

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY021220\
 Data File : VY001617.D
 Acq On : 12 Feb 2020 17:57
 Operator : SY/MD
 Sample : VIAL TEST-02
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

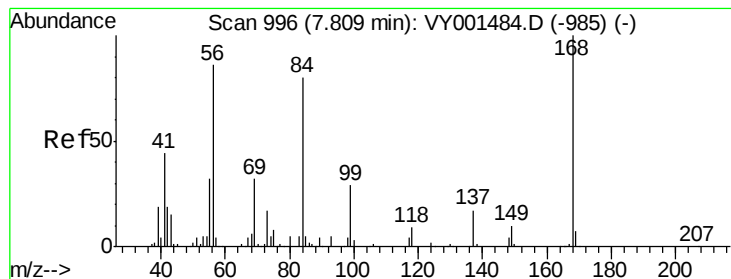
Quant Time: Feb 13 07:46:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y020420S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 04 15:10:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	173134	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	310261	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	280490	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	128935	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	101731	58.36	ug/l	0.00
Spiked Amount			Recovery	=	116.72%	
35) Dibromofluoromethane	7.74	113	89724	50.15	ug/l	0.00
Spiked Amount			Recovery	=	100.30%	
50) Toluene-d8	10.19	98	375434	55.46	ug/l	0.00
Spiked Amount			Recovery	=	110.92%	
62) 4-Bromofluorobenzene	12.49	95	130234	48.84	ug/l	0.00
Spiked Amount			Recovery	=	97.68%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.00	59	51	Below Cal	#	76
16) Acetone	3.98	43	3256	6.457	ug/l	96
29) Tetrahydrofuran	7.38	42	2251	5.741	ug/l	92
31) Cyclohexane	7.82	56	3785	1.115	ug/l #	1
36) 1,1-Dichloropropene	7.82	75	14181	4.996	ug/l #	48
38) Carbon Tetrachloride	7.82	117	17288	6.296	ug/l #	16
41) Methacrylonitrile	7.38	41	1265	1.986	ug/l #	19
52) Toluene	10.25	92	8098	1.576	ug/l	92
76) 1,2,3-Trichloropropane	12.49	75	67204	48.468	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	67204	93.783	ug/l #	16

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.01 min

Lab File: VY001617.D

Acq: 12 Feb 2020 17:57

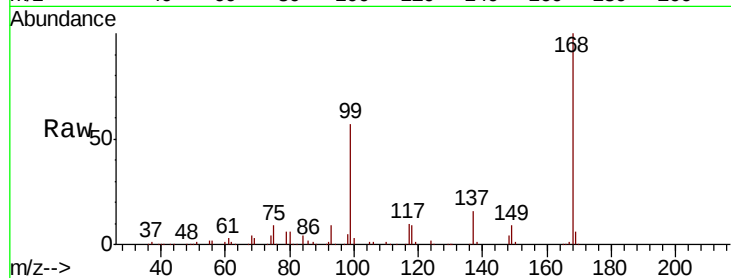
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:168 Resp: 173134

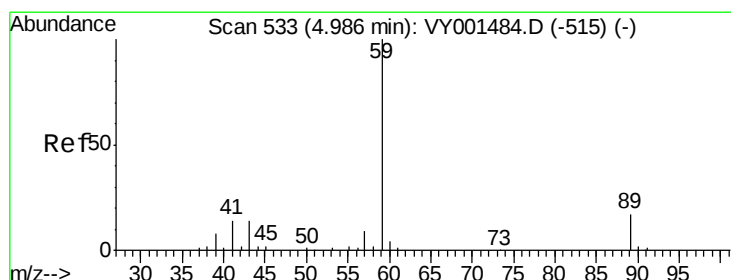
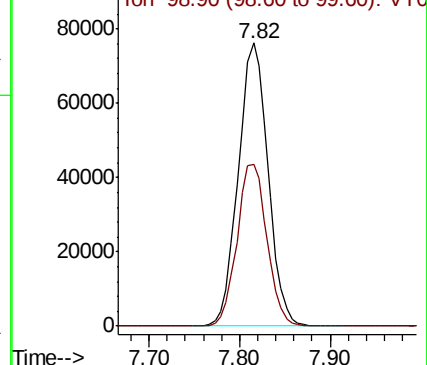
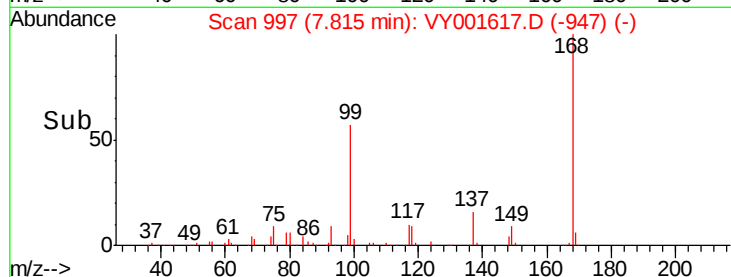
Ion Ratio Lower Upper

168 100

99 57.2 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): VY001617.D (-947) (-)



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.00 min Scan# 535

Delta R.T. 0.01 min

Lab File: VY001617.D

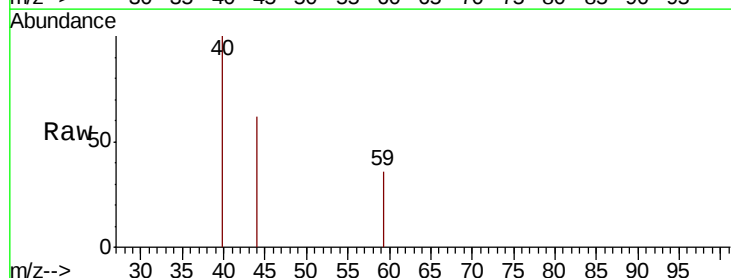
Acq: 12 Feb 2020 17:57

Tgt Ion: 59 Resp: 51

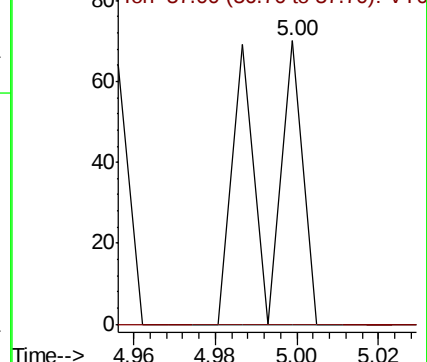
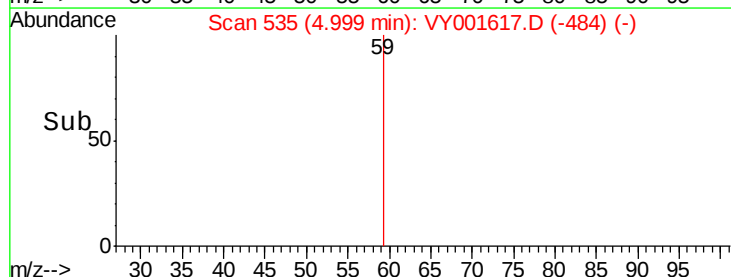
Ion Ratio Lower Upper

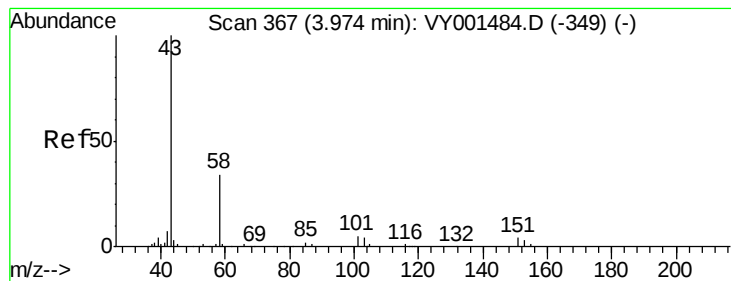
59 100

57 0.0 7.0 10.6#



Abundance Ion 59.00 (58.70 to 59.70): VY001617.D (-484) (-)





#16

Acetone

Concen: 6.457 ug/l

RT: 3.98 min Scan# 368

Delta R.T. 0.01 min

Lab File: VY001617.D

Acq: 12 Feb 2020 17:57

Instrument :

MSVOA_Y

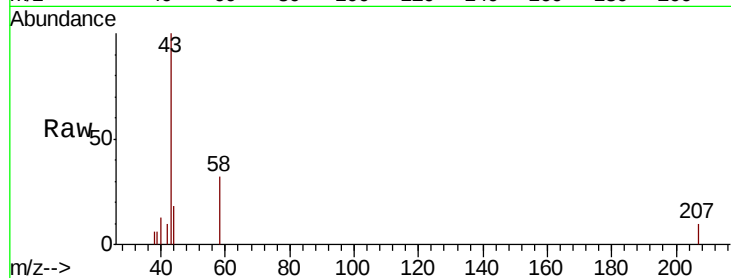
ClientSampled :

Tot Ion: 43 Resp: 3256

Ion Ratio Lower Upper

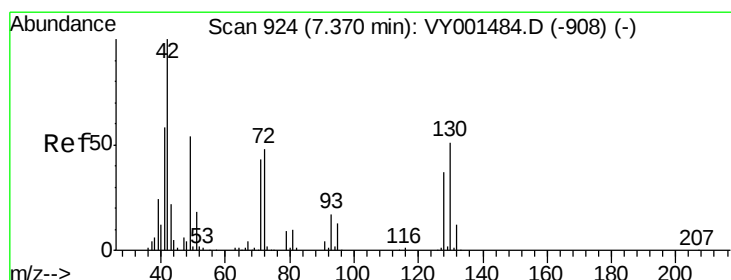
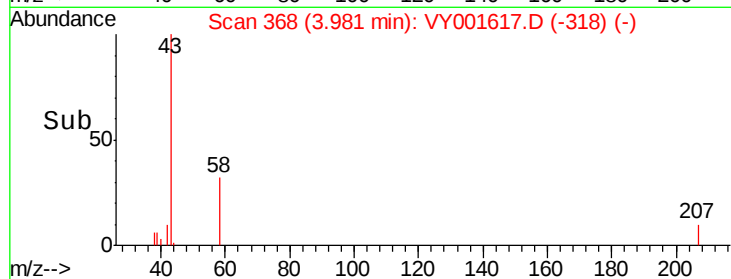
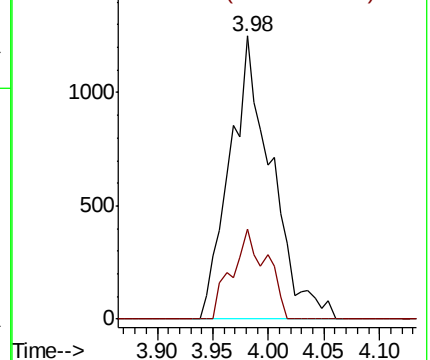
43 100

58 32.0 27.5 41.3



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#29

Tetrahydrofuran

Concen: 5.741 ug/l

RT: 7.38 min Scan# 926

Delta R.T. 0.01 min

Lab File: VY001617.D

Acq: 12 Feb 2020 17:57

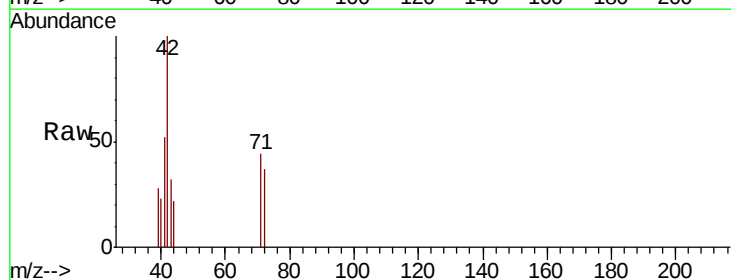
Tgt Ion: 42 Resp: 2251

Ion Ratio Lower Upper

42 100

72 42.5 37.8 56.6

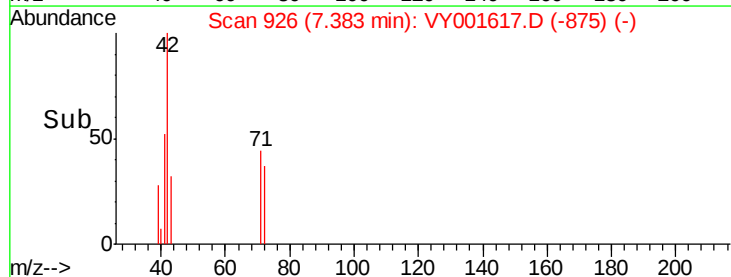
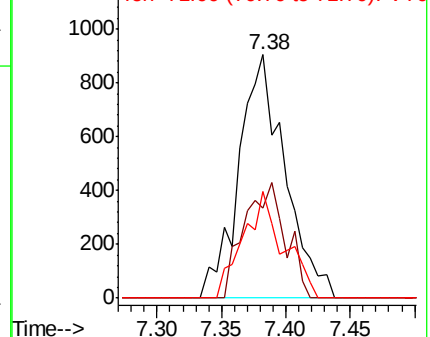
71 38.3 34.8 52.2

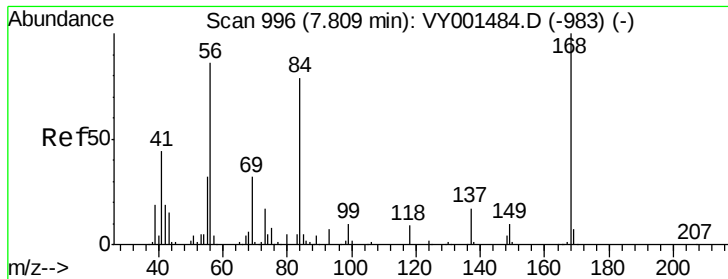


Abundance Ion 42.00 (41.70 to 42.70): VY0

Ion 72.00 (71.70 to 72.70): VY0

Ion 71.00 (70.70 to 71.70): VY0





#31

Cyclohexane

Concen: 1.115 ug/l

RT: 7.82 min Scan# 998

Delta R.T. 0.01 min

Lab File: VY001617.D

Acq: 12 Feb 2020 17:57

Instrument :
MSVOA_Y
ClientSampleId :

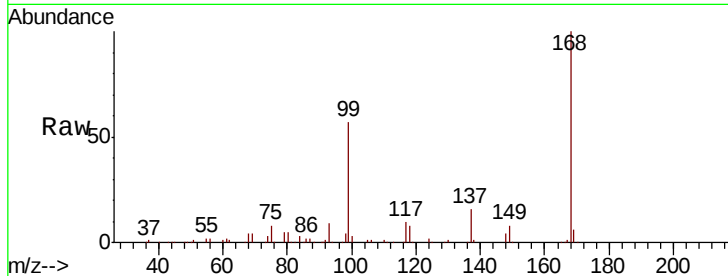
Tot Ion: 56 Resp: 3785

Ion Ratio Lower Upper

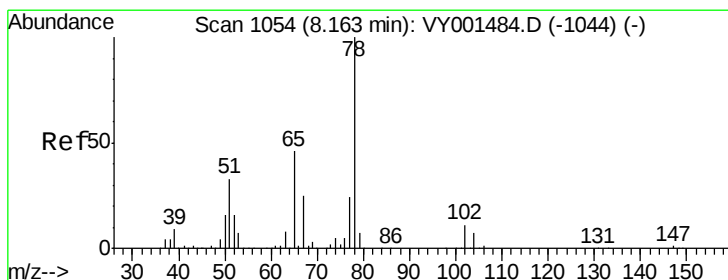
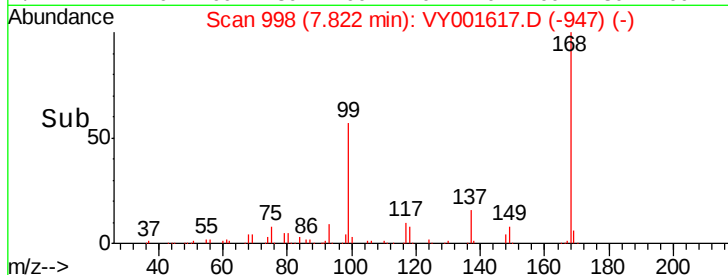
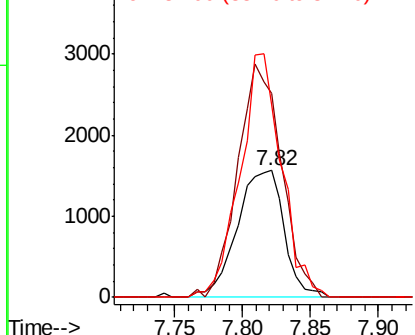
56 100

69 160.9 29.6 44.4#

84 151.7 73.6 110.4#



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: 58.358 ug/l

RT: 8.16 min Scan# 1054

Delta R.T. 0.00 min

Lab File: VY001617.D

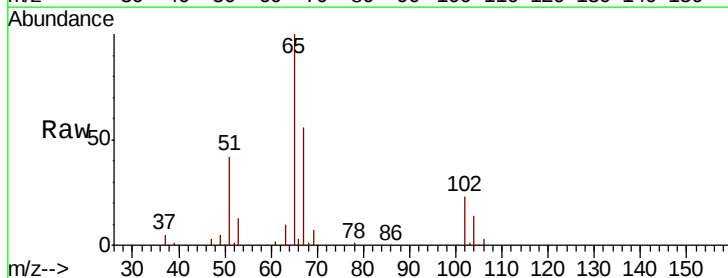
Acq: 12 Feb 2020 17:57

Tgt Ion: 65 Resp: 101731

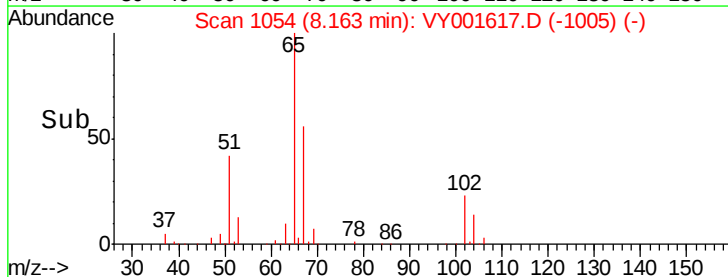
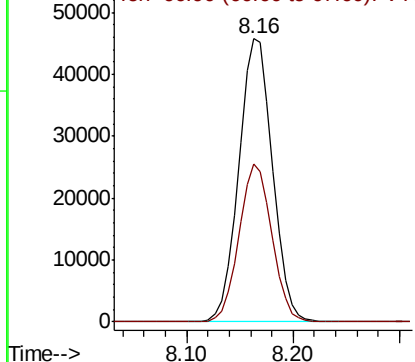
Ion Ratio Lower Upper

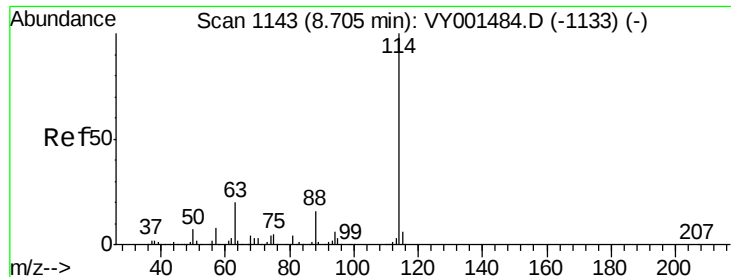
65 100

67 54.5 0.0 108.6



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

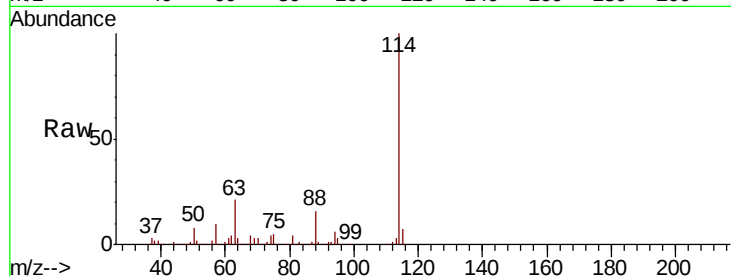




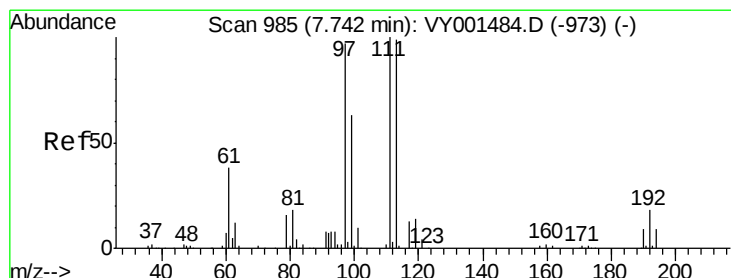
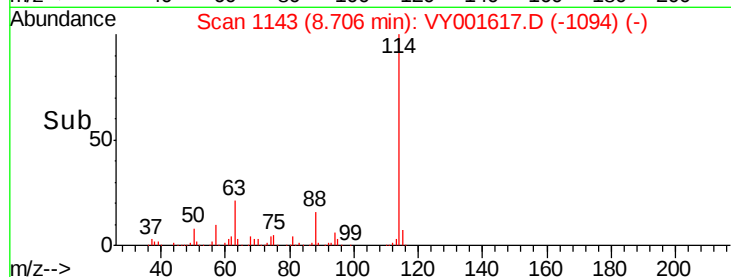
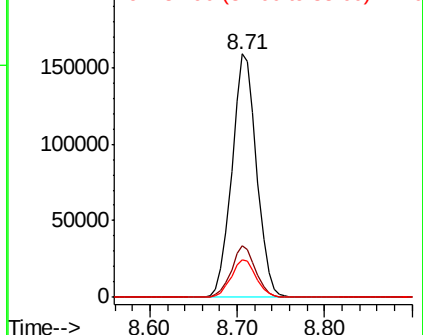
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1143
 Delta R.T. 0.00 min
 Lab File: VY001617.D
 Acq: 12 Feb 2020 17:57

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	21.1	0.0	39.8
88	15.6	0.0	32.6

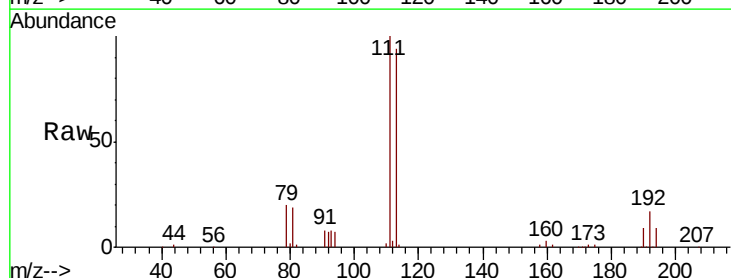


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VY0
 Ion 87.90 (87.60 to 88.60): VY0

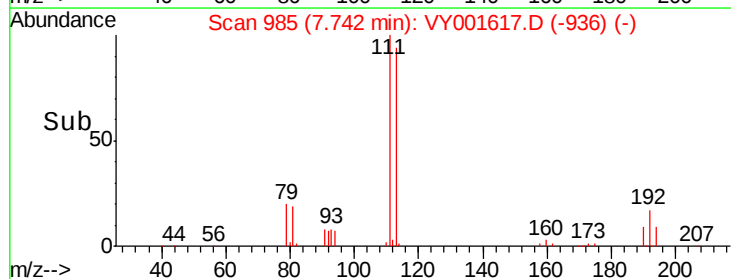
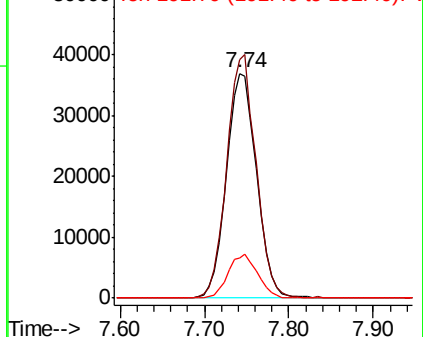


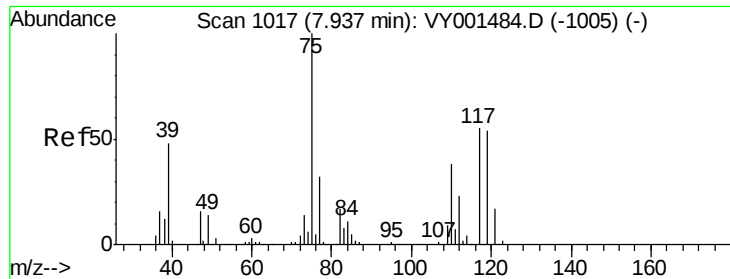
#35
 Dibromofluoromethane
 Concen: 50.150 ug/l
 RT: 7.74 min Scan# 985
 Delta R.T. 0.00 min
 Lab File: VY001617.D
 Acq: 12 Feb 2020 17:57

Tgt Ion	Ratio	Lower	Upper
113	100		
111	105.1	82.9	124.3
192	19.1	14.6	22.0



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

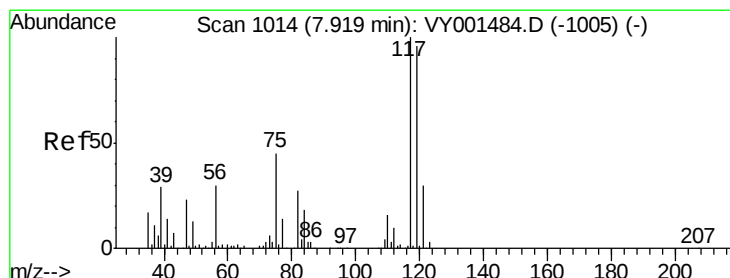
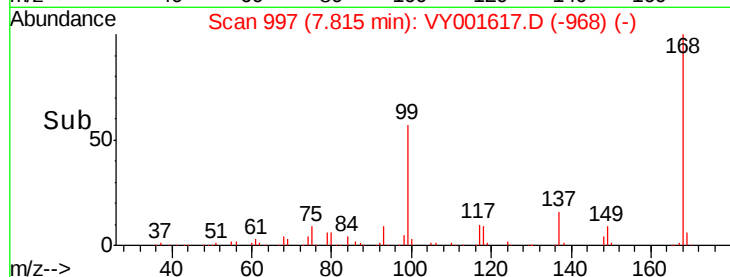
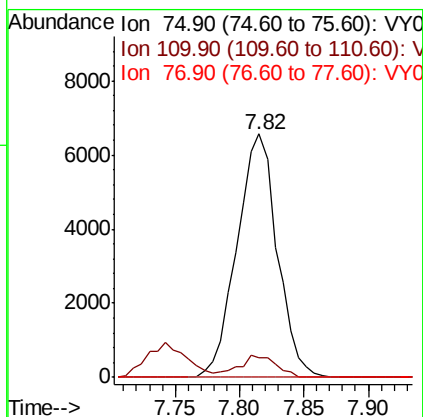
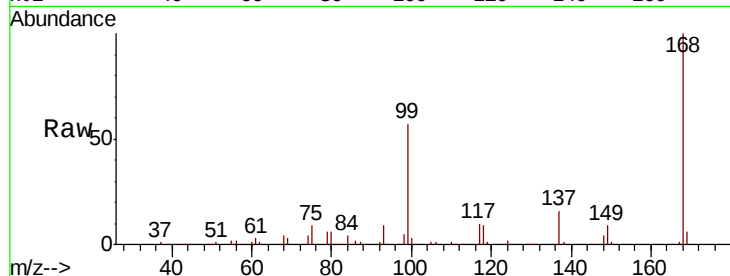




#36
 1,1-Dichloropropene
 Concen: 4.996 ug/l
 RT: 7.82 min Scan# 997
 Delta R.T. -0.12 min
 Lab File: VY001617.D
 Acq: 12 Feb 2020 17:57

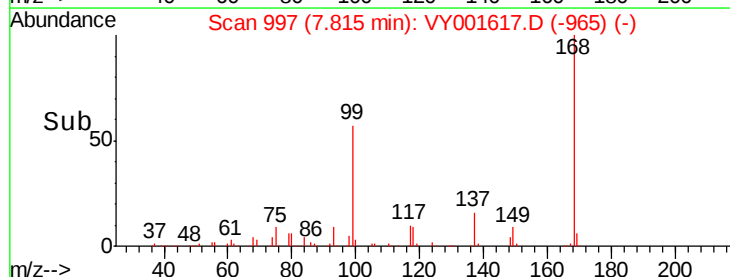
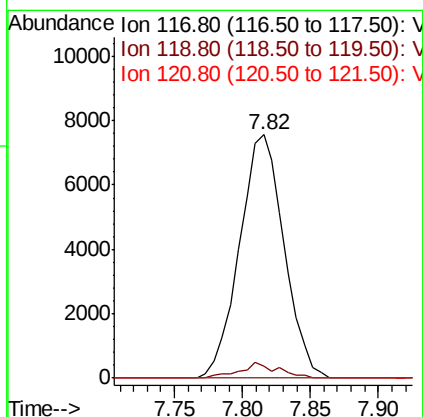
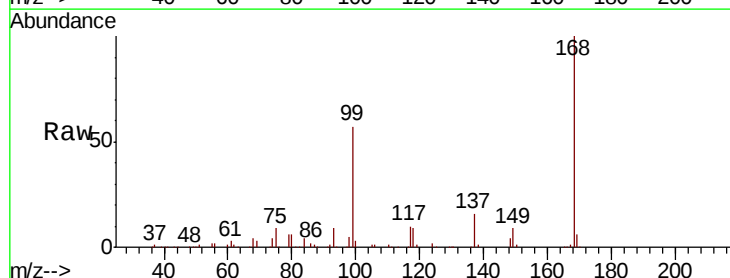
Instrument :
 MSVOA_Y
 ClientSampleId :

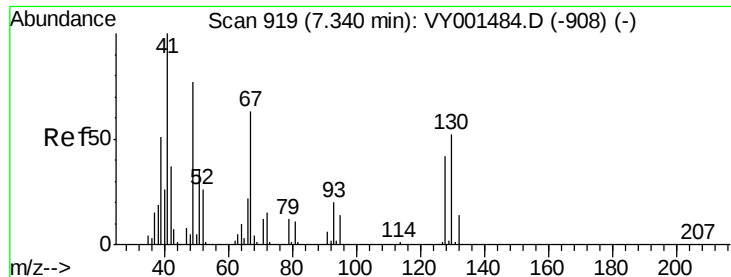
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.5	18.2	54.6#
77	0.0	25.0	37.4#



#38
 Carbon Tetrachloride
 Concen: 6.296 ug/l
 RT: 7.82 min Scan# 997
 Delta R.T. -0.10 min
 Lab File: VY001617.D
 Acq: 12 Feb 2020 17:57

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.1	76.4	114.6#
121	0.0	24.2	36.4#

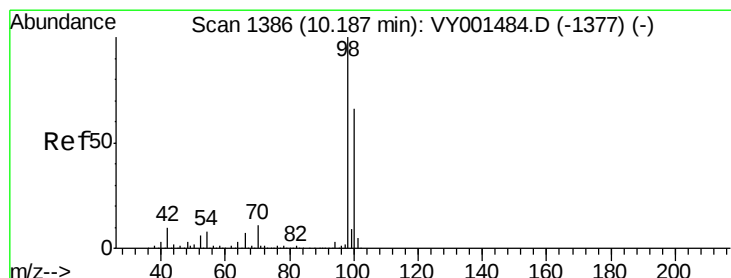
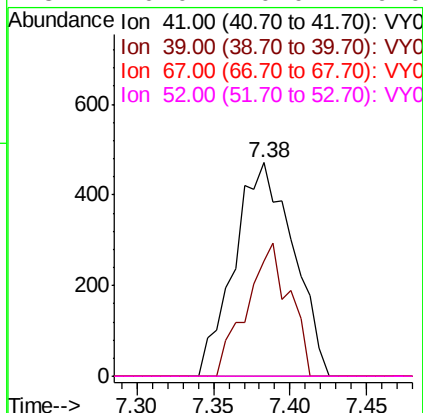
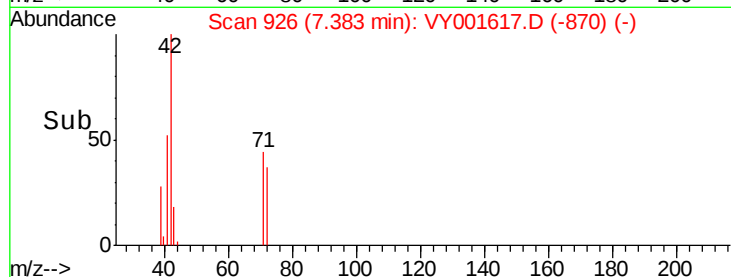
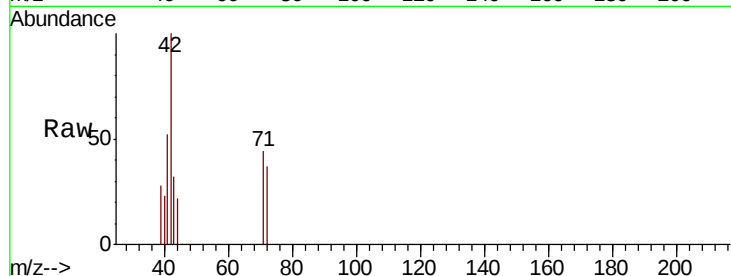




#41
Methacrylonitrile
Concen: 1.986 ug/l
RT: 7.38 min Scan# 926
Delta R.T. 0.04 min
Lab File: VY001617.D
Acq: 12 Feb 2020 17:57

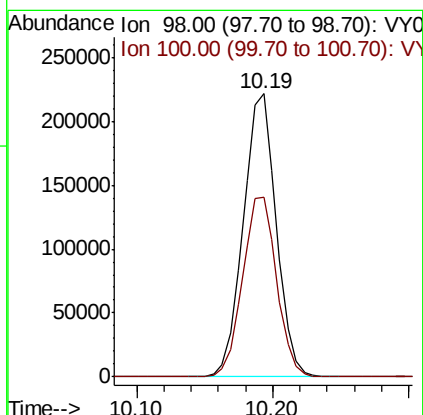
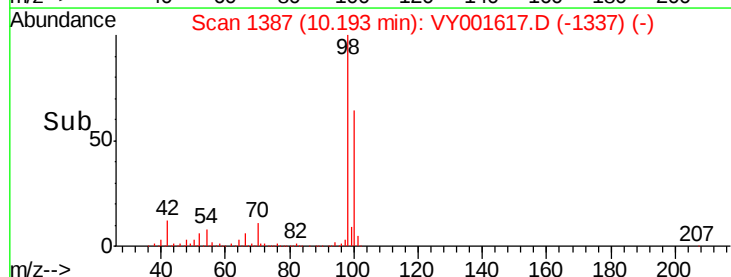
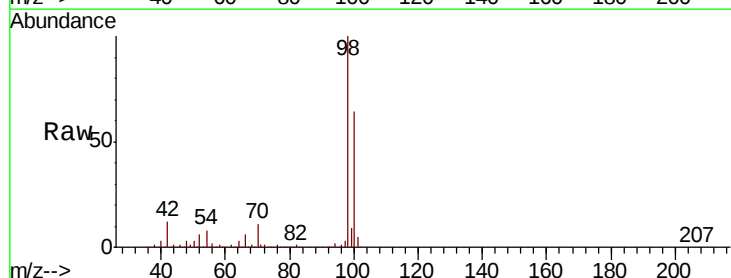
Instrument :
MSVOA_Y
ClientSampleId :

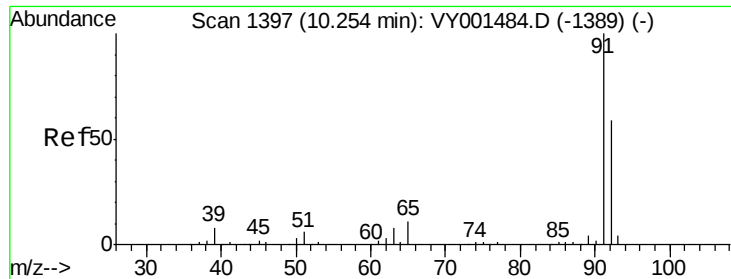
Tot Ion: 41 Resp: 1265
Ion Ratio Lower Upper
41 100
39 45.0 116.8 175.2#
67 0.0 0.0 0.0
52 0.0 0.0 0.0



#50
Toluene-d8
Concen: 55.464 ug/l
RT: 10.19 min Scan# 1387
Delta R.T. 0.01 min
Lab File: VY001617.D
Acq: 12 Feb 2020 17:57

Tgt Ion: 98 Resp: 375434
Ion Ratio Lower Upper
98 100
100 65.6 53.0 79.6





#52

Toluene

Concen: 1.576 ug/l

RT: 10.25 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VY001617.D

Acq: 12 Feb 2020 17:57

Instrument :

MSVOA_Y

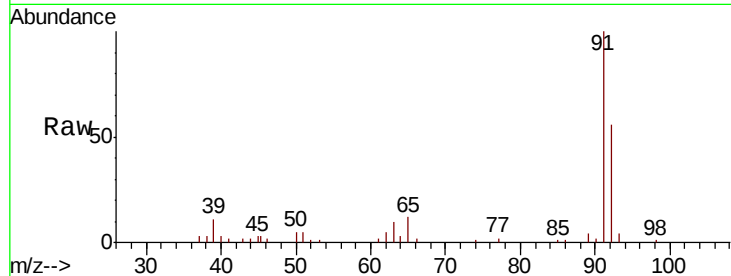
ClientSampleId :

Tot Ion: 92 Resp: 8098

Ion Ratio Lower Upper

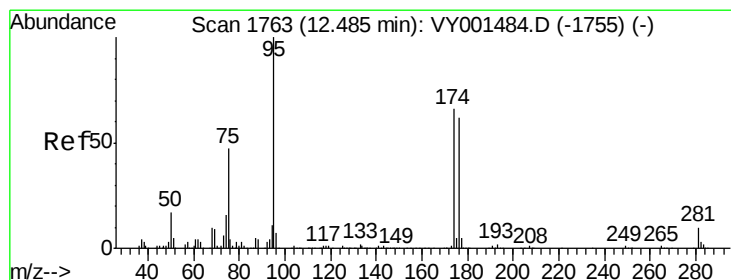
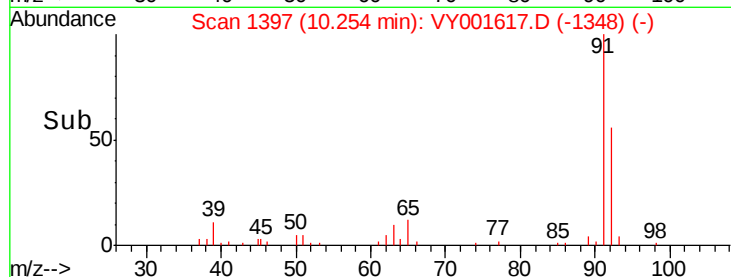
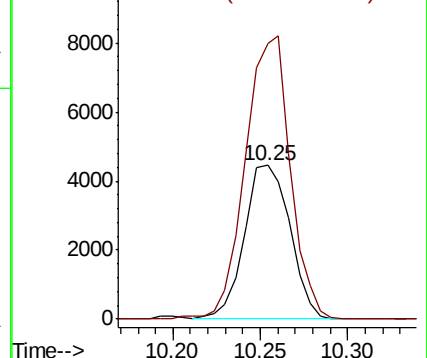
92 100

91 181.3 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VY0

Ion 91.00 (90.70 to 91.70): VY0



#62

4-Bromofluorobenzene

Concen: 48.839 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VY001617.D

Acq: 12 Feb 2020 17:57

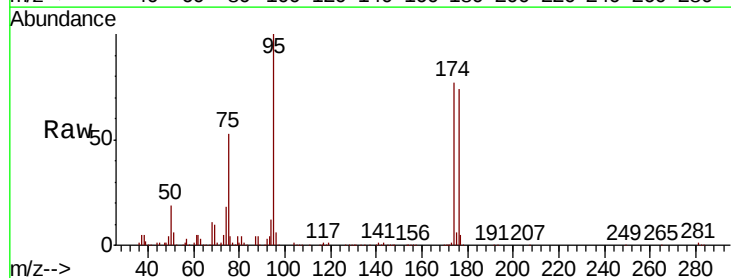
Tgt Ion: 95 Resp: 130234

Ion Ratio Lower Upper

95 100

174 75.0 0.0 141.4

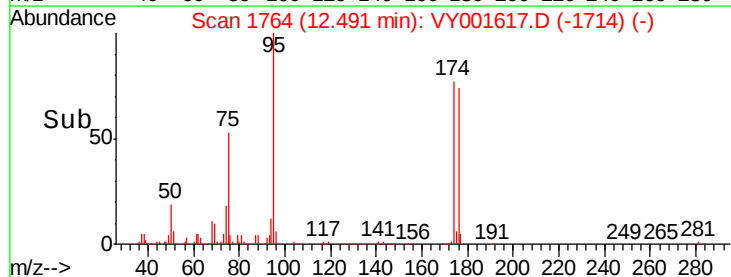
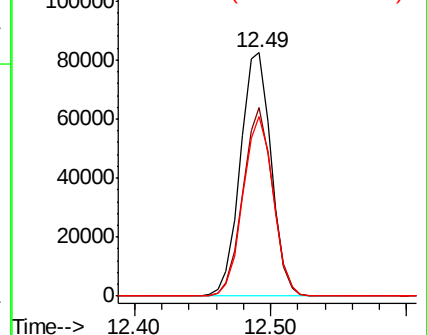
176 72.8 0.0 135.4

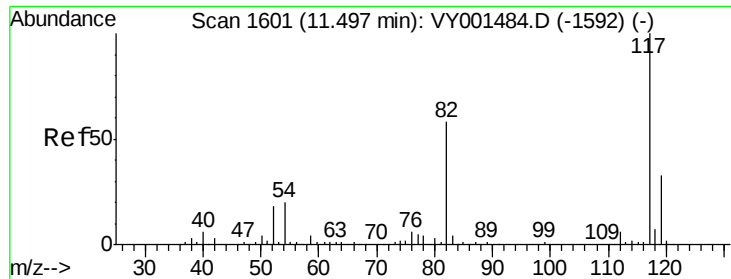


Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

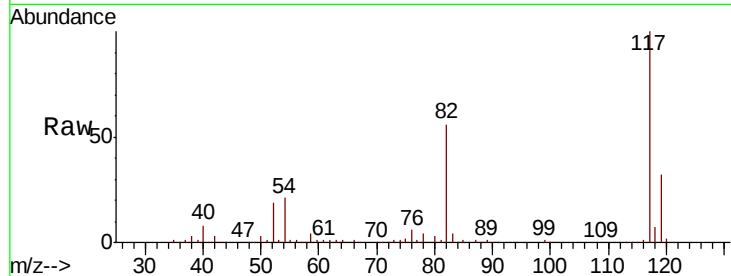




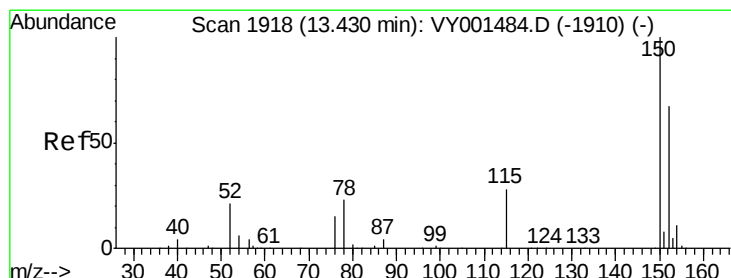
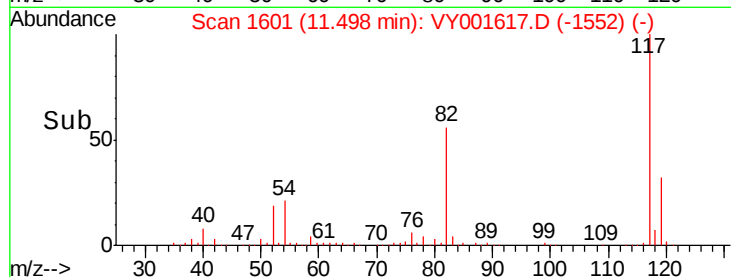
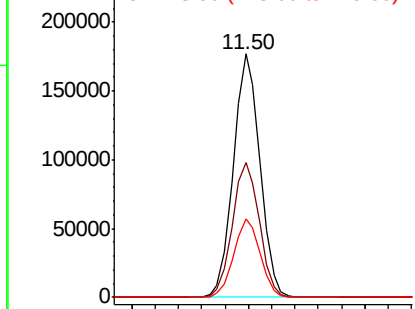
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. 0.00 min
Lab File: VY001617.D
Acq: 12 Feb 2020 17:57

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:117 Resp: 280490
Ion Ratio Lower Upper
117 100
82 55.6 46.1 69.1
119 32.1 26.1 39.1

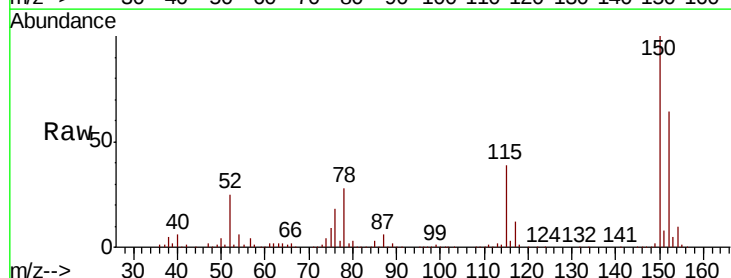


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

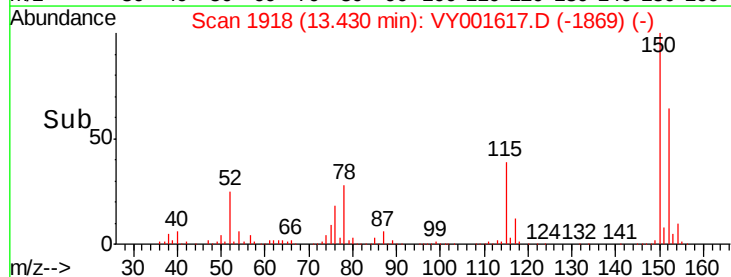
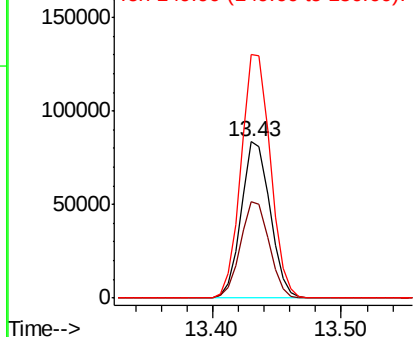


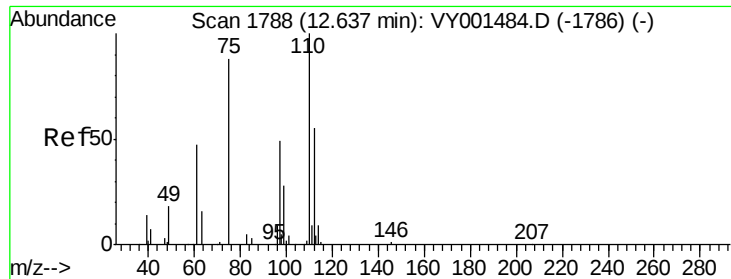
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.43 min Scan# 1918
Delta R.T. 0.00 min
Lab File: VY001617.D
Acq: 12 Feb 2020 17:57

Tgt Ion:152 Resp: 128935
Ion Ratio Lower Upper
152 100
115 61.4 31.4 94.3
150 158.4 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: 48.468 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.15 min

Lab File: VY001617.D

Acq: 12 Feb 2020 17:57

Instrument :

MSVOA_Y

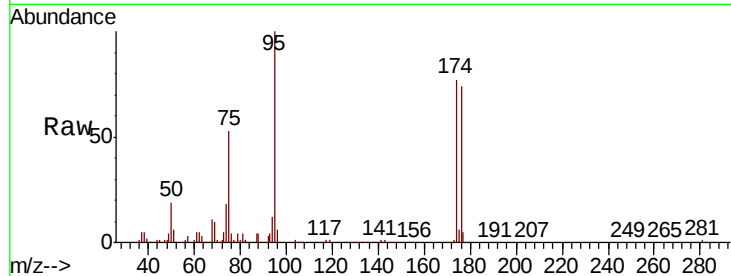
ClientSampleId :

Tot Ion: 75 Resp: 67204

Ion Ratio Lower Upper

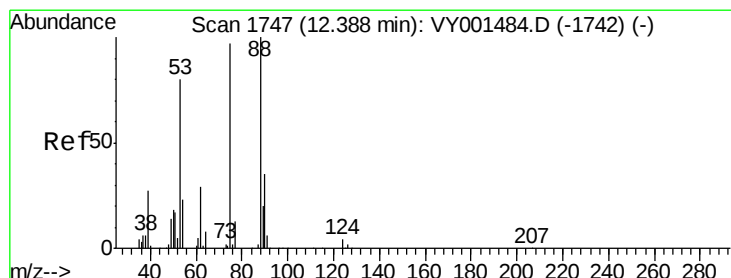
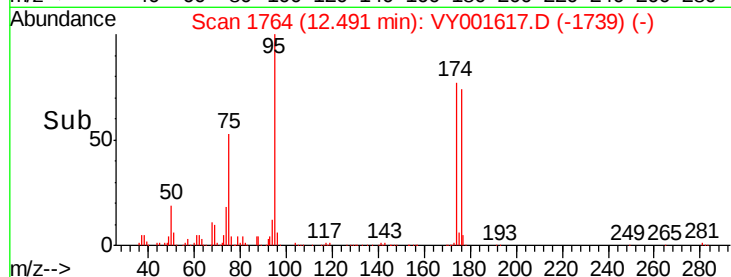
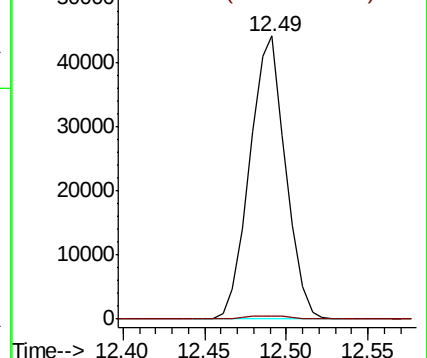
75 100

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: 93.783 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.10 min

Lab File: VY001617.D

Acq: 12 Feb 2020 17:57

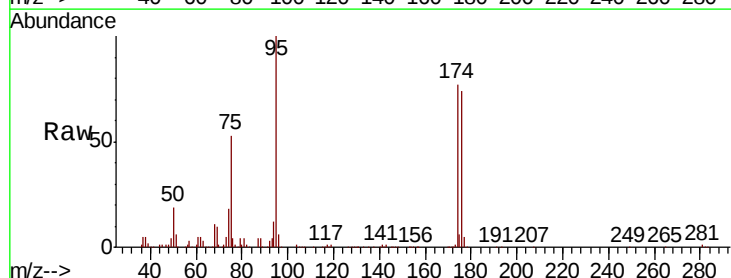
Tgt Ion: 75 Resp: 67204

Ion Ratio Lower Upper

75 100

53 0.0 67.7 101.5#

89 0.1 34.6 52.0#



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

