

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY072020\
 Data File : VY003233.D
 Acq On : 20 Jul 2020 15:49
 Operator : SY/MD
 Sample : L3188-13
 Misc : 7.65G/5ML/MSVOA Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TR-04-071620

Quant Time: Jul 21 03:18:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y071020S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 10 13:18:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	263891	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	406147	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	342834	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	134468	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.15	65	140670	63.16	ug/l	0.00
Spiked Amount			Recovery	=	126.32%	
35) Dibromofluoromethane	7.72	113	124237	53.15	ug/l	0.00
Spiked Amount			Recovery	=	106.30%	
50) Toluene-d8	10.18	98	477898	55.00	ug/l	0.00
Spiked Amount			Recovery	=	110.00%	
62) 4-Bromofluorobenzene	12.48	95	138212	44.03	ug/l	0.00
Spiked Amount			Recovery	=	88.06%	

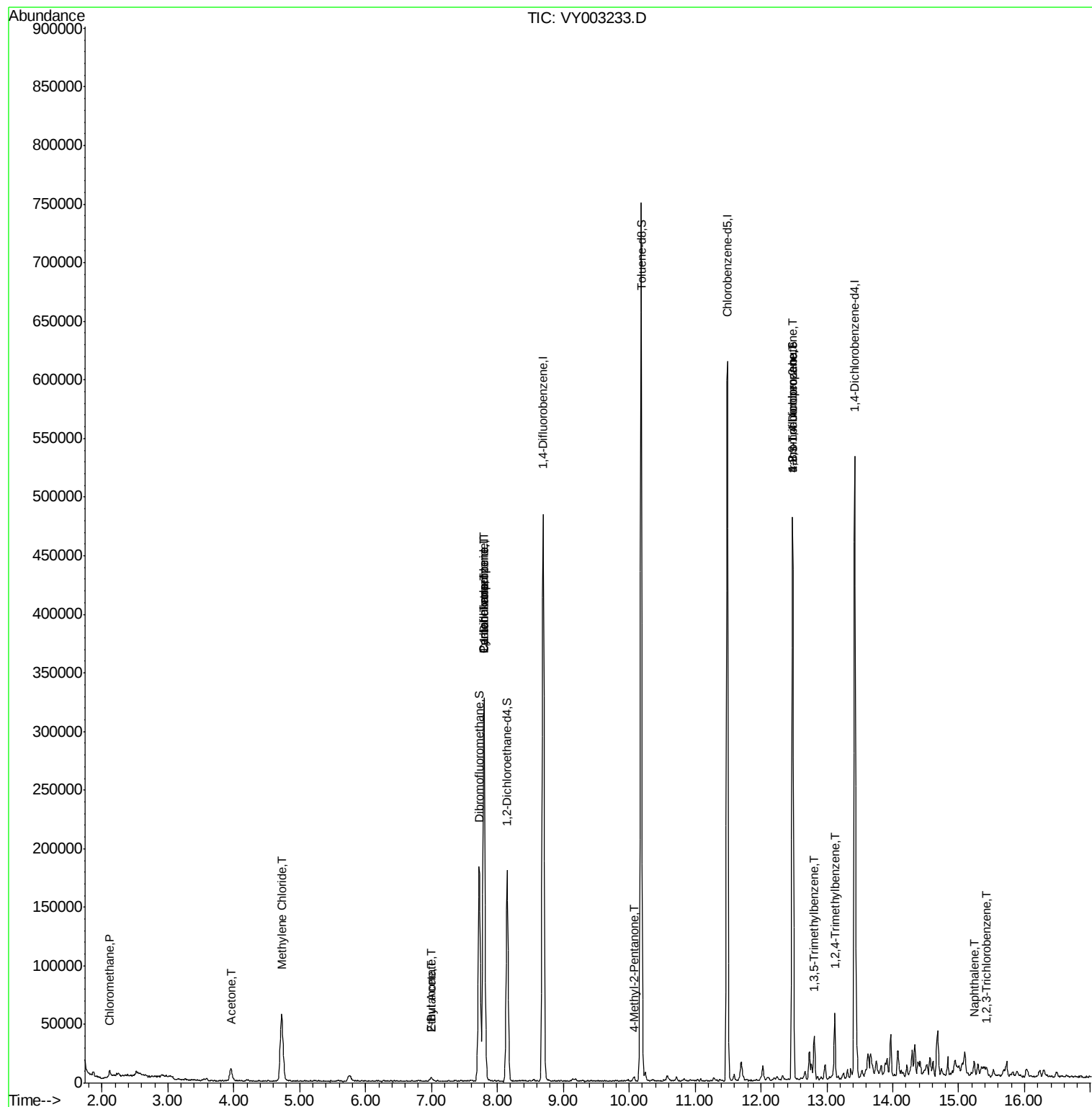
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.12	50	4305	1.641	ug/l	97
16) Acetone	3.96	43	17848	35.874	ug/l	94
20) Methylene Chloride	4.72	84	41753	12.565	ug/l	86
25) 2-Butanone	7.00	43	5052	6.185	ug/l	98
31) Cyclohexane	7.79	56	5898	1.456	ug/l #	38
36) 1,1-Dichloropropene	7.80	75	18822	5.113	ug/l #	48
37) Ethyl Acetate	7.00	43	5052	2.548	ug/l #	68
38) Carbon Tetrachloride	7.80	117	24322	6.400	ug/l #	18
51) 4-Methyl-2-Pentanone	10.08	43	2037	1.021	ug/l	88
76) 1,2,3-Trichloropropane	12.48	75	72806	61.167	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.81	105	12368	1.732	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.48	75	72806	119.044	ug/l #	13
84) 1,2,4-Trimethylbenzene	13.12	105	28161	3.919	ug/l	95
95) Naphthalene	15.23	128	8212	1.927	ug/l #	96
96) 1,2,3-Trichlorobenzene	15.43	180	2056	1.009	ug/l #	80

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY072020\
Data File : VY003233.D
Acq On : 20 Jul 2020 15:49
Operator : SY/MD
Sample : L3188-13
Misc : 7.65G/5ML/MSVOA Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TR-04-071620

Quant Time: Jul 21 03:18:32 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y071020S.M
Quant Title : SW846 8260
QLast Update : Fri Jul 10 13:18:03 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.00 min

Lab File: VY003233.D

Acq: 20 Jul 2020 15:49

Instrument :

MSVOA_Y

ClientSampleId :

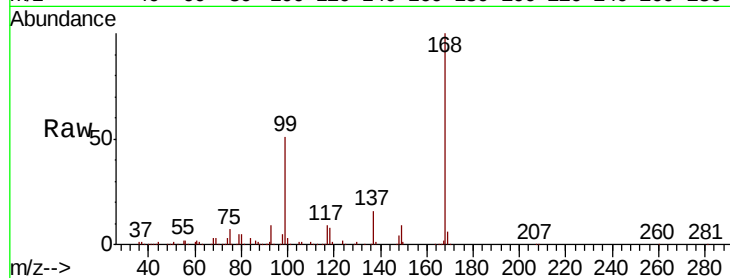
TR-04-071620

Tot Ion:168 Resp: 263891

Ion Ratio Lower Upper

168 100

99 51.5 37.3 55.9



Abundance Ion 167.90 (167.60 to 168.60): VY003233.D (-945) (-)

Ion 98.90 (98.60 to 99.60): VY003233.D (-945) (-)

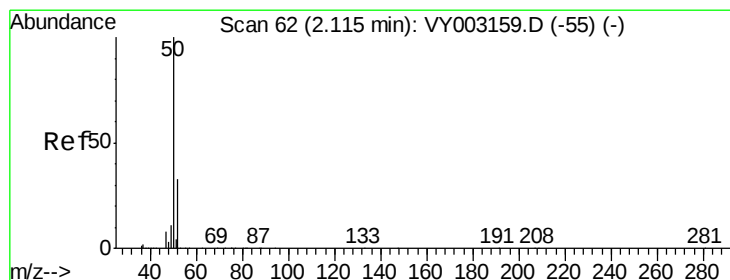
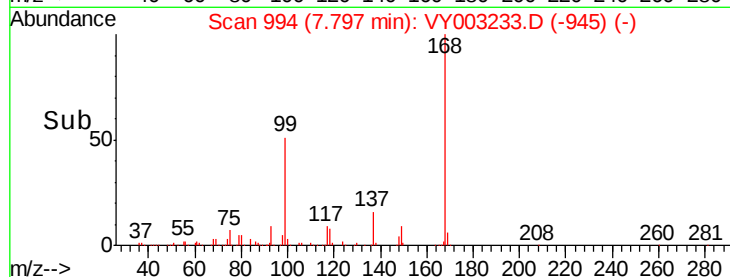
7.80

100000

50000

0

Time-->



#3

Chloromethane

Concen: 1.641 ug/l

RT: 2.12 min Scan# 62

Delta R.T. 0.00 min

Lab File: VY003233.D

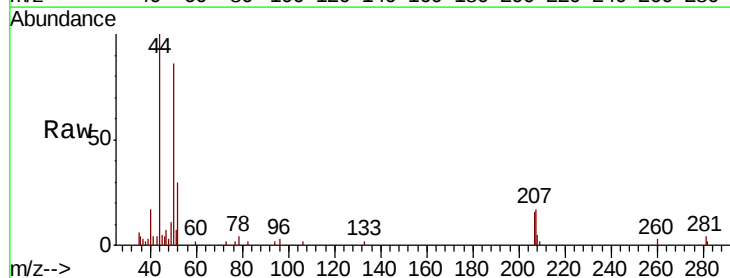
Acq: 20 Jul 2020 15:49

Tgt Ion: 50 Resp: 4305

Ion Ratio Lower Upper

50 100

52 34.7 26.6 39.8



Abundance Ion 49.90 (49.60 to 50.60): VY003233.D (-13) (-)

Ion 51.90 (51.60 to 52.60): VY003233.D (-13) (-)

2.12

3000

2500

2000

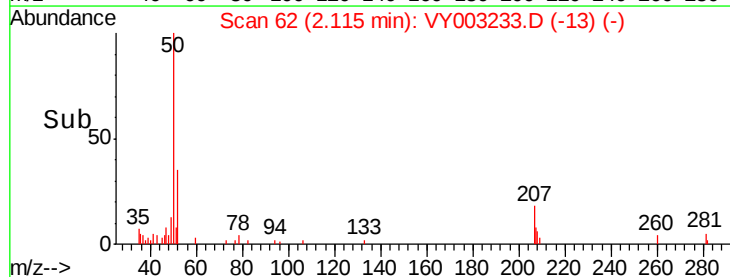
1500

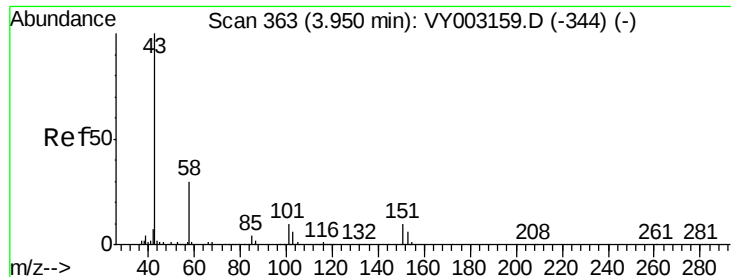
1000

500

0

Time-->





#16

Acetone

Concen: 35.874 ug/l

RT: 3.96 min Scan# 364

Delta R.T. 0.01 min

Lab File: VY003233.D

Acq: 20 Jul 2020 15:49

Instrument :

MSVOA_Y

ClientSampleId :

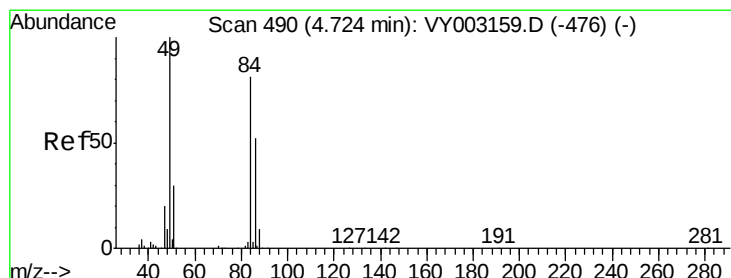
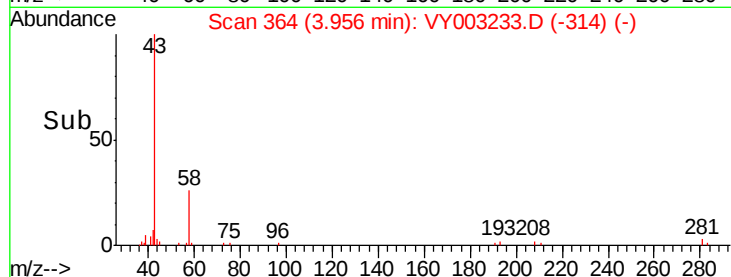
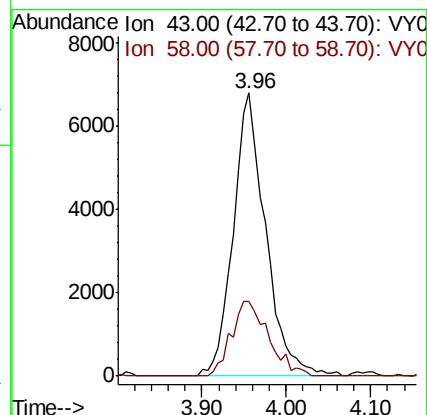
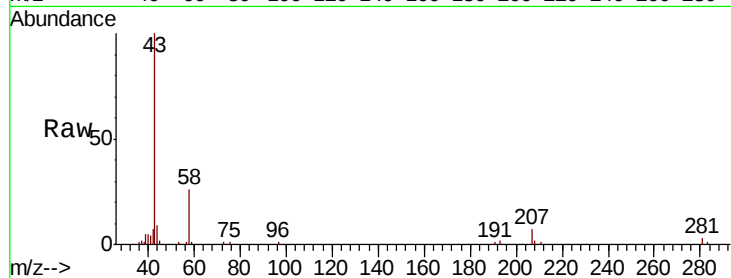
TR-04-071620

Tot Ion: 43 Resp: 17848

Ion Ratio Lower Upper

43 100

58 26.3 23.8 35.6



#20

Methylene Chloride

Concen: 12.565 ug/l

RT: 4.72 min Scan# 490

Delta R.T. 0.00 min

Lab File: VY003233.D

Acq: 20 Jul 2020 15:49

Tgt Ion: 84 Resp: 41753

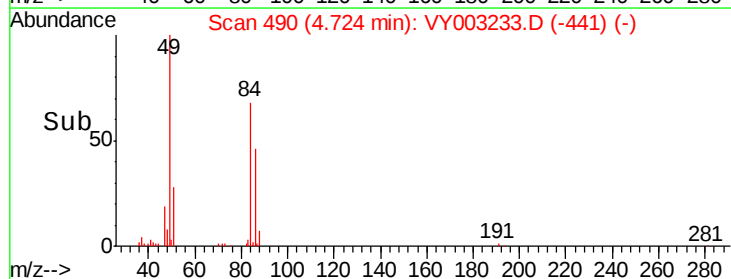
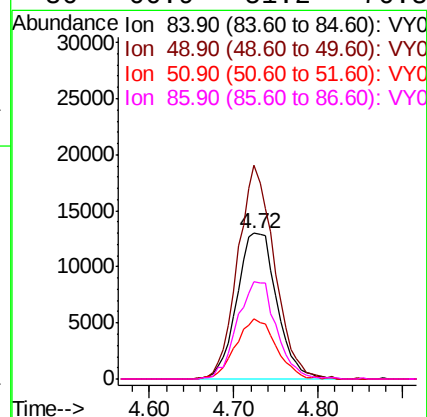
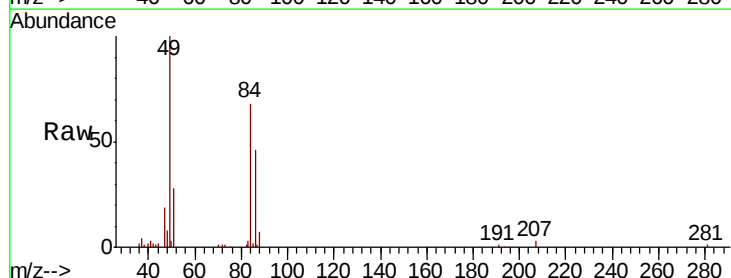
Ion Ratio Lower Upper

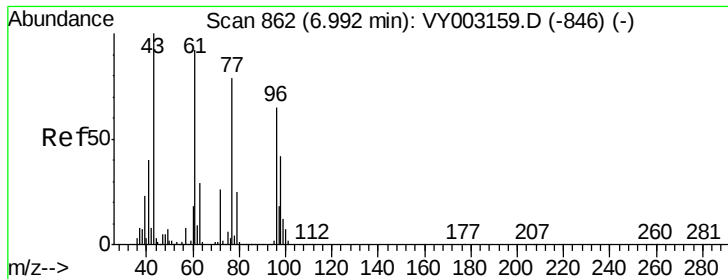
84 100

49 146.6 98.2 147.4

51 41.4 29.8 44.6

86 66.9 51.2 76.8

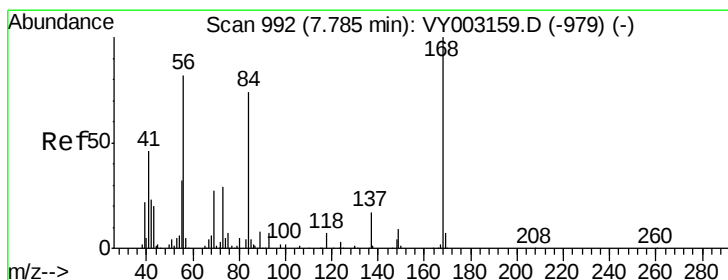
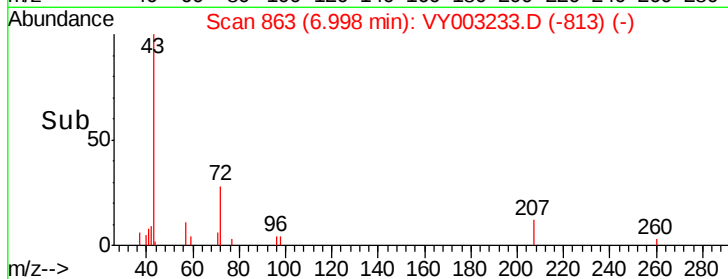
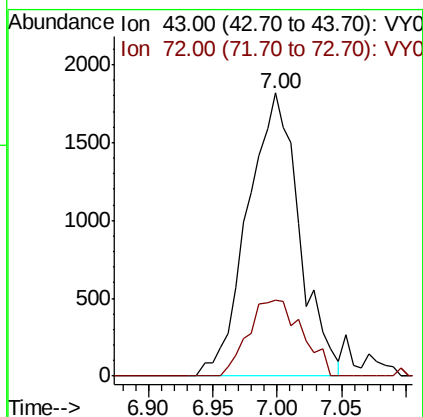
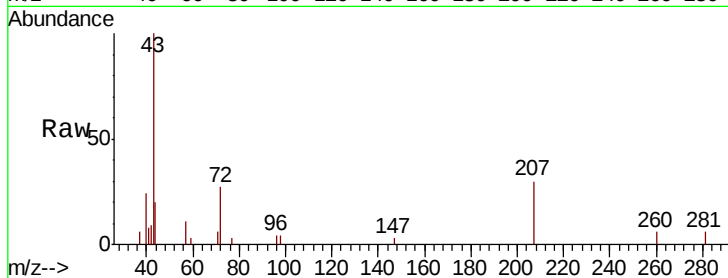




#25
2-Butanone
Concen: 6.185 ug/l
RT: 7.00 min Scan# 863
Delta R.T. 0.01 min
Lab File: VY003233.D
Acq: 20 Jul 2020 15:49

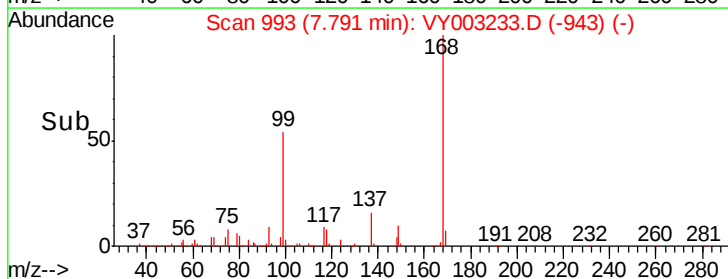
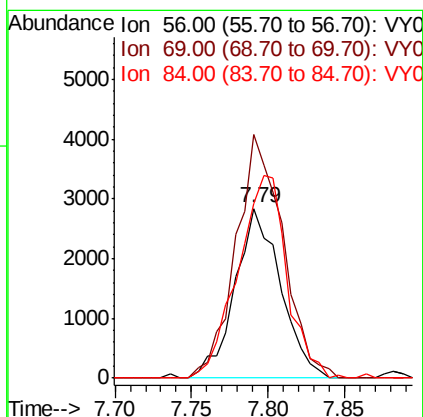
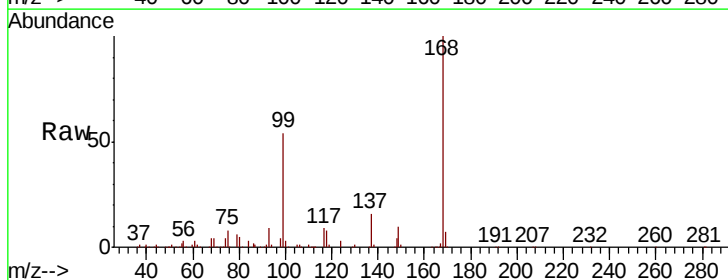
Instrument :
MSVOA_Y
ClientSampleId :
TR-04-071620

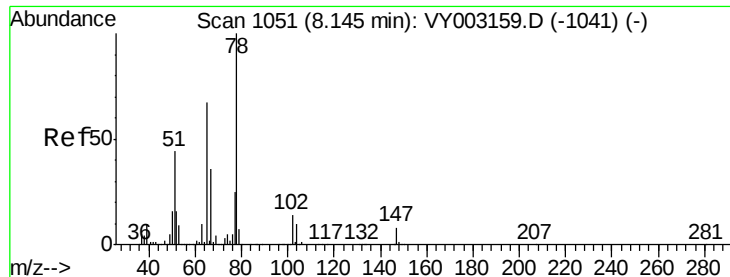
Tot Ion: 43 Resp: 5052
Ion Ratio Lower Upper
43 100
72 27.0 20.9 31.3



#31
Cyclohexane
Concen: 1.456 ug/l
RT: 7.79 min Scan# 993
Delta R.T. 0.01 min
Lab File: VY003233.D
Acq: 20 Jul 2020 15:49

Tgt Ion: 56 Resp: 5898
Ion Ratio Lower Upper
56 100
69 143.6 26.7 40.1#
84 103.1 72.3 108.5

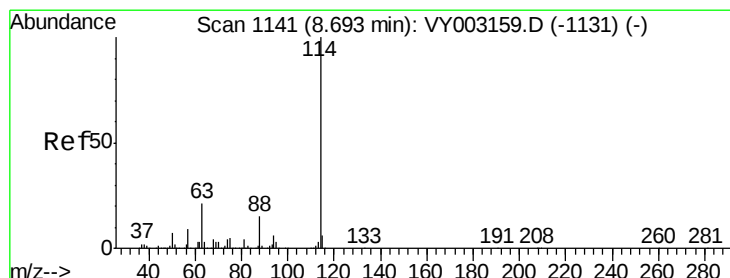
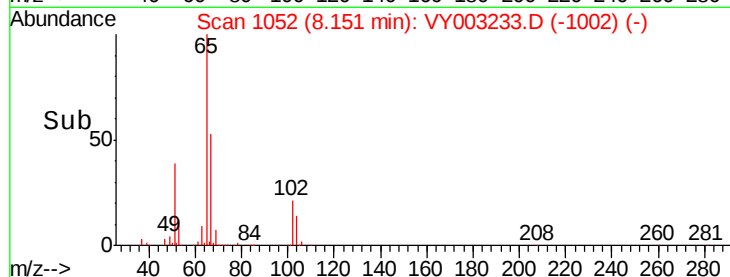
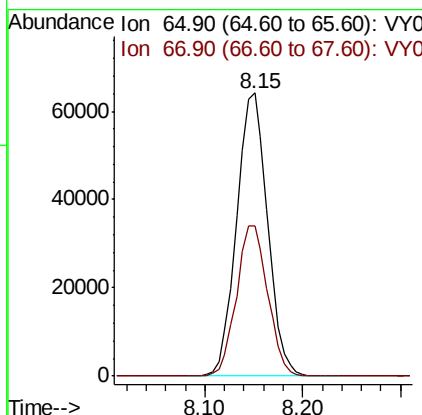
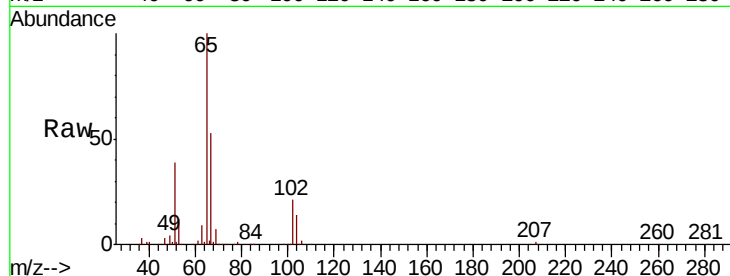




#33
 1,2-Dichloroethane-d4
 Concen: 63.156 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. 0.01 min
 Lab File: VY003233.D
 Acq: 20 Jul 2020 15:49

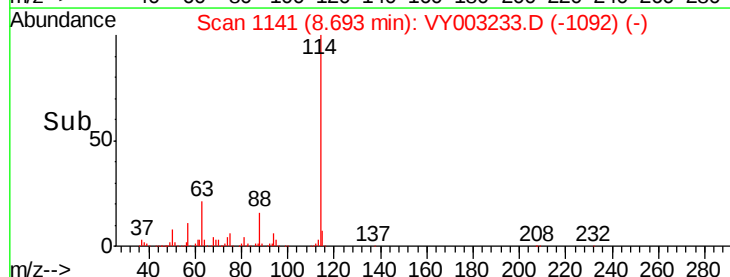
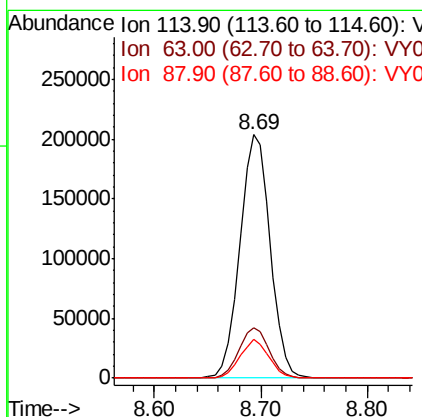
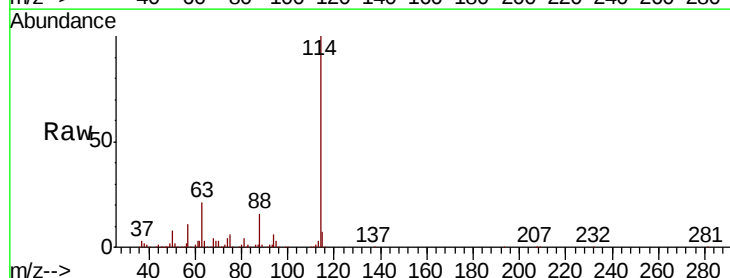
Instrument :
 MSVOA_Y
 ClientSampleId :
 TR-04-071620

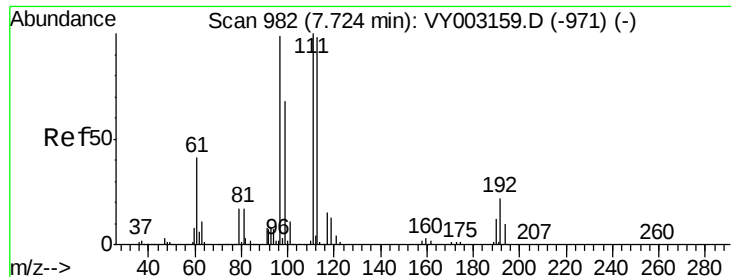
Tot Ion: 65 Resp: 140670
 Ion Ratio Lower Upper
 65 100
 67 53.7 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. 0.00 min
 Lab File: VY003233.D
 Acq: 20 Jul 2020 15:49

Tgt Ion: 114 Resp: 406147
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 41.2
 88 15.9 0.0 30.2

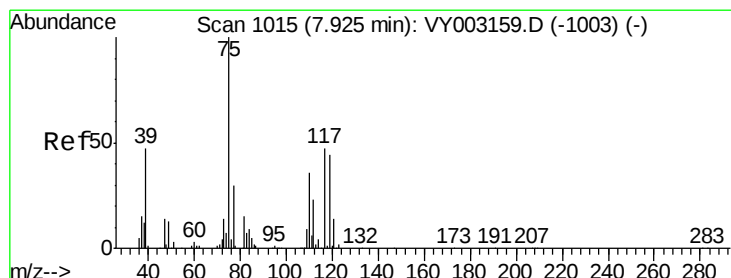
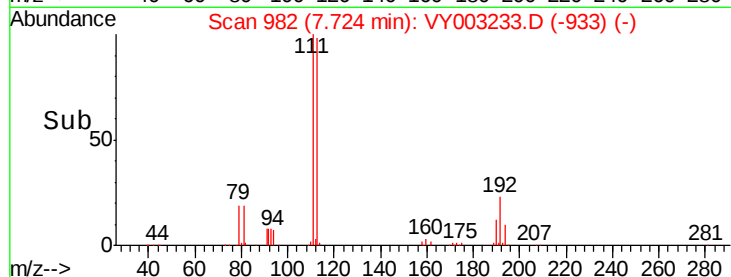
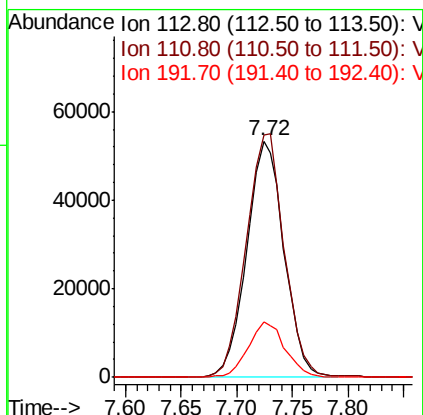
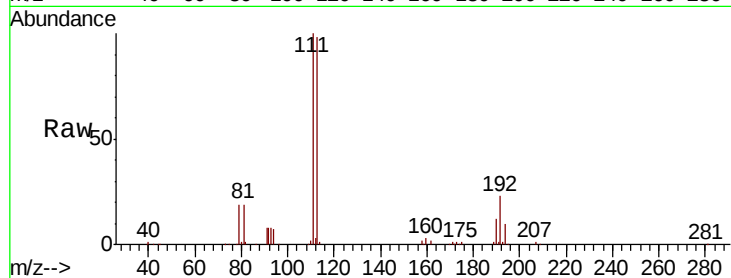




#35
 Dibromofluoromethane
 Concen: 53.155 ug/l
 RT: 7.72 min Scan# 982
 Delta R.T. 0.00 min
 Lab File: VY003233.D
 Acq: 20 Jul 2020 15:49

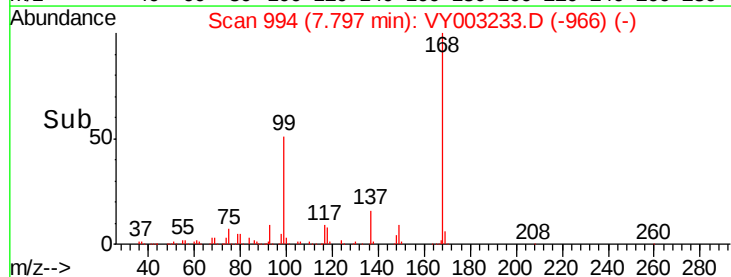
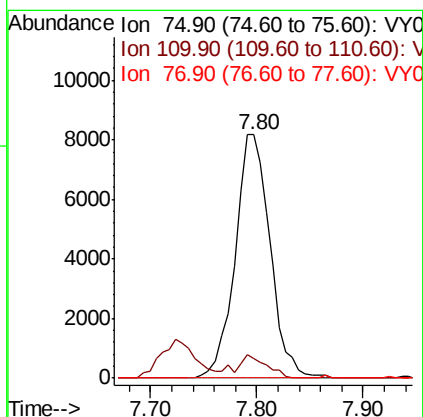
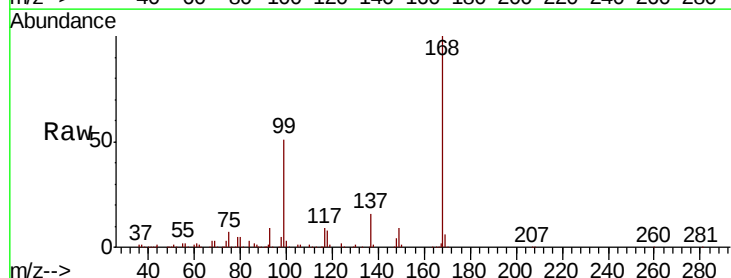
Instrument :
 MSVOA_Y
 ClientSampleId :
 TR-04-071620

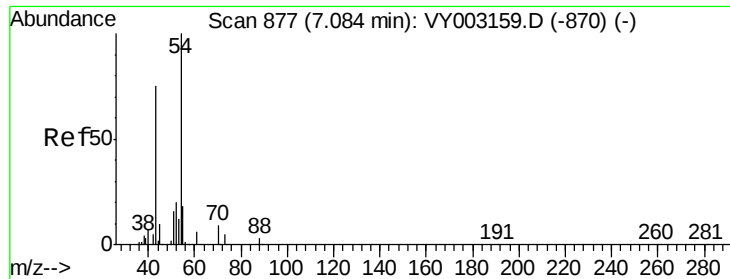
Tot Ion	Ratio	Lower	Upper
113	100		
111	104.9	82.1	123.1
192	23.2	18.8	28.2



#36
 1,1-Dichloropropene
 Concen: 5.113 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.13 min
 Lab File: VY003233.D
 Acq: 20 Jul 2020 15:49

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.2	18.1	54.1#
77	0.0	24.8	37.2#

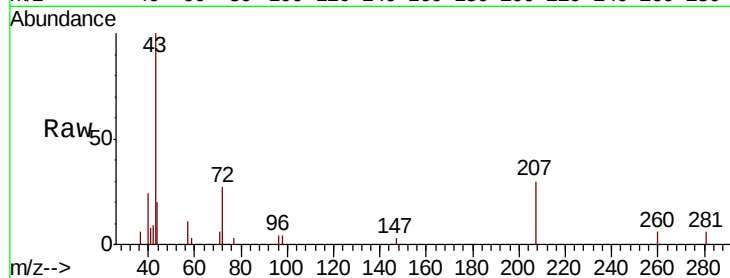




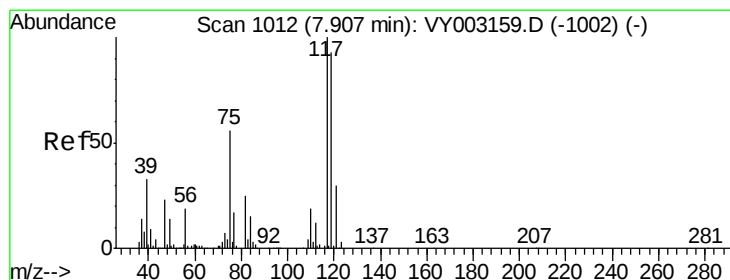
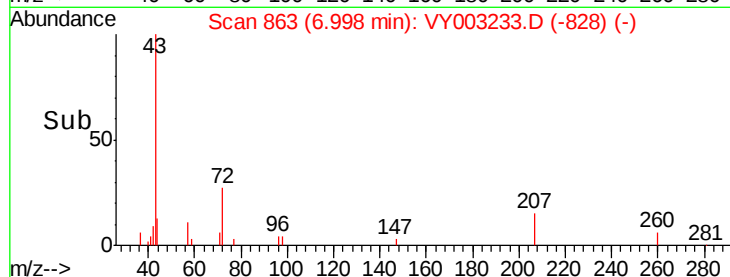
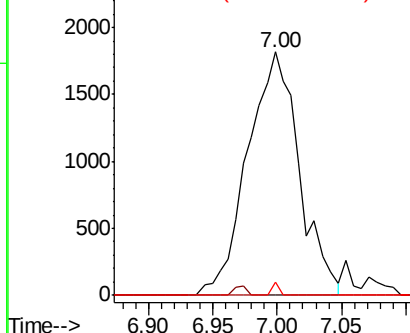
#37
Ethyl Acetate
Concen: 2.548 ug/l
RT: 7.00 min Scan# 863
Delta R.T. -0.09 min
Lab File: VY003233.D
Acq: 20 Jul 2020 15:49

Instrument :
MSVOA_Y
ClientSampleId :
TR-04-071620

Tot Ion: 43 Resp: 5052
Ion Ratio Lower Upper
43 100
61 0.0 11.8 17.6#
70 0.7 8.6 13.0#

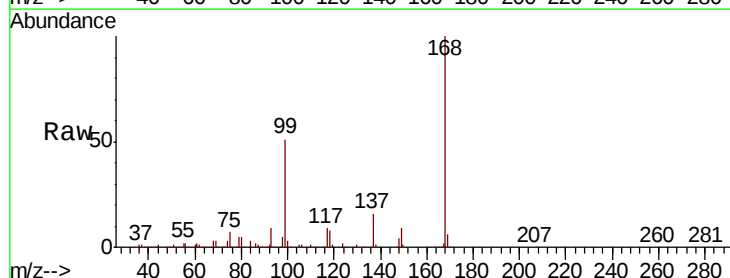


Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 60.90 (60.60 to 61.60): VY0
Ion 70.00 (69.70 to 70.70): VY0

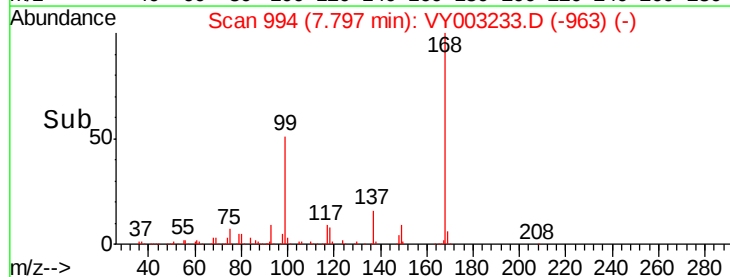
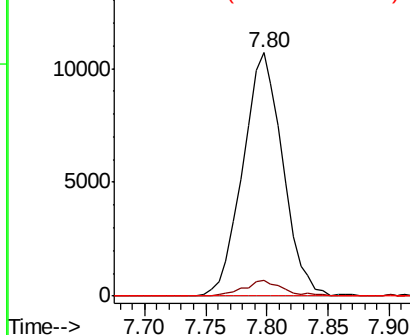


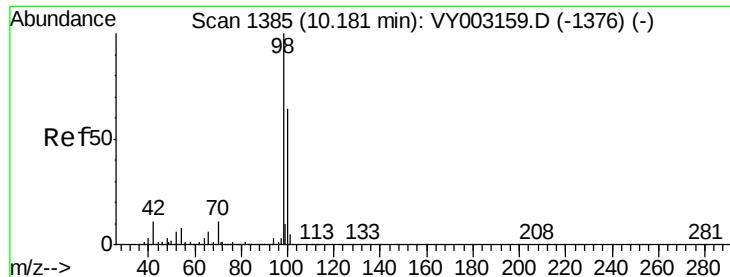
#38
Carbon Tetrachloride
Concen: 6.400 ug/l
RT: 7.80 min Scan# 994
Delta R.T. -0.11 min
Lab File: VY003233.D
Acq: 20 Jul 2020 15:49

Tgt Ion: 117 Resp: 24322
Ion Ratio Lower Upper
117 100
119 6.7 74.5 111.7#
121 0.0 24.2 36.2#



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





#50

Toluene-d8

Concen: 54.996 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VY003233.D

Acq: 20 Jul 2020 15:49

Instrument :

MSVOA_Y

ClientSampleId :

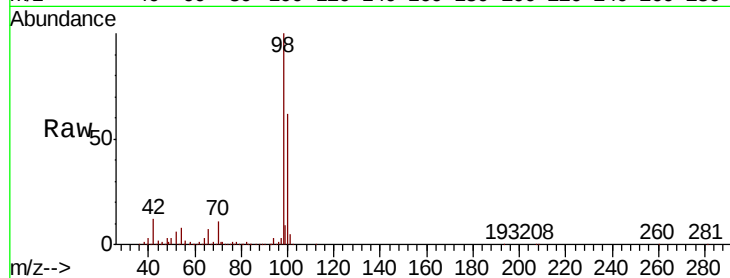
TR-04-071620

Tot Ion: 98 Resp: 477898

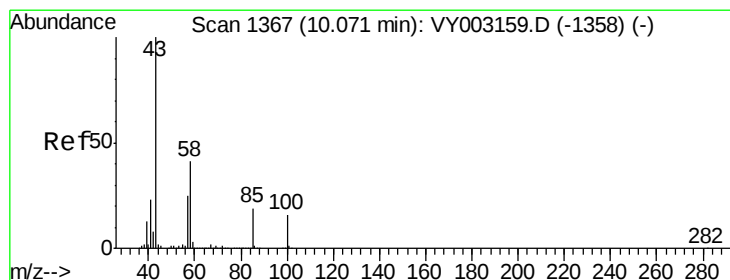
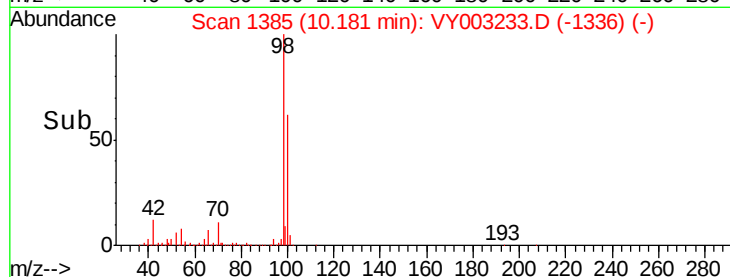
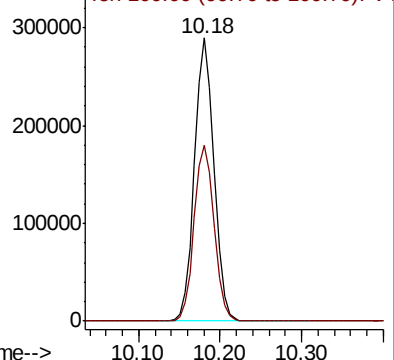
Ion Ratio Lower Upper

98 100

100 63.7 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VY003159.D (-1376) (-)



#51

4-Methyl-2-Pentanone

Concen: 1.021 ug/l

RT: 10.08 min Scan# 1368

Delta R.T. 0.01 min

Lab File: VY003233.D

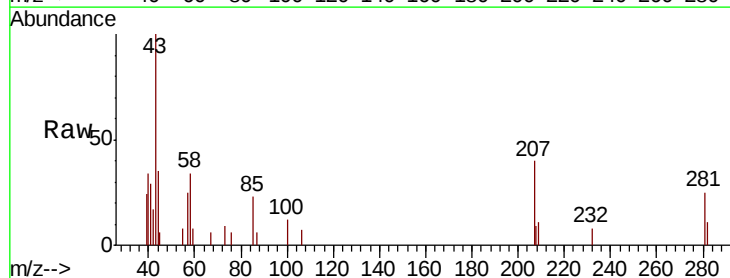
Acq: 20 Jul 2020 15:49

Tgt Ion: 43 Resp: 2037

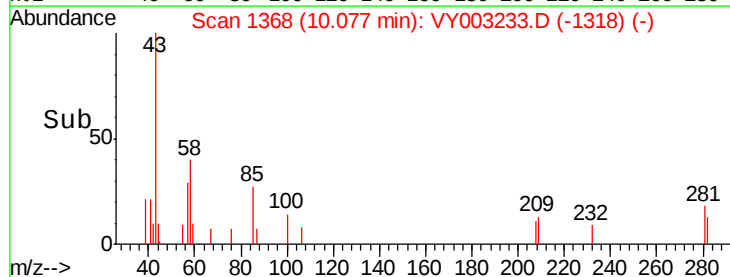
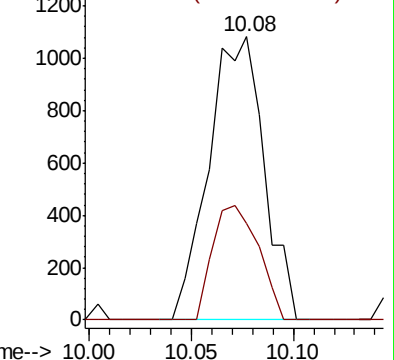
Ion Ratio Lower Upper

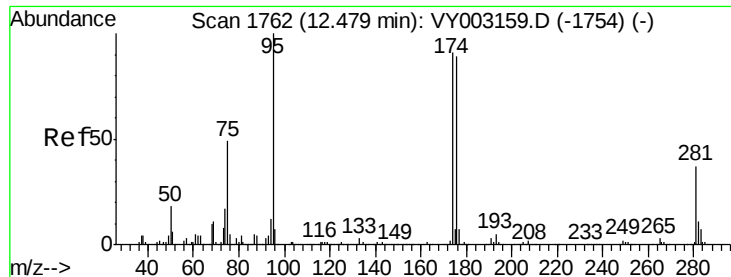
43 100

58 33.5 32.7 49.1



Abundance Ion 43.00 (42.70 to 43.70): VY003159.D (-1358) (-)





#62

4-Bromofluorobenzene

Concen: 44.028 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY003233.D

Acq: 20 Jul 2020 15:49

Instrument :

MSVOA_Y

ClientSampleId :

TR-04-071620

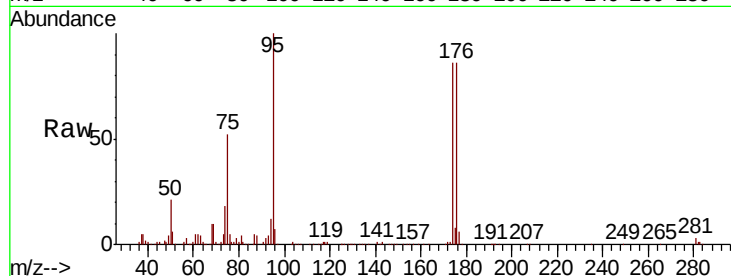
Tot Ion: 95 Resp: 138212

Ion Ratio Lower Upper

95 100

174 92.6 0.0 190.6

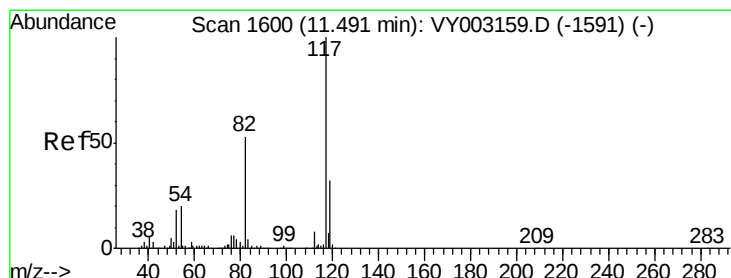
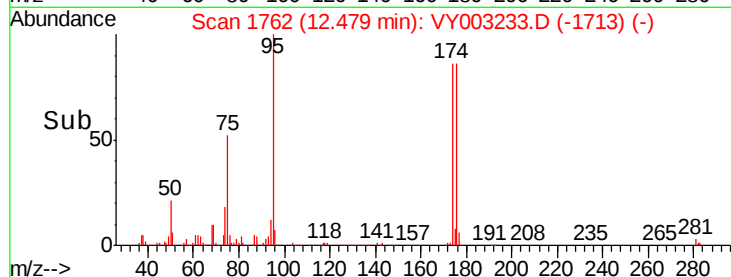
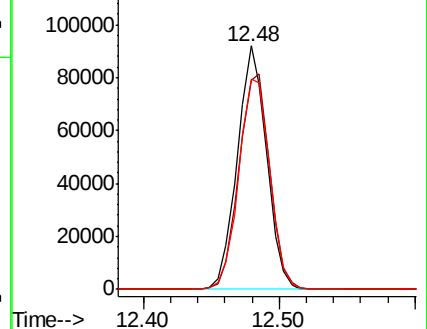
176 91.5 0.0 186.4



Abundance Ion 94.90 (94.60 to 95.60): VY003233.D (-1754) (-)

Ion 173.80 (173.50 to 174.50): VY003233.D (-1754) (-)

Ion 175.80 (175.50 to 176.50): VY003233.D (-1754) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VY003233.D

Acq: 20 Jul 2020 15:49

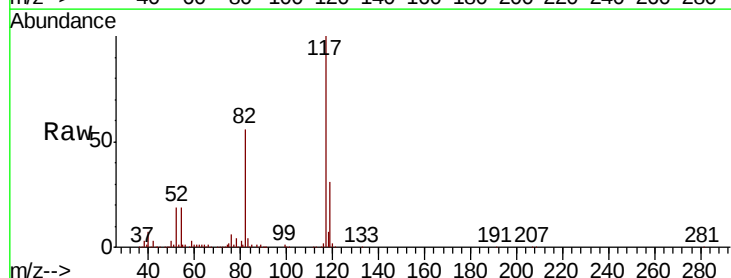
Tgt Ion: 117 Resp: 342834

Ion Ratio Lower Upper

117 100

82 55.8 42.0 63.0

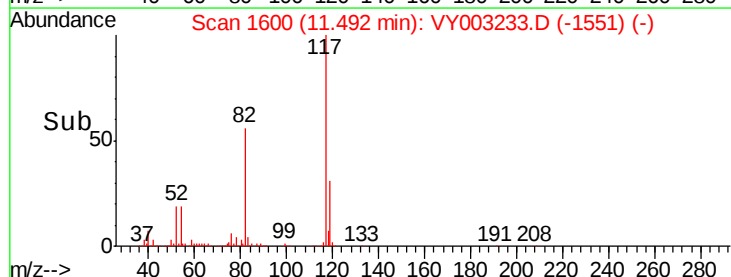
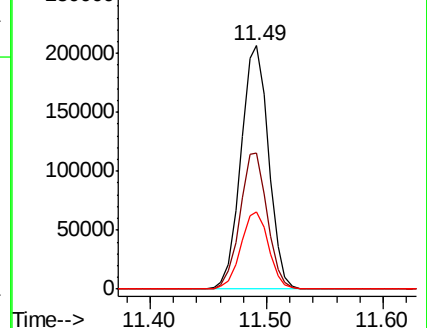
119 31.5 25.5 38.3

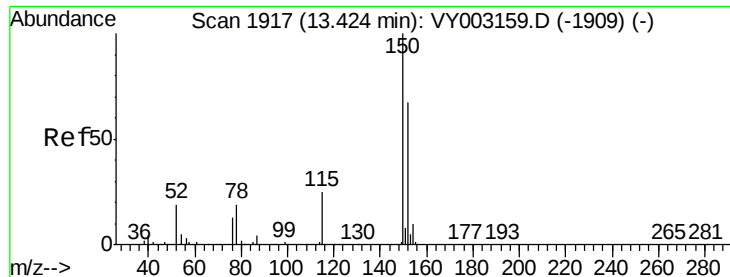


Abundance Ion 116.90 (116.60 to 117.60): VY003233.D (-1591) (-)

Ion 82.00 (81.70 to 82.70): VY003233.D (-1591) (-)

Ion 118.90 (118.60 to 119.60): VY003233.D (-1591) (-)



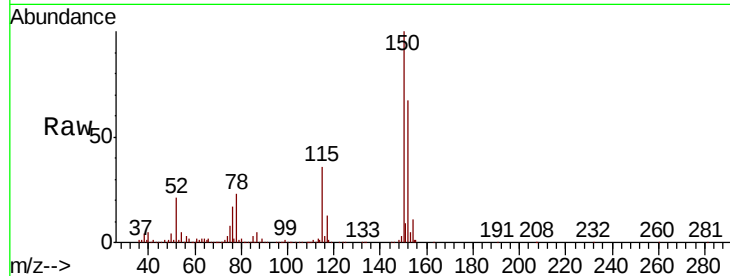


#72

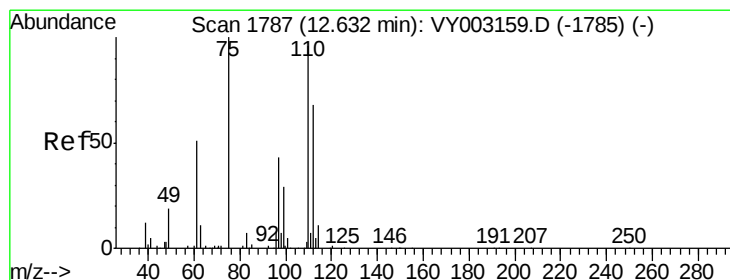
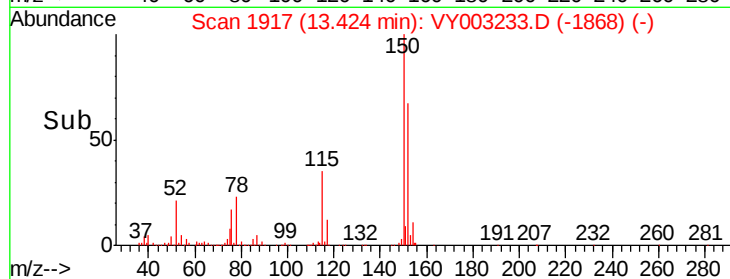
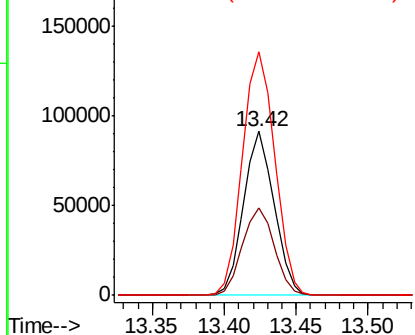
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. 0.00 min
Lab File: VY003233.D
Acq: 20 Jul 2020 15:49

Instrument :
MSVOA_Y
ClientSampleId :
TR-04-071620

Tot Ion	Ratio	Lower	Upper
152	100		
115	55.6	26.9	80.7
150	157.3	0.0	338.0



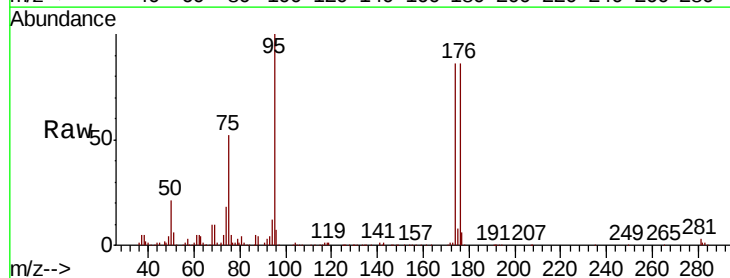
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



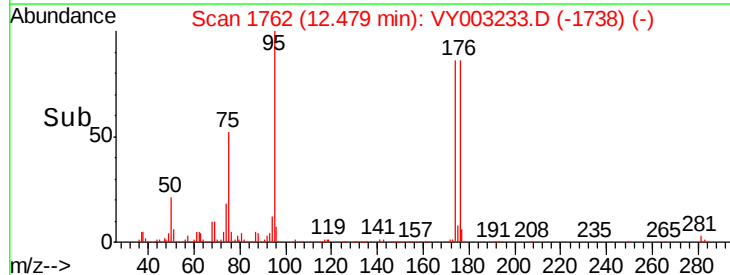
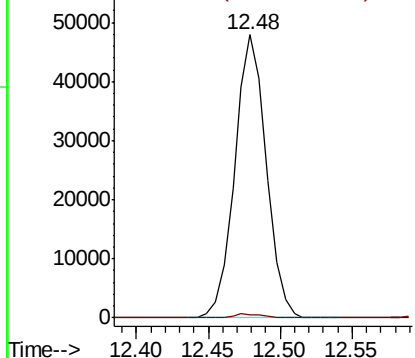
#76

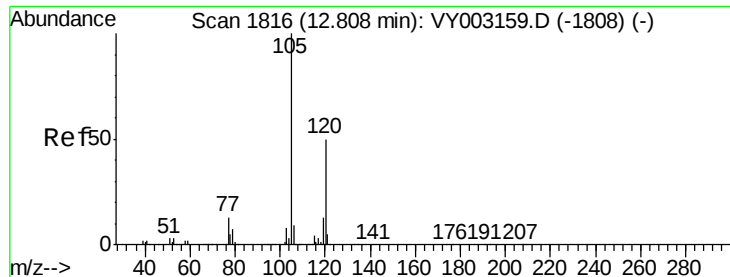
1,2,3-Trichloropropane
Concen: 61.167 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.15 min
Lab File: VY003233.D
Acq: 20 Jul 2020 15:49

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.5	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VY0
Ion 77.00 (76.70 to 77.70): VY0





#80

1,3,5-Trimethylbenzene

Concen: 1.732 ug/l

RT: 12.81 min Scan# 1816

Delta R.T. 0.00 min

Lab File: VY003233.D

Acq: 20 Jul 2020 15:49

Instrument :

MSVOA_Y

ClientSampleId :

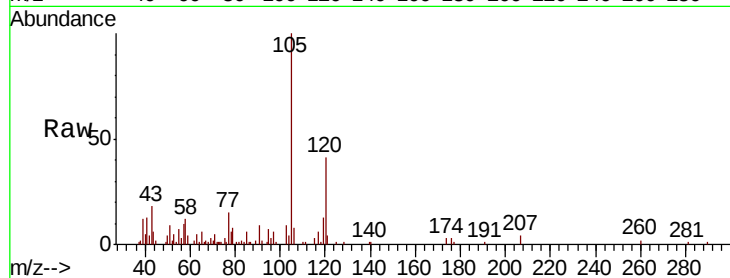
TR-04-071620

Tot Ion:105 Resp: 12368

Ion Ratio Lower Upper

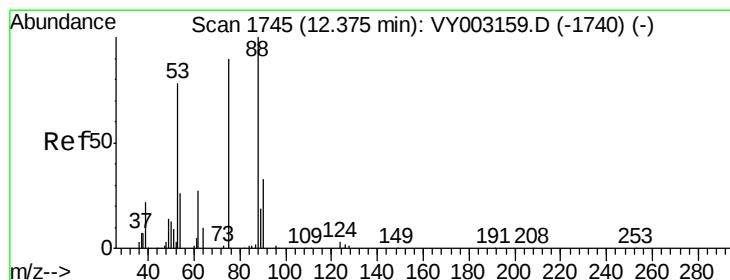
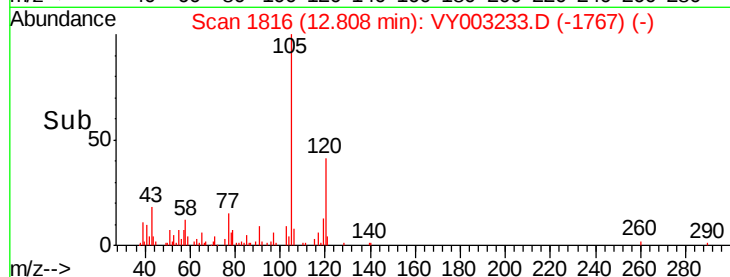
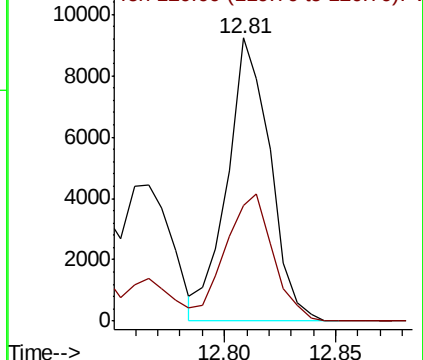
105 100

120 49.9 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 119.044 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY003233.D

Acq: 20 Jul 2020 15:49

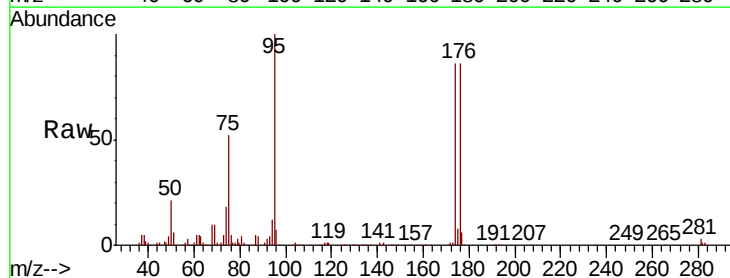
Tgt Ion: 75 Resp: 72806

Ion Ratio Lower Upper

75 100

53 0.0 72.0 108.0#

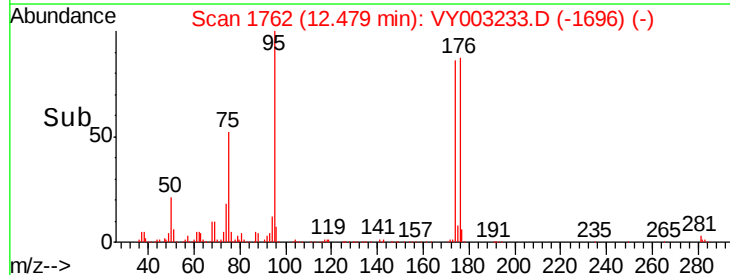
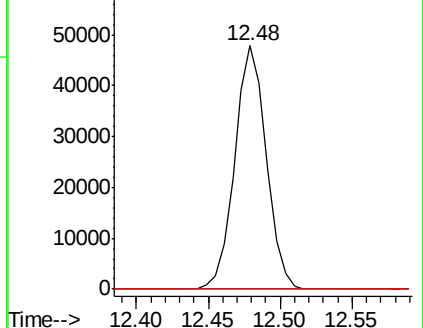
89 0.0 37.3 55.9#

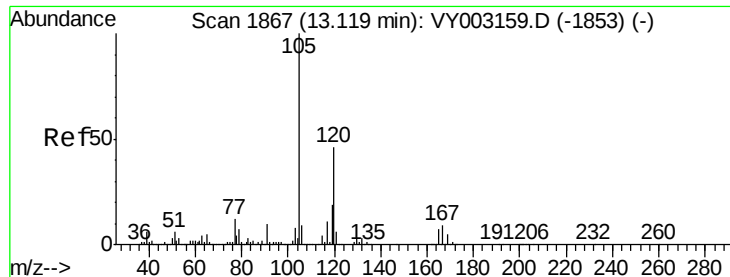


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0





#84

1,2,4-Trimethylbenzene

Concen: 3.919 ug/l

RT: 13.12 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VY003233.D

Acq: 20 Jul 2020 15:49

Instrument :

MSVOA_Y

ClientSampleId :

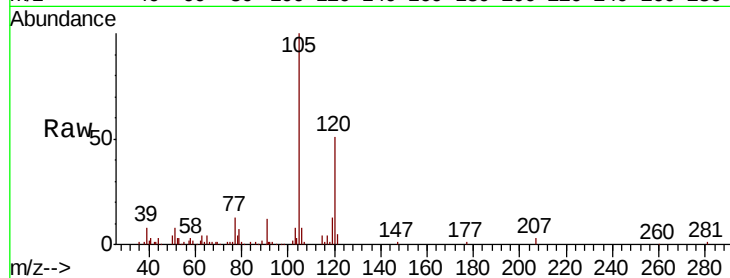
TR-04-071620

Tot Ion:105 Resp: 28161

Ion Ratio Lower Upper

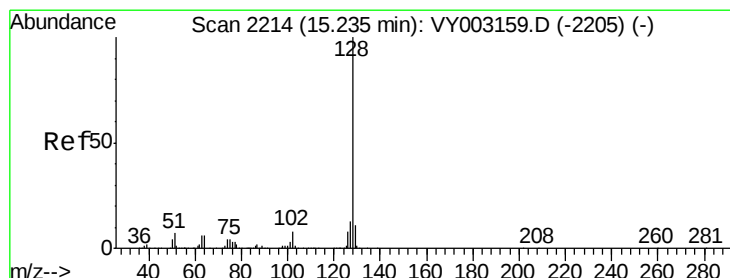
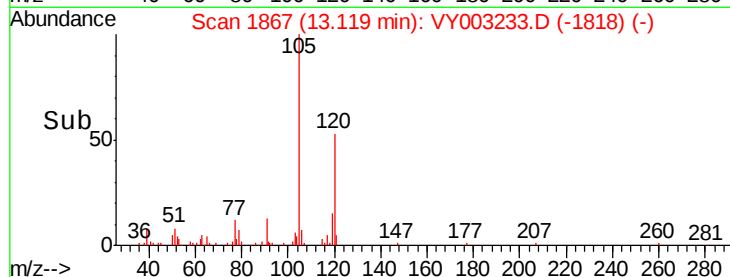
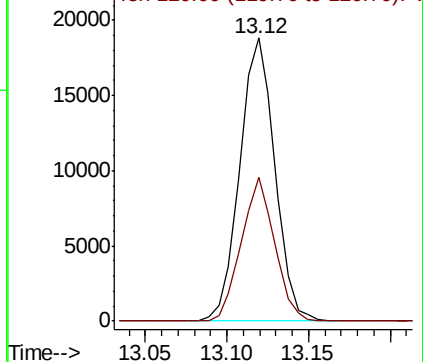
105 100

120 48.3 22.5 67.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#95

Naphthalene

Concen: 1.927 ug/l

RT: 15.23 min Scan# 2214

Delta R.T. 0.00 min

Lab File: VY003233.D

Acq: 20 Jul 2020 15:49

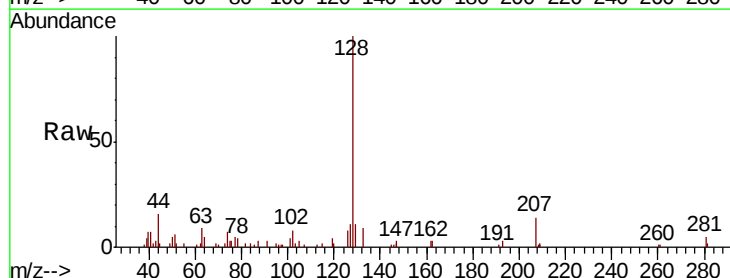
Tgt Ion:128 Resp: 8212

Ion Ratio Lower Upper

128 100

127 14.1 10.9 16.3

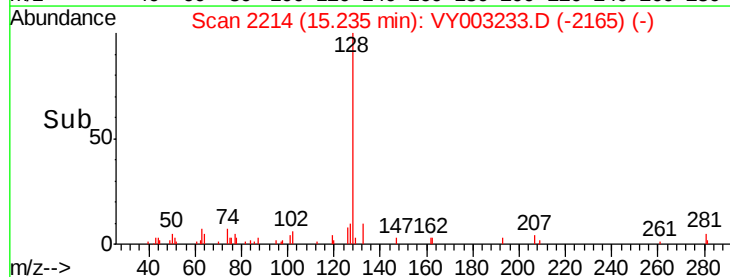
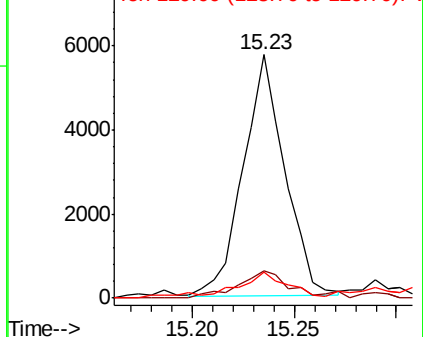
129 14.1 9.0 13.6#

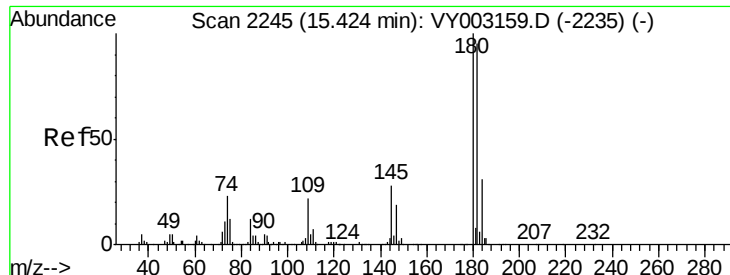


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

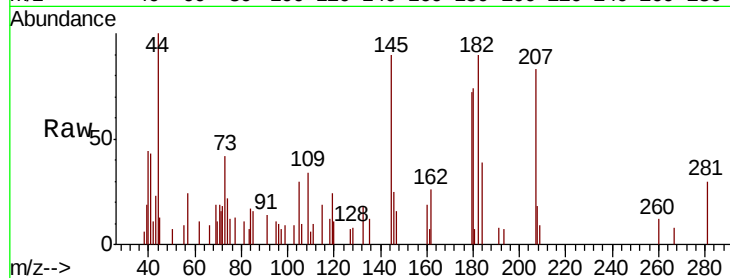




#96
 1,2,3-Trichlorobenzene
 Concen: 1.009 ug/l
 RT: 15.43 min Scan# 2246
 Delta R.T. 0.01 min
 Lab File: VY003233.D
 Acq: 20 Jul 2020 15:49

Instrument :
 MSVOA_Y
 ClientSampleId :
 TR-04-071620

Tot Ion	Ratio	Lower	Upper
180	100		
182	89.1	48.8	146.3
145	61.5	14.9	44.5



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V

