

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY072020\
 Data File : VY003245.D
 Acq On : 20 Jul 2020 20:25
 Operator : SY/MD
 Sample : L3308-19
 Misc : 5.04G/5ML/MSVOA Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 19

Quant Time: Jul 21 03:20:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y071020S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 10 13:18:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	345960	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	524080	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	433073	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	178786	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	198473	67.97	ug/l	0.00
Spiked Amount			Recovery	=	135.94%	
35) Dibromofluoromethane	7.72	113	176788	58.62	ug/l	0.00
Spiked Amount			Recovery	=	117.24%	
50) Toluene-d8	10.18	98	611521	54.54	ug/l	0.00
Spiked Amount			Recovery	=	109.08%	
62) 4-Bromofluorobenzene	12.48	95	175398	43.30	ug/l	0.00
Spiked Amount			Recovery	=	86.60%	

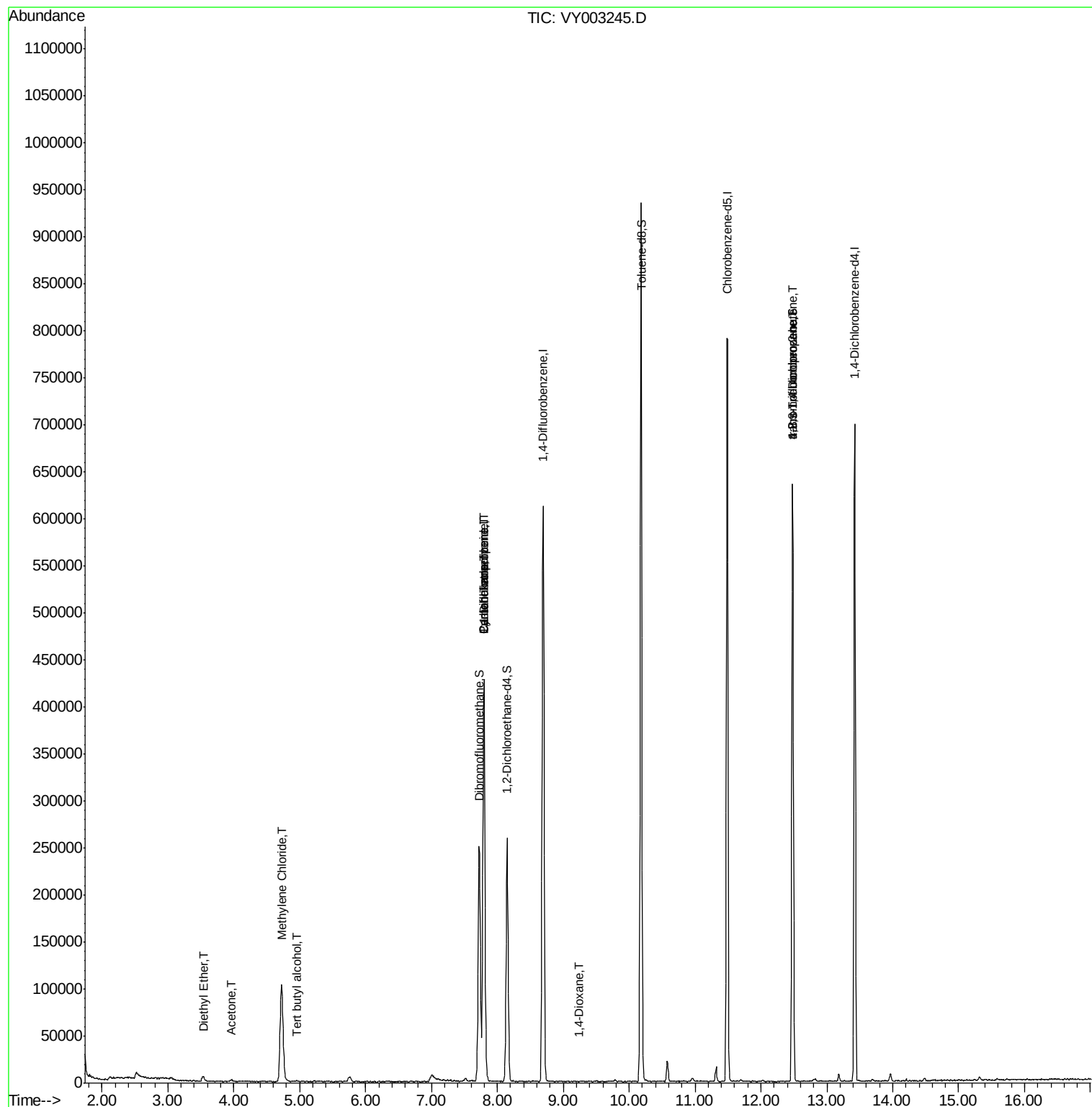
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.54	74	3191	1.890	ug/l	84
11) Tert butyl alcohol	4.96	59	531	1.682	ug/l #	92
16) Acetone	3.96	43	2500	3.833	ug/l #	85
20) Methylene Chloride	4.72	84	79470	21.032	ug/l	95
31) Cyclohexane	7.80	56	6677	1.257	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	25260	5.318	ug/l #	50
38) Carbon Tetrachloride	7.79	117	31839	6.493	ug/l #	17
49) 1,4-Dioxane	9.23	88	39	1.555	ug/l #	28
76) 1,2,3-Trichloropropane	12.48	75	92358	58.360	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	92358	113.579	ug/l #	13

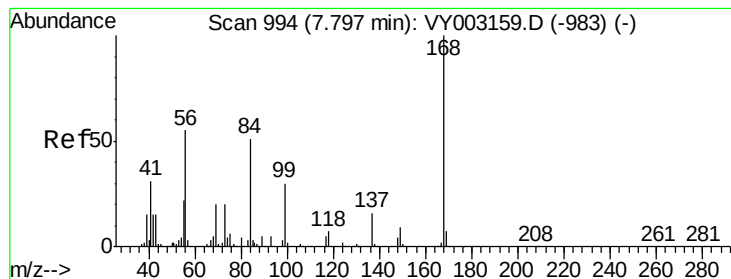
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.00 min

Lab File: VY003245.D

Acq: 20 Jul 2020 20:25

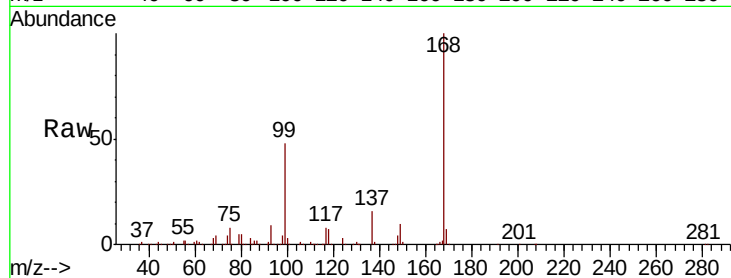
Instrument :
MSVOA_Y
ClientSampleId :
19

Tot Ion:168 Resp: 345960

Ion Ratio Lower Upper

168 100

99 48.4 37.3 55.9



Abundance Ion 167.90 (167.60 to 168.60): VY003159.D (-983) (-)

Ion 98.90 (98.60 to 99.60): VY003159.D (-983) (-)

7.80

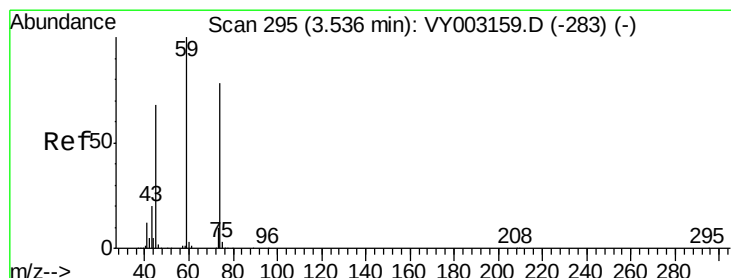
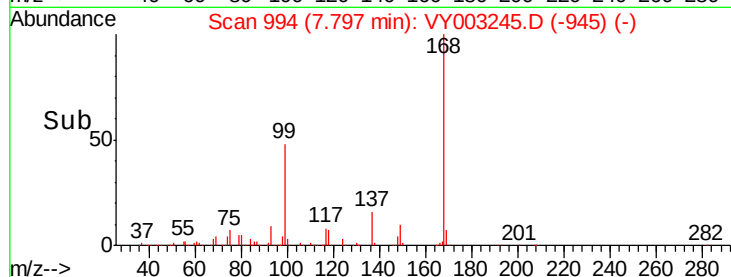
150000

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 1.890 ug/l

RT: 3.54 min Scan# 295

Delta R.T. 0.00 min

Lab File: VY003245.D

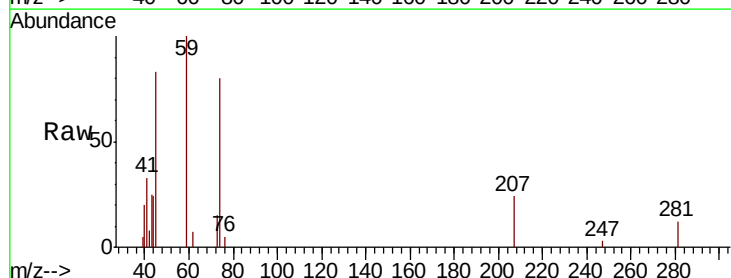
Acq: 20 Jul 2020 20:25

Tgt Ion: 74 Resp: 3191

Ion Ratio Lower Upper

74 100

45 105.9 45.3 135.8



Abundance Ion 74.00 (73.70 to 74.70): VY003159.D (-283) (-)

Ion 45.00 (44.70 to 45.70): VY003159.D (-283) (-)

3.54

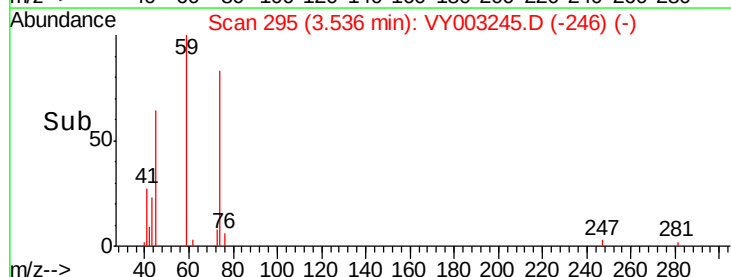
1500

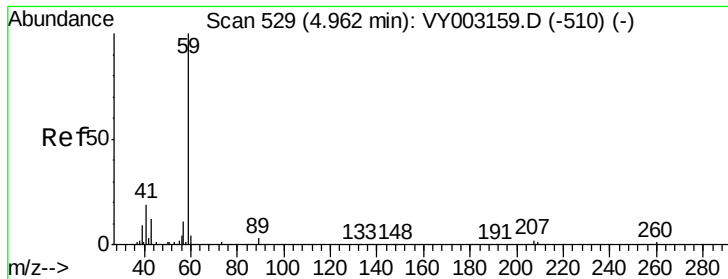
1000

500

0

Time-->

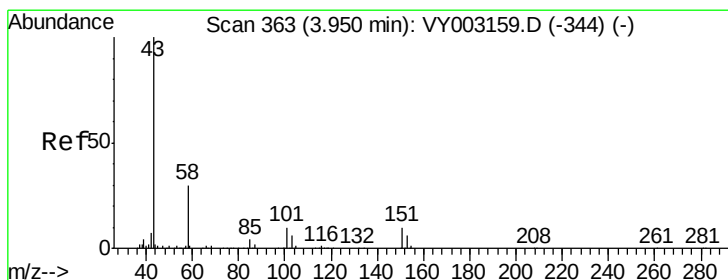
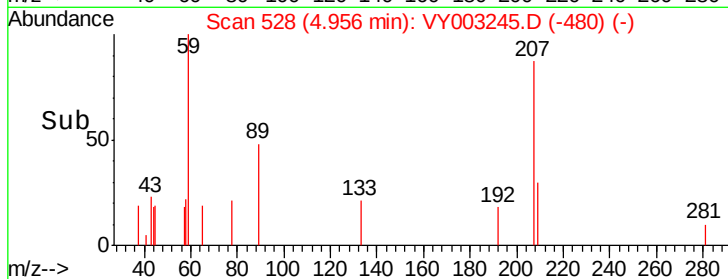
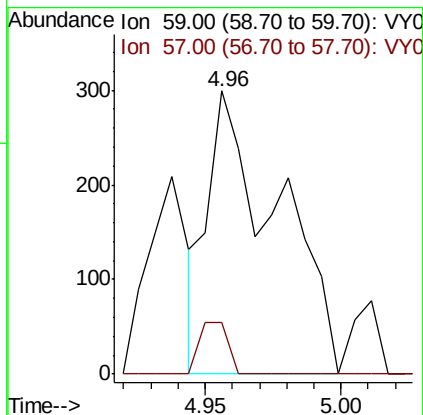
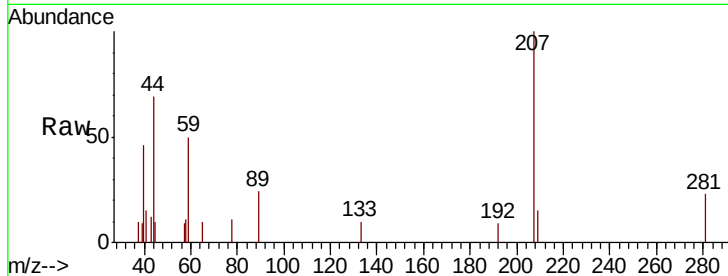




#11
Tert butyl alcohol
Concen: 1.682 ug/l
RT: 4.96 min Scan# 528
Delta R.T. -0.01 min
Lab File: VY003245.D
Acq: 20 Jul 2020 20:25

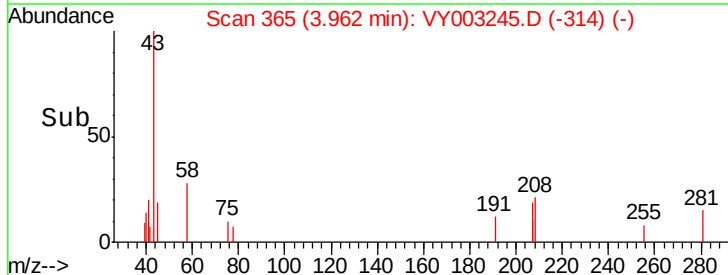
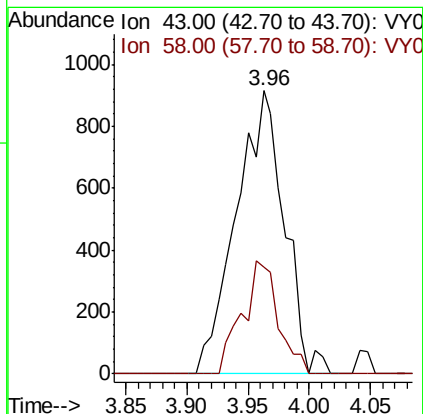
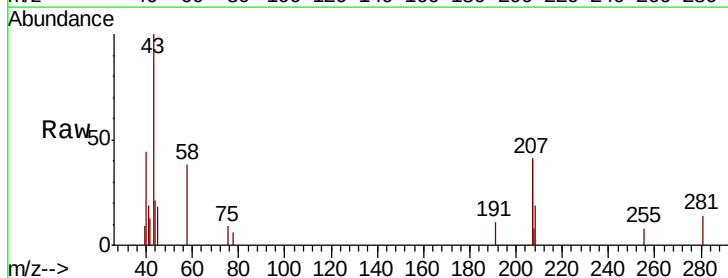
Instrument :
MSVOA_Y
ClientSampleId :
19

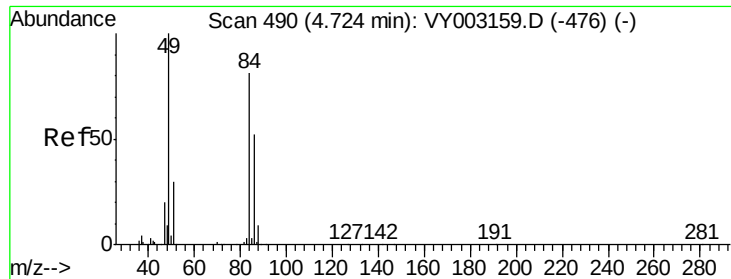
Tot Ion: 59 Resp: 531
Ion Ratio Lower Upper
59 100
57 7.5 8.4 12.6#



#16
Acetone
Concen: 3.833 ug/l
RT: 3.96 min Scan# 365
Delta R.T. 0.01 min
Lab File: VY003245.D
Acq: 20 Jul 2020 20:25

Tgt Ion: 43 Resp: 2500
Ion Ratio Lower Upper
43 100
58 37.5 23.8 35.6#

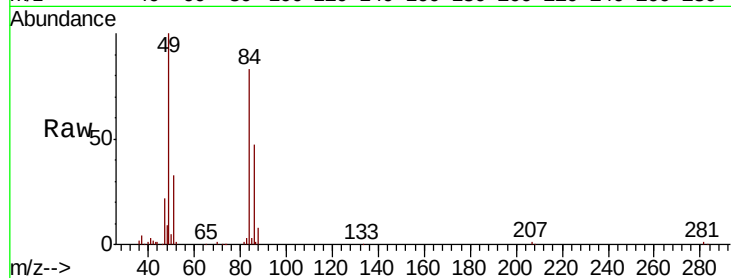




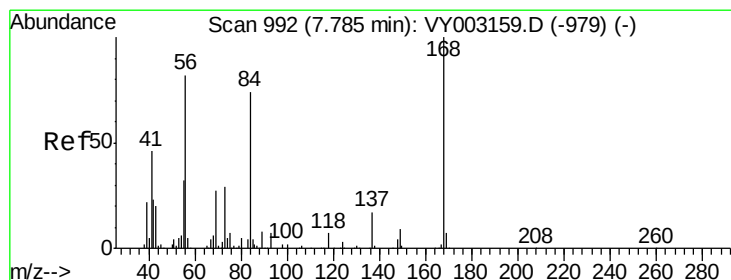
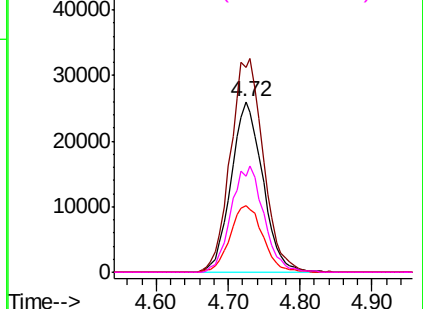
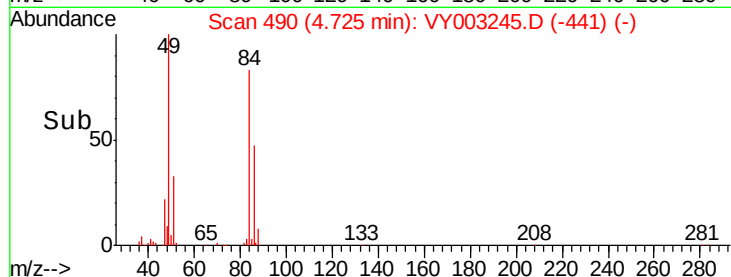
#20
Methylene Chloride
Concen: 21.032 ug/l
RT: 4.72 min Scan# 490
Delta R.T. 0.00 min
Lab File: VY003245.D
Acq: 20 Jul 2020 20:25

Instrument :
MSVOA_Y
ClientSampleId :
19

Tot Ion:	84	Resp:	79470
Ion	Ratio	Lower	Upper
84	100		
49	119.8	98.2	147.4
51	39.4	29.8	44.6
86	56.7	51.2	76.8

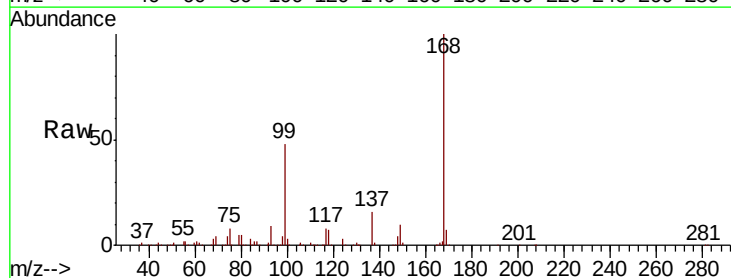


Abundance Ion 83.90 (83.60 to 84.60): VY0
Ion 48.90 (48.60 to 49.60): VY0
Ion 50.90 (50.60 to 51.60): VY0
Ion 85.90 (85.60 to 86.60): VY0

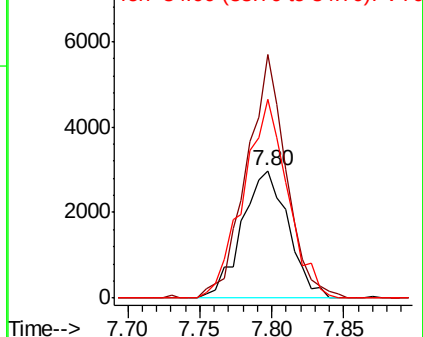
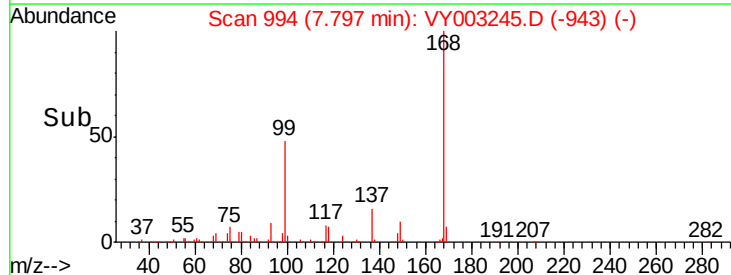


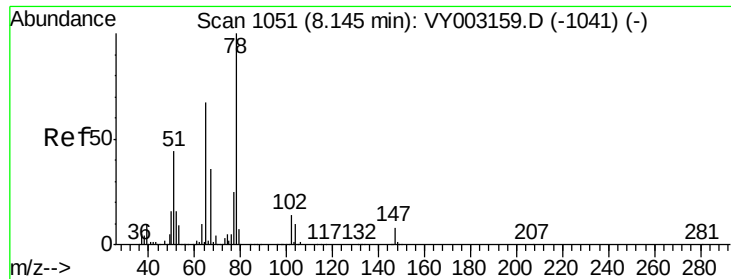
#31
Cyclohexane
Concen: 1.257 ug/l
RT: 7.80 min Scan# 994
Delta R.T. 0.01 min
Lab File: VY003245.D
Acq: 20 Jul 2020 20:25

Tgt Ion:	56	Resp:	6677
Ion	Ratio	Lower	Upper
56	100		
69	190.8	26.7	40.1#
84	166.9	72.3	108.5#



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

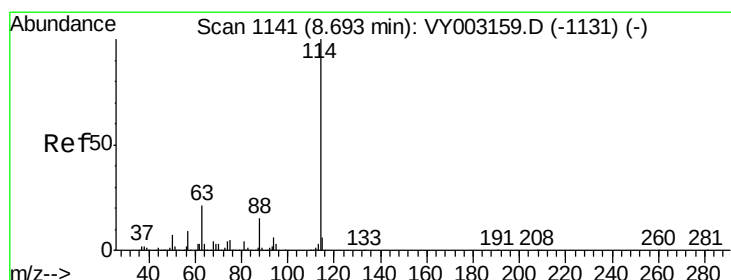
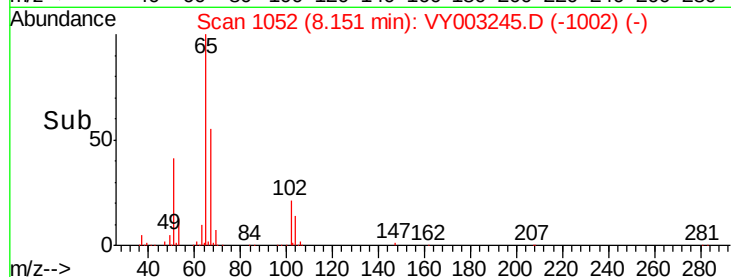
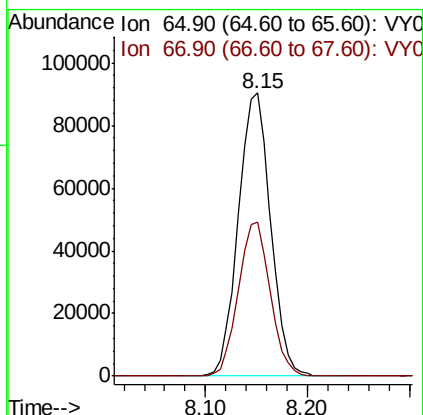
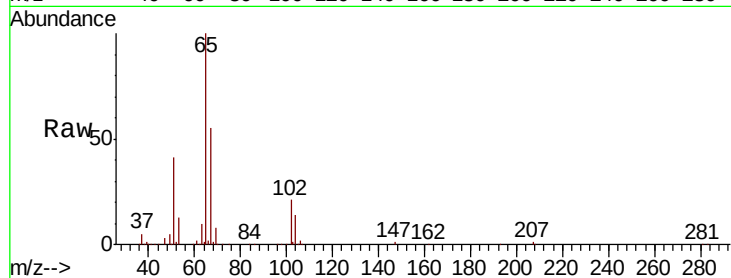




#33
 1,2-Dichloroethane-d4
 Concen: 67.970 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. 0.01 min
 Lab File: VY003245.D
 Acq: 20 Jul 2020 20:25

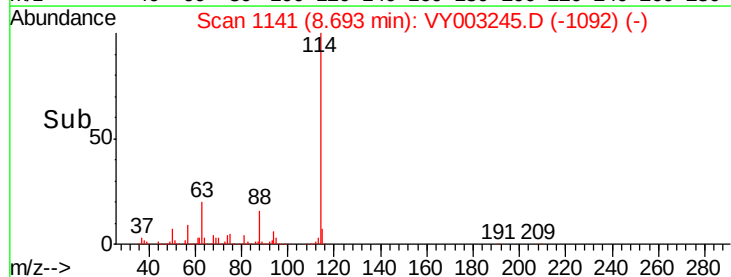
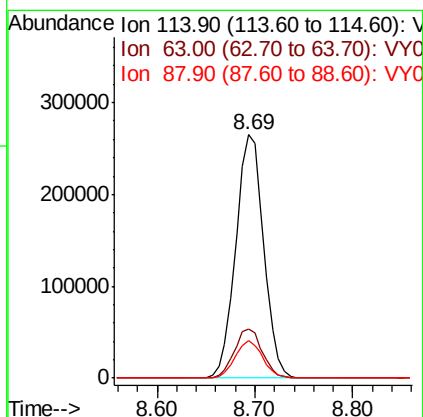
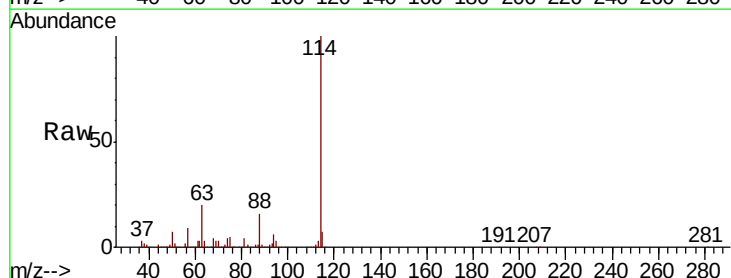
Instrument :
 MSVOA_Y
 ClientSampled :
 19

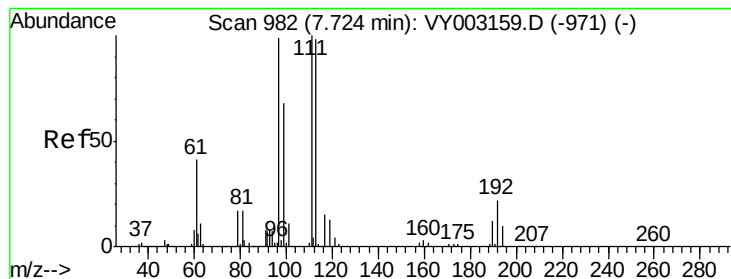
Tot Ion: 65 Resp: 198473
 Ion Ratio Lower Upper
 65 100
 67 53.7 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. 0.00 min
 Lab File: VY003245.D
 Acq: 20 Jul 2020 20:25

Tgt Ion: 114 Resp: 524080
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 41.2
 88 15.6 0.0 30.2





#35

Dibromofluoromethane

Concen: 58.618 ug/l

RT: 7.72 min Scan# 982

Delta R.T. 0.00 min

Lab File: VY003245.D

Acq: 20 Jul 2020 20:25

Instrument :

MSVOA_Y

ClientSampleId :

19

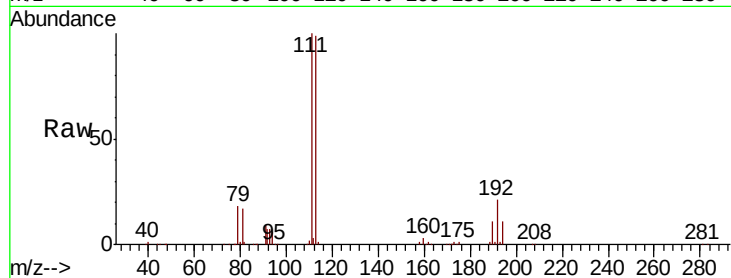
Tot Ion:113 Resp: 176788

Ion Ratio Lower Upper

113 100

111 102.0 82.1 123.1

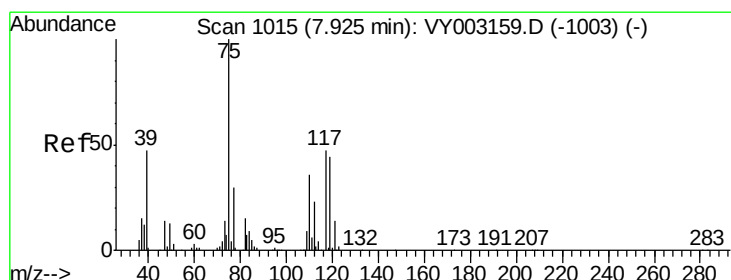
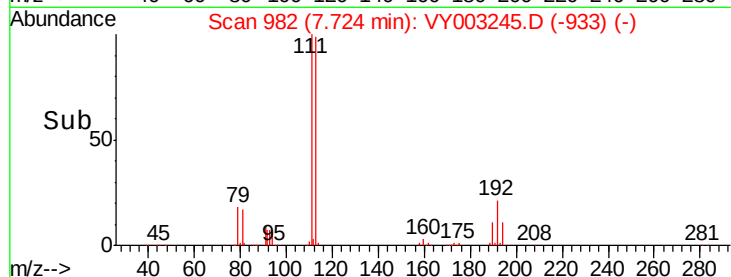
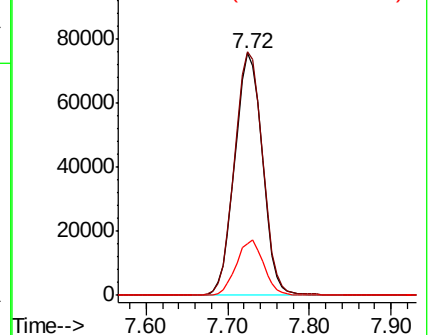
192 22.7 18.8 28.2



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: 5.318 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.13 min

Lab File: VY003245.D

Acq: 20 Jul 2020 20:25

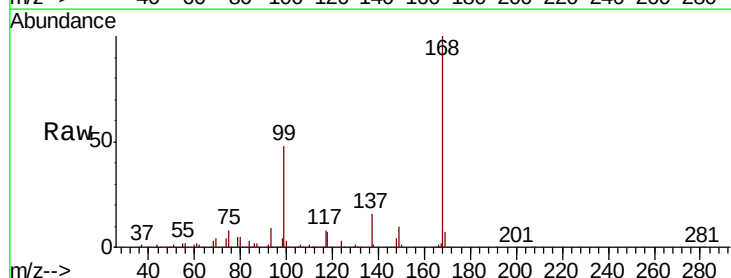
Tgt Ion: 75 Resp: 25260

Ion Ratio Lower Upper

75 100

110 10.0 18.1 54.1#

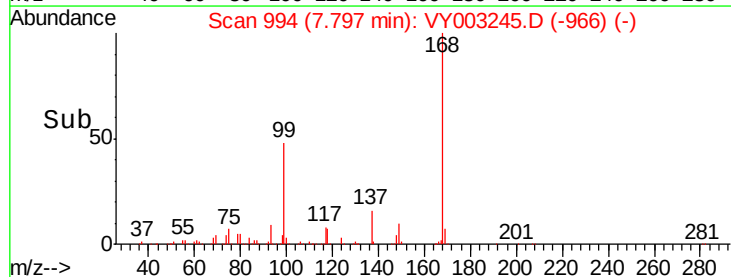
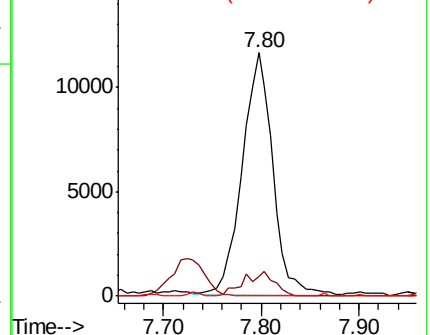
77 0.0 24.8 37.2#

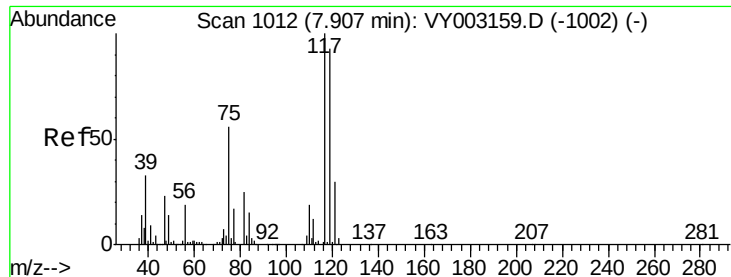


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0





#38

Carbon Tetrachloride

Concen: 6.493 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.12 min

Lab File: VY003245.D

Acq: 20 Jul 2020 20:25

Instrument :

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ClientSampleId :

19

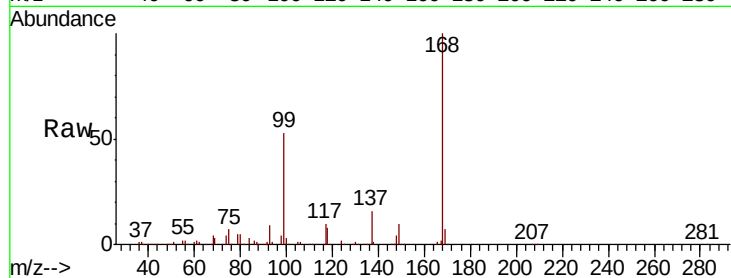
Tot Ion:117 Resp: 31839

Ion Ratio Lower Upper

117 100

119 4.8 74.5 111.7#

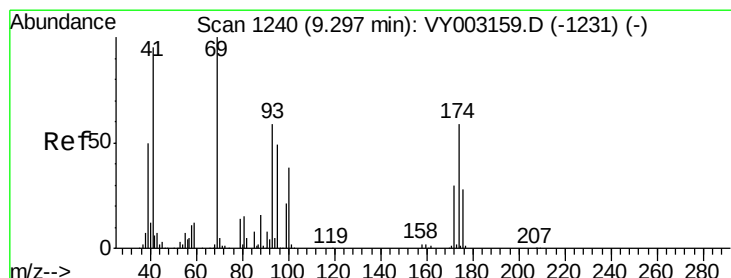
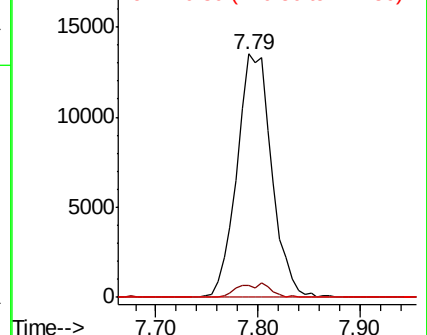
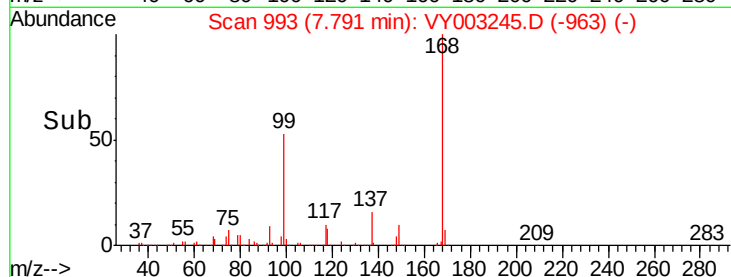
121 0.0 24.2 36.2#



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



#49

1,4-Dioxane

Concen: 1.555 ug/l

RT: 9.23 min Scan# 1229

Delta R.T. -0.07 min

Lab File: VY003245.D

Acq: 20 Jul 2020 20:25

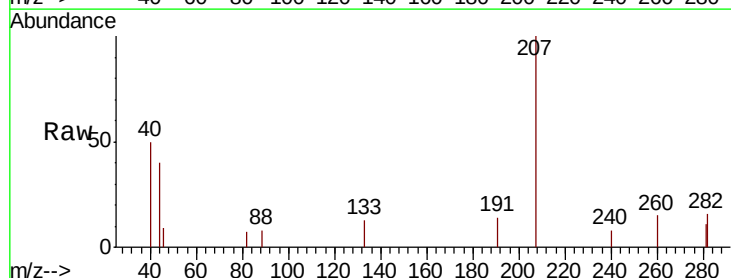
Tgt Ion: 88 Resp: 39

Ion Ratio Lower Upper

88 100

43 0.0 25.6 38.4#

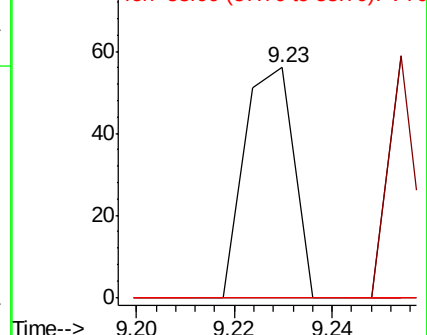
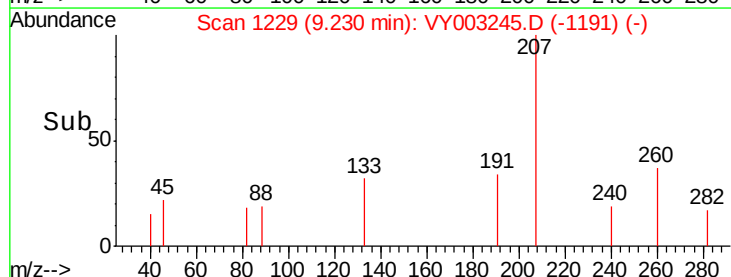
58 0.0 47.8 71.6#

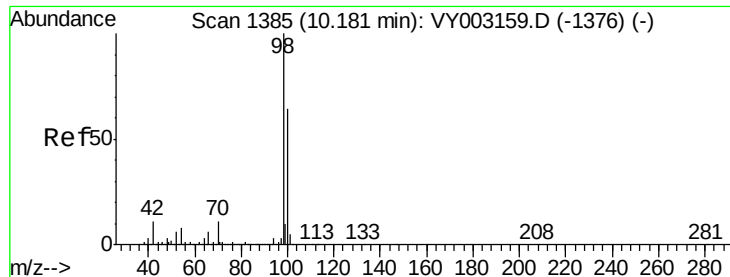


Abundance Ion 88.00 (87.70 to 88.70): VY0

Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0





#50

Toluene-d8

Concen: 54.538 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VY003245.D

Acq: 20 Jul 2020 20:25

Instrument :

MSVOA_Y

ClientSampled :

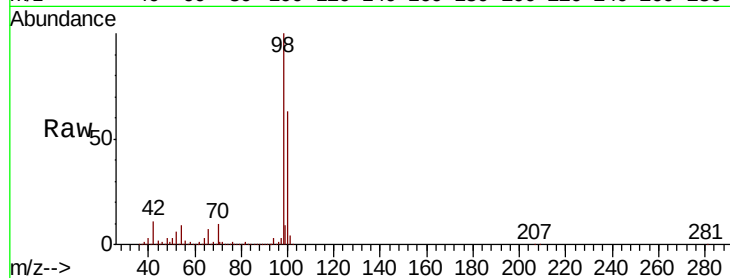
19

Tot Ion: 98 Resp: 611521

Ion Ratio Lower Upper

98 100

100 63.2 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY

10.18

400000

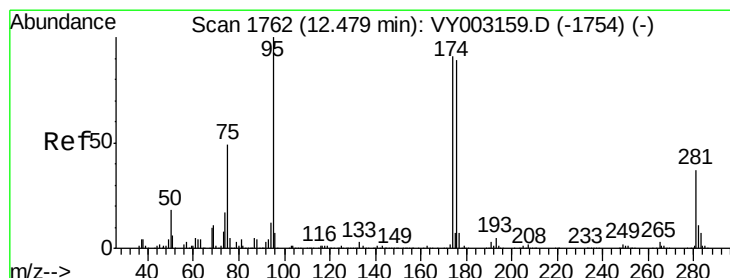
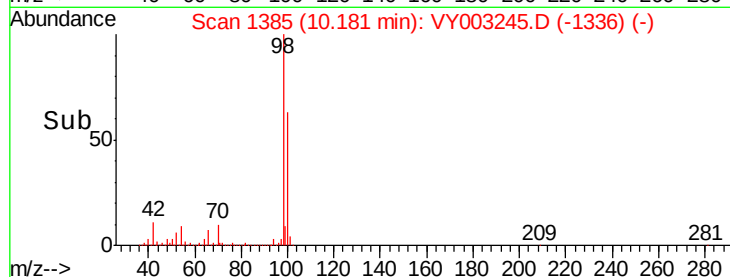
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 43.300 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY003245.D

Acq: 20 Jul 2020 20:25

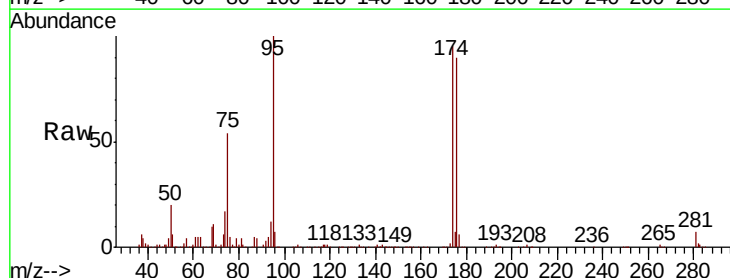
Tgt Ion: 95 Resp: 175398

Ion Ratio Lower Upper

95 100

174 95.1 0.0 190.6

176 91.6 0.0 186.4



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

12.48

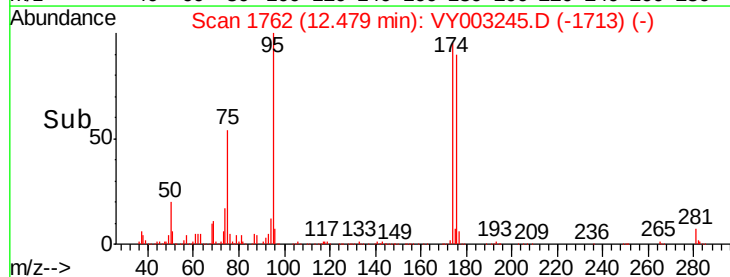
150000

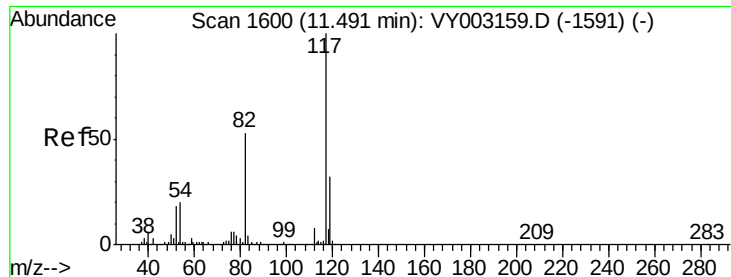
100000

50000

0

Time-->

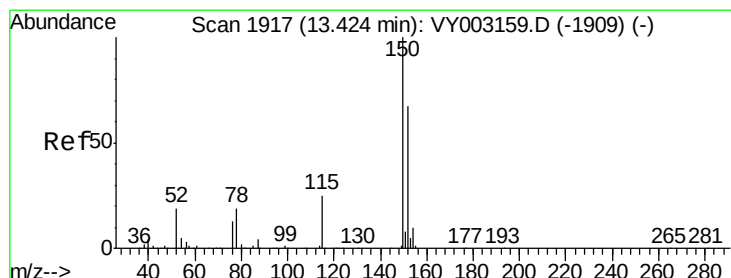
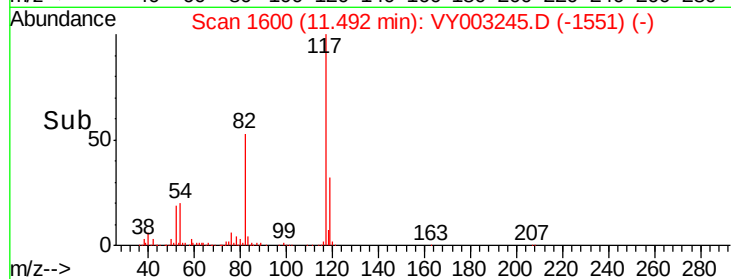
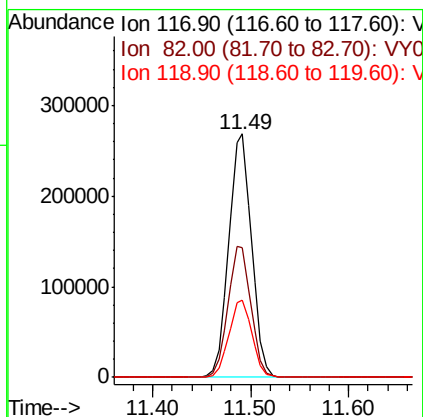
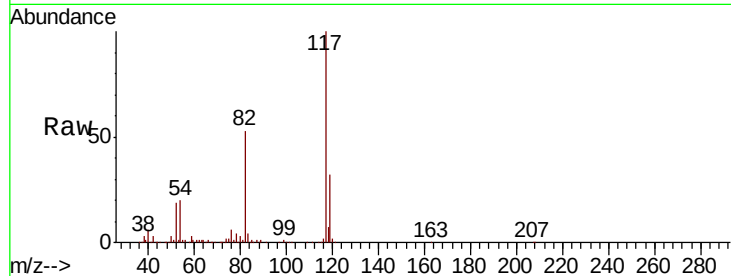




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VY003245.D
Acq: 20 Jul 2020 20:25

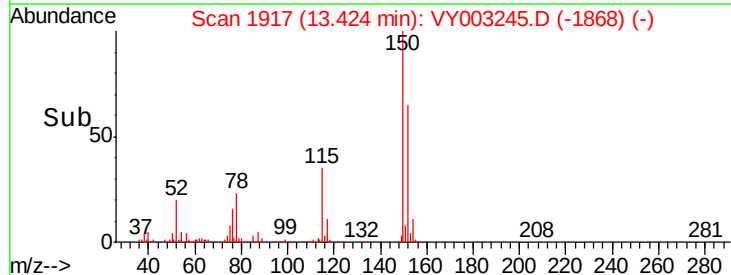
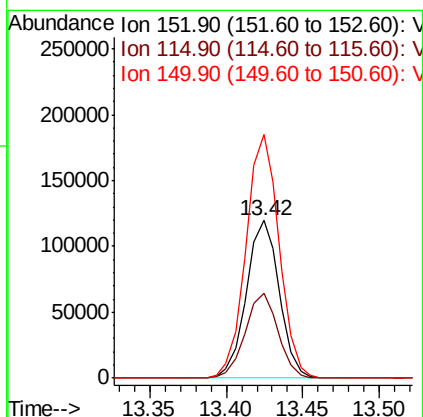
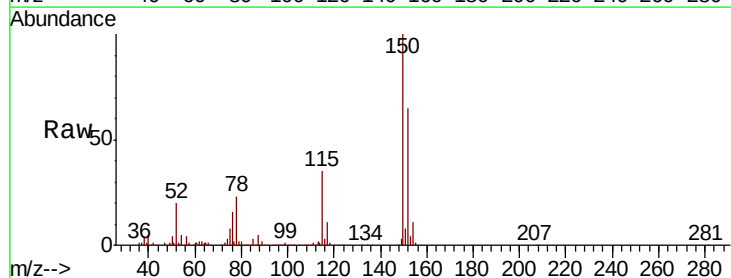
Instrument :
MSVOA_Y
ClientSampleId :
19

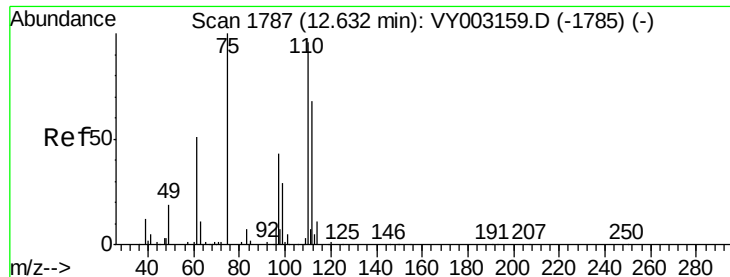
Tot Ion:117 Resp: 433073
Ion Ratio Lower Upper
117 100
82 53.2 42.0 63.0
119 31.6 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. 0.00 min
Lab File: VY003245.D
Acq: 20 Jul 2020 20:25

Tgt Ion:152 Resp: 178786
Ion Ratio Lower Upper
152 100
115 53.7 26.9 80.7
150 155.5 0.0 338.0





#76

1,2,3-Trichloropropane

Concen: 58.360 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY003245.D

Acq: 20 Jul 2020 20:25

Instrument :

MSVOA_Y

ClientSampleId :

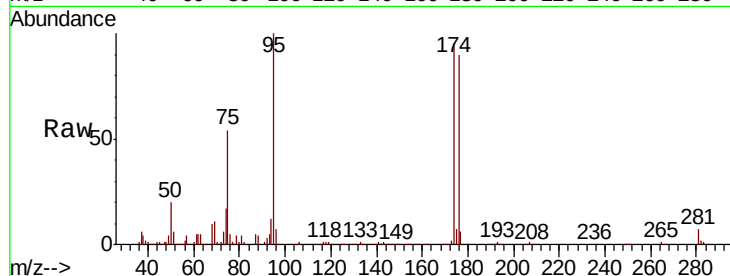
19

Tot Ion: 75 Resp: 92358

Ion Ratio Lower Upper

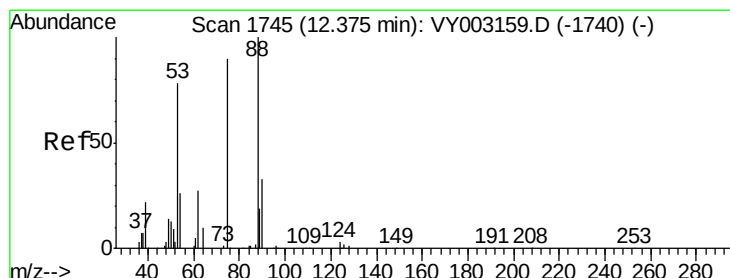
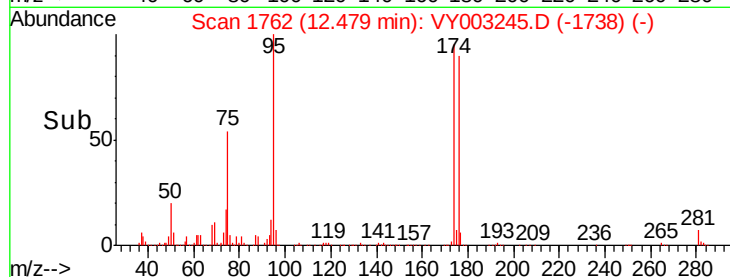
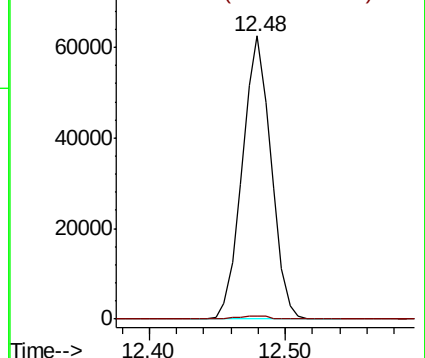
75 100

77 1.4 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: 113.579 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY003245.D

Acq: 20 Jul 2020 20:25

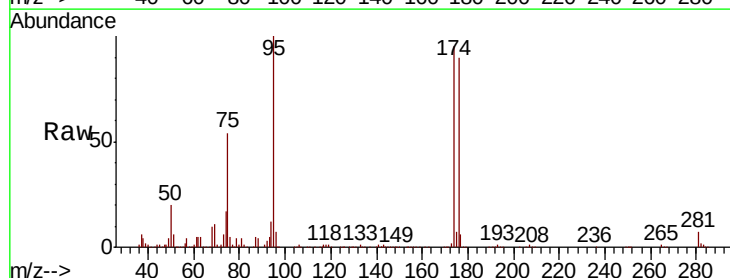
Tgt Ion: 75 Resp: 92358

Ion Ratio Lower Upper

75 100

53 0.0 72.0 108.0#

89 0.1 37.3 55.9#



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

