

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY042820\
 Data File : VY002492.D
 Acq On : 28 Apr 2020 14:20
 Operator : SY/MD
 Sample : L2428-04
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Apr 29 00:27:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y042320S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 23 14:11:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	274651	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	8.70	114	425132	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.49	117	343864	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.42	152	169711	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.15	65	139075	57.93	ug/l	-0.02
Spiked Amount			Recovery	=	115.86%	
35) Dibromofluoromethane	7.73	113	128681	53.66	ug/l	-0.02
Spiked Amount			Recovery	=	107.32%	
50) Toluene-d8	10.18	98	498228	51.69	ug/l	-0.02
Spiked Amount			Recovery	=	103.38%	
62) 4-Bromofluorobenzene	12.48	95	141891	43.88	ug/l	-0.01
Spiked Amount			Recovery	=	87.76%	

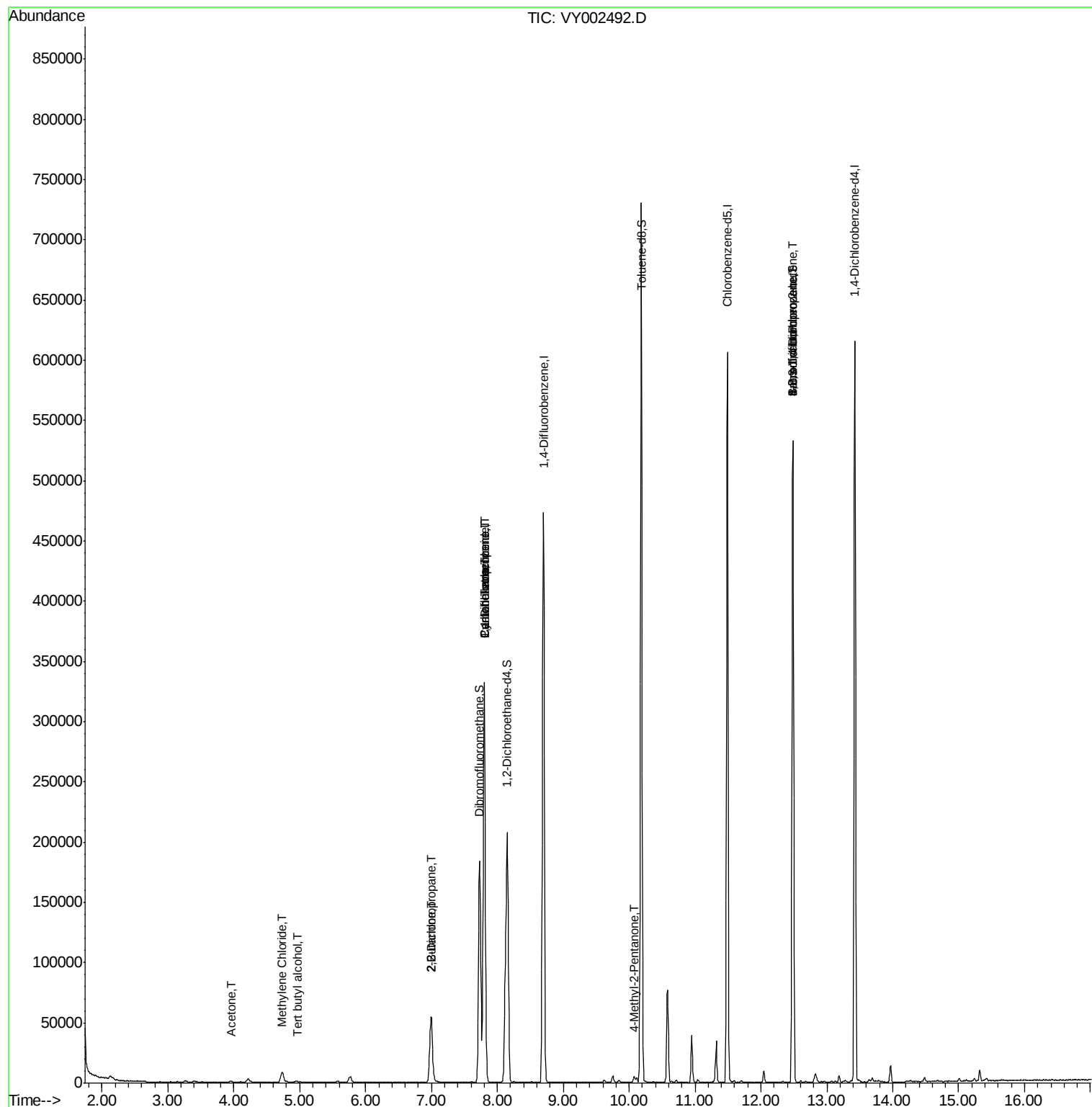
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.96	59	1115	4.935	ug/l #	77
16) Acetone	3.96	43	1825	3.638	ug/l	97
20) Methylene Chloride	4.73	84	6965	2.432	ug/l #	91
25) 2-Butanone	7.00	43	2742	3.568	ug/l #	75
26) 2,2-Dichloropropane	6.99	77	4137	1.046	ug/l #	51
31) Cyclohexane	7.80	56	4467	1.080	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	17012	4.667	ug/l #	50
38) Carbon Tetrachloride	7.80	117	25594	6.106	ug/l #	17
51) 4-Methyl-2-Pentanone	10.07	43	3417	1.921	ug/l	99
71) Bromoform	12.49	173	1663	1.061	ug/l #	1
76) 1,2,3-Trichloropropane	12.48	75	72737	50.568	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	72737	93.575	ug/l #	15

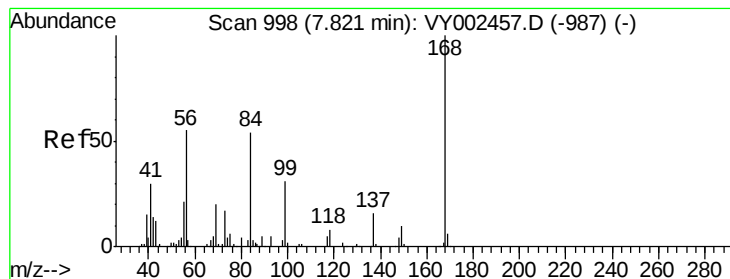
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.02 min

Lab File: VY002492.D

Acq: 28 Apr 2020 14:20

Instrument :

MSVOA_Y

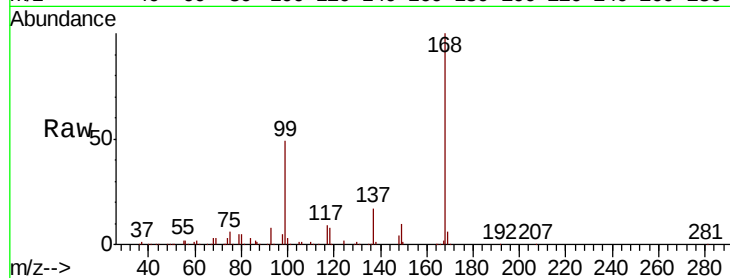
ClientSampleId :

Tot Ion:168 Resp: 274651

Ion Ratio Lower Upper

168 100

99 49.0 39.7 59.5



Abundance Ion 167.90 (167.60 to 168.60): VY002457.D (-987) (-)

Ion 98.90 (98.60 to 99.60): VY002457.D (-987) (-)

7.80

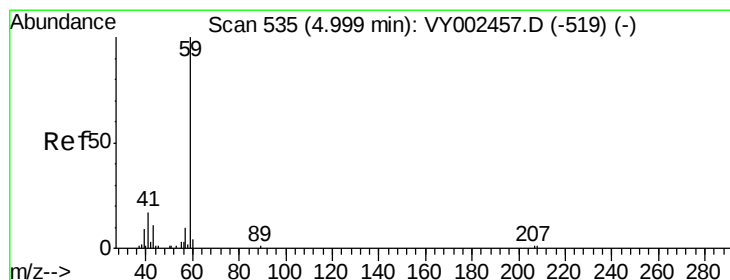
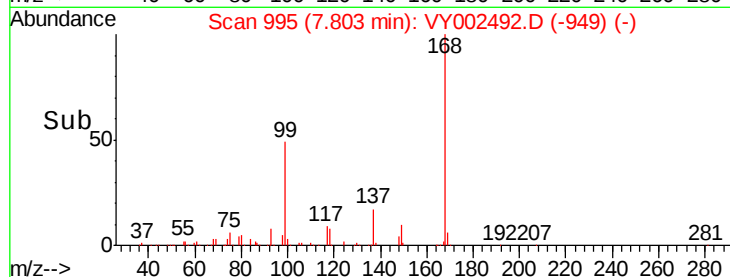
100000

50000

0

7.70 7.80 7.90

Time-->



#11

Tert butyl alcohol

Concen: 4.935 ug/l

RT: 4.96 min Scan# 529

Delta R.T. -0.04 min

Lab File: VY002492.D

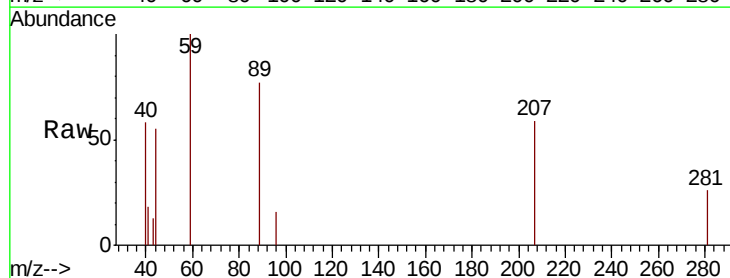
Acq: 28 Apr 2020 14:20

Tgt Ion: 59 Resp: 1115

Ion Ratio Lower Upper

59 100

57 2.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VY002457.D (-519) (-)

Ion 57.00 (56.70 to 57.70): VY002457.D (-519) (-)

4.96

500

400

300

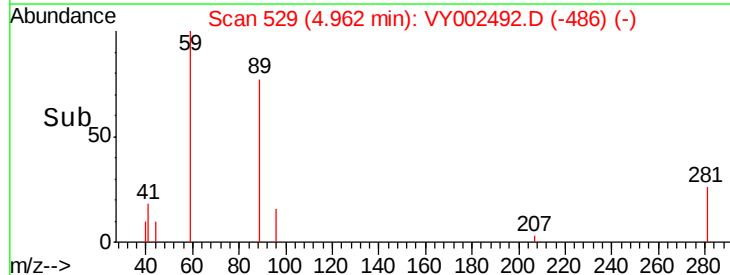
200

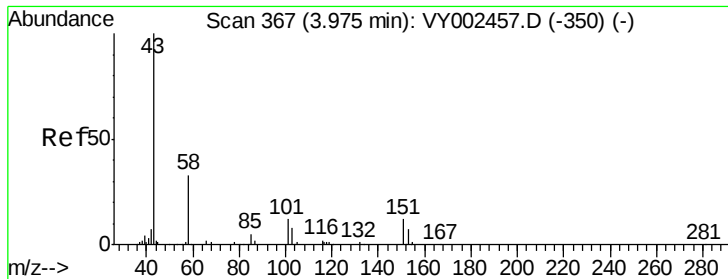
100

0

4.95 5.00 5.05

Time-->

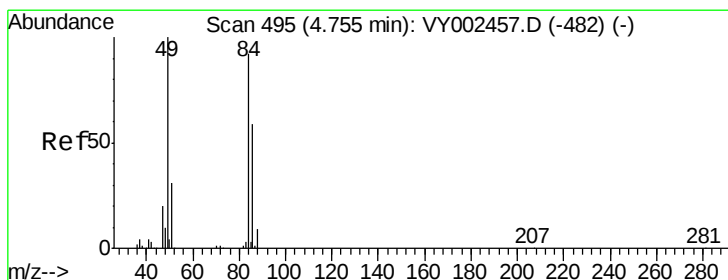
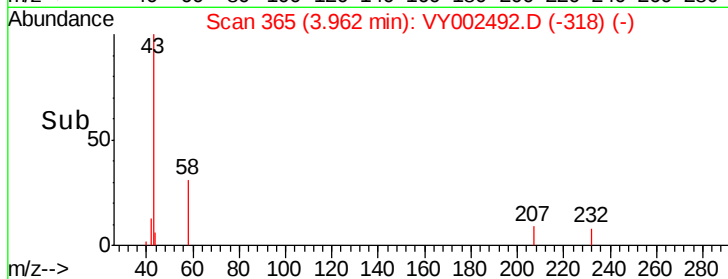
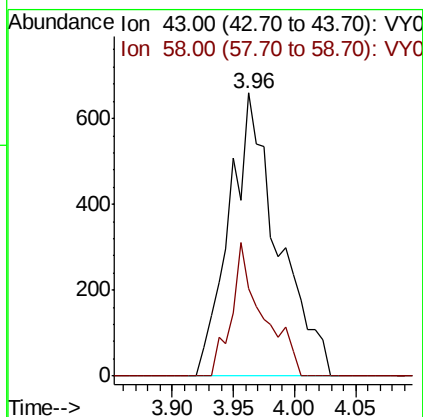
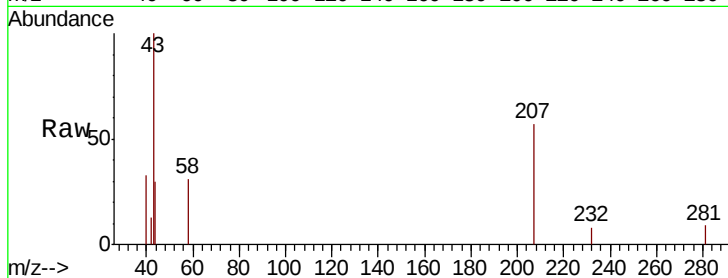




#16
Acetone
Concen: 3.638 ug/l
RT: 3.96 min Scan# 365
Delta R.T. -0.01 min
Lab File: VY002492.D
Acq: 28 Apr 2020 14:20

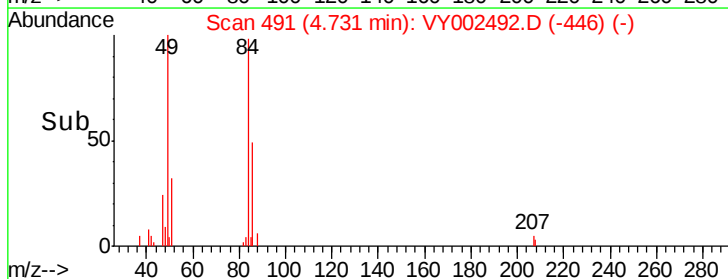
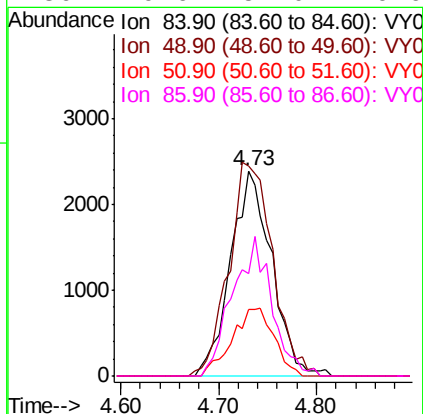
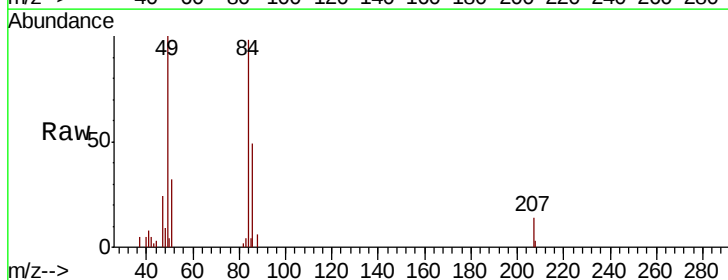
Instrument :
MSVOA_Y
ClientSampleId :

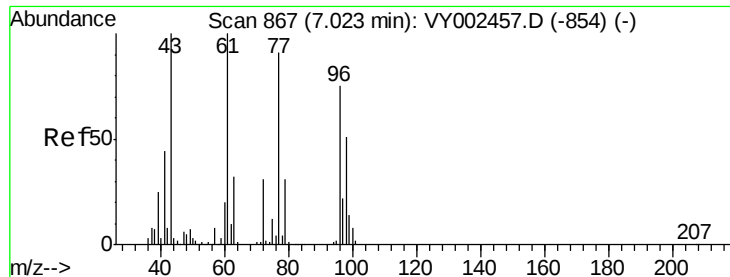
Tot Ion: 43 Resp: 1825
Ion Ratio Lower Upper
43 100
58 31.1 26.4 39.6



#20
Methylene Chloride
Concen: 2.432 ug/l
RT: 4.73 min Scan# 491
Delta R.T. -0.02 min
Lab File: VY002492.D
Acq: 28 Apr 2020 14:20

Tgt Ion: 84 Resp: 6965
Ion Ratio Lower Upper
84 100
49 102.1 86.9 130.3
51 32.2 27.3 40.9
86 49.6 51.0 76.6#





#25

2-Butanone

Concen: 3.568 ug/l

RT: 7.00 min Scan# 864

Delta R.T. -0.02 min

Lab File: VY002492.D

Acq: 28 Apr 2020 14:20

Instrument :

MSVOA_Y

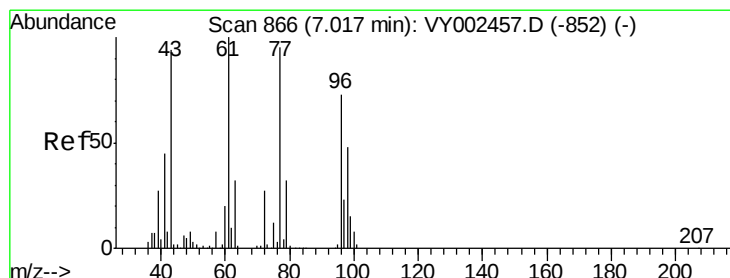
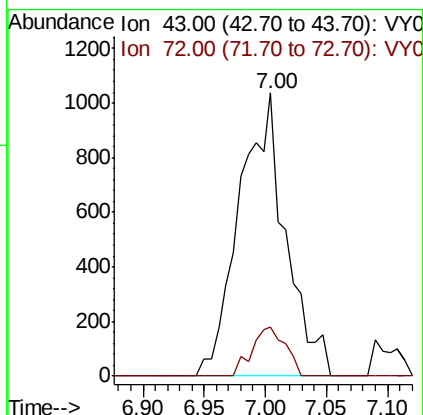
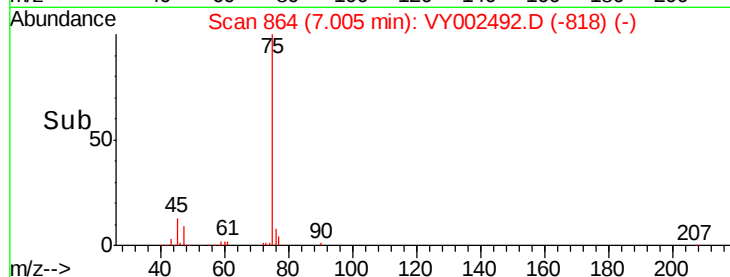
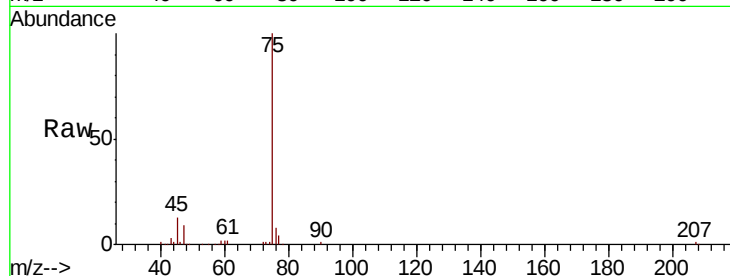
ClientSampleId :

Tot Ion: 43 Resp: 2742

Ion Ratio Lower Upper

43 100

72 17.4 24.8 37.2#



#26

2,2-Dichloropropane

Concen: 1.046 ug/l

RT: 6.99 min Scan# 862

Delta R.T. -0.02 min

Lab File: VY002492.D

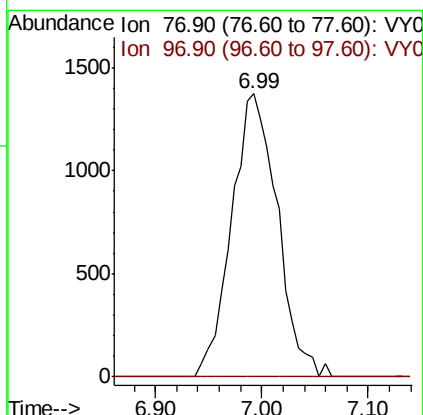
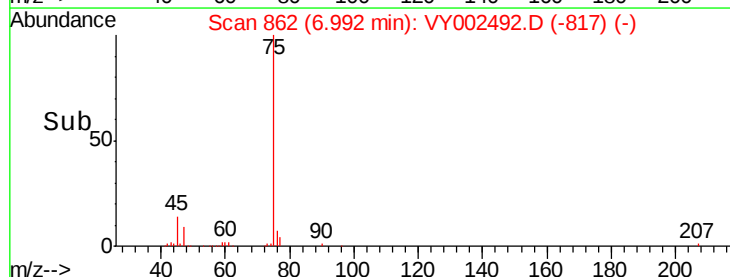
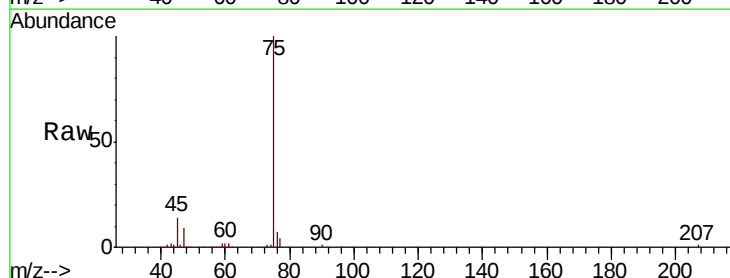
Acq: 28 Apr 2020 14:20

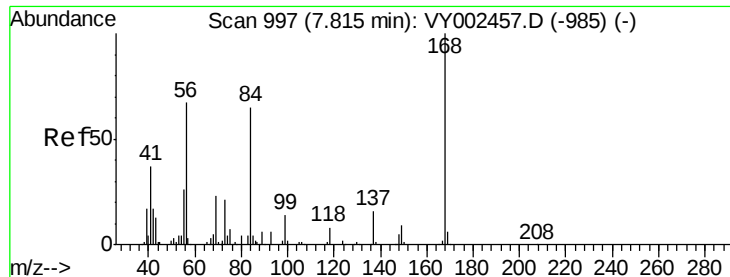
Tgt Ion: 77 Resp: 4137

Ion Ratio Lower Upper

77 100

97 0.0 12.0 36.0#

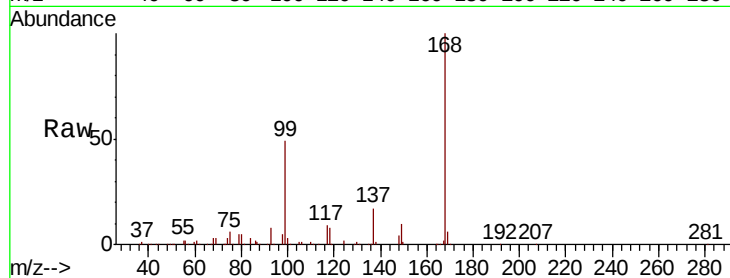




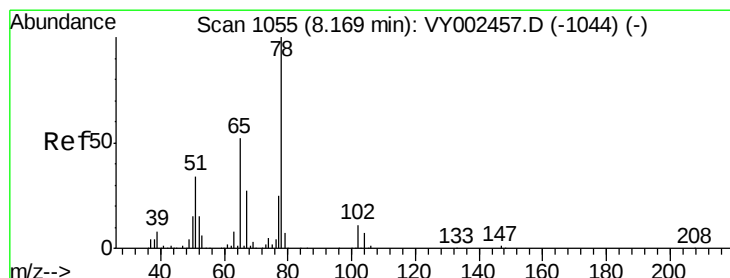
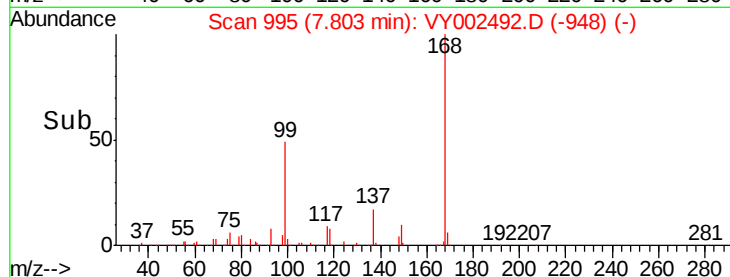
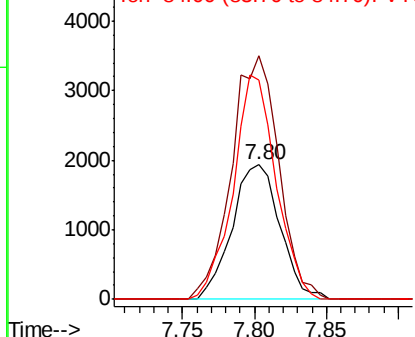
#31
Cyclohexane
Concen: 1.080 ug/l
RT: 7.80 min Scan# 995
Delta R.T. -0.01 min
Lab File: VY002492.D
Acq: 28 Apr 2020 14:20

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 56 Resp: 4467
Ion Ratio Lower Upper
56 100
69 180.8 27.0 40.6#
84 162.5 77.4 116.2#

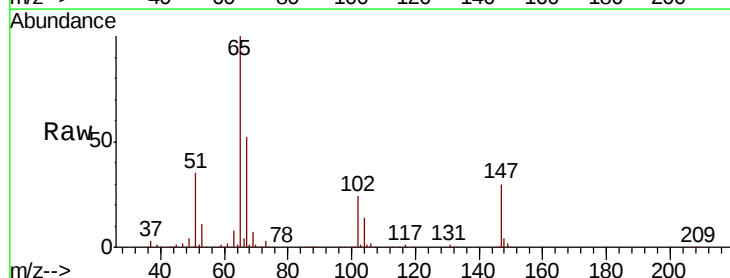


Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0

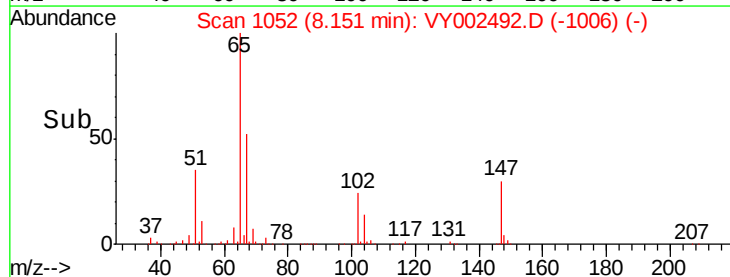
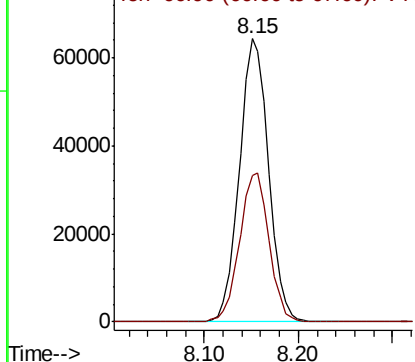


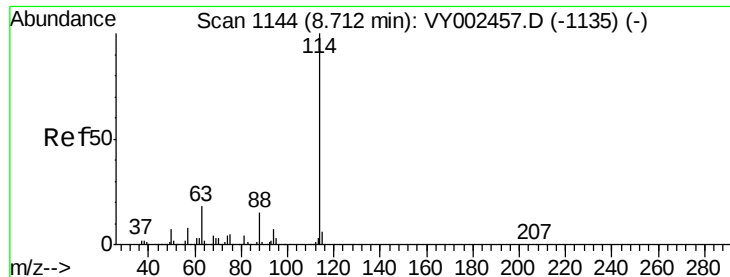
#33
1,2-Dichloroethane-d4
Concen: 57.935 ug/l
RT: 8.15 min Scan# 1052
Delta R.T. -0.02 min
Lab File: VY002492.D
Acq: 28 Apr 2020 14:20

Tgt Ion: 65 Resp: 139075
Ion Ratio Lower Upper
65 100
67 53.4 0.0 104.2



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: 8.70 min Scan# 1142

Delta R.T. -0.01 min

Lab File: VY002492.D

Acq: 28 Apr 2020 14:20

Instrument :

MSVOA_Y

ClientSampled :

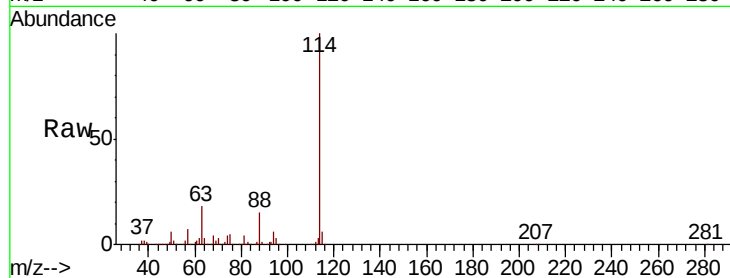
Tot Ion:114 Resp: 425132

Ion Ratio Lower Upper

114 100

63 17.8 0.0 35.6

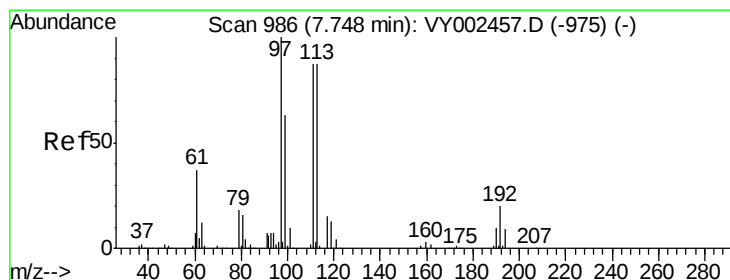
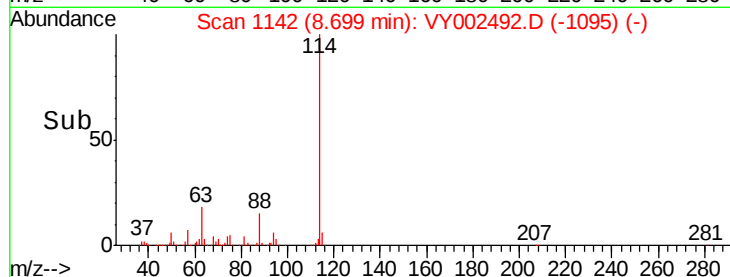
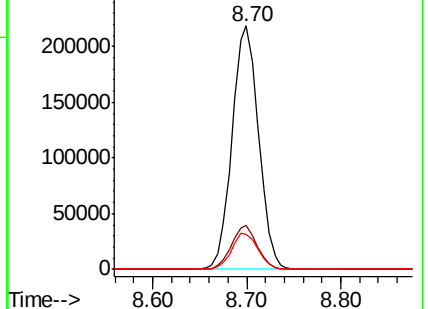
88 14.6 0.0 29.4



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: 53.662 ug/l

RT: 7.73 min Scan# 983

Delta R.T. -0.02 min

Lab File: VY002492.D

Acq: 28 Apr 2020 14:20

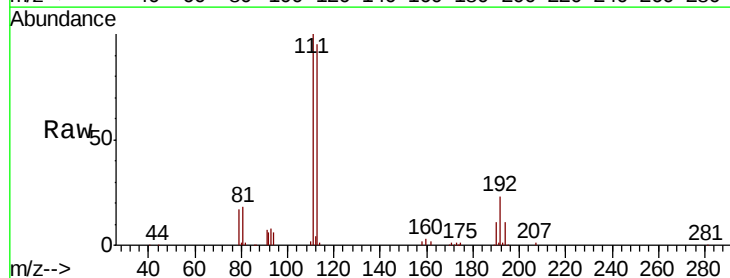
Tgt Ion:113 Resp: 128681

Ion Ratio Lower Upper

113 100

111 103.4 81.0 121.4

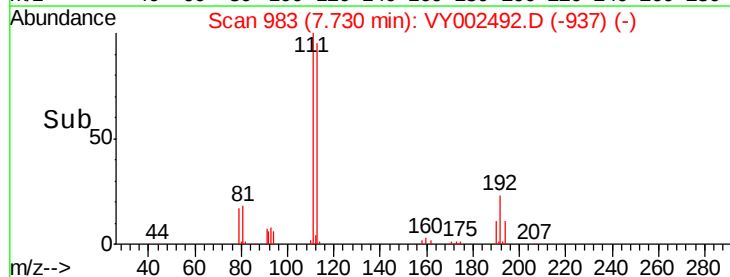
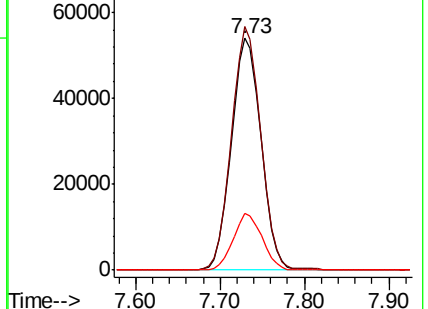
192 23.7 18.6 27.8

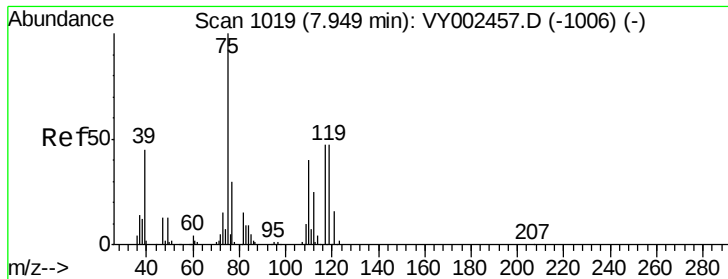


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.667 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.15 min

Lab File: VY002492.D

Acq: 28 Apr 2020 14:20

Instrument :

MSVOA_Y

ClientSampleId :

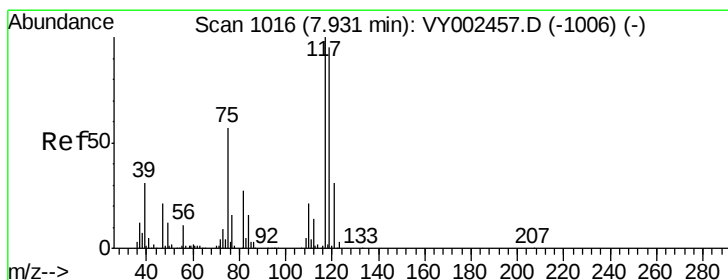
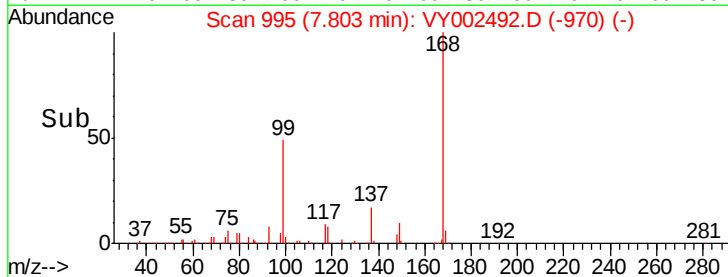
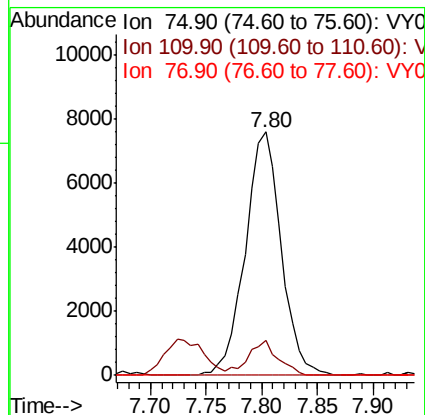
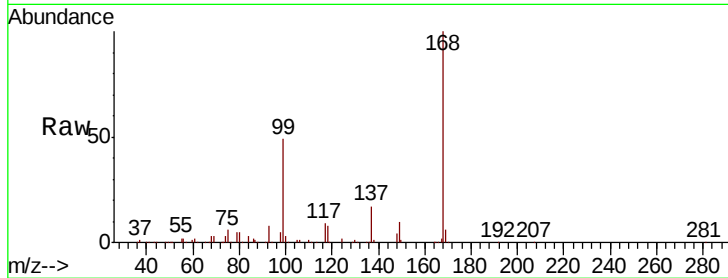
Tot Ion: 75 Resp: 17012

Ion Ratio Lower Upper

75 100

110 12.0 19.4 58.4#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 6.106 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.13 min

Lab File: VY002492.D

Acq: 28 Apr 2020 14:20

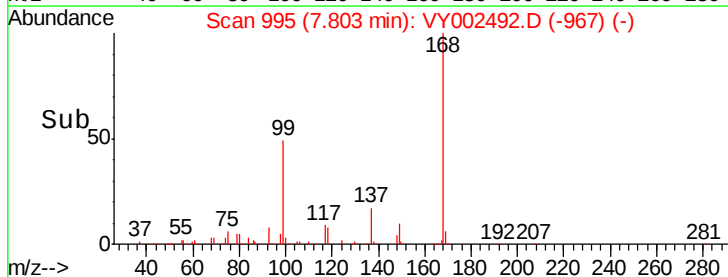
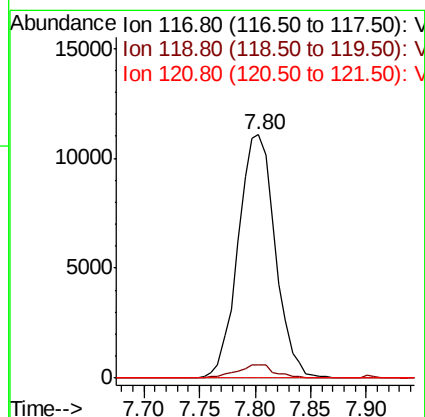
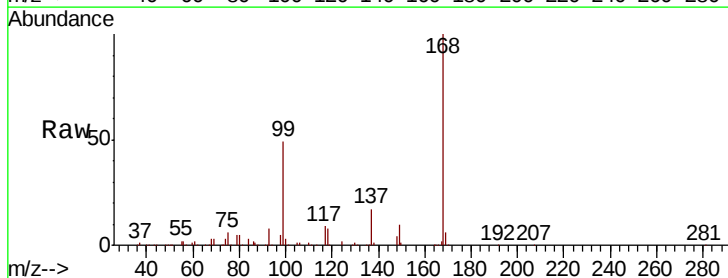
Tgt Ion: 117 Resp: 25594

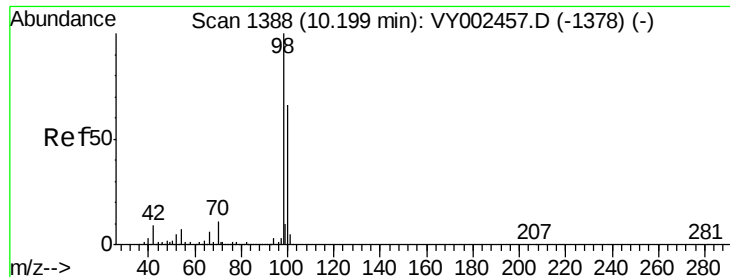
Ion Ratio Lower Upper

117 100

119 5.3 75.9 113.9#

121 0.0 24.5 36.7#





#50

Toluene-d8

Concen: 51.694 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.02 min

Lab File: VY002492.D

Acq: 28 Apr 2020 14:20

Instrument :

MSVOA_Y

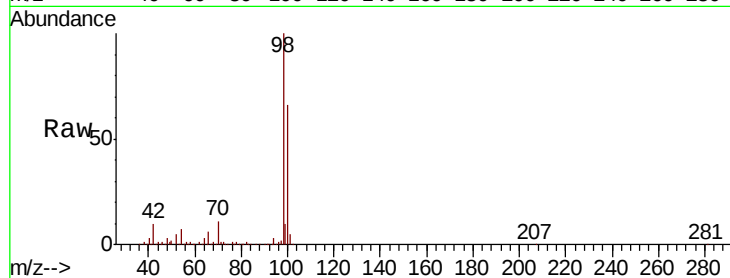
ClientSampleId :

Tot Ion: 98 Resp: 498228

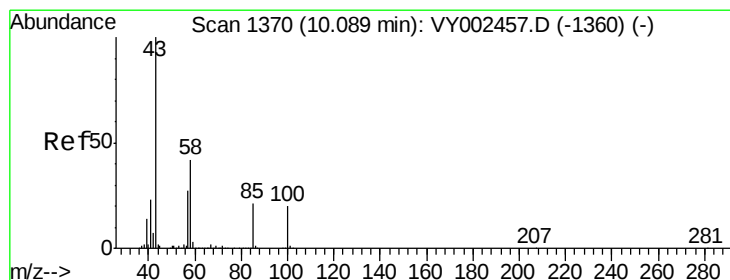
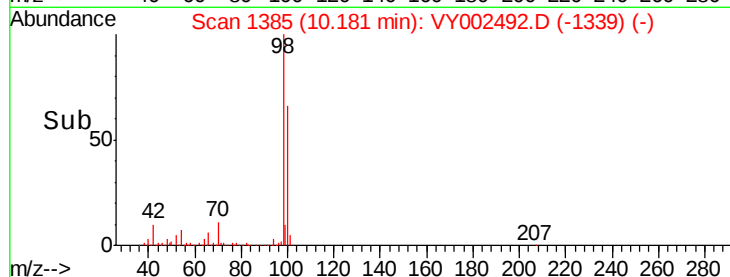
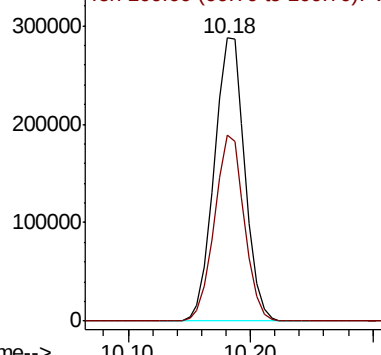
Ion Ratio Lower Upper

98 100

100 64.2 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VY002457.D (-1378) (-)



#51

4-Methyl-2-Pentanone

Concen: 1.921 ug/l

RT: 10.07 min Scan# 1367

Delta R.T. -0.02 min

Lab File: VY002492.D

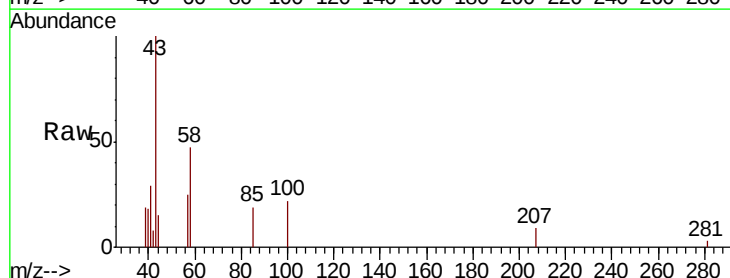
Acq: 28 Apr 2020 14:20

Tgt Ion: 43 Resp: 3417

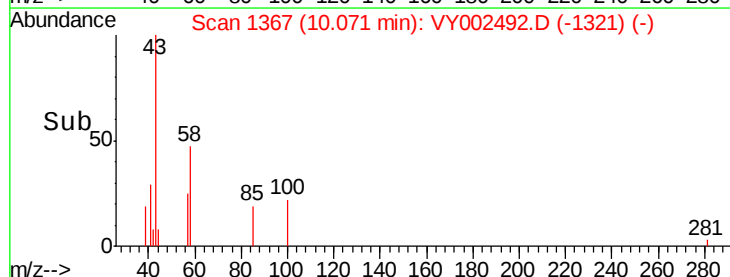
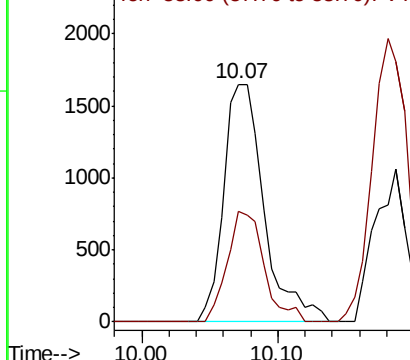
Ion Ratio Lower Upper

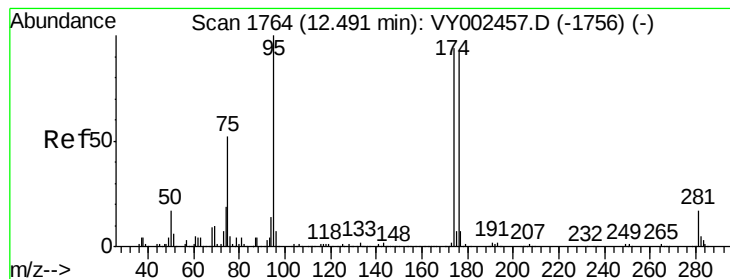
43 100

58 42.1 33.2 49.8



Abundance Ion 43.00 (42.70 to 43.70): VY002457.D (-1360) (-)





#62

4-Bromofluorobenzene

Concen: 43.875 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.01 min

Lab File: VY002492.D

Acq: 28 Apr 2020 14:20

Instrument :

MSVOA_Y

ClientSampleId :

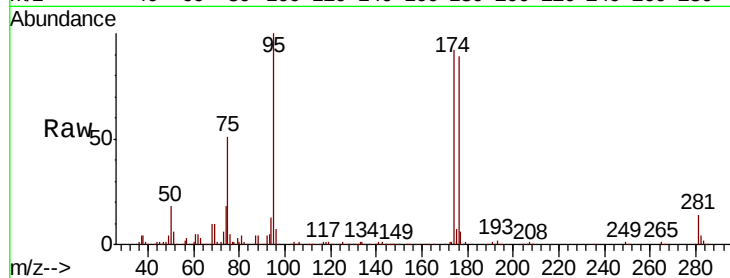
Tot Ion: 95 Resp: 141891

Ion Ratio Lower Upper

95 100

174 97.7 0.0 193.0

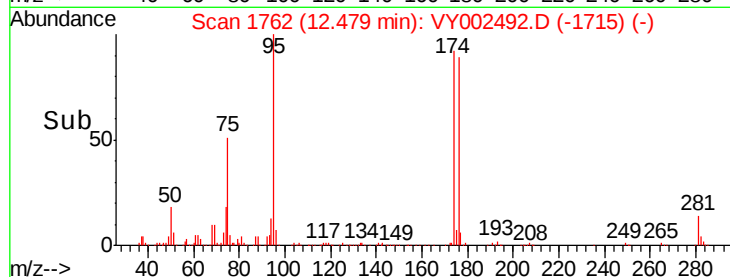
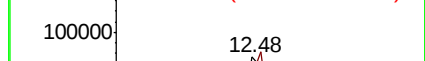
176 94.6 0.0 190.4



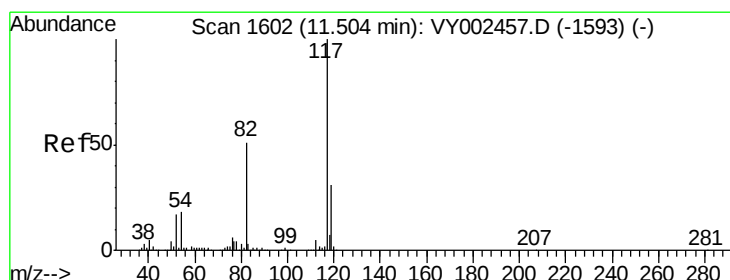
Abundance Ion 94.90 (94.60 to 95.60): VY002457.D (-1756) (-)

Ion 173.80 (173.50 to 174.50): VY002457.D (-1756) (-)

Ion 175.80 (175.50 to 176.50): VY002457.D (-1756) (-)



Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1600

Delta R.T. -0.01 min

Lab File: VY002492.D

Acq: 28 Apr 2020 14:20

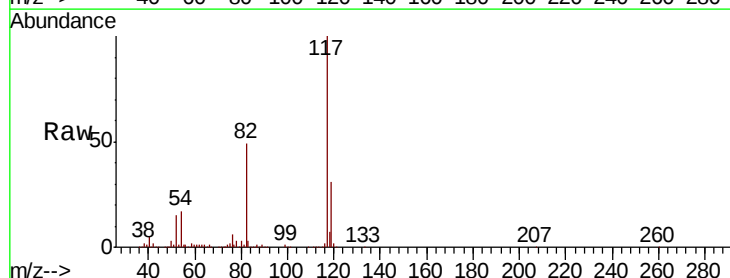
Tgt Ion: 117 Resp: 343864

Ion Ratio Lower Upper

117 100

82 48.6 40.8 61.2

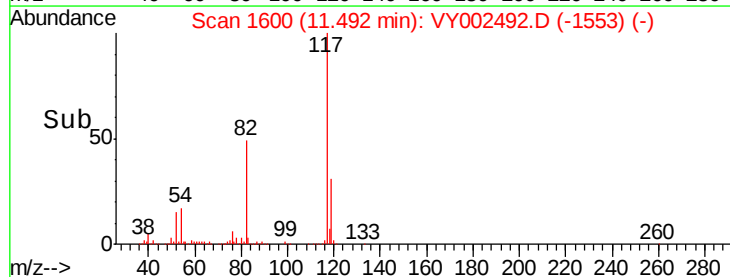
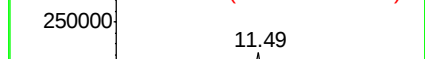
119 30.5 25.2 37.8



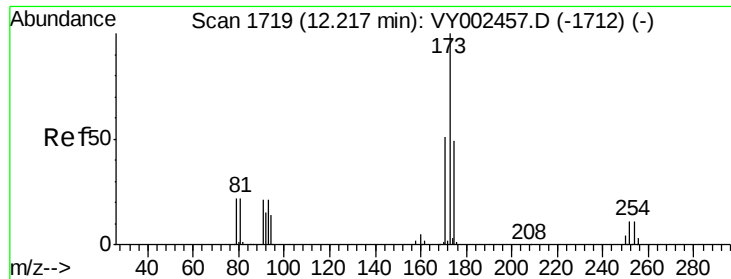
Abundance Ion 116.90 (116.60 to 117.60): VY002457.D (-1593) (-)

Ion 82.00 (81.70 to 82.70): VY002457.D (-1593) (-)

Ion 118.90 (118.60 to 119.60): VY002457.D (-1593) (-)



Time-->



#71

Bromoform

Concen: 1.061 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. 0.27 min

Lab File: VY002492.D

Acq: 28 Apr 2020 14:20

Instrument :

MSVOA_Y

ClientSampleId :

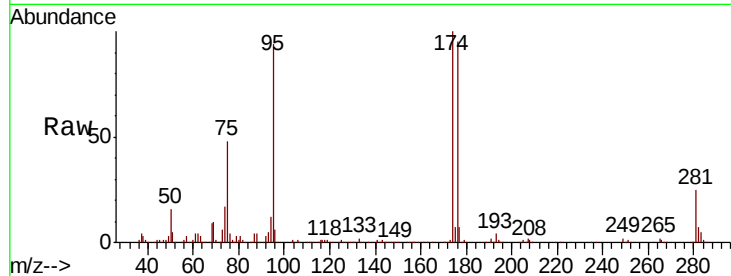
Tot Ion:173 Resp: 1663

Ion Ratio Lower Upper

173 100

175 561.4 24.3 73.0#

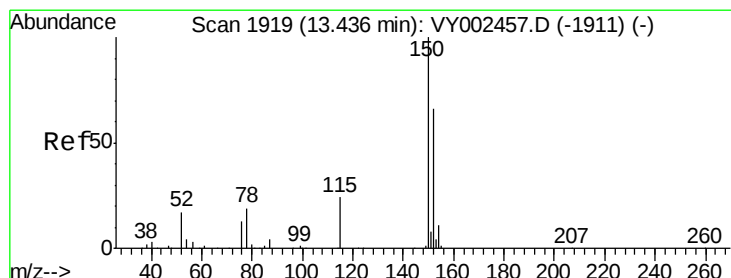
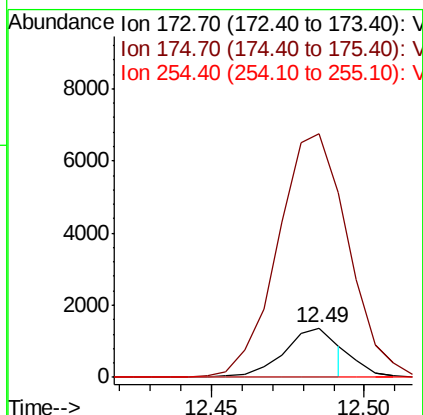
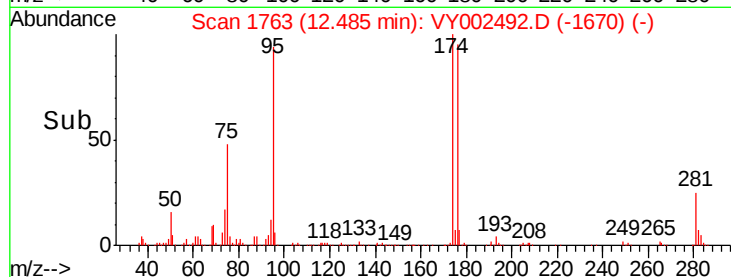
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. -0.01 min

Lab File: VY002492.D

Acq: 28 Apr 2020 14:20

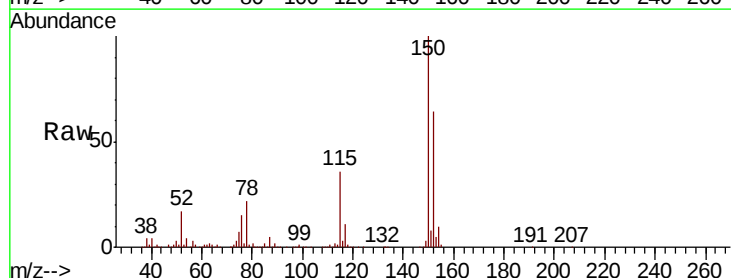
Tgt Ion:152 Resp: 169711

Ion Ratio Lower Upper

152 100

115 55.1 27.3 81.8

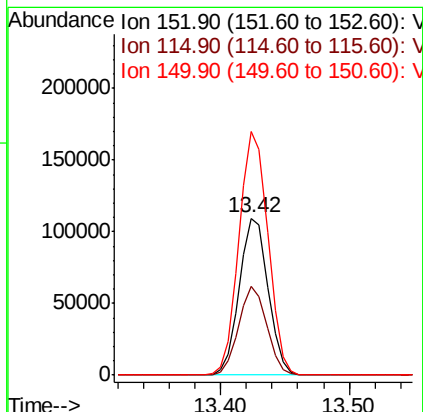
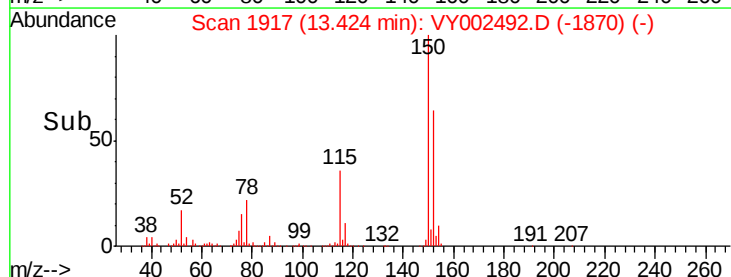
150 155.7 0.0 346.8

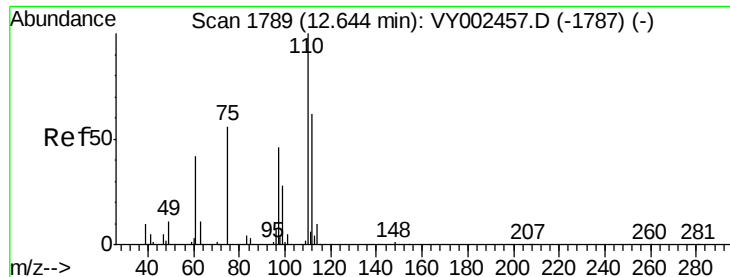


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 50.568 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.16 min

Lab File: VY002492.D

Acq: 28 Apr 2020 14:20

Instrument :

MSVOA_Y

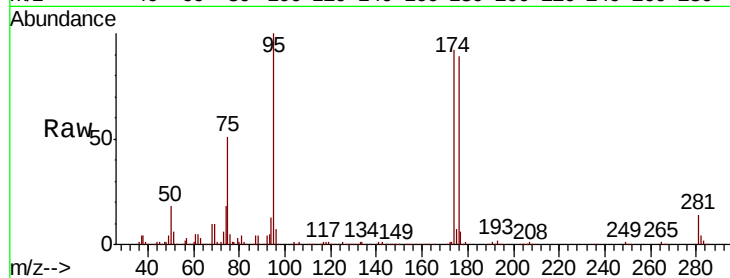
ClientSampled :

Tot Ion: 75 Resp: 72737

Ion Ratio Lower Upper

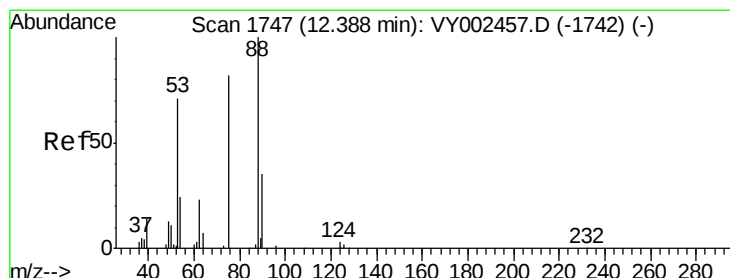
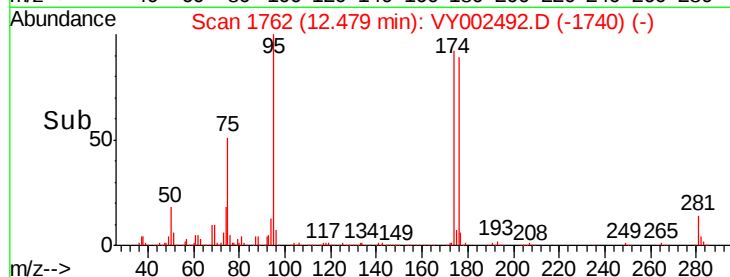
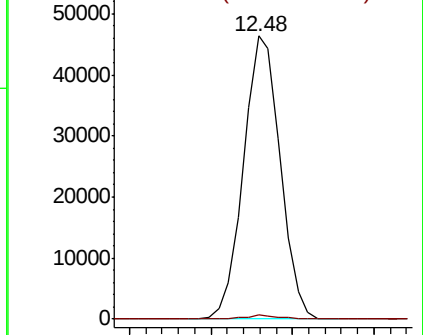
75 100

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: 93.575 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.09 min

Lab File: VY002492.D

Acq: 28 Apr 2020 14:20

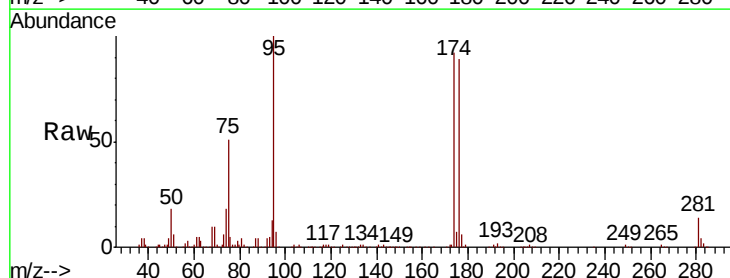
Tgt Ion: 75 Resp: 72737

Ion Ratio Lower Upper

75 100

53 0.0 70.0 105.0#

89 0.1 34.9 52.3#



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

