

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY080320\
 Data File : VY003418.D
 Acq On : 03 Aug 2020 15:39
 Operator : SY/MD
 Sample : L3518-47RE
 Misc : 5.32G/5ML/MSVOA Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-13

Quant Time: Aug 04 01:34:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y073120S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 31 13:09:26 2020
 Response via : Initial Calibration

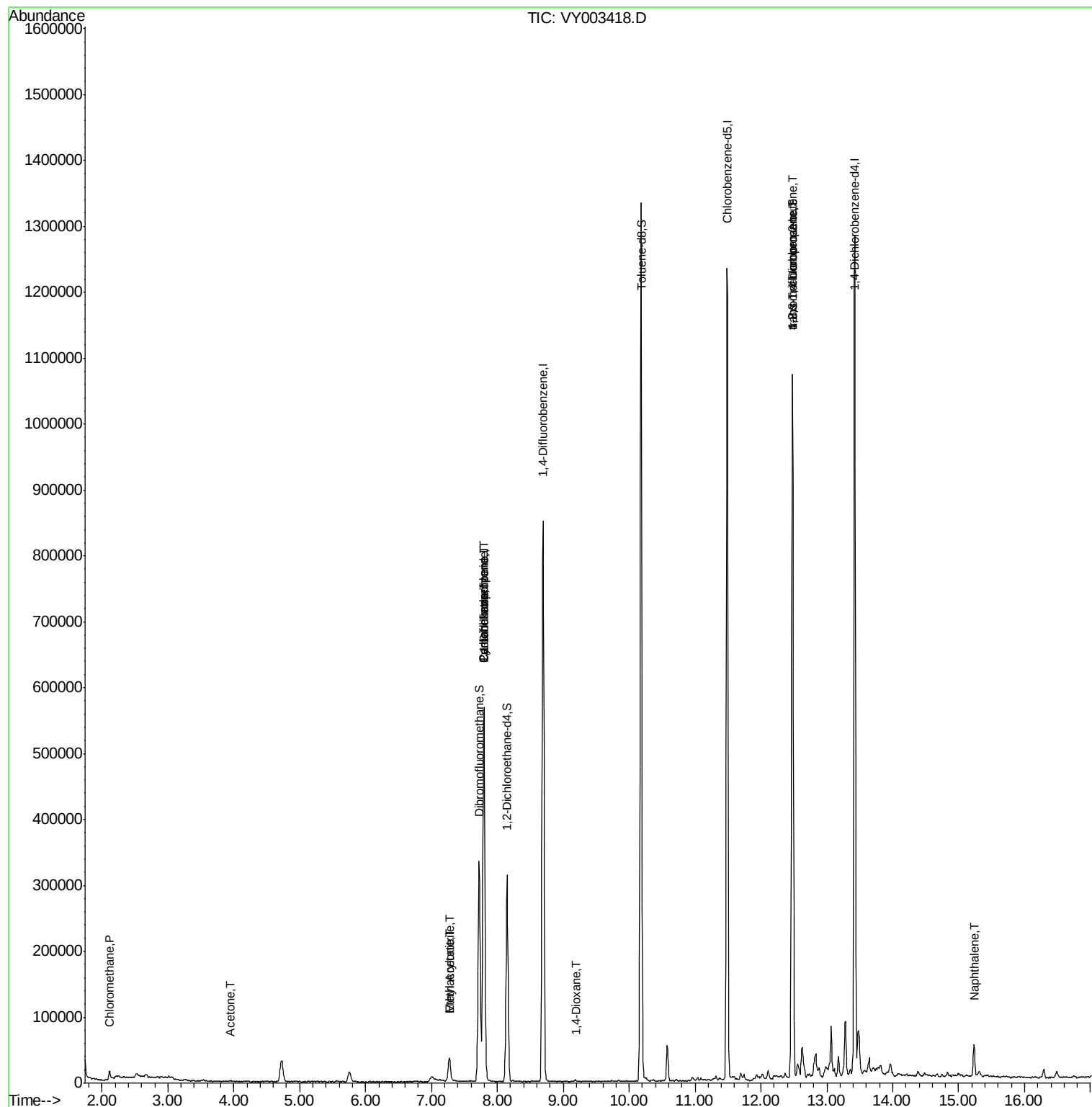
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	462001	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	731117	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	679828	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	331765	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.14	65	242304	55.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.32%	
35) Dibromofluoromethane	7.72	113	233641	54.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.50%	
50) Toluene-d8	10.18	98	894630	53.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.10%	
62) 4-Bromofluorobenzene	12.48	95	298753	51.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.70%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.11	50	9813	1.894	ug/l	98
11) Tert butyl alcohol	4.93	59	478	Below Cal	#	73
16) Acetone	3.94	43	1646	1.517	ug/l #	80
20) Methylene Chloride	4.72	84	24727	Below Cal		88
31) Cyclohexane	7.80	56	8662	1.112	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	31690	4.580	ug/l #	50
37) Ethyl Acetate	7.27	43	34626	8.802	ug/l #	69
38) Carbon Tetrachloride	7.79	117	42480	5.967	ug/l #	18
41) Methacrylonitrile	7.27	41	17736	7.864	ug/l #	45
49) 1,4-Dioxane	9.19	88	48	1.315	ug/l #	4
76) 1,2,3-Trichloropropane	12.48	75	153134	51.380	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	153134	97.173	ug/l #	15
95) Naphthalene	15.23	128	38983	3.535	ug/l	97

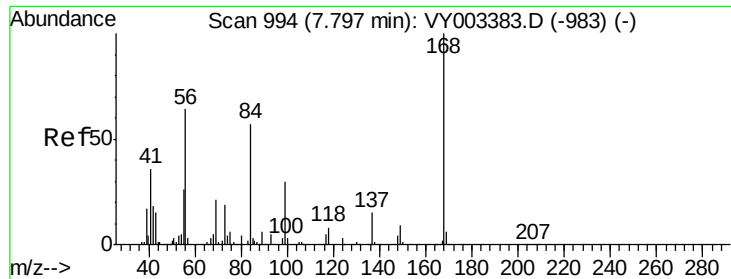
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY080320\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.00 min

Lab File: VY003418.D

Acq: 03 Aug 2020 15:39

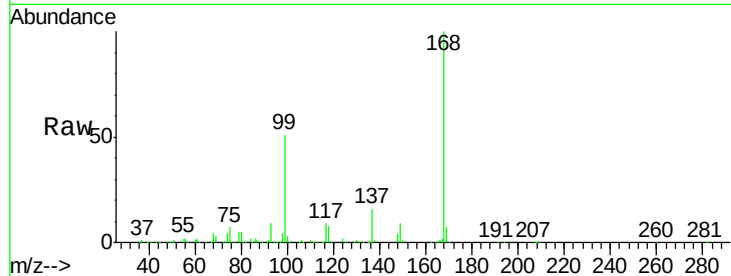
Instrument :
MSVOA_Y
ClientSampled :
TP-13

Tot Ion:168 Resp: 462001

Ion Ratio Lower Upper

168 100

99 51.5 38.8 58.2



Abundance Ion 167.90 (167.60 to 168.60): VY003383.D (-983) (-)

Ion 98.90 (98.60 to 99.60): VY003383.D (-983) (-)

7.80

200000

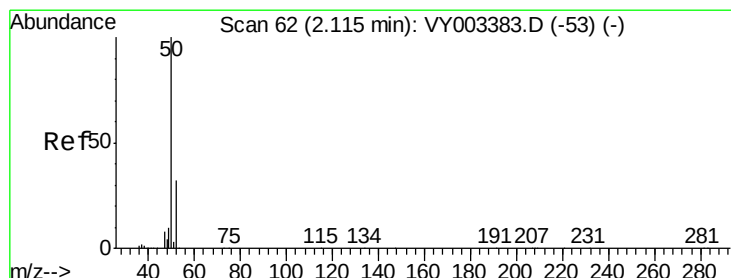
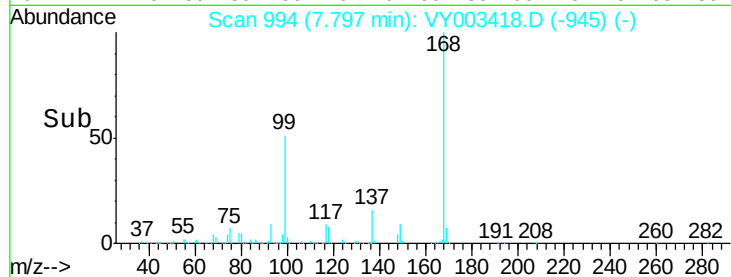
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 1.894 ug/l

RT: 2.11 min Scan# 61

Delta R.T. -0.01 min

Lab File: VY003418.D

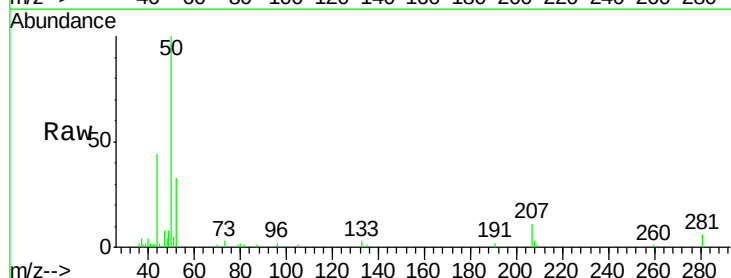
Acq: 03 Aug 2020 15:39

Tgt Ion: 50 Resp: 9813

Ion Ratio Lower Upper

50 100

52 33.4 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VY003383.D (-53) (-)

Ion 51.90 (51.60 to 52.60): VY003383.D (-53) (-)

2.11

8000

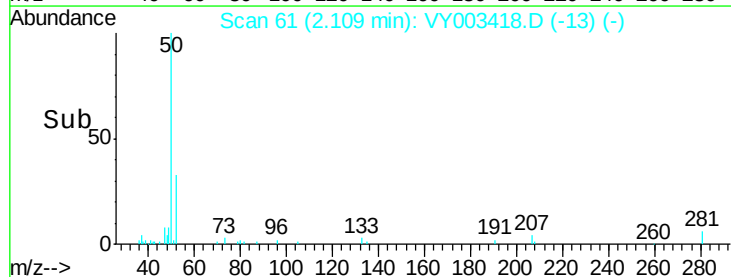
6000

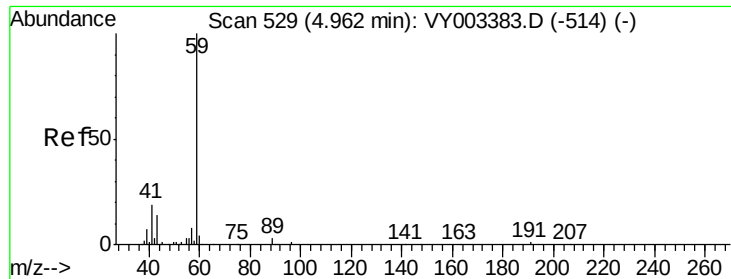
4000

2000

0

Time-->

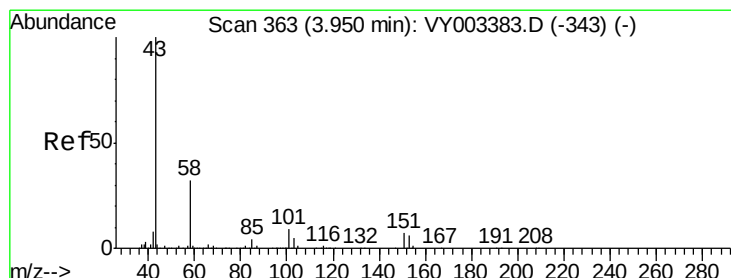
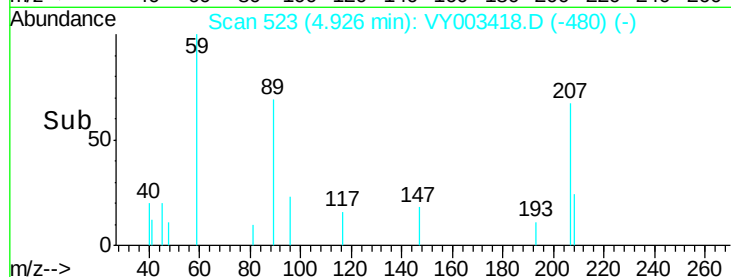
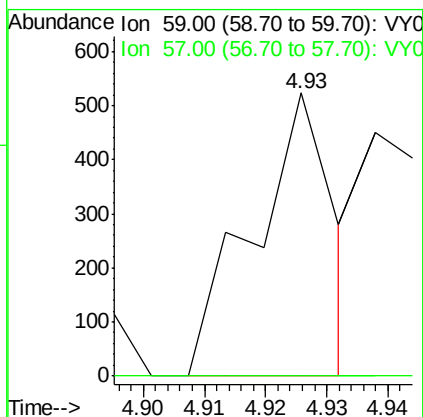
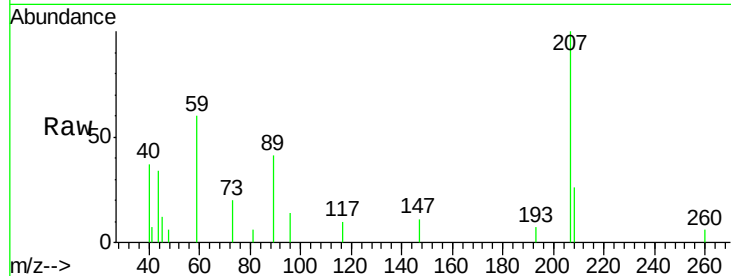




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.93 min Scan# 523
Delta R.T. -0.04 min
Lab File: VY003418.D
Acq: 03 Aug 2020 15:39

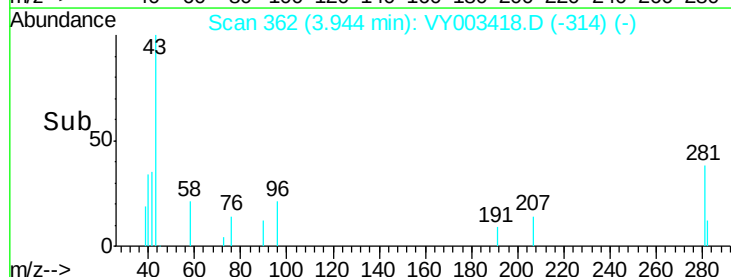
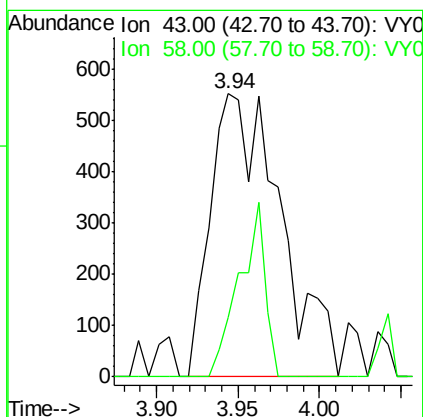
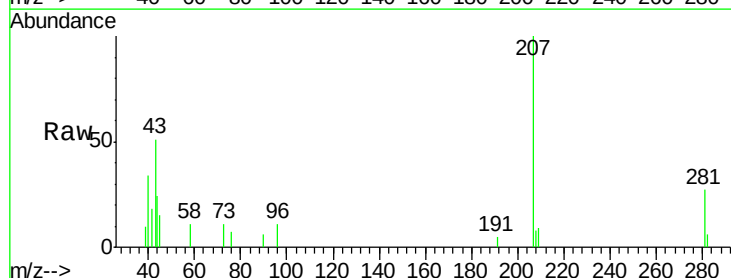
Instrument :
MSVOA_Y
ClientSampled :
TP-13

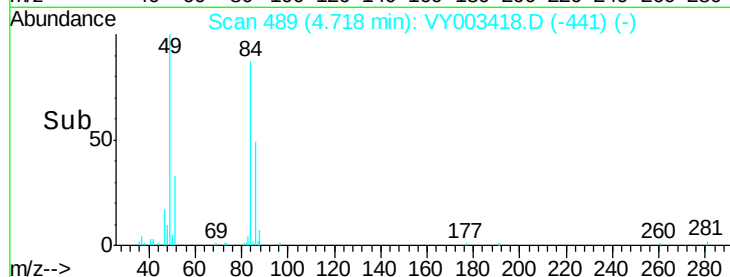
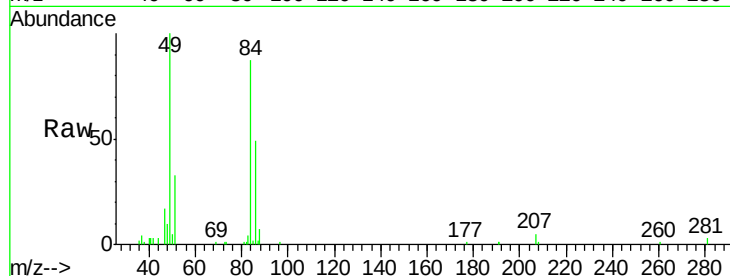
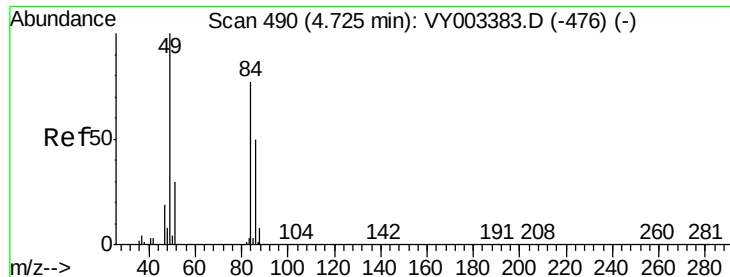
Tot Ion: 59 Resp: 478
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#



#16
Acetone
Concen: 1.517 ug/l
RT: 3.94 min Scan# 362
Delta R.T. -0.01 min
Lab File: VY003418.D
Acq: 03 Aug 2020 15:39

Tgt Ion: 43 Resp: 1646
Ion Ratio Lower Upper
43 100
58 20.8 25.4 38.2#

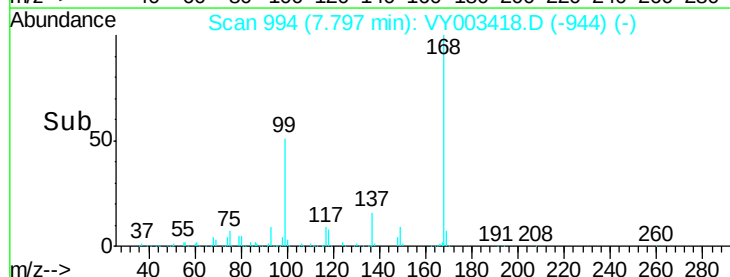
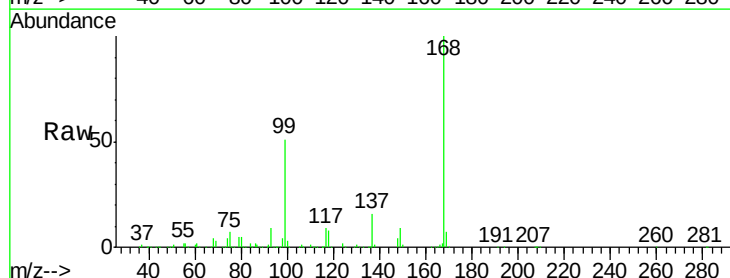
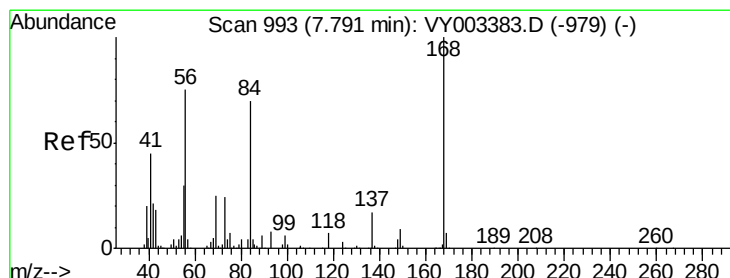
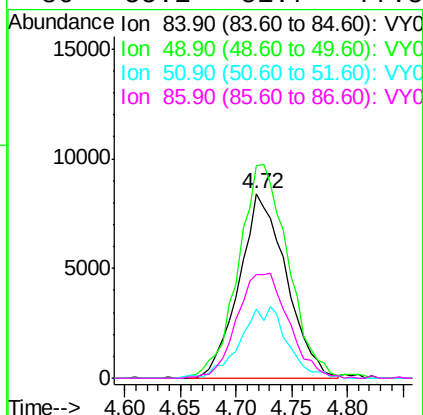




#20
Methylene Chloride
Concen: Below Cal
RT: 4.72 min Scan# 489
Delta R.T. -0.01 min
Lab File: VY003418.D
Acq: 03 Aug 2020 15:39

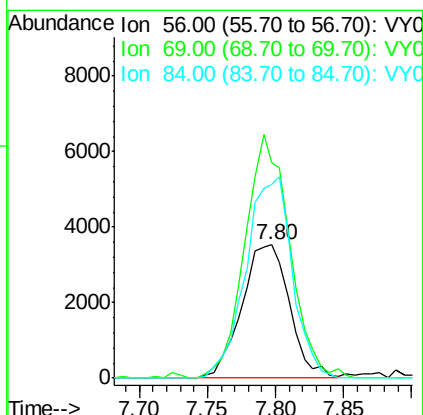
Instrument :
MSVOA_Y
ClientSampled :
TP-13

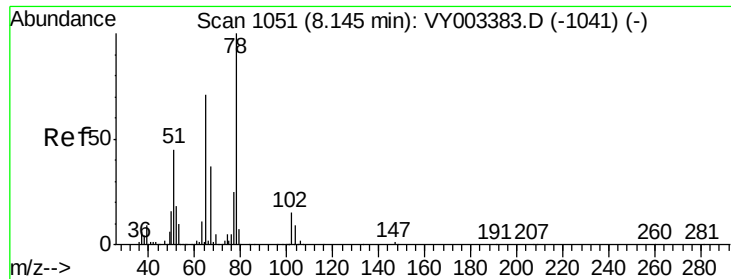
Tot Ion:	84	Resp:	24727
Ion	Ratio	Lower	Upper
84	100		
49	113.3	104.2	156.4
51	36.3	31.5	47.3
86	55.1	51.7	77.5



#31
Cyclohexane
Concen: 1.112 ug/l
RT: 7.80 min Scan# 994
Delta R.T. 0.01 min
Lab File: VY003418.D
Acq: 03 Aug 2020 15:39

Tgt Ion:	56	Resp:	8662
Ion	Ratio	Lower	Upper
56	100		
69	161.5	26.1	39.1#
84	149.3	73.9	110.9#

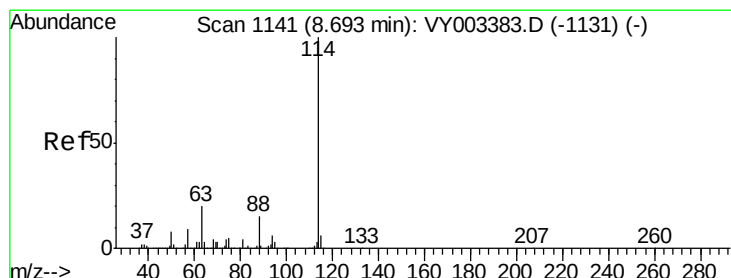
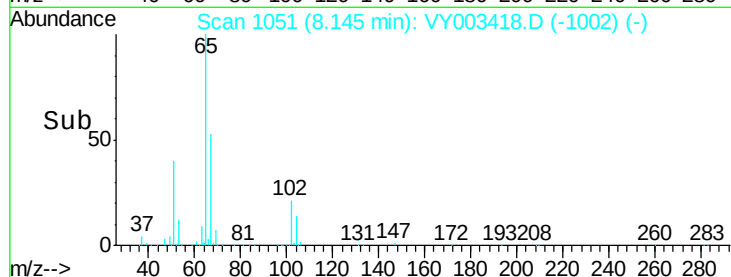
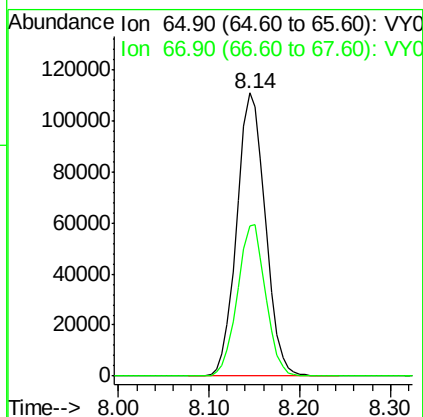
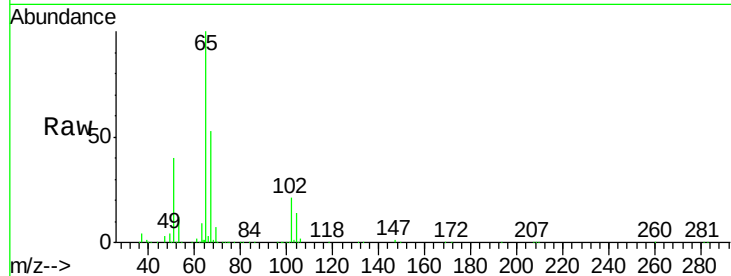




#33
 1,2-Dichloroethane-d4
 Concen: 55.160 ug/l
 RT: 8.14 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VY003418.D
 Acq: 03 Aug 2020 15:39

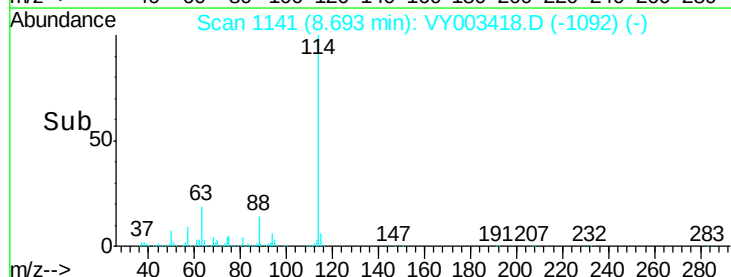
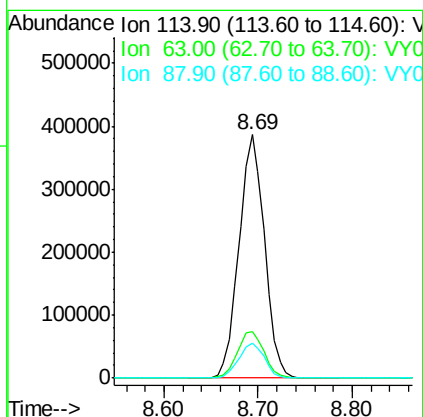
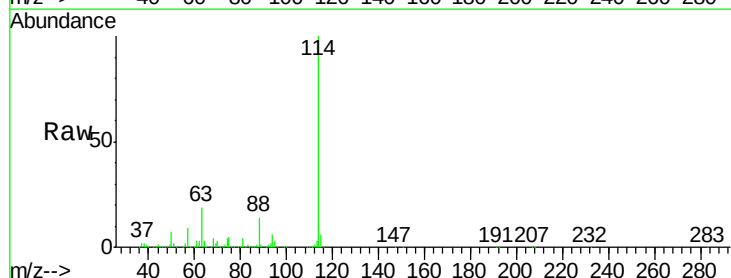
Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-13

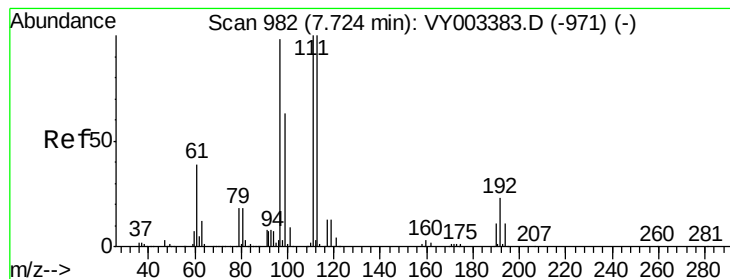
Tot Ion: 65 Resp: 242304
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 106.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. 0.00 min
 Lab File: VY003418.D
 Acq: 03 Aug 2020 15:39

Tgt Ion: 114 Resp: 731117
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 40.6
 88 14.3 0.0 29.2





#35

Dibromofluoromethane

Concen: 54.250 ug/l

RT: 7.72 min Scan# 982

Delta R.T. 0.00 min

Lab File: VY003418.D

Acq: 03 Aug 2020 15:39

Instrument :

MSVOA_Y

ClientSampled :

TP-13

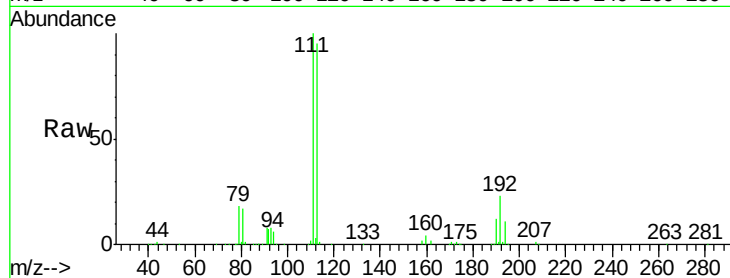
Tot Ion:113 Resp: 233641

Ion Ratio Lower Upper

113 100

111 101.6 83.0 124.4

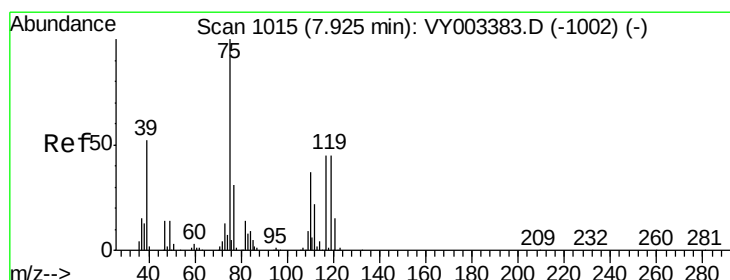
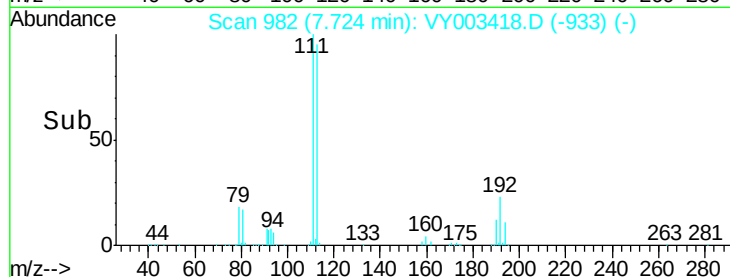
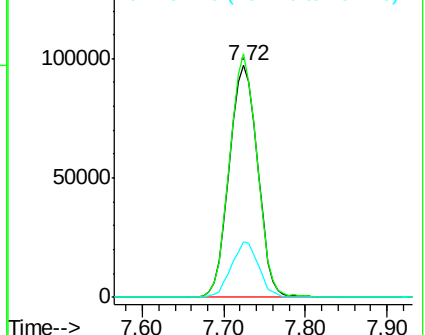
192 23.0 18.8 28.2



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: 4.580 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.13 min

Lab File: VY003418.D

Acq: 03 Aug 2020 15:39

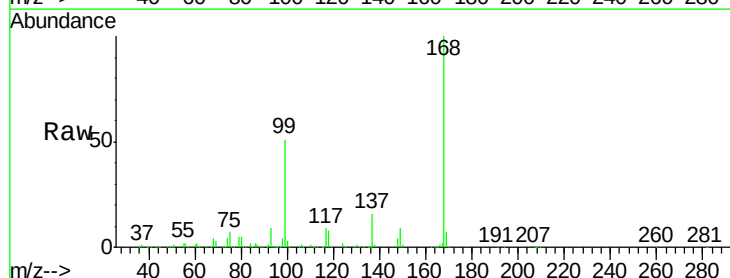
Tgt Ion: 75 Resp: 31690

Ion Ratio Lower Upper

75 100

110 9.4 17.8 53.5#

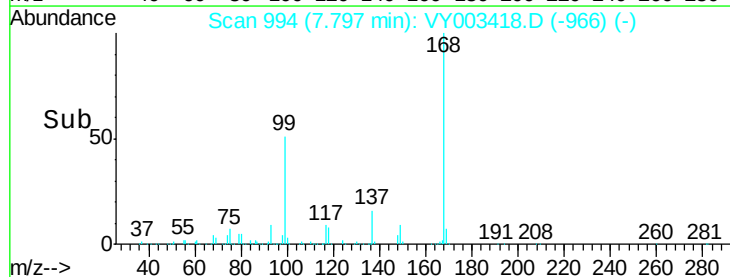
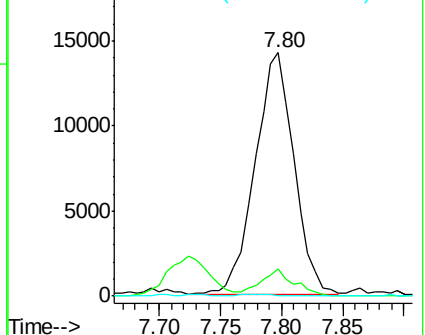
77 0.0 24.6 36.8#

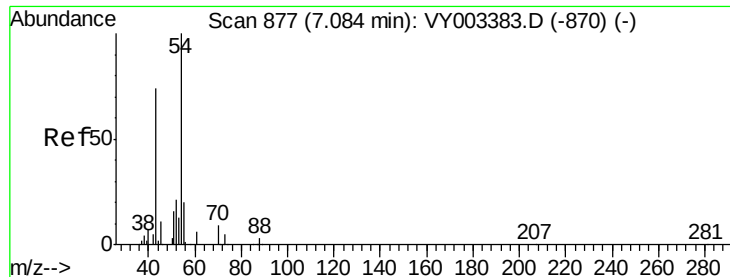


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0

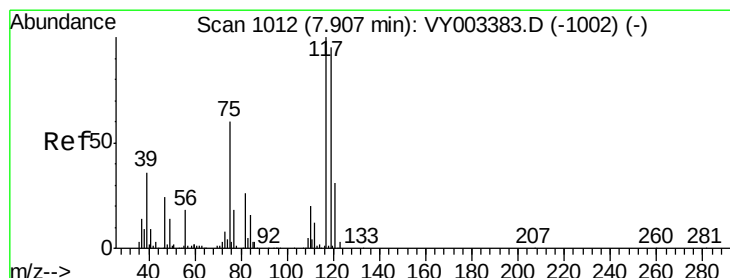
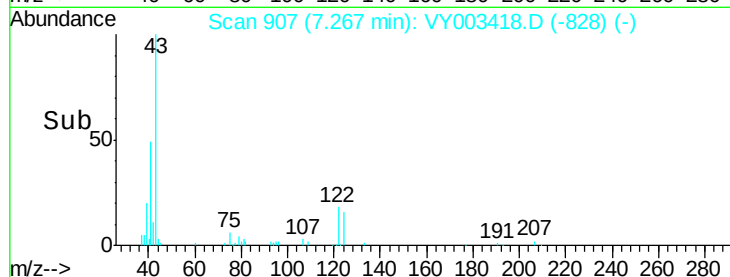
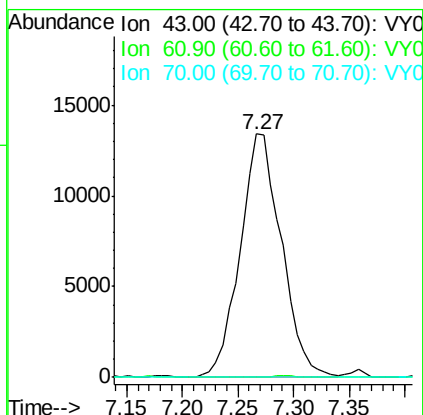
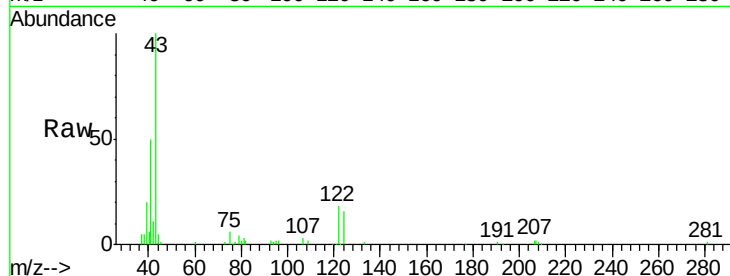




#37
Ethyl Acetate
Concen: 8.802 ug/l
RT: 7.27 min Scan# 907
Delta R.T. 0.18 min
Lab File: VY003418.D
Acq: 03 Aug 2020 15:39

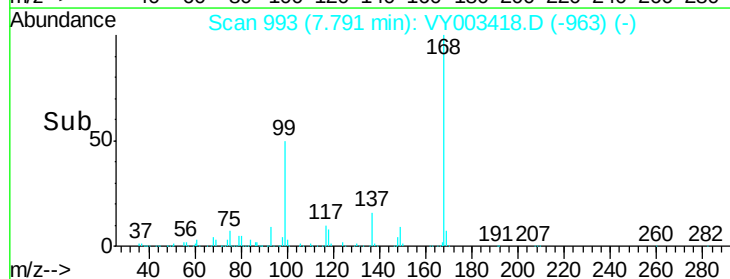
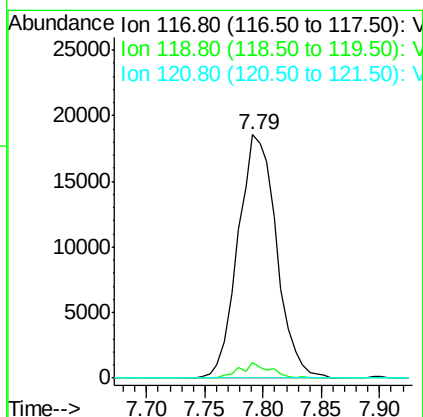
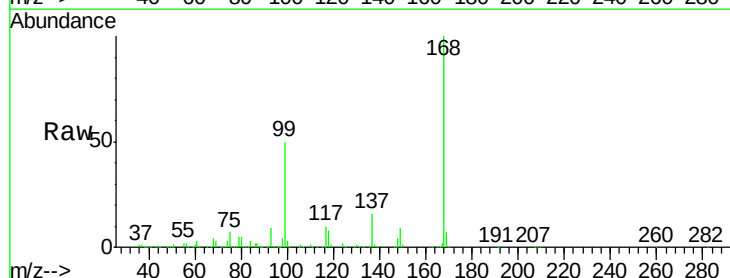
Instrument :
MSVOA_Y
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TP-13

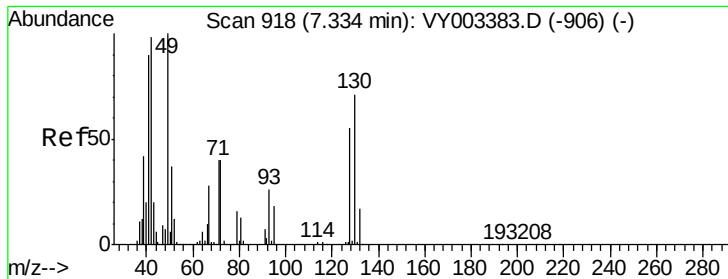
Tot Ion: 43 Resp: 34626
Ion Ratio Lower Upper
43 100
61 0.0 11.2 16.8#
70 0.0 7.7 11.5#



#38
Carbon Tetrachloride
Concen: 5.967 ug/l
RT: 7.79 min Scan# 993
Delta R.T. -0.12 min
Lab File: VY003418.D
Acq: 03 Aug 2020 15:39

Tgt Ion: 117 Resp: 42480
Ion Ratio Lower Upper
117 100
119 6.7 76.1 114.1#
121 0.0 24.5 36.7#

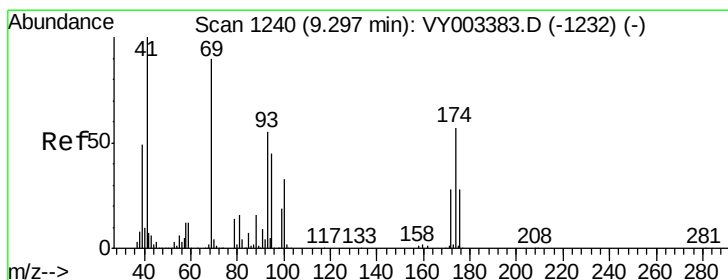
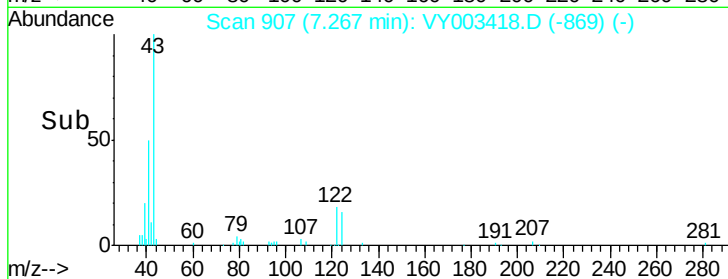
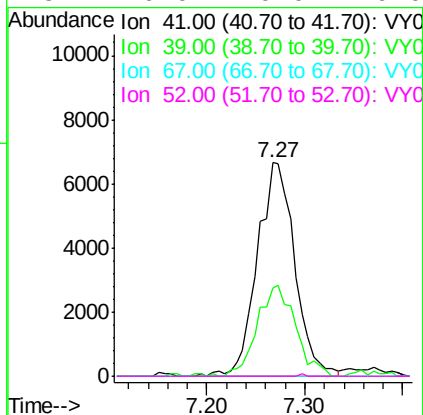
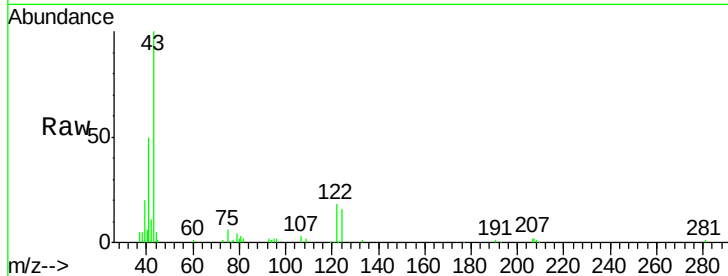




#41
Methacrylonitrile
Concen: 7.864 ug/l
RT: 7.27 min Scan# 907
Delta R.T. -0.07 min
Lab File: VY003418.D
Acq: 03 Aug 2020 15:39

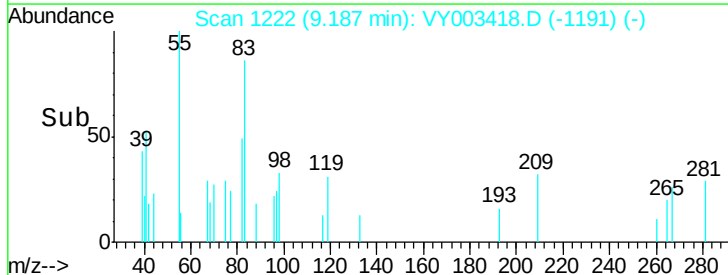
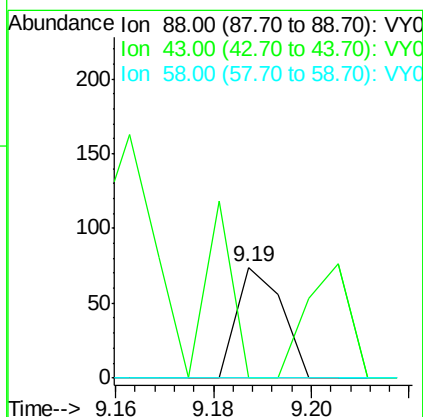
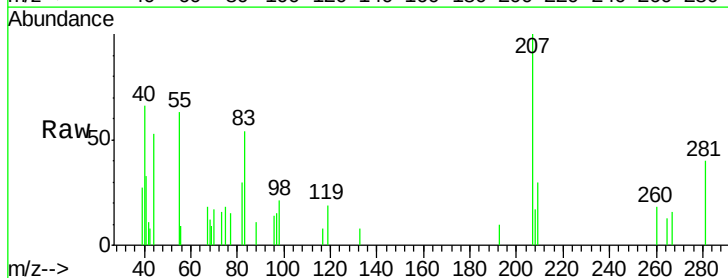
Instrument :
MSVOA_Y
ClientSampleId :
TP-13

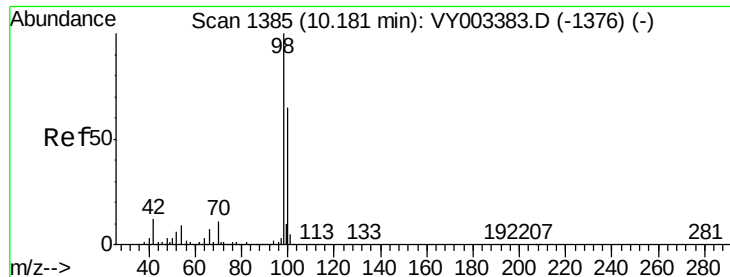
Tot Ion:	41	Resp:	17736
Ion	Ratio	Lower	Upper
41	100		
39	43.6	78.3	117.5#
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#49
1,4-Dioxane
Concen: 1.315 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. -0.11 min
Lab File: VY003418.D
Acq: 03 Aug 2020 15:39

Tgt Ion:	88	Resp:	48
Ion	Ratio	Lower	Upper
88	100		
43	97.9	24.9	37.3#
58	0.0	54.3	81.5#





#50

Toluene-d8

Concen: 53.048 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VY003418.D

Acq: 03 Aug 2020 15:39

Instrument :

MSVOA_Y

ClientSampleId :

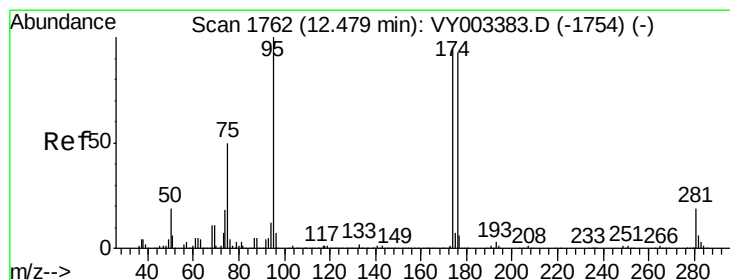
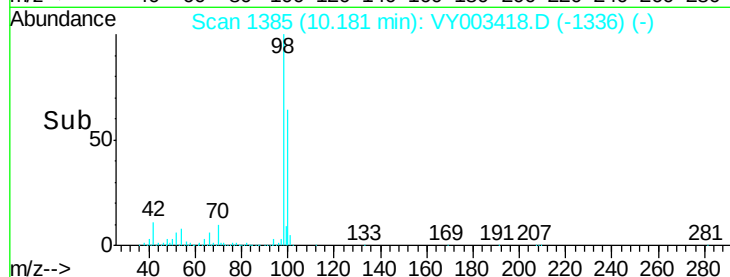
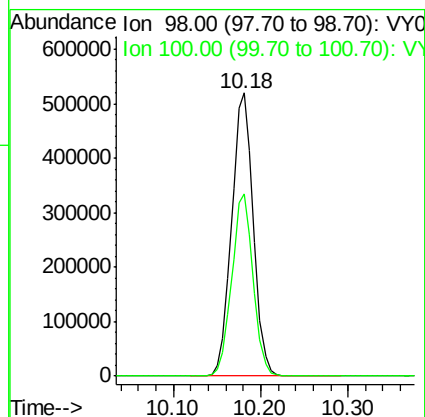
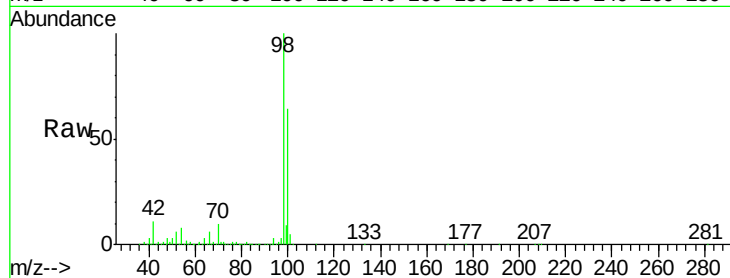
TP-13

Tot Ion: 98 Resp: 894630

Ion Ratio Lower Upper

98 100

100 63.5 51.3 76.9



#62

4-Bromofluorobenzene

Concen: 51.847 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY003418.D

Acq: 03 Aug 2020 15:39

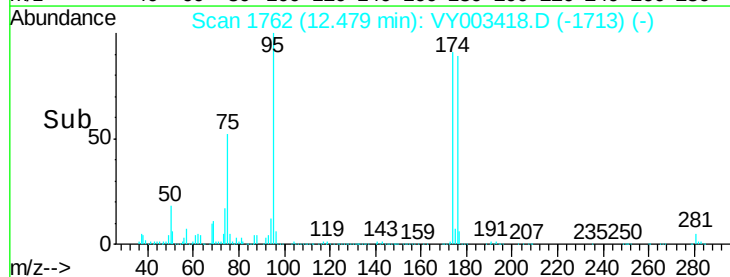
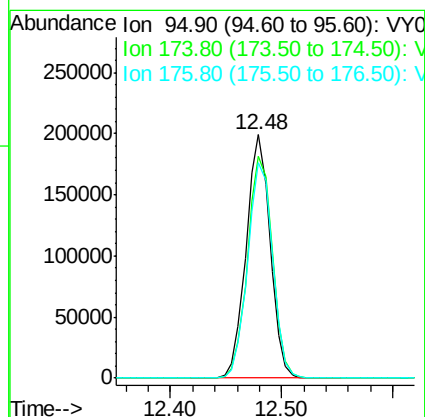
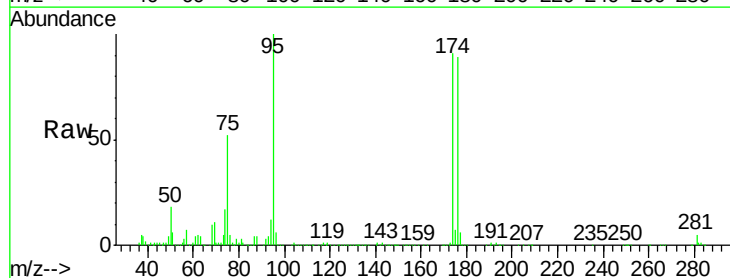
Tgt Ion: 95 Resp: 298753

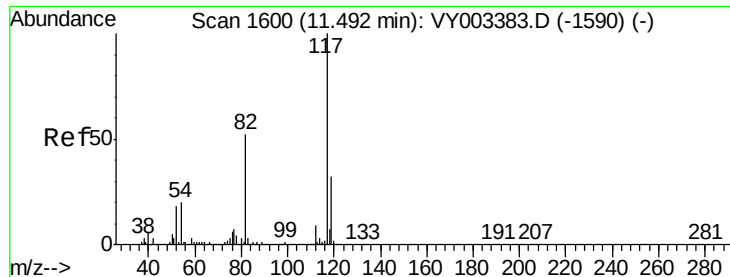
Ion Ratio Lower Upper

95 100

174 94.6 0.0 190.0

176 92.0 0.0 184.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1599

Delta R.T. -0.01 min

Lab File: VY003418.D

Acq: 03 Aug 2020 15:39

Instrument :

MSVOA_Y

ClientSampleId :

TP-13

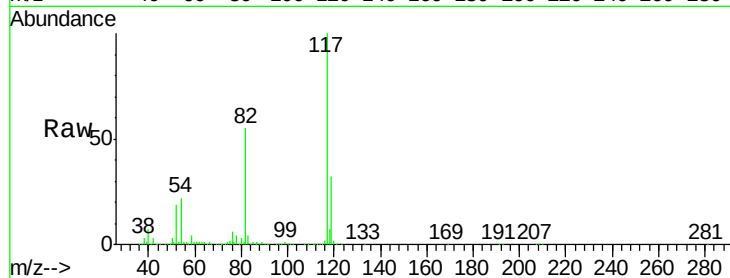
Tot Ion:117 Resp: 679828

Ion Ratio Lower Upper

117 100

82 55.4 41.9 62.9

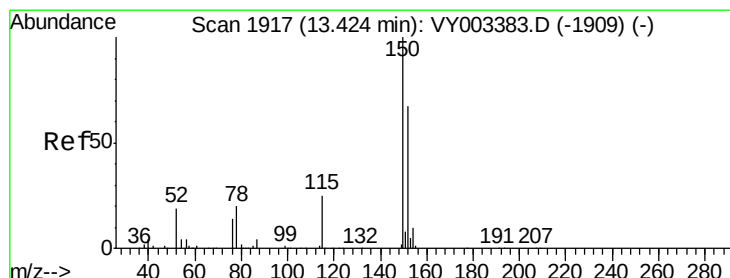
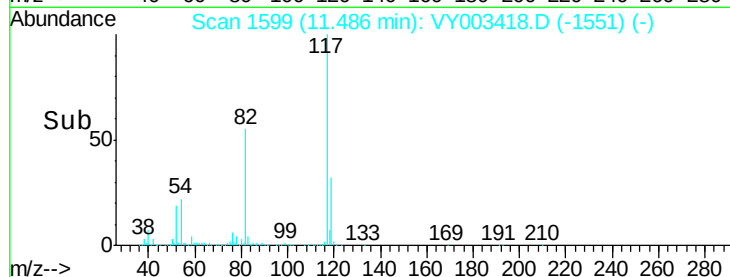
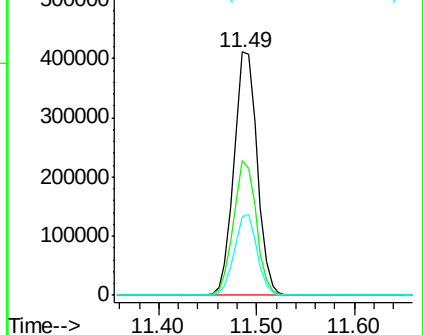
119 32.3 25.4 38.0



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: VY003418.D

Acq: 03 Aug 2020 15:39

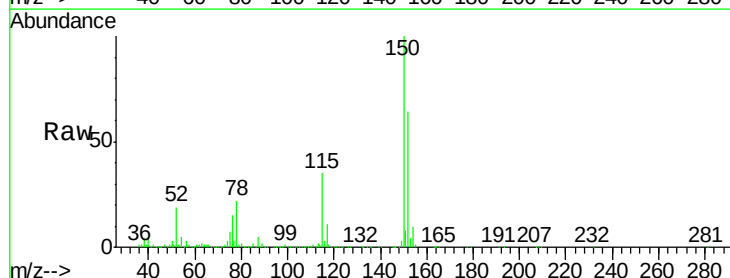
Tgt Ion:152 Resp: 331765

Ion Ratio Lower Upper

152 100

115 54.9 27.2 81.5

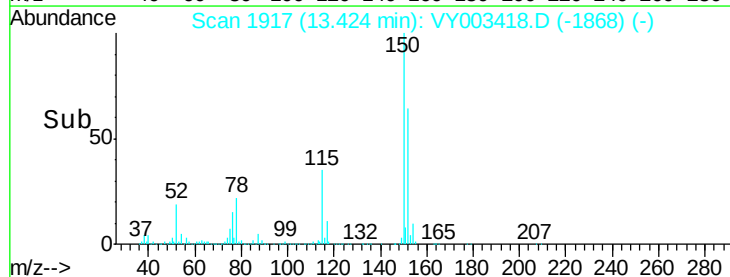
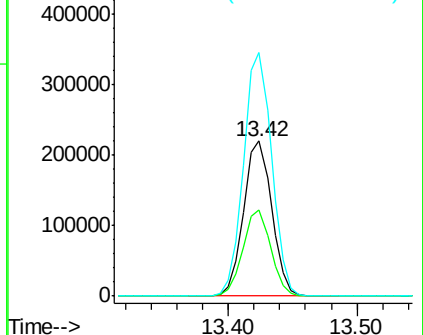
150 156.4 0.0 346.8

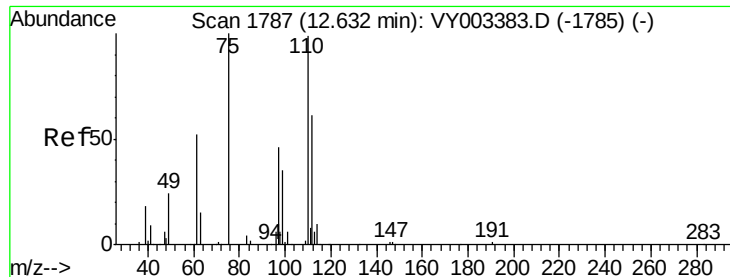


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 51.380 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY003418.D

Acq: 03 Aug 2020 15:39

Instrument :

MSVOA_Y

ClientSampleId :

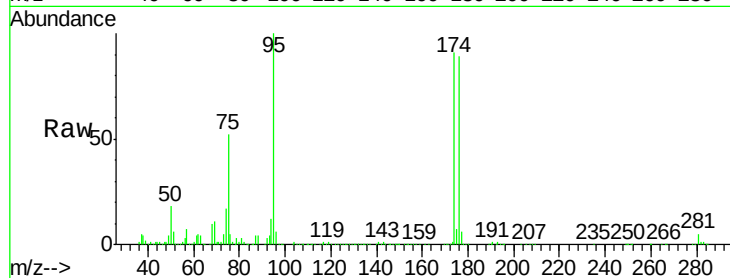
TP-13

Tot Ion: 75 Resp: 153134

Ion Ratio Lower Upper

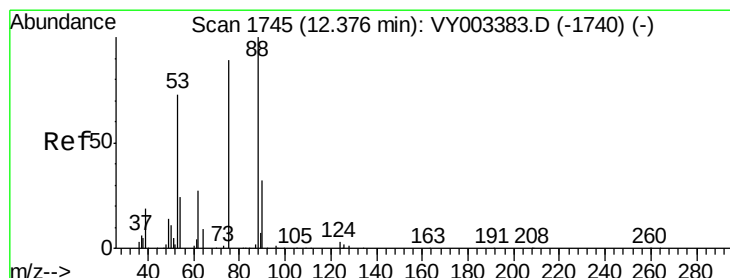
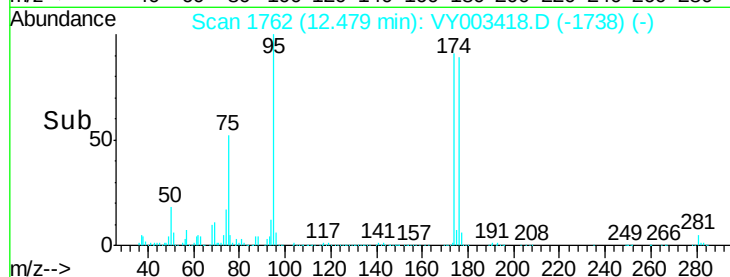
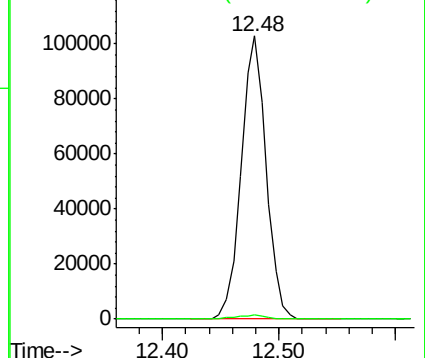
75 100

77 1.7 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: 97.173 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY003418.D

Acq: 03 Aug 2020 15:39

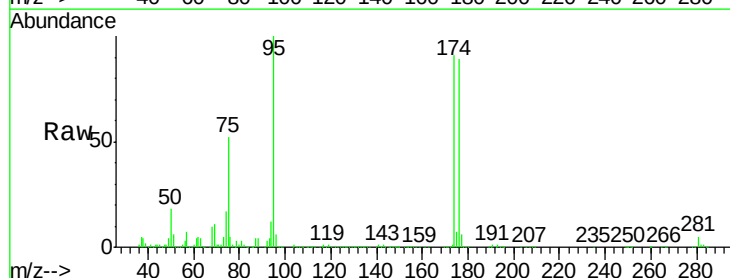
Tgt Ion: 75 Resp: 153134

Ion Ratio Lower Upper

75 100

53 0.0 69.5 104.3#

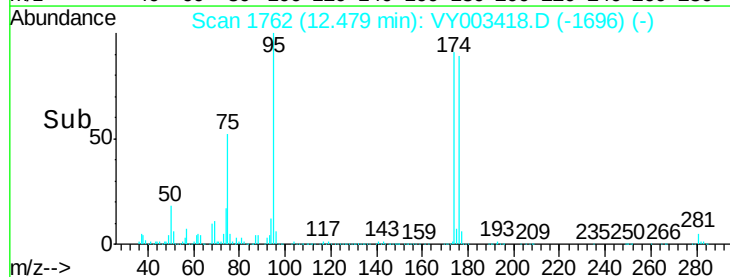
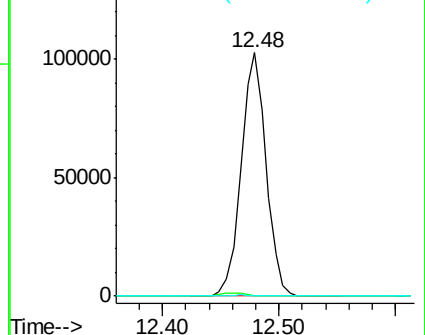
89 0.0 33.8 50.6#

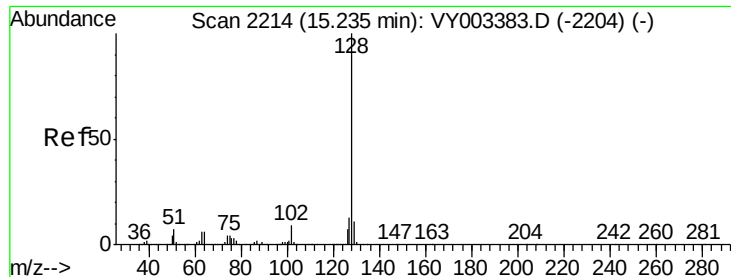


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0

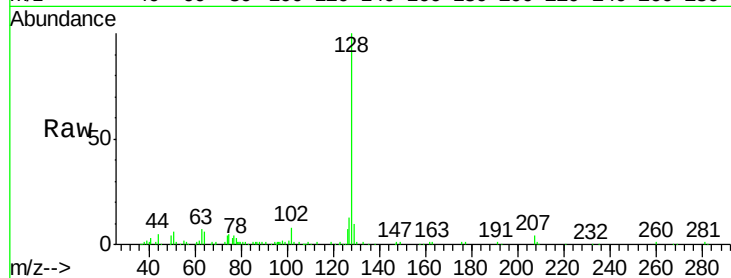




#95
 Naphthalene
 Concen: 3.535 ug/l
 RT: 15.23 min Scan# 2214
 Delta R.T. -0.00 min
 Lab File: VY003418.D
 Acq: 03 Aug 2020 15:39

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-13

Tot Ion:128 Resp: 38983
 Ion Ratio Lower Upper
 128 100
 127 14.2 10.4 15.6
 129 12.2 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 127.00 (126.70 to 127.70): V
 Ion 129.00 (128.70 to 129.70): V

