

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY050620\
 Data File : VY002612.D
 Acq On : 06 May 2020 13:55
 Operator : SY/MD
 Sample : L2491-11
 Misc : 4.80G/5ML/MSVOA Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: May 07 04:14:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y043020S.M
 Quant Title : SW846 8260
 QLast Update : Mon May 04 12:22:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	353869	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	550082	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	492260	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	244686	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	159283	53.53	ug/l	0.00
Spiked Amount			Recovery	=	107.06%	
35) Dibromofluoromethane	7.74	113	165528	52.62	ug/l	0.00
Spiked Amount			Recovery	=	105.24%	
50) Toluene-d8	10.19	98	635936	51.76	ug/l	0.00
Spiked Amount			Recovery	=	103.52%	
62) 4-Bromofluorobenzene	12.49	95	210245	50.43	ug/l	0.00
Spiked Amount			Recovery	=	100.86%	

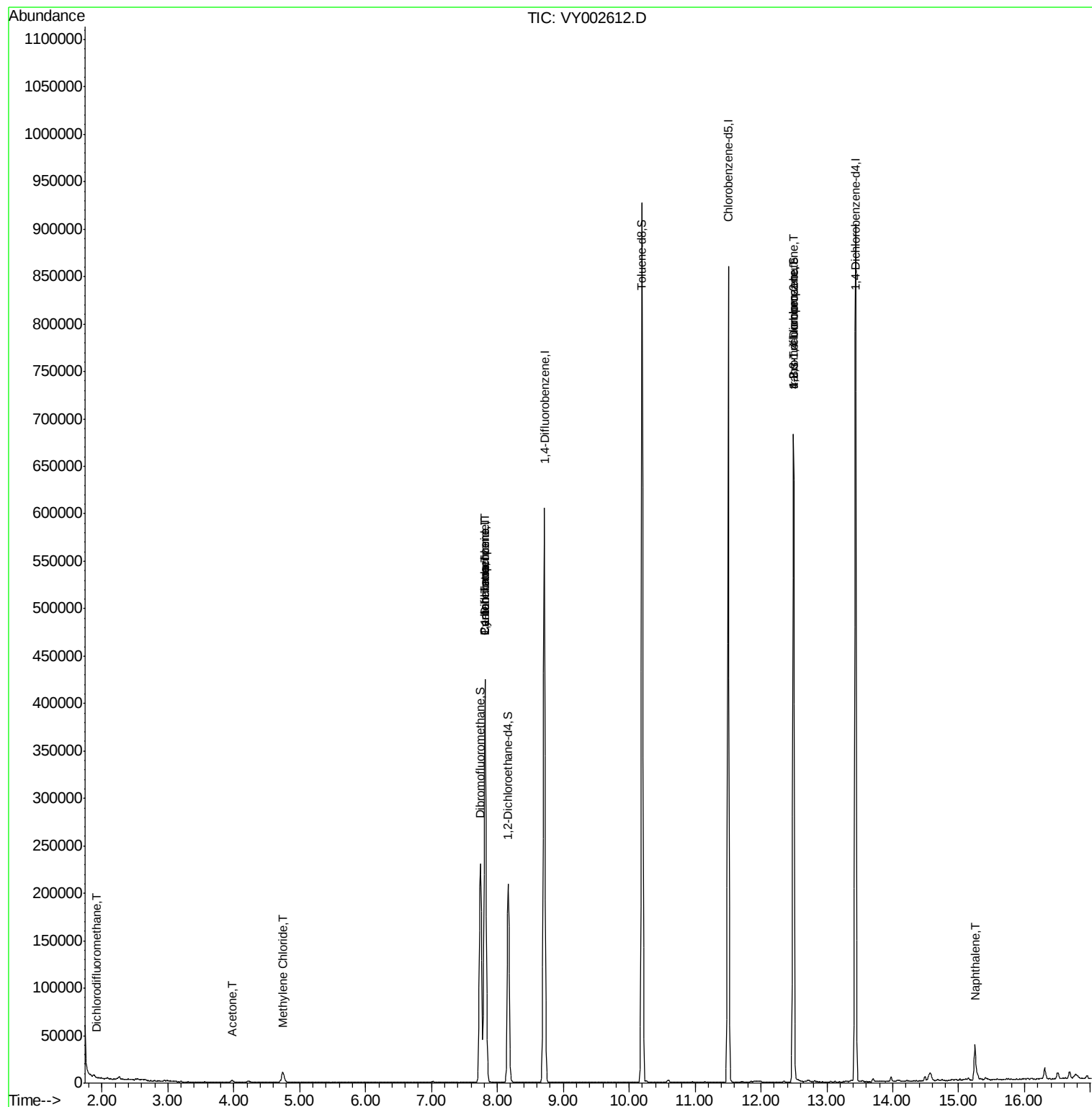
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.92	85	114	1.822	ug/l #	43
16) Acetone	3.97	43	3211	5.229	ug/l	94
20) Methylene Chloride	4.75	84	8345	2.430	ug/l	93
31) Cyclohexane	7.81	56	5426	1.015	ug/l #	1
36) 1,1-Dichloropropene	7.82	75	22357	4.848	ug/l #	49
38) Carbon Tetrachloride	7.81	117	31793	6.315	ug/l #	15
76) 1,2,3-Trichloropropane	12.49	75	100712	46.316	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	100712	92.873	ug/l #	15
95) Naphthalene	15.25	128	27015	3.048	ug/l	99

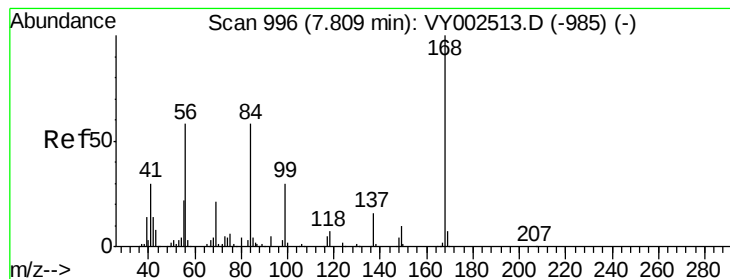
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.01 min

Lab File: VY002612.D

Acq: 06 May 2020 13:55

Instrument :

MSVOA_Y

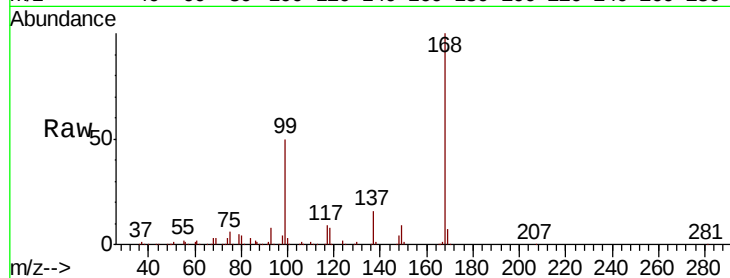
ClientSampleId :

Tot Ion:168 Resp: 353869

Ion Ratio Lower Upper

168 100

99 49.7 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): VY002513.D (-985) (-)

Ion 98.90 (98.60 to 99.60): VY002513.D (-985) (-)

7.82

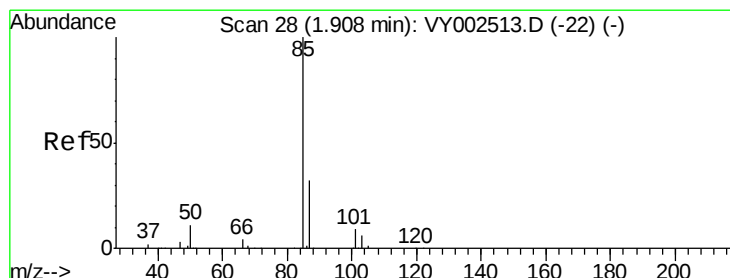
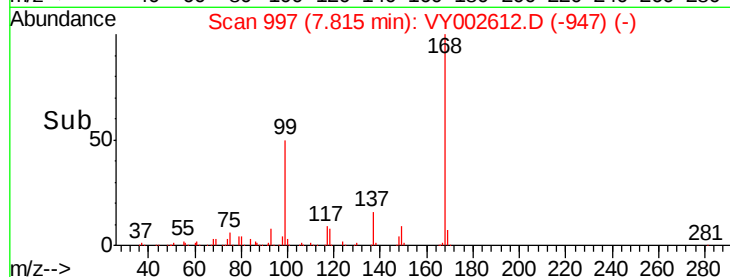
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 1.822 ug/l

RT: 1.92 min Scan# 30

Delta R.T. 0.01 min

Lab File: VY002612.D

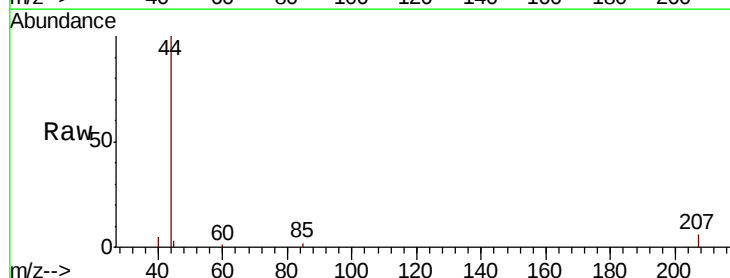
Acq: 06 May 2020 13:55

Tgt Ion: 85 Resp: 114

Ion Ratio Lower Upper

85 100

87 0.0 15.8 47.4#



Abundance Ion 84.90 (84.60 to 85.60): VY002513.D (-22) (-)

Ion 86.90 (86.60 to 87.60): VY002513.D (-22) (-)

1.92

80

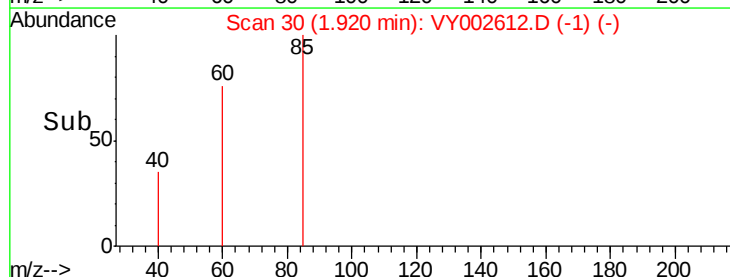
60

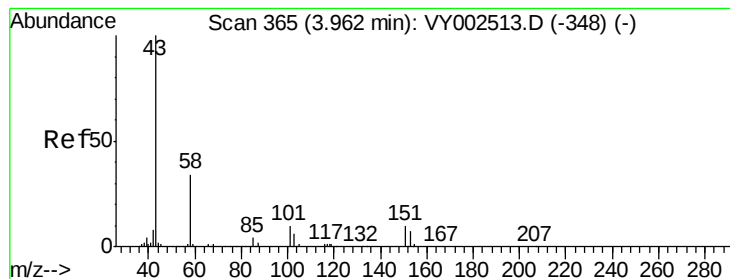
40

20

0

Time-->





#16

Acetone

Concen: 5.229 ug/l

RT: 3.97 min Scan# 367

Delta R.T. 0.01 min

Lab File: VY002612.D

Acq: 06 May 2020 13:55

Instrument :

MSVOA_Y

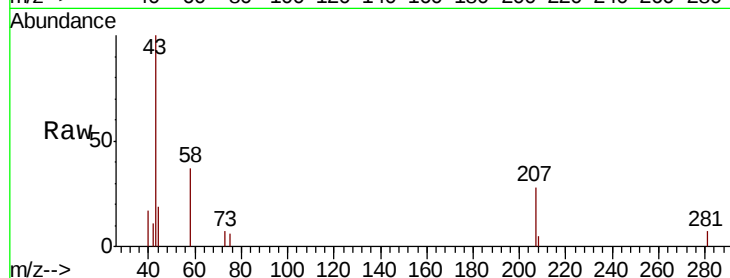
ClientSampled :

Tot Ion: 43 Resp: 3211

Ion Ratio Lower Upper

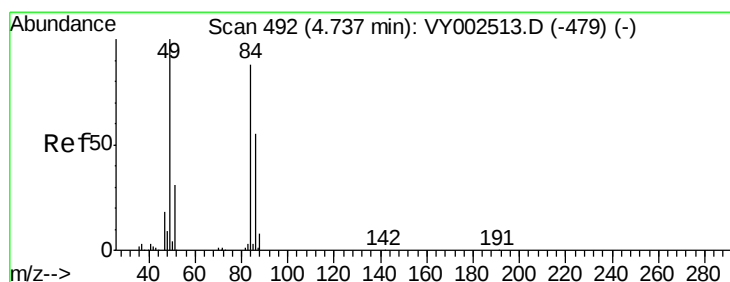
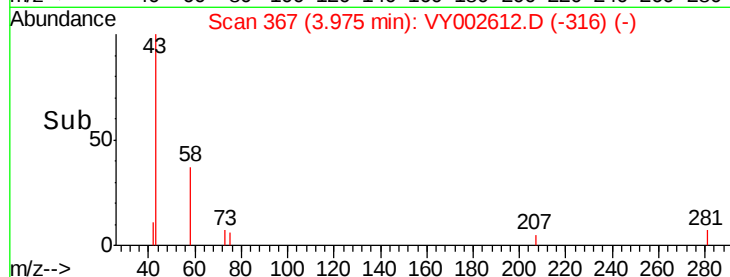
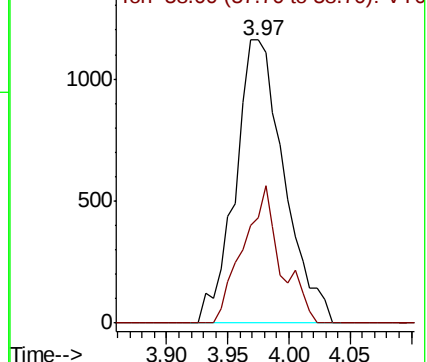
43 100

58 37.2 26.9 40.3



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#20

Methylene Chloride

Concen: 2.430 ug/l

RT: 4.75 min Scan# 494

Delta R.T. 0.01 min

Lab File: VY002612.D

Acq: 06 May 2020 13:55

Tgt Ion: 84 Resp: 8345

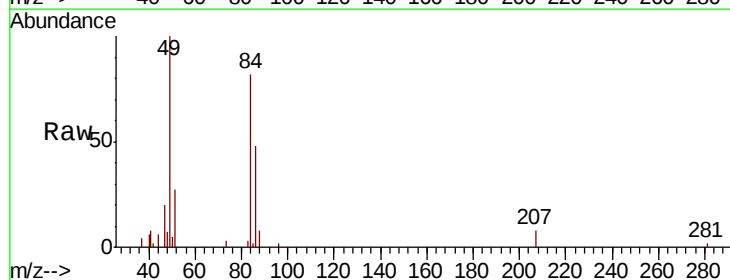
Ion Ratio Lower Upper

84 100

49 121.6 90.5 135.7

51 32.6 28.3 42.5

86 58.5 49.9 74.9

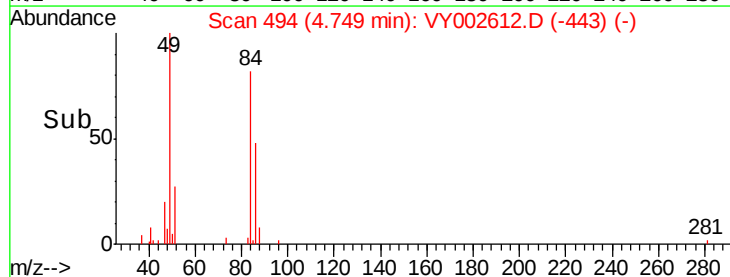
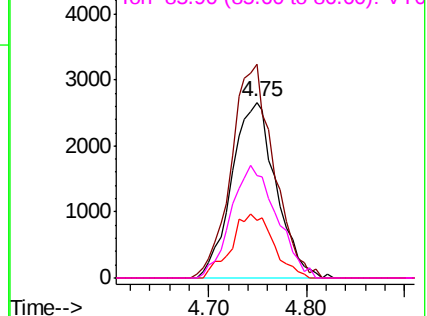


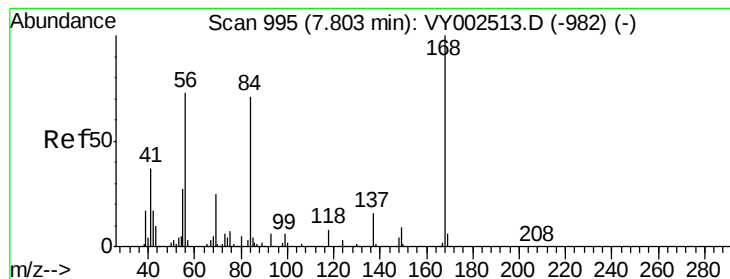
Abundance Ion 83.90 (83.60 to 84.60): VY0

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: 1.015 ug/l

RT: 7.81 min Scan# 996

Delta R.T. 0.01 min

Lab File: VY002612.D

Acq: 06 May 2020 13:55

Instrument :
MSVOA_Y
ClientSampleId :

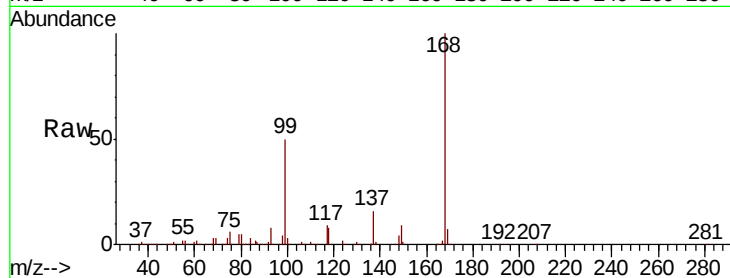
Tot Ion: 56 Resp: 5426

Ion Ratio Lower Upper

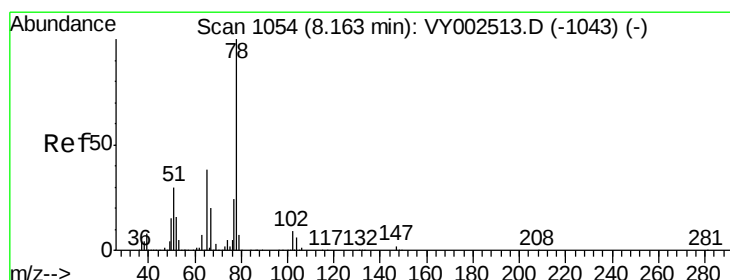
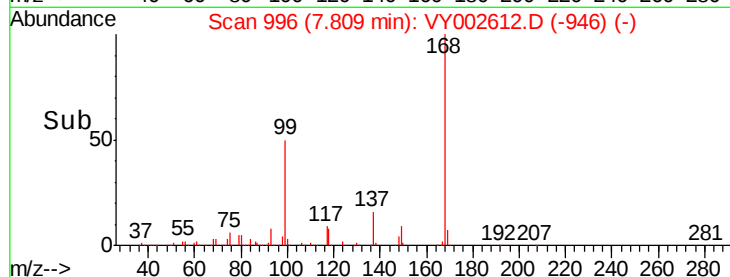
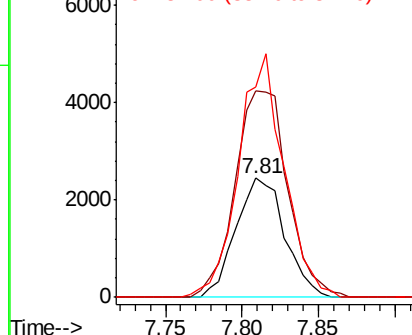
56 100

69 173.8 27.6 41.4#

84 176.7 77.7 116.5#



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: 53.533 ug/l

RT: 8.16 min Scan# 1054

Delta R.T. -0.00 min

Lab File: VY002612.D

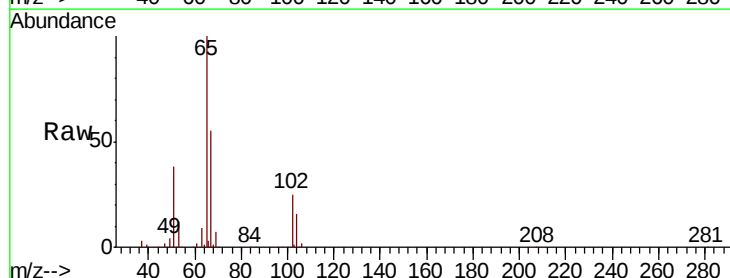
Acq: 06 May 2020 13:55

Tgt Ion: 65 Resp: 159283

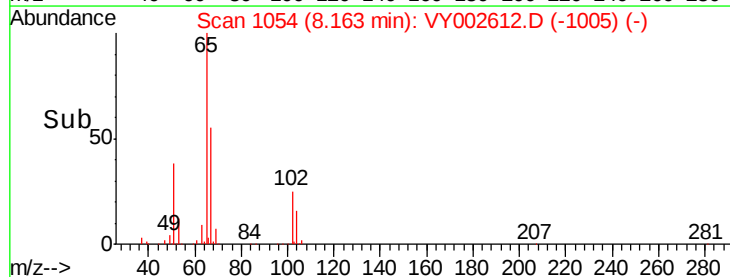
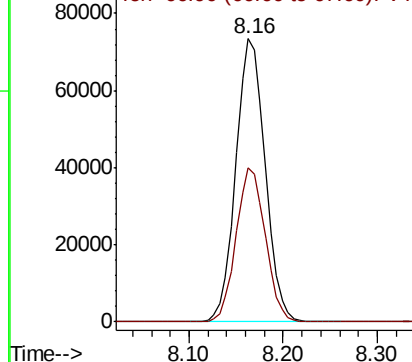
Ion Ratio Lower Upper

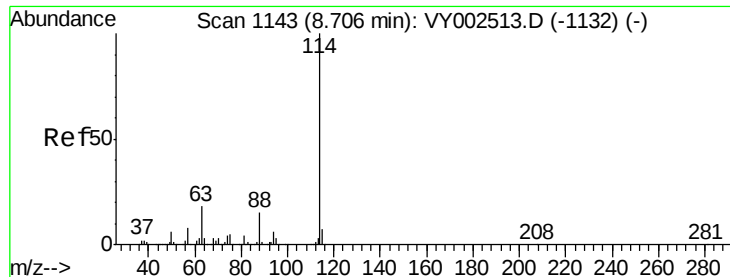
65 100

67 54.2 0.0 107.2



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# 1144

Delta R.T. 0.01 min

Lab File: VY002612.D

Acq: 06 May 2020 13:55

Instrument :

MSVOA_Y

ClientSampleId :

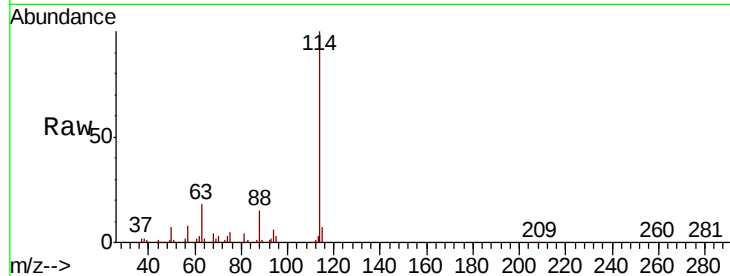
Tot Ion:114 Resp: 550082

Ion Ratio Lower Upper

114 100

63 17.7 0.0 36.4

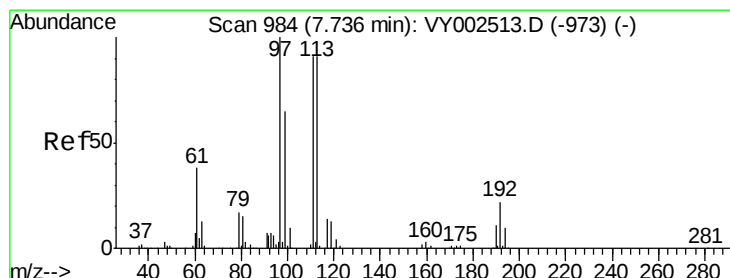
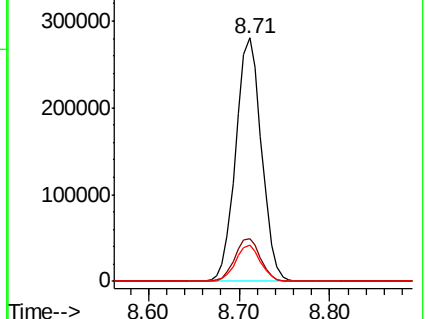
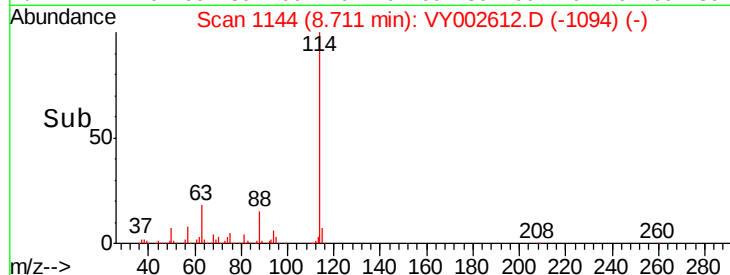
88 14.7 0.0 29.6



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: 52.616 ug/l

RT: 7.74 min Scan# 985

Delta R.T. 0.01 min

Lab File: VY002612.D

Acq: 06 May 2020 13:55

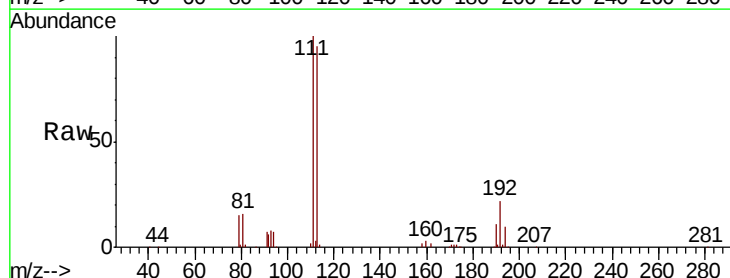
Tgt Ion:113 Resp: 165528

Ion Ratio Lower Upper

113 100

111 103.0 81.8 122.6

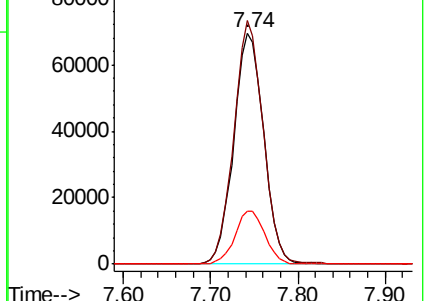
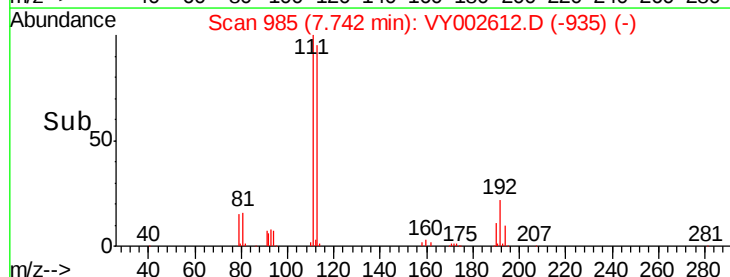
192 22.9 18.2 27.4

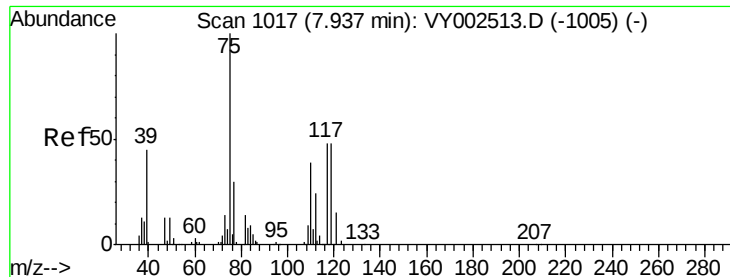


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.848 ug/l

RT: 7.82 min Scan# 997

Delta R.T. -0.12 min

Lab File: VY002612.D

Acq: 06 May 2020 13:55

Instrument :

MSVOA_Y

ClientSampleId :

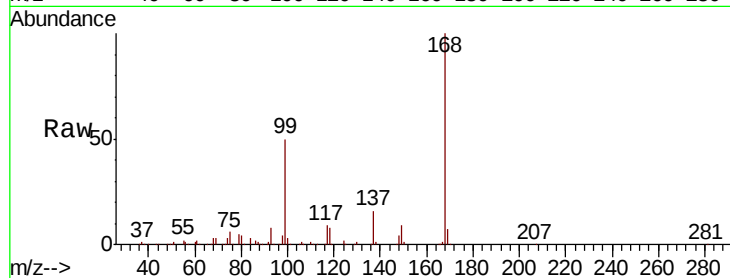
Tot Ion: 75 Resp: 22357

Ion Ratio Lower Upper

75 100

110 9.4 19.1 57.3#

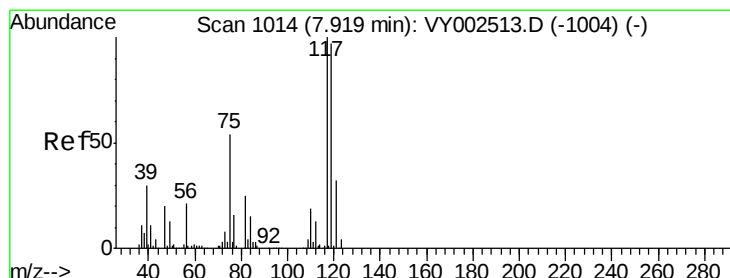
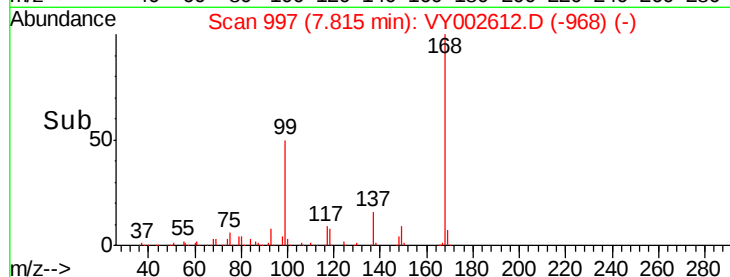
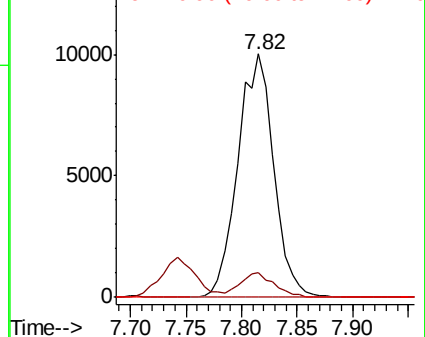
77 0.0 24.6 37.0#



Abundance Ion 74.90 (74.60 to 75.60): VY002513.D (-1005) (-)

Ion 109.90 (109.60 to 110.60): VY002513.D (-1005) (-)

Ion 76.90 (76.60 to 77.60): VY002513.D (-1005) (-)



#38

Carbon Tetrachloride

Concen: 6.315 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.11 min

Lab File: VY002612.D

Acq: 06 May 2020 13:55

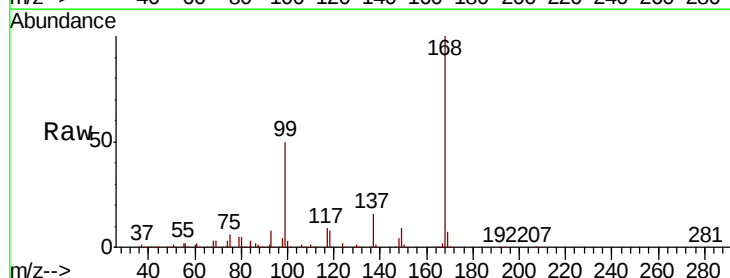
Tgt Ion: 117 Resp: 31793

Ion Ratio Lower Upper

117 100

119 4.7 77.1 115.7#

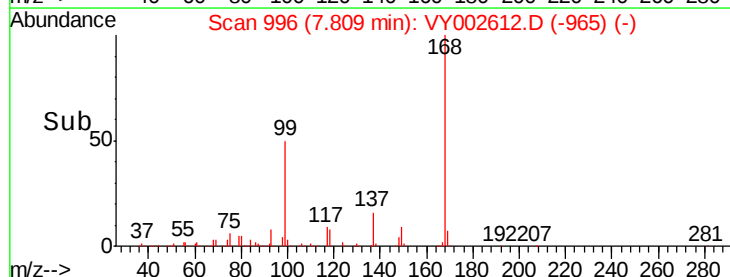
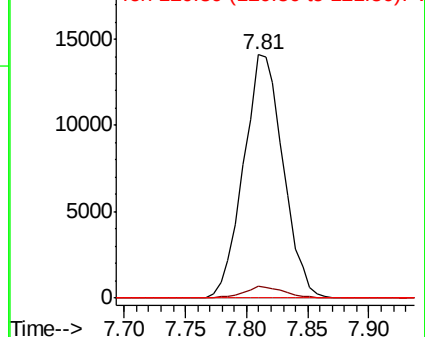
121 0.0 25.2 37.8#

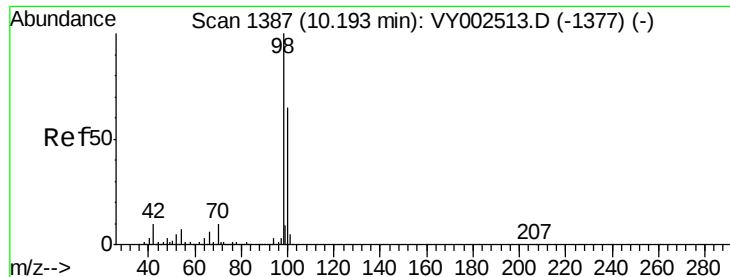


Abundance Ion 116.80 (116.50 to 117.50): VY002513.D (-1004) (-)

Ion 118.80 (118.50 to 119.50): VY002513.D (-1004) (-)

Ion 120.80 (120.50 to 121.50): VY002513.D (-1004) (-)





#50

Toluene-d8

Concen: 51.764 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. -0.00 min

Lab File: VY002612.D

Acq: 06 May 2020 13:55

Instrument :

MSVOA_Y

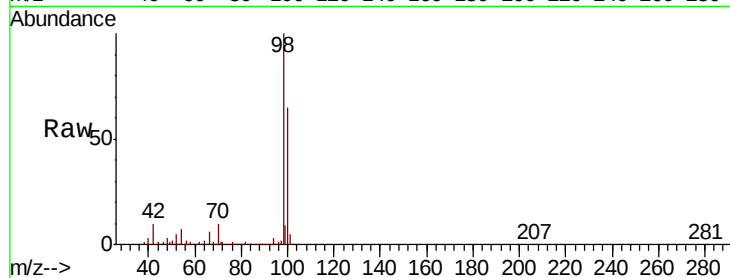
ClientSampleId :

Tot Ion: 98 Resp: 635936

Ion Ratio Lower Upper

98 100

100 65.7 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY

10.19

400000

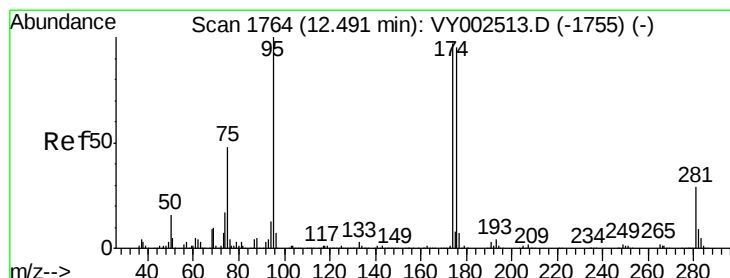
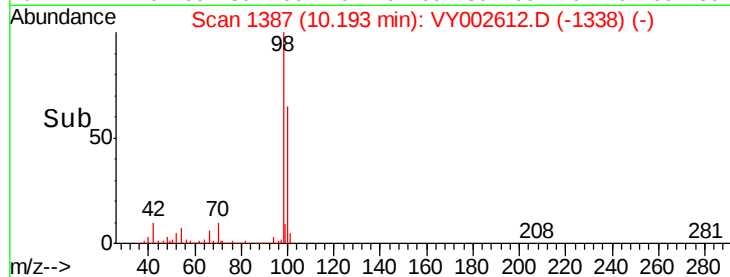
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 50.434 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VY002612.D

Acq: 06 May 2020 13:55

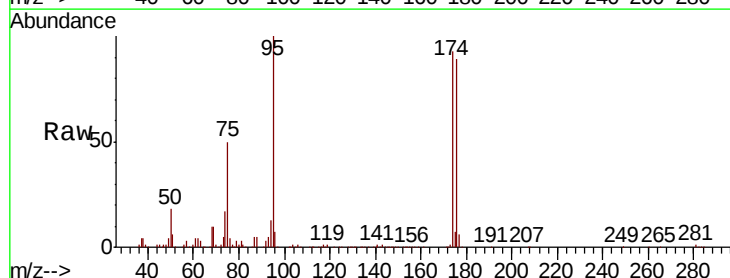
Tgt Ion: 95 Resp: 210245

Ion Ratio Lower Upper

95 100

174 93.7 0.0 188.8

176 90.3 0.0 183.2



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

12.49

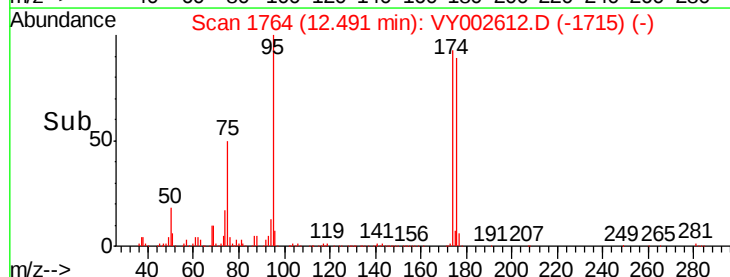
150000

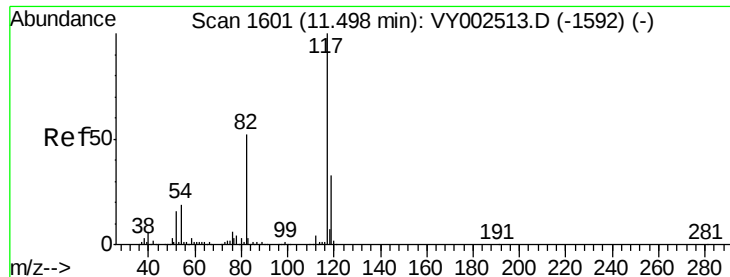
100000

50000

0

Time-->

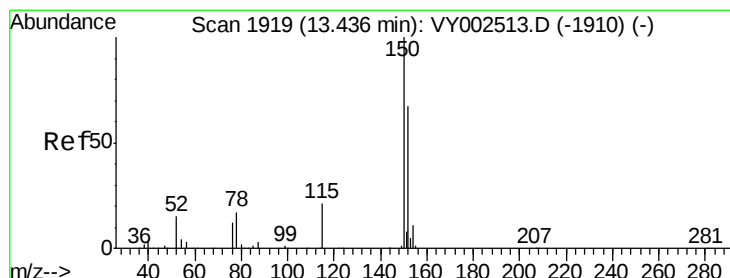
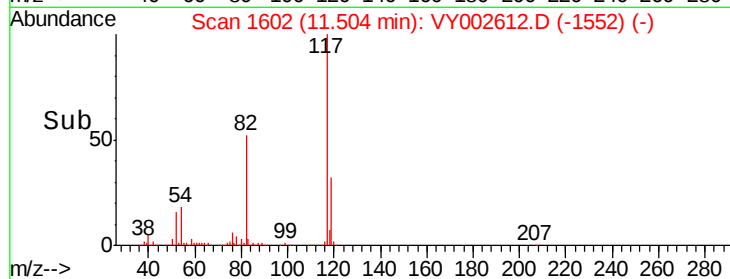
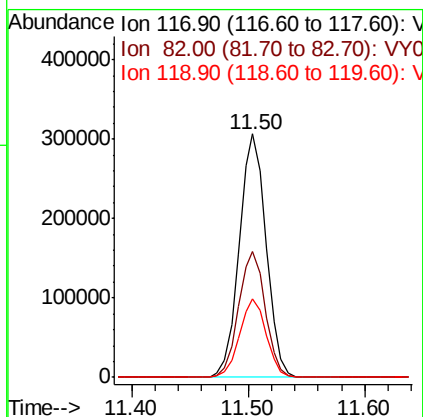
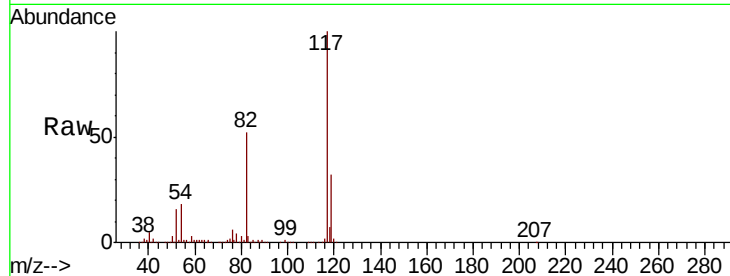




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.01 min
Lab File: VY002612.D
Acq: 06 May 2020 13:55

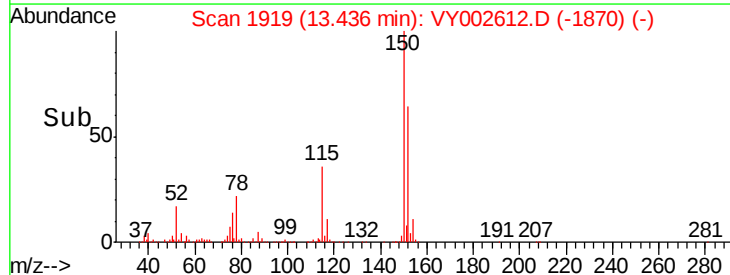
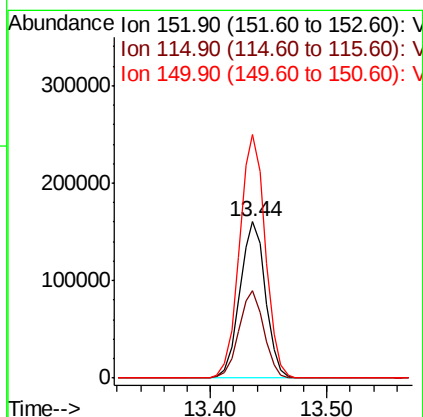
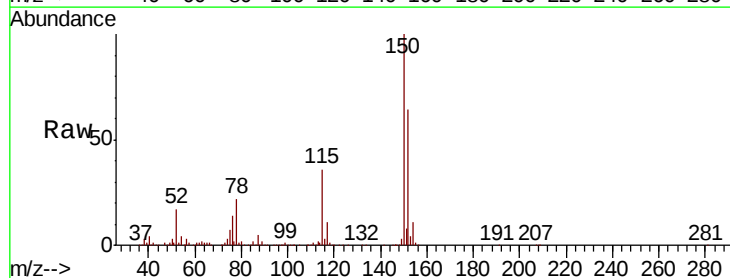
Instrument :
MSVOA_Y
ClientSampleId :

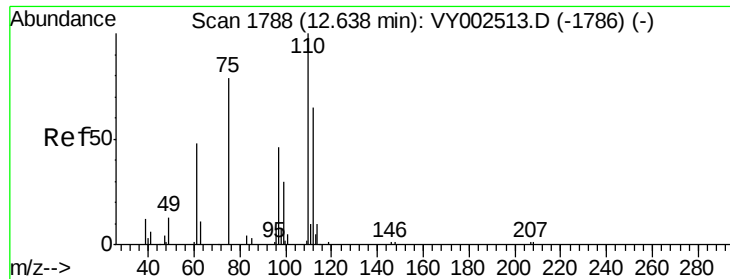
Tot Ion:117 Resp: 492260
Ion Ratio Lower Upper
117 100
82 52.0 41.3 61.9
119 32.4 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.44 min Scan# 1919
Delta R.T. -0.00 min
Lab File: VY002612.D
Acq: 06 May 2020 13:55

Tgt Ion:152 Resp: 244686
Ion Ratio Lower Upper
152 100
115 54.9 27.5 82.4
150 157.1 0.0 346.4

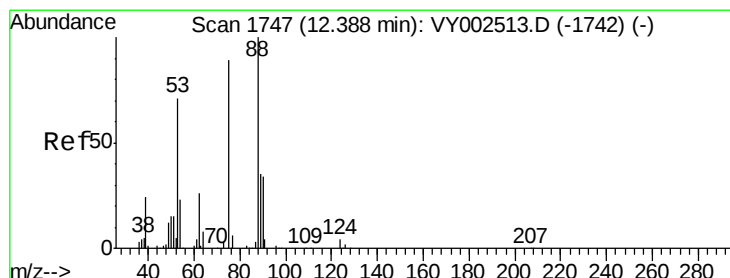
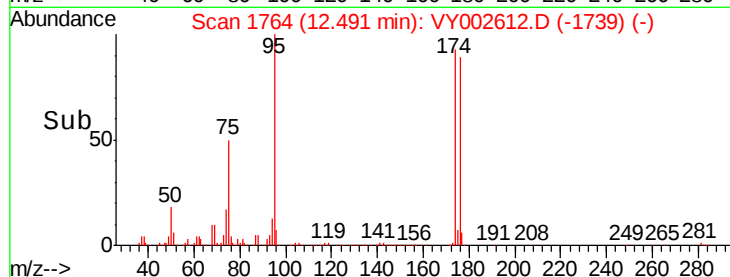
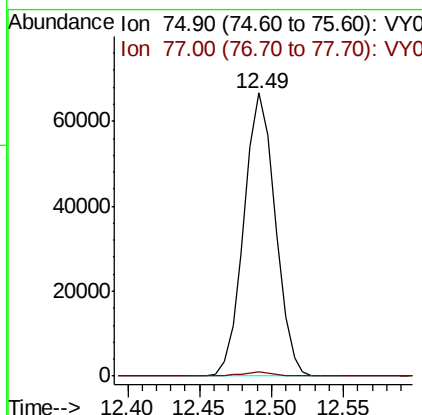
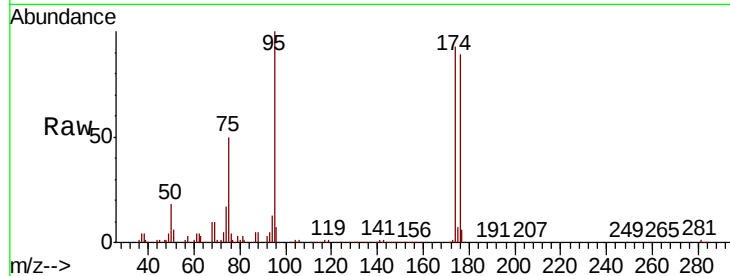




#76
 1,2,3-Trichloropropane
 Concen: 46.316 ug/l
 RT: 12.49 min Scan# 1764
 Delta R.T. -0.15 min
 Lab File: VY002612.D
 Acq: 06 May 2020 13:55

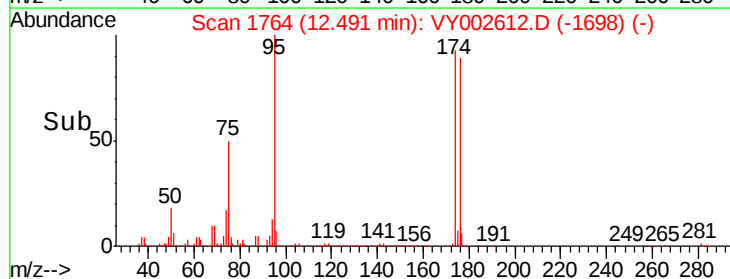
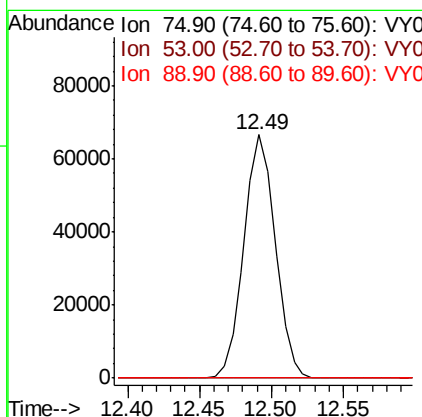
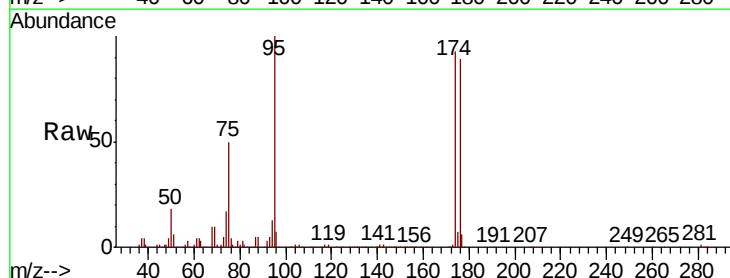
Instrument :
 MSVOA_Y
 ClientSampleId :

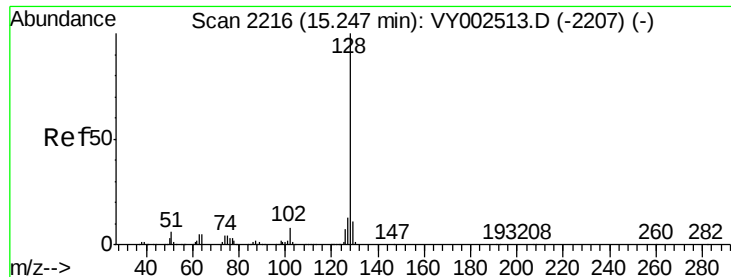
Tot Ion: 75 Resp: 100712
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 92.873 ug/l
 RT: 12.49 min Scan# 1764
 Delta R.T. 0.10 min
 Lab File: VY002612.D
 Acq: 06 May 2020 13:55

Tgt Ion: 75 Resp: 100712
 Ion Ratio Lower Upper
 75 100
 53 0.0 67.4 101.0#
 89 0.0 37.4 56.0#

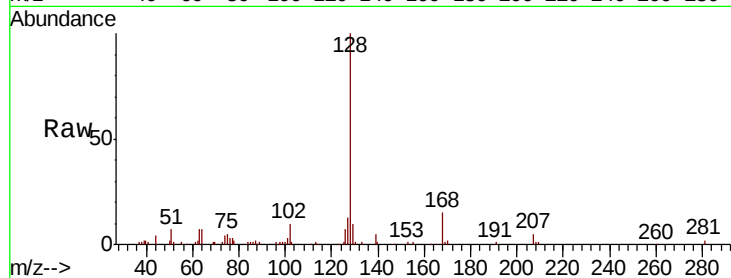




#95
Naphthalene
Concen: 3.048 ug/l
RT: 15.25 min Scan# 2216
Delta R.T. -0.00 min
Lab File: VY002612.D
Acq: 06 May 2020 13:55

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.5	15.7
129	11.7	8.8	13.2



Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

