

Data File : VX017259.D
Acq On : 08 Jul 2020 16:38
Operator : JC/SP
Sample : L3206-01 50X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
DRUM-COMP-1

Quant Time: Jul 09 02:32:43 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062920W.M
Quant Title : SW846 8260
QLast Update : Mon Jun 29 17:10:38 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	251437	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	419882	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	440623	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	239117	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.04	65	166911	53.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.70%	
35) Dibromofluoromethane	5.46	113	143217	53.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.84%	
50) Toluene-d8	8.70	98	508331	51.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.52%	
62) 4-Bromofluorobenzene	11.12	95	218543	56.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.84%	

Target Compounds				Qvalue		
8) Diethyl Ether	2.17	74	245	0.544	ug/l #	1
11) Tert butyl alcohol	3.00	59	9568	16.180	ug/l #	94
13) Acrolein	2.28	56	865	2.447	ug/l	83
16) Acetone	2.42	43	100337	86.529	ug/l	98
18) Methyl Acetate	2.75	43	1123	0.371	ug/l #	84
22) Diisopropyl ether	3.91	45	7756	0.912	ug/l #	1
23) Vinyl Acetate	3.91	43	18788	2.570	ug/l #	73
25) 2-Butanone	4.64	43	6769	3.503	ug/l #	87
27) cis-1,2-Dichloroethene	4.57	96	1337	0.427	ug/l	70
31) Cyclohexane	5.63	56	5078	1.213	ug/l #	4
36) 1,1-Dichloropropene	5.63	75	18452	4.650	ug/l #	52
37) Ethyl Acetate	4.64	43	6769	1.681	ug/l #	80
38) Carbon Tetrachloride	5.63	117	24921	5.702	ug/l #	18
40) Benzene	6.11	78	2801	0.240	ug/l #	76
49) 1,4-Dioxane	7.71	88	96	1.333	ug/l #	25
60) Dibromochloromethane	9.32	129	4024	1.165	ug/l #	10
64) Tetrachloroethene	9.32	164	4556	1.281	ug/l	93
76) 1,2,3-Trichloropropane	11.12	75	108552	23.086	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	108552	59.784	ug/l #	13
88) 1,4-Dichlorobenzene	12.07	146	665	Below Cal	#	1
94) Hexachlorobutadiene	13.77	225	67	0.879	ug/l #	38

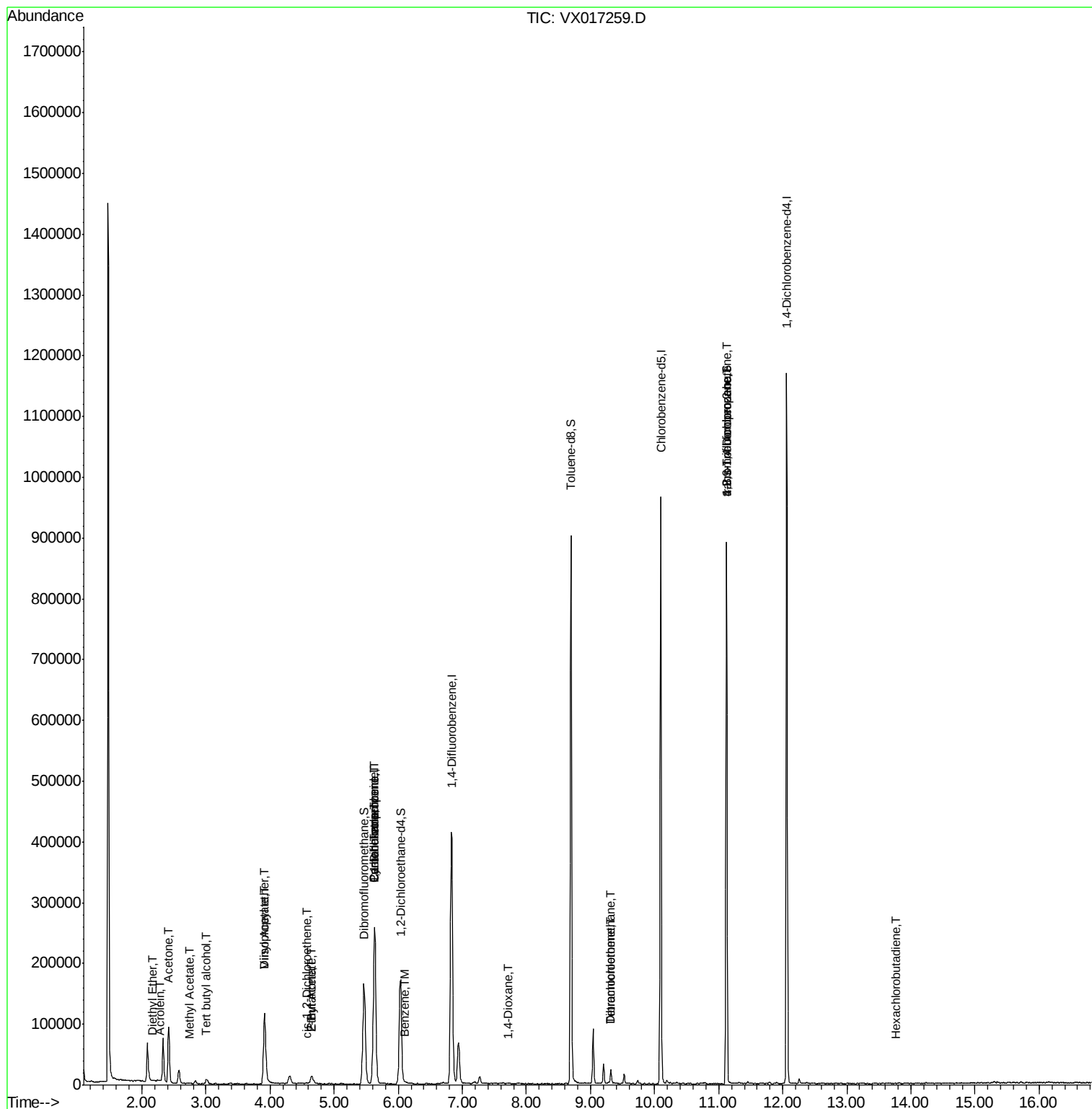
(#) = qualifier out of range (m) = manual integration (+) = signals summed

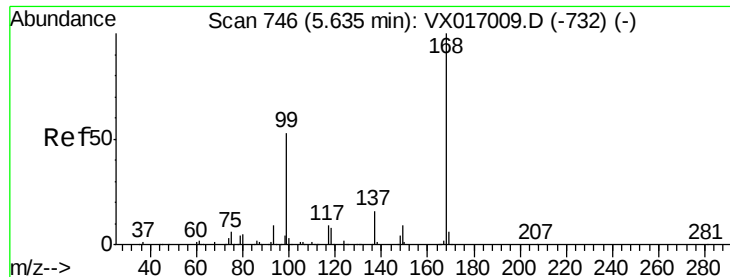
Data File : VX017259.D

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Instrument :
MSVOA_X
ClientSampleId :
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Quant Time: Jul 09 02:32:43 2020
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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.00 min

Lab File: VX017259.D

Acq: 08 Jul 2020 16:38

Instrument :

MSVOA_X

ClientSampleId :

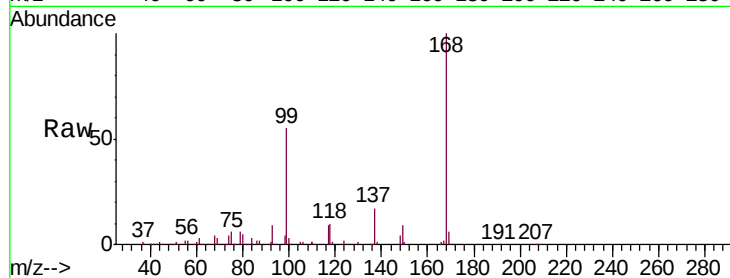
DRUM-COMP-1

Tgt Ion:168 Resp: 251437

Ion Ratio Lower Upper

168 100

99 55.0 42.6 64.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

80000

60000

40000

20000

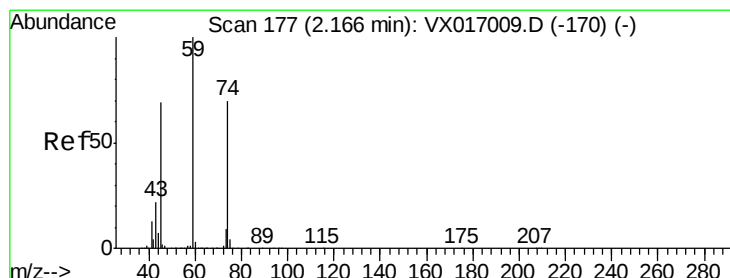
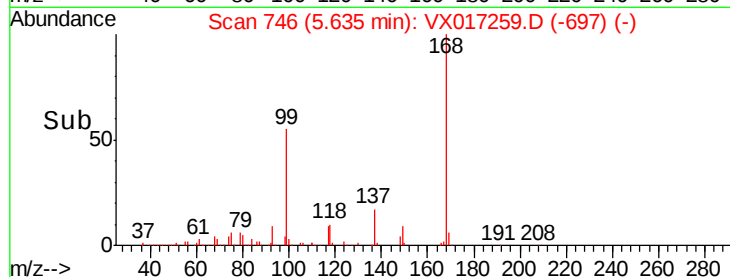
0

Time-->

5.50

5.60

5.70



#8

Diethyl Ether

Concen: 0.544 ug/l

RT: 2.17 min Scan# 177

Delta R.T. 0.00 min

Lab File: VX017259.D

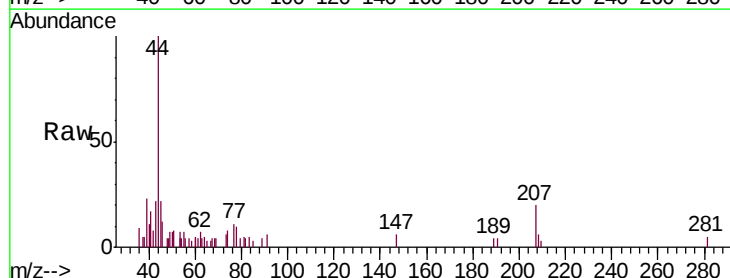
Acq: 08 Jul 2020 16:38

Tgt Ion: 74 Resp: 245

Ion Ratio Lower Upper

74 100

45 0.0 49.8 149.3#



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

1000

500

0

Time-->

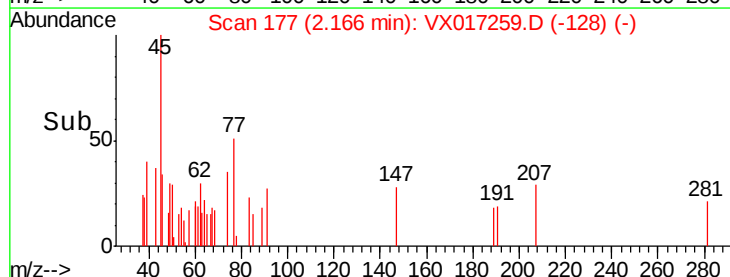
2.14

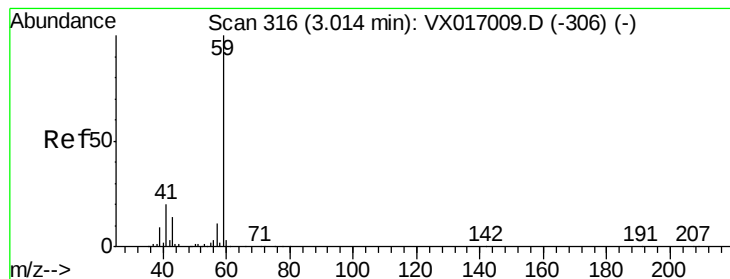
2.16

2.18

2.20

2.22



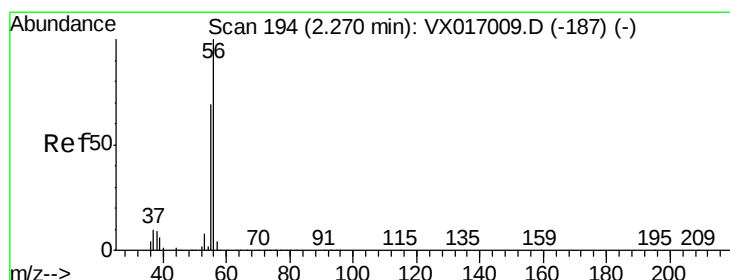
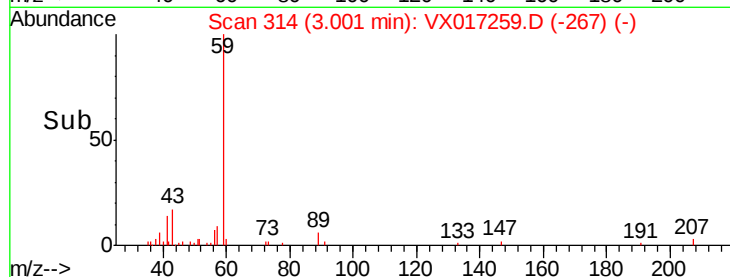
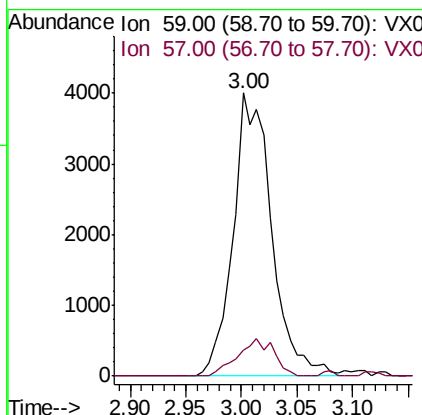
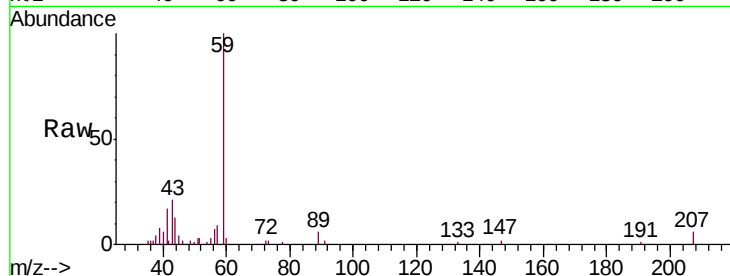


#11

Tert butyl alcohol
 Concen: 16.180 ug/l
 RT: 3.00 min Scan# 314
 Delta R.T. -0.01 min
 Lab File: VX017259.D
 Acq: 08 Jul 2020 16:38

Instrument :
 MSVOA_X
 ClientSampleId :
 DRUM-COMP-1

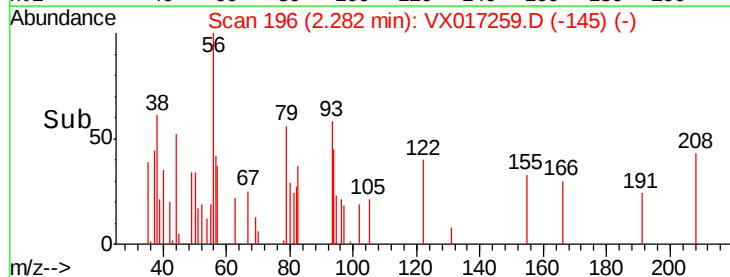
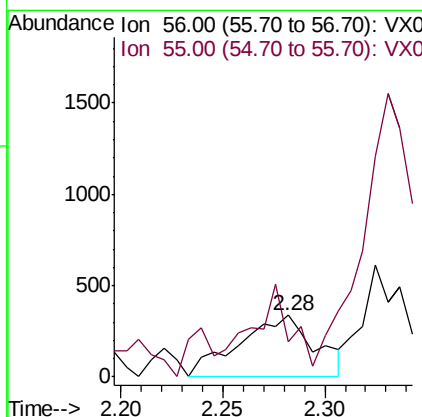
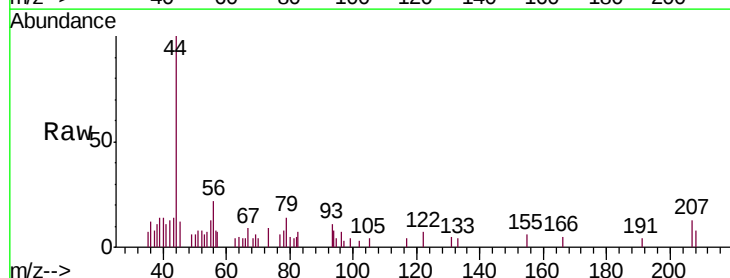
Tgt Ion: 59 Resp: 9568
 Ion Ratio Lower Upper
 59 100
 57 12.6 8.2 12.2#

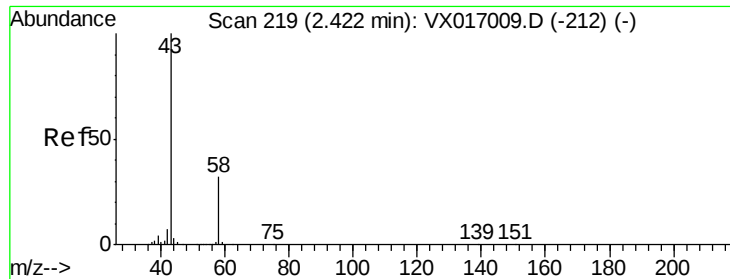


#13

Acrolein
 Concen: 2.447 ug/l
 RT: 2.28 min Scan# 196
 Delta R.T. 0.01 min
 Lab File: VX017259.D
 Acq: 08 Jul 2020 16:38

Tgt Ion: 56 Resp: 865
 Ion Ratio Lower Upper
 56 100
 55 83.1 55.7 83.5





#16

Acetone

Concen: 86.529 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX017259.D

Acq: 08 Jul 2020 16:38

Instrument :

MSVOA_X

ClientSampleId :

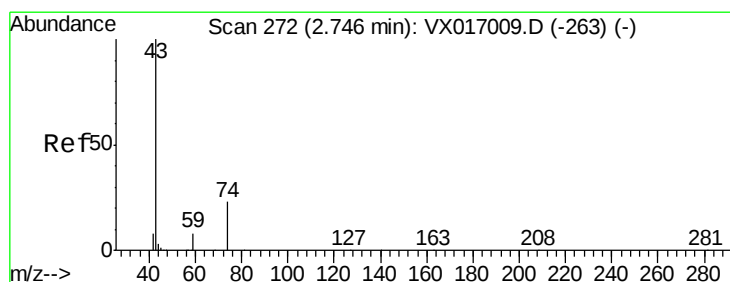
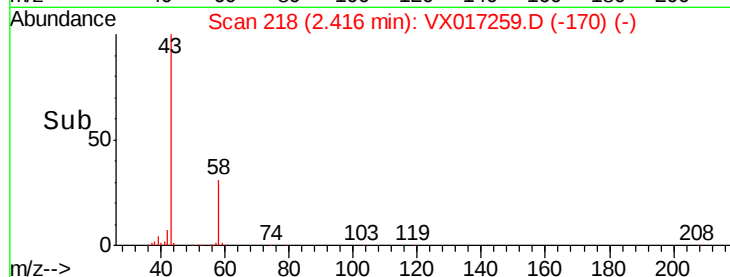
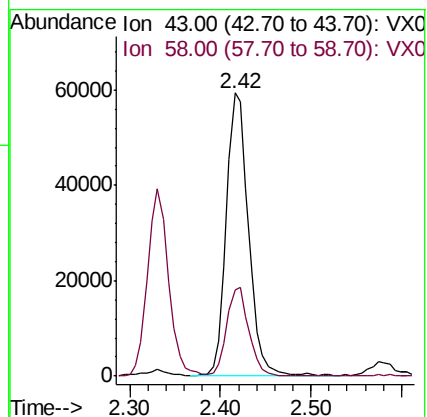
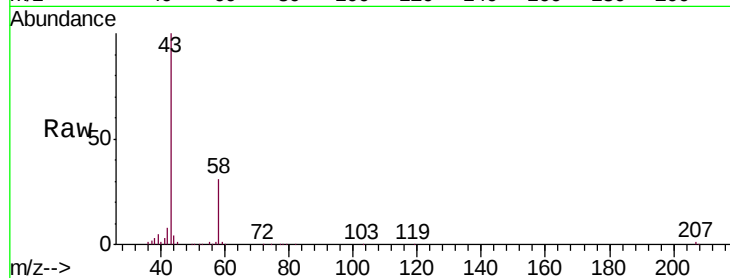
DRUM-COMP-1

Tgt Ion: 43 Resp: 100337

Ion Ratio Lower Upper

43 100

58 30.7 25.7 38.5



#18

Methyl Acetate

Concen: 0.371 ug/l

RT: 2.75 min Scan# 272

Delta R.T. -0.00 min

Lab File: VX017259.D

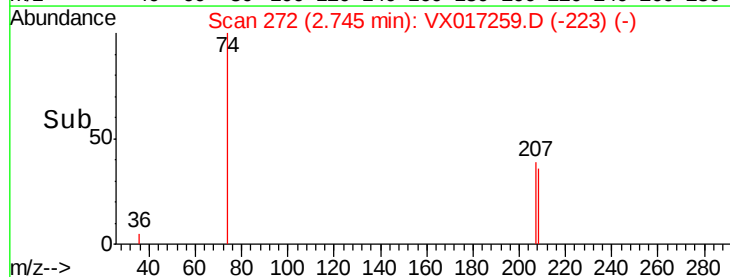
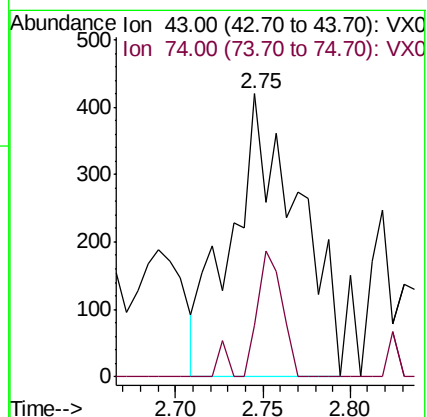
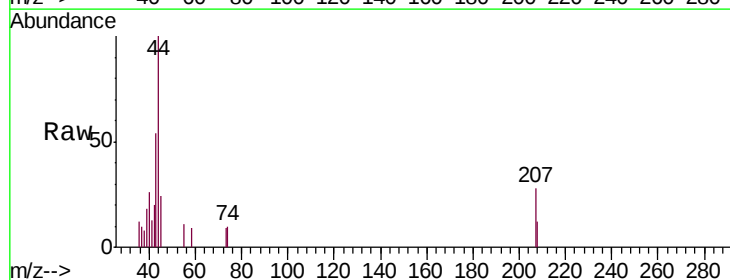
Acq: 08 Jul 2020 16:38

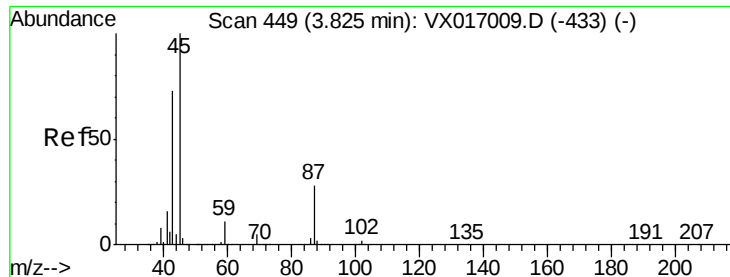
Tgt Ion: 43 Resp: 1123

Ion Ratio Lower Upper

43 100

74 16.2 19.3 28.9#

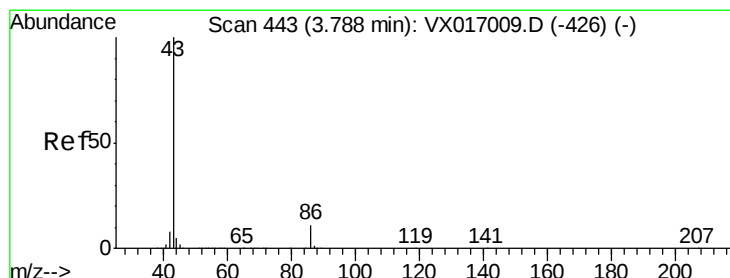
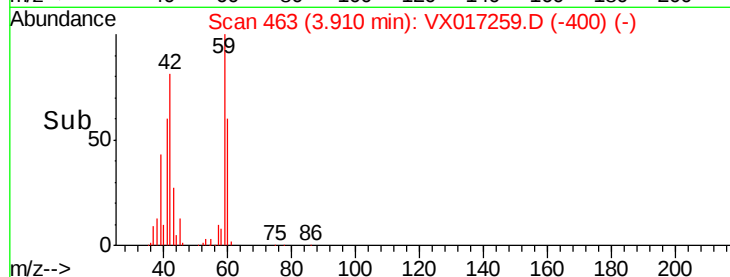
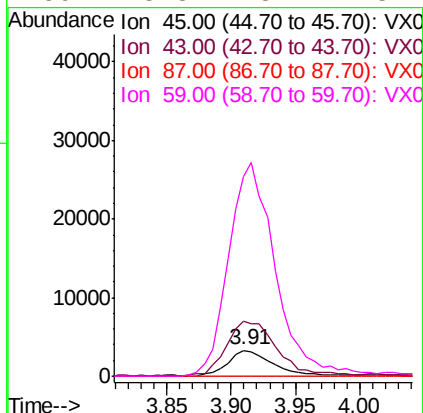
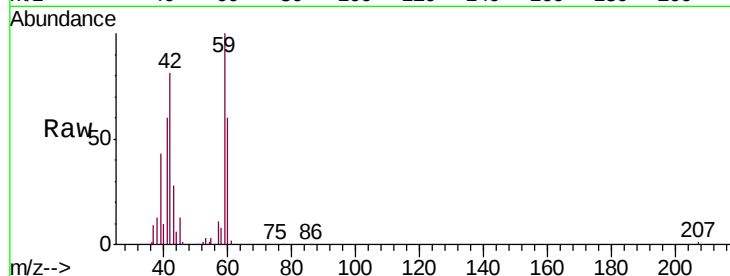




#22
Diisopropyl ether
Concen: 0.912 ug/l
RT: 3.91 min Scan# 463
Delta R.T. 0.09 min
Lab File: VX017259.D
Acq: 08 Jul 2020 16:38

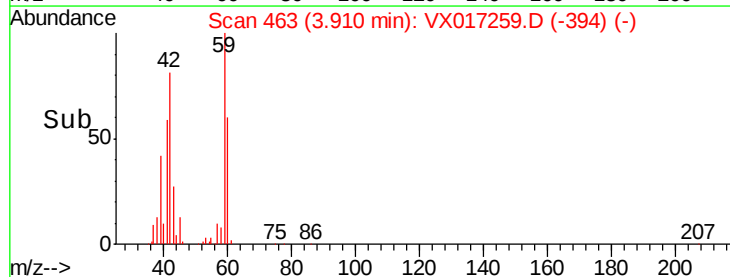
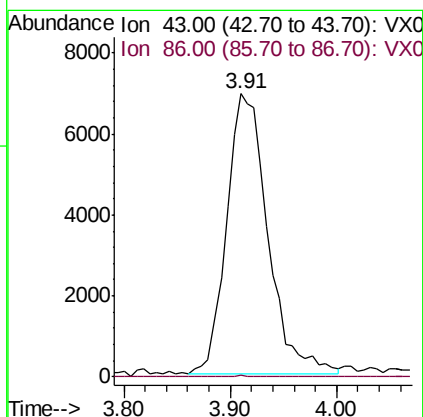
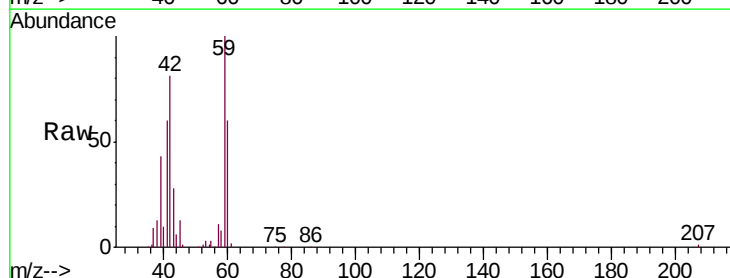
Instrument :
MSVOA_X
ClientSampleId :
DRUM-COMP-1

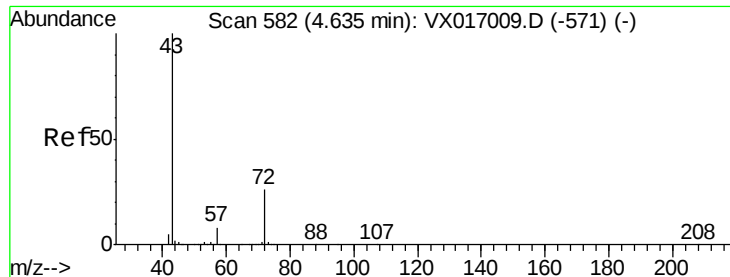
Tgt Ion:	45	Resp:	7756
Ion	Ratio	Lower	Upper
45	100		
43	208.4	58.6	88.0#
87	0.0	22.6	34.0#
59	773.8	8.7	13.1#



#23
Vinyl Acetate
Concen: 2.570 ug/l
RT: 3.91 min Scan# 463
Delta R.T. 0.12 min
Lab File: VX017259.D
Acq: 08 Jul 2020 16:38

Tgt Ion:	43	Resp:	18788
Ion	Ratio	Lower	Upper
43	100		
86	0.8	8.6	13.0#





#25

2-Butanone

Concen: 3.503 ug/l

RT: 4.64 min Scan# 583

Delta R.T. 0.01 min

Lab File: VX017259.D

Acq: 08 Jul 2020 16:38

Instrument :

MSVOA_X

ClientSampleId :

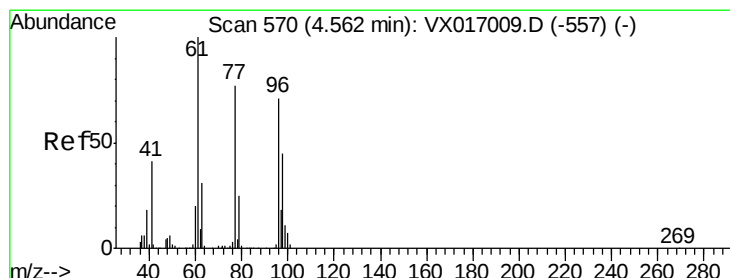
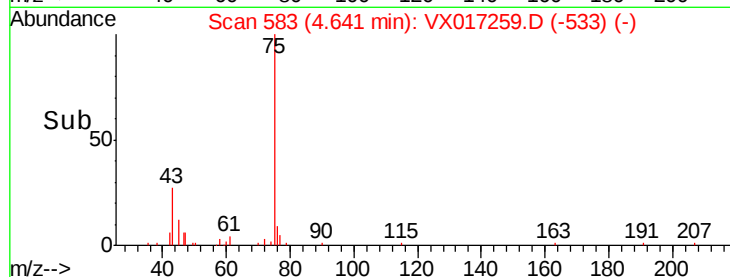
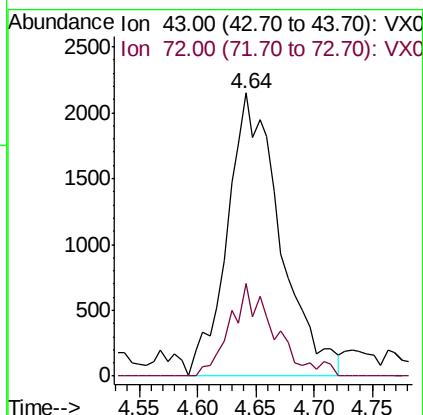
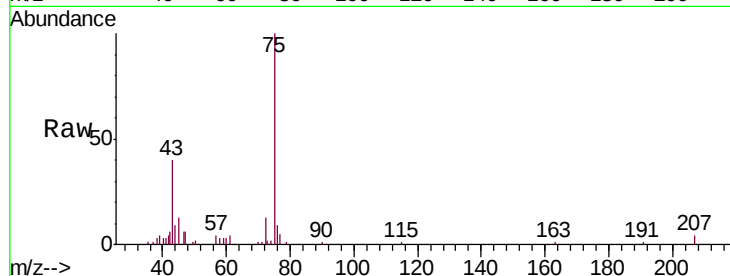
DRUM-COMP-1

Tgt Ion: 43 Resp: 6769

Ion Ratio Lower Upper

43 100

72 32.9 20.8 31.2#



#27

cis-1,2-Dichloroethene

Concen: 0.427 ug/l

RT: 4.57 min Scan# 572

Delta R.T. 0.01 min

Lab File: VX017259.D

Acq: 08 Jul 2020 16:38

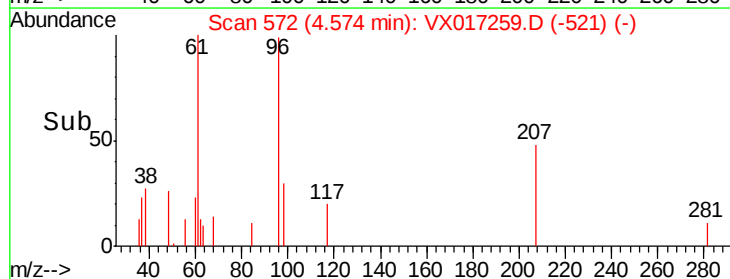
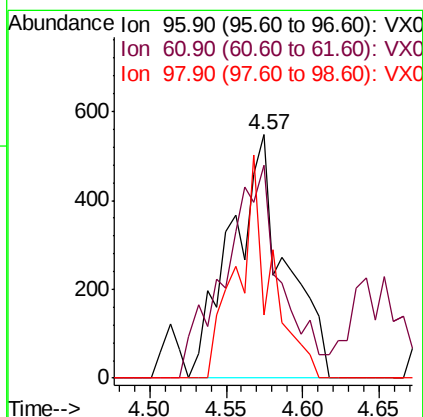
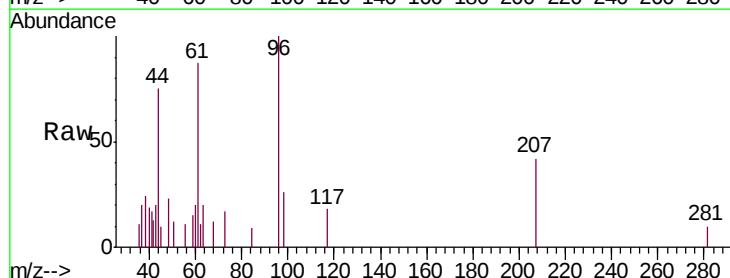
Tgt Ion: 96 Resp: 1337

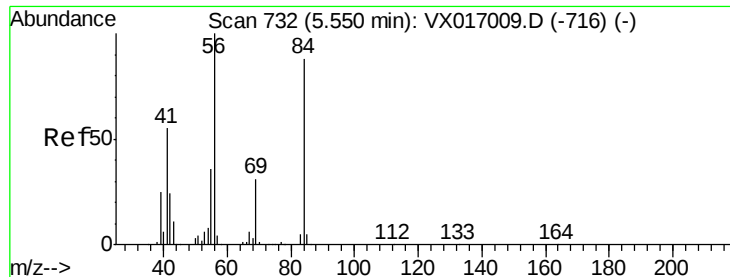
Ion Ratio Lower Upper

96 100

61 92.4 0.0 282.8

98 56.7 0.0 127.6

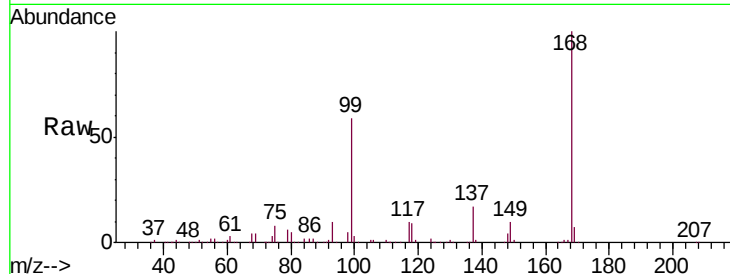




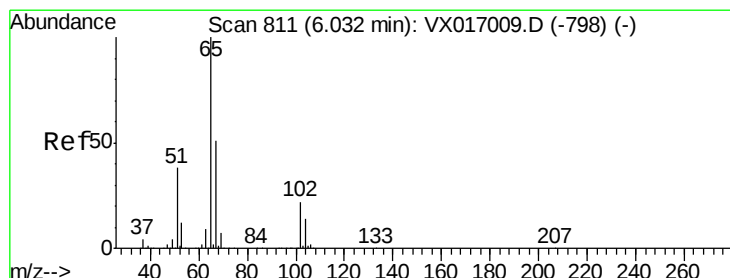
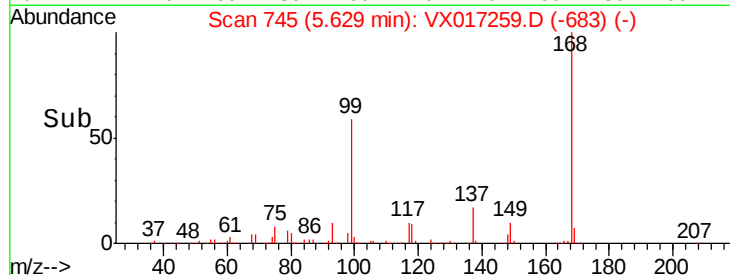
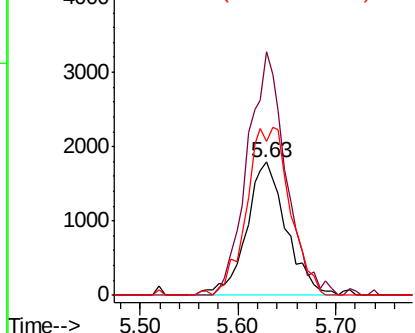
#31
Cyclohexane
Concen: 1.213 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.08 min
Lab File: VX017259.D
Acq: 08 Jul 2020 16:38

Instrument :
MSVOA_X
ClientSampleId :
DRUM-COMP-1

Tgt Ion: 56 Resp: 5078
Ion Ratio Lower Upper
56 100
69 182.6 25.0 37.4#
84 115.3 69.1 103.7#

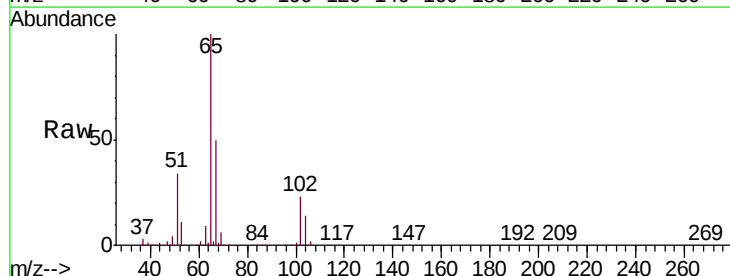


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

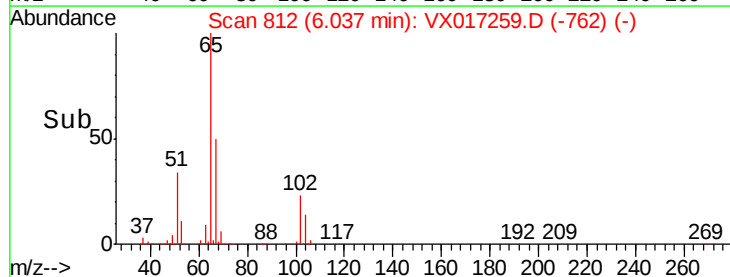
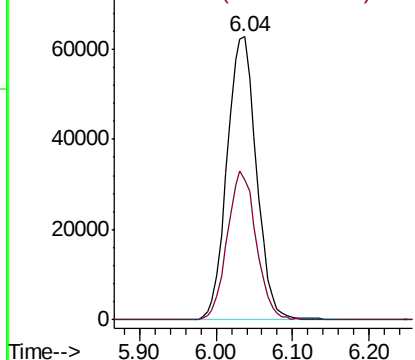


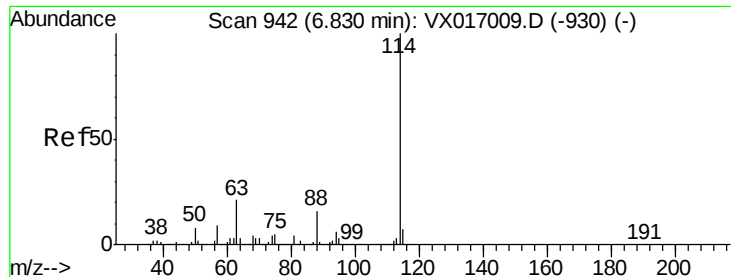
#33
1,2-Dichloroethane-d4
Concen: 53.847 ug/l
RT: 6.04 min Scan# 812
Delta R.T. 0.01 min
Lab File: VX017259.D
Acq: 08 Jul 2020 16:38

Tgt Ion: 65 Resp: 166911
Ion Ratio Lower Upper
65 100
67 51.6 0.0 103.8



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: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX017259.D

Acq: 08 Jul 2020 16:38

Instrument :

MSVOA_X

ClientSampleId :

DRUM-COMP-1

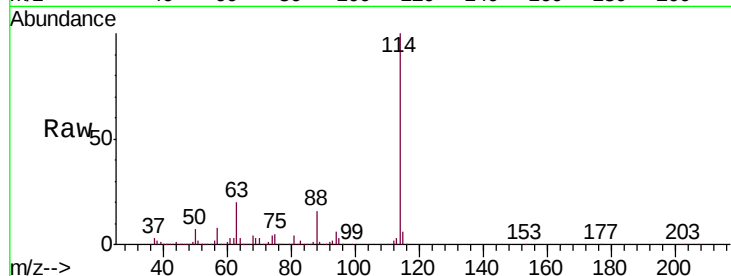
Tgt Ion:114 Resp: 419882

Ion Ratio Lower Upper

114 100

63 20.4 0.0 41.4

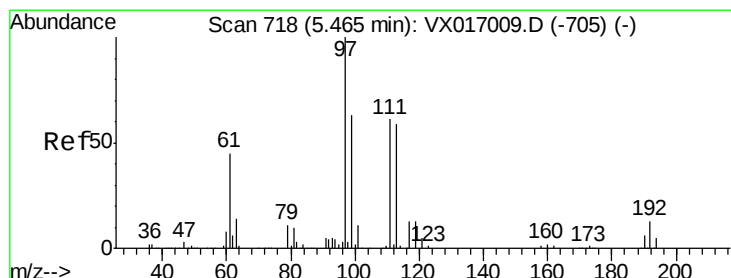
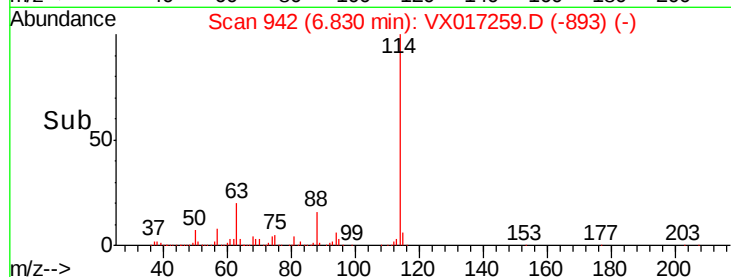
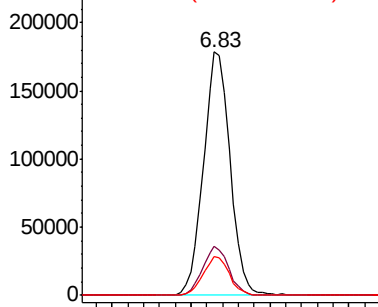
88 15.8 0.0 32.4



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: 53.921 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX017259.D

Acq: 08 Jul 2020 16:38

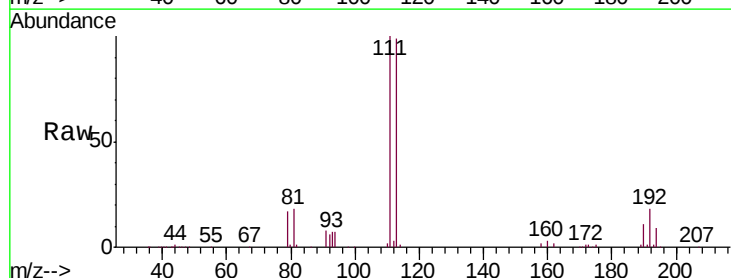
Tgt Ion:113 Resp: 143217

Ion Ratio Lower Upper

113 100

111 102.2 81.9 122.9

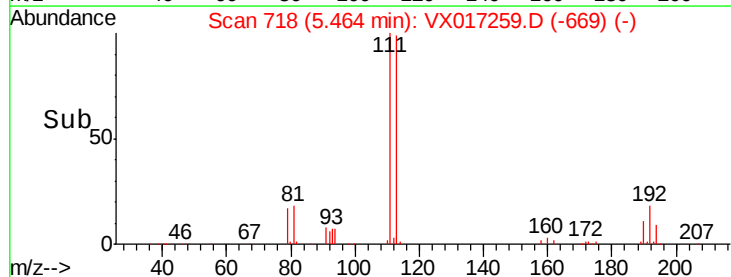
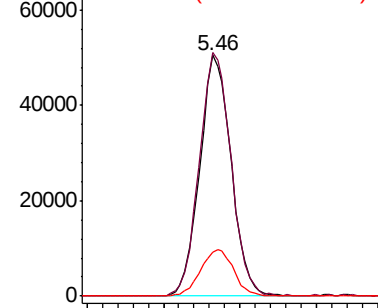
192 20.3 16.7 25.1

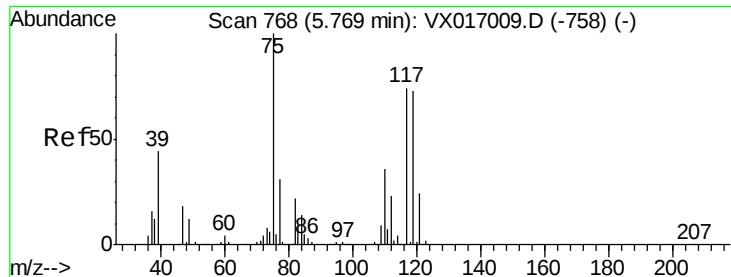


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.650 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX017259.D

Acq: 08 Jul 2020 16:38

Instrument :

MSVOA_X

ClientSampleId :

DRUM-COMP-1

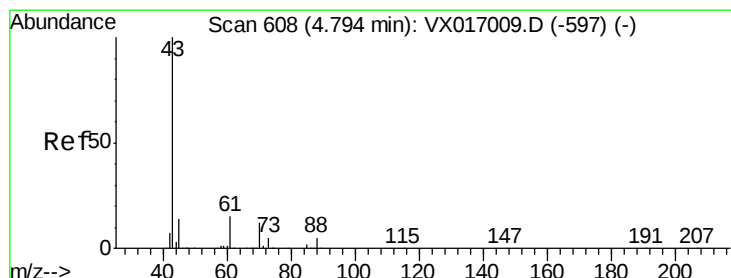
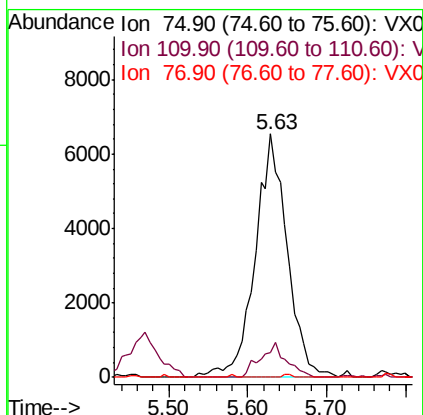
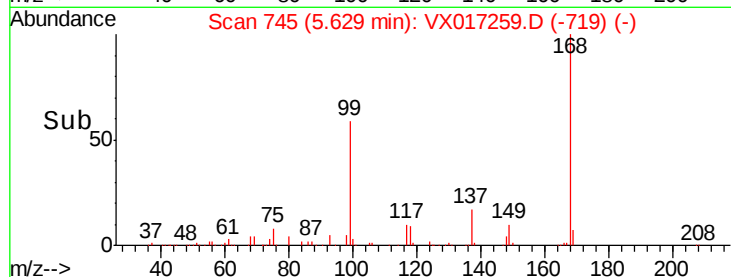
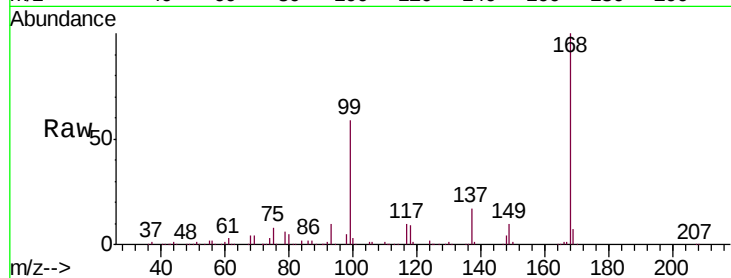
Tgt Ion: 75 Resp: 18452

Ion Ratio Lower Upper

75 100

110 11.5 18.1 54.1#

77 0.3 24.6 37.0#



#37

Ethyl Acetate

Concen: 1.681 ug/l

RT: 4.64 min Scan# 583

Delta R.T. -0.15 min

Lab File: VX017259.D

Acq: 08 Jul 2020 16:38

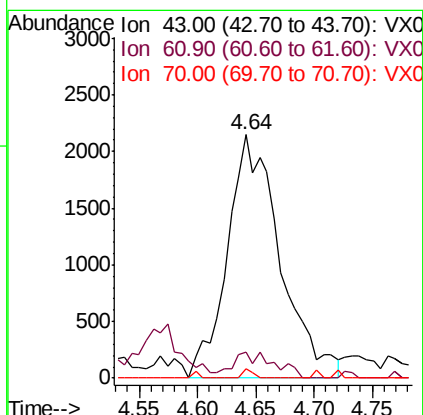
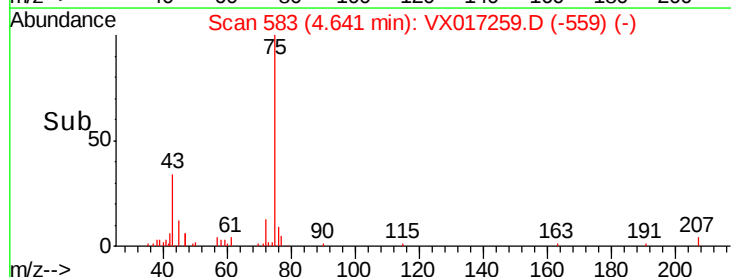
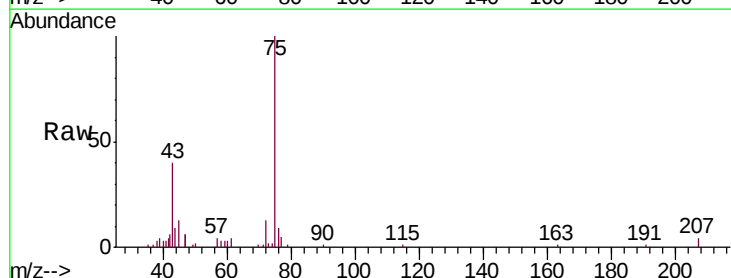
Tgt Ion: 43 Resp: 6769

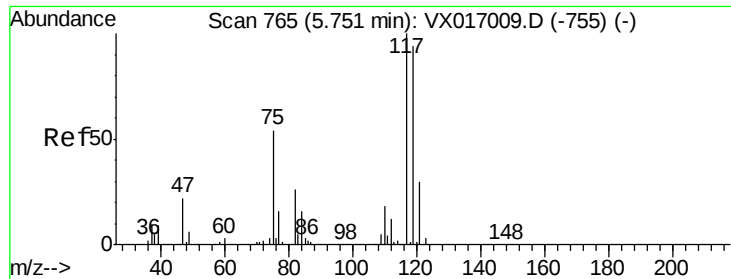
Ion Ratio Lower Upper

43 100

61 8.2 11.0 16.4#

70 0.7 8.9 13.3#





#38

Carbon Tetrachloride

Concen: 5.702 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX017259.D

Acq: 08 Jul 2020 16:38

Instrument :

MSVOA_X

ClientSampleId :

DRUM-COMP-1

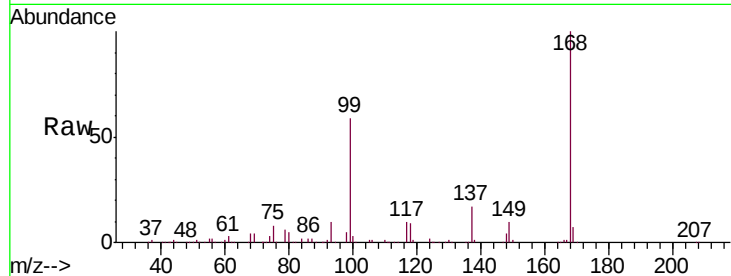
Tgt Ion:117 Resp: 24921

Ion Ratio Lower Upper

117 100

119 6.6 75.4 113.0#

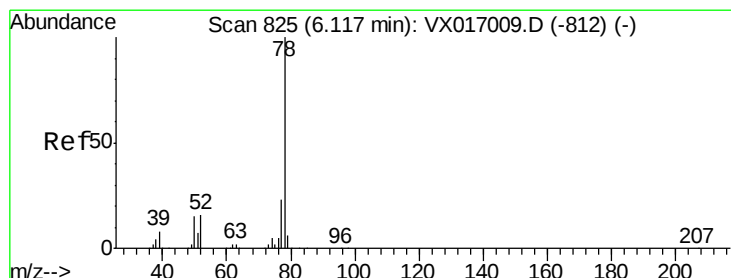
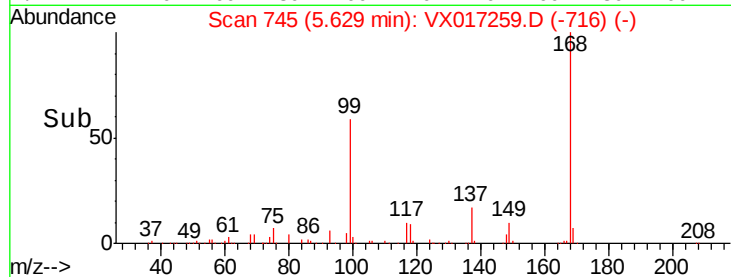
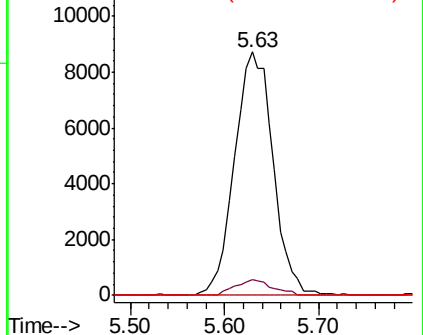
121 0.0 23.8 35.6#



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



#40

Benzene

Concen: 0.240 ug/l

RT: 6.11 min Scan# 824

Delta R.T. -0.01 min

Lab File: VX017259.D

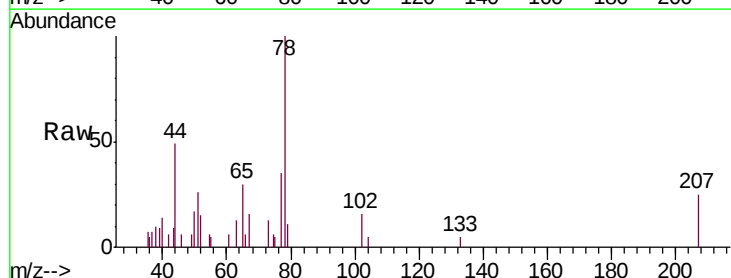
Acq: 08 Jul 2020 16:38

Tgt Ion: 78 Resp: 2801

Ion Ratio Lower Upper

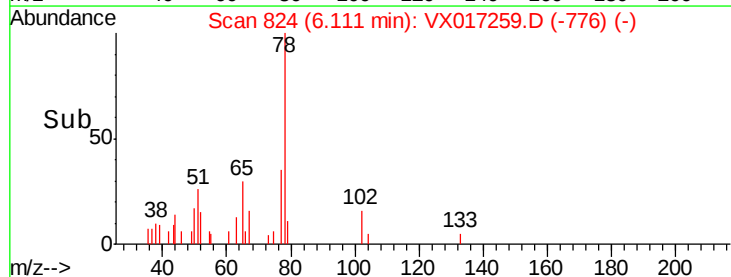
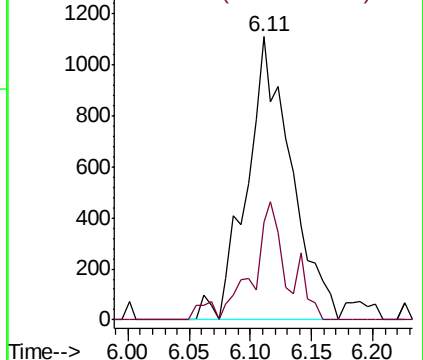
78 100

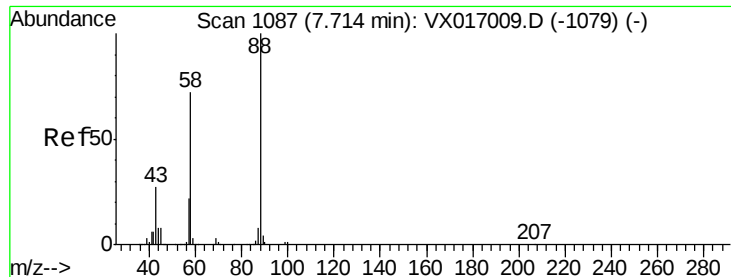
77 34.6 18.3 27.5#



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0





#49

1,4-Dioxane

Concen: 1.333 ug/l

RT: 7.71 min Scan# 1087

Delta R.T. -0.00 min

Lab File: VX017259.D

Acq: 08 Jul 2020 16:38

Instrument :

MSVOA_X

ClientSampleId :

DRUM-COMP-1

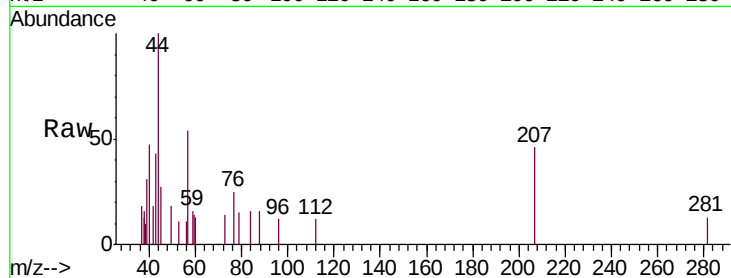
Tgt Ion: 88 Resp: 96

Ion Ratio Lower Upper

88 100

43 133.3 25.8 38.8#

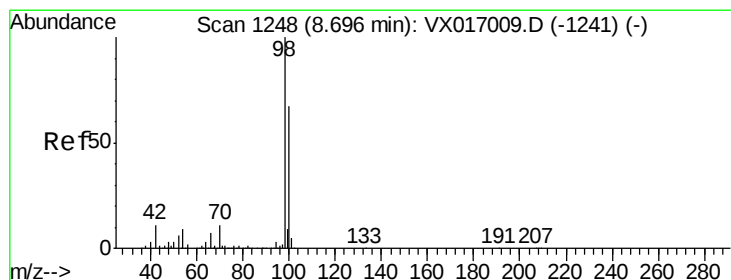
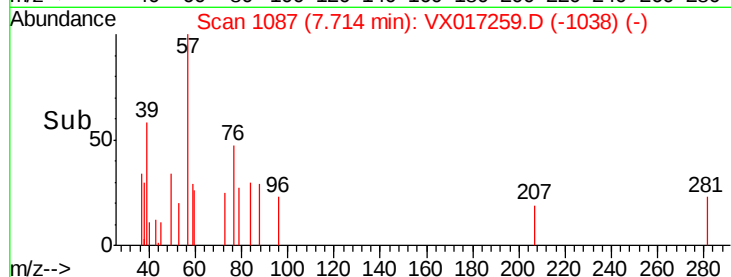
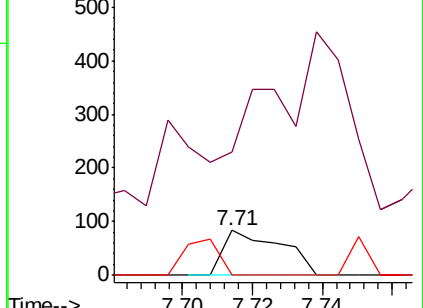
58 47.9 54.8 82.2#



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: 51.757 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX017259.D

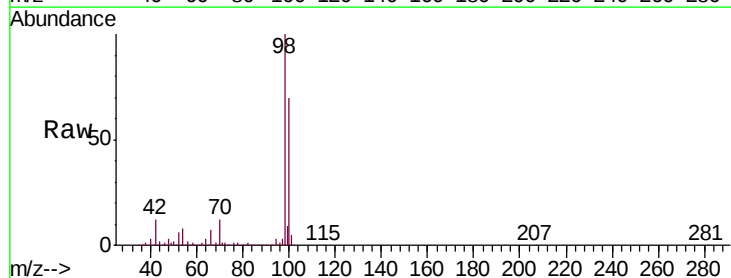
Acq: 08 Jul 2020 16:38

Tgt Ion: 98 Resp: 508331

Ion Ratio Lower Upper

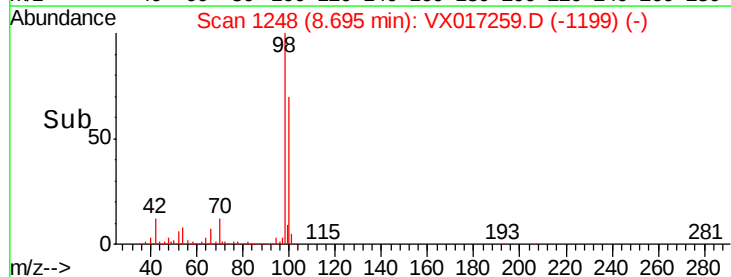
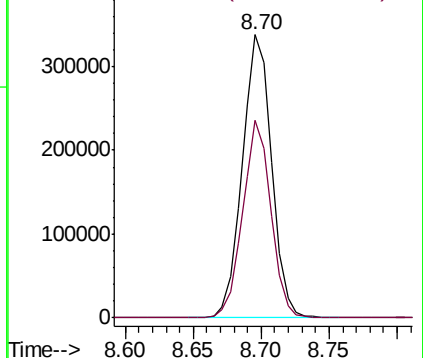
98 100

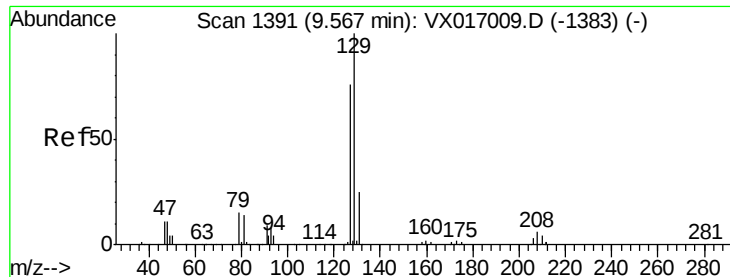
100 67.4 53.8 80.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#60

Dibromochloromethane

Concen: 1.165 ug/l

RT: 9.32 min Scan# 1350

Delta R.T. -0.25 min

Lab File: VX017259.D

Acq: 08 Jul 2020 16:38

Instrument :

MSVOA_X

ClientSampleId :

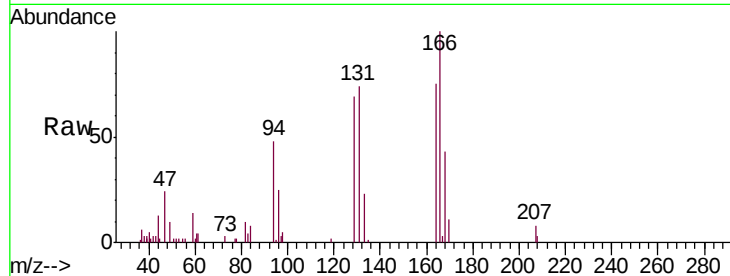
DRUM-COMP-1

Tgt Ion:129 Resp: 4024

Ion Ratio Lower Upper

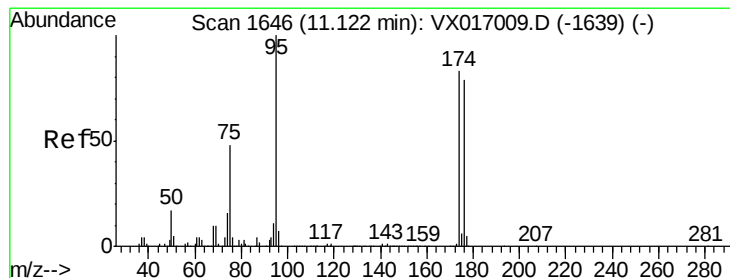
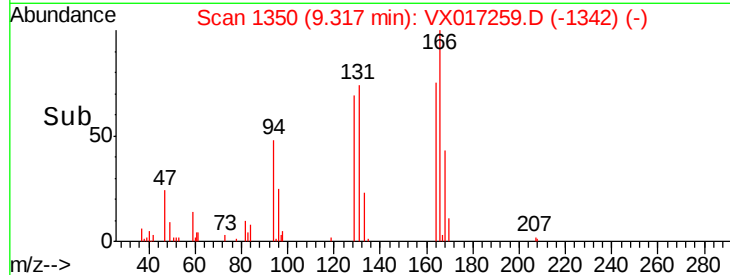
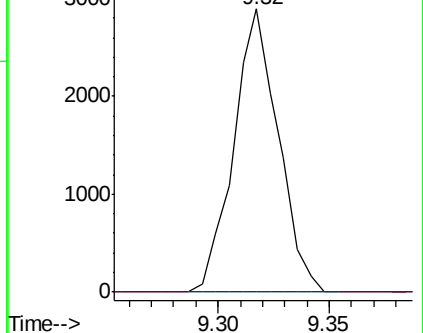
129 100

127 0.0 38.9 116.7#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: 56.922 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX017259.D

Acq: 08 Jul 2020 16:38

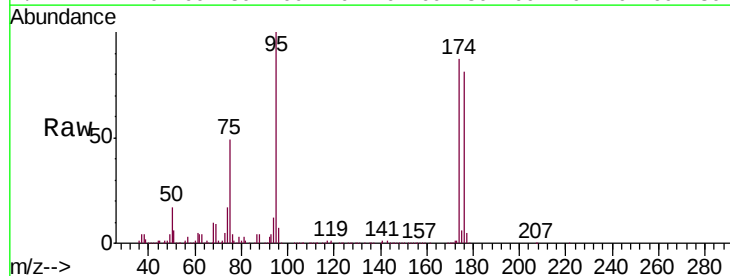
Tgt Ion: 95 Resp: 218543

Ion Ratio Lower Upper

95 100

174 84.5 0.0 164.0

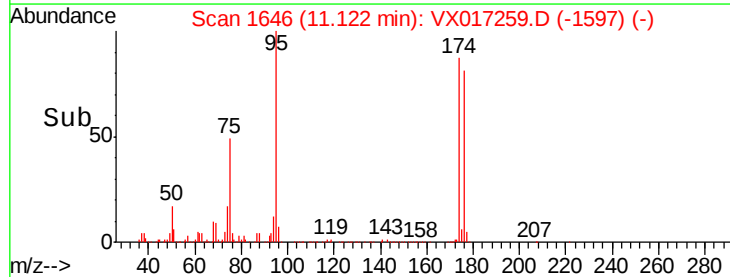
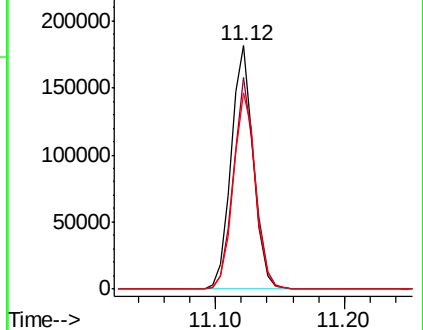
176 81.2 0.0 157.6

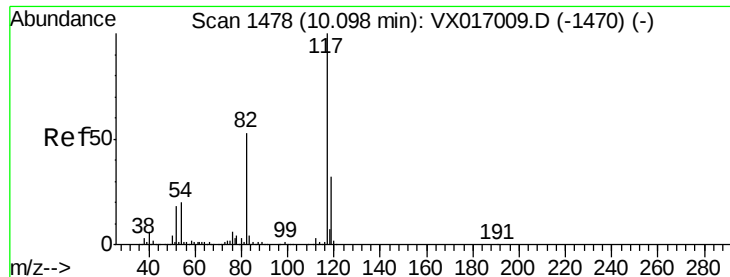


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

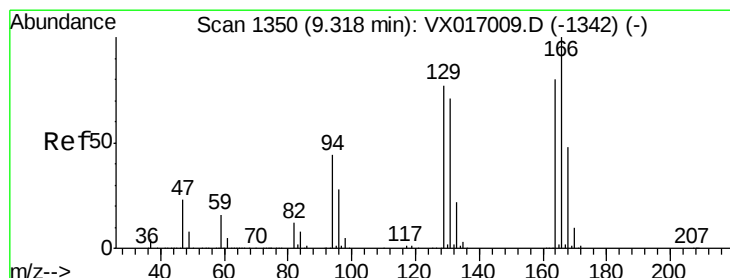
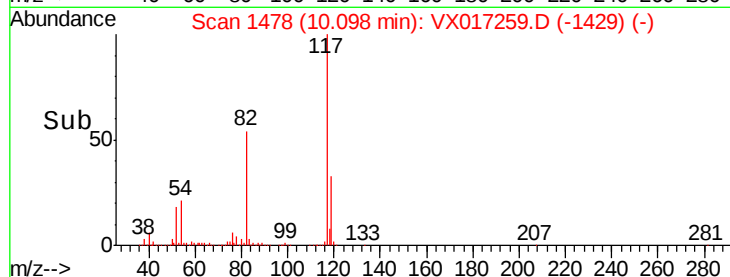
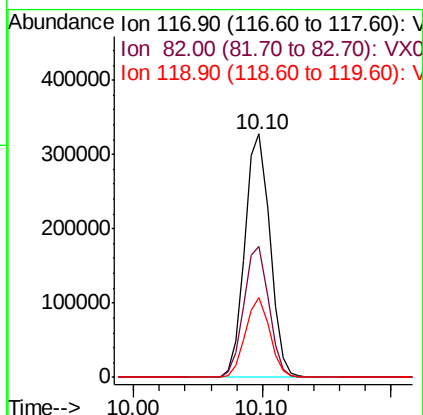
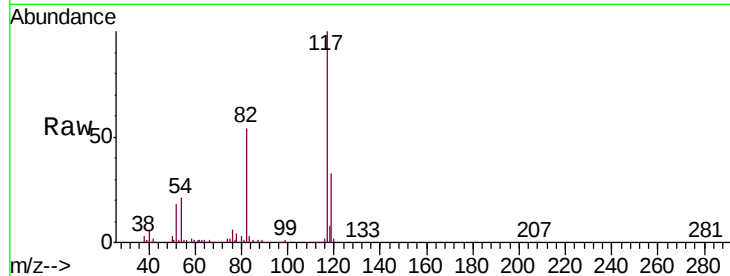




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX017259.D
Acq: 08 Jul 2020 16:38

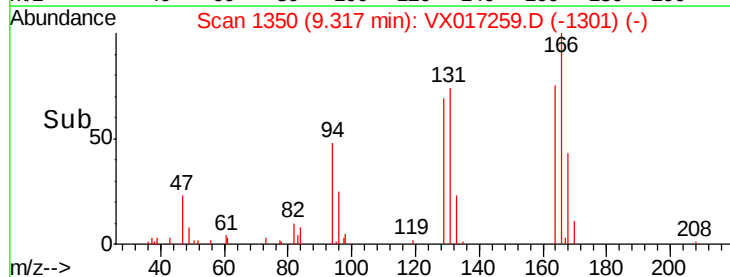
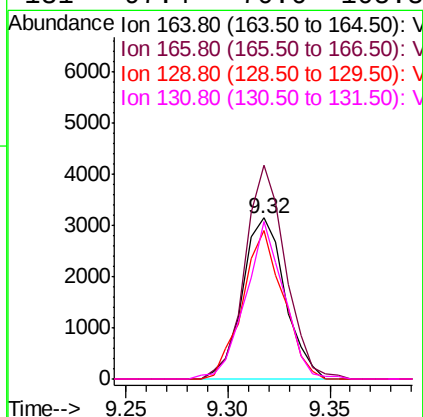
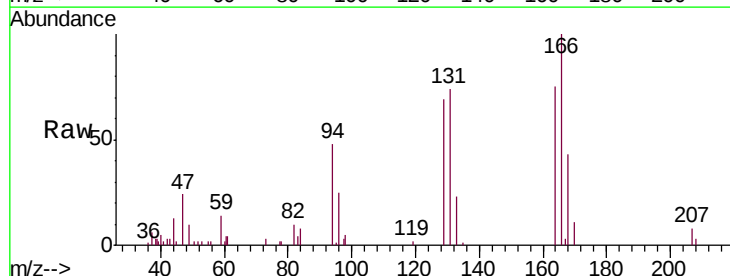
Instrument :
MSVOA_X
ClientSampled :
DRUM-COMP-1

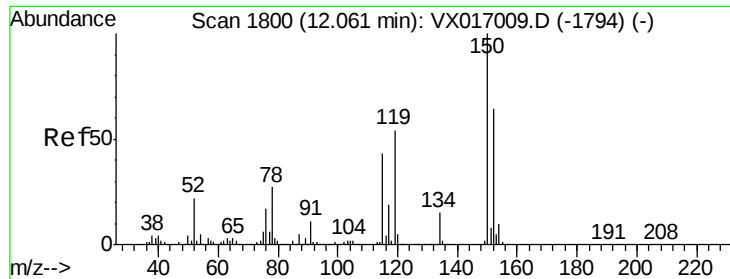
Tgt Ion:117 Resp: 440623
Ion Ratio Lower Upper
117 100
82 54.0 42.6 63.8
119 32.7 25.4 38.2



#64
Tetrachloroethene
Concen: 1.281 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. -0.00 min
Lab File: VX017259.D
Acq: 08 Jul 2020 16:38

Tgt Ion:164 Resp: 4556
Ion Ratio Lower Upper
164 100
166 132.5 99.4 149.0
129 92.0 76.3 114.5
131 97.4 70.6 105.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX017259.D

Acq: 08 Jul 2020 16:38

Instrument :

MSVOA_X

ClientSampleId :

DRUM-COMP-1

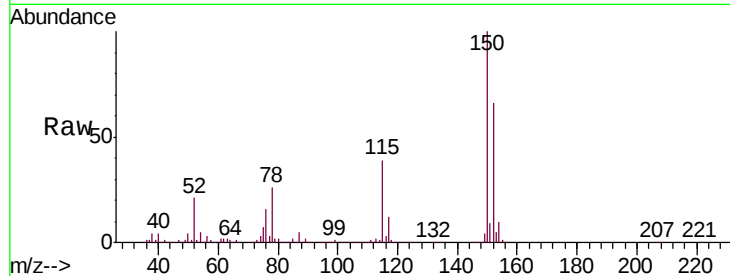
Tgt Ion:152 Resp: 239117

Ion Ratio Lower Upper

152 100

115 57.7 40.9 122.7

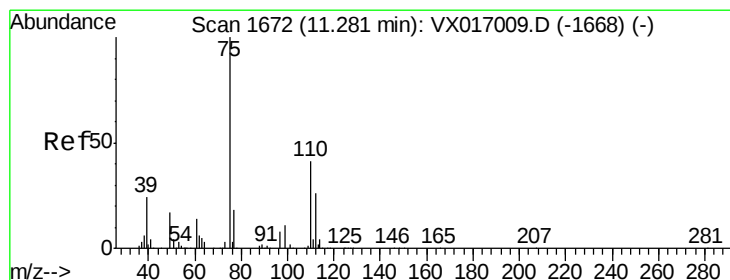
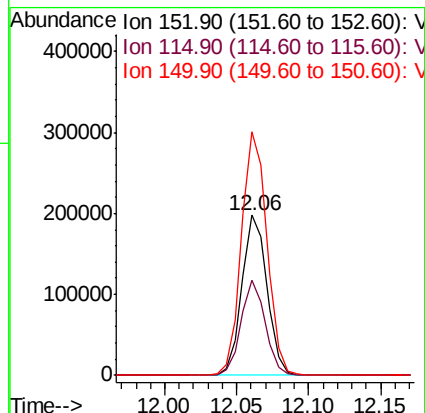
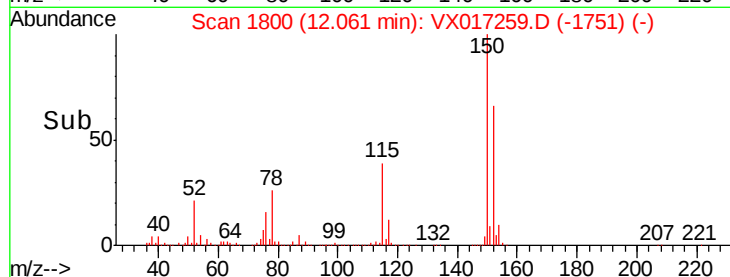
150 154.6 0.0 351.6



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: 23.086 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017259.D

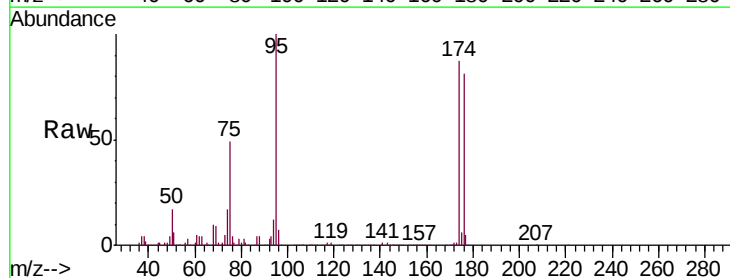
Acq: 08 Jul 2020 16:38

Tgt Ion: 75 Resp: 108552

Ion Ratio Lower Upper

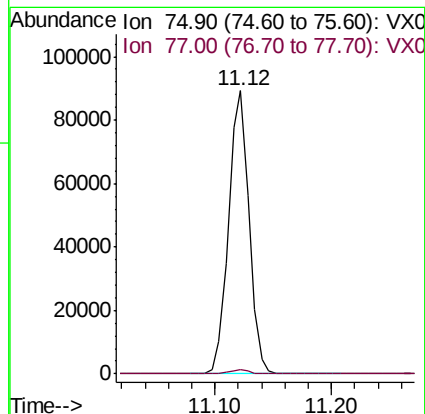
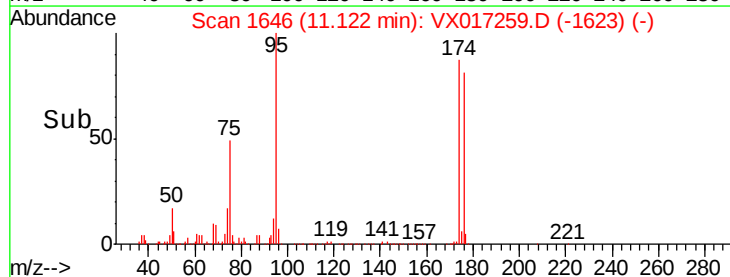
75 100

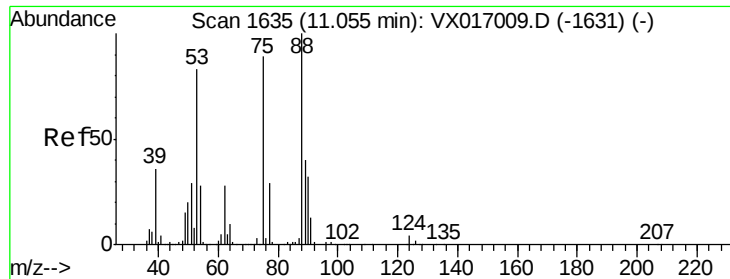
77 1.4 20.2 60.6#



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: 59.784 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX017259.D

Acq: 08 Jul 2020 16:38

Instrument :

MSVOA_X

ClientSampleId :

DRUM-COMP-1

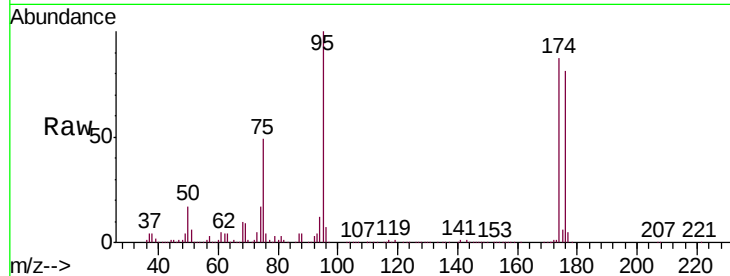
Tgt Ion: 75 Resp: 108552

Ion Ratio Lower Upper

75 100

53 0.3 72.4 108.6#

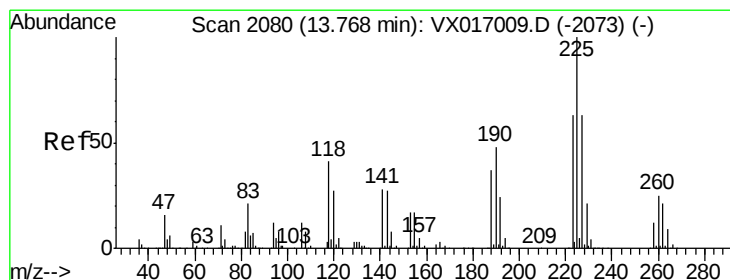
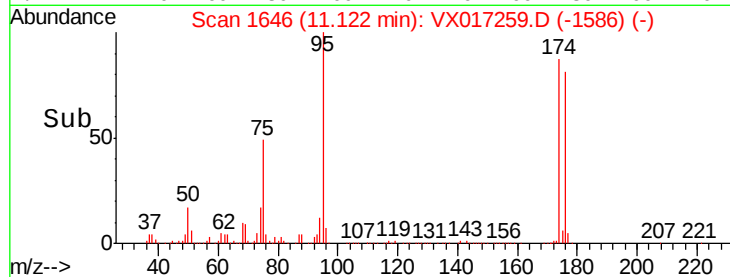
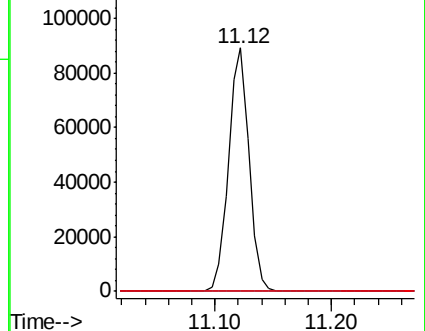
89 0.0 37.0 55.4#



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



#94

Hexachlorobutadiene

Concen: 0.879 ug/l

RT: 13.77 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX017259.D

Acq: 08 Jul 2020 16:38

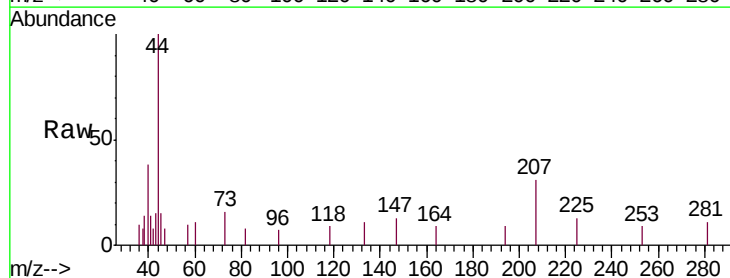
Tgt Ion: 225 Resp: 67

Ion Ratio Lower Upper

225 100

223 0.0 32.5 97.5#

227 100.0 33.1 99.2#



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

