

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY011320\
 Data File : VY001173.D
 Acq On : 13 Jan 2020 12:20
 Operator : SY/MD
 Sample : L1084-02RE
 Misc : 5.10G/5ML/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 AF-2

Quant Time: Jan 14 10:10:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y011020S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 10 16:01:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	151785	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	280189	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	250775	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	108447	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	84368	52.63	ug/l	0.00
Spiked Amount			Recovery	=	105.26%	
35) Dibromofluoromethane	7.73	113	82568	50.33	ug/l	0.00
Spiked Amount			Recovery	=	100.66%	
50) Toluene-d8	10.18	98	331409	52.43	ug/l	0.00
Spiked Amount			Recovery	=	104.86%	
62) 4-Bromofluorobenzene	12.48	95	116770	45.19	ug/l	0.00
Spiked Amount			Recovery	=	90.38%	

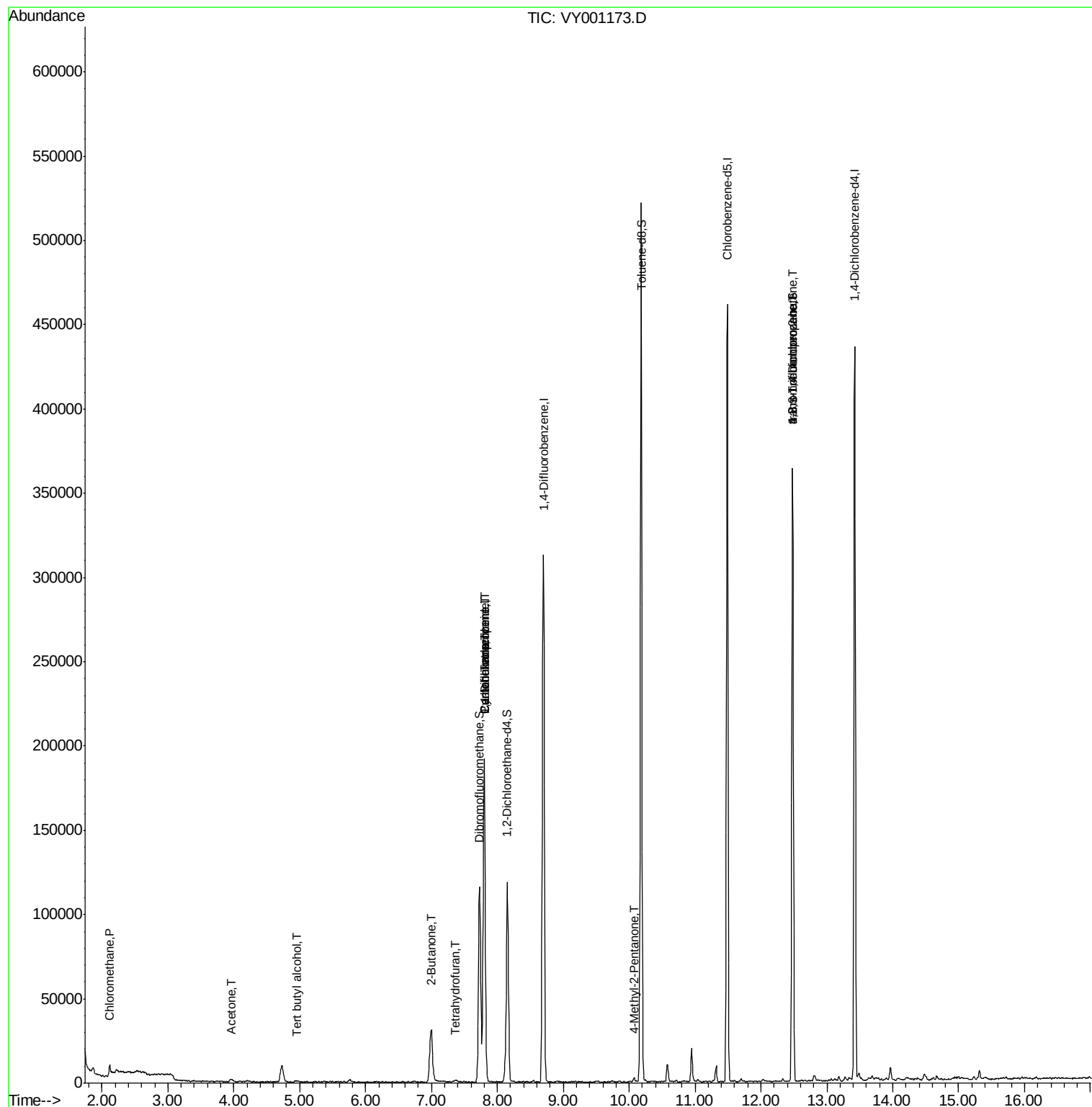
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.12	50	3621	2.155	ug/l	95
11) Tert butyl alcohol	4.96	59	1047	6.491	ug/l #	93
16) Acetone	3.97	43	2988	8.026	ug/l	98
20) Methylene Chloride	4.73	84	7847	Below Cal		92
25) 2-Butanone	7.00	43	2572	4.439	ug/l #	83
29) Tetrahydrofuran	7.36	42	978	2.463	ug/l #	72
31) Cyclohexane	7.80	56	3180	1.026	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	11425	4.474	ug/l #	48
38) Carbon Tetrachloride	7.80	117	14306	6.113	ug/l #	14
51) 4-Methyl-2-Pentanone	10.08	43	1639	1.127	ug/l	90
76) 1,2,3-Trichloropropane	12.48	75	56760	48.892	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	56760	82.910	ug/l #	6

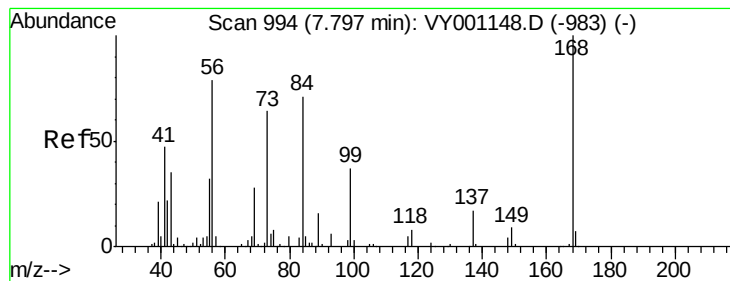
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.01 min

Lab File: VY001173.D

Acq: 13 Jan 2020 12:20

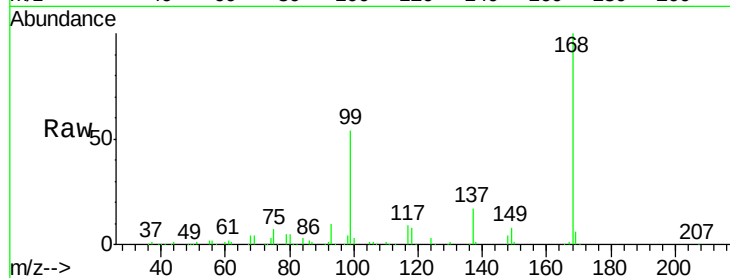
Instrument :
MSVOA_Y
ClientSampleId :
AF-2

Tgt Ion: 168 Resp: 151785

Ion Ratio Lower Upper

168 100

99 54.5 47.9 71.9



Abundance Ion 167.90 (167.60 to 168.60): VY001148.D (-983) (-)

Ion 98.90 (98.60 to 99.60): VY001148.D (-983) (-)

7.80

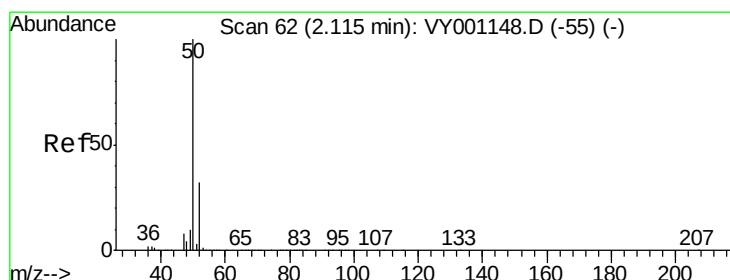
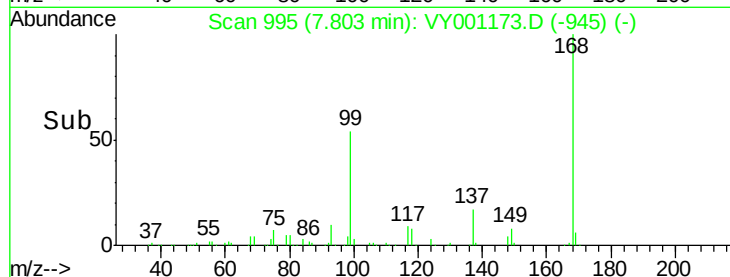
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 2.155 ug/l

RT: 2.12 min Scan# 62

Delta R.T. 0.00 min

Lab File: VY001173.D

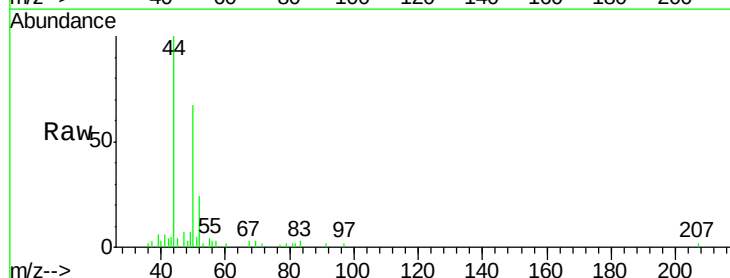
Acq: 13 Jan 2020 12:20

Tgt Ion: 50 Resp: 3621

Ion Ratio Lower Upper

50 100

52 35.0 25.8 38.6



Abundance Ion 49.90 (49.60 to 50.60): VY001148.D (-55) (-)

Ion 51.90 (51.60 to 52.60): VY001148.D (-55) (-)

2.12

3000

2500

2000

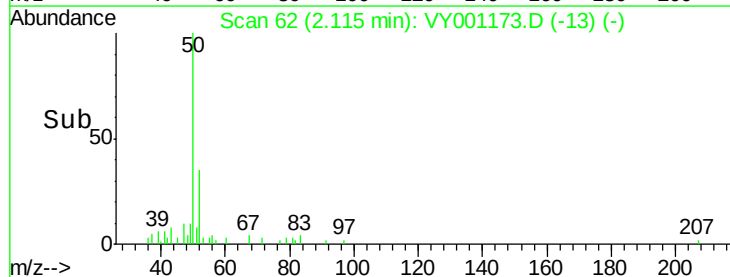
1500

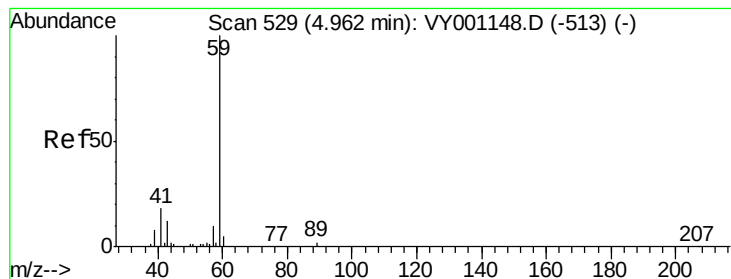
1000

500

0

Time-->





#11

Tert butyl alcohol

Concen: 6.491 ug/l

RT: 4.96 min Scan# 528

Delta R.T. -0.01 min

Lab File: VY001173.D

Acq: 13 Jan 2020 12:20

Instrument :

MSVOA_Y

ClientSampled :

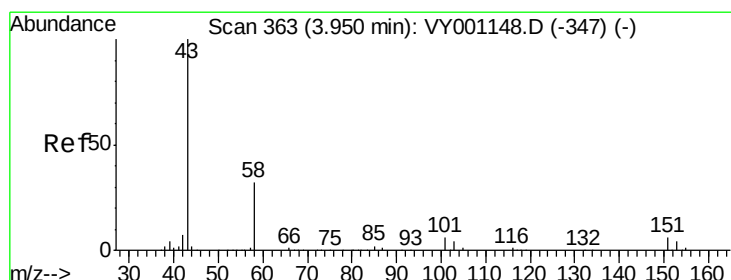
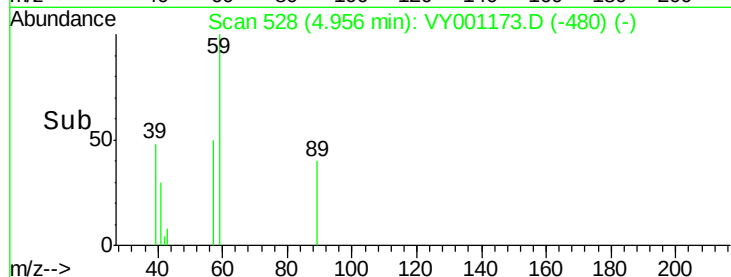
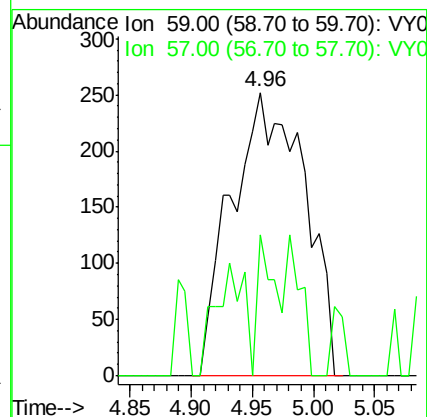
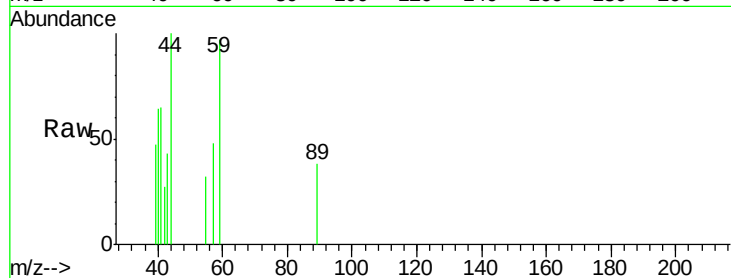
AF-2

Tgt Ion: 59 Resp: 1047

Ion Ratio Lower Upper

59 100

57 12.3 7.8 11.8#



#16

Acetone

Concen: 8.026 ug/l

RT: 3.97 min Scan# 366

Delta R.T. 0.02 min

Lab File: VY001173.D

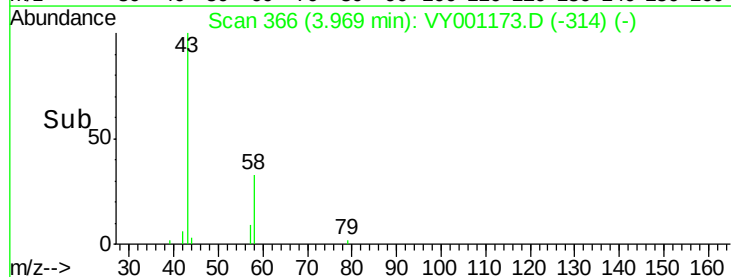
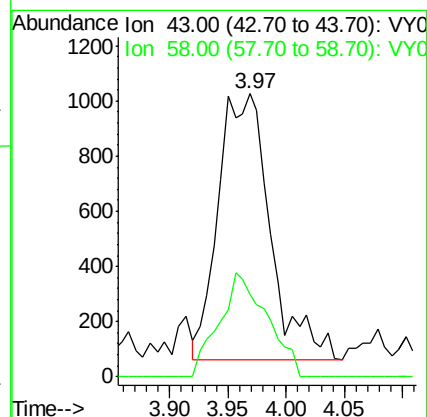
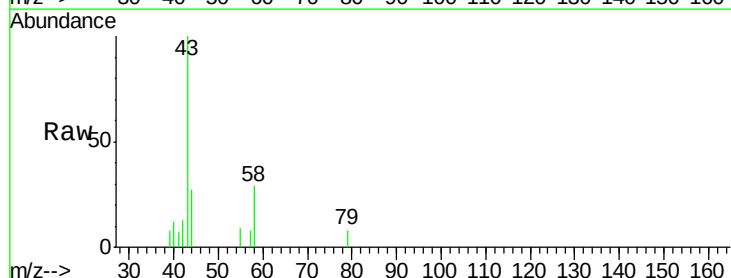
Acq: 13 Jan 2020 12:20

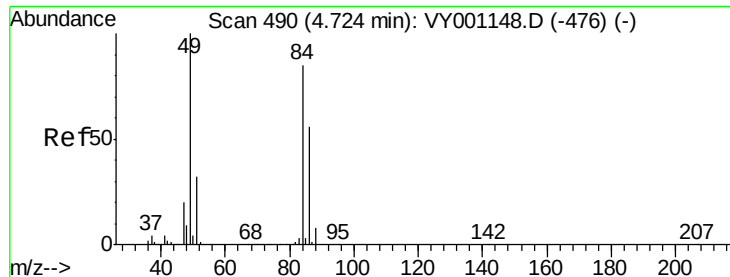
Tgt Ion: 43 Resp: 2988

Ion Ratio Lower Upper

43 100

58 31.0 25.8 38.6

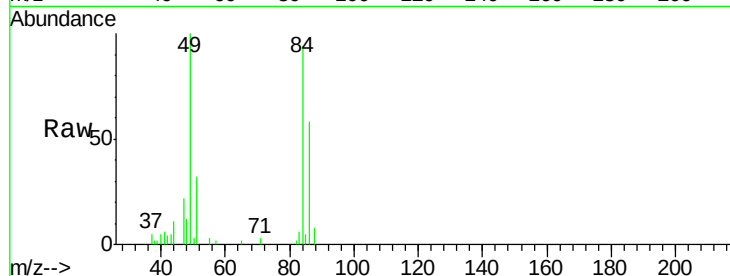




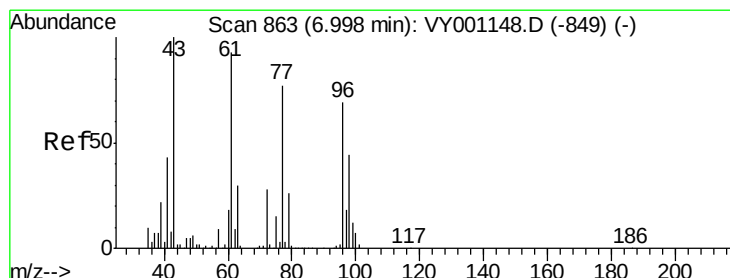
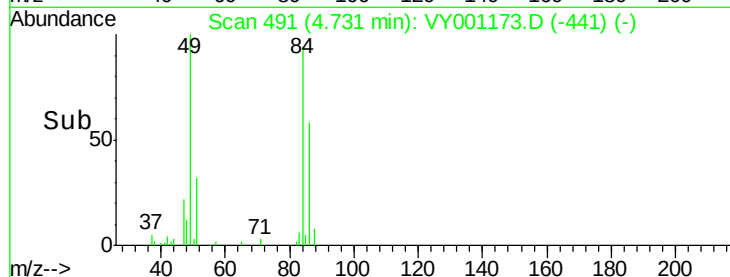
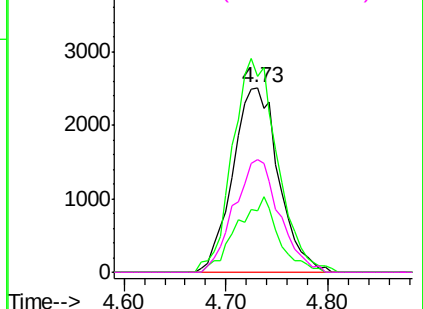
#20
Methylene Chloride
Concen: Below Cal
RT: 4.73 min Scan# 491
Delta R.T. 0.01 min
Lab File: VY001173.D
Acq: 13 Jan 2020 12:20

Instrument :
MSVOA_Y
ClientSampled :
AF-2

Tgt Ion:	84	Resp:	7847
Ion	Ratio	Lower	Upper
84	100		
49	105.9	93.8	140.6
51	33.4	29.9	44.9
86	61.3	52.6	78.8

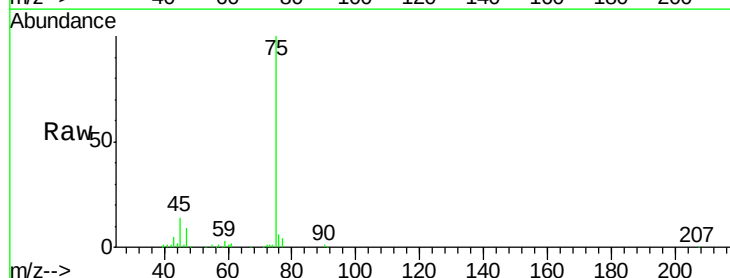


Abundance Ion 83.90 (83.60 to 84.60): VY0
Ion 48.90 (48.60 to 49.60): VY0
Ion 50.90 (50.60 to 51.60): VY0
Ion 85.90 (85.60 to 86.60): VY0

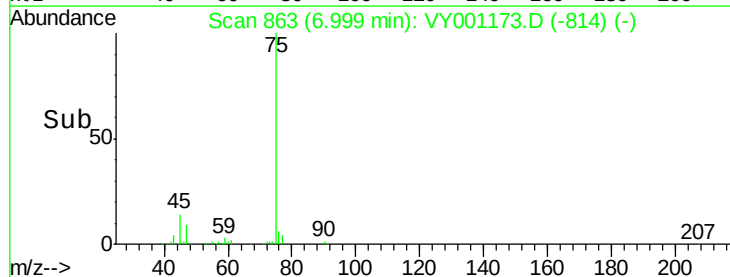
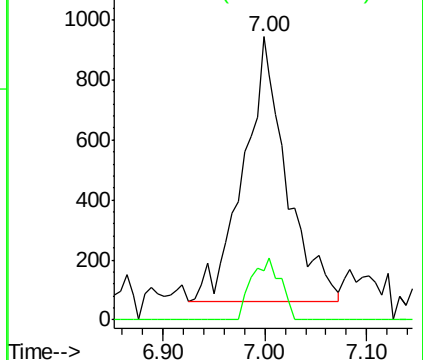


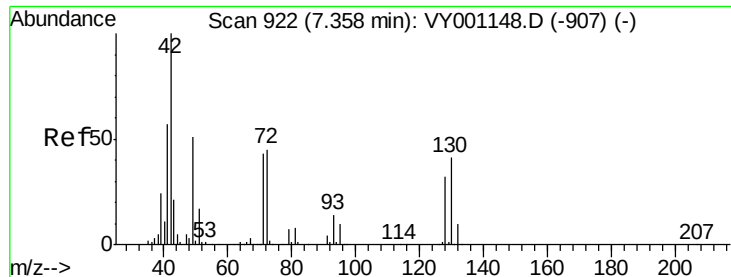
#25
2-Butanone
Concen: 4.439 ug/l
RT: 7.00 min Scan# 863
Delta R.T. 0.00 min
Lab File: VY001173.D
Acq: 13 Jan 2020 12:20

Tgt Ion:	43	Resp:	2572
Ion	Ratio	Lower	Upper
43	100		
72	18.8	22.2	33.2#



Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 72.00 (71.70 to 72.70): VY0





#29

Tetrahydrofuran

Concen: 2.463 ug/l

RT: 7.36 min Scan# 922

Delta R.T. 0.00 min

Lab File: VY001173.D

Acq: 13 Jan 2020 12:20

Instrument :

MSVOA_Y

ClientSampled :

AF-2

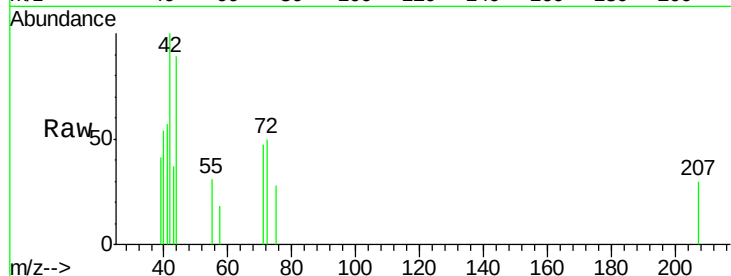
Tgt Ion: 42 Resp: 978

Ion Ratio Lower Upper

42 100

72 23.6 36.9 55.3#

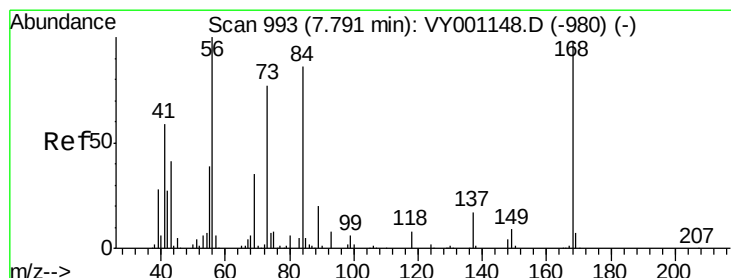
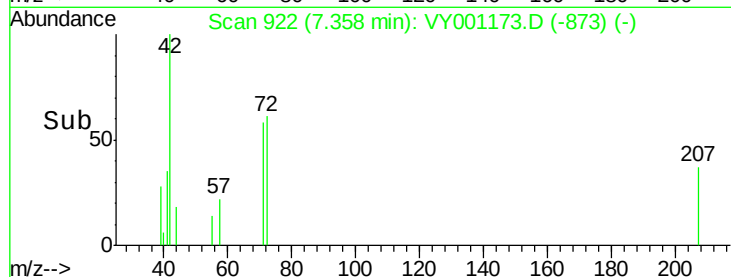
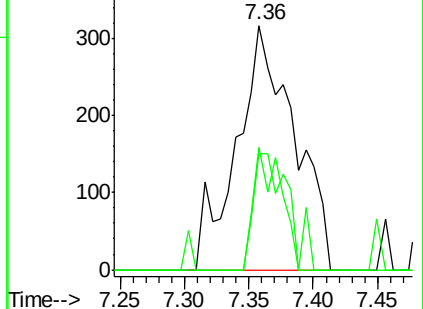
71 28.9 34.0 51.0#



Abundance Ion 42.00 (41.70 to 42.70): VY0

Ion 72.00 (71.70 to 72.70): VY0

Ion 71.00 (70.70 to 71.70): VY0



#31

Cyclohexane

Concen: 1.026 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.01 min

Lab File: VY001173.D

Acq: 13 Jan 2020 12:20

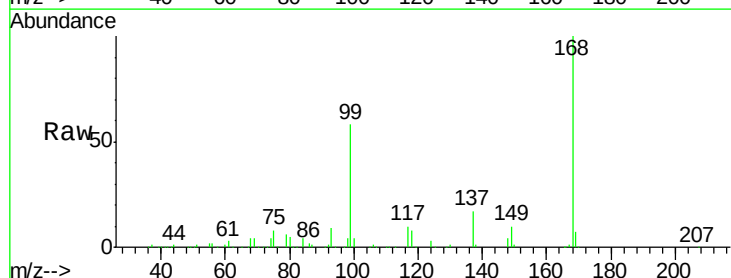
Tgt Ion: 56 Resp: 3180

Ion Ratio Lower Upper

56 100

69 176.6 27.8 41.8#

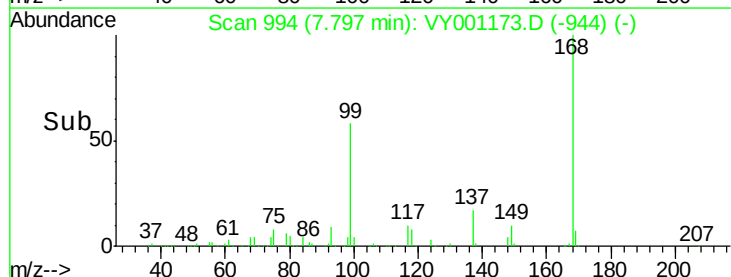
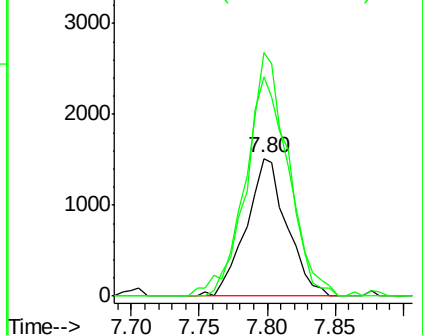
84 159.3 68.9 103.3#

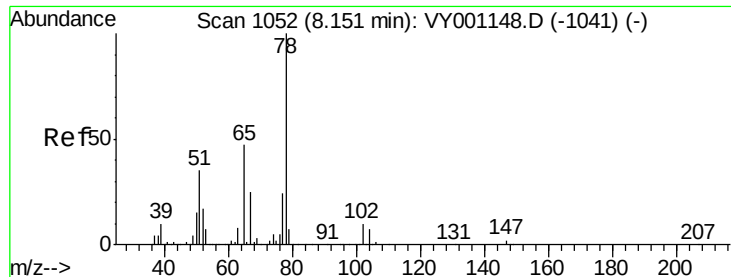


Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 69.00 (68.70 to 69.70): VY0

Ion 84.00 (83.70 to 84.70): VY0

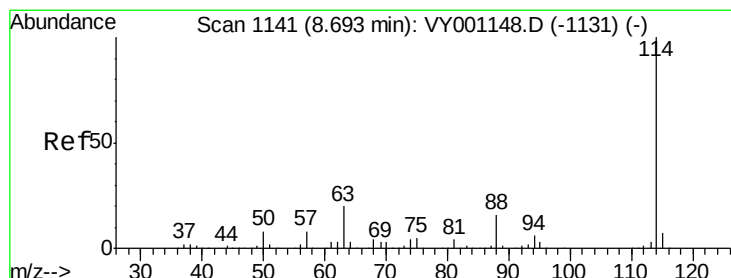
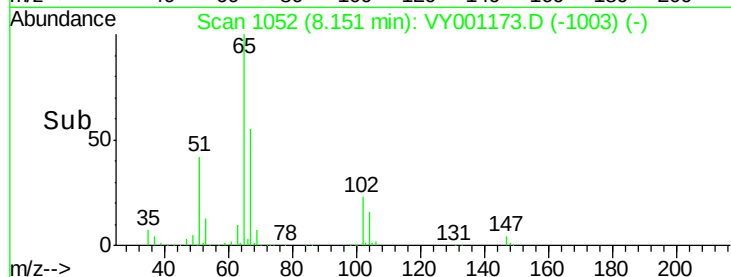
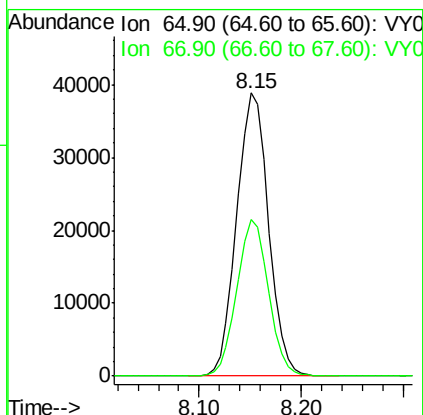
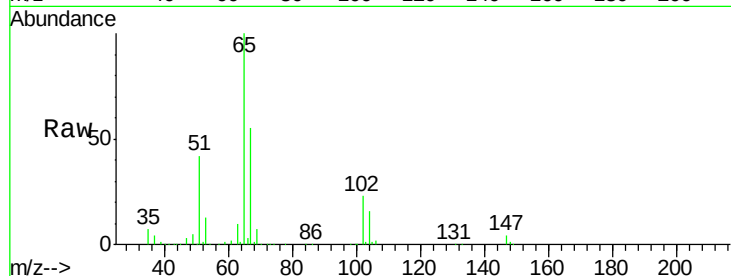




#33
 1,2-Dichloroethane-d4
 Concen: 52.628 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. 0.00 min
 Lab File: VY001173.D
 Acq: 13 Jan 2020 12:20

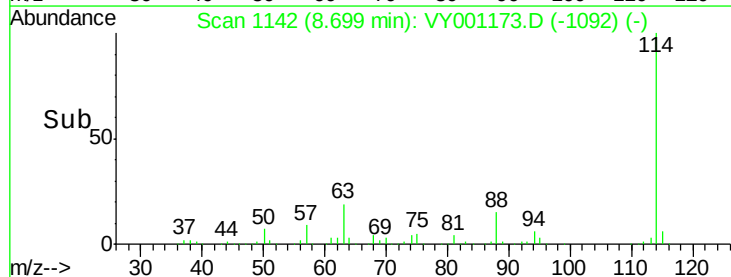
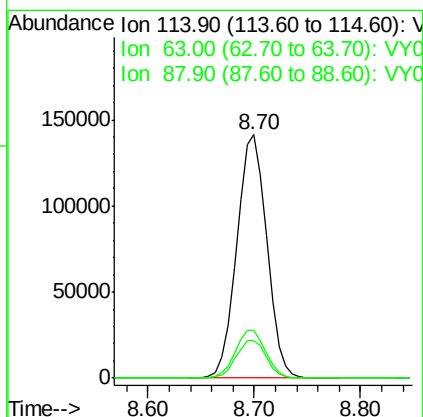
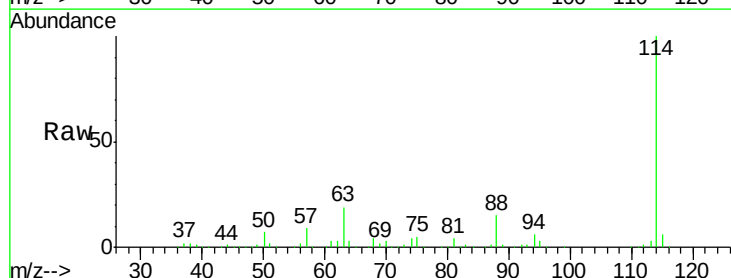
Instrument :
 MSVOA_Y
 ClientSampled :
 AF-2

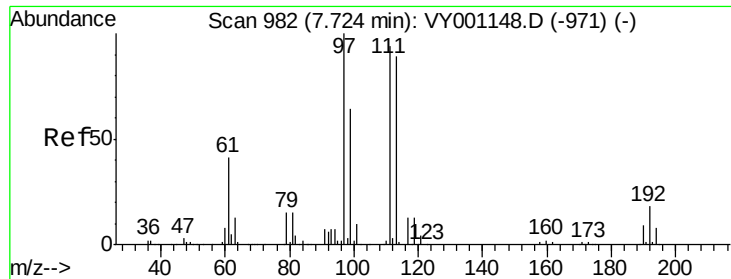
Tgt Ion: 65 Resp: 84368
 Ion Ratio Lower Upper
 65 100
 67 54.9 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. 0.01 min
 Lab File: VY001173.D
 Acq: 13 Jan 2020 12:20

Tgt Ion: 114 Resp: 280189
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 40.8
 88 15.3 0.0 32.4

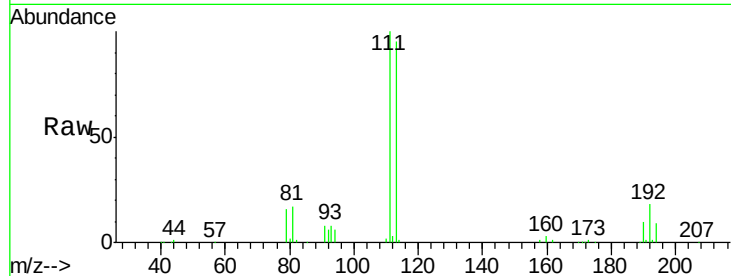




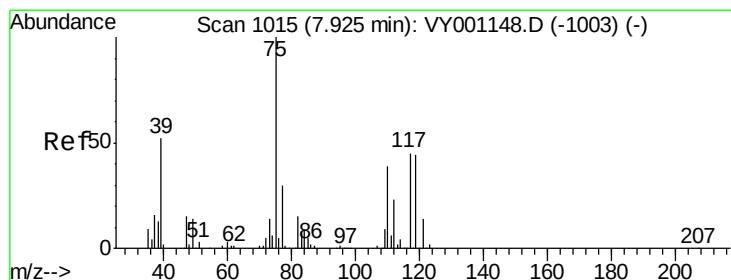
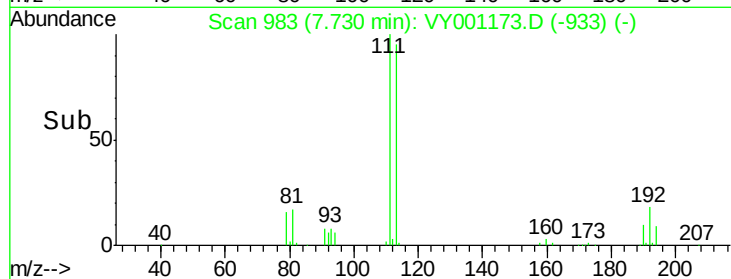
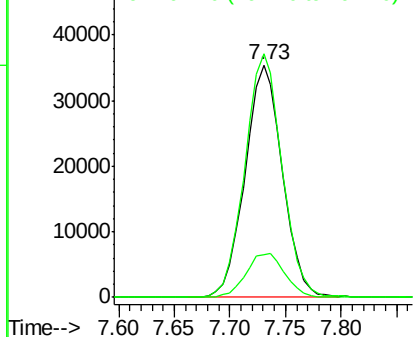
#35
 Dibromofluoromethane
 Concen: 50.331 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. 0.01 min
 Lab File: VY001173.D
 Acq: 13 Jan 2020 12:20

Instrument :
 MSVOA_Y
 ClientSampleId :
 AF-2

Tgt Ion:113 Resp: 82568
 Ion Ratio Lower Upper
 113 100
 111 104.7 82.9 124.3
 192 19.8 15.4 23.2

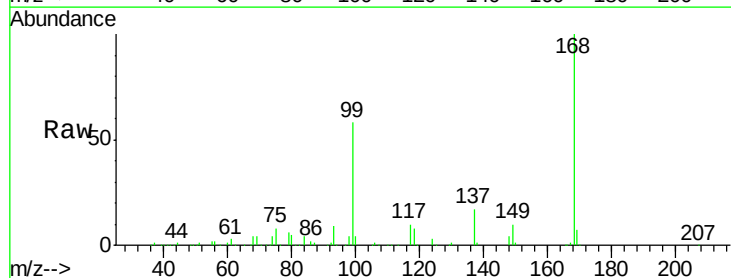


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

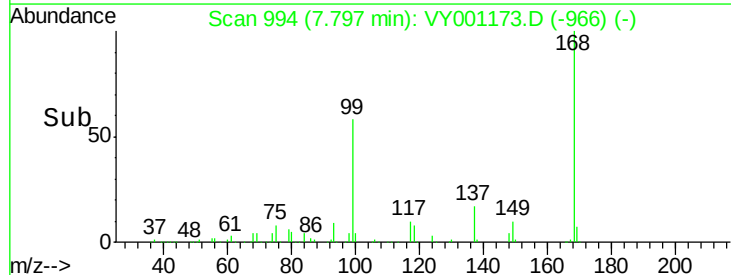
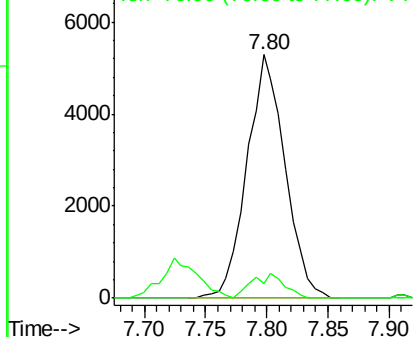


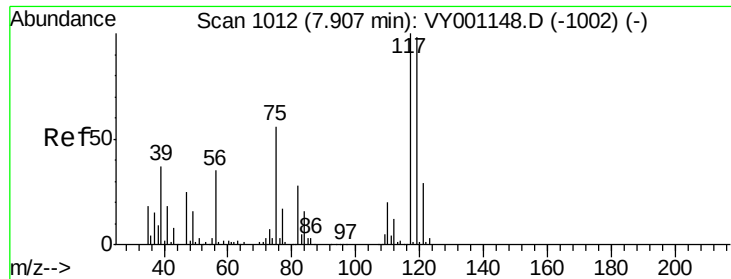
#36
 1,1-Dichloropropene
 Concen: 4.474 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.13 min
 Lab File: VY001173.D
 Acq: 13 Jan 2020 12:20

Tgt Ion: 75 Resp: 11425
 Ion Ratio Lower Upper
 75 100
 110 8.5 18.3 54.8#
 77 0.0 25.1 37.7#



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

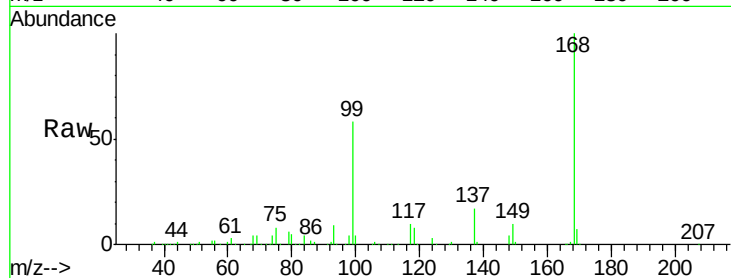




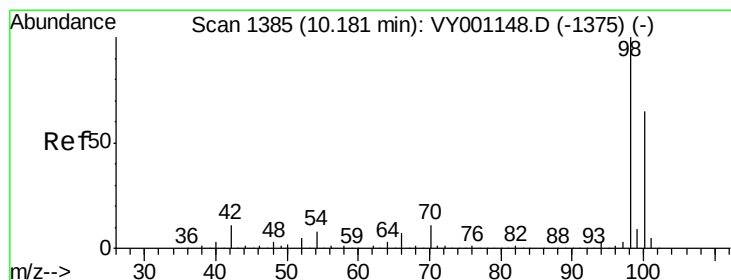
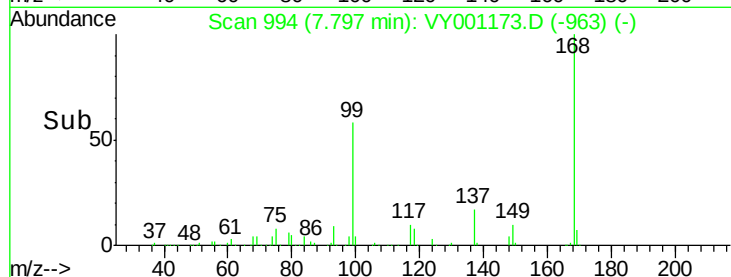
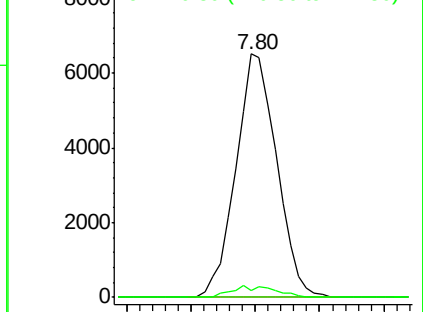
#38
Carbon Tetrachloride
Concen: 6.113 ug/l
RT: 7.80 min Scan# 994
Delta R.T. -0.11 min
Lab File: VY001173.D
Acq: 13 Jan 2020 12:20

Instrument :
MSVOA_Y
ClientSampleId :
AF-2

Tgt Ion:117 Resp: 14306
Ion Ratio Lower Upper
117 100
119 3.0 78.3 117.5#
121 0.0 23.5 35.3#

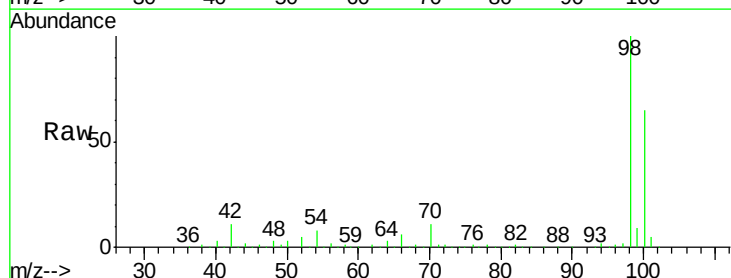


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

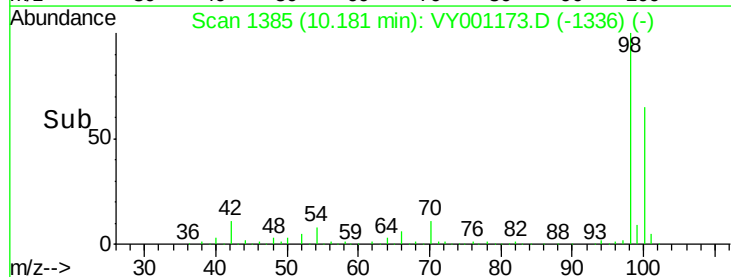
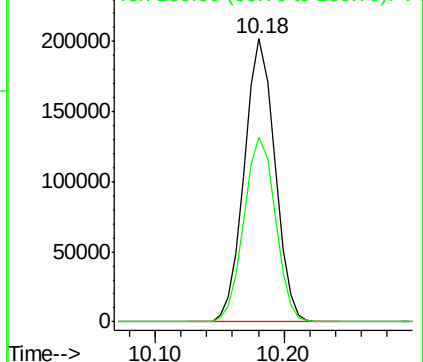


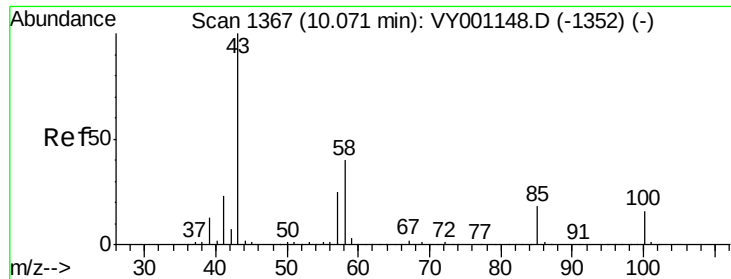
#50
Toluene-d8
Concen: 52.429 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VY001173.D
Acq: 13 Jan 2020 12:20

Tgt Ion: 98 Resp: 331409
Ion Ratio Lower Upper
98 100
100 66.9 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VY0
Ion 100.00 (99.70 to 100.70): VY





#51

4-Methyl-2-Pentanone

Concen: 1.127 ug/l

RT: 10.08 min Scan# 1368

Delta R.T. 0.01 min

Lab File: VY001173.D

Acq: 13 Jan 2020 12:20

Instrument :

MSVOA_Y

ClientSampleId :

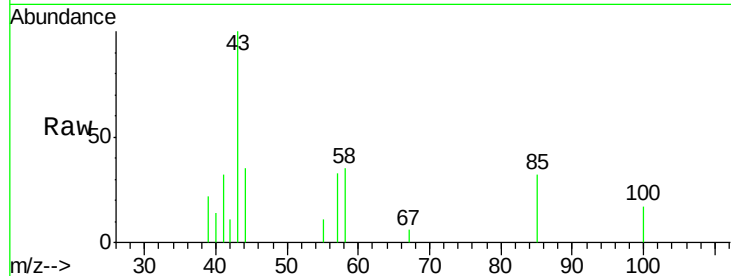
AF-2

Tgt Ion: 43 Resp: 1639

Ion Ratio Lower Upper

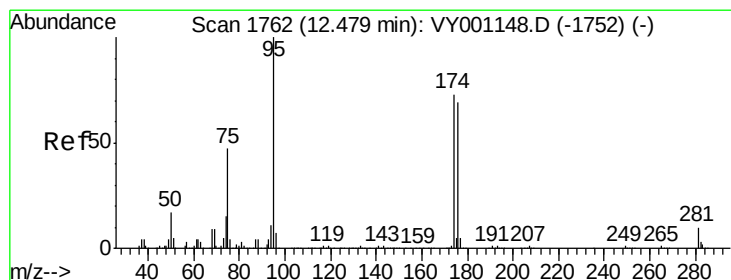
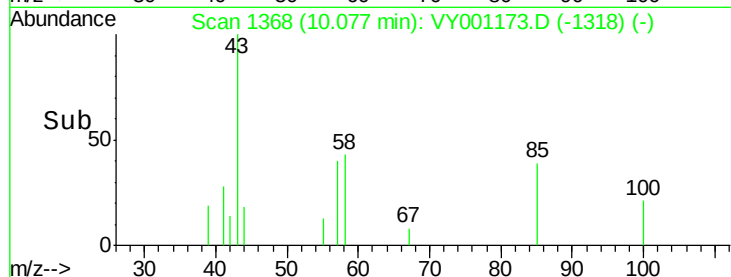
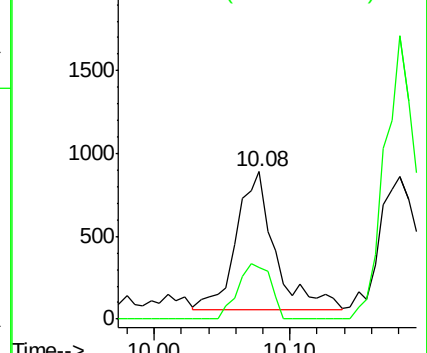
43 100

58 34.5 32.3 48.5



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#62

4-Bromofluorobenzene

Concen: 45.185 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY001173.D

Acq: 13 Jan 2020 12:20

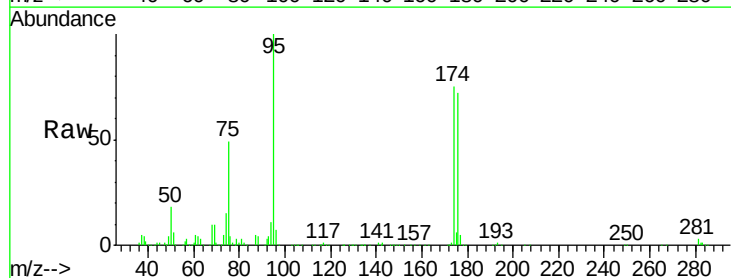
Tgt Ion: 95 Resp: 116770

Ion Ratio Lower Upper

95 100

174 76.4 0.0 143.2

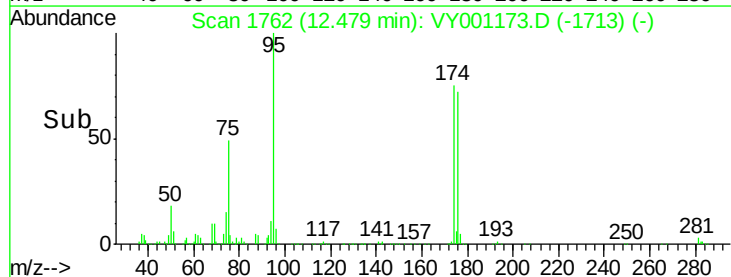
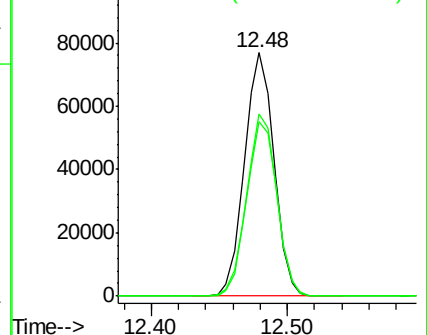
176 74.2 0.0 136.0

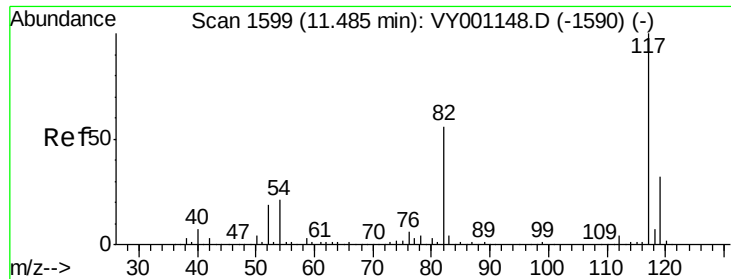


Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

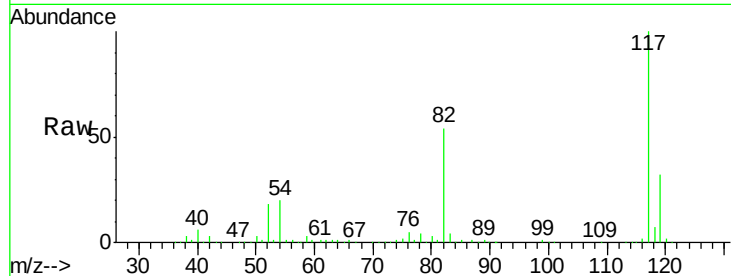




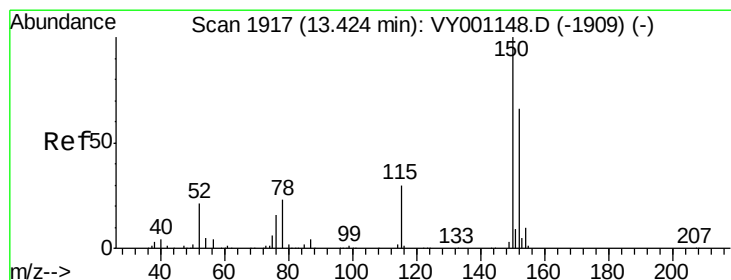
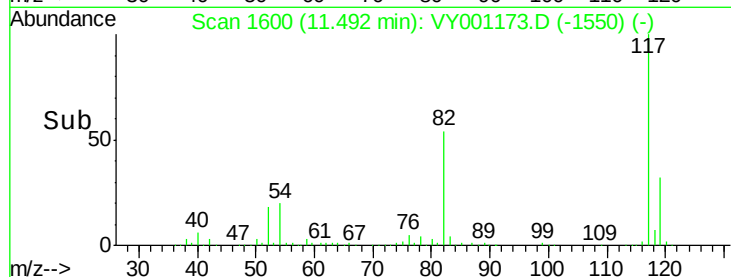
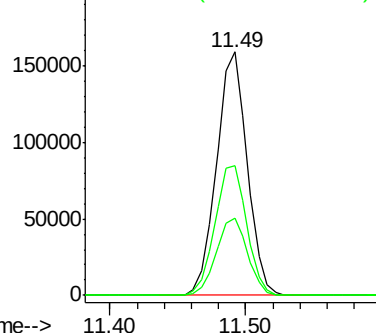
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.01 min
Lab File: VY001173.D
Acq: 13 Jan 2020 12:20

Instrument :
MSVOA_Y
ClientSampled :
AF-2

Tgt Ion:117 Resp: 250775
Ion Ratio Lower Upper
117 100
82 53.5 44.9 67.3
119 31.8 25.7 38.5

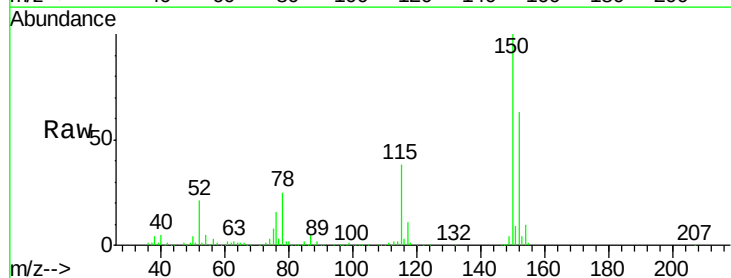


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

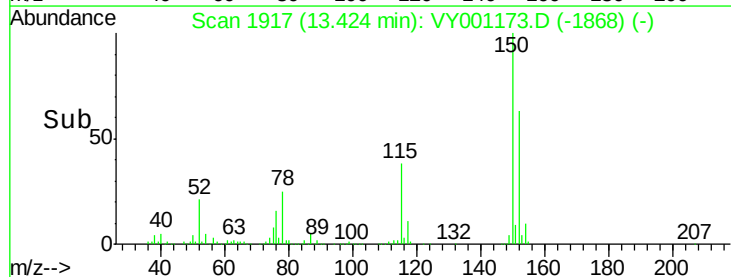
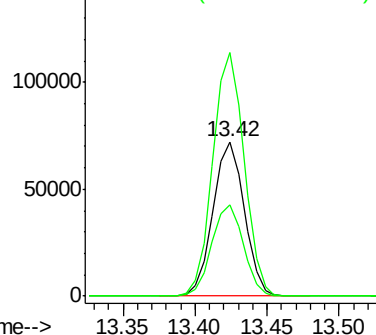


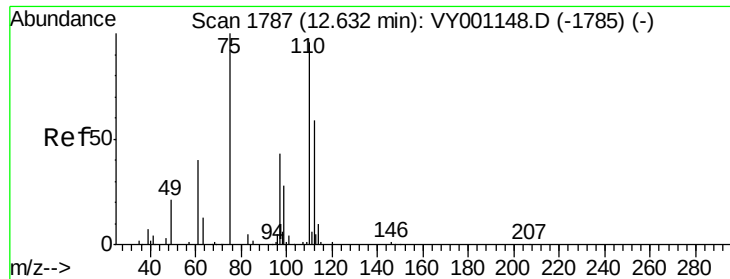
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. 0.00 min
Lab File: VY001173.D
Acq: 13 Jan 2020 12:20

Tgt Ion:152 Resp: 108447
Ion Ratio Lower Upper
152 100
115 60.2 30.9 92.5
150 158.3 0.0 346.8



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: 48.892 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY001173.D

Acq: 13 Jan 2020 12:20

Instrument :

MSVOA_Y

ClientSampleId :

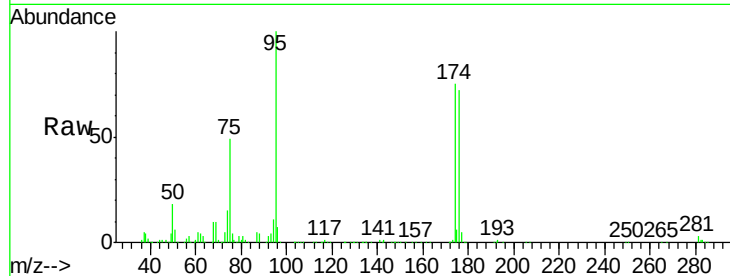
AF-2

Tgt Ion: 75 Resp: 56760

Ion Ratio Lower Upper

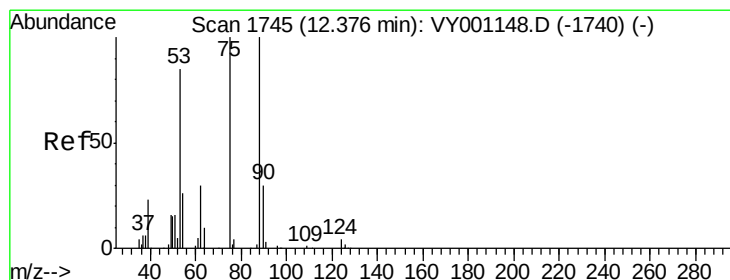
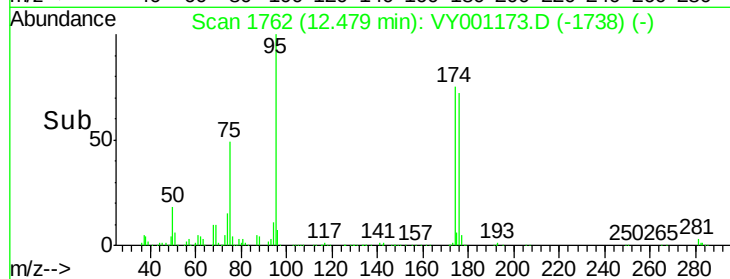
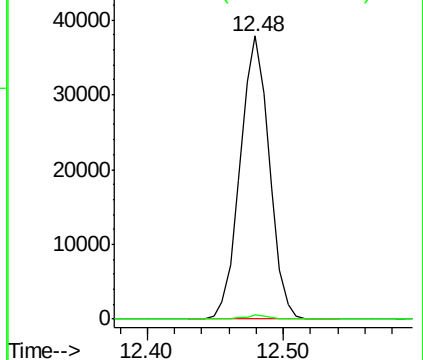
75 100

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: 82.910 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY001173.D

Acq: 13 Jan 2020 12:20

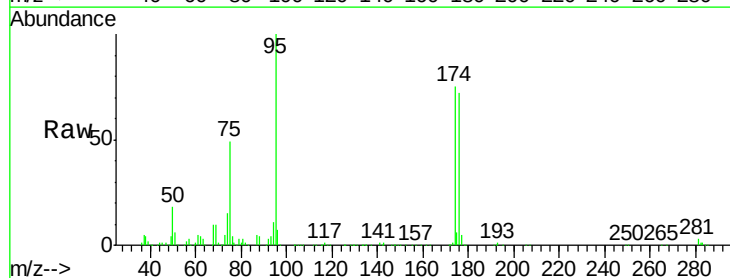
Tgt Ion: 75 Resp: 56760

Ion Ratio Lower Upper

75 100

53 0.0 69.4 104.2#

89 0.0 0.0 0.0



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

