

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090920\
 Data File : VX018328.D
 Acq On : 09 Sep 2020 17:46
 Operator : JC/SP
 Sample : L3808-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
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Quant Time: Sep 10 07:06:16 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	430077	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	689323	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	653752	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	320850	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	311453	52.16	ug/l	0.00
Spiked Amount			Recovery	=	104.32%	
35) Dibromofluoromethane	5.47	113	241526	51.45	ug/l	0.00
Spiked Amount			Recovery	=	102.90%	
50) Toluene-d8	8.70	98	846742	48.43	ug/l	0.00
Spiked Amount			Recovery	=	96.86%	
62) 4-Bromofluorobenzene	11.12	95	310374	45.12	ug/l	0.00
Spiked Amount			Recovery	=	90.24%	

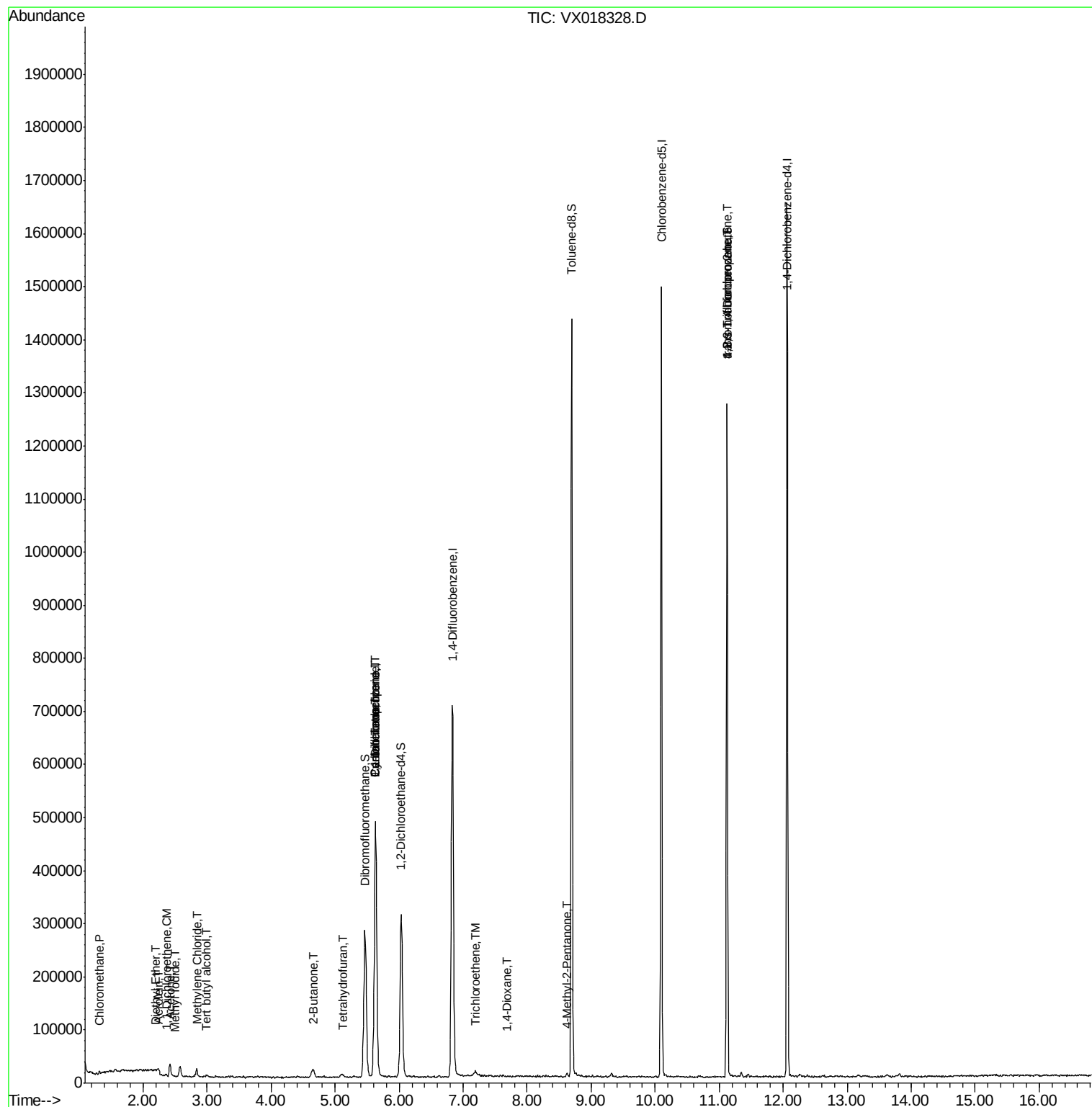
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	2470	0.447	ug/l	94
8) Diethyl Ether	2.18	74	784	0.309	ug/l	80
10) Methyl Iodide	2.51	142	307	5.350	ug/l #	44
11) Tert butyl alcohol	2.98	59	2403	2.070	ug/l #	64
12) 1,1-Dichloroethene	2.36	96	1570	0.374	ug/l #	76
13) Acrolein	2.24	56	323	0.671	ug/l #	14
16) Acetone	2.42	43	26901	11.563	ug/l	91
20) Methylene Chloride	2.84	84	7836	0.491	ug/l #	90
25) 2-Butanone	4.65	43	8332	2.179	ug/l	93
29) Tetrahydrofuran	5.12	42	6120	2.514	ug/l	93
31) Cyclohexane	5.63	56	9427	1.319	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	34948	5.497	ug/l #	52
38) Carbon Tetrachloride	5.63	117	45253	6.316	ug/l #	18
44) Trichloroethene	7.19	130	2117	0.401	ug/l	80
49) 1,4-Dioxane	7.68	88	162	1.506	ug/l #	1
51) 4-Methyl-2-Pentanone	8.63	43	3931	0.534	ug/l #	80
76) 1,2,3-Trichloropropane	11.12	75	164992	23.116	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	164992	62.434	ug/l #	12

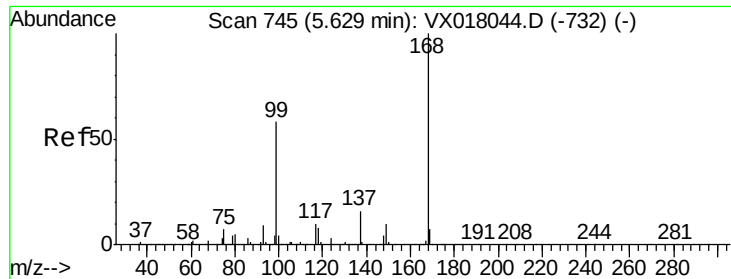
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX018328.D

Acq: 09 Sep 2020 17:46

Instrument :

MSVOA_X

ClientSampleId :

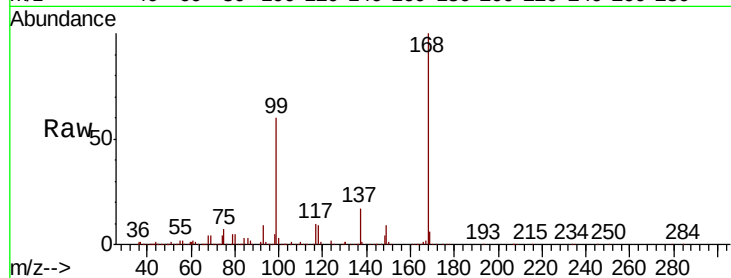
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Tot Ion:168 Resp: 430077

Ion Ratio Lower Upper

168 100

99 60.3 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

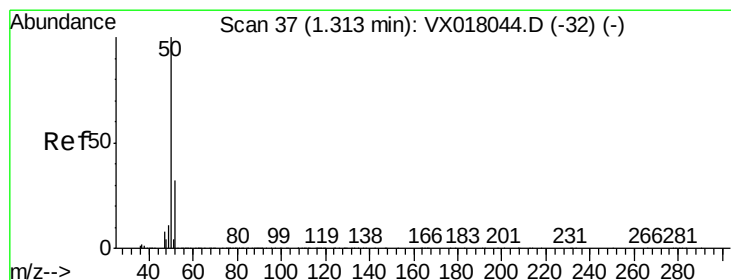
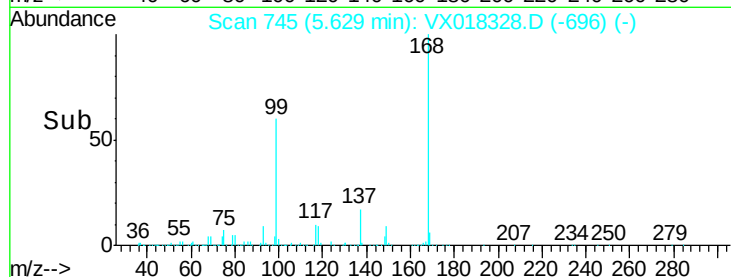
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.447 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX018328.D

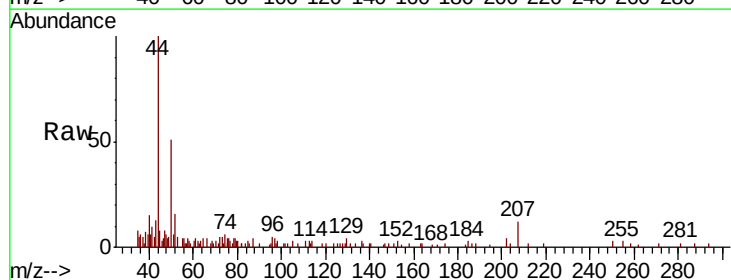
Acq: 09 Sep 2020 17:46

Tgt Ion: 50 Resp: 2470

Ion Ratio Lower Upper

50 100

52 28.3 25.4 38.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.31

2500

2000

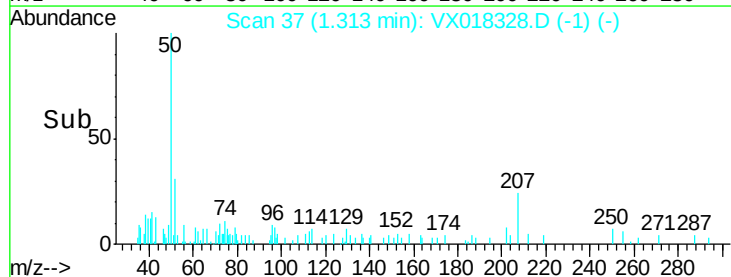
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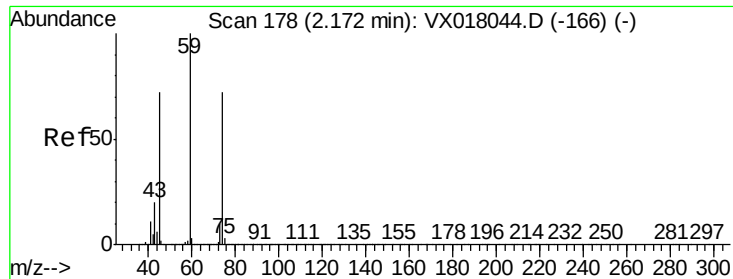
1000

500

0

Time-->





#8

Diethyl Ether

Concen: 0.309 ug/l

RT: 2.18 min Scan# 180

Delta R.T. 0.01 min

Lab File: VX018328.D

Acq: 09 Sep 2020 17:46

Instrument :

MSVOA_X

ClientSampled :

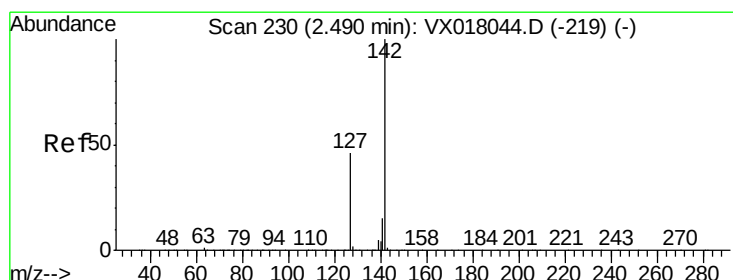
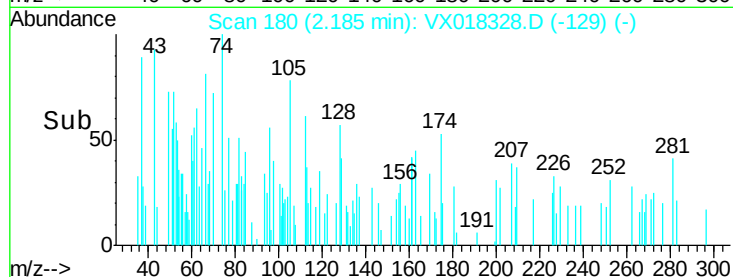
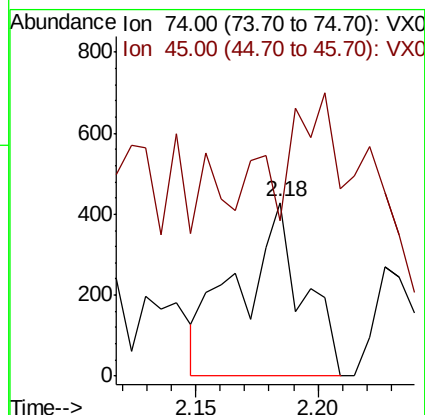
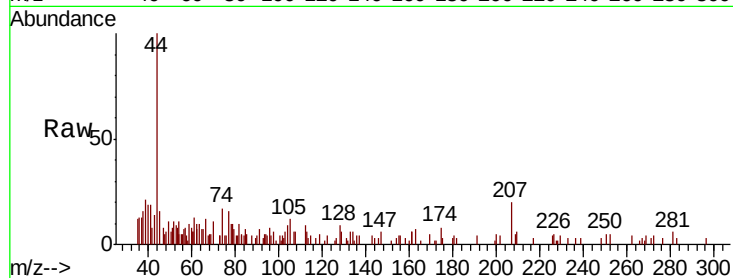
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Tot Ion: 74 Resp: 784

Ion Ratio Lower Upper

74 100

45 121.8 50.7 152.3



#10

Methyl Iodide

Concen: 5.350 ug/l

RT: 2.51 min Scan# 233

Delta R.T. 0.02 min

Lab File: VX018328.D

Acq: 09 Sep 2020 17:46

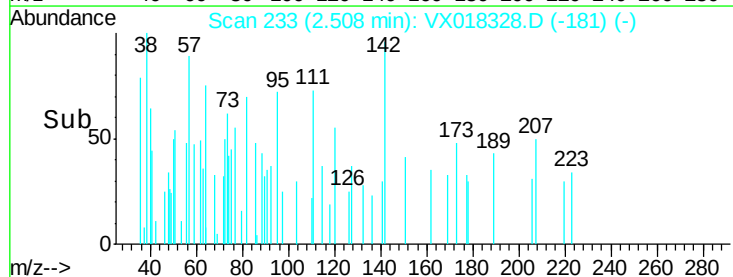
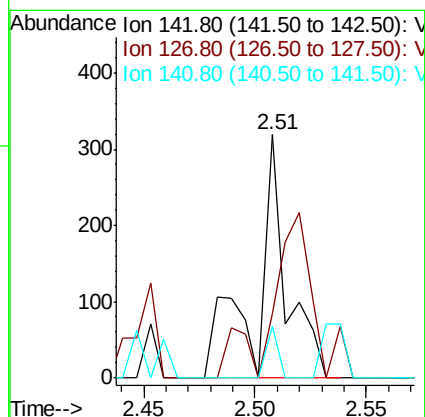
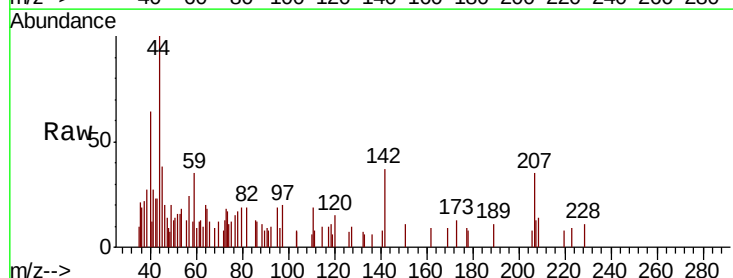
Tgt Ion: 142 Resp: 307

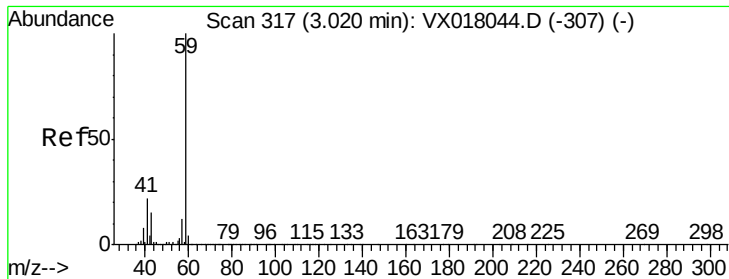
Ion Ratio Lower Upper

142 100

127 91.9 37.0 55.6#

141 8.1 11.5 17.3#

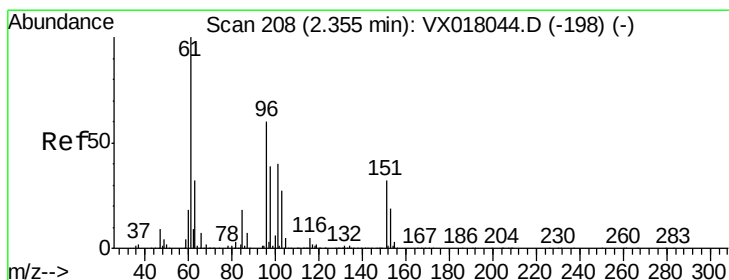
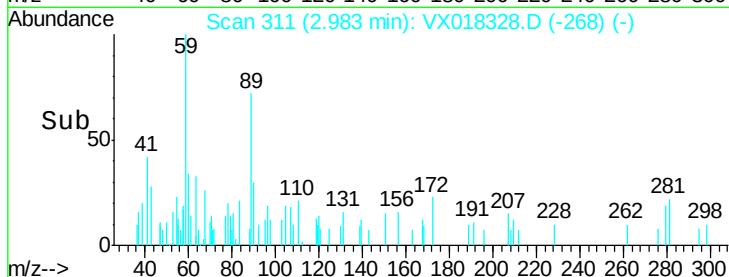
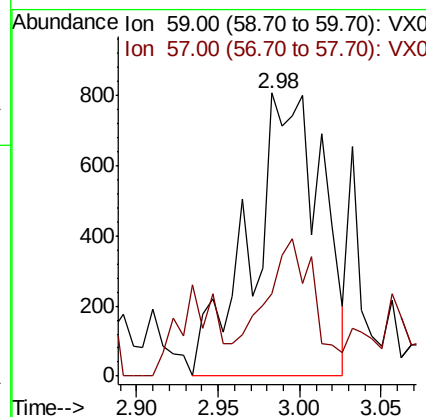
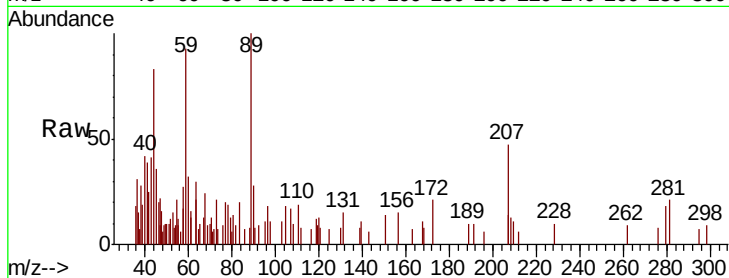




#11
Tert butyl alcohol
Concen: 2.070 ug/l
RT: 2.98 min Scan# 311
Delta R.T. -0.04 min
Lab File: VX018328.D
Acq: 09 Sep 2020 17:46

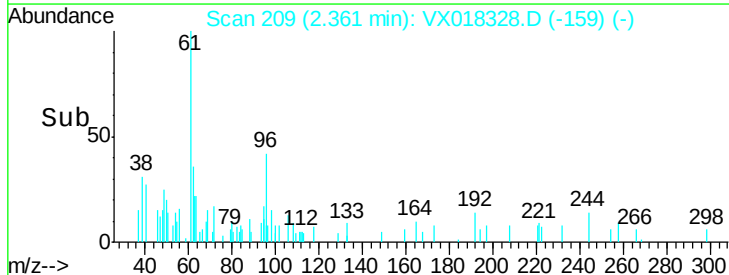
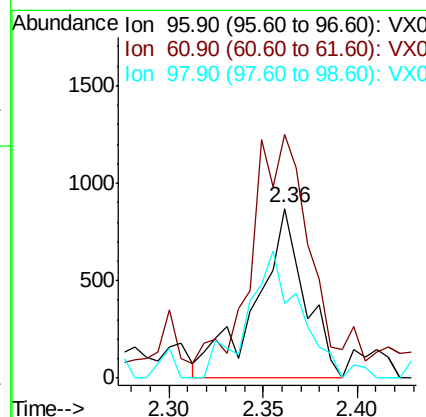
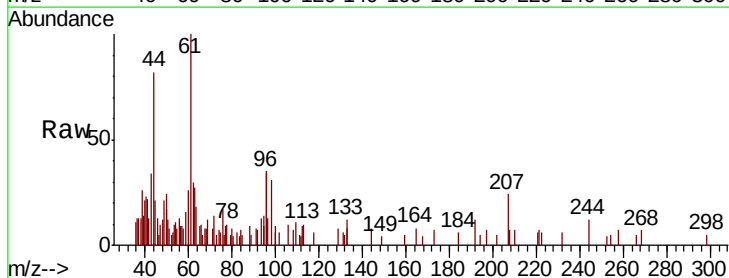
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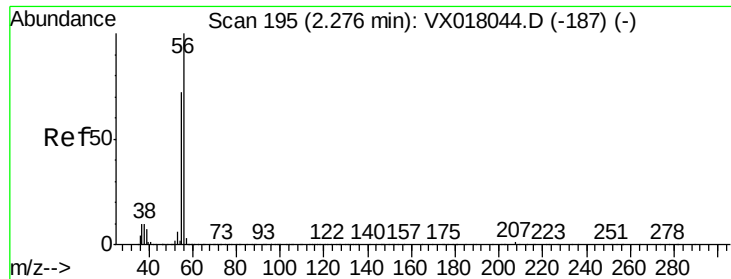
Tot Ion: 59 Resp: 2403
Ion Ratio Lower Upper
59 100
57 24.9 8.9 13.3#



#12
1,1-Dichloroethene
Concen: 0.374 ug/l
RT: 2.36 min Scan# 209
Delta R.T. 0.01 min
Lab File: VX018328.D
Acq: 09 Sep 2020 17:46

Tgt Ion: 96 Resp: 1570
Ion Ratio Lower Upper
96 100
61 134.7 133.0 199.4
98 44.1 51.6 77.4#

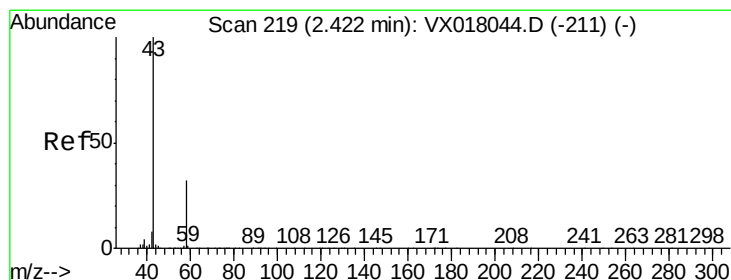
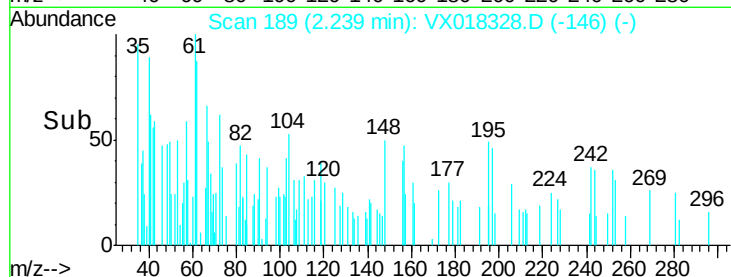
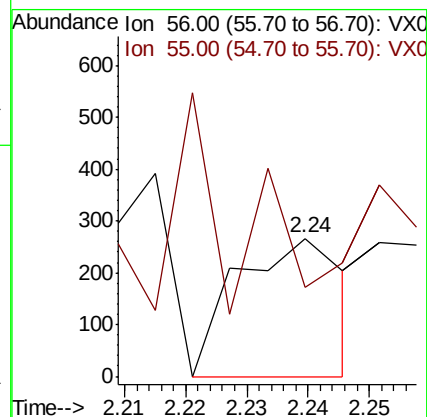
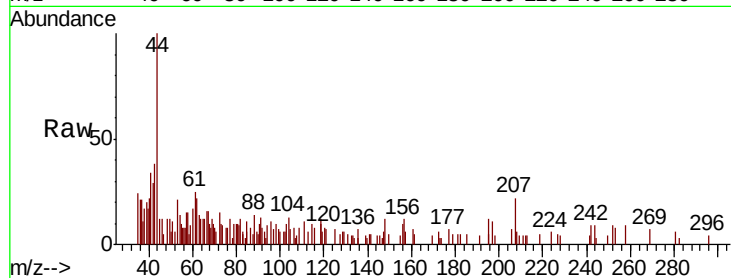




#13
Acrolein
Concen: 0.671 ug/l
RT: 2.24 min Scan# 189
Delta R.T. -0.04 min
Lab File: VX018328.D
Acq: 09 Sep 2020 17:46

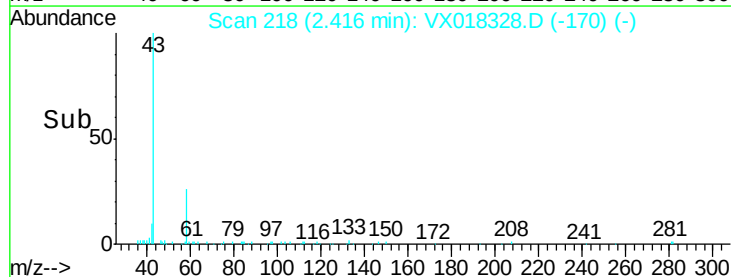
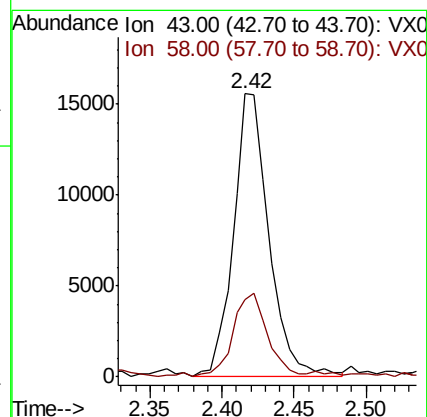
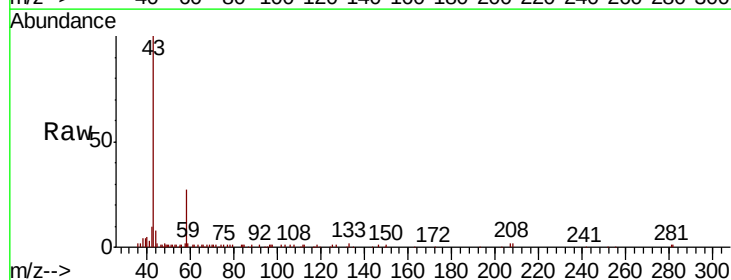
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ClientSampleId :
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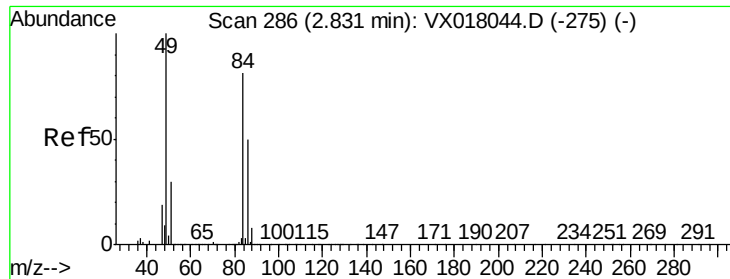
Tot Ion: 56 Resp: 323
Ion Ratio Lower Upper
56 100
55 0.0 57.0 85.6#



#16
Acetone
Concen: 11.563 ug/l
RT: 2.42 min Scan# 218
Delta R.T. -0.01 min
Lab File: VX018328.D
Acq: 09 Sep 2020 17:46

Tgt Ion: 43 Resp: 26901
Ion Ratio Lower Upper
43 100
58 26.8 25.5 38.3

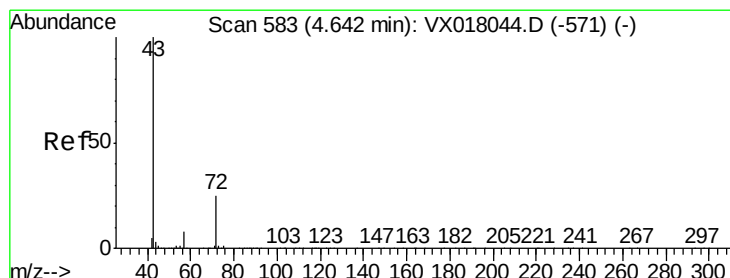
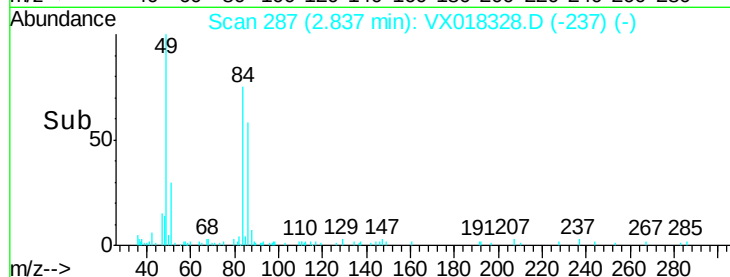
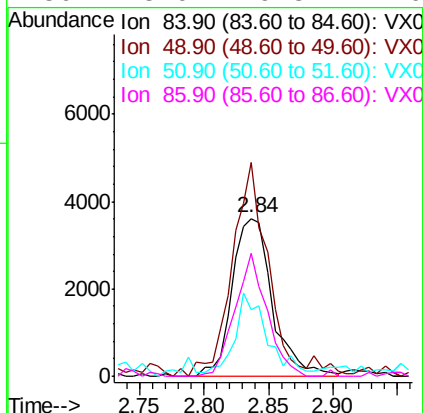
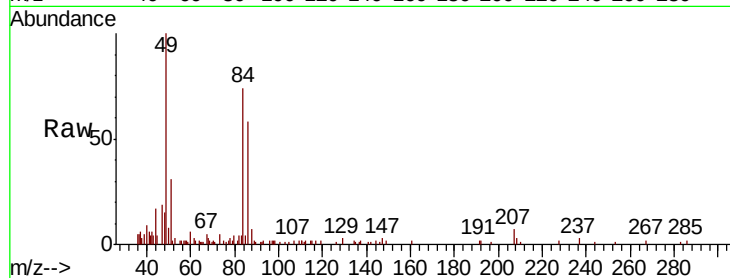




#20
Methvlene Chloride
Concen: 0.491 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.01 min
Lab File: VX018328.D
Acq: 09 Sep 2020 17:46

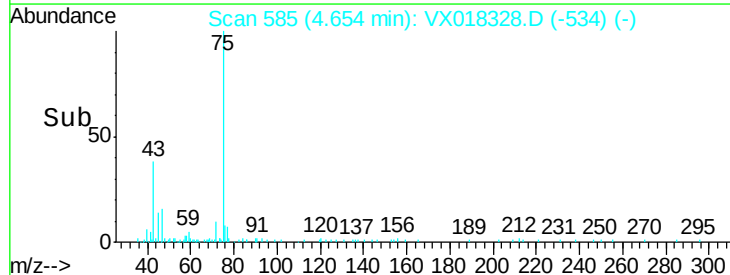
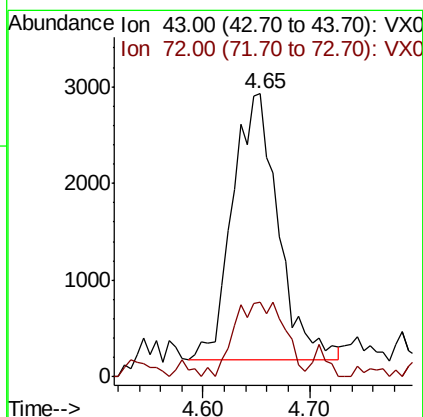
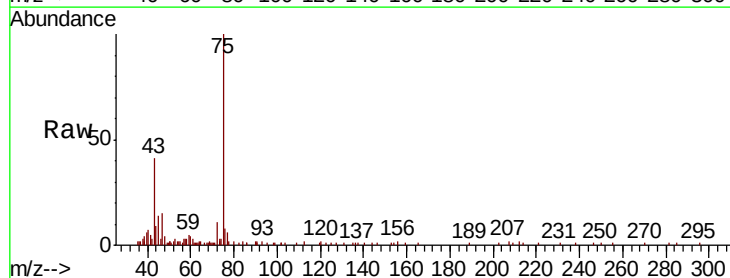
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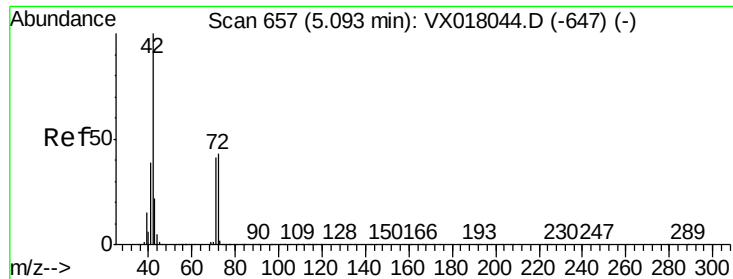
Tot Ion: 84 Resp: 7836
Ion Ratio Lower Upper
84 100
49 132.0 98.6 148.0
51 36.8 29.6 44.4
86 78.0 49.8 74.6#



#25
2-Butanone
Concen: 2.179 ug/l
RT: 4.65 min Scan# 585
Delta R.T. 0.01 min
Lab File: VX018328.D
Acq: 09 Sep 2020 17:46

Tgt Ion: 43 Resp: 8332
Ion Ratio Lower Upper
43 100
72 28.3 19.8 29.6

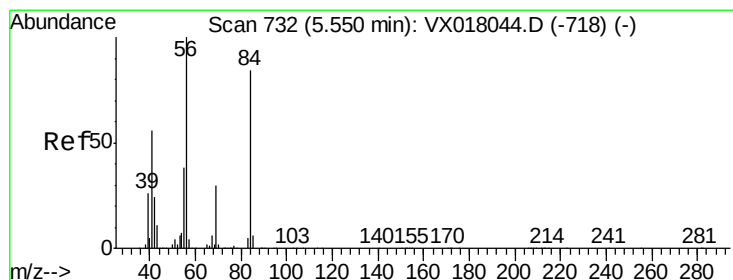
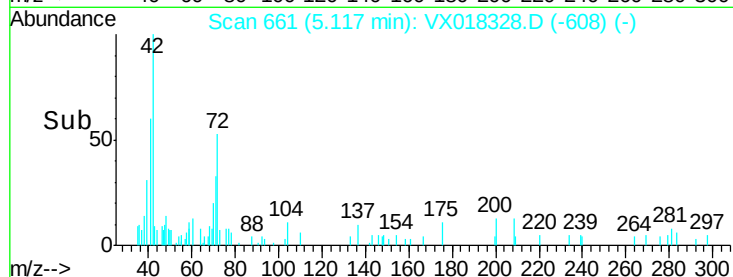
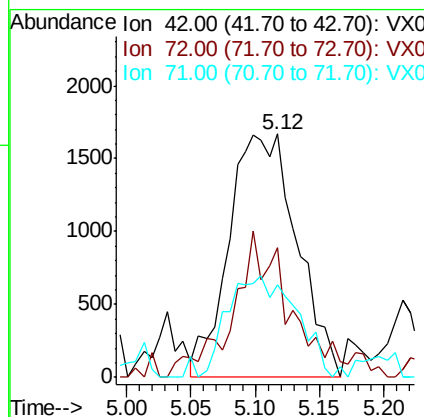
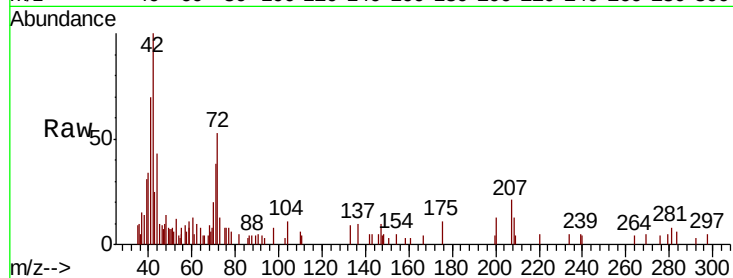




#29
Tetrahydrofuran
Concen: 2.514 ug/l
RT: 5.12 min Scan# 661
Delta R.T. 0.02 min
Lab File: VX018328.D
Acq: 09 Sep 2020 17:46

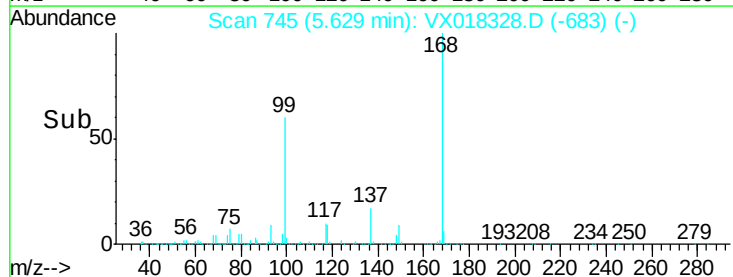
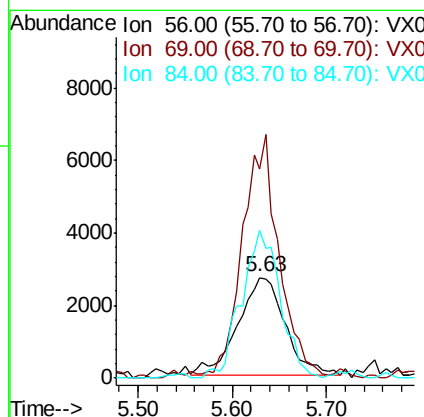
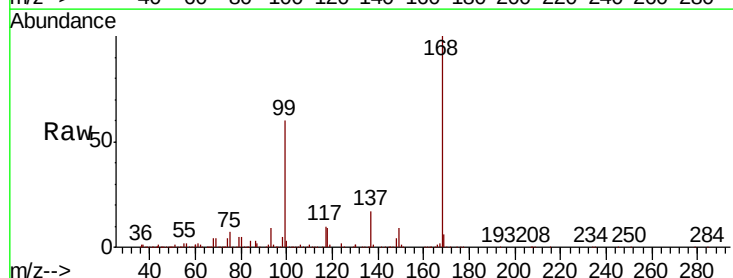
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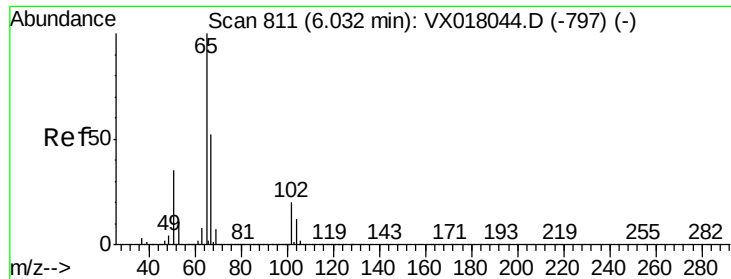
Tot Ion:	42	Resp:	6120
Ion	Ratio	Lower	Upper
42	100		
72	49.8	34.2	51.4
71	42.1	32.1	48.1



#31
Cyclohexane
Concen: 1.319 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.08 min
Lab File: VX018328.D
Acq: 09 Sep 2020 17:46

Tgt Ion:	56	Resp:	9427
Ion	Ratio	Lower	Upper
56	100		
69	208.4	23.9	35.9#
84	151.2	67.0	100.4#

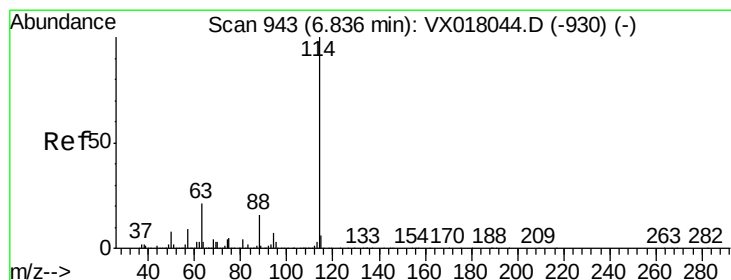
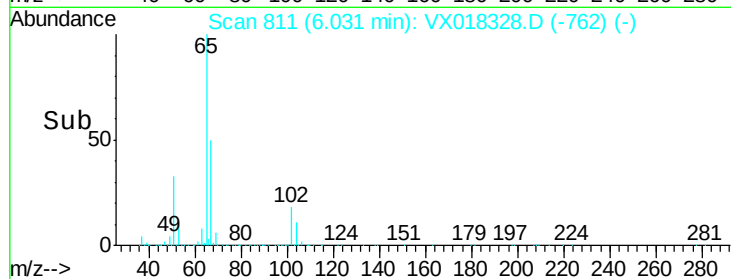
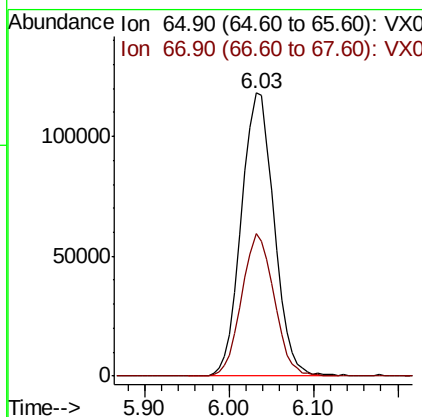
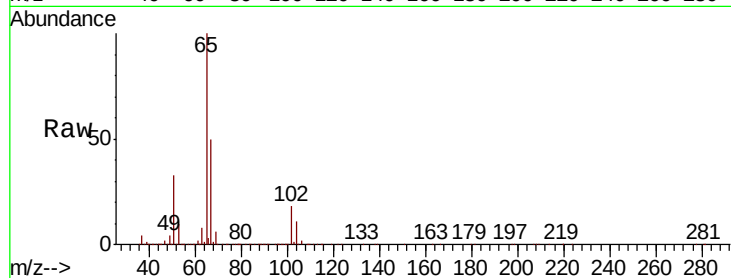




#33
 1,2-Dichloroethane-d4
 Concen: 52.165 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. -0.00 min
 Lab File: VX018328.D
 Acq: 09 Sep 2020 17:46

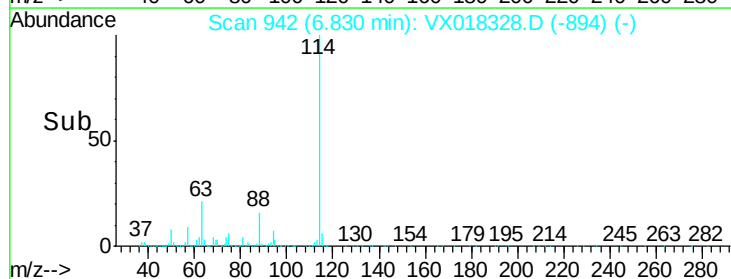
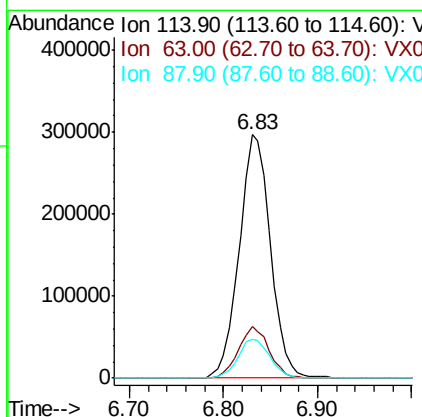
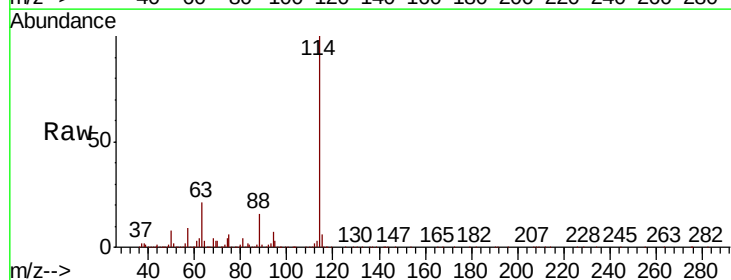
Instrument :
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 ClientSampled :
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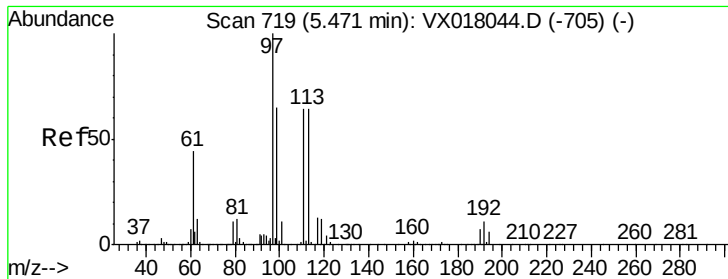
Tot Ion: 65 Resp: 311453
 Ion Ratio Lower Upper
 65 100
 67 49.9 0.0 105.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. -0.01 min
 Lab File: VX018328.D
 Acq: 09 Sep 2020 17:46

Tgt Ion: 114 Resp: 689323
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 42.6
 88 15.7 0.0 31.8

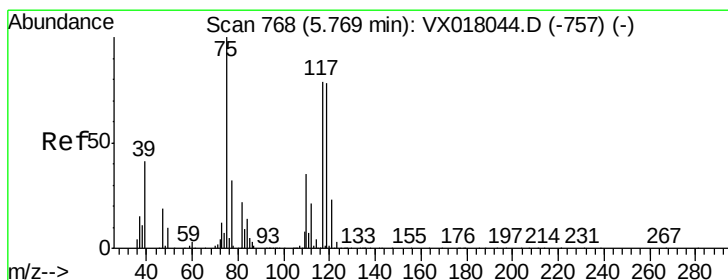
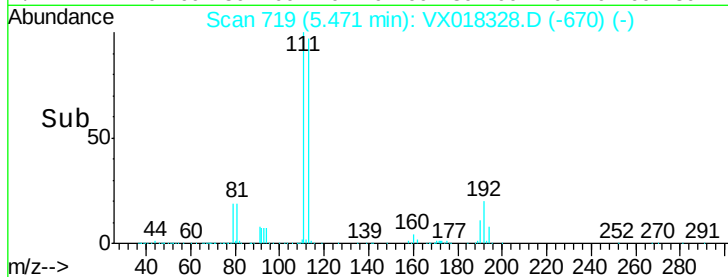
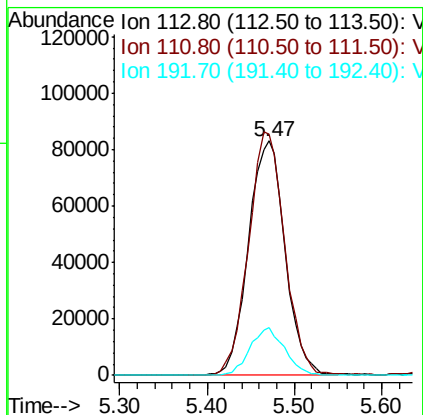
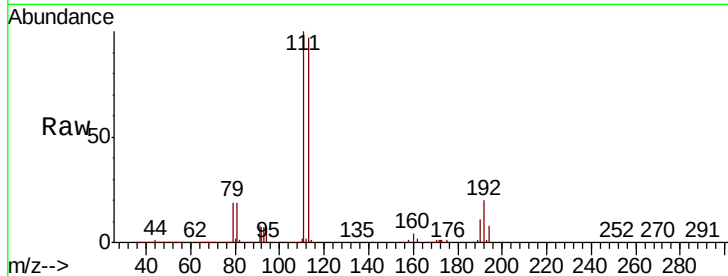




#35
 Dibromofluoromethane
 Concen: 51.447 ug/l
 RT: 5.47 min Scan# 719
 Delta R.T. -0.00 min
 Lab File: VX018328.D
 Acq: 09 Sep 2020 17:46

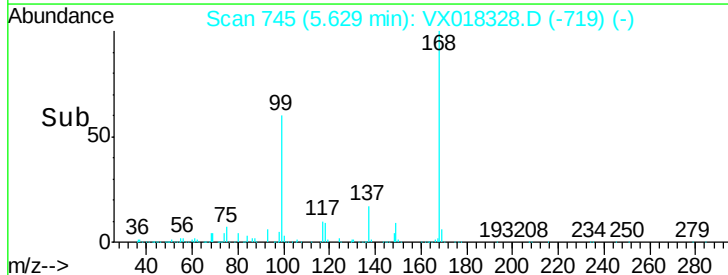
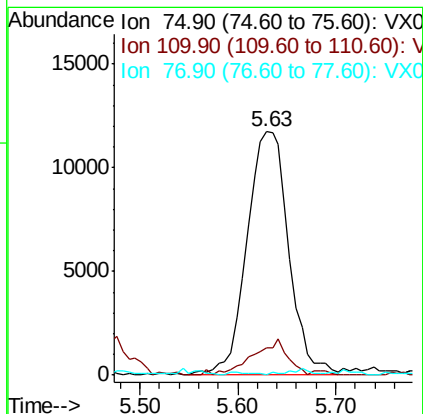
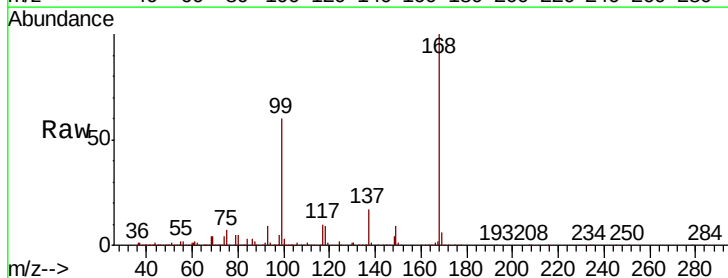
Instrument :
 MSVOA_X
 ClientSampleId :
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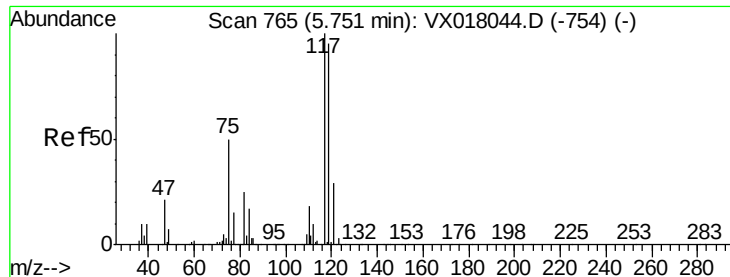
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.3	81.6	122.4
192	19.4	15.8	23.8



#36
 1,1-Dichloropropene
 Concen: 5.497 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX018328.D
 Acq: 09 Sep 2020 17:46

Tgt Ion	Ratio	Lower	Upper
75	100		
110	12.1	18.0	54.0#
77	0.0	24.4	36.6#





#38

Carbon Tetrachloride

Concen: 6.316 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX018328.D

Acq: 09 Sep 2020 17:46

Instrument :

MSVOA_X

ClientSampled :

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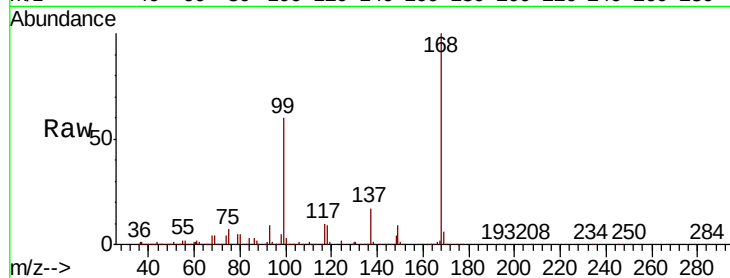
Tot Ion:117 Resp: 45253

Ion Ratio Lower Upper

117 100

119 6.9 75.8 113.6#

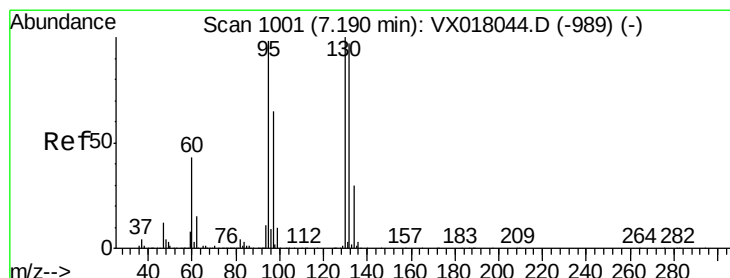
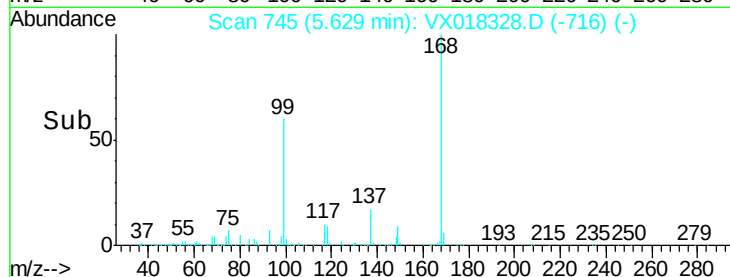
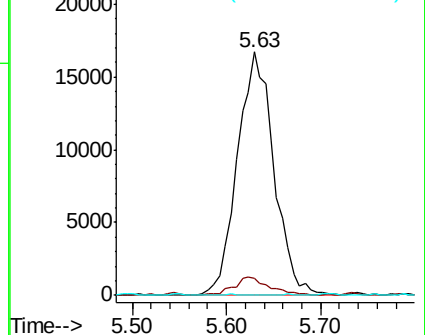
121 0.0 23.4 35.0#



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



#44

Trichloroethene

Concen: 0.401 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VX018328.D

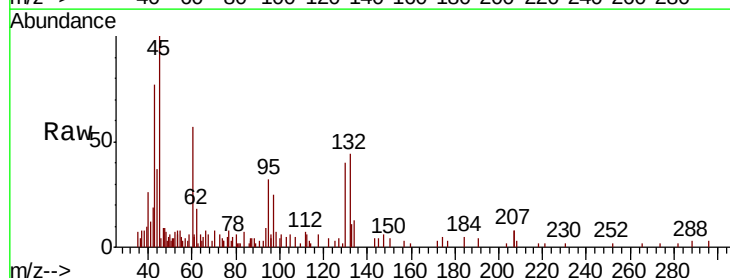
Acq: 09 Sep 2020 17:46

Tgt Ion:130 Resp: 2117

Ion Ratio Lower Upper

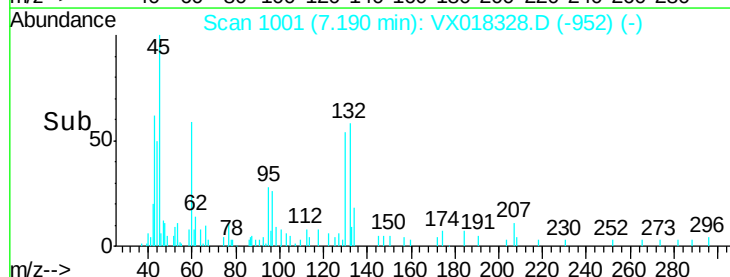
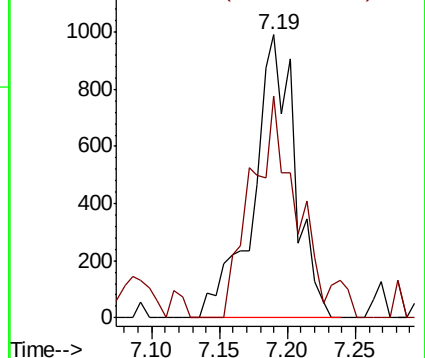
130 100

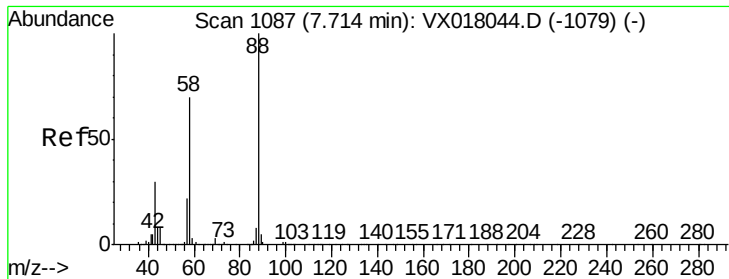
95 78.4 0.0 196.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#49

1,4-Dioxane

Concen: 1.506 ug/l

RT: 7.68 min Scan# 1082

Delta R.T. -0.03 min

Lab File: VX018328.D

Acq: 09 Sep 2020 17:46

Instrument :

MSVOA_X

ClientSampleId :

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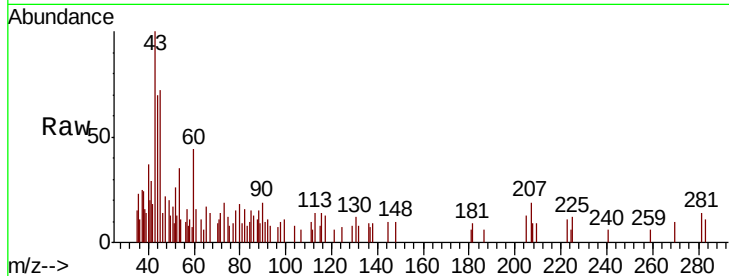
Tot Ion: 88 Resp: 162

Ion Ratio Lower Upper

88 100

43 174.1 27.4 41.0#

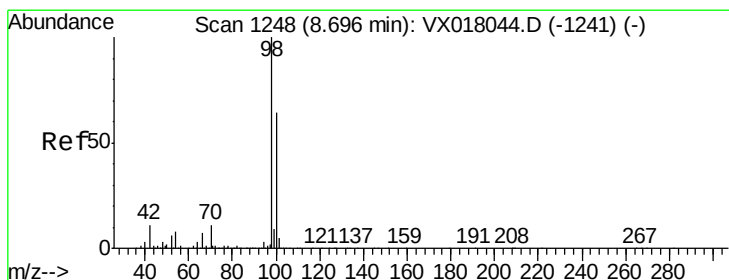
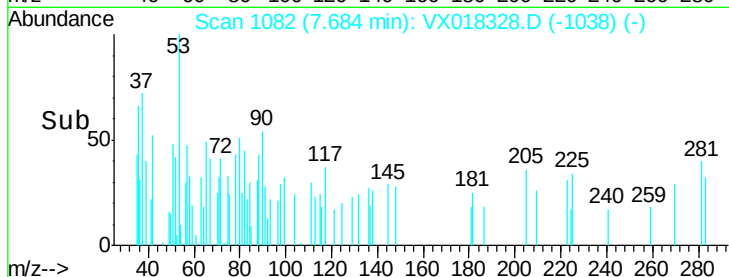
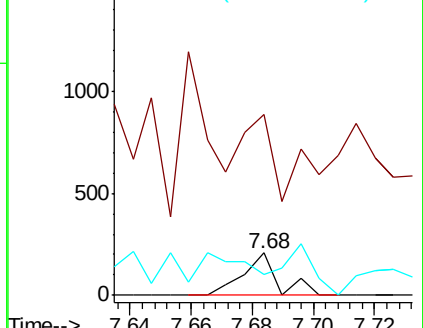
58 105.6 56.4 84.6#



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: 48.426 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX018328.D

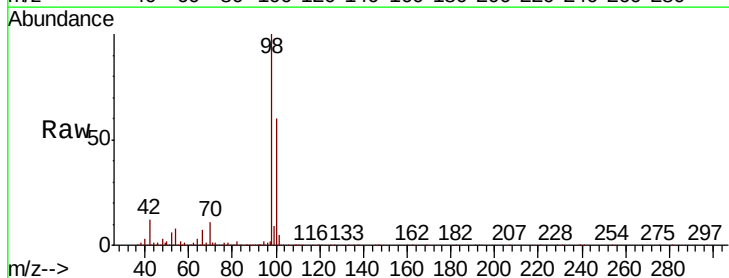
Acq: 09 Sep 2020 17:46

Tgt Ion: 98 Resp: 846742

Ion Ratio Lower Upper

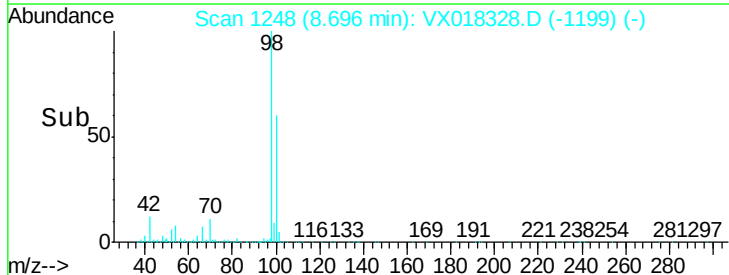
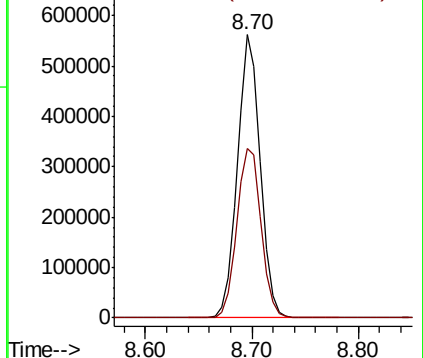
98 100

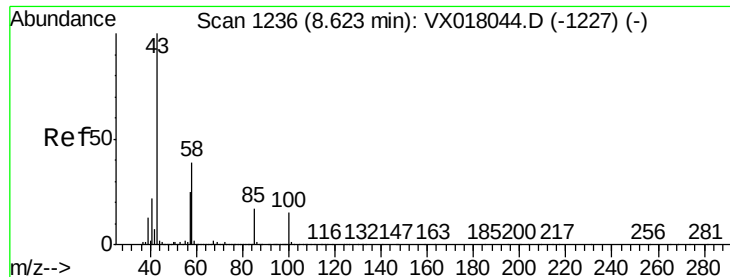
100 63.4 52.2 78.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

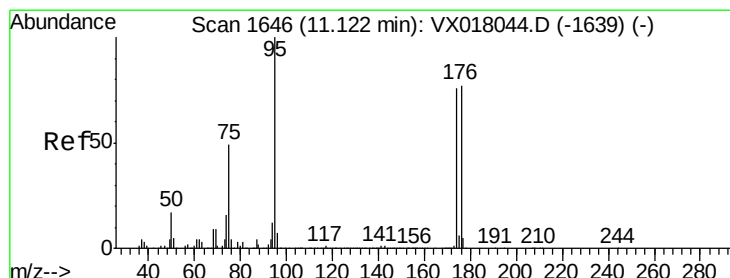
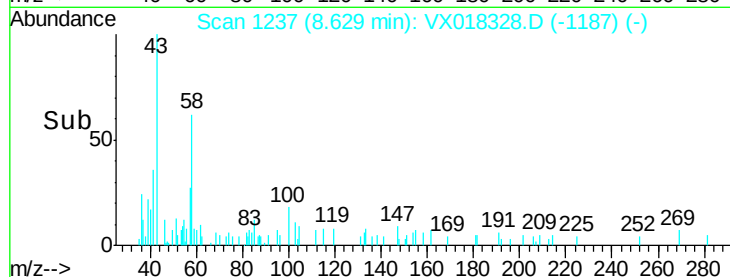
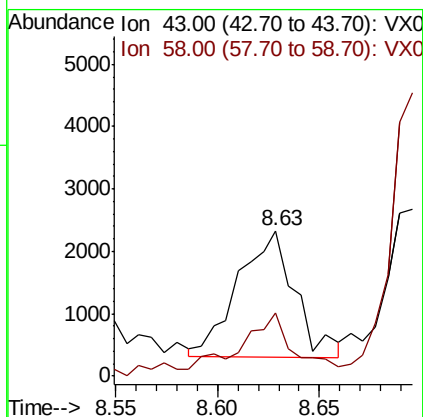
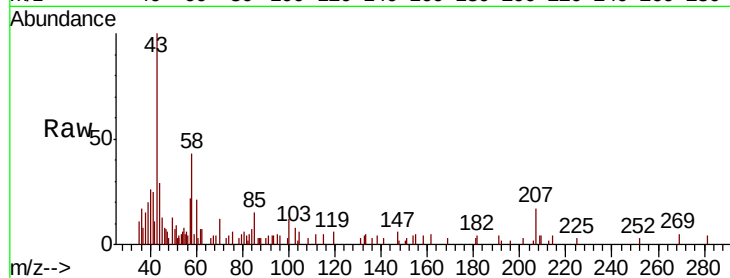




#51
4-Methyl-2-Pentanone
Concen: 0.534 ug/l
RT: 8.63 min Scan# 1237
Delta R.T. 0.01 min
Lab File: VX018328.D
Acq: 09 Sep 2020 17:46

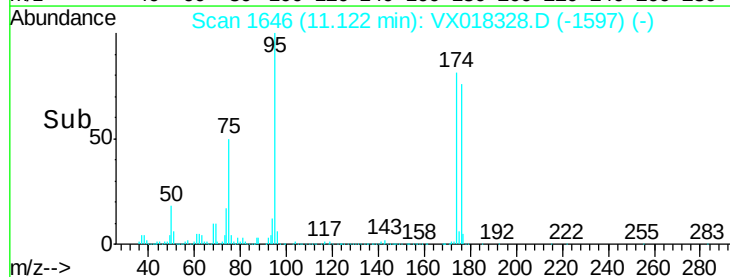
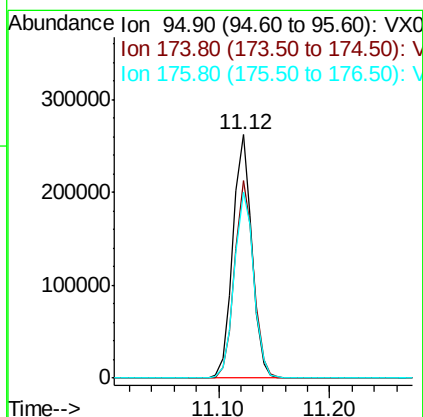
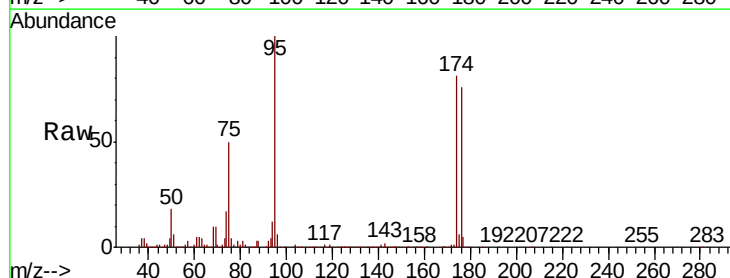
Instrument :
MSVOA_X
ClientSampled :
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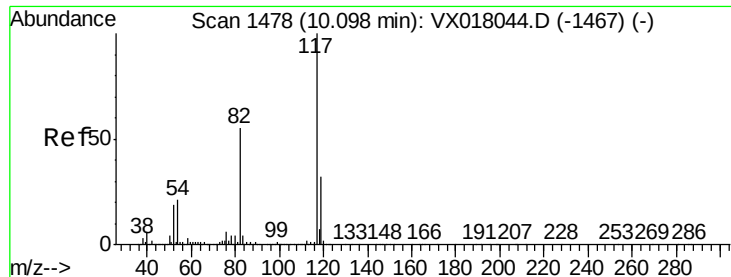
Tot Ion: 43 Resp: 3931
Ion Ratio Lower Upper
43 100
58 50.2 30.7 46.1#



#62
4-Bromofluorobenzene
Concen: 45.116 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX018328.D
Acq: 09 Sep 2020 17:46

Tgt Ion: 95 Resp: 310374
Ion Ratio Lower Upper
95 100
174 81.2 0.0 160.2
176 78.5 0.0 155.8

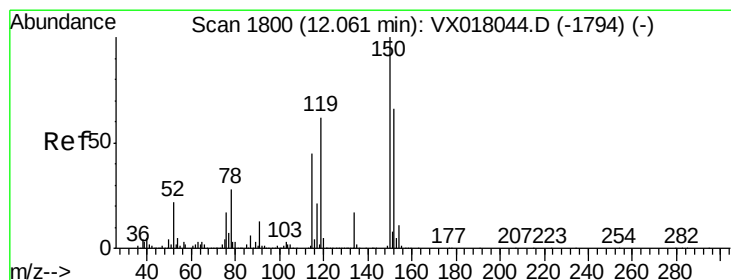
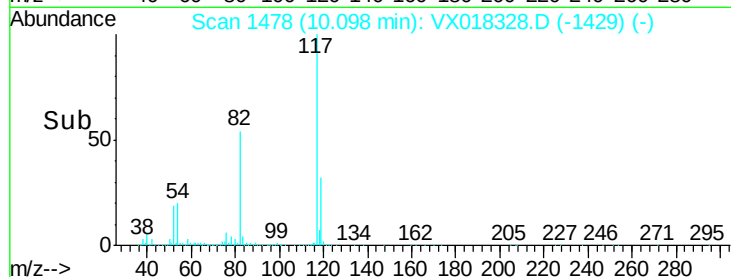
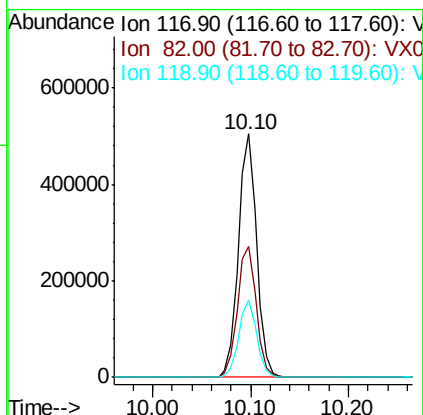
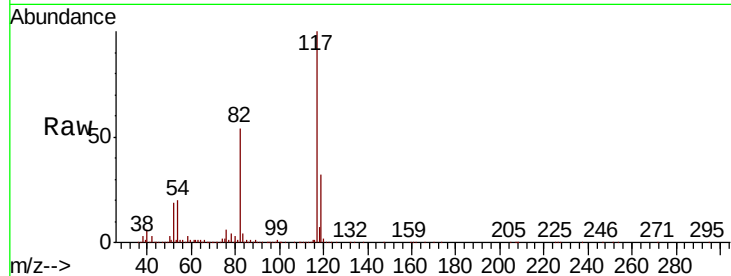




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX018328.D
Acq: 09 Sep 2020 17:46

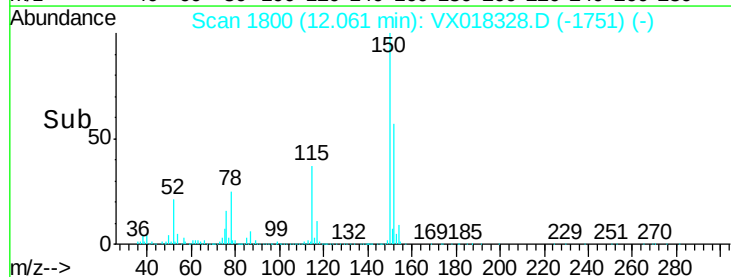
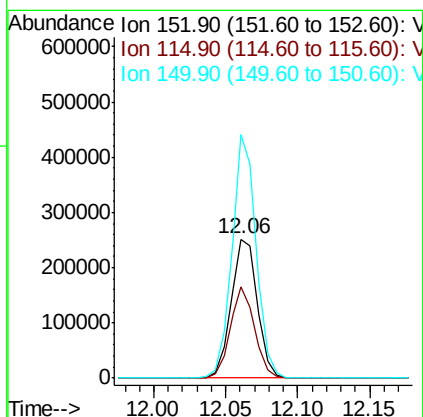
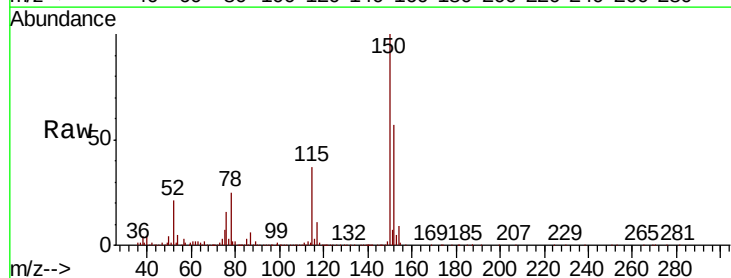
Instrument :
MSVOA_X
ClientSampleId :
FIELD-BLANK

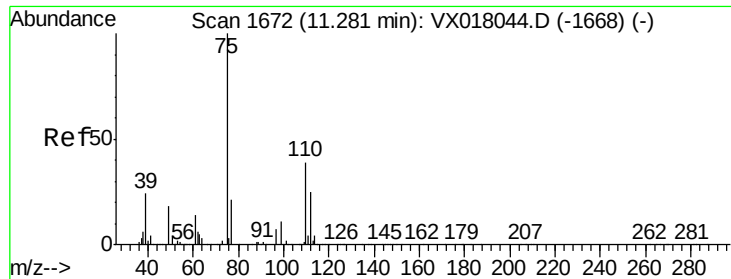
Tot Ion	Ratio	Lower	Upper
117	100		
82	54.0	44.2	66.2
119	31.5	25.7	38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX018328.D
Acq: 09 Sep 2020 17:46

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.9	41.5	124.5
150	161.6	0.0	343.8





#76

1,2,3-Trichloropropane

Concen: 23.116 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018328.D

Acq: 09 Sep 2020 17:46

Instrument :

MSVOA_X

ClientSampled :

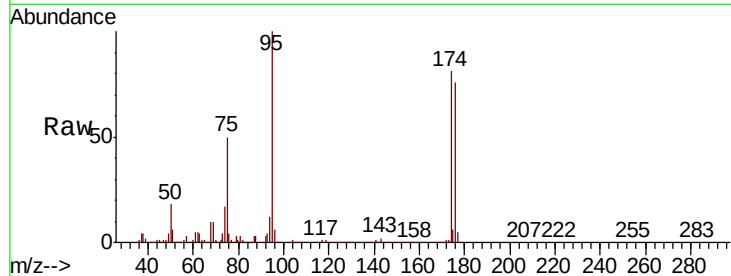
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Tot Ion: 75 Resp: 164992

Ion Ratio Lower Upper

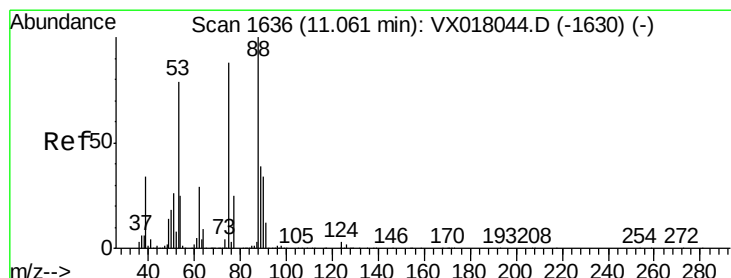
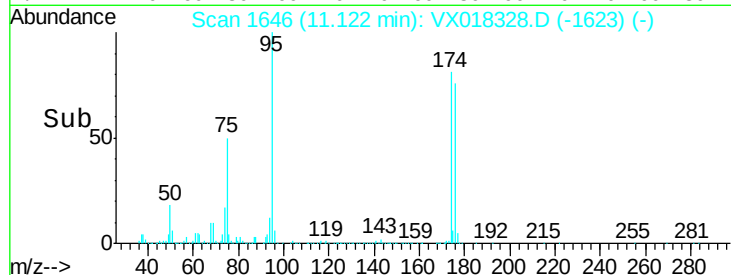
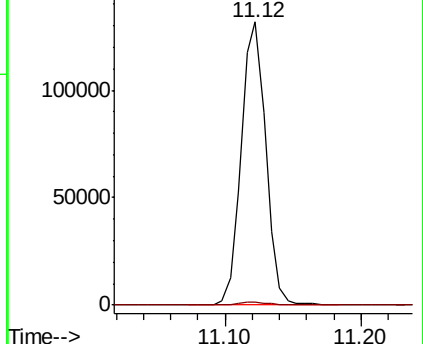
75 100

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



#81

trans-1,4-Dichloro-2-butene

Concen: 62.434 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX018328.D

Acq: 09 Sep 2020 17:46

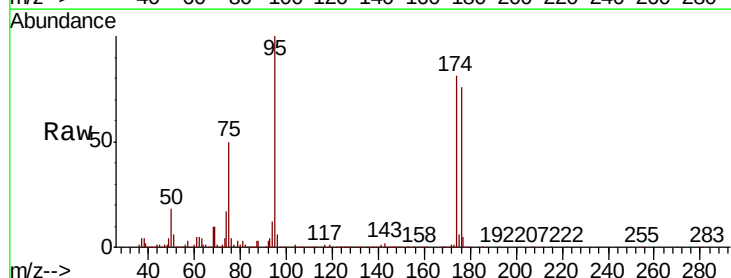
Tgt Ion: 75 Resp: 164992

Ion Ratio Lower Upper

75 100

53 0.3 74.7 112.1#

89 0.0 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

