

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY110420\
 Data File : VY003508.D
 Acq On : 04 Nov 2020 15:35
 Operator : SY/MD
 Sample : L4631-01
 Misc : 5.71G/5ML/MSVOA Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 PAV-B11-110420-0-1

Quant Time: Nov 05 00:26:20 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	7.79	168	240537	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.69	114	356251	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	285425	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	100679	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.14	65	110165	44.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.34%	
35) Dibromofluoromethane	7.72	113	100000	46.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.26%	
50) Toluene-d8	10.18	98	371470	41.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.38%	
62) 4-Bromofluorobenzene	12.48	95	97649	32.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	65.36%	

Target Compounds

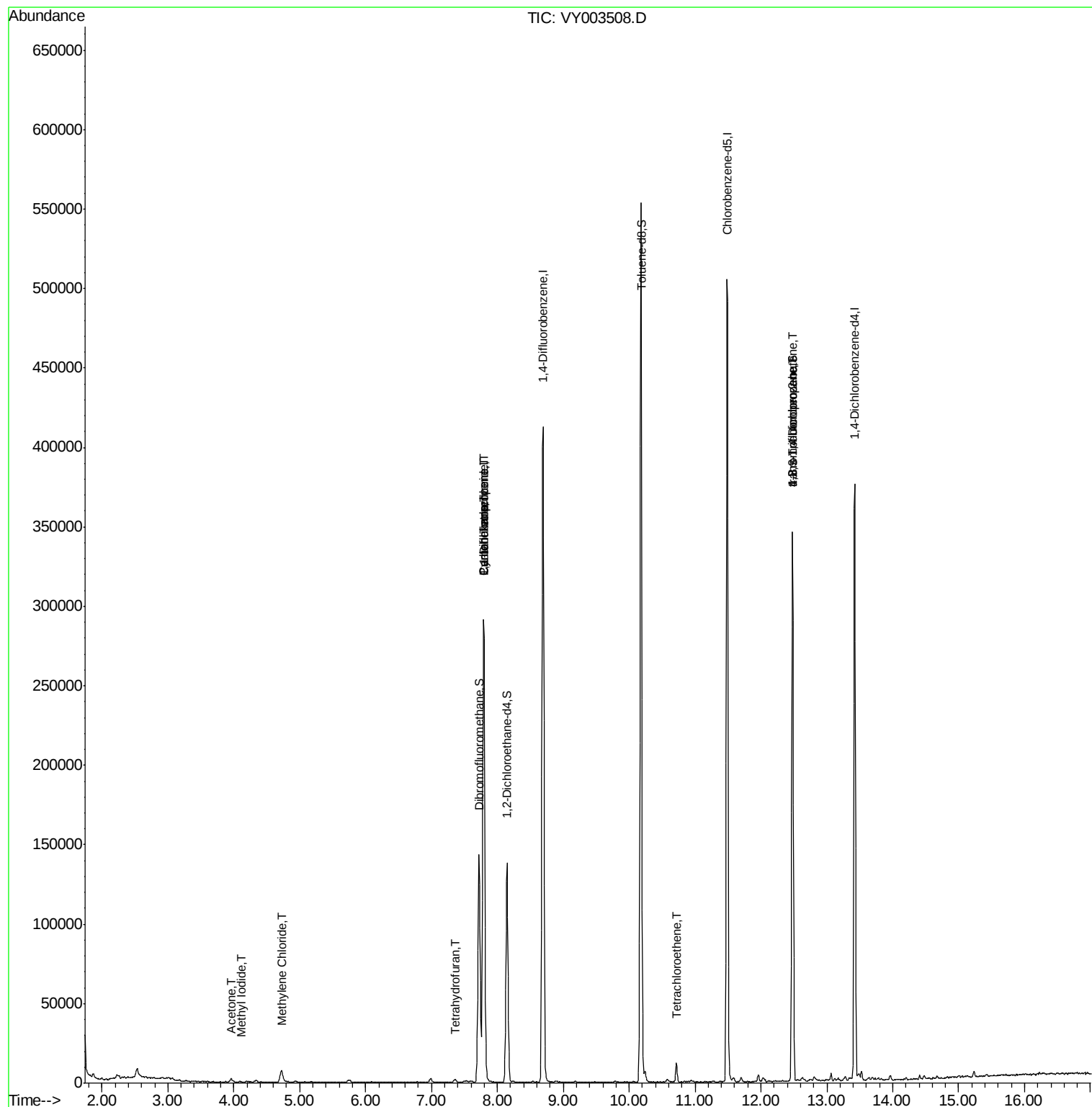
					Qvalue
10) Methyl Iodide	4.11	142	655	4.898 ug/l #	88
11) Tert butyl alcohol	4.95	59	499	Below Cal #	73
16) Acetone	3.96	43	3924	4.824 ug/l	97
20) Methylene Chloride	4.72	84	5233	2.284 ug/l	97
29) Tetrahydrofuran	7.36	42	1323	2.489 ug/l	95
31) Cyclohexane	7.79	56	4779	1.293 ug/l #	1
36) 1,1-Dichloropropene	7.79	75	16808	5.004 ug/l #	50
38) Carbon Tetrachloride	7.79	117	21041	6.038 ug/l #	17
64) Tetrachloroethene	10.72	164	2683	1.259 ug/l #	86
76) 1,2,3-Trichloropropane	12.48	75	51442	48.291 ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	51442	100.791 ug/l #	12

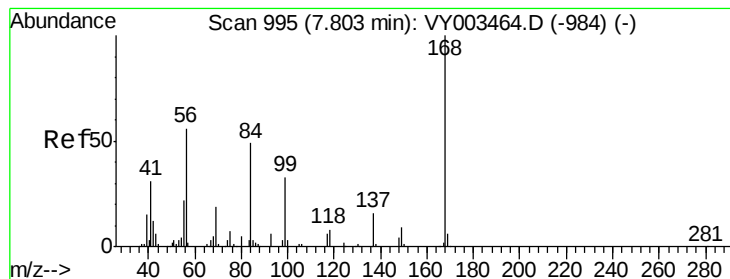
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VY003508.D
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y110220S.M
Quant Title : SW846 8260
QLast Update : Mon Nov 02 12:40:51 2020
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: VY003508.D

Acq: 04 Nov 2020 15:35

Instrument :

MSVOA_Y

ClientSampleId :

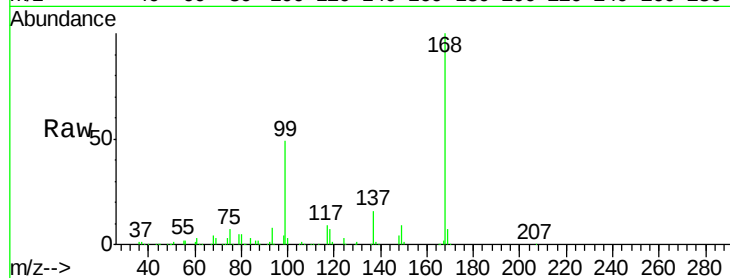
PAV-B11-110420-0-1

Tot Ion:168 Resp: 240537

Ion Ratio Lower Upper

168 100

99 49.5 39.7 59.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VY0

7.79

120000

100000

80000

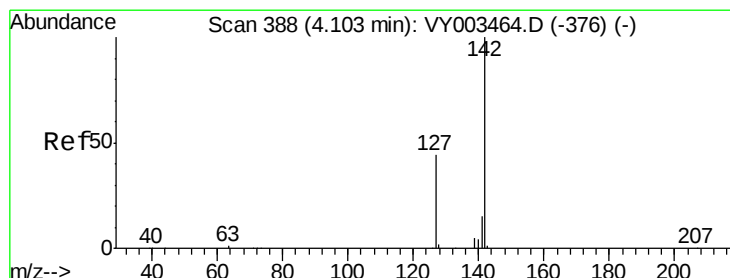
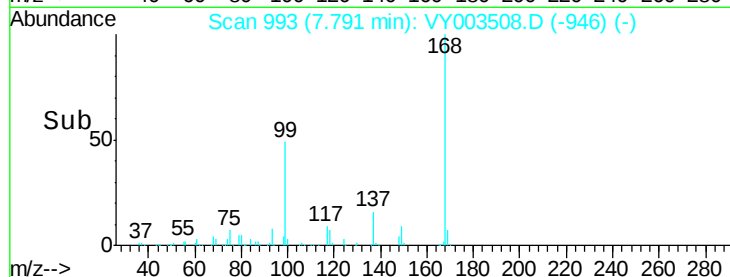
60000

40000

20000

0

Time-->



#10

Methyl Iodide

Concen: 4.898 ug/l

RT: 4.11 min Scan# 389

Delta R.T. 0.01 min

Lab File: VY003508.D

Acq: 04 Nov 2020 15:35

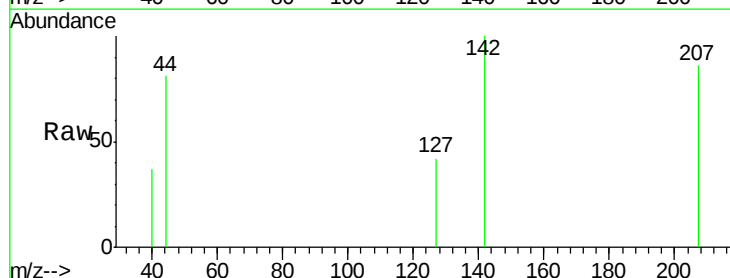
Tgt Ion:142 Resp: 655

Ion Ratio Lower Upper

142 100

127 40.9 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

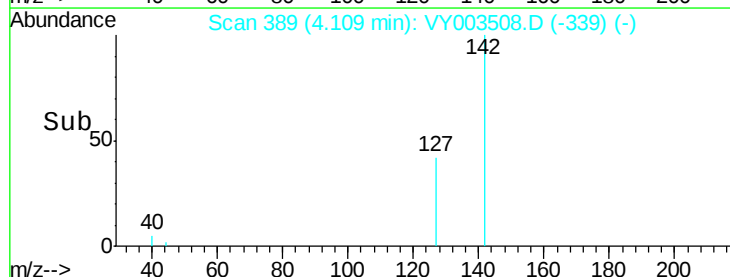
300

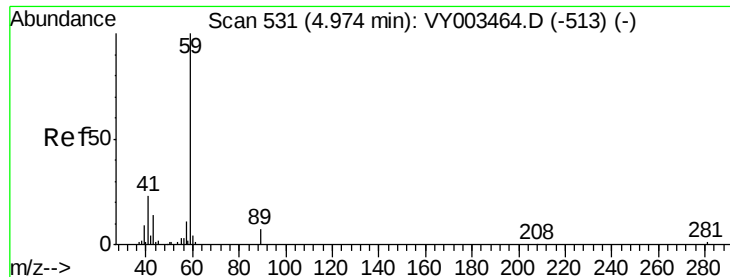
200

100

0

Time-->



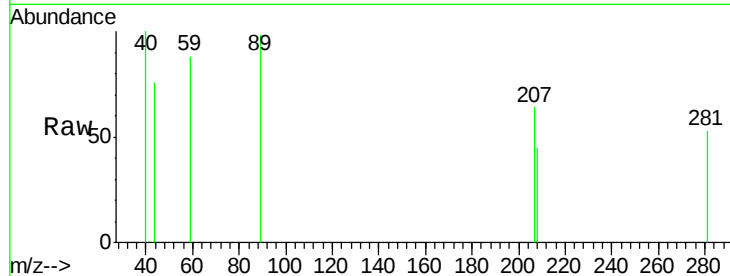


#11

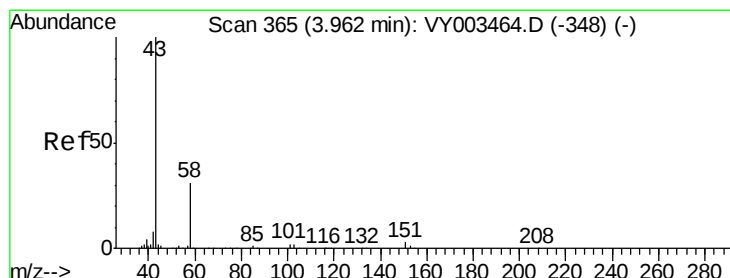
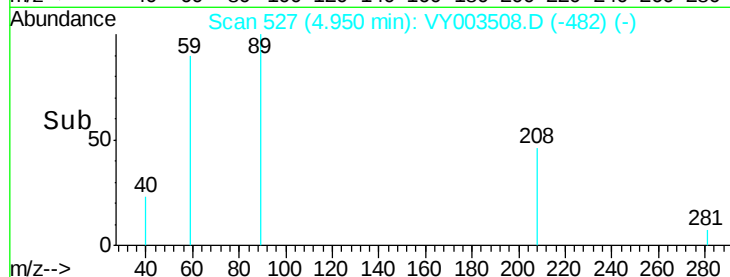
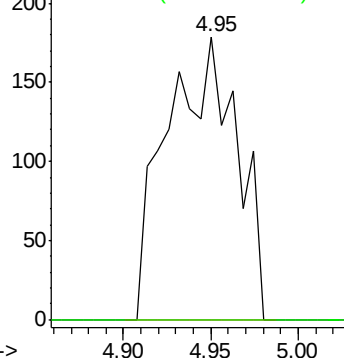
Tert butyl alcohol
 Concen: Below Cal
 RT: 4.95 min Scan# 527
 Delta R.T. -0.02 min
 Lab File: VY003508.D
 Acq: 04 Nov 2020 15:35

Instrument :
 MSVOA_Y
 ClientSampleId :
 PAV-B11-110420-0-1

Tot Ion: 59 Resp: 499
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.9 11.9#



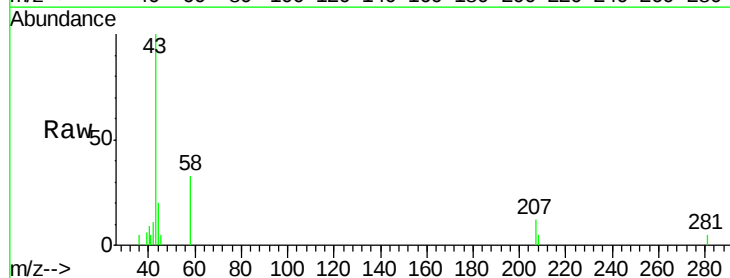
Abundance Ion 59.00 (58.70 to 59.70): VY0
 Ion 57.00 (56.70 to 57.70): VY0



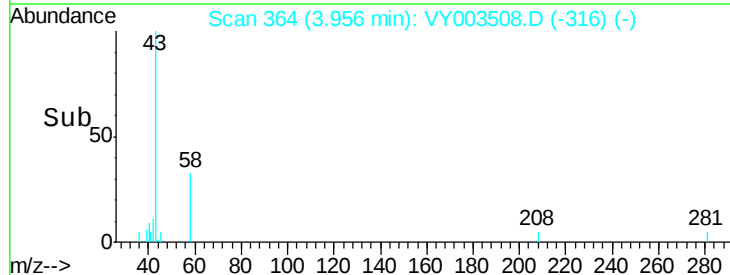
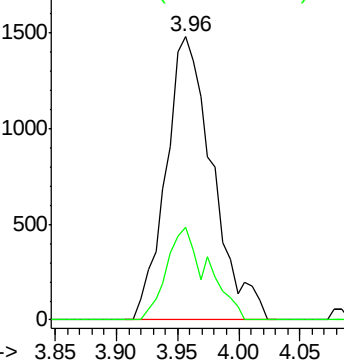
#16

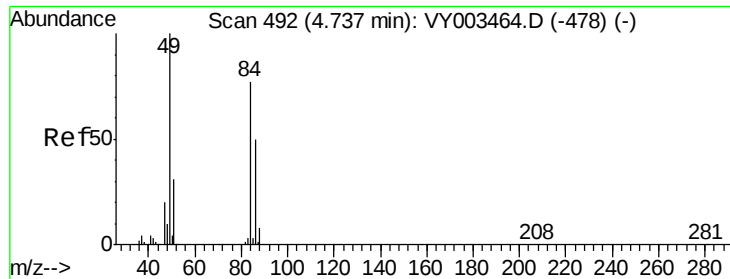
Acetone
 Concen: 4.824 ug/l
 RT: 3.96 min Scan# 364
 Delta R.T. -0.01 min
 Lab File: VY003508.D
 Acq: 04 Nov 2020 15:35

Tgt Ion: 43 Resp: 3924
 Ion Ratio Lower Upper
 43 100
 58 32.7 25.0 37.4



Abundance Ion 43.00 (42.70 to 43.70): VY0
 Ion 58.00 (57.70 to 58.70): VY0

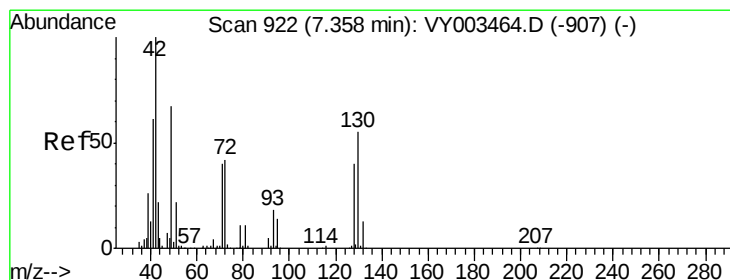
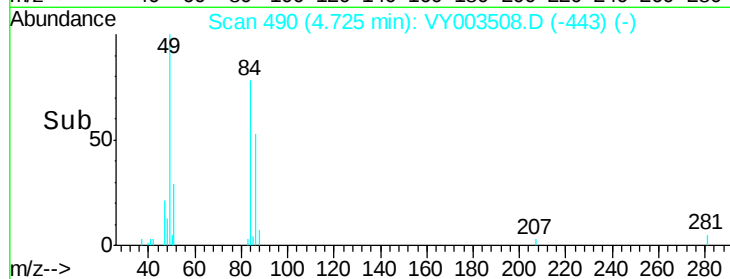
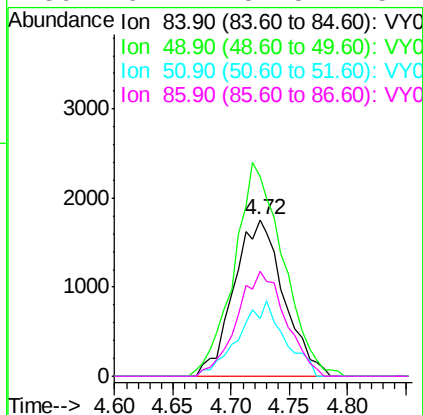
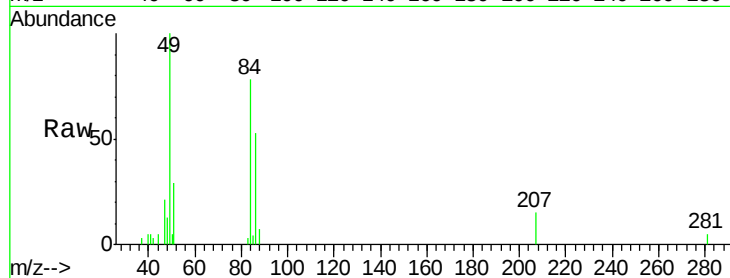




#20
Methvlene Chloride
Concen: 2.284 ug/l
RT: 4.72 min Scan# 490
Delta R.T. -0.01 min
Lab File: VY003508.D
Acq: 04 Nov 2020 15:35

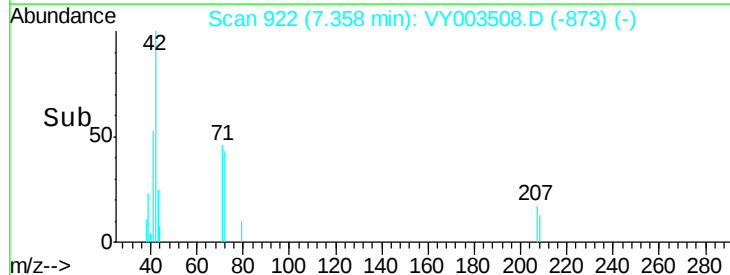
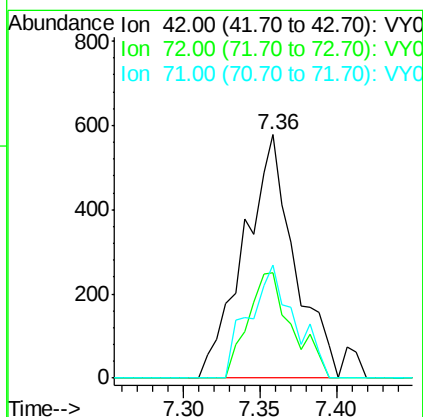
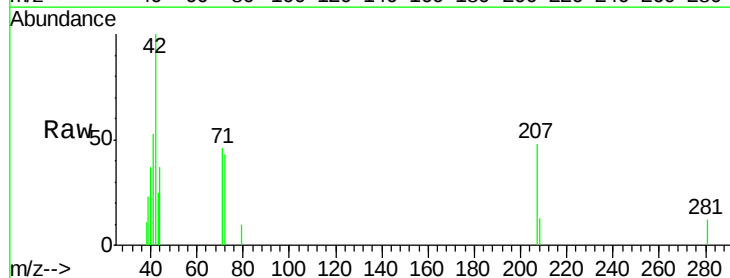
Instrument :
MSVOA_Y
ClientSampleId :
PAV-B11-110420-0-1

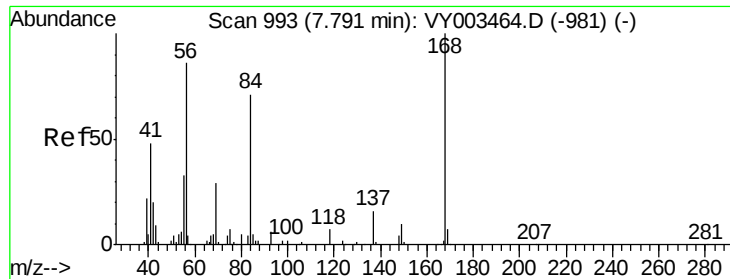
Tot Ion:	84	Resp:	5233
Ion	Ratio	Lower	Upper
84	100		
49	127.6	104.3	156.5
51	37.0	32.5	48.7
86	67.1	52.5	78.7



#29
Tetrahydrofuran
Concen: 2.489 ug/l
RT: 7.36 min Scan# 922
Delta R.T. 0.00 min
Lab File: VY003508.D
Acq: 04 Nov 2020 15:35

Tgt Ion:	42	Resp:	1323
Ion	Ratio	Lower	Upper
42	100		
72	38.0	32.8	49.2
71	42.1	30.7	46.1

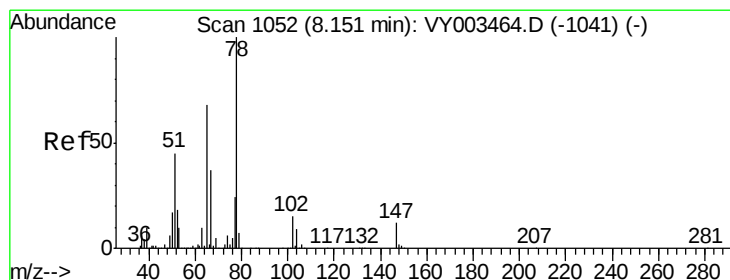
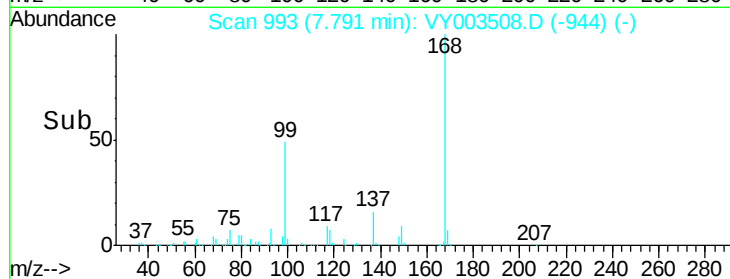
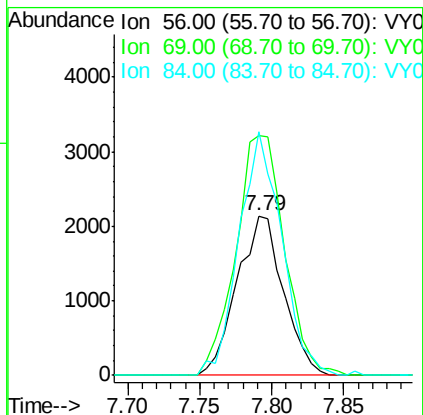
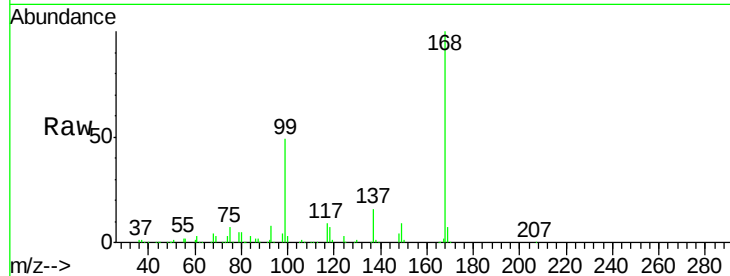




#31
Cyclohexane
Concen: 1.293 ug/l
RT: 7.79 min Scan# 993
Delta R.T. 0.00 min
Lab File: VY003508.D
Acq: 04 Nov 2020 15:35

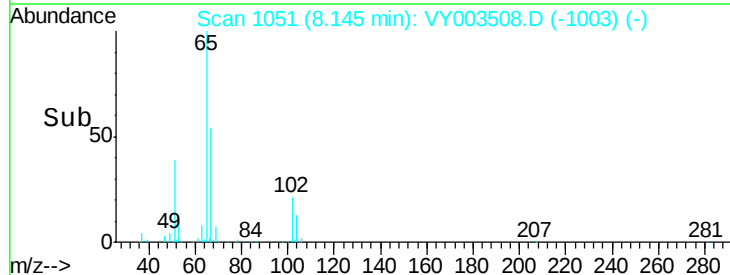
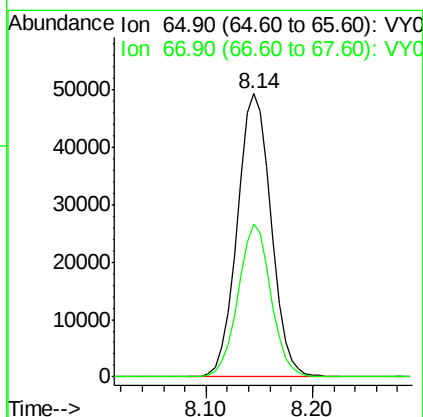
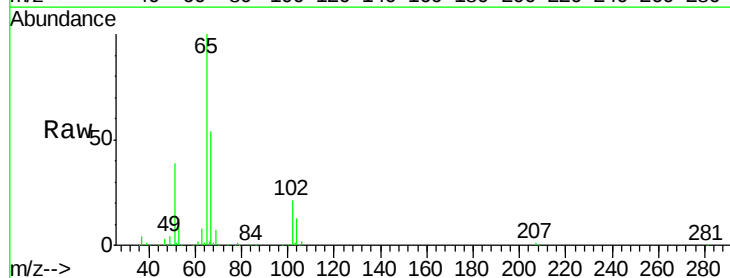
Instrument :
MSVOA_Y
ClientSampleId :
PAV-B11-110420-0-1

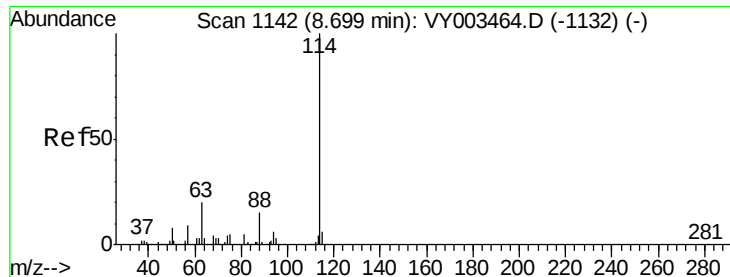
Tot Ion: 56 Resp: 4779
Ion Ratio Lower Upper
56 100
69 150.8 26.6 39.8#
84 152.8 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 44.674 ug/l
RT: 8.14 min Scan# 1051
Delta R.T. -0.01 min
Lab File: VY003508.D
Acq: 04 Nov 2020 15:35

Tgt Ion: 65 Resp: 110165
Ion Ratio Lower Upper
65 100
67 52.2 0.0 106.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.69 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VY003508.D

Acq: 04 Nov 2020 15:35

Instrument :

MSVOA_Y

ClientSampleId :

PAV-B11-110420-0-1

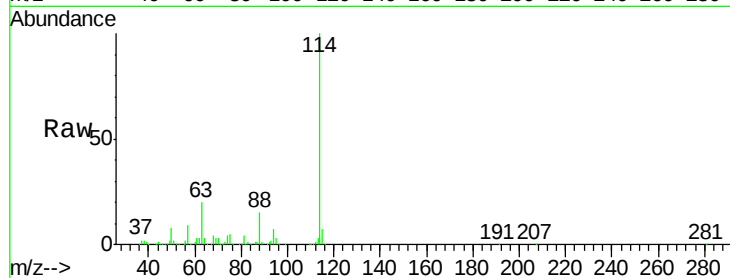
Tot Ion:114 Resp: 356251

Ion Ratio Lower Upper

114 100

63 20.0 0.0 40.6

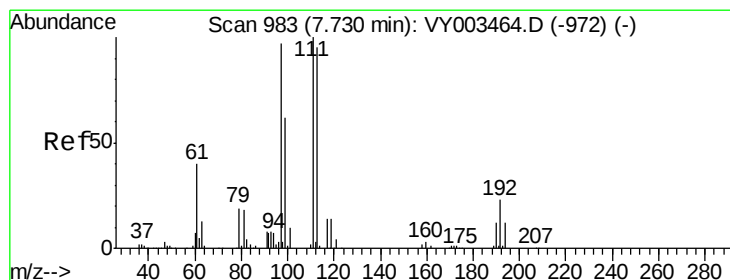
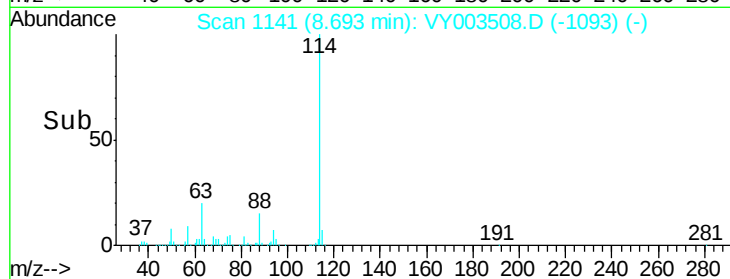
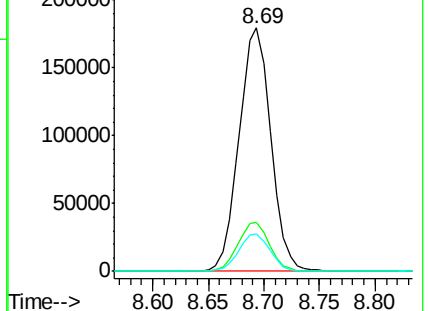
88 15.4 0.0 29.4



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: 46.128 ug/l

RT: 7.72 min Scan# 982

Delta R.T. -0.01 min

Lab File: VY003508.D

Acq: 04 Nov 2020 15:35

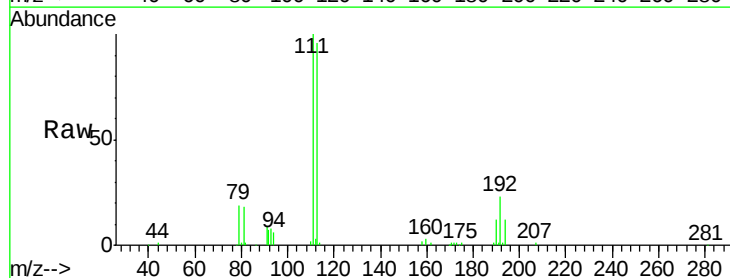
Tgt Ion:113 Resp: 100000

Ion Ratio Lower Upper

113 100

111 103.1 81.8 122.6

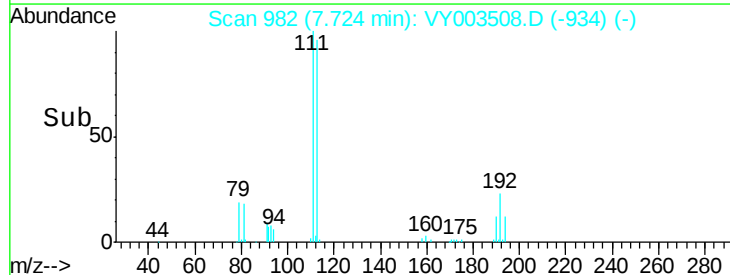
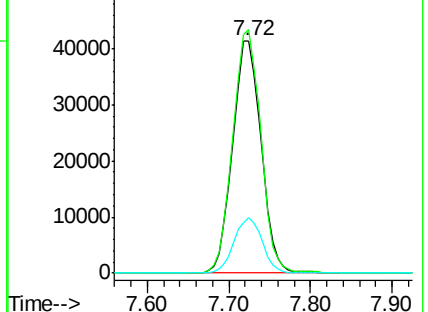
192 23.6 18.8 28.2

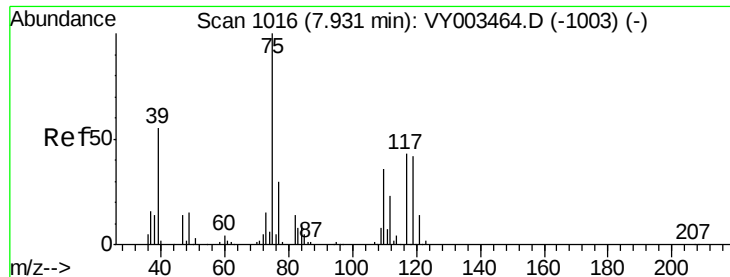


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

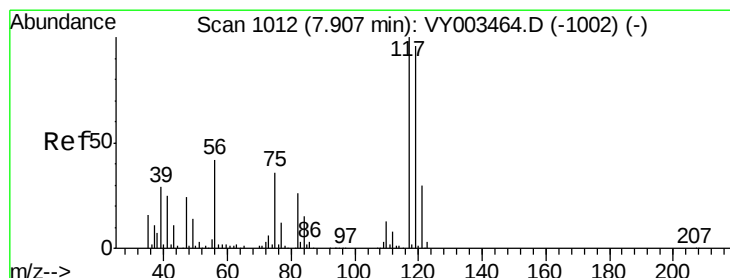
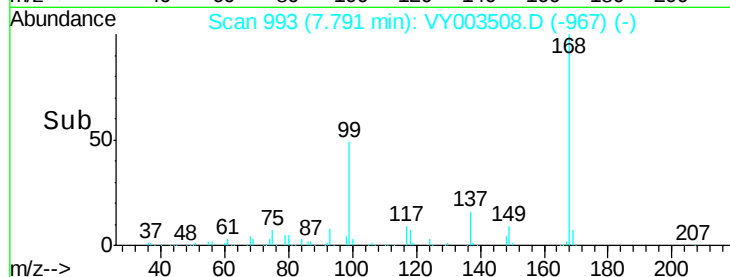
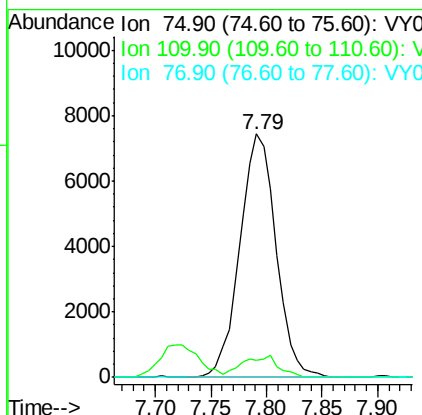
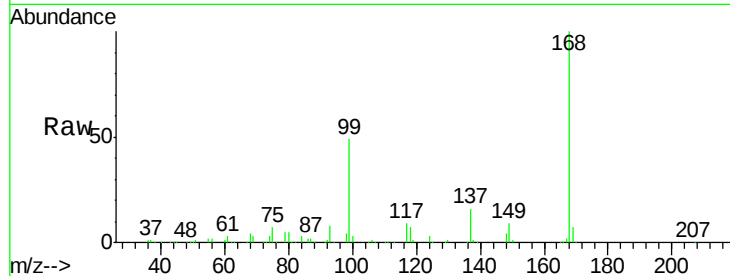




#36
 1,1-Dichloropropene
 Concen: 5.004 ug/l
 RT: 7.79 min Scan# 993
 Delta R.T. -0.14 min
 Lab File: VY003508.D
 Acq: 04 Nov 2020 15:35

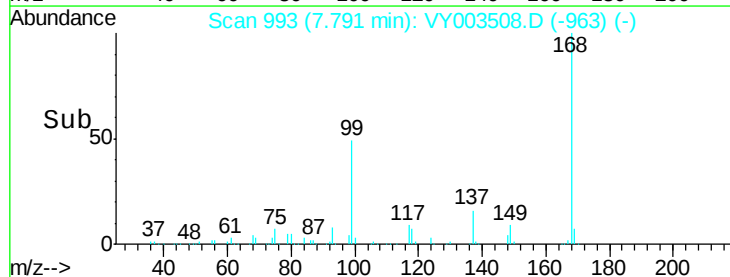
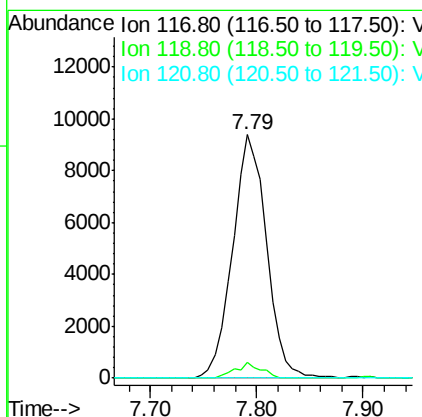
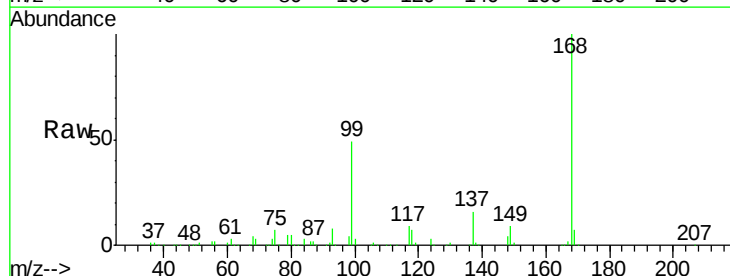
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 PAV-B11-110420-0-1

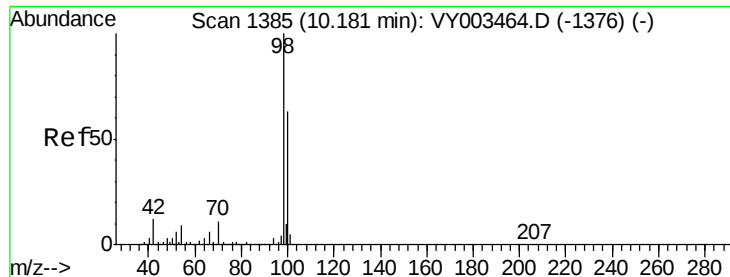
Tot Ion	75	Resp	16808
Ion Ratio	Lower	Upper	
75	100		
110	9.0	17.6	52.9#
77	0.0	24.7	37.1#



#38
 Carbon Tetrachloride
 Concen: 6.038 ug/l
 RT: 7.79 min Scan# 993
 Delta R.T. -0.12 min
 Lab File: VY003508.D
 Acq: 04 Nov 2020 15:35

Tgt Ion	117	Resp	21041
Ion Ratio	Lower	Upper	
117	100		
119	6.2	76.2	114.4#
121	0.0	24.2	36.4#





#50

Toluene-d8

Concen: 41.190 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VY003508.D

Acq: 04 Nov 2020 15:35

Instrument :

MSVOA_Y

ClientSampleId :

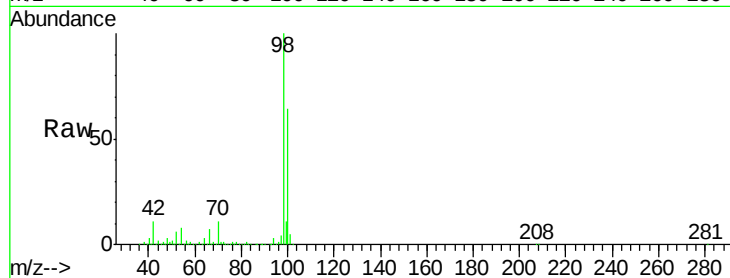
PAV-B11-110420-0-1

Tot Ion: 98 Resp: 371470

Ion Ratio Lower Upper

98 100

100 63.8 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY

10.18

200000

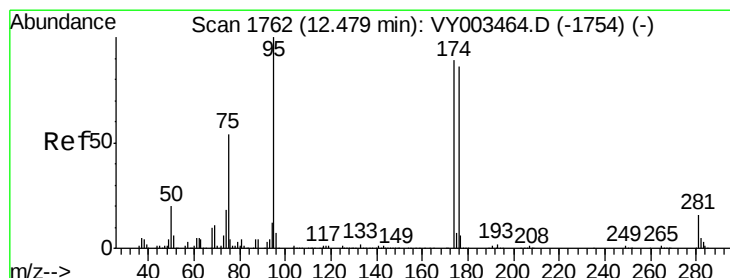
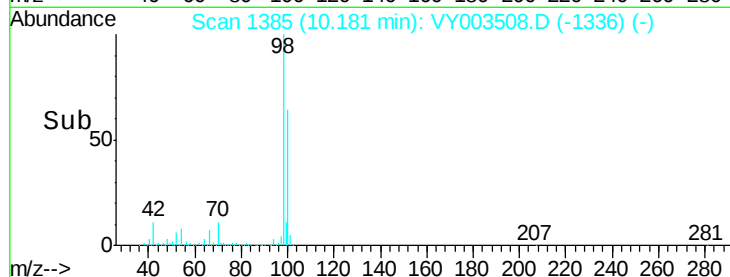
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 32.679 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY003508.D

Acq: 04 Nov 2020 15:35

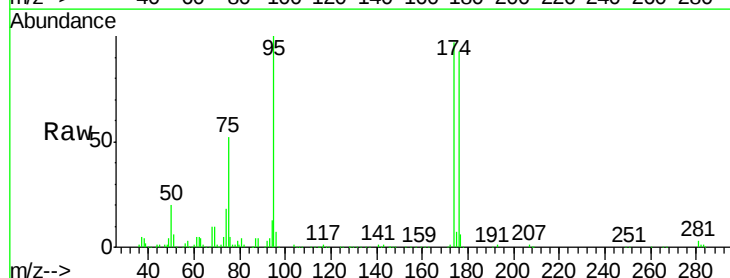
Tgt Ion: 95 Resp: 97649

Ion Ratio Lower Upper

95 100

174 97.0 0.0 193.0

176 94.5 0.0 187.4



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

12.48

80000

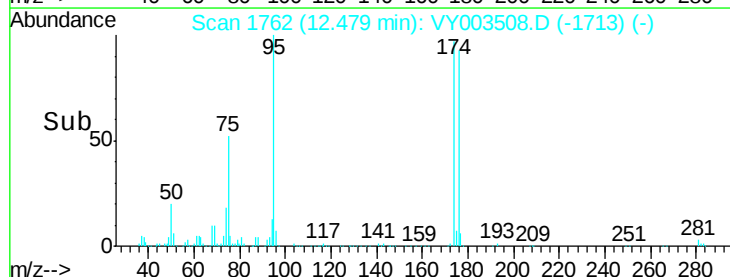
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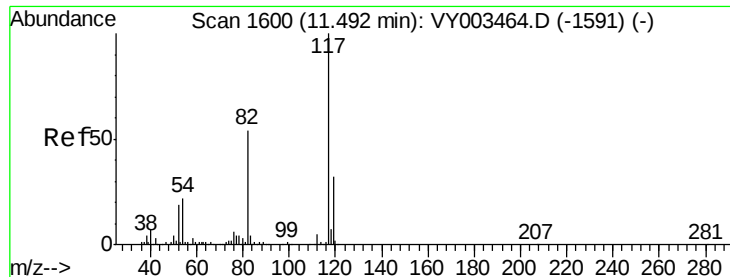
40000

20000

0

Time-->

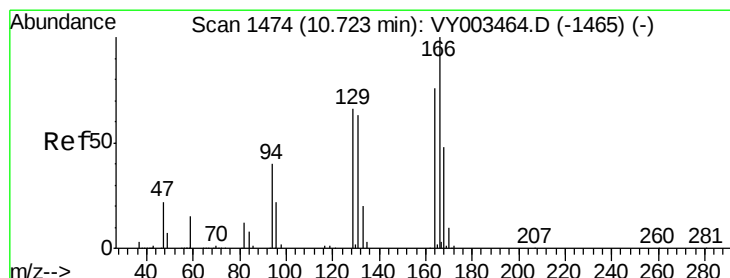
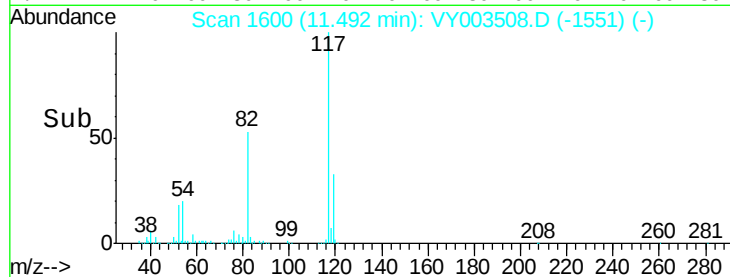
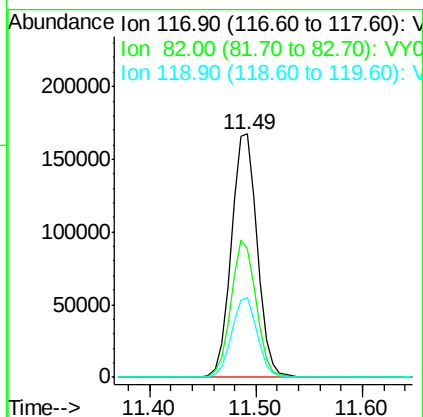
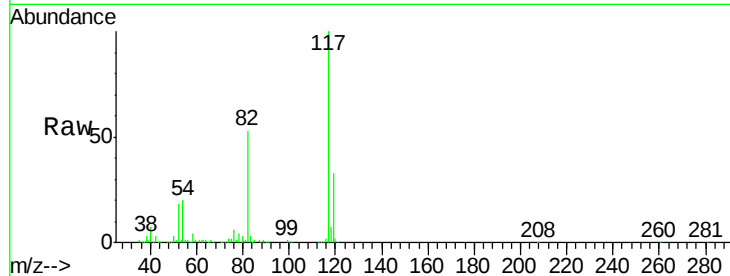




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VY003508.D
Acq: 04 Nov 2020 15:35

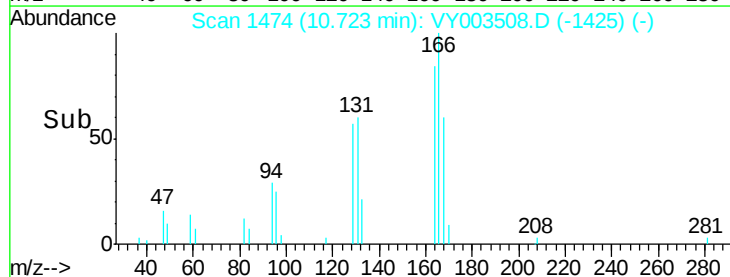
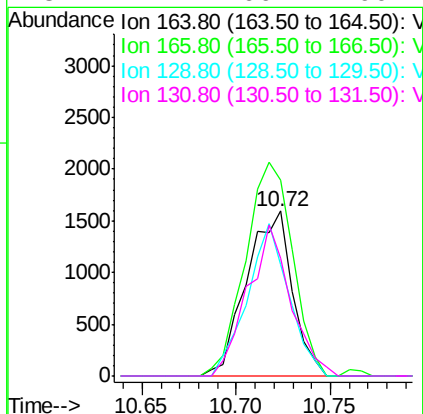
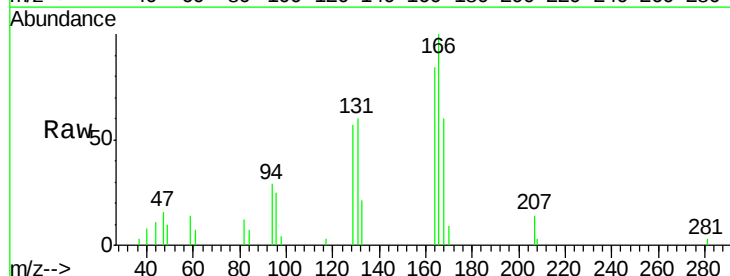
Instrument :
MSVOA_Y
ClientSampleId :
PAV-B11-110420-0-1

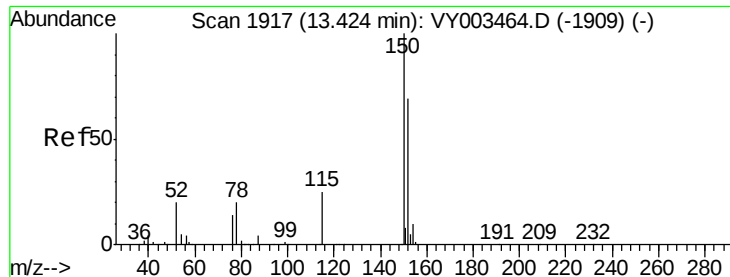
Tot Ion:117 Resp: 285425
Ion Ratio Lower Upper
117 100
82 52.9 43.4 65.2
119 32.5 25.8 38.6



#64
Tetrachloroethene
Concen: 1.259 ug/l
RT: 10.72 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VY003508.D
Acq: 04 Nov 2020 15:35

Tgt Ion:164 Resp: 2683
Ion Ratio Lower Upper
164 100
166 118.6 104.9 157.3
129 67.7 68.9 103.3#
131 71.1 66.2 99.2



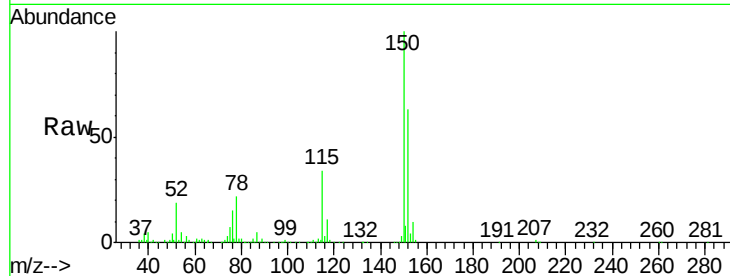


#72

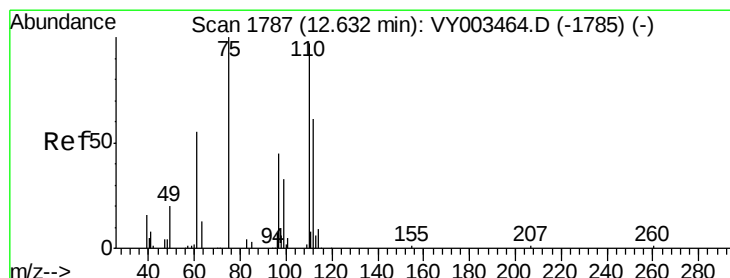
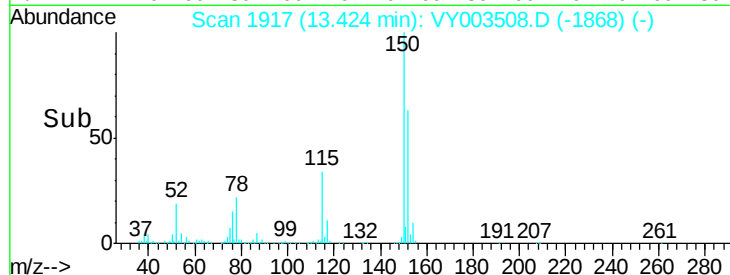
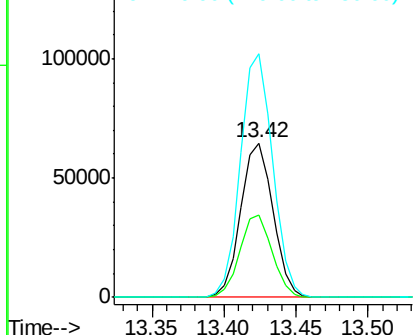
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. 0.00 min
Lab File: VY003508.D
Acq: 04 Nov 2020 15:35

Instrument :
MSVOA_Y
ClientSampleId :
PAV-B11-110420-0-1

Tot Ion:152 Resp: 100679
Ion Ratio Lower Upper
152 100
115 53.8 27.5 82.4
150 157.4 0.0 345.8



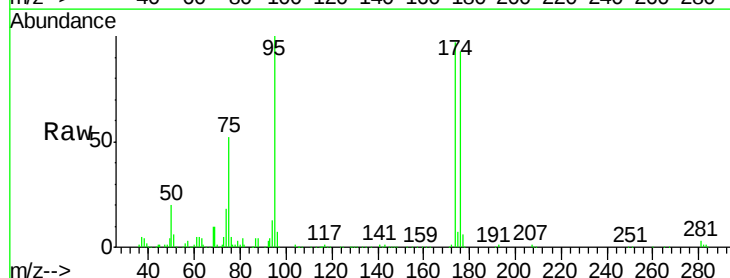
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



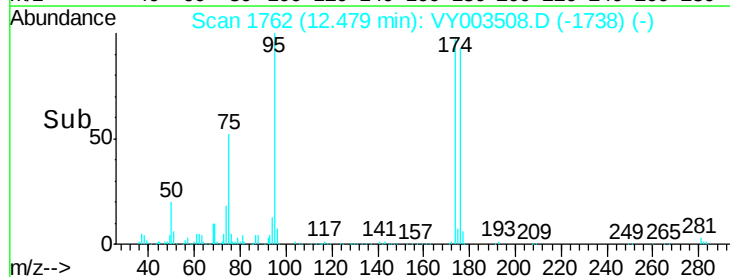
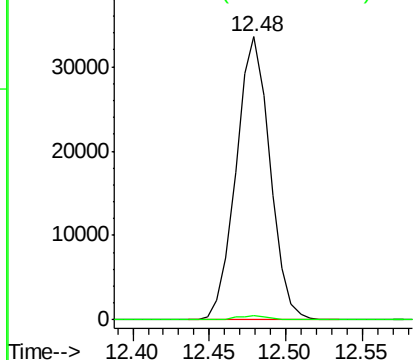
#76

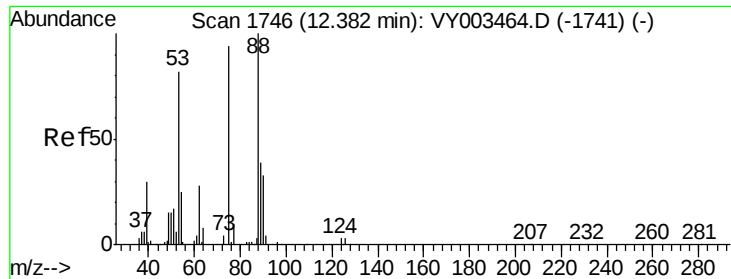
1,2,3-Trichloropropane
Concen: 48.291 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.15 min
Lab File: VY003508.D
Acq: 04 Nov 2020 15:35

Tgt Ion: 75 Resp: 51442
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: 100.791 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY003508.D

Acq: 04 Nov 2020 15:35

Instrument :

MSVOA_Y

ClientSampleId :

PAV-B11-110420-0-1

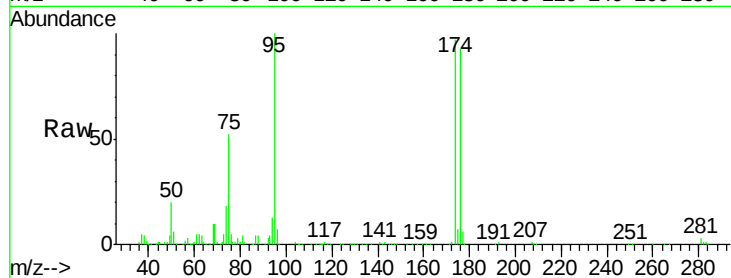
Tot Ion: 75 Resp: 51442

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

