

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY080320\
 Data File : VY003426.D
 Acq On : 03 Aug 2020 18:51
 Operator : SY/MD
 Sample : L3548-04
 Misc : 7.12G/5ML/MSVOA Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CRT-017

Quant Time: Aug 04 01:37:24 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	443826	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	709949	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	662619	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	322929	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	233017	55.22	ug/l	0.00
Spiked Amount			Recovery	=	110.44%	
35) Dibromofluoromethane	7.72	113	223023	53.33	ug/l	0.00
Spiked Amount			Recovery	=	106.66%	
50) Toluene-d8	10.18	98	854301	52.17	ug/l	0.00
Spiked Amount			Recovery	=	104.34%	
62) 4-Bromofluorobenzene	12.48	95	283857	50.73	ug/l	0.00
Spiked Amount			Recovery	=	101.46%	

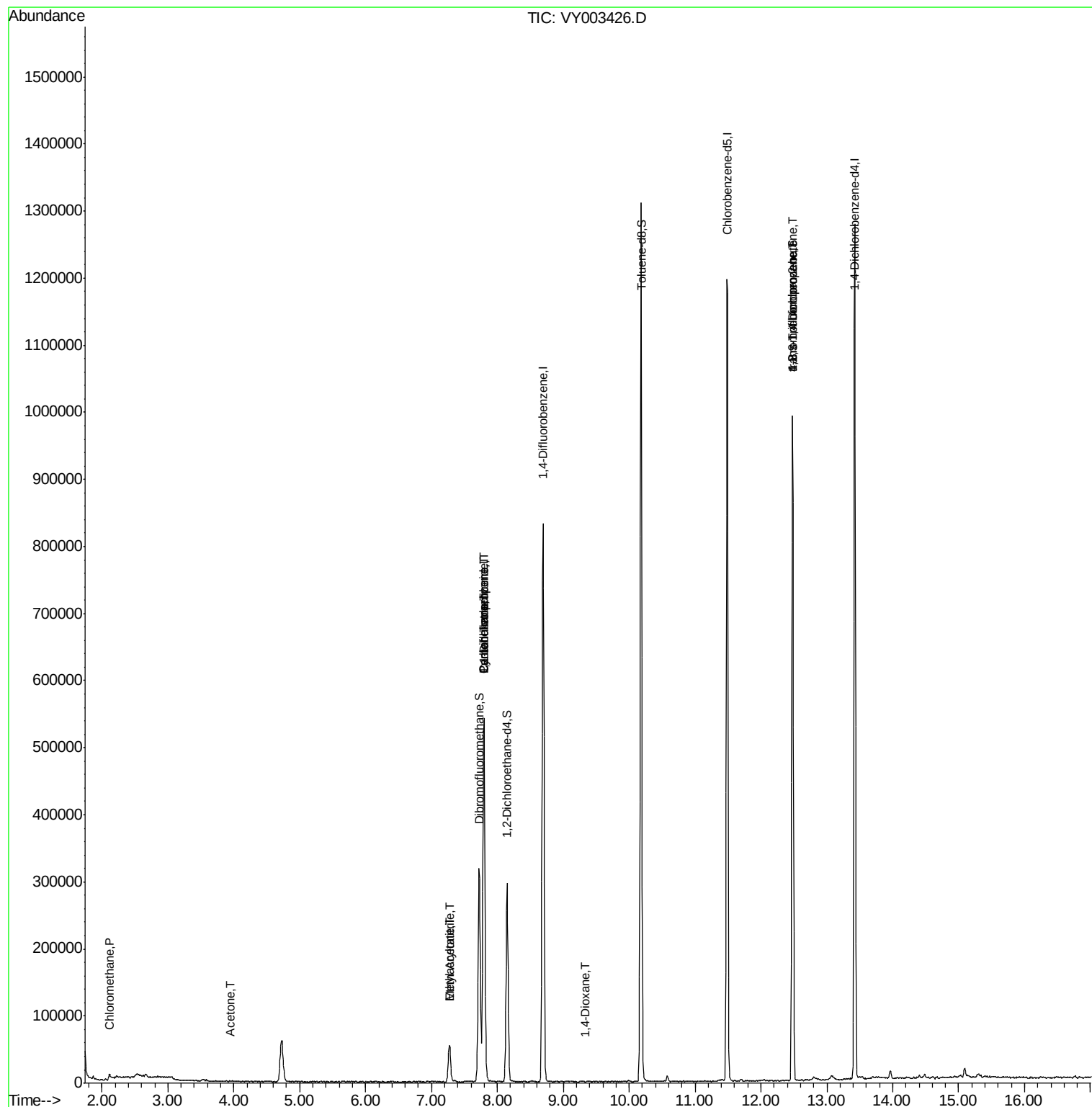
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.11	50	5829	1.171	ug/l #	82
11) Tert butyl alcohol	4.95	59	344	Below Cal	#	82
16) Acetone	3.95	43	1506	1.444	ug/l #	70
31) Cyclohexane	7.80	56	8684	1.161	ug/l #	13
36) 1,1-Dichloropropene	7.79	75	30912	4.601	ug/l #	50
37) Ethyl Acetate	7.27	43	52834	13.830	ug/l #	69
38) Carbon Tetrachloride	7.80	117	40484	5.856	ug/l #	15
41) Methacrylonitrile	7.28	41	27980	12.776	ug/l #	47
49) 1,4-Dioxane	9.33	88	49	1.382	ug/l #	25
76) 1,2,3-Trichloropropane	12.48	75	142857	49.244	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	142857	93.132	ug/l #	15

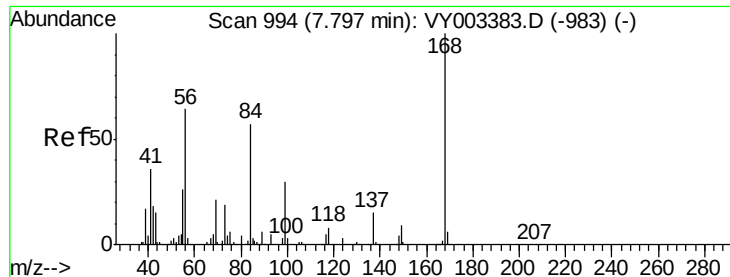
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY003426.D

Acq: 03 Aug 2020 18:51

Instrument :

MSVOA_Y

ClientSampleId :

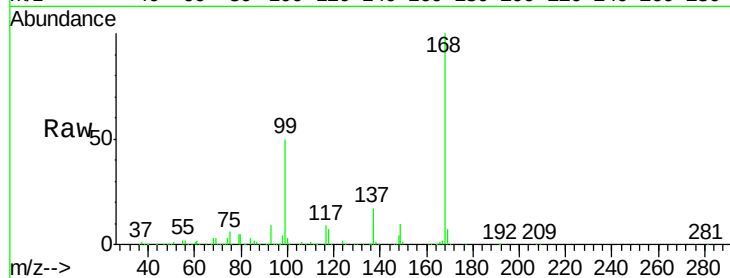
CRT-017

Tot Ion:168 Resp: 443826

Ion Ratio Lower Upper

168 100

99 50.4 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

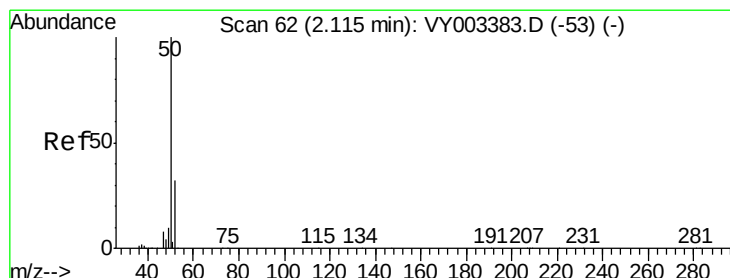
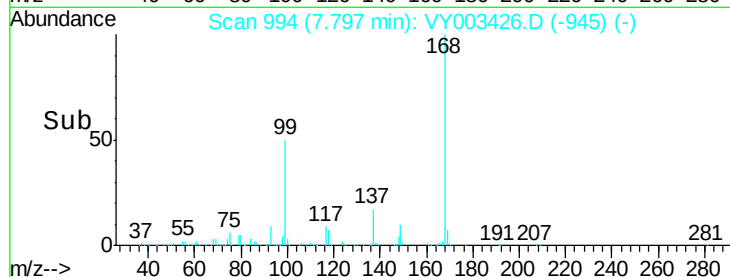
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 1.171 ug/l

RT: 2.11 min Scan# 61

Delta R.T. -0.01 min

Lab File: VY003426.D

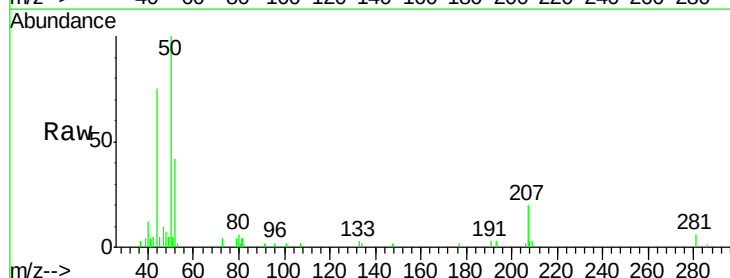
Acq: 03 Aug 2020 18:51

Tgt Ion: 50 Resp: 5829

Ion Ratio Lower Upper

50 100

52 42.4 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

4000

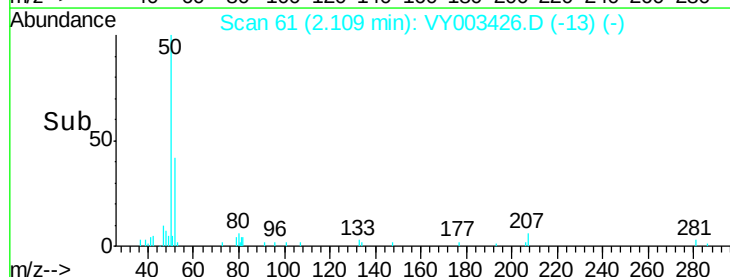
3000

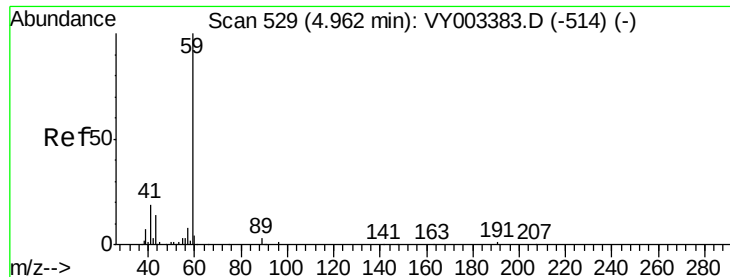
2000

1000

0

Time-->



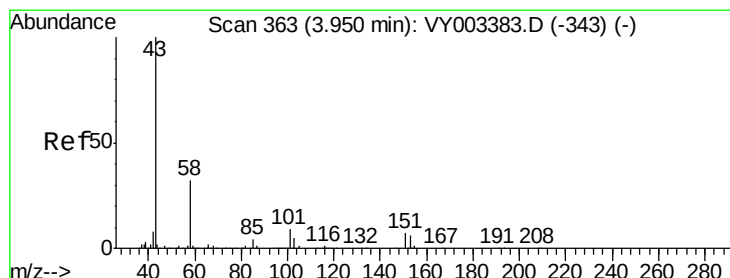
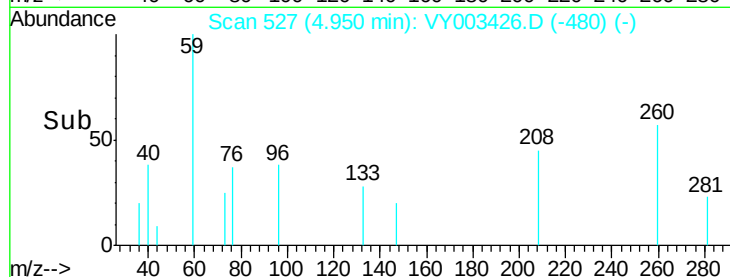
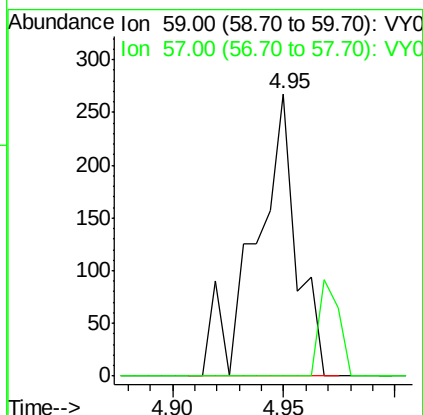
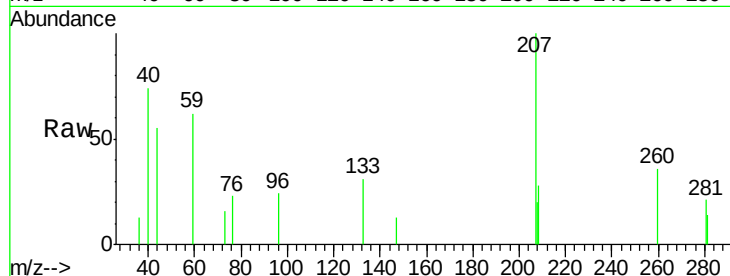


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 4.95 min Scan# 527
 Delta R.T. -0.01 min
 Lab File: VY003426.D
 Acq: 03 Aug 2020 18:51

Instrument :
 MSVOA_Y
 ClientSampleId :
 CRT-017

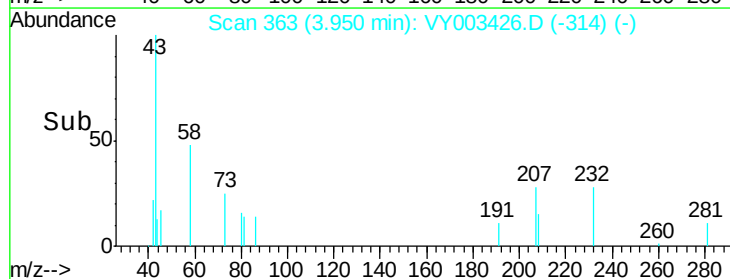
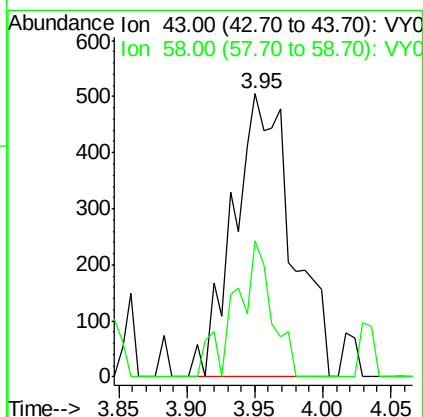
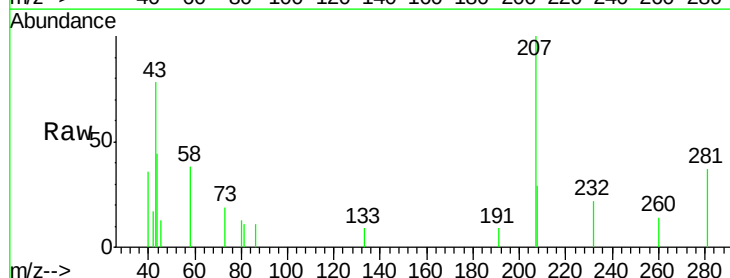
Tot Ion: 59 Resp: 344
 Ion Ratio Lower Upper
 59 100
 57 16.6 8.0 12.0#

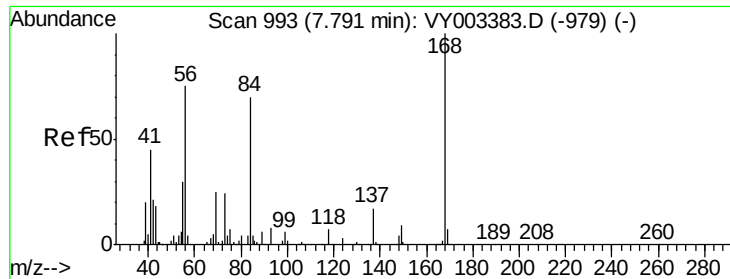


#16

Acetone
 Concen: 1.444 ug/l
 RT: 3.95 min Scan# 363
 Delta R.T. -0.00 min
 Lab File: VY003426.D
 Acq: 03 Aug 2020 18:51

Tgt Ion: 43 Resp: 1506
 Ion Ratio Lower Upper
 43 100
 58 48.3 25.4 38.2#

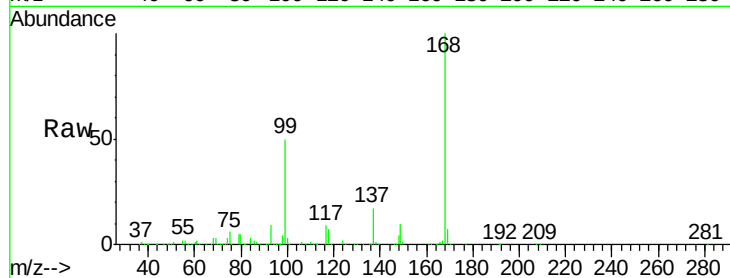




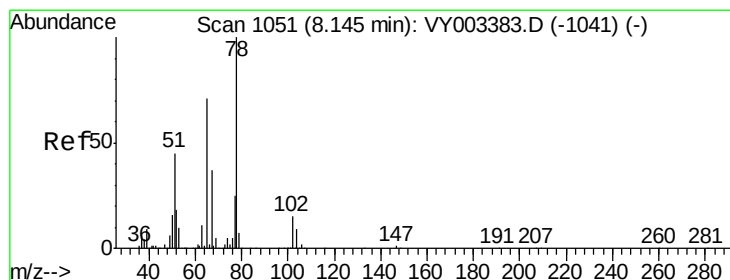
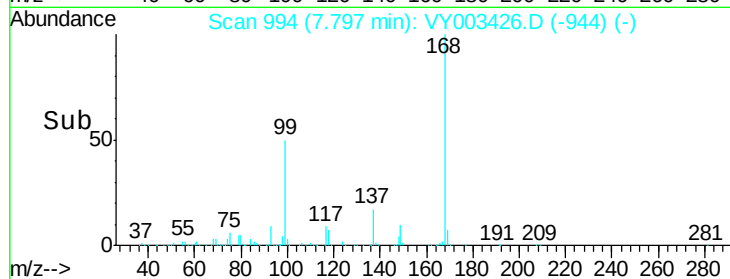
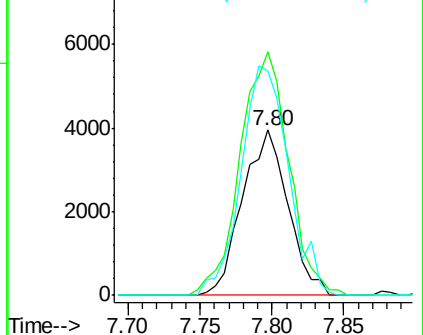
#31
Cyclohexane
Concen: 1.161 ug/l
RT: 7.80 min Scan# 994
Delta R.T. 0.01 min
Lab File: VY003426.D
Acq: 03 Aug 2020 18:51

Instrument :
MSVOA_Y
ClientSampleId :
CRT-017

Tot Ion: 56 Resp: 8684
Ion Ratio Lower Upper
56 100
69 147.6 26.1 39.1#
84 136.0 73.9 110.9#

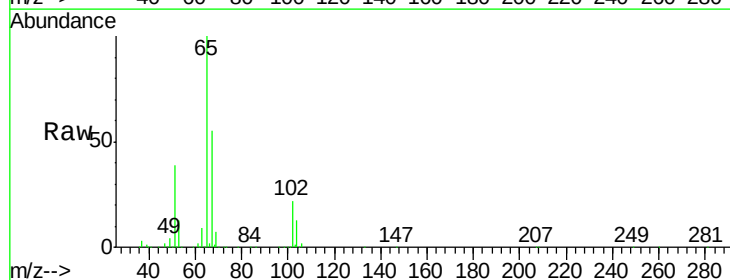


Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0

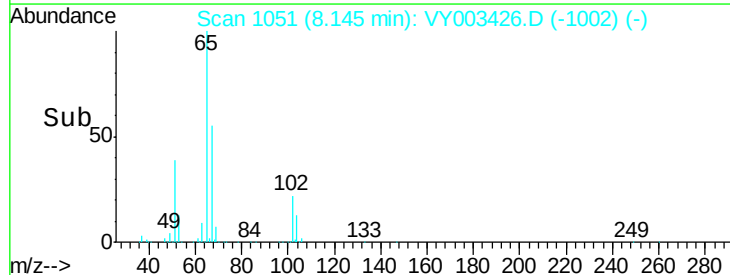
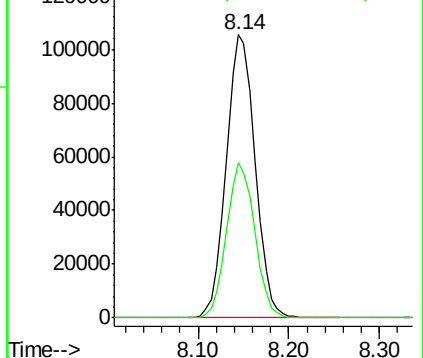


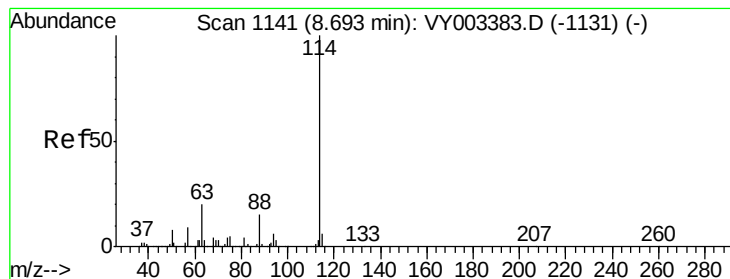
#33
1,2-Dichloroethane-d4
Concen: 55.218 ug/l
RT: 8.14 min Scan# 1051
Delta R.T. -0.00 min
Lab File: VY003426.D
Acq: 03 Aug 2020 18:51

Tgt Ion: 65 Resp: 233017
Ion Ratio Lower Upper
65 100
67 53.6 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: VY003426.D

Acq: 03 Aug 2020 18:51

Instrument :

MSVOA_Y

ClientSampleId :

CRT-017

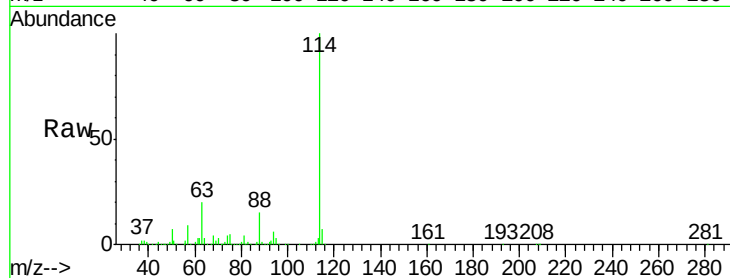
Tot Ion:114 Resp: 709949

Ion Ratio Lower Upper

114 100

63 19.9 0.0 40.6

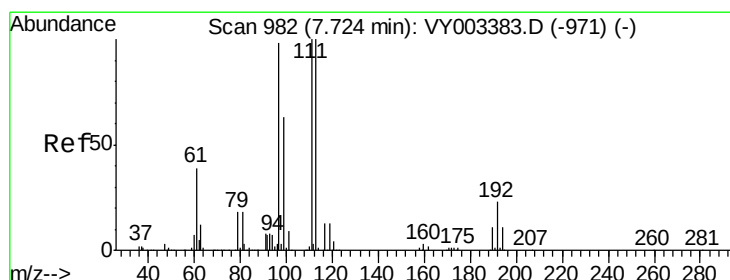
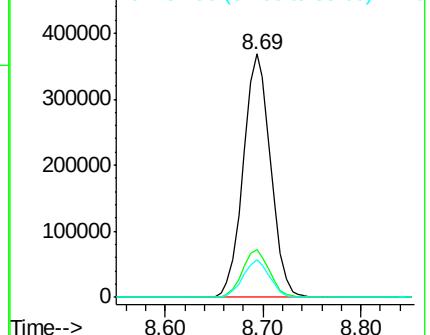
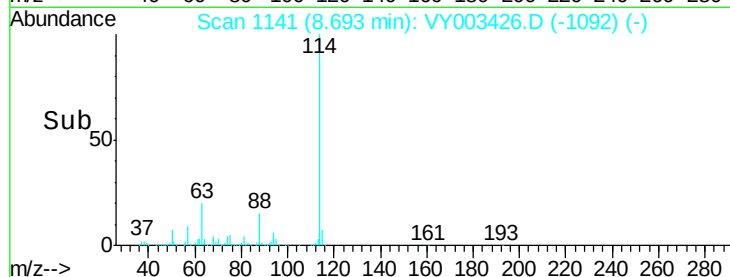
88 15.3 0.0 29.2



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: 53.329 ug/l

RT: 7.72 min Scan# 982

Delta R.T. -0.00 min

Lab File: VY003426.D

Acq: 03 Aug 2020 18:51

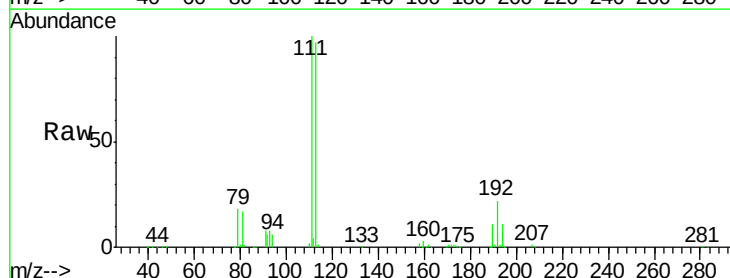
Tgt Ion:113 Resp: 223023

Ion Ratio Lower Upper

113 100

111 103.1 83.0 124.4

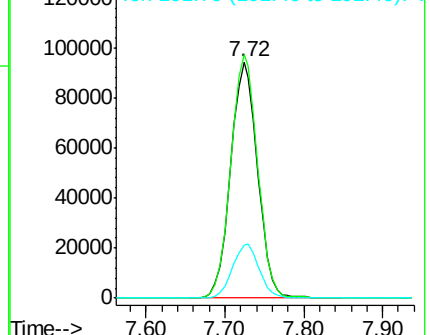
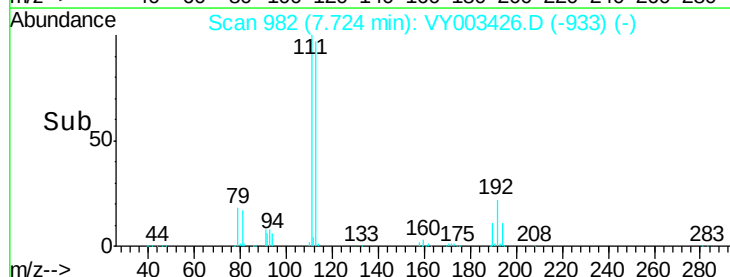
192 22.8 18.8 28.2

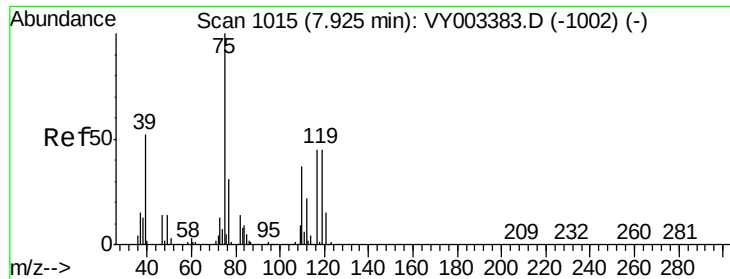


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

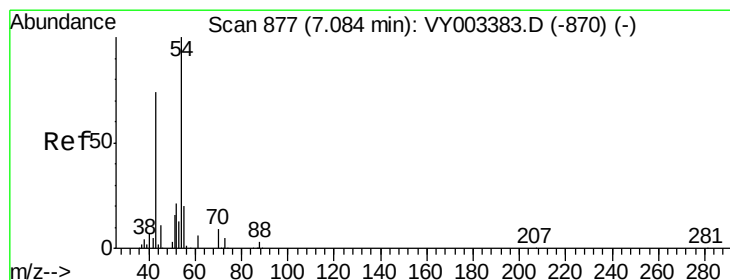
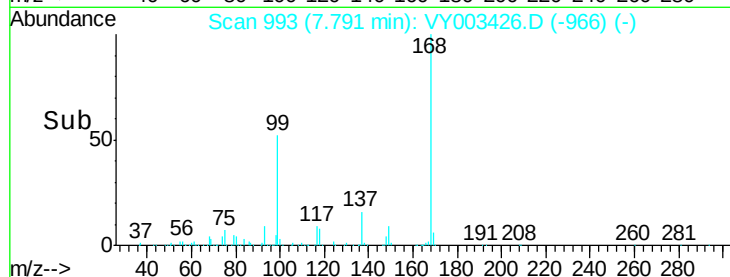
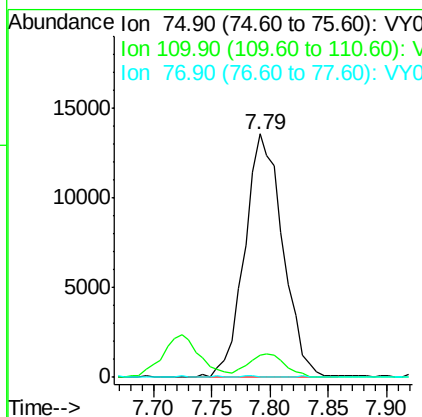
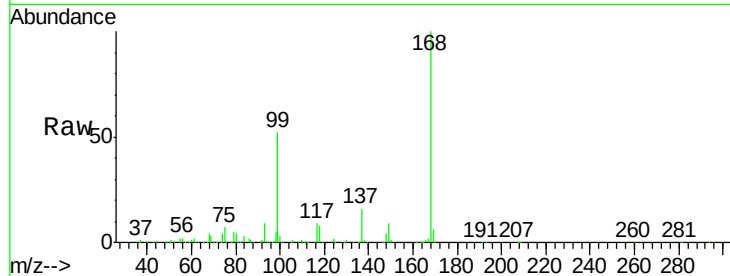




#36
 1,1-Dichloropropene
 Concen: 4.601 ug/l
 RT: 7.79 min Scan# 993
 Delta R.T. -0.13 min
 Lab File: VY003426.D
 Acq: 03 Aug 2020 18:51

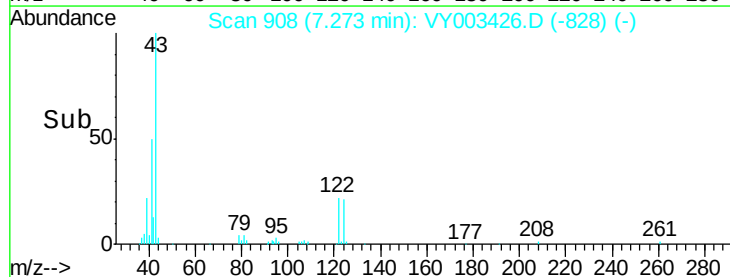
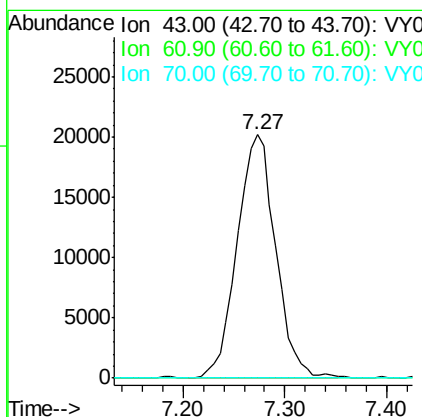
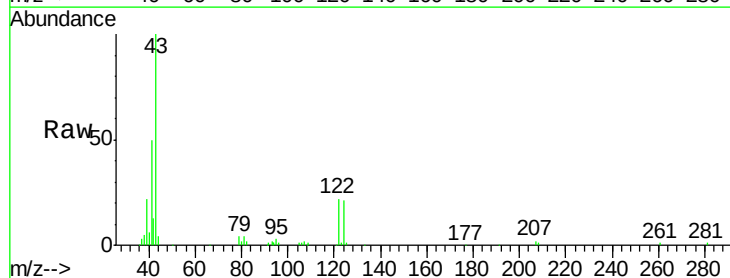
Instrument :
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 ClientSampleId :
 CRT-017

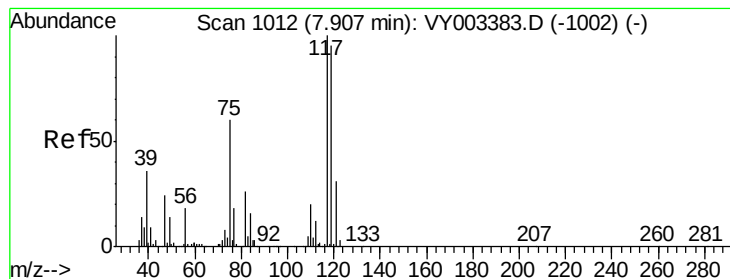
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.2	17.8	53.5#
77	0.2	24.6	36.8#



#37
 Ethyl Acetate
 Concen: 13.830 ug/l
 RT: 7.27 min Scan# 908
 Delta R.T. 0.19 min
 Lab File: VY003426.D
 Acq: 03 Aug 2020 18:51

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: 5.856 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.11 min

Lab File: VY003426.D

Acq: 03 Aug 2020 18:51

Instrument :

MSVOA_Y

ClientSampleId :

CRT-017

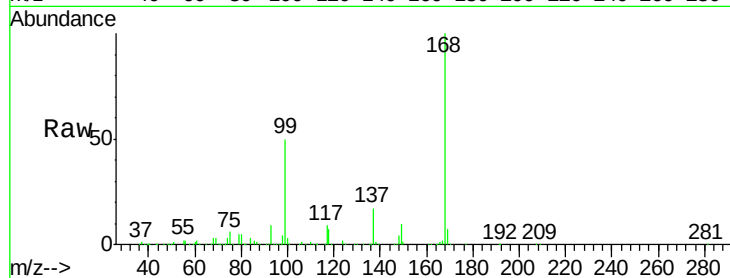
Tot Ion:117 Resp: 40484

Ion Ratio Lower Upper

117 100

119 3.8 76.1 114.1#

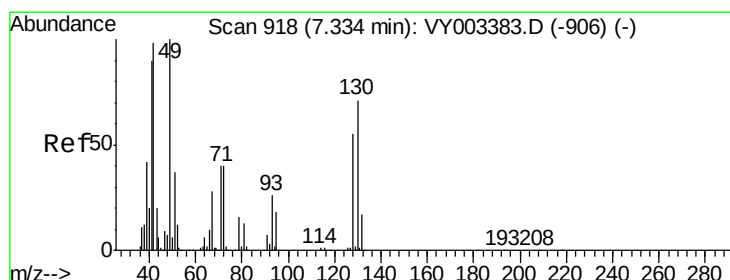
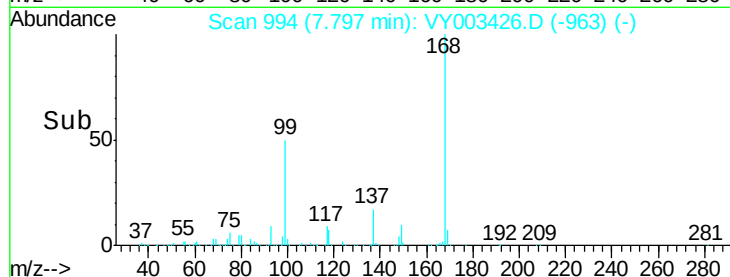
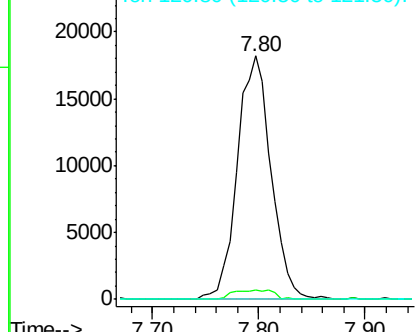
121 0.0 24.5 36.7#



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



#41

Methacrylonitrile

Concen: 12.776 ug/l

RT: 7.28 min Scan# 909

Delta R.T. -0.05 min

Lab File: VY003426.D

Acq: 03 Aug 2020 18:51

Tgt Ion: 41 Resp: 27980

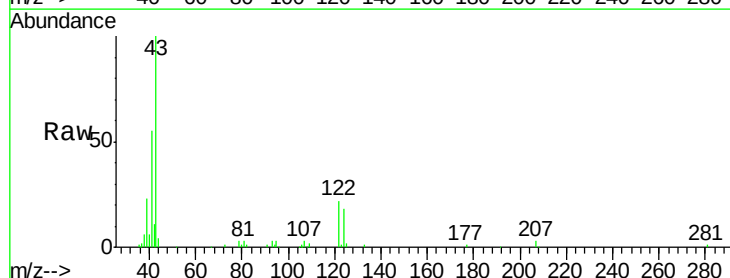
Ion Ratio Lower Upper

41 100

39 45.4 78.3 117.5#

67 0.0 0.0 0.0

52 0.0 0.0 0.0

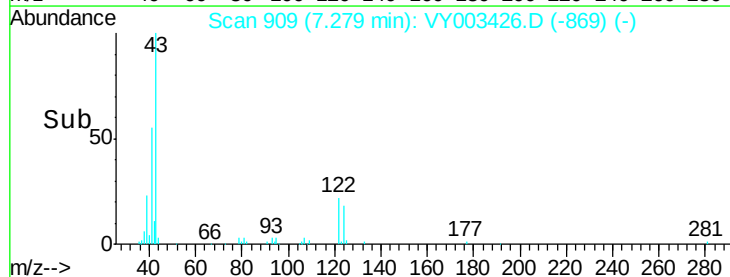
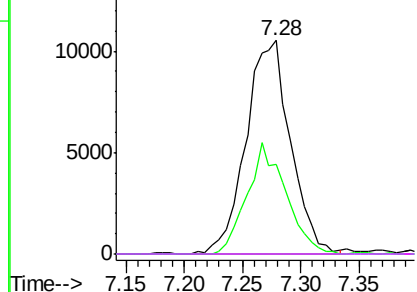


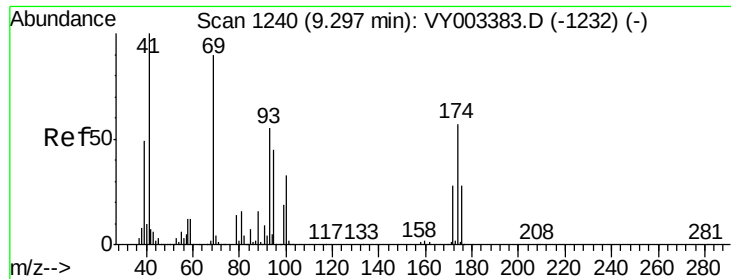
Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 67.00 (66.70 to 67.70): VY0

Ion 52.00 (51.70 to 52.70): VY0

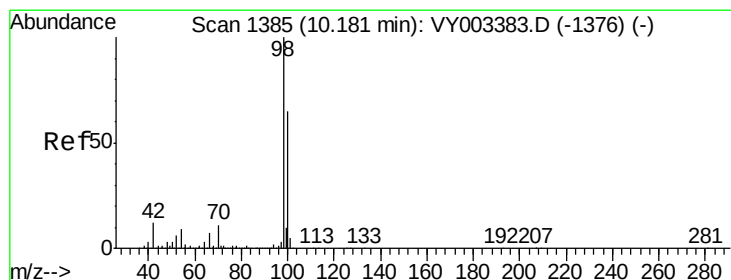
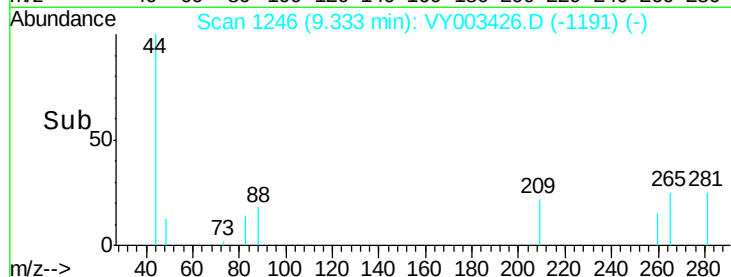
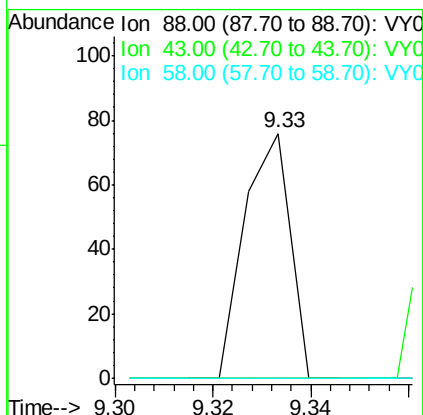
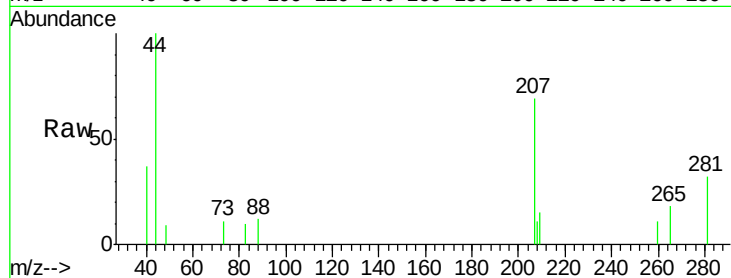




#49
1,4-Dioxane
Concen: 1.382 ug/l
RT: 9.33 min Scan# 1246
Delta R.T. 0.04 min
Lab File: VY003426.D
Acq: 03 Aug 2020 18:51

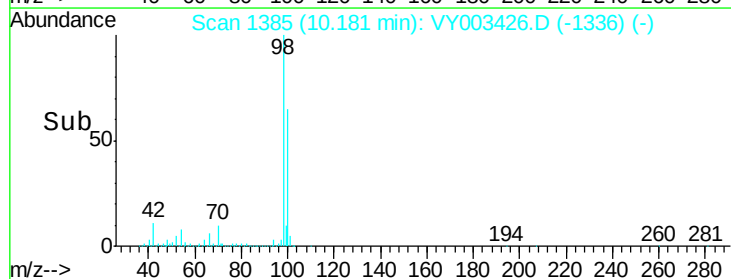
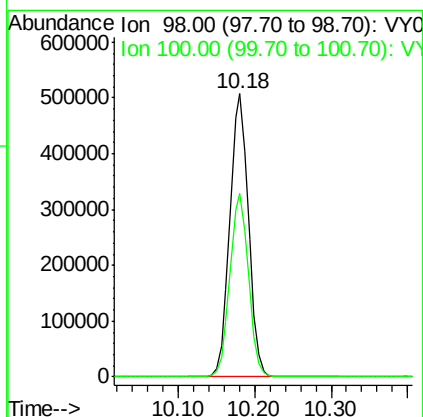
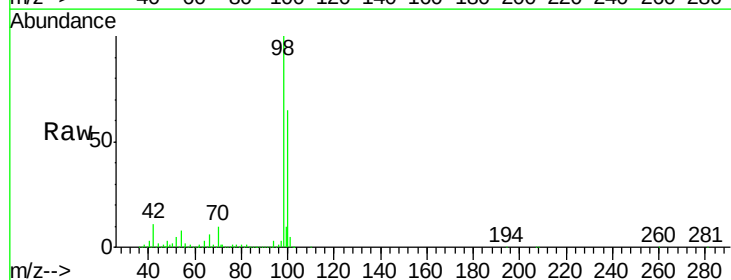
Instrument :
MSVOA_Y
ClientSampleId :
CRT-017

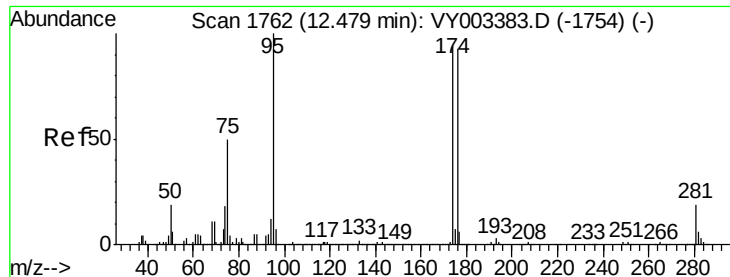
Tot Ion: 88 Resp: 49
Ion Ratio Lower Upper
88 100
43 0.0 24.9 37.3#
58 0.0 54.3 81.5#



#50
Toluene-d8
Concen: 52.167 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VY003426.D
Acq: 03 Aug 2020 18:51

Tgt Ion: 98 Resp: 854301
Ion Ratio Lower Upper
98 100
100 64.3 51.3 76.9

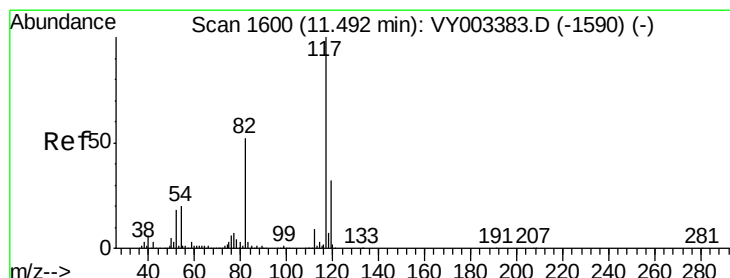
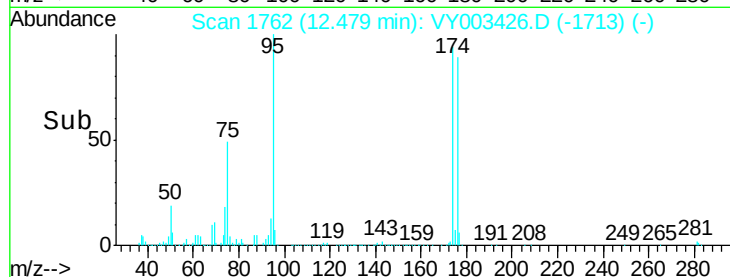
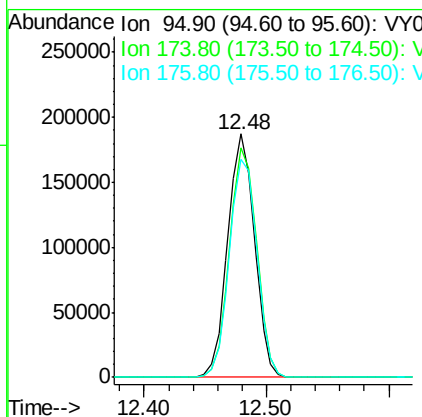
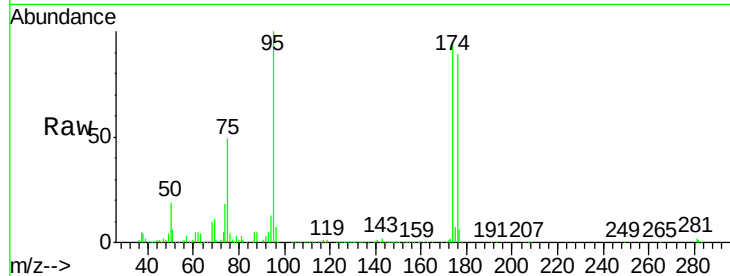




#62
4-Bromofluorobenzene
Concen: 50.731 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.00 min
Lab File: VY003426.D
Acq: 03 Aug 2020 18:51

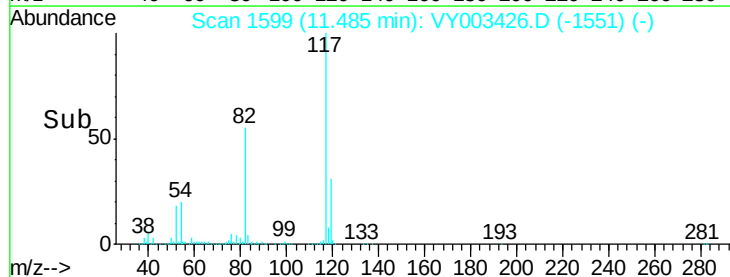
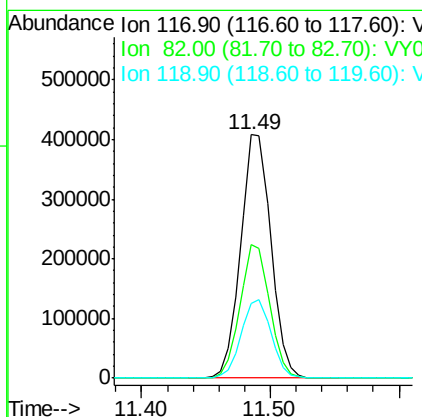
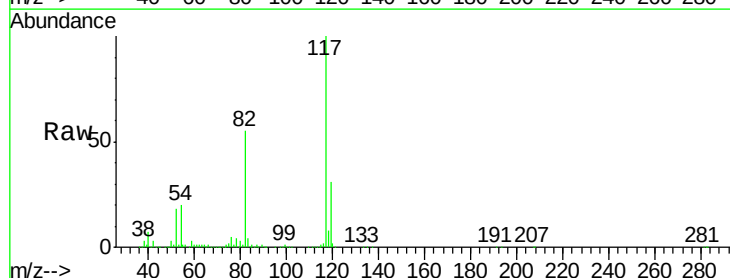
Instrument :
MSVOA_Y
ClientSampleId :
CRT-017

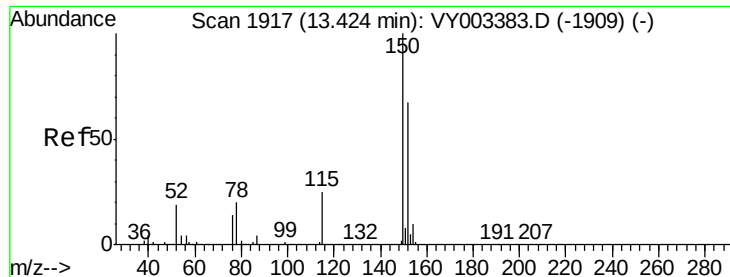
Tot Ion	Ratio	Lower	Upper
95	100		
174	95.5	0.0	190.0
176	92.1	0.0	184.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VY003426.D
Acq: 03 Aug 2020 18:51

Tgt Ion	Ratio	Lower	Upper
117	100		
82	54.7	41.9	62.9
119	30.8	25.4	38.0



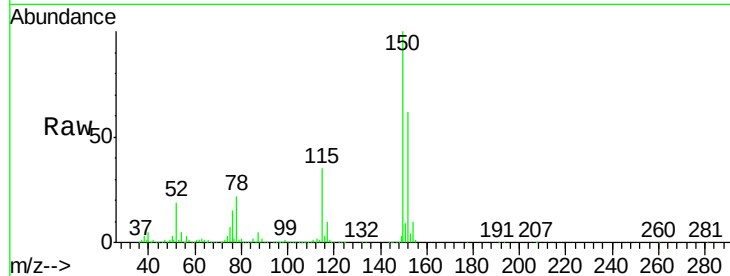


#72

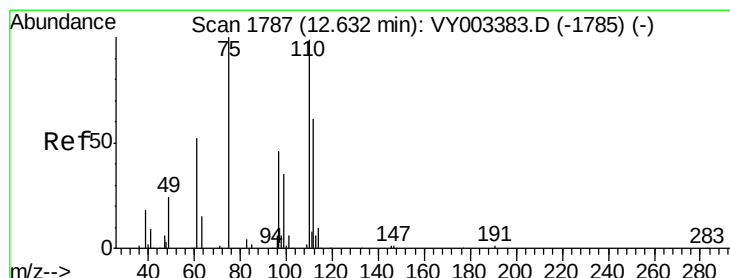
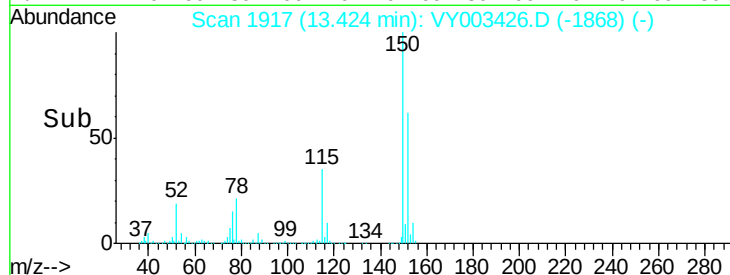
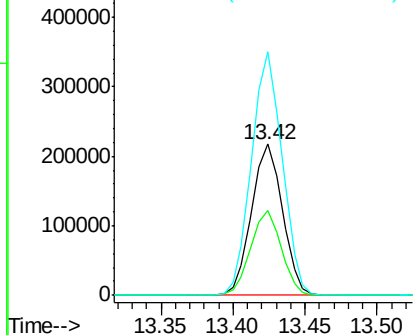
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY003426.D
Acq: 03 Aug 2020 18:51

Instrument :
MSVOA_Y
ClientSampleId :
CRT-017

Tot Ion	Ratio	Lower	Upper
152	100		
115	55.6	27.2	81.5
150	159.9	0.0	346.8



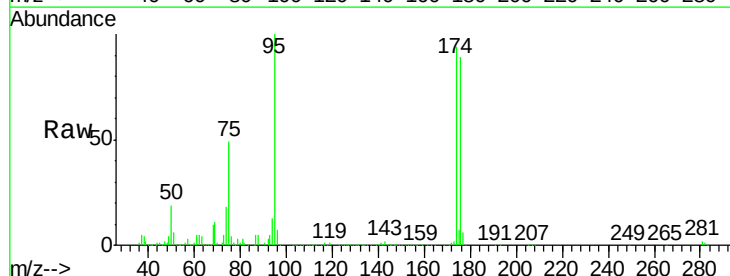
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



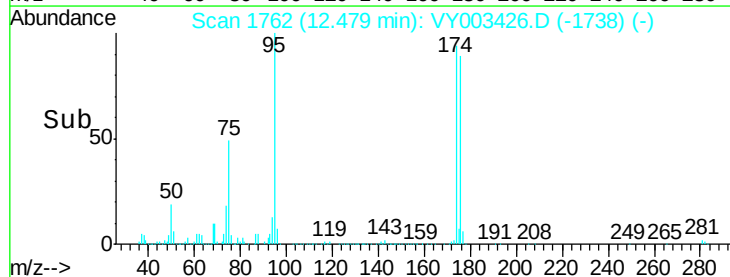
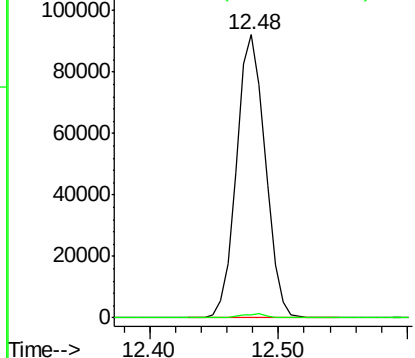
#76

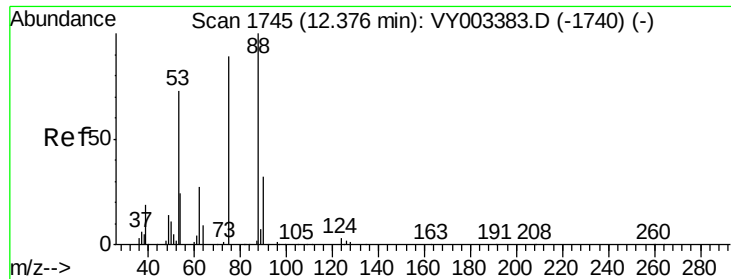
1,2,3-Trichloropropane
Concen: 49.244 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.15 min
Lab File: VY003426.D
Acq: 03 Aug 2020 18:51

Tgt 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: 93.132 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY003426.D

Acq: 03 Aug 2020 18:51

Instrument :

MSVOA_Y

ClientSampleId :

CRT-017

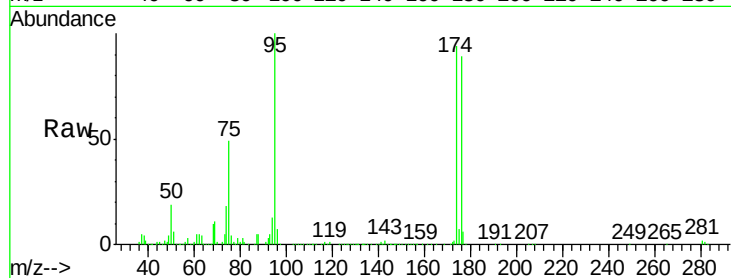
Tot Ion: 75 Resp: 142857

Ion Ratio Lower Upper

75 100

53 0.1 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

