

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY080320\
 Data File : VY003425.D
 Acq On : 03 Aug 2020 18:27
 Operator : SY/MD
 Sample : L3548-01
 Misc : 8.73G/5ML/MSVOA Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CRT-025

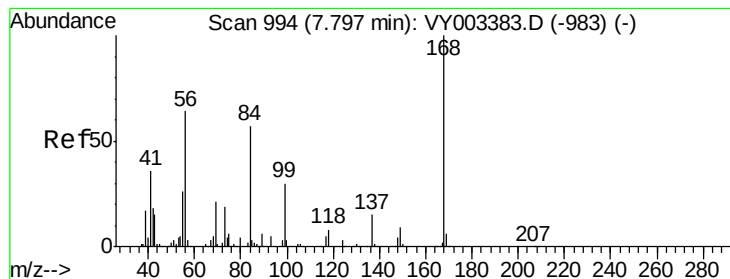
Quant Time: Aug 04 01:37:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y073120S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 31 13:09:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	459186	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	710526	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	660659	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	331948	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	224219	51.36	ug/l	0.00
Spiked Amount			Recovery	=	102.72%	
35) Dibromofluoromethane	7.72	113	222571	53.18	ug/l	0.00
Spiked Amount			Recovery	=	106.36%	
50) Toluene-d8	10.18	98	864198	52.73	ug/l	0.00
Spiked Amount			Recovery	=	105.46%	
62) 4-Bromofluorobenzene	12.48	95	284864	50.87	ug/l	0.00
Spiked Amount			Recovery	=	101.74%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.12	50	6530	1.268	ug/l	98
11) Tert butyl alcohol	4.96	59	510	Below Cal	#	88
16) Acetone	3.94	43	3218	2.983	ug/l #	73
20) Methylene Chloride	4.72	84	39220	Below Cal		95
29) Tetrahydrofuran	7.27	42	10223	9.531	ug/l #	34
31) Cyclohexane	7.80	56	7922	1.024	ug/l #	1
36) 1,1-Dichloropropene	7.79	75	31221	4.643	ug/l #	51
37) Ethyl Acetate	7.27	43	84365	22.066	ug/l #	69
38) Carbon Tetrachloride	7.79	117	41503	5.999	ug/l #	16
41) Methacrylonitrile	7.27	41	44113	20.126	ug/l #	43
49) 1,4-Dioxane	9.50	88	45	1.268	ug/l #	1
76) 1,2,3-Trichloropropane	12.48	75	147315	49.401	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	147315	93.429	ug/l #	15

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.00 min

Lab File: VY003425.D

Acq: 03 Aug 2020 18:27

Instrument :

MSVOA_Y

ClientSampleId :

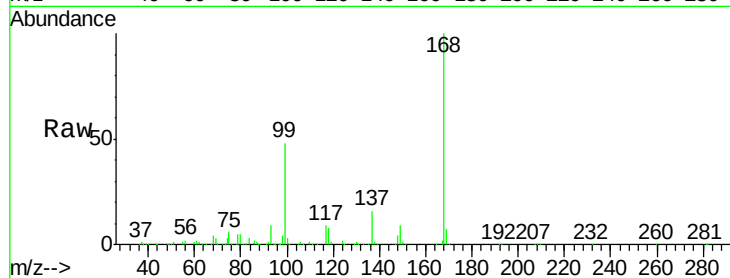
CRT-025

Tot Ion:168 Resp: 459186

Ion Ratio Lower Upper

168 100

99 48.1 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

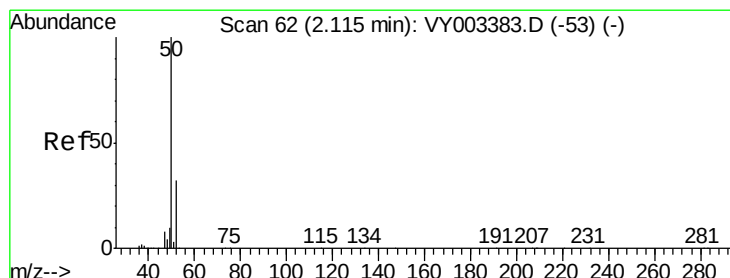
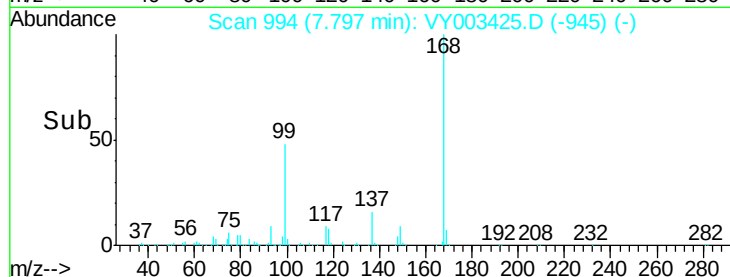
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 1.268 ug/l

RT: 2.12 min Scan# 62

Delta R.T. -0.00 min

Lab File: VY003425.D

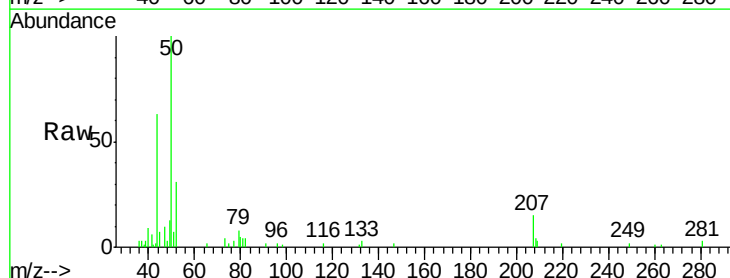
Acq: 03 Aug 2020 18:27

Tgt Ion: 50 Resp: 6530

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) (-)

2.12

5000

4000

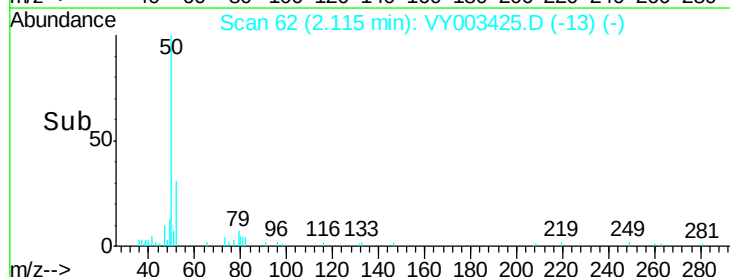
3000

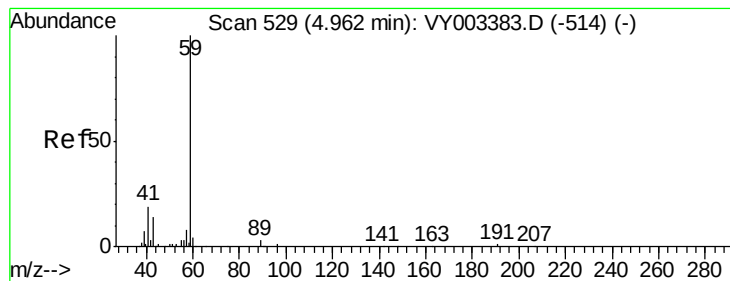
2000

1000

0

Time-->



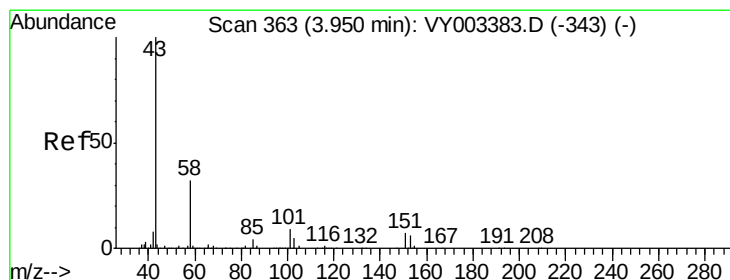
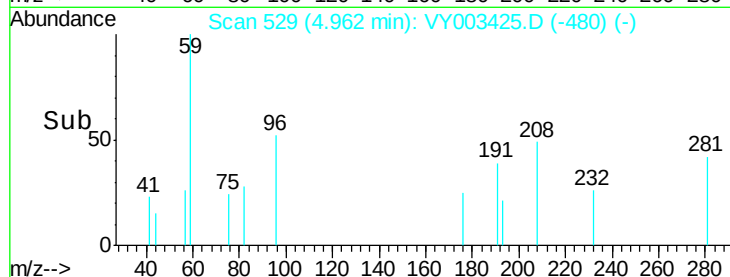
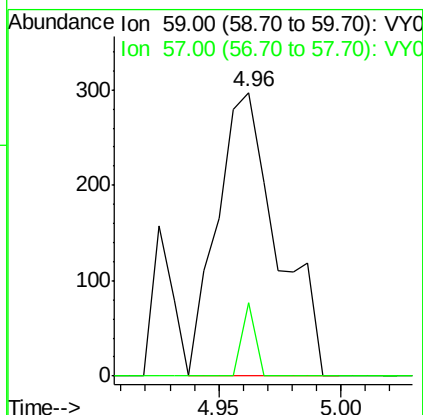
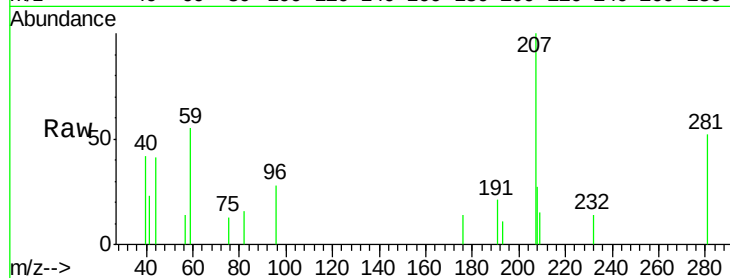


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 4.96 min Scan# 529
 Delta R.T. 0.00 min
 Lab File: VY003425.D
 Acq: 03 Aug 2020 18:27

Instrument :
 MSVOA_Y
 ClientSampled :
 CRT-025

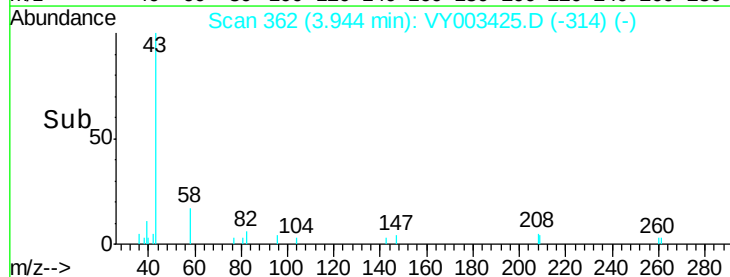
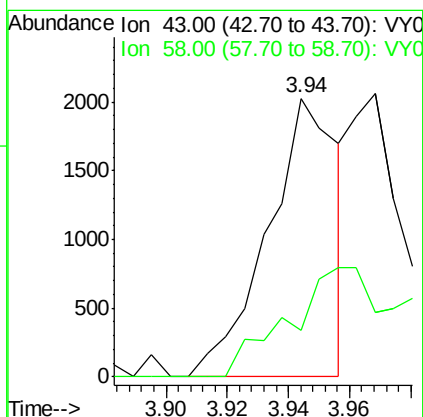
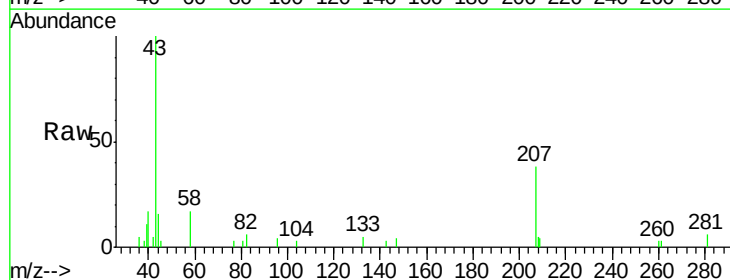
Tot Ion: 59 Resp: 510
 Ion Ratio Lower Upper
 59 100
 57 5.5 8.0 12.0#

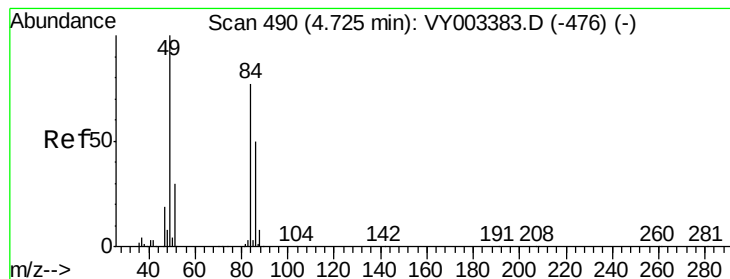


#16

Acetone
 Concen: 2.983 ug/l
 RT: 3.94 min Scan# 362
 Delta R.T. -0.01 min
 Lab File: VY003425.D
 Acq: 03 Aug 2020 18:27

Tgt Ion: 43 Resp: 3218
 Ion Ratio Lower Upper
 43 100
 58 16.8 25.4 38.2#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.72 min Scan# 490

Delta R.T. 0.00 min

Lab File: VY003425.D

Acq: 03 Aug 2020 18:27

Instrument :

MSVOA_Y

ClientSampleId :

CRT-025

Tot Ion: 84 Resp: 39220

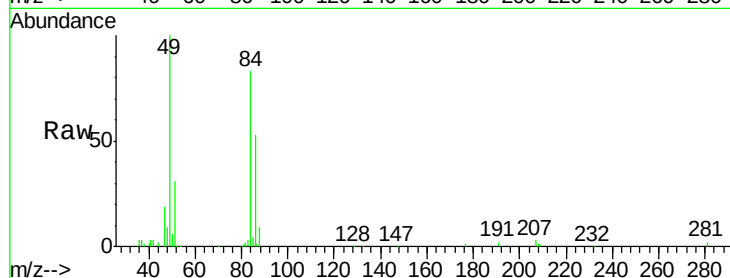
Ion Ratio Lower Upper

84 100

49 120.8 104.2 156.4

51 37.3 31.5 47.3

86 63.9 51.7 77.5

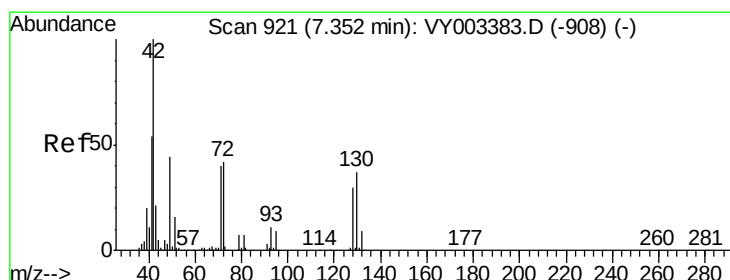
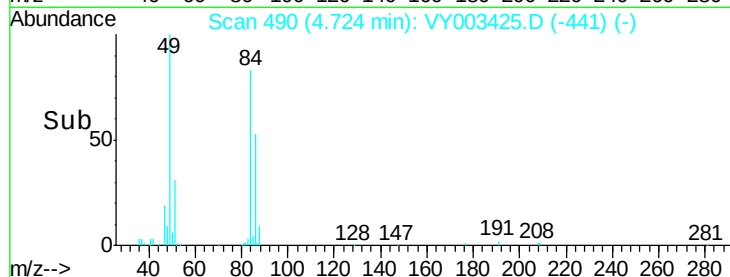
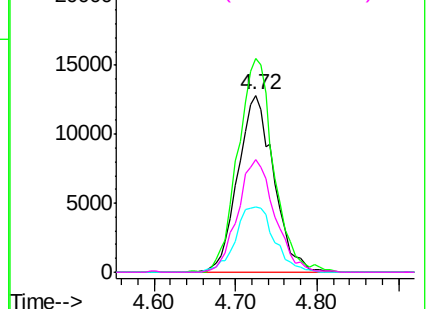


Abundance Ion 83.90 (83.60 to 84.60): VY0

Ion 48.90 (48.60 to 49.60): VY0

Ion 50.90 (50.60 to 51.60): VY0

Ion 85.90 (85.60 to 86.60): VY0



#29

Tetrahydrofuran

Concen: 9.531 ug/l

RT: 7.27 min Scan# 908

Delta R.T. -0.08 min

Lab File: VY003425.D

Acq: 03 Aug 2020 18:27

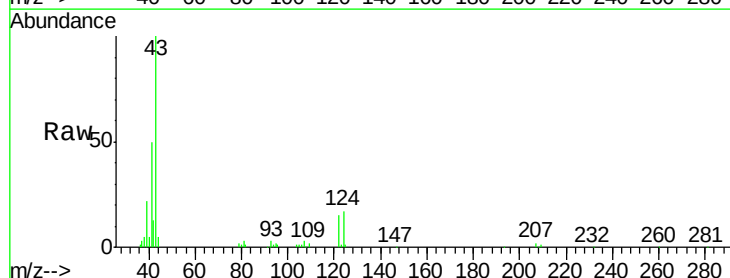
Tgt Ion: 42 Resp: 10223

Ion Ratio Lower Upper

42 100

72 0.0 33.5 50.3#

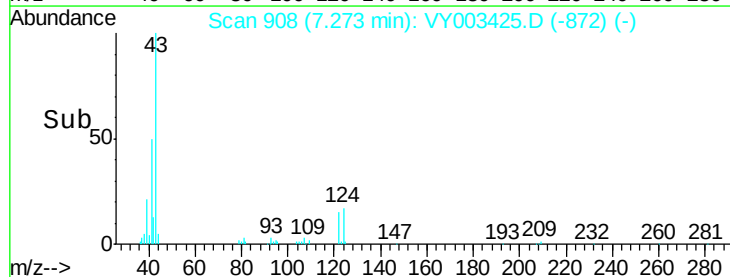
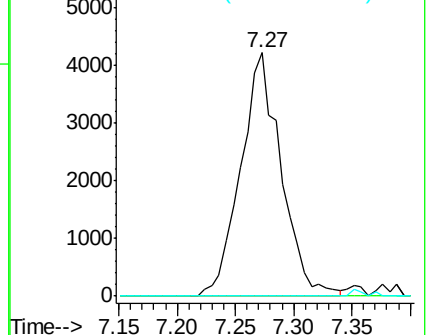
71 0.0 32.1 48.1#

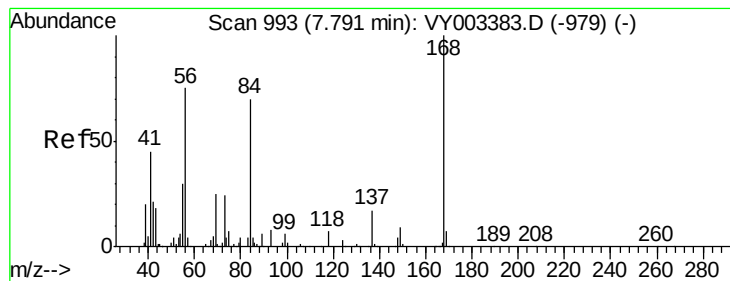


Abundance Ion 42.00 (41.70 to 42.70): VY0

Ion 72.00 (71.70 to 72.70): VY0

Ion 71.00 (70.70 to 71.70): VY0





#31

Cyclohexane

Concen: 1.024 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.01 min

Lab File: VY003425.D

Acq: 03 Aug 2020 18:27

Instrument :

MSVOA_Y

ClientSampleId :

CRT-025

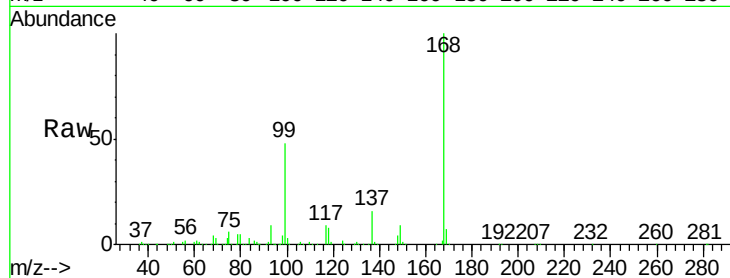
Tot Ion: 56 Resp: 7922

Ion Ratio Lower Upper

56 100

69 184.3 26.1 39.1#

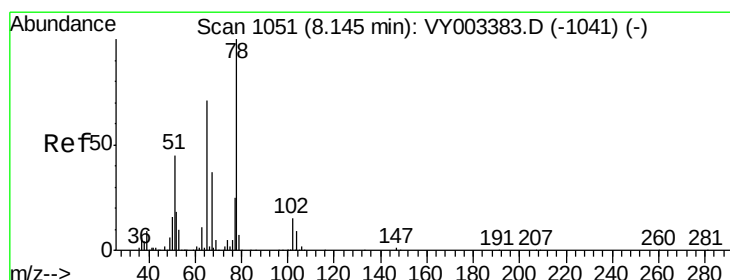
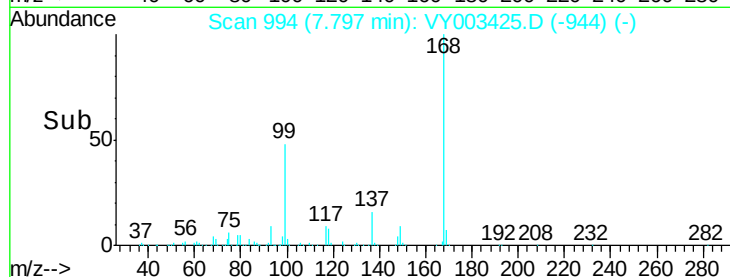
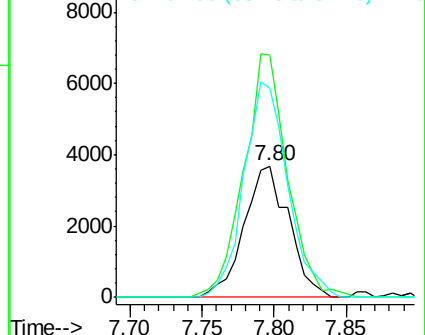
84 159.1 73.9 110.9#



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: 51.356 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. 0.01 min

Lab File: VY003425.D

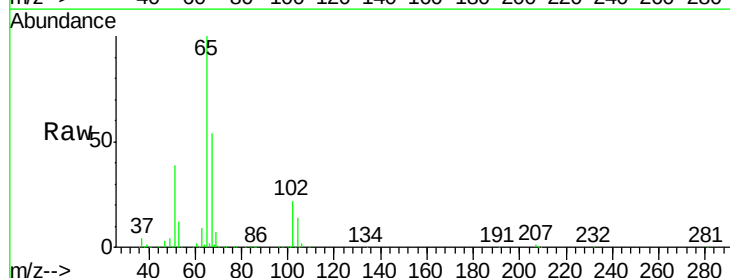
Acq: 03 Aug 2020 18:27

Tgt Ion: 65 Resp: 224219

Ion Ratio Lower Upper

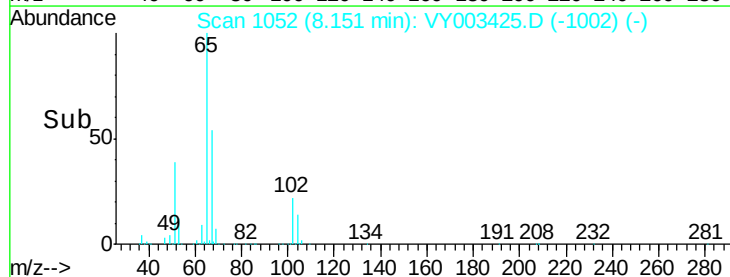
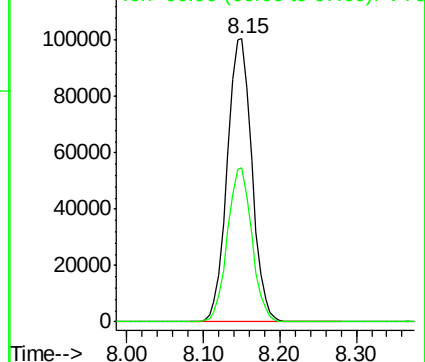
65 100

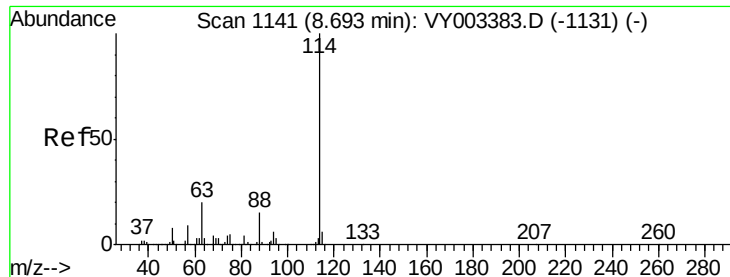
67 53.8 0.0 106.6



Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0

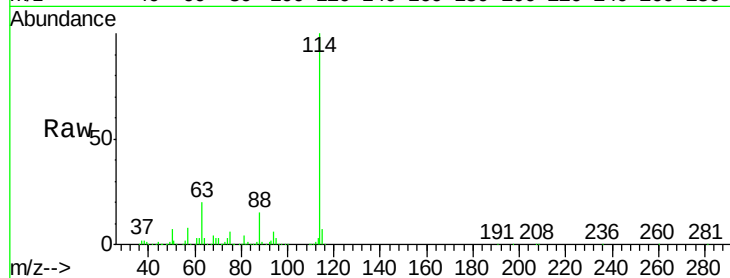




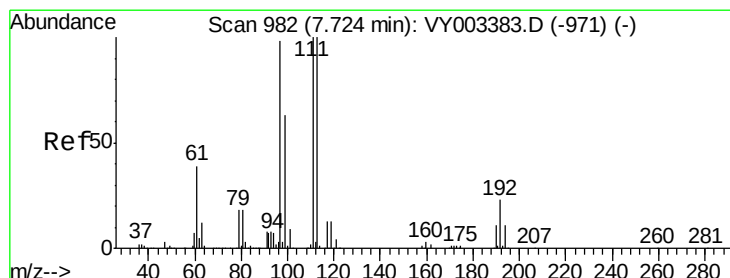
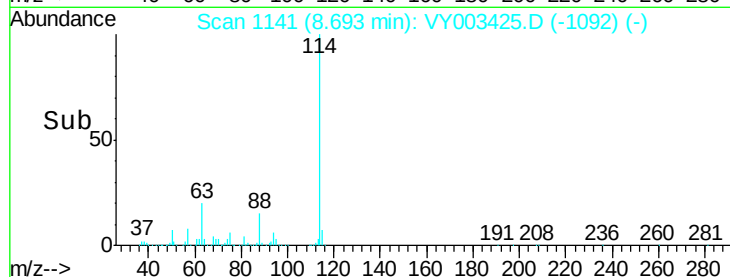
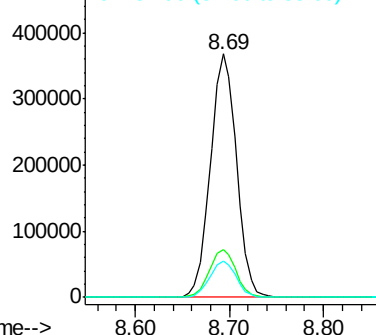
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.00 min
 Lab File: VY003425.D
 Acq: 03 Aug 2020 18:27

Instrument :
 MSVOA_Y
 ClientSampleId :
 CRT-025

Tot Ion:114	Resp:	710526
Ion	Ratio	Lower Upper
114	100	
63	19.8	0.0 40.6
88	15.0	0.0 29.2

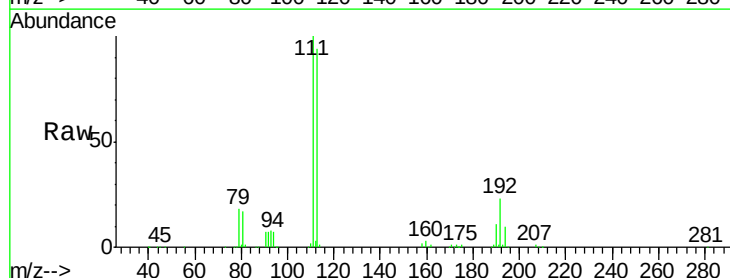


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VY0
 Ion 87.90 (87.60 to 88.60): VY0

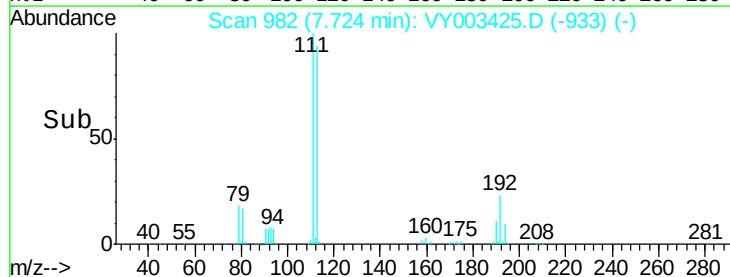
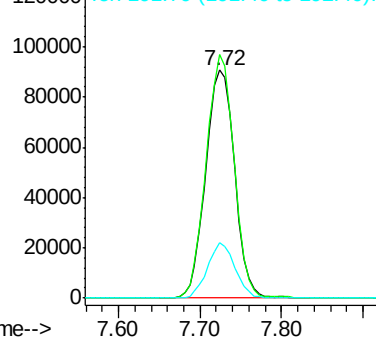


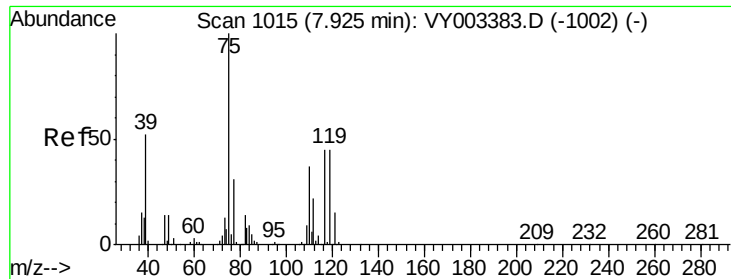
#35
 Dibromofluoromethane
 Concen: 53.178 ug/l
 RT: 7.72 min Scan# 982
 Delta R.T. -0.00 min
 Lab File: VY003425.D
 Acq: 03 Aug 2020 18:27

Tgt Ion:113	Resp:	222571
Ion	Ratio	Lower Upper
113	100	
111	103.1	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

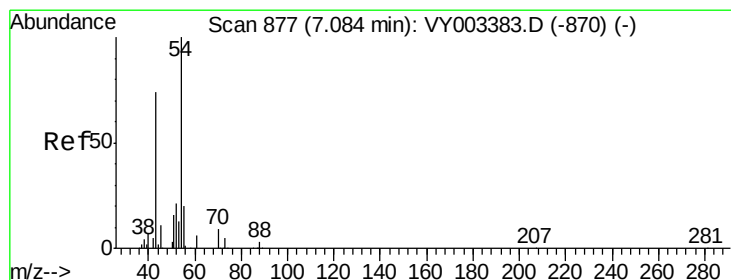
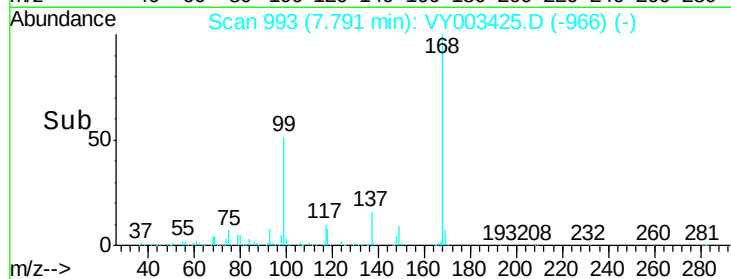
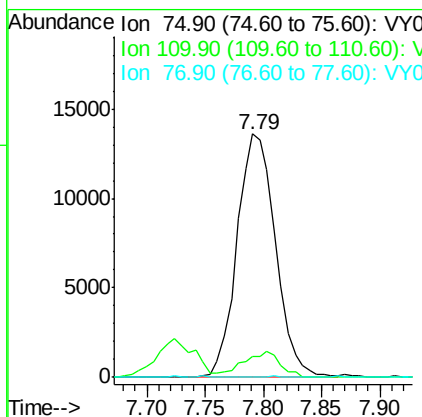
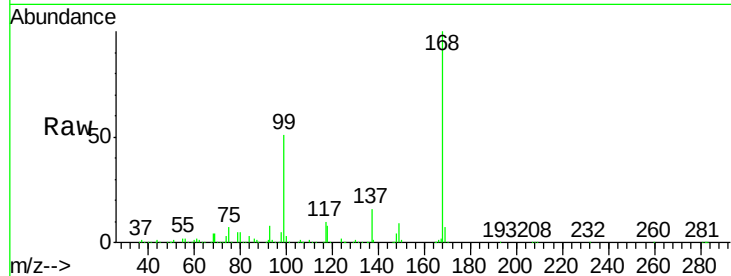




#36
 1,1-Dichloropropene
 Concen: 4.643 ug/l
 RT: 7.79 min Scan# 993
 Delta R.T. -0.13 min
 Lab File: VY003425.D
 Acq: 03 Aug 2020 18:27

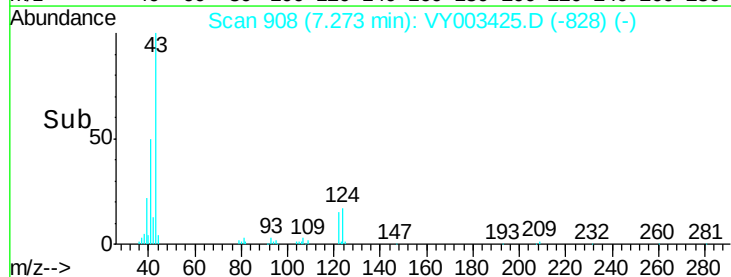
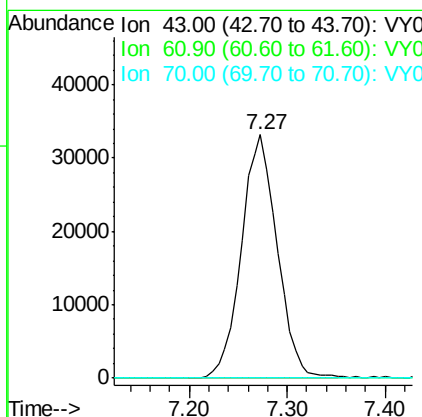
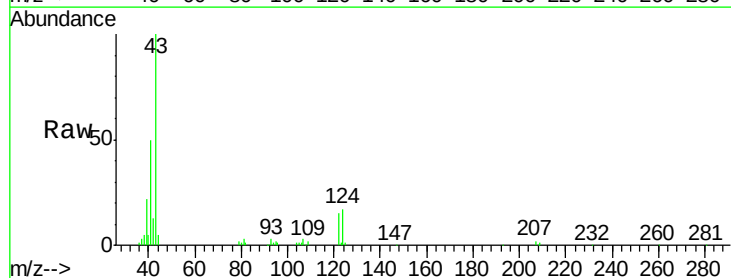
Instrument :
 MSVOA_Y
 ClientSampleId :
 CRT-025

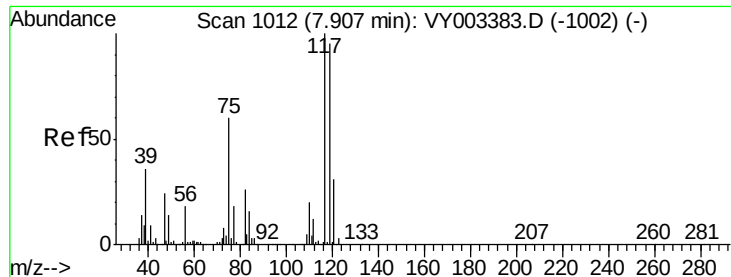
Tot Ion	Ratio	Lower	Upper
75	100		
110	10.2	17.8	53.5#
77	0.2	24.6	36.8#



#37
 Ethyl Acetate
 Concen: 22.066 ug/l
 RT: 7.27 min Scan# 908
 Delta R.T. 0.19 min
 Lab File: VY003425.D
 Acq: 03 Aug 2020 18:27

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

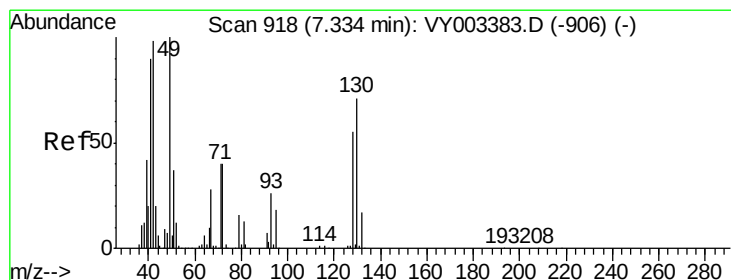
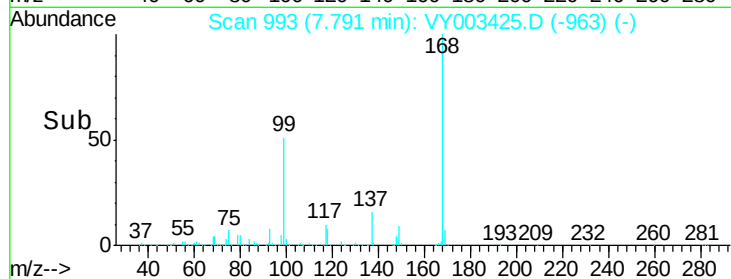
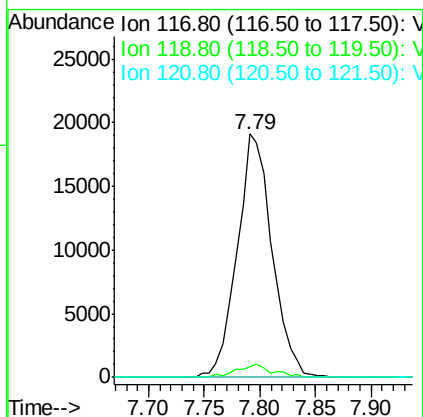
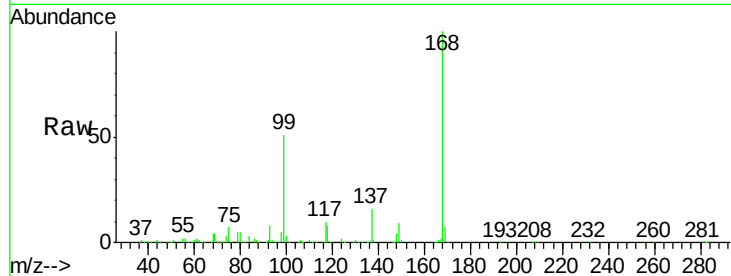




#38
Carbon Tetrachloride
Concen: 5.999 ug/l
RT: 7.79 min Scan# 993
Delta R.T. -0.12 min
Lab File: VY003425.D
Acq: 03 Aug 2020 18:27

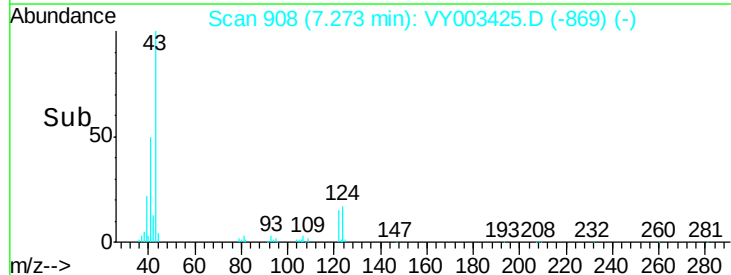
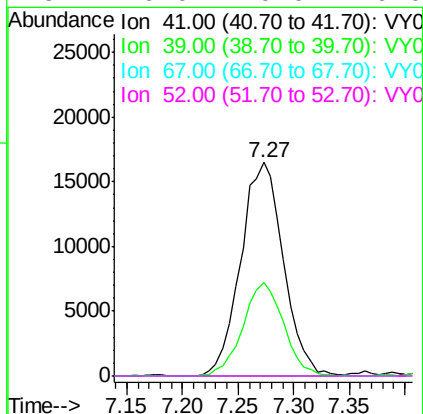
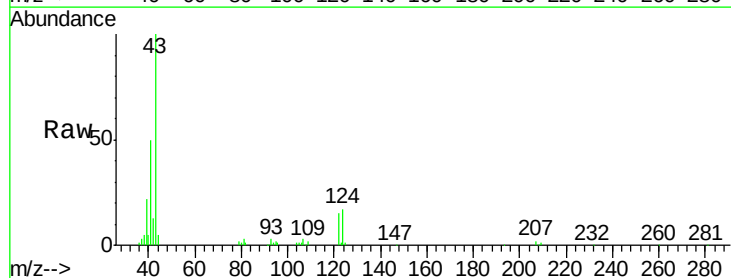
Instrument :
MSVOA_Y
ClientSampleId :
CRT-025

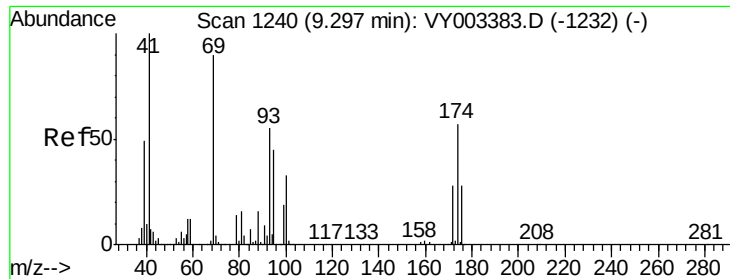
Tot Ion:117 Resp: 41503
Ion Ratio Lower Upper
117 100
119 4.1 76.1 114.1#
121 0.0 24.5 36.7#



#41
Methacrylonitrile
Concen: 20.126 ug/l
RT: 7.27 min Scan# 908
Delta R.T. -0.06 min
Lab File: VY003425.D
Acq: 03 Aug 2020 18:27

Tgt Ion: 41 Resp: 44113
Ion Ratio Lower Upper
41 100
39 41.8 78.3 117.5#
67 0.0 0.0 0.0
52 0.0 0.0 0.0

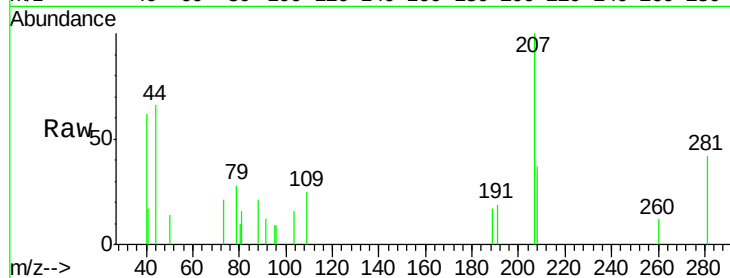




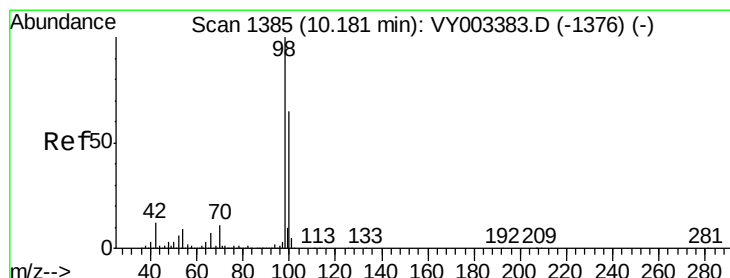
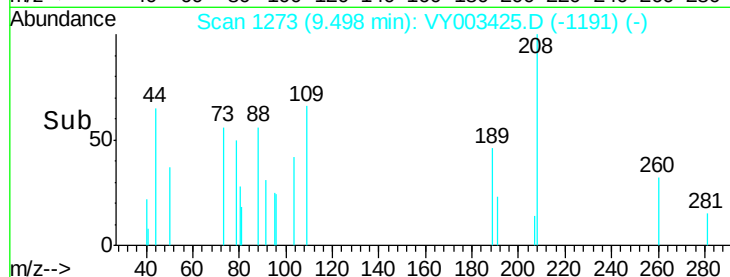
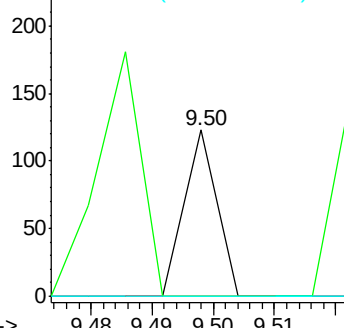
#49
 1,4-Dioxane
 Concen: 1.268 ug/l
 RT: 9.50 min Scan# 1273
 Delta R.T. 0.20 min
 Lab File: VY003425.D
 Acq: 03 Aug 2020 18:27

Instrument :
 MSVOA_Y
 ClientSampleId :
 CRT-025

Tot Ion: 88 Resp: 45
 Ion Ratio Lower Upper
 88 100
 43 202.2 24.9 37.3#
 58 0.0 54.3 81.5#

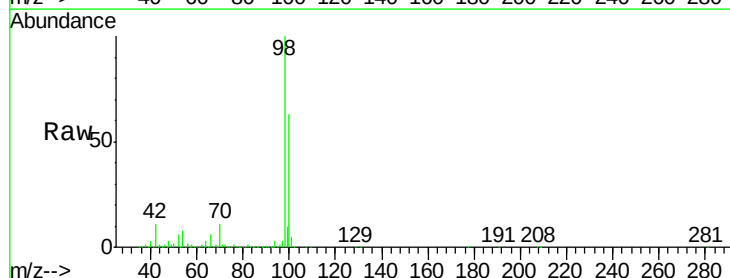


Abundance Ion 88.00 (87.70 to 88.70): VY0
 Ion 43.00 (42.70 to 43.70): VY0
 Ion 58.00 (57.70 to 58.70): VY0

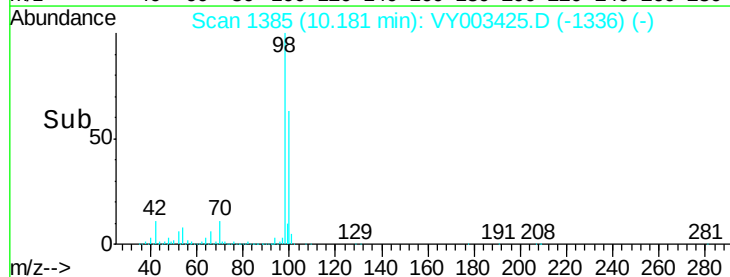
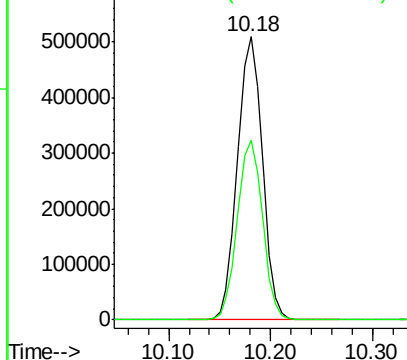


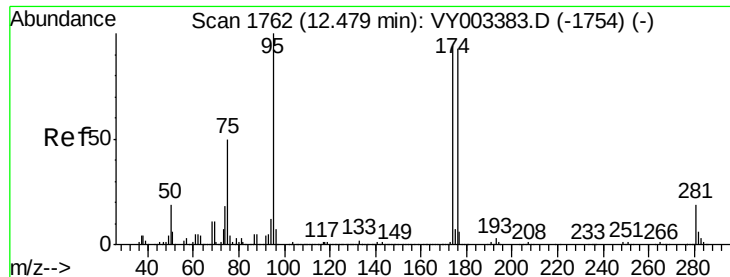
#50
 Toluene-d8
 Concen: 52.729 ug/l
 RT: 10.18 min Scan# 1385
 Delta R.T. -0.00 min
 Lab File: VY003425.D
 Acq: 03 Aug 2020 18:27

Tgt Ion: 98 Resp: 864198
 Ion Ratio Lower Upper
 98 100
 100 63.9 51.3 76.9



Abundance Ion 98.00 (97.70 to 98.70): VY0
 Ion 100.00 (99.70 to 100.70): VY0





#62

4-Bromofluorobenzene

Concen: 50.870 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY003425.D

Acq: 03 Aug 2020 18:27

Instrument :

MSVOA_Y

ClientSampleId :

CRT-025

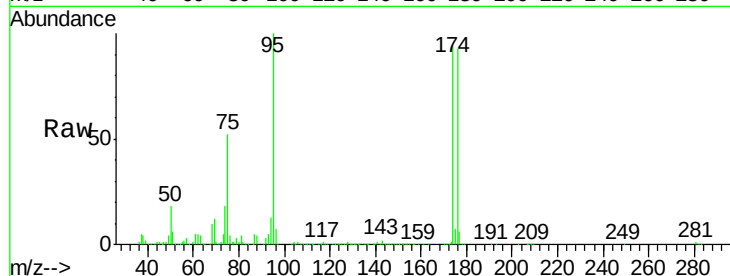
Tot Ion: 95 Resp: 284864

Ion Ratio Lower Upper

95 100

174 96.1 0.0 190.0

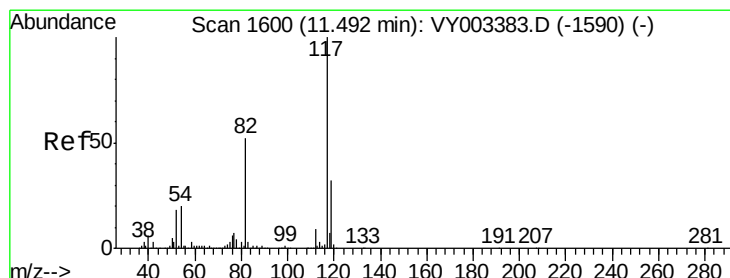
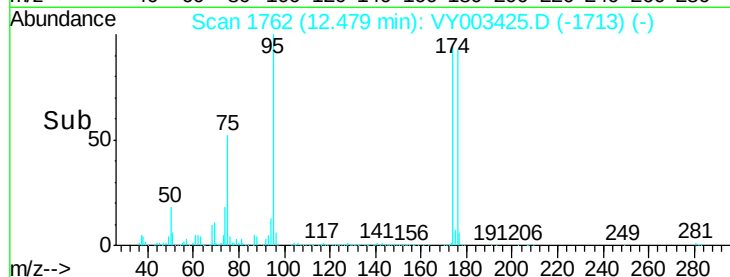
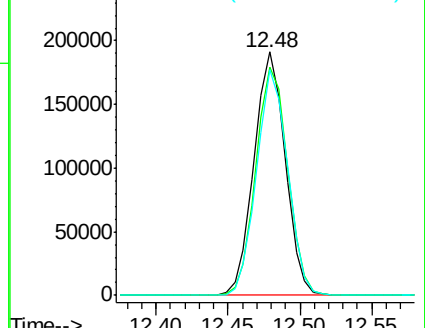
176 92.6 0.0 184.4



Abundance Ion 94.90 (94.60 to 95.60): VY003383.D (-1754) (-)

Ion 173.80 (173.50 to 174.50): VY003383.D (-1754) (-)

Ion 175.80 (175.50 to 176.50): VY003383.D (-1754) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1599

Delta R.T. -0.01 min

Lab File: VY003425.D

Acq: 03 Aug 2020 18:27

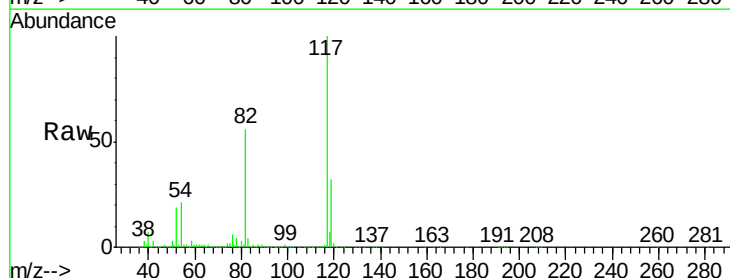
Tgt Ion: 117 Resp: 660659

Ion Ratio Lower Upper

117 100

82 56.2 41.9 62.9

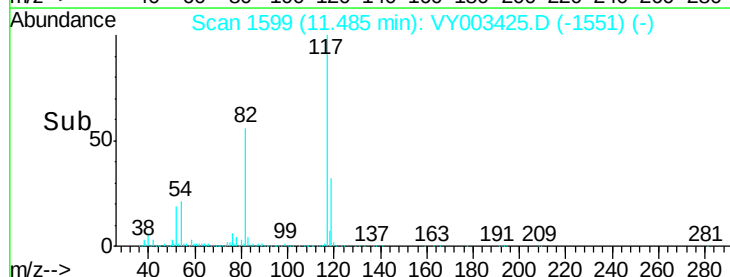
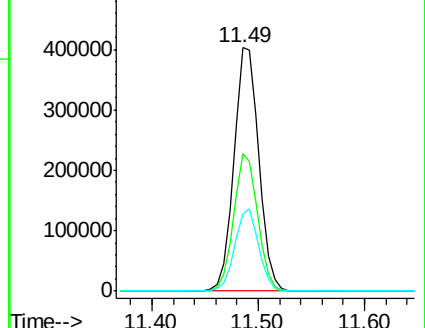
119 31.6 25.4 38.0

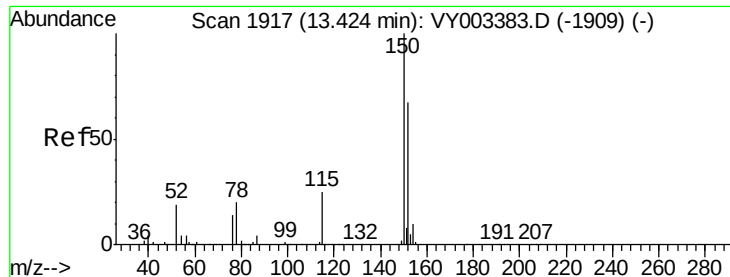


Abundance Ion 116.90 (116.60 to 117.60): VY003383.D (-1590) (-)

Ion 82.00 (81.70 to 82.70): VY003383.D (-1590) (-)

Ion 118.90 (118.60 to 119.60): VY003383.D (-1590) (-)



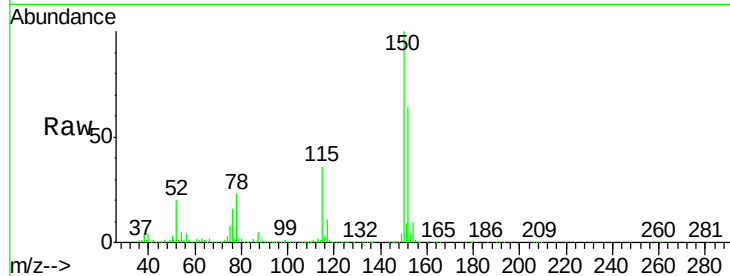


#72

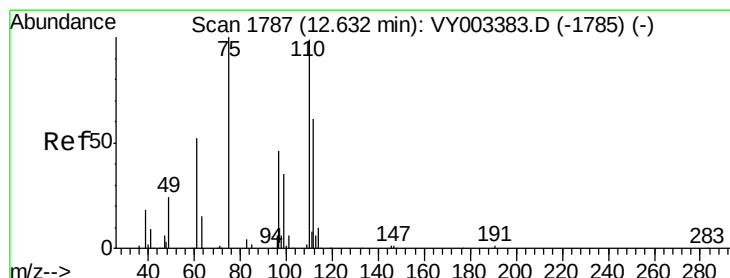
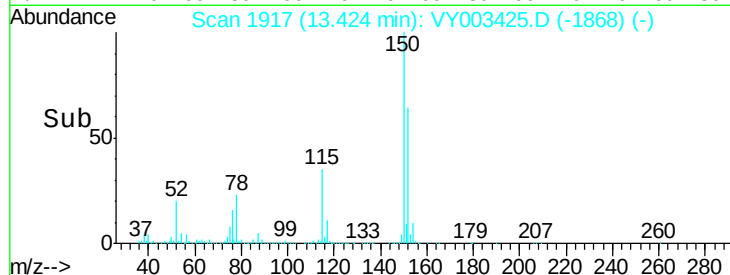
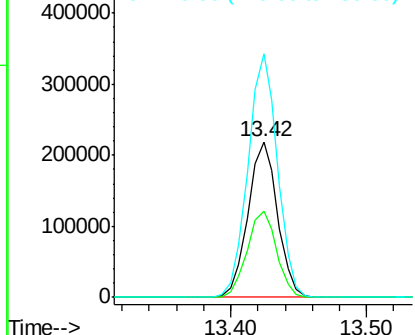
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY003425.D
Acq: 03 Aug 2020 18:27

Instrument :
MSVOA_Y
ClientSampleId :
CRT-025

Tot Ion:152 Resp: 331948
Ion Ratio Lower Upper
152 100
115 55.7 27.2 81.5
150 156.6 0.0 346.8



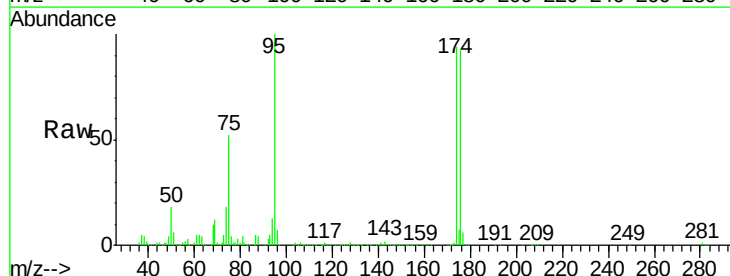
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



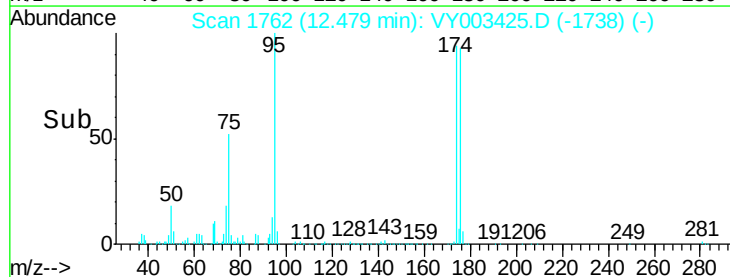
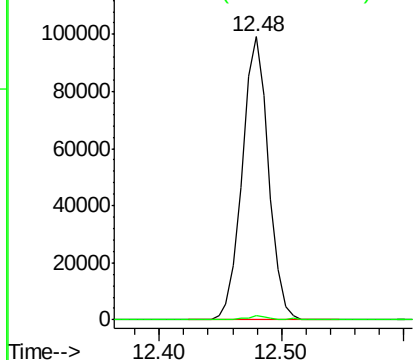
#76

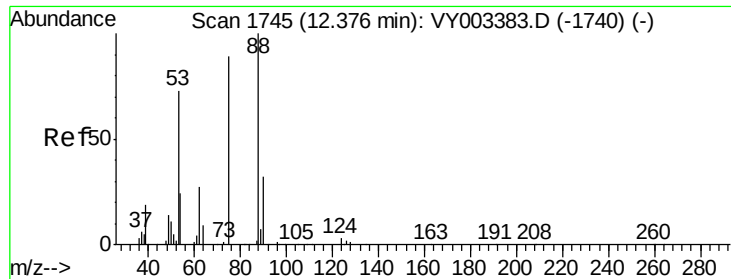
1,2,3-Trichloropropane
Concen: 49.401 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.15 min
Lab File: VY003425.D
Acq: 03 Aug 2020 18:27

Tgt Ion: 75 Resp: 147315
Ion Ratio Lower Upper
75 100
77 1.1 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: 93.429 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY003425.D

Acq: 03 Aug 2020 18:27

Instrument :

MSVOA_Y

ClientSampleId :

CRT-025

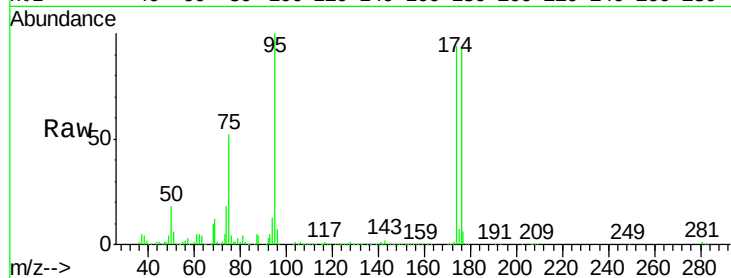
Tot Ion: 75 Resp: 147315

Ion Ratio Lower Upper

75 100

53 0.4 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

