

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX090920\
 Data File : VX018312.D
 Acq On : 09 Sep 2020 11:02
 Operator : JC/SP
 Sample : VX0909WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0909WBL01

Quant Time: Sep 09 15:02:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082120W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 21 03:03:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	442873	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	712033	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	654975	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	314155	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	314027	51.08	ug/l	0.00
Spiked Amount			Recovery	=	102.16%	
35) Dibromofluoromethane	5.47	113	249059	51.36	ug/l	0.00
Spiked Amount			Recovery	=	102.72%	
50) Toluene-d8	8.70	98	857991	47.50	ug/l	0.00
Spiked Amount			Recovery	=	95.00%	
62) 4-Bromofluorobenzene	11.12	95	309033	43.49	ug/l	0.00
Spiked Amount			Recovery	=	86.98%	

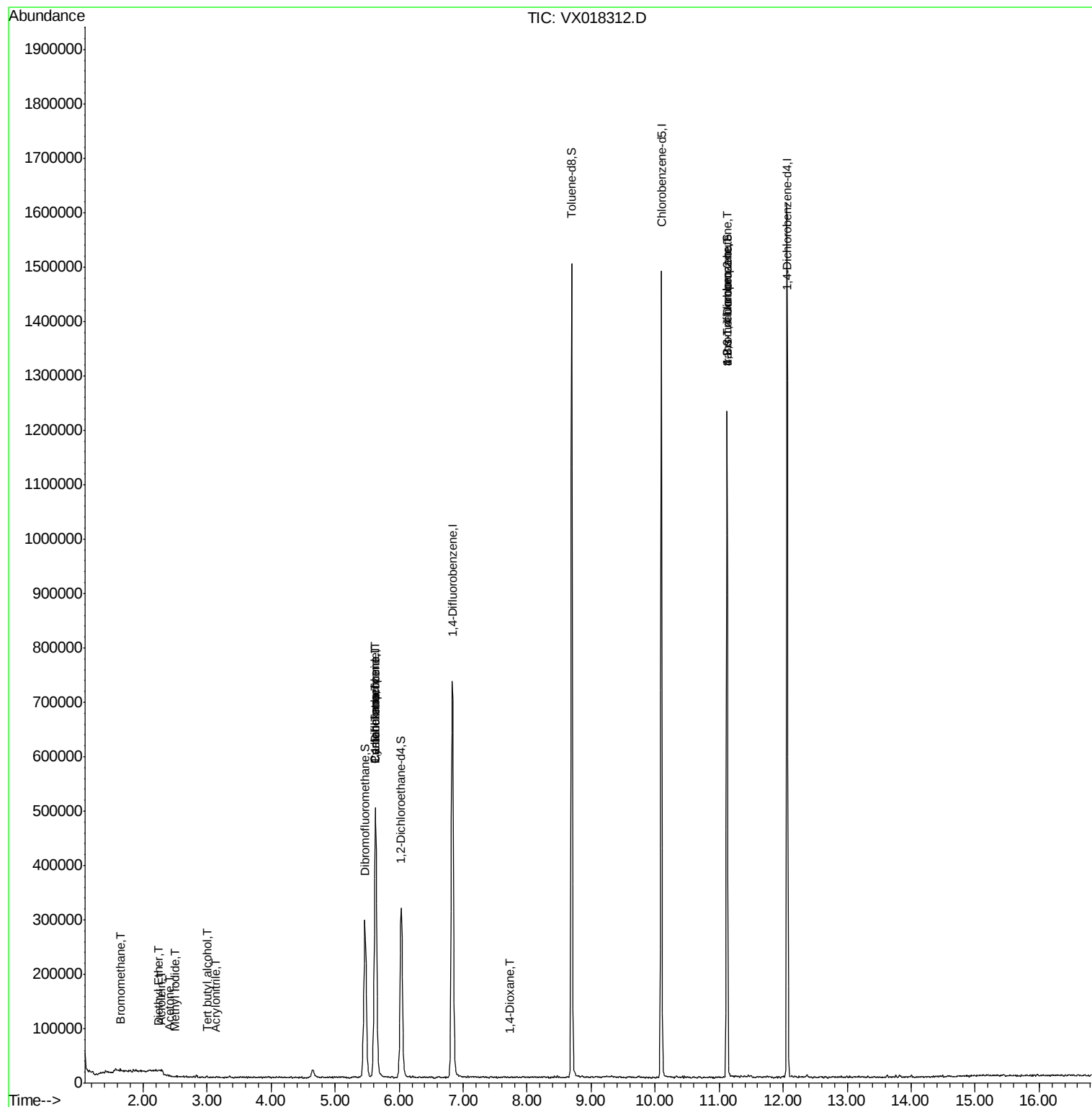
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	713	0.261	ug/l #	50
8) Diethyl Ether	2.23	74	563	0.215	ug/l	96
10) Methyl Iodide	2.50	142	1298	5.547	ug/l #	79
11) Tert butyl alcohol	3.01	59	939	0.785	ug/l #	90
13) Acrolein	2.27	56	631	1.273	ug/l #	73
15) Acrylonitrile	3.12	53	1124	0.414	ug/l #	64
16) Acetone	2.41	43	1577	0.658	ug/l	91
20) Methylene Chloride	2.83	84	1636	Below Cal	#	78
31) Cyclohexane	5.63	56	9057	1.231	ug/l #	2
36) 1,1-Dichloropropene	5.63	75	36429	5.547	ug/l #	52
38) Carbon Tetrachloride	5.63	117	47285	6.389	ug/l #	19
49) 1,4-Dioxane	7.73	88	77	0.693	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	161704	23.139	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	161704	62.493	ug/l #	12

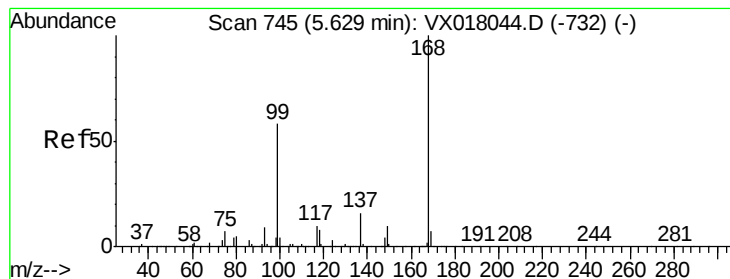
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX090920\
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Instrument :
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ClientSampleId :
VX0909WBL01

Quant Time: Sep 09 15:02:29 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X082120W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 21 03:03:56 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.00 min

Lab File: VX018312.D

Acq: 09 Sep 2020 11:02

Instrument :

MSVOA_X

ClientSampleId :

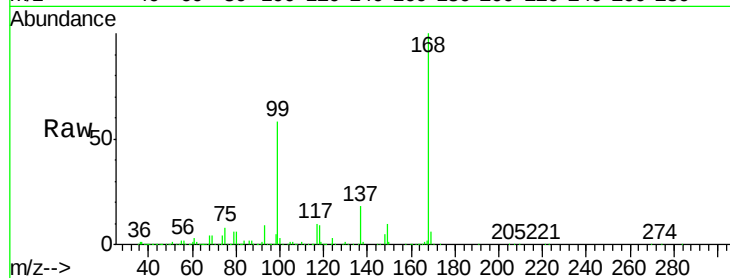
VX0909WBL01

Tgt Ion:168 Resp: 442873

Ion Ratio Lower Upper

168 100

99 57.6 46.3 69.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

150000

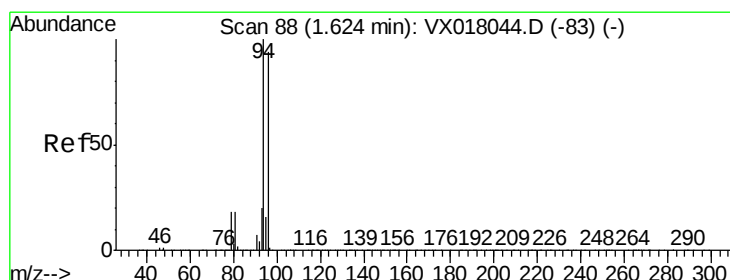
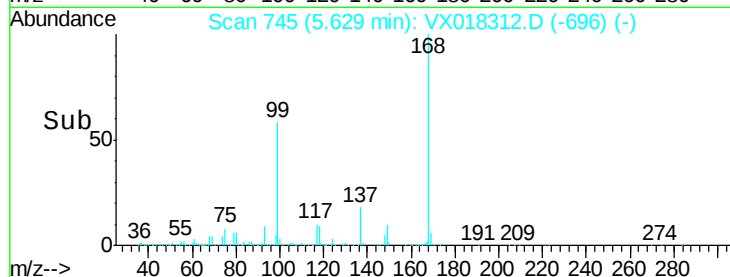
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.261 ug/l

RT: 1.64 min Scan# 91

Delta R.T. 0.02 min

Lab File: VX018312.D

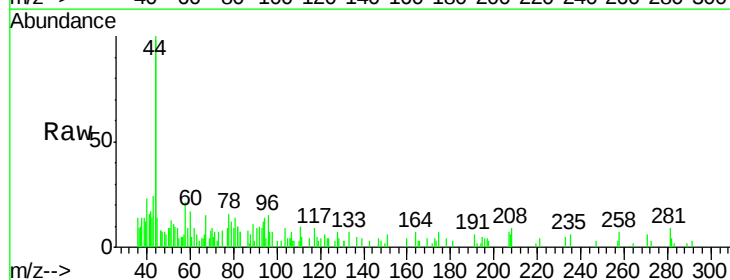
Acq: 09 Sep 2020 11:02

Tgt Ion: 94 Resp: 713

Ion Ratio Lower Upper

94 100

96 45.8 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

600

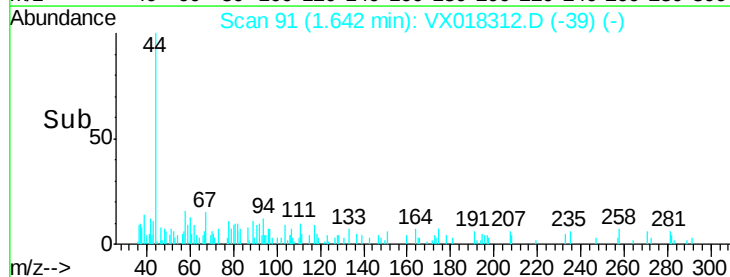
400

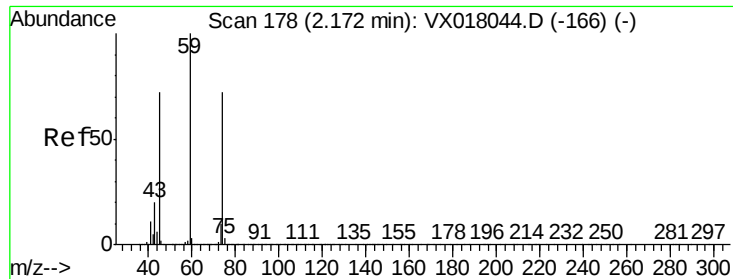
200

0

Time-->

1.60 1.62 1.64 1.66





#8

Diethyl Ether

Concen: 0.215 ug/l

RT: 2.23 min Scan# 188

Delta R.T. 0.06 min

Lab File: VX018312.D

Acq: 09 Sep 2020 11:02

Instrument :

MSVOA_X

ClientSampleId :

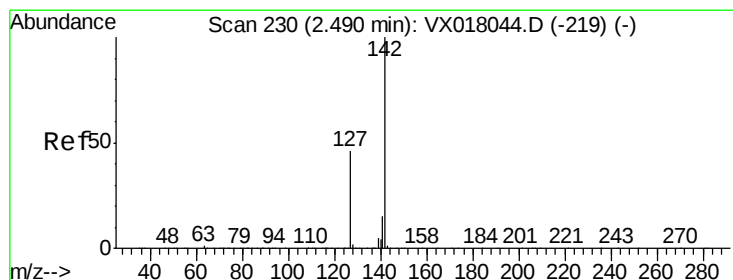
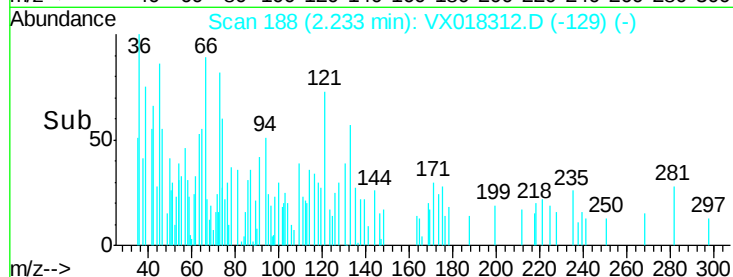
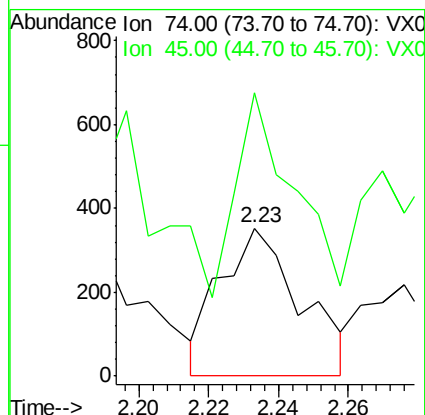
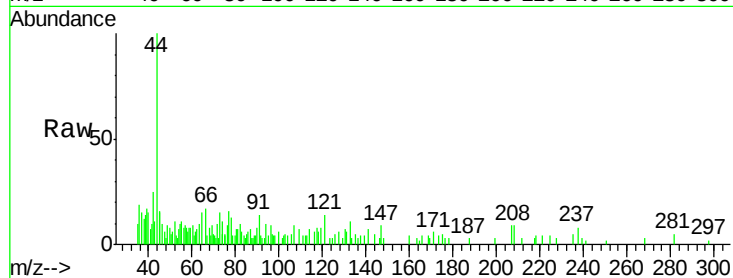
VX0909WBL01

Tgt Ion: 74 Resp: 563

Ion Ratio Lower Upper

74 100

45 97.5 50.7 152.3



#10

Methyl Iodide

Concen: 5.547 ug/l

RT: 2.50 min Scan# 231

Delta R.T. 0.01 min

Lab File: VX018312.D

Acq: 09 Sep 2020 11:02

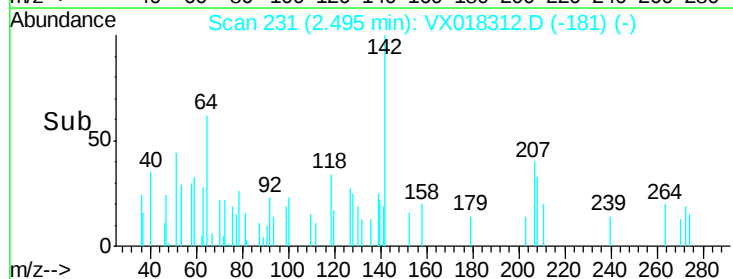
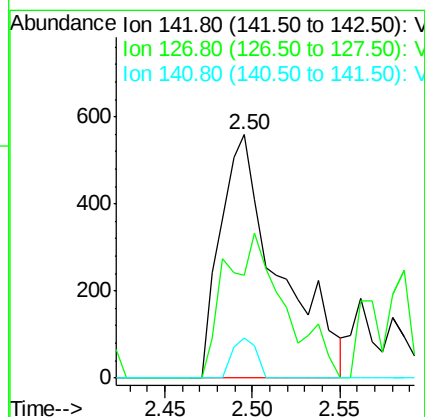
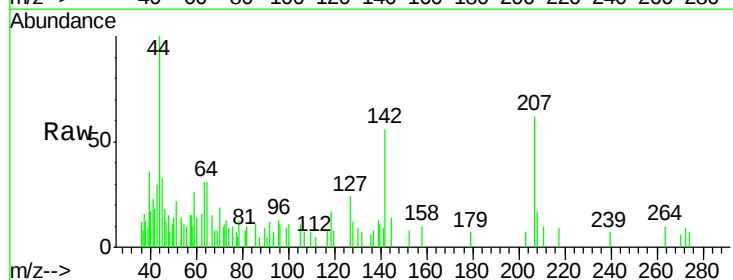
Tgt Ion: 142 Resp: 1298

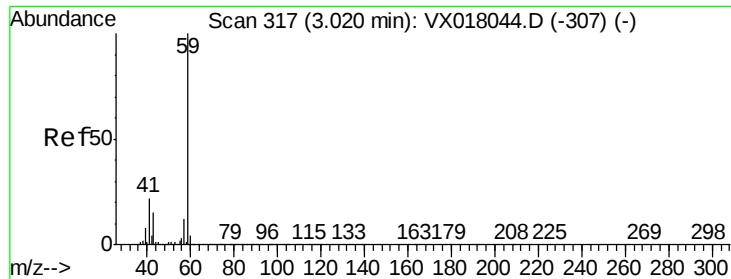
Ion Ratio Lower Upper

142 100

127 60.4 37.0 55.6#

141 6.6 11.5 17.3#

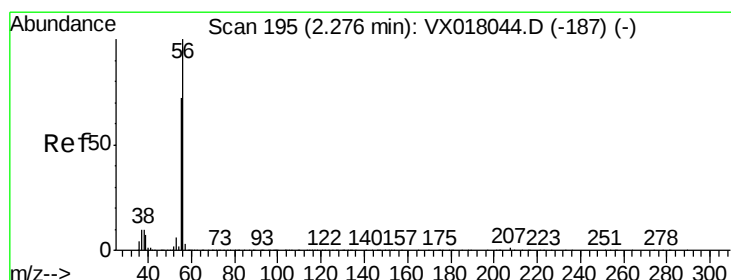
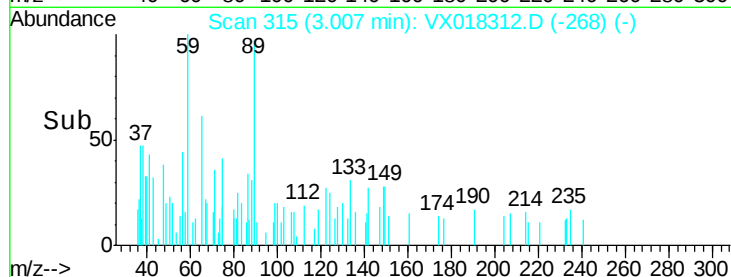
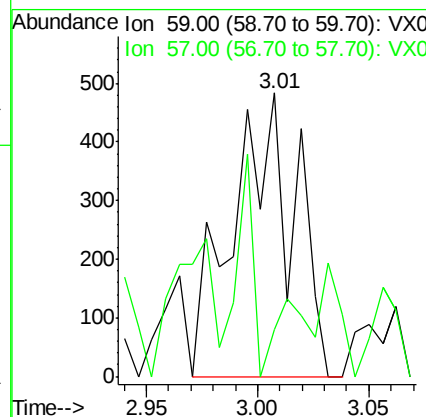
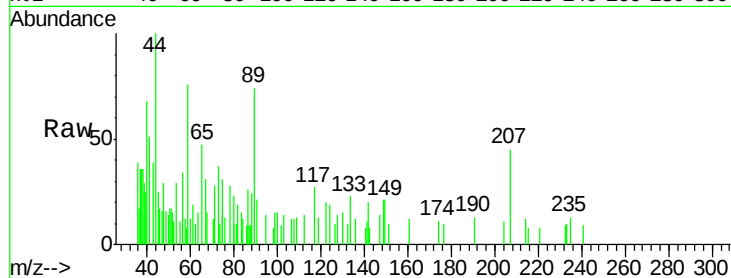




#11
Tert butyl alcohol
Concen: 0.785 ug/l
RT: 3.01 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX018312.D
Acq: 09 Sep 2020 11:02

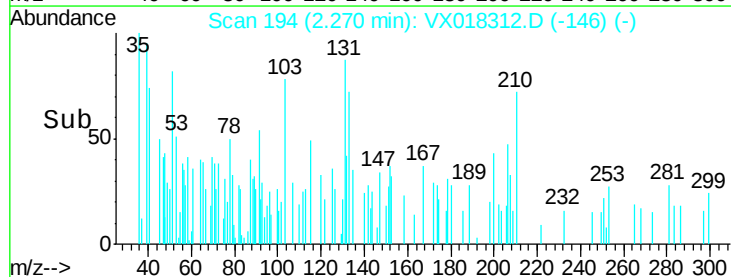
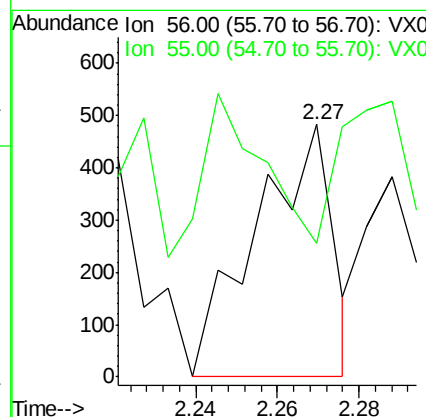
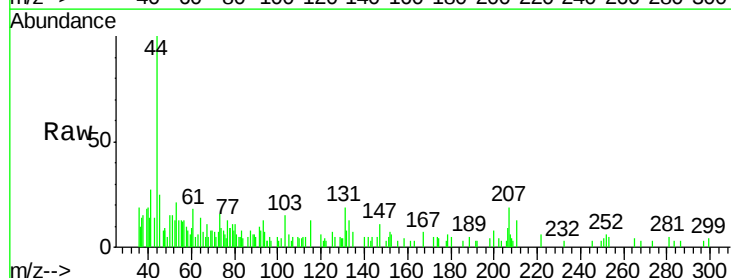
Instrument :
MSVOA_X
ClientSampled :
VX0909WBL01

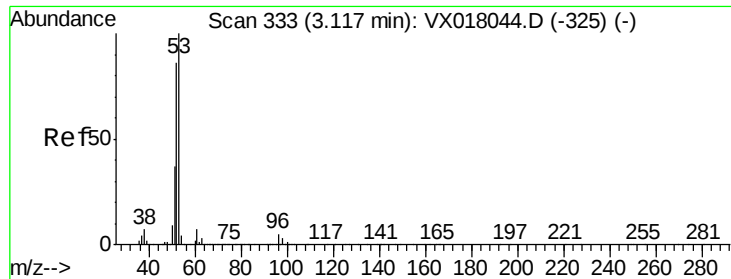
Tgt Ion: 59 Resp: 939
Ion Ratio Lower Upper
59 100
57 14.9 8.9 13.3#



#13
Acrolein
Concen: 1.273 ug/l
RT: 2.27 min Scan# 194
Delta R.T. -0.01 min
Lab File: VX018312.D
Acq: 09 Sep 2020 11:02

Tgt Ion: 56 Resp: 631
Ion Ratio Lower Upper
56 100
55 94.0 57.0 85.6#





#15

Acrylonitrile

Concen: 0.414 ug/l

RT: 3.12 min Scan# 334

Delta R.T. 0.01 min

Lab File: VX018312.D

Acq: 09 Sep 2020 11:02

Instrument :

MSVOA_X

ClientSampled :

VX0909WBL01

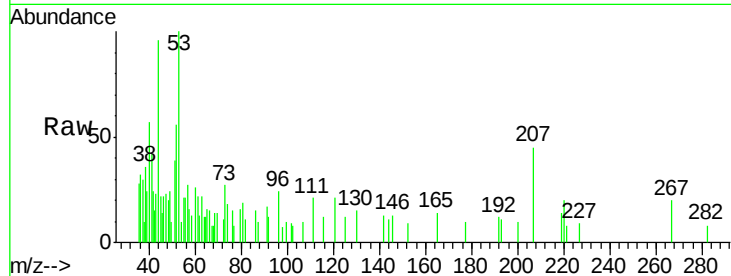
Tgt Ion: 53 Resp: 1124

Ion Ratio Lower Upper

53 100

52 59.6 66.9 100.3#

51 69.2 28.7 43.1#



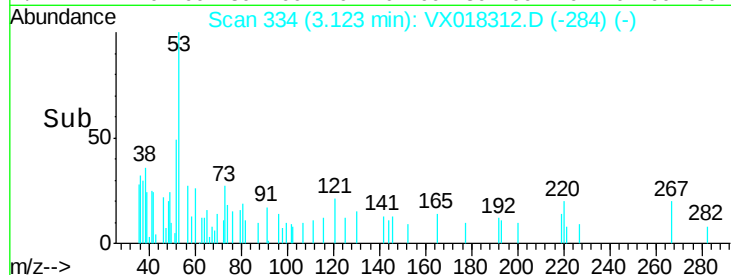
Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

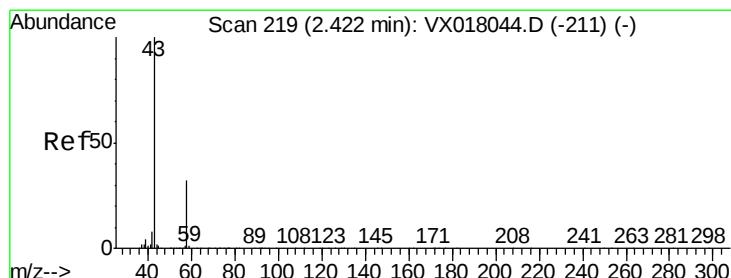
Ion 51.00 (50.70 to 51.70): VX0

Time-->

3.08 3.10 3.12 3.14



Time-->



#16

Acetone

Concen: 0.658 ug/l

RT: 2.41 min Scan# 217

Delta R.T. -0.01 min

Lab File: VX018312.D

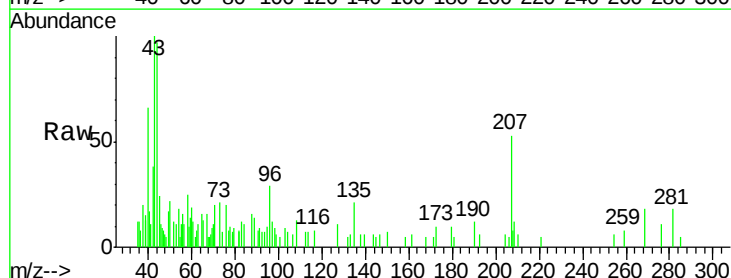
Acq: 09 Sep 2020 11:02

Tgt Ion: 43 Resp: 1577

Ion Ratio Lower Upper

43 100

58 27.1 25.5 38.3

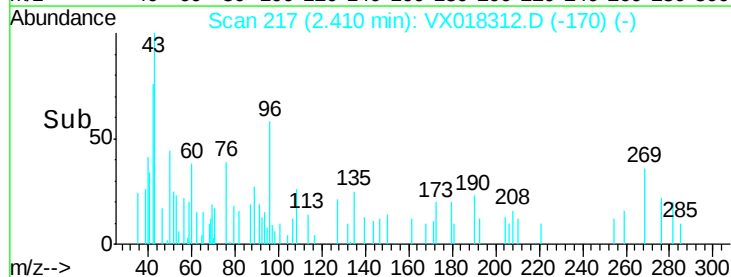


Abundance Ion 43.00 (42.70 to 43.70): VX0

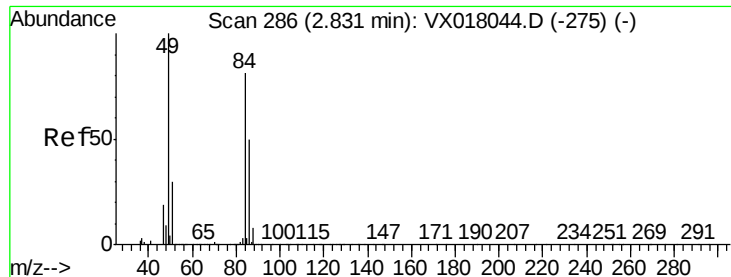
Ion 58.00 (57.70 to 58.70): VX0

Time-->

2.35 2.40 2.45



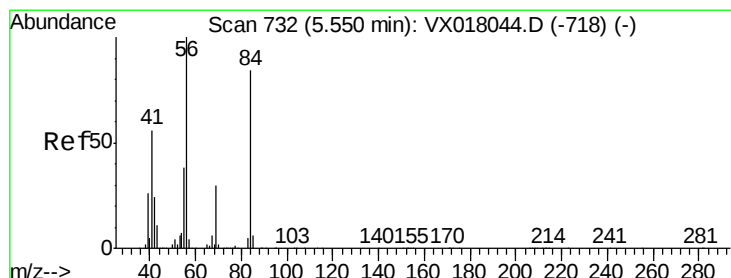
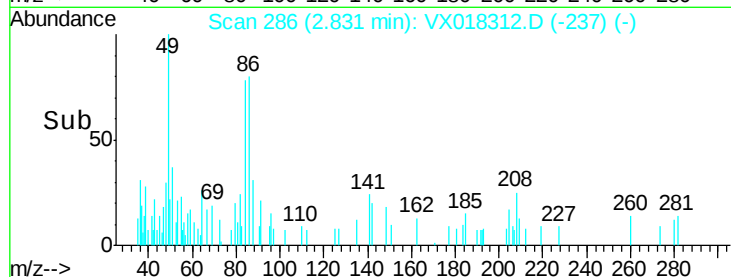
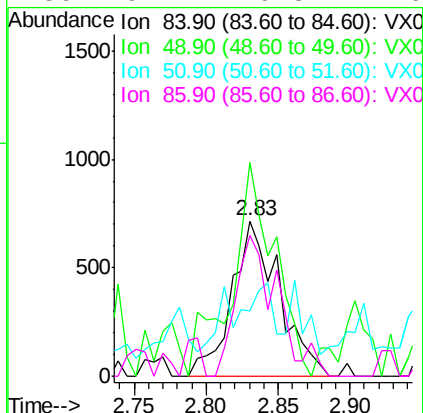
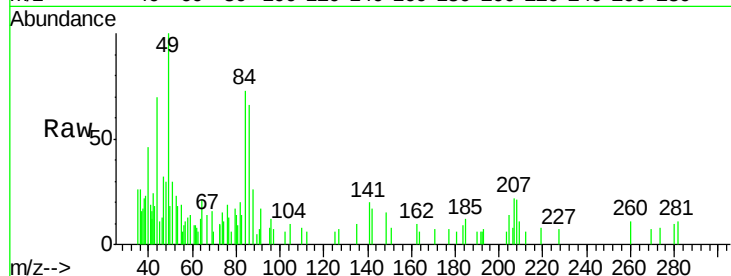
Time-->



#20
Methylene Chloride
Concen: Below Cal
RT: 2.83 min Scan# 286
Delta R.T. 0.00 min
Lab File: VX018312.D
Acq: 09 Sep 2020 11:02

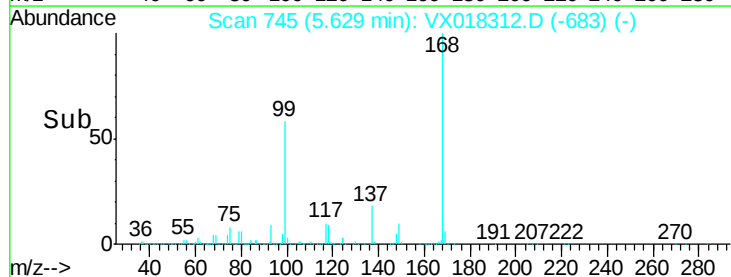
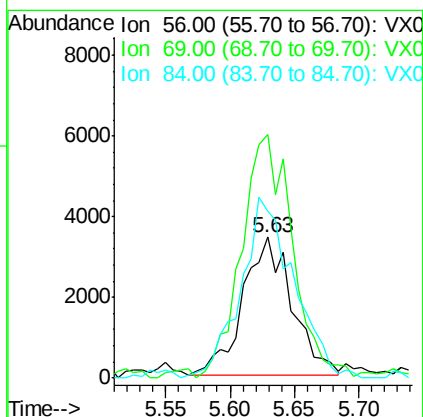
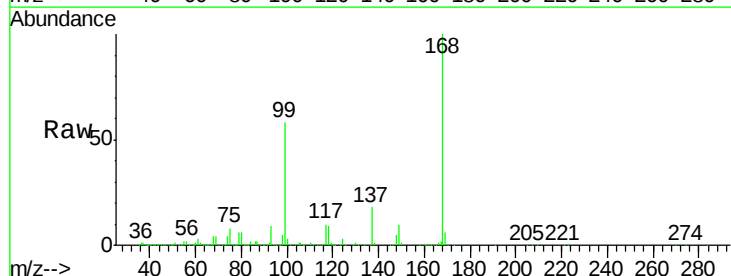
Instrument :
MSVOA_X
ClientSampleId :
VX0909WBL01

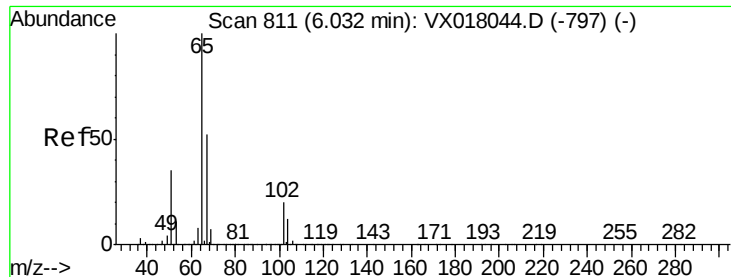
Tgt Ion:	84	Resp:	1636
Ion	Ratio	Lower	Upper
84	100		
49	137.8	98.6	148.0
51	22.0	29.6	44.4#
86	91.2	49.8	74.6#



#31
Cyclohexane
Concen: 1.231 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.08 min
Lab File: VX018312.D
Acq: 09 Sep 2020 11:02

Tgt Ion:	56	Resp:	9057
Ion	Ratio	Lower	Upper
56	100		
69	170.6	23.9	35.9#
84	119.9	67.0	100.4#





#33

1,2-Dichloroethane-d4

Concen: 51.076 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX018312.D

Acq: 09 Sep 2020 11:02

Instrument :

MSVOA_X

ClientSampled :

VX0909WBL01

Tgt Ion: 65 Resp: 314027

Ion Ratio Lower Upper

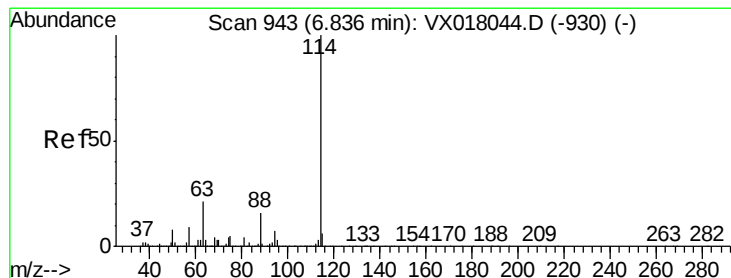
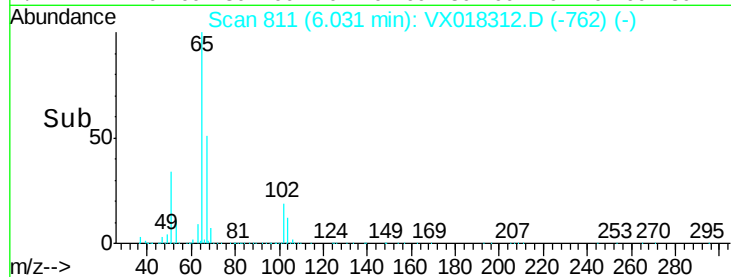
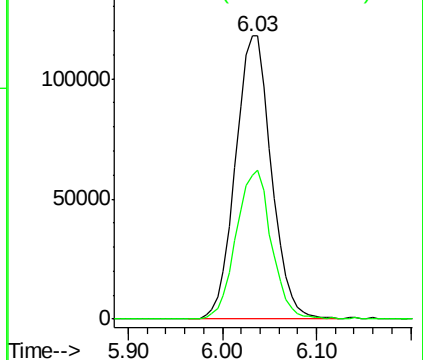
65 100

67 51.7 0.0 105.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. -0.00 min

Lab File: VX018312.D

Acq: 09 Sep 2020 11:02

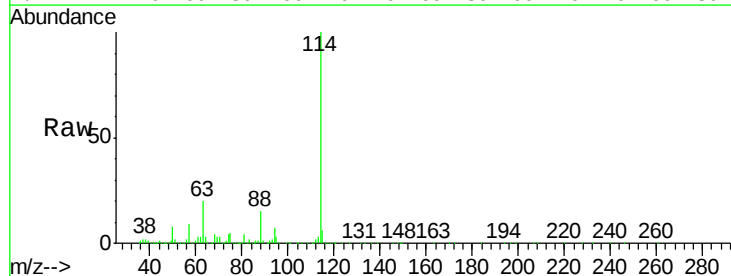
Tgt Ion: 114 Resp: 712033

Ion Ratio Lower Upper

114 100

63 19.9 0.0 42.6

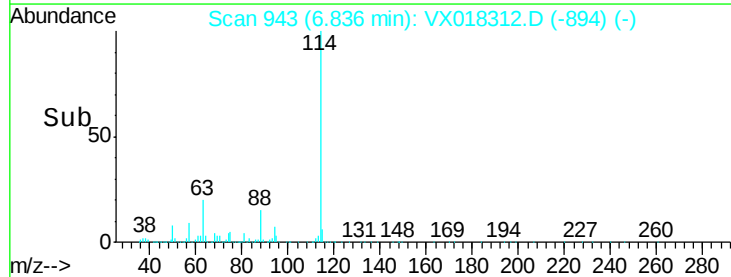
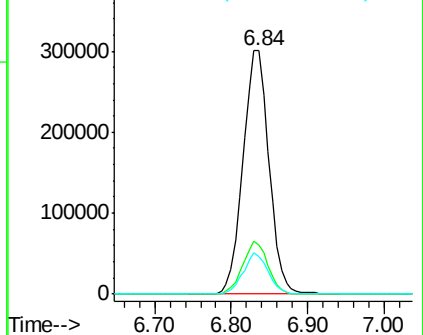
88 15.2 0.0 31.8

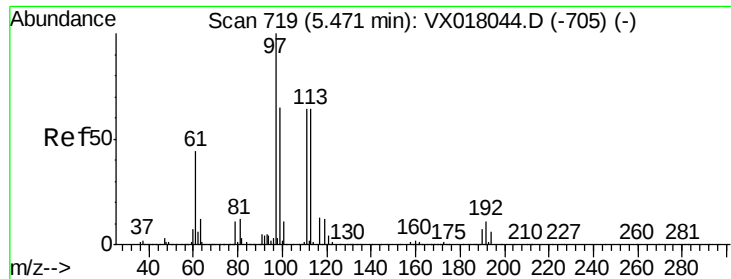


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

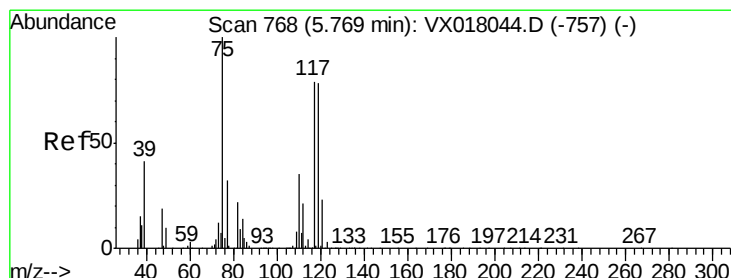
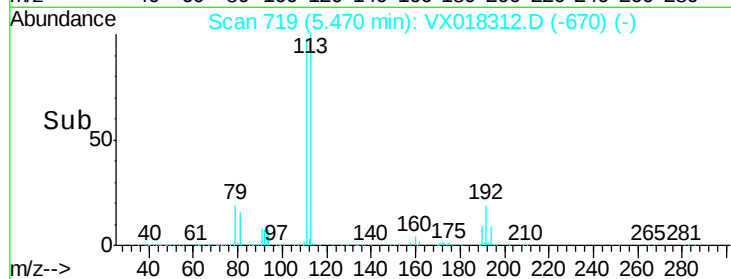
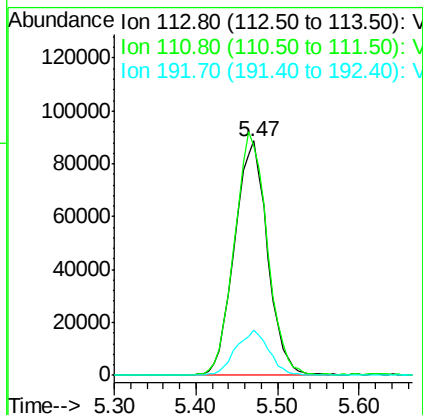
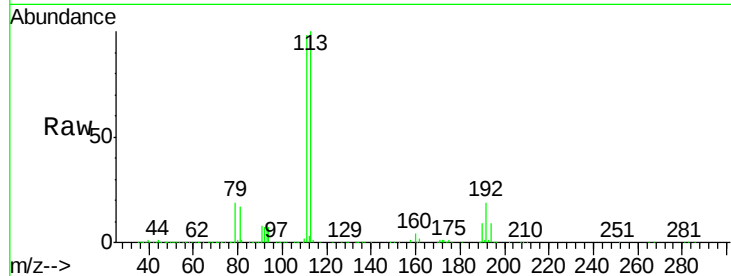




#35
 Dibromofluoromethane
 Concen: 51.360 ug/l
 RT: 5.47 min Scan# 719
 Delta R.T. -0.00 min
 Lab File: VX018312.D
 Acq: 09 Sep 2020 11:02

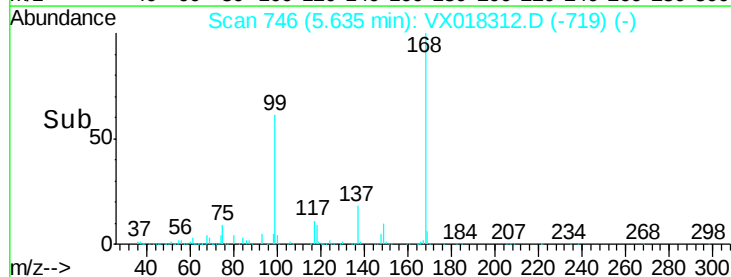
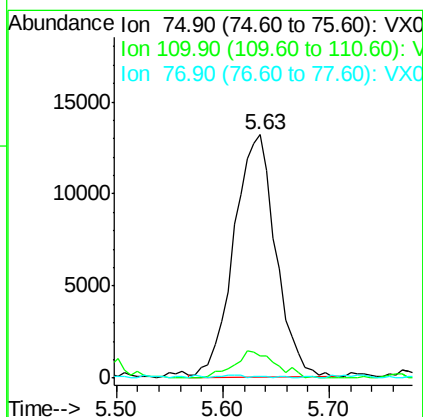
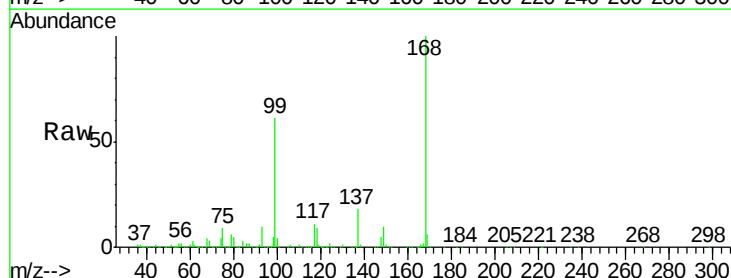
Instrument :
 MSVOA_X
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 VX0909WBL01

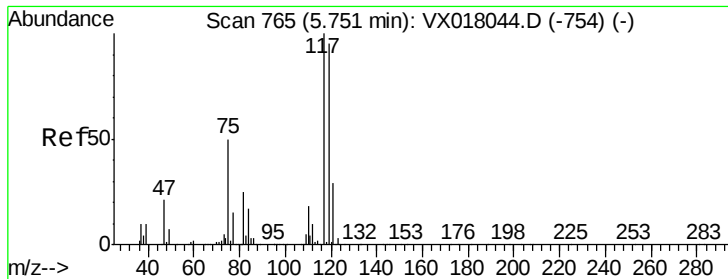
Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.0	81.6	122.4
192	19.5	15.8	23.8



#36
 1,1-Dichloropropene
 Concen: 5.547 ug/l
 RT: 5.63 min Scan# 746
 Delta R.T. -0.13 min
 Lab File: VX018312.D
 Acq: 09 Sep 2020 11:02

Tgt Ion	Ratio	Lower	Upper
75	100		
110	11.1	18.0	54.0#
77	0.3	24.4	36.6#





#38

Carbon Tetrachloride

Concen: 6.389 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX018312.D

Acq: 09 Sep 2020 11:02

Instrument :

MSVOA_X

ClientSampled :

VX0909WBL01

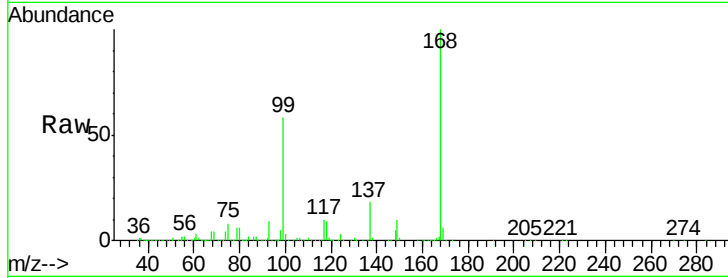
Tgt Ion: 117 Resp: 47285

Ion Ratio Lower Upper

117 100

119 8.1 75.8 113.6#

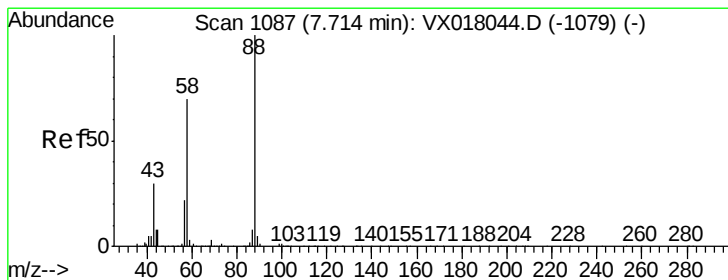
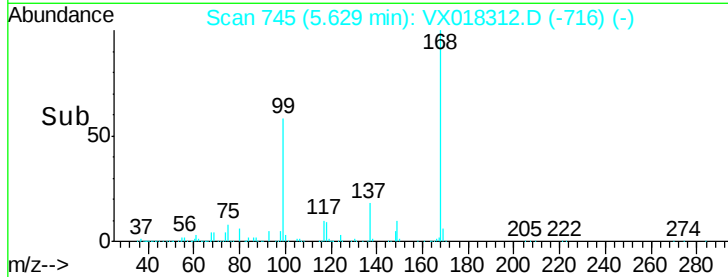
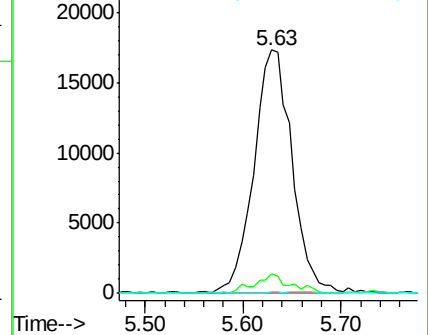
121 0.7 23.4 35.0#



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: 0.693 ug/l

RT: 7.73 min Scan# 1089

Delta R.T. 0.01 min

Lab File: VX018312.D

Acq: 09 Sep 2020 11:02

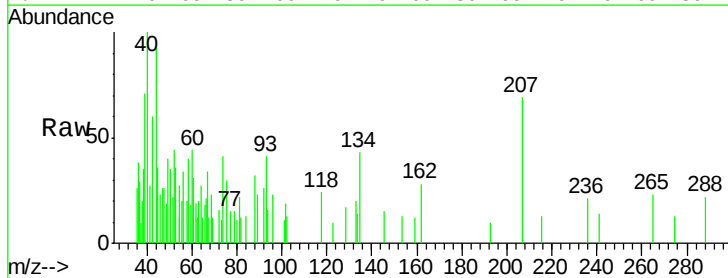
Tgt Ion: 88 Resp: 77

Ion Ratio Lower Upper

88 100

43 277.9 27.4 41.0#

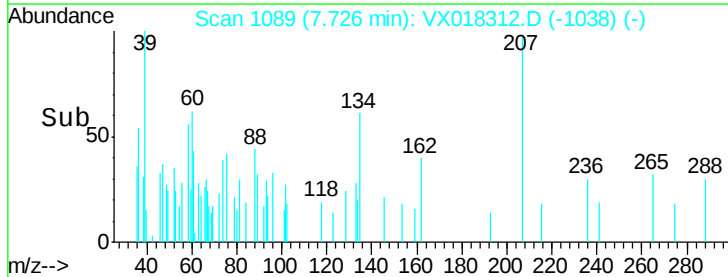
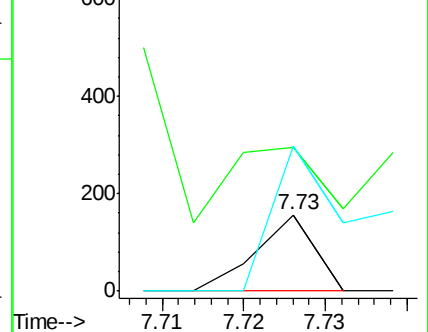
58 359.7 56.4 84.6#

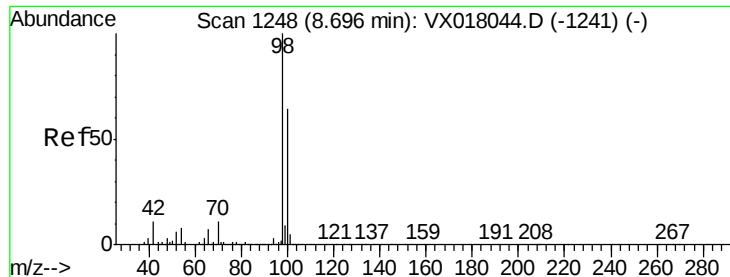


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 47.504 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX018312.D

Acq: 09 Sep 2020 11:02

Instrument :

MSVOA_X

ClientSampleId :

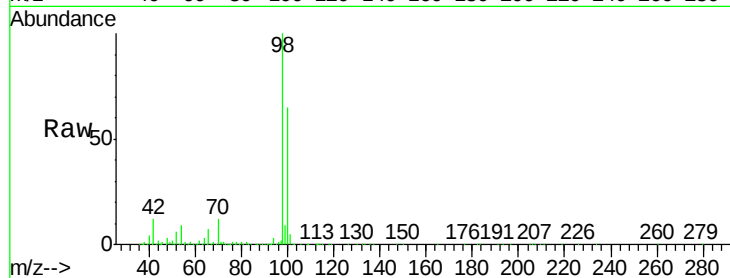
VX0909WBL01

Tgt Ion: 98 Resp: 857991

Ion Ratio Lower Upper

98 100

100 64.7 52.2 78.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX

600000

500000

400000

300000

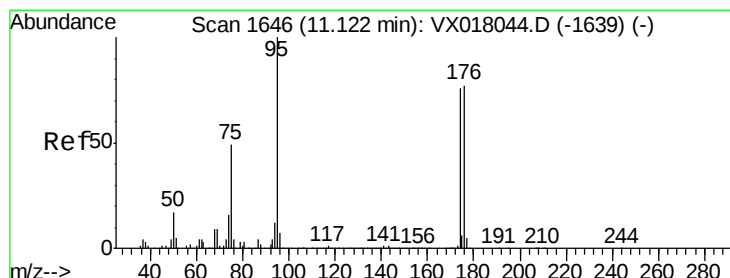
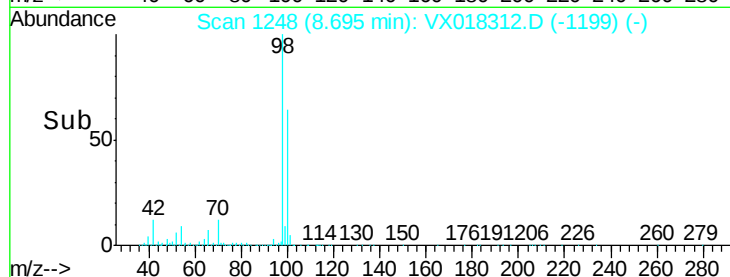
200000

100000

0

8.60 8.70 8.80

Time-->



#62

4-Bromofluorobenzene

Concen: 43.488 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX018312.D

Acq: 09 Sep 2020 11:02

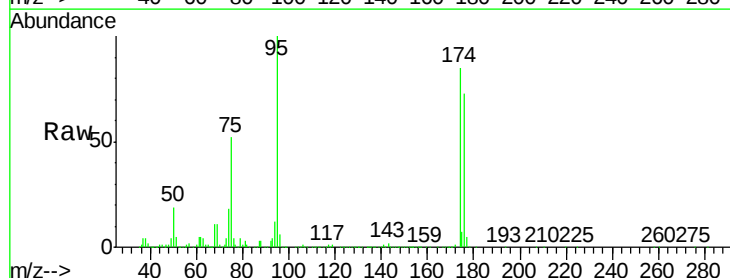
Tgt Ion: 95 Resp: 309033

Ion Ratio Lower Upper

95 100

174 84.3 0.0 160.2

176 76.5 0.0 155.8



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

300000

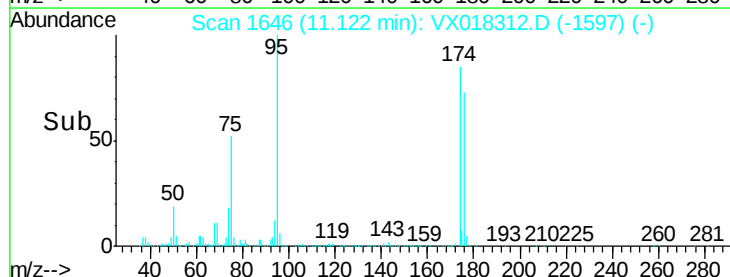
200000

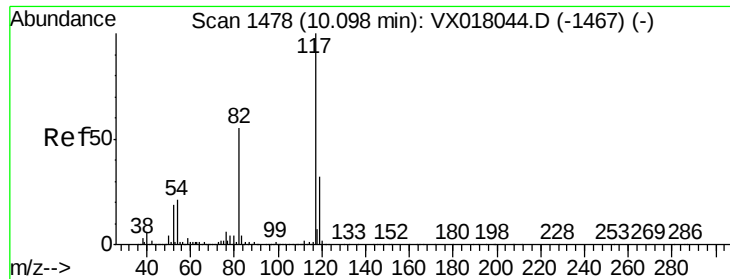
100000

0

11.05 11.10 11.15 11.20

Time-->

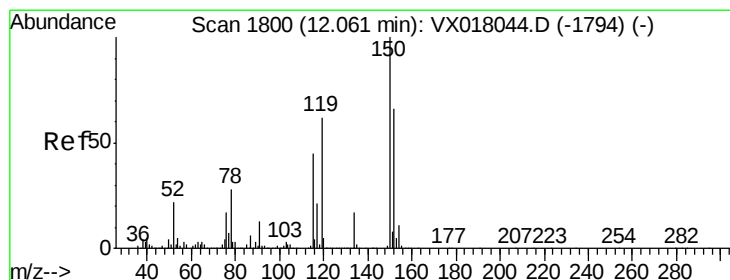
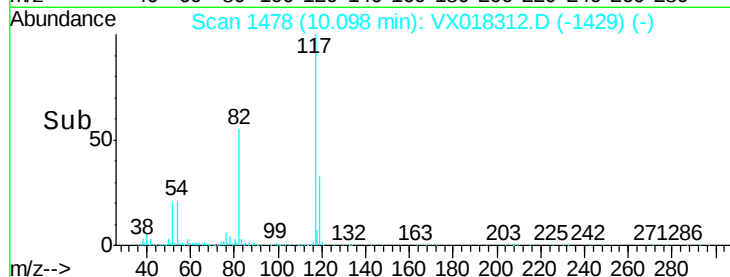
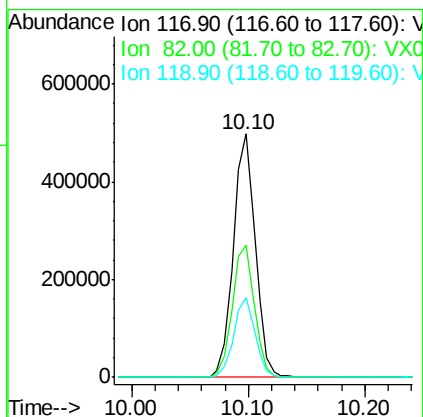
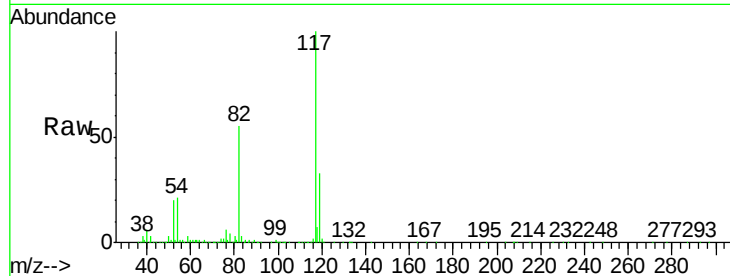




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX018312.D
Acq: 09 Sep 2020 11:02

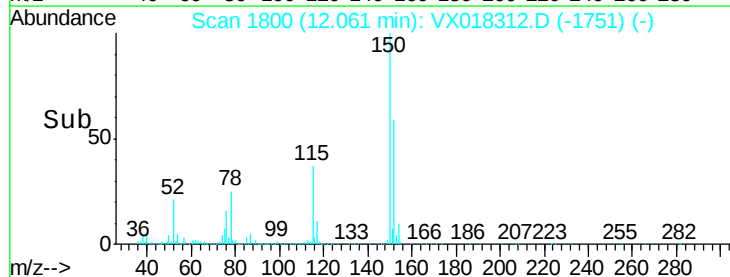
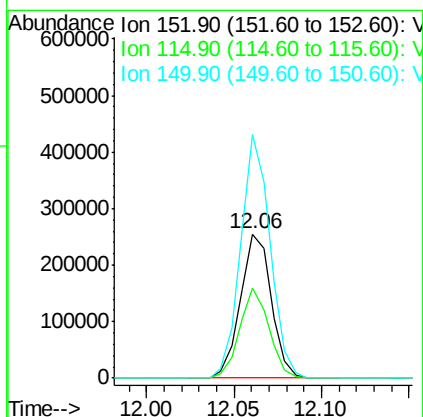
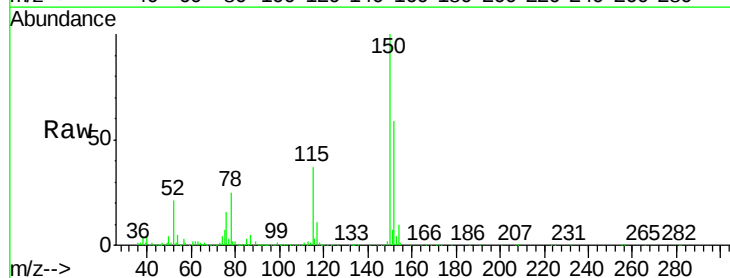
Instrument :
MSVOA_X
ClientSampleId :
VX0909WBL01

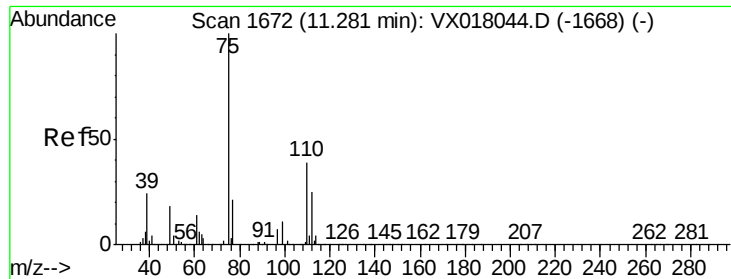
Tgt Ion:117 Resp: 654975
Ion Ratio Lower Upper
117 100
82 54.6 44.2 66.2
119 33.0 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX018312.D
Acq: 09 Sep 2020 11:02

Tgt Ion:152 Resp: 314155
Ion Ratio Lower Upper
152 100
115 59.2 41.5 124.5
150 160.9 0.0 343.8





#76

1,2,3-Trichloropropane

Concen: 23.139 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018312.D

Acq: 09 Sep 2020 11:02

Instrument :

MSVOA_X

ClientSampleId :

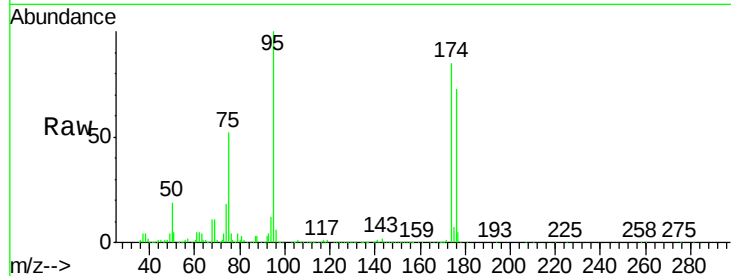
VX0909WBL01

Tgt Ion: 75 Resp: 161704

Ion Ratio Lower Upper

75 100

77 1.4 20.8 62.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.12

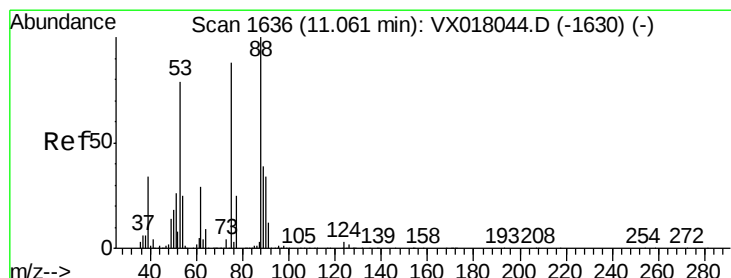
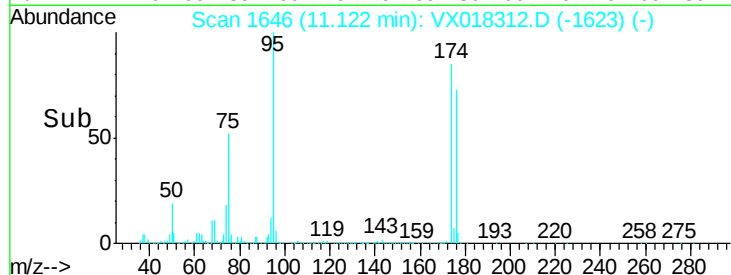
150000

100000

50000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 62.493 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX018312.D

Acq: 09 Sep 2020 11:02

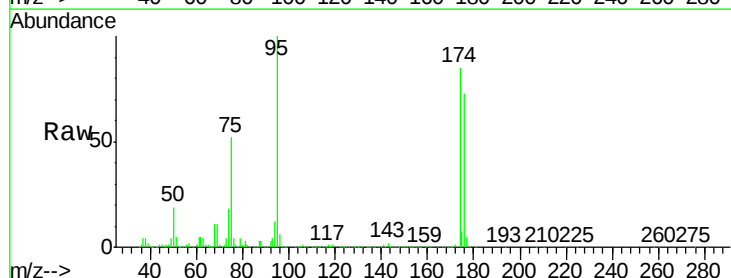
Tgt Ion: 75 Resp: 161704

Ion Ratio Lower Upper

75 100

53 0.4 74.7 112.1#

89 0.1 36.6 54.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

11.12

150000

100000

50000

0

Time-->

