

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY111220\
 Data File : VY003524.D
 Acq On : 12 Nov 2020 10:30
 Operator : SY/MD
 Sample : VY1112SBL01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1112SBL01

Quant Time: Nov 13 01:56:04 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	255152	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.69	114	365693	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	329299	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	164894	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	127696	48.82	ug/l	0.00
Spiked Amount			Recovery	=	97.64%	
35) Dibromofluoromethane	7.72	113	115114	51.73	ug/l	-0.01
Spiked Amount			Recovery	=	103.46%	
50) Toluene-d8	10.18	98	452649	48.90	ug/l	0.00
Spiked Amount			Recovery	=	97.80%	
62) 4-Bromofluorobenzene	12.48	95	148769	48.50	ug/l	0.00
Spiked Amount			Recovery	=	97.00%	

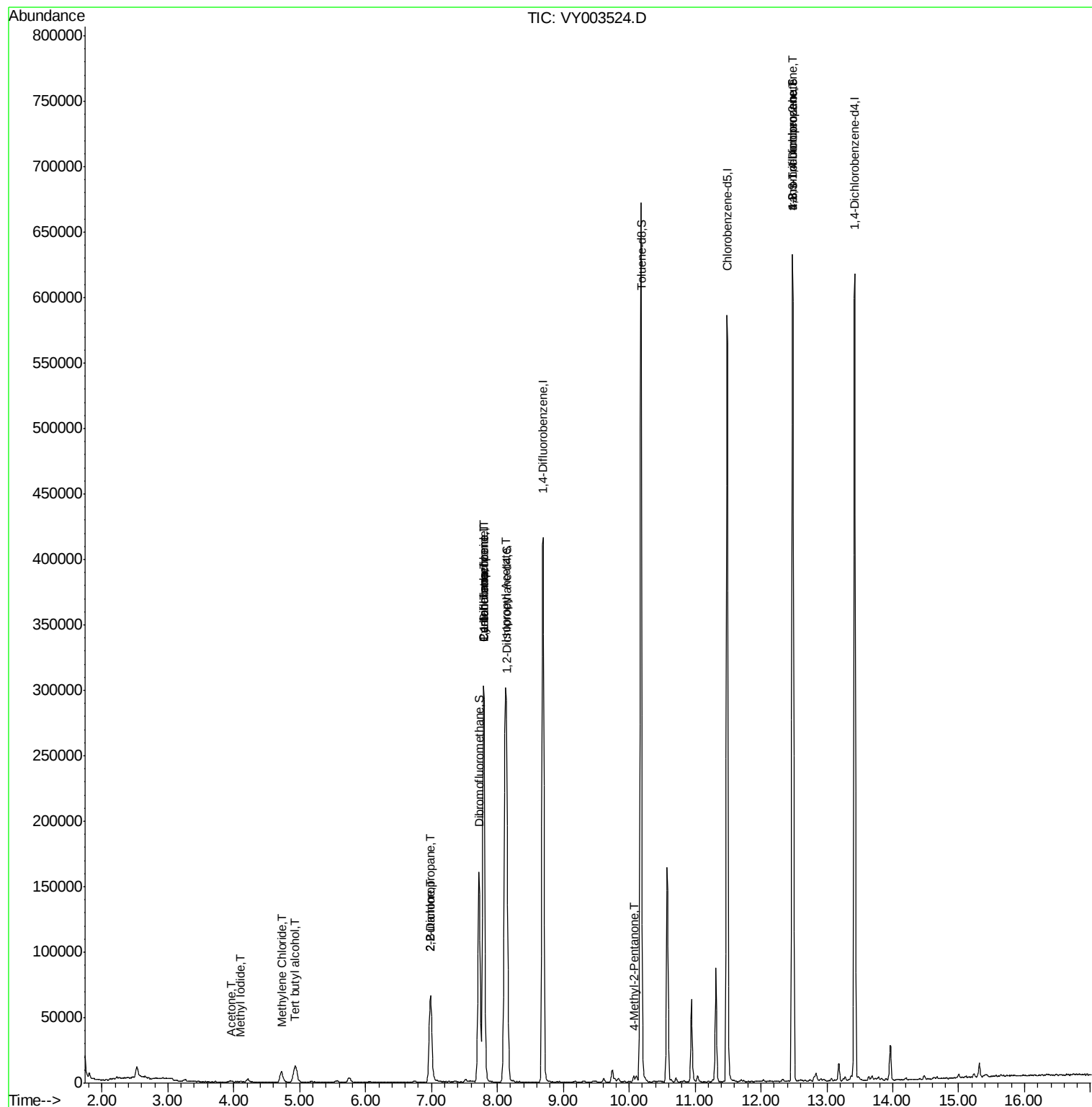
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.10	142	1055	5.050	ug/l #	90
11) Tert butyl alcohol	4.94	59	13126	32.218	ug/l #	73
16) Acetone	3.96	43	2013	2.333	ug/l #	86
20) Methylene Chloride	4.72	84	5650	2.325	ug/l #	92
25) 2-Butanone	6.99	43	4126	3.823	ug/l #	77
26) 2,2-Dichloropropane	6.99	77	4669	1.184	ug/l #	53
31) Cyclohexane	7.79	56	4740	1.209	ug/l #	1
36) 1,1-Dichloropropene	7.79	75	17760	5.151	ug/l #	49
38) Carbon Tetrachloride	7.80	117	22506	6.292	ug/l #	16
43) Isopropyl Acetate	8.12	43	6213	1.615	ug/l #	10
51) 4-Methyl-2-Pentanone	10.07	43	3331	1.625	ug/l #	99
76) 1,2,3-Trichloropropane	12.48	75	78753	45.139	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	78753	94.212	ug/l #	12

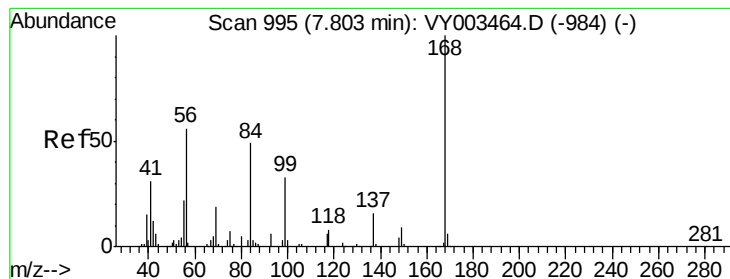
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY111220\
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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: VY003524.D

Acq: 12 Nov 2020 10:30

Instrument :

MSVOA_Y

ClientSampleId :

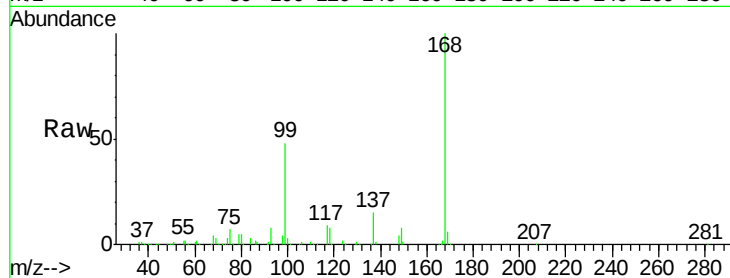
VY1112SBL01

Tot Ion:168 Resp: 255152

Ion Ratio Lower Upper

168 100

99 47.9 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

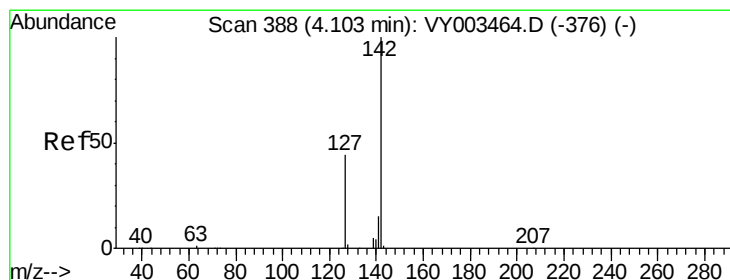
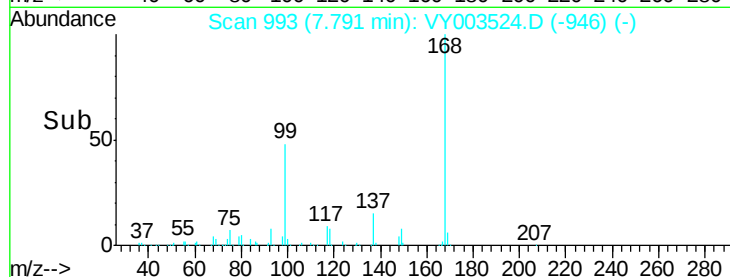
60000

40000

20000

0

Time-->



#10

Methyl Iodide

Concen: 5.050 ug/l

RT: 4.10 min Scan# 387

Delta R.T. -0.01 min

Lab File: VY003524.D

Acq: 12 Nov 2020 10:30

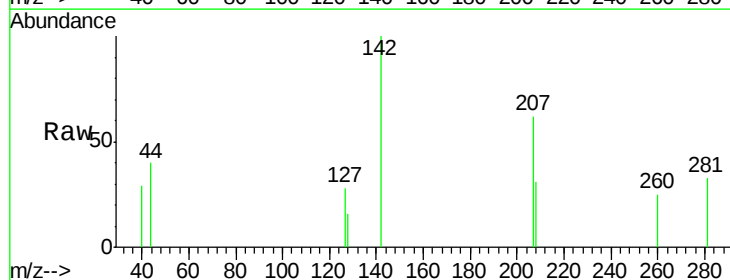
Tgt Ion:142 Resp: 1055

Ion Ratio Lower Upper

142 100

127 41.7 34.5 51.7

141 1.9 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

500

400

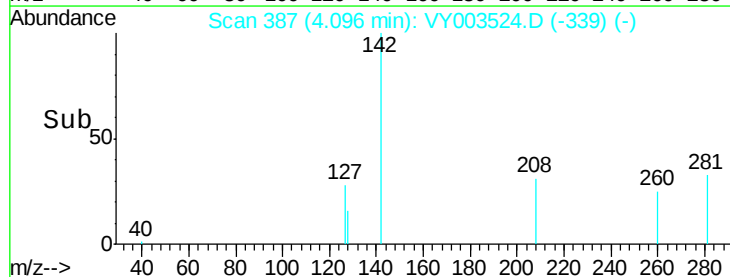
300

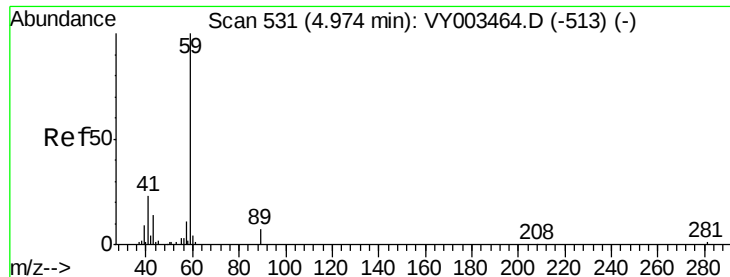
200

100

0

Time-->





#11

Tert butyl alcohol

Concen: 32.218 ug/l

RT: 4.94 min Scan# 525

Delta R.T. -0.04 min

Lab File: VY003524.D

Acq: 12 Nov 2020 10:30

Instrument :

MSVOA_Y

ClientSampleId :

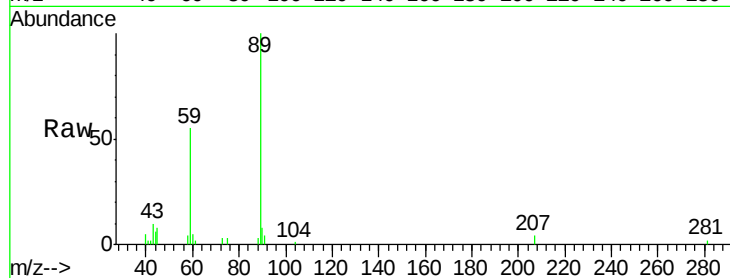
VY1112SBL01

Tot Ion: 59 Resp: 13126

Ion Ratio Lower Upper

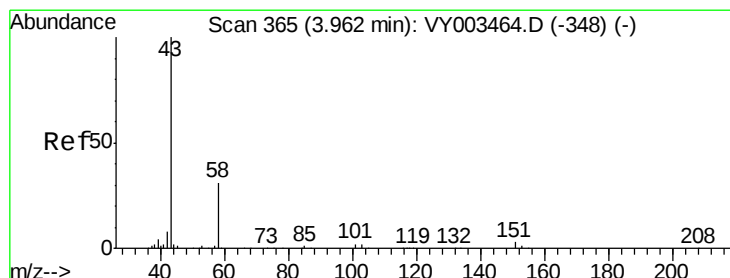
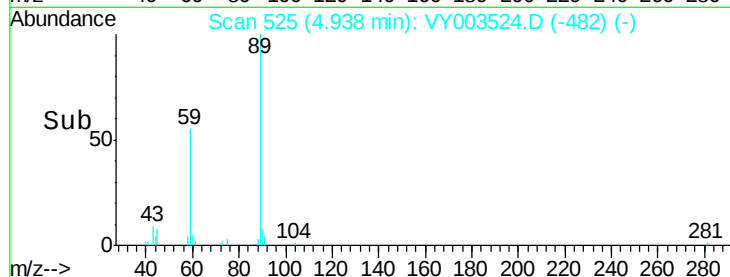
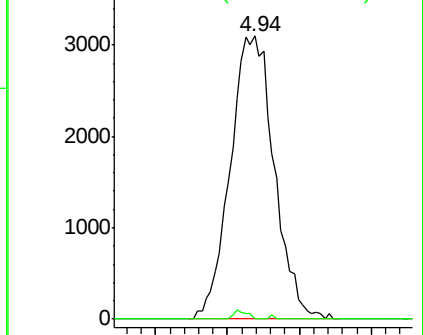
59 100

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: 2.333 ug/l

RT: 3.96 min Scan# 365

Delta R.T. -0.00 min

Lab File: VY003524.D

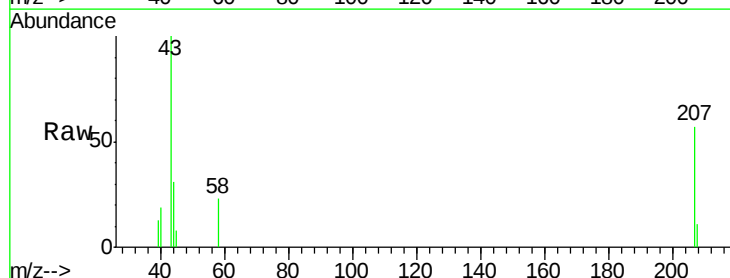
Acq: 12 Nov 2020 10:30

Tgt Ion: 43 Resp: 2013

Ion Ratio Lower Upper

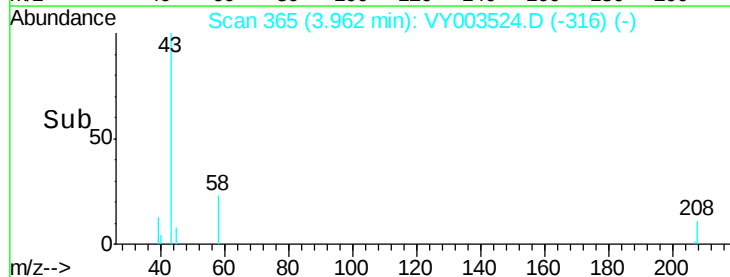
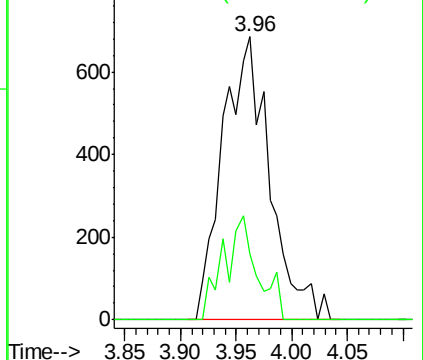
43 100

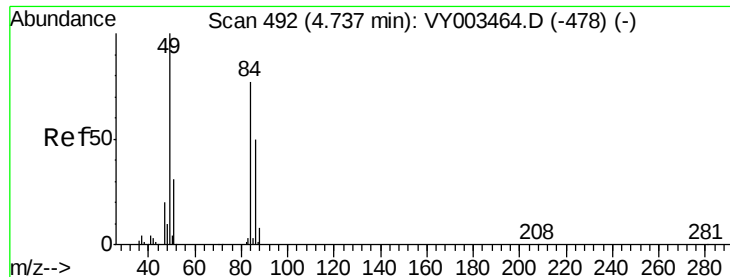
58 23.2 25.0 37.4#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

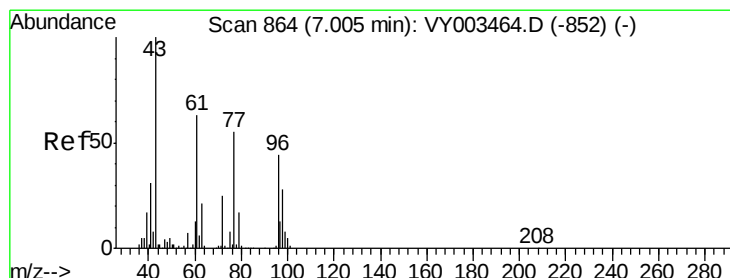
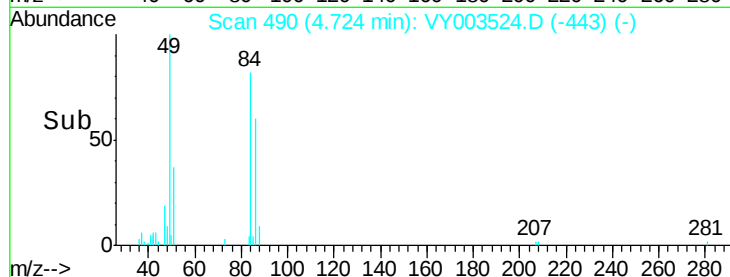
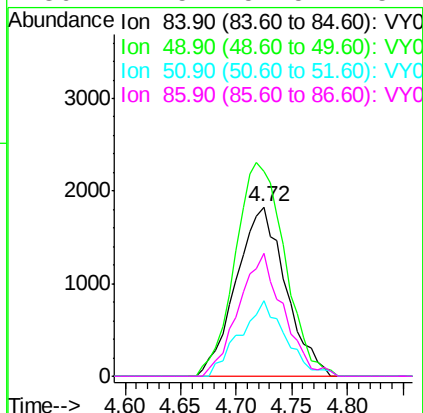
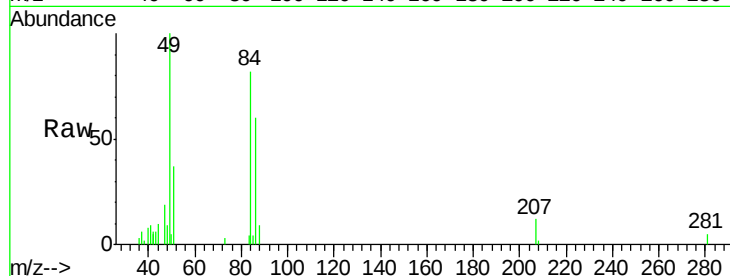




#20
Methvlene Chloride
Concen: 2.325 ug/l
RT: 4.72 min Scan# 490
Delta R.T. -0.01 min
Lab File: VY003524.D
Acq: 12 Nov 2020 10:30

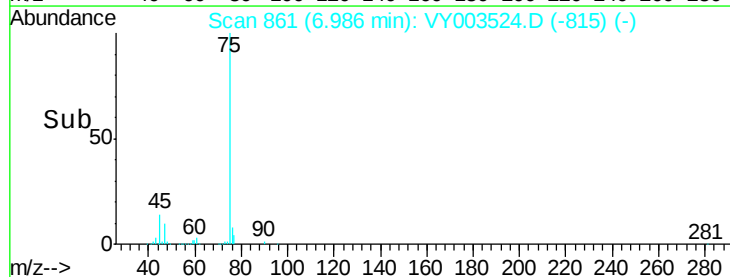
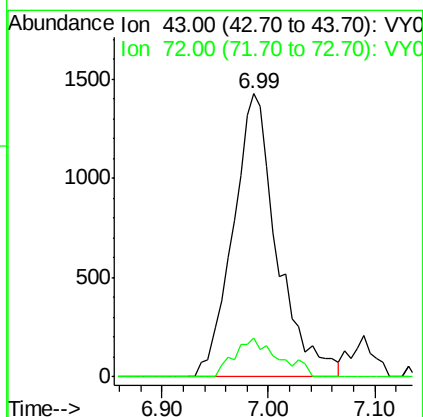
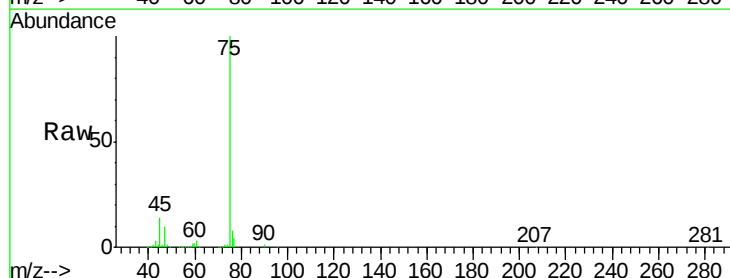
Instrument :
MSVOA_Y
ClientSampleId :
VY1112SBL01

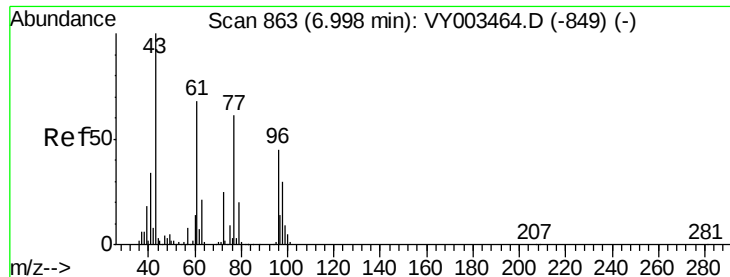
Tot Ion:	84	Resp:	5650
Ion	Ratio	Lower	Upper
84	100		
49	121.3	104.3	156.5
51	44.6	32.5	48.7
86	72.5	52.5	78.7



#25
2-Butanone
Concen: 3.823 ug/l
RT: 6.99 min Scan# 861
Delta R.T. -0.02 min
Lab File: VY003524.D
Acq: 12 Nov 2020 10:30

Tgt Ion:	43	Resp:	4126
Ion	Ratio	Lower	Upper
43	100		
72	13.7	20.1	30.1#





#26

2,2-Dichloropropane

Concen: 1.184 ug/l

RT: 6.99 min Scan# 861

Delta R.T. -0.01 min

Lab File: VY003524.D

Acq: 12 Nov 2020 10:30

Instrument :

MSVOA_Y

ClientSampleId :

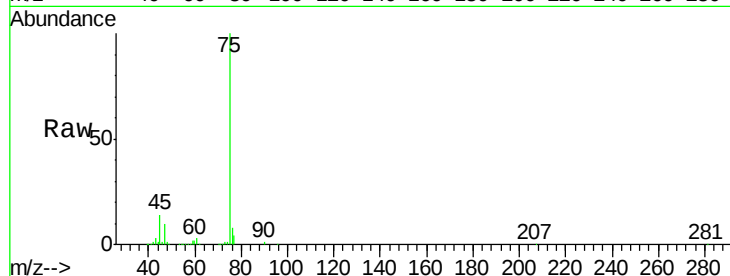
VY1112SBL01

Tot Ion: 77 Resp: 4669

Ion Ratio Lower Upper

77 100

97 0.0 11.2 33.6#



Abundance Ion 76.90 (76.60 to 77.60): VY0

Ion 96.90 (96.60 to 97.60): VY0

6.99

1500

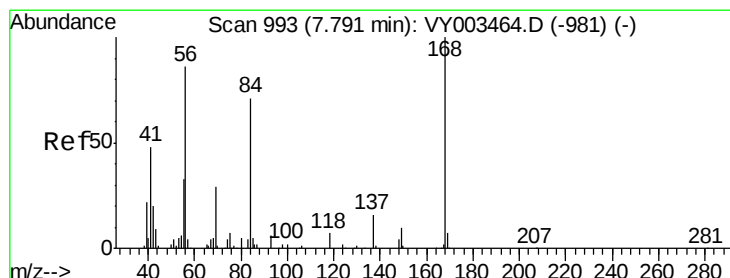
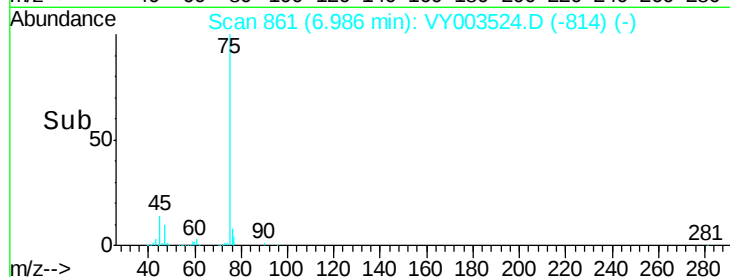
1000

500

0

6.90 6.95 7.00 7.05

Time-->



#31

Cyclohexane

Concen: 1.209 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.00 min

Lab File: VY003524.D

Acq: 12 Nov 2020 10:30

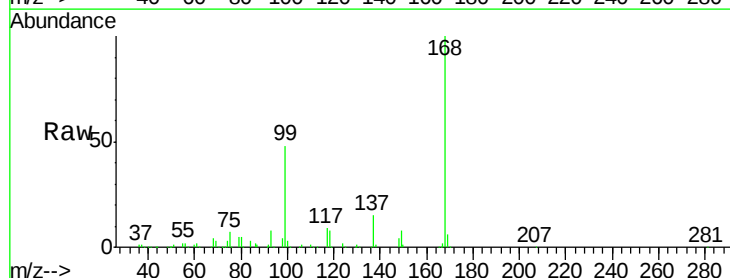
Tgt Ion: 56 Resp: 4740

Ion Ratio Lower Upper

56 100

69 154.0 26.6 39.8#

84 161.0 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

7.79

4000

3000

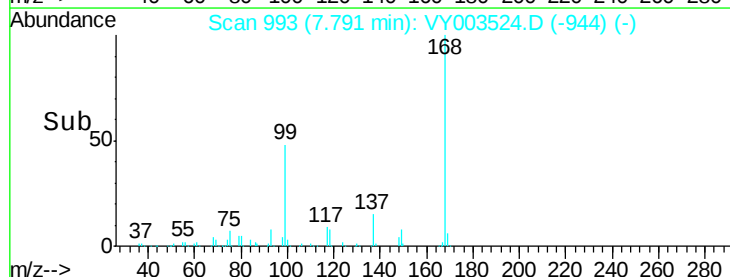
2000

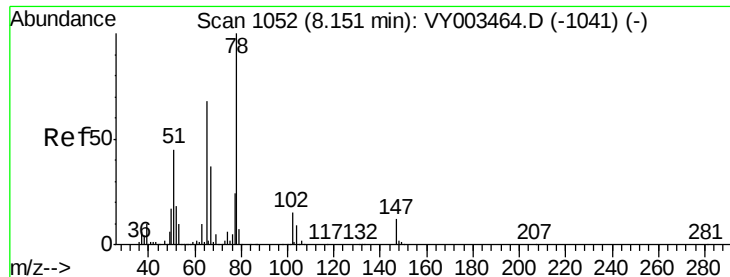
1000

0

7.70 7.75 7.80 7.85

Time-->

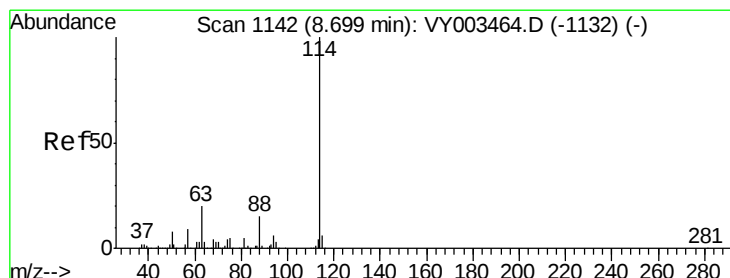
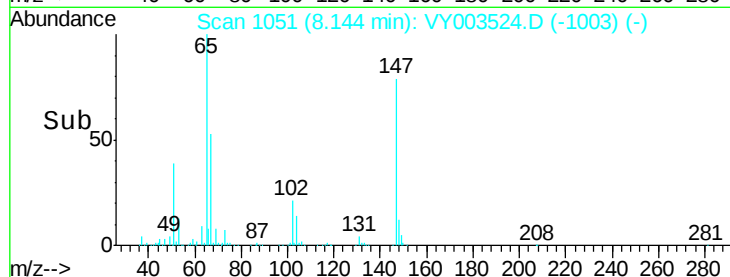
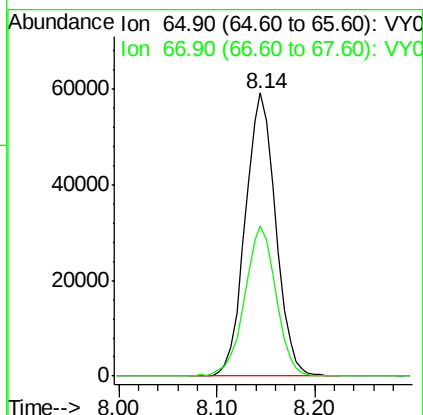
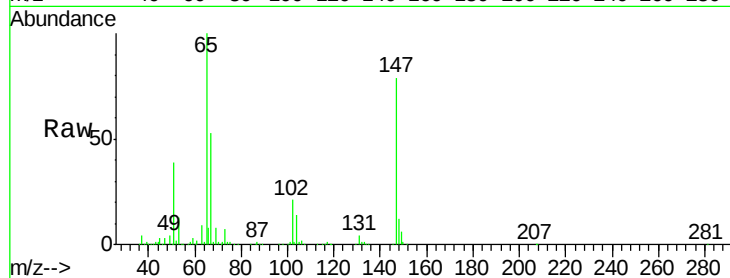




#33
 1,2-Dichloroethane-d4
 Concen: 48.817 ug/l
 RT: 8.14 min Scan# 1051
 Delta R.T. -0.01 min
 Lab File: VY003524.D
 Acq: 12 Nov 2020 10:30

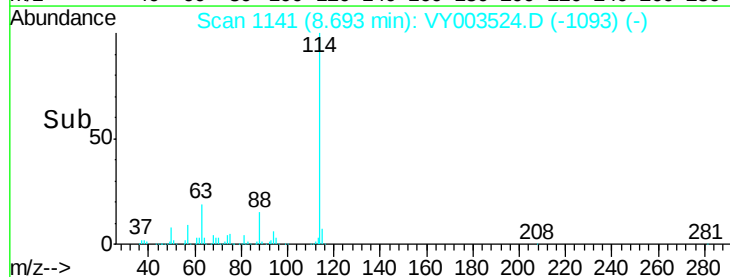
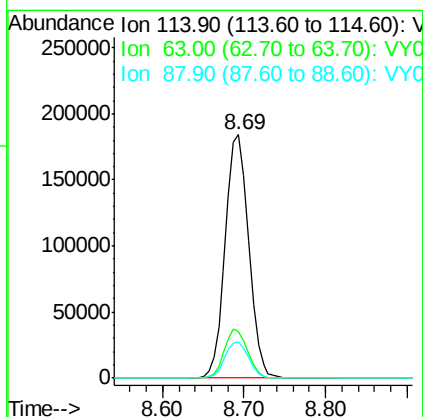
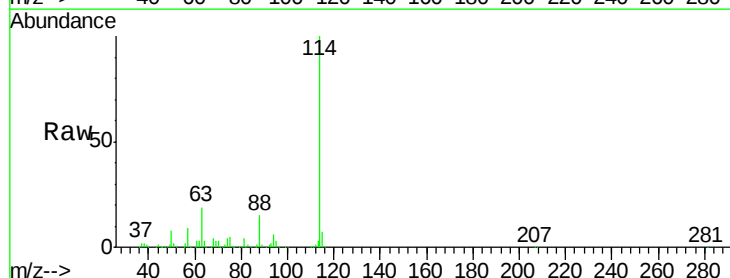
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1112SBL01

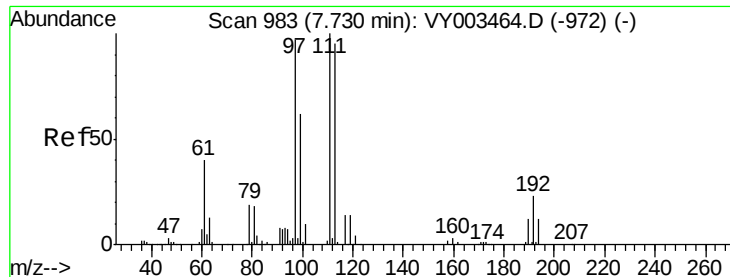
Tot Ion: 65 Resp: 127696
 Ion Ratio Lower Upper
 65 100
 67 54.7 0.0 106.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.01 min
 Lab File: VY003524.D
 Acq: 12 Nov 2020 10:30

Tgt Ion: 114 Resp: 365693
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 40.6
 88 14.8 0.0 29.4

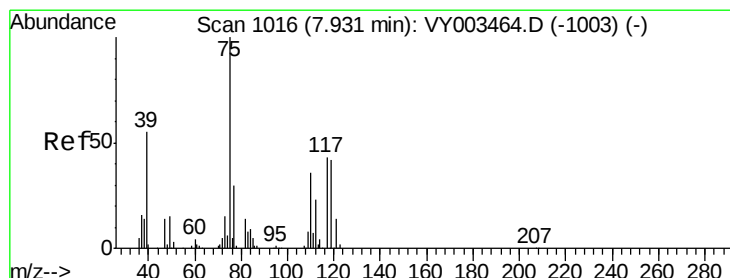
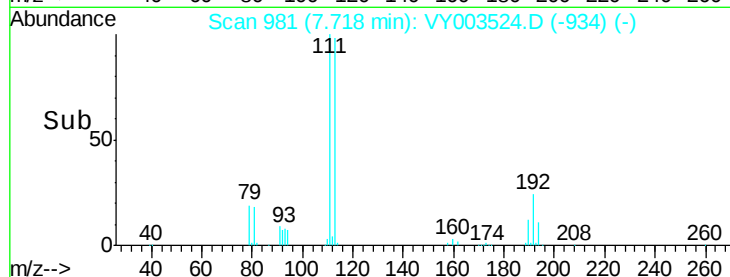
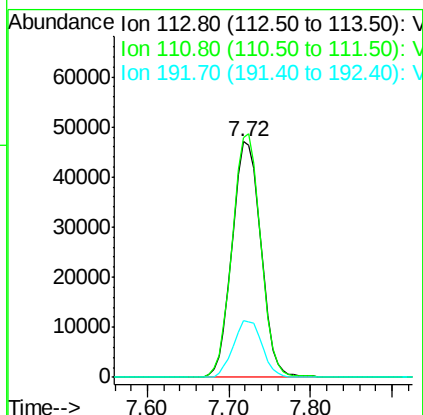
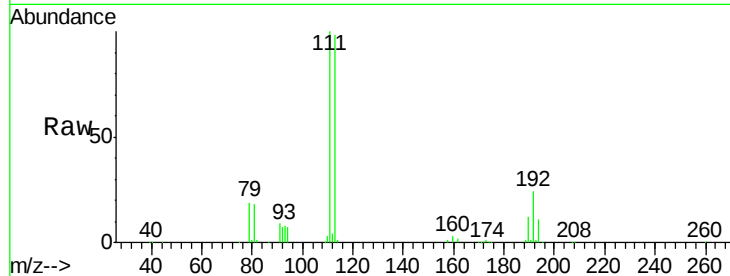




#35
 Dibromofluoromethane
 Concen: 51.729 ug/l
 RT: 7.72 min Scan# 981
 Delta R.T. -0.01 min
 Lab File: VY003524.D
 Acq: 12 Nov 2020 10:30

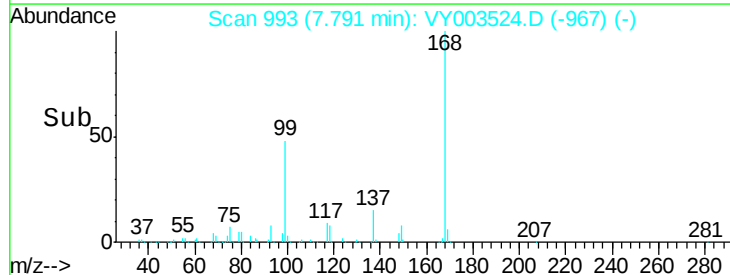
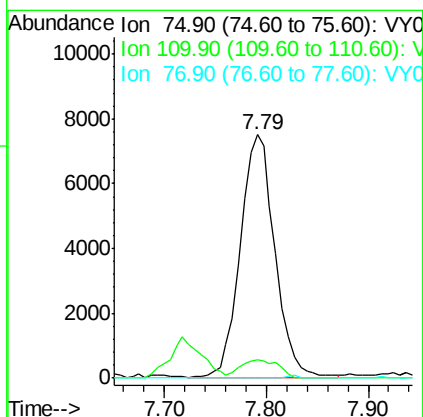
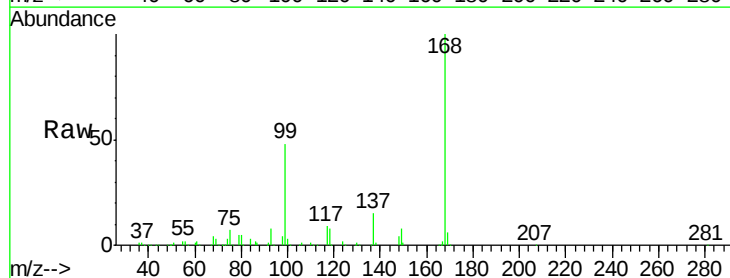
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1112SBL01

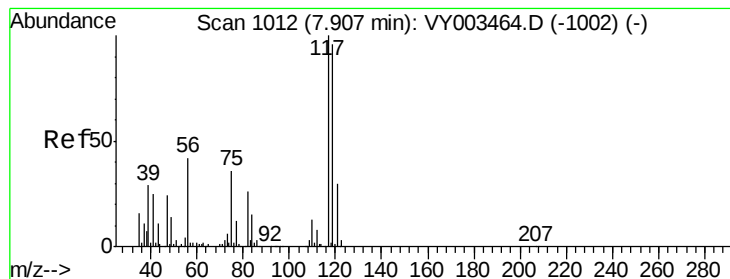
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.9	81.8	122.6
192	24.0	18.8	28.2



#36
 1,1-Dichloropropene
 Concen: 5.151 ug/l
 RT: 7.79 min Scan# 993
 Delta R.T. -0.14 min
 Lab File: VY003524.D
 Acq: 12 Nov 2020 10:30

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.2	17.6	52.9#
77	0.0	24.7	37.1#





#38

Carbon Tetrachloride

Concen: 6.292 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.11 min

Lab File: VY003524.D

Acq: 12 Nov 2020 10:30

Instrument :

MSVOA_Y

ClientSampled :

VY1112SBL01

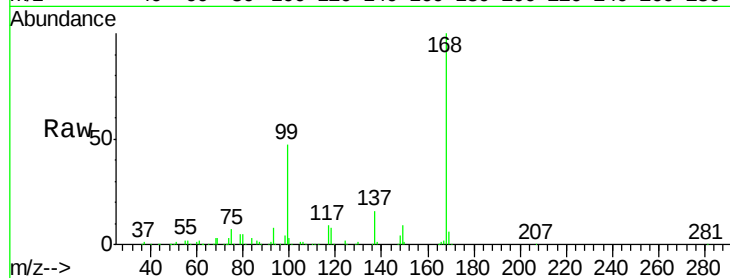
Tot Ion:117 Resp: 22506

Ion Ratio Lower Upper

117 100

119 5.3 76.2 114.4#

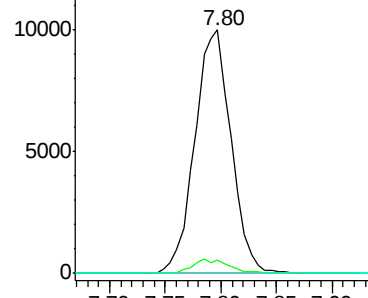
121 0.0 24.2 36.4#



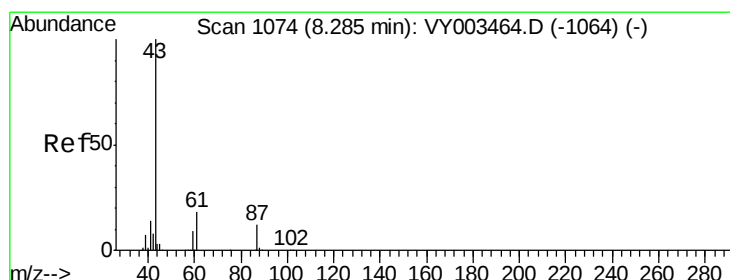
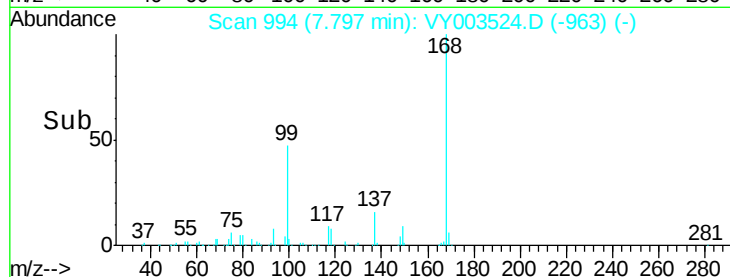
Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



Time-->



#43

Isopropyl Acetate

Concen: 1.615 ug/l

RT: 8.12 min Scan# 1047

Delta R.T. -0.16 min

Lab File: VY003524.D

Acq: 12 Nov 2020 10:30

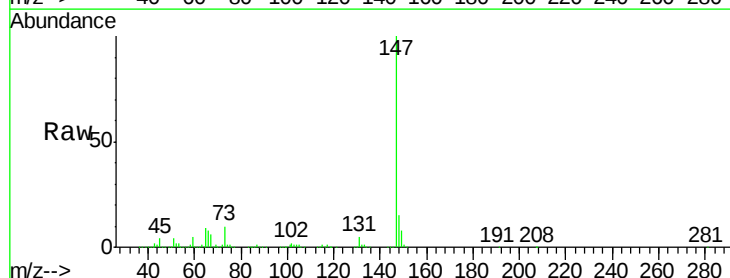
Tgt Ion: 43 Resp: 6213

Ion Ratio Lower Upper

43 100

61 0.0 21.9 32.9#

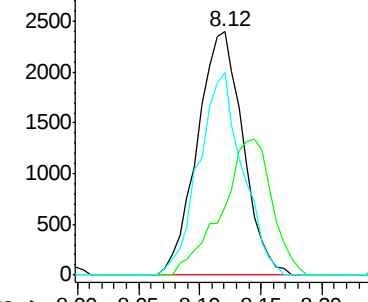
87 79.8 10.0 15.0#



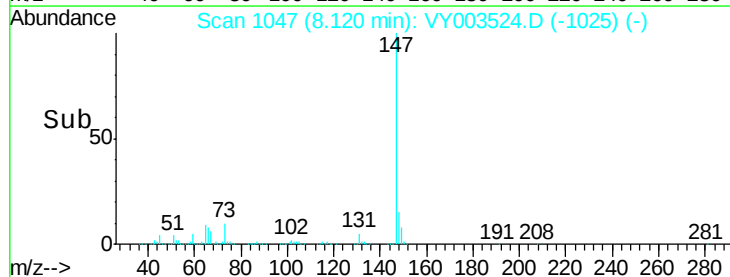
Abundance Ion 43.00 (42.70 to 43.70): VY0

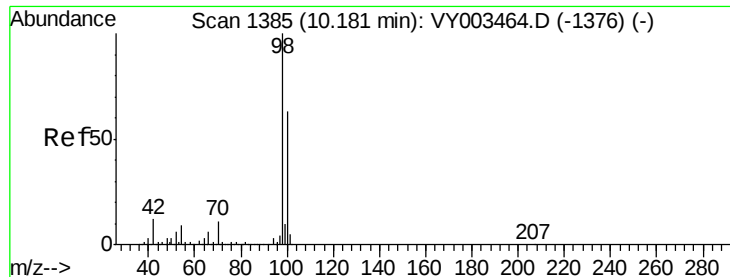
Ion 61.00 (60.70 to 61.70): VY0

Ion 87.00 (86.70 to 87.70): VY0



Time-->





#50

Toluene-d8

Concen: 48.895 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY003524.D

Acq: 12 Nov 2020 10:30

Instrument :

MSVOA_Y

ClientSampleId :

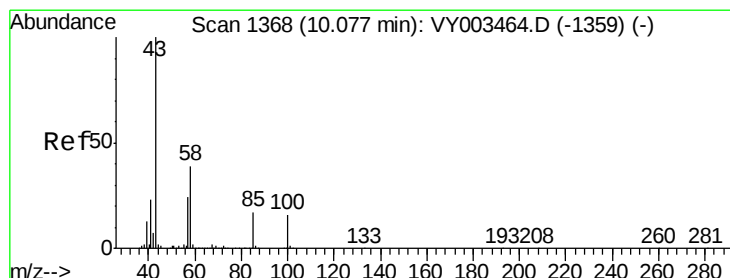
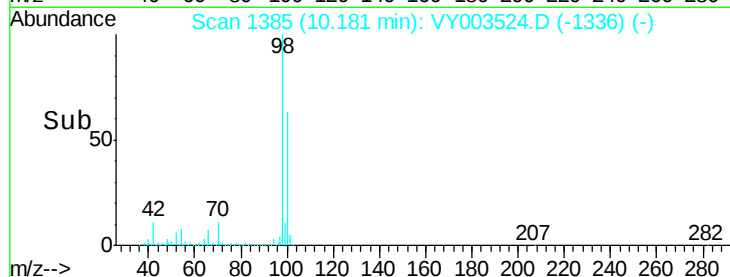
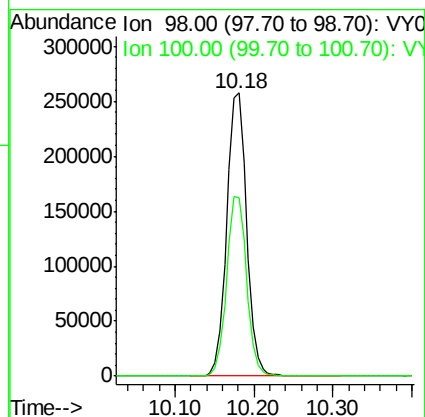
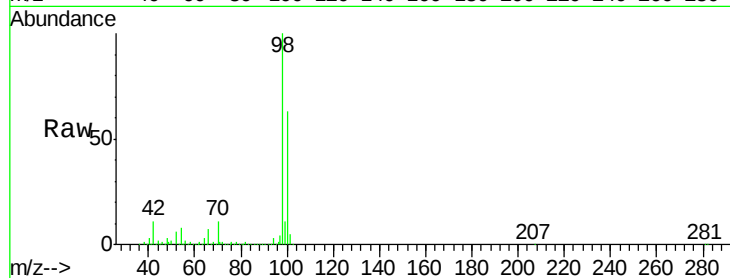
VY1112SBL01

Tot Ion: 98 Resp: 452649

Ion Ratio Lower Upper

98 100

100 63.8 50.9 76.3



#51

4-Methyl-2-Pentanone

Concen: 1.625 ug/l

RT: 10.07 min Scan# 1367

Delta R.T. -0.01 min

Lab File: VY003524.D

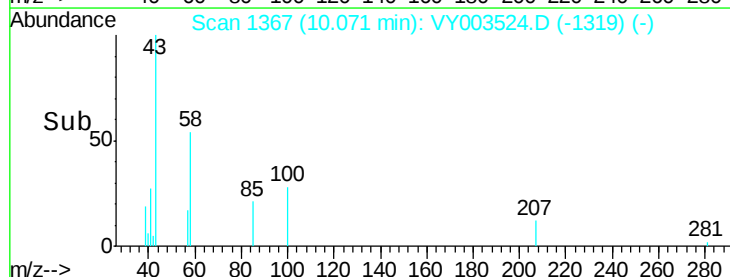
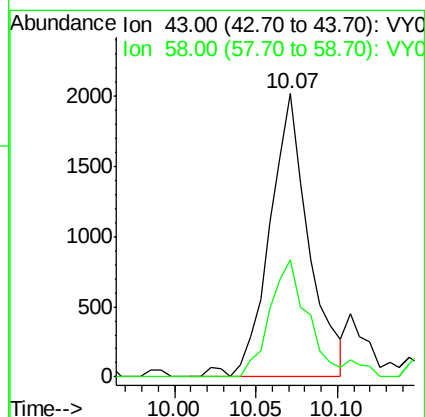
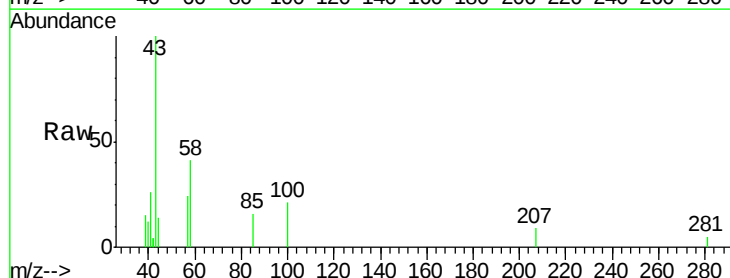
Acq: 12 Nov 2020 10:30

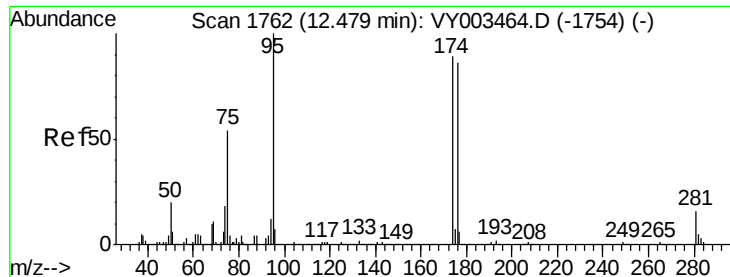
Tgt Ion: 43 Resp: 3331

Ion Ratio Lower Upper

43 100

58 39.6 31.0 46.4

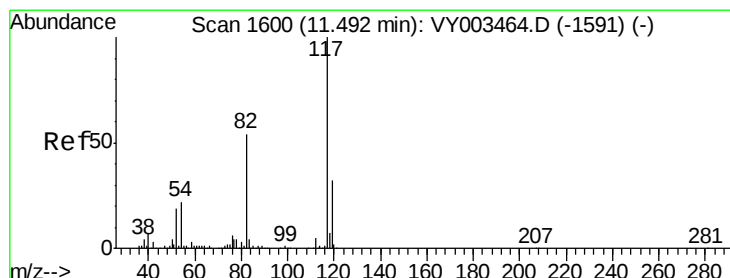
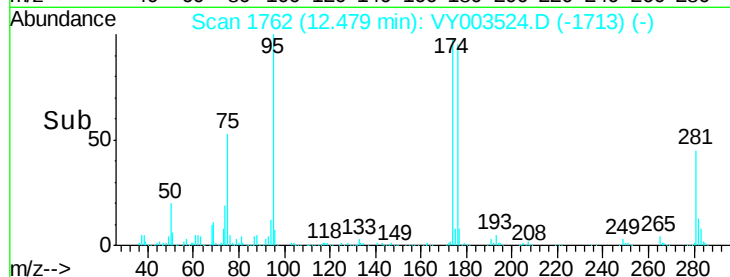
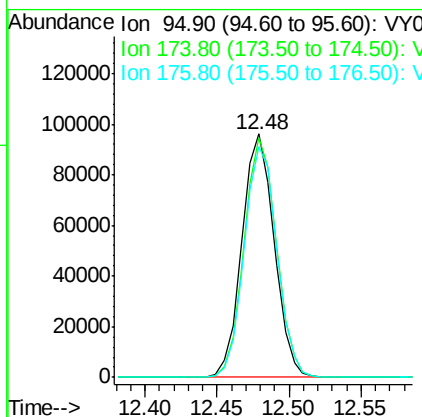
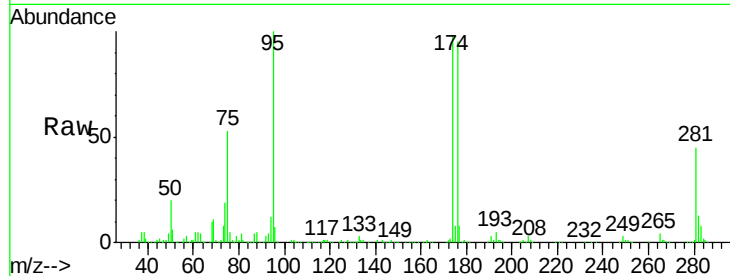




#62
4-Bromofluorobenzene
Concen: 48.501 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.00 min
Lab File: VY003524.D
Acq: 12 Nov 2020 10:30

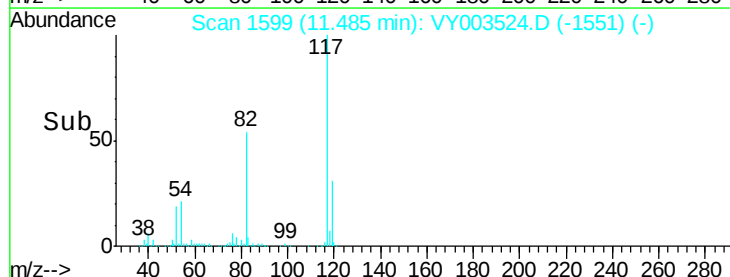
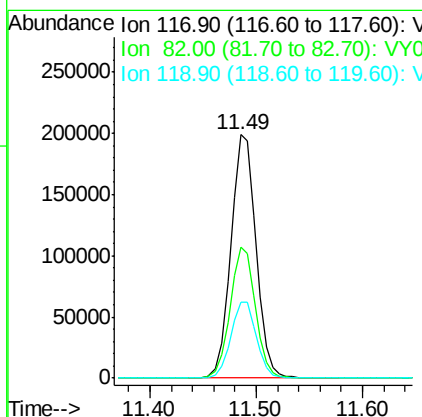
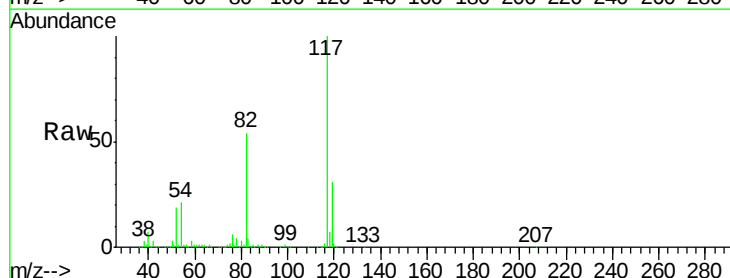
Instrument :
MSVOA_Y
ClientSampleId :
VY1112SBL01

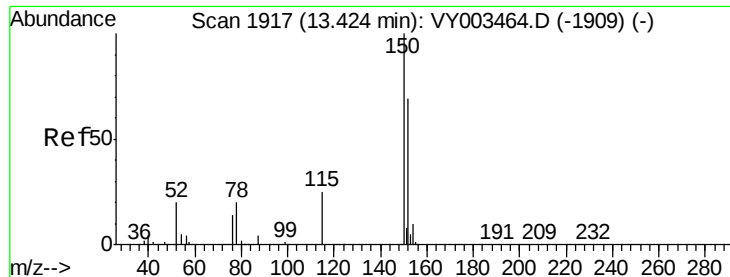
Tot Ion: 95 Resp: 148769
Ion Ratio Lower Upper
95 100
174 98.5 0.0 193.0
176 95.7 0.0 187.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VY003524.D
Acq: 12 Nov 2020 10:30

Tgt Ion: 117 Resp: 329299
Ion Ratio Lower Upper
117 100
82 53.7 43.4 65.2
119 31.4 25.8 38.6



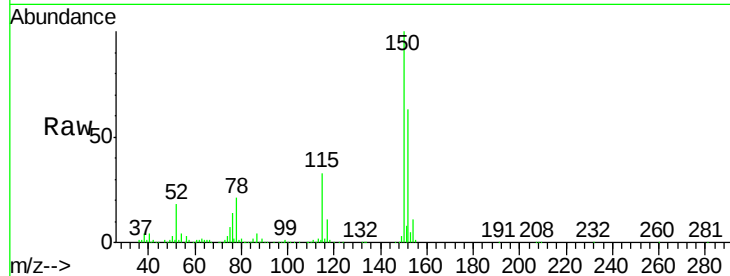


#72

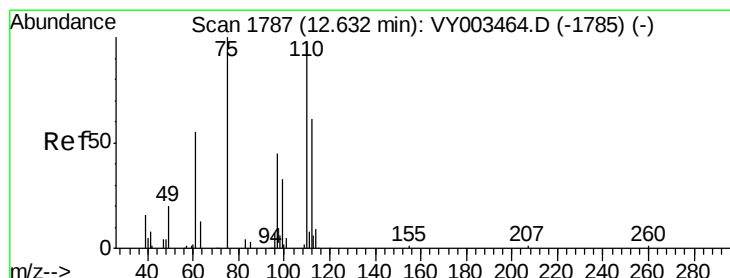
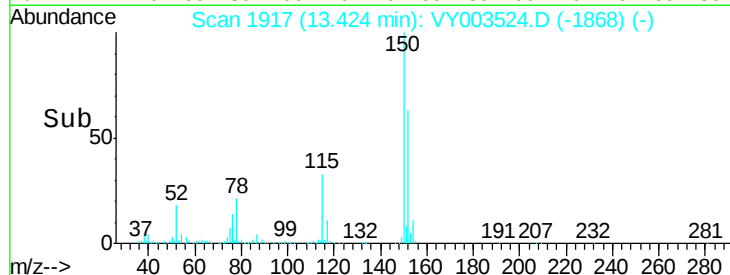
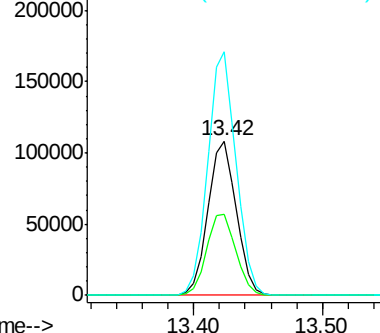
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY003524.D
Acq: 12 Nov 2020 10:30

Instrument :
MSVOA_Y
ClientSampleId :
VY1112SBL01

Tot Ion:152 Resp: 164894
Ion Ratio Lower Upper
152 100
115 54.6 27.5 82.4
150 157.2 0.0 345.8



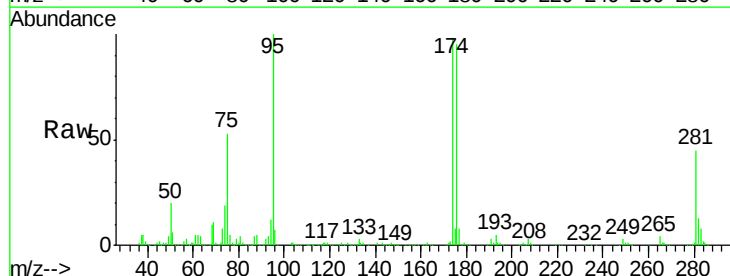
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



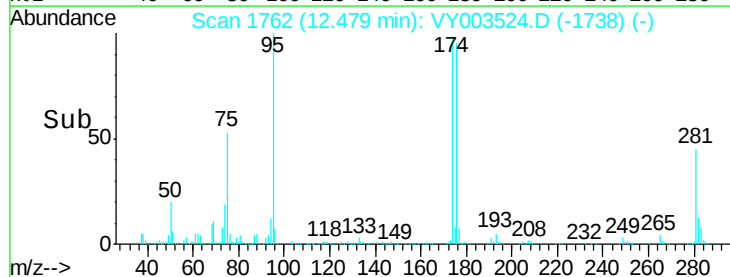
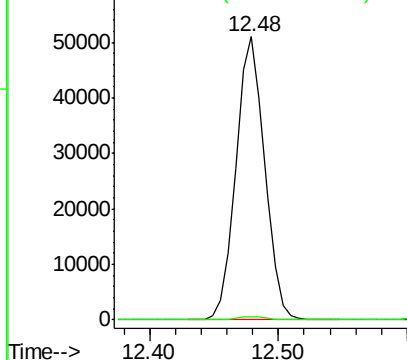
#76

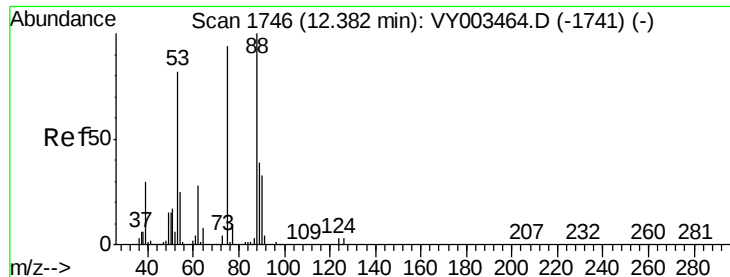
1,2,3-Trichloropropane
Concen: 45.139 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.15 min
Lab File: VY003524.D
Acq: 12 Nov 2020 10:30

Tgt Ion: 75 Resp: 78753
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: 94.212 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY003524.D

Acq: 12 Nov 2020 10:30

Instrument :

MSVOA_Y

ClientSampleId :

VY1112SBL01

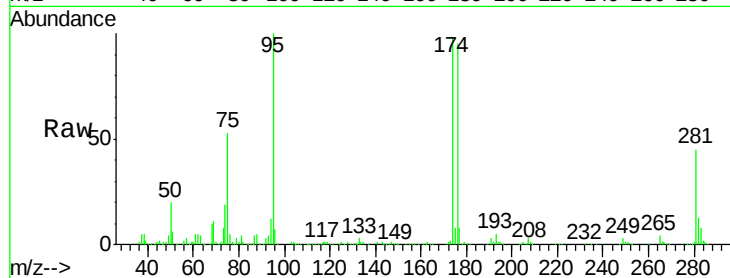
Tot Ion: 75 Resp: 78753

Ion Ratio Lower Upper

75 100

53 0.0 74.7 112.1#

89 0.6 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

