

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY022820\
 Data File : VY001793.D
 Acq On : 28 Feb 2020 10:27
 Operator : SY/MD
 Sample : VY0228SBL01
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0228SBL01

Quant Time: Feb 28 12:49:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y021720S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 17 12:19:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	156709	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	294440	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	261947	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	112631	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.17	65	90424	53.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.28%	
35) Dibromofluoromethane	7.75	113	85682	50.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.62%	
50) Toluene-d8	10.19	98	351940	53.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.54%	
62) 4-Bromofluorobenzene	12.49	95	117732	45.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.74%	

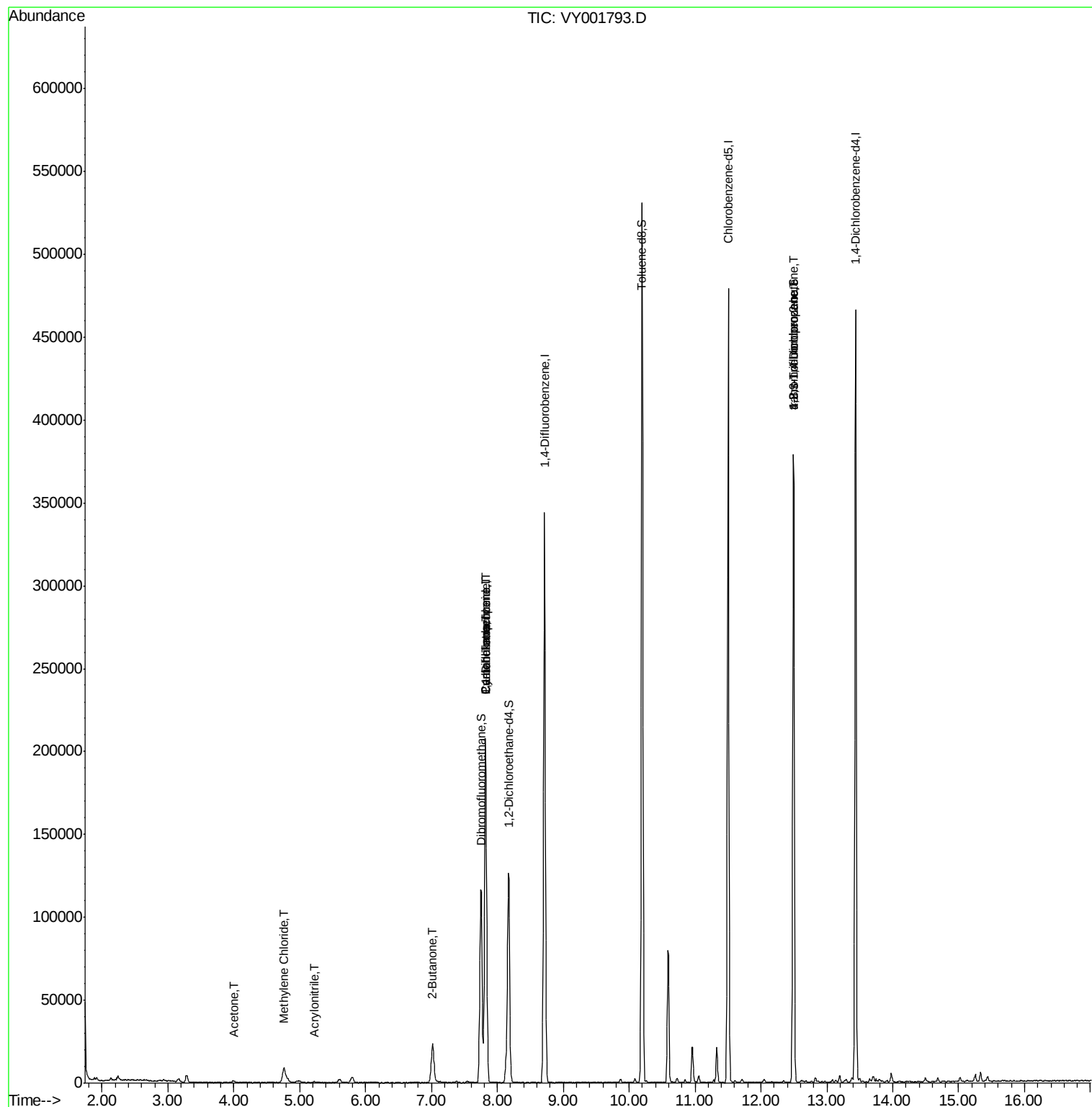
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.97	59	896	Below Cal	#	74
15) Acrylonitrile	5.21	53	700	1.31	ug/l	# 83
16) Acetone	4.00	43	1691	2.90	ug/l	94
20) Methylene Chloride	4.77	84	6391	3.08	ug/l	89
25) 2-Butanone	7.02	43	2000	2.52	ug/l	# 74
31) Cyclohexane	7.82	56	3738	1.06	ug/l	# 1
36) 1,1-Dichloropropene	7.82	75	13110	4.66	ug/l	# 51
38) Carbon Tetrachloride	7.82	117	15991	6.47	ug/l	# 17
58) 2-Chloroethyl Vinyl ether	9.80	63	83	Below Cal	#	48
76) 1,2,3-Trichloropropane	12.49	75	59930	46.38	ug/l	# 100
81) trans-1,4-Dichloro-2-buten	12.49	75	59930	88.00	ug/l	# 17

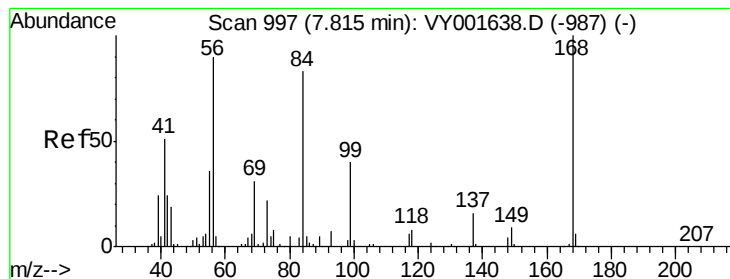
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_Y\DATA\VY022820\
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.82 min Scan# 998

Delta R.T. 0.01 min

Lab File: VY001793.D

Acq: 28 Feb 2020 10:27

Instrument :

MSVOA_Y

ClientSampleId :

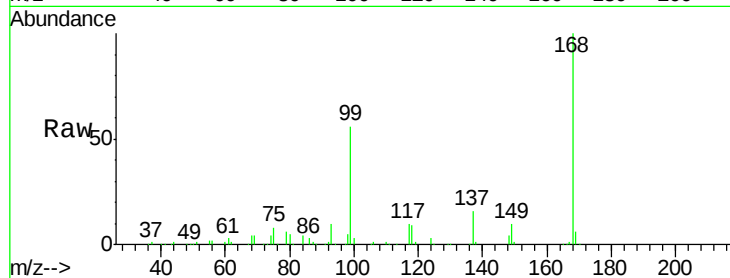
VY0228SBL01

Tgt Ion:168 Resp: 156709

Ion Ratio Lower Upper

168 100

99 55.8 47.5 71.3



Abundance Ion 167.90 (167.60 to 168.60): VY001793.D (-948) (-)

Ion 98.90 (98.60 to 99.60): VY001793.D (-948) (-)

7.82

80000

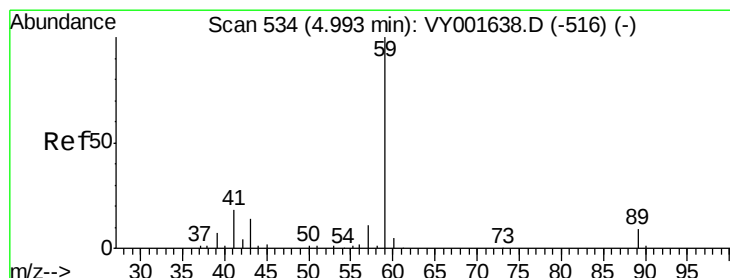
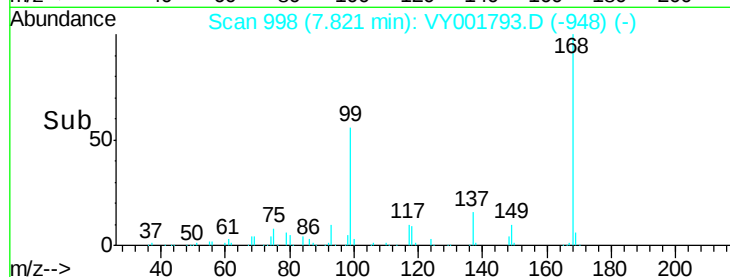
60000

40000

20000

0

Time--> 7.70 7.80 7.90



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.97 min Scan# 530

Delta R.T. -0.02 min

Lab File: VY001793.D

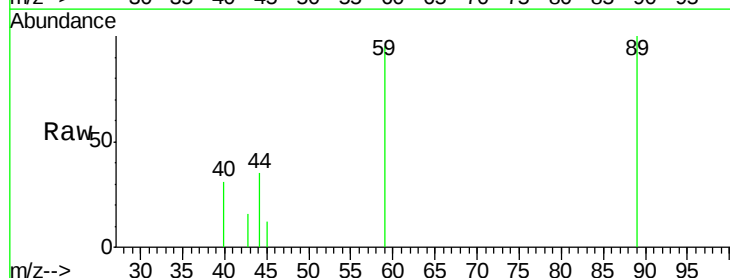
Acq: 28 Feb 2020 10:27

Tgt Ion: 59 Resp: 896

Ion Ratio Lower Upper

59 100

57 0.0 7.4 11.2#



Abundance Ion 59.00 (58.70 to 59.70): VY001793.D (-485) (-)

Ion 57.00 (56.70 to 57.70): VY001793.D (-485) (-)

4.97

500

400

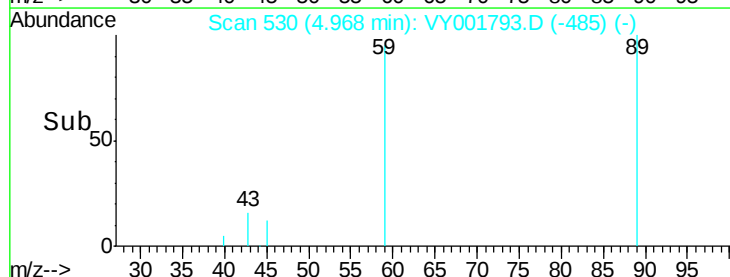
300

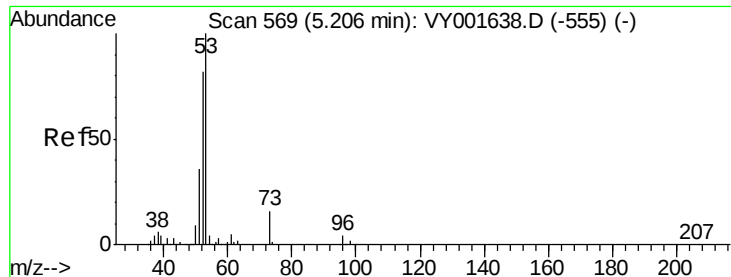
200

100

0

Time--> 4.90 4.95 5.00





#15

Acrylonitrile

Concen: 1.31 ug/l

RT: 5.21 min Scan# 570

Delta R.T. 0.01 min

Lab File: VY001793.D

Acq: 28 Feb 2020 10:27

Instrument :

MSVOA_Y

ClientSampleId :

VY0228SBL01

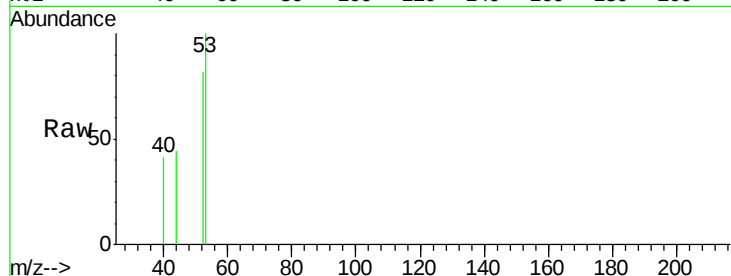
Tgt Ion: 53 Resp: 700

Ion Ratio Lower Upper

53 100

52 75.9 65.4 98.0

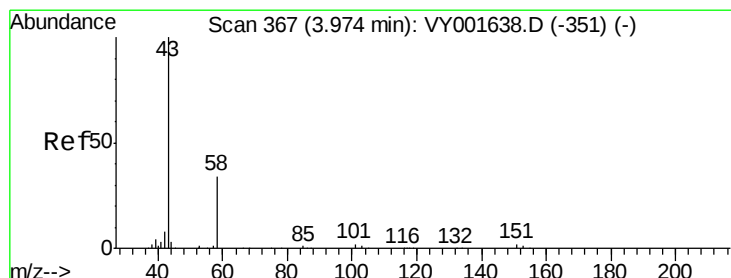
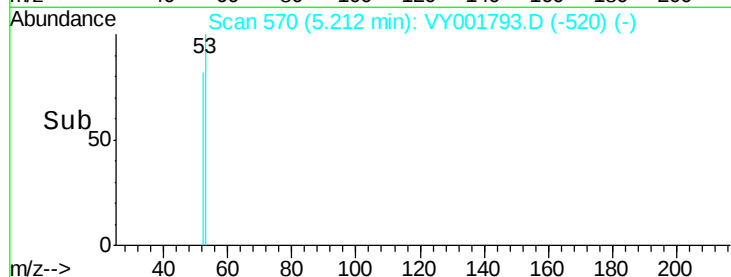
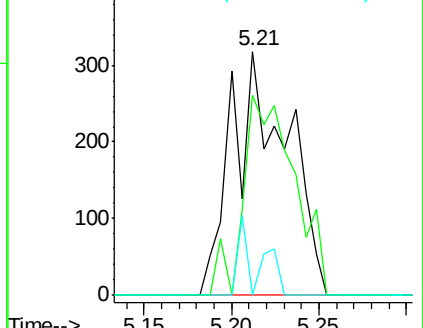
51 11.4 28.0 42.0#



Abundance Ion 53.00 (52.70 to 53.70): VY0

Ion 52.00 (51.70 to 52.70): VY0

Ion 51.00 (50.70 to 51.70): VY0



#16

Acetone

Concen: 2.90 ug/l

RT: 4.00 min Scan# 371

Delta R.T. 0.02 min

Lab File: VY001793.D

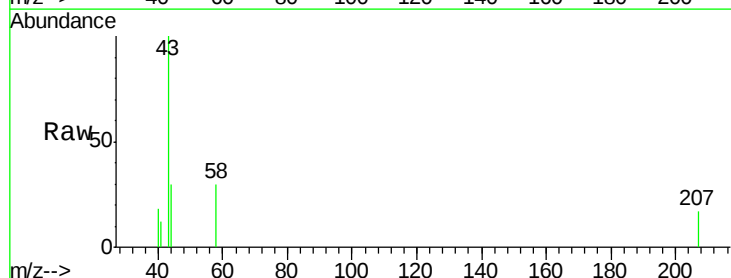
Acq: 28 Feb 2020 10:27

Tgt Ion: 43 Resp: 1691

Ion Ratio Lower Upper

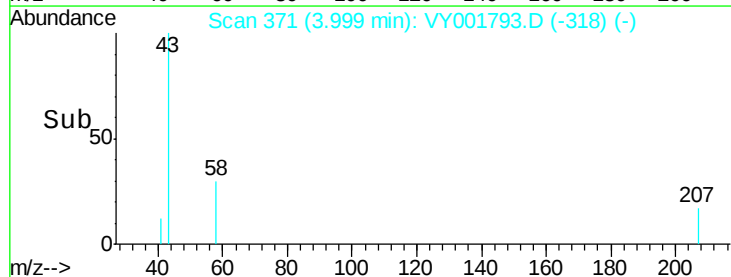
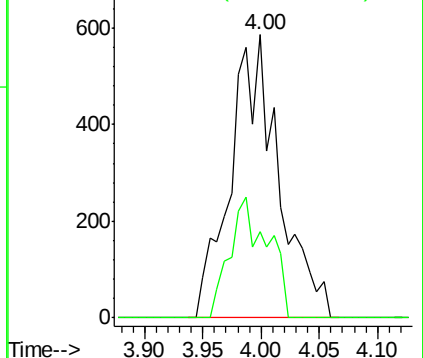
43 100

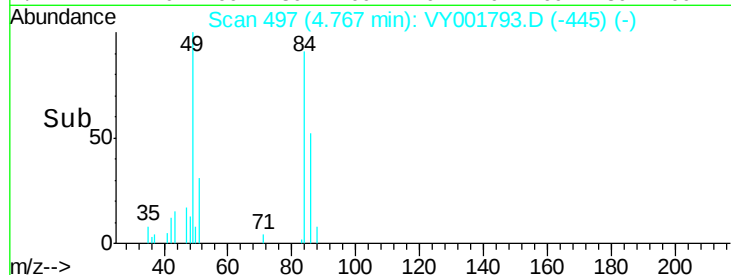
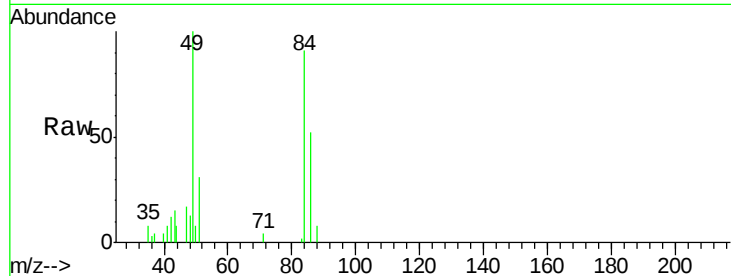
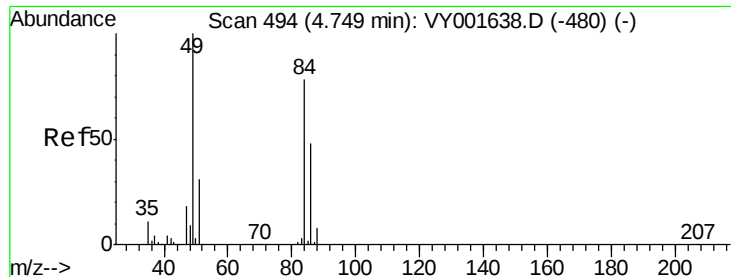
58 30.4 27.3 40.9



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

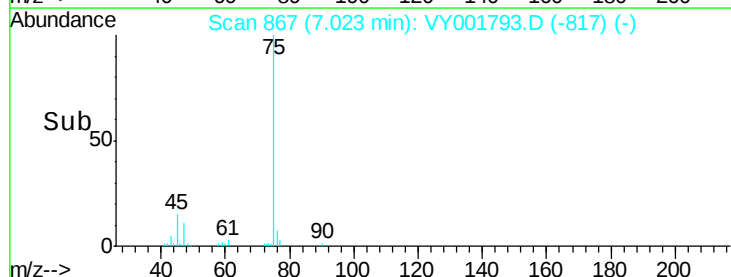
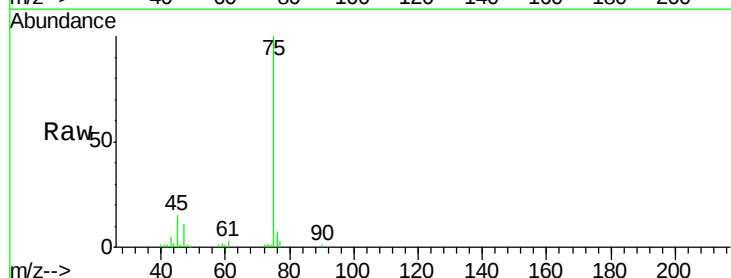
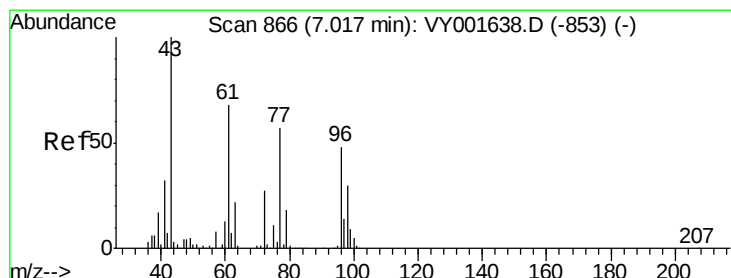
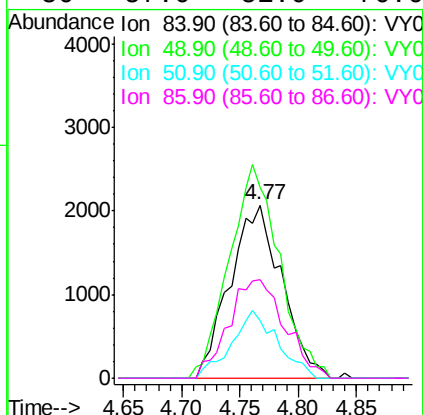




#20
Methylene Chloride
Concen: 3.08 ug/l
RT: 4.77 min Scan# 497
Delta R.T. 0.02 min
Lab File: VY001793.D
Acq: 28 Feb 2020 10:27

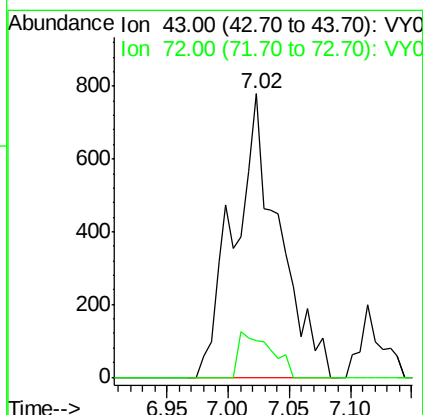
Instrument :
MSVOA_Y
ClientSampleId :
VY0228SBL01

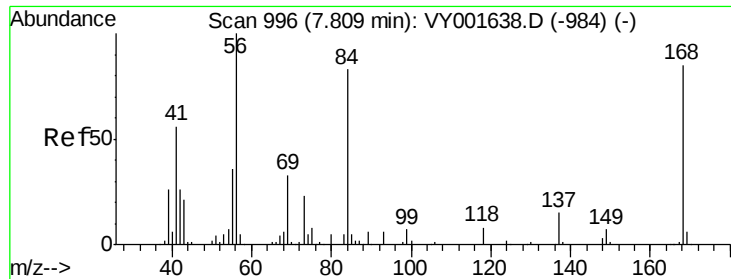
Tgt Ion:	84	Resp:	6391
Ion	Ratio	Lower	Upper
84	100		
49	110.1	99.2	148.8
51	33.7	31.5	47.3
86	57.0	51.0	76.6



#25
2-Butanone
Concen: 2.52 ug/l
RT: 7.02 min Scan# 867
Delta R.T. 0.01 min
Lab File: VY001793.D
Acq: 28 Feb 2020 10:27

Tgt Ion:	43	Resp:	2000
Ion	Ratio	Lower	Upper
43	100		
72	13.1	21.2	31.8#

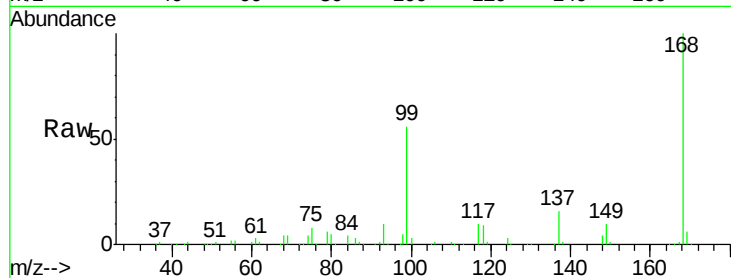




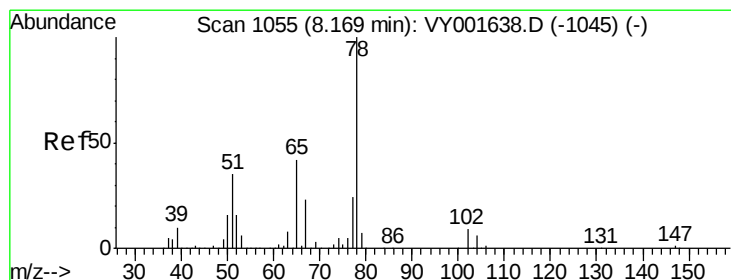
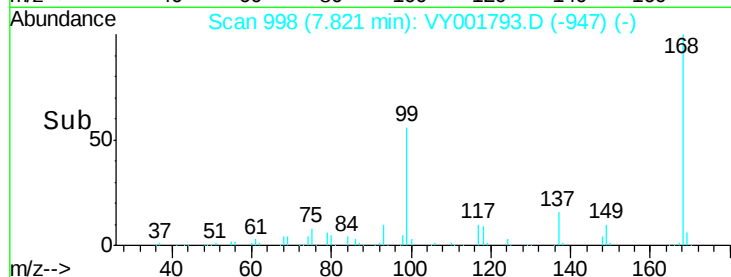
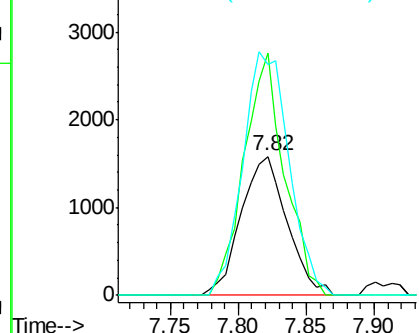
#31
Cyclohexane
Concen: 1.06 ug/l
RT: 7.82 min Scan# 998
Delta R.T. 0.01 min
Lab File: VY001793.D
Acq: 28 Feb 2020 10:27

Instrument :
MSVOA_Y
ClientSampleId :
VY0228SBL01

Tgt Ion: 56 Resp: 3738
Ion Ratio Lower Upper
56 100
69 175.1 25.1 37.7#
84 166.2 66.9 100.3#

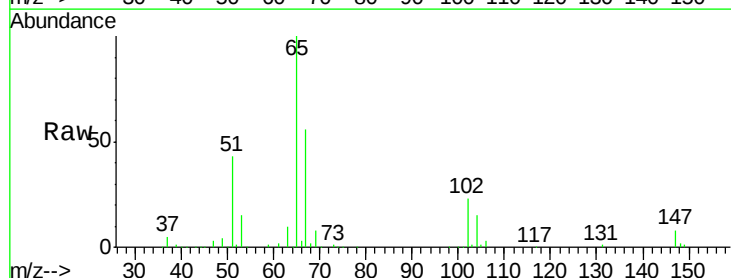


Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0

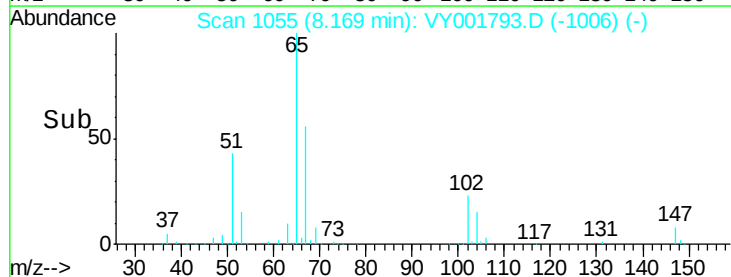
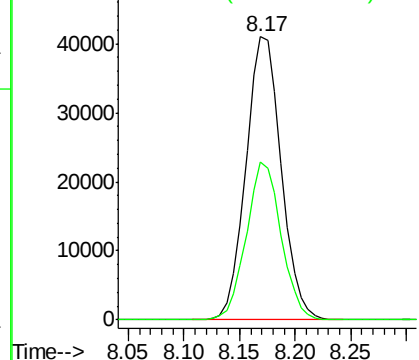


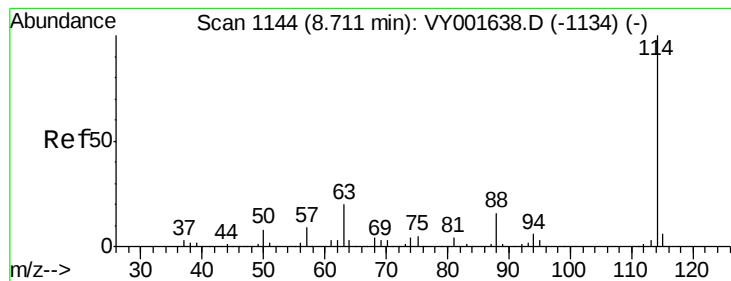
#33
1,2-Dichloroethane-d4
Concen: 53.64 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. 0.00 min
Lab File: VY001793.D
Acq: 28 Feb 2020 10:27

Tgt Ion: 65 Resp: 90424
Ion Ratio Lower Upper
65 100
67 55.1 0.0 111.0



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





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.71 min Scan# 1144

Delta R.T. 0.00 min

Lab File: VY001793.D

Acq: 28 Feb 2020 10:27

Instrument :

MSVOA_Y

ClientSampleId :

VY0228SBL01

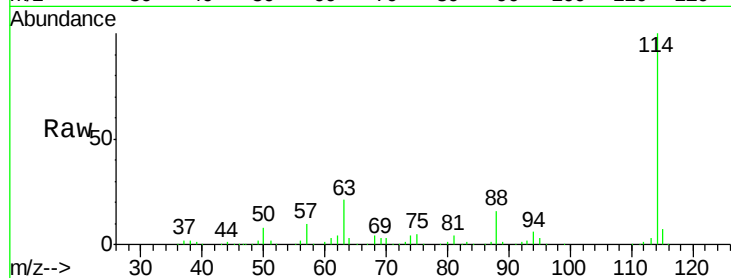
Tgt Ion:114 Resp: 294440

Ion Ratio Lower Upper

114 100

63 20.7 0.0 41.4

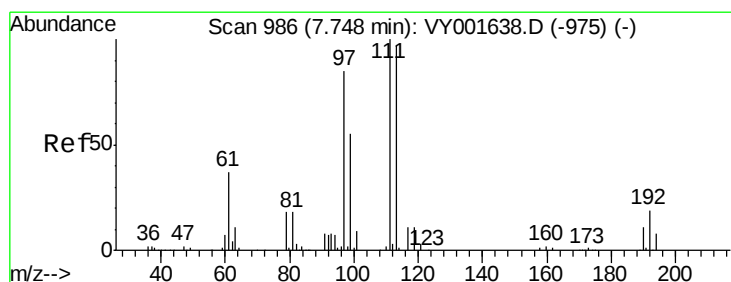
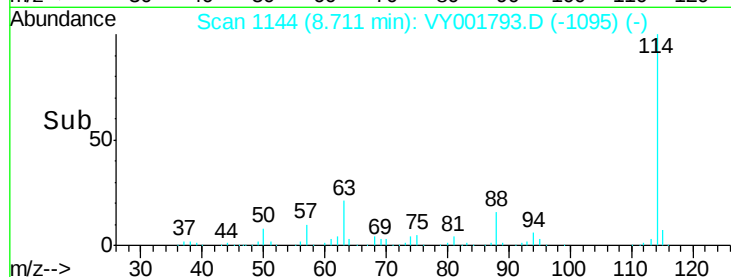
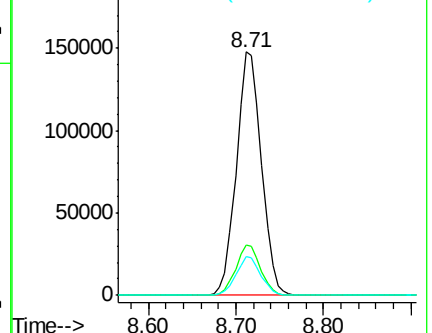
88 15.7 0.0 32.8



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: 50.81 ug/l

RT: 7.75 min Scan# 987

Delta R.T. 0.01 min

Lab File: VY001793.D

Acq: 28 Feb 2020 10:27

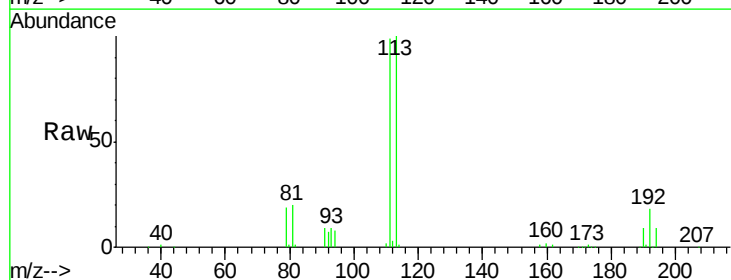
Tgt Ion:113 Resp: 85682

Ion Ratio Lower Upper

113 100

111 103.1 81.9 122.9

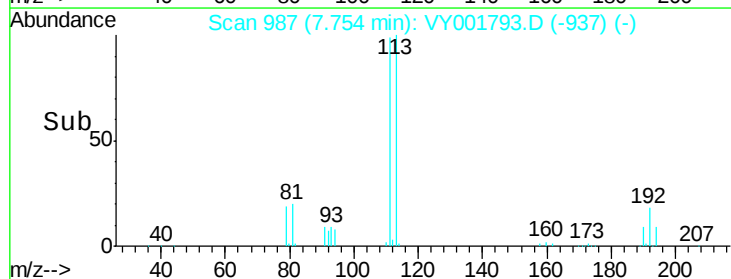
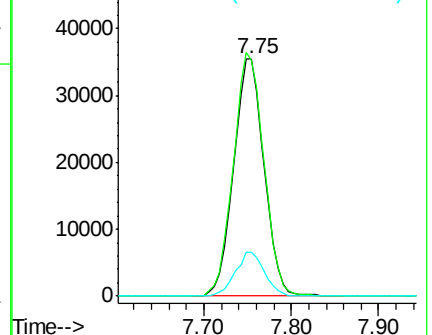
192 17.8 14.3 21.5

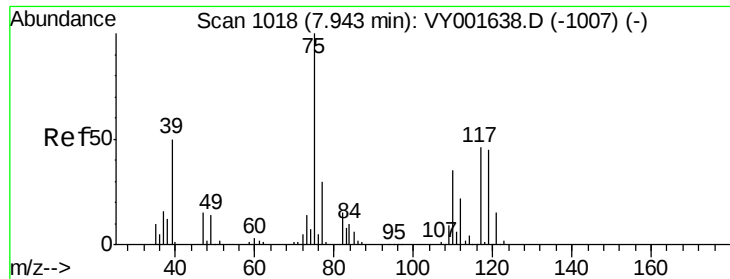


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

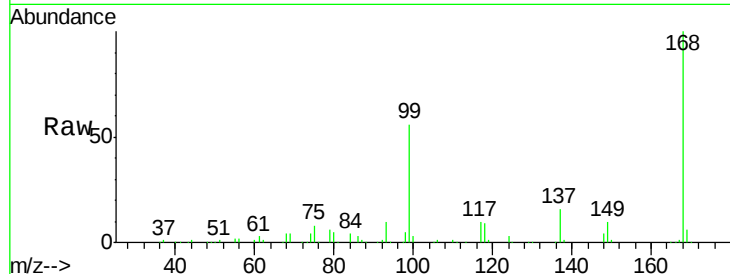




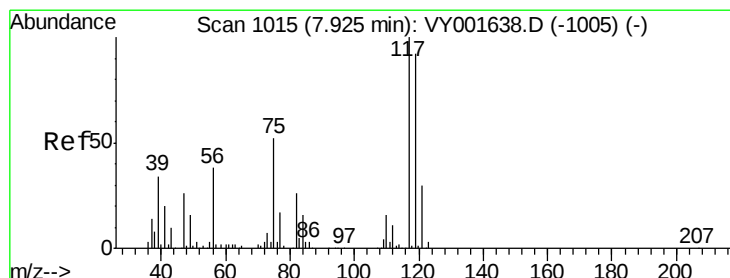
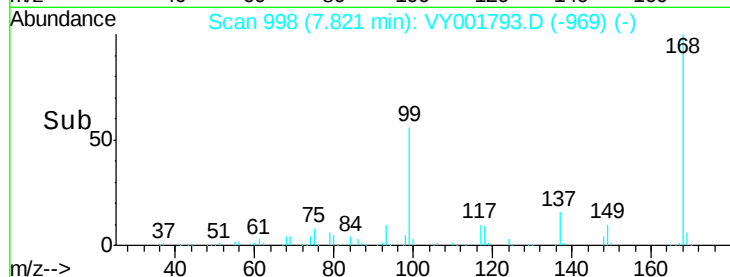
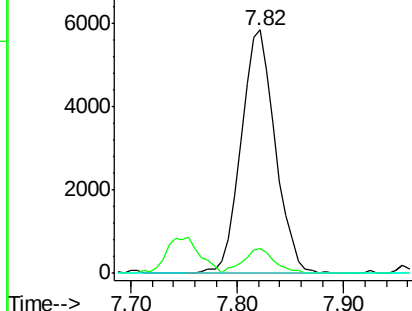
#36
 1,1-Dichloropropene
 Concen: 4.66 ug/l
 RT: 7.82 min Scan# 998
 Delta R.T. -0.12 min
 Lab File: VY001793.D
 Acq: 28 Feb 2020 10:27

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0228SBL01

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.5	17.2	51.6#
77	0.0	24.8	37.2#

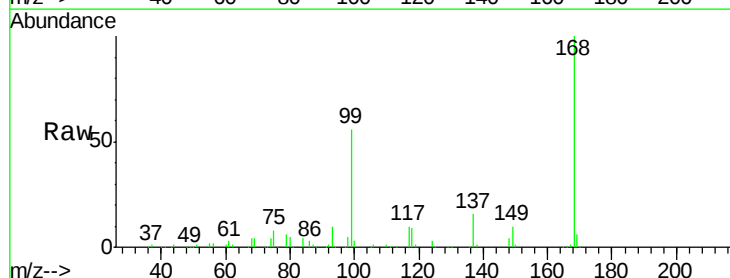


Abundance Ion 74.90 (74.60 to 75.60): VY001638.D (-1007) (-)
 Ion 109.90 (109.60 to 110.60): VY001638.D (-1007) (-)
 Ion 76.90 (76.60 to 77.60): VY001638.D (-1007) (-)

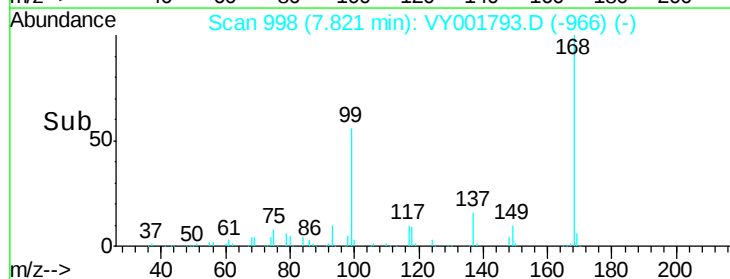
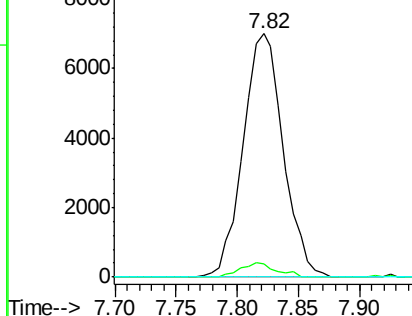


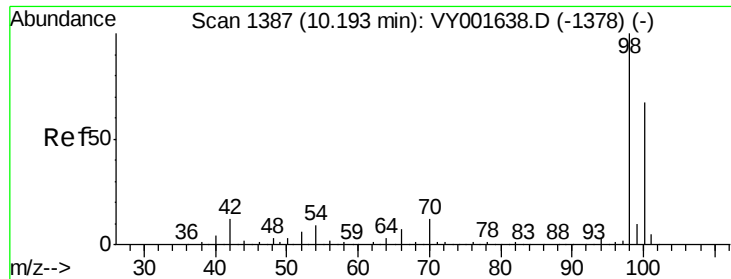
#38
 Carbon Tetrachloride
 Concen: 6.47 ug/l
 RT: 7.82 min Scan# 998
 Delta R.T. -0.10 min
 Lab File: VY001793.D
 Acq: 28 Feb 2020 10:27

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.2	74.8	112.2#
121	0.0	23.8	35.6#



Abundance Ion 116.80 (116.50 to 117.50): VY001638.D (-1005) (-)
 Ion 118.80 (118.50 to 119.50): VY001638.D (-1005) (-)
 Ion 120.80 (120.50 to 121.50): VY001638.D (-1005) (-)





#50

Toluene-d8

Concen: 53.27 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. 0.00 min

Lab File: VY001793.D

Acq: 28 Feb 2020 10:27

Instrument :

MSVOA_Y

ClientSampleId :

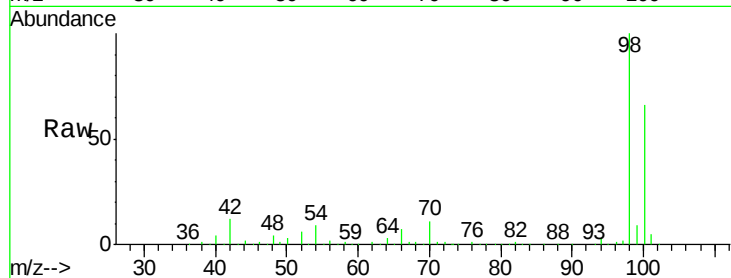
VY0228SBL01

Tgt Ion: 98 Resp: 351940

Ion Ratio Lower Upper

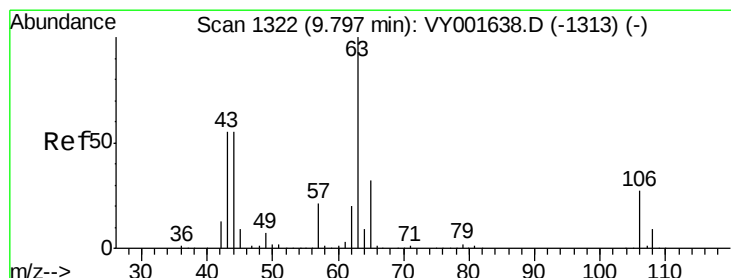
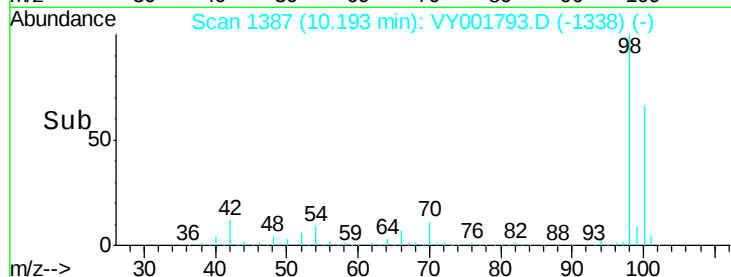
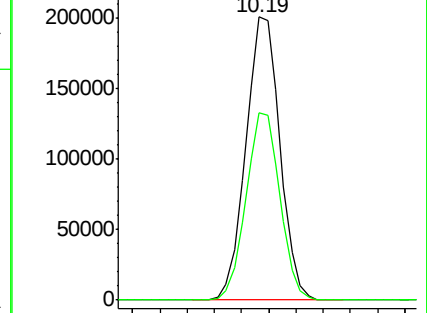
98 100

100 65.9 53.0 79.4



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY0



#58

2-Chloroethyl Vinyl ether

Concen: Below Cal

RT: 9.80 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VY001793.D

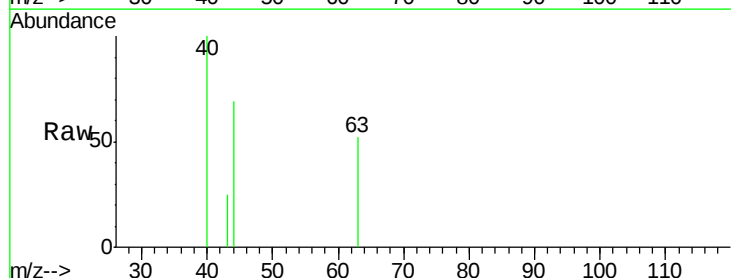
Acq: 28 Feb 2020 10:27

Tgt Ion: 63 Resp: 83

Ion Ratio Lower Upper

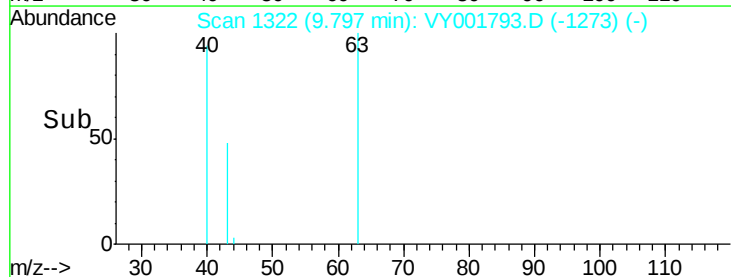
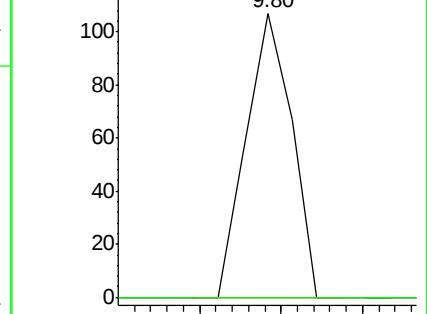
63 100

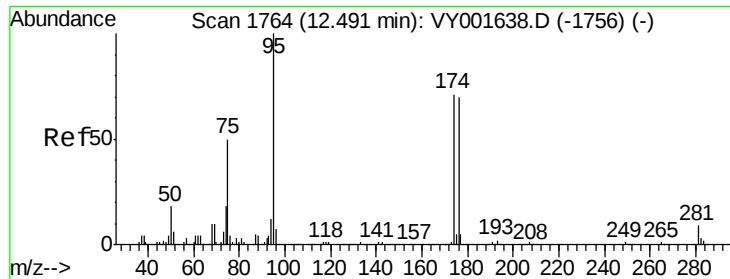
106 0.0 21.6 32.4#



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 105.90 (105.60 to 106.60): VY0

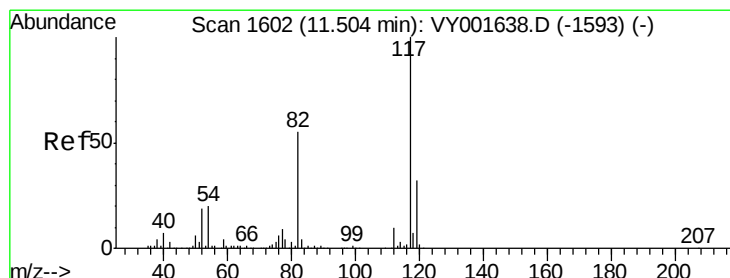
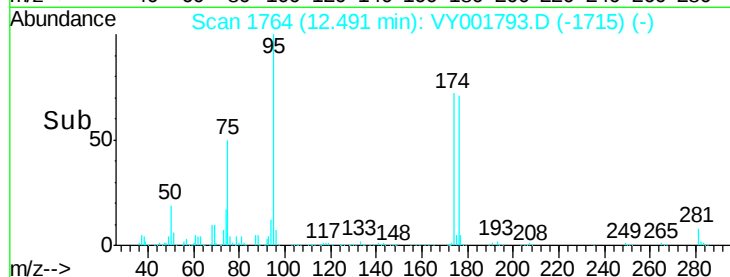
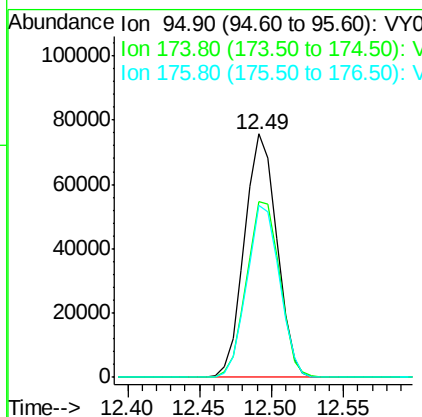
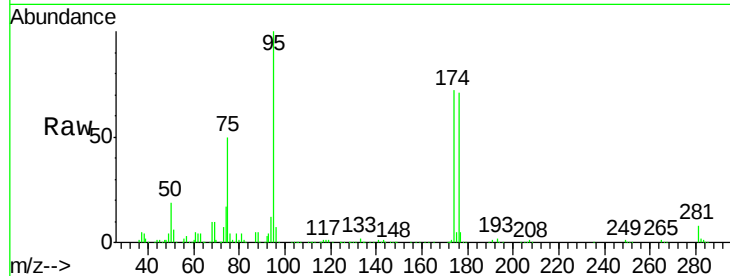




#62
4-Bromofluorobenzene
Concen: 45.87 ug/l
RT: 12.49 min Scan# 1764
Delta R.T. 0.00 min
Lab File: VY001793.D
Acq: 28 Feb 2020 10:27

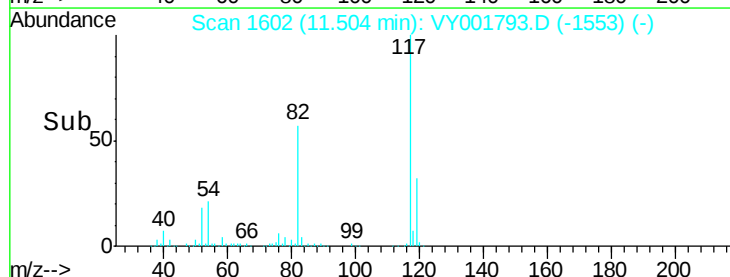
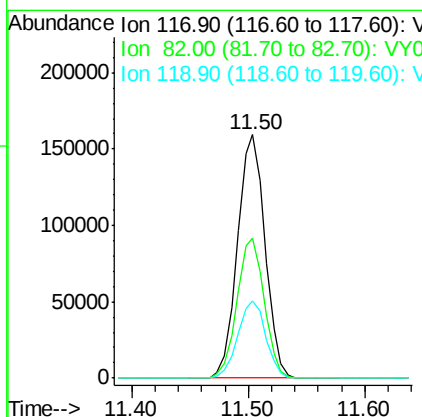
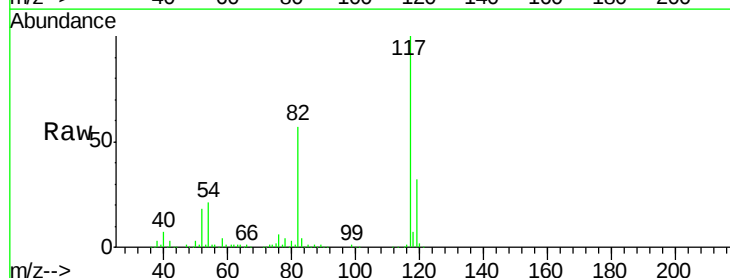
Instrument :
MSVOA_Y
ClientSampleId :
VY0228SBL01

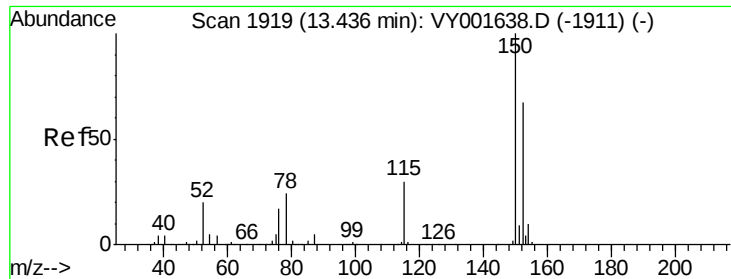
Tgt Ion: 95 Resp: 117732
Ion Ratio Lower Upper
95 100
174 73.7 0.0 138.4
176 71.4 0.0 131.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.00 min
Lab File: VY001793.D
Acq: 28 Feb 2020 10:27

Tgt Ion: 117 Resp: 261947
Ion Ratio Lower Upper
117 100
82 57.5 45.5 68.3
119 31.7 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.44 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VY001793.D

Acq: 28 Feb 2020 10:27

Instrument :

MSVOA_Y

ClientSampleId :

VY0228SBL01

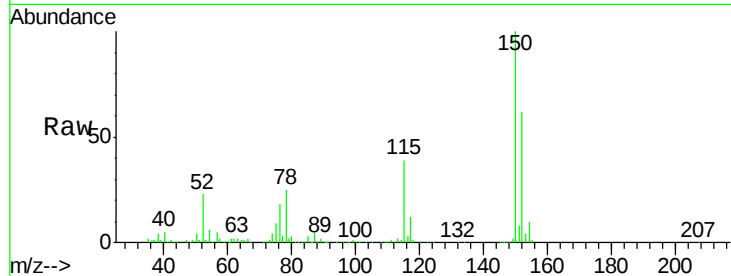
Tgt Ion:152 Resp: 112631

Ion Ratio Lower Upper

152 100

115 61.3 31.4 94.2

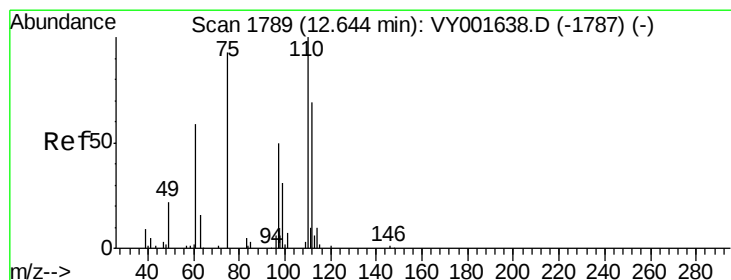
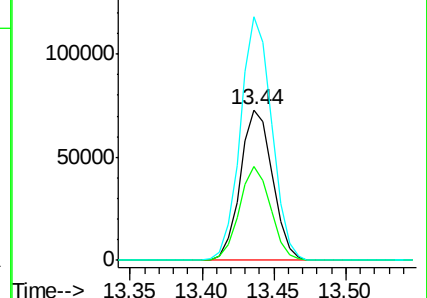
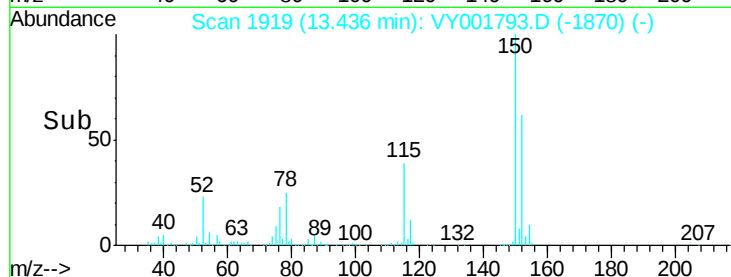
150 158.7 0.0 407.2



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: 46.38 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.15 min

Lab File: VY001793.D

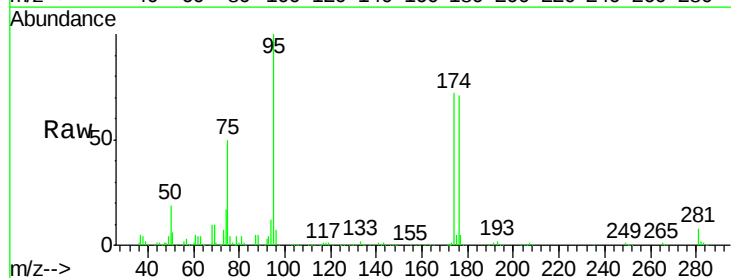
Acq: 28 Feb 2020 10:27

Tgt Ion: 75 Resp: 59930

Ion Ratio Lower Upper

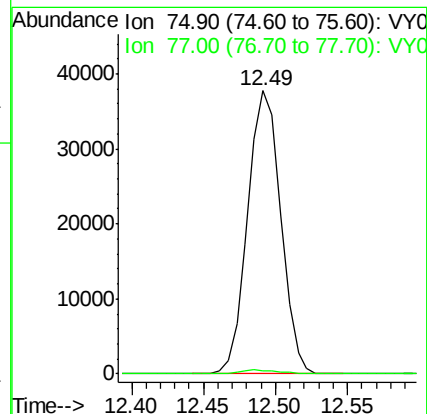
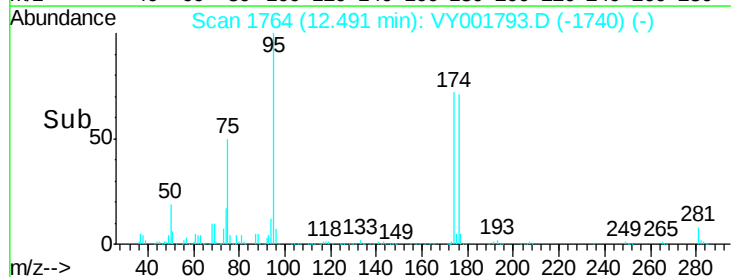
75 100

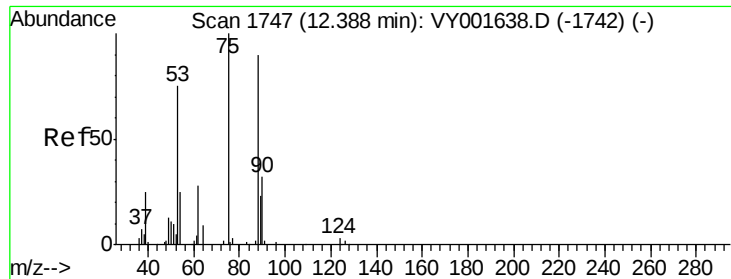
77 1.5 0.0 0.0#



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: 88.00 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.10 min

Lab File: VY001793.D

Acq: 28 Feb 2020 10:27

Instrument :

MSVOA_Y

ClientSampleId :

VY0228SBL01

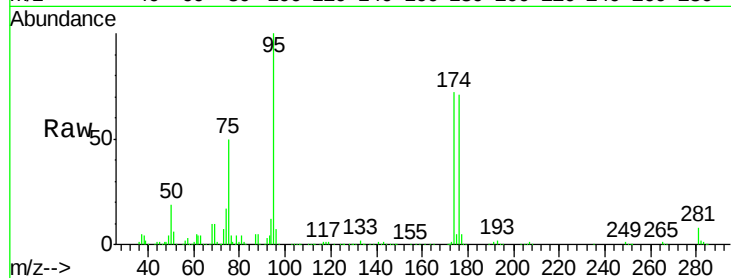
Tgt Ion: 75 Resp: 59930

Ion Ratio Lower Upper

75 100

53 0.0 64.5 96.7#

89 0.3 36.3 54.5#



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

