

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY030420\
 Data File : VY001862.D
 Acq On : 04 Mar 2020 18:27
 Operator : SY/MD
 Sample : L1778-10
 Misc : 6.93G/5ML/MSVOA Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 S3

Quant Time: Mar 05 04:11:38 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

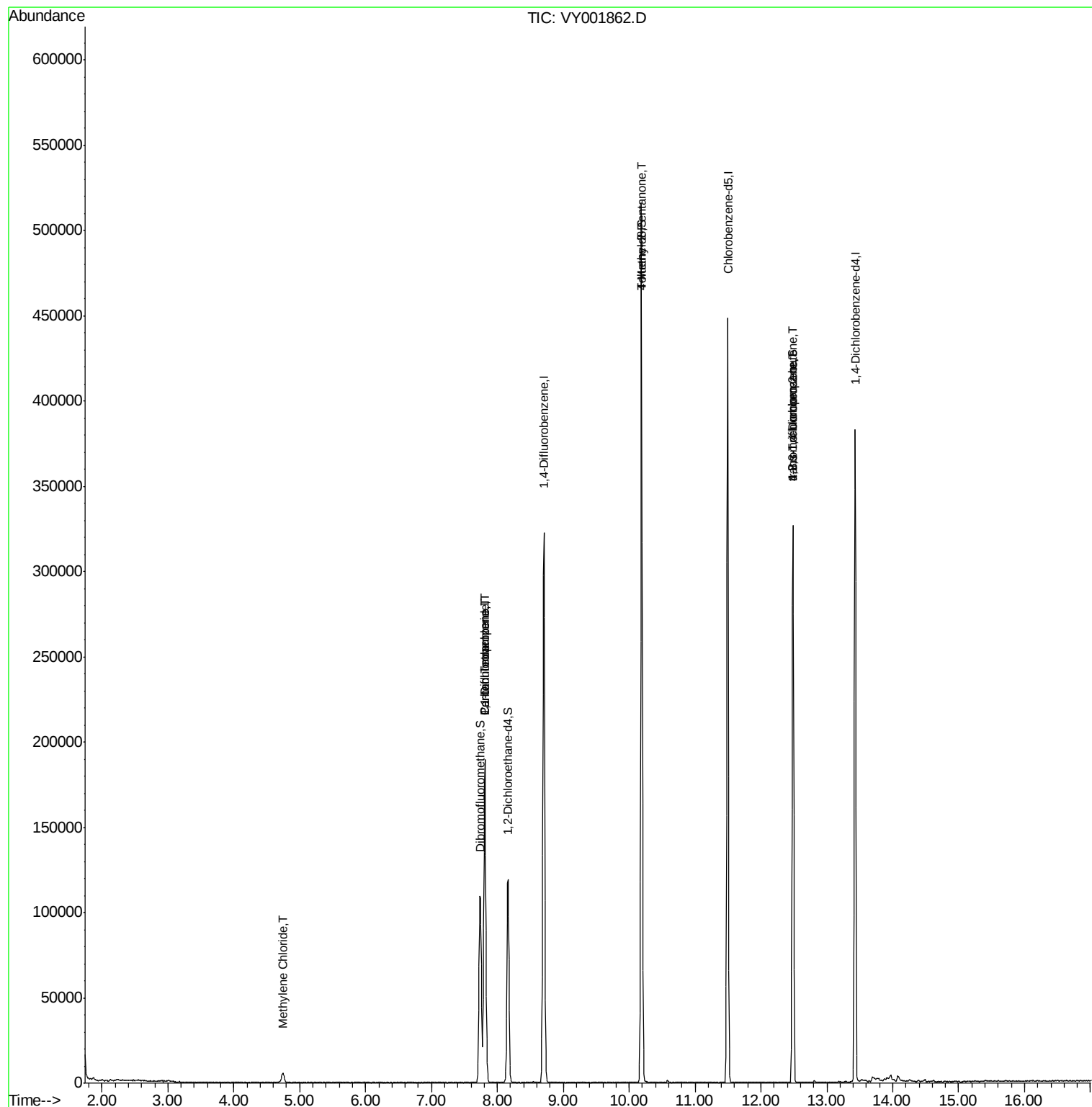
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	141514	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	271714	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	241957	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	91880	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.16	65	88384	58.50	ug/l	0.00
Spiked Amount 50.000			Recovery	=	117.00%	
35) Dibromofluoromethane	7.74	113	79494	53.58	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.16%	
50) Toluene-d8	10.19	98	329763	52.71	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.42%	
62) 4-Bromofluorobenzene	12.49	95	105954	48.70	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.40%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.68	94	69	Below Cal	#	4
11) Tert butyl alcohol	4.99	59	29	Below Cal	#	74
20) Methylene Chloride	4.74	84	4192	2.223	ug/l #	83
36) 1,1-Dichloropropene	7.81	75	12449	4.761	ug/l #	51
38) Carbon Tetrachloride	7.80	117	14941	6.689	ug/l #	16
51) 4-Methyl-2-Pentanone	10.18	43	1639	1.106	ug/l #	1
76) 1,2,3-Trichloropropane	12.49	75	53344	48.930	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	53344	98.836	ug/l #	17

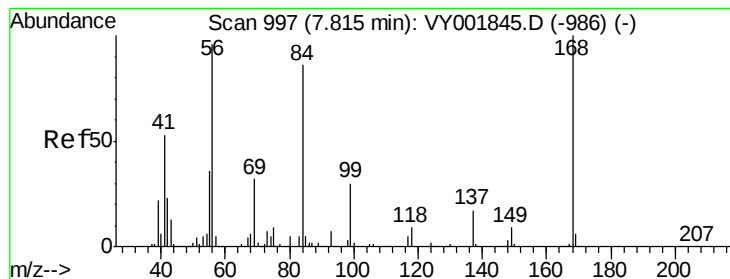
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY030420\
Data File : VY001862.D
Acq On : 04 Mar 2020 18:27
Operator : SY/MD
Sample : L1778-10
Misc : 6.93G/5ML/MSVOA Y/SOIL
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
S3

Quant Time: Mar 05 04:11:38 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: VY001862.D

Acq: 04 Mar 2020 18:27

Instrument :

MSVOA_Y

ClientSampled :

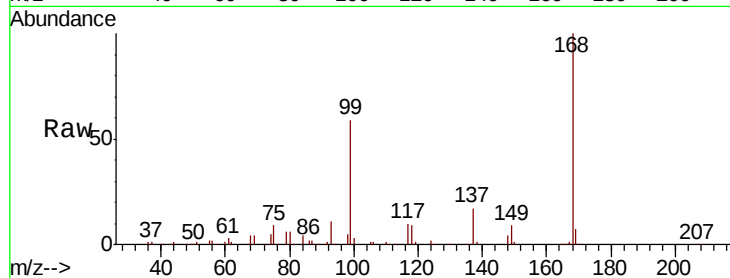
S3

Tot Ion:168 Resp: 141514

Ion Ratio Lower Upper

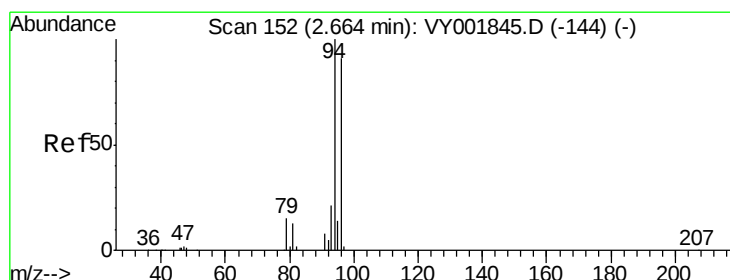
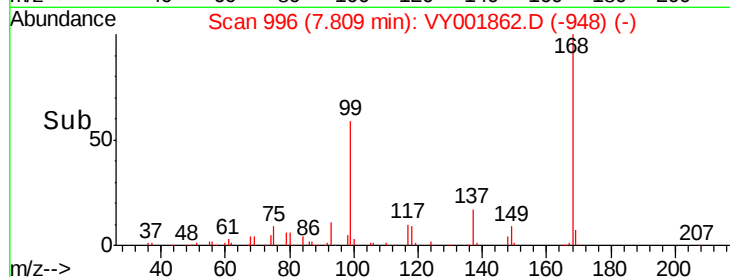
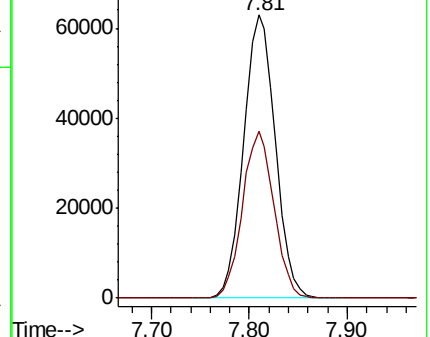
168 100

99 59.0 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: VY001862.D

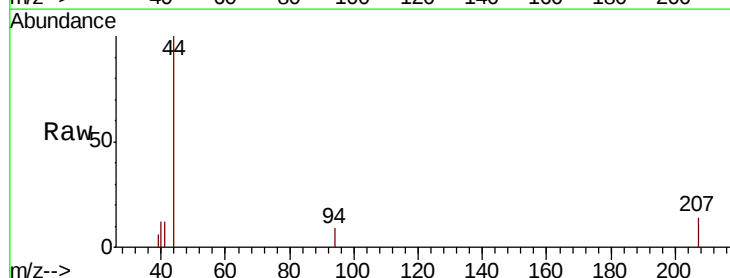
Acq: 04 Mar 2020 18:27

Tgt Ion: 94 Resp: 69

Ion Ratio Lower Upper

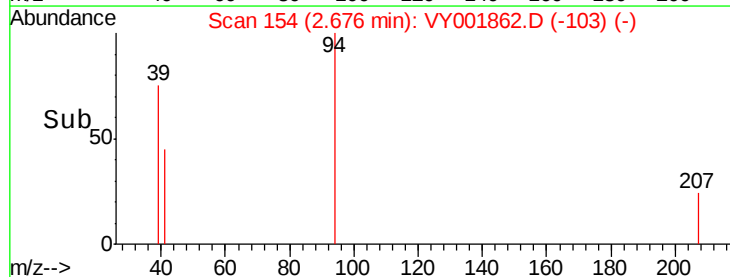
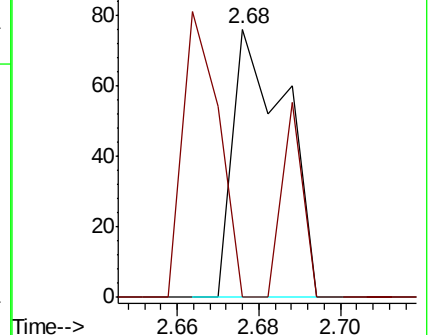
94 100

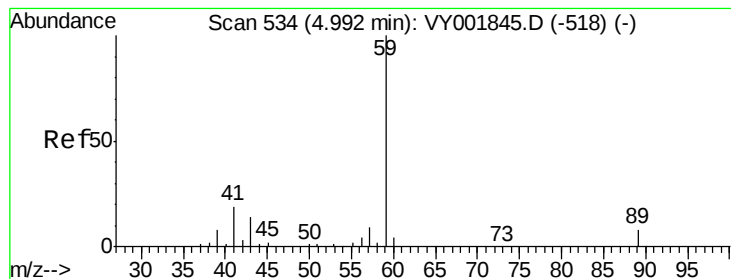
96 0.0 73.2 109.8#



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

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



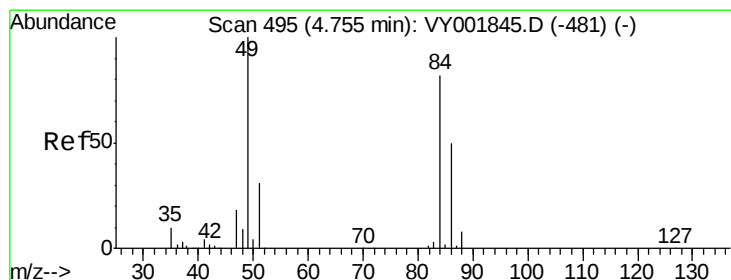
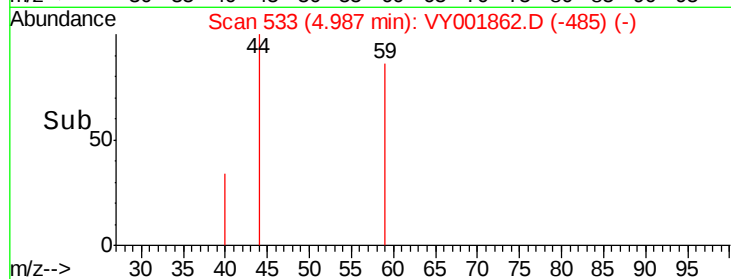
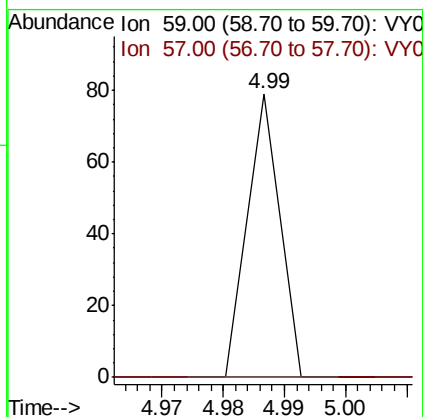
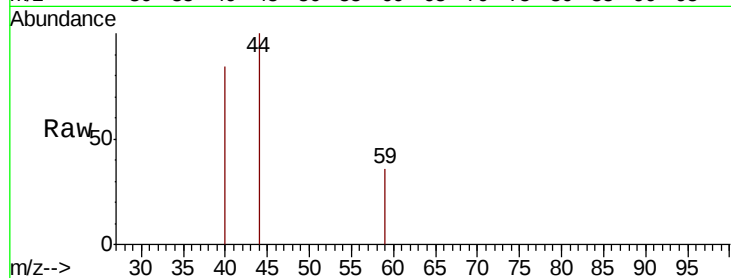


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 4.99 min Scan# 533
 Delta R.T. -0.01 min
 Lab File: VY001862.D
 Acq: 04 Mar 2020 18:27

Instrument :
 MSVOA_Y
 ClientSampled :
 S3

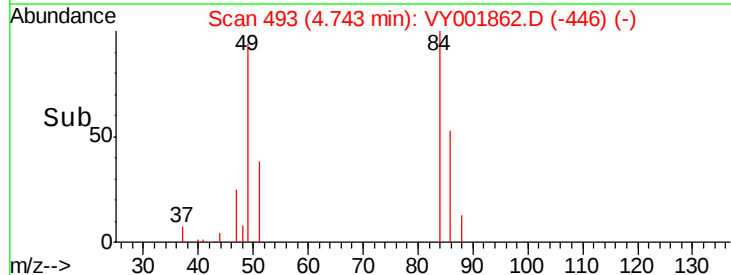
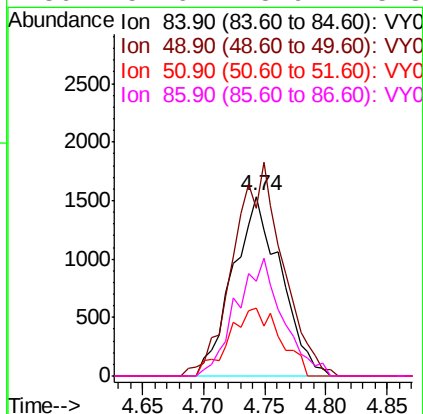
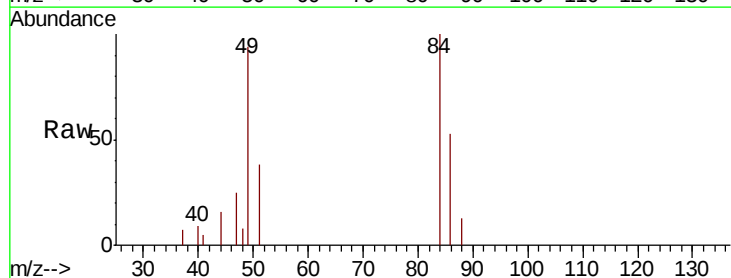
Tot Ion: 59 Resp: 29
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.4 11.2#

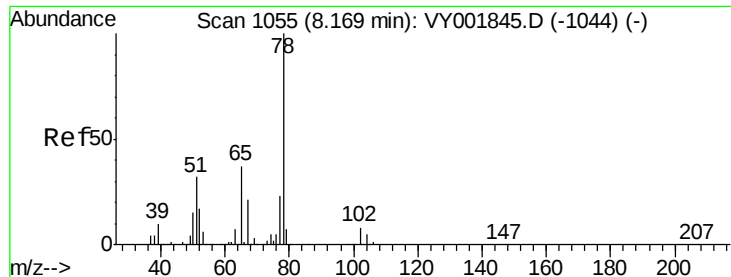


#20

Methylene Chloride
 Concen: 2.223 ug/l
 RT: 4.74 min Scan# 493
 Delta R.T. -0.01 min
 Lab File: VY001862.D
 Acq: 04 Mar 2020 18:27

Tgt Ion: 84 Resp: 4192
 Ion Ratio Lower Upper
 84 100
 49 93.7 98.2 147.2#
 51 38.2 30.2 45.2
 86 52.6 48.9 73.3





#33

1,2-Dichloroethane-d4

Concen: 58.503 ug/l

RT: 8.16 min Scan# 1054

Delta R.T. -0.01 min

Lab File: VY001862.D

Acq: 04 Mar 2020 18:27

Instrument :

MSVOA_Y

ClientSampleId :

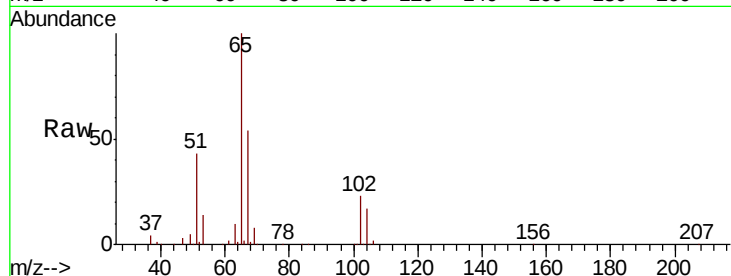
S3

Tot Ion: 65 Resp: 88384

Ion Ratio Lower Upper

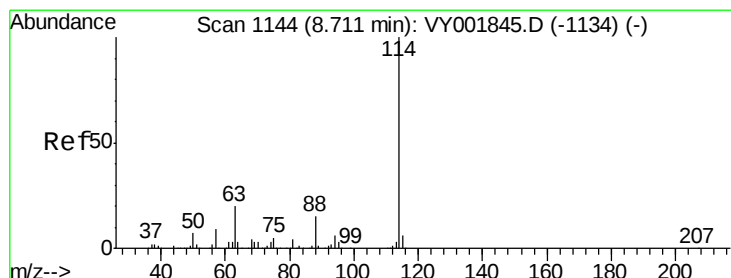
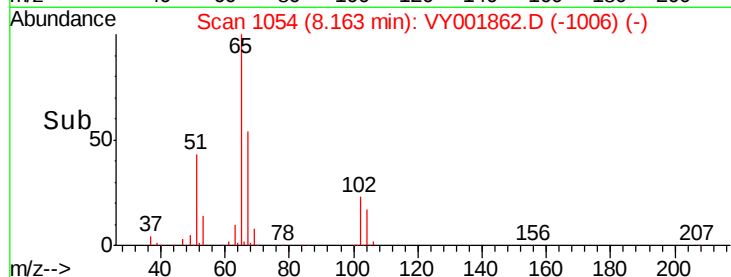
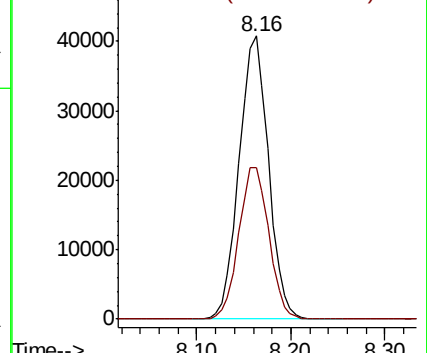
65 100

67 55.0 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: VY001862.D

Acq: 04 Mar 2020 18:27

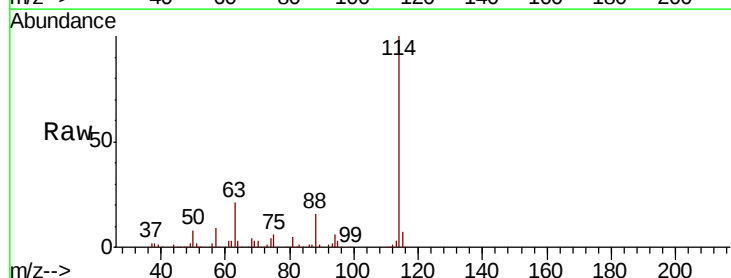
Tgt Ion: 114 Resp: 271714

Ion Ratio Lower Upper

114 100

63 21.4 0.0 39.4

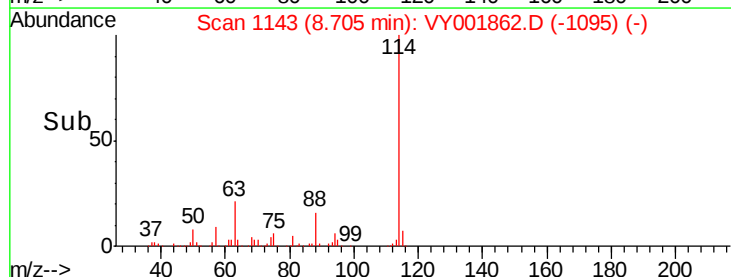
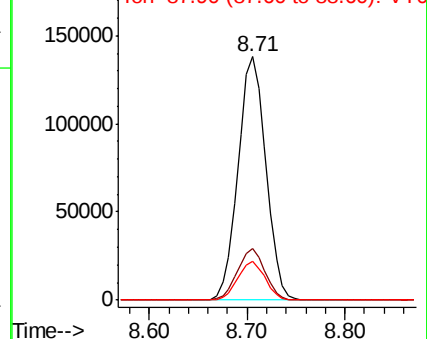
88 16.1 0.0 30.4

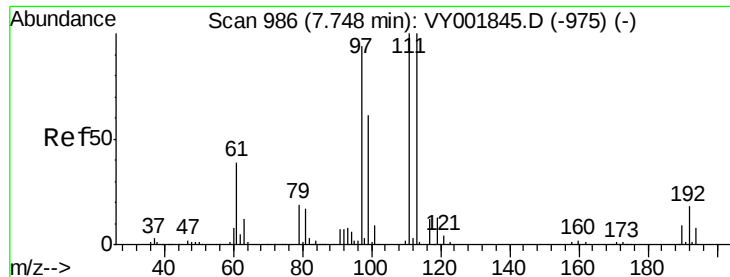


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0

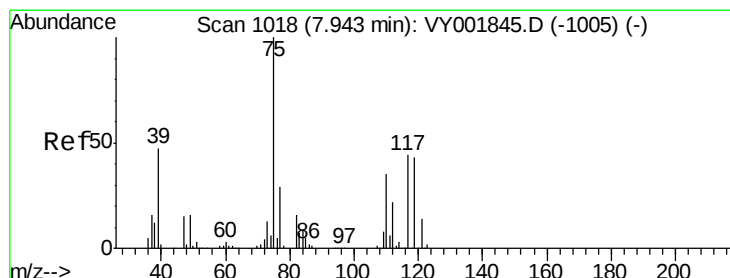
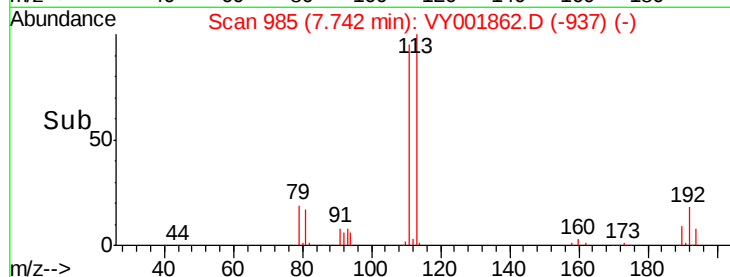
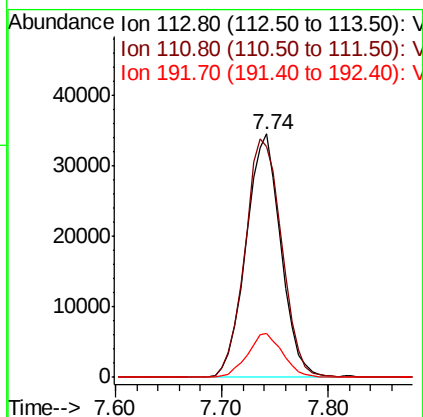
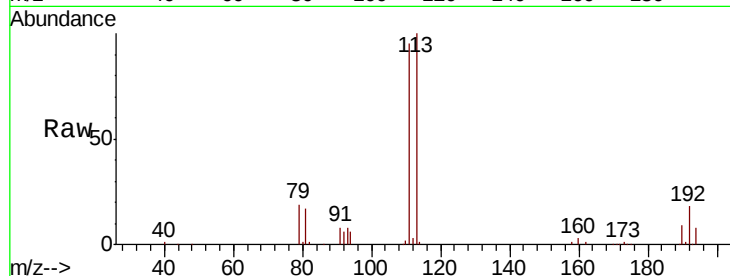




#35
 Dibromofluoromethane
 Concen: 53.579 ug/l
 RT: 7.74 min Scan# 985
 Delta R.T. -0.01 min
 Lab File: VY001862.D
 Acq: 04 Mar 2020 18:27

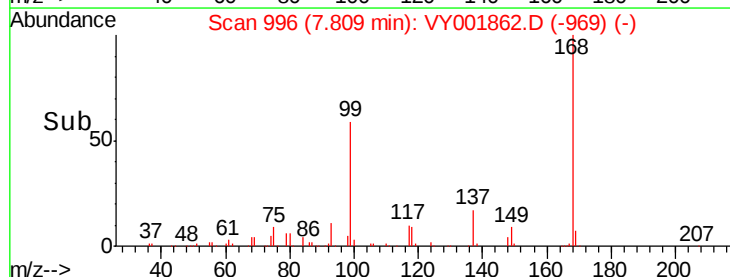
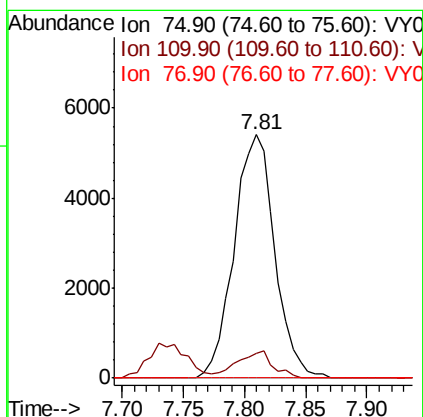
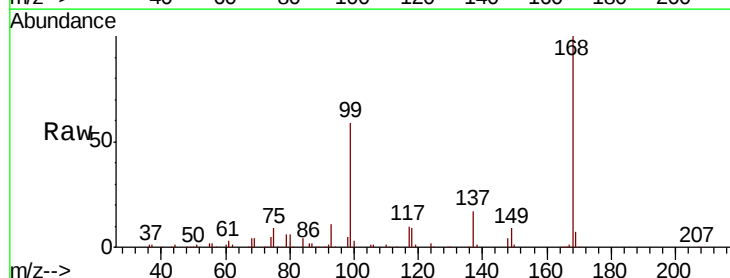
Instrument :
 MSVOA_Y
 ClientSampleId :
 S3

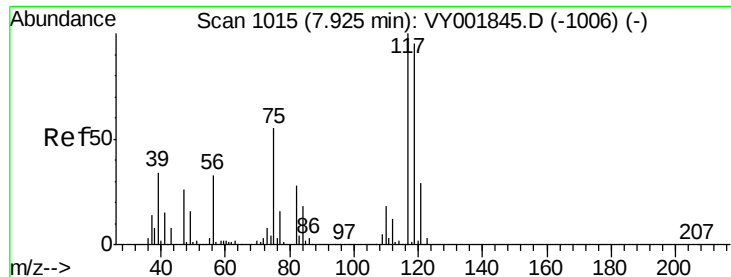
Tot Ion:113 Resp: 79494
 Ion Ratio Lower Upper
 113 100
 111 103.5 81.8 122.8
 192 18.2 14.2 21.2



#36
 1,1-Dichloropropene
 Concen: 4.761 ug/l
 RT: 7.81 min Scan# 996
 Delta R.T. -0.13 min
 Lab File: VY001862.D
 Acq: 04 Mar 2020 18:27

Tgt Ion: 75 Resp: 12449
 Ion Ratio Lower Upper
 75 100
 110 9.9 17.4 52.2#
 77 0.0 24.2 36.2#





#38

Carbon Tetrachloride

Concen: 6.689 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.12 min

Lab File: VY001862.D

Acq: 04 Mar 2020 18:27

Instrument :

MSVOA_Y

ClientSampled :

S3

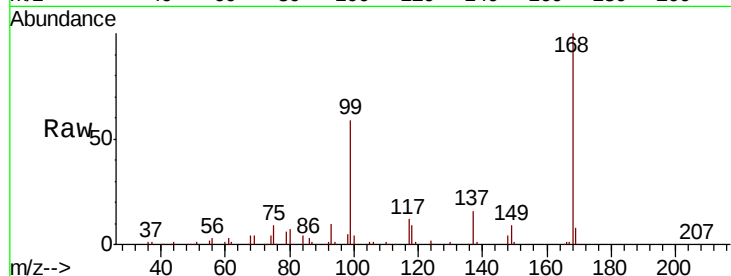
Tot Ion:117 Resp: 14941

Ion Ratio Lower Upper

117 100

119 5.1 76.3 114.5#

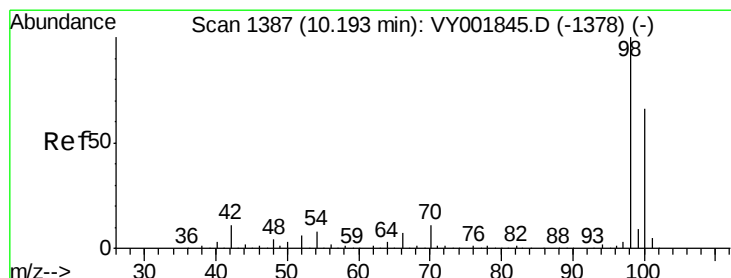
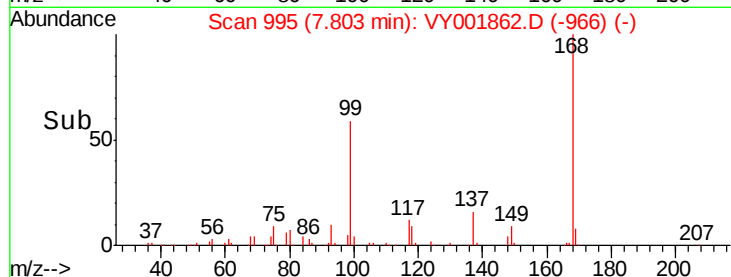
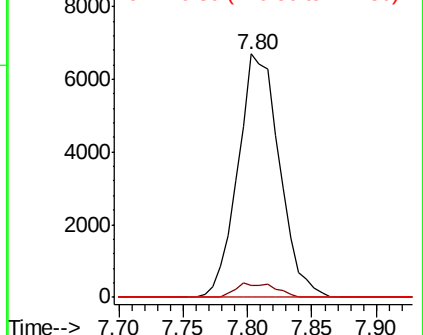
121 0.0 23.5 35.3#



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: 52.708 ug/l

RT: 10.19 min Scan# 1386

Delta R.T. -0.01 min

Lab File: VY001862.D

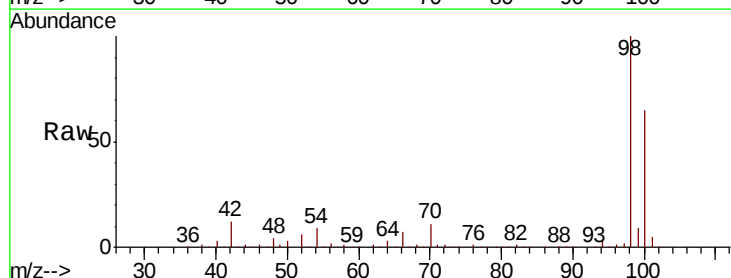
Acq: 04 Mar 2020 18:27

Tgt Ion: 98 Resp: 329763

Ion Ratio Lower Upper

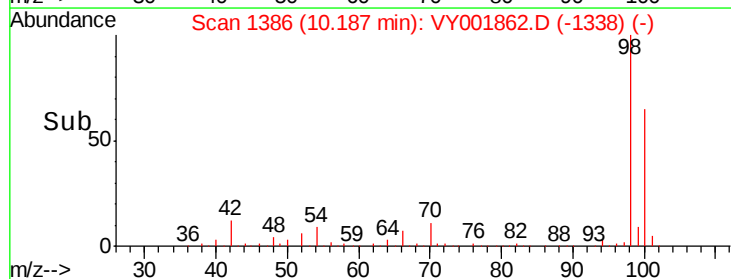
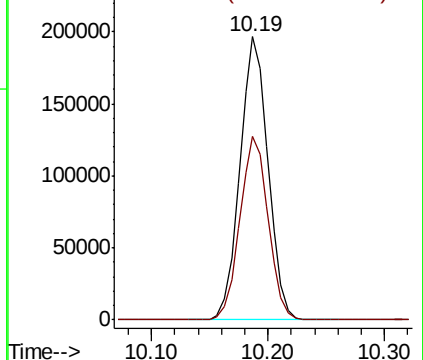
98 100

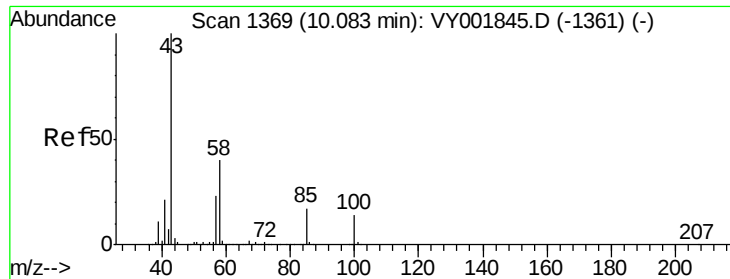
100 65.4 53.0 79.4



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: 1.106 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.10 min

Lab File: VY001862.D

Acq: 04 Mar 2020 18:27

Instrument :

MSVOA_Y

ClientSampleId :

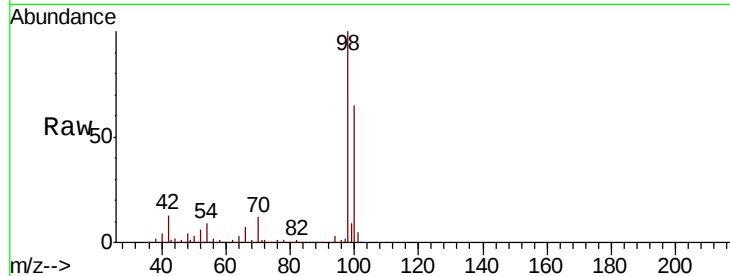
S3

Tot Ion: 43 Resp: 1639

Ion Ratio Lower Upper

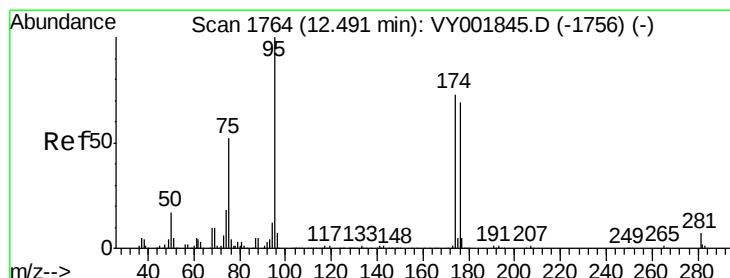
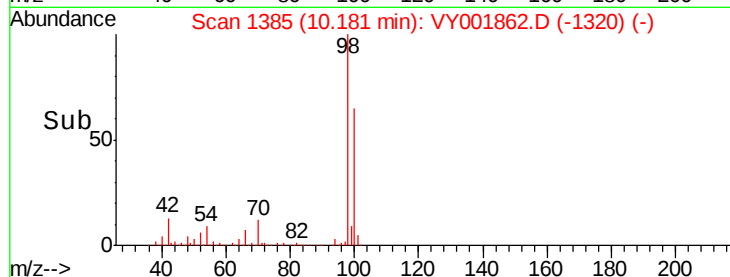
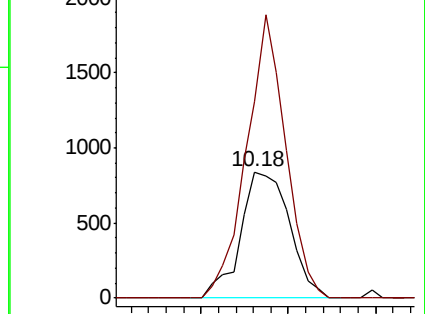
43 100

58 179.3 32.0 48.0#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#62

4-Bromofluorobenzene

Concen: 48.705 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VY001862.D

Acq: 04 Mar 2020 18:27

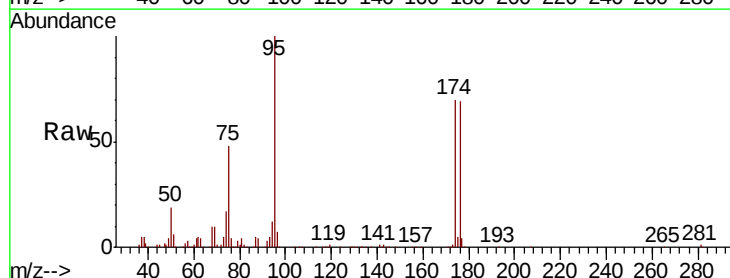
Tgt Ion: 95 Resp: 105954

Ion Ratio Lower Upper

95 100

174 71.4 0.0 145.0

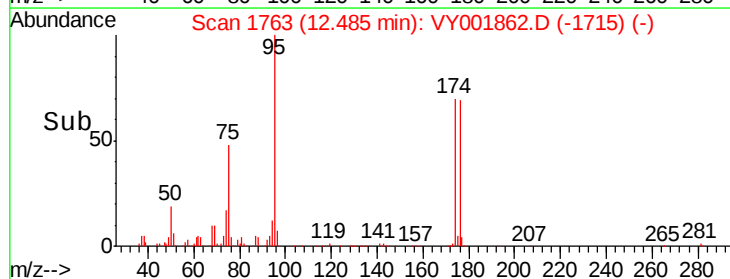
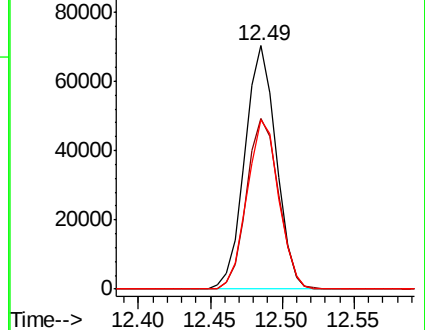
176 70.2 0.0 137.4

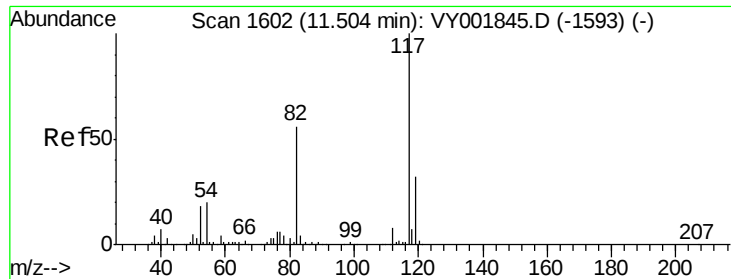


Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

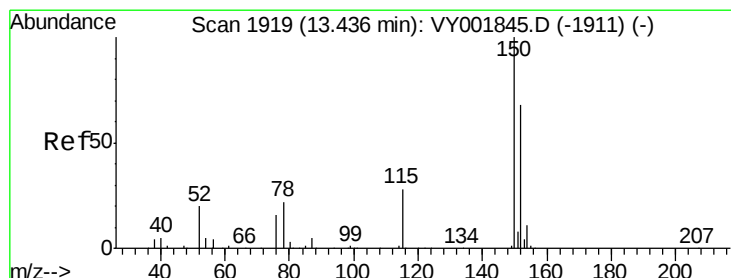
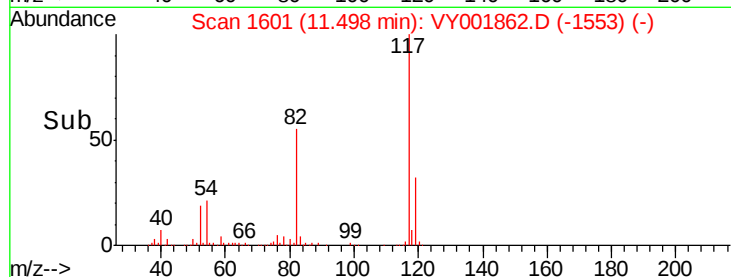
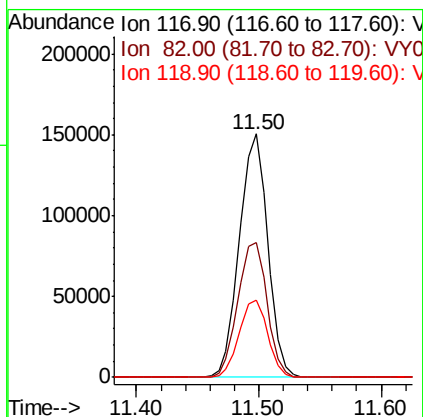
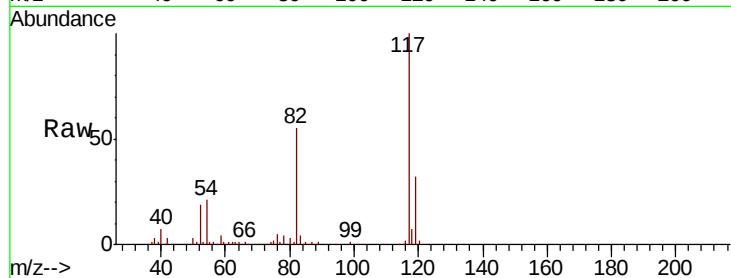




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: VY001862.D
Acq: 04 Mar 2020 18:27

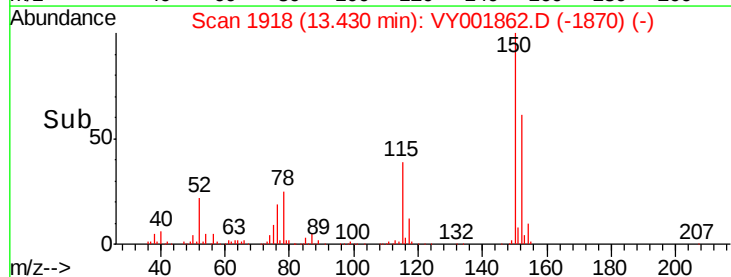
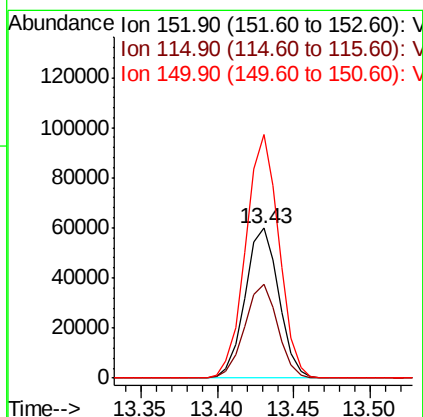
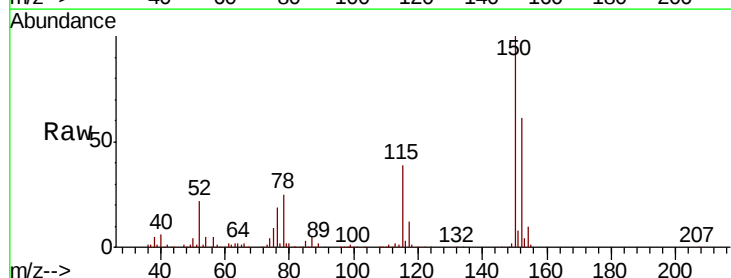
Instrument :
MSVOA_Y
ClientSampleId :
S3

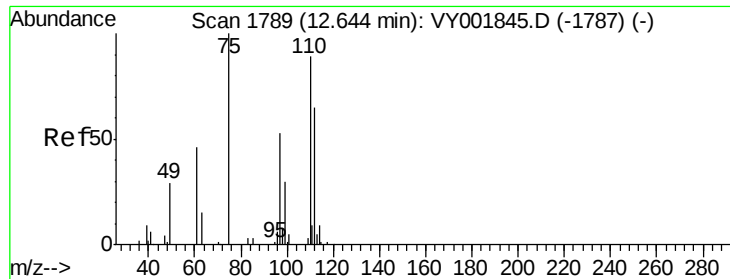
Tot Ion	Ratio	Lower	Upper
117	100		
82	55.4	44.5	66.7
119	31.9	25.7	38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.43 min Scan# 1918
Delta R.T. -0.01 min
Lab File: VY001862.D
Acq: 04 Mar 2020 18:27

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.5	29.9	89.7
150	159.6	0.0	340.6





#76

1,2,3-Trichloropropane

Concen: 48.930 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.16 min

Lab File: VY001862.D

Acq: 04 Mar 2020 18:27

Instrument :

MSVOA_Y

ClientSampleId :

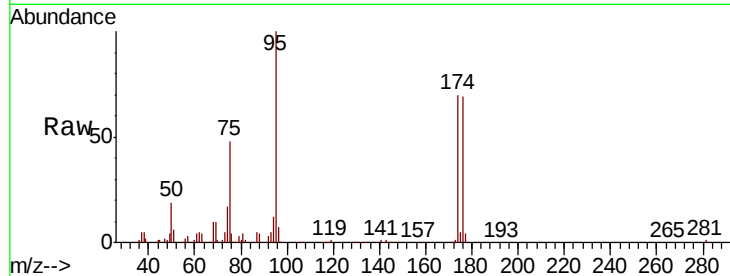
S3

Tot Ion: 75 Resp: 53344

Ion Ratio Lower Upper

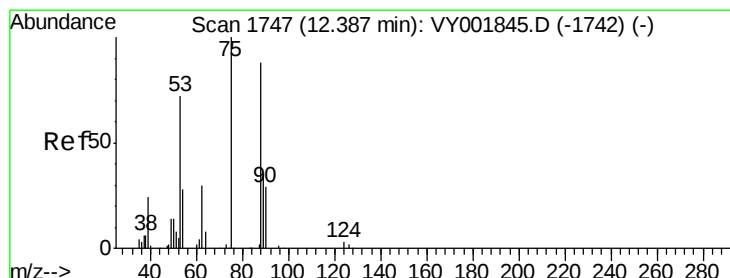
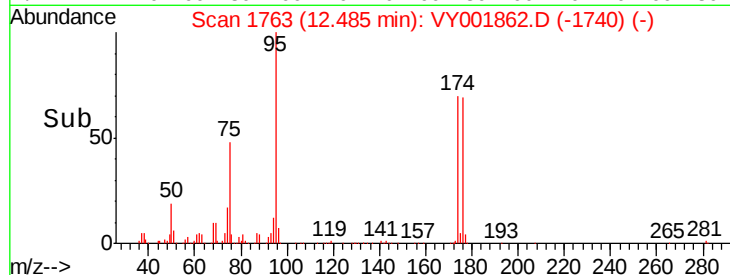
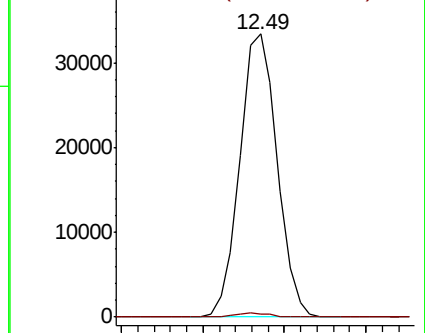
75 100

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: 98.836 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. 0.10 min

Lab File: VY001862.D

Acq: 04 Mar 2020 18:27

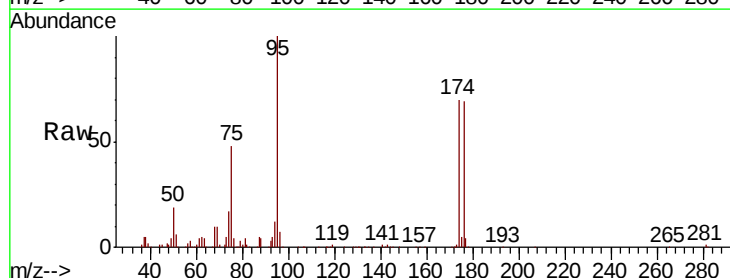
Tgt Ion: 75 Resp: 53344

Ion Ratio Lower Upper

75 100

53 0.0 65.4 98.0#

89 0.0 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

