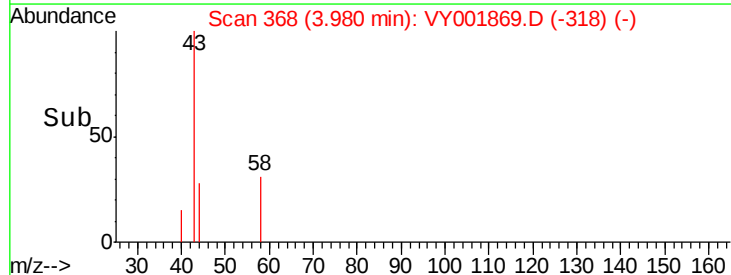
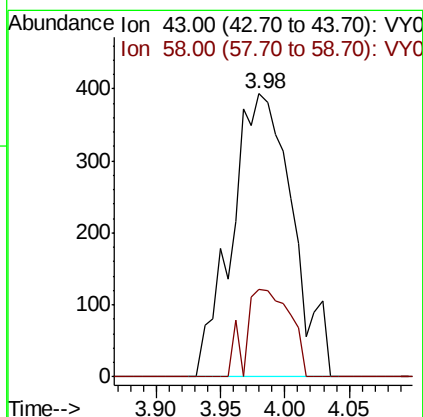
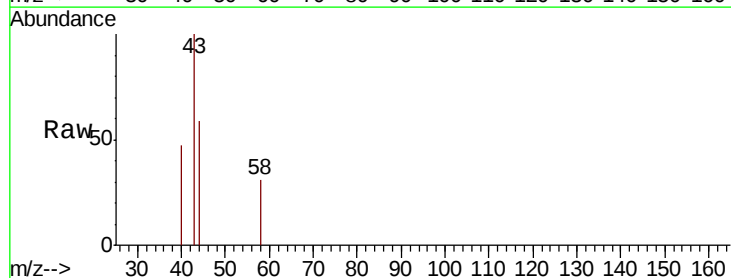
Instrument :
MSVOA_Y
ClientSampled :

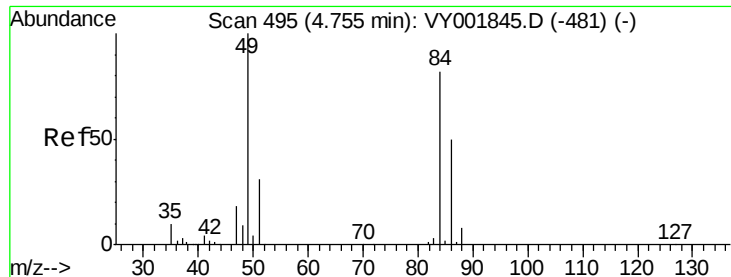
Tot Ion: 59 Resp: 210
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#



#16
Acetone
Concen: 2.884 ug/l
RT: 3.98 min Scan# 368
Delta R.T. 0.01 min
Lab File: VY001869.D
Acq: 05 Mar 2020 10:20

Tgt Ion: 43 Resp: 1284
Ion Ratio Lower Upper
43 100
58 30.8 25.9 38.9

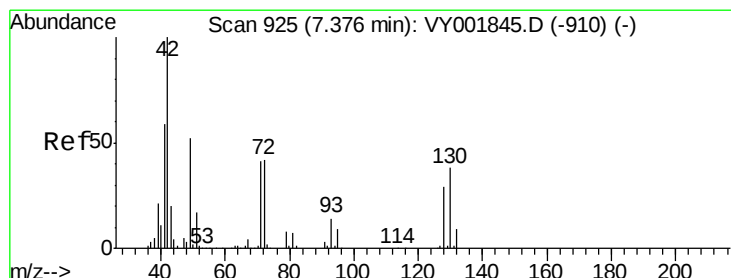
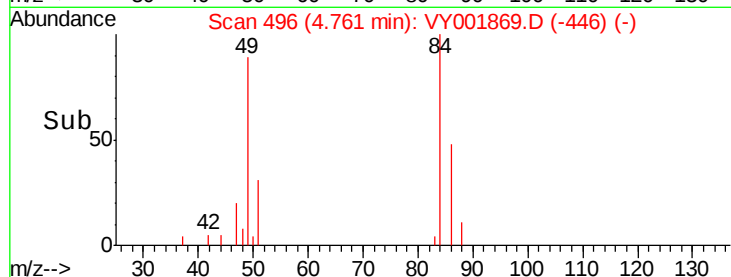
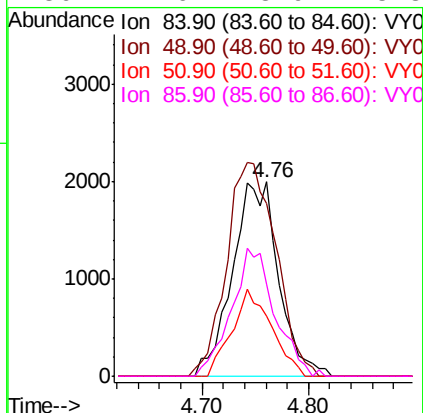
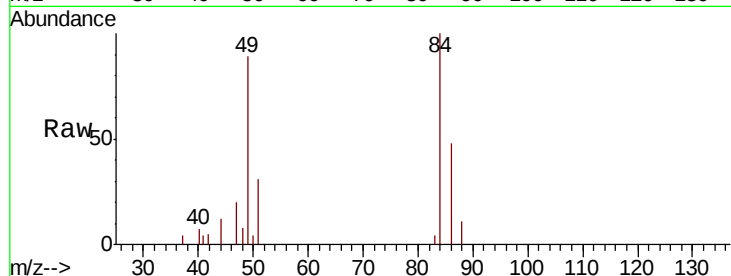




#20
Methylene Chloride
Concen: 3.173 ug/l
RT: 4.76 min Scan# 496
Delta R.T. 0.01 min
Lab File: VY001869.D
Acq: 05 Mar 2020 10:20

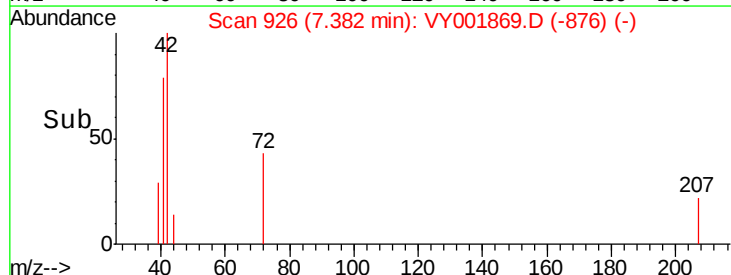
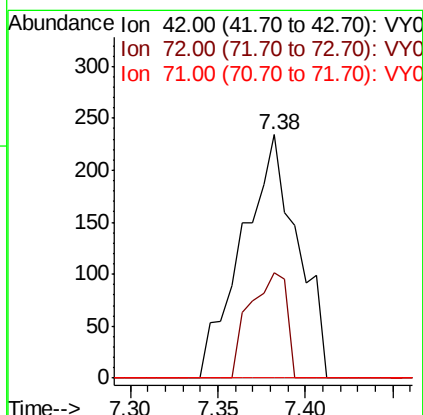
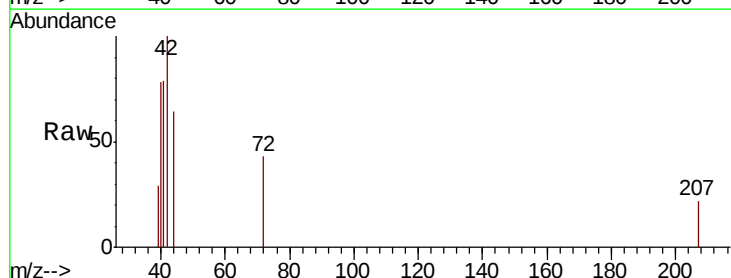
Instrument :
MSVOA_Y
ClientSampleId :

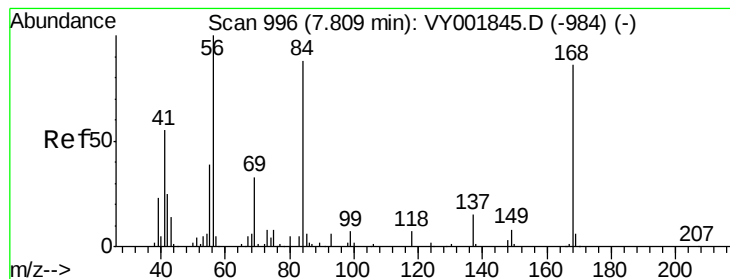
Tot Ion: 84 Resp: 6054
Ion Ratio Lower Upper
84 100
49 89.1 98.2 147.2#
51 31.2 30.2 45.2
86 47.6 48.9 73.3#



#29
Tetrahydrofuran
Concen: 1.150 ug/l
RT: 7.38 min Scan# 926
Delta R.T. 0.01 min
Lab File: VY001869.D
Acq: 05 Mar 2020 10:20

Tgt Ion: 42 Resp: 517
Ion Ratio Lower Upper
42 100
72 29.4 33.5 50.3#
71 0.0 31.3 46.9#





#31

Cyclohexane

Concen: 1.115 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.00 min

Lab File: VY001869.D

Acq: 05 Mar 2020 10:20

Instrument :
MSVOA_Y
ClientSampled :

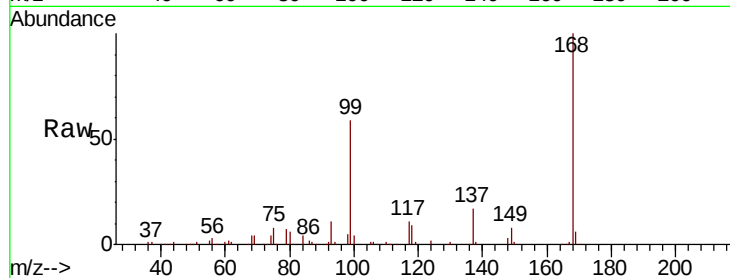
Tot Ion: 56 Resp: 3744

Ion Ratio Lower Upper

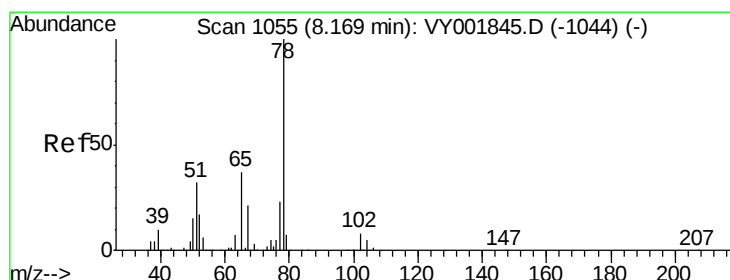
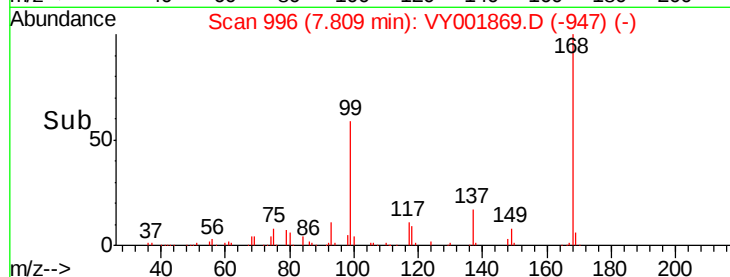
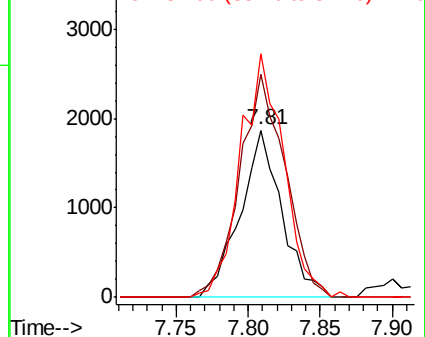
56 100

69 133.9 26.7 40.1#

84 145.8 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: 58.138 ug/l

RT: 8.16 min Scan# 1054

Delta R.T. -0.01 min

Lab File: VY001869.D

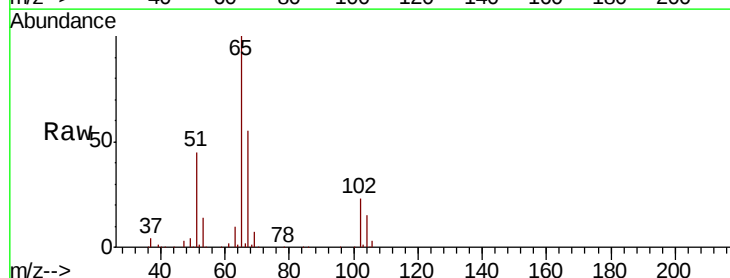
Acq: 05 Mar 2020 10:20

Tgt Ion: 65 Resp: 88864

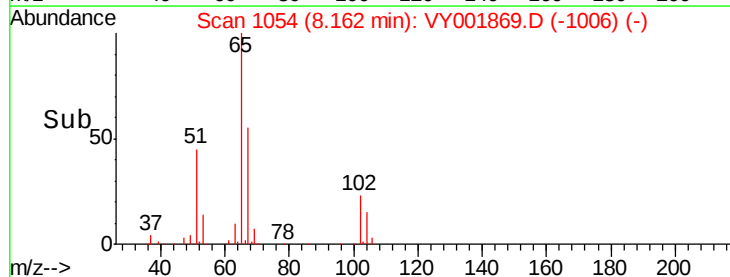
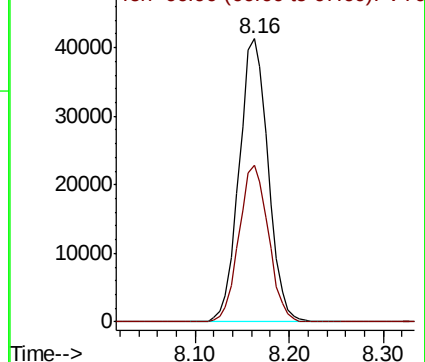
Ion Ratio Lower Upper

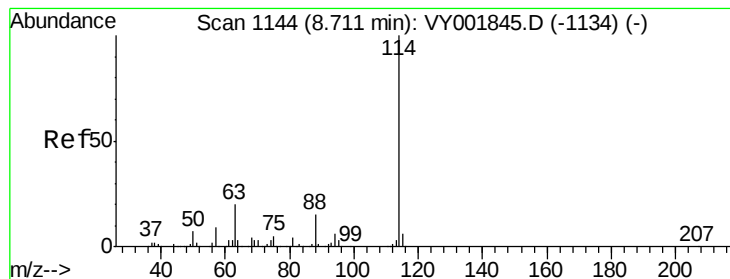
65 100

67 56.2 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: 8.71 min Scan# 1143

Delta R.T. -0.01 min

Lab File: VY001869.D

Acq: 05 Mar 2020 10:20

Instrument :
MSVOA_Y
ClientSampleId :

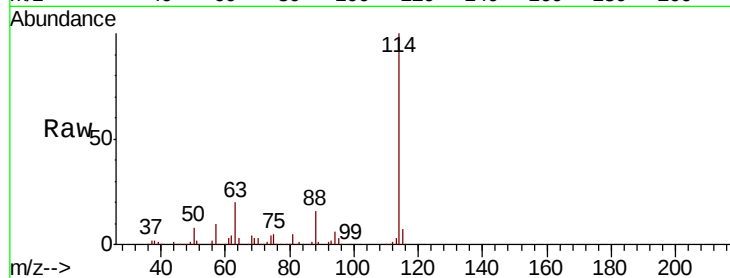
Tot Ion:114 Resp: 274154

Ion Ratio Lower Upper

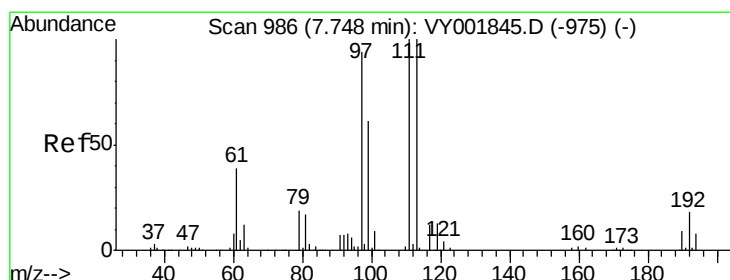
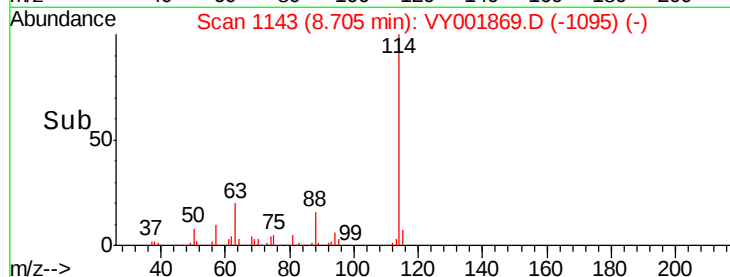
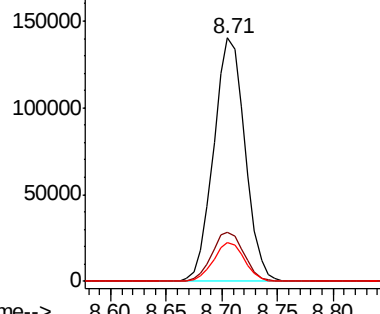
114 100

63 20.3 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: 54.876 ug/l

RT: 7.74 min Scan# 985

Delta R.T. -0.01 min

Lab File: VY001869.D

Acq: 05 Mar 2020 10:20

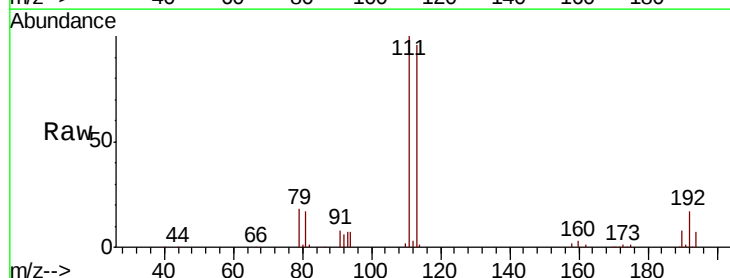
Tgt Ion:113 Resp: 82150

Ion Ratio Lower Upper

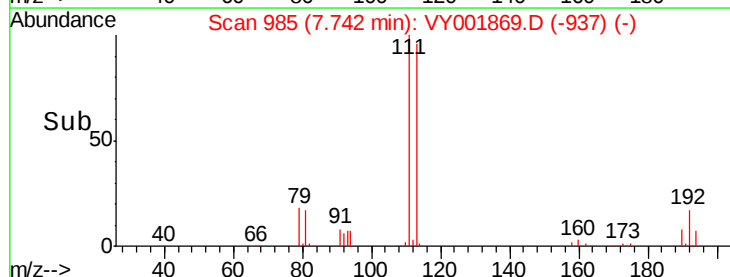
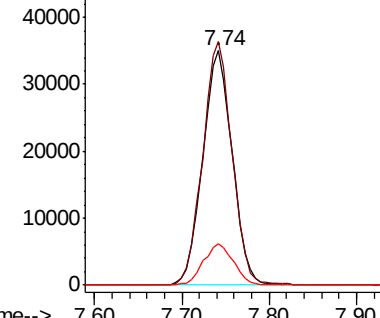
113 100

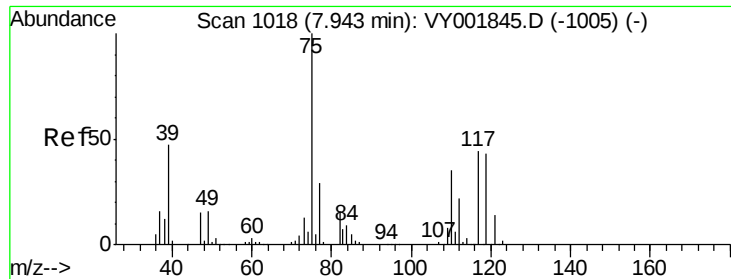
111 103.1 81.8 122.8

192 17.8 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

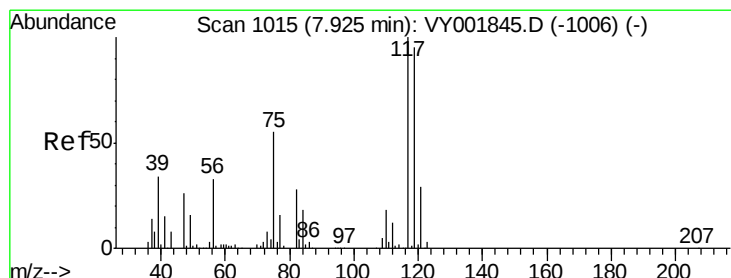
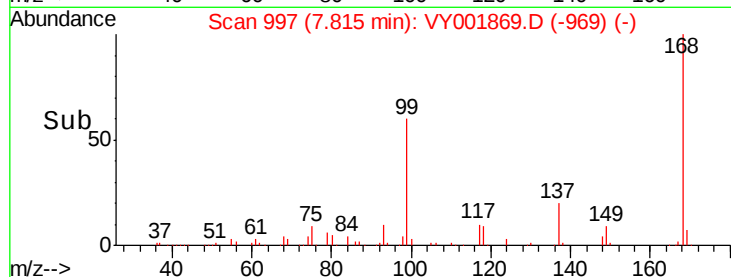
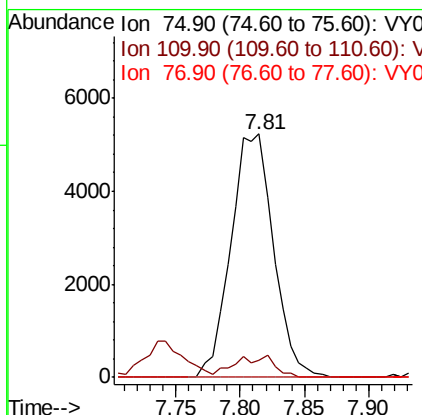
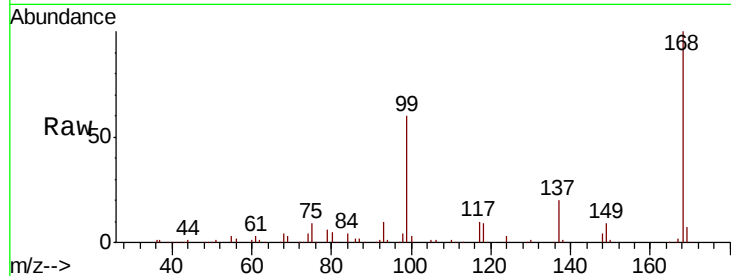




#36
 1,1-Dichloropropene
 Concen: 4.557 ug/l
 RT: 7.81 min Scan# 997
 Delta R.T. -0.13 min
 Lab File: VY001869.D
 Acq: 05 Mar 2020 10:20

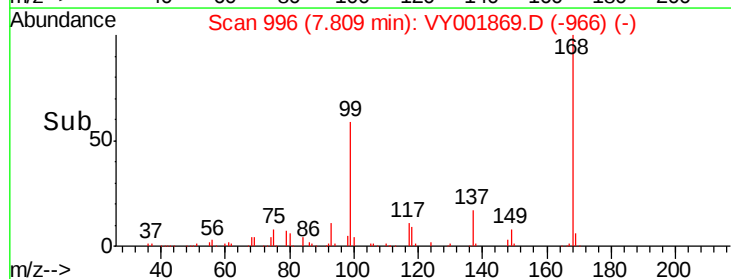
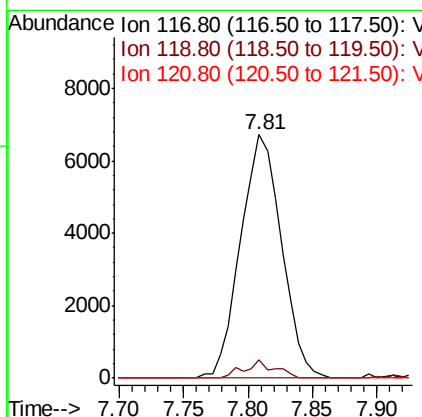
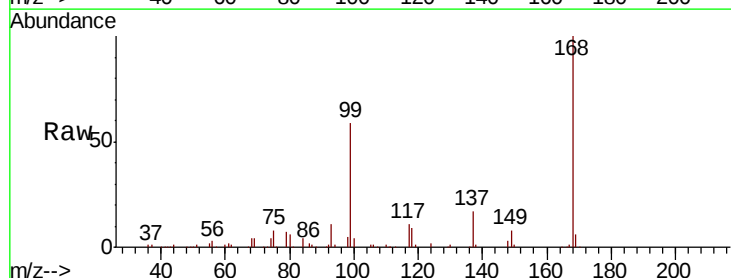
Instrument :
 MSVOA_Y
 ClientSampleId :

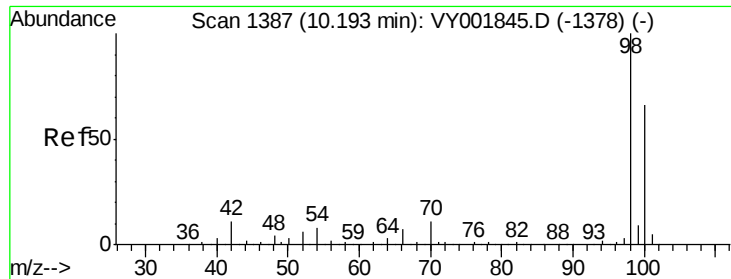
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.2	17.4	52.2#
77	0.0	24.2	36.2#



#38
 Carbon Tetrachloride
 Concen: 6.565 ug/l
 RT: 7.81 min Scan# 996
 Delta R.T. -0.12 min
 Lab File: VY001869.D
 Acq: 05 Mar 2020 10:20

Tgt Ion	Ratio	Lower	Upper
117	100		
119	7.5	76.3	114.5#
121	0.0	23.5	35.3#





#50

Toluene-d8

Concen: 52.704 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. -0.00 min

Lab File: VY001869.D

Acq: 05 Mar 2020 10:20

Instrument :

MSVOA_Y

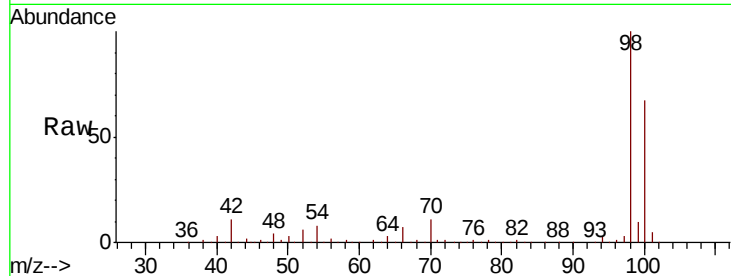
ClientSampled :

Tot Ion: 98 Resp: 332698

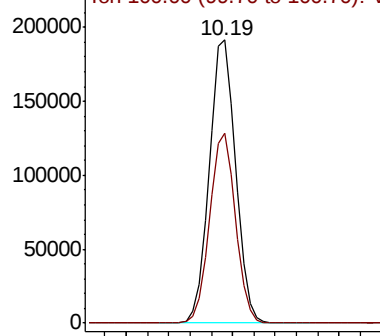
Ion Ratio Lower Upper

98 100

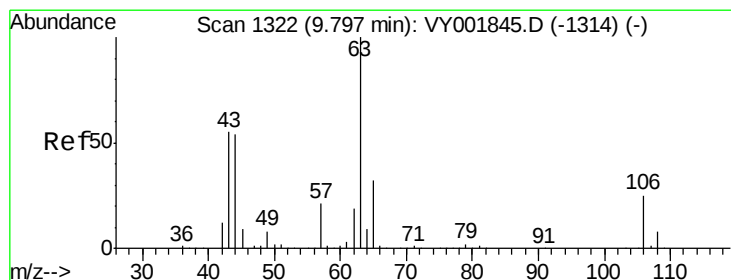
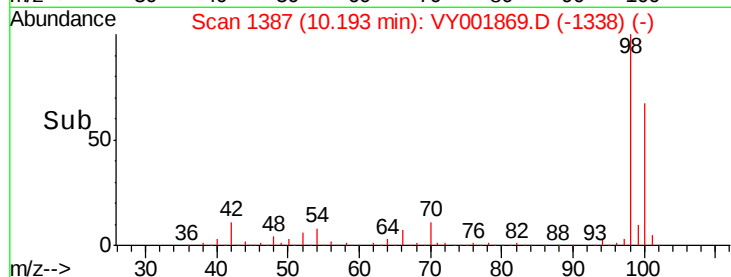
100 65.9 53.0 79.4



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



Time-->



#58

2-Chloroethyl Vinyl ether

Concen: Below Cal

RT: 9.78 min Scan# 1320

Delta R.T. -0.01 min

Lab File: VY001869.D

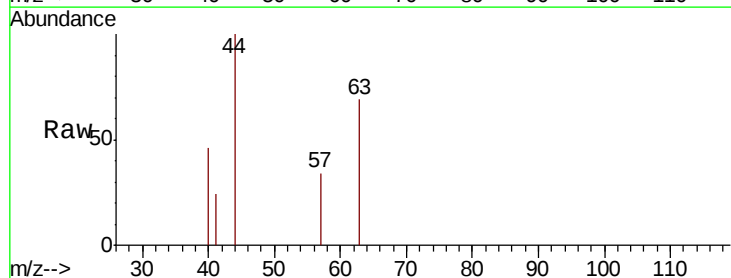
Acq: 05 Mar 2020 10:20

Tgt Ion: 63 Resp: 231

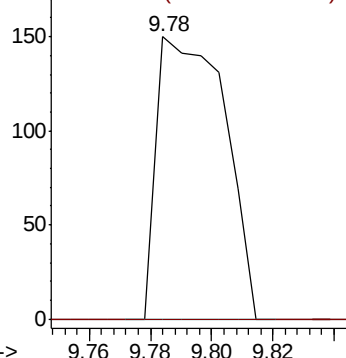
Ion Ratio Lower Upper

63 100

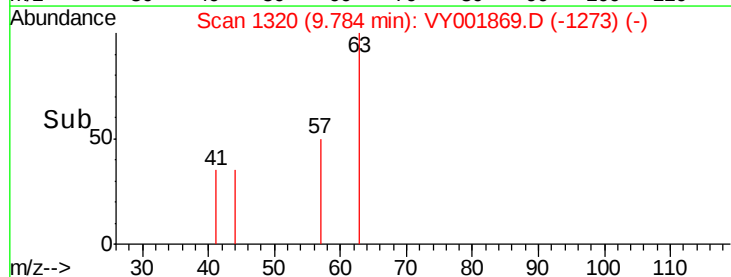
106 0.0 21.3 31.9#

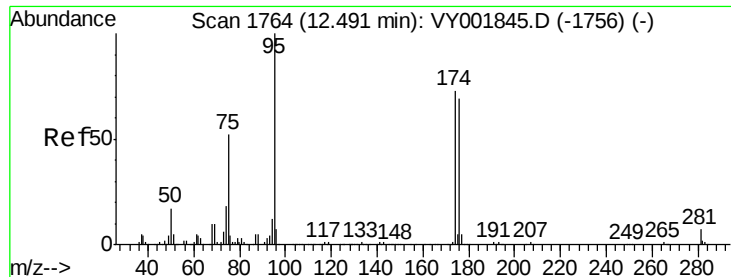


Abundance Ion 62.90 (62.60 to 63.60): VY001845.D (-1314) (-)



Time-->

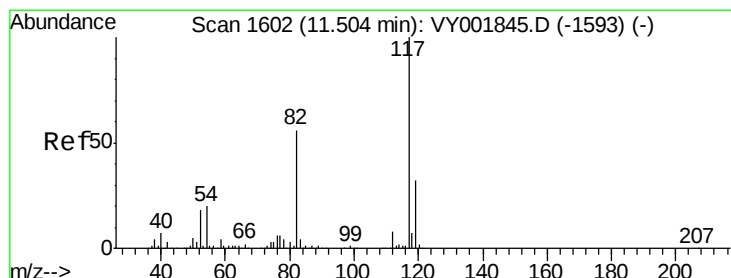
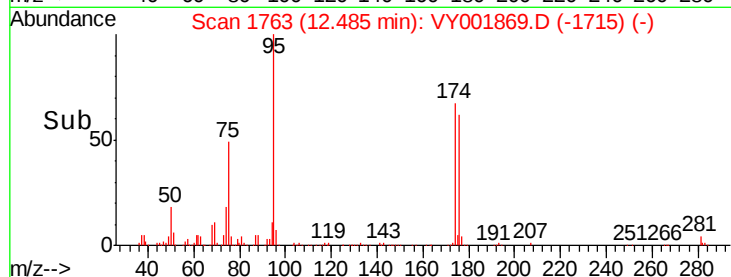
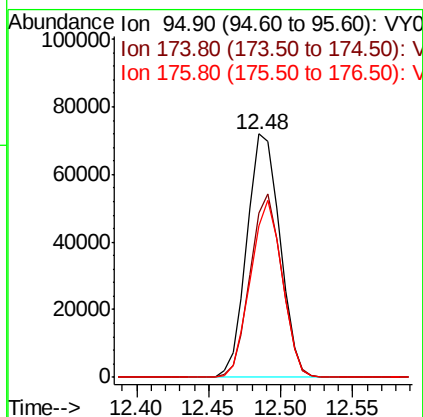
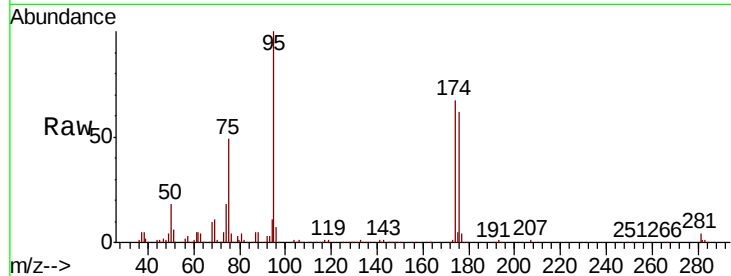




#62
4-Bromofluorobenzene
Concen: 51.901 ug/l
RT: 12.48 min Scan# 1763
Delta R.T. -0.01 min
Lab File: VY001869.D
Acq: 05 Mar 2020 10:20

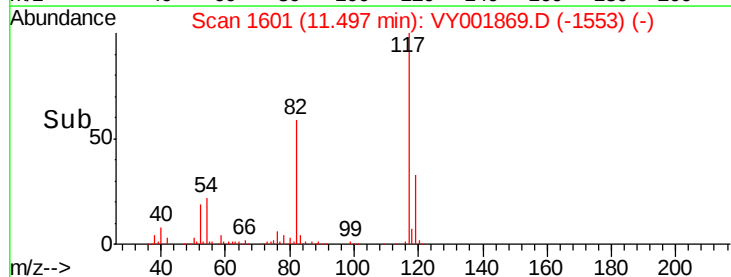
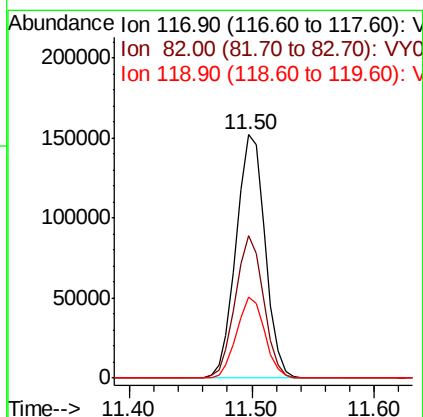
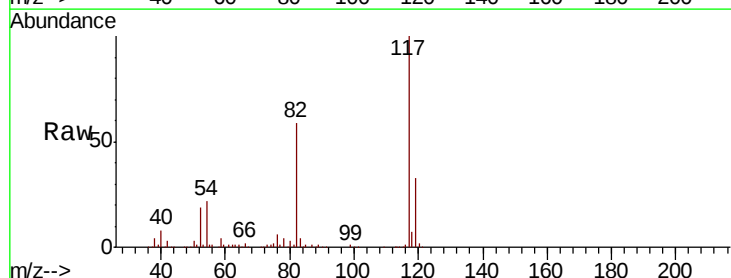
Instrument :
MSVOA_Y
ClientSampled :

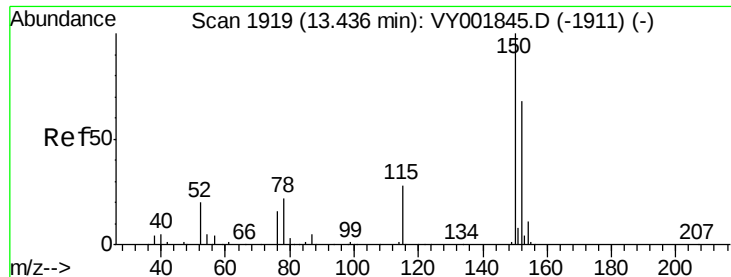
Tot Ion: 95 Resp: 113921
Ion Ratio Lower Upper
95 100
174 72.5 0.0 145.0
176 70.2 0.0 137.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: VY001869.D
Acq: 05 Mar 2020 10:20

Tgt Ion: 117 Resp: 248887
Ion Ratio Lower Upper
117 100
82 58.7 44.5 66.7
119 33.3 25.7 38.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.43 min Scan# 1918

Delta R.T. -0.01 min

Lab File: VY001869.D

Acq: 05 Mar 2020 10:20

Instrument :

MSVOA_Y

ClientSampleId :

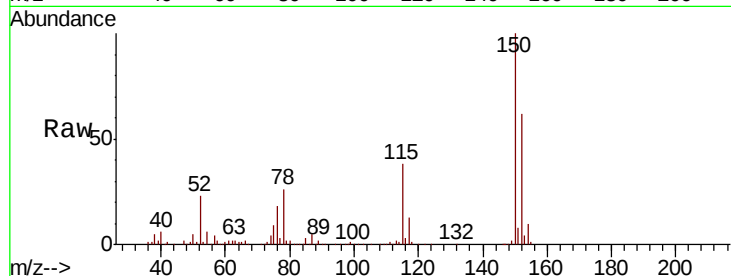
Tot Ion:152 Resp: 107892

Ion Ratio Lower Upper

152 100

115 60.0 29.9 89.7

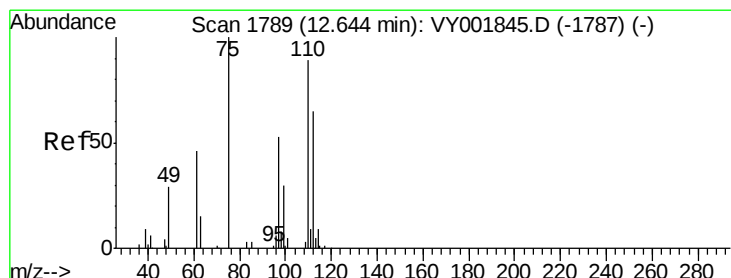
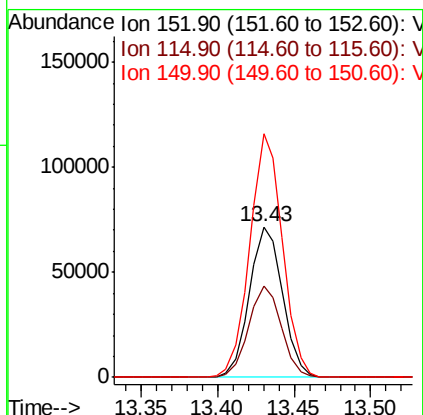
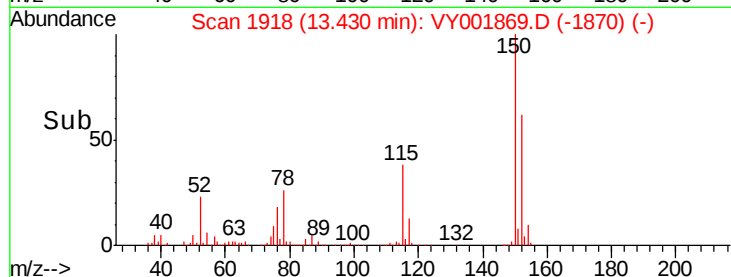
150 159.5 0.0 340.6



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: 44.345 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.15 min

Lab File: VY001869.D

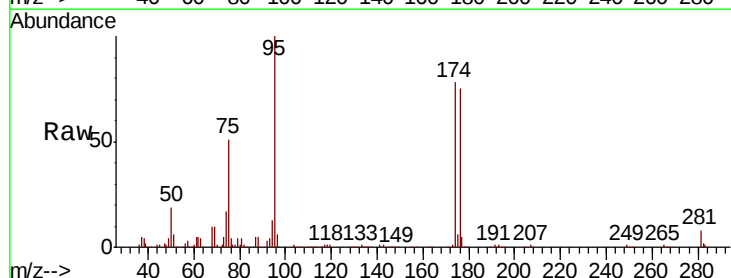
Acq: 05 Mar 2020 10:20

Tgt Ion: 75 Resp: 56771

Ion Ratio Lower Upper

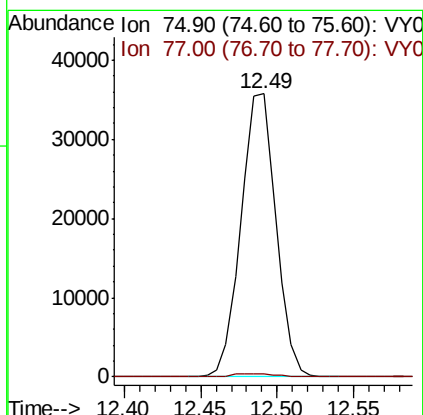
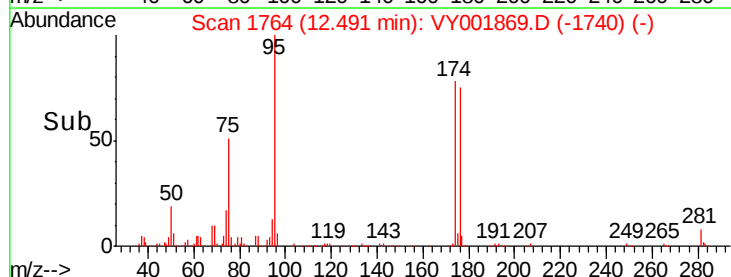
75 100

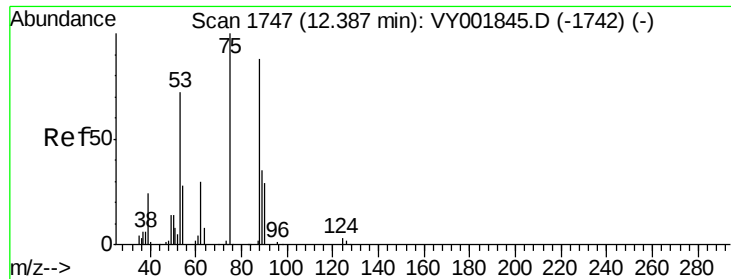
77 1.3 0.0 0.0#



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: 89.575 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.10 min

Lab File: VY001869.D

Acq: 05 Mar 2020 10:20

Instrument :

MSVOA_Y

ClientSampleId :

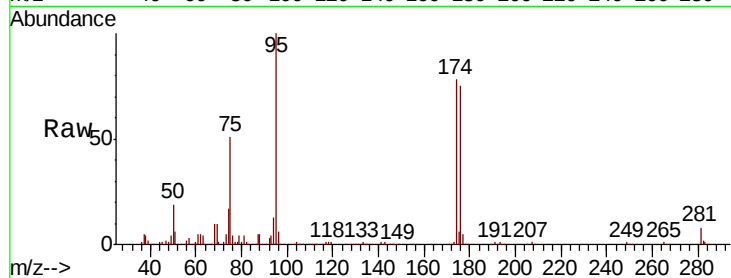
Tot Ion: 75 Resp: 56771

Ion Ratio Lower Upper

75 100

53 0.0 65.4 98.0#

89 0.3 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

