

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY110420\
 Data File : VY003509.D
 Acq On : 04 Nov 2020 15:57
 Operator : SY/MD
 Sample : L4631-07
 Misc : 7.06G/5ML/MSVOA Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 PAV-B11-110420-14-15.25

Quant Time: Nov 05 00:26:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y110220S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 02 12:40:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	206411	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	311493	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	273274	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	124317	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.14	65	107269	50.69	ug/l	0.00
Spiked Amount			Recovery	=	101.38%	
35) Dibromofluoromethane	7.72	113	93656	49.41	ug/l	0.00
Spiked Amount			Recovery	=	98.82%	
50) Toluene-d8	10.18	98	359584	45.60	ug/l	0.00
Spiked Amount			Recovery	=	91.20%	
62) 4-Bromofluorobenzene	12.48	95	110112	42.14	ug/l	0.00
Spiked Amount			Recovery	=	84.28%	

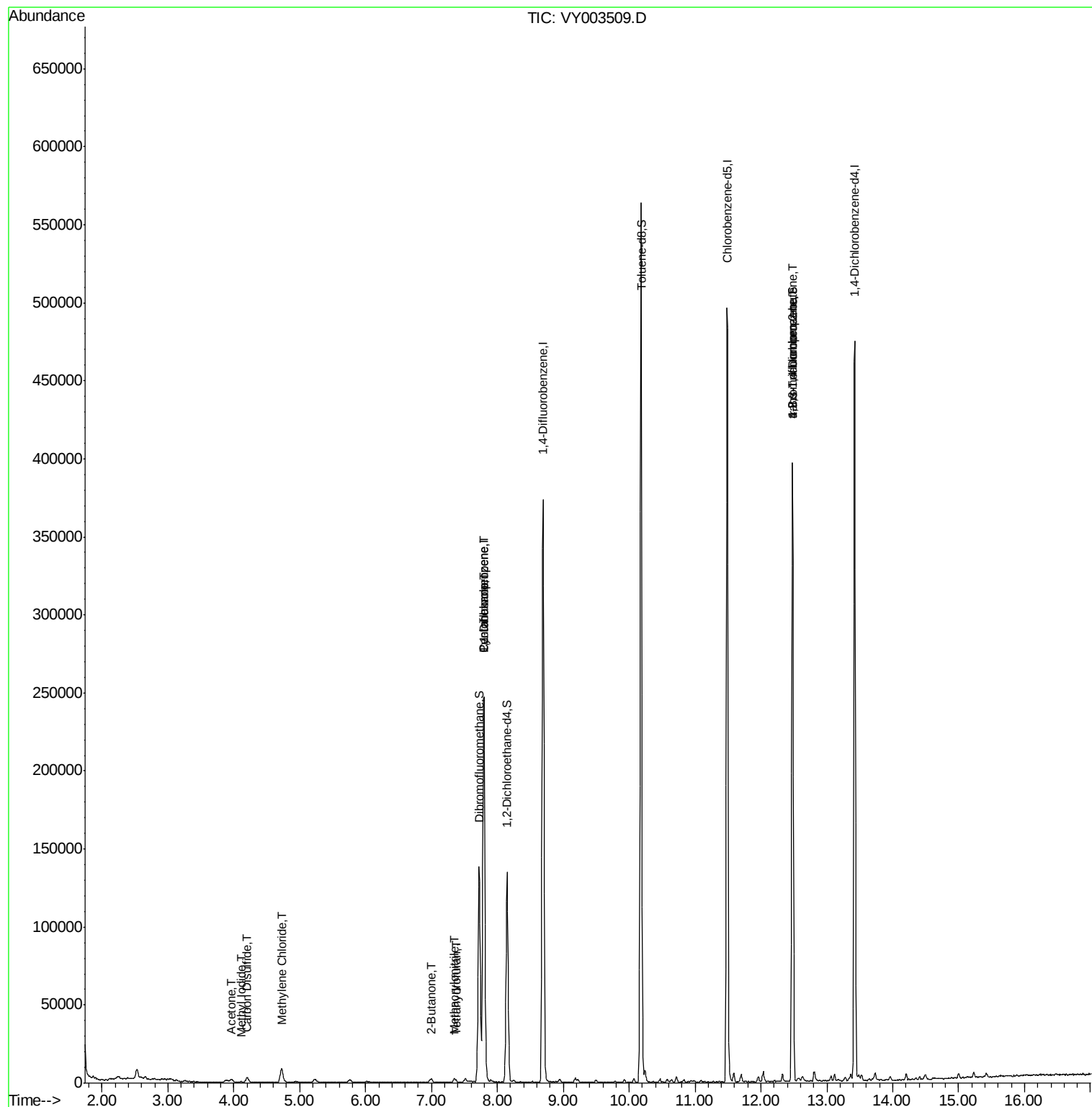
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.10	142	547	4.890	ug/l #	85
11) Tert butyl alcohol	4.96	59	397	Below Cal	#	73
16) Acetone	3.96	43	3514	5.034	ug/l	96
17) Carbon Disulfide	4.20	76	6295	1.154	ug/l #	95
20) Methylene Chloride	4.74	84	6247	3.178	ug/l	87
25) 2-Butanone	6.99	43	989	1.133	ug/l	96
29) Tetrahydrofuran	7.36	42	1238	2.714	ug/l	95
31) Cyclohexane	7.79	56	4791	1.511	ug/l #	1
36) 1,1-Dichloropropene	7.79	75	14096	4.800	ug/l #	50
41) Methacrylonitrile	7.35	41	1040	1.068	ug/l #	100
76) 1,2,3-Trichloropropane	12.48	75	58532	44.499	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	58532	92.876	ug/l #	12

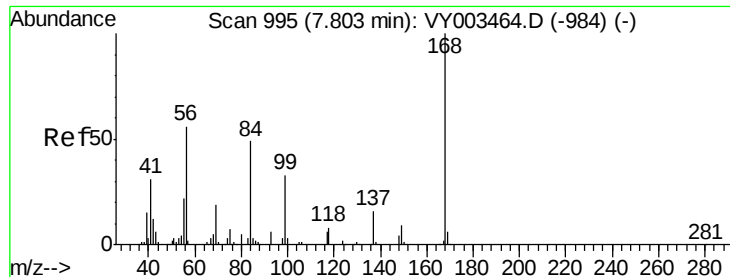
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.01 min

Lab File: VY003509.D

Acq: 04 Nov 2020 15:57

Instrument :

MSVOA_Y

ClientSampleId :

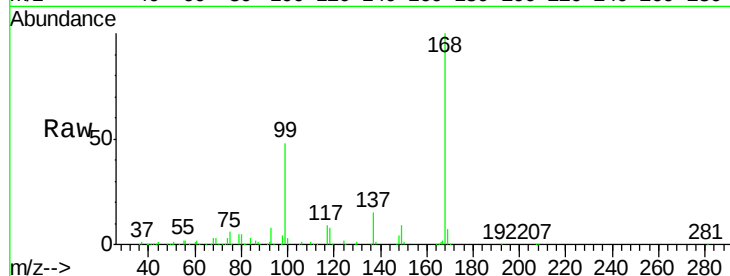
PAV-B11-110420-14-15.25

Tot Ion:168 Resp: 206411

Ion Ratio Lower Upper

168 100

99 48.1 39.7 59.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VY0

7.80

100000

80000

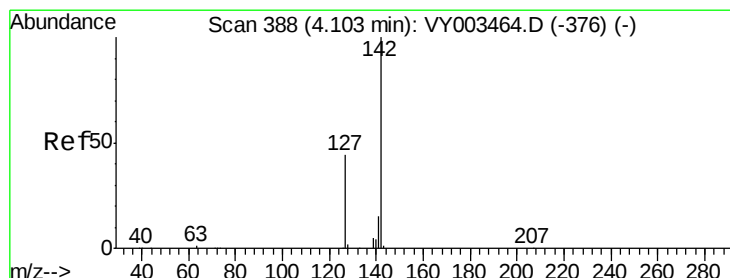
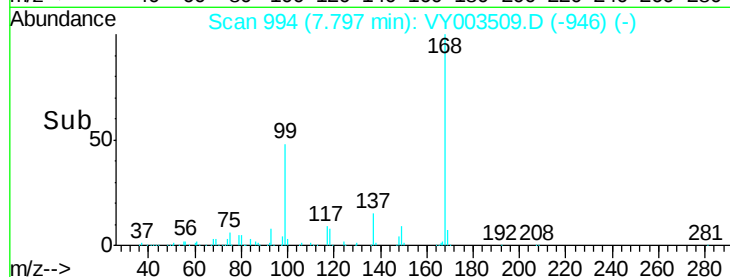
60000

40000

20000

0

Time-->



#10

Methyl Iodide

Concen: 4.890 ug/l

RT: 4.10 min Scan# 388

Delta R.T. 0.00 min

Lab File: VY003509.D

Acq: 04 Nov 2020 15:57

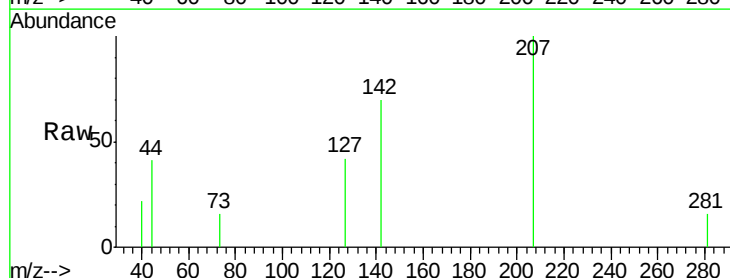
Tgt Ion:142 Resp: 547

Ion Ratio Lower Upper

142 100

127 37.7 34.5 51.7

141 0.0 11.8 17.8#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

4.10

300

250

200

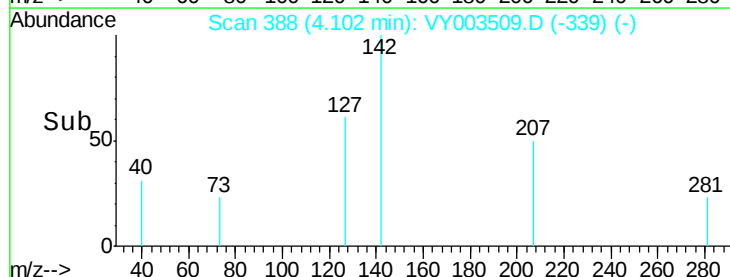
150

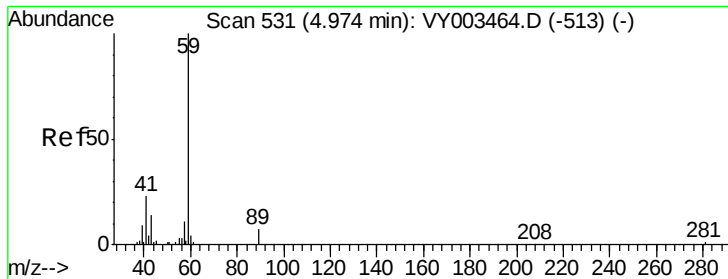
100

50

0

Time-->



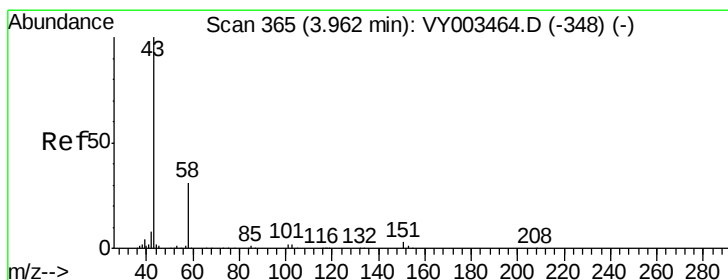
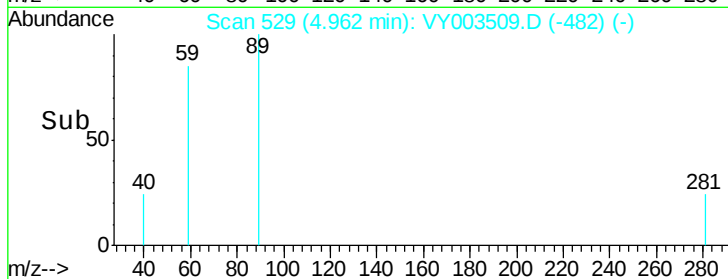
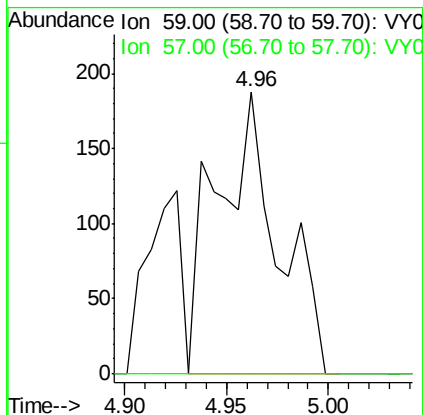
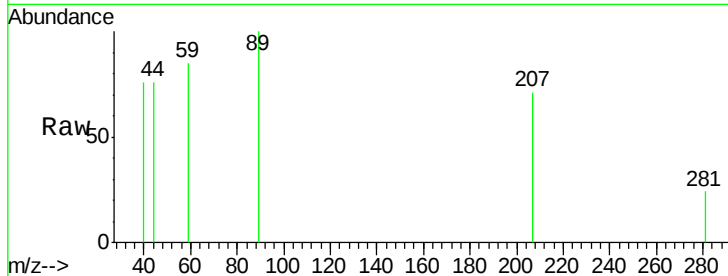


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 4.96 min Scan# 529
 Delta R.T. -0.01 min
 Lab File: VY003509.D
 Acq: 04 Nov 2020 15:57

Instrument :
 MSVOA_Y
 ClientSampleId :
 PAV-B11-110420-14-15.25

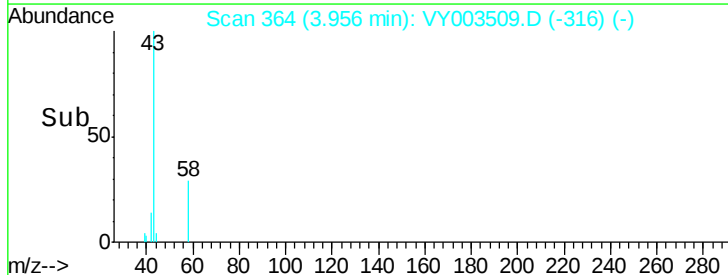
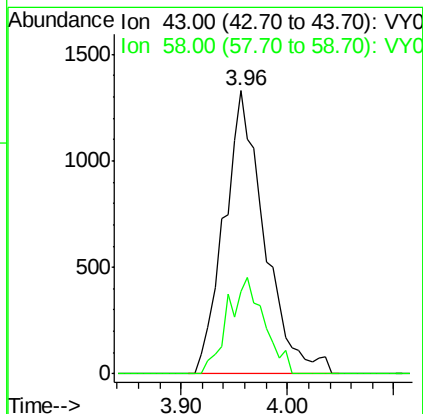
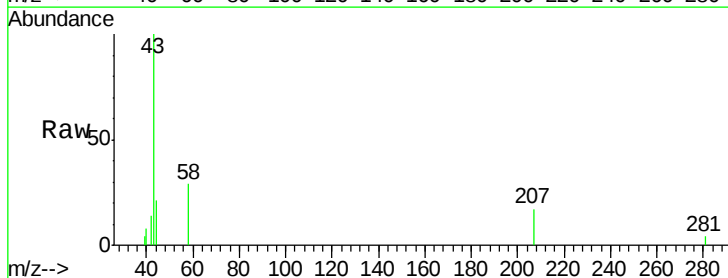
Tot Ion: 59 Resp: 397
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.9 11.9#

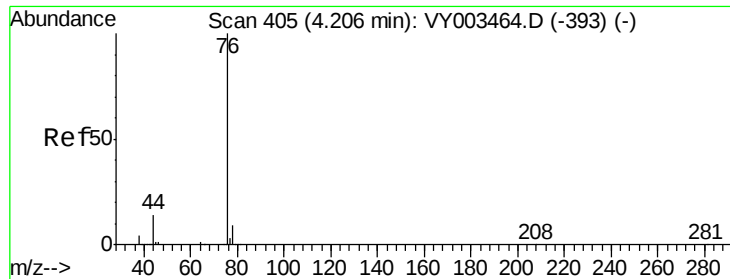


#16

Acetone
 Concen: 5.034 ug/l
 RT: 3.96 min Scan# 364
 Delta R.T. -0.01 min
 Lab File: VY003509.D
 Acq: 04 Nov 2020 15:57

Tgt Ion: 43 Resp: 3514
 Ion Ratio Lower Upper
 43 100
 58 29.0 25.0 37.4

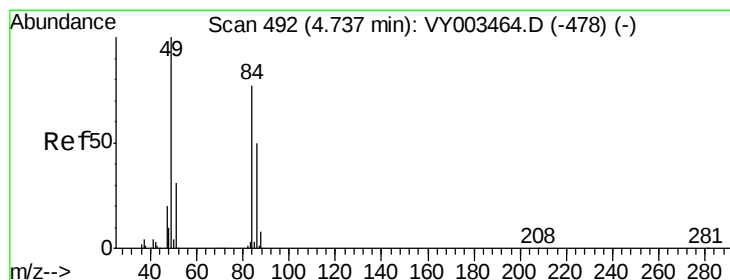
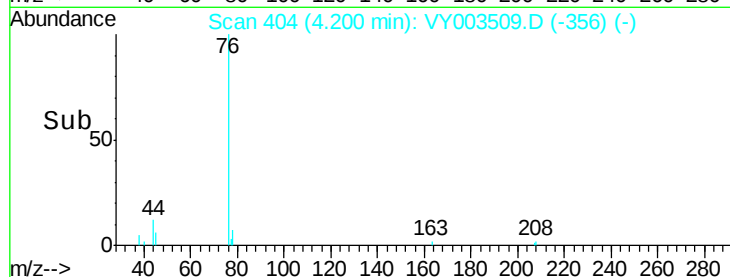
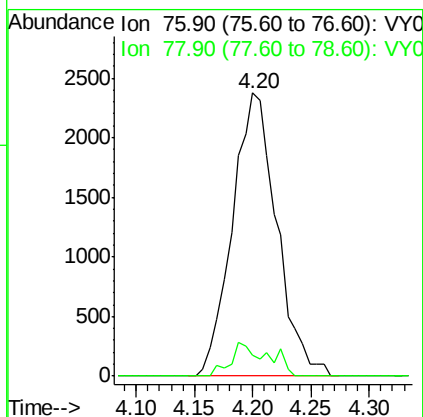
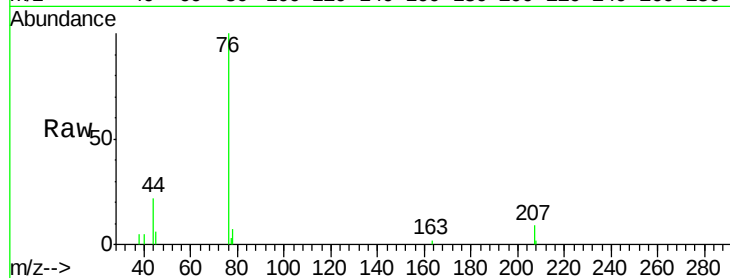




#17
Carbon Disulfide
Concen: 1.154 ug/l
RT: 4.20 min Scan# 404
Delta R.T. -0.01 min
Lab File: VY003509.D
Acq: 04 Nov 2020 15:57

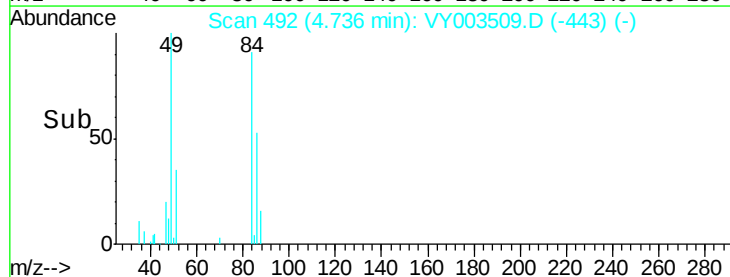
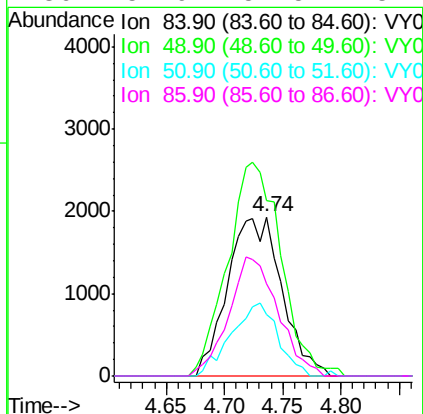
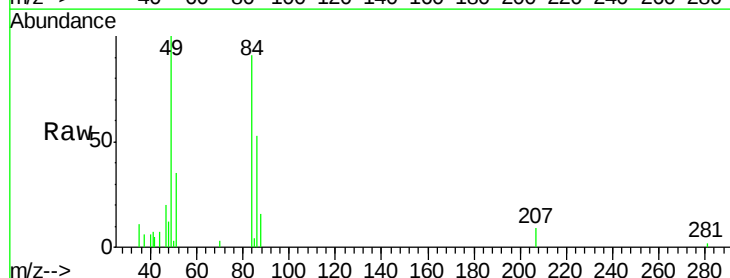
Instrument :
MSVOA_Y
ClientSampleId :
PAV-B11-110420-14-15.25

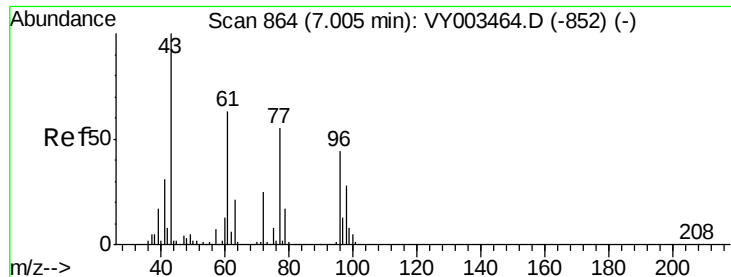
Tot Ion: 76 Resp: 6295
Ion Ratio Lower Upper
76 100
78 7.4 7.4 11.2#



#20
Methylene Chloride
Concen: 3.178 ug/l
RT: 4.74 min Scan# 492
Delta R.T. -0.00 min
Lab File: VY003509.D
Acq: 04 Nov 2020 15:57

Tgt Ion: 84 Resp: 6247
Ion Ratio Lower Upper
84 100
49 109.9 104.3 156.5
51 38.5 32.5 48.7
86 57.9 52.5 78.7





#25

2-Butanone

Concen: 1.133 ug/l

RT: 6.99 min Scan# 862

Delta R.T. -0.01 min

Lab File: VY003509.D

Acq: 04 Nov 2020 15:57

Instrument :

MSVOA_Y

ClientSampleId :

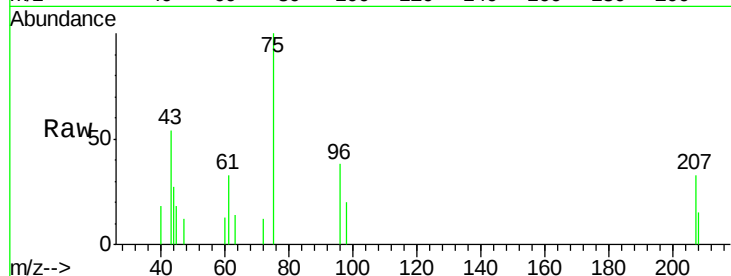
PAV-B11-110420-14-15.25

Tot Ion: 43 Resp: 989

Ion Ratio Lower Upper

43 100

72 22.9 20.1 30.1



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0

6.99

300

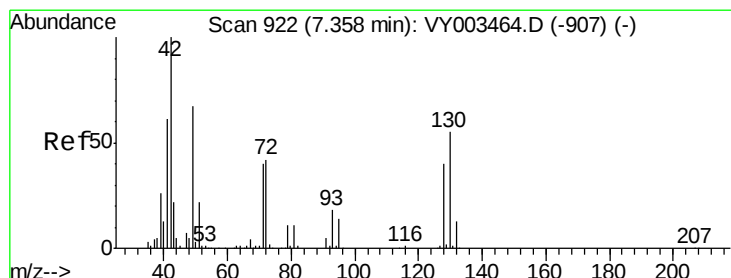
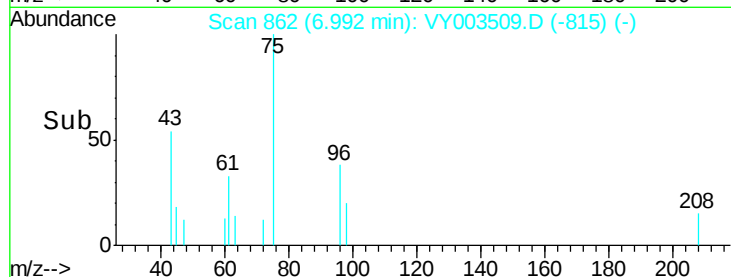
200

100

0

6.95 7.00 7.05

Time-->



#29

Tetrahydrofuran

Concen: 2.714 ug/l

RT: 7.36 min Scan# 923

Delta R.T. 0.01 min

Lab File: VY003509.D

Acq: 04 Nov 2020 15:57

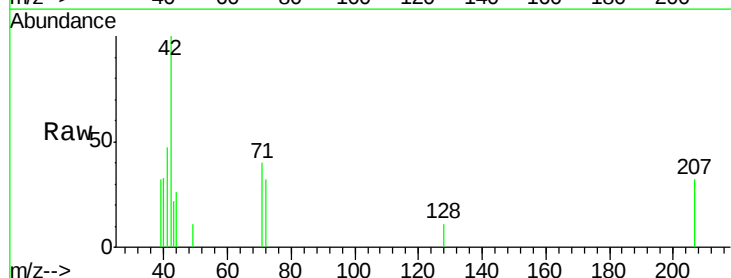
Tgt Ion: 42 Resp: 1238

Ion Ratio Lower Upper

42 100

72 42.4 32.8 49.2

71 33.1 30.7 46.1



Abundance Ion 42.00 (41.70 to 42.70): VY0

Ion 72.00 (71.70 to 72.70): VY0

Ion 71.00 (70.70 to 71.70): VY0

600

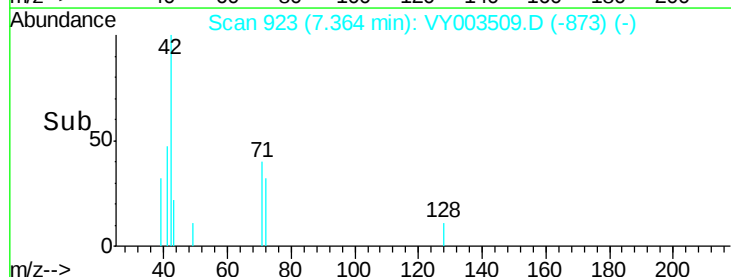
400

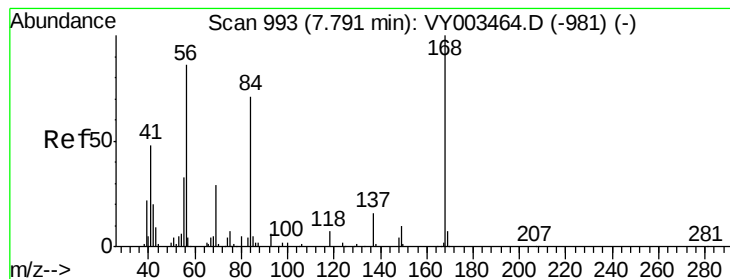
200

0

7.30 7.35 7.40

Time-->





#31

Cyclohexane

Concen: 1.511 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.00 min

Lab File: VY003509.D

Acq: 04 Nov 2020 15:57

Instrument :

MSVOA_Y

ClientSampleId :

PAV-B11-110420-14-15.25

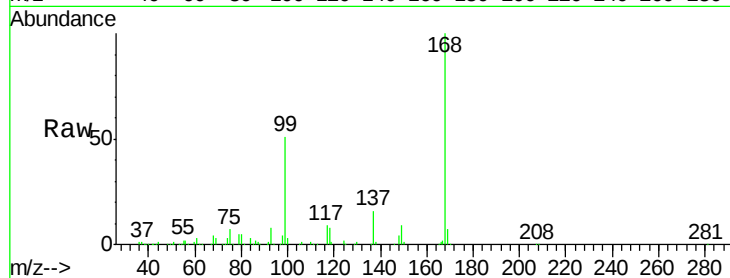
Tot Ion: 56 Resp: 4791

Ion Ratio Lower Upper

56 100

69 155.8 26.6 39.8#

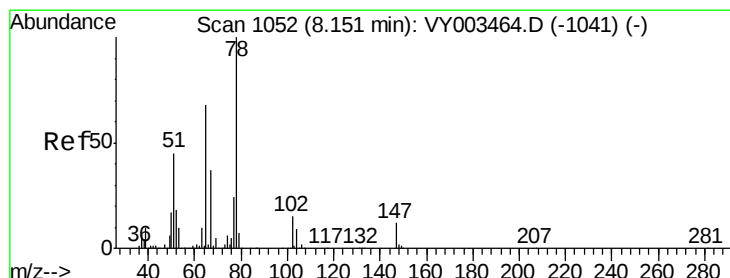
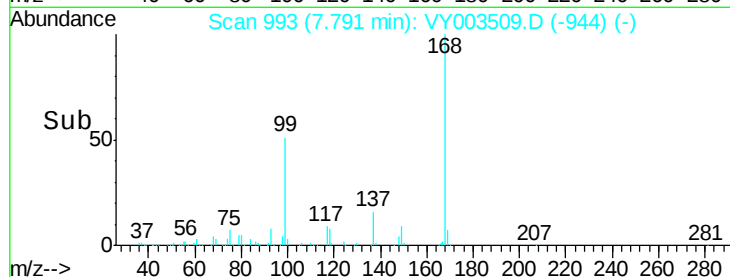
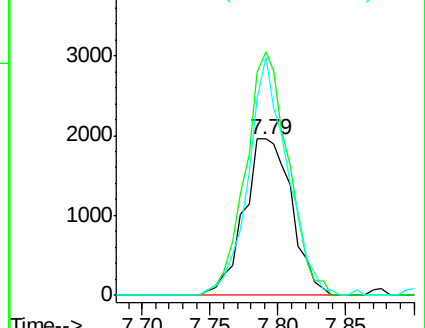
84 152.4 65.9 98.9#



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: 50.692 ug/l

RT: 8.14 min Scan# 1051

Delta R.T. -0.01 min

Lab File: VY003509.D

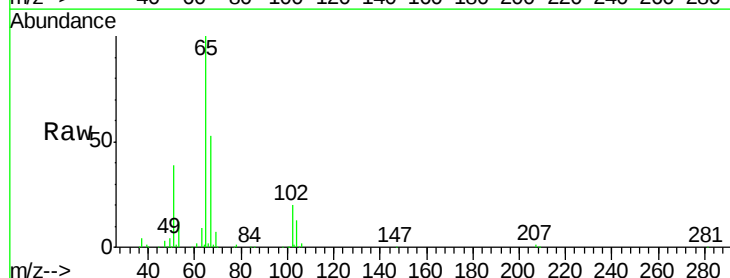
Acq: 04 Nov 2020 15:57

Tgt Ion: 65 Resp: 107269

Ion Ratio Lower Upper

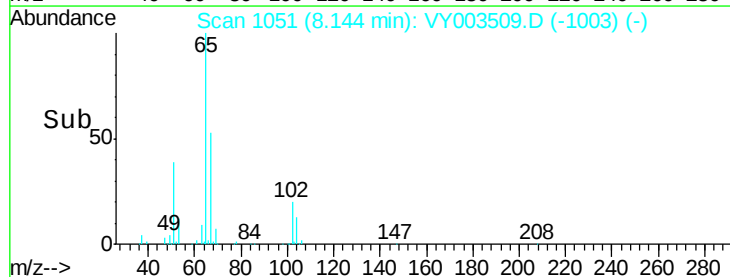
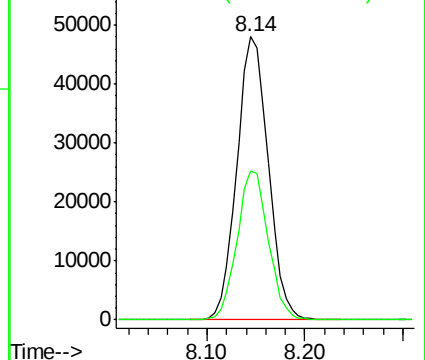
65 100

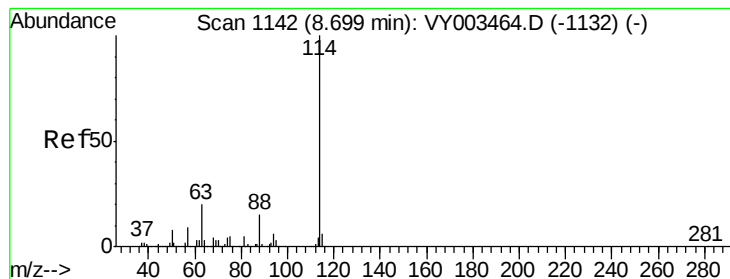
67 52.2 0.0 106.0



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. -0.01 min

Lab File: VY003509.D

Acq: 04 Nov 2020 15:57

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PAV-B11-110420-14-15.25

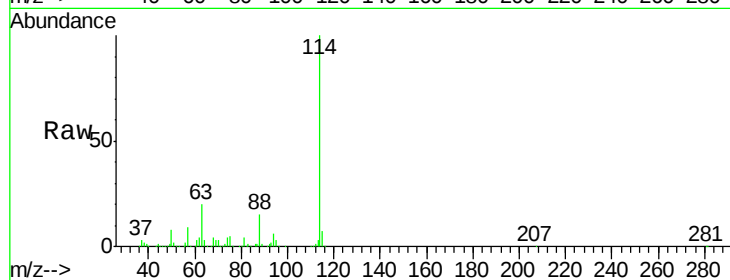
Tot Ion:114 Resp: 311493

Ion Ratio Lower Upper

114 100

63 20.3 0.0 40.6

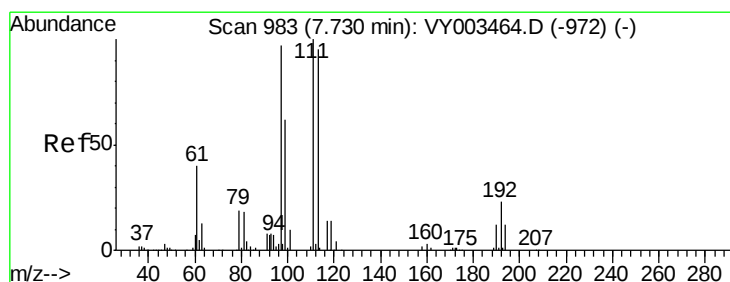
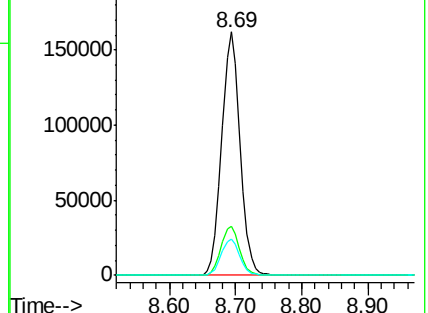
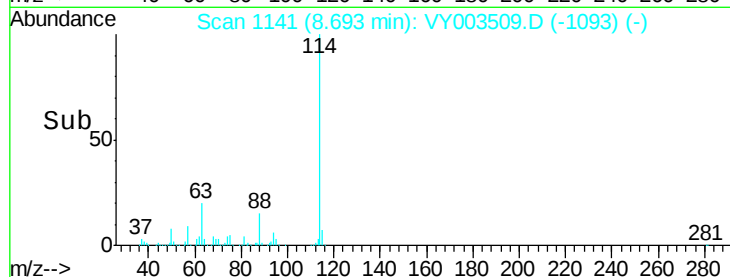
88 14.8 0.0 29.4



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: 49.409 ug/l

RT: 7.72 min Scan# 982

Delta R.T. -0.01 min

Lab File: VY003509.D

Acq: 04 Nov 2020 15:57

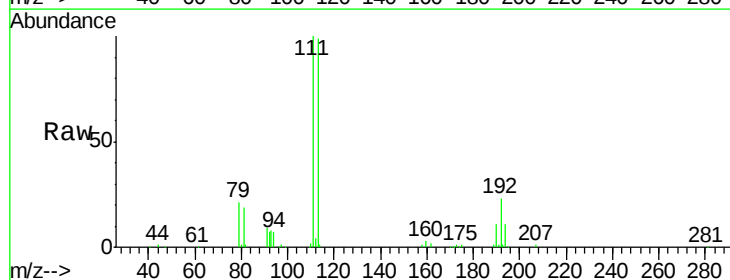
Tgt Ion:113 Resp: 93656

Ion Ratio Lower Upper

113 100

111 103.2 81.8 122.6

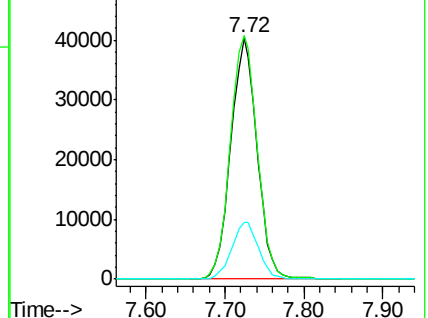
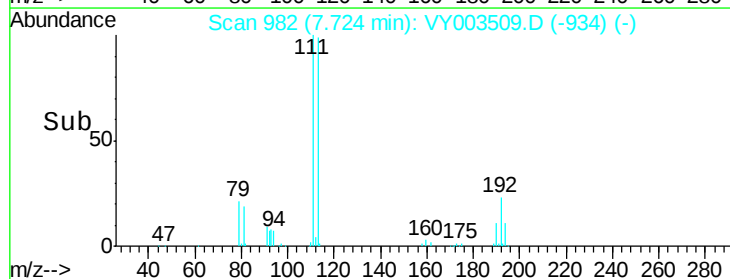
192 23.7 18.8 28.2

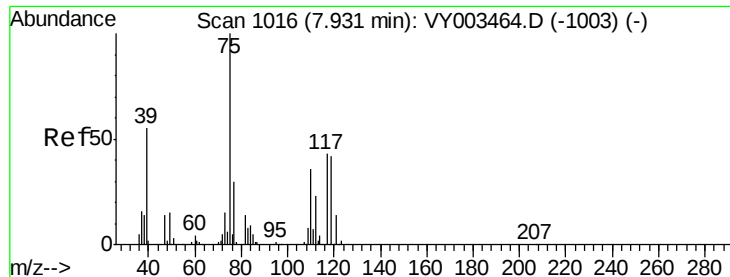


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

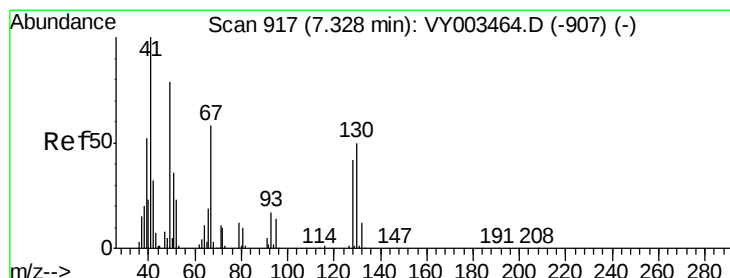
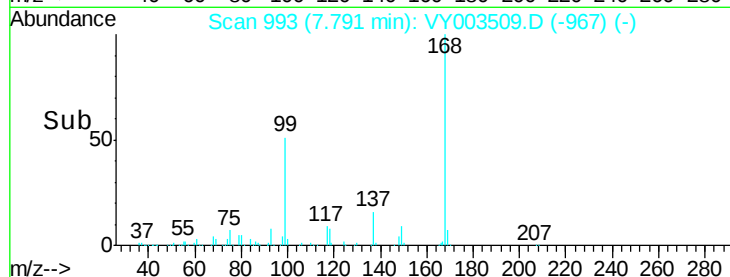
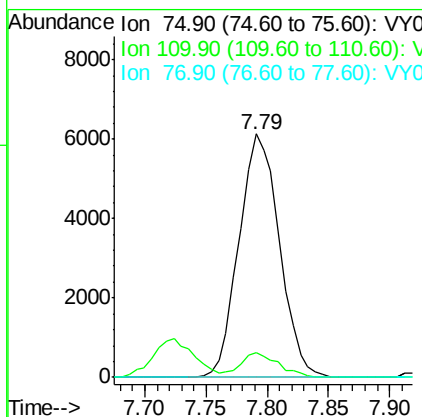
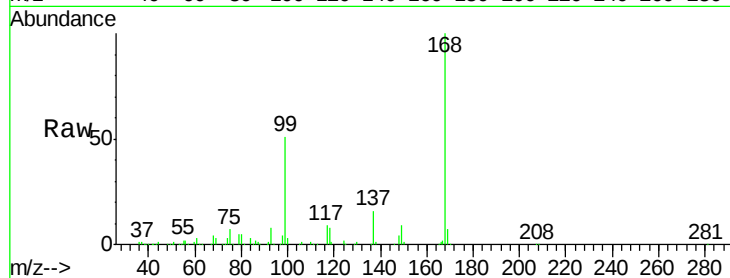




#36
 1,1-Dichloropropene
 Concen: 4.800 ug/l
 RT: 7.79 min Scan# 993
 Delta R.T. -0.14 min
 Lab File: VY003509.D
 Acq: 04 Nov 2020 15:57

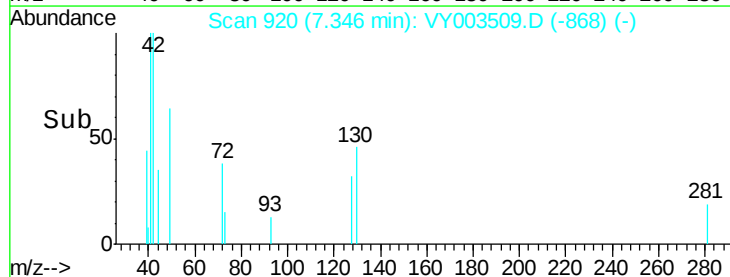
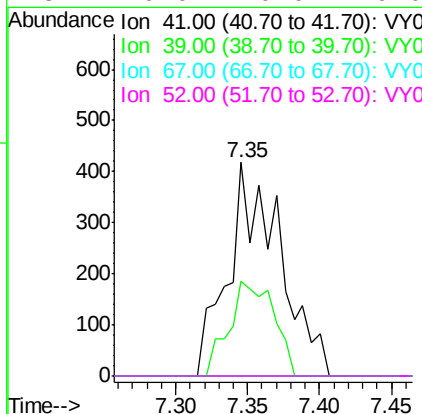
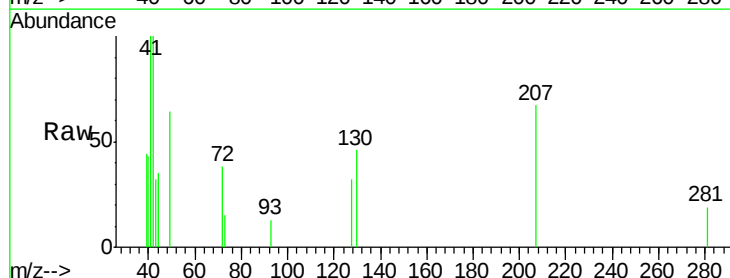
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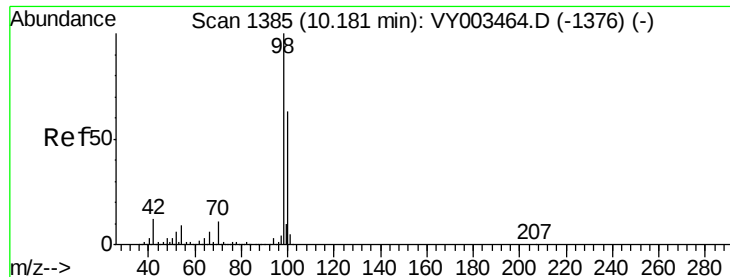
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.5	17.6	52.9#
77	0.0	24.7	37.1#



#41
 Methacrylonitrile
 Concen: 1.068 ug/l
 RT: 7.35 min Scan# 920
 Delta R.T. 0.02 min
 Lab File: VY003509.D
 Acq: 04 Nov 2020 15:57

Tgt Ion	Ratio	Lower	Upper
41	100		
39	38.6	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0





#50

Toluene-d8

Concen: 45.601 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY003509.D

Acq: 04 Nov 2020 15:57

Instrument :

MSVOA_Y

ClientSampleId :

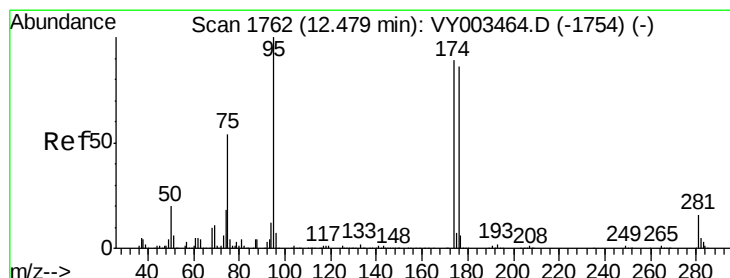
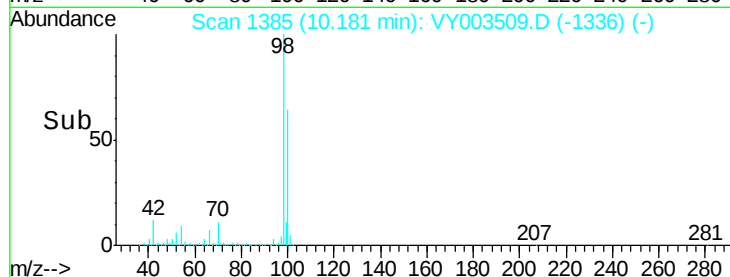
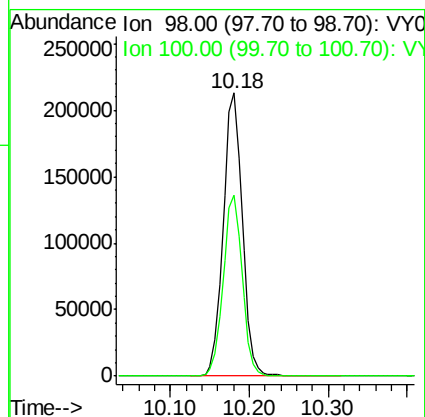
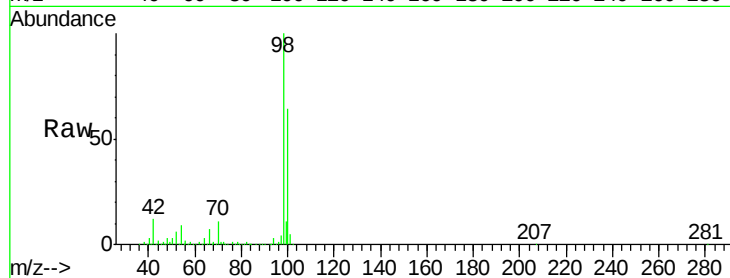
PAV-B11-110420-14-15.25

Tot Ion: 98 Resp: 359584

Ion Ratio Lower Upper

98 100

100 63.5 50.9 76.3



#62

4-Bromofluorobenzene

Concen: 42.145 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY003509.D

Acq: 04 Nov 2020 15:57

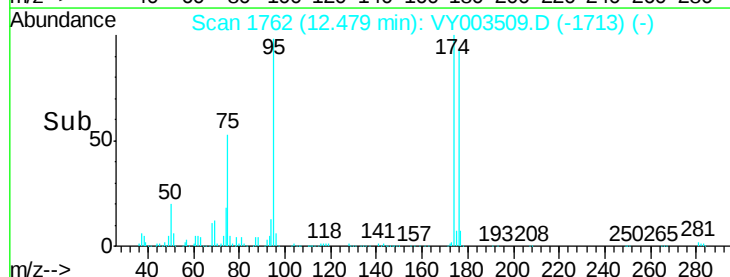
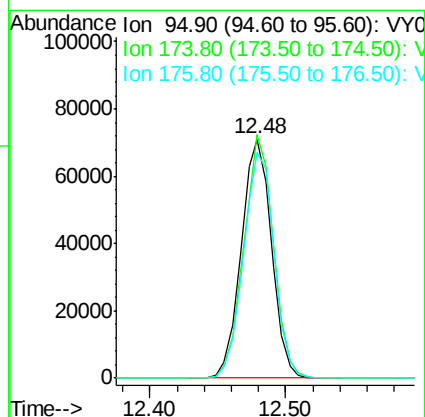
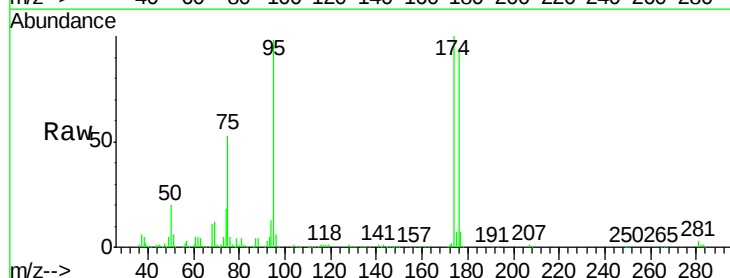
Tgt Ion: 95 Resp: 110112

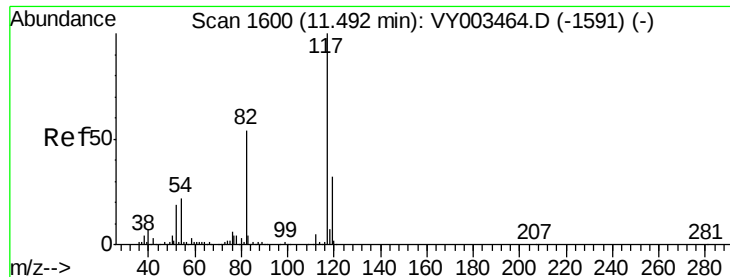
Ion Ratio Lower Upper

95 100

174 99.7 0.0 193.0

176 95.3 0.0 187.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1599

Delta R.T. -0.01 min

Lab File: VY003509.D

Acq: 04 Nov 2020 15:57

Instrument :

MSVOA_Y

ClientSampleId :

PAV-B11-110420-14-15.25

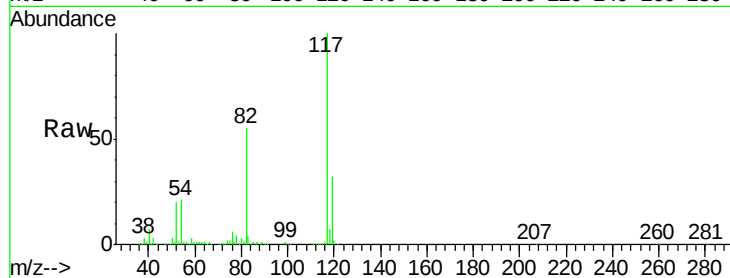
Tot Ion:117 Resp: 273274

Ion Ratio Lower Upper

117 100

82 55.2 43.4 65.2

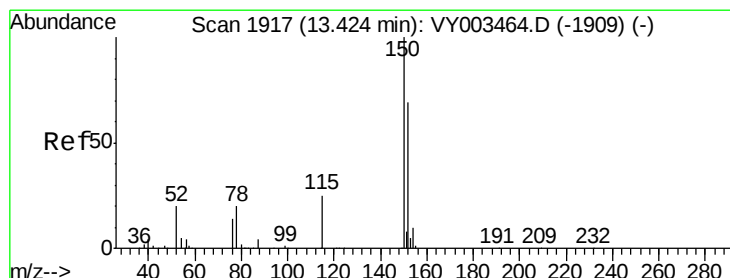
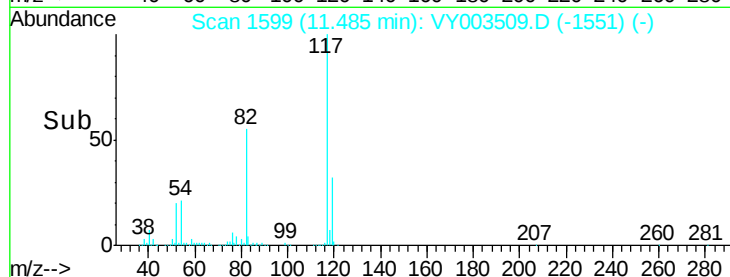
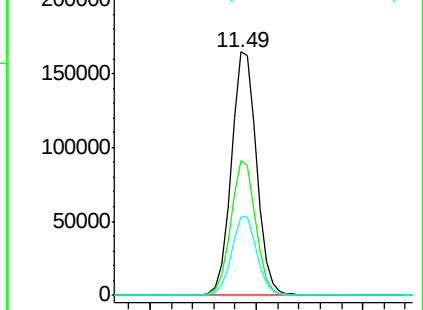
119 32.3 25.8 38.6



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# 1917

Delta R.T. -0.00 min

Lab File: VY003509.D

Acq: 04 Nov 2020 15:57

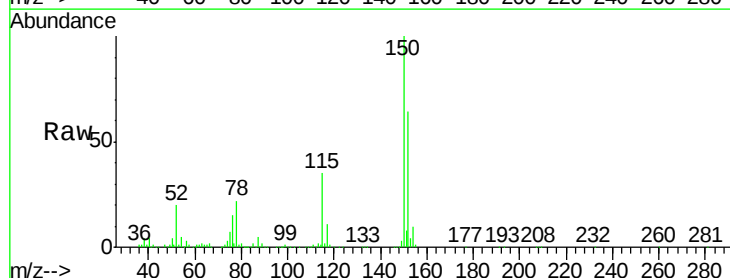
Tgt Ion:152 Resp: 124317

Ion Ratio Lower Upper

152 100

115 54.1 27.5 82.4

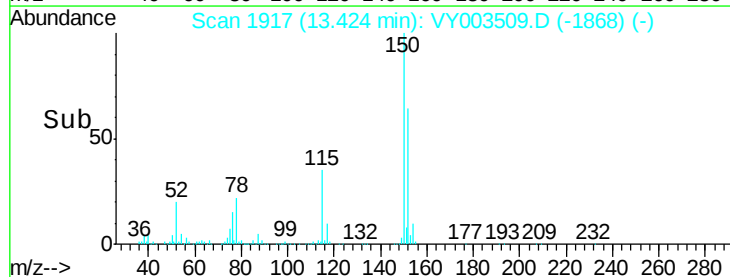
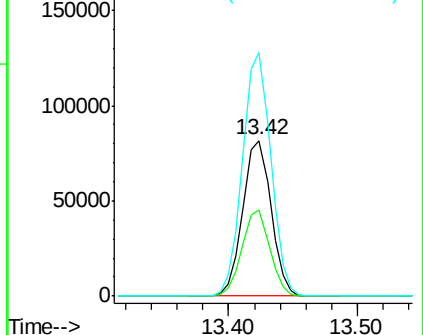
150 156.1 0.0 345.8

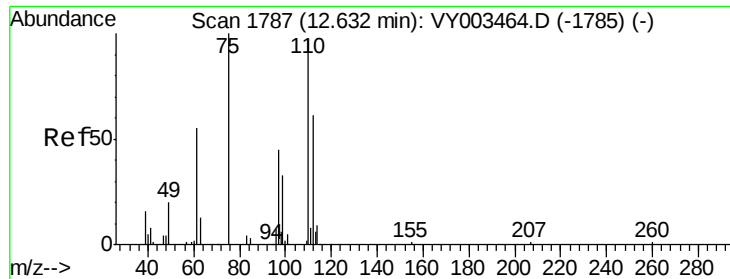


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 44.499 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY003509.D

Acq: 04 Nov 2020 15:57

Instrument :

MSVOA_Y

ClientSampleId :

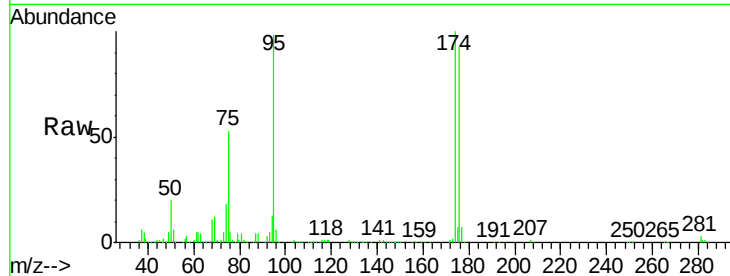
PAV-B11-110420-14-15.25

Tot Ion: 75 Resp: 58532

Ion Ratio Lower Upper

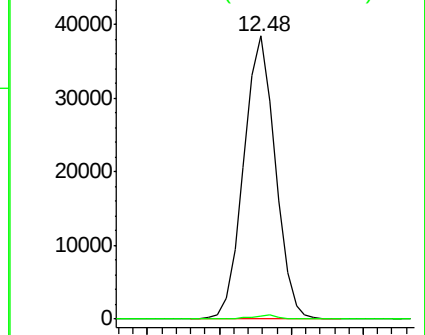
75 100

77 1.3 0.0 0.0#

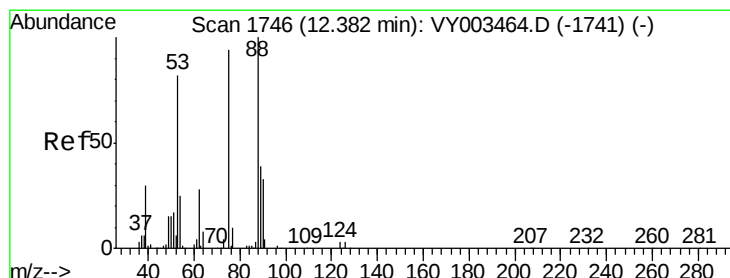
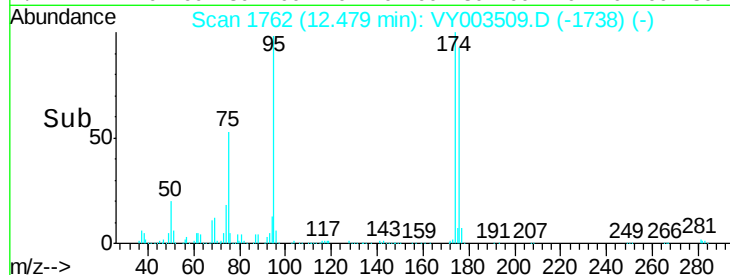


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0



Time--> 12.40 12.45 12.50 12.55



#81

trans-1,4-Dichloro-2-butene

Concen: 92.876 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY003509.D

Acq: 04 Nov 2020 15:57

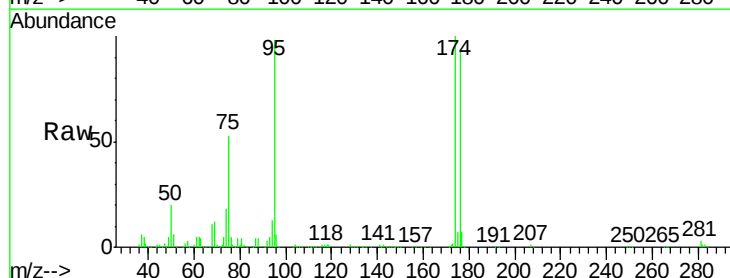
Tgt Ion: 75 Resp: 58532

Ion Ratio Lower Upper

75 100

53 0.1 74.7 112.1#

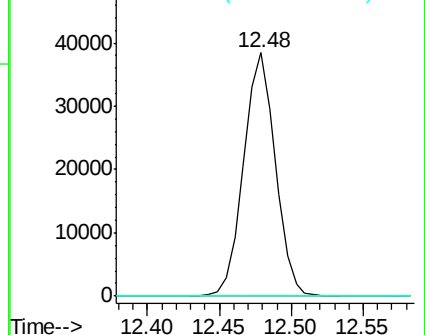
89 0.0 35.8 53.8#



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



Time--> 12.40 12.45 12.50 12.55

