

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY042320\
 Data File : VY002472.D
 Acq On : 23 Apr 2020 20:01
 Operator : SY/MD
 Sample : L2359-06
 Misc : 6.23G/5ML/MSVOA Y/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Apr 24 01:34:58 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

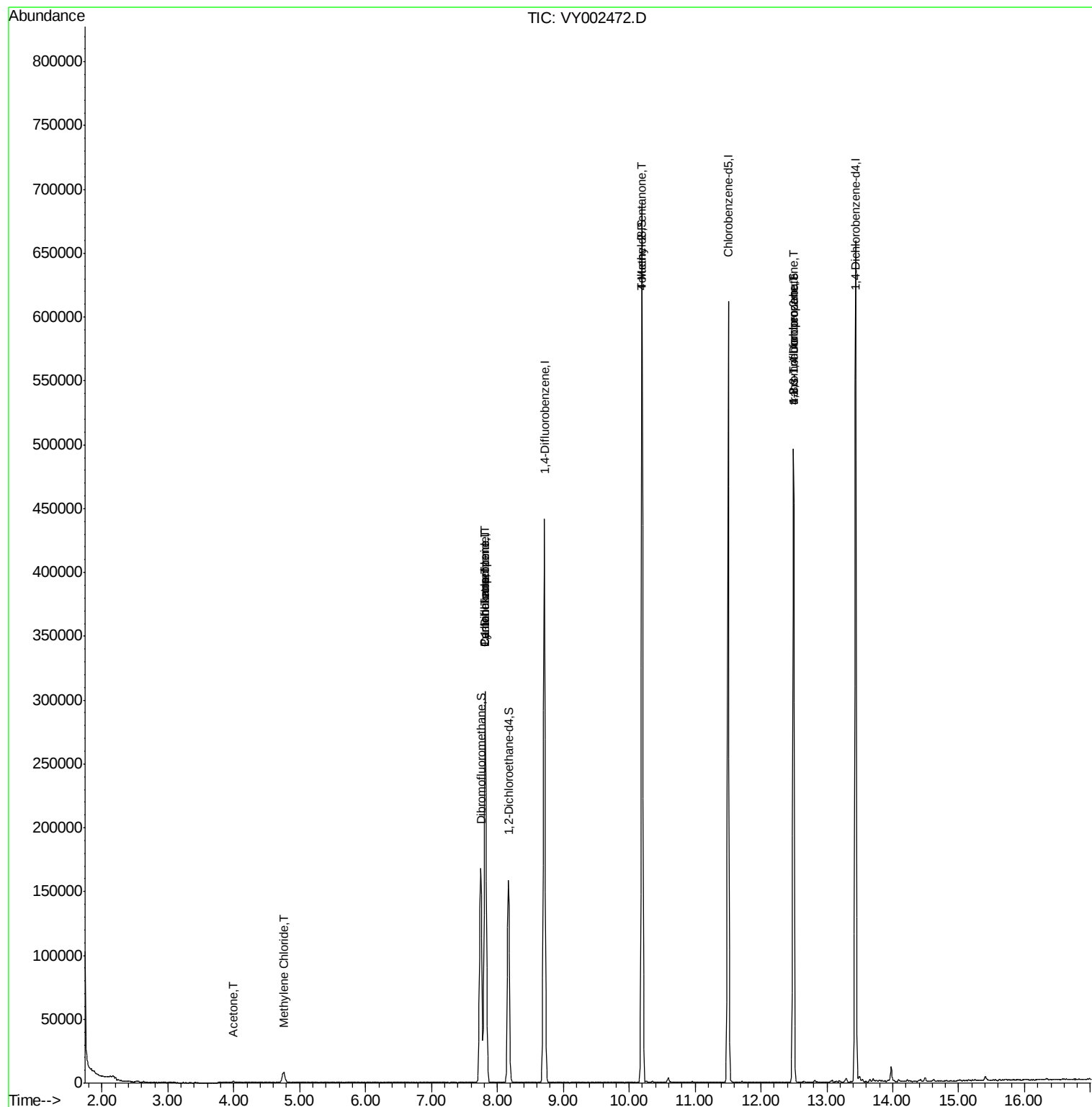
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	252268	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	394245	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	349266	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	173052	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.17	65	126563	57.40	ug/l	0.00
Spiked Amount 50.000			Recovery	=	114.80%	
35) Dibromofluoromethane	7.75	113	118046	53.08	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.16%	
50) Toluene-d8	10.19	98	459646	51.43	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.86%	
62) 4-Bromofluorobenzene	12.49	95	143006	47.68	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.36%	
Target Compounds						
					Qvalue	
16) Acetone	3.99	43	1068	2.318	ug/l #	85
20) Methylene Chloride	4.76	84	7113	2.704	ug/l	89
31) Cyclohexane	7.82	56	3839	1.011	ug/l #	1
36) 1,1-Dichloropropene	7.82	75	15816	4.679	ug/l #	49
38) Carbon Tetrachloride	7.82	117	23323	6.000	ug/l #	17
51) 4-Methyl-2-Pentanone	10.19	43	1813	1.099	ug/l #	1
76) 1,2,3-Trichloropropane	12.49	75	72920	49.717	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	72920	92.000	ug/l #	15

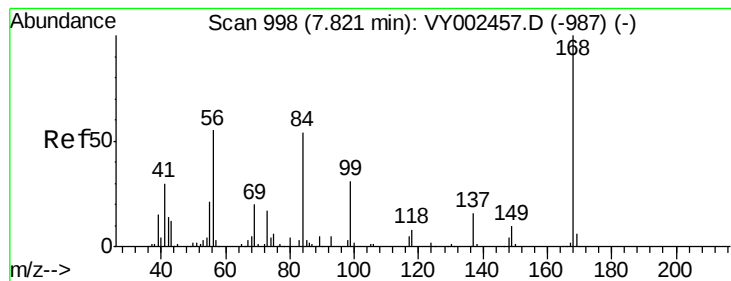
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 997

Delta R.T. -0.01 min

Lab File: VY002472.D

Acq: 23 Apr 2020 20:01

Instrument :

MSVOA_Y

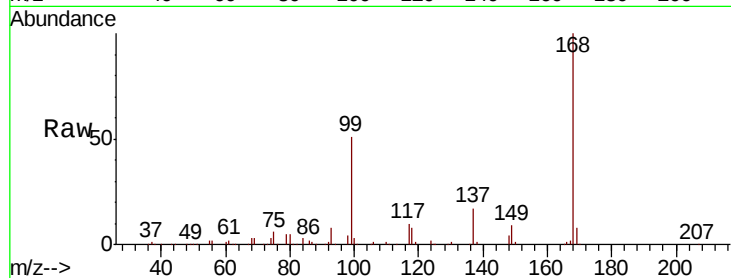
ClientSampleId :

Tot Ion:168 Resp: 252268

Ion Ratio Lower Upper

168 100

99 50.8 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) (-)

7.82

120000

100000

80000

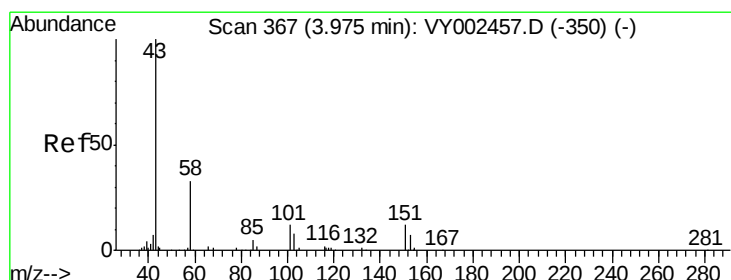
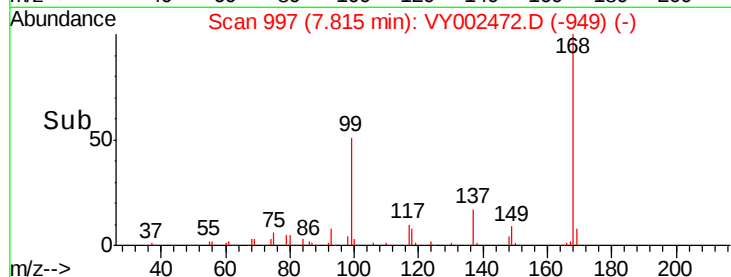
60000

40000

20000

0

Time-->



#16

Acetone

Concen: 2.318 ug/l

RT: 3.99 min Scan# 369

Delta R.T. 0.01 min

Lab File: VY002472.D

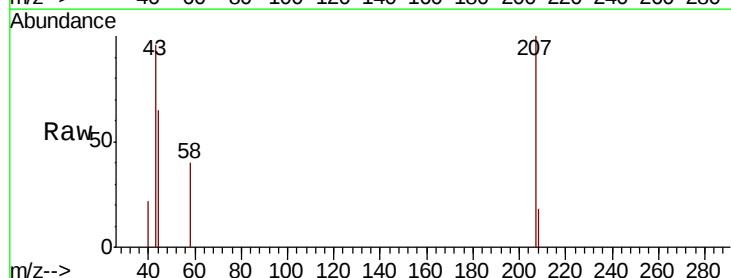
Acq: 23 Apr 2020 20:01

Tgt Ion: 43 Resp: 1068

Ion Ratio Lower Upper

43 100

58 41.6 26.4 39.6#



Abundance Ion 43.00 (42.70 to 43.70): VY002457.D (-350) (-)

Ion 58.00 (57.70 to 58.70): VY002457.D (-350) (-)

3.99

400

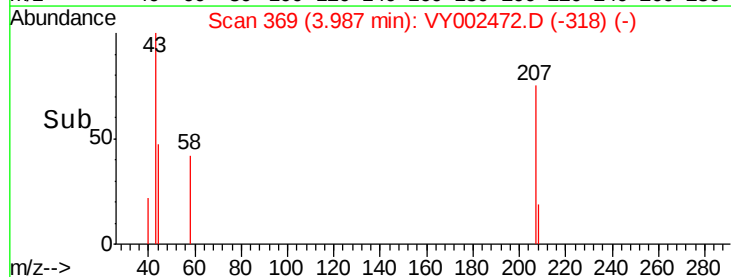
300

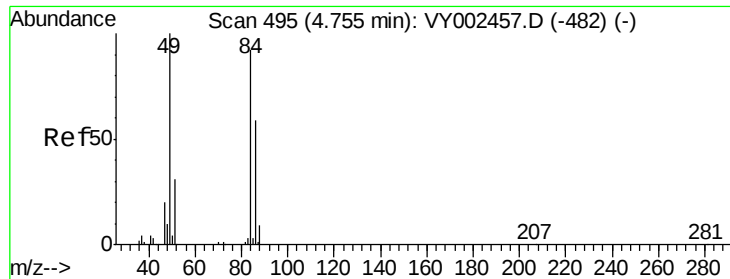
200

100

0

Time-->

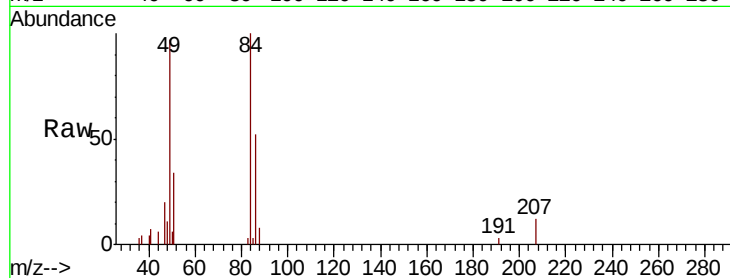




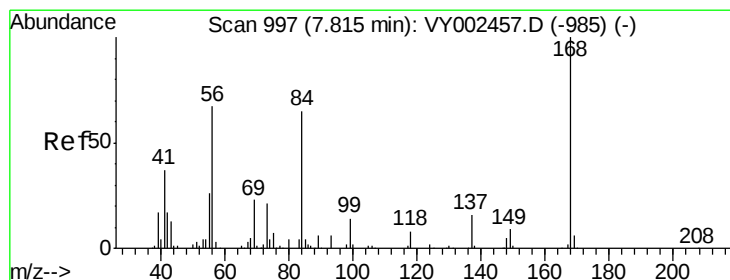
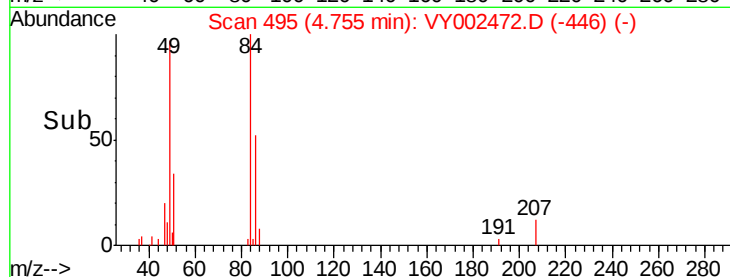
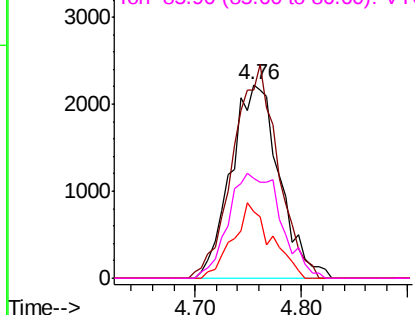
#20
Methvlene Chloride
Concen: 2.704 ug/l
RT: 4.76 min Scan# 495
Delta R.T. 0.00 min
Lab File: VY002472.D
Acq: 23 Apr 2020 20:01

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:	84	Resp:	7113
Ion	Ratio	Lower	Upper
84	100		
49	96.8	86.9	130.3
51	34.3	27.3	40.9
86	51.5	51.0	76.6

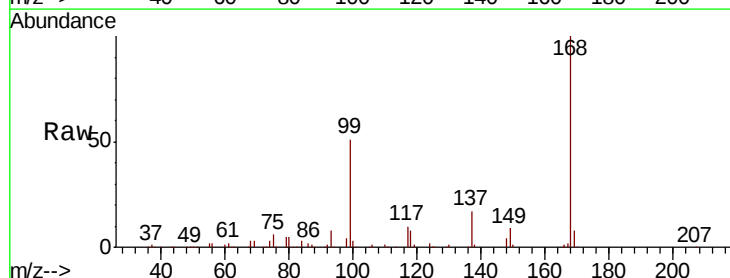


Abundance Ion 83.90 (83.60 to 84.60): VY0
Ion 48.90 (48.60 to 49.60): VY0
Ion 50.90 (50.60 to 51.60): VY0
Ion 85.90 (85.60 to 86.60): VY0

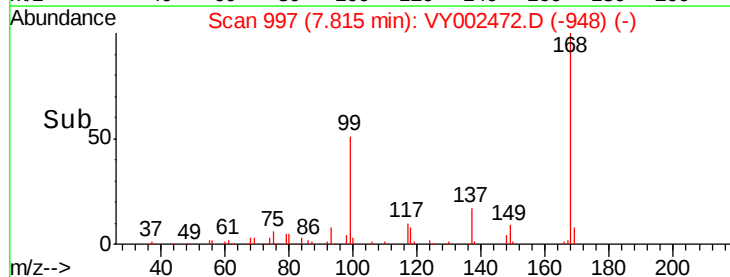
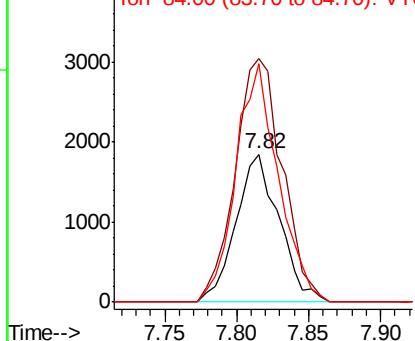


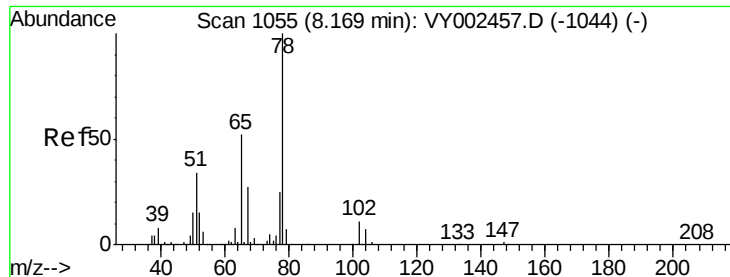
#31
Cyclohexane
Concen: 1.011 ug/l
RT: 7.82 min Scan# 997
Delta R.T. 0.00 min
Lab File: VY002472.D
Acq: 23 Apr 2020 20:01

Tgt Ion:	56	Resp:	3839
Ion	Ratio	Lower	Upper
56	100		
69	164.4	27.0	40.6#
84	161.4	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

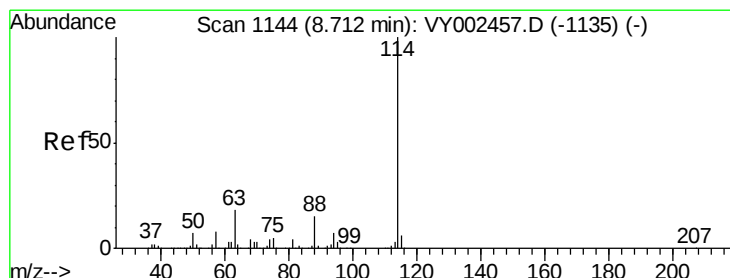
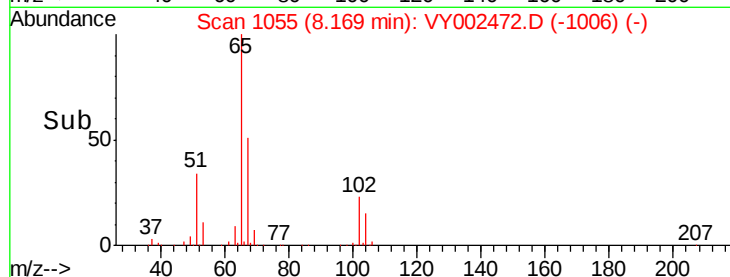
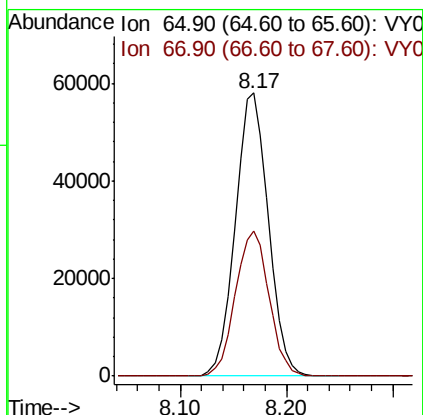
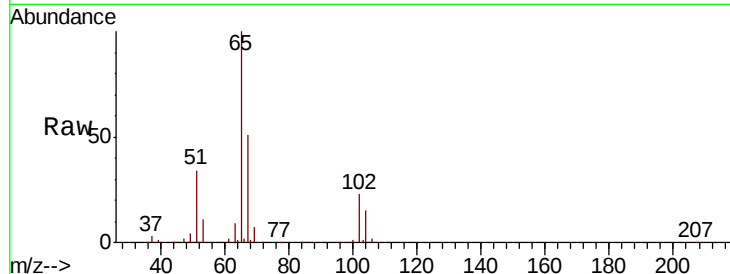




#33
 1,2-Dichloroethane-d4
 Concen: 57.401 ug/l
 RT: 8.17 min Scan# 1055
 Delta R.T. 0.00 min
 Lab File: VY002472.D
 Acq: 23 Apr 2020 20:01

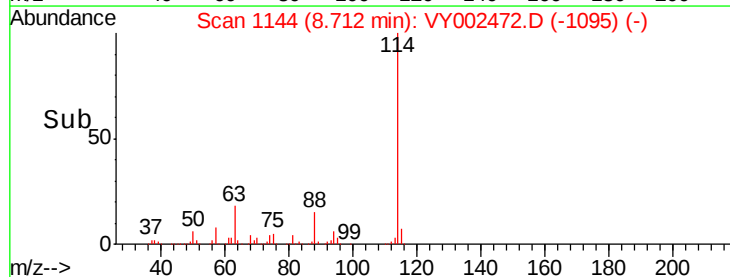
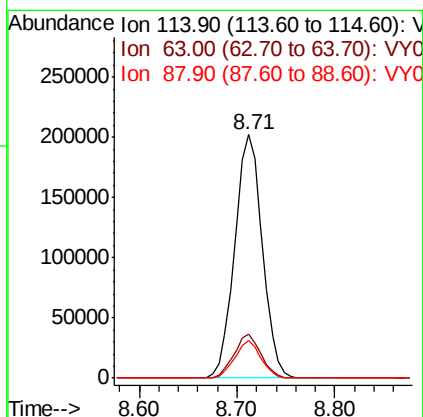
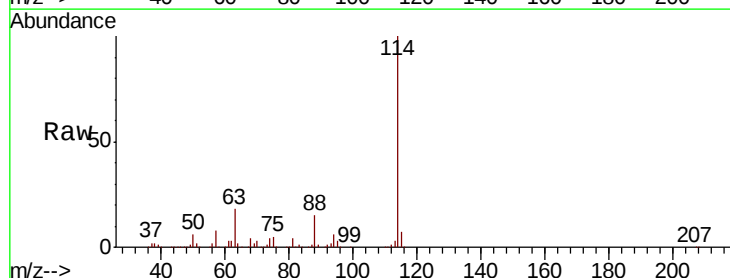
Instrument :
 MSVOA_Y
 ClientSampleId :

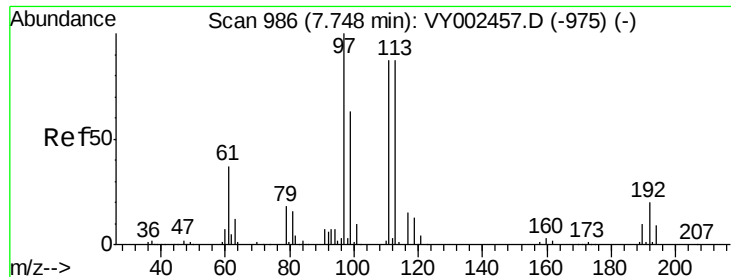
Tot Ion: 65 Resp: 126563
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 104.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1144
 Delta R.T. 0.00 min
 Lab File: VY002472.D
 Acq: 23 Apr 2020 20:01

Tgt Ion: 114 Resp: 394245
 Ion Ratio Lower Upper
 114 100
 63 18.2 0.0 35.6
 88 15.3 0.0 29.4





#35

Dibromofluoromethane

Concen: 53.084 ug/l

RT: 7.75 min Scan# 986

Delta R.T. 0.00 min

Lab File: VY002472.D

Acq: 23 Apr 2020 20:01

Instrument :
MSVOA_Y
ClientSampleId :

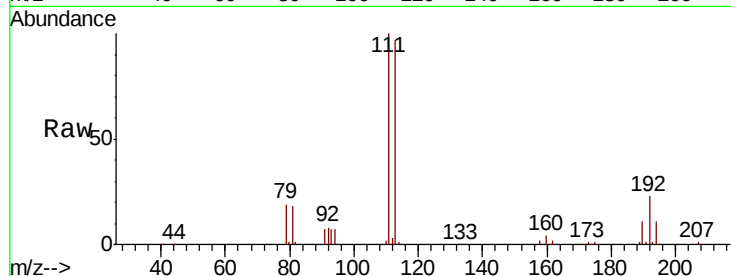
Tot Ion:113 Resp: 118046

Ion Ratio Lower Upper

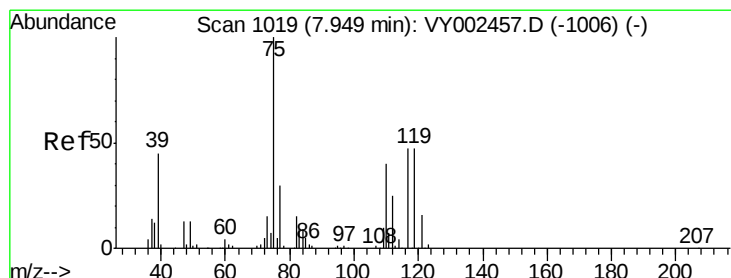
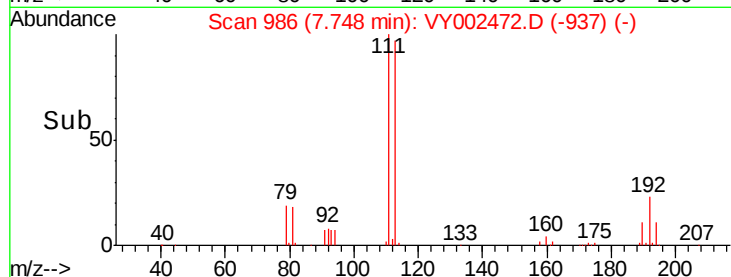
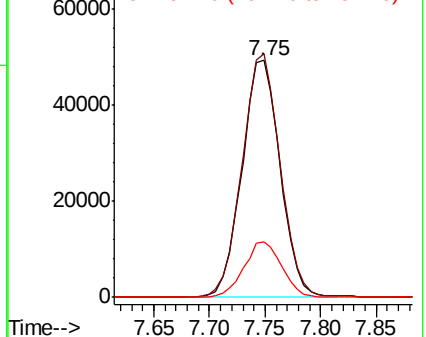
113 100

111 102.5 81.0 121.4

192 23.1 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: 4.679 ug/l

RT: 7.82 min Scan# 997

Delta R.T. -0.13 min

Lab File: VY002472.D

Acq: 23 Apr 2020 20:01

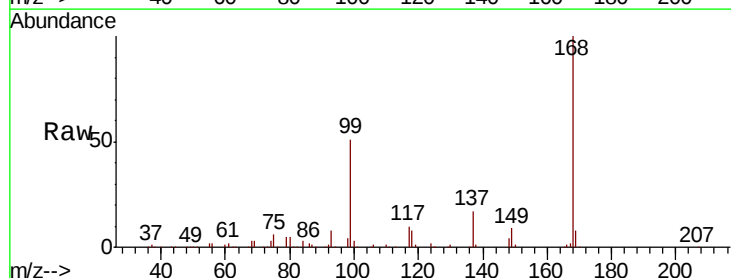
Tgt Ion: 75 Resp: 15816

Ion Ratio Lower Upper

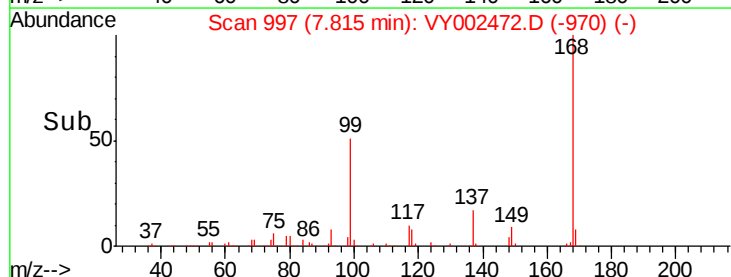
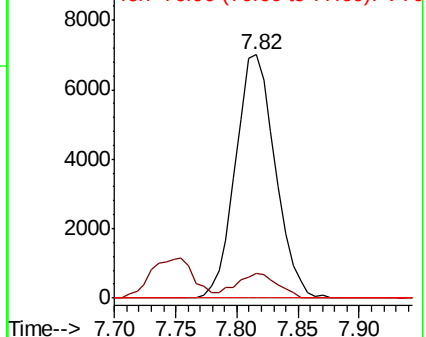
75 100

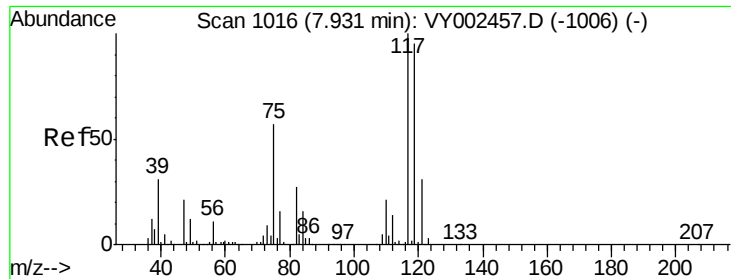
110 10.3 19.4 58.4#

77 0.0 24.7 37.1#



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

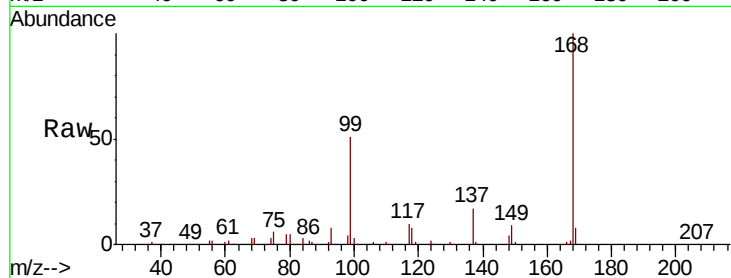




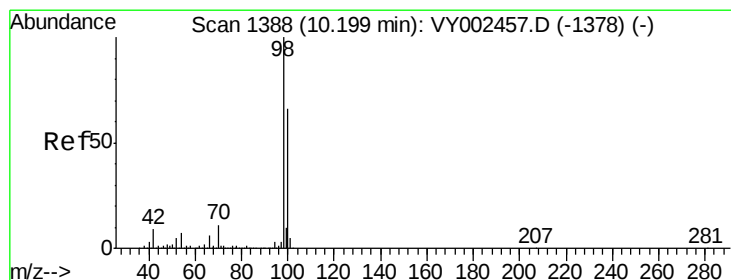
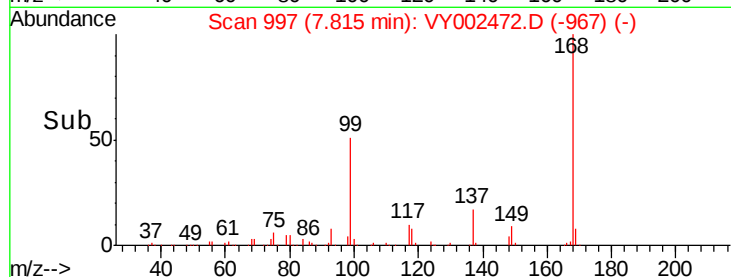
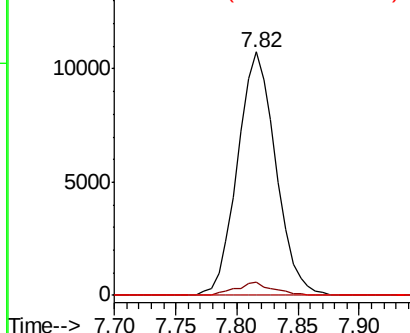
#38
Carbon Tetrachloride
Concen: 6.000 ug/l
RT: 7.82 min Scan# 997
Delta R.T. -0.12 min
Lab File: VY002472.D
Acq: 23 Apr 2020 20:01

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:117 Resp: 23323
Ion Ratio Lower Upper
117 100
119 5.5 75.9 113.9#
121 0.0 24.5 36.7#

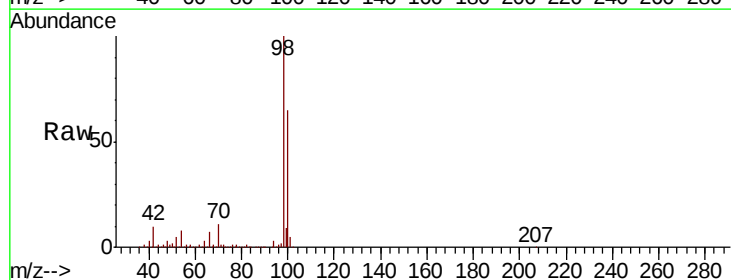


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

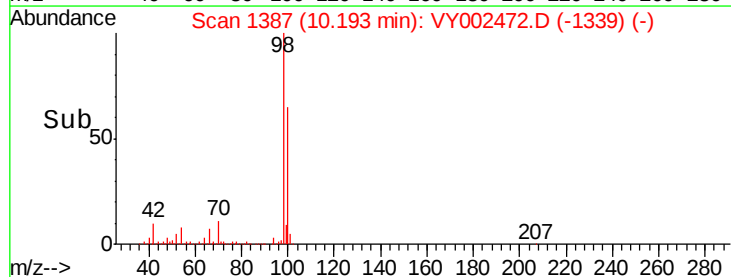
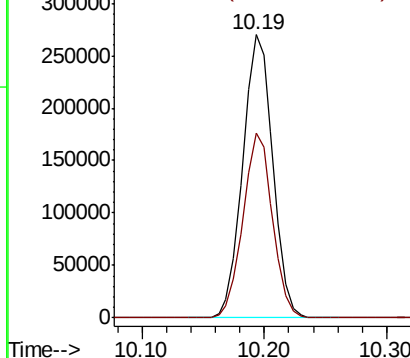


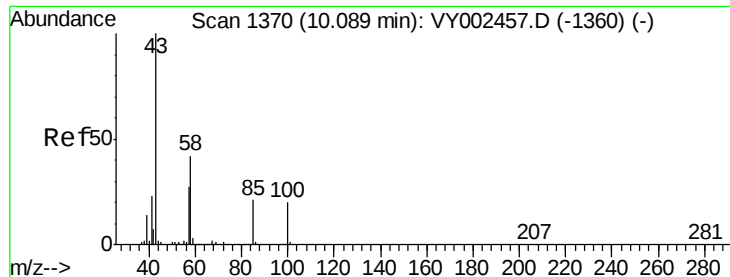
#50
Toluene-d8
Concen: 51.427 ug/l
RT: 10.19 min Scan# 1387
Delta R.T. -0.01 min
Lab File: VY002472.D
Acq: 23 Apr 2020 20:01

Tgt Ion: 98 Resp: 459646
Ion Ratio Lower Upper
98 100
100 64.1 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VY0
Ion 100.00 (99.70 to 100.70): VY





#51

4-Methyl-2-Pentanone

Concen: 1.099 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. 0.10 min

Lab File: VY002472.D

Acq: 23 Apr 2020 20:01

Instrument :

MSVOA_Y

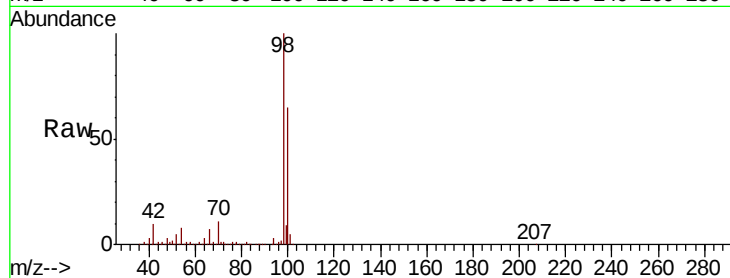
ClientSampleId :

Tot Ion: 43 Resp: 1813

Ion Ratio Lower Upper

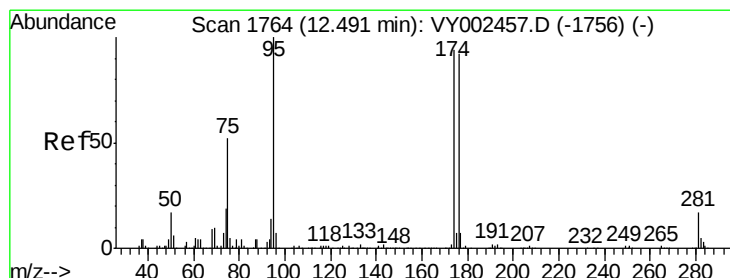
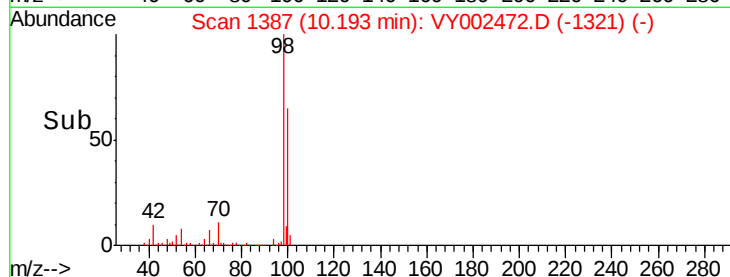
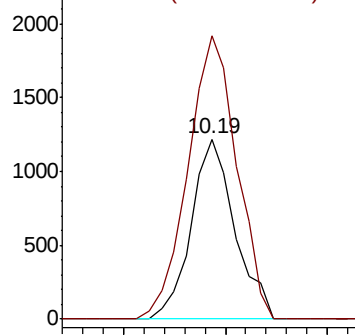
43 100

58 175.8 33.2 49.8#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#62

4-Bromofluorobenzene

Concen: 47.685 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VY002472.D

Acq: 23 Apr 2020 20:01

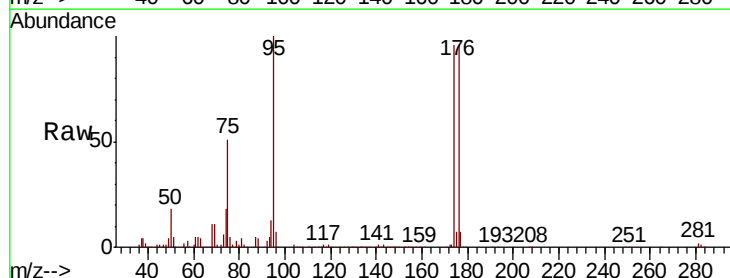
Tgt Ion: 95 Resp: 143006

Ion Ratio Lower Upper

95 100

174 97.4 0.0 193.0

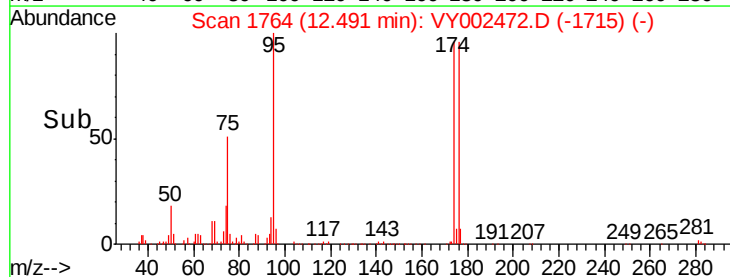
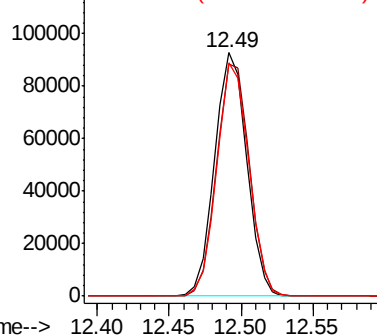
176 95.0 0.0 190.4

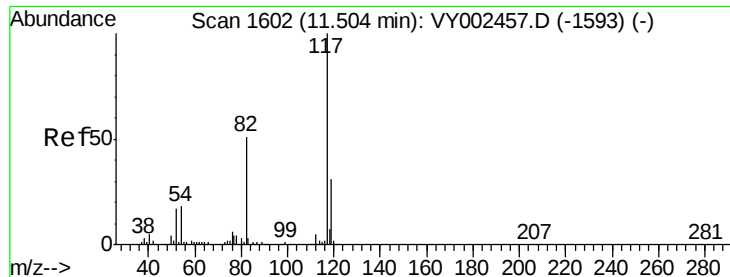


Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

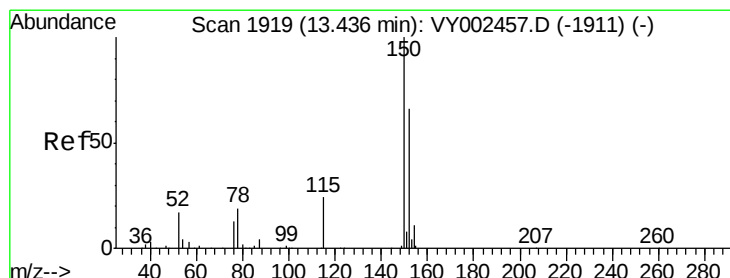
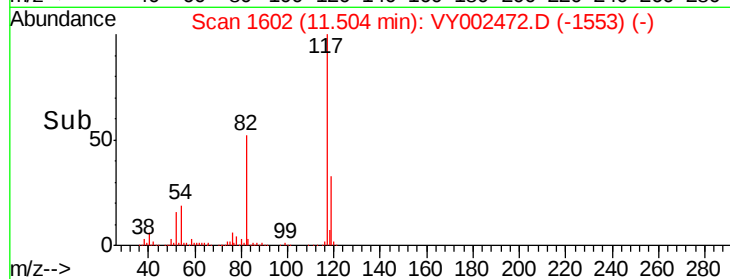
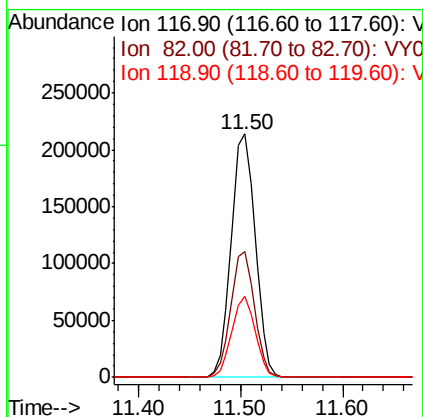
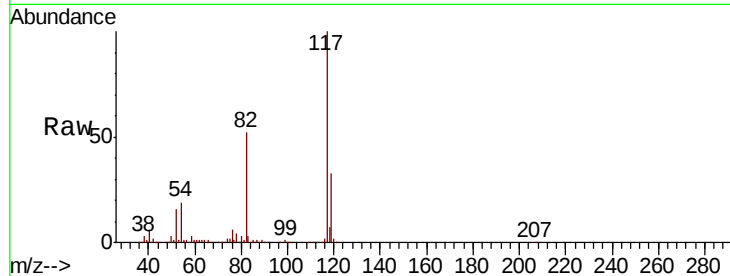




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.00 min
Lab File: VY002472.D
Acq: 23 Apr 2020 20:01

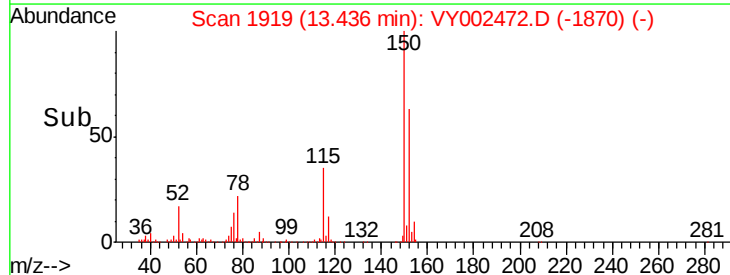
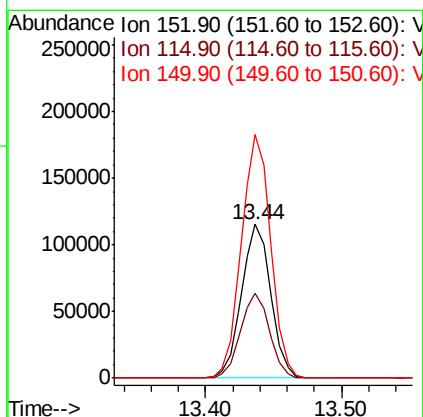
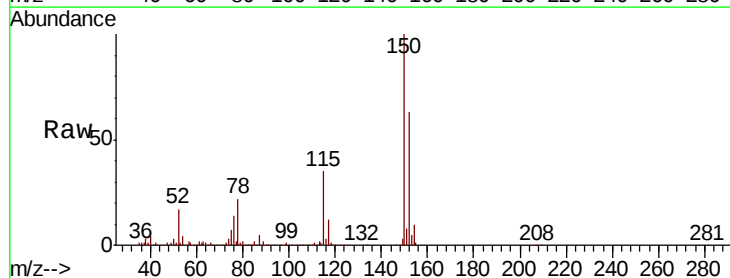
Instrument :
MSVOA_Y
ClientSampleId :

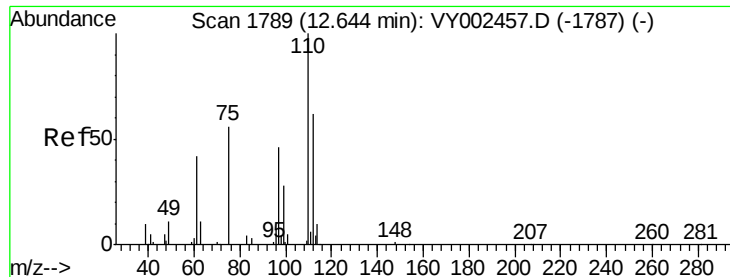
Tot Ion:117 Resp: 349266
Ion Ratio Lower Upper
117 100
82 51.8 40.8 61.2
119 33.2 25.2 37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.44 min Scan# 1919
Delta R.T. 0.00 min
Lab File: VY002472.D
Acq: 23 Apr 2020 20:01

Tgt Ion:152 Resp: 173052
Ion Ratio Lower Upper
152 100
115 54.7 27.3 81.8
150 158.6 0.0 346.8





#76

1,2,3-Trichloropropane

Concen: 49.717 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.15 min

Lab File: VY002472.D

Acq: 23 Apr 2020 20:01

Instrument :

MSVOA_Y

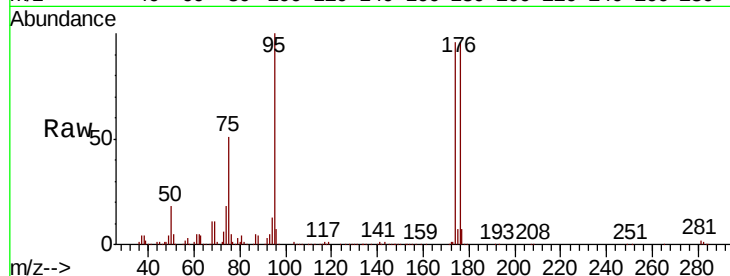
ClientSampleId :

Tot Ion: 75 Resp: 72920

Ion Ratio Lower Upper

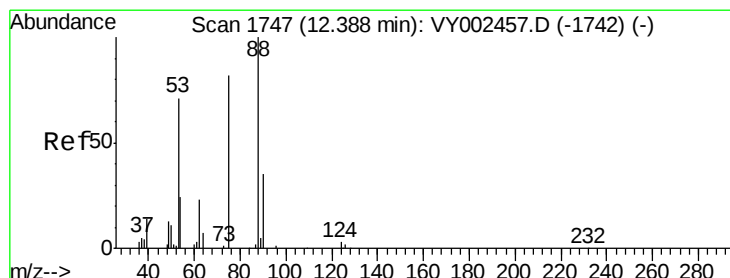
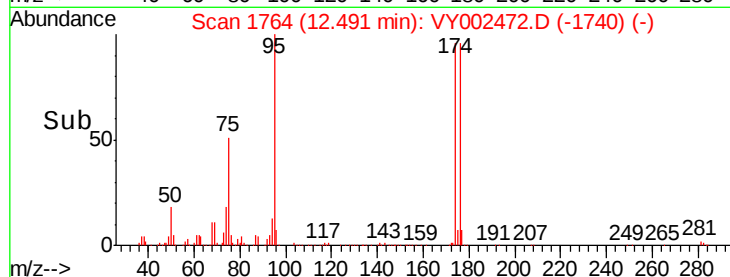
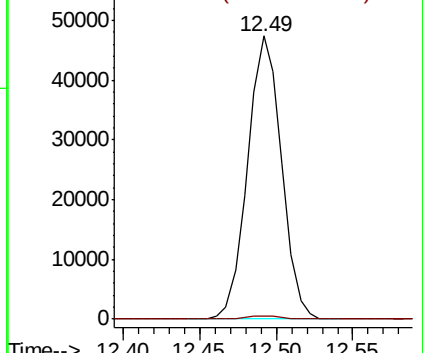
75 100

77 1.1 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: 92.000 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.10 min

Lab File: VY002472.D

Acq: 23 Apr 2020 20:01

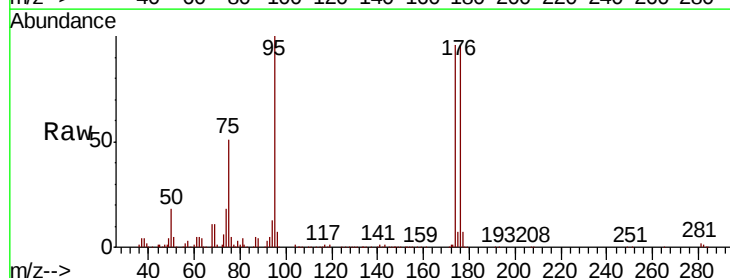
Tgt Ion: 75 Resp: 72920

Ion Ratio Lower Upper

75 100

53 0.0 70.0 105.0#

89 0.0 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

