

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY022120\
 Data File : VY001745.D
 Acq On : 21 Feb 2020 16:11
 Operator : SY/MD
 Sample : L1623-10
 Misc : 6.22G/5ML/MSVOA Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 22 03:43:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y021720S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 17 12:19:53 2020
 Response via : Initial Calibration

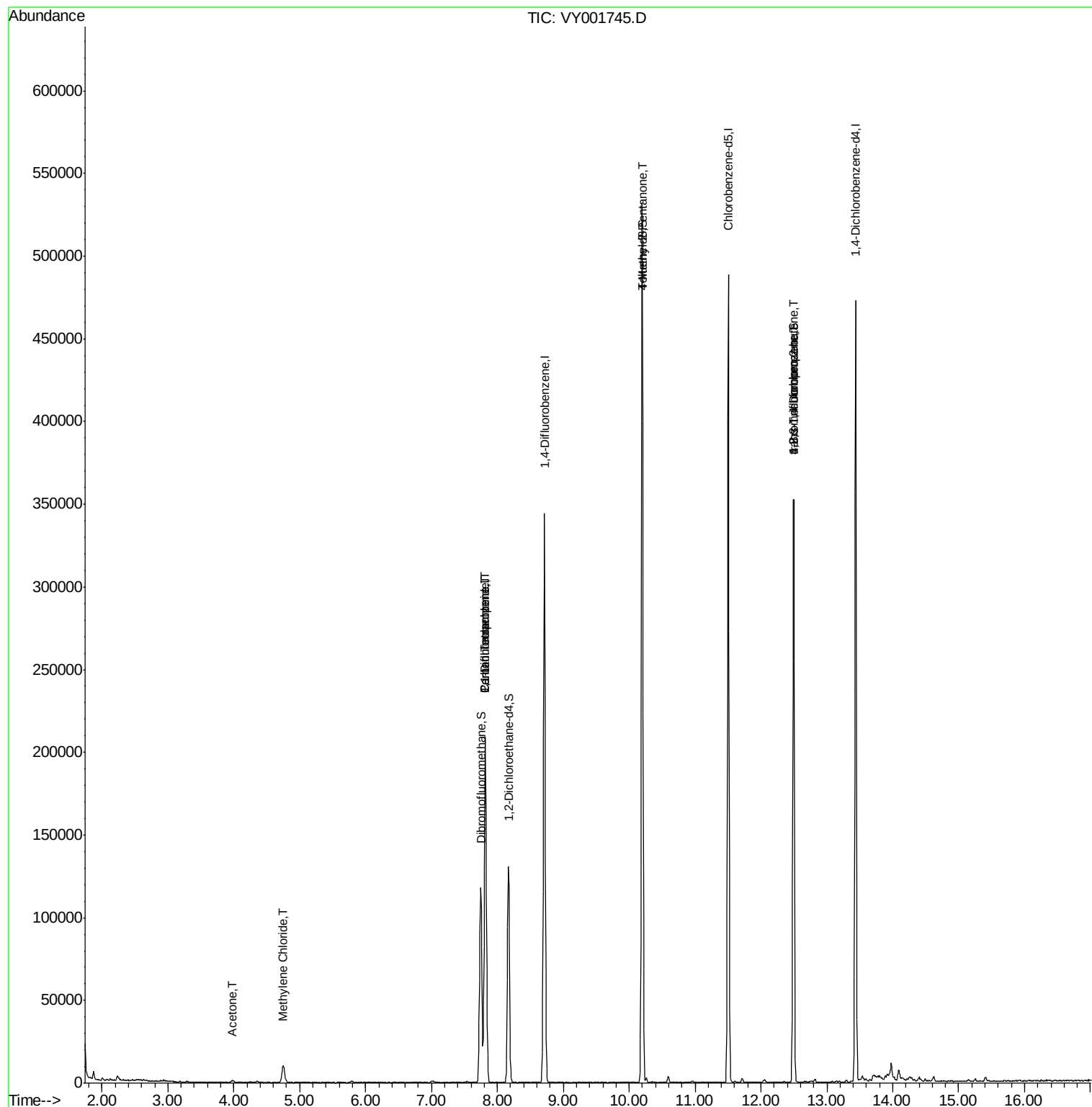
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	155956	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	293108	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	256790	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	112773	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.17	65	96743	57.67	ug/l	0.00
Spiked Amount 50.000			Recovery	=	115.34%	
35) Dibromofluoromethane	7.75	113	84611	50.40	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.80%	
50) Toluene-d8	10.20	98	349893	53.20	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.40%	
62) 4-Bromofluorobenzene	12.49	95	117665	46.05	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.10%	
Target Compounds						
					Qvalue	
16) Acetone	3.98	43	2258	3.890	ug/l	96
20) Methylene Chloride	4.74	84	7290	3.536	ug/l #	92
36) 1,1-Dichloropropene	7.82	75	13361	4.772	ug/l #	49
38) Carbon Tetrachloride	7.82	117	16047	6.525	ug/l #	16
51) 4-Methyl-2-Pentanone	10.20	43	1654	1.015	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.87	63	26	Below Cal	#	48
76) 1,2,3-Trichloropropane	12.49	75	60173	46.514	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	60173	88.245	ug/l #	17

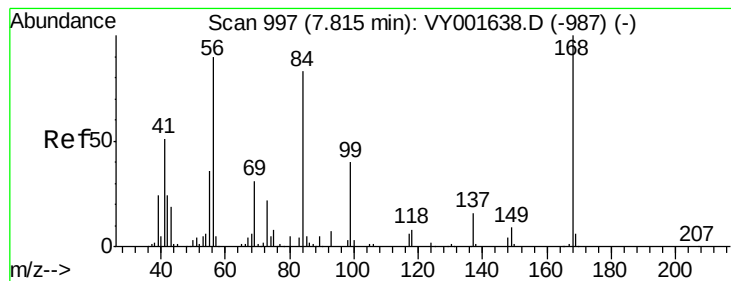
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Feb 17 12:19:53 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 998

Delta R.T. 0.01 min

Lab File: VY001745.D

Acq: 21 Feb 2020 16:11

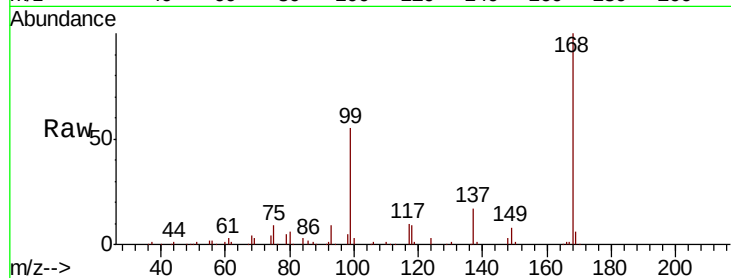
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:168 Resp: 155956

Ion Ratio Lower Upper

168 100

99 55.4 47.5 71.3



Abundance Ion 167.90 (167.60 to 168.60): VY001638.D (-987) (-)

Ion 98.90 (98.60 to 99.60): VY001638.D (-987) (-)

7.82

80000

60000

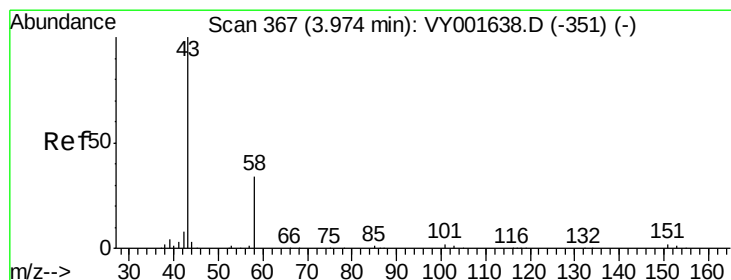
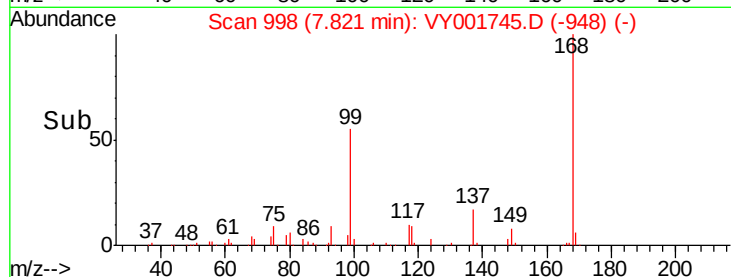
40000

20000

0

7.70 7.80 7.90

Time-->



#16

Acetone

Concen: 3.890 ug/l

RT: 3.98 min Scan# 368

Delta R.T. 0.01 min

Lab File: VY001745.D

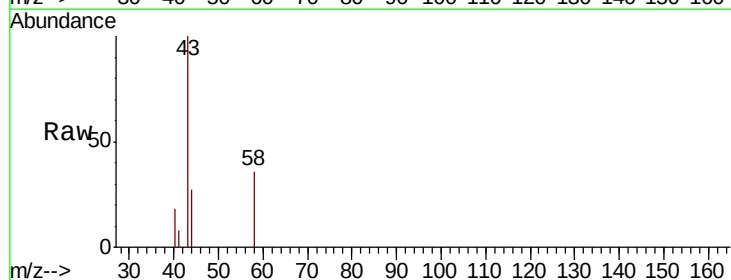
Acq: 21 Feb 2020 16:11

Tgt Ion: 43 Resp: 2258

Ion Ratio Lower Upper

43 100

58 36.2 27.3 40.9



Abundance Ion 43.00 (42.70 to 43.70): VY001638.D (-351) (-)

Ion 58.00 (57.70 to 58.70): VY001638.D (-351) (-)

3.98

1000

800

600

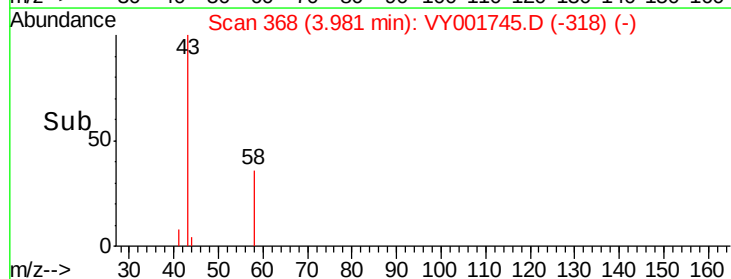
400

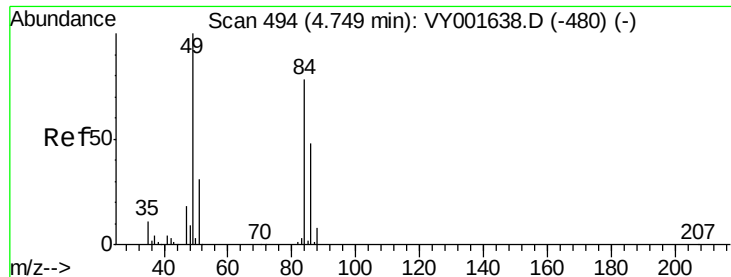
200

0

3.90 3.95 4.00 4.05

Time-->

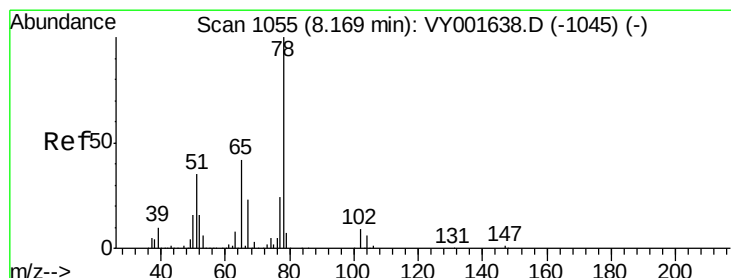
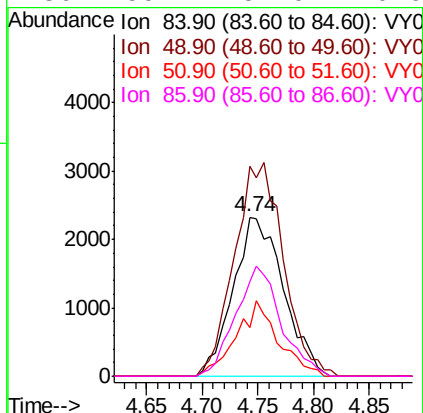
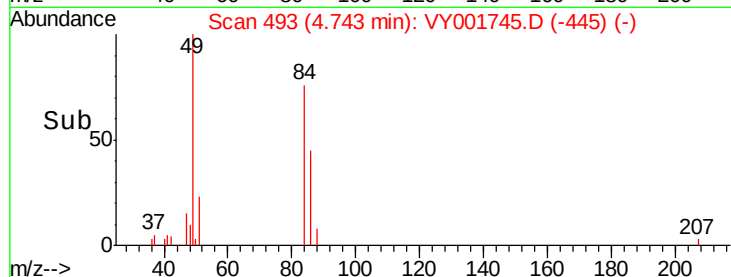
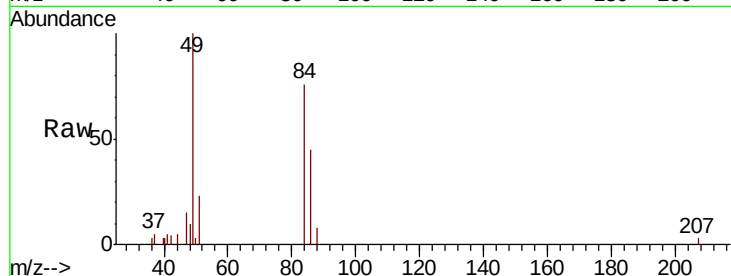




#20
Methylene Chloride
Concen: 3.536 ug/l
RT: 4.74 min Scan# 493
Delta R.T. -0.01 min
Lab File: VY001745.D
Acq: 21 Feb 2020 16:11

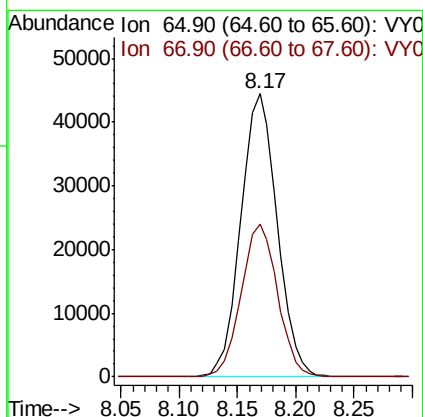
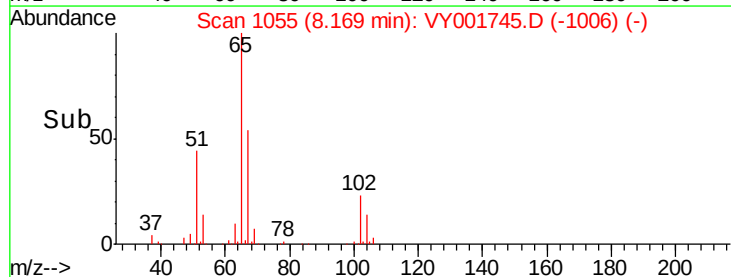
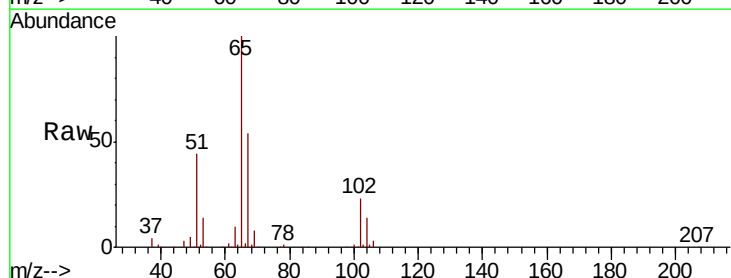
Instrument :
MSVOA_Y
ClientSampled :

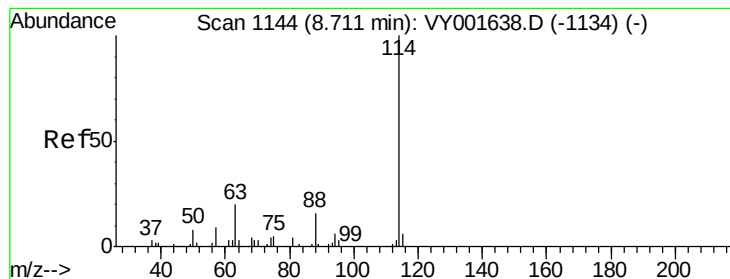
Tot Ion: 84 Resp: 7290
Ion Ratio Lower Upper
84 100
49 132.4 99.2 148.8
51 30.7 31.5 47.3#
86 59.7 51.0 76.6



#33
1,2-Dichloroethane-d4
Concen: 57.670 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. 0.00 min
Lab File: VY001745.D
Acq: 21 Feb 2020 16:11

Tgt Ion: 65 Resp: 96743
Ion Ratio Lower Upper
65 100
67 54.0 0.0 111.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.71 min Scan# 1144

Delta R.T. 0.00 min

Lab File: VY001745.D

Acq: 21 Feb 2020 16:11

Instrument :

MSVOA_Y

ClientSampleId :

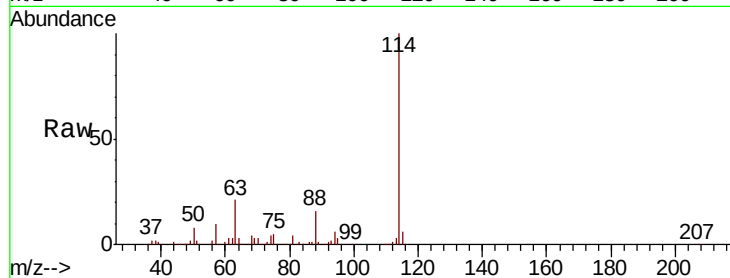
Tot Ion:114 Resp: 293108

Ion Ratio Lower Upper

114 100

63 20.6 0.0 41.4

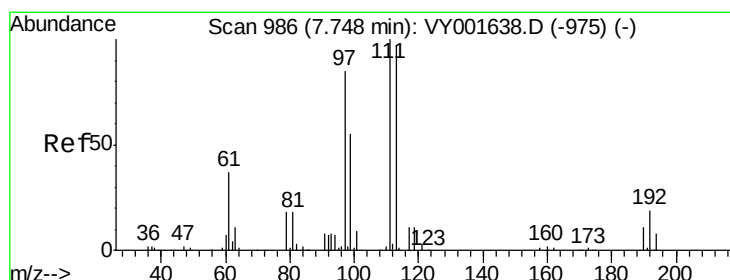
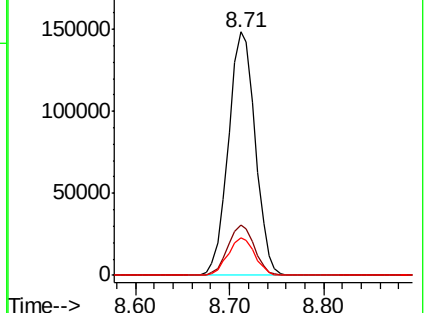
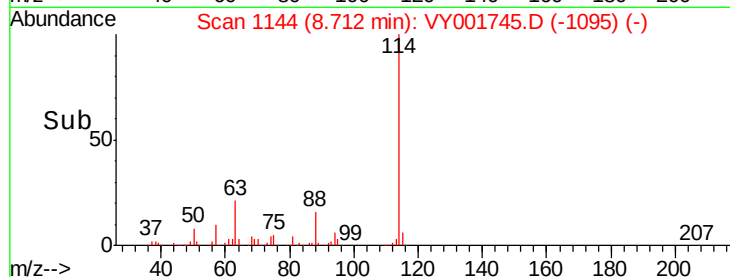
88 15.7 0.0 32.8



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: 50.400 ug/l

RT: 7.75 min Scan# 986

Delta R.T. 0.00 min

Lab File: VY001745.D

Acq: 21 Feb 2020 16:11

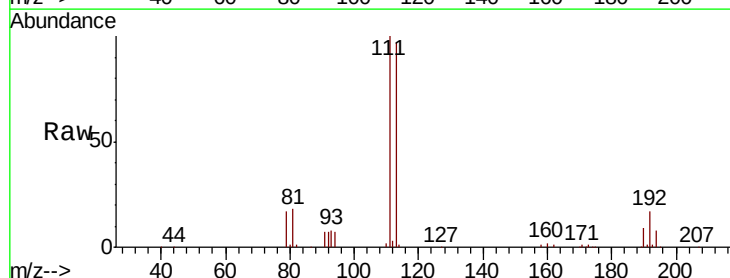
Tgt Ion:113 Resp: 84611

Ion Ratio Lower Upper

113 100

111 103.5 81.9 122.9

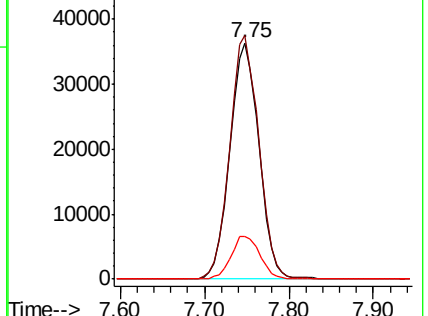
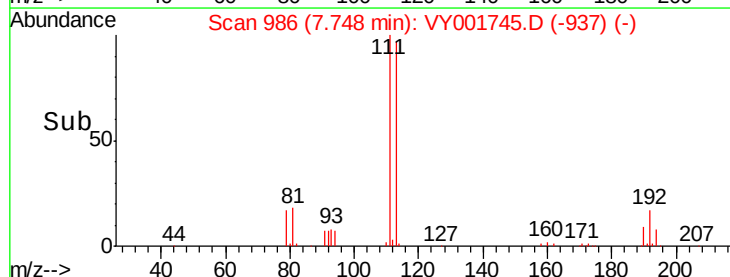
192 18.1 14.3 21.5

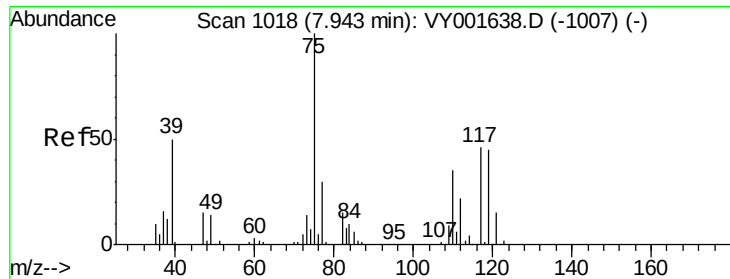


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

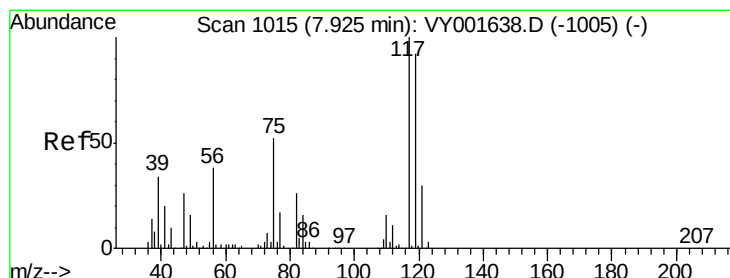
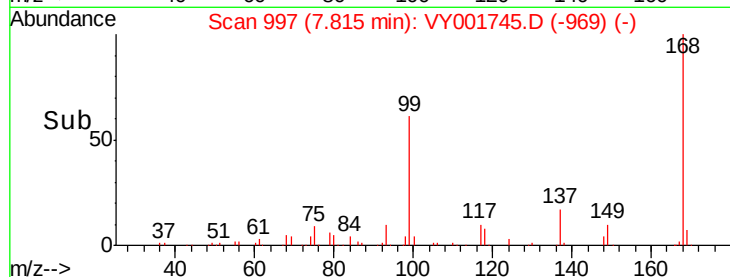
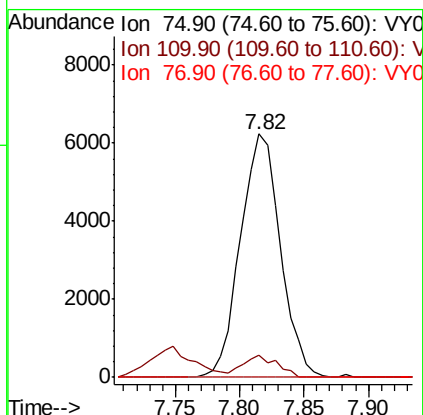
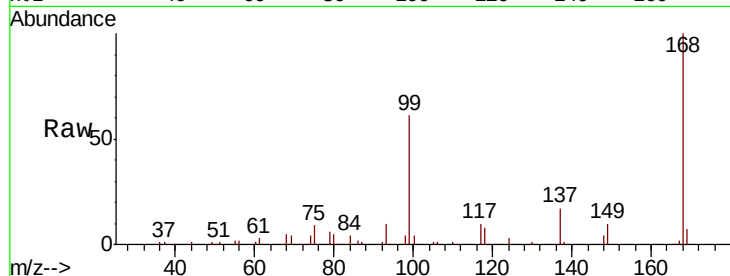




#36
 1,1-Dichloropropene
 Concen: 4.772 ug/l
 RT: 7.82 min Scan# 997
 Delta R.T. -0.13 min
 Lab File: VY001745.D
 Acq: 21 Feb 2020 16:11

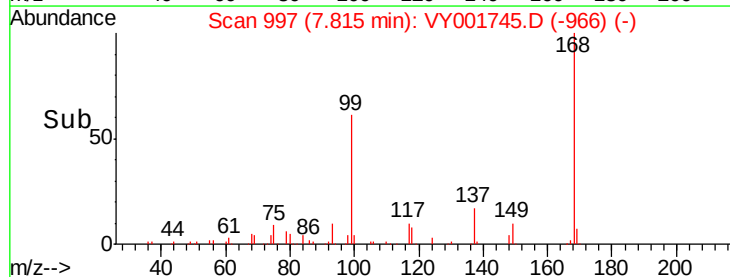
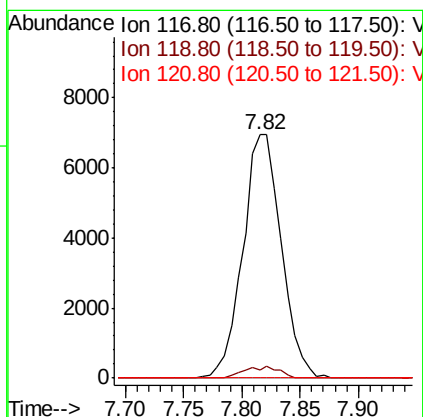
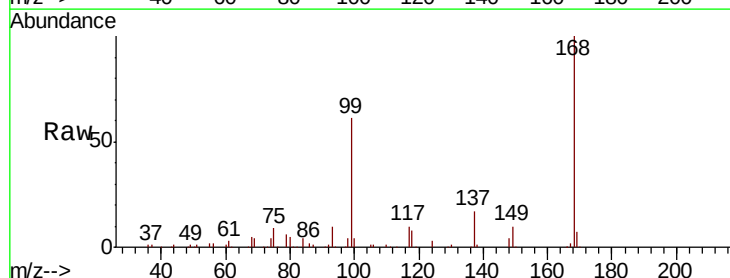
Instrument :
 MSVOA_Y
 ClientSampleId :

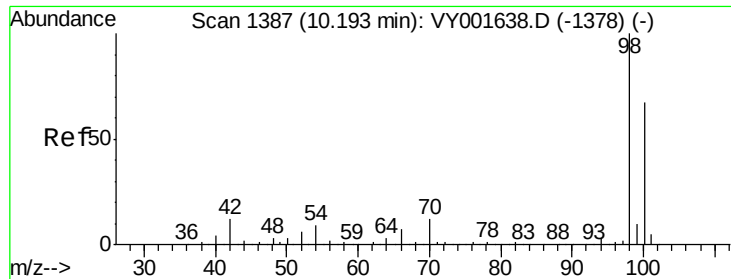
Tot Ion	75	Resp	13361
Ion Ratio	100	Lower	Upper
75	100		
110	7.7	17.2	51.6#
77	0.0	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 6.525 ug/l
 RT: 7.82 min Scan# 997
 Delta R.T. -0.11 min
 Lab File: VY001745.D
 Acq: 21 Feb 2020 16:11

Tgt Ion	117	Resp	16047
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
117	100		
119	3.5	74.8	112.2#
121	0.0	23.8	35.6#





#50

Toluene-d8

Concen: 53.199 ug/l

RT: 10.20 min Scan# 1388

Delta R.T. 0.01 min

Lab File: VY001745.D

Acq: 21 Feb 2020 16:11

Instrument :

MSVOA_Y

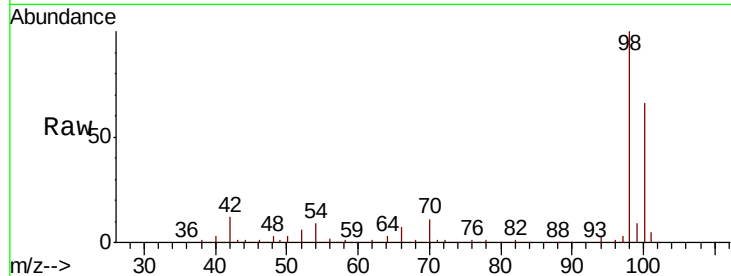
ClientSampleId :

Tot Ion: 98 Resp: 349893

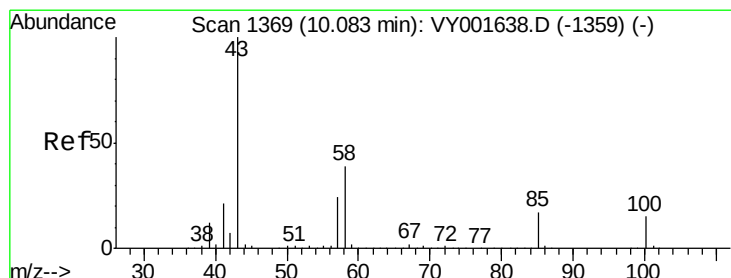
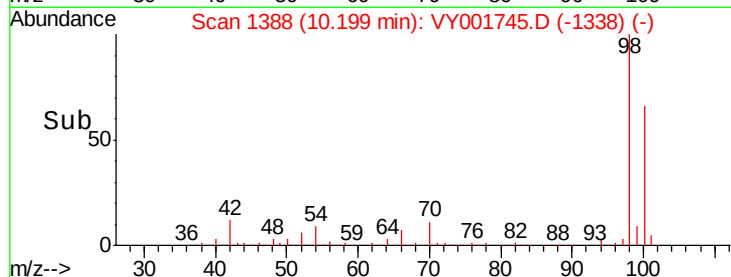
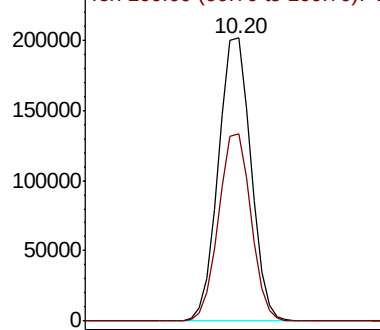
Ion Ratio Lower Upper

98 100

100 65.9 53.0 79.4



Abundance Ion 98.00 (97.70 to 98.70): VY001638.D (-1378) (-)



#51

4-Methyl-2-Pentanone

Concen: 1.015 ug/l

RT: 10.20 min Scan# 1388

Delta R.T. 0.12 min

Lab File: VY001745.D

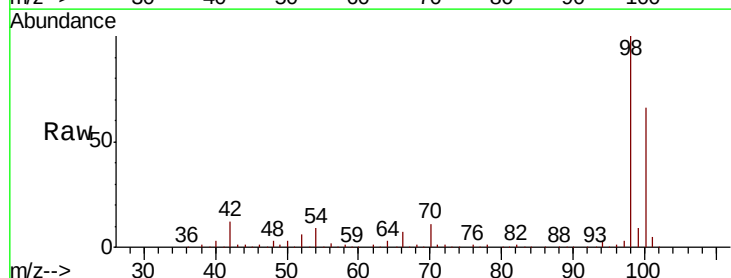
Acq: 21 Feb 2020 16:11

Tgt Ion: 43 Resp: 1654

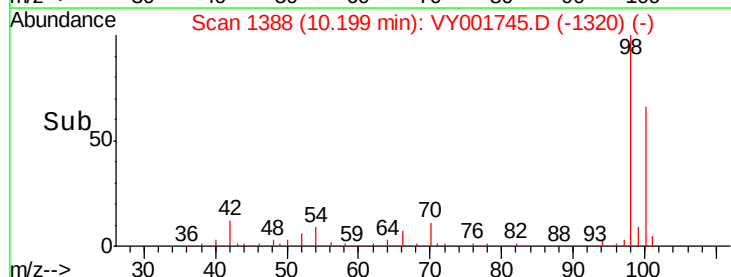
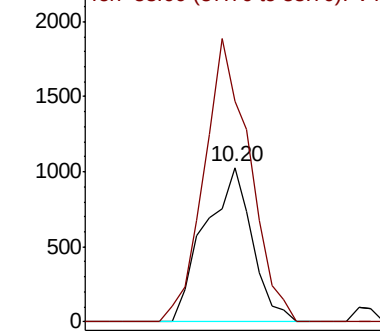
Ion Ratio Lower Upper

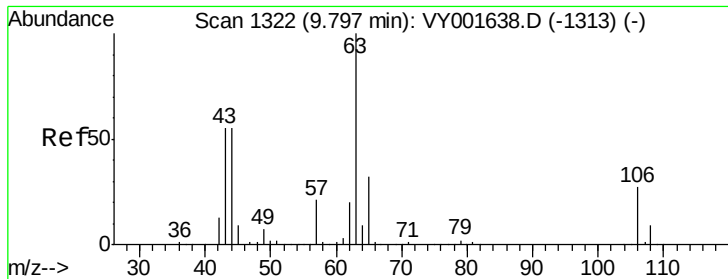
43 100

58 176.1 32.2 48.4#



Abundance Ion 43.00 (42.70 to 43.70): VY001638.D (-1359) (-)

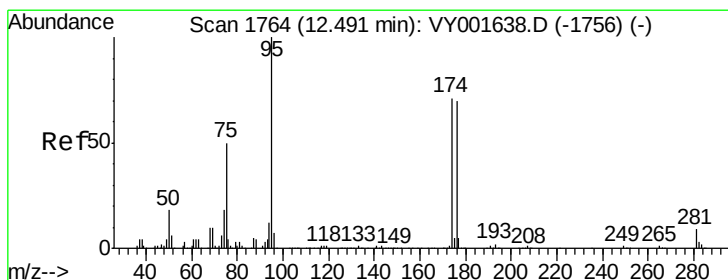
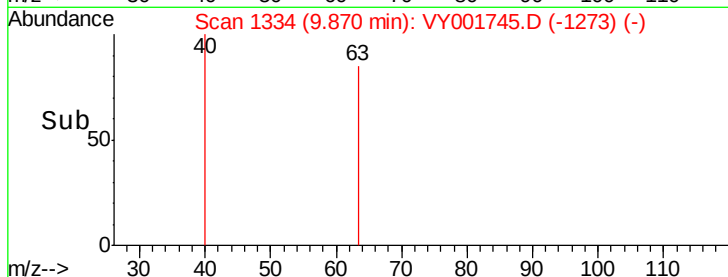
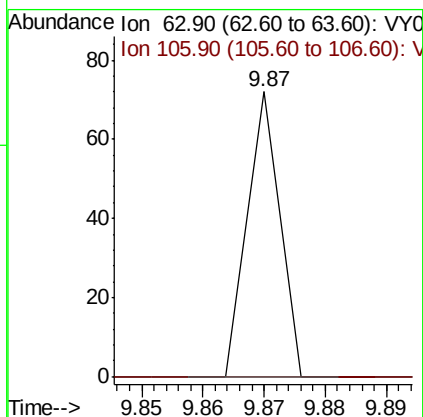
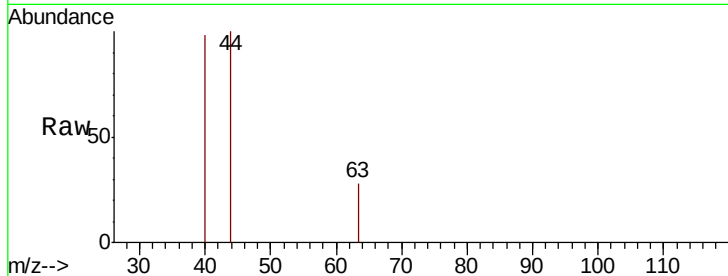




#58
2-Chloroethyl Vinyl ether
Concen: Below Cal
RT: 9.87 min Scan# 1334
Delta R.T. 0.07 min
Lab File: VY001745.D
Acq: 21 Feb 2020 16:11

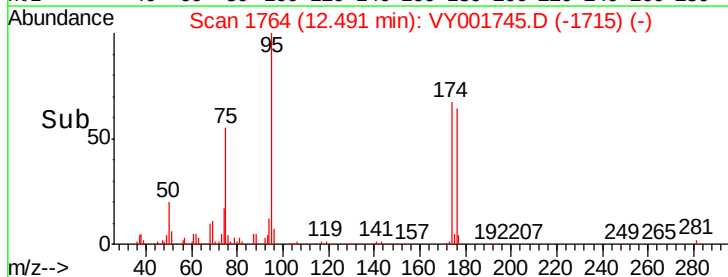
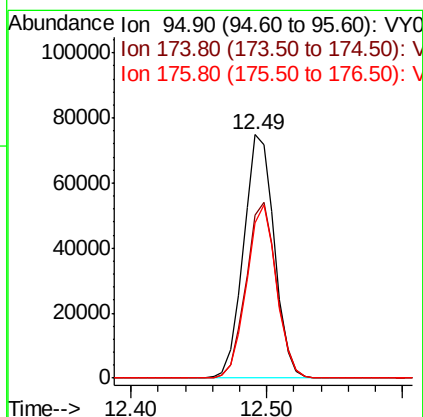
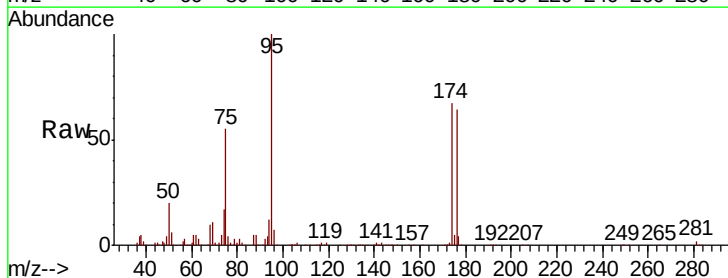
Instrument :
MSVOA_Y
ClientSampleId :

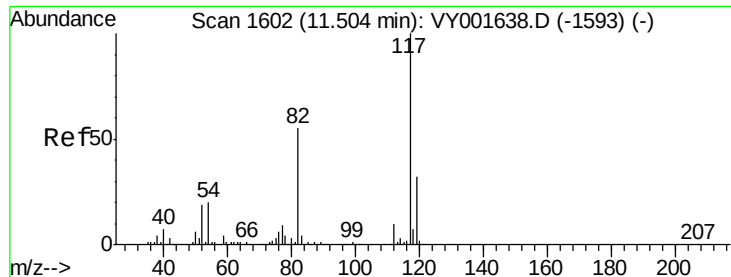
Tot Ion: 63 Resp: 26
Ion Ratio Lower Upper
63 100
106 0.0 21.6 32.4#



#62
4-Bromofluorobenzene
Concen: 46.051 ug/l
RT: 12.49 min Scan# 1764
Delta R.T. 0.00 min
Lab File: VY001745.D
Acq: 21 Feb 2020 16:11

Tgt Ion: 95 Resp: 117665
Ion Ratio Lower Upper
95 100
174 71.9 0.0 138.4
176 69.6 0.0 131.8

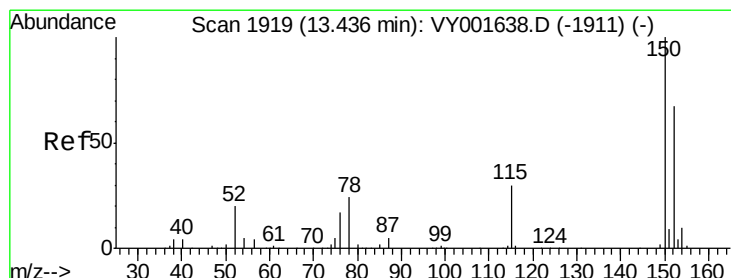
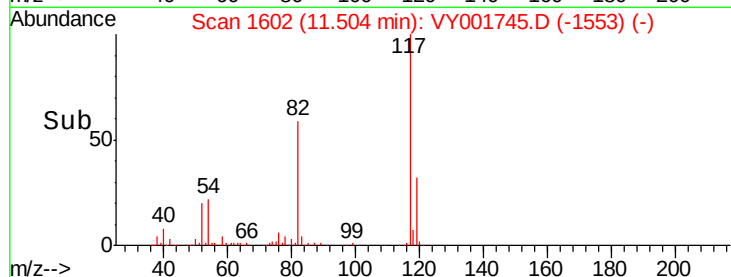
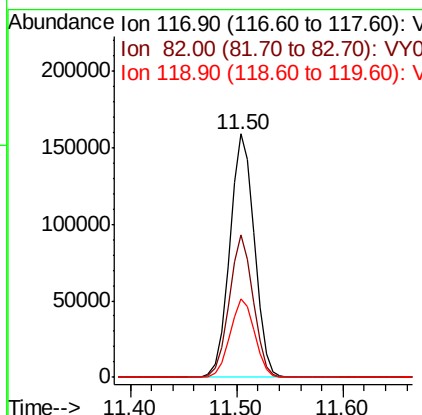
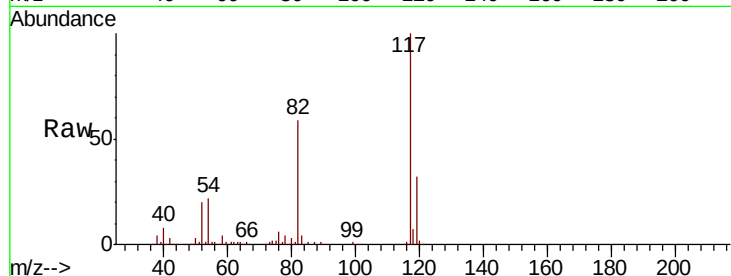




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.00 min
Lab File: VY001745.D
Acq: 21 Feb 2020 16:11

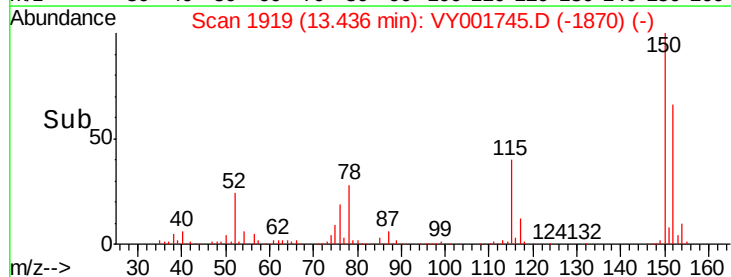
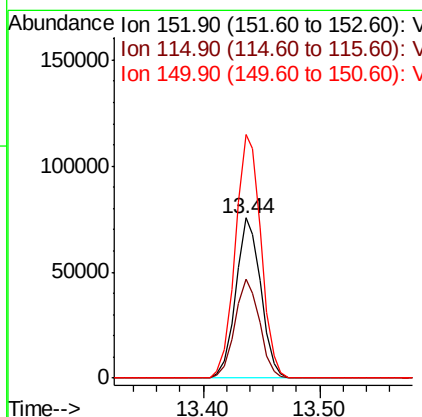
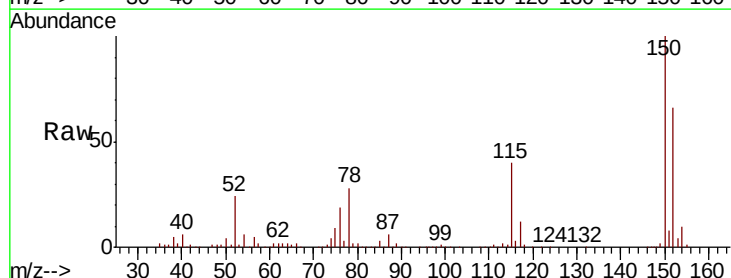
Instrument :
MSVOA_Y
ClientSampleId :

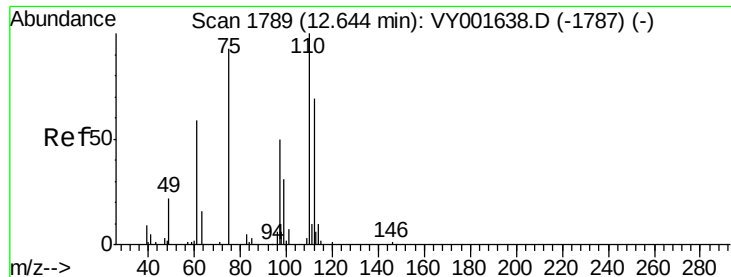
Tot Ion:117 Resp: 256790
Ion Ratio Lower Upper
117 100
82 58.7 45.5 68.3
119 32.2 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.44 min Scan# 1919
Delta R.T. 0.00 min
Lab File: VY001745.D
Acq: 21 Feb 2020 16:11

Tgt Ion:152 Resp: 112773
Ion Ratio Lower Upper
152 100
115 61.4 31.4 94.2
150 156.1 0.0 407.2





#76

1,2,3-Trichloropropane

Concen: 46.514 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.15 min

Lab File: VY001745.D

Acq: 21 Feb 2020 16:11

Instrument :

MSVOA_Y

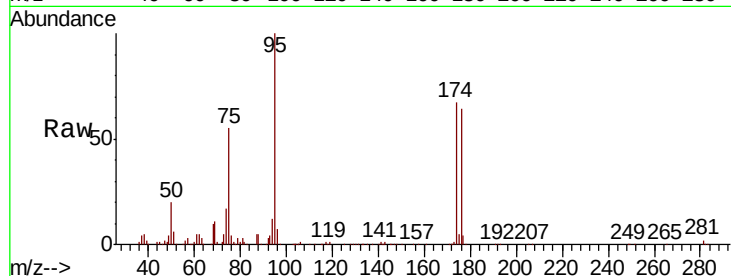
ClientSampled :

Tot Ion: 75 Resp: 60173

Ion Ratio Lower Upper

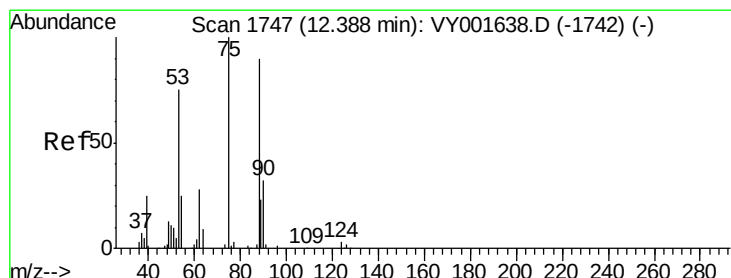
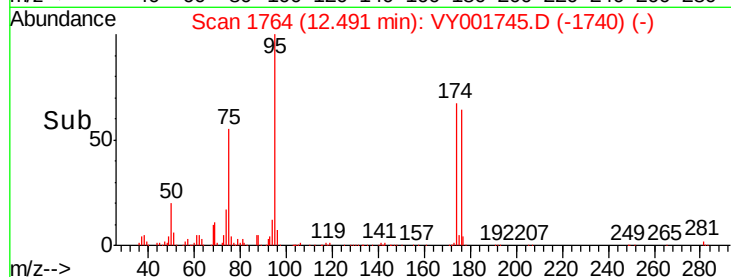
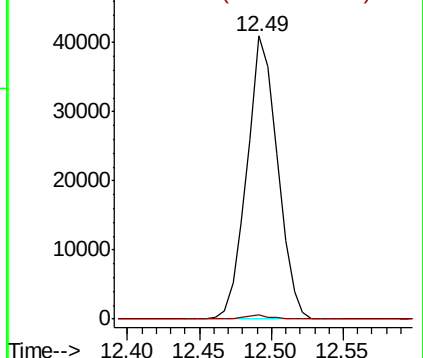
75 100

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: 88.245 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.10 min

Lab File: VY001745.D

Acq: 21 Feb 2020 16:11

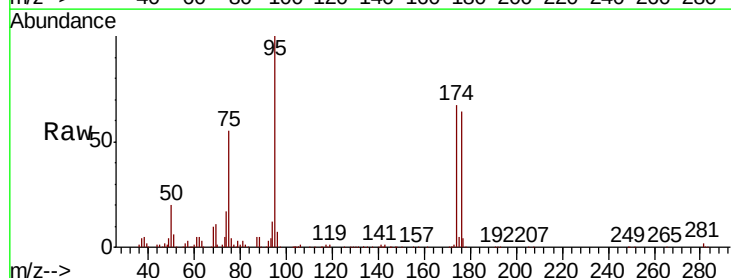
Tgt Ion: 75 Resp: 60173

Ion Ratio Lower Upper

75 100

53 0.0 64.5 96.7#

89 0.2 36.3 54.5#



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

