

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX042220\
 Data File : VX015843.D
 Acq On : 22 Apr 2020 15:53
 Operator : JC/SP
 Sample : L2379-10
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 Z3-TB8-200420

Quant Time: Apr 23 04:51:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042220W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 23 04:36:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	891098	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1406613	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1362055	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	754164	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.04	65	503435	49.67	ug/l	0.00
Spiked Amount			Recovery	=	99.34%	
35) Dibromofluoromethane	5.47	113	405366	49.93	ug/l	0.00
Spiked Amount			Recovery	=	99.86%	
50) Toluene-d8	8.70	98	1685203	51.56	ug/l	0.00
Spiked Amount			Recovery	=	103.12%	
62) 4-Bromofluorobenzene	11.12	95	705549	52.62	ug/l	0.00
Spiked Amount			Recovery	=	105.24%	

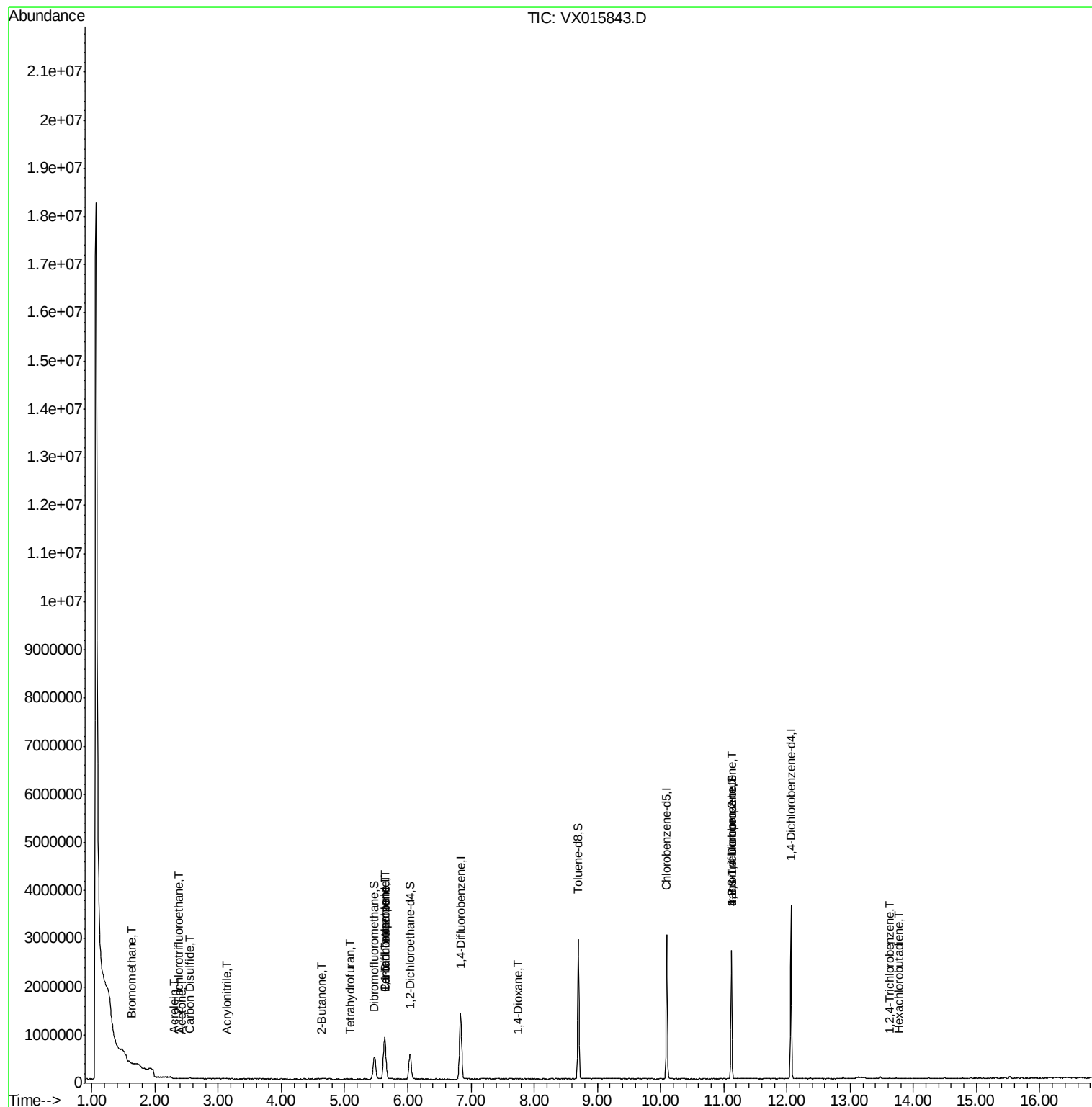
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.63	94	793	0.261	ug/l #	2
9) 1,1,2-Trichlorotrifluoroet	2.37	101	1708	0.224	ug/l #	50
13) Acrolein	2.29	56	849	0.693	ug/l #	45
15) Acrylonitrile	3.13	53	1087	0.226	ug/l #	43
16) Acetone	2.42	43	5622	1.274	ug/l	97
17) Carbon Disulfide	2.56	76	23996	0.847	ug/l	100
25) 2-Butanone	4.63	43	1941	0.278	ug/l #	65
29) Tetrahydrofuran	5.08	42	1148	0.249	ug/l #	35
36) 1,1-Dichloropropene	5.64	75	59147	4.743	ug/l #	53
38) Carbon Tetrachloride	5.63	117	80689	6.569	ug/l #	15
49) 1,4-Dioxane	7.74	88	1215	5.221	ug/l #	40
76) 1,2,3-Trichloropropane	11.12	75	341027	23.780	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	341027	57.203	ug/l #	12
93) 1,2,4-Trichlorobenzene	13.63	180	3917	0.218	ug/l	90
94) Hexachlorobutadiene	13.77	225	2097	0.261	ug/l	83

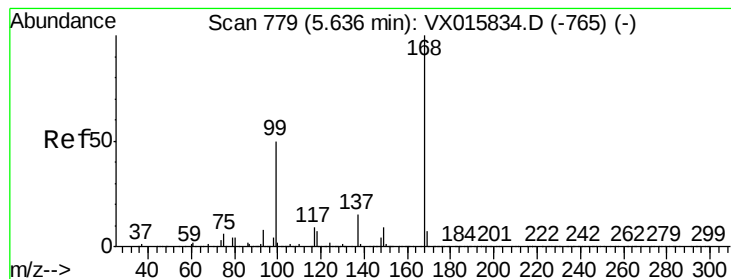
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Apr 23 04:36:12 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 779

Delta R.T. 0.00 min

Lab File: VX015843.D

Acq: 22 Apr 2020 15:53

Instrument :

MSVOA_X

ClientSampleId :

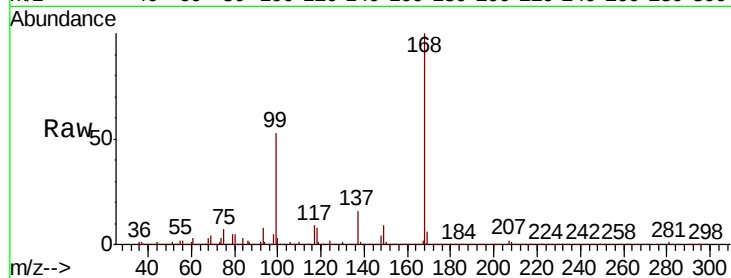
Z3-TB8-200420

Tot Ion:168 Resp: 891098

Ion Ratio Lower Upper

168 100

99 52.9 40.3 60.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

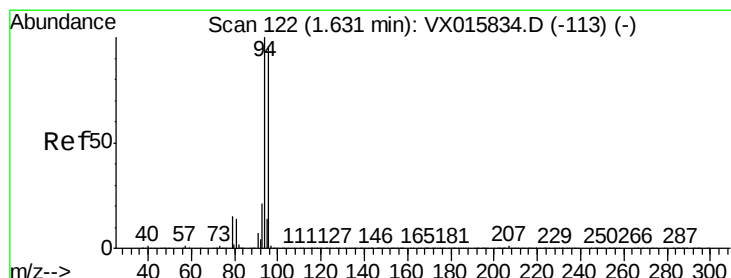
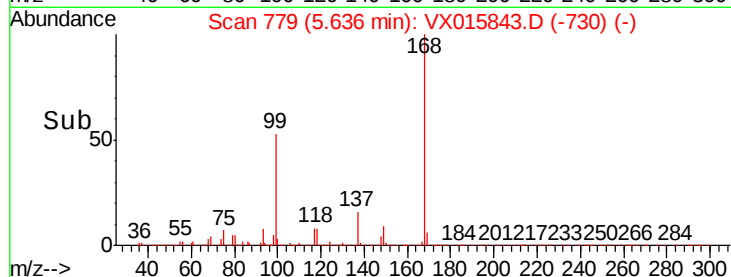
300000

200000

100000

0

Time-->



#5

Bromomethane

Concen: 0.261 ug/l

RT: 1.63 min Scan# 122

Delta R.T. 0.00 min

Lab File: VX015843.D

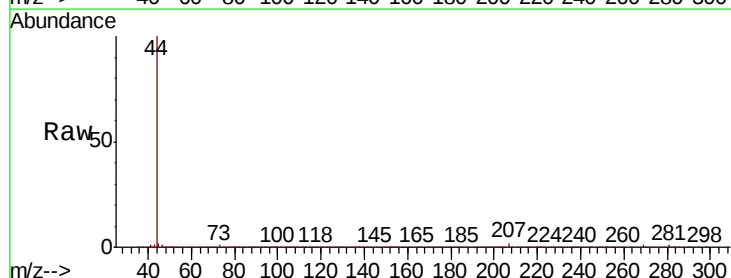
Acq: 22 Apr 2020 15:53

Tgt Ion: 94 Resp: 793

Ion Ratio Lower Upper

94 100

96 0.0 76.7 115.1#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

2000

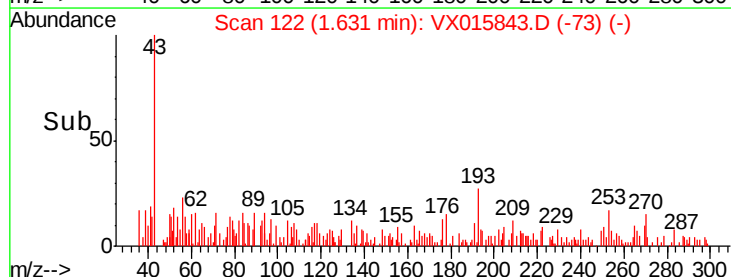
1500

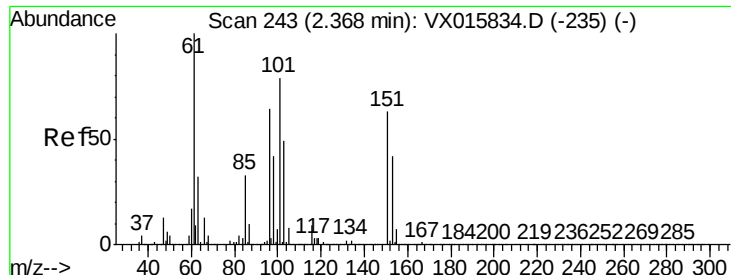
1000

500

0

Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.224 ug/l

RT: 2.37 min Scan# 244

Delta R.T. 0.01 min

Lab File: VX015843.D

Acq: 22 Apr 2020 15:53

Instrument :

MSVOA_X

ClientSampleId :

Z3-TB8-200420

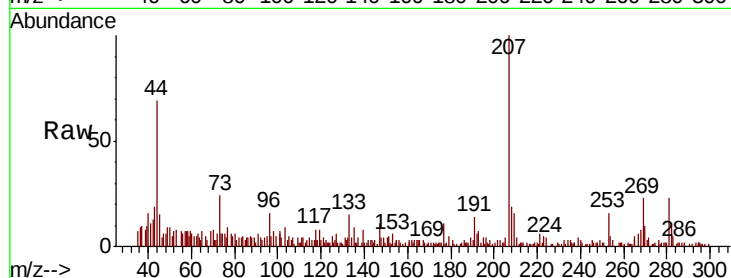
Tot Ion:101 Resp: 1708

Ion Ratio Lower Upper

101 100

85 0.0 33.8 50.6#

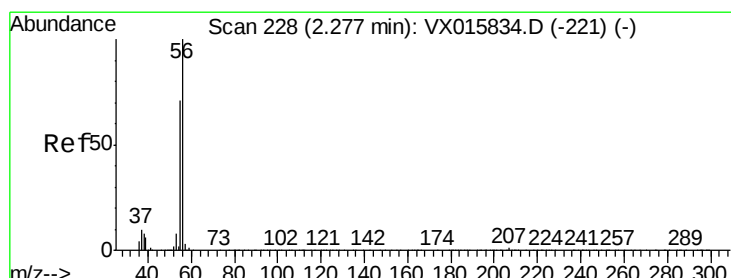
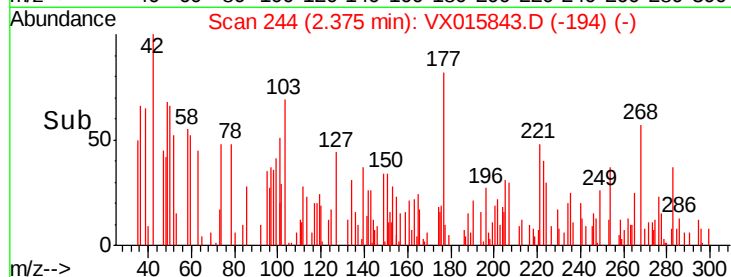
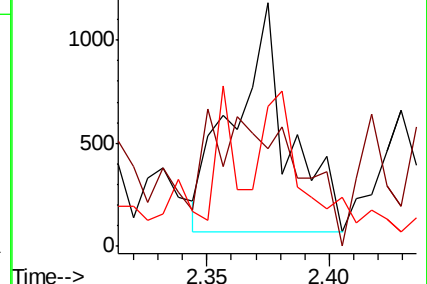
151 46.8 67.8 101.6#



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#13

Acrolein

Concen: 0.693 ug/l

RT: 2.29 min Scan# 230

Delta R.T. 0.01 min

Lab File: VX015843.D

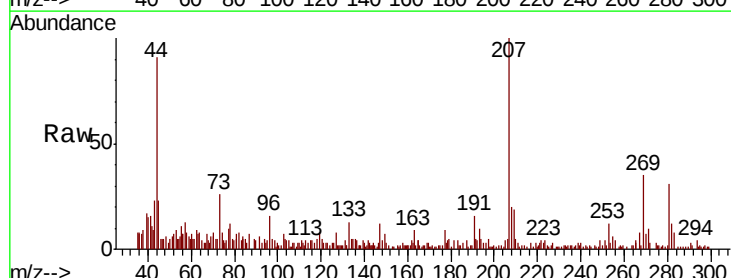
Acq: 22 Apr 2020 15:53

Tgt Ion: 56 Resp: 849

Ion Ratio Lower Upper

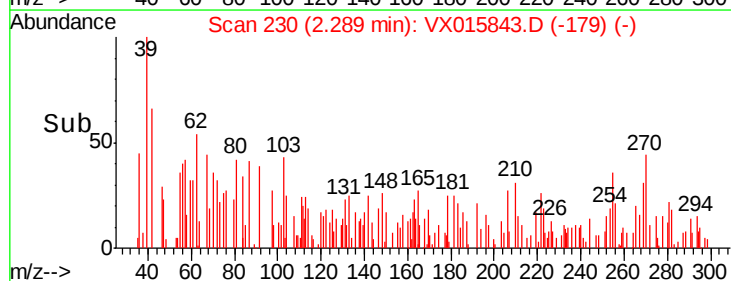
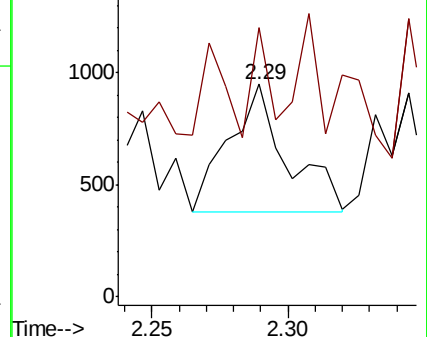
56 100

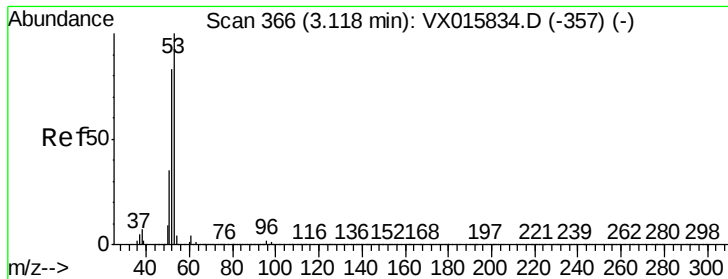
55 24.9 56.1 84.1#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0





#15

Acrylonitrile

Concen: 0.226 ug/l

RT: 3.13 min Scan# 368

Delta R.T. 0.01 min

Lab File: VX015843.D

Acq: 22 Apr 2020 15:53

Instrument :

MSVOA_X

ClientSampleId :

Z3-TB8-200420

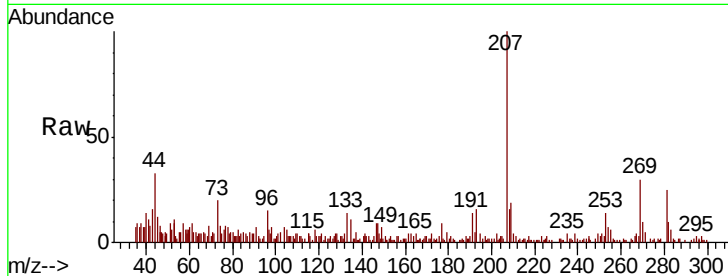
Tot Ion: 53 Resp: 1087

Ion Ratio Lower Upper

53 100

52 132.5 66.2 99.4#

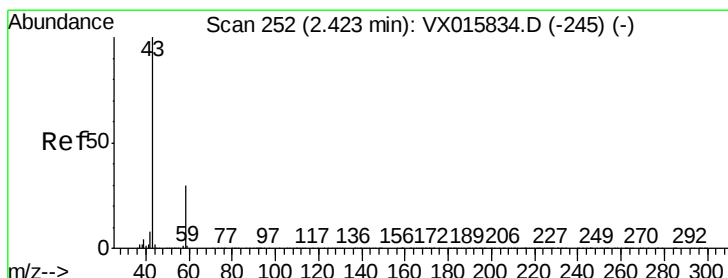
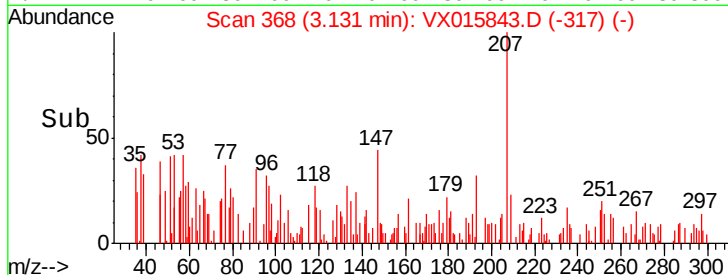
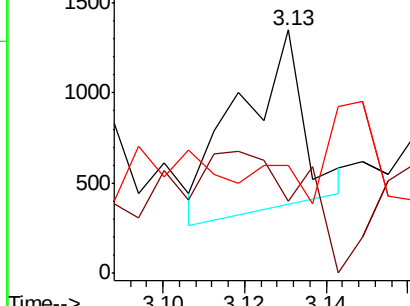
51 0.0 28.6 43.0#



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 1.274 ug/l

RT: 2.42 min Scan# 251

Delta R.T. -0.01 min

Lab File: VX015843.D

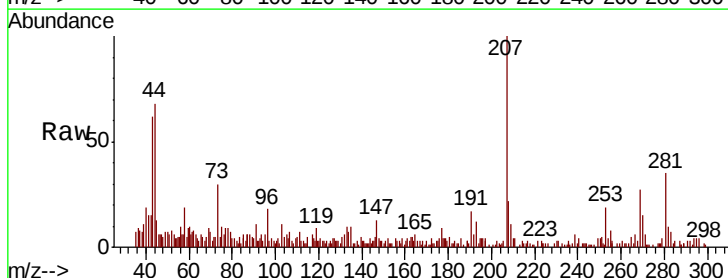
Acq: 22 Apr 2020 15:53

Tgt Ion: 43 Resp: 5622

Ion Ratio Lower Upper

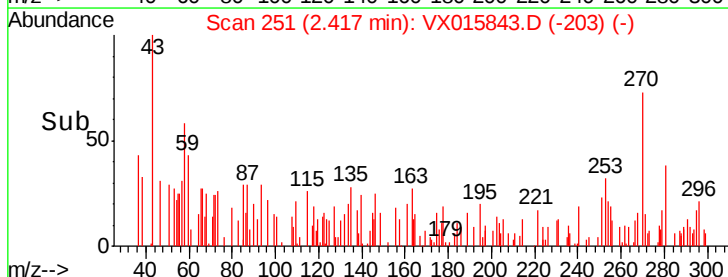
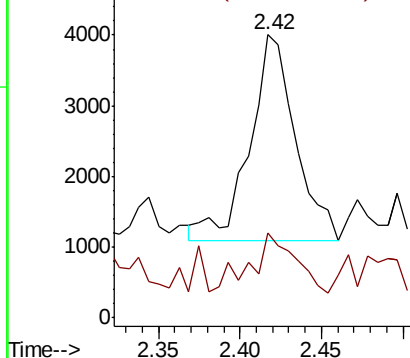
43 100

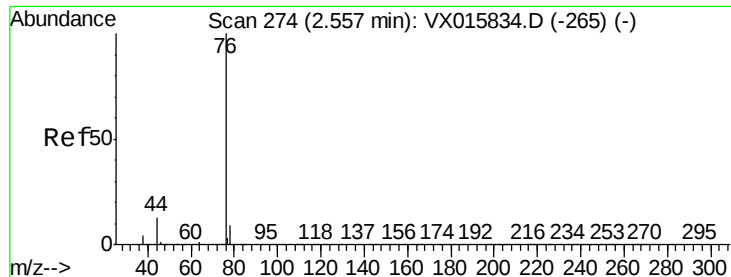
58 28.5 24.0 36.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 0.847 ug/l

RT: 2.56 min Scan# 274

Delta R.T. 0.00 min

Lab File: VX015843.D

Acq: 22 Apr 2020 15:53

Instrument :

MSVOA_X

ClientSampleId :

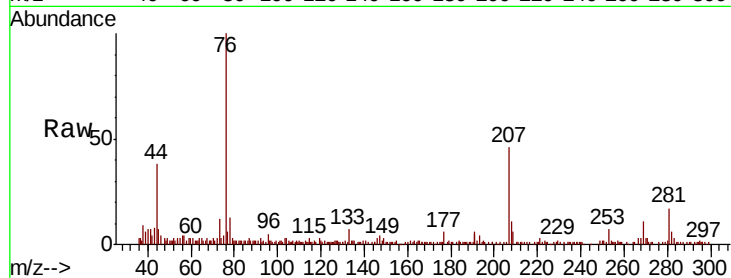
Z3-TB8-200420

Tot Ion: 76 Resp: 23996

Ion Ratio Lower Upper

76 100

78 9.4 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.56

15000

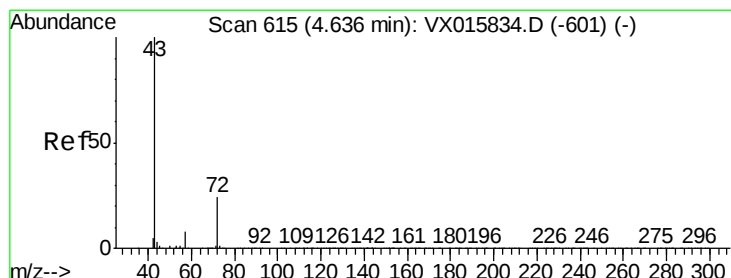
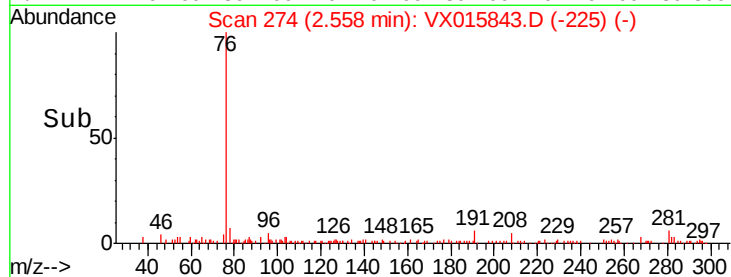
10000

5000

0

Time-->

2.50 2.55 2.60



#25

2-Butanone

Concen: 0.278 ug/l

RT: 4.63 min Scan# 614

Delta R.T. -0.01 min

Lab File: VX015843.D

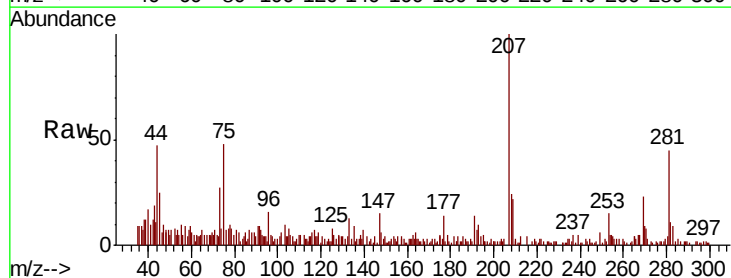
Acq: 22 Apr 2020 15:53

Tgt Ion: 43 Resp: 1941

Ion Ratio Lower Upper

43 100

72 41.6 19.4 29.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

2000

1500

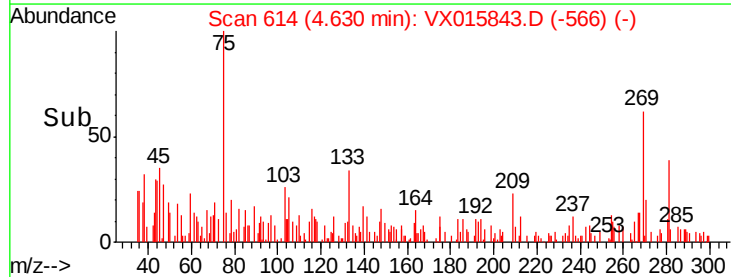
1000

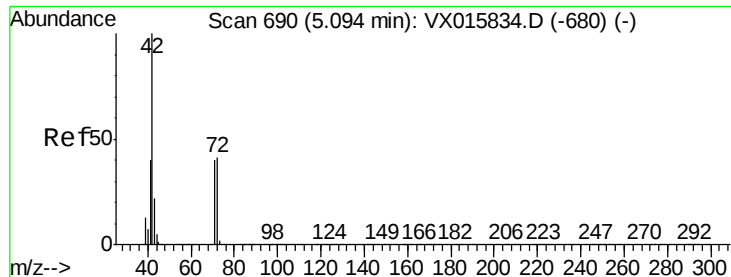
500

0

Time-->

4.60 4.65 4.70





#29

Tetrahydrofuran

Concen: 0.249 ug/l

RT: 5.08 min Scan# 688

Delta R.T. -0.01 min

Lab File: VX015843.D

Acq: 22 Apr 2020 15:53

Instrument :

MSVOA_X

ClientSampleId :

Z3-TB8-200420

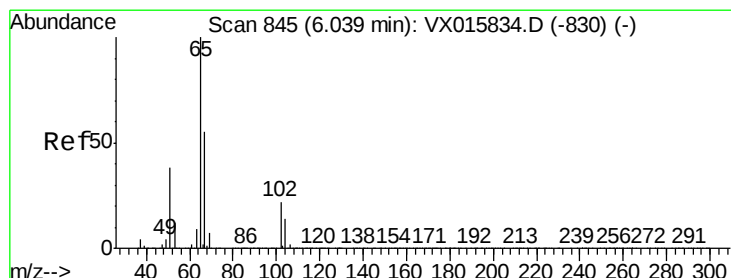
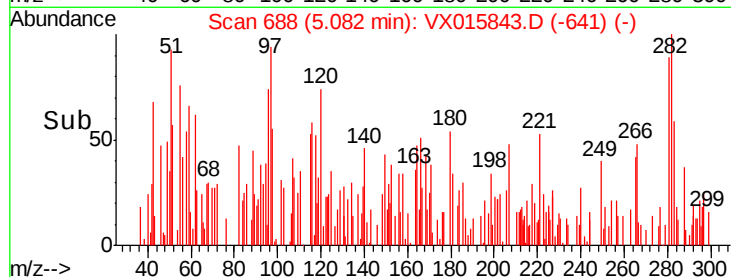
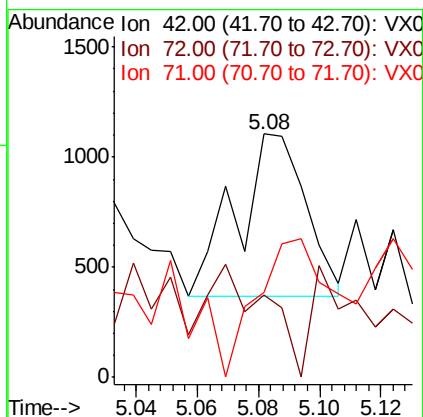
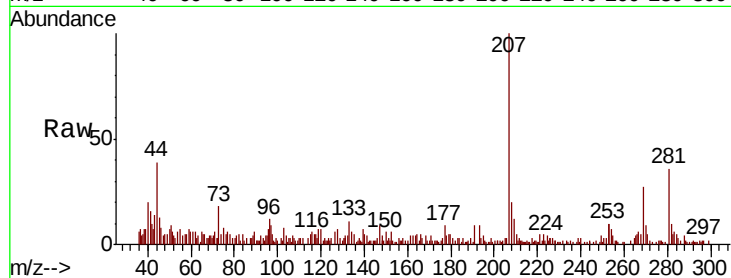
Tot Ion: 42 Resp: 1148

Ion Ratio Lower Upper

42 100

72 62.3 33.0 49.6#

71 98.3 30.6 45.8#



#33

1,2-Dichloroethane-d4

Concen: 49.673 ug/l

RT: 6.04 min Scan# 845

Delta R.T. 0.00 min

Lab File: VX015843.D

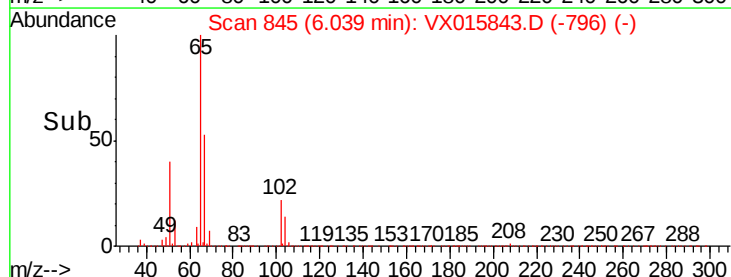
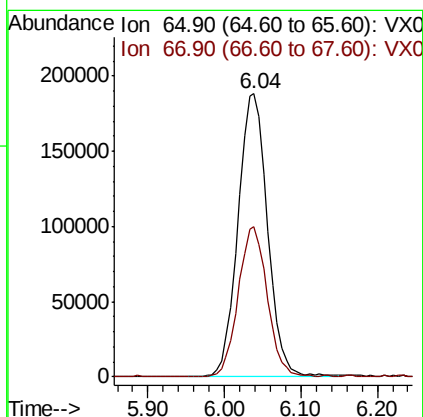
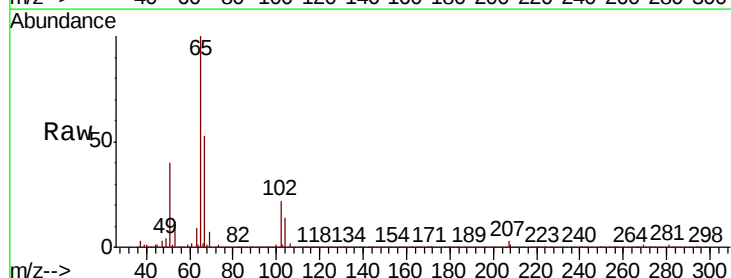
Acq: 22 Apr 2020 15:53

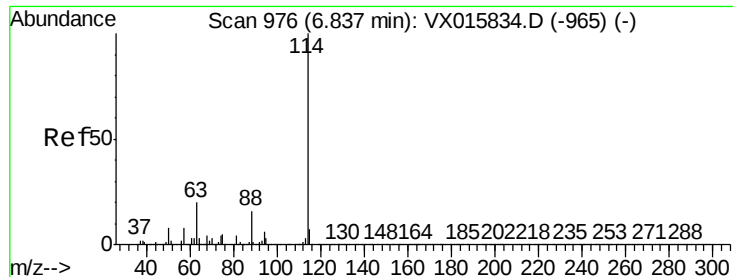
Tgt Ion: 65 Resp: 503435

Ion Ratio Lower Upper

65 100

67 51.9 0.0 104.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 976

Delta R.T. 0.00 min

Lab File: VX015843.D

Acq: 22 Apr 2020 15:53

Instrument :

MSVOA_X

ClientSampleId :

Z3-TB8-200420

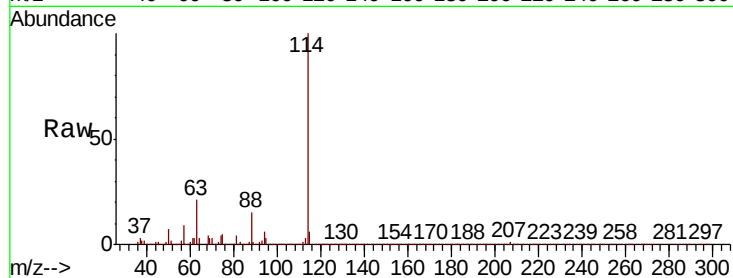
Tot Ion:114 Resp: 1406613

Ion Ratio Lower Upper

114 100

63 20.7 0.0 40.6

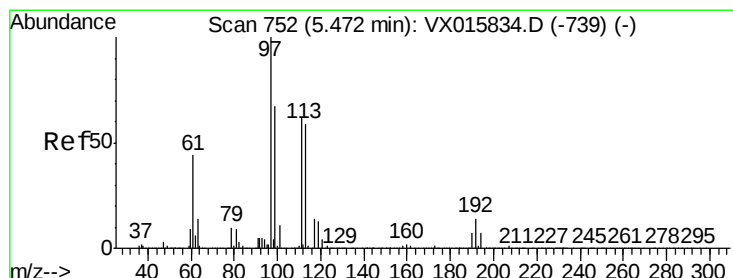
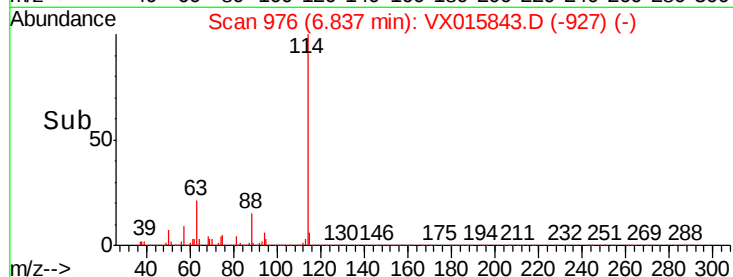
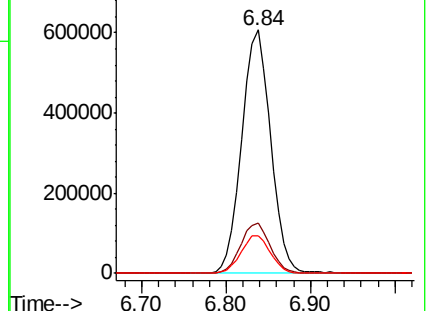
88 15.3 0.0 32.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 49.926 ug/l

RT: 5.47 min Scan# 752

Delta R.T. 0.00 min

Lab File: VX015843.D

Acq: 22 Apr 2020 15:53

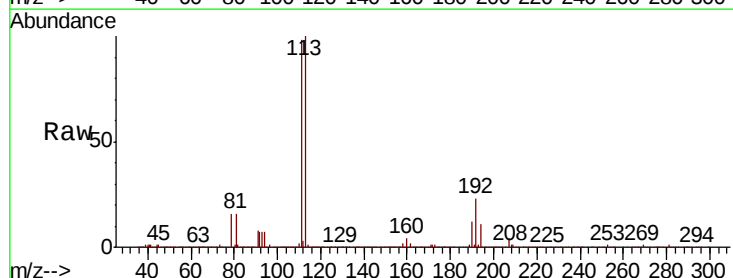
Tgt Ion:113 Resp: 405366

Ion Ratio Lower Upper

113 100

111 100.5 82.7 124.1

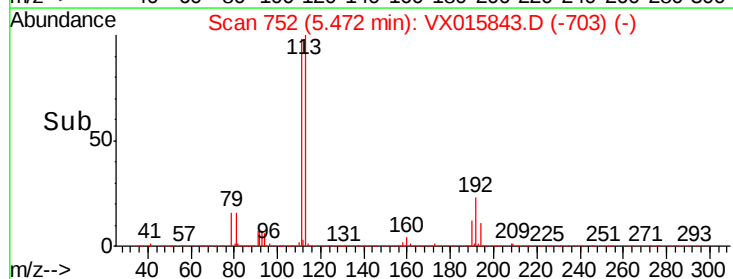
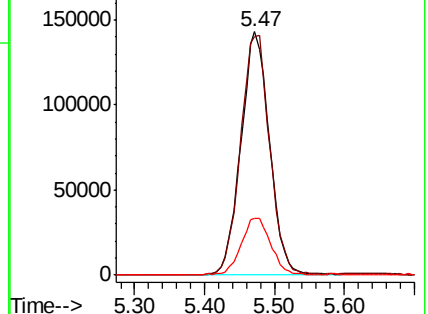
192 23.6 19.3 28.9

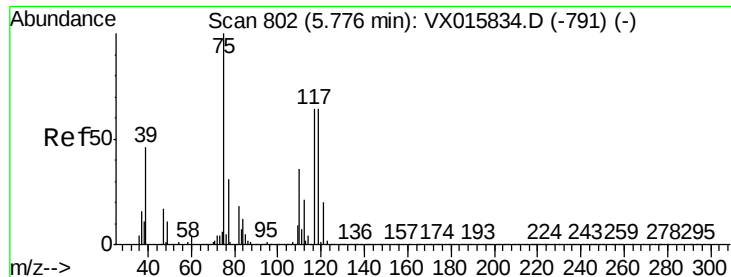


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

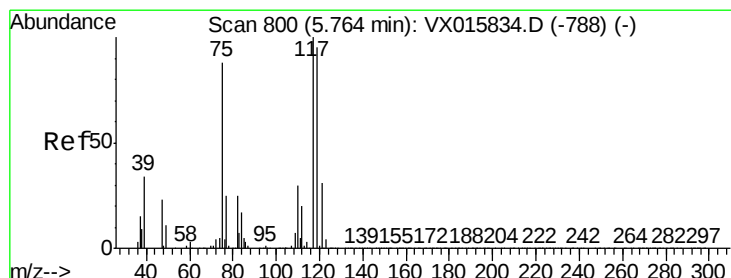
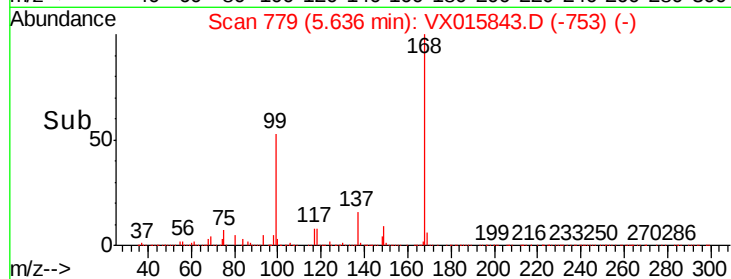
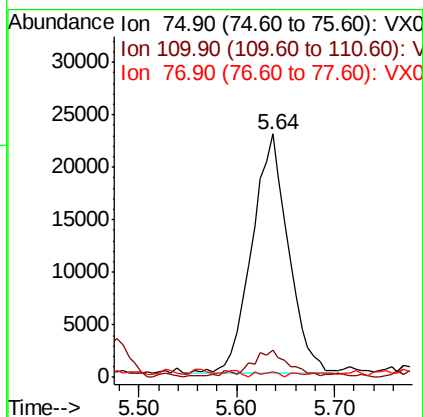
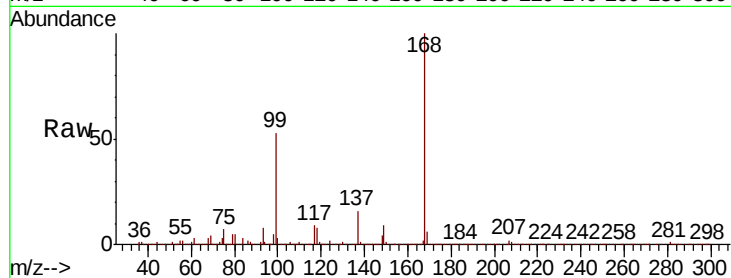




#36
 1,1-Dichloropropene
 Concen: 4.743 ug/l
 RT: 5.64 min Scan# 779
 Delta R.T. -0.14 min
 Lab File: VX015843.D
 Acq: 22 Apr 2020 15:53

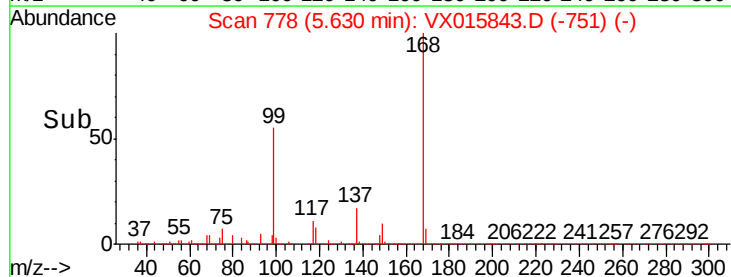
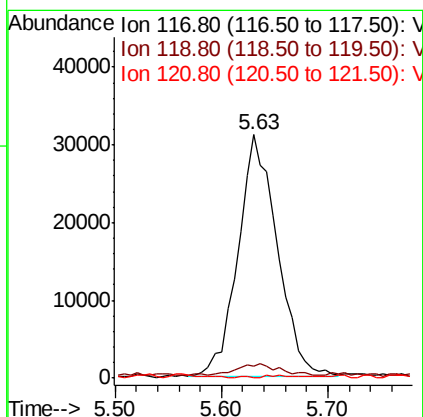
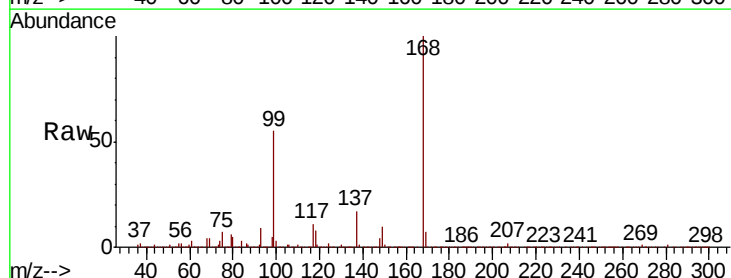
Instrument :
 MSVOA_X
 ClientSampleId :
 Z3-TB8-200420

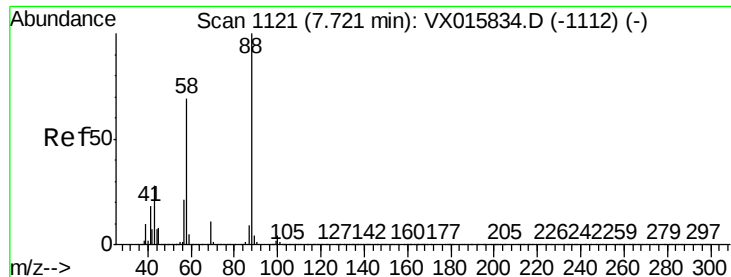
Tot Ion	Ratio	Lower	Upper
75	100		
110	11.1	17.9	53.8#
77	1.3	24.5	36.7#



#38
 Carbon Tetrachloride
 Concen: 6.569 ug/l
 RT: 5.63 min Scan# 778
 Delta R.T. -0.13 min
 Lab File: VX015843.D
 Acq: 22 Apr 2020 15:53

Tgt Ion	Ratio	Lower	Upper
117	100		
119	3.6	75.7	113.5#
121	0.0	25.0	37.6#

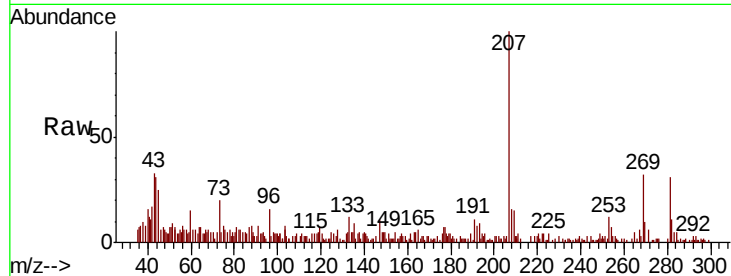




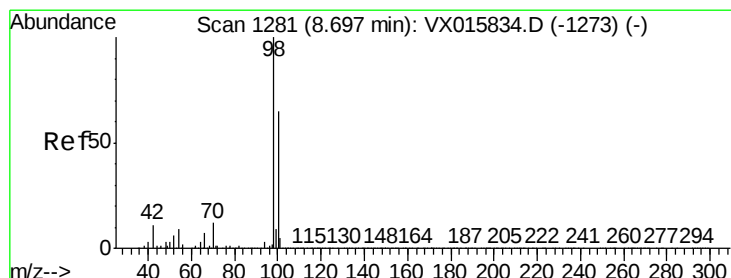
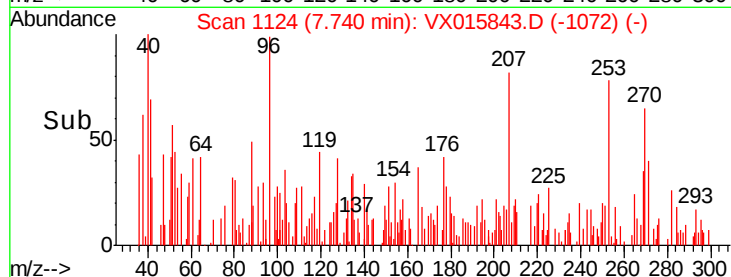
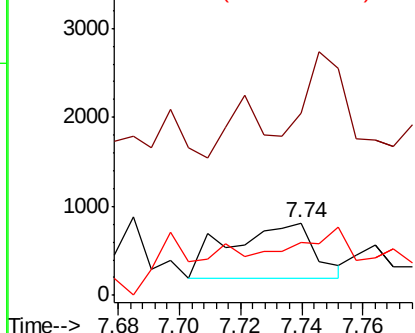
#49
1,4-Dioxane
Concen: 5.221 ug/l
RT: 7.74 min Scan# 1124
Delta R.T. 0.02 min
Lab File: VX015843.D
Acq: 22 Apr 2020 15:53

Instrument :
MSVOA_X
ClientSampleId :
Z3-TB8-200420

Tot Ion: 88 Resp: 1215
Ion Ratio Lower Upper
88 100
43 73.9 28.2 42.4#
58 25.5 58.9 88.3#

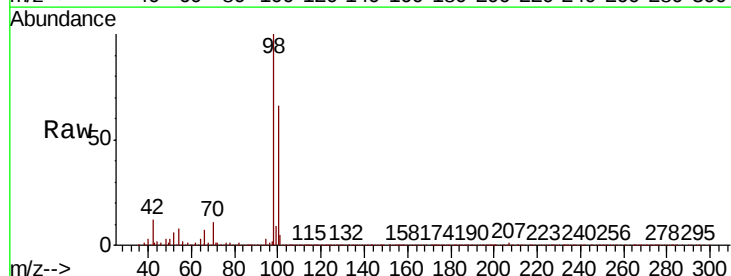


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

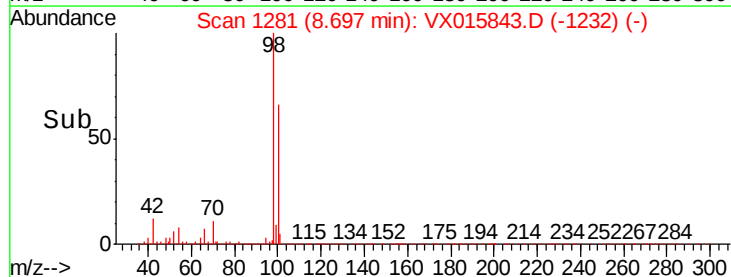
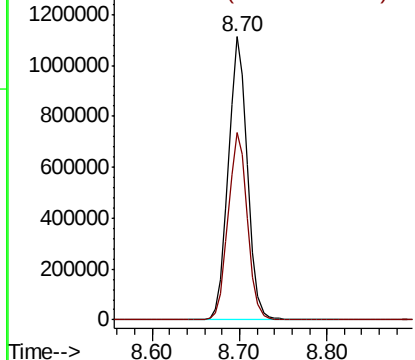


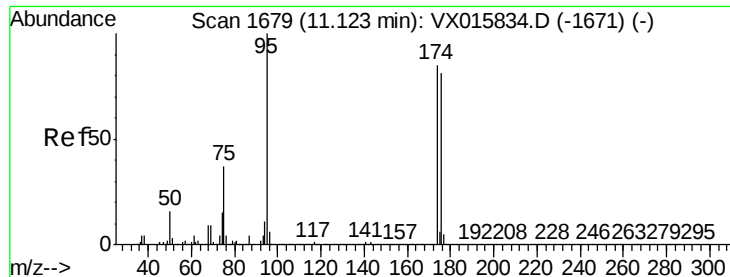
#50
Toluene-d8
Concen: 51.558 ug/l
RT: 8.70 min Scan# 1281
Delta R.T. 0.00 min
Lab File: VX015843.D
Acq: 22 Apr 2020 15:53

Tgt Ion: 98 Resp: 1685203
Ion Ratio Lower Upper
98 100
100 66.8 53.8 80.6



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V

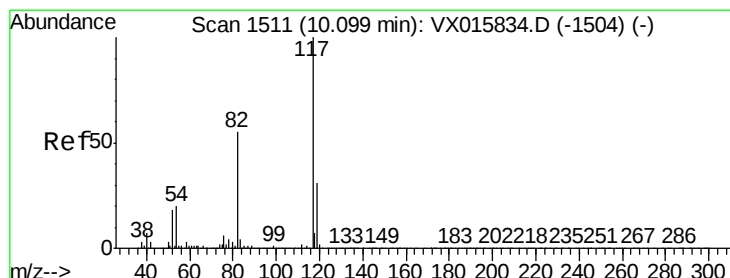
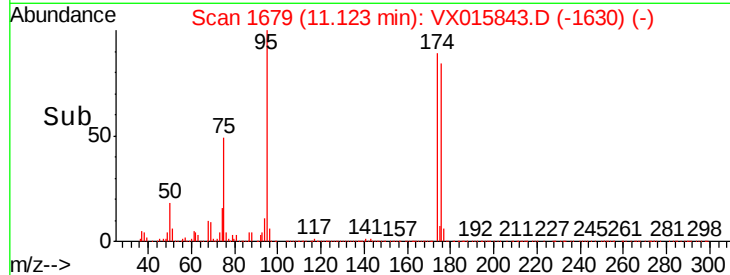
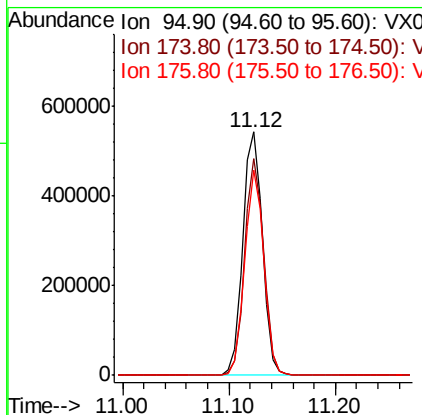
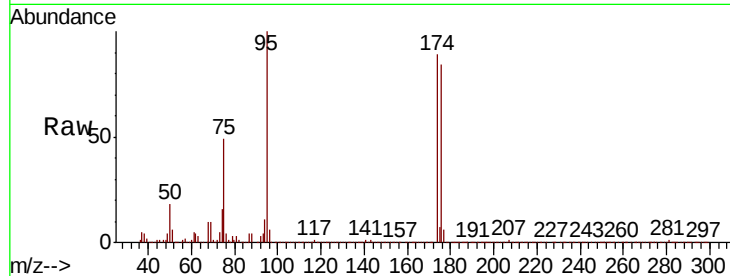




#62
4-Bromofluorobenzene
Concen: 52.620 ug/l
RT: 11.12 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VX015843.D
Acq: 22 Apr 2020 15:53

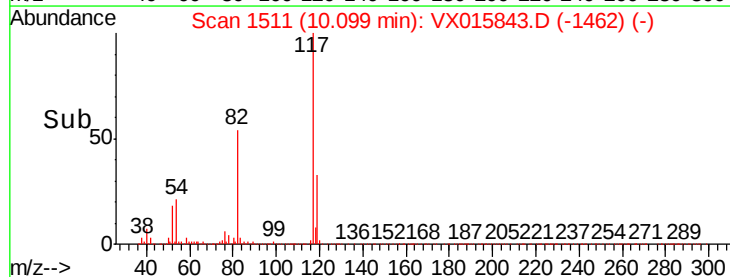
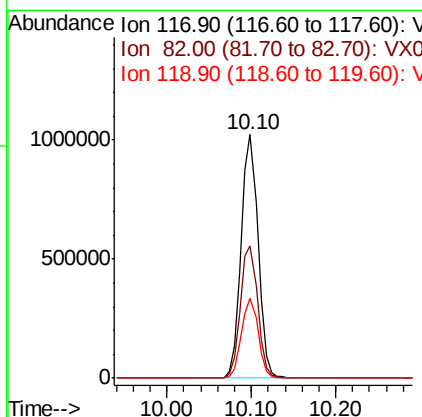
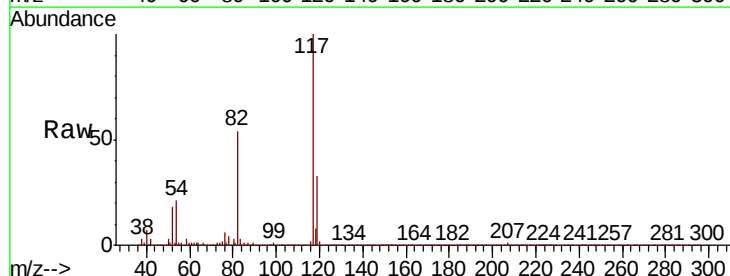
Instrument :
MSVOA_X
ClientSampleId :
Z3-TB8-200420

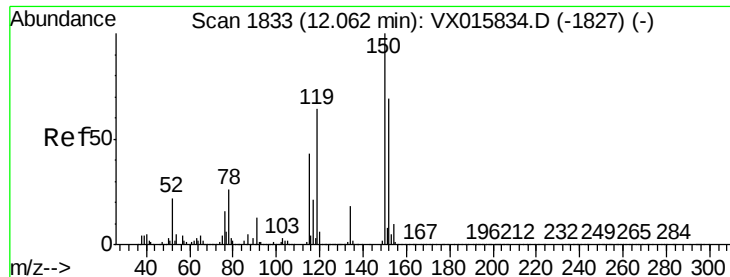
Tot Ion	Ratio	Lower	Upper
95	100		
174	86.8	0.0	172.4
176	82.3	0.0	167.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1511
Delta R.T. 0.00 min
Lab File: VX015843.D
Acq: 22 Apr 2020 15:53

Tgt Ion	Ratio	Lower	Upper
117	100		
82	54.0	43.9	65.9
119	32.7	25.1	37.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX015843.D

Acq: 22 Apr 2020 15:53

Instrument :

MSVOA_X

ClientSampleId :

Z3-TB8-200420

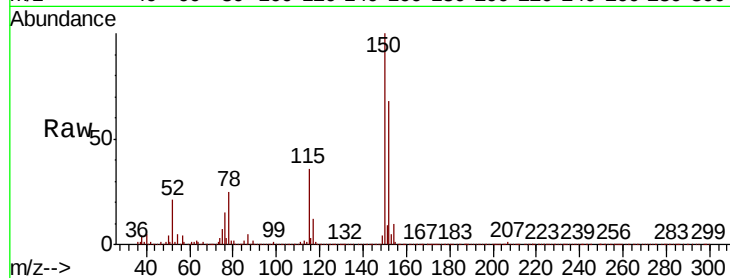
Tot Ion:152 Resp: 754164

Ion Ratio Lower Upper

152 100

115 56.1 39.0 116.9

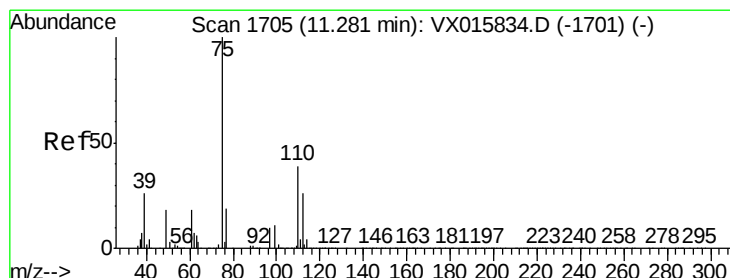
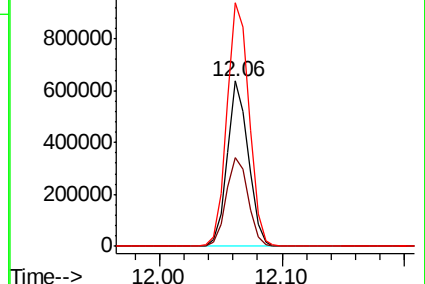
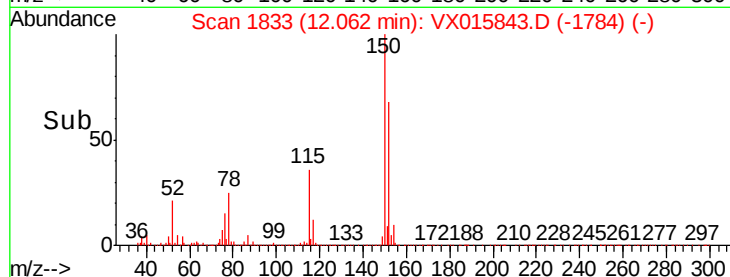
150 155.4 0.0 336.8



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: 23.780 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.16 min

Lab File: VX015843.D

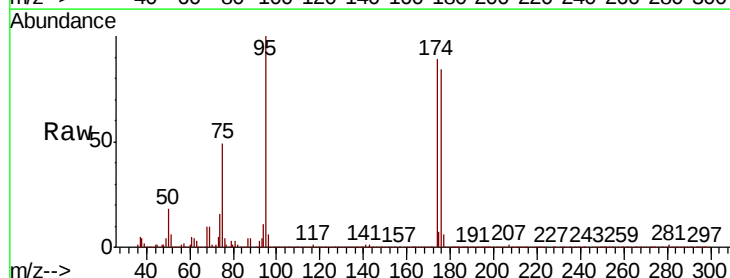
Acq: 22 Apr 2020 15:53

Tgt Ion: 75 Resp: 341027

Ion Ratio Lower Upper

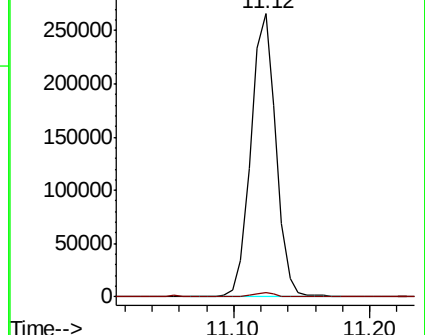
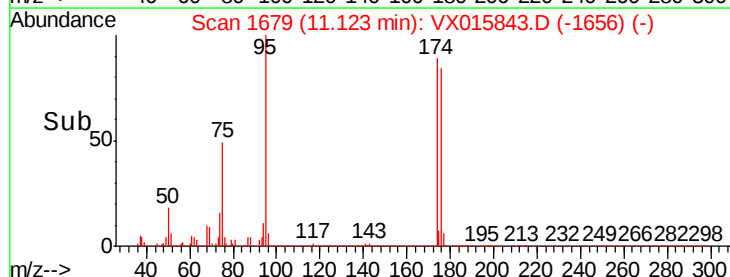
75 100

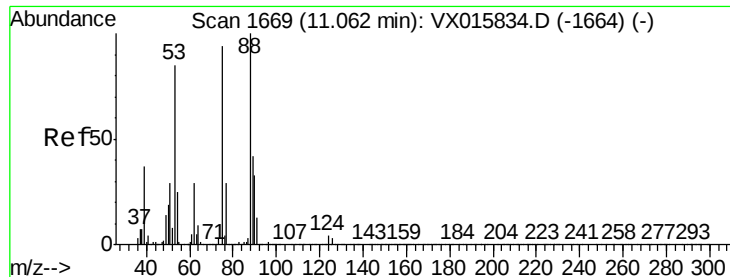
77 1.2 21.3 63.9#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

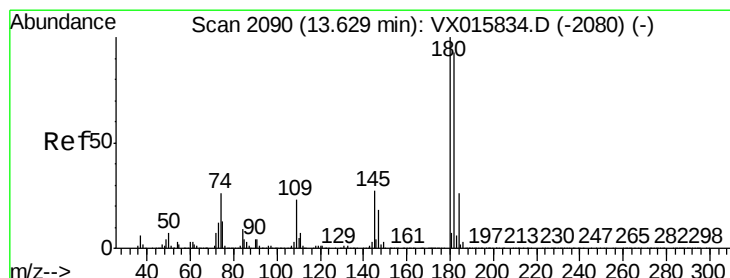
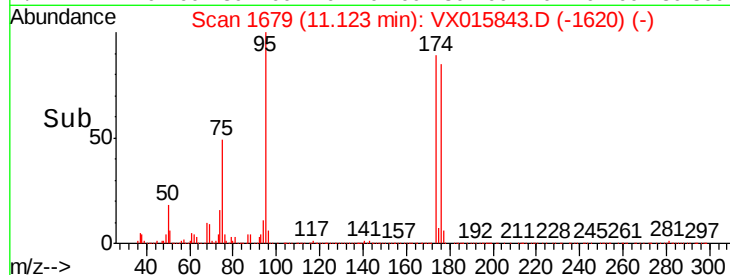
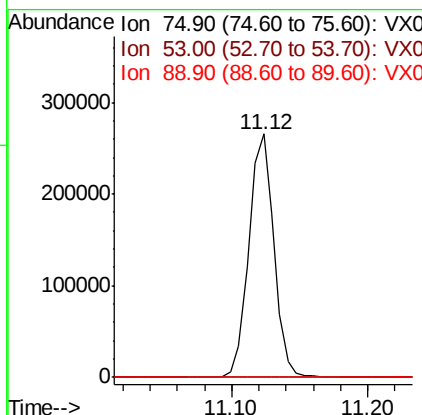
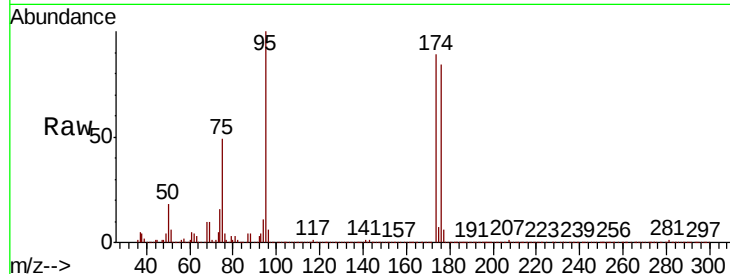




#81
trans-1,4-Dichloro-2-butene
Concen: 57.203 ug/l
RT: 11.12 min Scan# 1679
Delta R.T. 0.06 min
Lab File: VX015843.D
Acq: 22 Apr 2020 15:53

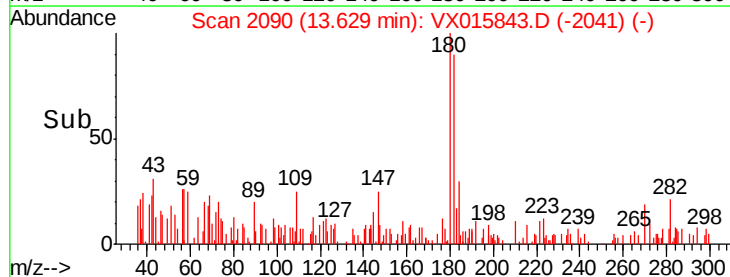
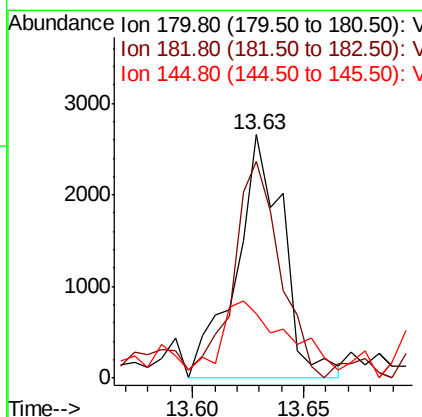
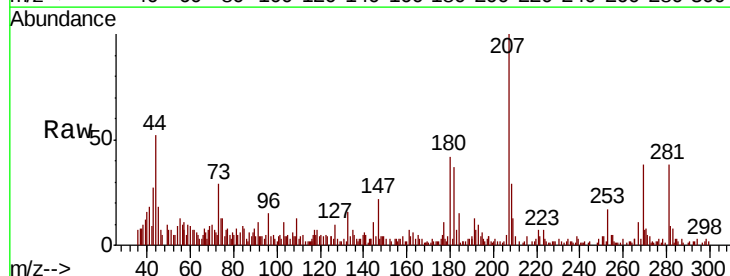
Instrument :
MSVOA_X
ClientSampleId :
Z3-TB8-200420

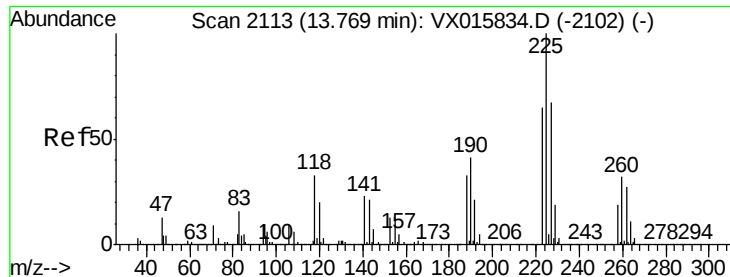
Tot Ion: 75 Resp: 341027
Ion Ratio Lower Upper
75 100
53 0.1 74.2 111.2#
89 0.0 38.0 57.0#



#93
1,2,4-Trichlorobenzene
Concen: 0.218 ug/l
RT: 13.63 min Scan# 2090
Delta R.T. 0.00 min
Lab File: VX015843.D
Acq: 22 Apr 2020 15:53

Tgt Ion: 180 Resp: 3917
Ion Ratio Lower Upper
180 100
182 87.7 47.7 143.1
145 36.9 14.5 43.5





#94

Hexachlorobutadiene

Concen: 0.261 ug/l

RT: 13.77 min Scan# 2113

Delta R.T. 0.00 min

Lab File: VX015843.D

Acq: 22 Apr 2020 15:53

Instrument :

MSVOA_X

ClientSampleId :

Z3-TB8-200420

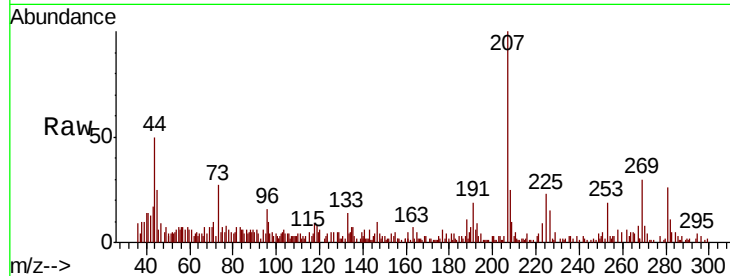
Tot Ion: 225 Resp: 2097

Ion Ratio Lower Upper

225 100

223 77.4 31.3 93.8

227 77.5 32.6 97.8



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

