

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY112020\
 Data File : VY003574.D
 Acq On : 20 Nov 2020 17:40
 Operator : SY/MD
 Sample : L4836-06
 Misc : 5.8G/5ML/MSVOA Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 21 01:53:53 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	7.79	168	94140	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	219615	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	210904	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	97008	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.14	65	76445	78.21	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	156.42%
35) Dibromofluoromethane	7.72	113	77362	53.59	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	107.18%
50) Toluene-d8	10.17	98	270788	48.24	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	96.48%
62) 4-Bromofluorobenzene	12.48	95	85177	47.81	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	95.62%

Target Compounds

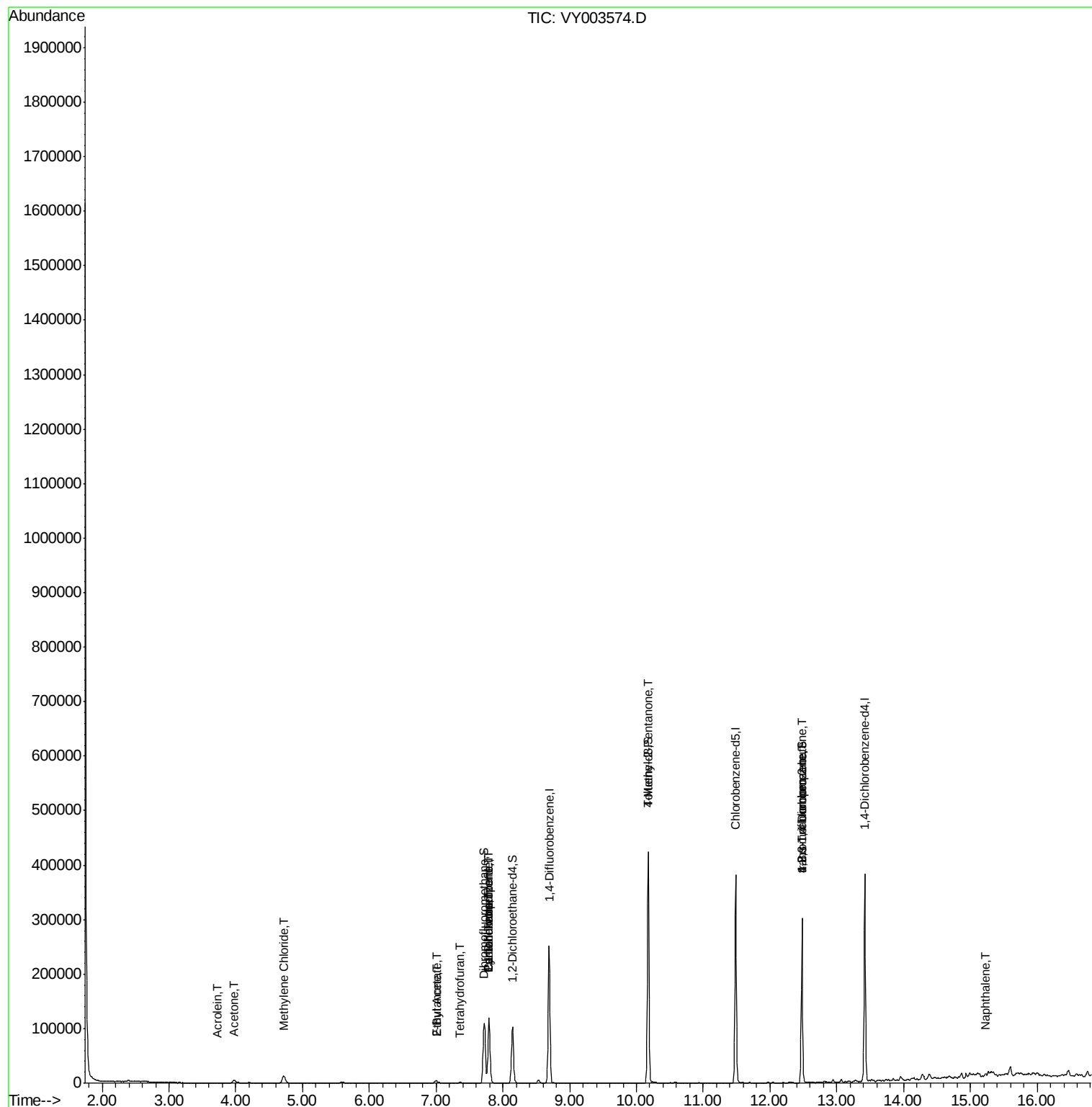
					Qvalue	
13) Acrolein	3.74	56	228	2.445	ug/l #	38
16) Acetone	3.98	43	10421	31.930	ug/l	91
20) Methylene Chloride	4.72	84	10479	4.756	ug/l #	86
25) 2-Butanone	7.01	43	2531	5.976	ug/l	97
29) Tetrahydrofuran	7.36	42	858	3.867	ug/l	89
31) Cyclohexane	7.79	56	1956	1.384	ug/l #	17
36) 1,1-Dichloropropene	7.79	75	6548	3.029	ug/l #	52
37) Ethyl Acetate	7.01	43	2531	1.943	ug/l #	72
38) Carbon Tetrachloride	7.80	117	8674	4.331	ug/l #	19
51) 4-Methyl-2-Pentanone	10.18	43	1327	1.157	ug/l #	1
76) 1,2,3-Trichloropropane	12.48	75	45337	48.206	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	45337	76.634	ug/l #	14
95) Naphthalene	15.23	128	3283	1.328	ug/l #	92

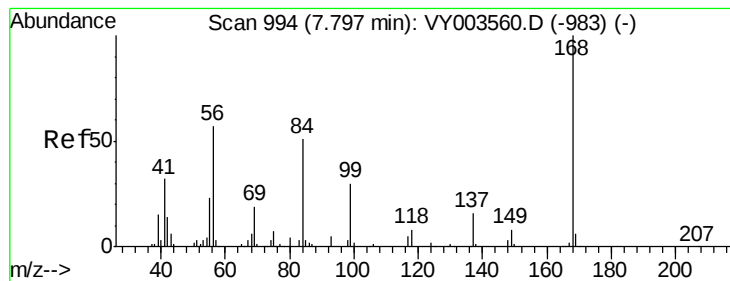
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY112020\
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.01 min

Lab File: VY003574.D

Acq: 20 Nov 2020 17:40

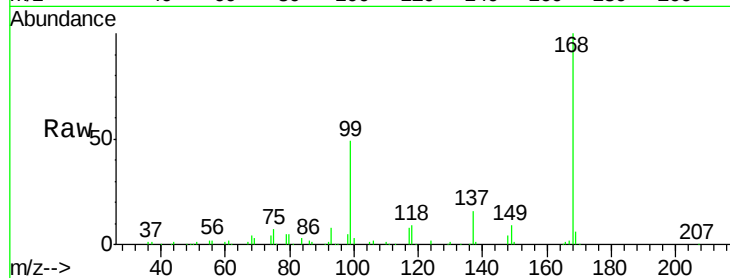
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:168 Resp: 94140

Ion Ratio Lower Upper

168 100

99 49.1 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) (-)

7.79

40000

30000

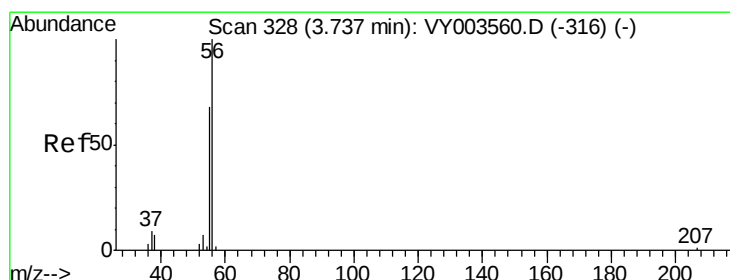
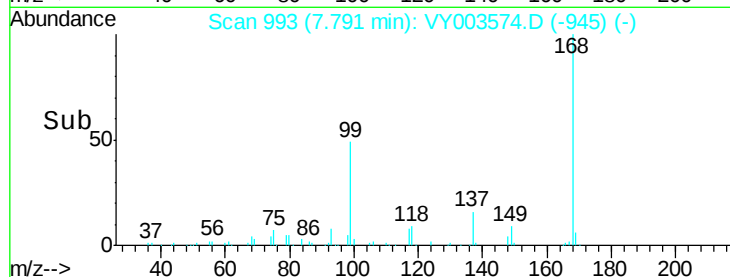
20000

10000

0

7.70 7.80 7.90

Time-->



#13

Acrolein

Concen: 2.445 ug/l

RT: 3.74 min Scan# 328

Delta R.T. 0.00 min

Lab File: VY003574.D

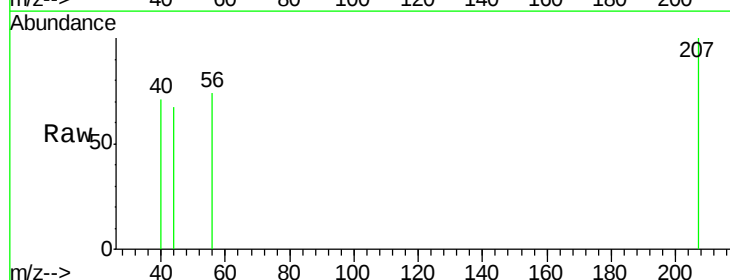
Acq: 20 Nov 2020 17:40

Tgt Ion: 56 Resp: 228

Ion Ratio Lower Upper

56 100

55 18.4 54.6 81.8#



Abundance Ion 56.00 (55.70 to 56.70): VY003560.D (-316) (-)

Ion 55.00 (54.70 to 55.70): VY003560.D (-316) (-)

3.74

150

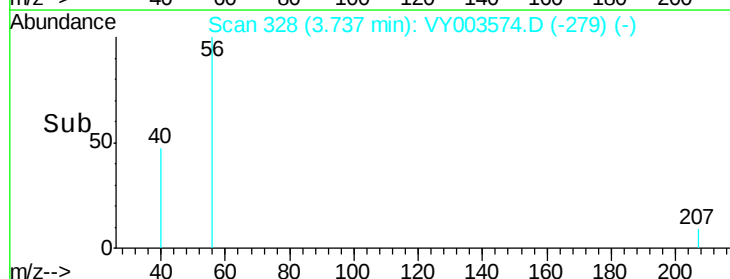
100

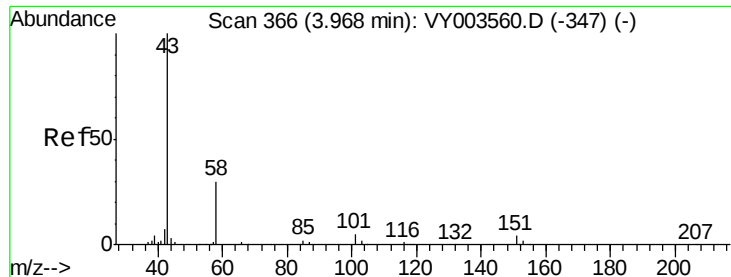
50

0

3.70 3.75

Time-->





#16

Acetone

Concen: 31.930 ug/l

RT: 3.98 min Scan# 368

Delta R.T. 0.01 min

Lab File: VY003574.D

Acq: 20 Nov 2020 17:40

Instrument :

MSVOA_Y

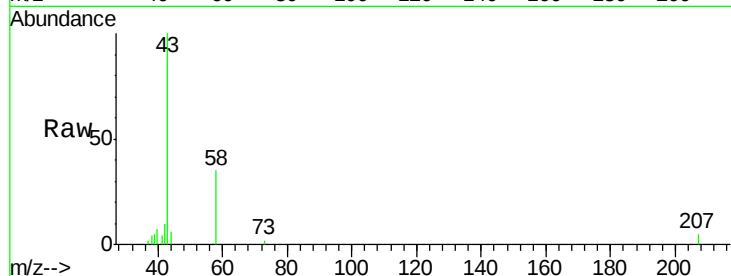
ClientSampleId :

Tot Ion: 43 Resp: 10421

Ion Ratio Lower Upper

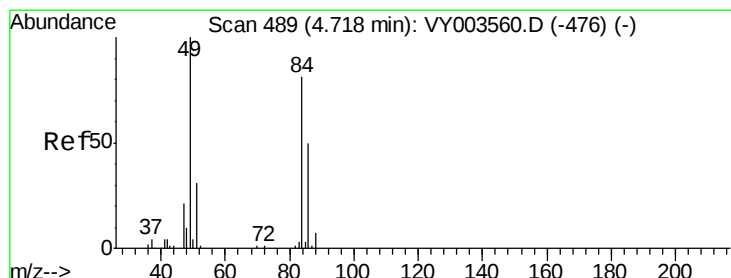
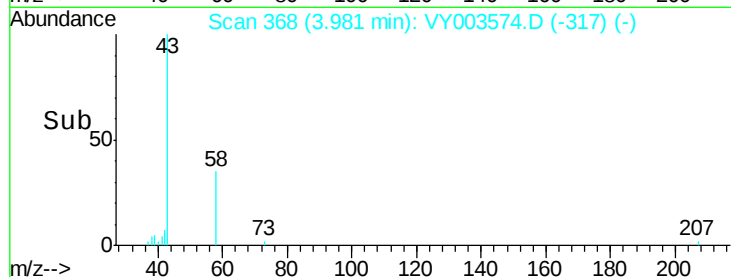
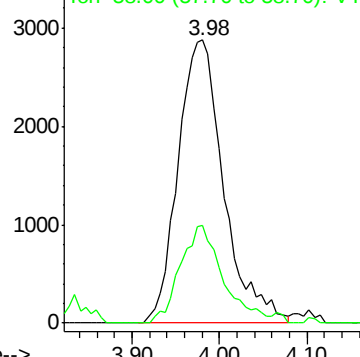
43 100

58 34.7 23.8 35.8



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#20

Methylene Chloride

Concen: 4.756 ug/l

RT: 4.72 min Scan# 490

Delta R.T. 0.01 min

Lab File: VY003574.D

Acq: 20 Nov 2020 17:40

Tgt Ion: 84 Resp: 10479

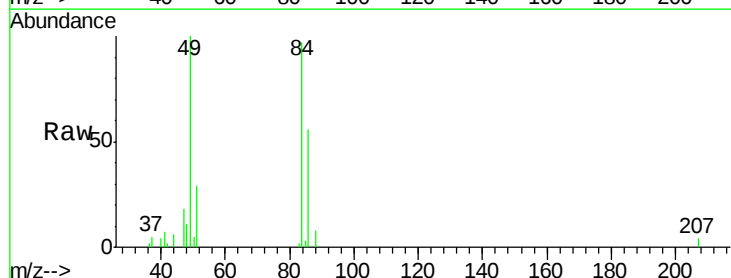
Ion Ratio Lower Upper

84 100

49 102.9 99.0 148.6

51 30.3 30.5 45.7#

86 57.4 49.9 74.9

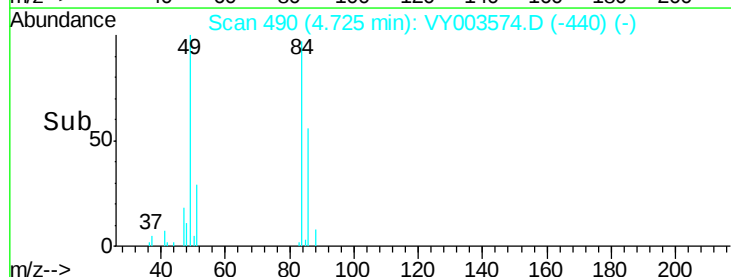
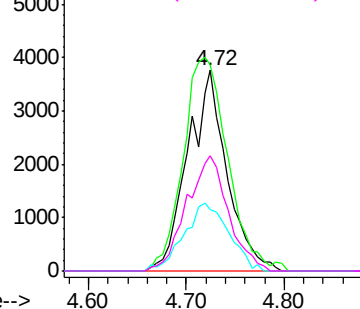


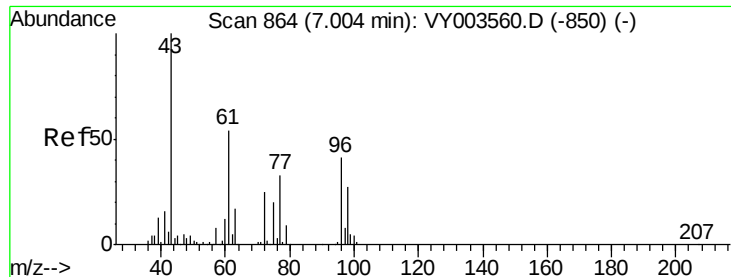
Abundance Ion 83.90 (83.60 to 84.60): VY0

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

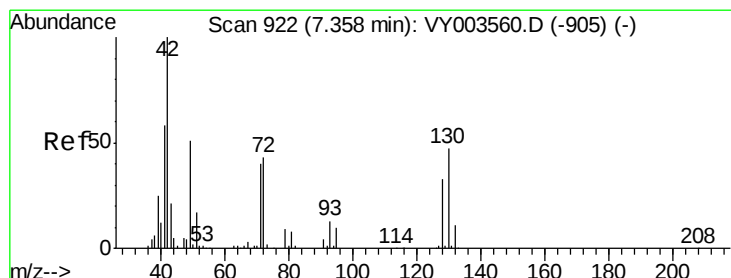
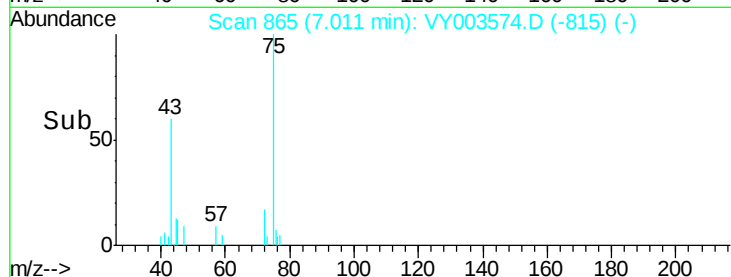
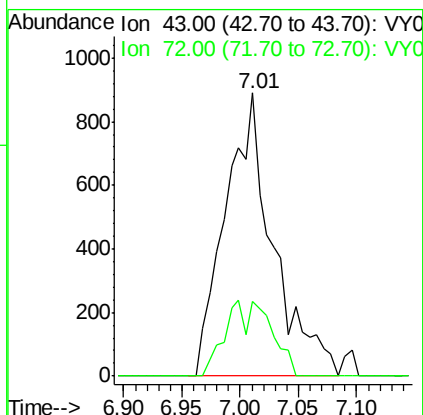
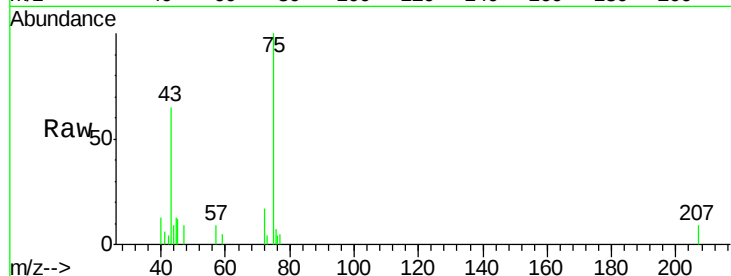




#25
2-Butanone
Concen: 5.976 ug/l
RT: 7.01 min Scan# 865
Delta R.T. 0.01 min
Lab File: VY003574.D
Acq: 20 Nov 2020 17:40

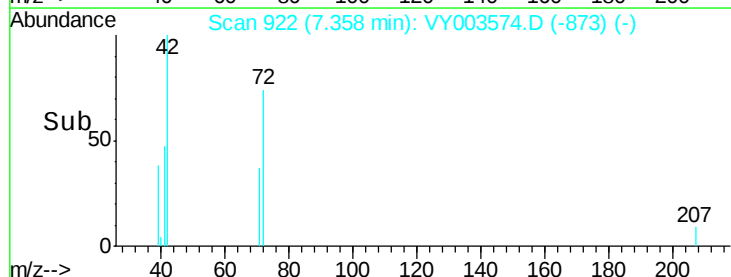
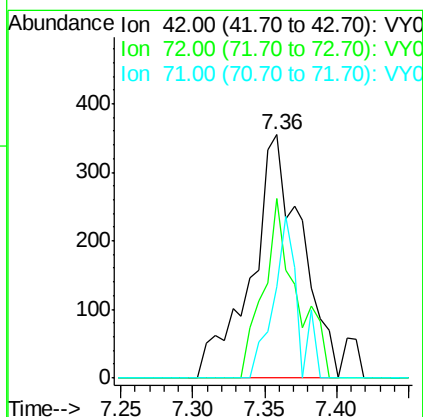
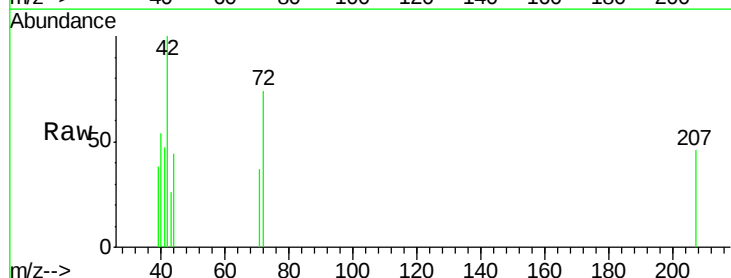
Instrument :
MSVOA_Y
ClientSampled :

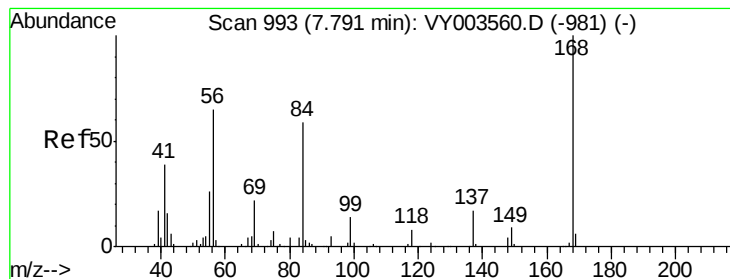
Tot Ion: 43 Resp: 2531
Ion Ratio Lower Upper
43 100
72 26.5 19.8 29.8



#29
Tetrahydrofuran
Concen: 3.867 ug/l
RT: 7.36 min Scan# 922
Delta R.T. 0.00 min
Lab File: VY003574.D
Acq: 20 Nov 2020 17:40

Tgt Ion: 42 Resp: 858
Ion Ratio Lower Upper
42 100
72 48.6 32.6 49.0
71 31.8 30.2 45.2





#31

Cyclohexane

Concen: 1.384 ug/l

RT: 7.79 min Scan# 993

Delta R.T. 0.00 min

Lab File: VY003574.D

Acq: 20 Nov 2020 17:40

Instrument :
MSVOA_Y
ClientSampled :

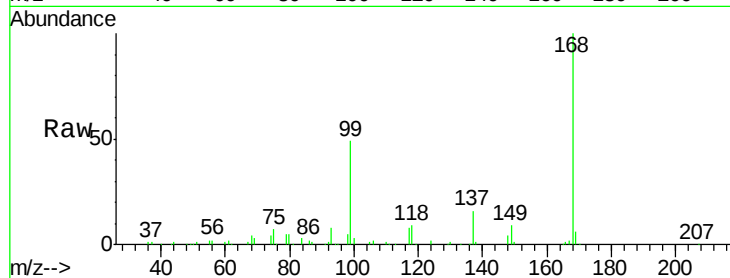
Tot Ion: 56 Resp: 1956

Ion Ratio Lower Upper

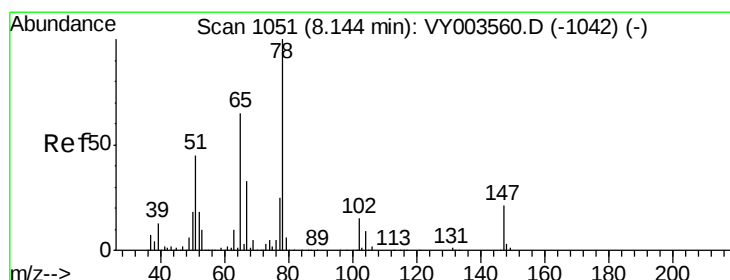
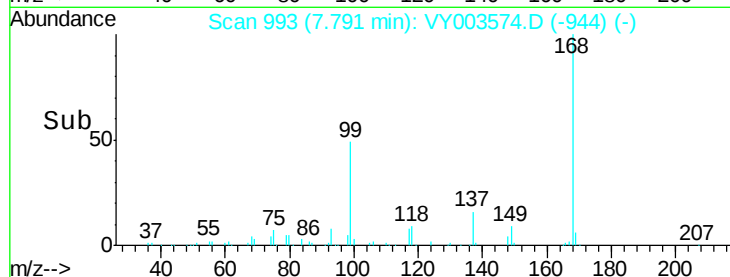
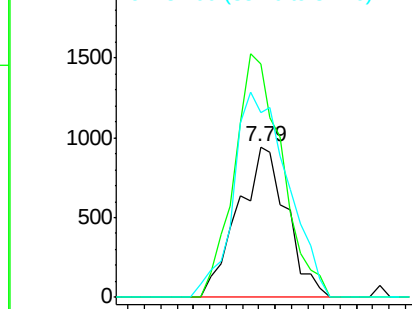
56 100

69 155.0 27.0 40.6#

84 122.6 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: 78.206 ug/l

RT: 8.14 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VY003574.D

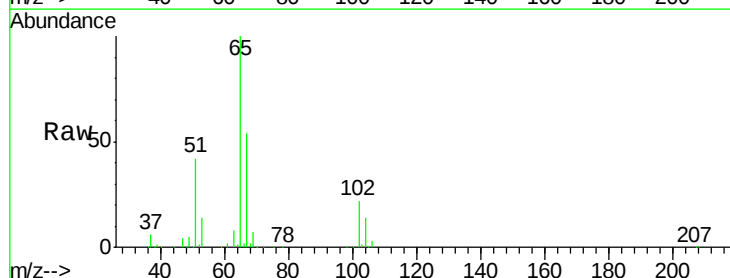
Acq: 20 Nov 2020 17:40

Tgt Ion: 65 Resp: 76445

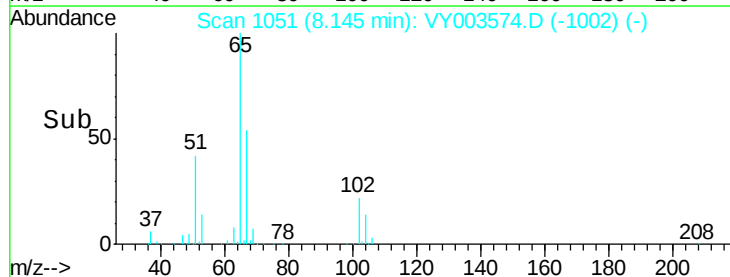
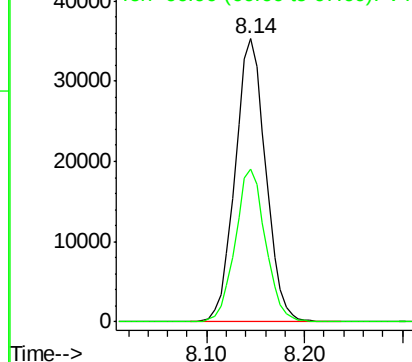
Ion Ratio Lower Upper

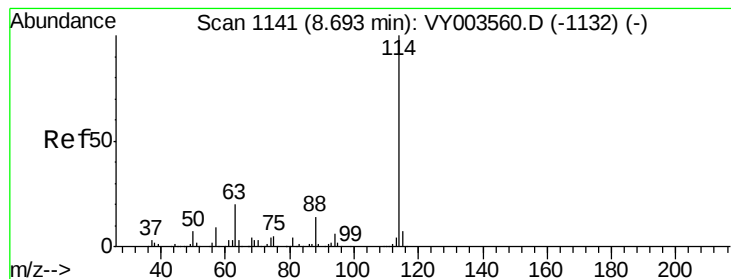
65 100

67 53.3 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: VY003574.D

Acq: 20 Nov 2020 17:40

Instrument :

MSVOA_Y

ClientSampled :

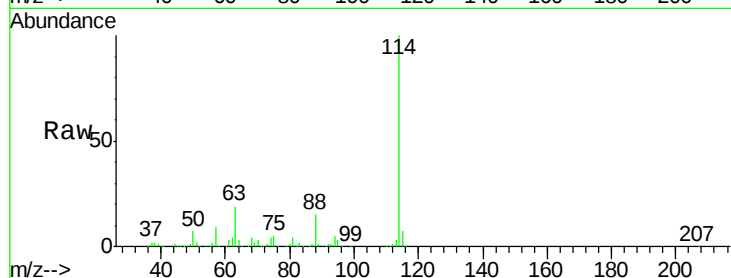
Tot Ion:114 Resp: 219615

Ion Ratio Lower Upper

114 100

63 19.1 0.0 39.8

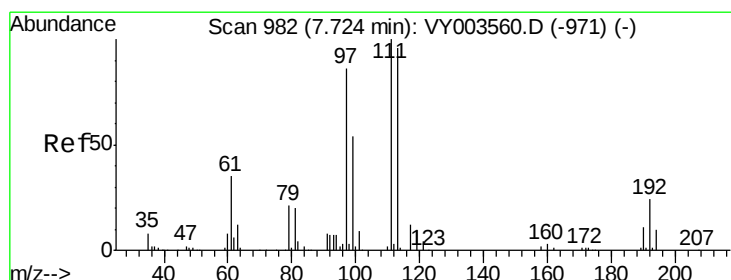
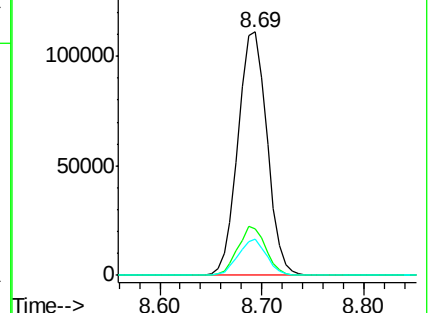
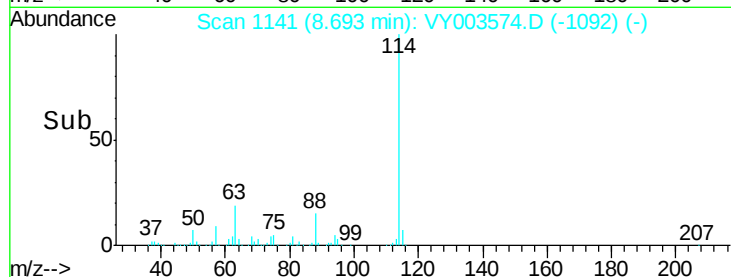
88 14.8 0.0 29.0



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: 53.589 ug/l

RT: 7.72 min Scan# 982

Delta R.T. 0.00 min

Lab File: VY003574.D

Acq: 20 Nov 2020 17:40

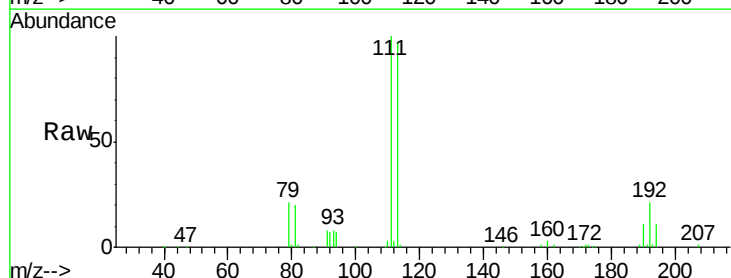
Tgt Ion:113 Resp: 77362

Ion Ratio Lower Upper

113 100

111 103.1 81.4 122.0

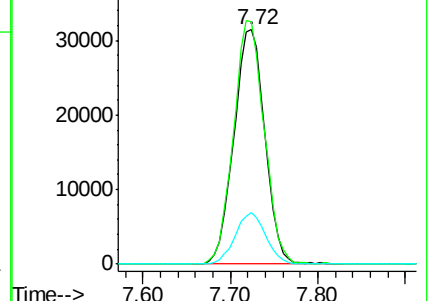
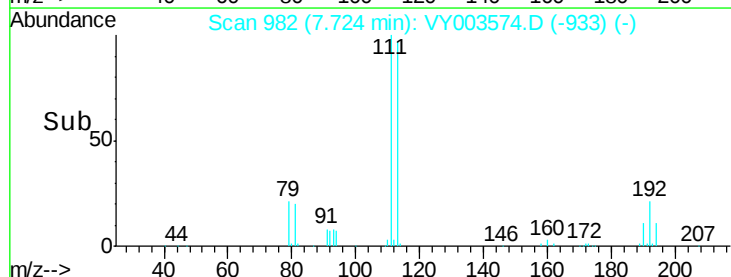
192 21.7 18.1 27.1

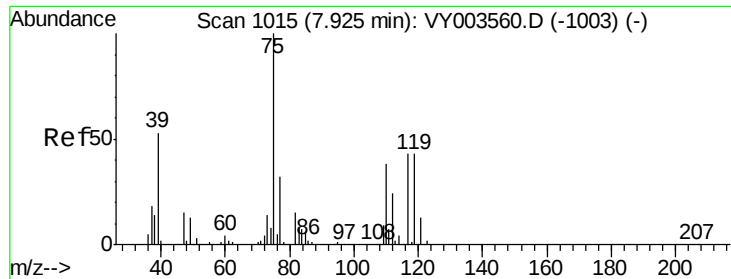


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 3.029 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.13 min

Lab File: VY003574.D

Acq: 20 Nov 2020 17:40

Instrument :

MSVOA_Y

ClientSampled :

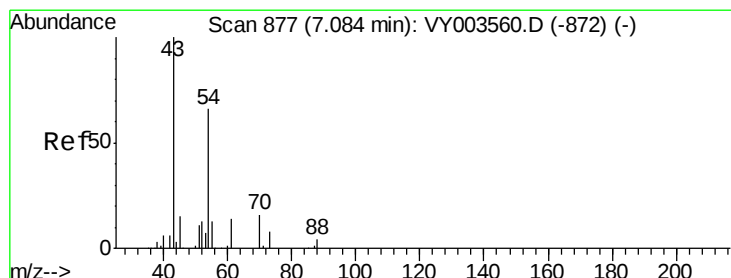
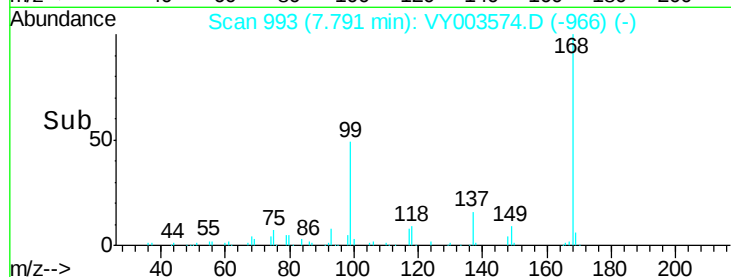
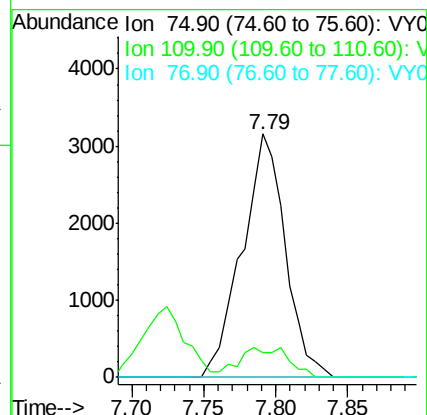
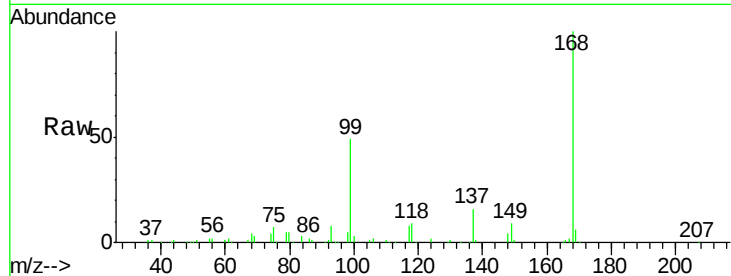
Tot Ion: 75 Resp: 6548

Ion Ratio Lower Upper

75 100

110 13.7 18.7 56.1#

77 0.0 25.4 38.2#



#37

Ethyl Acetate

Concen: 1.943 ug/l

RT: 7.01 min Scan# 865

Delta R.T. -0.07 min

Lab File: VY003574.D

Acq: 20 Nov 2020 17:40

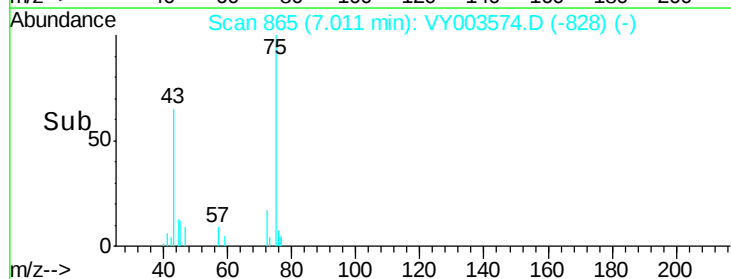
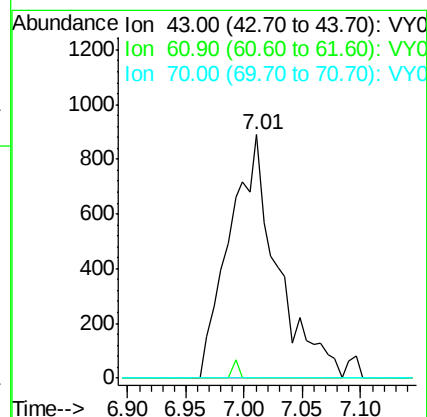
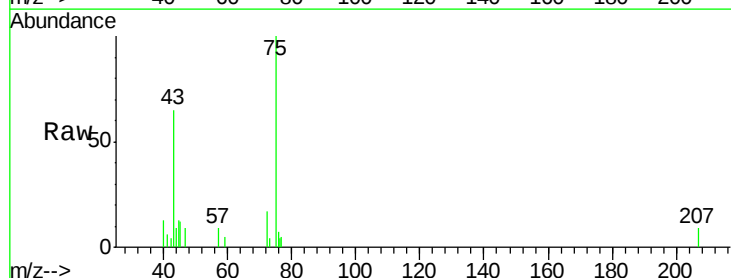
Tgt Ion: 43 Resp: 2531

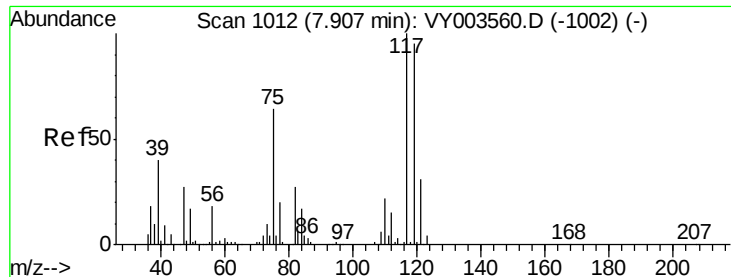
Ion Ratio Lower Upper

43 100

61 1.0 10.3 15.5#

70 0.0 7.5 11.3#

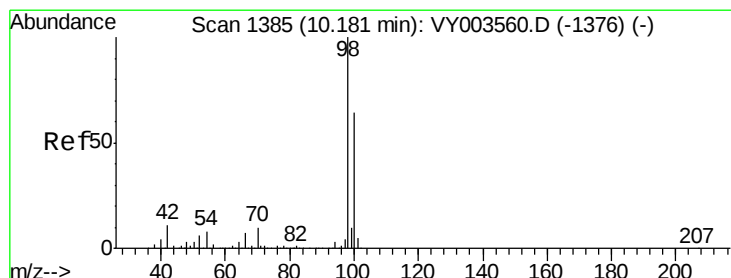
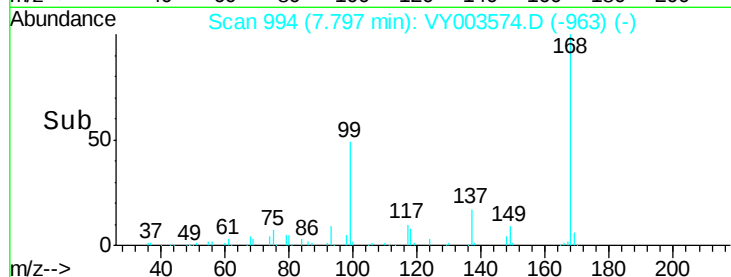
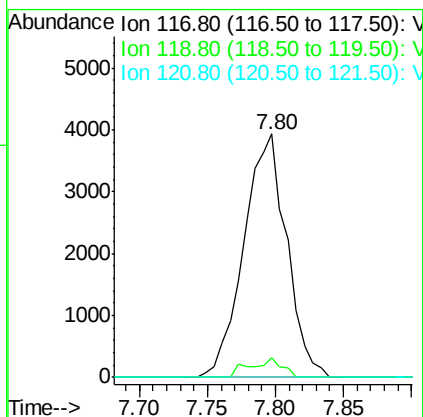
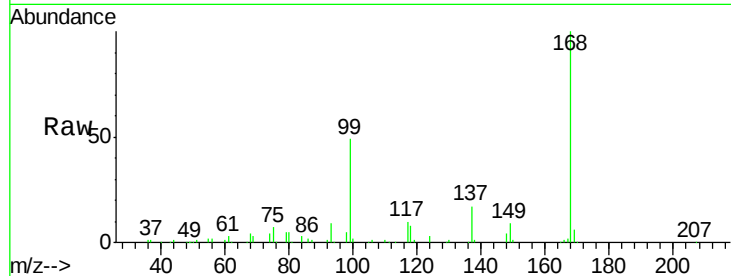




#38
Carbon Tetrachloride
Concen: 4.331 ug/l
RT: 7.80 min Scan# 994
Delta R.T. -0.11 min
Lab File: VY003574.D
Acq: 20 Nov 2020 17:40

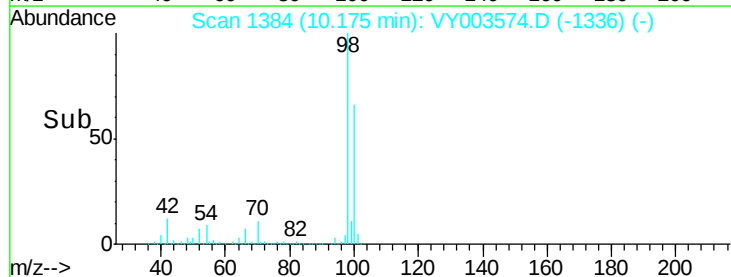
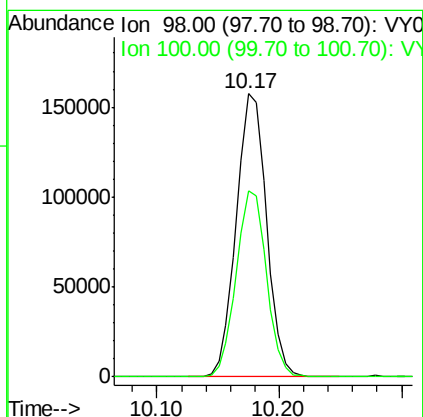
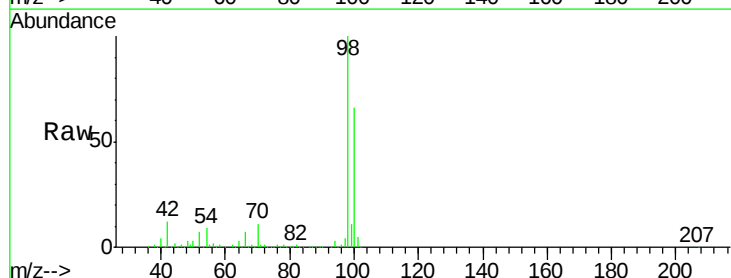
Instrument :
MSVOA_Y
ClientSampled :

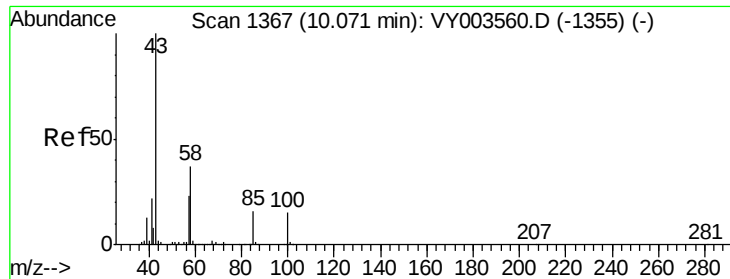
Tot Ion:117 Resp: 8674
Ion Ratio Lower Upper
117 100
119 8.3 76.3 114.5#
121 0.0 25.1 37.7#



#50
Toluene-d8
Concen: 48.239 ug/l
RT: 10.17 min Scan# 1384
Delta R.T. -0.01 min
Lab File: VY003574.D
Acq: 20 Nov 2020 17:40

Tgt Ion: 98 Resp: 270788
Ion Ratio Lower Upper
98 100
100 65.3 51.4 77.2





#51

4-Methyl-2-Pentanone

Concen: 1.157 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.11 min

Lab File: VY003574.D

Acq: 20 Nov 2020 17:40

Instrument :

MSVOA_Y

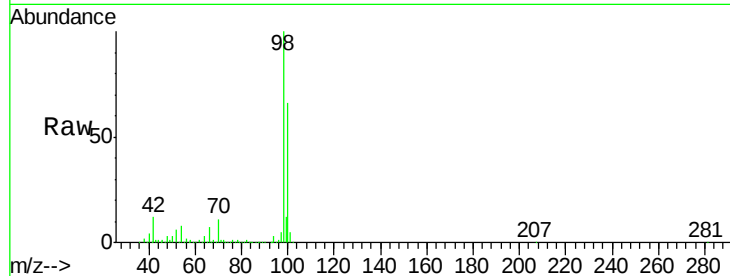
ClientSampleId :

Tot Ion: 43 Resp: 1327

Ion Ratio Lower Upper

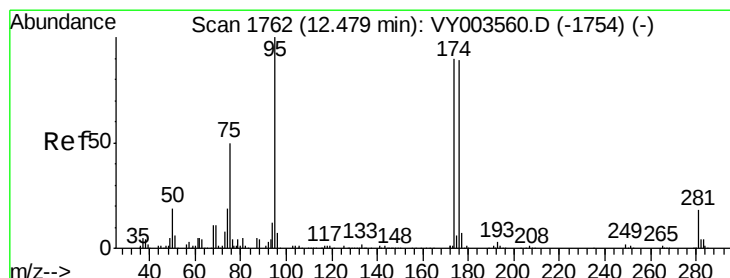
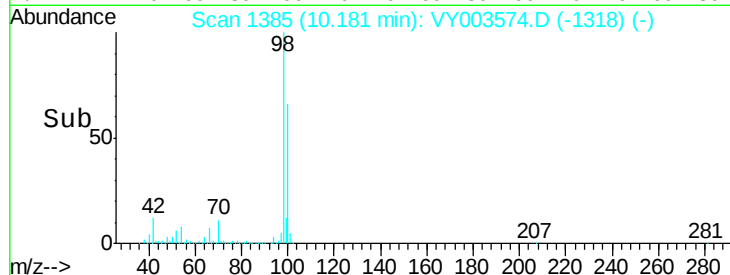
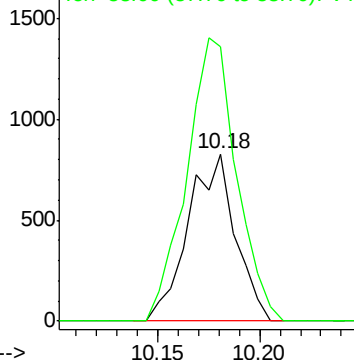
43 100

58 180.0 29.8 44.8#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#62

4-Bromofluorobenzene

Concen: 47.813 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY003574.D

Acq: 20 Nov 2020 17:40

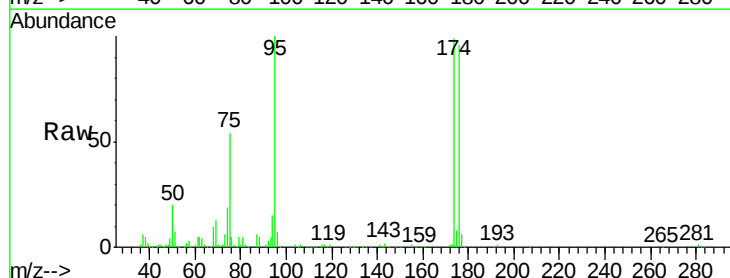
Tgt Ion: 95 Resp: 85177

Ion Ratio Lower Upper

95 100

174 93.8 0.0 184.0

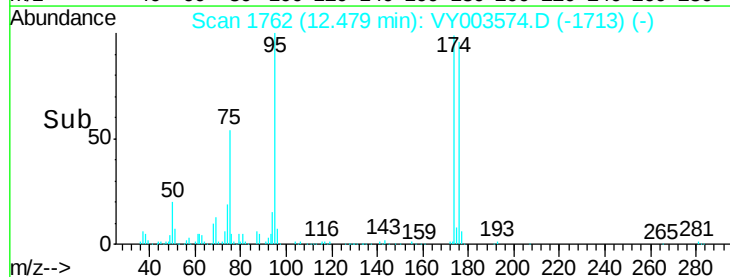
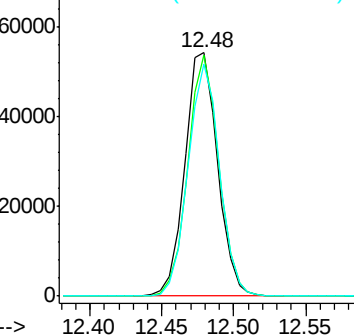
176 91.8 0.0 180.4

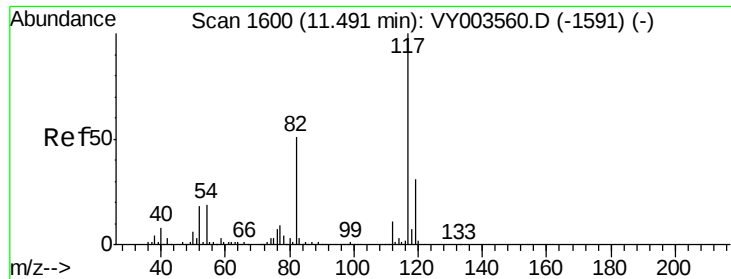


Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

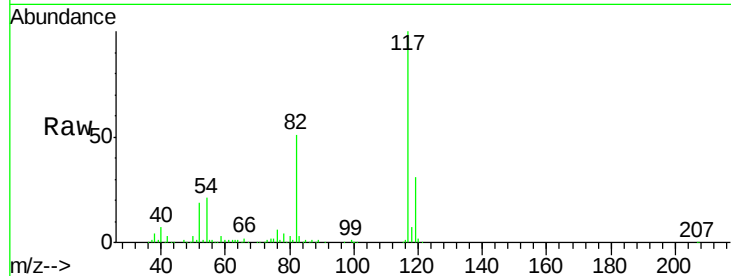




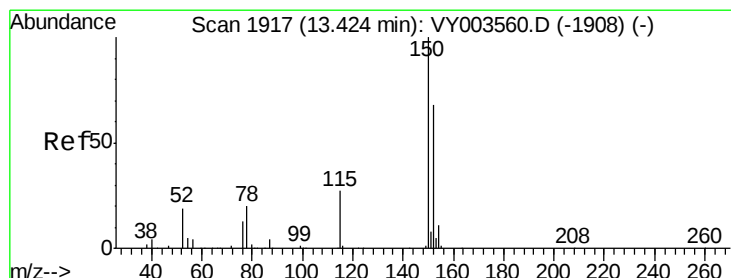
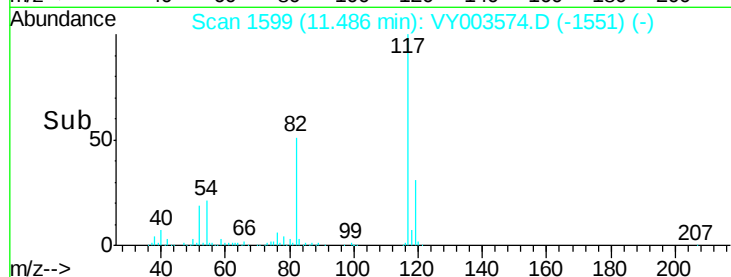
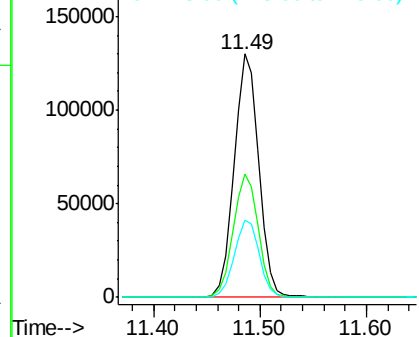
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VY003574.D
Acq: 20 Nov 2020 17:40

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.6	41.0	61.6
119	31.5	25.0	37.6

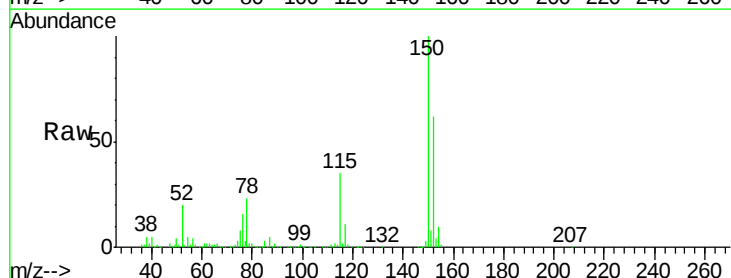


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

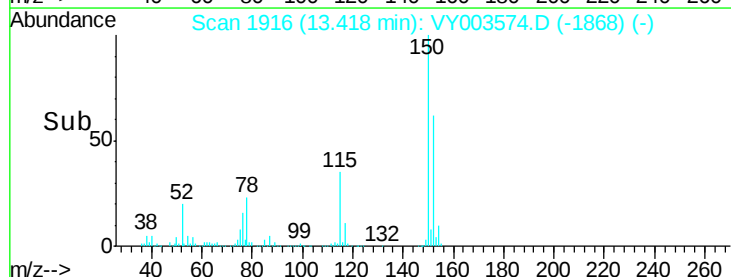
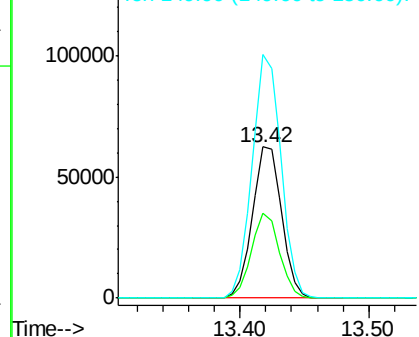


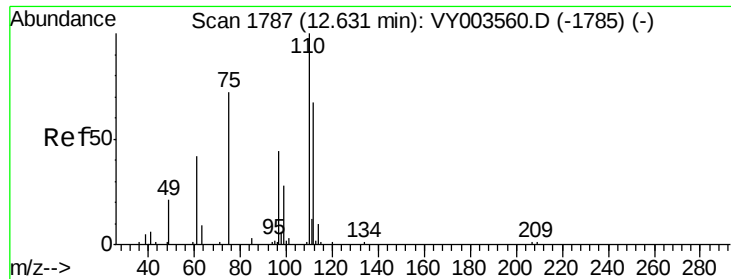
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1916
Delta R.T. -0.01 min
Lab File: VY003574.D
Acq: 20 Nov 2020 17:40

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.1	27.4	82.0
150	159.1	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

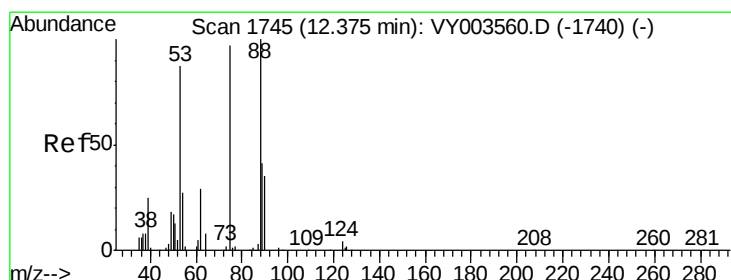
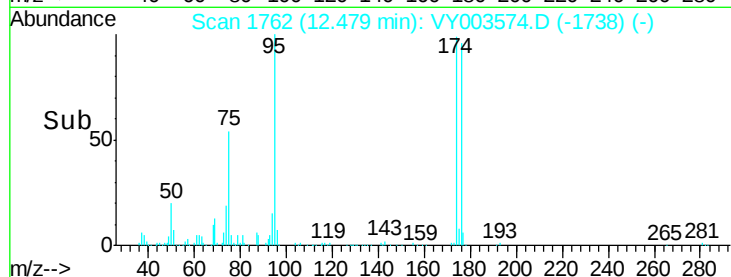
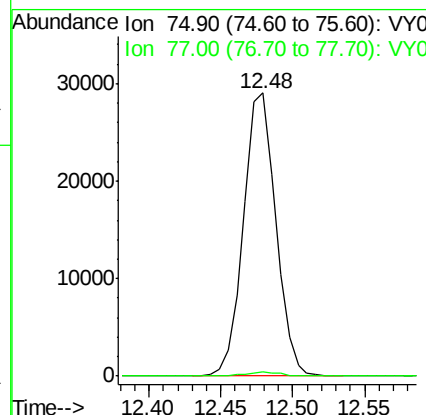
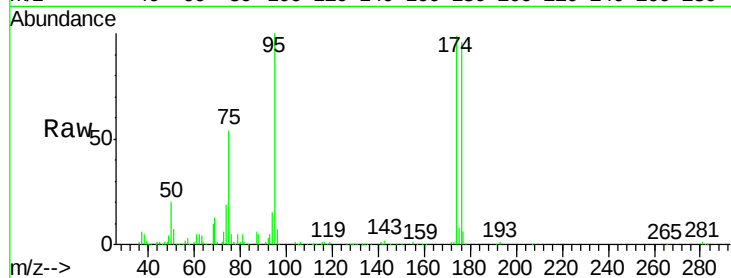




#76
 1,2,3-Trichloropropane
 Concen: 48.206 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. -0.15 min
 Lab File: VY003574.D
 Acq: 20 Nov 2020 17:40

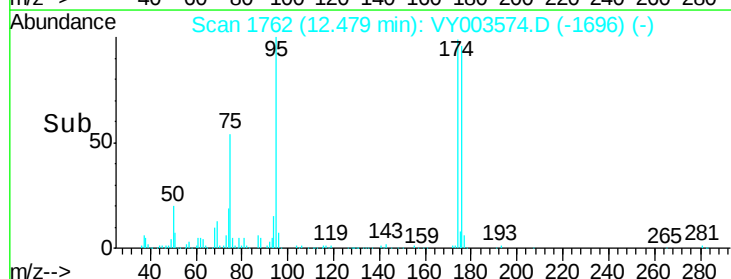
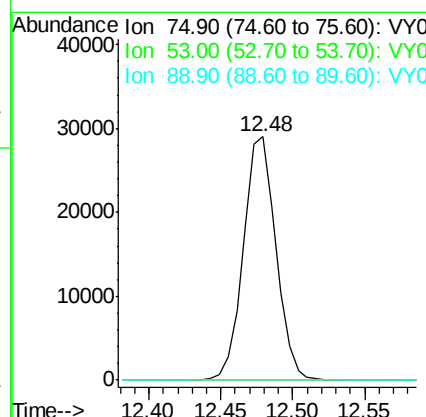
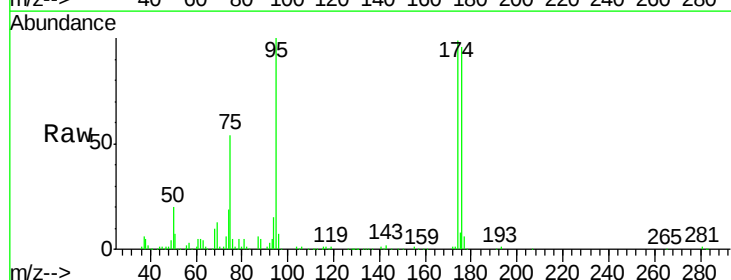
Instrument :
 MSVOA_Y
 ClientSampleId :

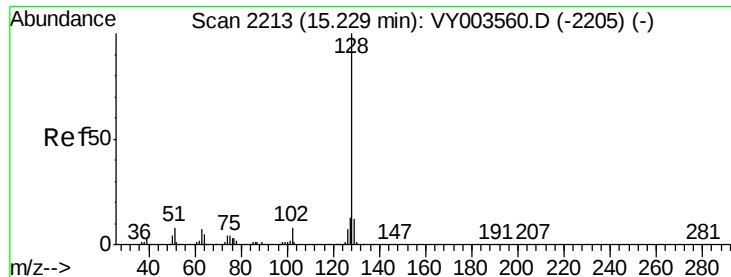
Tot Ion: 75 Resp: 45337
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 76.634 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. 0.10 min
 Lab File: VY003574.D
 Acq: 20 Nov 2020 17:40

Tgt Ion: 75 Resp: 45337
 Ion Ratio Lower Upper
 75 100
 53 0.2 71.4 107.2#
 89 0.2 34.7 52.1#





#95

Naphthalene

Concen: 1.328 ug/l

RT: 15.23 min Scan# 2213

Delta R.T. 0.00 min

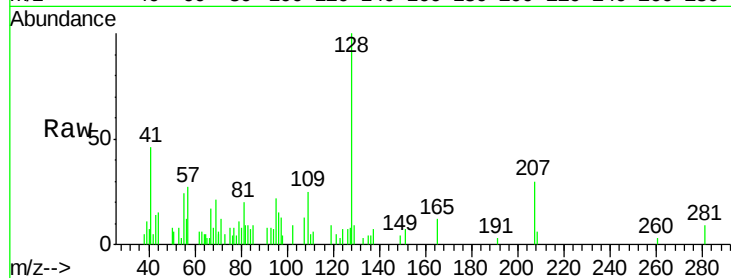
Lab File: VY003574.D

Acq: 20 Nov 2020 17:40

Instrument :

MSVOA_Y

ClientSampleId :



Tot Ion:128 Resp: 3283

Ion Ratio Lower Upper

128 100

127 17.3 10.3 15.5#

129 12.8 9.0 13.4

