

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY120619\
 Data File : VY000903.D
 Acq On : 06 Dec 2019 15:46
 Operator : SY/MD
 Sample : K6187-03RE
 Misc : 5.32G/5ML/MSVOA Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Dec 06 17:23:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y112719S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 27 12:40:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	241371	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	440980	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	388172	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	176058	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	137578	53.64	ug/l	0.00
Spiked Amount			Recovery	=	107.28%	
35) Dibromofluoromethane	7.72	113	126257	49.13	ug/l	0.00
Spiked Amount			Recovery	=	98.26%	
50) Toluene-d8	10.18	98	525236	51.12	ug/l	0.00
Spiked Amount			Recovery	=	102.24%	
62) 4-Bromofluorobenzene	12.48	95	173394	44.94	ug/l	0.00
Spiked Amount			Recovery	=	89.88%	

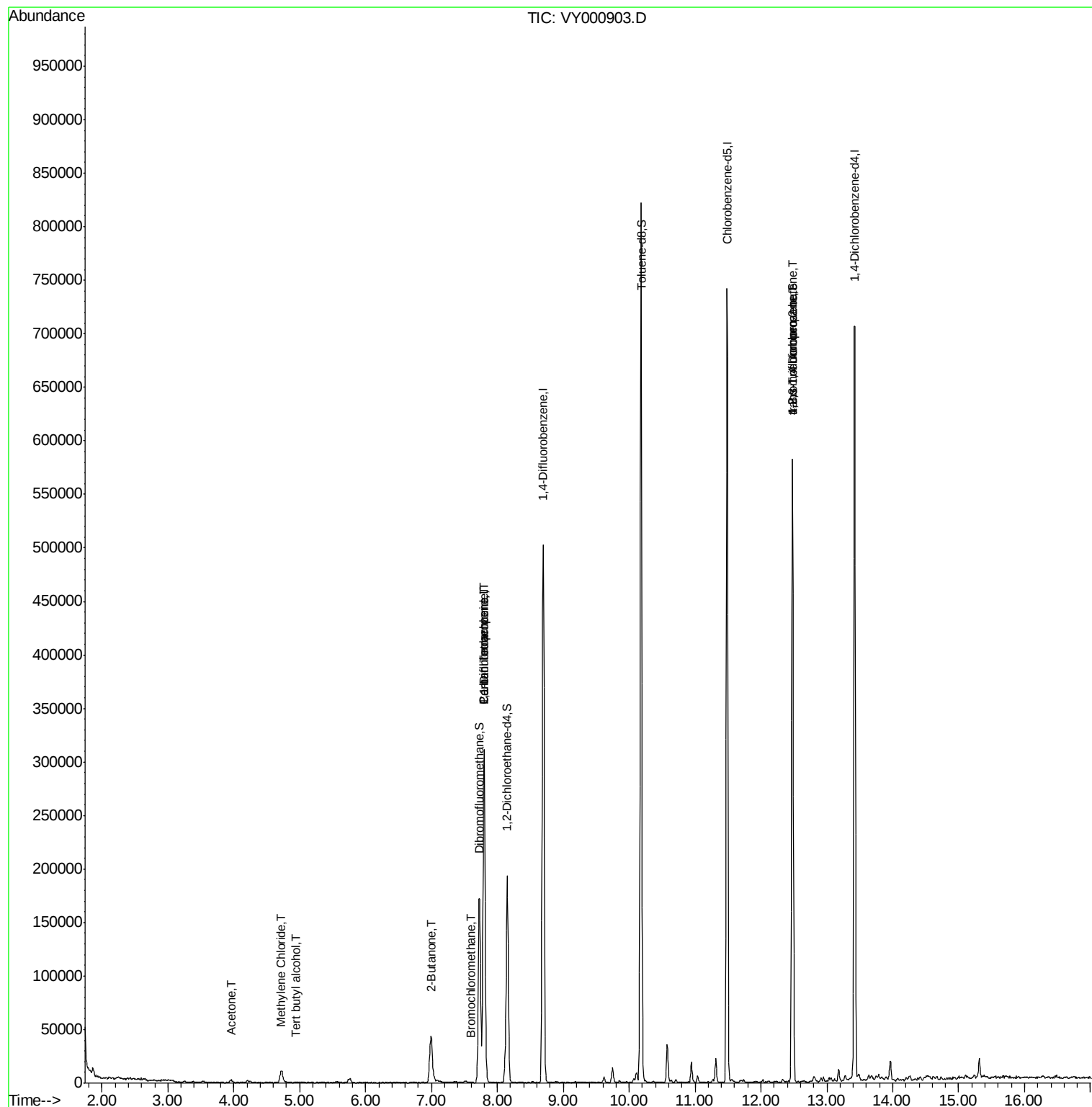
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.65	94	102	Below Cal		92
11) Tert butyl alcohol	4.94	59	522	2.023	ug/l #	74
16) Acetone	3.96	43	4516	7.676	ug/l	95
20) Methylene Chloride	4.71	84	7578	2.443	ug/l #	81
25) 2-Butanone	7.00	43	3411	3.138	ug/l #	83
28) Bromochloromethane	7.59	49	101	2.067	ug/l #	15
36) 1,1-Dichloropropene	7.80	75	20198	4.607	ug/l #	49
38) Carbon Tetrachloride	7.80	117	25005	6.404	ug/l #	15
76) 1,2,3-Trichloropropane	12.48	75	89822	45.030	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	89822	88.452	ug/l #	18

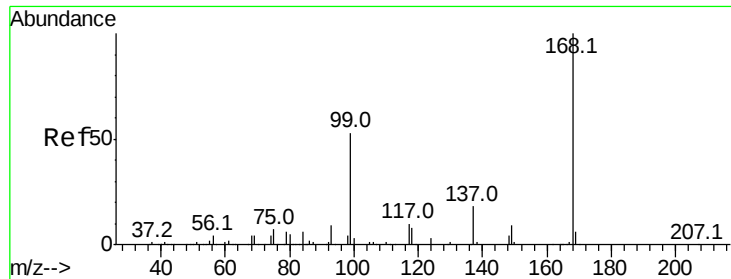
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY120619\
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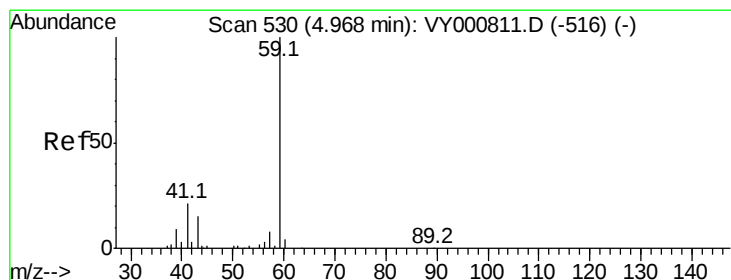
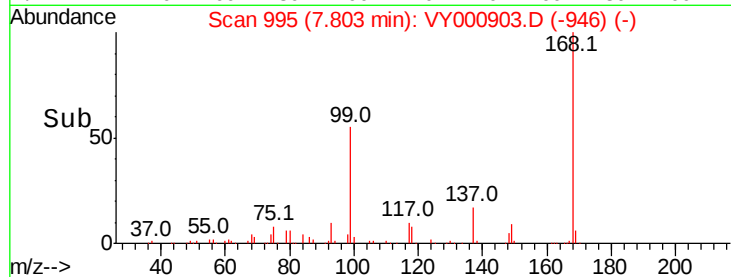
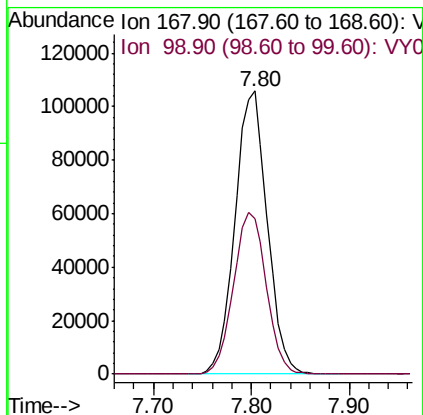
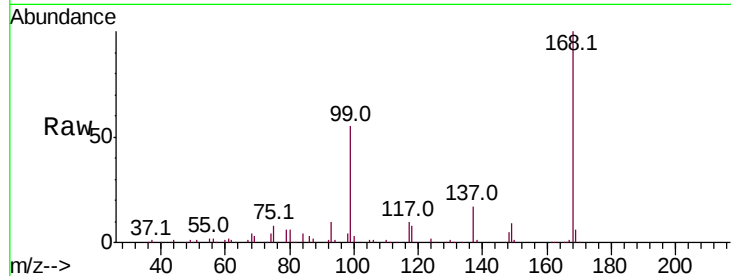


#1

Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.00 min
 Lab File: VY000903.D
 Acq: 06 Dec 2019 15:46

Instrument :
 MSVOA_Y
 ClientSampled :

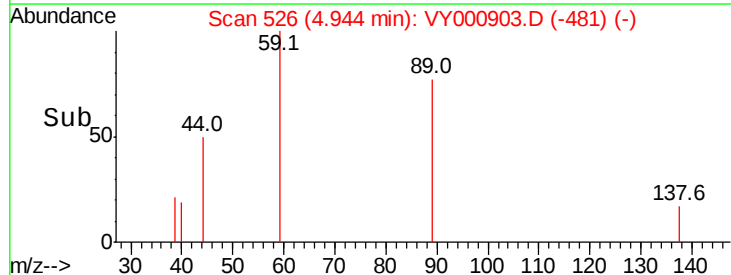
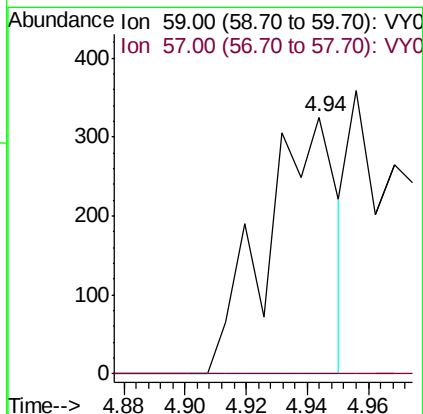
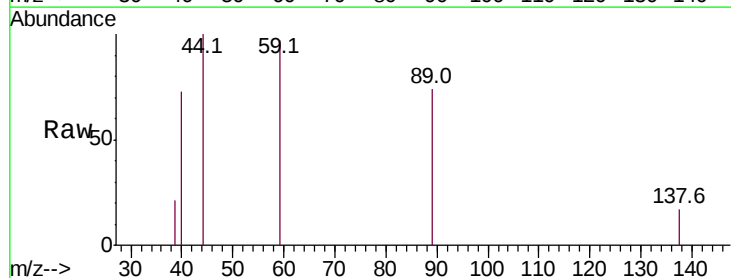
Tot Ion:168 Resp: 241371
 Ion Ratio Lower Upper
 168 100
 99 54.9 45.0 67.6

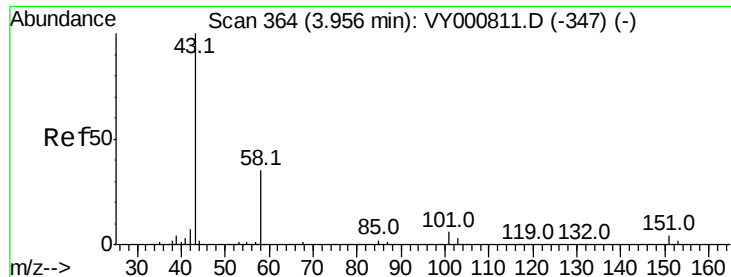


#11

Tert butyl alcohol
 Concen: 2.023 ug/l
 RT: 4.94 min Scan# 526
 Delta R.T. -0.02 min
 Lab File: VY000903.D
 Acq: 06 Dec 2019 15:46

Tgt Ion: 59 Resp: 522
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.8 11.6#





#16

Acetone

Concen: 7.676 ug/l

RT: 3.96 min Scan# 365

Delta R.T. 0.01 min

Lab File: VY000903.D

Acq: 06 Dec 2019 15:46

Instrument :

MSVOA_Y

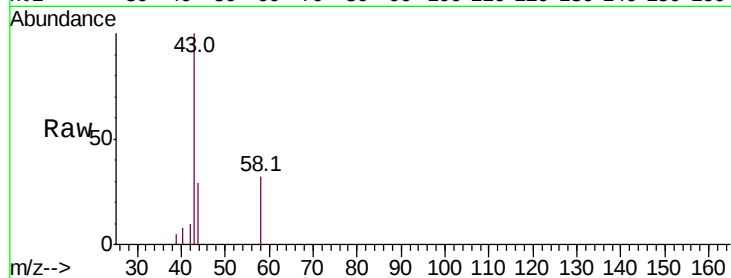
ClientSampleId :

Tot Ion: 43 Resp: 4516

Ion Ratio Lower Upper

43 100

58 32.3 28.0 42.0



Abundance Ion 43.00 (42.70 to 43.70): VY000811.D (-347) (-)

Ion 58.00 (57.70 to 58.70): VY000811.D (-347) (-)

3.96

1500

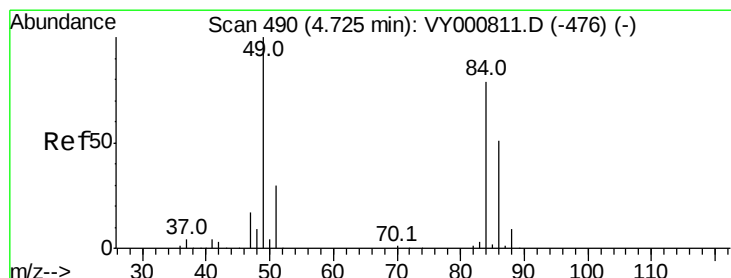
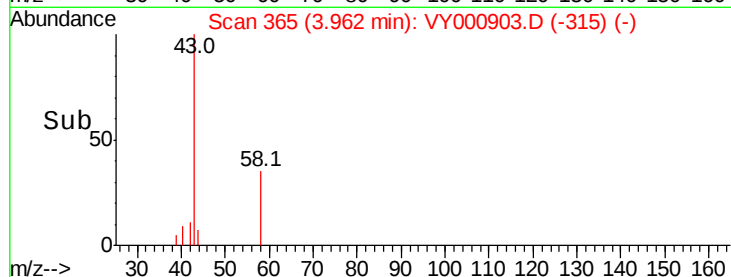
1000

500

0

3.85 3.90 3.95 4.00 4.05

Time-->



#20

Methylene Chloride

Concen: 2.443 ug/l

RT: 4.71 min Scan# 488

Delta R.T. -0.01 min

Lab File: VY000903.D

Acq: 06 Dec 2019 15:46

Tgt Ion: 84 Resp: 7578

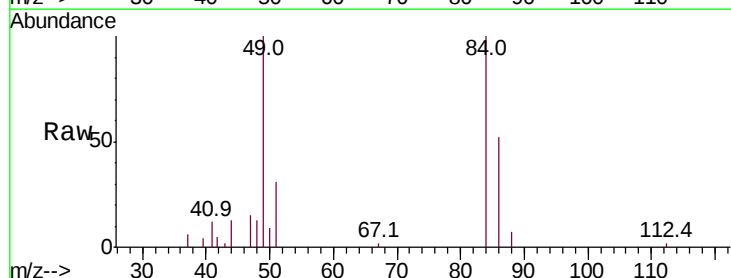
Ion Ratio Lower Upper

84 100

49 100.2 101.3 151.9#

51 30.8 30.6 45.8

86 52.1 51.3 76.9



Abundance Ion 83.90 (83.60 to 84.60): VY000811.D (-476) (-)

Ion 48.90 (48.60 to 49.60): VY000811.D (-476) (-)

Ion 50.90 (50.60 to 51.60): VY000811.D (-476) (-)

Ion 85.90 (85.60 to 86.60): VY000811.D (-476) (-)

4.71

3000

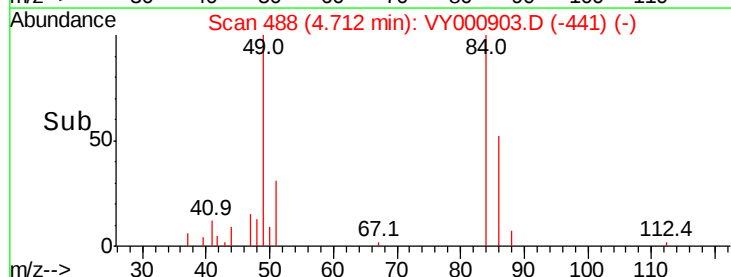
2000

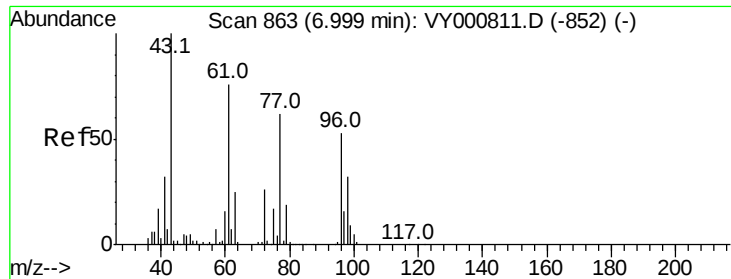
1000

0

4.60 4.70 4.80

Time-->





#25

2-Butanone

Concen: 3.138 ug/l

RT: 7.00 min Scan# 863

Delta R.T. -0.00 min

Lab File: VY000903.D

Acq: 06 Dec 2019 15:46

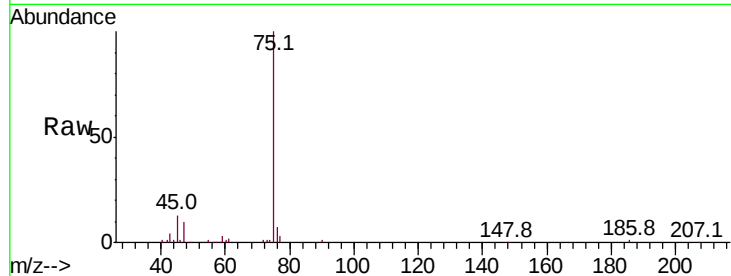
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 43 Resp: 3411

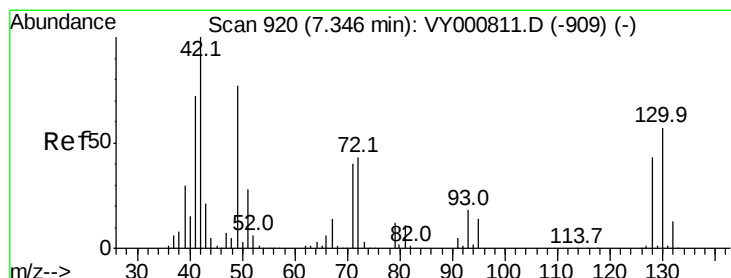
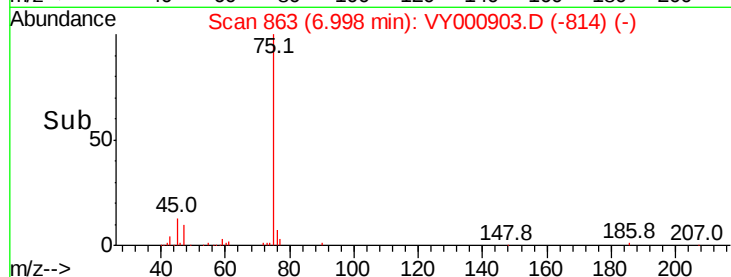
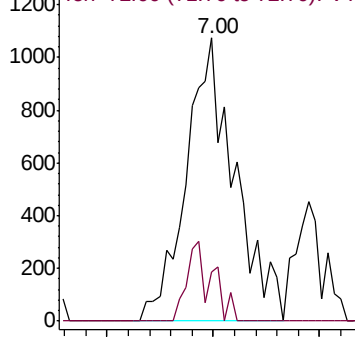
Ion Ratio Lower Upper

43 100

72 17.4 21.0 31.4#



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



#28

Bromochloromethane

Concen: 2.067 ug/l

RT: 7.59 min Scan# 960

Delta R.T. 0.24 min

Lab File: VY000903.D

Acq: 06 Dec 2019 15:46

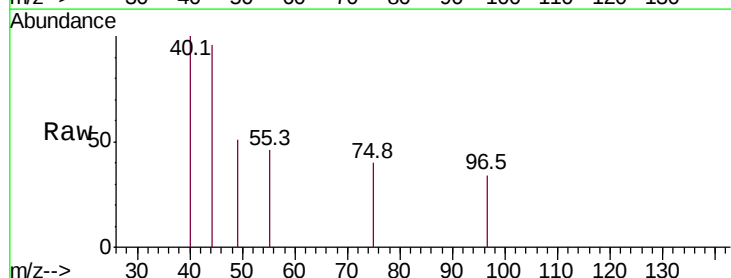
Tgt Ion: 49 Resp: 101

Ion Ratio Lower Upper

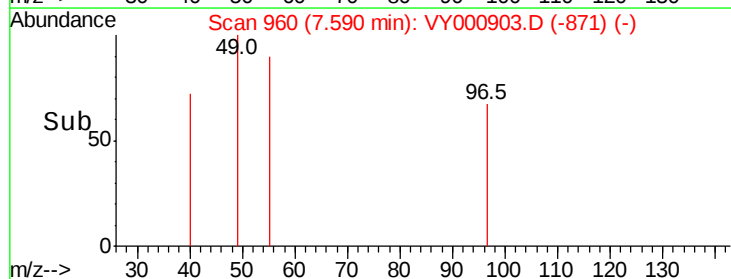
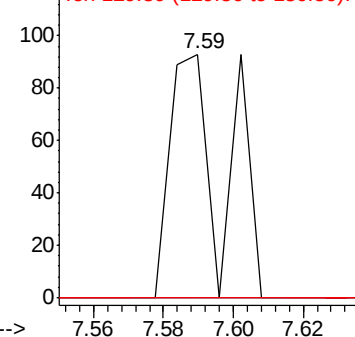
49 100

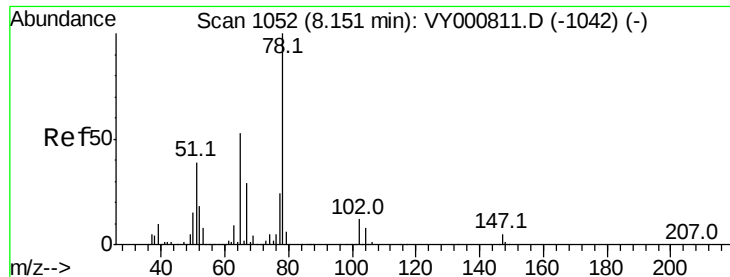
129 0.0 0.0 3.8

130 0.0 58.7 88.1#



Abundance Ion 48.90 (48.60 to 49.60): VY0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





#33

1,2-Dichloroethane-d4

Concen: 53.641 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.00 min

Lab File: VY000903.D

Acq: 06 Dec 2019 15:46

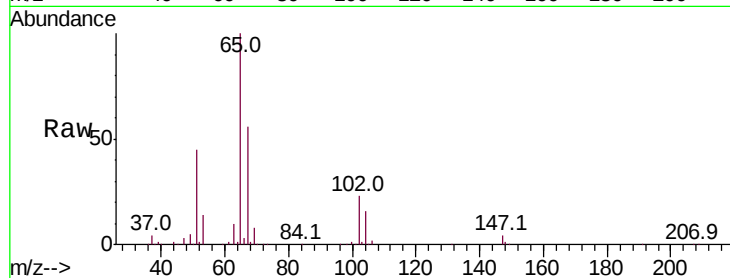
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 65 Resp: 137578

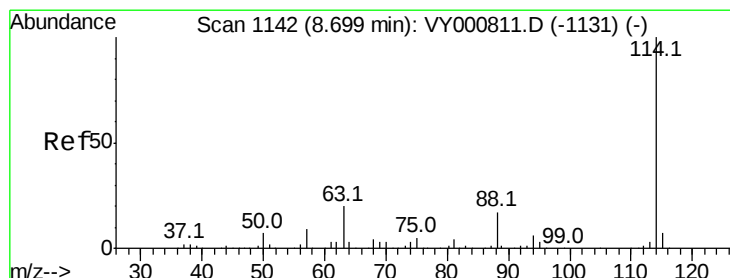
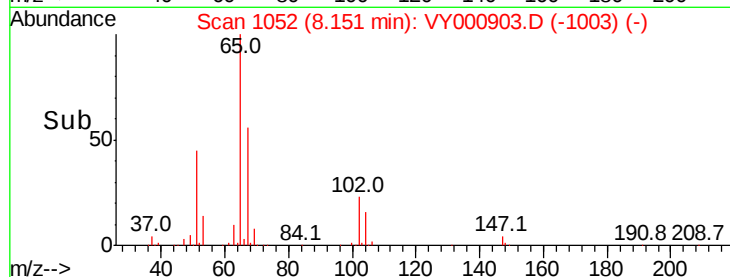
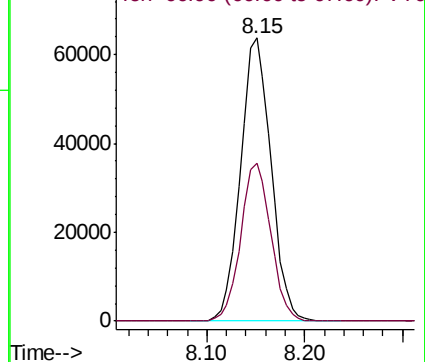
Ion Ratio Lower Upper

65 100

67 55.3 0.0 112.0



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



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.69 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VY000903.D

Acq: 06 Dec 2019 15:46

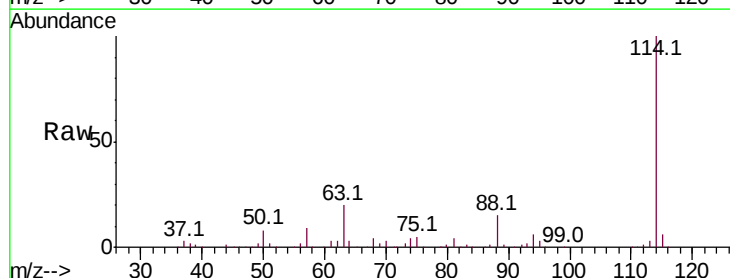
Tgt Ion: 114 Resp: 440980

Ion Ratio Lower Upper

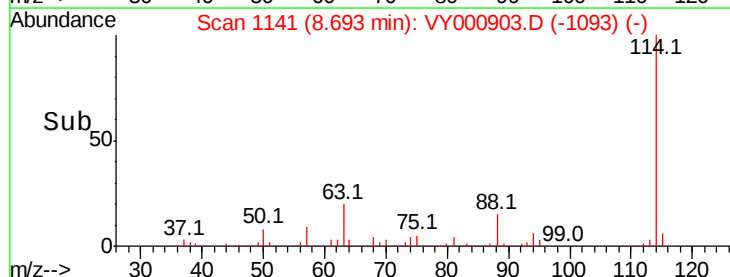
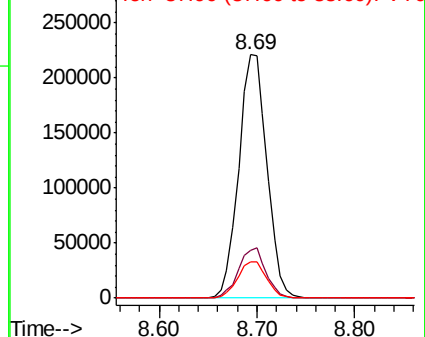
114 100

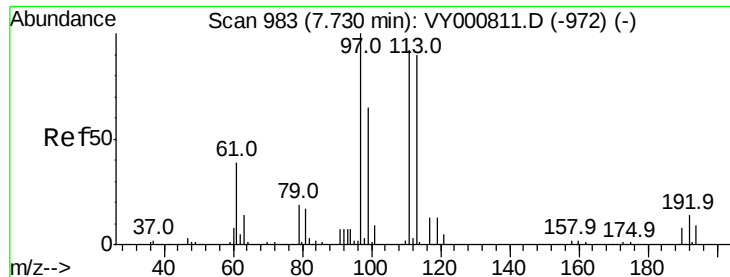
63 19.7 0.0 39.8

88 14.7 0.0 33.2



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: 49.127 ug/l

RT: 7.72 min Scan# 982

Delta R.T. -0.01 min

Lab File: VY000903.D

Acq: 06 Dec 2019 15:46

Instrument :
MSVOA_Y
ClientSampleId :

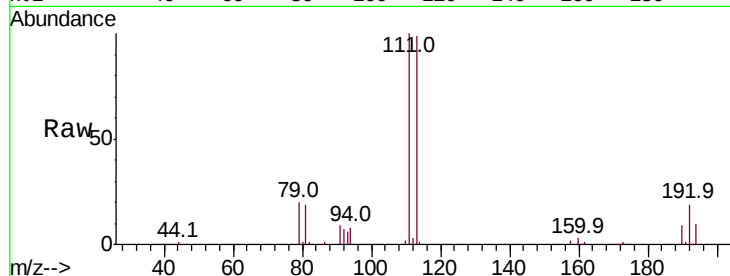
Tot Ion:113 Resp: 126257

Ion Ratio Lower Upper

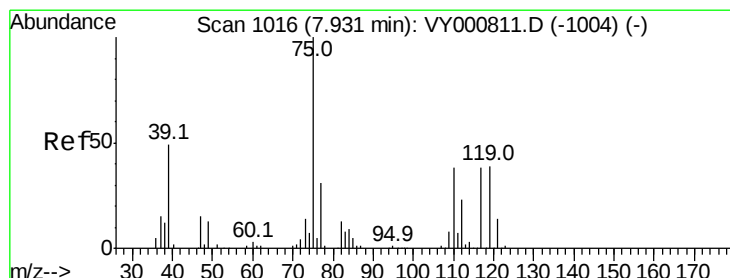
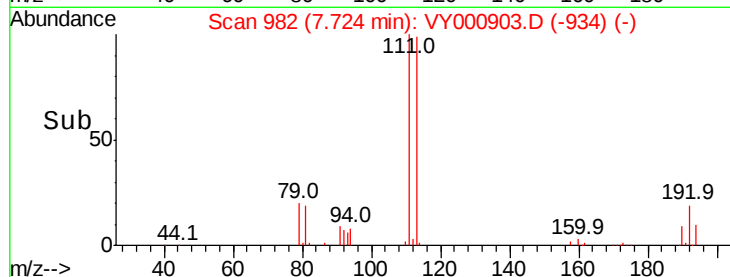
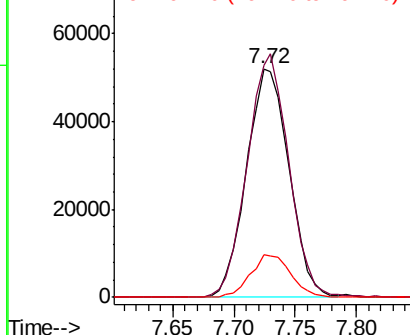
113 100

111 104.1 82.4 123.6

192 17.6 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: 4.607 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.13 min

Lab File: VY000903.D

Acq: 06 Dec 2019 15:46

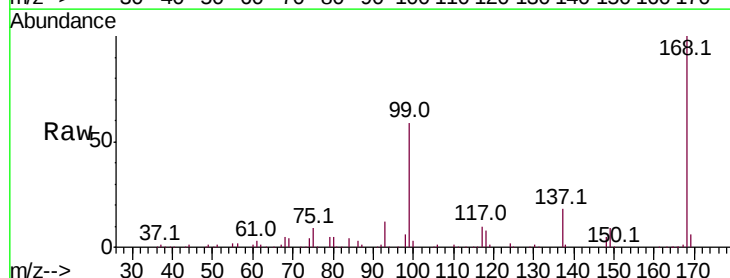
Tgt Ion: 75 Resp: 20198

Ion Ratio Lower Upper

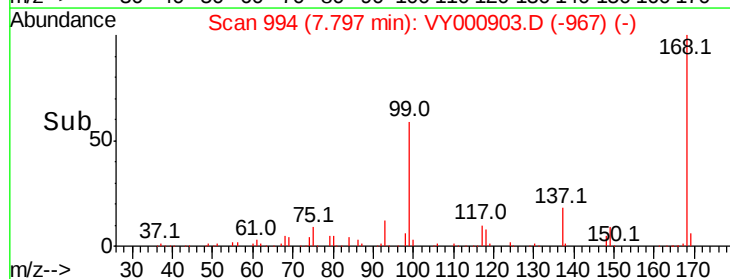
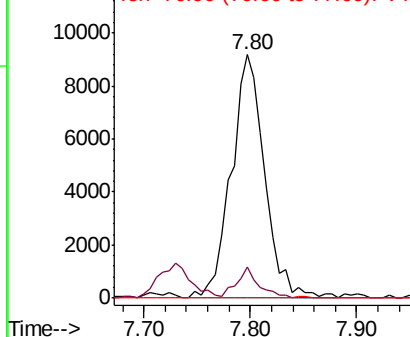
75 100

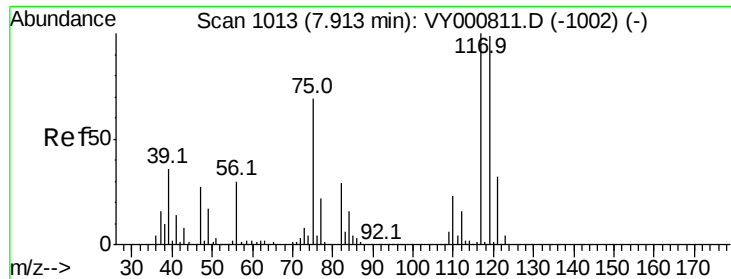
110 8.4 17.9 53.7#

77 0.0 24.7 37.1#



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: 6.404 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.12 min

Lab File: VY000903.D

Acq: 06 Dec 2019 15:46

Instrument :

MSVOA_Y

ClientSampleId :

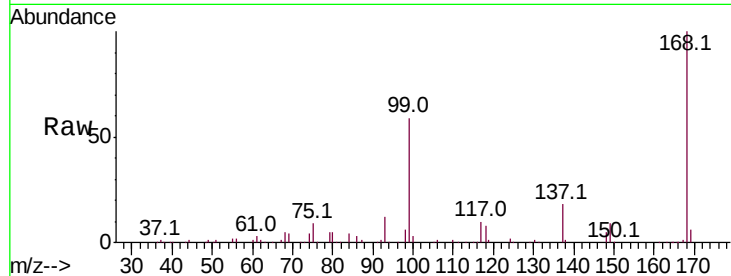
Tot Ion:117 Resp: 25005

Ion Ratio Lower Upper

117 100

119 5.3 79.3 118.9#

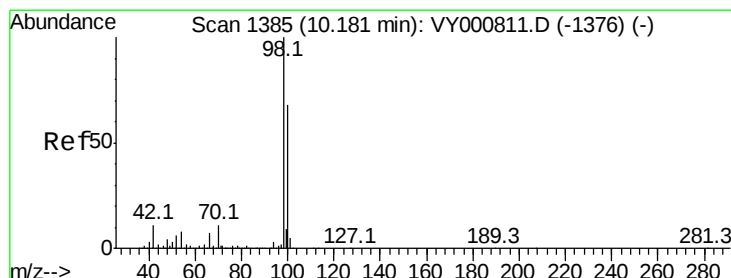
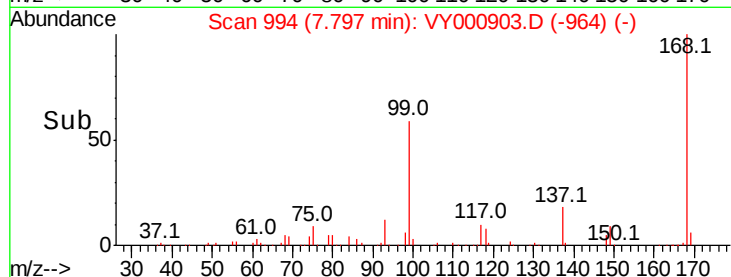
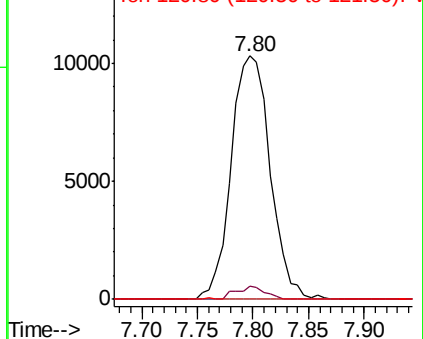
121 0.0 25.5 38.3#



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: 51.119 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY000903.D

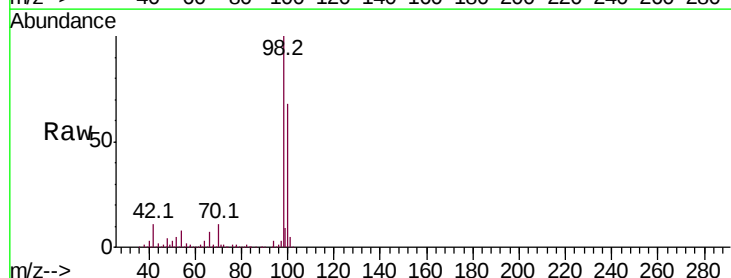
Acq: 06 Dec 2019 15:46

Tgt Ion: 98 Resp: 525236

Ion Ratio Lower Upper

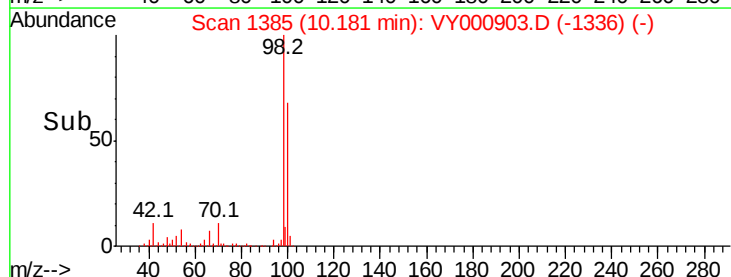
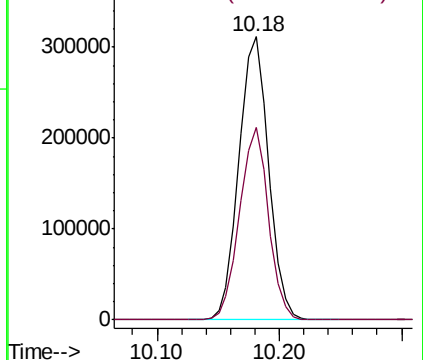
98 100

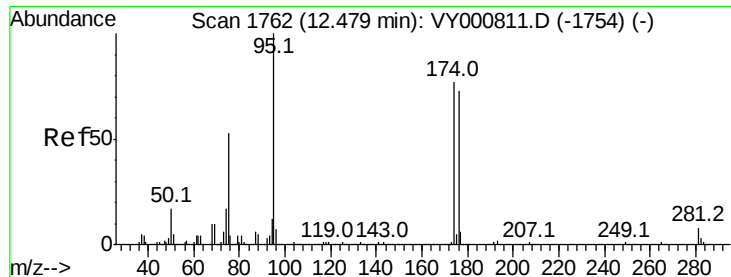
100 65.9 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY

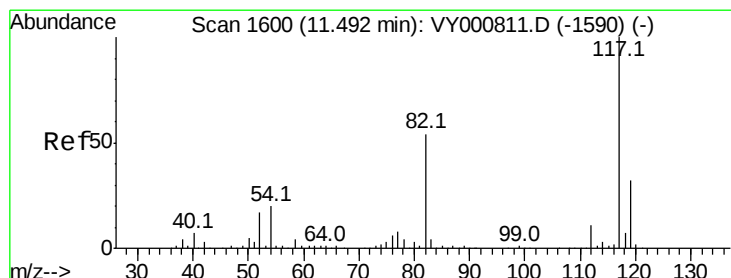
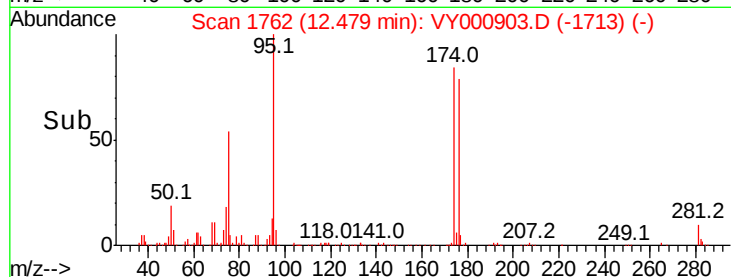
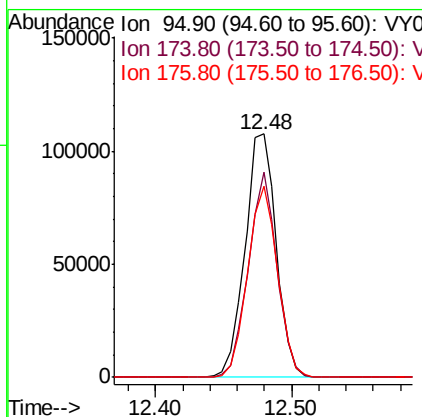
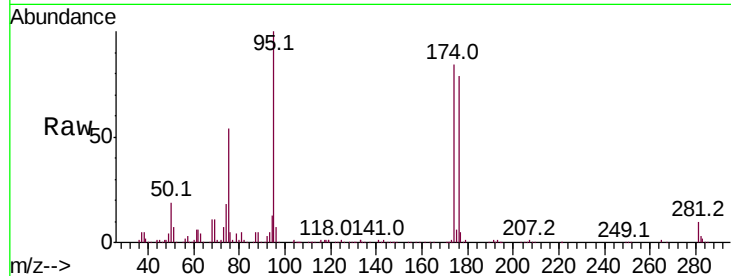




#62
4-Bromofluorobenzene
Concen: 44.935 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.00 min
Lab File: VY000903.D
Acq: 06 Dec 2019 15:46

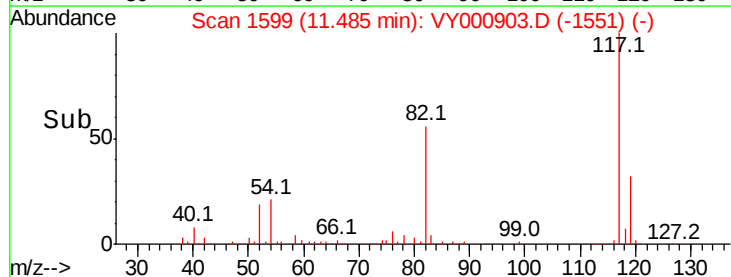
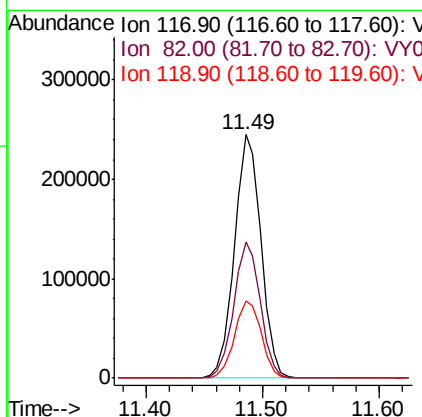
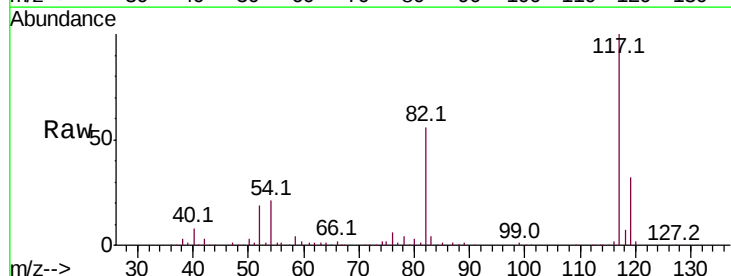
Instrument :
MSVOA_Y
ClientSampled :

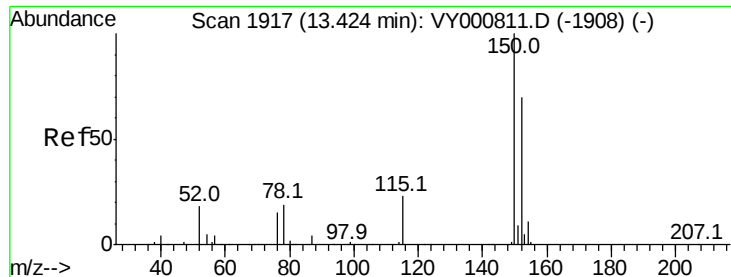
Tot Ion: 95 Resp: 173394
Ion Ratio Lower Upper
95 100
174 77.2 0.0 150.6
176 75.4 0.0 145.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VY000903.D
Acq: 06 Dec 2019 15:46

Tgt Ion: 117 Resp: 388172
Ion Ratio Lower Upper
117 100
82 55.8 43.1 64.7
119 31.8 25.3 37.9



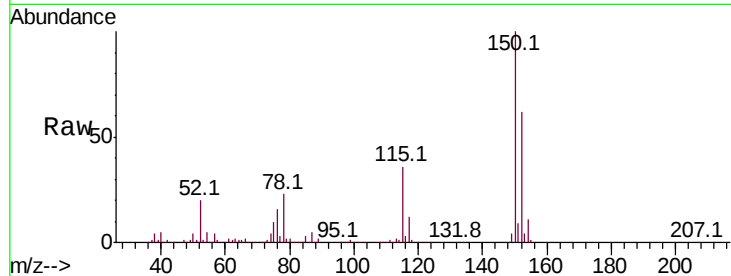


#72

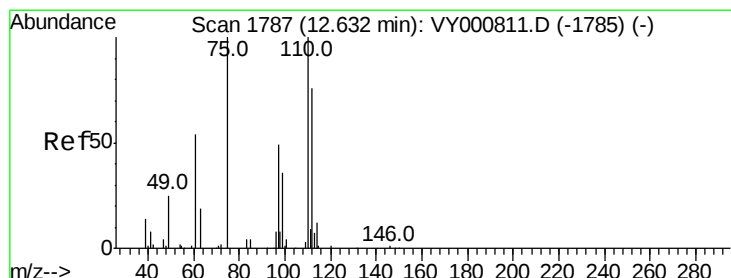
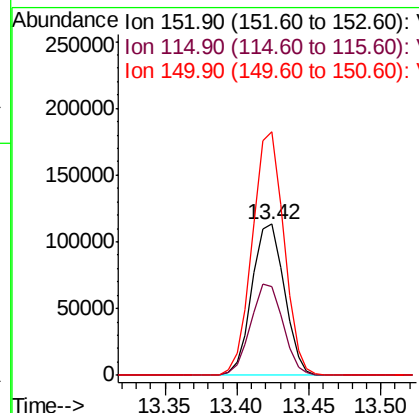
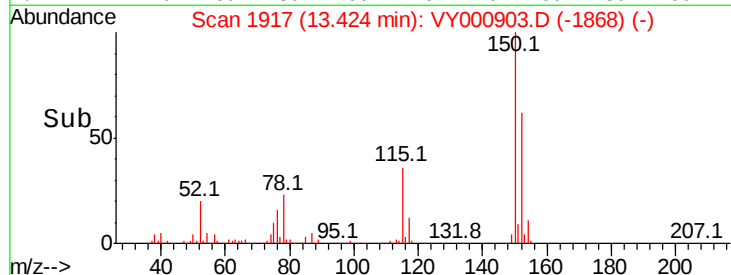
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY000903.D
Acq: 06 Dec 2019 15:46

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:152 Resp: 176058
Ion Ratio Lower Upper
152 100
115 60.4 29.3 87.8
150 156.9 0.0 351.2



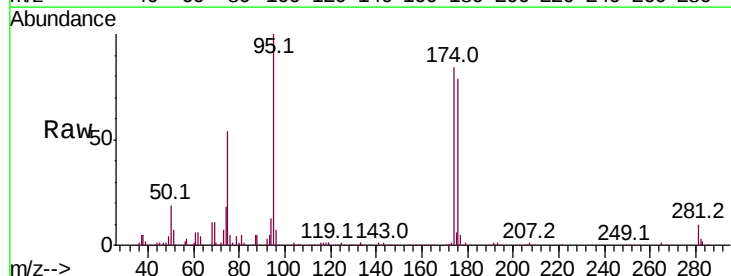
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



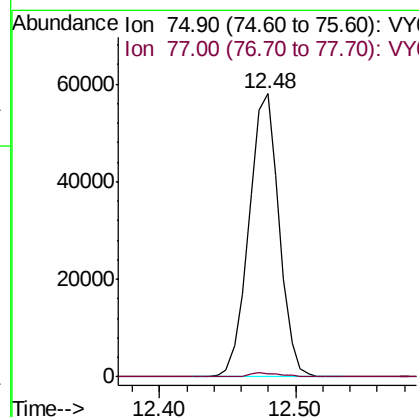
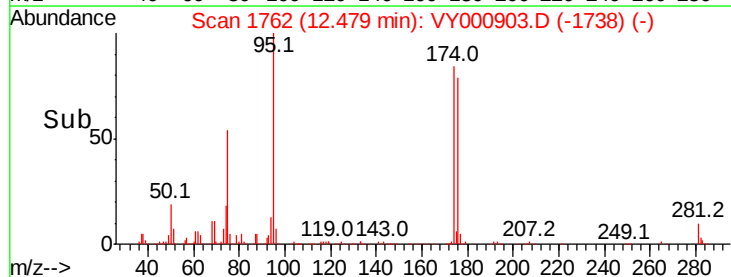
#76

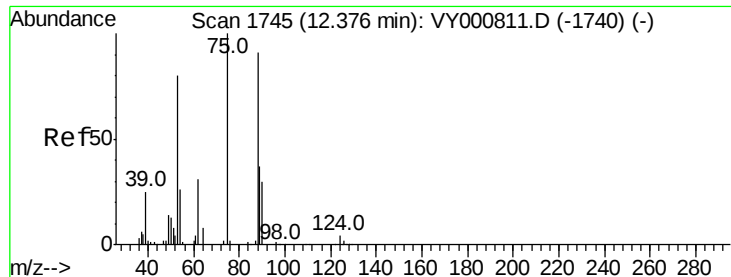
1,2,3-Trichloropropane
Concen: 45.030 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.15 min
Lab File: VY000903.D
Acq: 06 Dec 2019 15:46

Tgt Ion: 75 Resp: 89822
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: 88.452 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000903.D

Acq: 06 Dec 2019 15:46

Instrument :

MSVOA_Y

ClientSampleId :

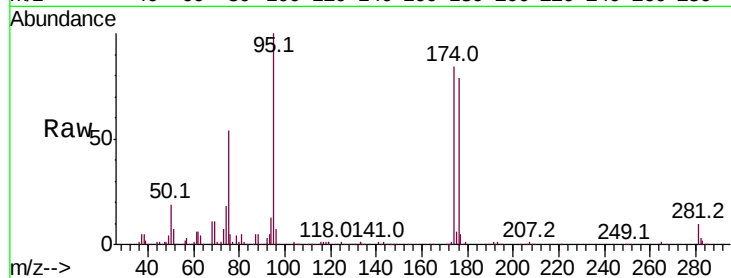
Tot Ion: 75 Resp: 89822

Ion Ratio Lower Upper

75 100

53 0.0 64.6 96.8#

89 0.4 33.6 50.4#



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

