

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY080320\
 Data File : VY003424.D
 Acq On : 03 Aug 2020 18:03
 Operator : SY/MD
 Sample : L3547-01
 Misc : 7.15G/5ML/MSVOA Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CRT-012

Quant Time: Aug 04 01:36:39 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

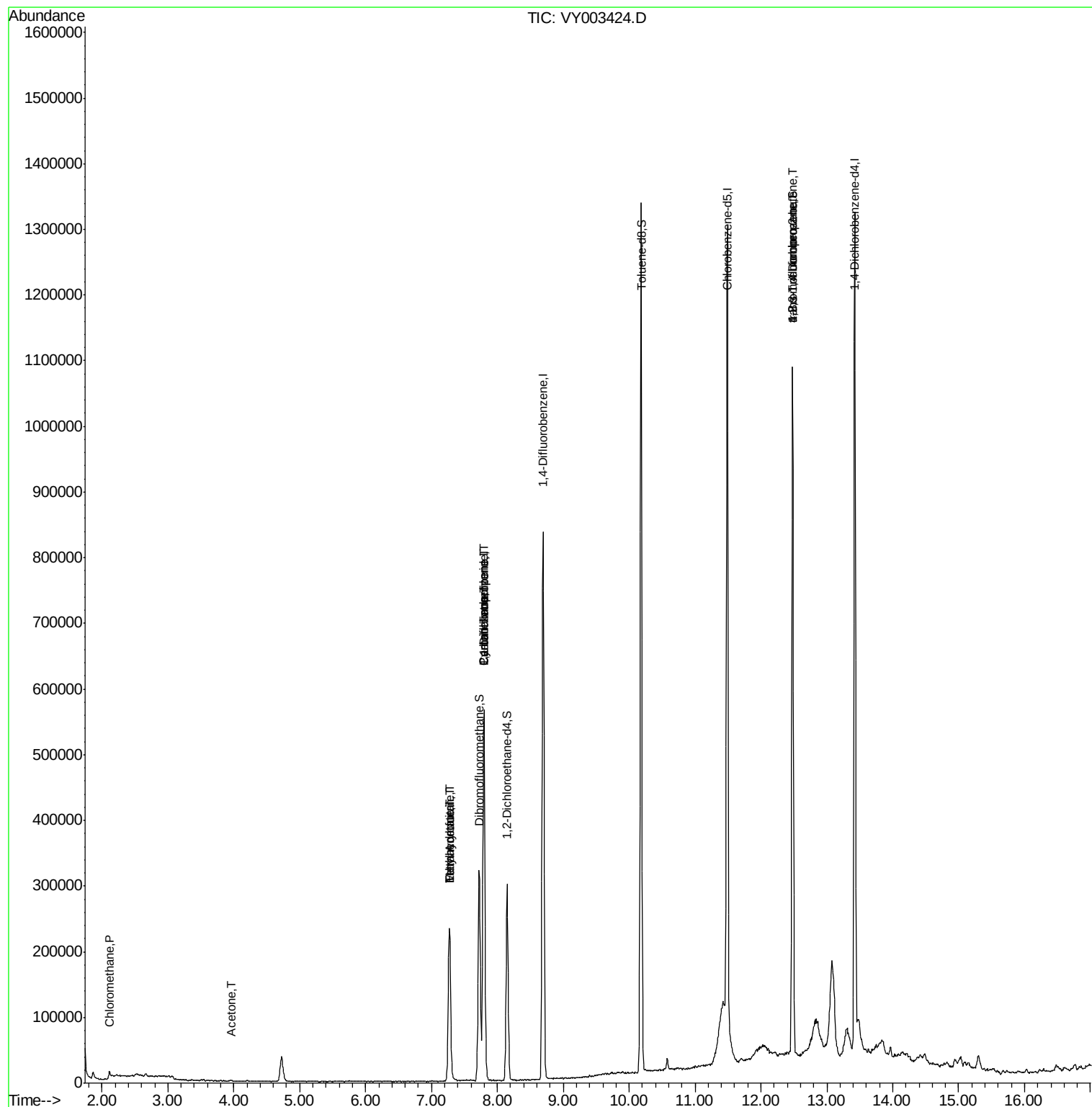
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	463658	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	718240	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	676984	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	327569	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.14	65	232617	52.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.54%	
35) Dibromofluoromethane	7.72	113	229789	54.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.62%	
50) Toluene-d8	10.18	98	888682	53.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.28%	
62) 4-Bromofluorobenzene	12.48	95	297740	52.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.20%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.11	50	6817	1.311	ug/l	98
11) Tert butyl alcohol	4.96	59	611	Below Cal	#	93
16) Acetone	3.95	43	1656	1.520	ug/l	97
20) Methylene Chloride	4.72	84	28597	Below Cal		93
29) Tetrahydrofuran	7.27	42	27640	25.522	ug/l #	34
31) Cyclohexane	7.79	56	8153	1.043	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	32854	4.834	ug/l #	50
37) Ethyl Acetate	7.27	43	234489	60.674	ug/l #	69
38) Carbon Tetrachloride	7.80	117	41944	5.997	ug/l #	17
41) Methacrylonitrile	7.27	41	122961	55.498	ug/l #	41
76) 1,2,3-Trichloropropane	12.48	75	150464	51.131	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	150464	96.701	ug/l #	15

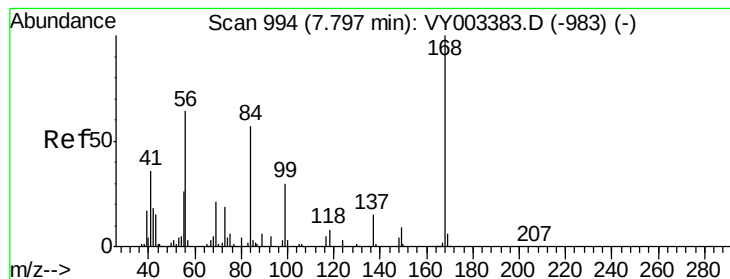
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY003424.D

Acq: 03 Aug 2020 18:03

Instrument :

MSVOA_Y

ClientSampleId :

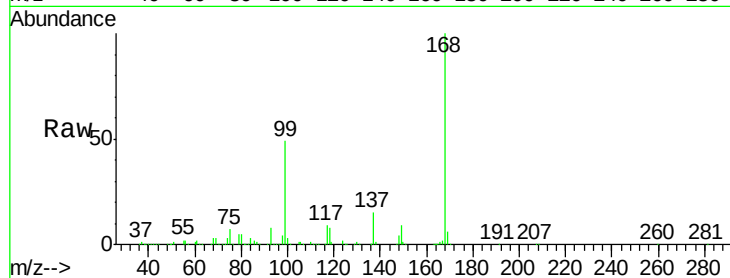
CRT-012

Tot Ion:168 Resp: 463658

Ion Ratio Lower Upper

168 100

99 48.9 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

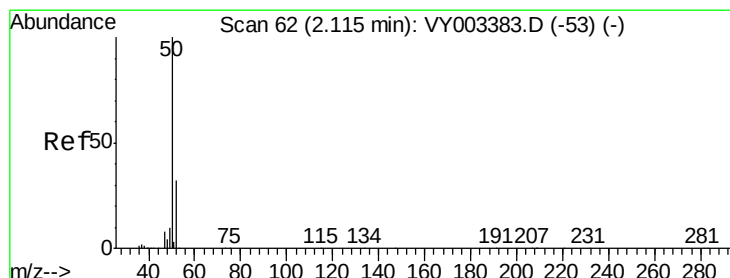
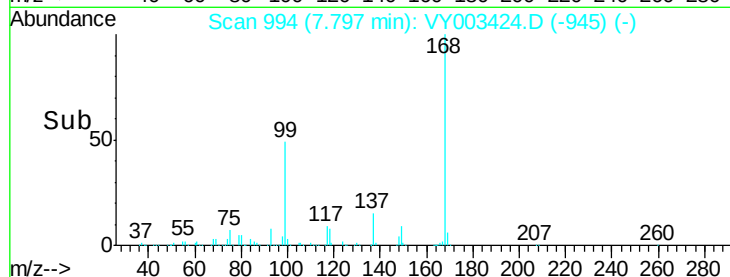
100000

50000

0

7.70 7.80 7.90

Time-->



#3

Chloromethane

Concen: 1.311 ug/l

RT: 2.11 min Scan# 61

Delta R.T. -0.01 min

Lab File: VY003424.D

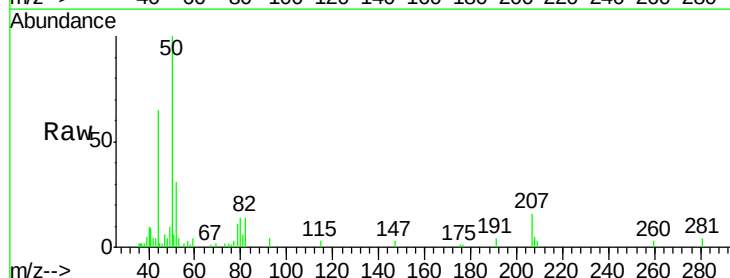
Acq: 03 Aug 2020 18:03

Tgt Ion: 50 Resp: 6817

Ion Ratio Lower Upper

50 100

52 31.3 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

5000

4000

3000

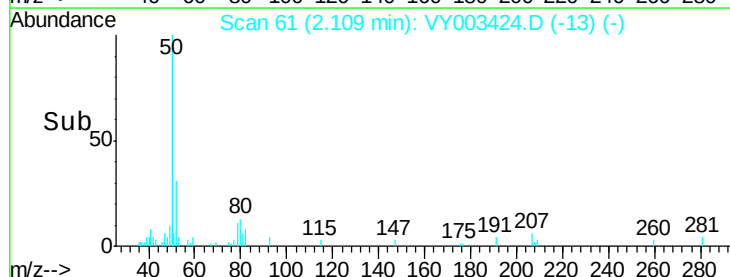
2000

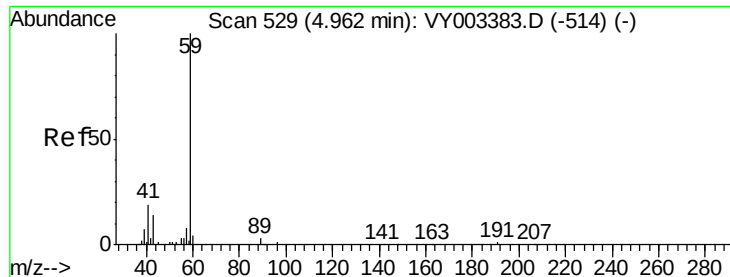
1000

0

2.05 2.10 2.15 2.20

Time-->

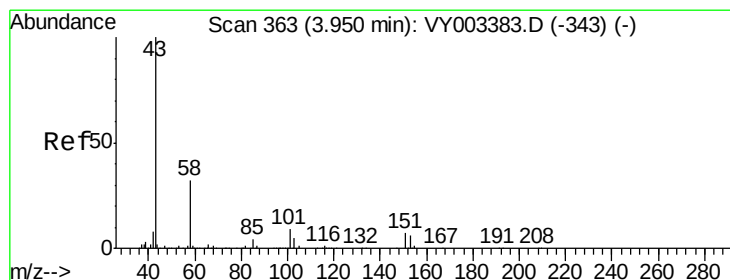
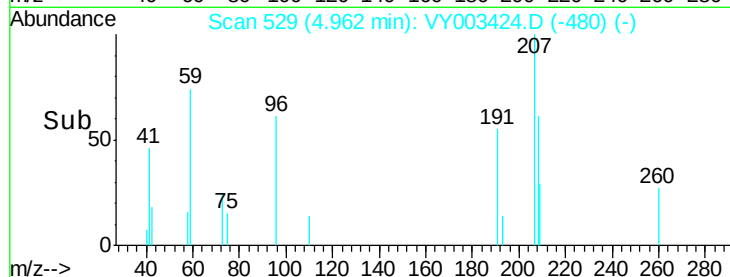
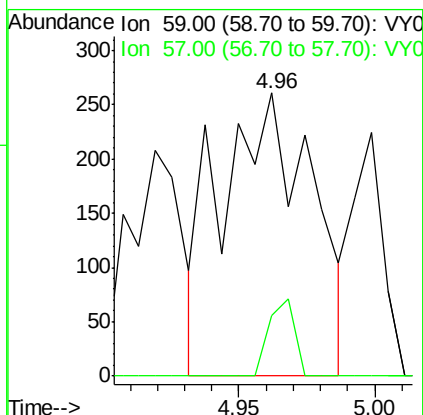
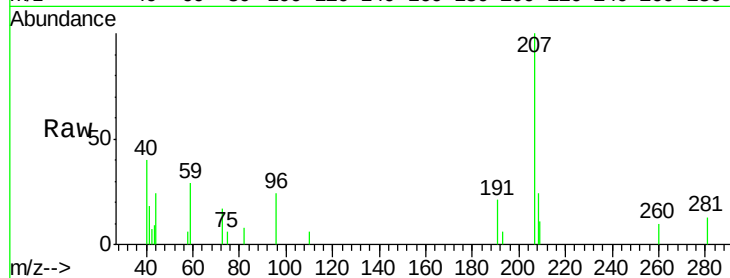




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.96 min Scan# 529
Delta R.T. 0.00 min
Lab File: VY003424.D
Acq: 03 Aug 2020 18:03

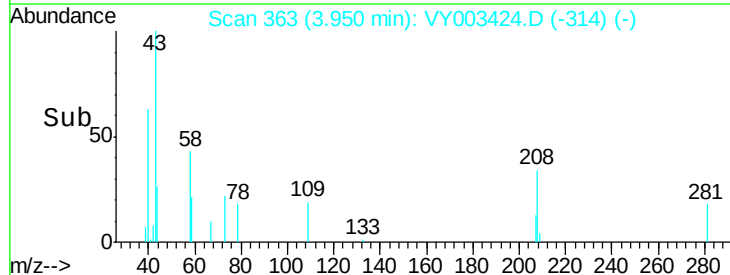
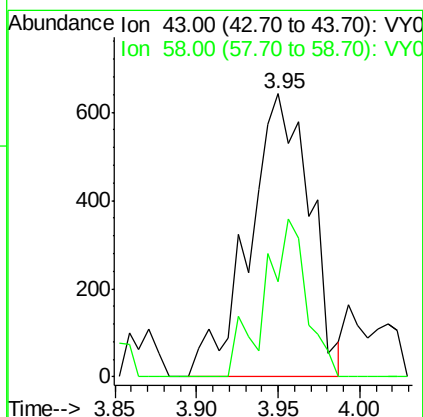
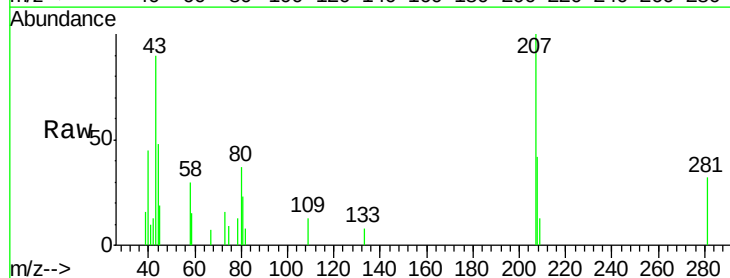
Instrument :
MSVOA_Y
ClientSampled :
CRT-012

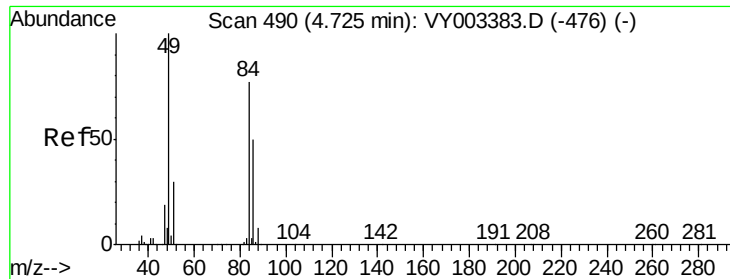
Tot Ion: 59 Resp: 611
Ion Ratio Lower Upper
59 100
57 7.5 8.0 12.0#



#16
Acetone
Concen: 1.520 ug/l
RT: 3.95 min Scan# 363
Delta R.T. -0.00 min
Lab File: VY003424.D
Acq: 03 Aug 2020 18:03

Tgt Ion: 43 Resp: 1656
Ion Ratio Lower Upper
43 100
58 33.5 25.4 38.2

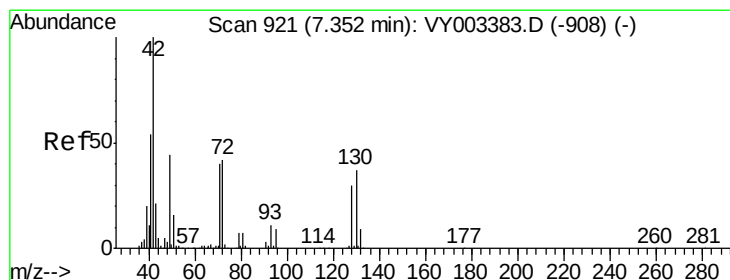
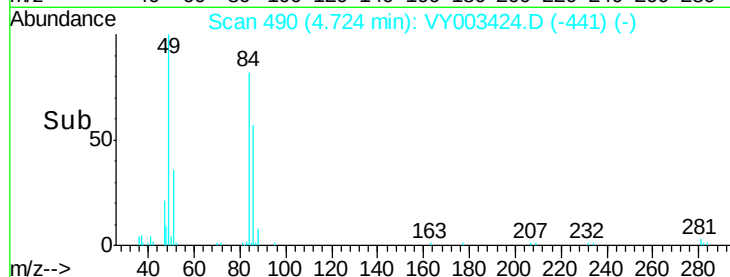
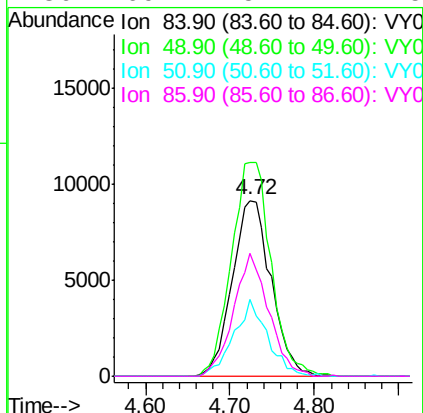
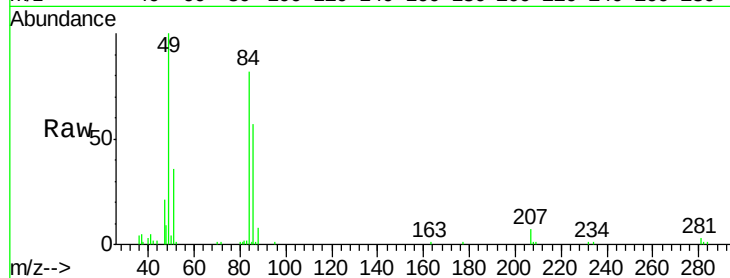




#20
Methylene Chloride
Concen: Below Cal
RT: 4.72 min Scan# 490
Delta R.T. 0.00 min
Lab File: VY003424.D
Acq: 03 Aug 2020 18:03

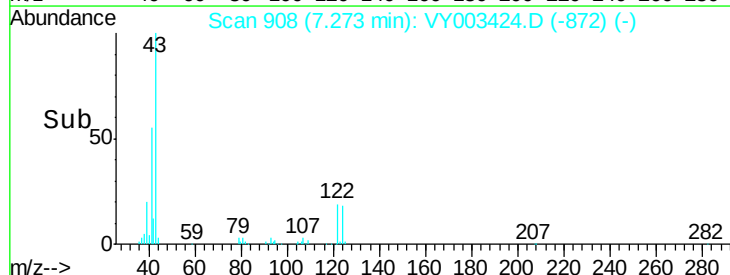
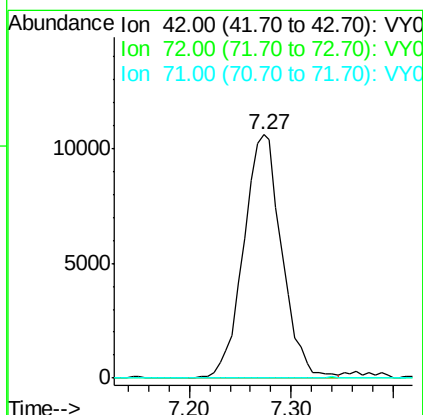
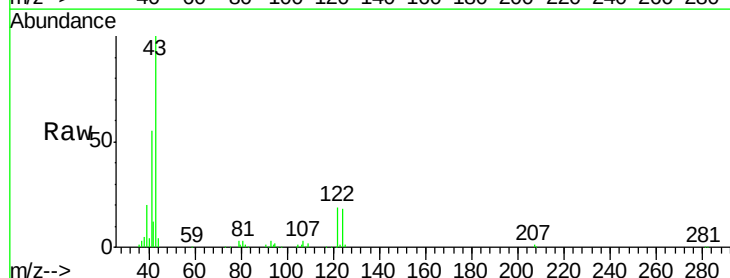
Instrument :
MSVOA_Y
ClientSampleId :
CRT-012

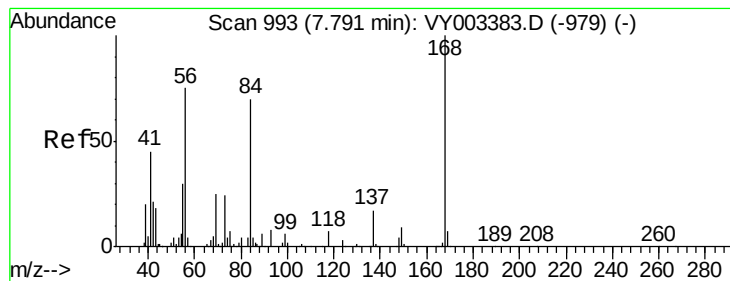
Tot Ion:	84	Resp:	28597
Ion	Ratio	Lower	Upper
84	100		
49	121.4	104.2	156.4
51	43.7	31.5	47.3
86	69.7	51.7	77.5



#29
Tetrahydrofuran
Concen: 25.522 ug/l
RT: 7.27 min Scan# 908
Delta R.T. -0.08 min
Lab File: VY003424.D
Acq: 03 Aug 2020 18:03

Tgt Ion:	42	Resp:	27640
Ion	Ratio	Lower	Upper
42	100		
72	0.0	33.5	50.3#
71	0.0	32.1	48.1#





#31

Cyclohexane

Concen: 1.043 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.00 min

Lab File: VY003424.D

Acq: 03 Aug 2020 18:03

Instrument :

MSVOA_Y

ClientSampled :

CRT-012

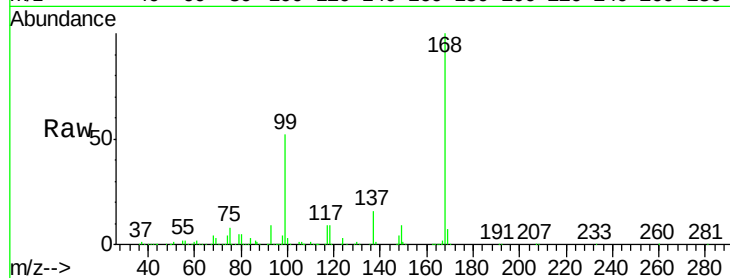
Tot Ion: 56 Resp: 8153

Ion Ratio Lower Upper

56 100

69 154.3 26.1 39.1#

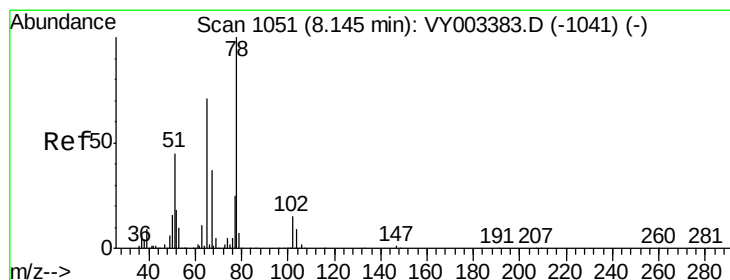
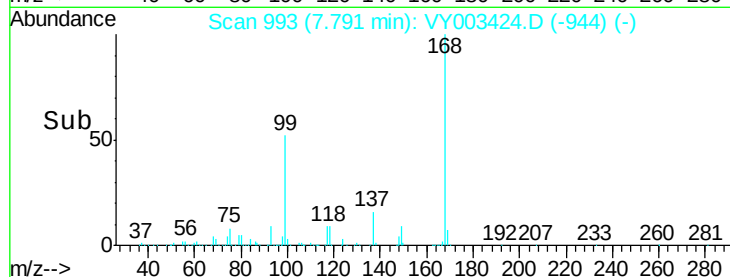
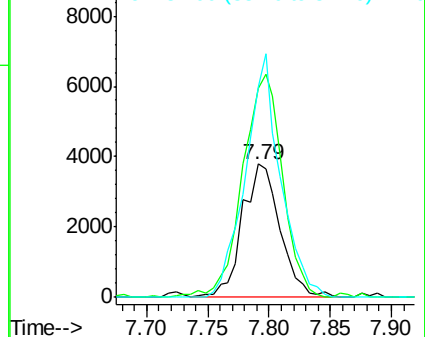
84 158.4 73.9 110.9#



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: 52.765 ug/l

RT: 8.14 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VY003424.D

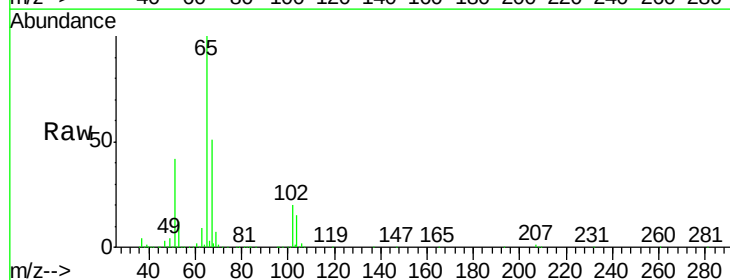
Acq: 03 Aug 2020 18:03

Tgt Ion: 65 Resp: 232617

Ion Ratio Lower Upper

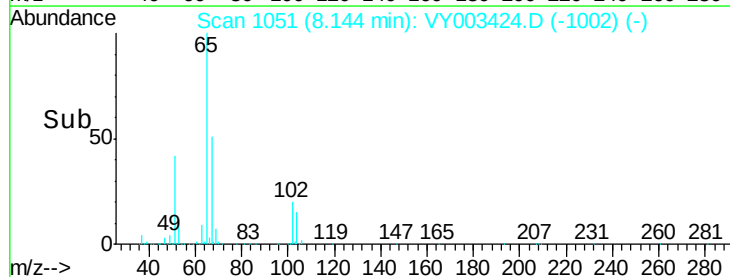
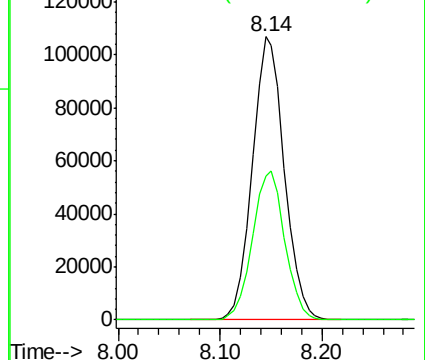
65 100

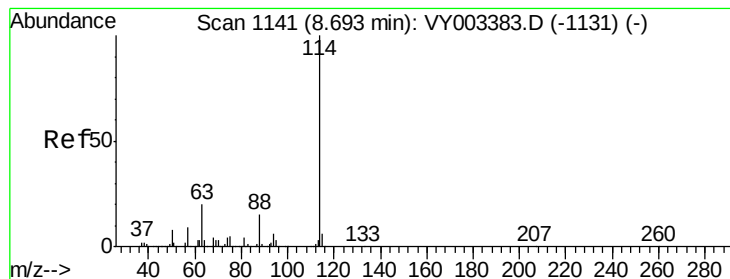
67 53.2 0.0 106.6



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. -0.00 min

Lab File: VY003424.D

Acq: 03 Aug 2020 18:03

Instrument :

MSVOA_Y

ClientSampleId :

CRT-012

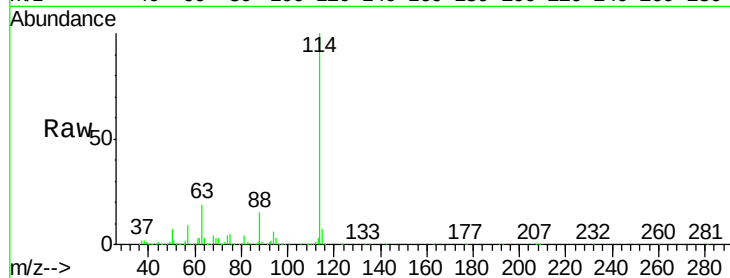
Tot Ion:114 Resp: 718240

Ion Ratio Lower Upper

114 100

63 19.2 0.0 40.6

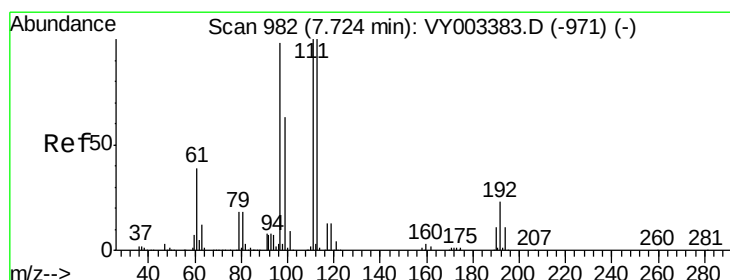
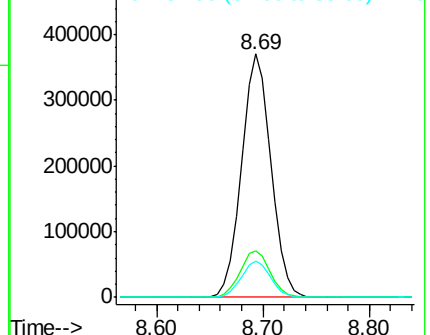
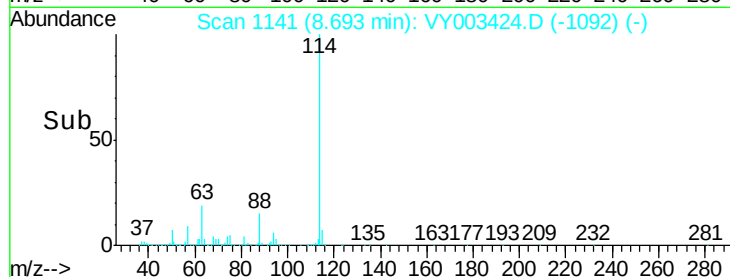
88 15.0 0.0 29.2



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: 54.312 ug/l

RT: 7.72 min Scan# 982

Delta R.T. -0.00 min

Lab File: VY003424.D

Acq: 03 Aug 2020 18:03

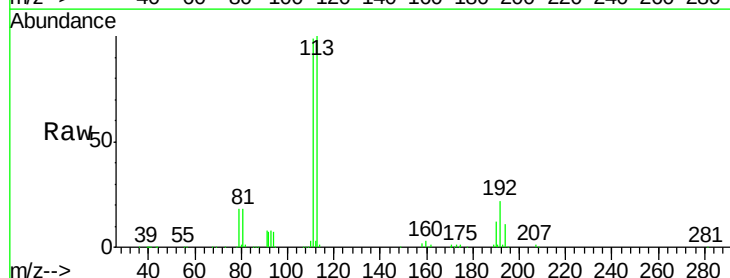
Tgt Ion:113 Resp: 229789

Ion Ratio Lower Upper

113 100

111 101.4 83.0 124.4

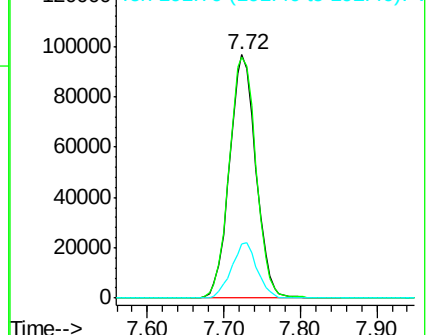
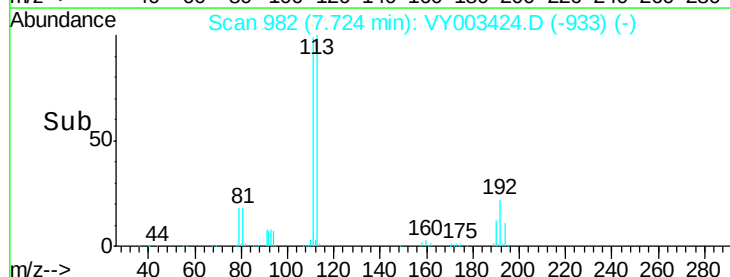
192 22.2 18.8 28.2

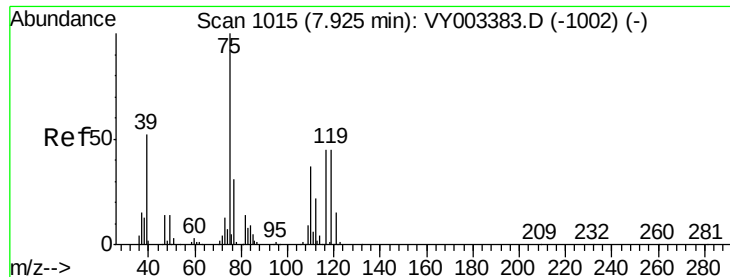


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

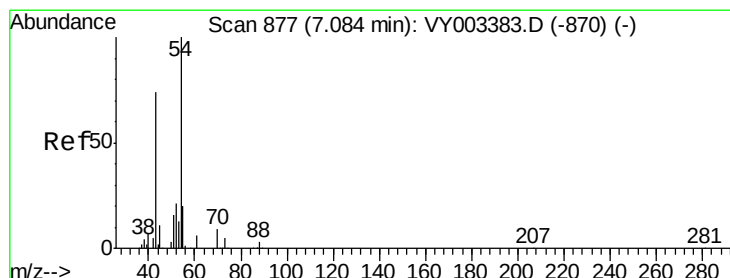
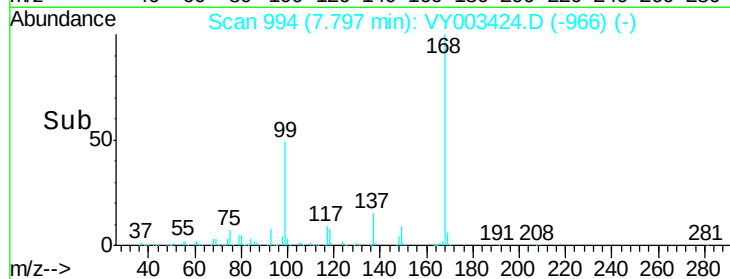
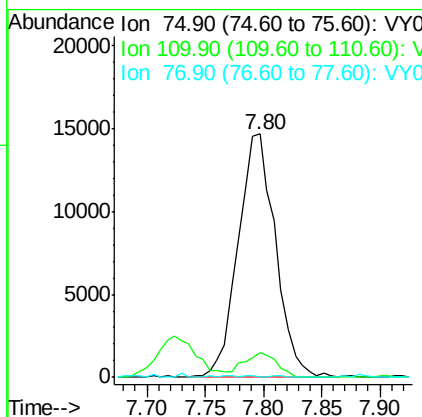
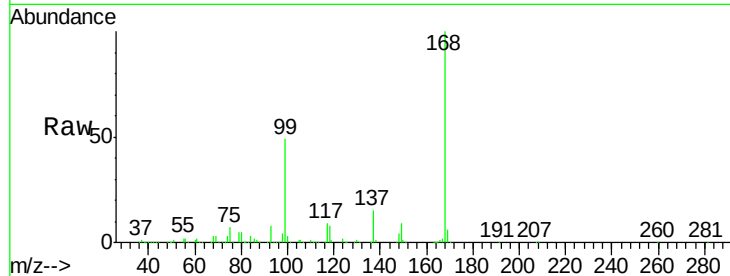




#36
 1,1-Dichloropropene
 Concen: 4.834 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.13 min
 Lab File: VY003424.D
 Acq: 03 Aug 2020 18:03

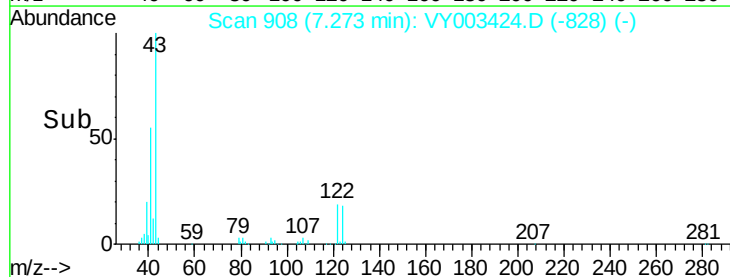
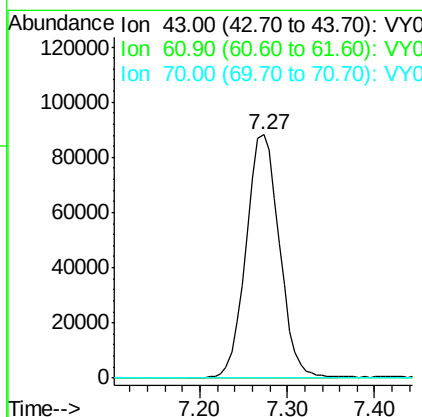
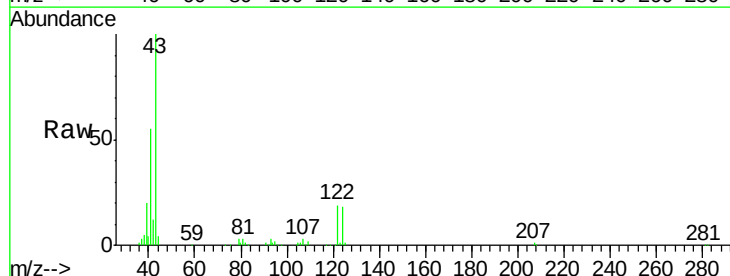
Instrument :
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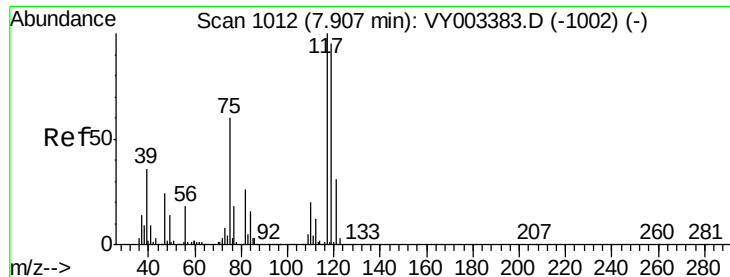
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.3	17.8	53.5#
77	0.2	24.6	36.8#



#37
 Ethyl Acetate
 Concen: 60.674 ug/l
 RT: 7.27 min Scan# 908
 Delta R.T. 0.19 min
 Lab File: VY003424.D
 Acq: 03 Aug 2020 18:03

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.2	16.8#
70	0.0	7.7	11.5#

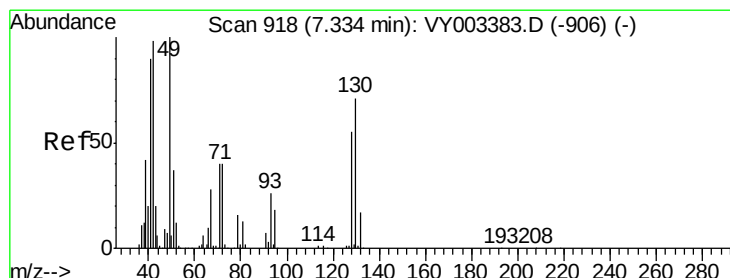
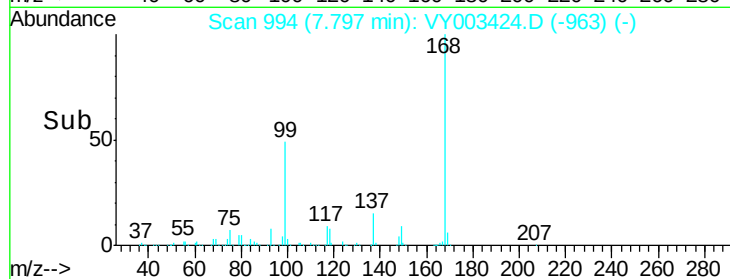
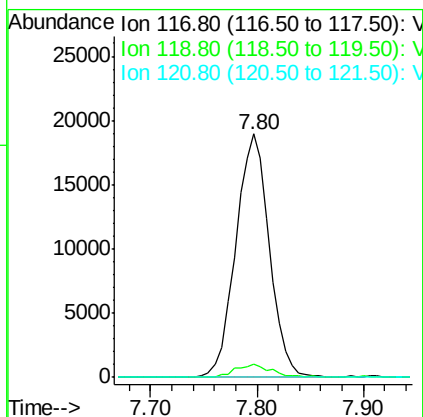
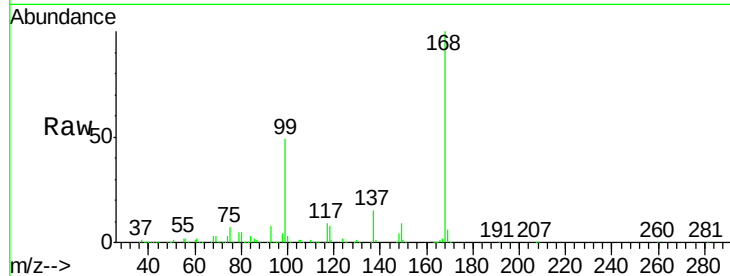




#38
Carbon Tetrachloride
Concen: 5.997 ug/l
RT: 7.80 min Scan# 994
Delta R.T. -0.11 min
Lab File: VY003424.D
Acq: 03 Aug 2020 18:03

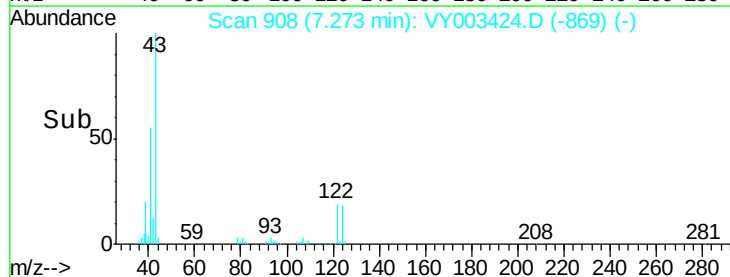
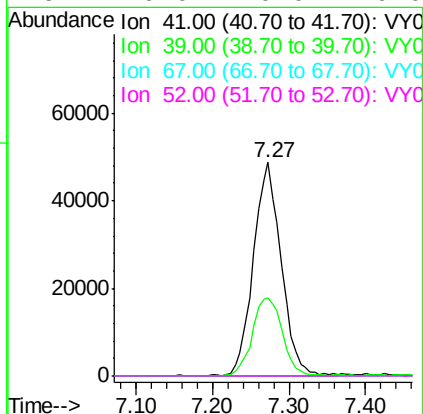
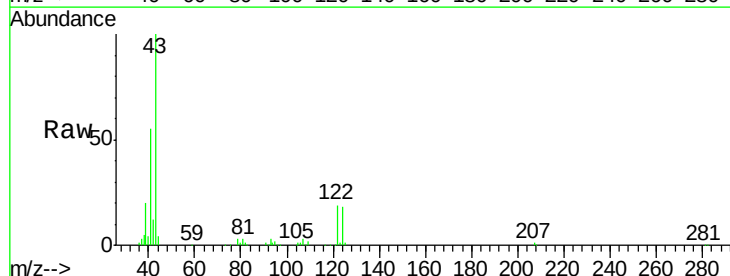
Instrument :
MSVOA_Y
ClientSampleId :
CRT-012

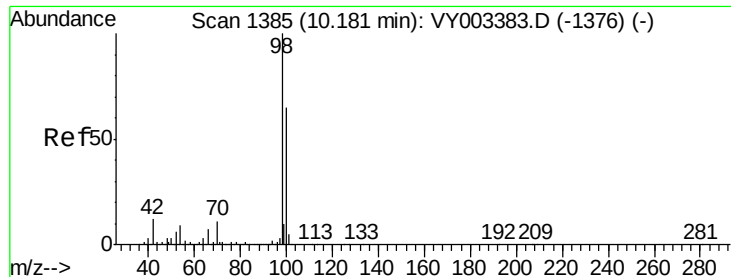
Tot Ion:117 Resp: 41944
Ion Ratio Lower Upper
117 100
119 5.5 76.1 114.1#
121 0.0 24.5 36.7#



#41
Methacrylonitrile
Concen: 55.498 ug/l
RT: 7.27 min Scan# 908
Delta R.T. -0.06 min
Lab File: VY003424.D
Acq: 03 Aug 2020 18:03

Tgt Ion: 41 Resp: 122961
Ion Ratio Lower Upper
41 100
39 39.9 78.3 117.5#
67 0.0 0.0 0.0
52 0.0 0.0 0.0

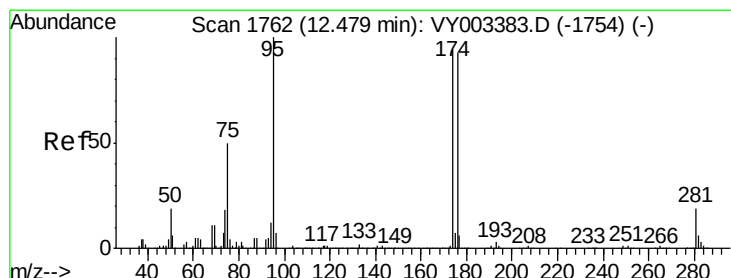
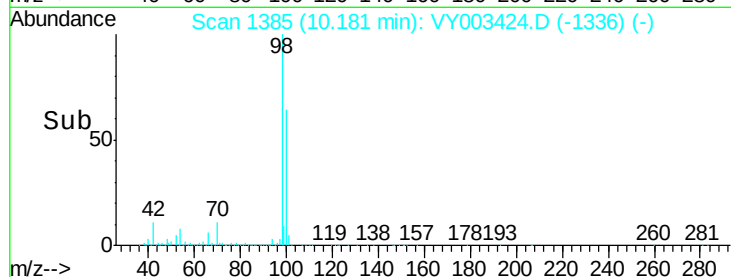
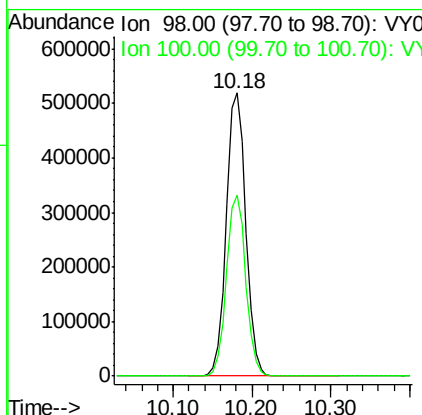
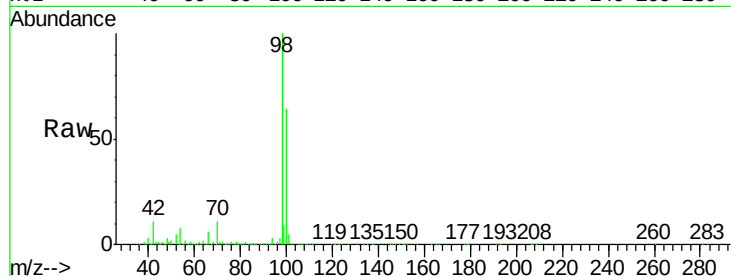




#50
Toluene-d8
Concen: 53.641 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VY003424.D
Acq: 03 Aug 2020 18:03

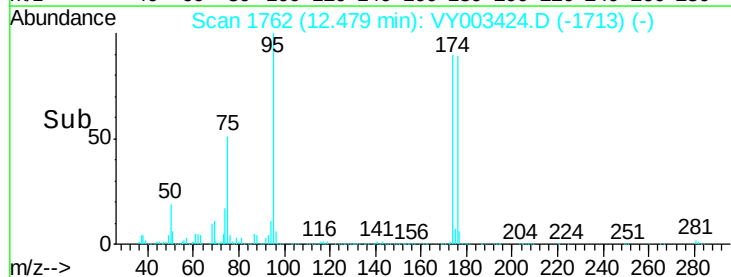
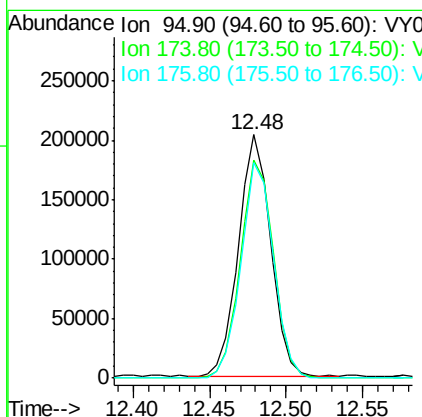
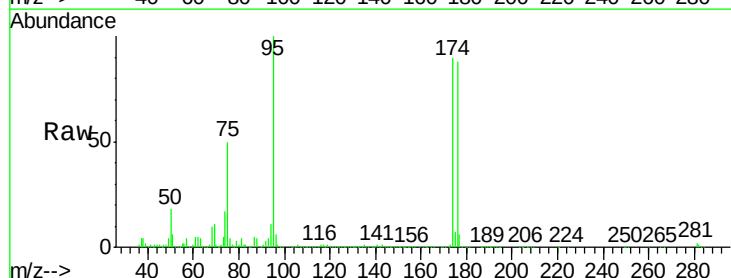
Instrument :
MSVOA_Y
ClientSampleId :
CRT-012

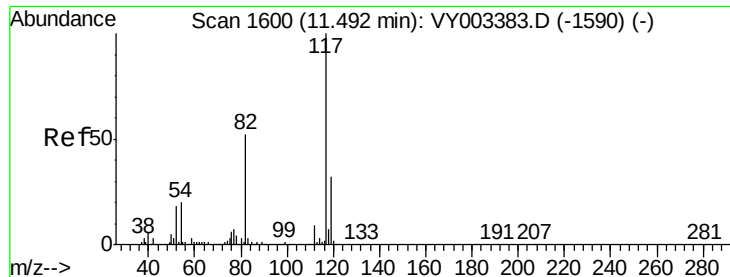
Tot Ion: 98 Resp: 888682
Ion Ratio Lower Upper
98 100
100 63.3 51.3 76.9



#62
4-Bromofluorobenzene
Concen: 52.598 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.00 min
Lab File: VY003424.D
Acq: 03 Aug 2020 18:03

Tgt Ion: 95 Resp: 297740
Ion Ratio Lower Upper
95 100
174 92.5 0.0 190.0
176 89.9 0.0 184.4

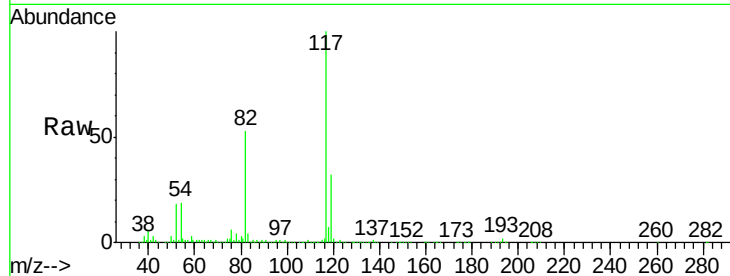




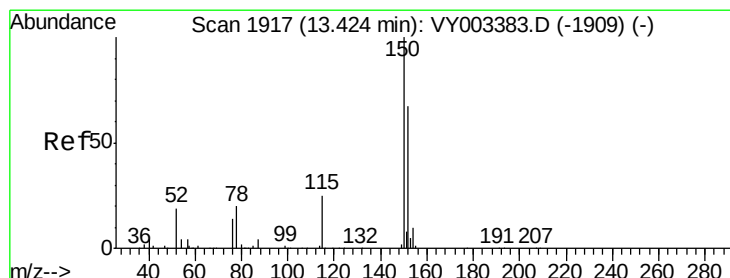
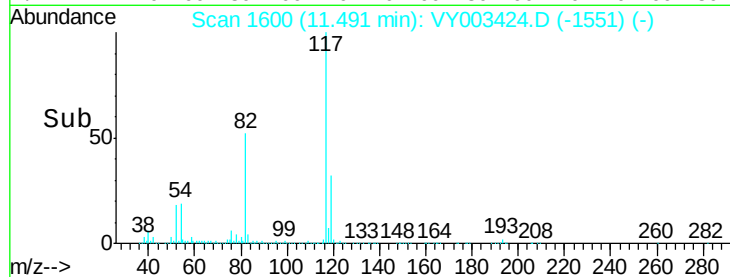
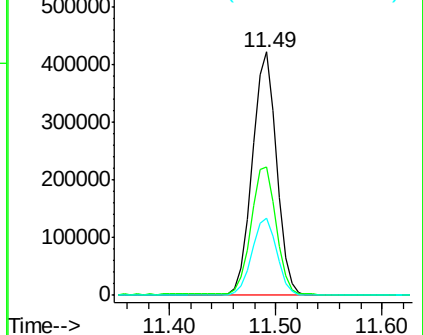
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY003424.D
Acq: 03 Aug 2020 18:03

Instrument :
MSVOA_Y
ClientSampled :
CRT-012

Tot Ion:117 Resp: 676984
Ion Ratio Lower Upper
117 100
82 52.2 41.9 62.9
119 31.7 25.4 38.0

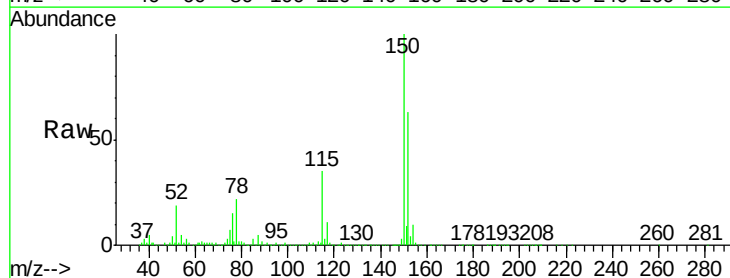


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

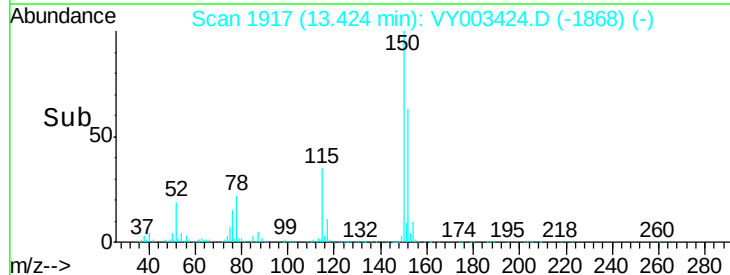
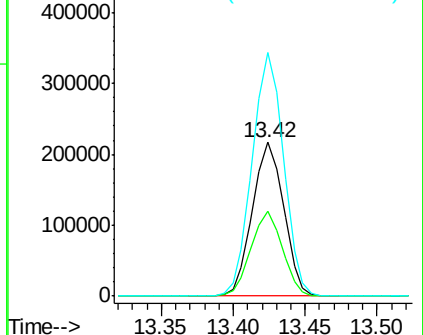


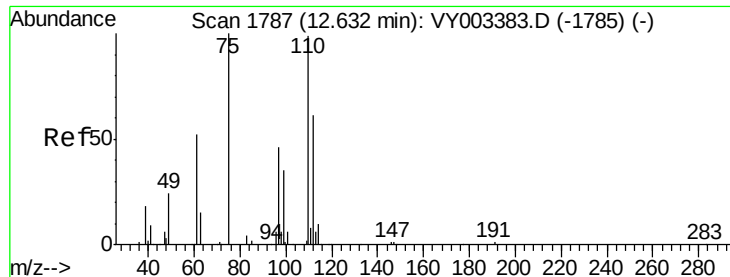
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY003424.D
Acq: 03 Aug 2020 18:03

Tgt Ion:152 Resp: 327569
Ion Ratio Lower Upper
152 100
115 55.0 27.2 81.5
150 158.4 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: 51.131 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY003424.D

Acq: 03 Aug 2020 18:03

Instrument :

MSVOA_Y

ClientSampleId :

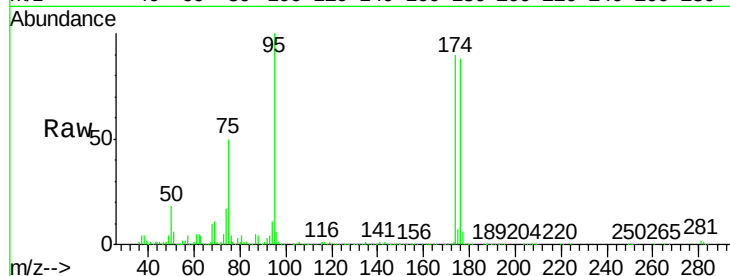
CRT-012

Tot Ion: 75 Resp: 150464

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

120000

100000

80000

60000

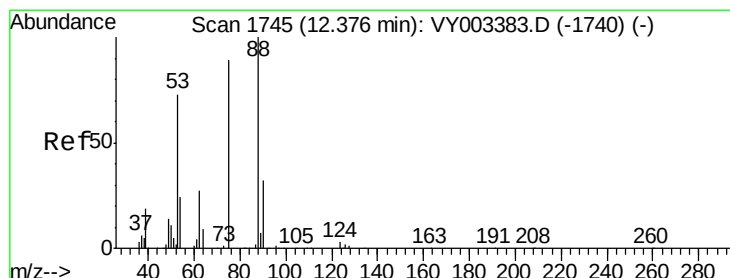
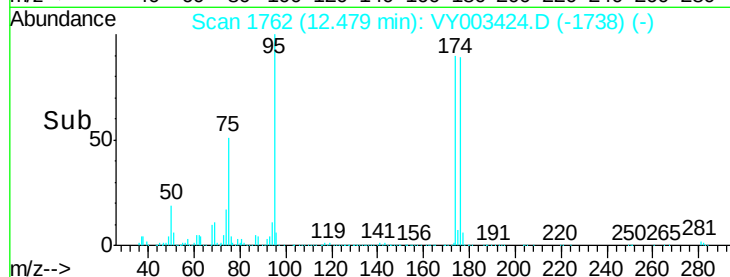
40000

20000

0

12.40 12.45 12.50 12.55

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 96.701 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY003424.D

Acq: 03 Aug 2020 18:03

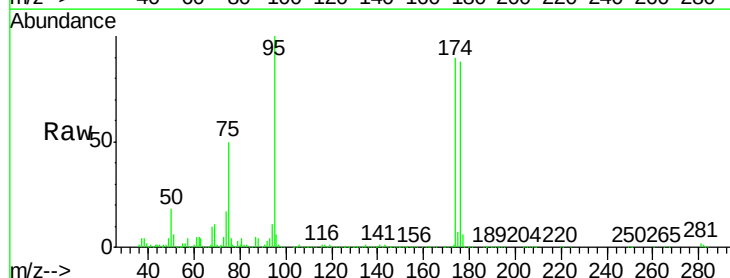
Tgt Ion: 75 Resp: 150464

Ion Ratio Lower Upper

75 100

53 0.2 69.5 104.3#

89 0.1 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

100000

50000

0

12.40 12.45 12.50 12.55

Time-->

