

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091820\
 Data File : VX018498.D
 Acq On : 18 Sep 2020 17:26
 Operator : JC/SP
 Sample : L4058-08
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
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Quant Time: Sep 19 01:57:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091720W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 17 12:17:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	552510	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	901996	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	844672	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	431987	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	373625	47.80	ug/l	0.00
Spiked Amount			Recovery	=	95.60%	
35) Dibromofluoromethane	5.47	113	296608	47.57	ug/l	0.00
Spiked Amount			Recovery	=	95.14%	
50) Toluene-d8	8.70	98	1083630	47.83	ug/l	0.00
Spiked Amount			Recovery	=	95.66%	
62) 4-Bromofluorobenzene	11.12	95	410140	45.51	ug/l	0.00
Spiked Amount			Recovery	=	91.02%	

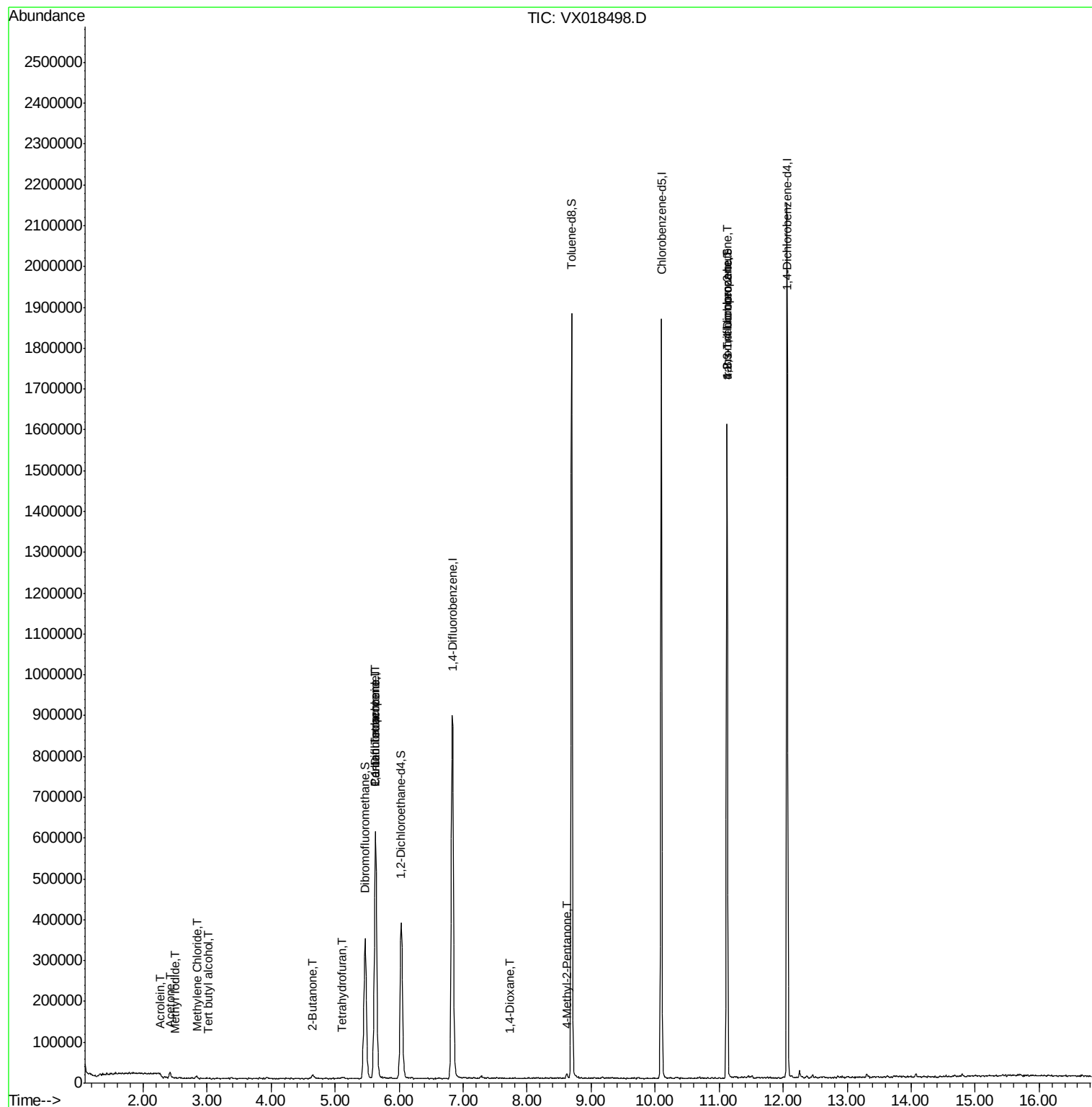
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	2.51	142	745	5.017	ug/l #	48
11) Tert butyl alcohol	3.01	59	913	0.671	ug/l #	90
13) Acrolein	2.26	56	189	0.219	ug/l #	12
16) Acetone	2.42	43	15760	5.272	ug/l	95
20) Methylene Chloride	2.84	84	2656	0.403	ug/l #	90
25) 2-Butanone	4.65	43	6058	1.301	ug/l #	81
29) Tetrahydrofuran	5.11	42	1573	0.536	ug/l #	58
36) 1,1-Dichloropropene	5.64	75	40841	4.665	ug/l #	52
38) Carbon Tetrachloride	5.63	117	58930	6.078	ug/l #	20
49) 1,4-Dioxane	7.73	88	149	1.194	ug/l #	1
51) 4-Methyl-2-Pentanone	8.62	43	7098	0.768	ug/l	88
76) 1,2,3-Trichloropropane	11.12	75	209366	23.063	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	209366	59.099	ug/l #	12

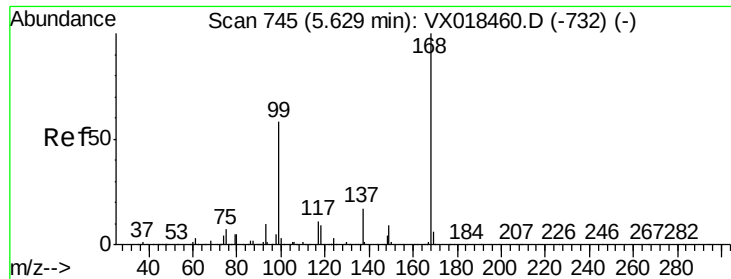
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampled :
FIELD-BLANK

Quant Time: Sep 19 01:57:54 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X091720W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 17 12:17:36 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: VX018498.D

Acq: 18 Sep 2020 17:26

Instrument :

MSVOA_X

ClientSampleId :

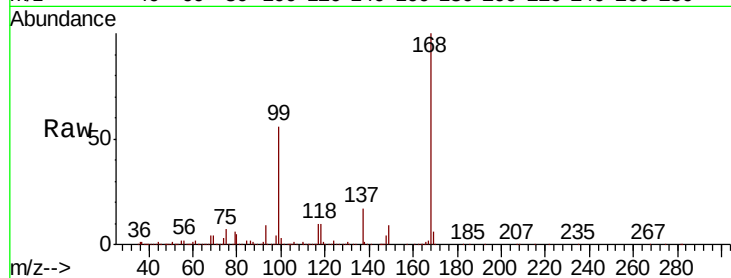
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Tot Ion:168 Resp: 552510

Ion Ratio Lower Upper

168 100

99 55.5 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

250000

200000

150000

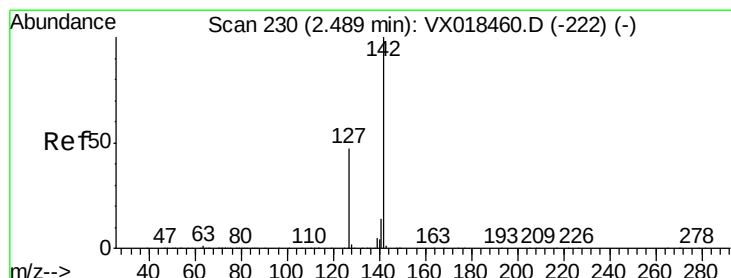
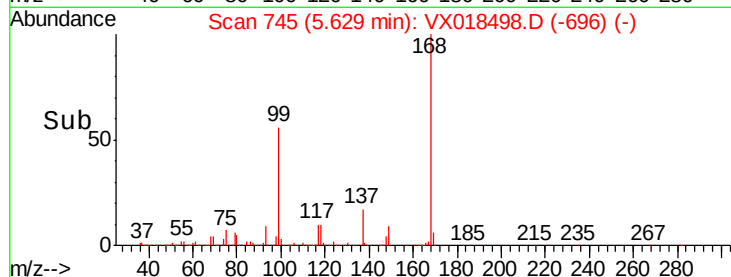
100000

50000

0

5.50 5.60 5.70 5.80

Time-->



#10

Methyl Iodide

Concen: 5.017 ug/l

RT: 2.51 min Scan# 233

Delta R.T. 0.02 min

Lab File: VX018498.D

Acq: 18 Sep 2020 17:26

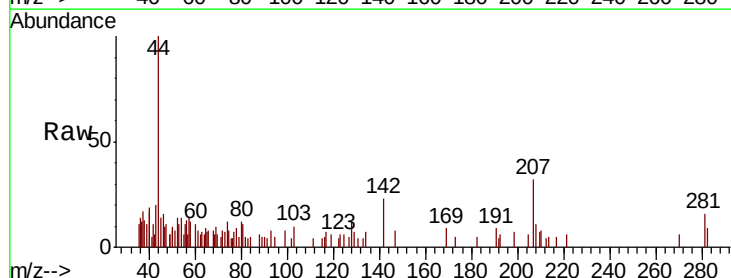
Tgt Ion:142 Resp: 745

Ion Ratio Lower Upper

142 100

127 7.8 36.0 54.0#

141 0.0 11.9 17.9#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

400

300

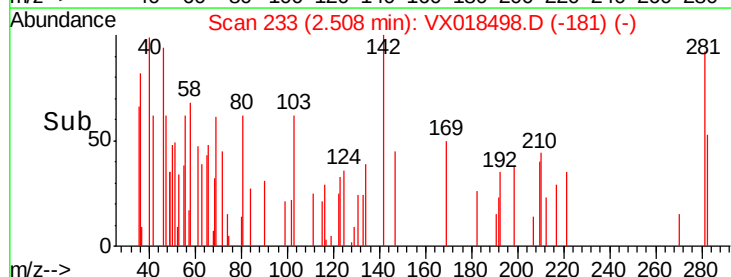
200

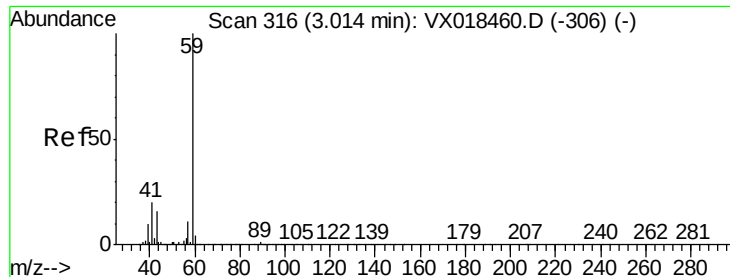
100

0

2.45 2.50 2.55

Time-->



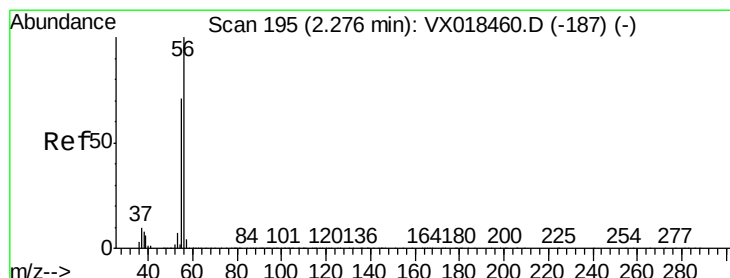
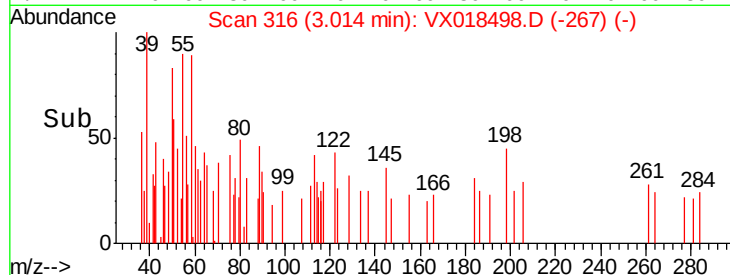
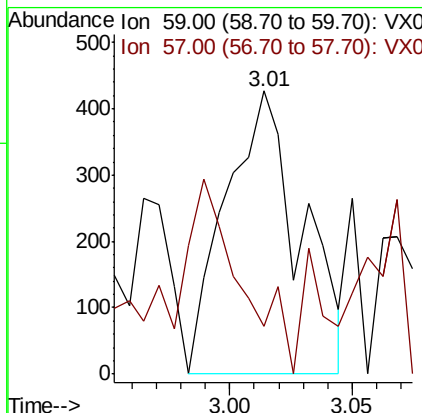
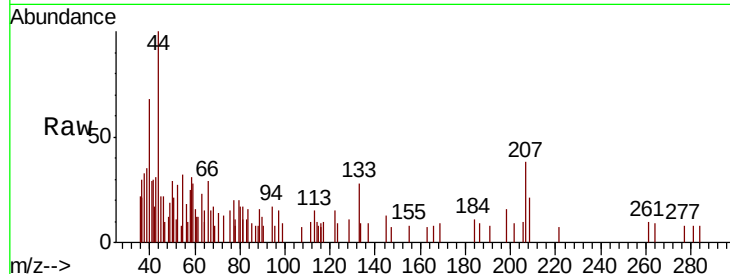


#11

Tert butyl alcohol
 Concen: 0.671 ug/l
 RT: 3.01 min Scan# 316
 Delta R.T. 0.00 min
 Lab File: VX018498.D
 Acq: 18 Sep 2020 17:26

Instrument :
 MSVOA_X
 ClientSampleId :
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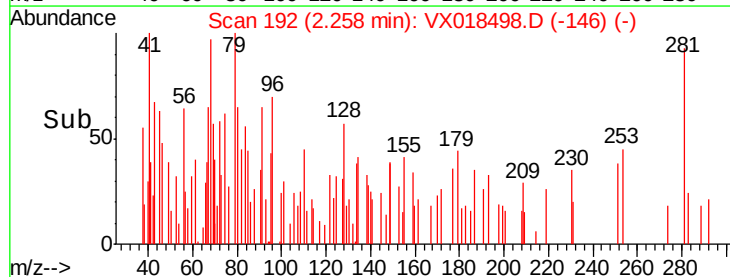
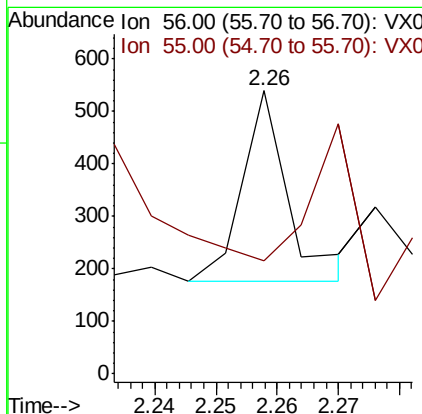
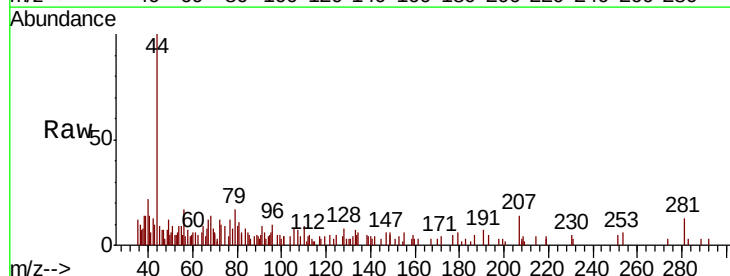
Tot Ion: 59 Resp: 913
 Ion Ratio Lower Upper
 59 100
 57 13.9 8.2 12.4#

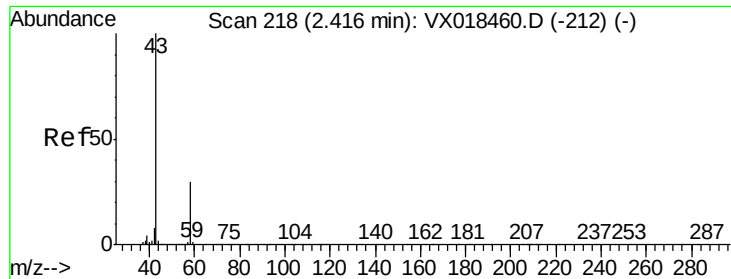


#13

Acrolein
 Concen: 0.219 ug/l
 RT: 2.26 min Scan# 192
 Delta R.T. -0.02 min
 Lab File: VX018498.D
 Acq: 18 Sep 2020 17:26

Tgt Ion: 56 Resp: 189
 Ion Ratio Lower Upper
 56 100
 55 146.6 58.2 87.4#

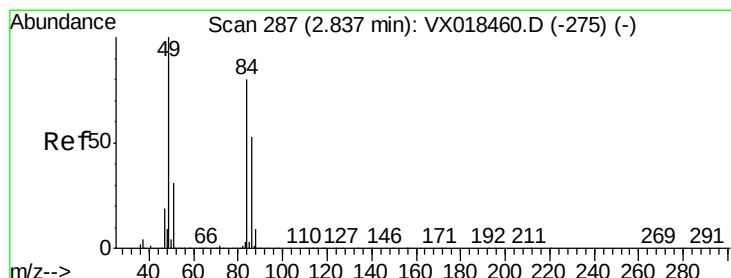
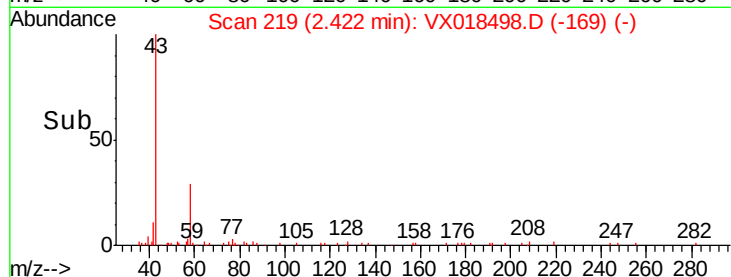
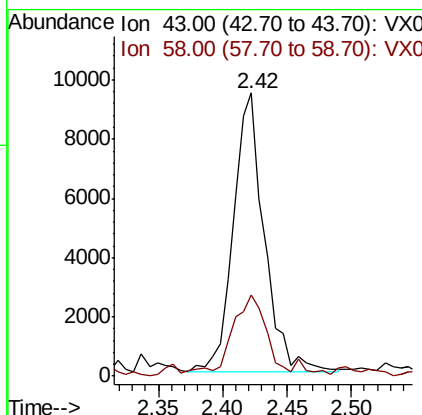
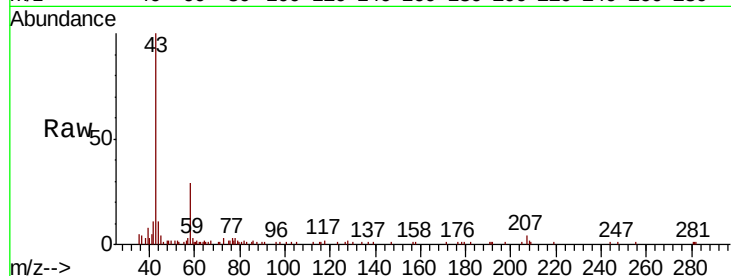




#16
Acetone
Concen: 5.272 ug/l
RT: 2.42 min Scan# 219
Delta R.T. 0.01 min
Lab File: VX018498.D
Acq: 18 Sep 2020 17:26

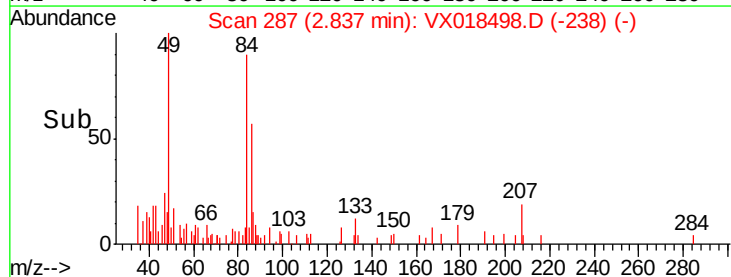
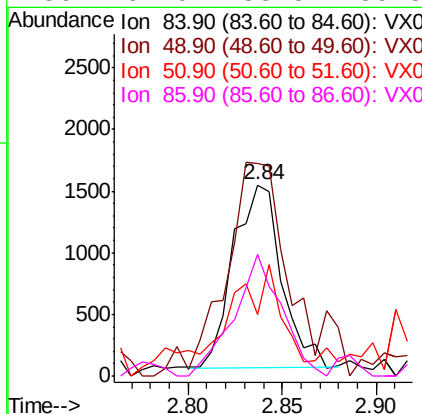
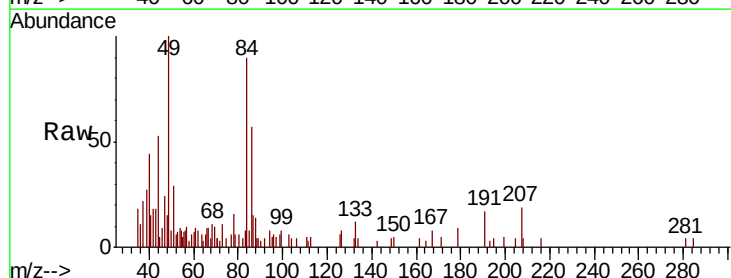
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ClientSampleId :
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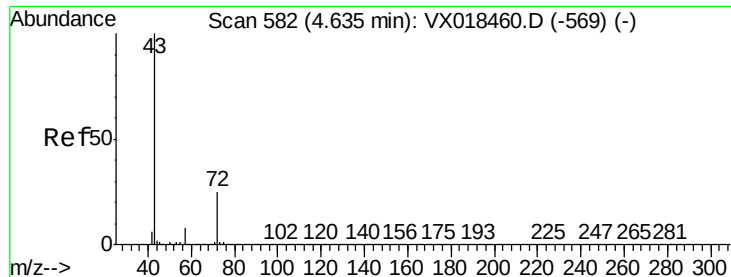
Tot Ion: 43 Resp: 15760
Ion Ratio Lower Upper
43 100
58 27.3 24.0 36.0



#20
Methylene Chloride
Concen: 0.403 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX018498.D
Acq: 18 Sep 2020 17:26

Tgt Ion: 84 Resp: 2656
Ion Ratio Lower Upper
84 100
49 113.2 100.6 151.0
51 25.7 30.9 46.3#
86 67.0 53.5 80.3





#25

2-Butanone

Concen: 1.301 ug/l

RT: 4.65 min Scan# 584

Delta R.T. 0.01 min

Lab File: VX018498.D

Acq: 18 Sep 2020 17:26

Instrument :

MSVOA_X

ClientSampled :

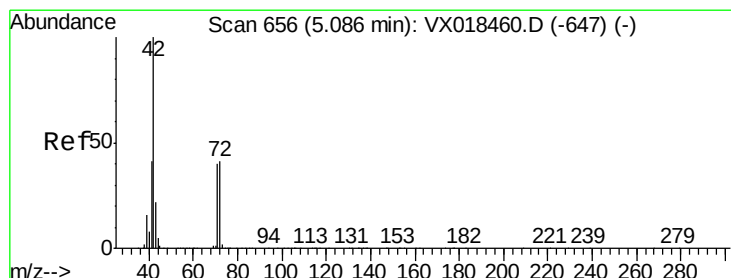
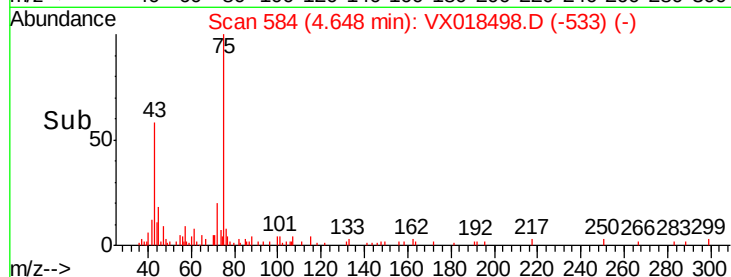
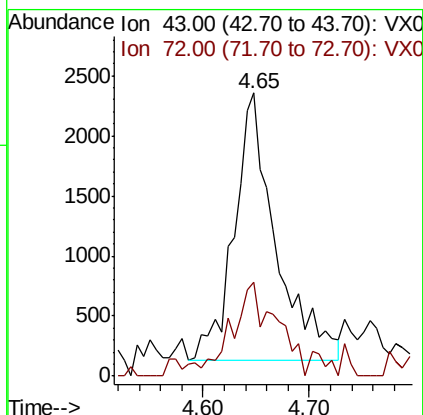
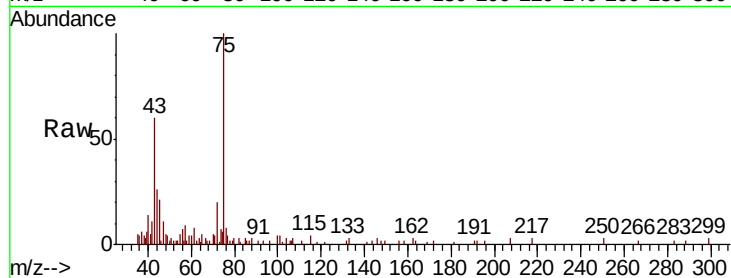
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Tot Ion: 43 Resp: 6058

Ion Ratio Lower Upper

43 100

72 35.0 20.2 30.4#



#29

Tetrahydrofuran

Concen: 0.536 ug/l

RT: 5.11 min Scan# 660

Delta R.T. 0.02 min

Lab File: VX018498.D

Acq: 18 Sep 2020 17:26

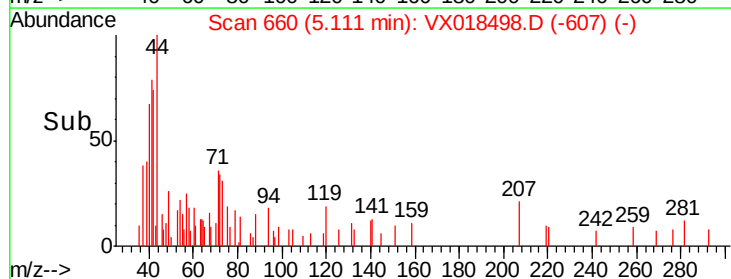
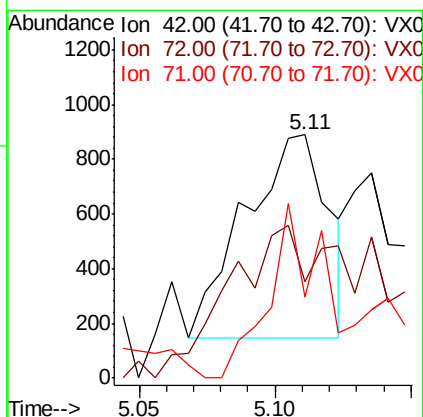
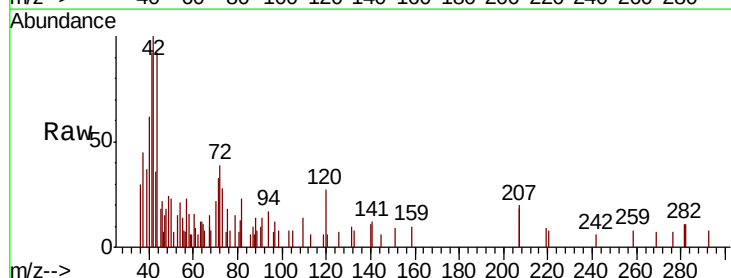
Tgt Ion: 42 Resp: 1573

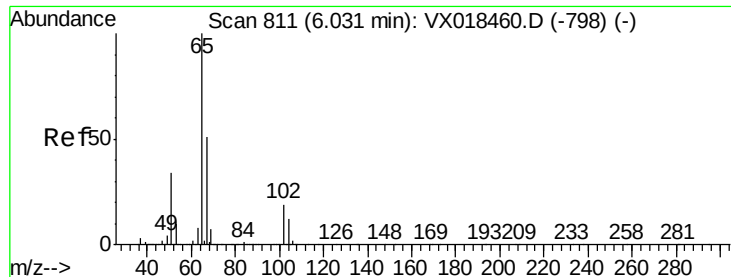
Ion Ratio Lower Upper

42 100

72 79.5 34.3 51.5#

71 56.2 32.1 48.1#





#33

1,2-Dichloroethane-d4

Concen: 47.802 ug/l

RT: 6.03 min Scan# 811

Delta R.T. 0.00 min

Lab File: VX018498.D

Acq: 18 Sep 2020 17:26

Instrument :

MSVOA_X

ClientSampleId :

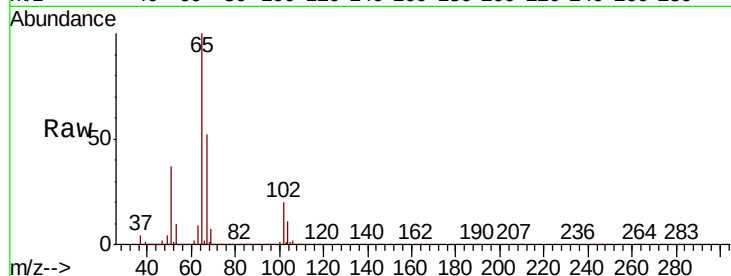
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Tot Ion: 65 Resp: 373625

Ion Ratio Lower Upper

65 100

67 52.1 0.0 105.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.03

150000

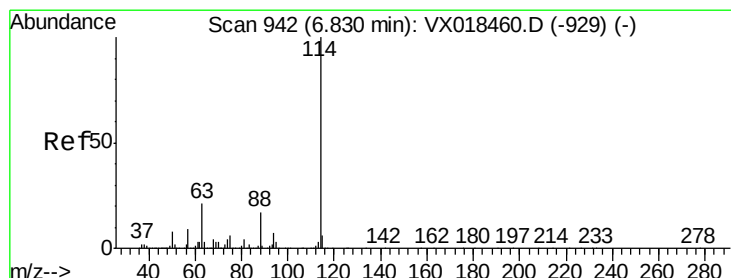
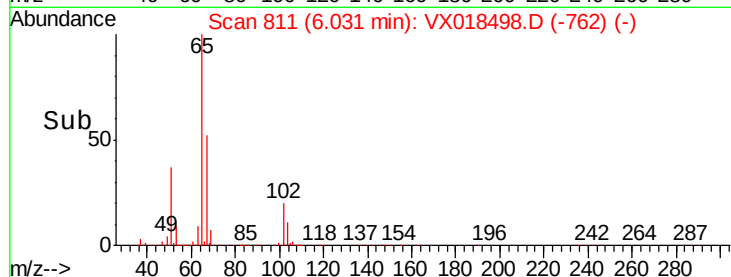
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50000

0

Time-->

5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX018498.D

Acq: 18 Sep 2020 17:26

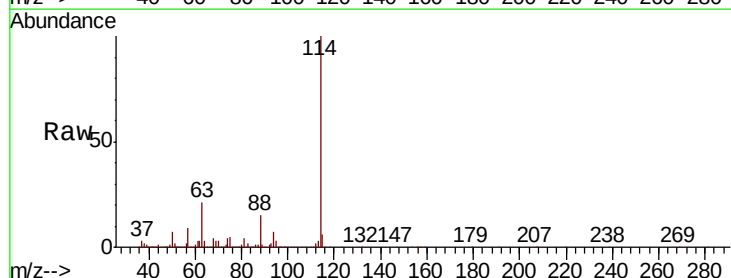
Tgt Ion: 114 Resp: 901996

Ion Ratio Lower Upper

114 100

63 21.0 0.0 42.8

88 15.2 0.0 33.6



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

500000

400000

300000

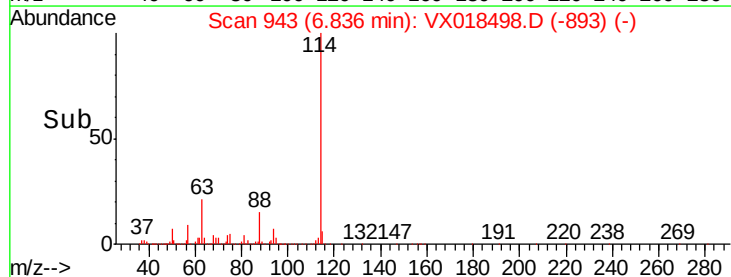
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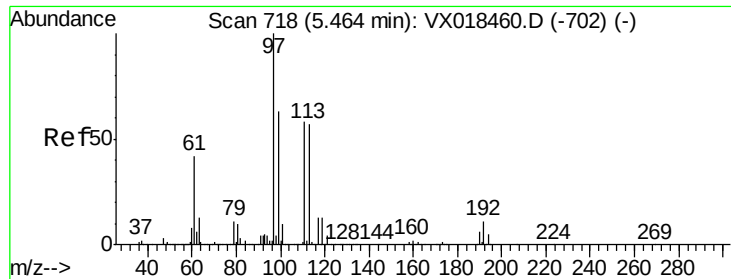
100000

0

Time-->

6.70 6.80 6.90 7.00





#35

Dibromofluoromethane

Concen: 47.567 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.01 min

Lab File: VX018498.D

Acq: 18 Sep 2020 17:26

Instrument :

MSVOA_X

ClientSampleId :

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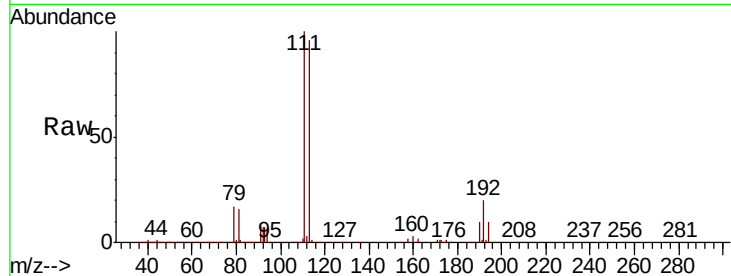
Tot Ion:113 Resp: 296608

Ion Ratio Lower Upper

113 100

111 103.4 81.4 122.2

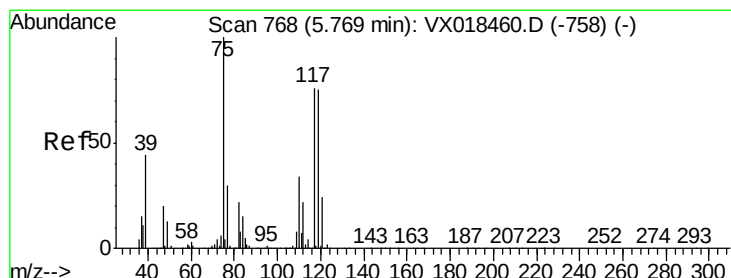
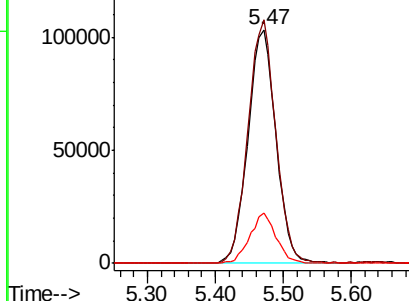
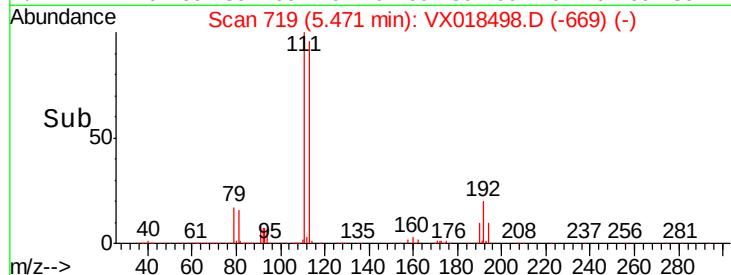
192 20.2 16.6 24.8



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: 4.665 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.13 min

Lab File: VX018498.D

Acq: 18 Sep 2020 17:26

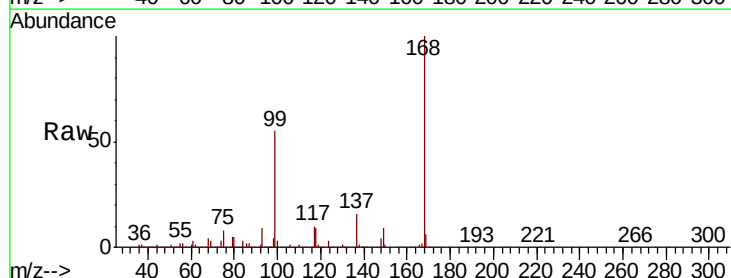
Tgt Ion: 75 Resp: 40841

Ion Ratio Lower Upper

75 100

110 12.2 17.6 52.8#

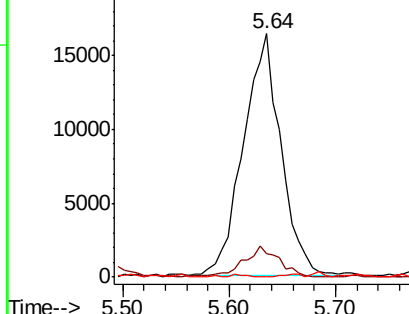
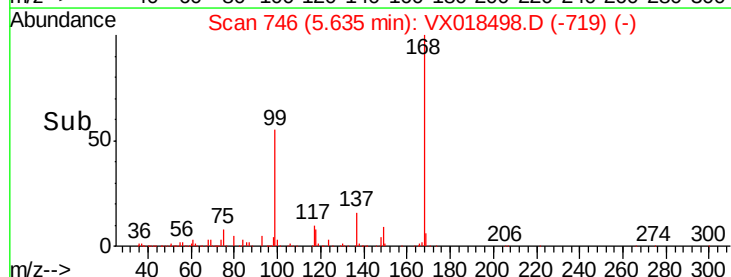
77 0.0 25.0 37.6#

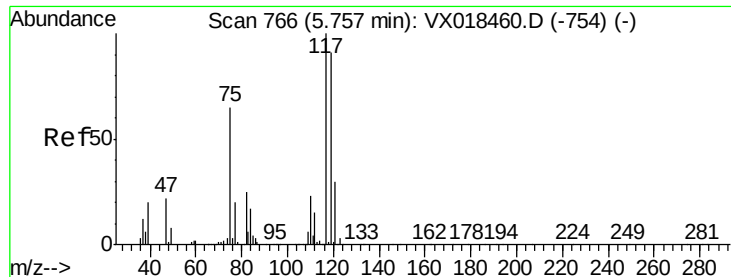


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.078 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX018498.D

Acq: 18 Sep 2020 17:26

Instrument :

MSVOA_X

ClientSampled :

FIELD-BLANK

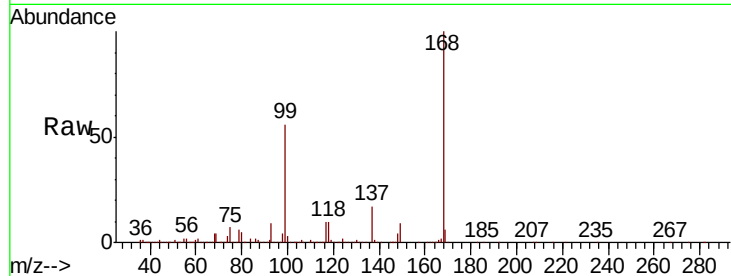
Tot Ion:117 Resp: 58930

Ion Ratio Lower Upper

117 100

119 7.3 72.3 108.5#

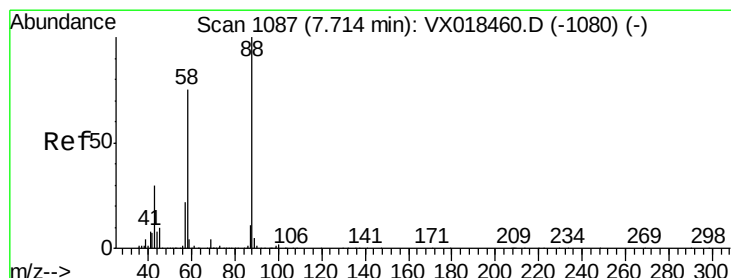
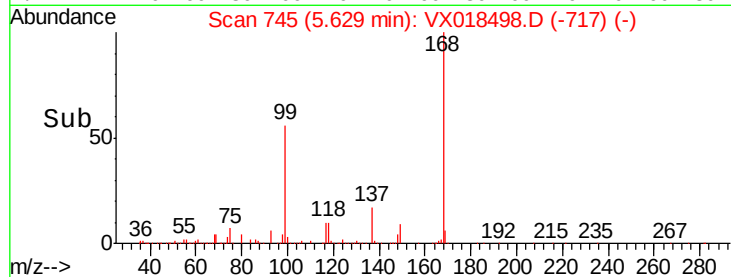
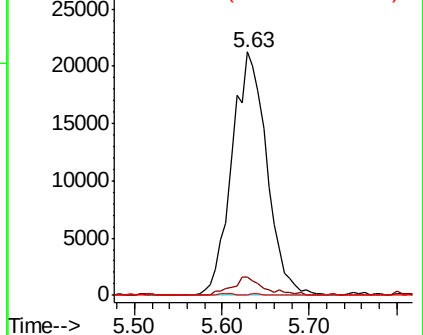
121 0.0 23.8 35.8#



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: 1.194 ug/l

RT: 7.73 min Scan# 1090

Delta R.T. 0.02 min

Lab File: VX018498.D

Acq: 18 Sep 2020 17:26

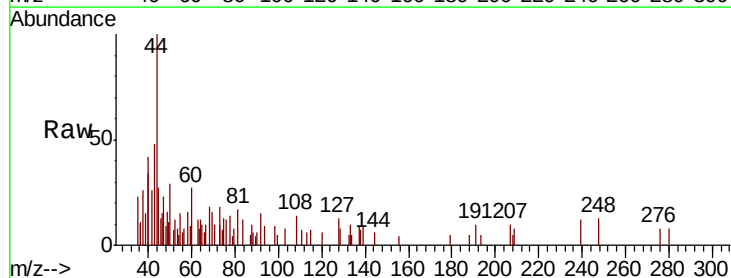
Tgt Ion: 88 Resp: 149

Ion Ratio Lower Upper

88 100

43 185.2 29.9 44.9#

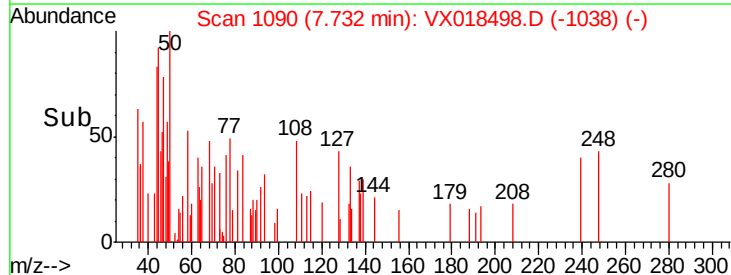
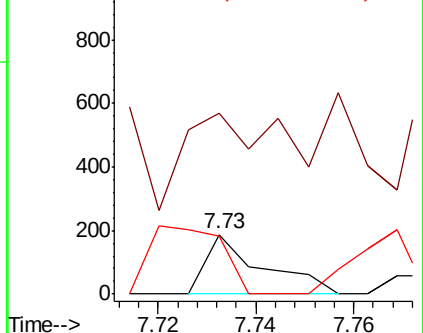
58 0.0 59.0 88.6#

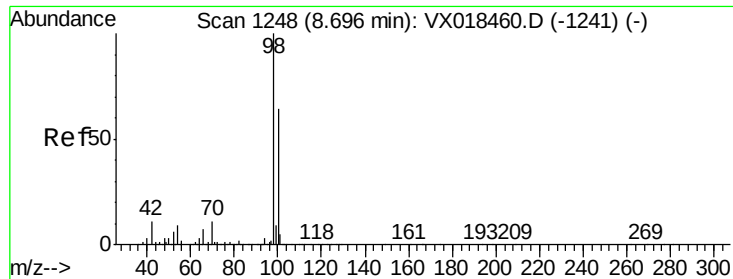


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

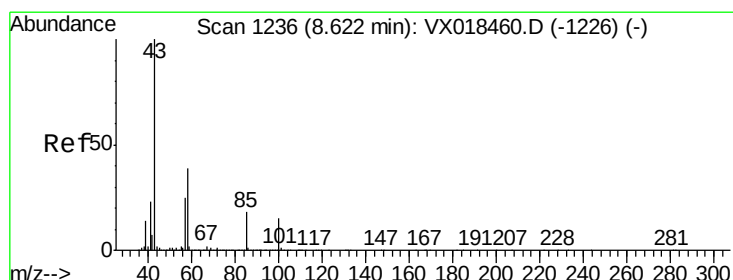
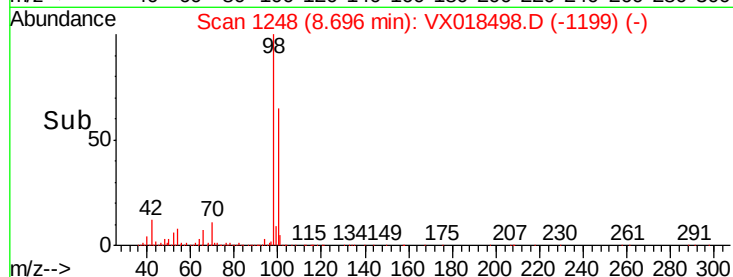
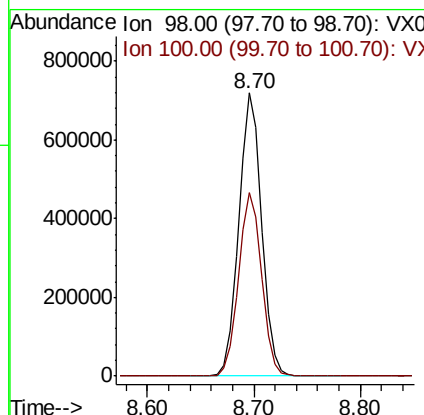
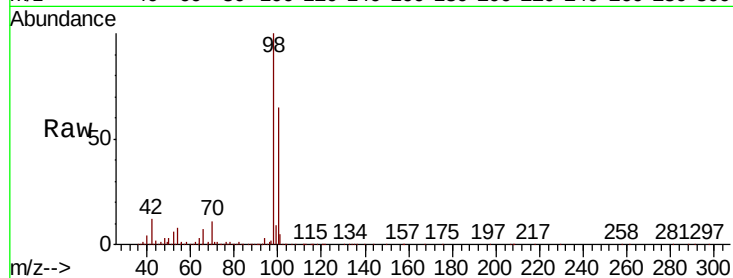




#50
Toluene-d8
Concen: 47.829 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VX018498.D
Acq: 18 Sep 2020 17:26

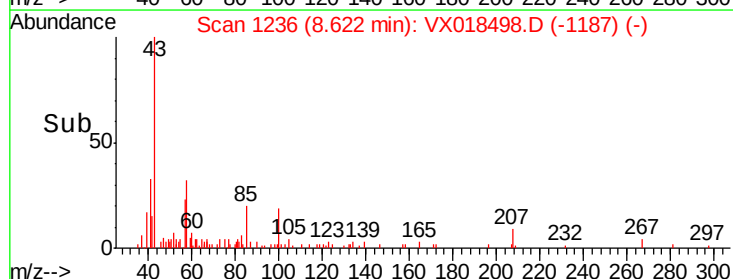
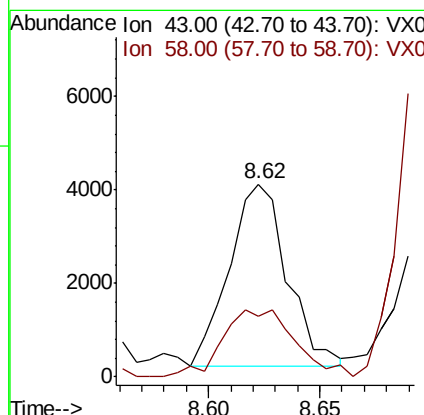
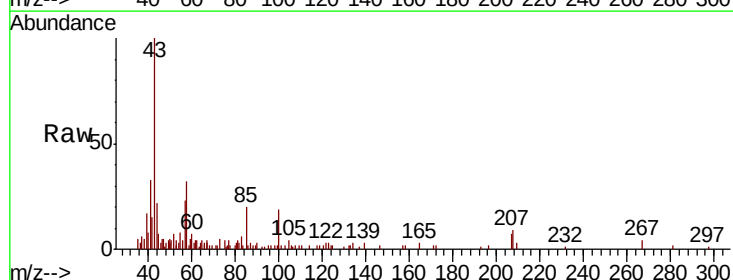
Instrument :
MSVOA_X
ClientSampleId :
FIELD-BLANK

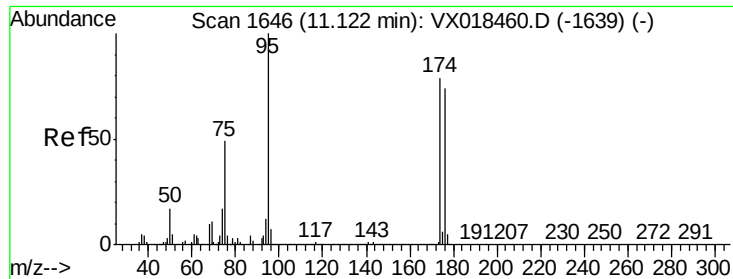
Tot Ion: 98 Resp: 1083630
Ion Ratio Lower Upper
98 100
100 65.5 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 0.768 ug/l
RT: 8.62 min Scan# 1236
Delta R.T. 0.00 min
Lab File: VX018498.D
Acq: 18 Sep 2020 17:26

Tgt Ion: 43 Resp: 7098
Ion Ratio Lower Upper
43 100
58 45.9 30.9 46.3

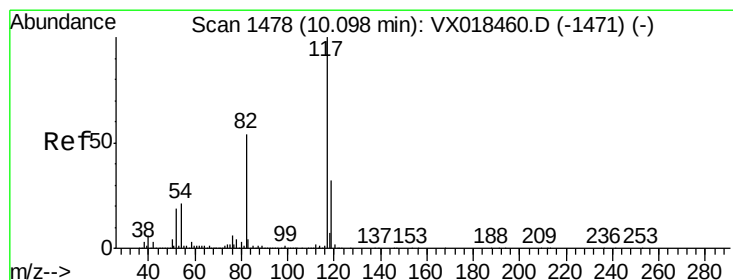
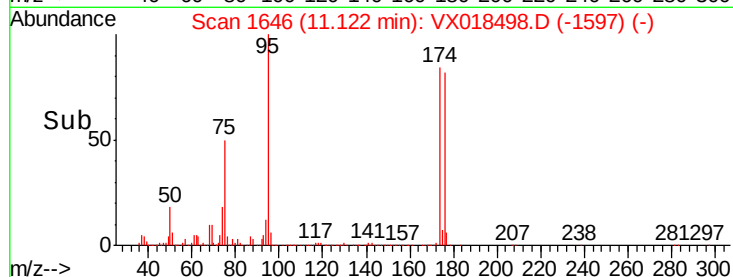
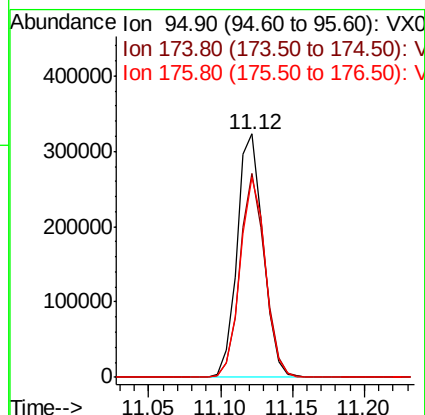
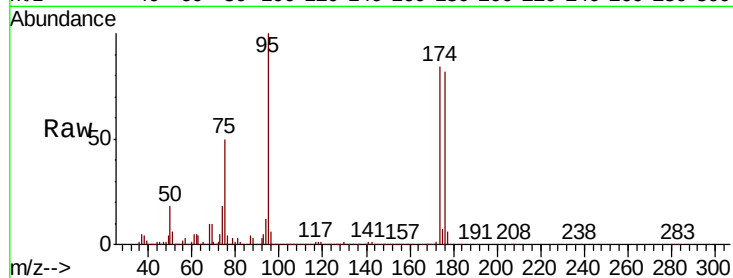




#62
4-Bromofluorobenzene
Concen: 45.510 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.00 min
Lab File: VX018498.D
Acq: 18 Sep 2020 17:26

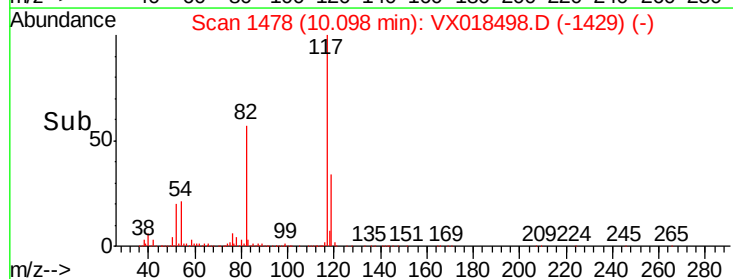
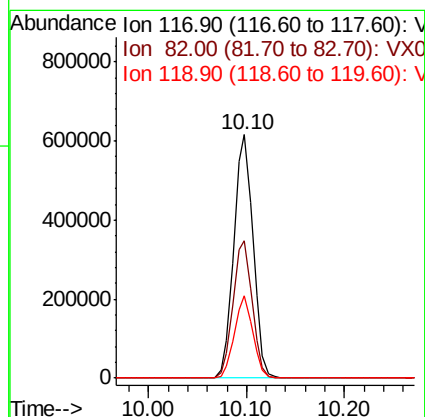
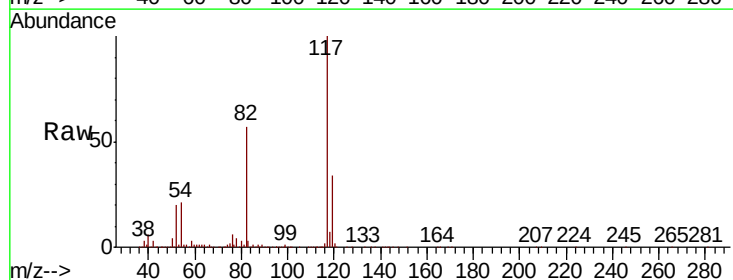
Instrument :
MSVOA_X
ClientSampleId :
FIELD-BLANK

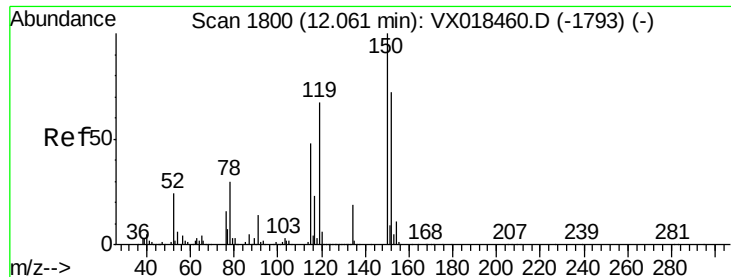
Tot Ion: 95 Resp: 410140
Ion Ratio Lower Upper
95 100
174 80.6 0.0 161.4
176 79.7 0.0 151.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX018498.D
Acq: 18 Sep 2020 17:26

Tgt Ion: 117 Resp: 844672
Ion Ratio Lower Upper
117 100
82 56.6 43.3 64.9
119 33.9 25.9 38.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VX018498.D

Acq: 18 Sep 2020 17:26

Instrument :

MSVOA_X

ClientSampleId :

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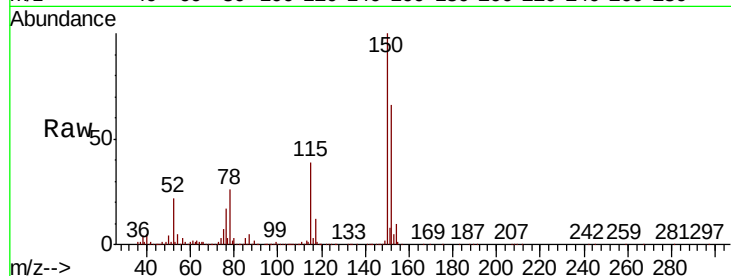
Tot Ion:152 Resp: 431987

Ion Ratio Lower Upper

152 100

115 59.8 41.8 125.4

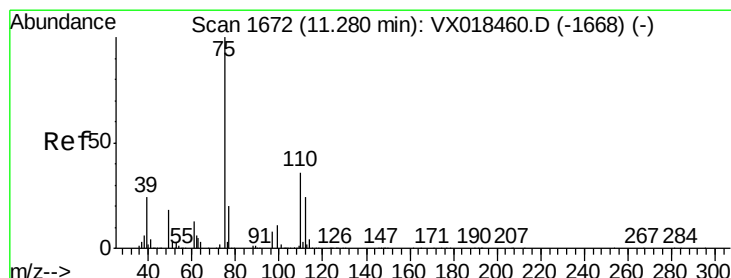
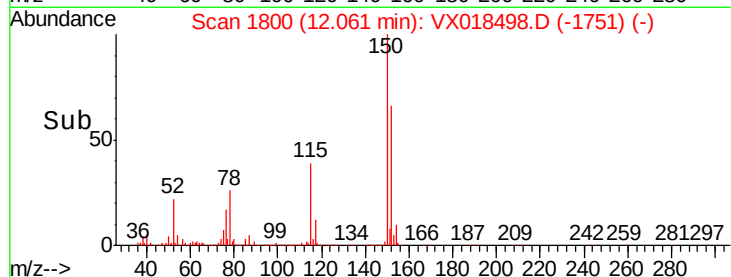
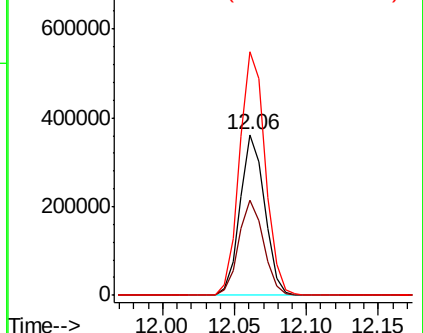
150 157.4 0.0 342.4



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: 23.063 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018498.D

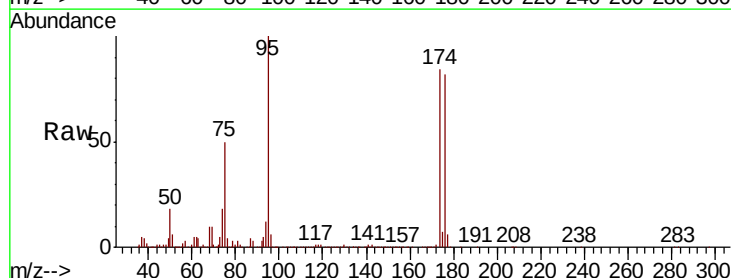
Acq: 18 Sep 2020 17:26

Tgt Ion: 75 Resp: 209366

Ion Ratio Lower Upper

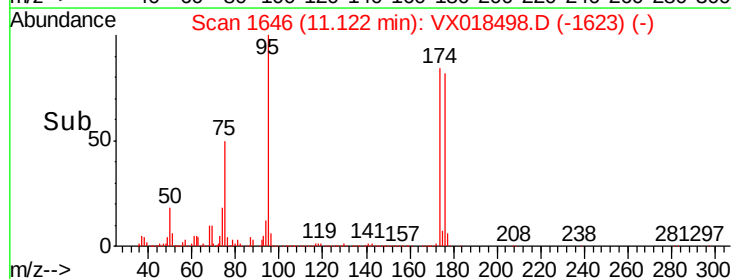
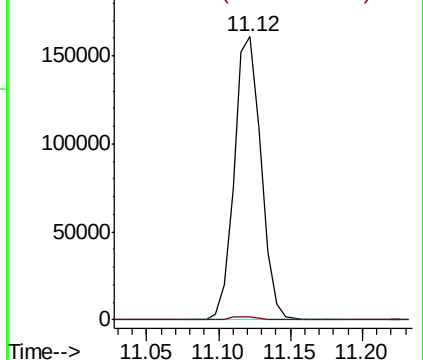
75 100

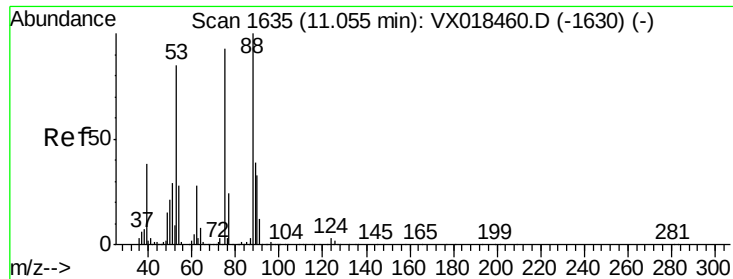
77 1.5 20.9 62.7#



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: 59.099 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX018498.D

Acq: 18 Sep 2020 17:26

Instrument :

MSVOA_X

ClientSampleId :

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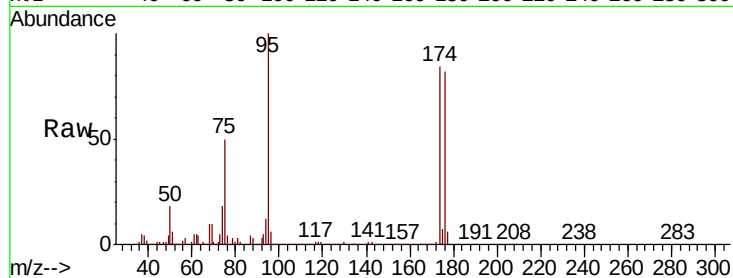
Tot Ion: 75 Resp: 209366

Ion Ratio Lower Upper

75 100

53 0.3 74.6 111.8#

89 0.0 36.2 54.4#



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

