

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY032520\
 Data File : VY002065.D
 Acq On : 25 Mar 2020 14:38
 Operator : SY/MD
 Sample : L2029-01
 Misc : 8.07G/5ML/MSVOA Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Mar 26 06:35:09 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	136899	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	265380	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	247273	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	110847	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	86589	59.25	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	118.50%	
35) Dibromofluoromethane	7.74	113	79029	54.54	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	109.08%	
50) Toluene-d8	10.19	98	325685	53.30	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	106.60%	
62) 4-Bromofluorobenzene	12.49	95	114196	53.75	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	107.50%	

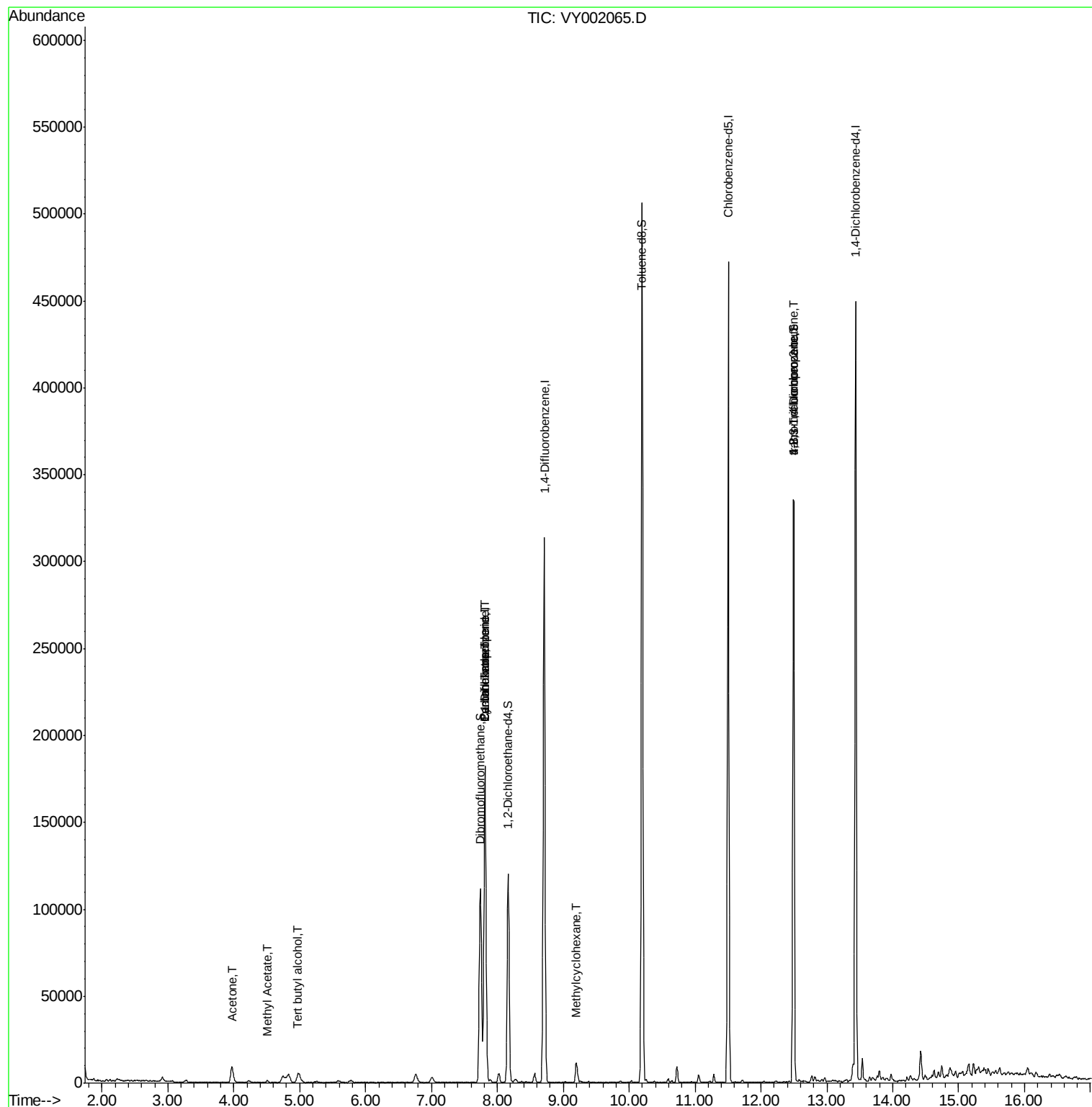
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.68	94	40	Below Cal	#	37
11) Tert butyl alcohol	4.97	59	11820	60.612	ug/l	98
16) Acetone	3.97	43	17075	40.113	ug/l	96
18) Methyl Acetate	4.51	43	2042	1.867	ug/l	96
31) Cyclohexane	7.81	56	3905	1.216	ug/l #	1
36) 1,1-Dichloropropene	7.81	75	12342	4.833	ug/l #	49
38) Carbon Tetrachloride	7.82	117	14105	6.466	ug/l #	18
39) Methylcyclohexane	9.21	83	4655	1.374	ug/l	99
76) 1,2,3-Trichloropropane	12.49	75	58215	44.261	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	58215	89.405	ug/l #	17

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

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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: VY002065.D

Acq: 25 Mar 2020 14:38

Instrument :

MSVOA_Y

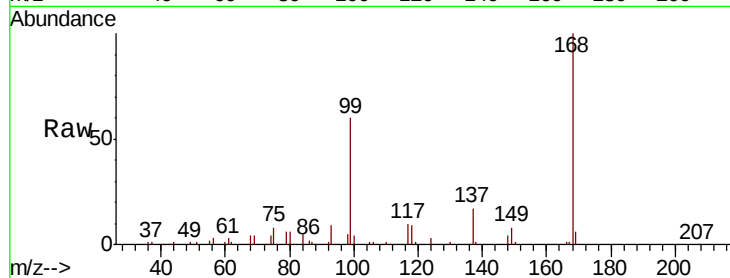
ClientSampleId :

Tot Ion:168 Resp: 136899

Ion Ratio Lower Upper

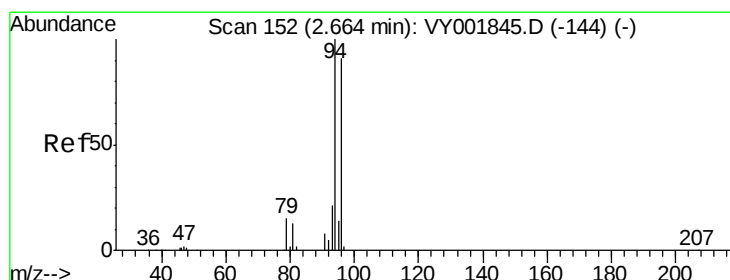
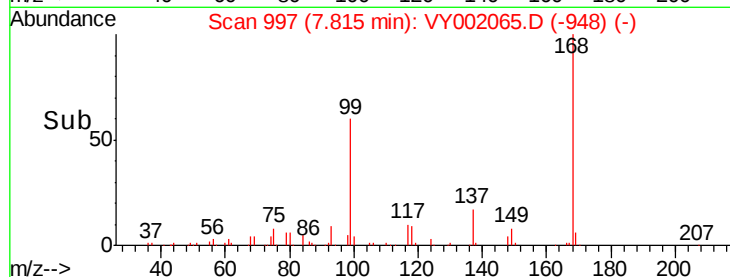
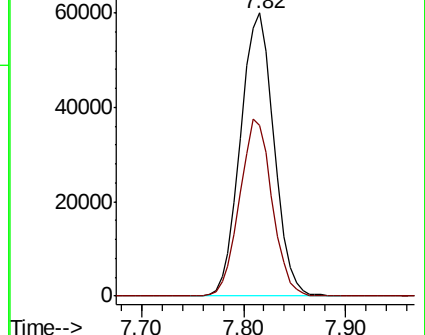
168 100

99 60.3 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: VY002065.D

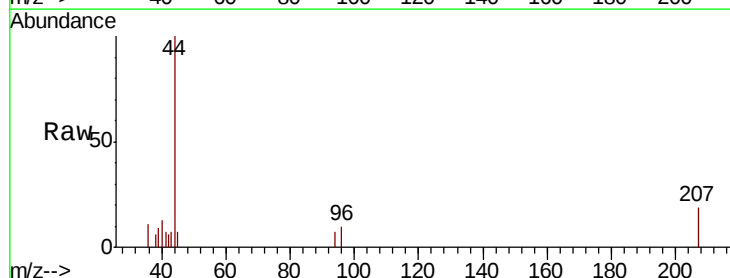
Acq: 25 Mar 2020 14:38

Tgt Ion: 94 Resp: 40

Ion Ratio Lower Upper

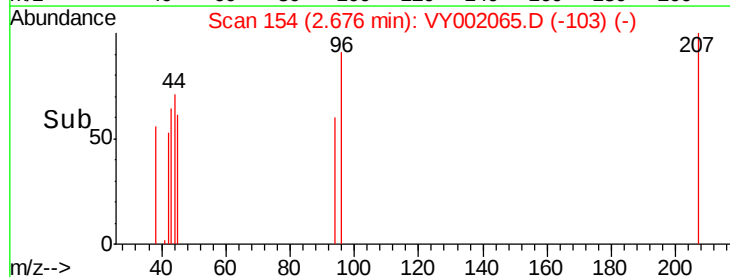
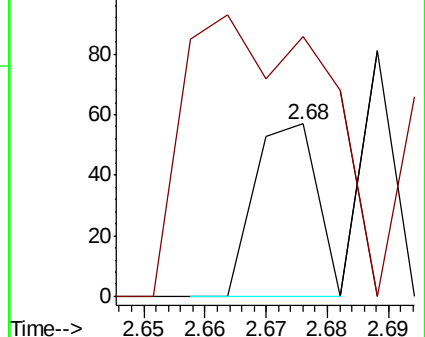
94 100

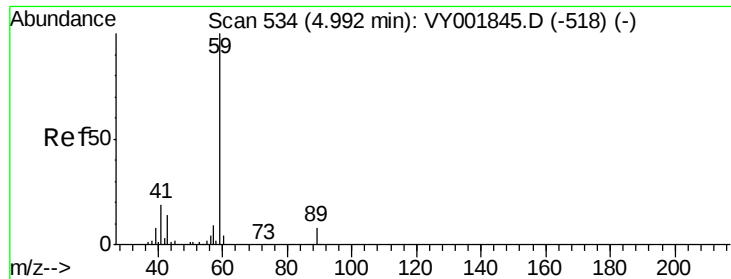
96 31.6 73.2 109.8#



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

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

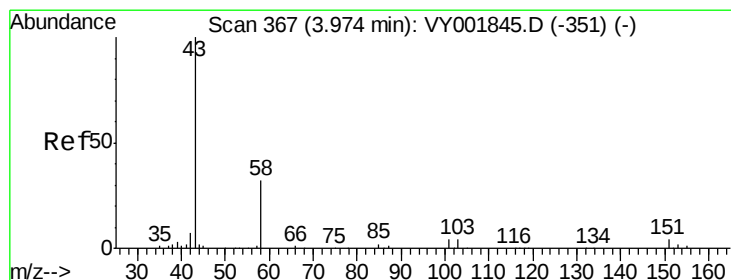
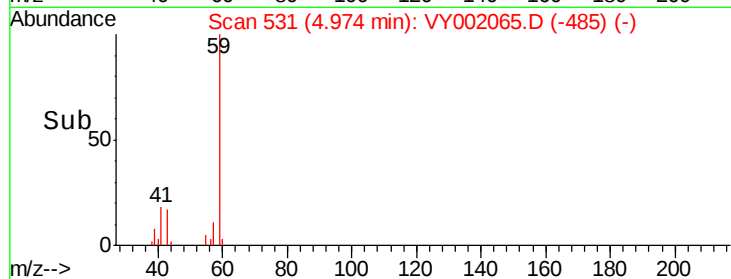
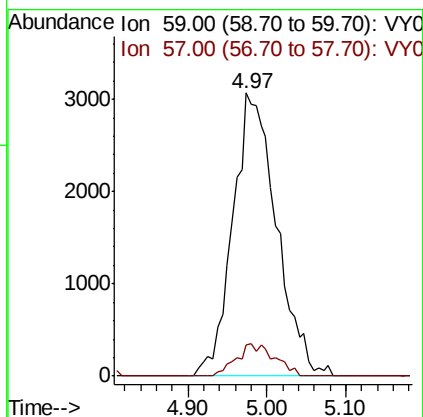
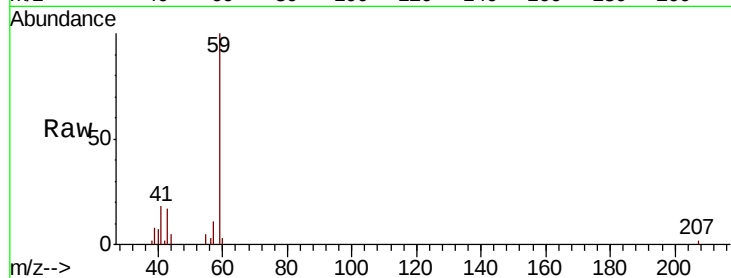




#11
Tert butyl alcohol
Concen: 60.612 ug/l
RT: 4.97 min Scan# 531
Delta R.T. -0.02 min
Lab File: VY002065.D
Acq: 25 Mar 2020 14:38

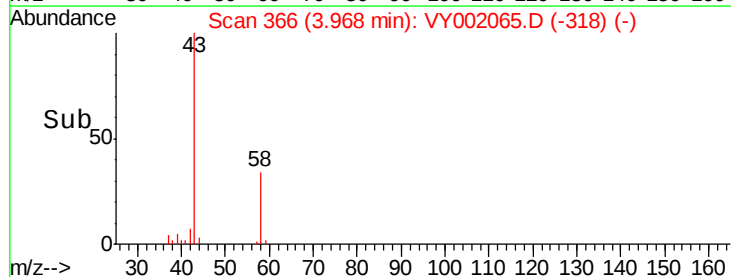
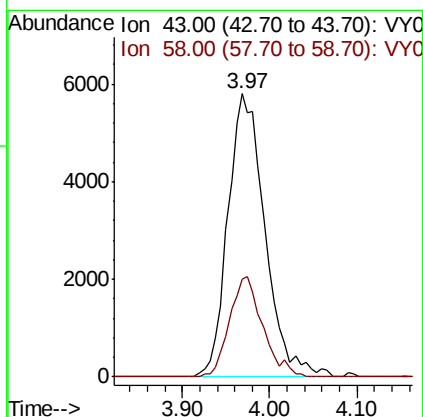
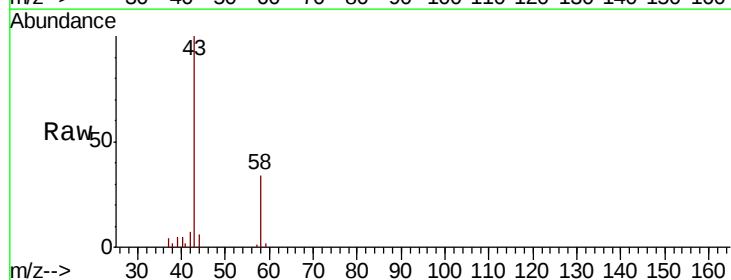
Instrument :
MSVOA_Y
ClientSampleId :

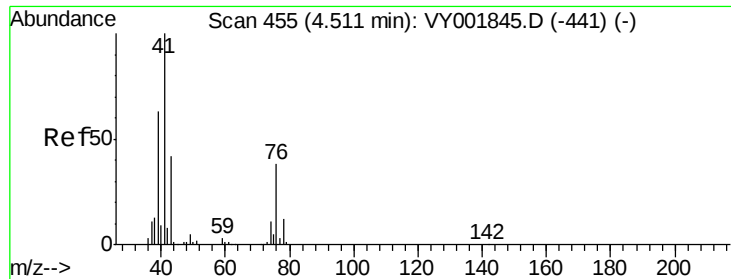
Tot Ion: 59 Resp: 11820
Ion Ratio Lower Upper
59 100
57 10.0 7.4 11.2



#16
Acetone
Concen: 40.113 ug/l
RT: 3.97 min Scan# 366
Delta R.T. -0.01 min
Lab File: VY002065.D
Acq: 25 Mar 2020 14:38

Tgt Ion: 43 Resp: 17075
Ion Ratio Lower Upper
43 100
58 34.5 25.9 38.9

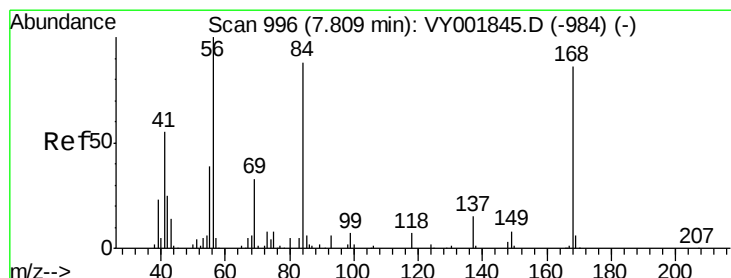
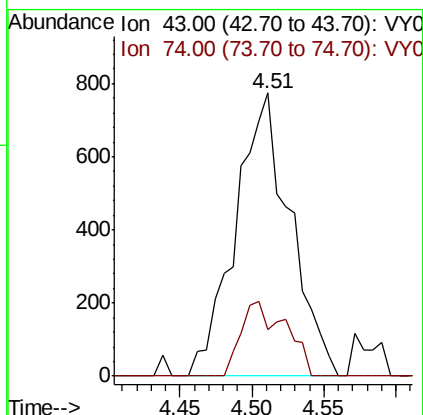
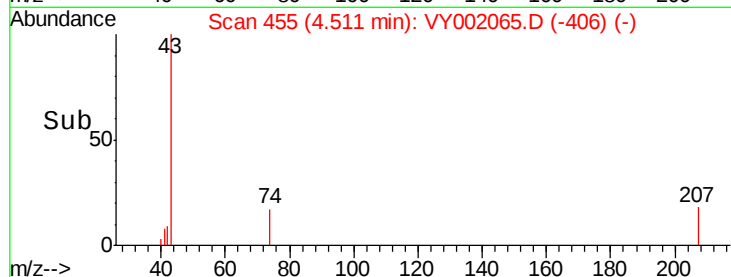
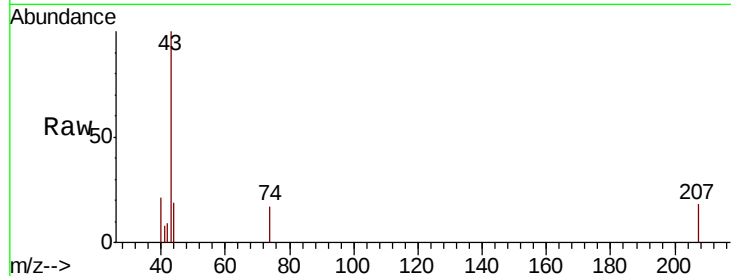




#18
Methvl Acetate
Concen: 1.867 ug/l
RT: 4.51 min Scan# 455
Delta R.T. 0.00 min
Lab File: VY002065.D
Acq: 25 Mar 2020 14:38

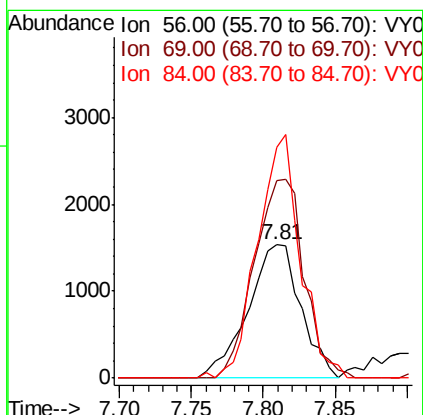
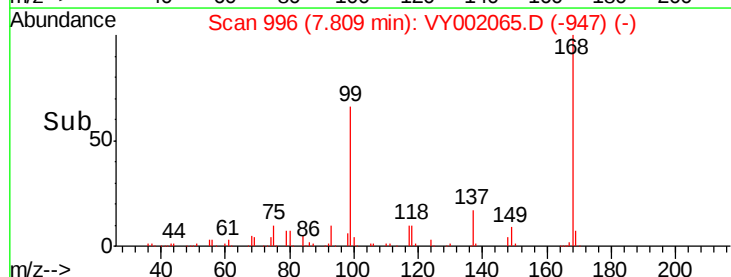
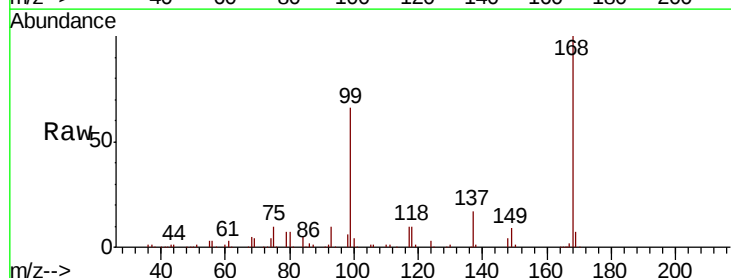
Instrument :
MSVOA_Y
ClientSampleId :

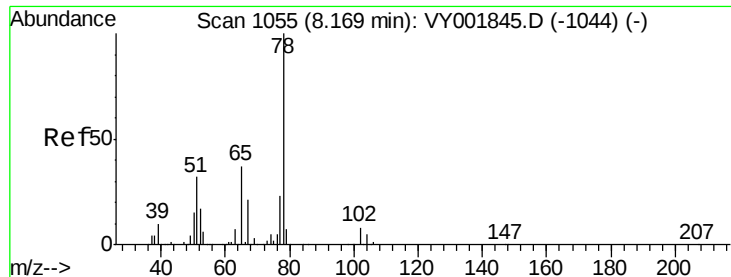
Tot Ion: 43 Resp: 2042
Ion Ratio Lower Upper
43 100
74 21.6 19.0 28.6



#31
Cyclohexane
Concen: 1.216 ug/l
RT: 7.81 min Scan# 996
Delta R.T. 0.00 min
Lab File: VY002065.D
Acq: 25 Mar 2020 14:38

Tgt Ion: 56 Resp: 3905
Ion Ratio Lower Upper
56 100
69 148.1 26.7 40.1#
84 172.9 70.4 105.6#





#33

1,2-Dichloroethane-d4

Concen: 59.247 ug/l

RT: 8.16 min Scan# 1054

Delta R.T. -0.01 min

Lab File: VY002065.D

Acq: 25 Mar 2020 14:38

Instrument :

MSVOA_Y

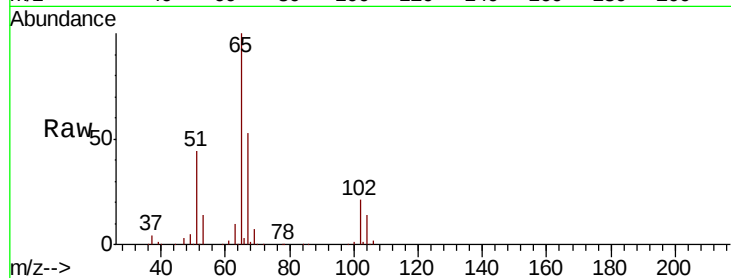
ClientSampleId :

Tot Ion: 65 Resp: 86589

Ion Ratio Lower Upper

65 100

67 54.7 0.0 110.8

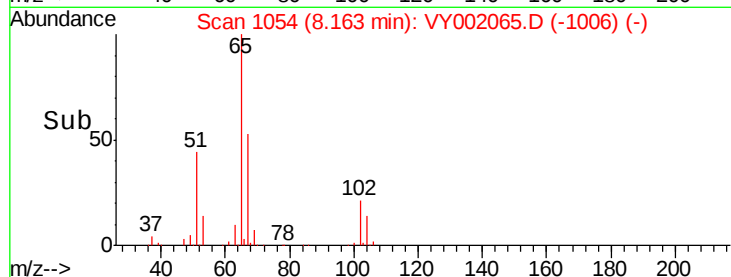


Abundance Ion 64.90 (64.60 to 65.60): VY001845.D (-1044) (-)

Ion 66.90 (66.60 to 67.60): VY001845.D (-1044) (-)

8.16

Time-->

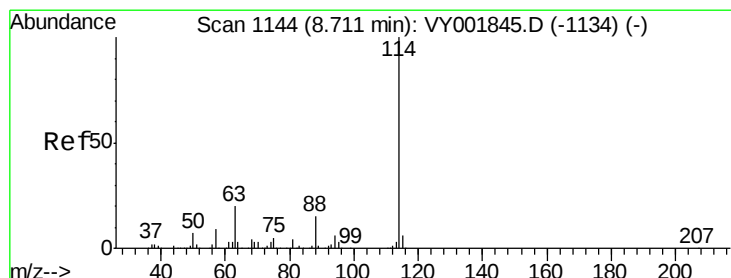


Abundance Ion 64.90 (64.60 to 65.60): VY002065.D (-1006) (-)

Ion 66.90 (66.60 to 67.60): VY002065.D (-1006) (-)

8.16

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.71 min Scan# 1144

Delta R.T. 0.00 min

Lab File: VY002065.D

Acq: 25 Mar 2020 14:38

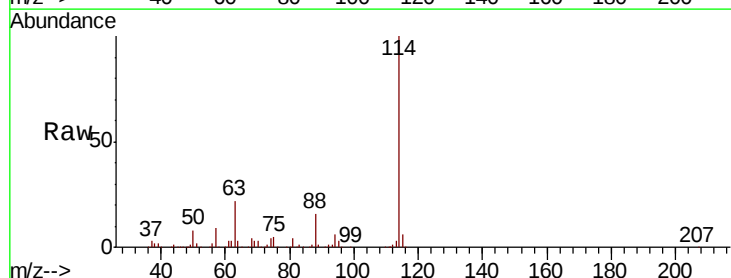
Tgt Ion: 114 Resp: 265380

Ion Ratio Lower Upper

114 100

63 21.6 0.0 39.4

88 15.9 0.0 30.4



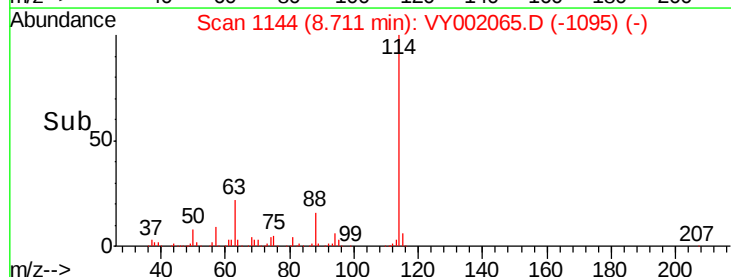
Abundance Ion 113.90 (113.60 to 114.60): VY001845.D (-1134) (-)

Ion 63.00 (62.70 to 63.70): VY001845.D (-1134) (-)

Ion 87.90 (87.60 to 88.60): VY001845.D (-1134) (-)

8.71

Time-->



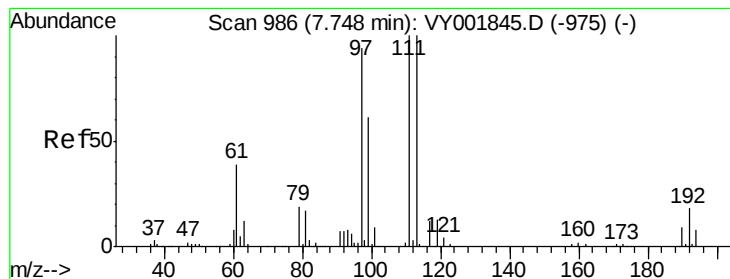
Abundance Ion 113.90 (113.60 to 114.60): VY002065.D (-1095) (-)

Ion 63.00 (62.70 to 63.70): VY002065.D (-1095) (-)

Ion 87.90 (87.60 to 88.60): VY002065.D (-1095) (-)

8.71

Time-->



#35

Dibromofluoromethane

Concen: 54.537 ug/l

RT: 7.74 min Scan# 985

Delta R.T. -0.01 min

Lab File: VY002065.D

Acq: 25 Mar 2020 14:38

Instrument :

MSVOA_Y

ClientSampleId :

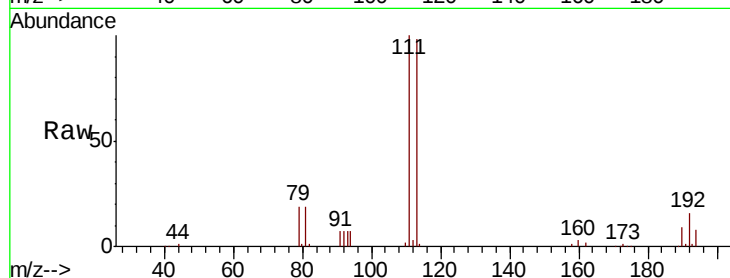
Tot Ion:113 Resp: 79029

Ion Ratio Lower Upper

113 100

111 104.1 81.8 122.8

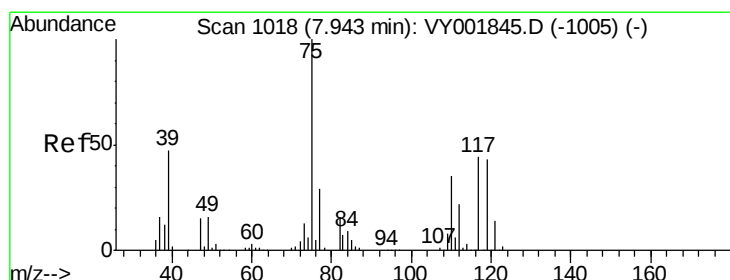
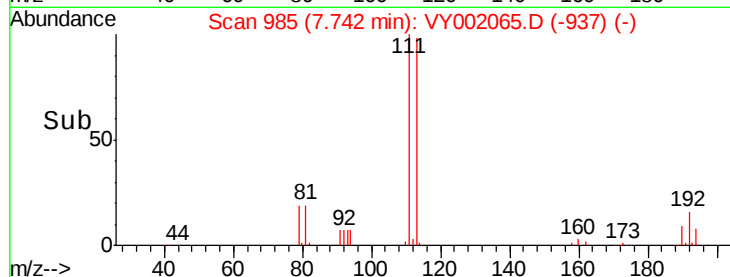
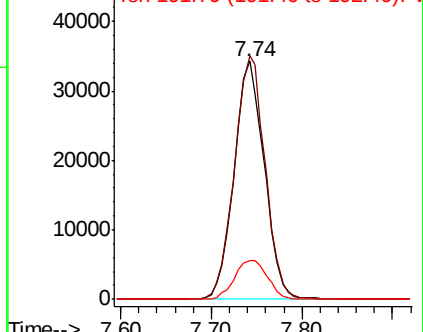
192 18.1 14.2 21.2



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: 4.833 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.13 min

Lab File: VY002065.D

Acq: 25 Mar 2020 14:38

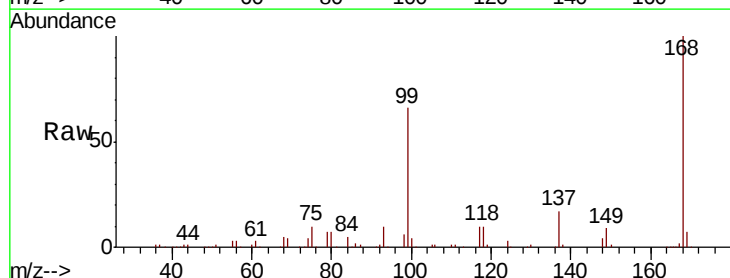
Tgt Ion: 75 Resp: 12342

Ion Ratio Lower Upper

75 100

110 7.6 17.4 52.2#

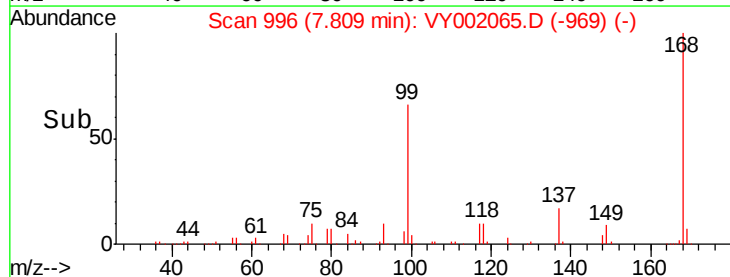
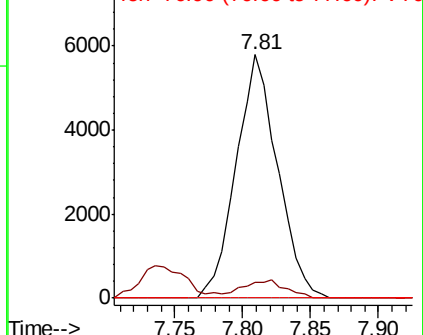
77 0.0 24.2 36.2#

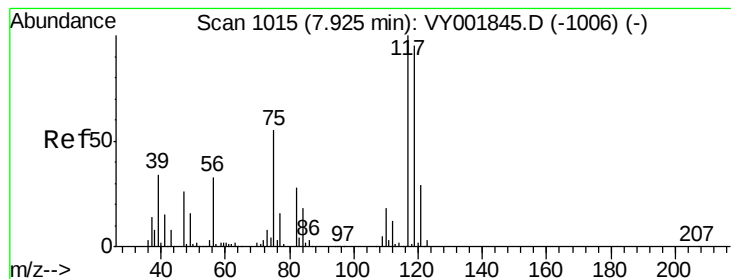


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0





#38

Carbon Tetrachloride

Concen: 6.466 ug/l

RT: 7.82 min Scan# 997

Delta R.T. -0.11 min

Lab File: VY002065.D

Acq: 25 Mar 2020 14:38

Instrument :

MSVOA_Y

ClientSampled :

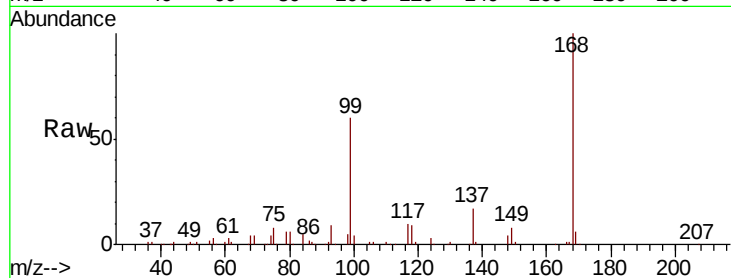
Tot Ion:117 Resp: 14105

Ion Ratio Lower Upper

117 100

119 7.3 76.3 114.5#

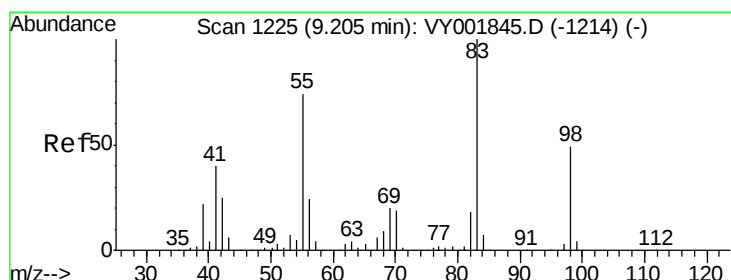
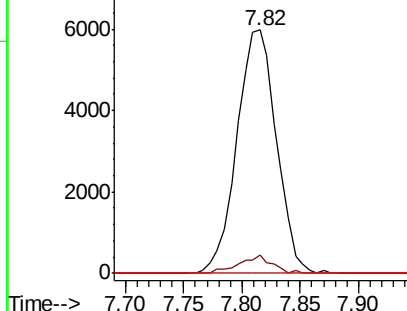
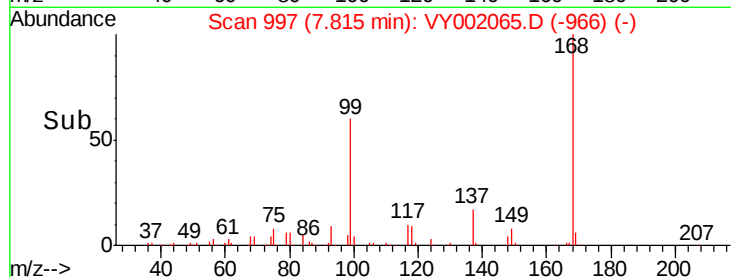
121 0.0 23.5 35.3#



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



#39

Methylcyclohexane

Concen: 1.374 ug/l

RT: 9.21 min Scan# 1225

Delta R.T. 0.00 min

Lab File: VY002065.D

Acq: 25 Mar 2020 14:38

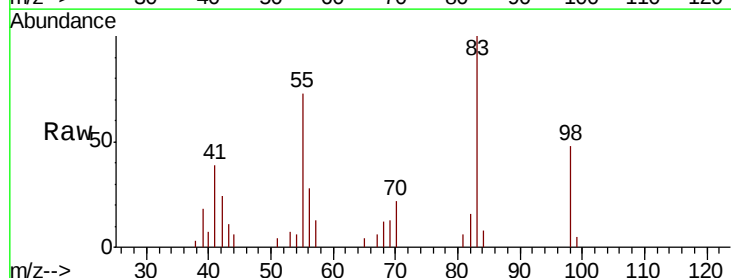
Tgt Ion: 83 Resp: 4655

Ion Ratio Lower Upper

83 100

55 73.0 59.4 89.0

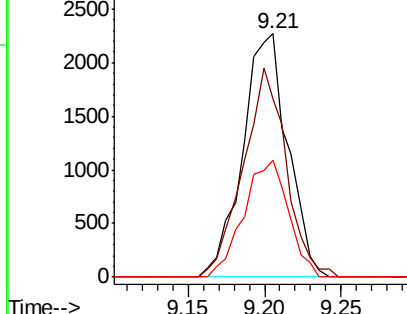
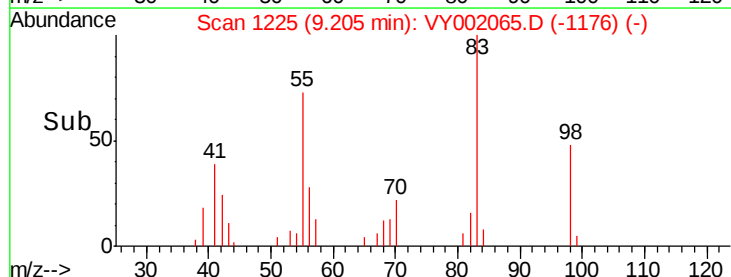
98 48.1 38.9 58.3

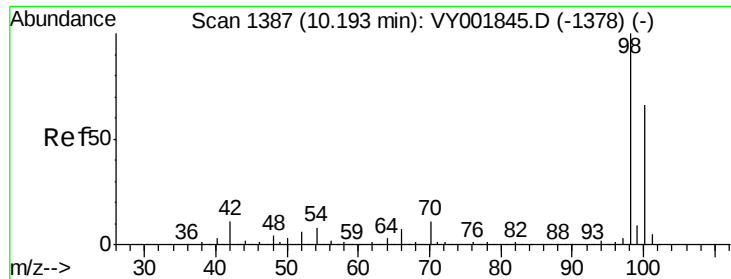


Abundance Ion 83.00 (82.70 to 83.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 98.00 (97.70 to 98.70): VY0





#50

Toluene-d8

Concen: 53.298 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. 0.00 min

Lab File: VY002065.D

Acq: 25 Mar 2020 14:38

Instrument :

MSVOA_Y

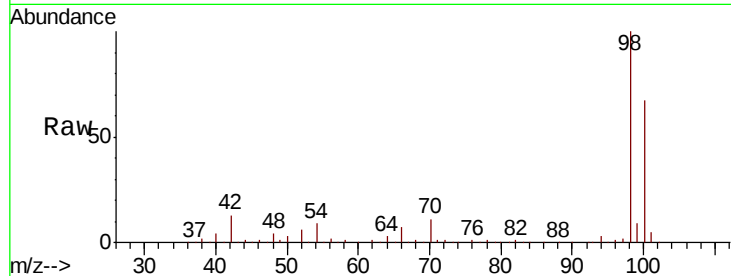
ClientSampleId :

Tot Ion: 98 Resp: 325685

Ion Ratio Lower Upper

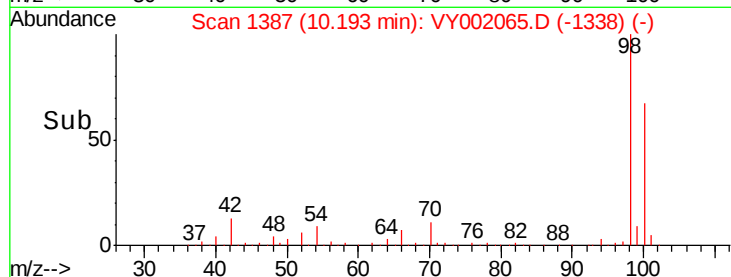
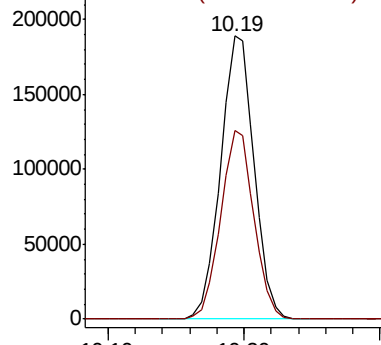
98 100

100 66.3 53.0 79.4

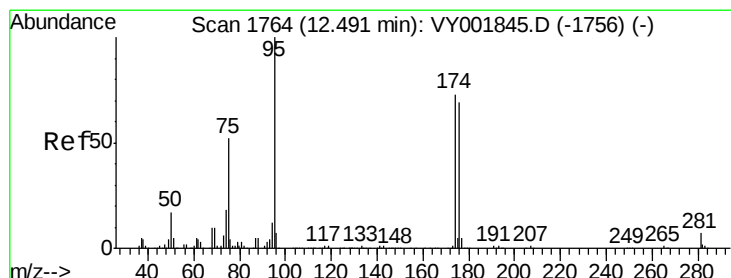


Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY



Time-->



#62

4-Bromofluorobenzene

Concen: 53.746 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VY002065.D

Acq: 25 Mar 2020 14:38

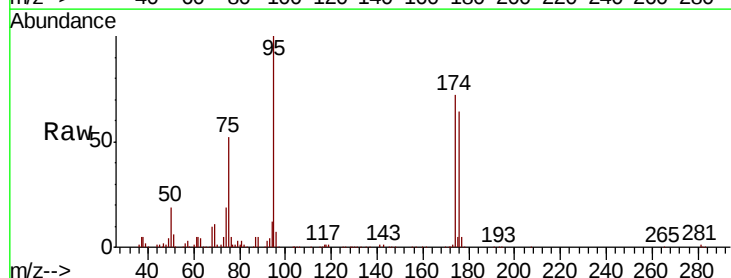
Tgt Ion: 95 Resp: 114196

Ion Ratio Lower Upper

95 100

174 71.5 0.0 145.0

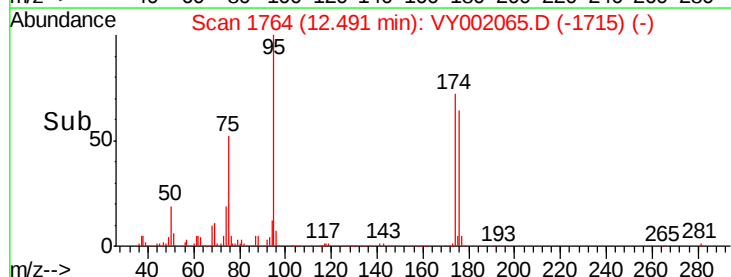
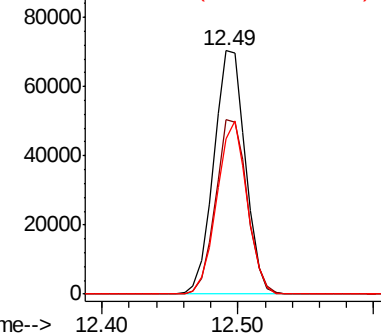
176 68.1 0.0 137.4



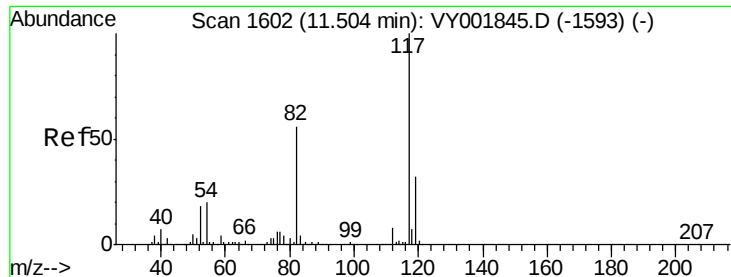
Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



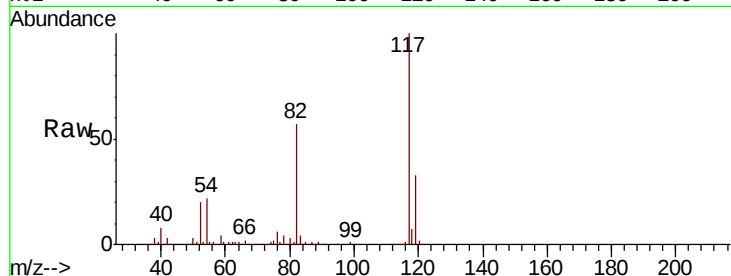
Time-->



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.00 min
Lab File: VY002065.D
Acq: 25 Mar 2020 14:38

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.9	44.5	66.7
119	32.9	25.7	38.5

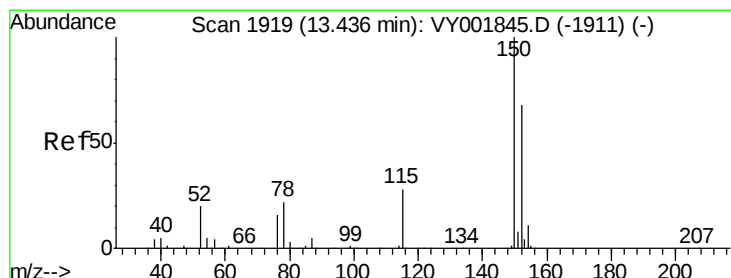
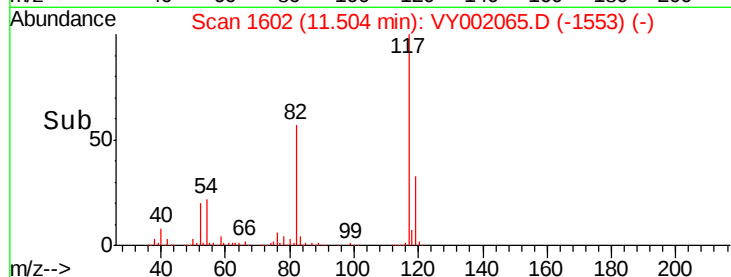
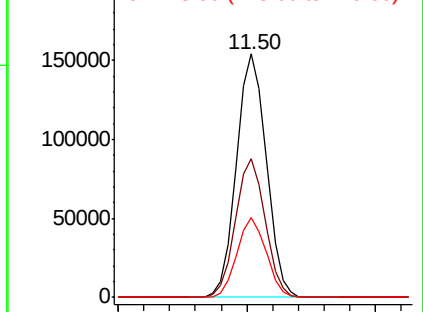


Abundance

Ion 116.90 (116.60 to 117.60): V

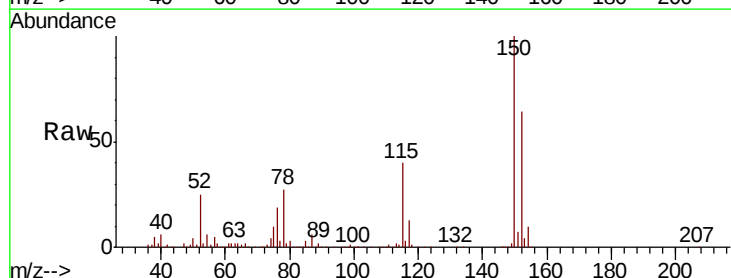
Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.44 min Scan# 1919
Delta R.T. 0.00 min
Lab File: VY002065.D
Acq: 25 Mar 2020 14:38

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.7	29.9	89.7
150	155.5	0.0	340.6

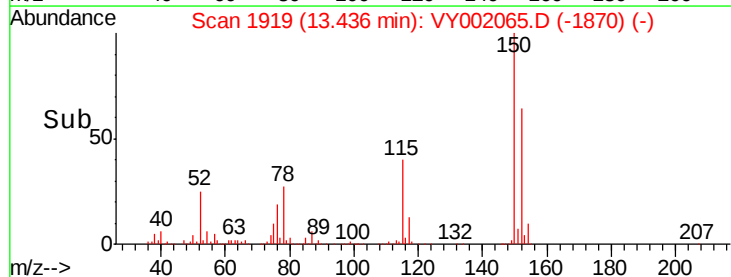
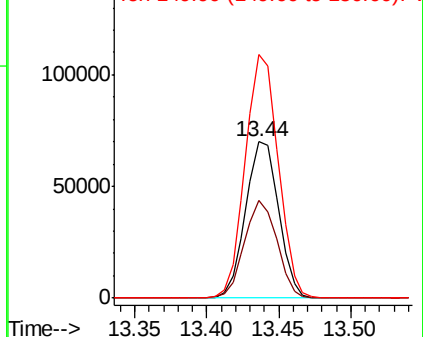


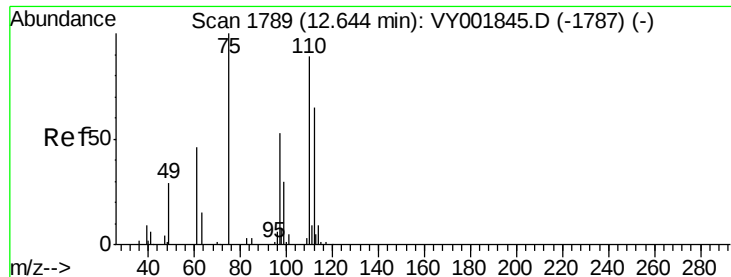
Abundance

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: 44.261 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.15 min

Lab File: VY002065.D

Acq: 25 Mar 2020 14:38

Instrument :

MSVOA_Y

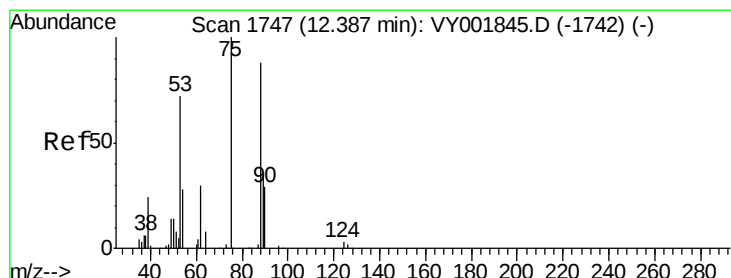
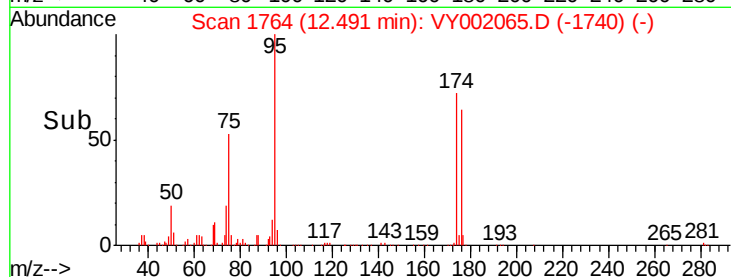
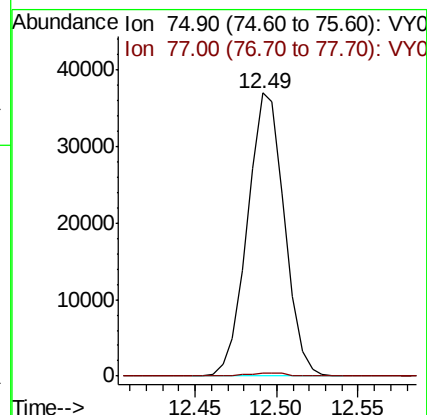
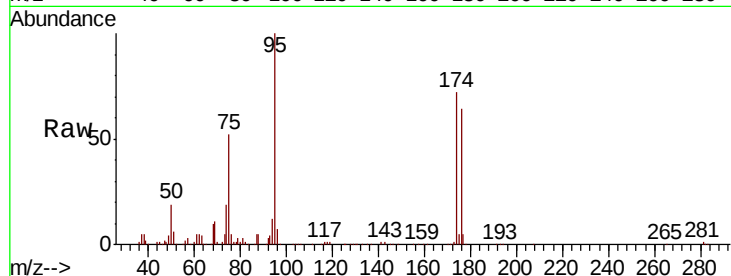
ClientSampleId :

Tot Ion: 75 Resp: 58215

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 89.405 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.10 min

Lab File: VY002065.D

Acq: 25 Mar 2020 14:38

Tgt Ion: 75 Resp: 58215

Ion Ratio Lower Upper

75 100

53 0.0 65.4 98.0#

89 0.0 36.0 54.0#

