

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX042120\
 Data File : VX015812.D
 Acq On : 21 Apr 2020 23:04
 Operator : JC/SP
 Sample : VX0421WBL02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0421WBL02

Quant Time: Apr 22 04:23:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032720W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 27 09:35:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	972943	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.84	114	1478039	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1440081	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	804557	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	531970	38.77	ug/l	0.00
Spiked Amount			Recovery	=	77.54%	
35) Dibromofluoromethane	5.47	113	431038	45.62	ug/l	0.00
Spiked Amount			Recovery	=	91.24%	
50) Toluene-d8	8.70	98	1810542	52.05	ug/l	0.00
Spiked Amount			Recovery	=	104.10%	
62) 4-Bromofluorobenzene	11.12	95	761376	53.86	ug/l	0.00
Spiked Amount			Recovery	=	107.72%	

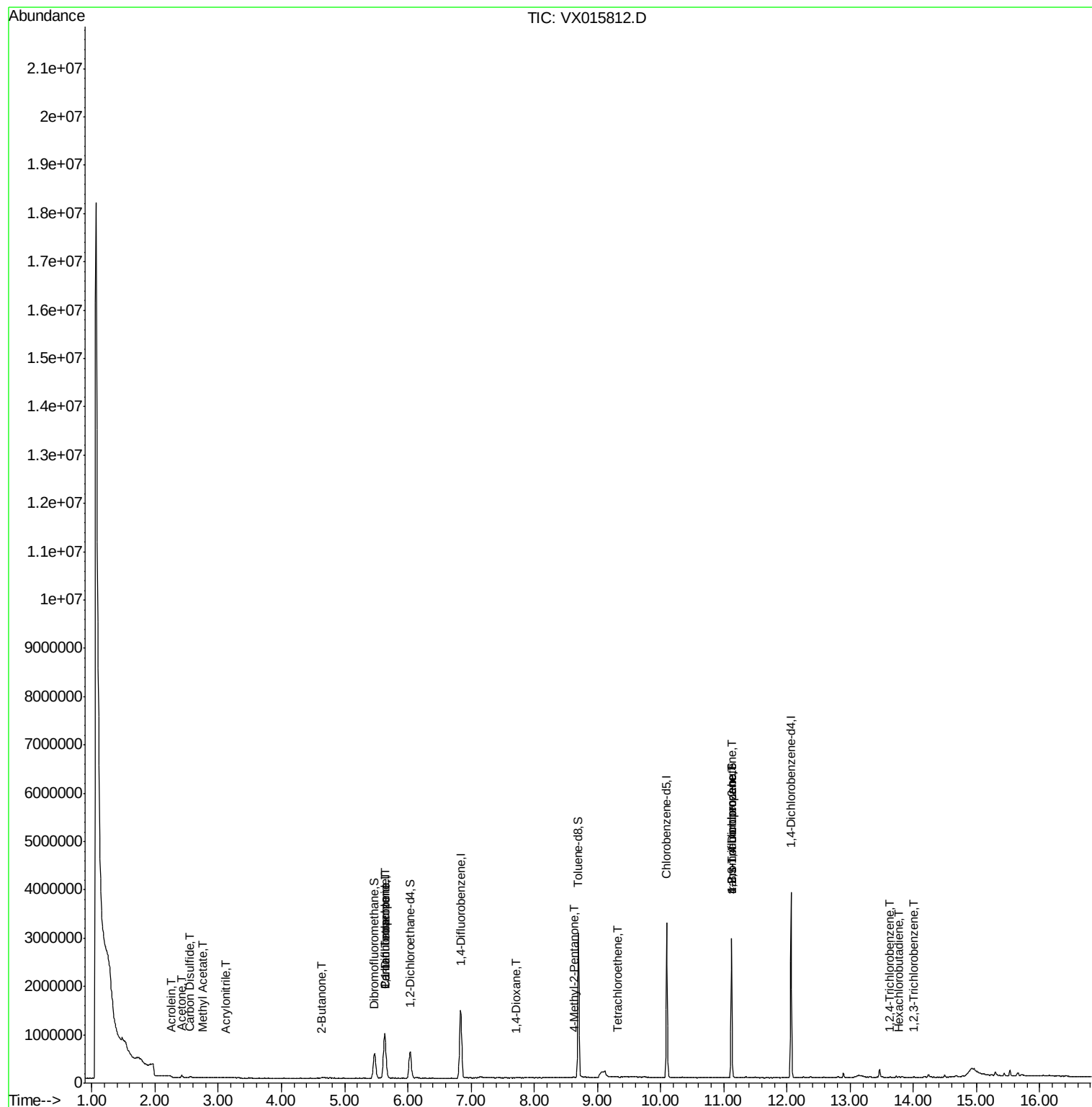
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	740	Below Cal	#	77
13) Acrolein	2.27	56	1549	0.828	ug/l	95
15) Acrylonitrile	3.12	53	1712	0.273	ug/l #	31
16) Acetone	2.42	43	58383	9.903	ug/l	98
17) Carbon Disulfide	2.56	76	39064	1.394	ug/l	97
18) Methyl Acetate	2.76	43	8571	0.570	ug/l	99
25) 2-Butanone	4.64	43	2266	0.239	ug/l	91
36) 1,1-Dichloropropene	5.64	75	67241	4.937	ug/l #	42
38) Carbon Tetrachloride	5.64	117	86295	5.850	ug/l #	15
49) 1,4-Dioxane	7.73	88	4028	14.441	ug/l #	30
51) 4-Methyl-2-Pentanone	8.63	43	5778	0.341	ug/l	99
64) Tetrachloroethene	9.32	164	2295	0.211	ug/l #	76
76) 1,2,3-Trichloropropane	11.12	75	369206	22.315	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	369206	53.544	ug/l #	10
93) 1,2,4-Trichlorobenzene	13.63	180	5469	0.281	ug/l	95
94) Hexachlorobutadiene	13.77	225	3620	0.390	ug/l	92
96) 1,2,3-Trichlorobenzene	14.01	180	5383	0.287	ug/l	81

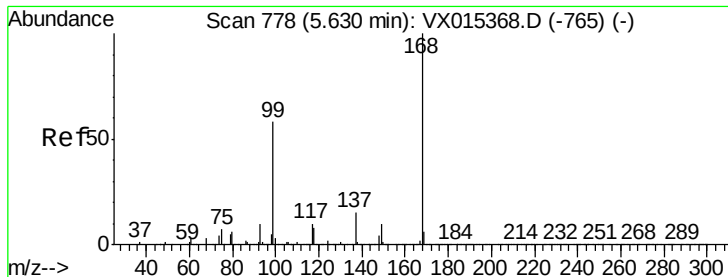
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Mar 27 09:35:51 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 780

Delta R.T. 0.01 min

Lab File: VX015812.D

Acq: 21 Apr 2020 23:04

Instrument :

MSVOA_X

ClientSampleId :

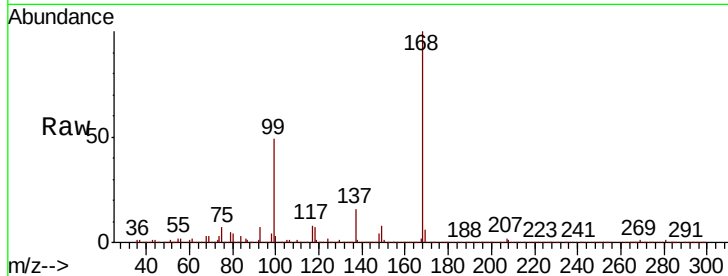
VX0421WBL02

Tot Ion:168 Resp: 972943

Ion Ratio Lower Upper

168 100

99 49.2 46.4 69.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

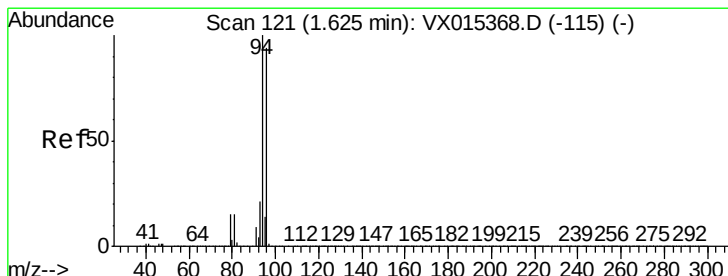
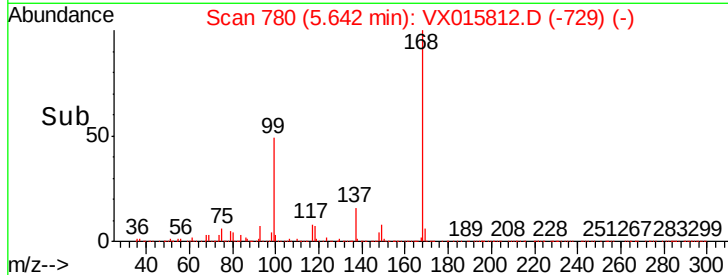
300000

200000

100000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX015812.D

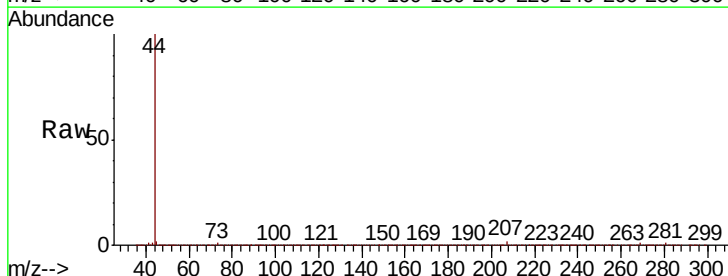
Acq: 21 Apr 2020 23:04

Tgt Ion: 94 Resp: 740

Ion Ratio Lower Upper

94 100

96 71.0 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

2000

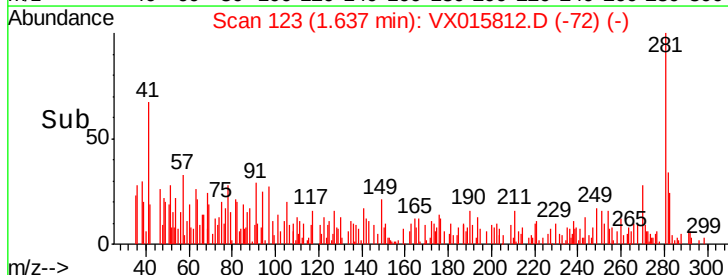
1500

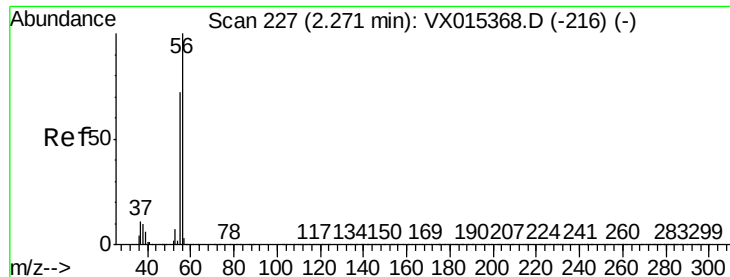
1000

500

0

Time-->





#13

Acrolein

Concen: 0.828 ug/l

RT: 2.27 min Scan# 227

Delta R.T. -0.00 min

Lab File: VX015812.D

Acq: 21 Apr 2020 23:04

Instrument :

MSVOA_X

ClientSampleId :

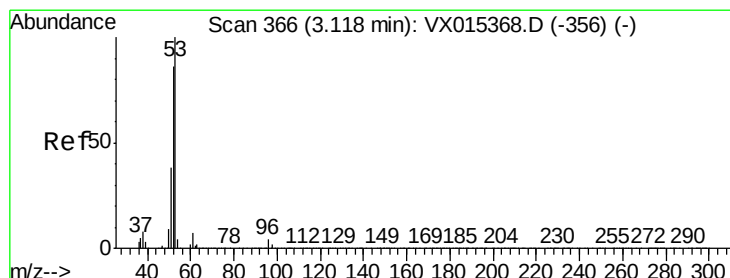
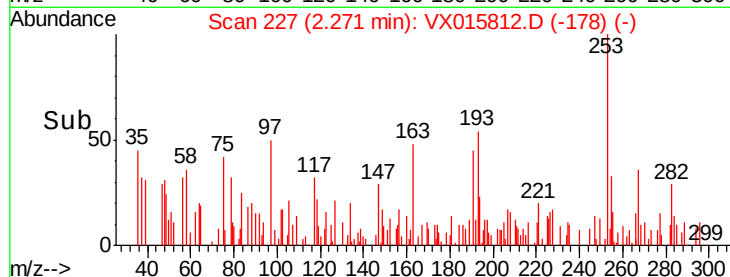
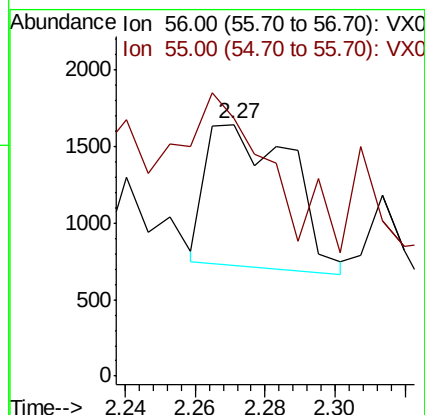
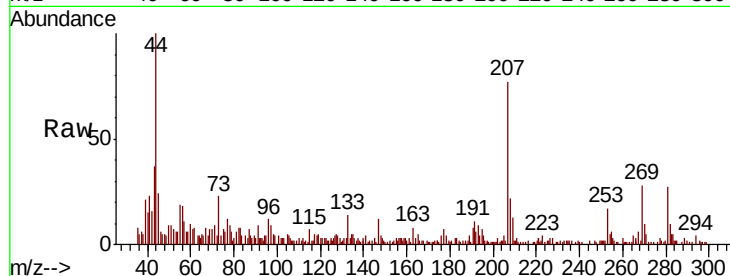
VX0421WBL02

Tot Ion: 56 Resp: 1549

Ion Ratio Lower Upper

56 100

55 67.3 57.0 85.4



#15

Acrylonitrile

Concen: 0.273 ug/l

RT: 3.12 min Scan# 366

Delta R.T. -0.00 min

Lab File: VX015812.D

Acq: 21 Apr 2020 23:04

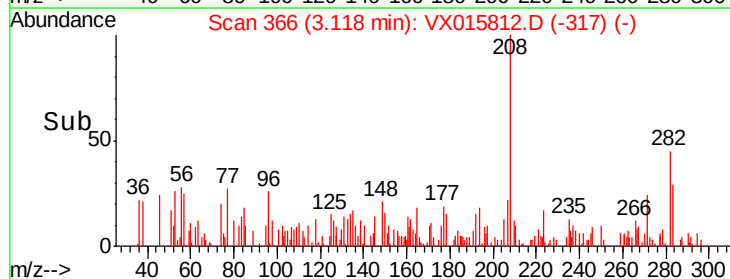
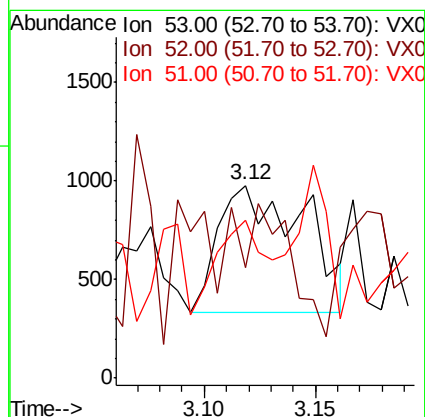
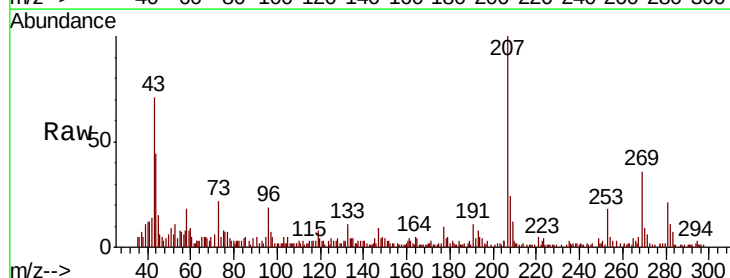
Tgt Ion: 53 Resp: 1712

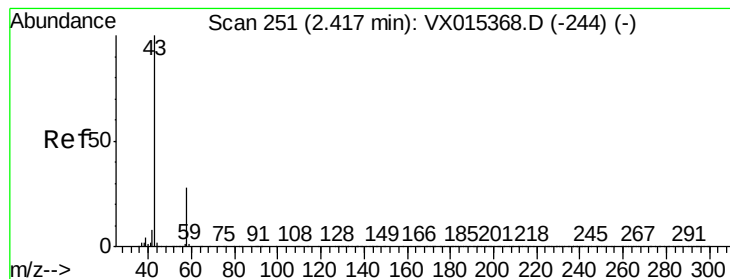
Ion Ratio Lower Upper

53 100

52 0.0 66.8 100.2#

51 46.7 29.5 44.3#





#16

Acetone

Concen: 9.903 ug/l

RT: 2.42 min Scan# 252

Delta R.T. 0.01 min

Lab File: VX015812.D

Acq: 21 Apr 2020 23:04

Instrument :

MSVOA_X

ClientSampleId :

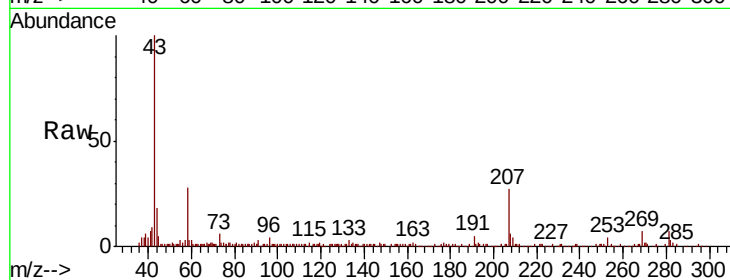
VX0421WBL02

Tot Ion: 43 Resp: 58383

Ion Ratio Lower Upper

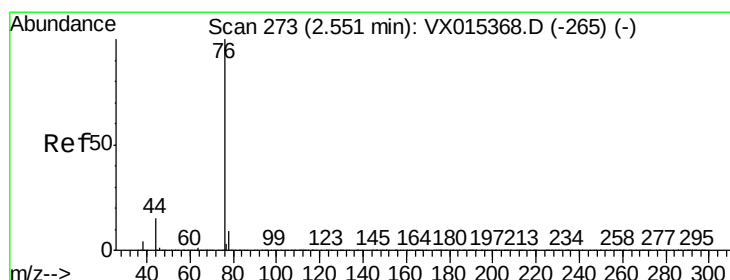
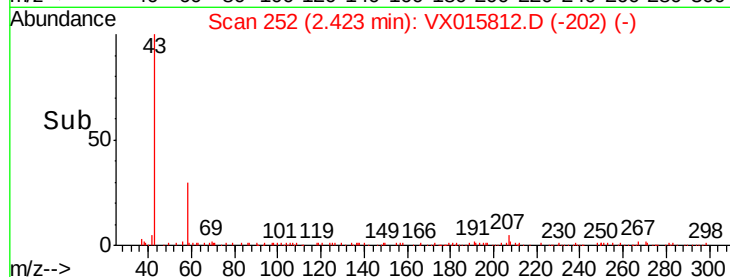
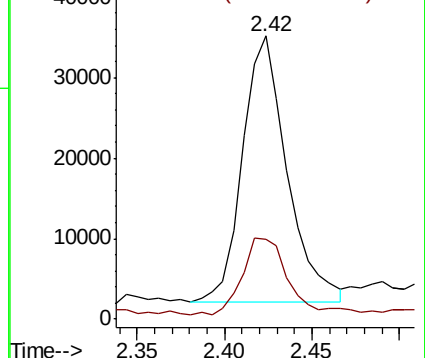
43 100

58 28.5 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 1.394 ug/l

RT: 2.56 min Scan# 274

Delta R.T. 0.01 min

Lab File: VX015812.D

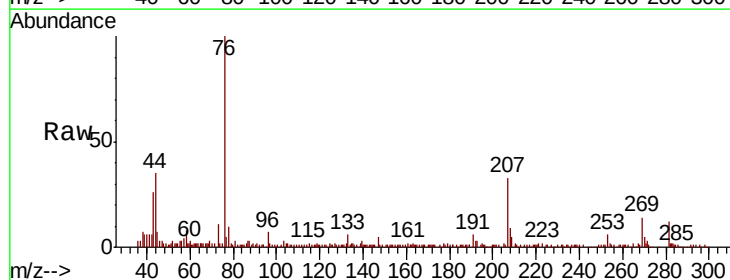
Acq: 21 Apr 2020 23:04

Tgt Ion: 76 Resp: 39064

Ion Ratio Lower Upper

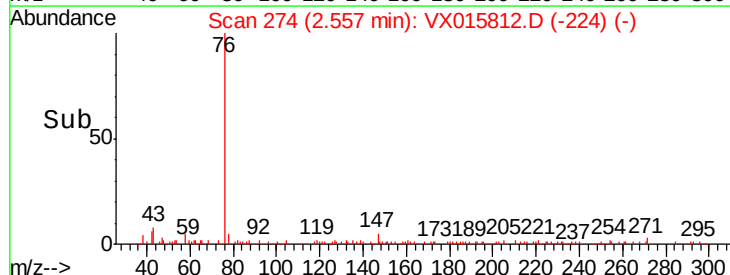
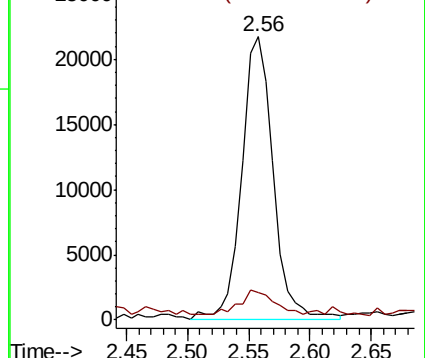
76 100

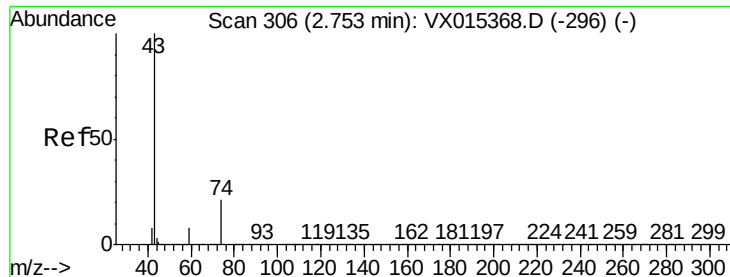
78 7.6 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

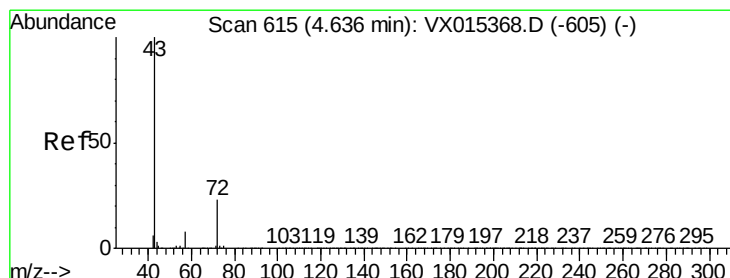
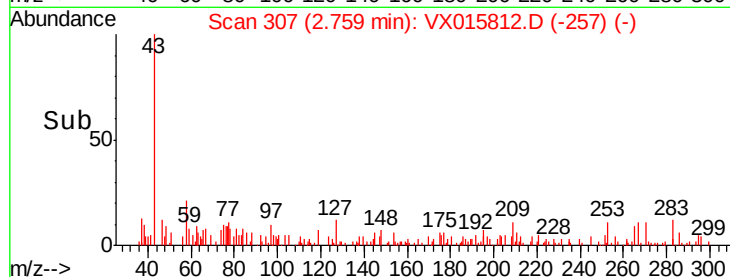
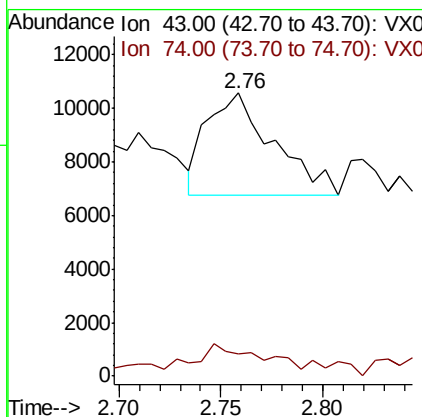
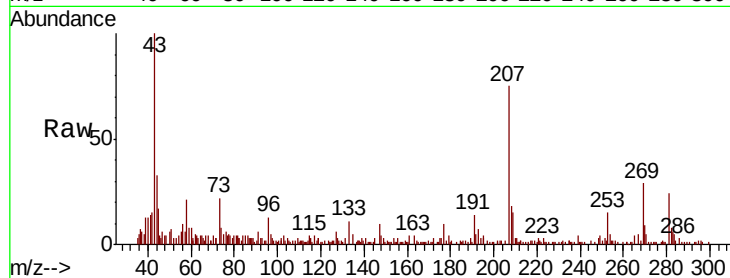




#18
Methyl Acetate
Concen: 0.570 ug/l
RT: 2.76 min Scan# 307
Delta R.T. 0.01 min
Lab File: VX015812.D
Acq: 21 Apr 2020 23:04

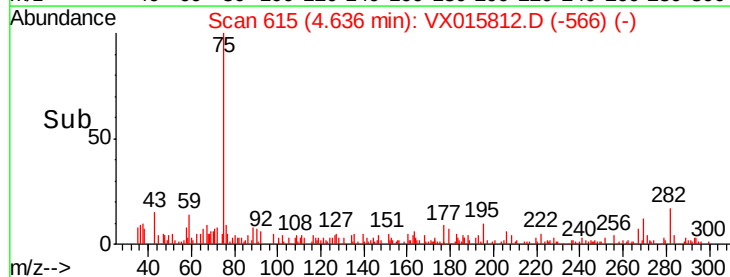
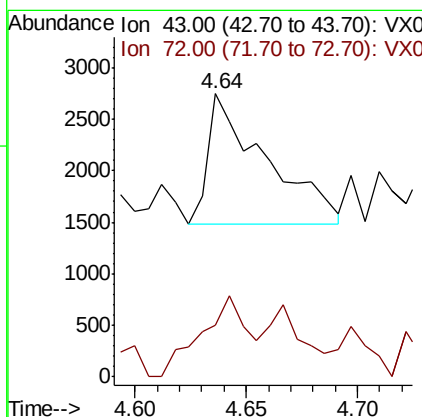
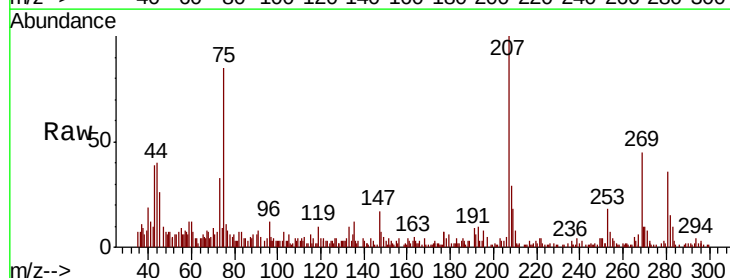
Instrument :
MSVOA_X
ClientSampleId :
VX0421WBL02

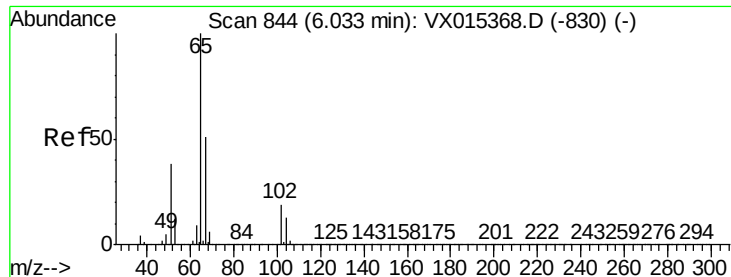
Tot Ion: 43 Resp: 8571
Ion Ratio Lower Upper
43 100
74 20.9 16.5 24.7



#25
2-Butanone
Concen: 0.239 ug/l
RT: 4.64 min Scan# 615
Delta R.T. -0.00 min
Lab File: VX015812.D
Acq: 21 Apr 2020 23:04

Tgt Ion: 43 Resp: 2266
Ion Ratio Lower Upper
43 100
72 19.4 19.0 28.4

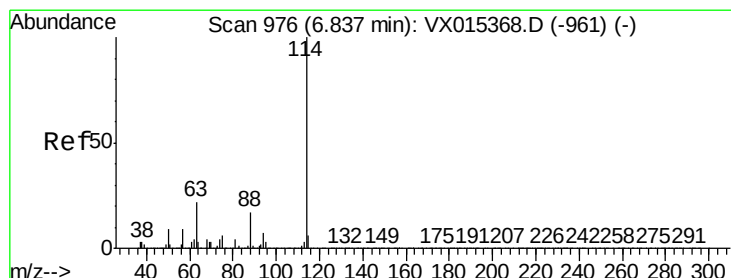
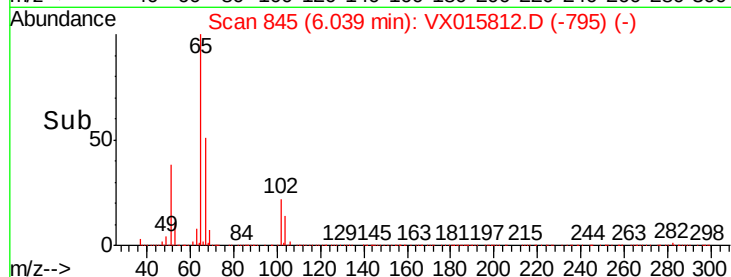
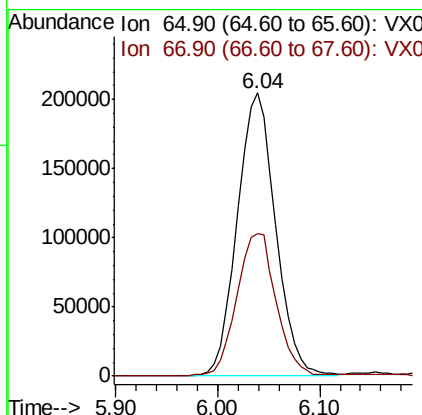
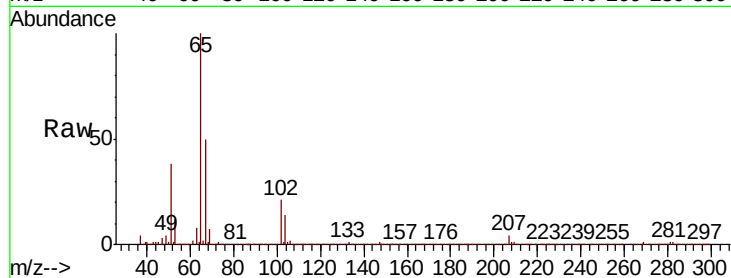




#33
 1,2-Dichloroethane-d4
 Concen: 38.767 ug/l
 RT: 6.04 min Scan# 845
 Delta R.T. 0.01 min
 Lab File: VX015812.D
 Acq: 21 Apr 2020 23:04

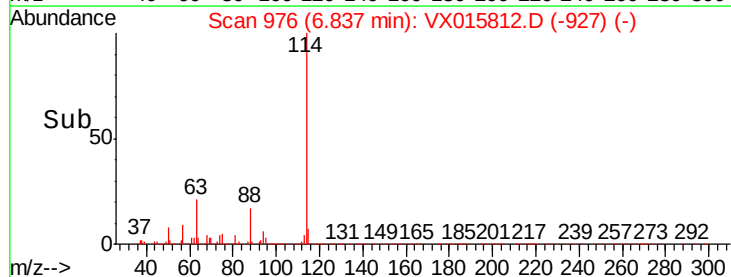
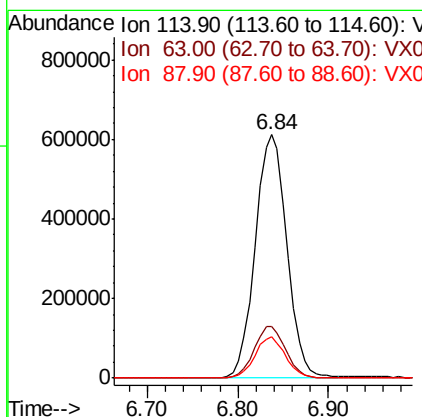
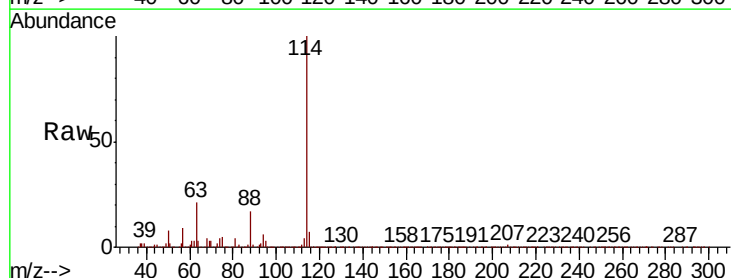
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0421WBL02

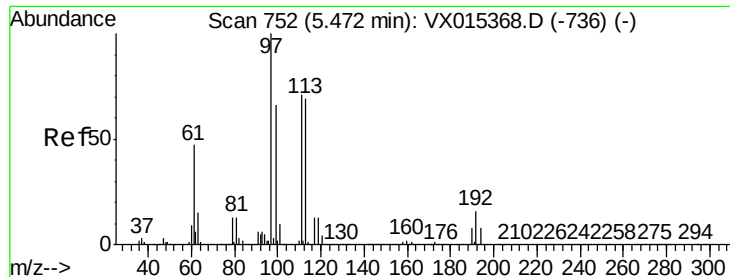
Tot Ion: 65 Resp: 531970
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.84 min Scan# 976
 Delta R.T. -0.00 min
 Lab File: VX015812.D
 Acq: 21 Apr 2020 23:04

Tgt Ion: 114 Resp: 1478039
 Ion Ratio Lower Upper
 114 100
 63 21.4 0.0 44.2
 88 16.7 0.0 33.8

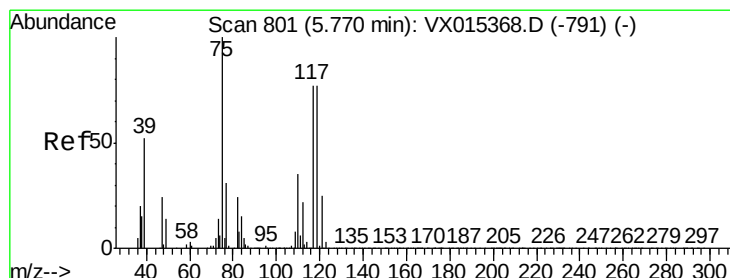
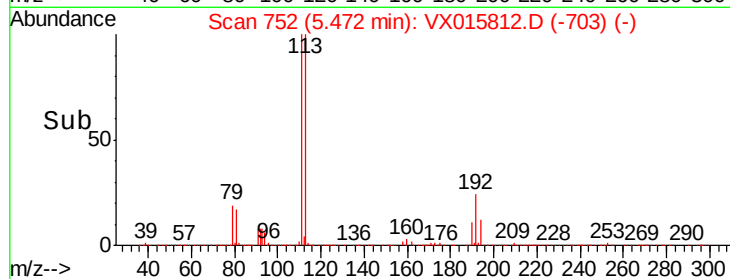
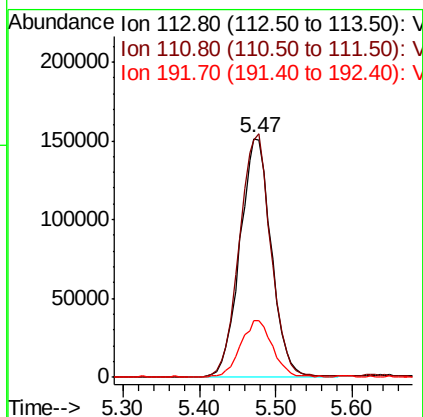
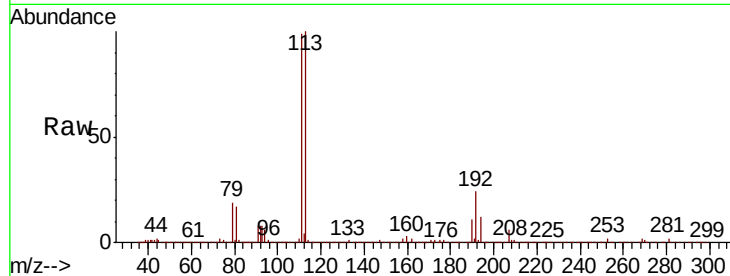




#35
 Dibromofluoromethane
 Concen: 45.622 ug/l
 RT: 5.47 min Scan# 752
 Delta R.T. -0.00 min
 Lab File: VX015812.D
 Acq: 21 Apr 2020 23:04

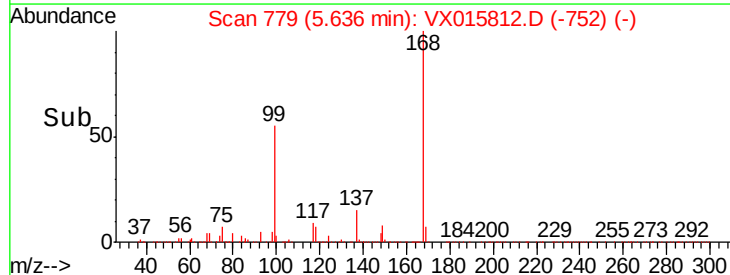
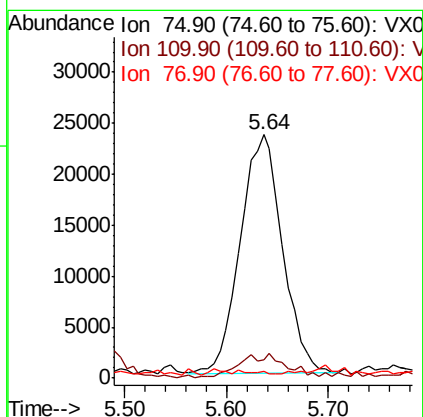
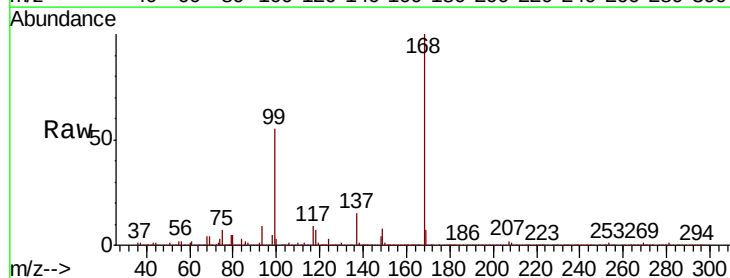
Instrument :
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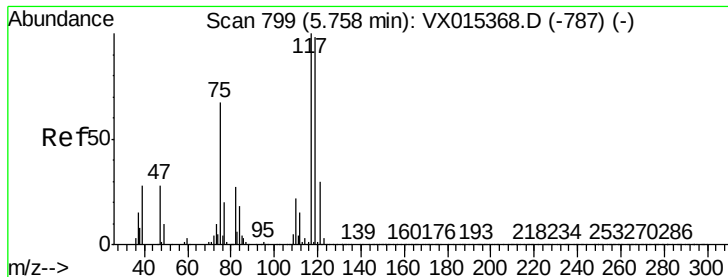
Tot Ion:113 Resp: 431038
 Ion Ratio Lower Upper
 113 100
 111 102.7 81.5 122.3
 192 23.7 17.8 26.6



#36
 1,1-Dichloropropene
 Concen: 4.937 ug/l
 RT: 5.64 min Scan# 779
 Delta R.T. -0.13 min
 Lab File: VX015812.D
 Acq: 21 Apr 2020 23:04

Tgt Ion: 75 Resp: 67241
 Ion Ratio Lower Upper
 75 100
 110 0.0 17.1 51.3#
 77 0.0 24.6 36.8#





#38

Carbon Tetrachloride

Concen: 5.850 ug/l

RT: 5.64 min Scan# 779

Delta R.T. -0.12 min

Lab File: VX015812.D

Acq: 21 Apr 2020 23:04

Instrument :

MSVOA_X

ClientSampleId :

VX0421WBL02

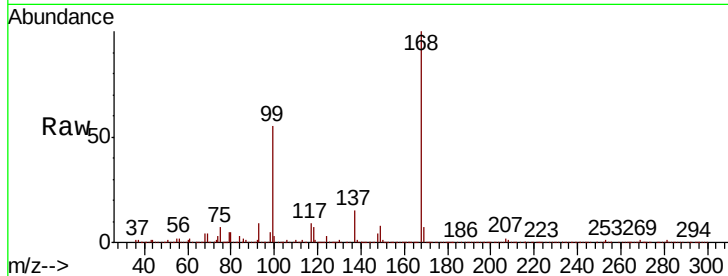
Tot Ion:117 Resp: 86295

Ion Ratio Lower Upper

117 100

119 4.5 78.0 117.0#

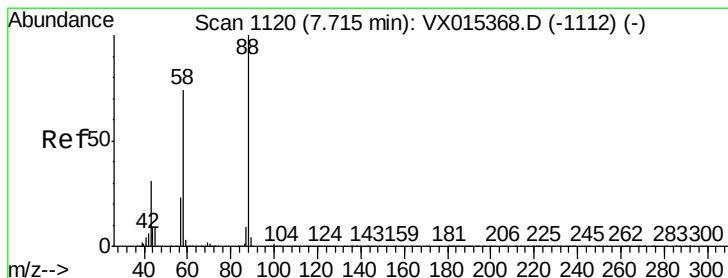
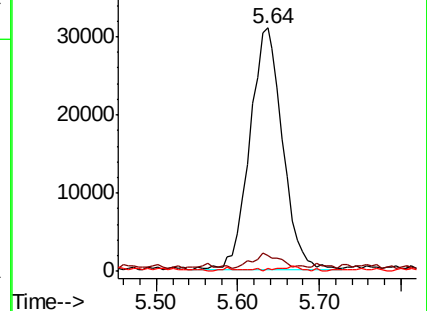
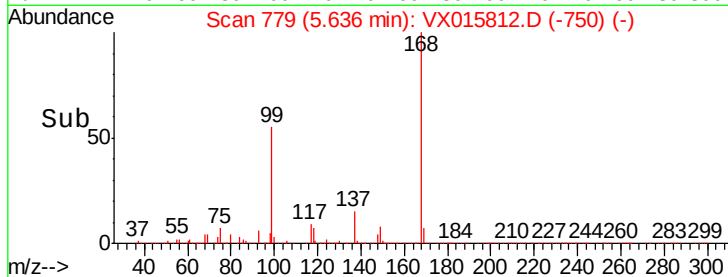
121 0.7 23.8 35.8#



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



#49

1,4-Dioxane

Concen: 14.441 ug/l

RT: 7.73 min Scan# 1122

Delta R.T. 0.01 min

Lab File: VX015812.D

Acq: 21 Apr 2020 23:04

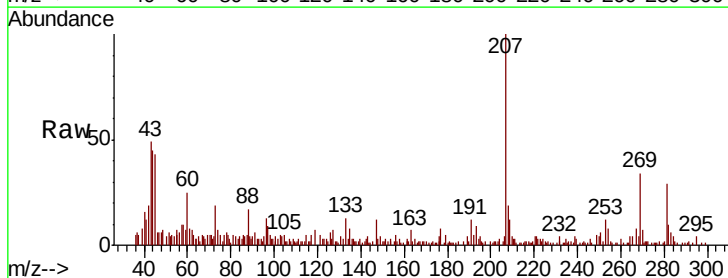
Tgt Ion: 88 Resp: 4028

Ion Ratio Lower Upper

88 100

43 57.7 30.1 45.1#

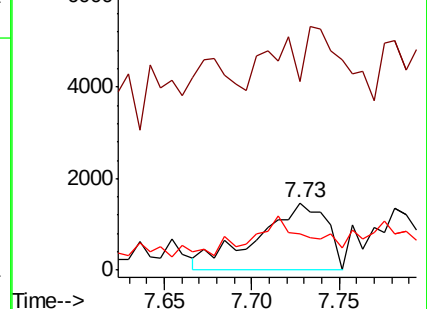
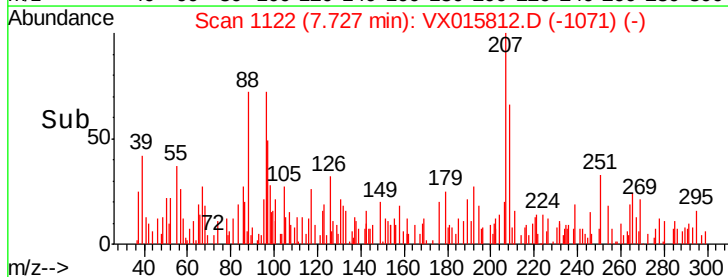
58 0.0 60.6 90.8#

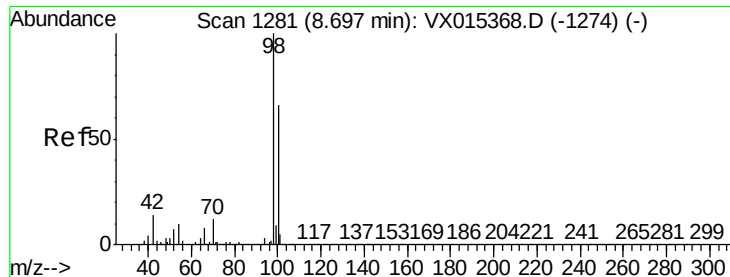


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

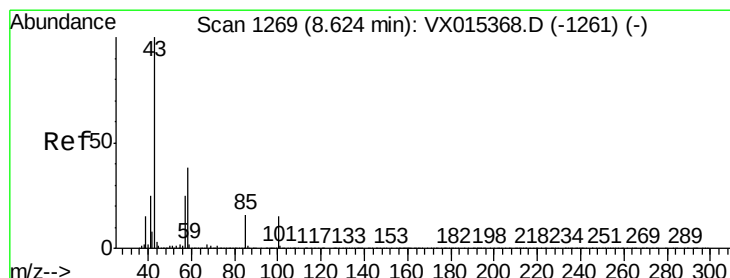
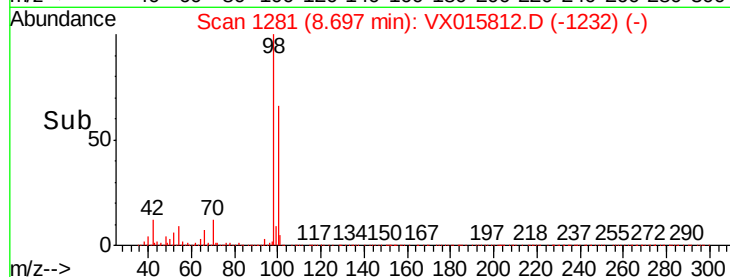
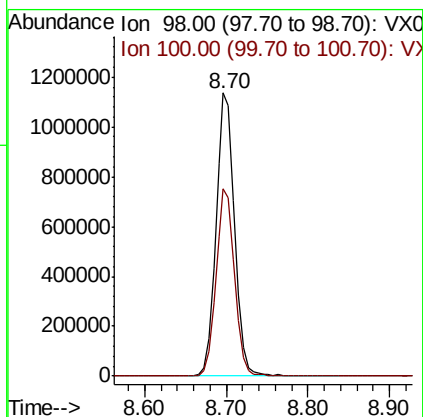
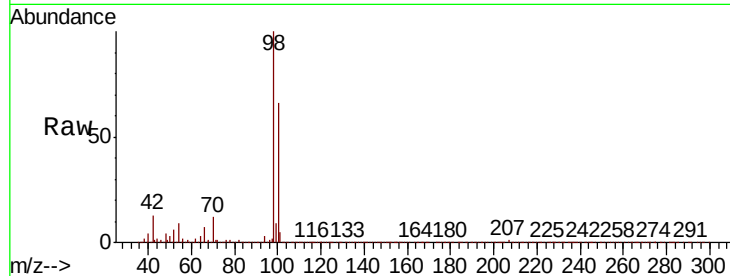




#50
Toluene-d8
Concen: 52.049 ug/l
RT: 8.70 min Scan# 1281
Delta R.T. -0.00 min
Lab File: VX015812.D
Acq: 21 Apr 2020 23:04

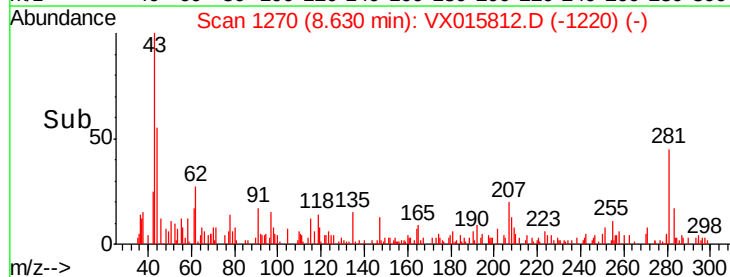
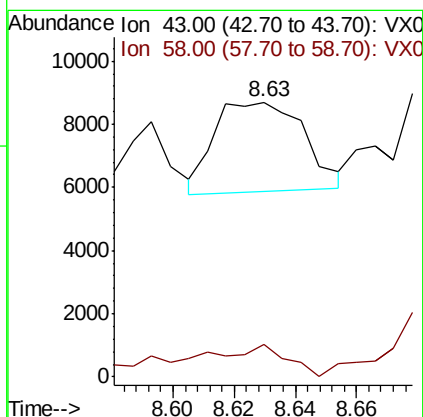
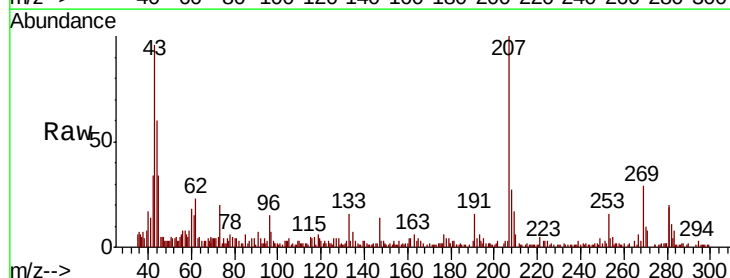
Instrument :
MSVOA_X
ClientSampleId :
VX0421WBL02

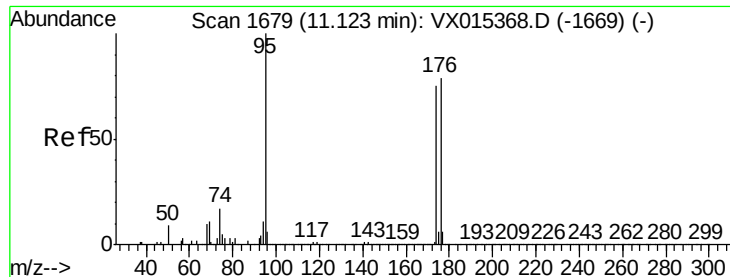
Tot Ion: 98 Resp: 1810542
Ion Ratio Lower Upper
98 100
100 66.2 53.5 80.3



#51
4-Methyl-2-Pentanone
Concen: 0.341 ug/l
RT: 8.63 min Scan# 1270
Delta R.T. 0.01 min
Lab File: VX015812.D
Acq: 21 Apr 2020 23:04

Tgt Ion: 43 Resp: 5778
Ion Ratio Lower Upper
43 100
58 37.5 29.7 44.5





#62

4-Bromofluorobenzene

Concen: 53.858 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.00 min

Lab File: VX015812.D

Acq: 21 Apr 2020 23:04

Instrument :

MSVOA_X

ClientSampleId :

VX0421WBL02

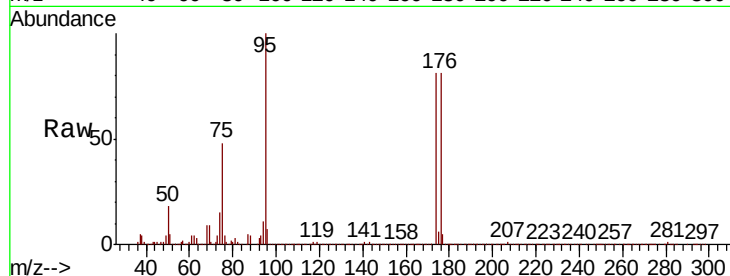
Tot Ion: 95 Resp: 761376

Ion Ratio Lower Upper

95 100

174 87.9 0.0 158.6

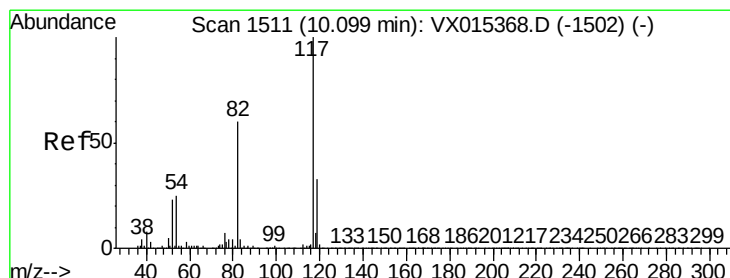
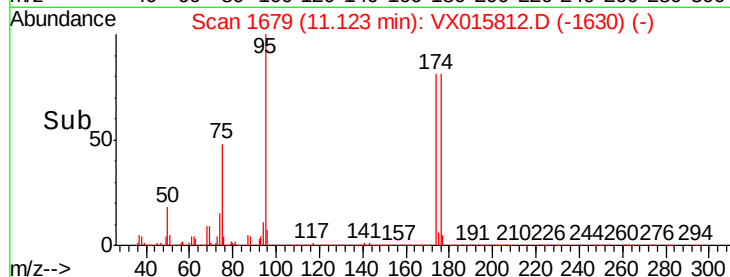
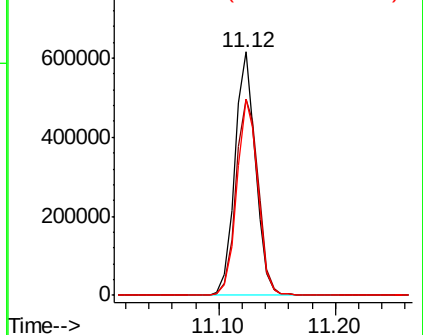
176 82.3 0.0 159.0



Abundance Ion 94.90 (94.60 to 95.60): VX015812.D (-1630) (-)

Ion 173.80 (173.50 to 174.50): VX015812.D (-1630) (-)

Ion 175.80 (175.50 to 176.50): VX015812.D (-1630) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1511

Delta R.T. -0.00 min

Lab File: VX015812.D

Acq: 21 Apr 2020 23:04

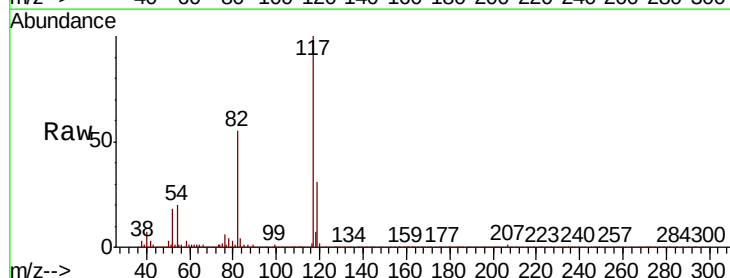
Tgt Ion: 117 Resp: 1440081

Ion Ratio Lower Upper

117 100

82 54.5 47.8 71.8

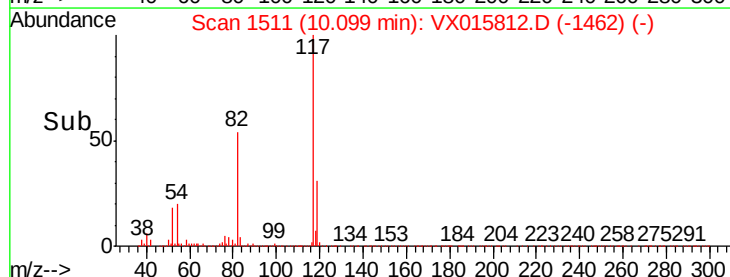
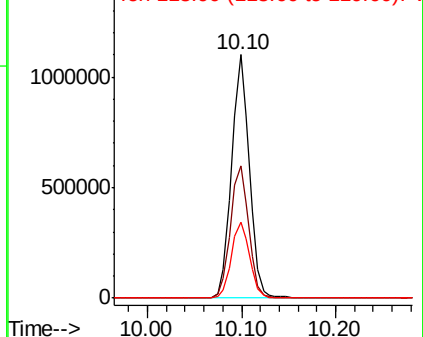
119 31.1 26.8 40.2

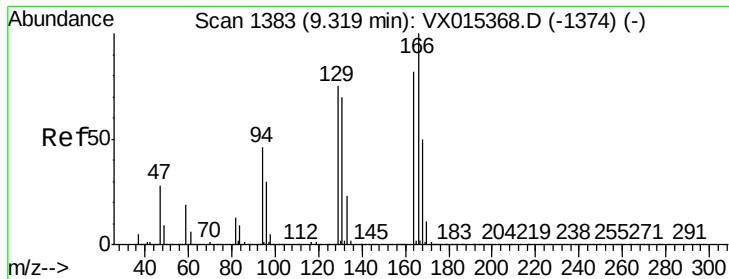


Abundance Ion 116.90 (116.60 to 117.60): VX015812.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX015812.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX015812.D (-1462) (-)

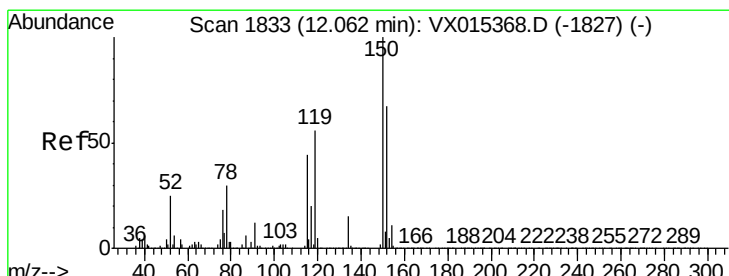
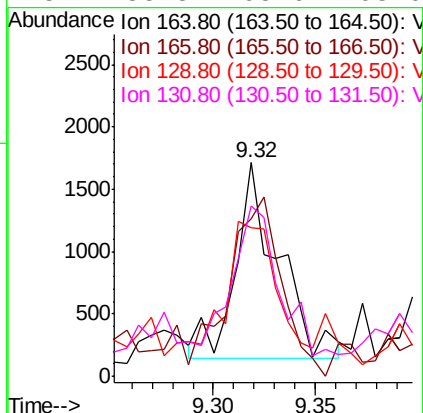
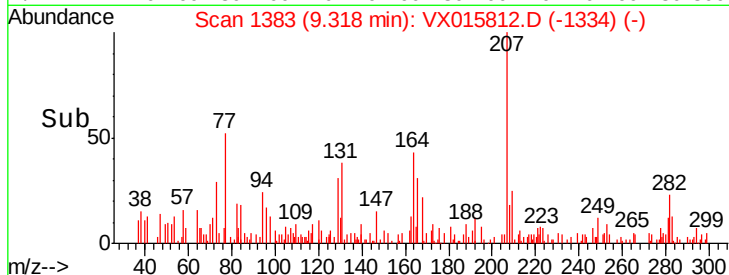
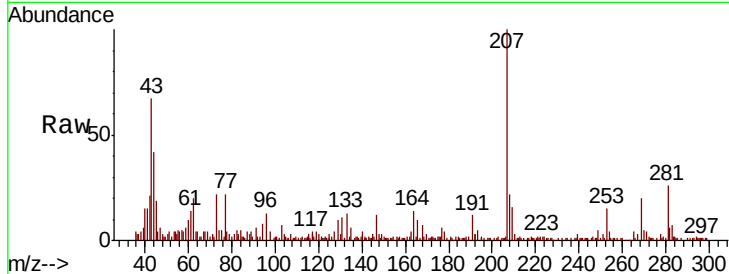




#64
Tetrachloroethene
Concen: 0.211 ug/l
RT: 9.32 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX015812.D
Acq: 21 Apr 2020 23:04

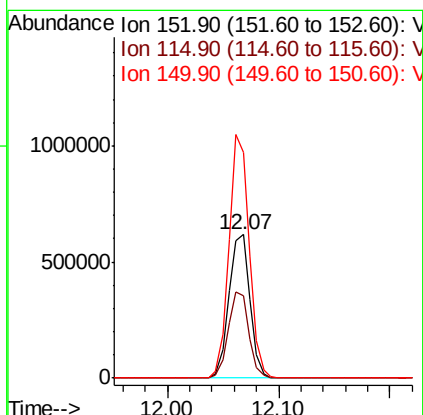
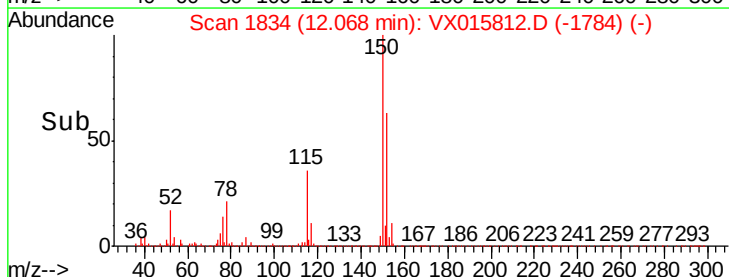
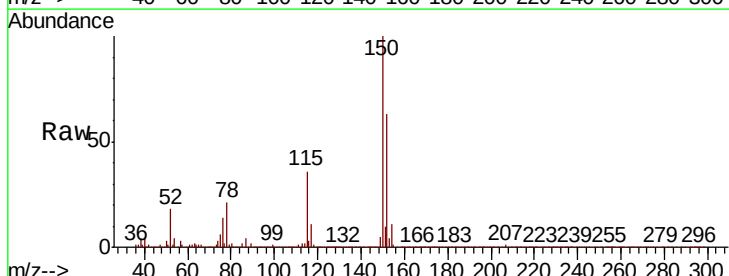
Instrument :
MSVOA_X
ClientSampled :
VX0421WBL02

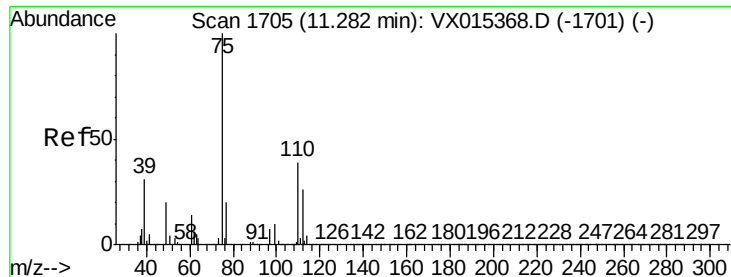
Tot Ion:	164	Resp:	2295
Ion	Ratio	Lower	Upper
164	100		
166	81.2	97.8	146.6#
129	64.6	73.0	109.4#
131	83.3	68.6	103.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1834
Delta R.T. 0.01 min
Lab File: VX015812.D
Acq: 21 Apr 2020 23:04

Tgt Ion:	152	Resp:	804557
Ion	Ratio	Lower	Upper
152	100		
115	58.6	39.0	116.9
150	162.2	0.0	340.8





#76

1,2,3-Trichloropropane

Concen: 22.315 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.16 min

Lab File: VX015812.D

Acq: 21 Apr 2020 23:04

Instrument :

MSVOA_X

ClientSampleId :

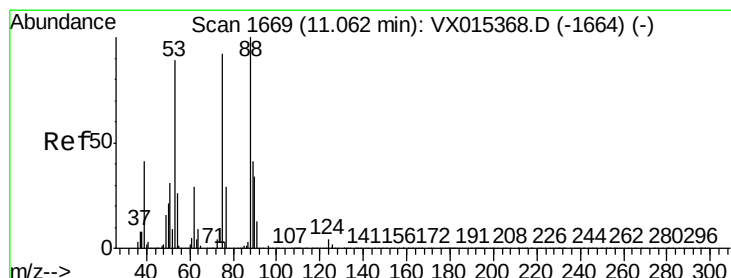
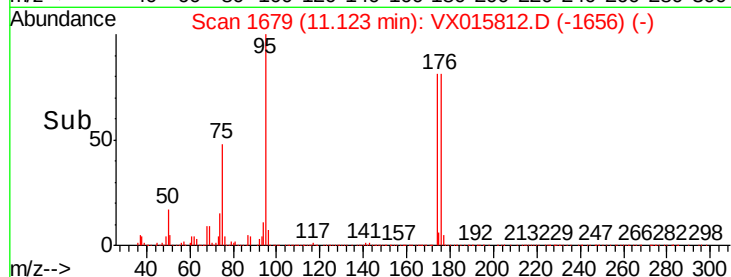
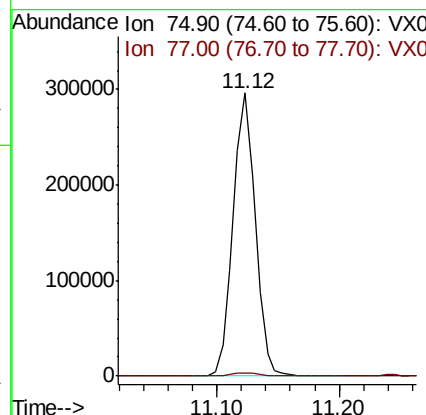
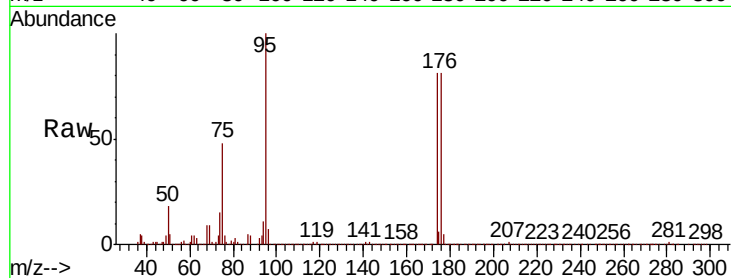
VX0421WBL02

Tot Ion: 75 Resp: 369206

Ion Ratio Lower Upper

75 100

77 1.4 21.2 63.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 53.544 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.06 min

Lab File: VX015812.D

Acq: 21 Apr 2020 23:04

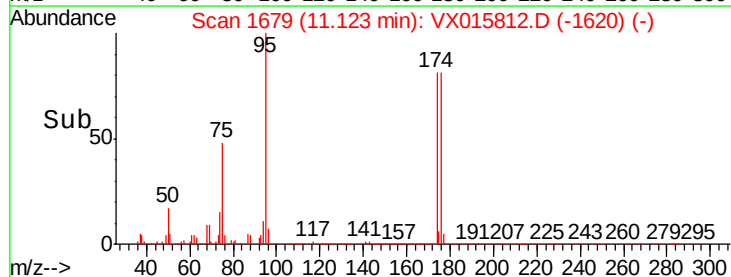
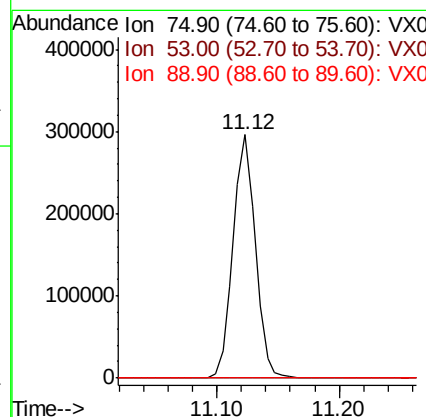
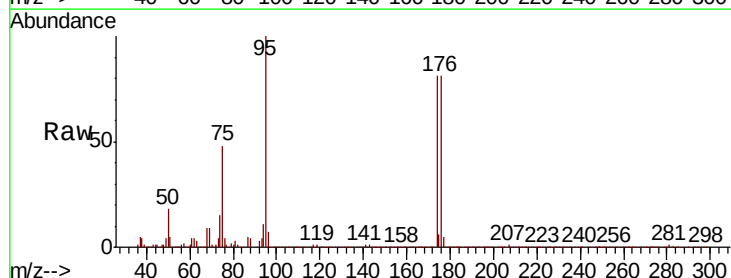
Tgt Ion: 75 Resp: 369206

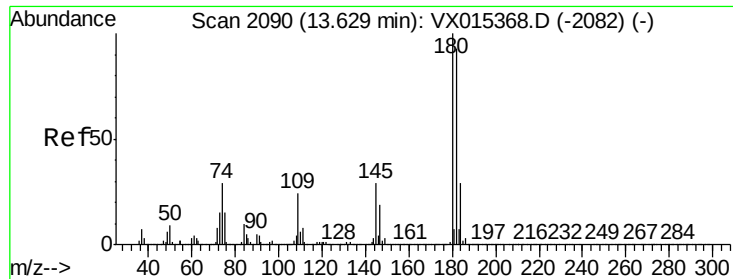
Ion Ratio Lower Upper

75 100

53 0.0 80.1 120.1#

89 0.1 36.1 54.1#

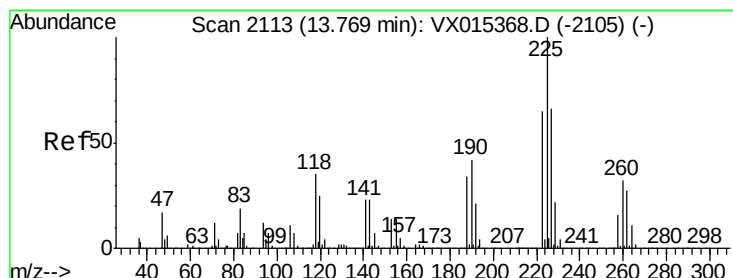
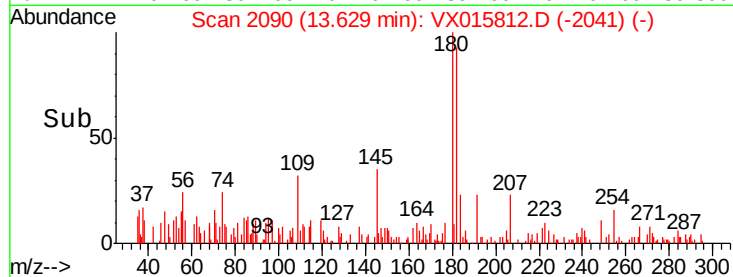
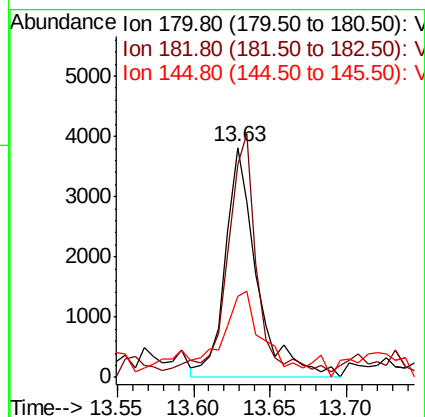
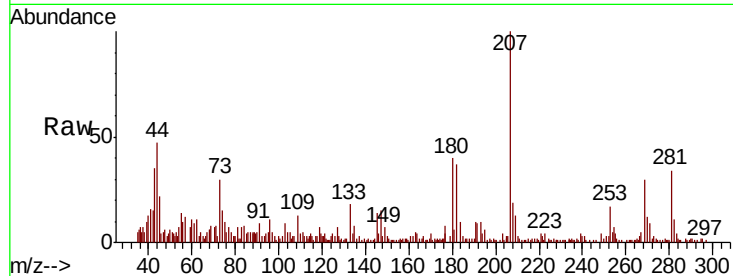




#93
 1,2,4-Trichlorobenzene
 Concen: 0.281 ug/l
 RT: 13.63 min Scan# 2090
 Delta R.T. -0.00 min
 Lab File: VX015812.D
 Acq: 21 Apr 2020 23:04

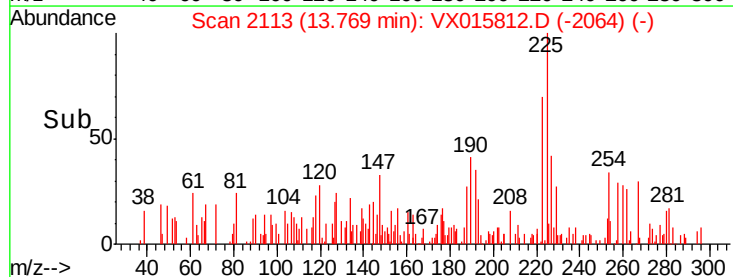
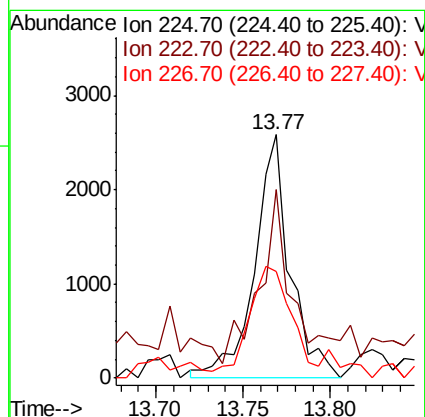
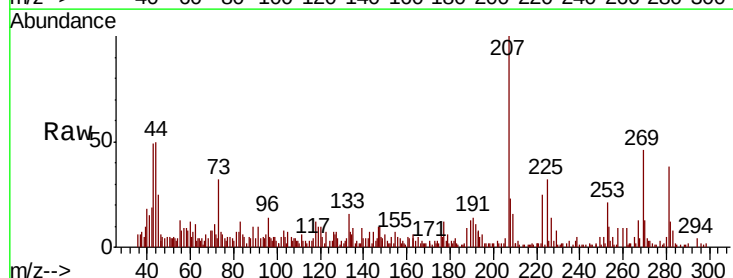
Instrument :
 MSVOA_X
 ClientSampled :
 VX0421WBL02

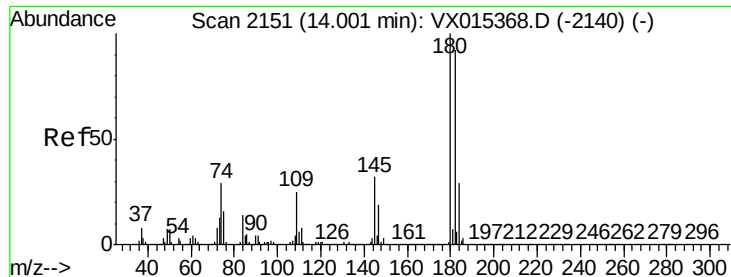
Tot Ion:180 Resp: 5469
 Ion Ratio Lower Upper
 180 100
 182 95.6 46.9 140.7
 145 38.5 14.9 44.5



#94
 Hexachlorobutadiene
 Concen: 0.390 ug/l
 RT: 13.77 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VX015812.D
 Acq: 21 Apr 2020 23:04

Tgt Ion:225 Resp: 3620
 Ion Ratio Lower Upper
 225 100
 223 63.8 31.9 95.7
 227 48.1 30.4 91.3

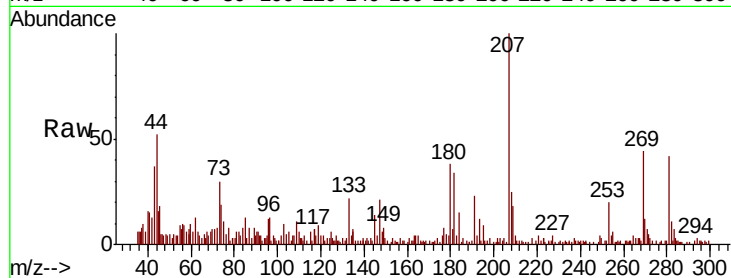




#96
 1,2,3-Trichlorobenzene
 Concen: 0.287 ug/l
 RT: 14.01 min Scan# 2152
 Delta R.T. 0.01 min
 Lab File: VX015812.D
 Acq: 21 Apr 2020 23:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0421WBL02

Tot Ion	Ratio	Lower	Upper
180	100		
182	72.7	46.7	140.0
145	25.9	15.8	47.3



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

