

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY031820\
 Data File : VY002009.D
 Acq On : 18 Mar 2020 16:42
 Operator : SY/MD
 Sample : L1965-01
 Misc : 7.19G/5ML/MSVOA Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 80564952

Quant Time: Mar 19 01:27:12 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	7.82	168	139513	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	267627	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	241505	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	98432	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	85632	57.49	ug/l	0.00
Spiked Amount			Recovery	=	114.98%	
35) Dibromofluoromethane	7.74	113	79242	54.22	ug/l	0.00
Spiked Amount			Recovery	=	108.44%	
50) Toluene-d8	10.19	98	323807	52.55	ug/l	0.00
Spiked Amount			Recovery	=	105.10%	
62) 4-Bromofluorobenzene	12.49	95	105800	49.38	ug/l	0.00
Spiked Amount			Recovery	=	98.76%	

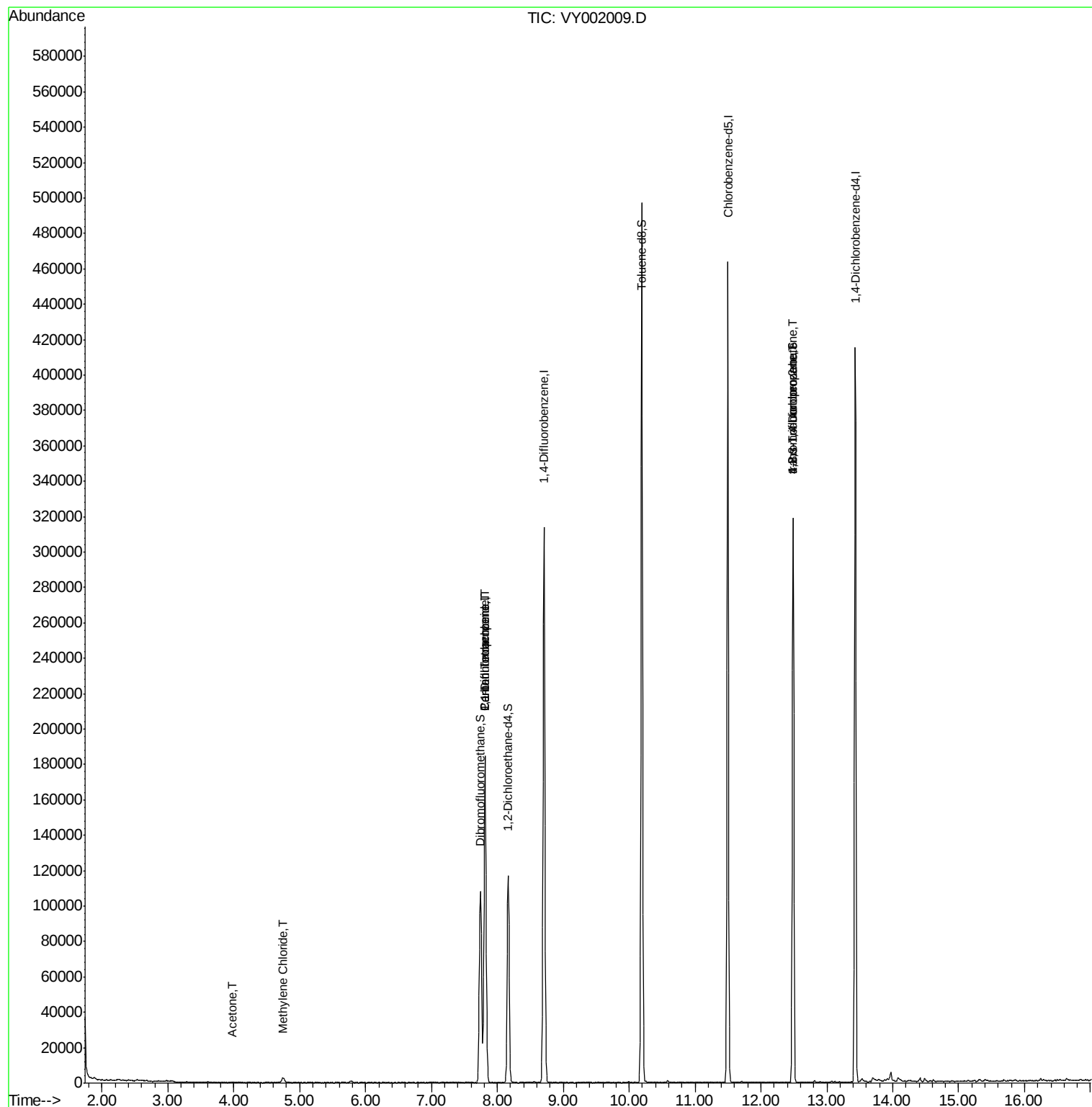
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.68	94	50	Below Cal	#	73
11) Tert butyl alcohol	4.99	59	49	Below Cal	#	74
16) Acetone	3.99	43	569	1.312	ug/l #	84
20) Methylene Chloride	4.74	84	2223	1.196	ug/l #	85
36) 1,1-Dichloropropene	7.81	75	11355	4.409	ug/l #	50
38) Carbon Tetrachloride	7.82	117	14763	6.710	ug/l #	16
76) 1,2,3-Trichloropropane	12.49	75	52936	45.323	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	52936	91.551	ug/l #	17

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY031820\
Data File : VY002009.D
Acq On : 18 Mar 2020 16:42
Operator : SY/MD
Sample : L1965-01
Misc : 7.19G/5ML/MSVOA Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
80564952

Quant Time: Mar 19 01:27:12 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: 7.82 min Scan# 997

Delta R.T. 0.00 min

Lab File: VY002009.D

Acq: 18 Mar 2020 16:42

Instrument :

MSVOA_Y

ClientSampleId :

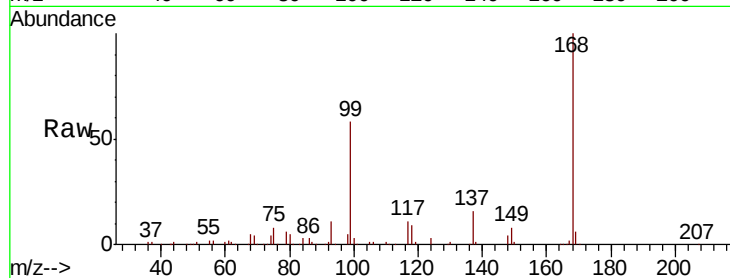
80564952

Tot Ion:168 Resp: 139513

Ion Ratio Lower Upper

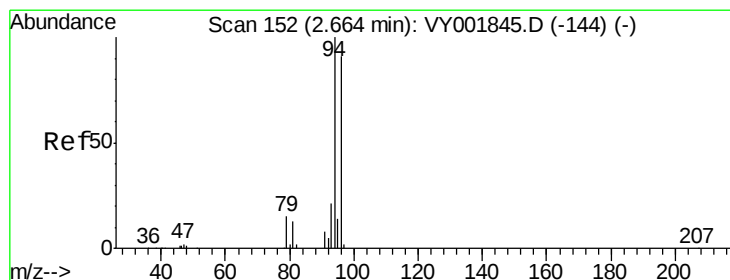
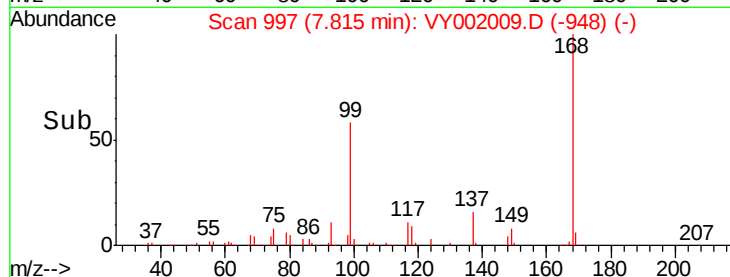
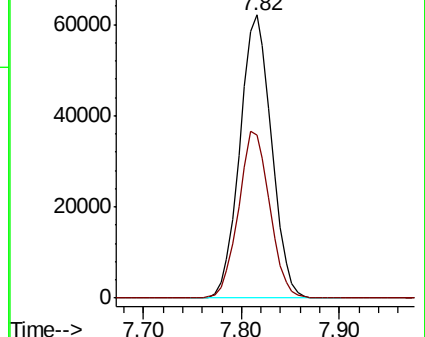
168 100

99 57.5 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# 155

Delta R.T. 0.02 min

Lab File: VY002009.D

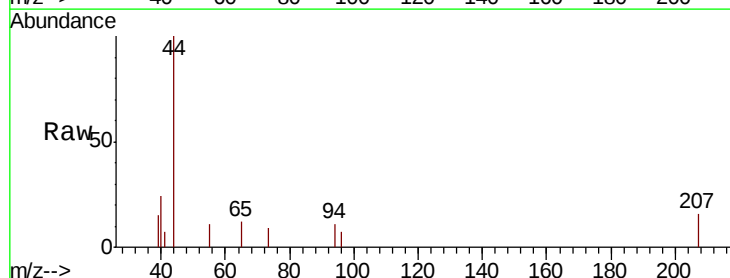
Acq: 18 Mar 2020 16:42

Tgt Ion: 94 Resp: 50

Ion Ratio Lower Upper

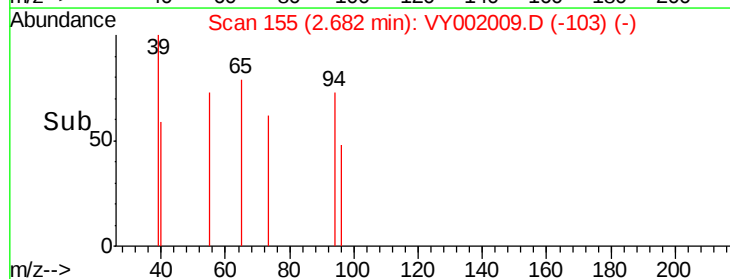
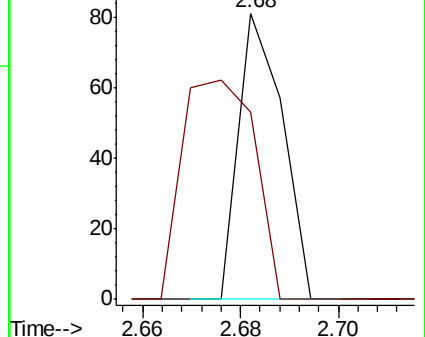
94 100

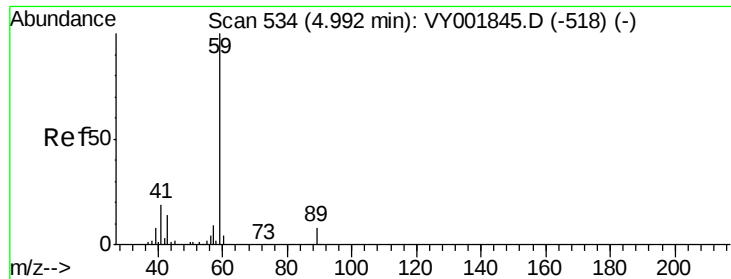
96 65.4 73.2 109.8#



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

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



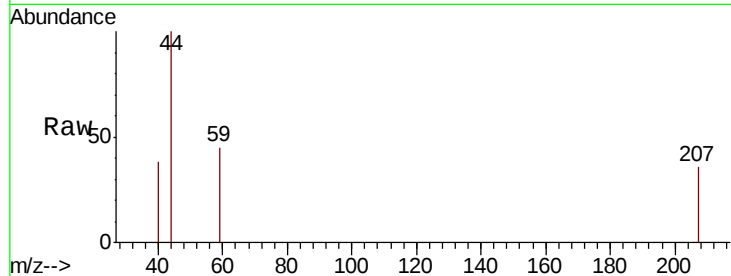


#11

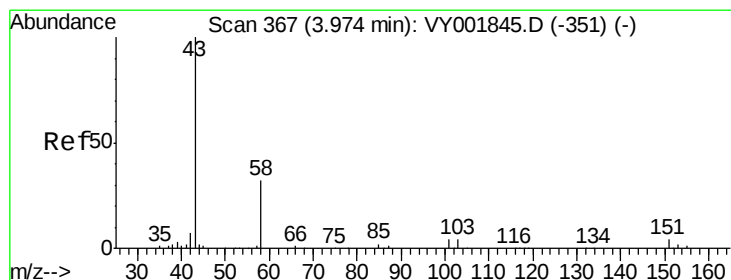
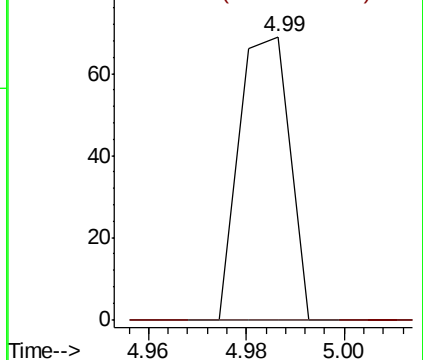
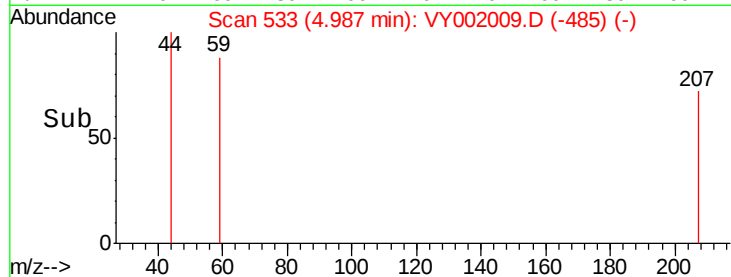
Tert butyl alcohol
 Concen: Below Cal
 RT: 4.99 min Scan# 533
 Delta R.T. -0.01 min
 Lab File: VY002009.D
 Acq: 18 Mar 2020 16:42

Instrument :
 MSVOA_Y
 ClientSampleId :
 80564952

Tot Ion: 59 Resp: 49
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.4 11.2#



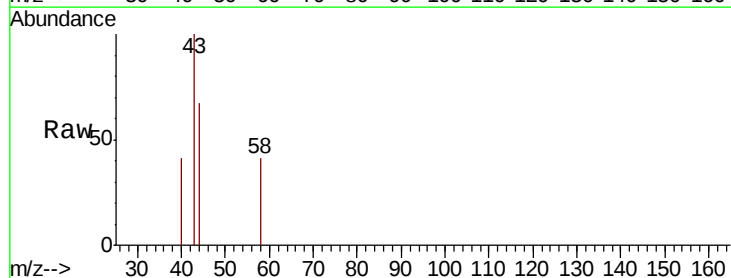
Abundance Ion 59.00 (58.70 to 59.70): VY0
 Ion 57.00 (56.70 to 57.70): VY0



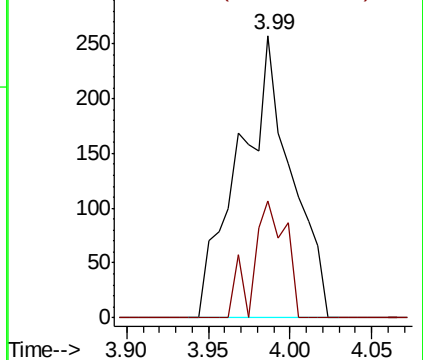
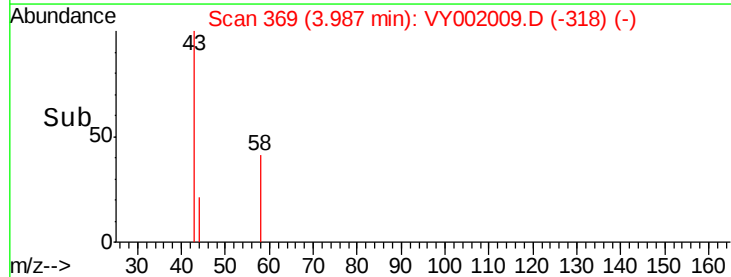
#16

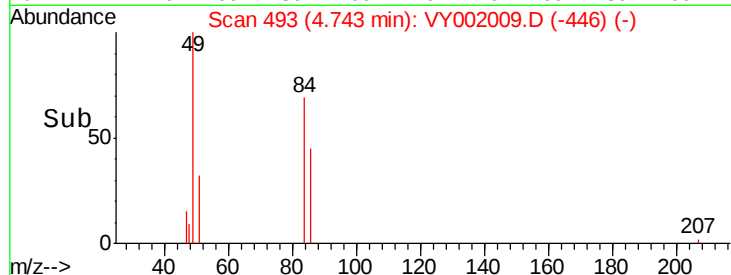
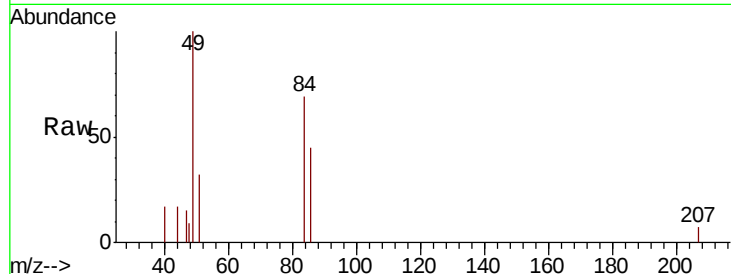
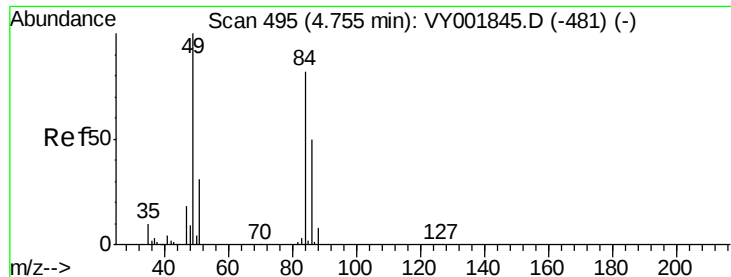
Acetone
 Concen: 1.312 ug/l
 RT: 3.99 min Scan# 369
 Delta R.T. 0.01 min
 Lab File: VY002009.D
 Acq: 18 Mar 2020 16:42

Tgt Ion: 43 Resp: 569
 Ion Ratio Lower Upper
 43 100
 58 41.5 25.9 38.9#



Abundance Ion 43.00 (42.70 to 43.70): VY0
 Ion 58.00 (57.70 to 58.70): VY0

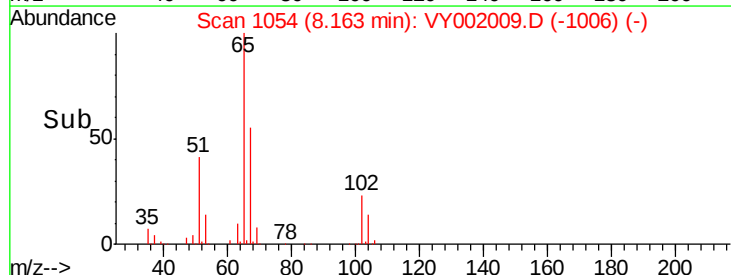
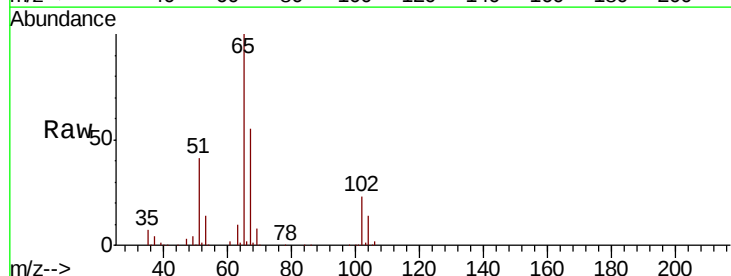
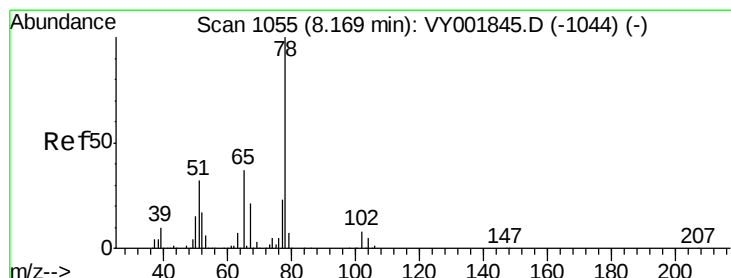
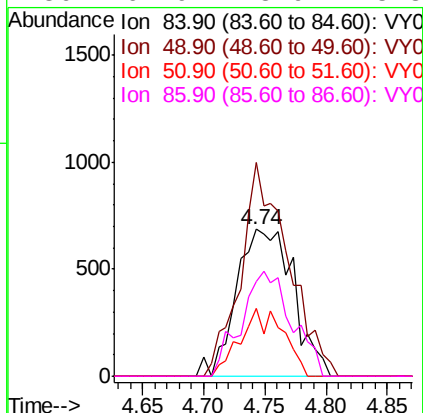




#20
Methvlene Chloride
Concen: 1.196 ug/l
RT: 4.74 min Scan# 493
Delta R.T. -0.01 min
Lab File: VY002009.D
Acq: 18 Mar 2020 16:42

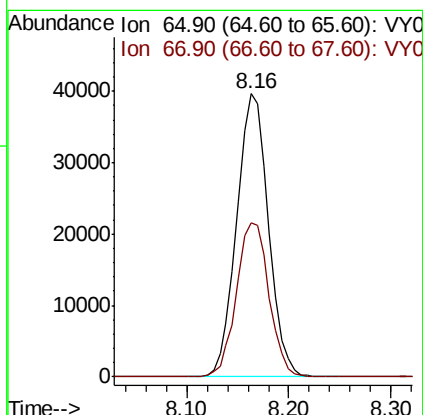
Instrument :
MSVOA_Y
ClientSampleId :
80564952

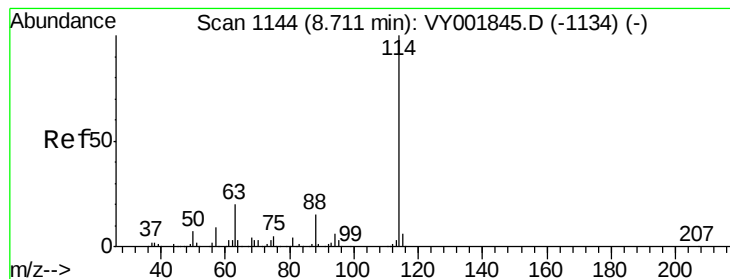
Tot Ion: 84 Resp: 2223
Ion Ratio Lower Upper
84 100
49 145.5 98.2 147.2
51 46.1 30.2 45.2#
86 64.9 48.9 73.3



#33
1,2-Dichloroethane-d4
Concen: 57.495 ug/l
RT: 8.16 min Scan# 1054
Delta R.T. -0.01 min
Lab File: VY002009.D
Acq: 18 Mar 2020 16:42

Tgt Ion: 65 Resp: 85632
Ion Ratio Lower Upper
65 100
67 55.9 0.0 110.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.71 min Scan# 1143

Delta R.T. -0.01 min

Lab File: VY002009.D

Acq: 18 Mar 2020 16:42

Instrument :

MSVOA_Y

ClientSampleId :

80564952

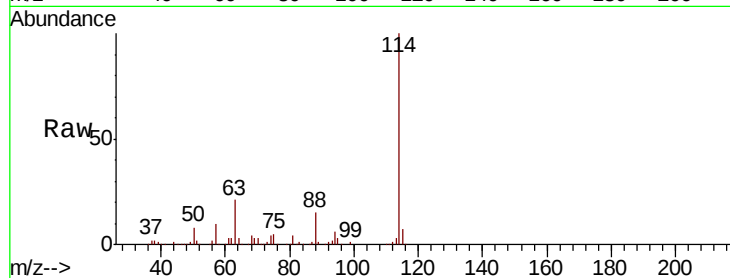
Tot Ion:114 Resp: 267627

Ion Ratio Lower Upper

114 100

63 21.0 0.0 39.4

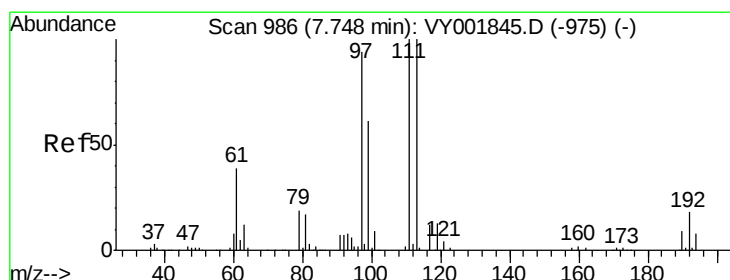
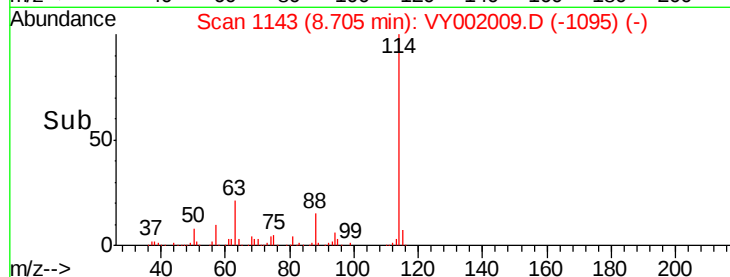
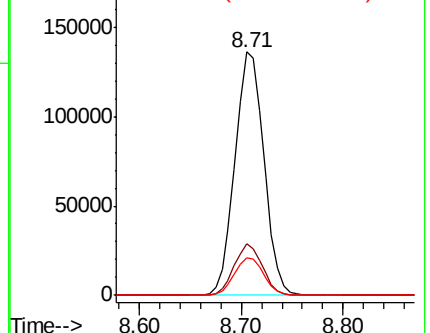
88 15.4 0.0 30.4



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: 54.225 ug/l

RT: 7.74 min Scan# 985

Delta R.T. -0.01 min

Lab File: VY002009.D

Acq: 18 Mar 2020 16:42

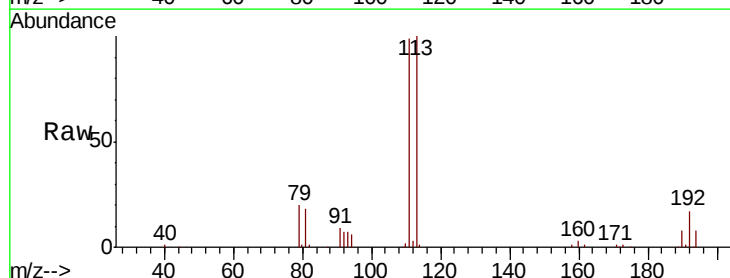
Tgt Ion:113 Resp: 79242

Ion Ratio Lower Upper

113 100

111 101.3 81.8 122.8

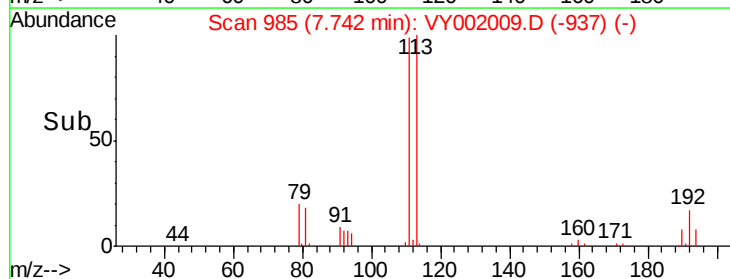
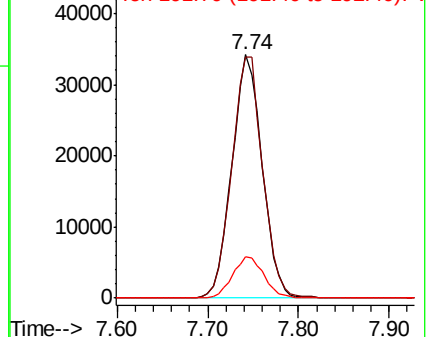
192 17.6 14.2 21.2

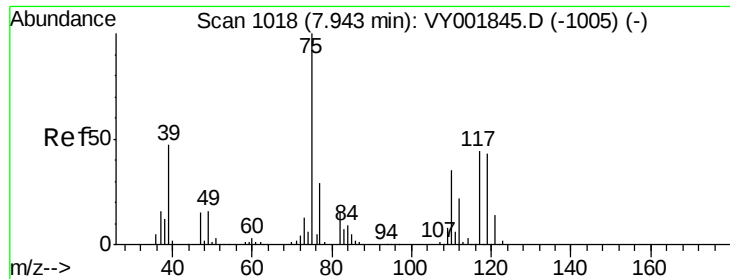


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

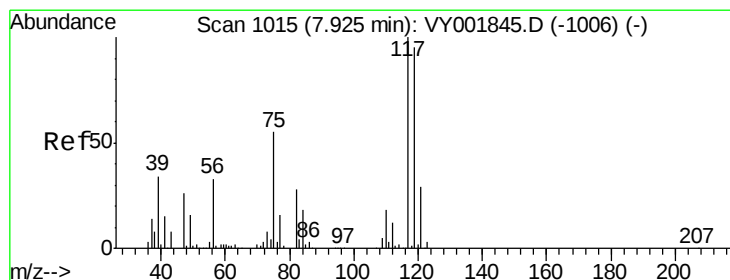
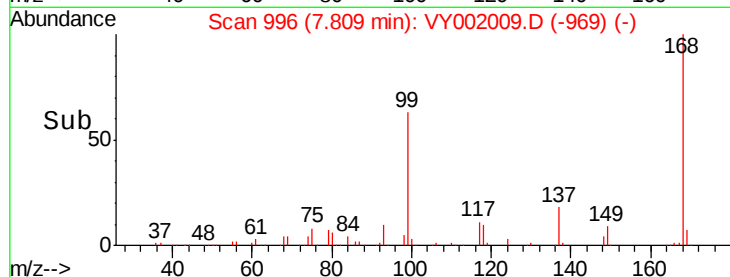
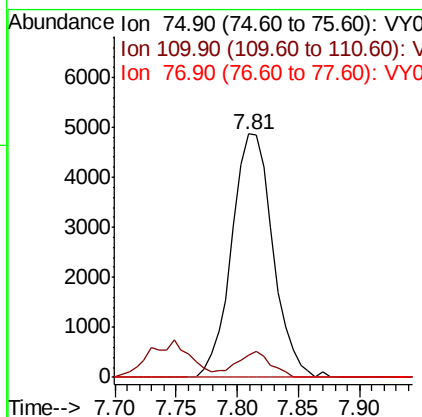
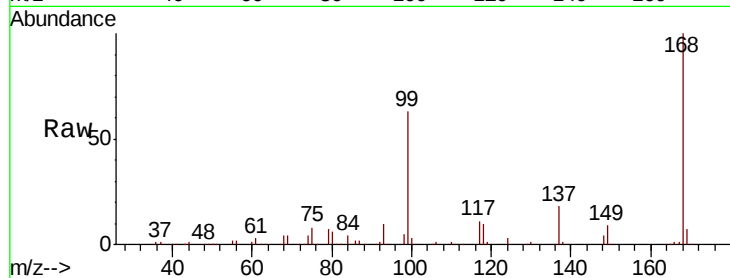




#36
 1,1-Dichloropropene
 Concen: 4.409 ug/l
 RT: 7.81 min Scan# 996
 Delta R.T. -0.13 min
 Lab File: VY002009.D
 Acq: 18 Mar 2020 16:42

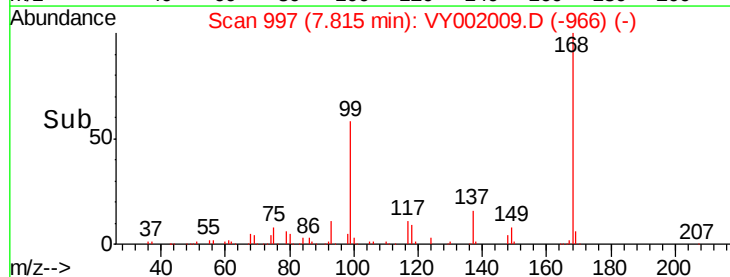
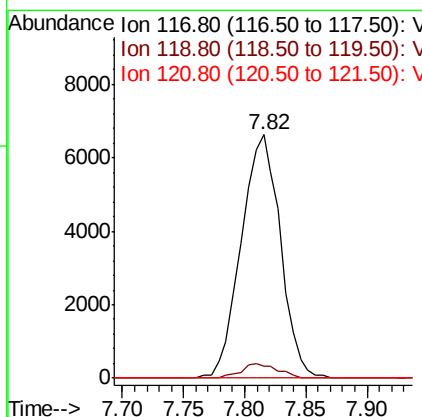
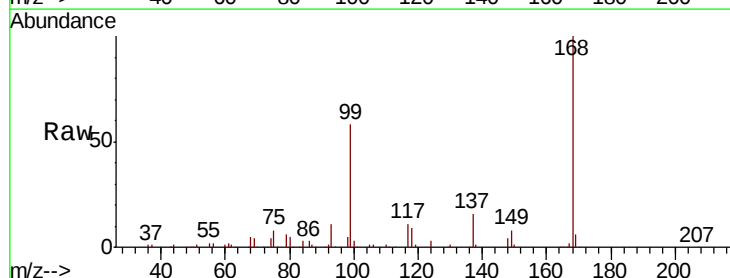
Instrument :
 MSVOA_Y
 ClientSampleId :
 80564952

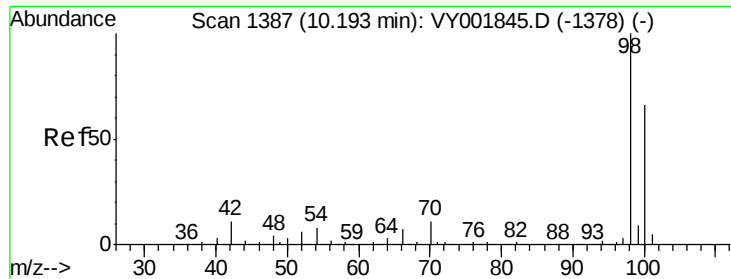
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.6	17.4	52.2#
77	0.0	24.2	36.2#



#38
 Carbon Tetrachloride
 Concen: 6.710 ug/l
 RT: 7.82 min Scan# 997
 Delta R.T. -0.11 min
 Lab File: VY002009.D
 Acq: 18 Mar 2020 16:42

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.2	76.3	114.5#
121	0.0	23.5	35.3#





#50

Toluene-d8

Concen: 52.546 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. 0.00 min

Lab File: VY002009.D

Acq: 18 Mar 2020 16:42

Instrument :

MSVOA_Y

ClientSampleId :

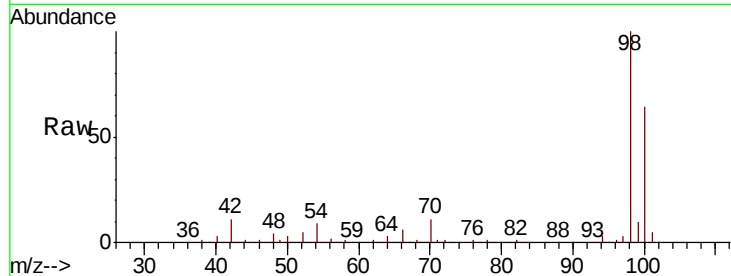
80564952

Tot Ion: 98 Resp: 323807

Ion Ratio Lower Upper

98 100

100 65.5 53.0 79.4



Abundance Ion 98.00 (97.70 to 98.70): VY001845.D (-1378) (-)

Ion 100.00 (99.70 to 100.70): VY001845.D (-1378) (-)

10.19

200000

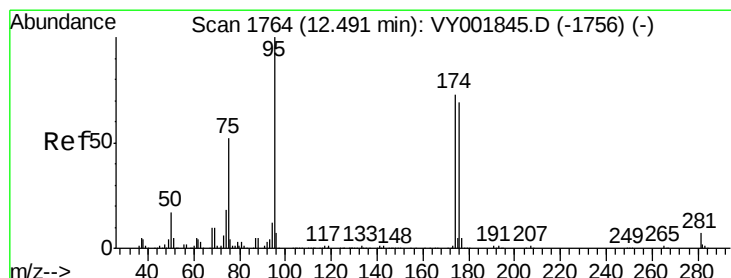
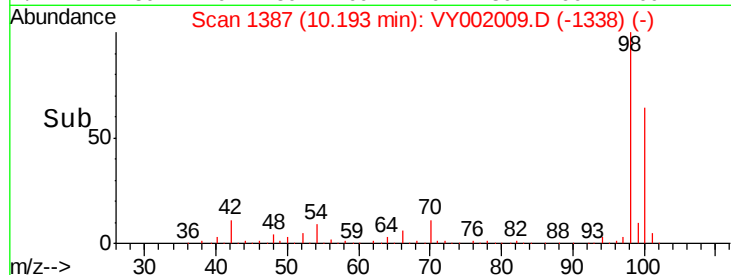
150000

100000

50000

0

Time--> 10.10 10.15 10.20 10.25



#62

4-Bromofluorobenzene

Concen: 49.377 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VY002009.D

Acq: 18 Mar 2020 16:42

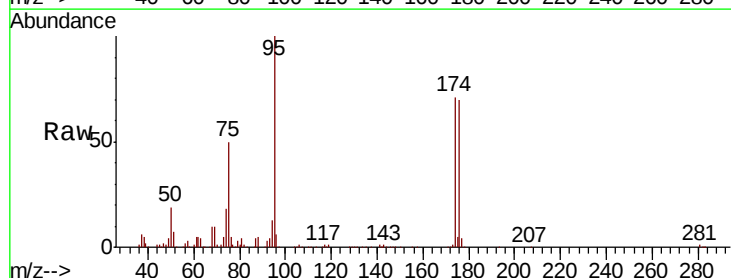
Tgt Ion: 95 Resp: 105800

Ion Ratio Lower Upper

95 100

174 73.1 0.0 145.0

176 71.3 0.0 137.4



Abundance Ion 94.90 (94.60 to 95.60): VY001845.D (-1756) (-)

Ion 173.80 (173.50 to 174.50): VY001845.D (-1756) (-)

Ion 175.80 (175.50 to 176.50): VY001845.D (-1756) (-)

12.49

80000

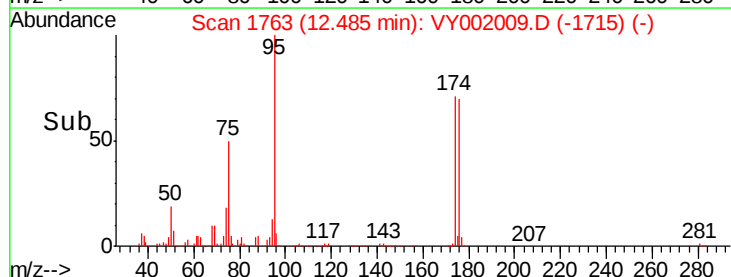
60000

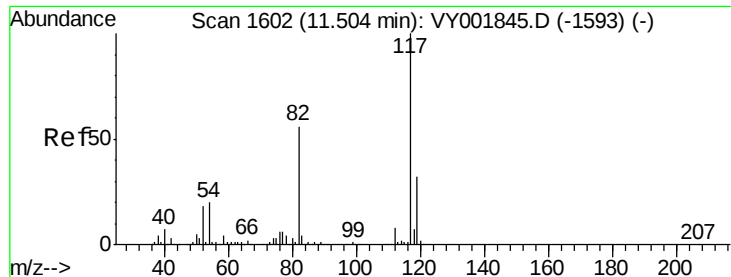
40000

20000

0

Time--> 12.40 12.45 12.50 12.55

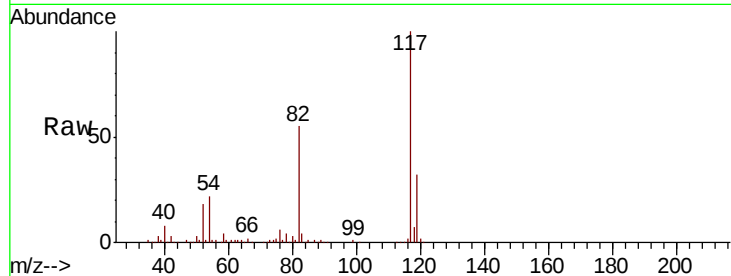




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: VY002009.D
Acq: 18 Mar 2020 16:42

Instrument :
MSVOA_Y
ClientSampleId :
80564952

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.6	44.5	66.7
119	32.2	25.7	38.5

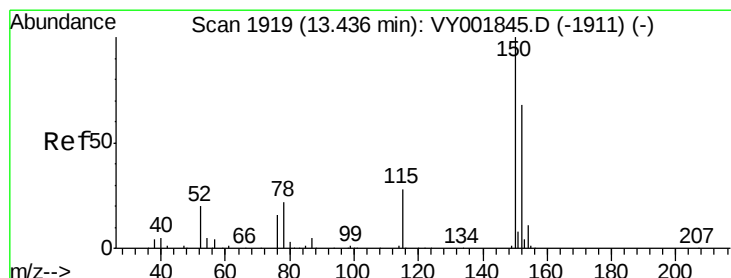
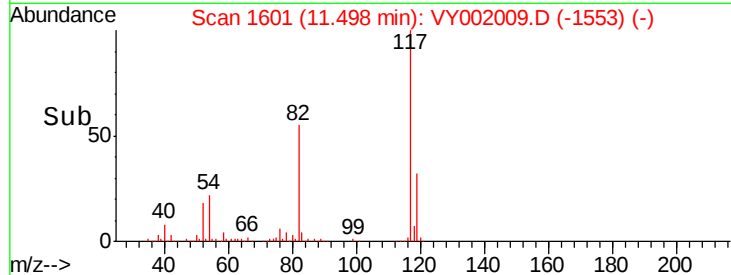
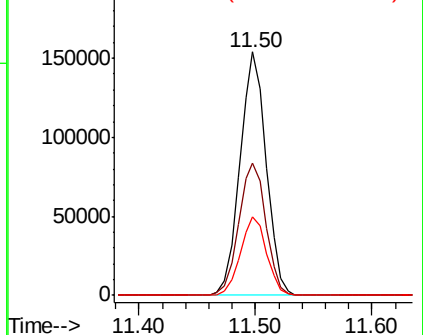


Abundance

Ion 116.90 (116.60 to 117.60): V

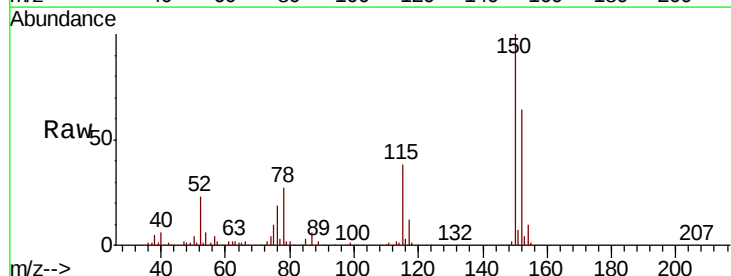
Ion 82.00 (81.70 to 82.70): VY0

Ion 118.90 (118.60 to 119.60): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.43 min Scan# 1918
Delta R.T. -0.01 min
Lab File: VY002009.D
Acq: 18 Mar 2020 16:42

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.1	29.9	89.7
150	159.0	0.0	340.6

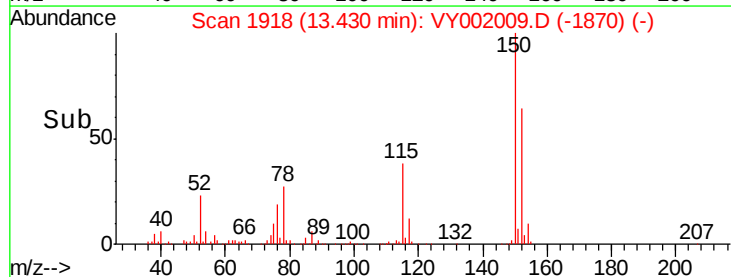
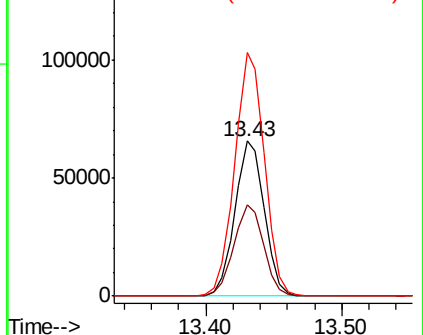


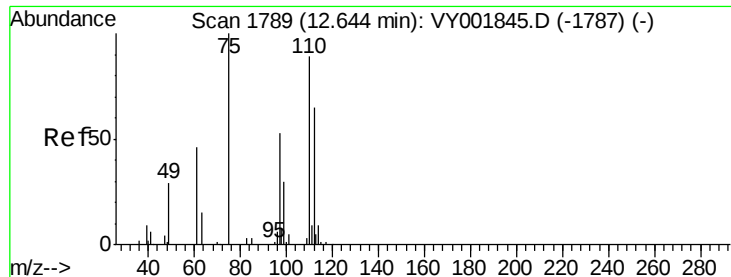
Abundance

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: 45.323 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.16 min

Lab File: VY002009.D

Acq: 18 Mar 2020 16:42

Instrument :

MSVOA_Y

ClientSampleId :

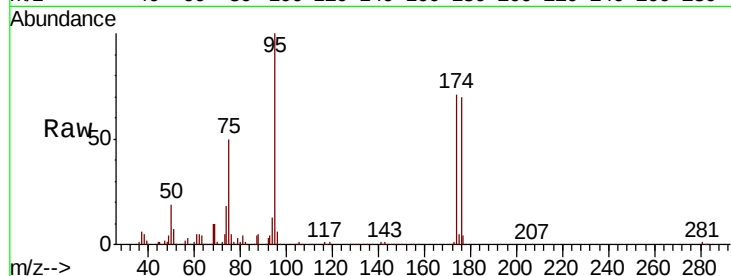
80564952

Tot Ion: 75 Resp: 52936

Ion Ratio Lower Upper

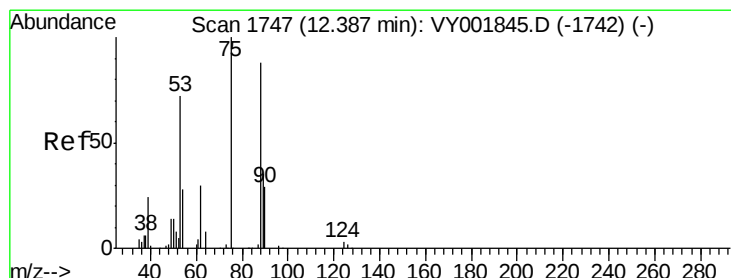
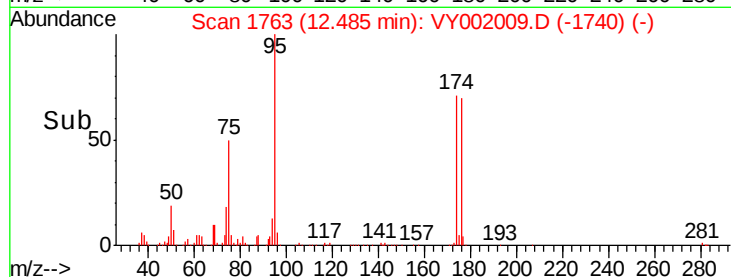
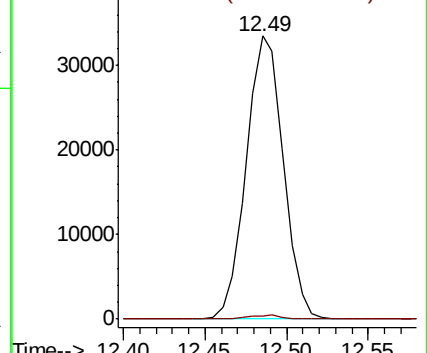
75 100

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: 91.551 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. 0.10 min

Lab File: VY002009.D

Acq: 18 Mar 2020 16:42

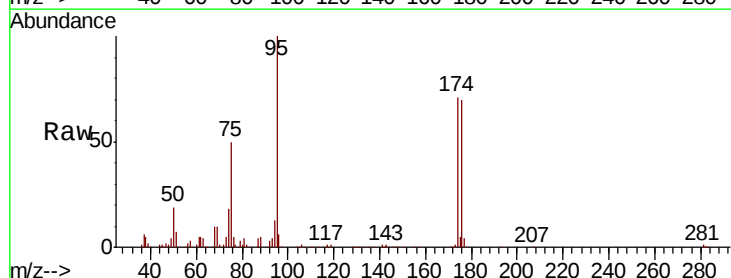
Tgt Ion: 75 Resp: 52936

Ion Ratio Lower Upper

75 100

53 0.0 65.4 98.0#

89 0.1 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

