

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY112020\
 Data File : VY003572.D
 Acq On : 20 Nov 2020 16:55
 Operator : SY/MD
 Sample : L4836-04
 Misc : 6.49G/5ML/MSVOA Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 21 01:53:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y112020S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 21 01:00:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	95870	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	219721	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	202946	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	88541	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.14	65	75746	76.09	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	152.18%
35) Dibromofluoromethane	7.72	113	78202	54.15	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	108.30%
50) Toluene-d8	10.18	98	264278	47.06	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	94.12%
62) 4-Bromofluorobenzene	12.48	95	80129	44.96	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	89.92%

Target Compounds

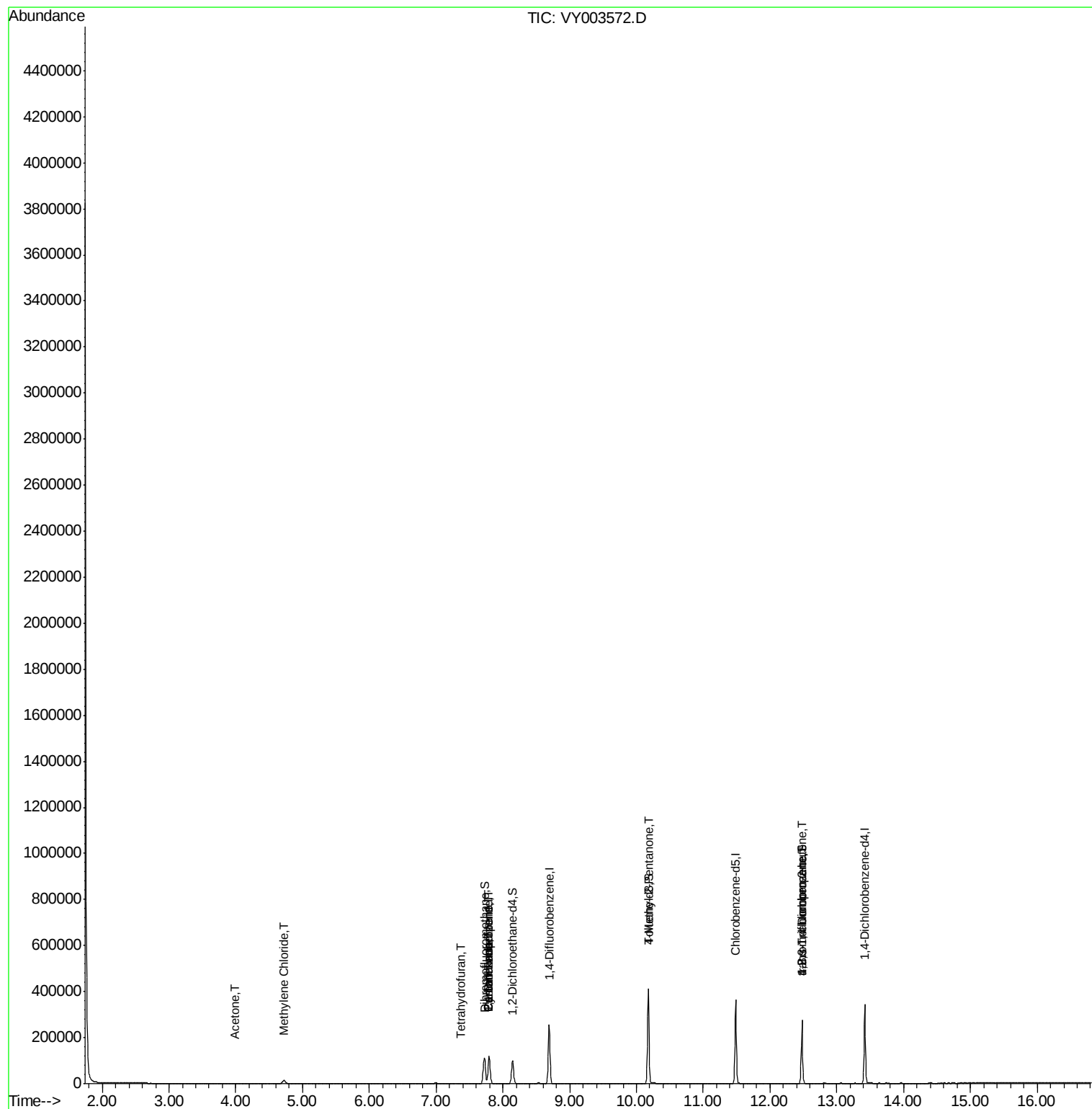
					Qvalue	
16) Acetone	3.97	43	1030	3.099	ug/l #	45
20) Methylene Chloride	4.72	84	11038	5.156	ug/l	93
29) Tetrahydrofuran	7.36	42	1103	4.882	ug/l #	80
31) Cyclohexane	7.79	56	1930	1.341	ug/l #	1
36) 1,1-Dichloropropene	7.79	75	6741	3.116	ug/l #	48
38) Carbon Tetrachloride	7.80	117	8608	4.296	ug/l #	14
51) 4-Methyl-2-Pentanone	10.17	43	1300	1.133	ug/l #	1
76) 1,2,3-Trichloropropane	12.48	75	42113	49.060	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	42113	77.991	ug/l #	14

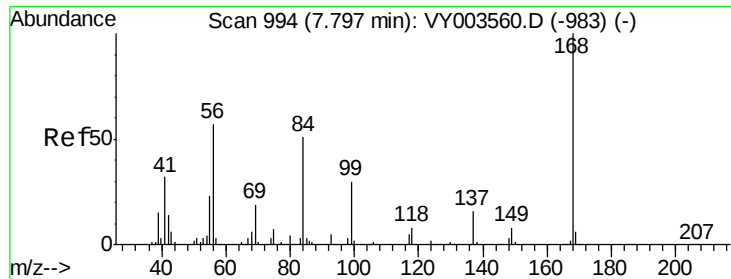
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Nov 21 01:00:42 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.00 min

Lab File: VY003572.D

Acq: 20 Nov 2020 16:55

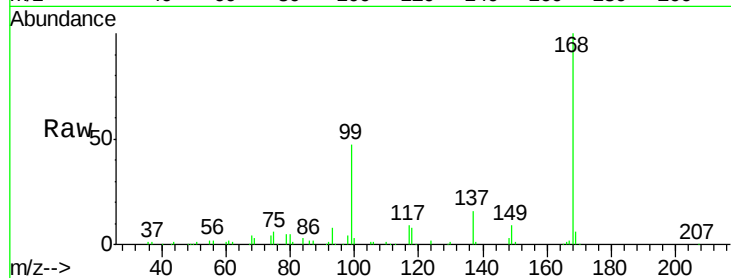
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:168 Resp: 95870

Ion Ratio Lower Upper

168 100

99 47.0 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): VY003560.D (-983) (-)

Ion 98.90 (98.60 to 99.60): VY003560.D (-983) (-)

7.80

40000

30000

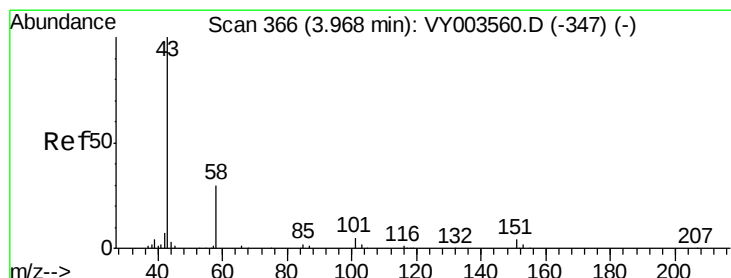
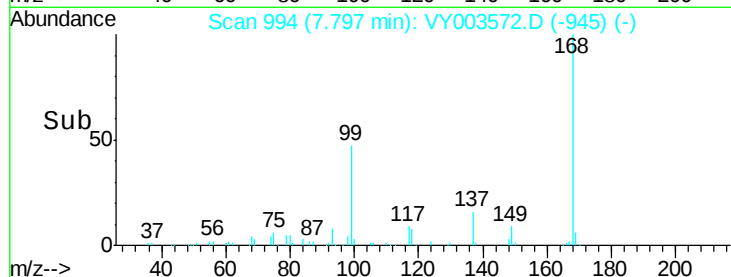
20000

10000

0

7.70 7.80 7.90

Time-->



#16

Acetone

Concen: 3.099 ug/l

RT: 3.97 min Scan# 367

Delta R.T. 0.01 min

Lab File: VY003572.D

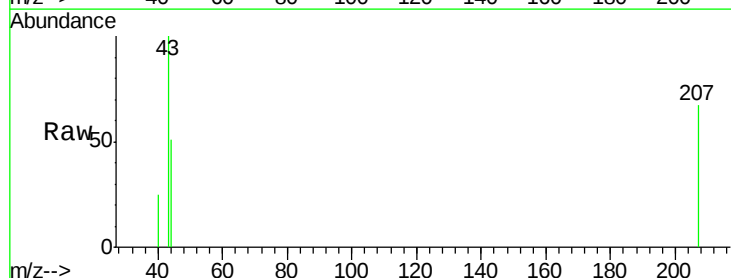
Acq: 20 Nov 2020 16:55

Tgt Ion: 43 Resp: 1030

Ion Ratio Lower Upper

43 100

58 0.0 23.8 35.8#



Abundance Ion 43.00 (42.70 to 43.70): VY003560.D (-347) (-)

Ion 58.00 (57.70 to 58.70): VY003560.D (-347) (-)

3.97

400

300

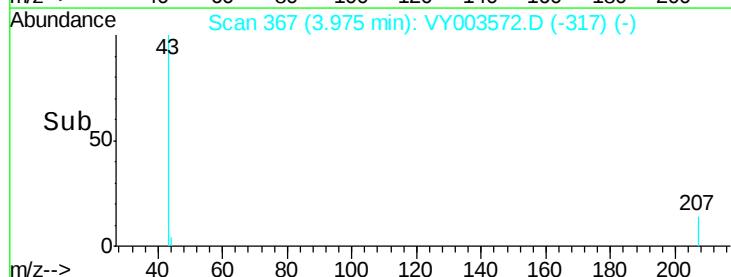
200

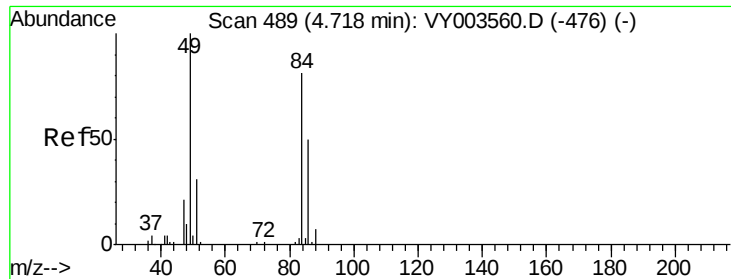
100

0

3.90 3.95 4.00 4.05

Time-->

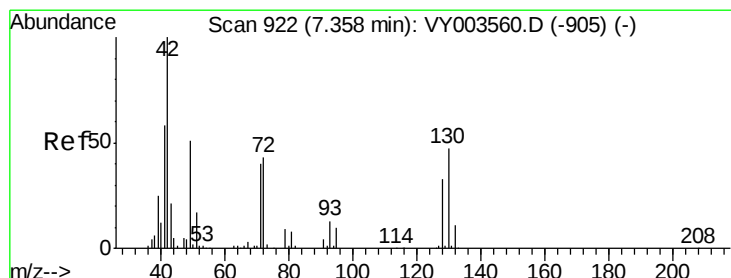
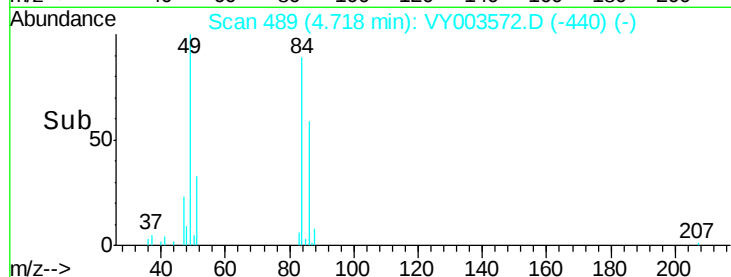
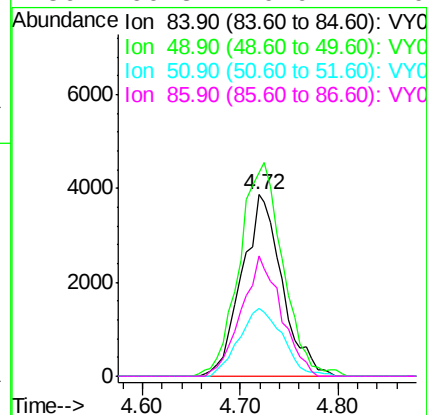
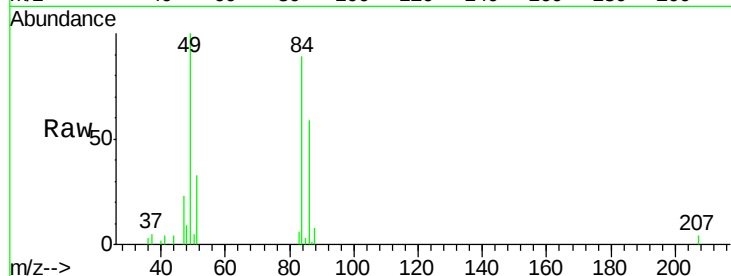




#20
Methvlene Chloride
Concen: 5.156 ug/l
RT: 4.72 min Scan# 489
Delta R.T. 0.00 min
Lab File: VY003572.D
Acq: 20 Nov 2020 16:55

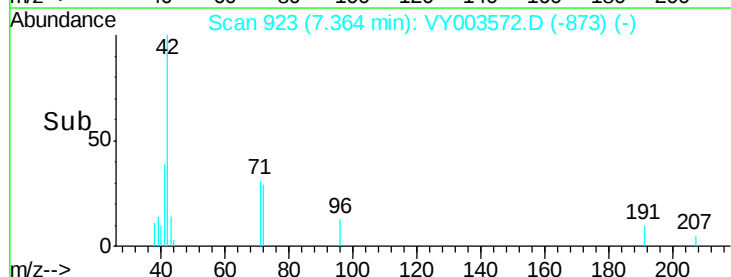
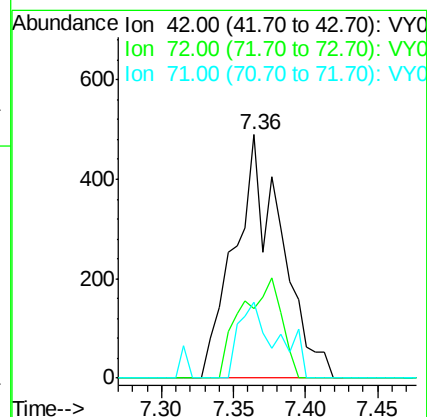
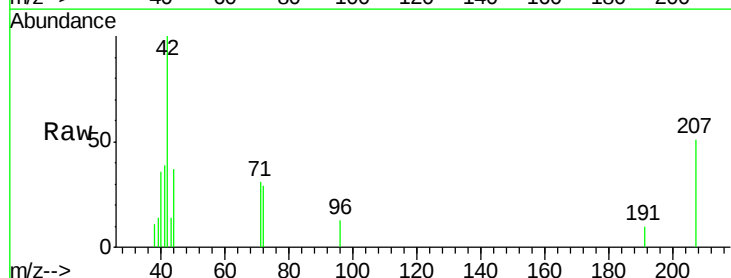
Instrument :
MSVOA_Y
ClientSampleId :

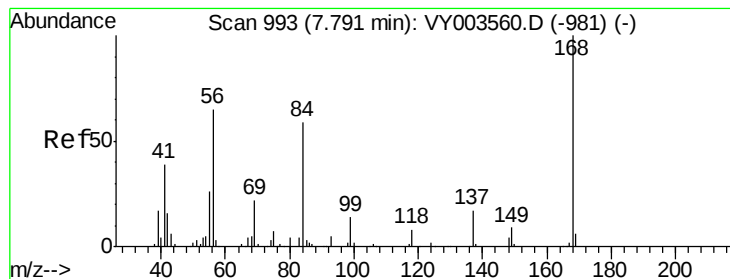
Tot Ion:	84	Resp:	11038
Ion	Ratio	Lower	Upper
84	100		
49	112.2	99.0	148.6
51	37.3	30.5	45.7
86	66.3	49.9	74.9



#29
Tetrahydrofuran
Concen: 4.882 ug/l
RT: 7.36 min Scan# 923
Delta R.T. 0.01 min
Lab File: VY003572.D
Acq: 20 Nov 2020 16:55

Tgt Ion:	42	Resp:	1103
Ion	Ratio	Lower	Upper
42	100		
72	35.4	32.6	49.0
71	17.8	30.2	45.2#





#31

Cyclohexane

Concen: 1.341 ug/l

RT: 7.79 min Scan# 993

Delta R.T. 0.00 min

Lab File: VY003572.D

Acq: 20 Nov 2020 16:55

Instrument :
MSVOA_Y
ClientSampled :

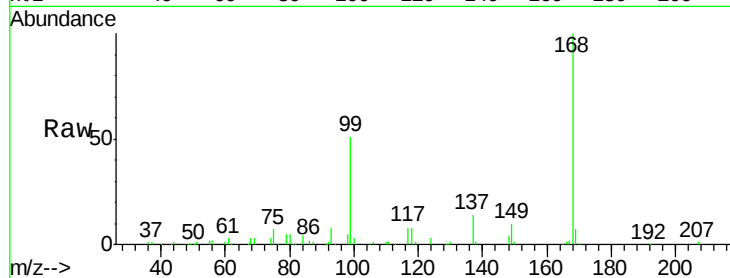
Tot Ion: 56 Resp: 1930

Ion Ratio Lower Upper

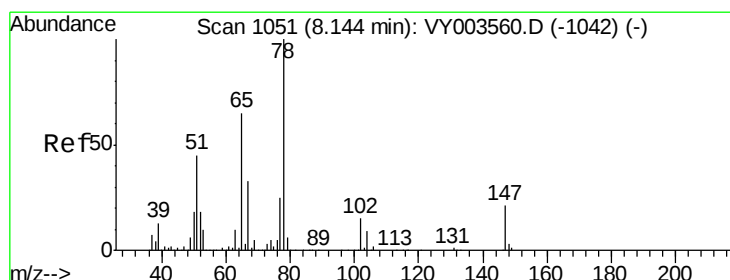
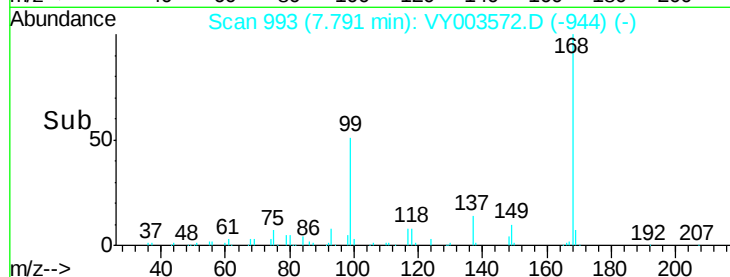
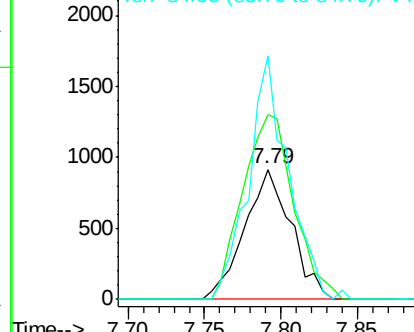
56 100

69 141.8 27.0 40.6#

84 186.8 71.8 107.6#



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: 76.093 ug/l

RT: 8.14 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VY003572.D

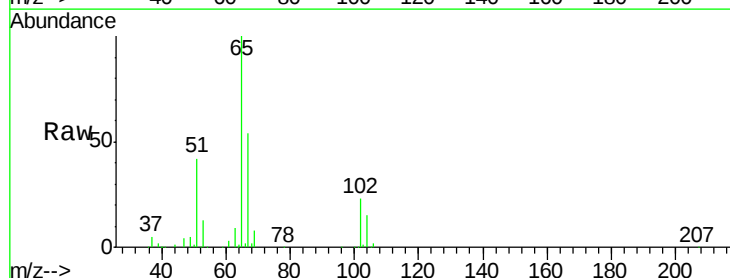
Acq: 20 Nov 2020 16:55

Tgt Ion: 65 Resp: 75746

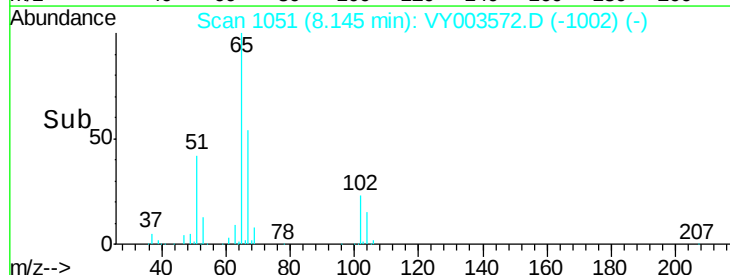
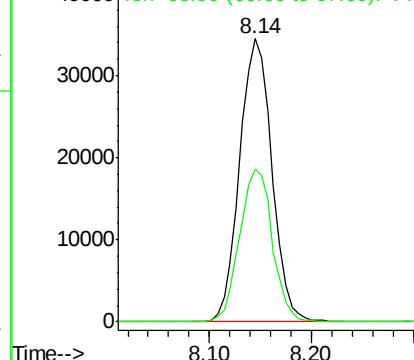
Ion Ratio Lower Upper

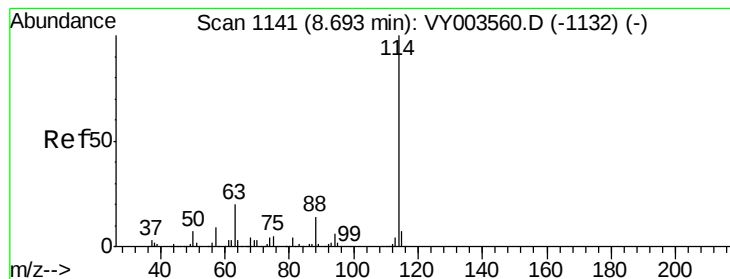
65 100

67 54.5 0.0 110.2



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: 8.69 min Scan# 1141

Delta R.T. 0.00 min

Lab File: VY003572.D

Acq: 20 Nov 2020 16:55

Instrument :

MSVOA_Y

ClientSampleId :

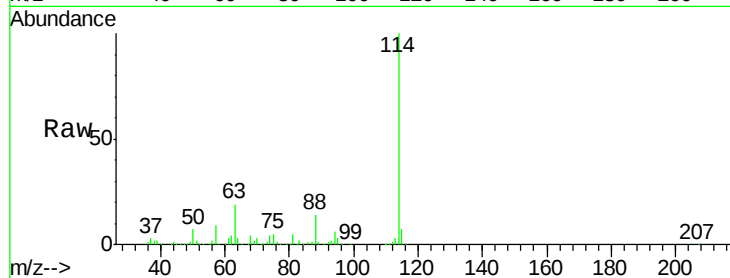
Tot Ion:114 Resp: 219721

Ion Ratio Lower Upper

114 100

63 18.7 0.0 39.8

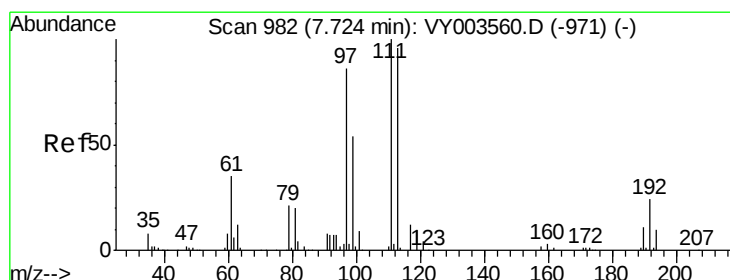
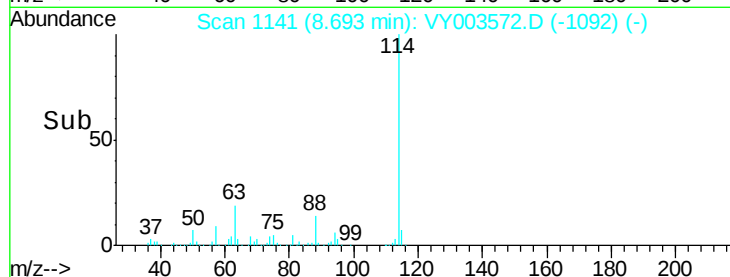
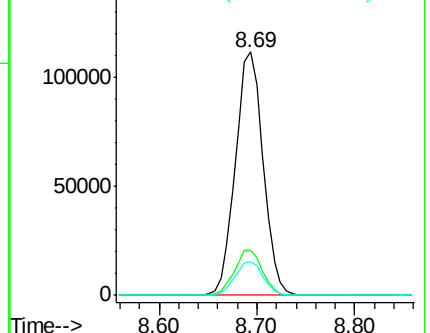
88 13.6 0.0 29.0



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: 54.145 ug/l

RT: 7.72 min Scan# 982

Delta R.T. 0.00 min

Lab File: VY003572.D

Acq: 20 Nov 2020 16:55

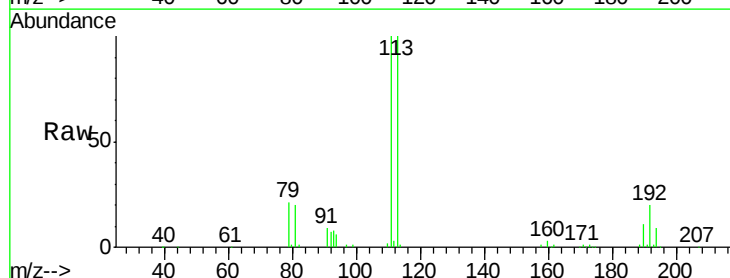
Tgt Ion:113 Resp: 78202

Ion Ratio Lower Upper

113 100

111 100.7 81.4 122.0

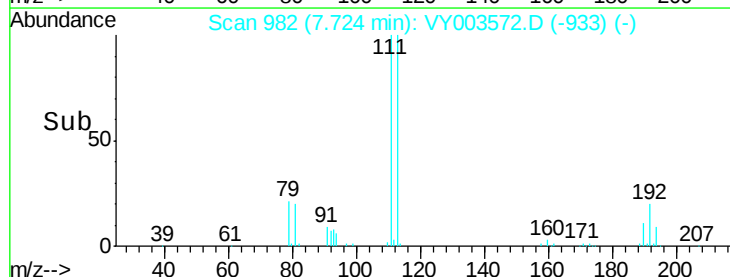
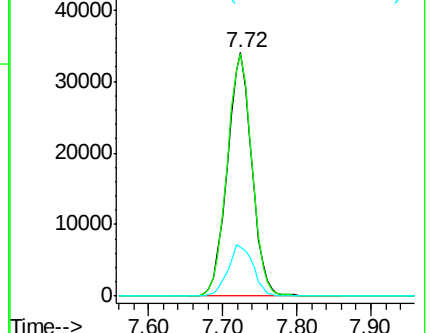
192 21.6 18.1 27.1

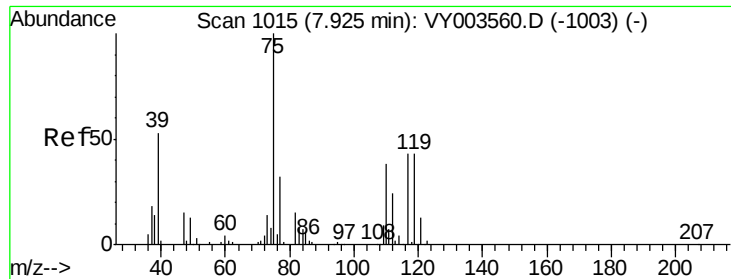


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

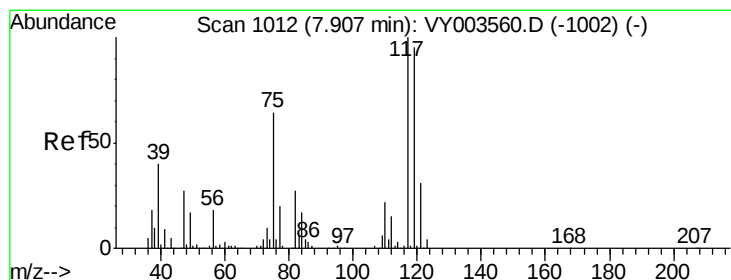
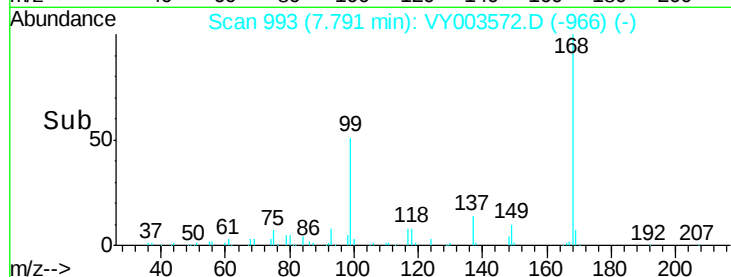
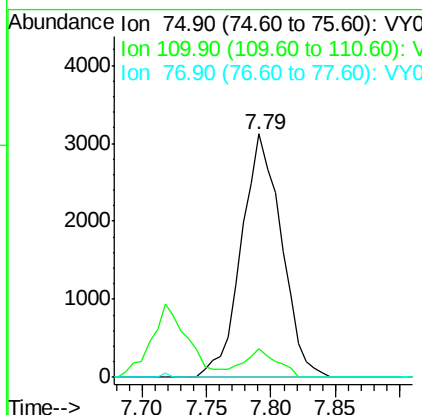
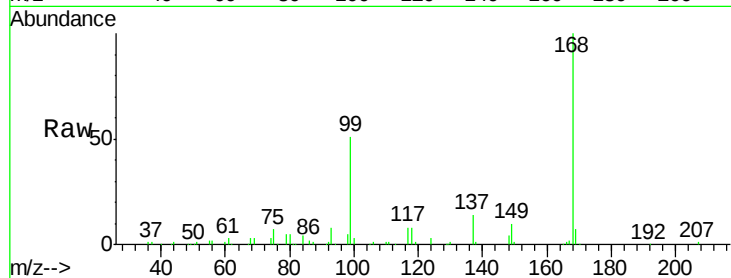




#36
 1,1-Dichloropropene
 Concen: 3.116 ug/l
 RT: 7.79 min Scan# 993
 Delta R.T. -0.13 min
 Lab File: VY003572.D
 Acq: 20 Nov 2020 16:55

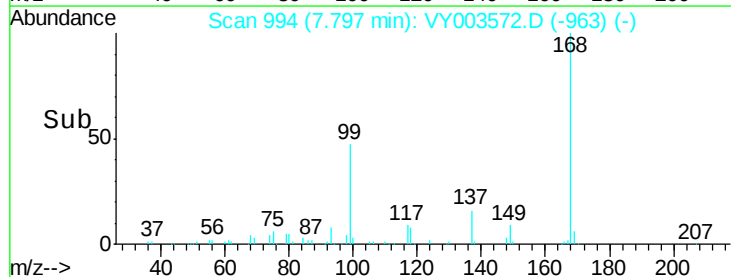
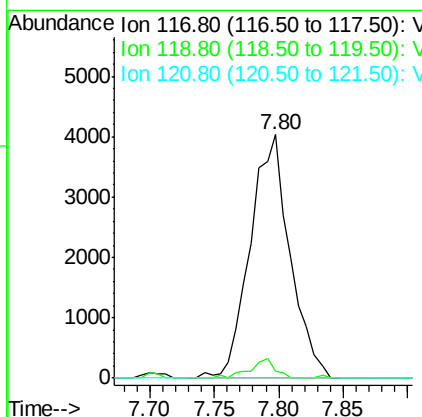
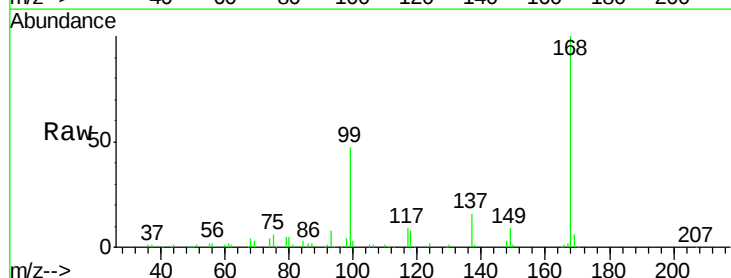
Instrument :
 MSVOA_Y
 ClientSampled :

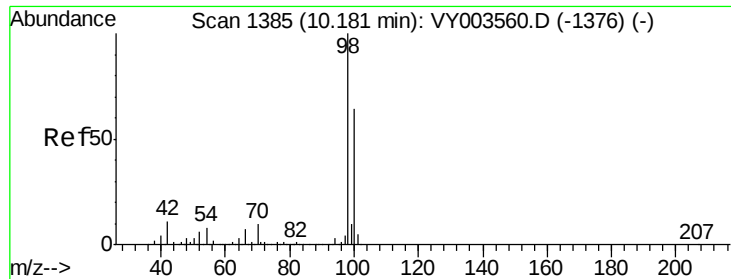
Tot Ion	75	Resp	6741
Ion Ratio	Lower	Upper	
75	100		
110	9.4	18.7	56.1#
77	0.0	25.4	38.2#



#38
 Carbon Tetrachloride
 Concen: 4.296 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.11 min
 Lab File: VY003572.D
 Acq: 20 Nov 2020 16:55

Tgt Ion	117	Resp	8608
Ion Ratio	Lower	Upper	
117	100		
119	2.9	76.3	114.5#
121	0.0	25.1	37.7#





#50

Toluene-d8

Concen: 47.056 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VY003572.D

Acq: 20 Nov 2020 16:55

Instrument :

MSVOA_Y

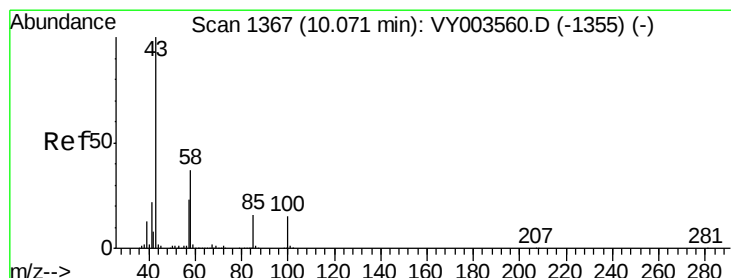
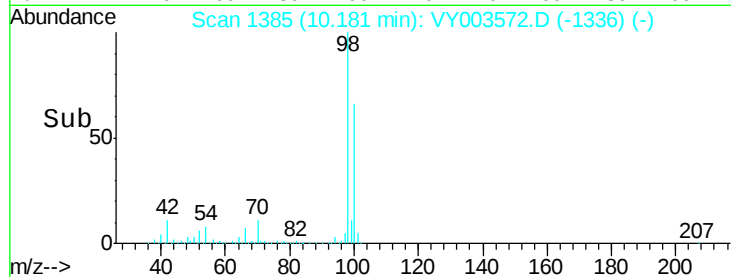
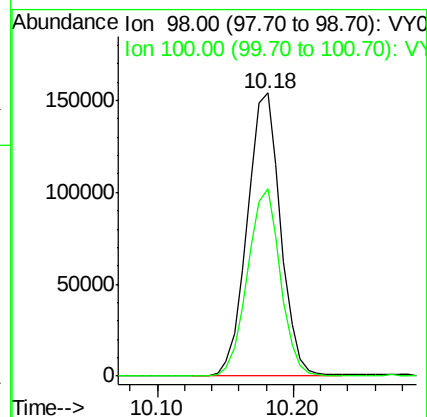
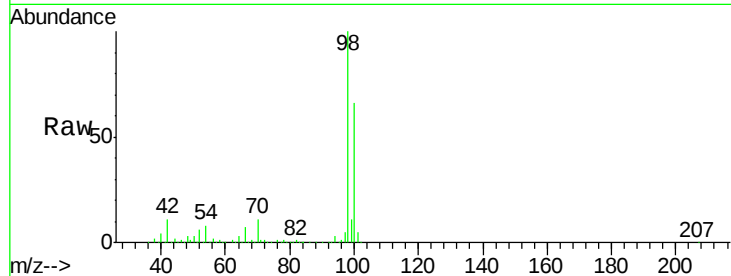
ClientSampleId :

Tot Ion: 98 Resp: 264278

Ion Ratio Lower Upper

98 100

100 65.0 51.4 77.2



#51

4-Methyl-2-Pentanone

Concen: 1.133 ug/l

RT: 10.17 min Scan# 1384

Delta R.T. 0.10 min

Lab File: VY003572.D

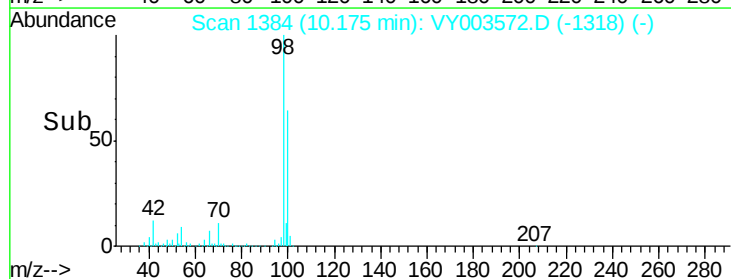
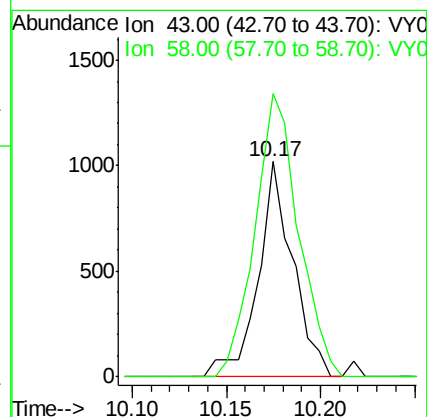
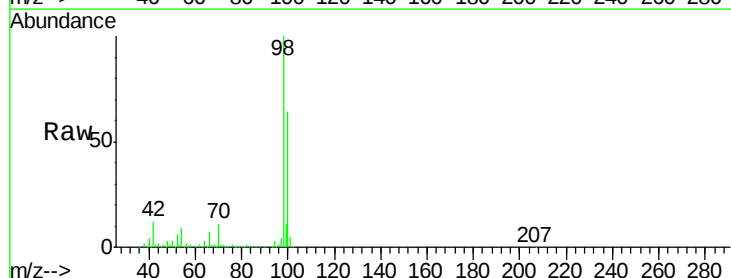
Acq: 20 Nov 2020 16:55

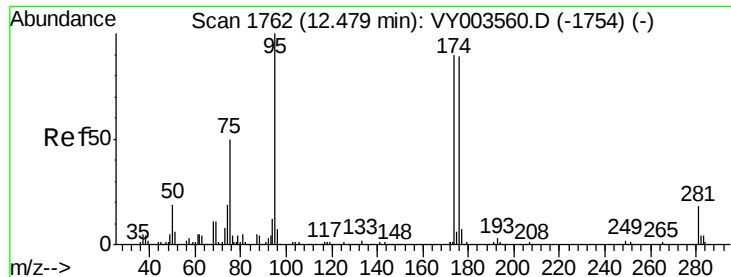
Tgt Ion: 43 Resp: 1300

Ion Ratio Lower Upper

43 100

58 165.2 29.8 44.8#

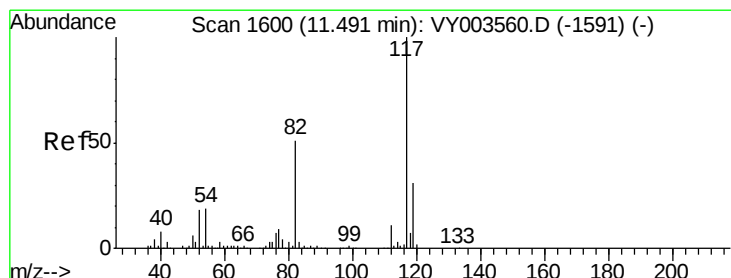
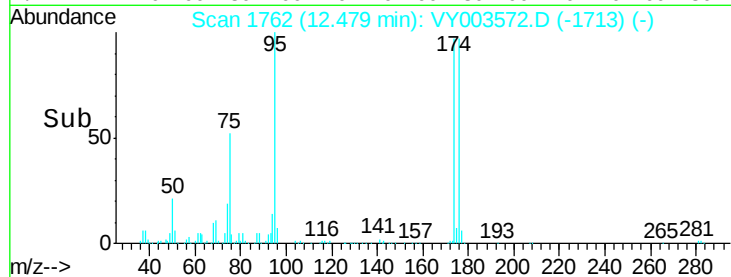
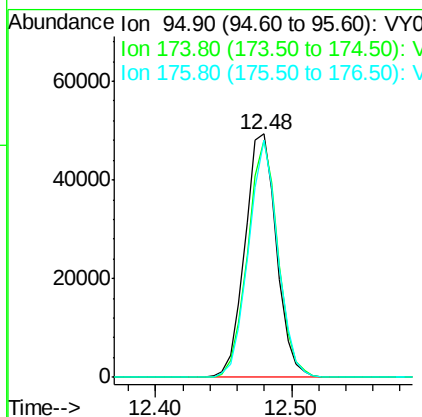
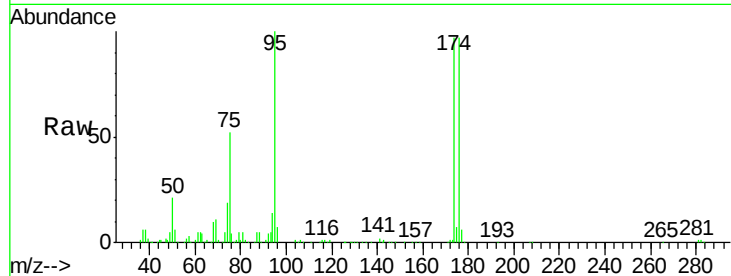




#62
4-Bromofluorobenzene
Concen: 44.957 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. 0.00 min
Lab File: VY003572.D
Acq: 20 Nov 2020 16:55

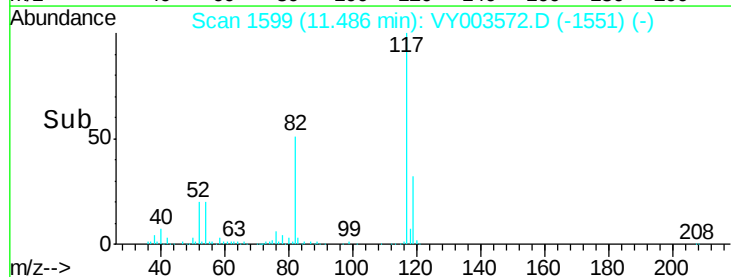
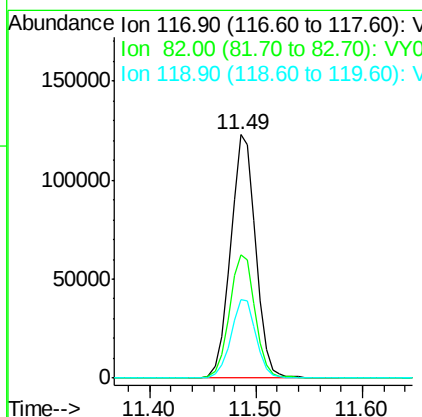
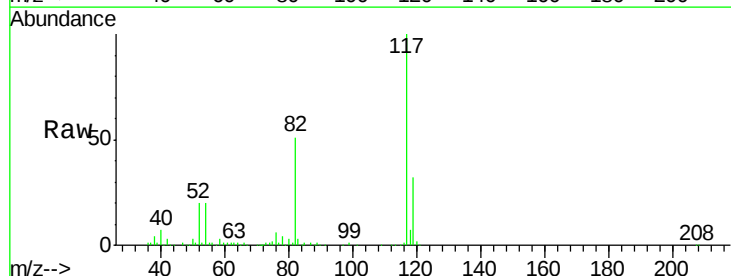
Instrument :
MSVOA_Y
ClientSampleId :

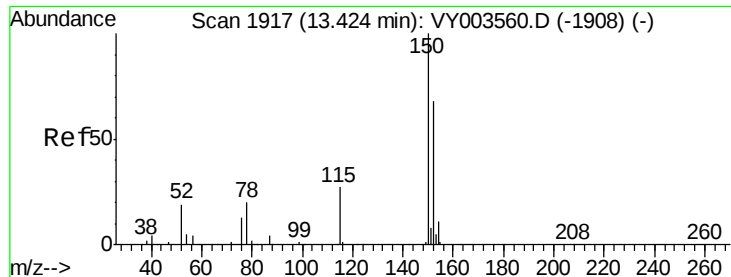
Tot Ion: 95 Resp: 80129
Ion Ratio Lower Upper
95 100
174 93.5 0.0 184.0
176 91.1 0.0 180.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VY003572.D
Acq: 20 Nov 2020 16:55

Tgt Ion: 117 Resp: 202946
Ion Ratio Lower Upper
117 100
82 50.6 41.0 61.6
119 32.0 25.0 37.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1916

Delta R.T. -0.01 min

Lab File: VY003572.D

Acq: 20 Nov 2020 16:55

Instrument :

MSVOA_Y

ClientSampleId :

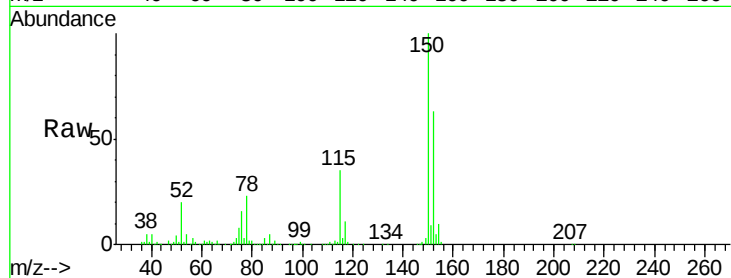
Tot Ion:152 Resp: 88541

Ion Ratio Lower Upper

152 100

115 53.7 27.4 82.0

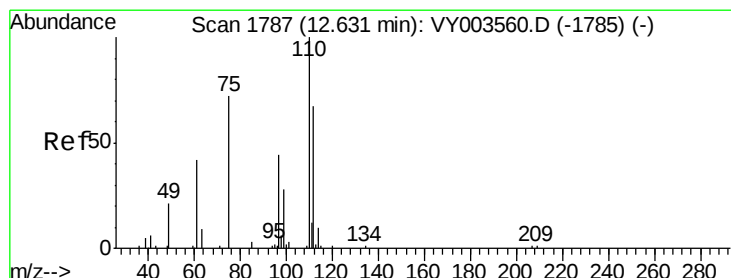
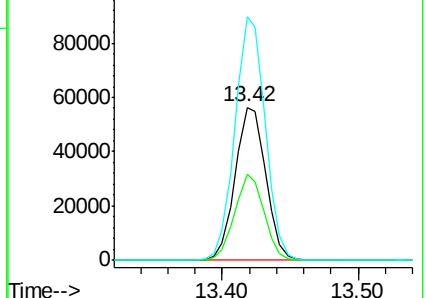
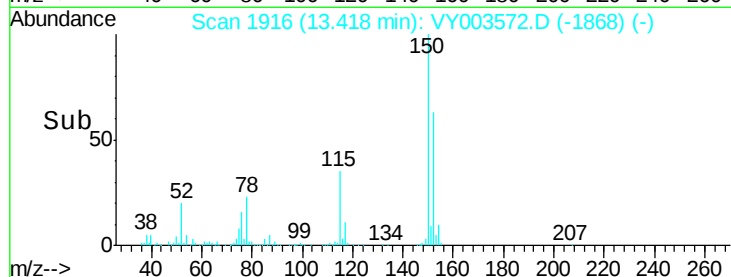
150 156.7 0.0 349.6



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: 49.060 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY003572.D

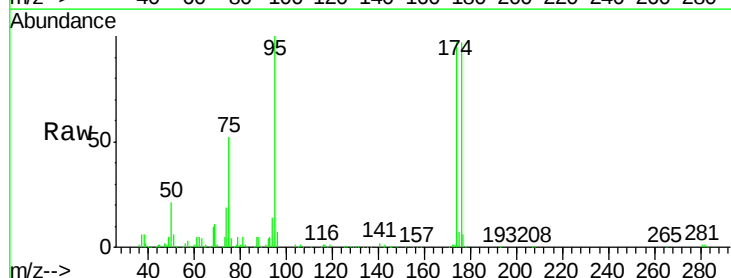
Acq: 20 Nov 2020 16:55

Tgt Ion: 75 Resp: 42113

Ion Ratio Lower Upper

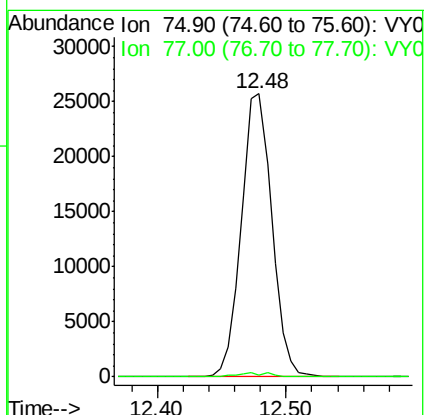
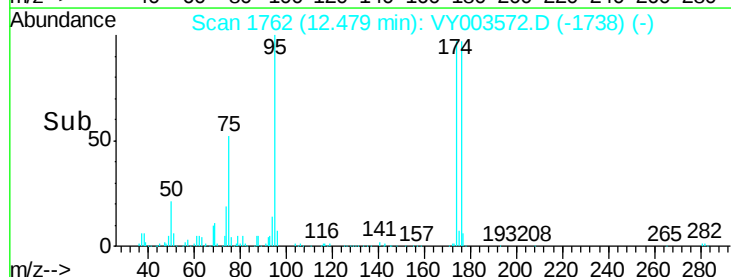
75 100

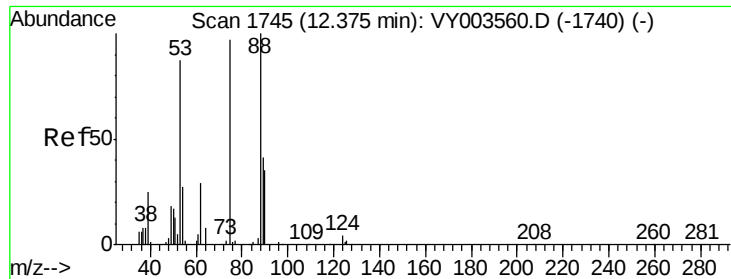
77 1.4 0.0 0.0#



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: 77.991 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY003572.D

Acq: 20 Nov 2020 16:55

Instrument :

MSVOA_Y

ClientSampleId :

Tot Ion: 75 Resp: 42113

Ion Ratio Lower Upper

75 100

53 0.1 71.4 107.2#

89 0.1 34.7 52.1#

