

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081920\
 Data File : VX018008.D
 Acq On : 20 Aug 2020 01:35
 Operator : JC/SP
 Sample : L3694-08
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SUMP-081320

Quant Time: Aug 20 04:27:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081920W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 19 05:36:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	485002	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	748306	50.00	ug/l	-0.01
63) Chlorobenzene-d5	10.10	117	724349	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	344419	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	329067	46.28	ug/l	0.00
Spiked Amount			Recovery	=	92.56%	
35) Dibromofluoromethane	5.47	113	261187	46.87	ug/l	0.00
Spiked Amount			Recovery	=	93.74%	
50) Toluene-d8	8.70	98	917020	46.55	ug/l	0.00
Spiked Amount			Recovery	=	93.10%	
62) 4-Bromofluorobenzene	11.12	95	342842	47.13	ug/l	0.00
Spiked Amount			Recovery	=	94.26%	

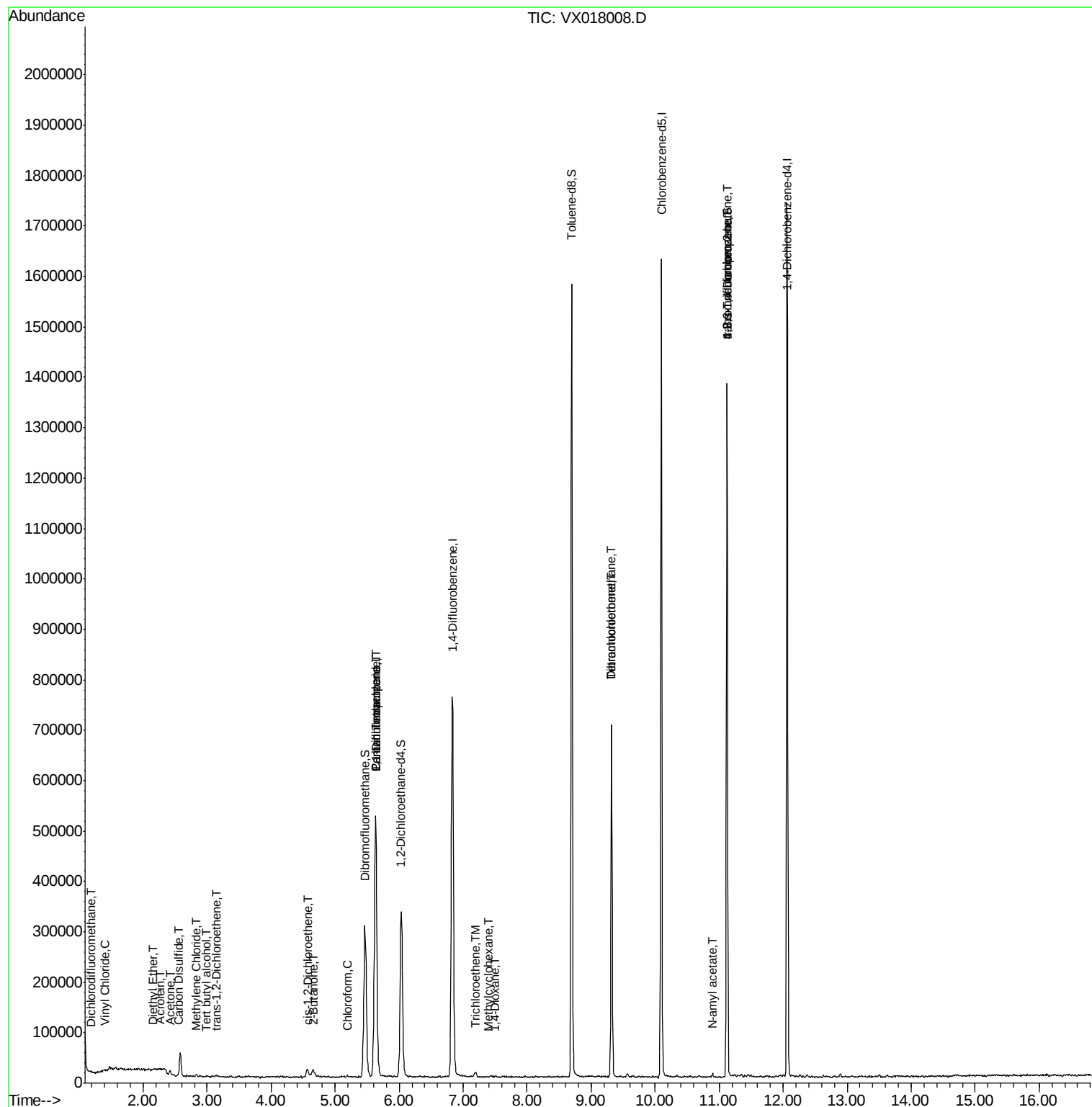
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.18	85	533	1.060	ug/l	74
4) Vinyl Chloride	1.39	62	735	2.362	ug/l	90
8) Diethyl Ether	2.16	74	1008	0.341	ug/l	55
11) Tert butyl alcohol	2.98	59	574	0.418	ug/l #	71
13) Acrolein	2.27	56	1375	1.896	ug/l #	64
16) Acetone	2.42	43	12361	4.419	ug/l	99
17) Carbon Disulfide	2.56	76	3565	0.336	ug/l	96
20) Methylene Chloride	2.83	84	2395	0.465	ug/l #	82
21) trans-1,2-Dichloroethene	3.14	96	1192	0.265	ug/l #	29
25) 2-Butanone	4.66	43	1602	0.378	ug/l #	48
27) cis-1,2-Dichloroethene	4.57	96	9422	1.777	ug/l	90
30) Chloroform	5.19	83	3924	0.396	ug/l #	74
36) 1,1-Dichloropropene	5.64	75	36850	5.883	ug/l #	53
38) Carbon Tetrachloride	5.64	117	48598	5.995	ug/l #	15
39) Methylcyclohexane	7.41	83	382	0.860	ug/l #	74
44) Trichloroethene	7.20	130	3051	0.545	ug/l	83
49) 1,4-Dioxane	7.50	88	497	4.048	ug/l	99
60) Dibromochloromethane	9.32	129	127498	18.004	ug/l #	10
64) Tetrachloroethene	9.32	164	128004	23.140	ug/l	95
74) N-amyl acetate	10.90	43	2024	0.205	ug/l #	20
76) 1,2,3-Trichloropropane	11.12	75	176078	24.039	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	176078	63.154	ug/l #	12

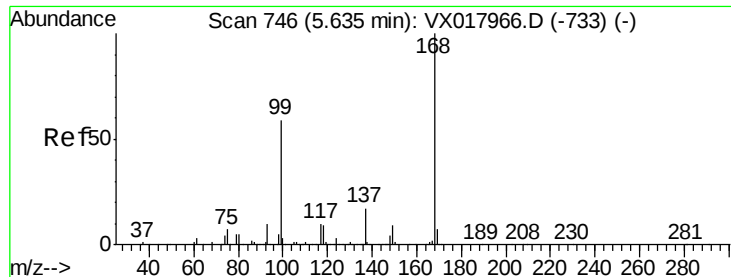
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Aug 19 05:36:51 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.00 min

Lab File: VX018008.D

Acq: 20 Aug 2020 01:35

Instrument :

MSVOA_X

ClientSampleId :

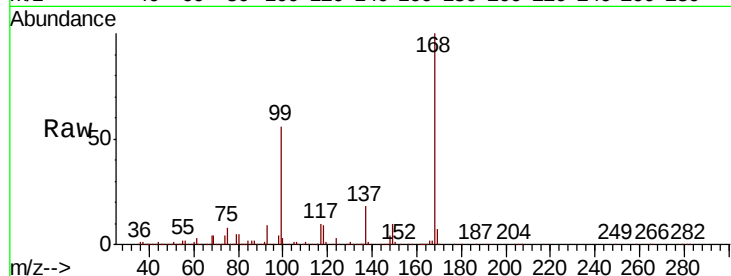
SUMP-081320

Tot Ion:168 Resp: 485002

Ion Ratio Lower Upper

168 100

99 55.6 47.4 71.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

200000

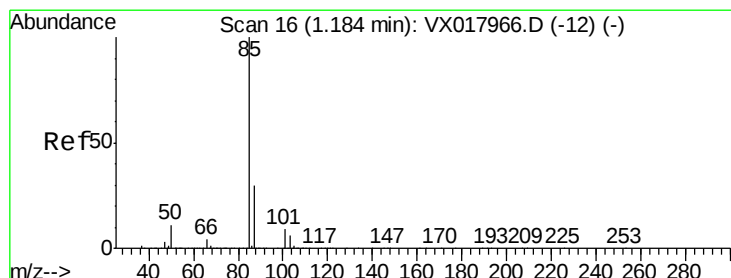
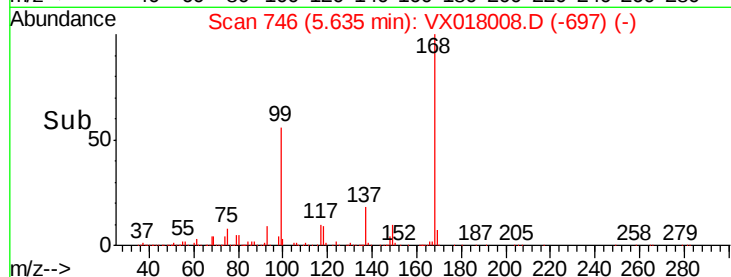
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 1.060 ug/l

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX018008.D

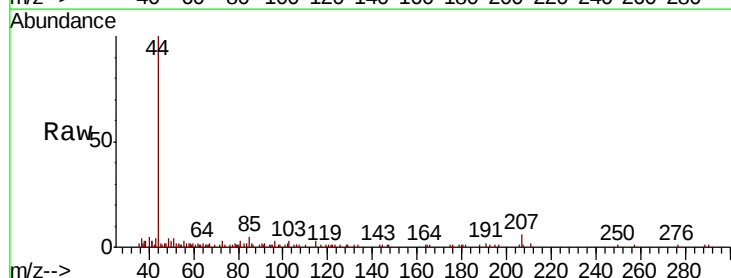
Acq: 20 Aug 2020 01:35

Tgt Ion: 85 Resp: 533

Ion Ratio Lower Upper

85 100

87 16.5 15.3 45.8



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.18

500

400

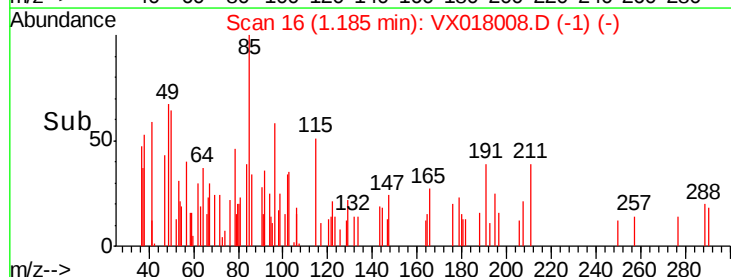
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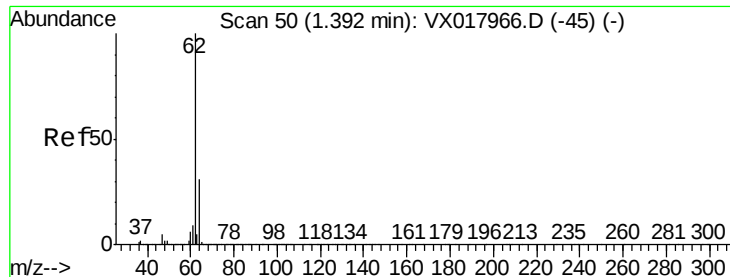
200

100

0

Time-->





#4

Vinyl Chloride

Concen: 2.362 ug/l

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX018008.D

Acq: 20 Aug 2020 01:35

Instrument :

MSVOA_X

ClientSampleId :

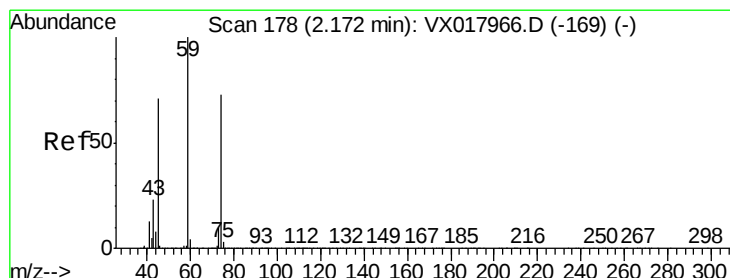
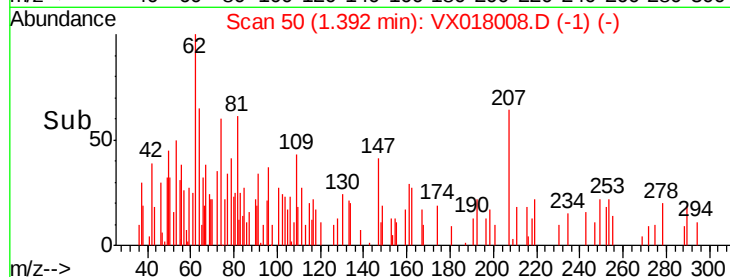
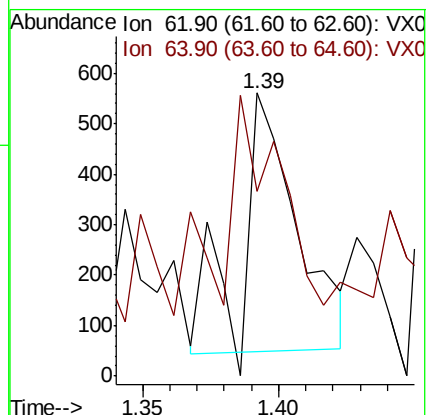
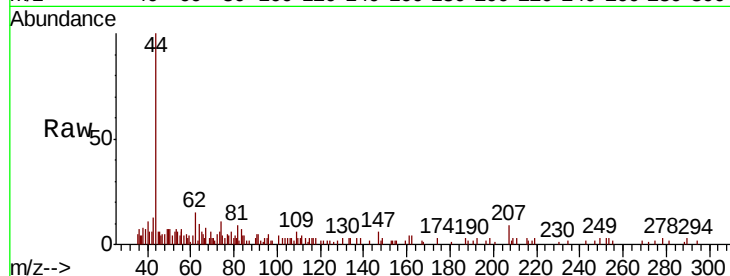
SUMP-081320

Tot Ion: 62 Resp: 735

Ion Ratio Lower Upper

62 100

64 36.1 24.7 37.1



#8

Diethyl Ether

Concen: 0.341 ug/l

RT: 2.16 min Scan# 176

Delta R.T. -0.01 min

Lab File: VX018008.D

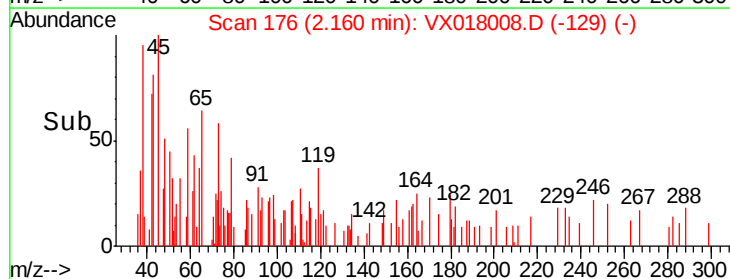
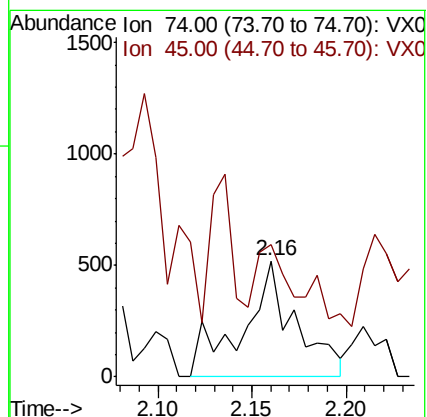
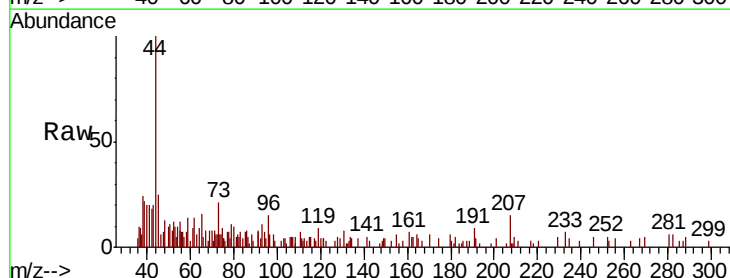
Acq: 20 Aug 2020 01:35

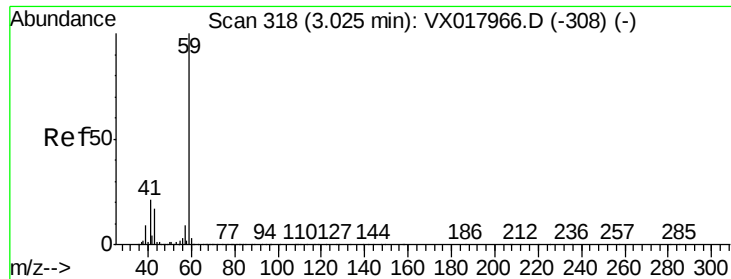
Tgt Ion: 74 Resp: 1008

Ion Ratio Lower Upper

74 100

45 55.5 50.5 151.6



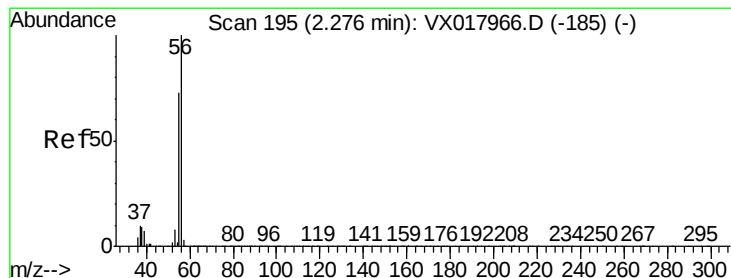
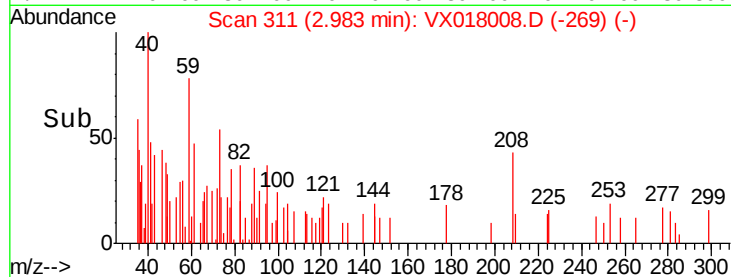
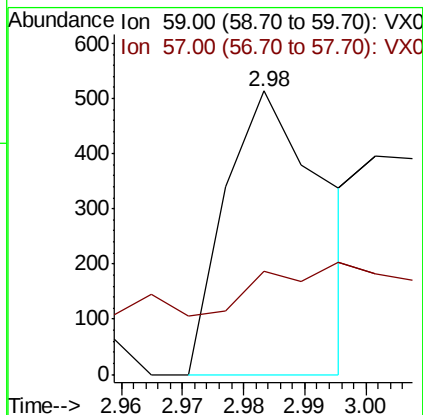
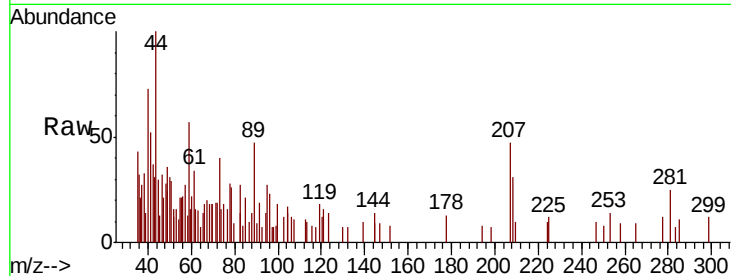


#11

Tert butyl alcohol
Concen: 0.418 ug/l
RT: 2.98 min Scan# 311
Delta R.T. -0.04 min
Lab File: VX018008.D
Acq: 20 Aug 2020 01:35

Instrument :
MSVOA_X
ClientSampled :
SUMP-081320

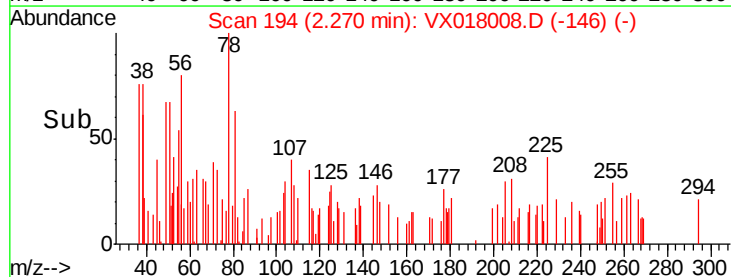
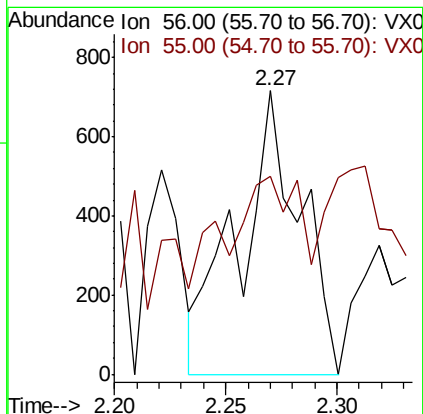
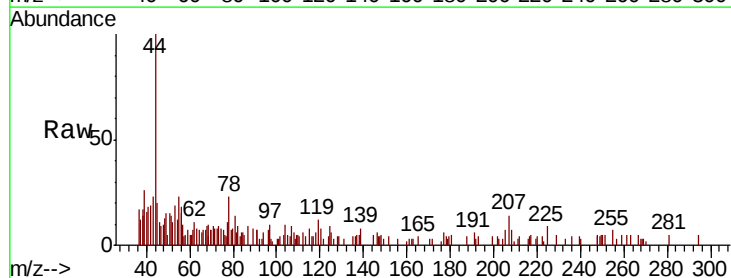
Tot Ion: 59 Resp: 574
Ion Ratio Lower Upper
59 100
57 0.0 8.6 13.0#

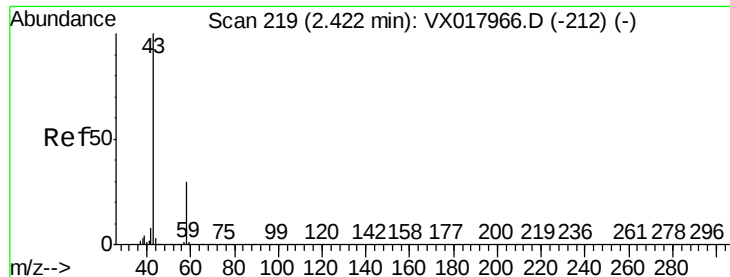


#13

Acrolein
Concen: 1.896 ug/l
RT: 2.27 min Scan# 194
Delta R.T. -0.01 min
Lab File: VX018008.D
Acq: 20 Aug 2020 01:35

Tgt Ion: 56 Resp: 1375
Ion Ratio Lower Upper
56 100
55 42.5 58.2 87.4#





#16

Acetone

Concen: 4.419 ug/l

RT: 2.42 min Scan# 219

Delta R.T. 0.00 min

Lab File: VX018008.D

Acq: 20 Aug 2020 01:35

Instrument :

MSVOA_X

ClientSampleId :

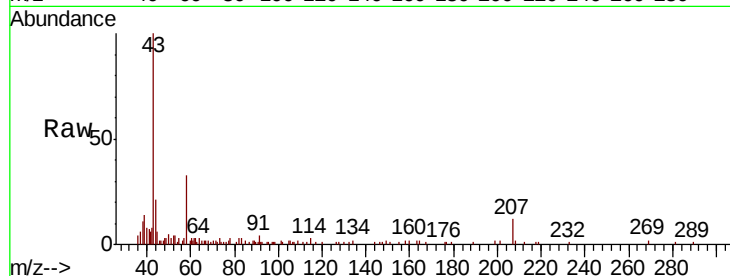
SUMP-081320

Tot Ion: 43 Resp: 12361

Ion Ratio Lower Upper

43 100

58 29.3 23.8 35.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.42

6000

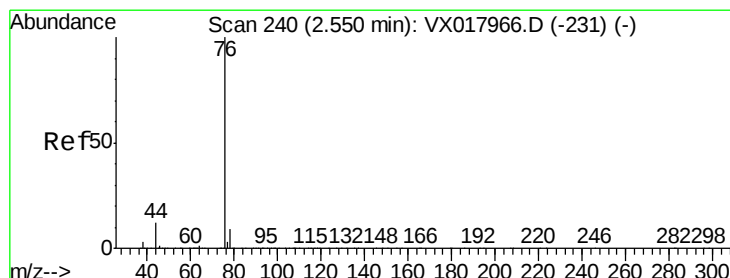
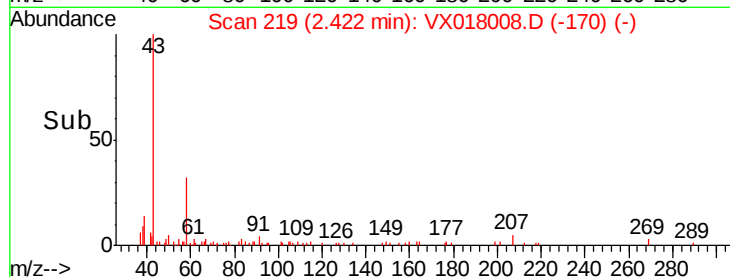
4000

2000

0

Time-->

2.35 2.40 2.45 2.50



#17

Carbon Disulfide

Concen: 0.336 ug/l

RT: 2.56 min Scan# 241

Delta R.T. 0.01 min

Lab File: VX018008.D

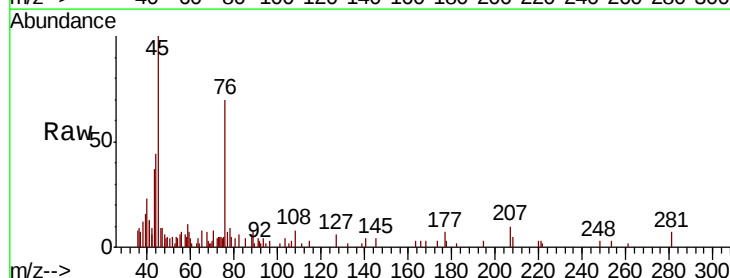
Acq: 20 Aug 2020 01:35

Tgt Ion: 76 Resp: 3565

Ion Ratio Lower Upper

76 100

78 7.8 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.56

2000

1500

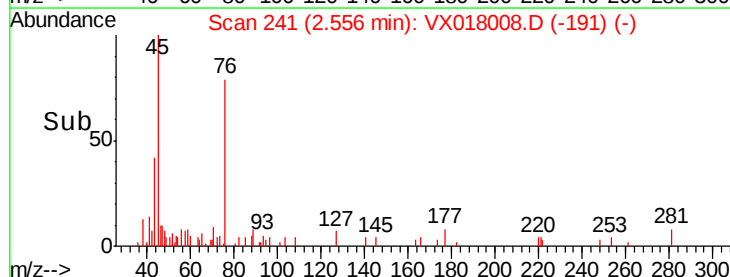
1000

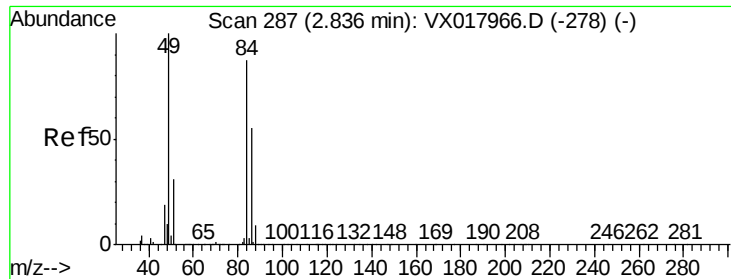
500

0

Time-->

2.50 2.55 2.60 2.65

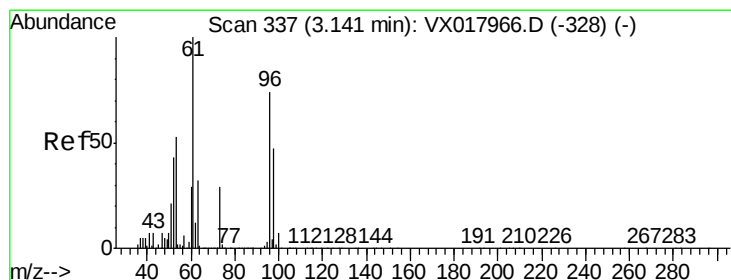
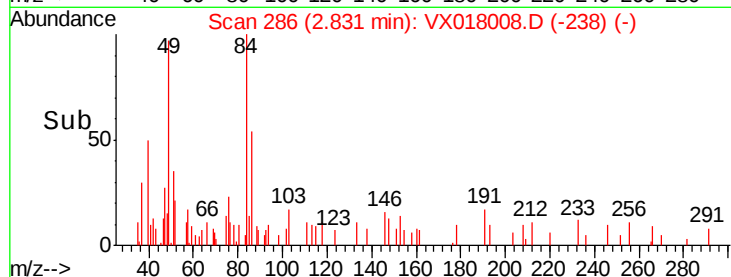
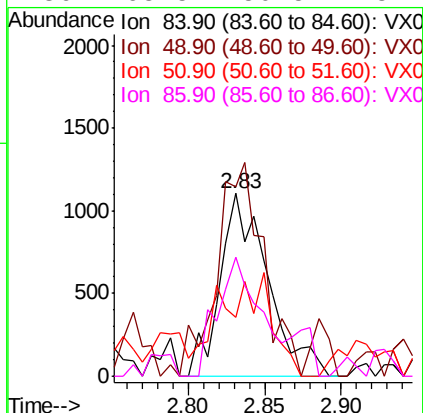
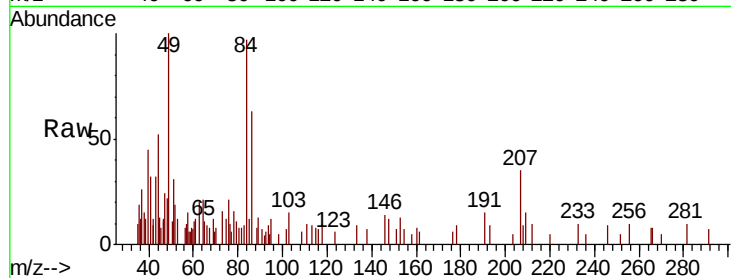




#20
Methvlene Chloride
Concen: 0.465 ug/l
RT: 2.83 min Scan# 286
Delta R.T. -0.01 min
Lab File: VX018008.D
Acq: 20 Aug 2020 01:35

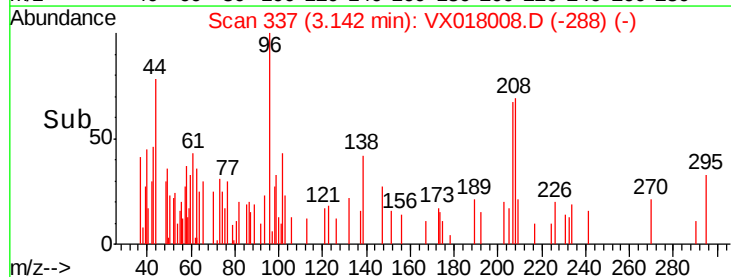
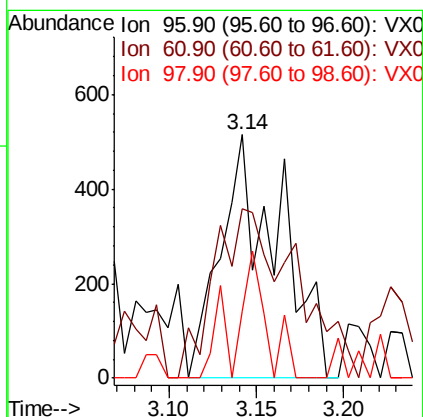
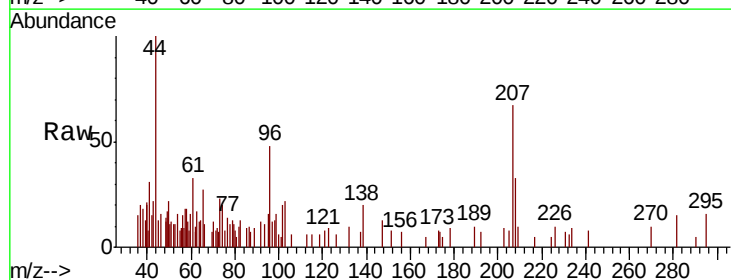
Instrument :
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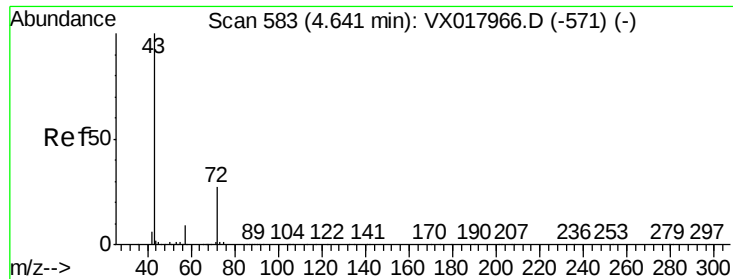
Tot Ion: 84 Resp: 2395
Ion Ratio Lower Upper
84 100
49 87.9 91.8 137.6#
51 22.5 27.8 41.8#
86 65.5 50.5 75.7



#21
trans-1,2-Dichloroethene
Concen: 0.265 ug/l
RT: 3.14 min Scan# 337
Delta R.T. 0.00 min
Lab File: VX018008.D
Acq: 20 Aug 2020 01:35

Tgt Ion: 96 Resp: 1192
Ion Ratio Lower Upper
96 100
61 49.1 108.6 163.0#
98 11.1 51.4 77.0#

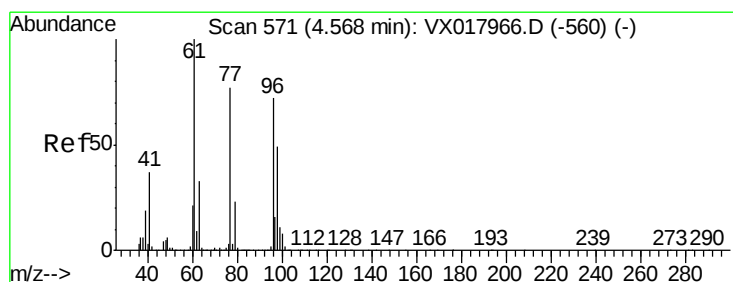
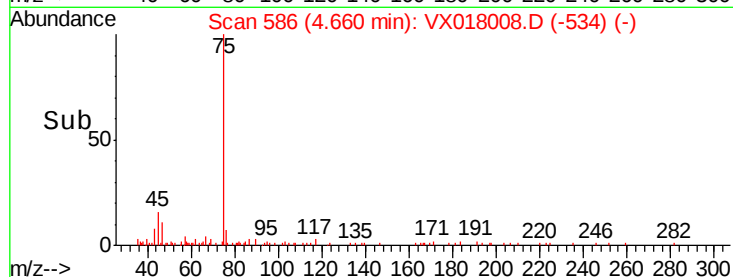
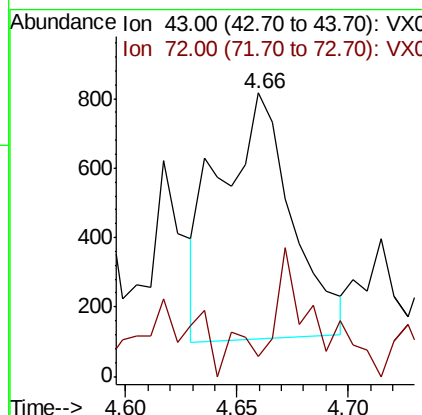
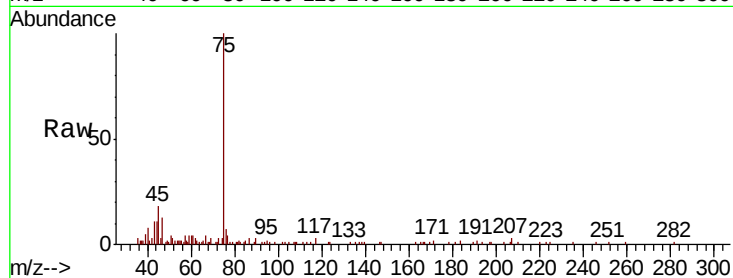




#25
2-Butanone
Concen: 0.378 ug/l
RT: 4.66 min Scan# 586
Delta R.T. 0.02 min
Lab File: VX018008.D
Acq: 20 Aug 2020 01:35

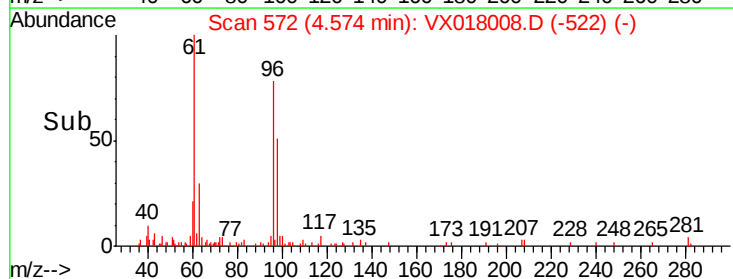
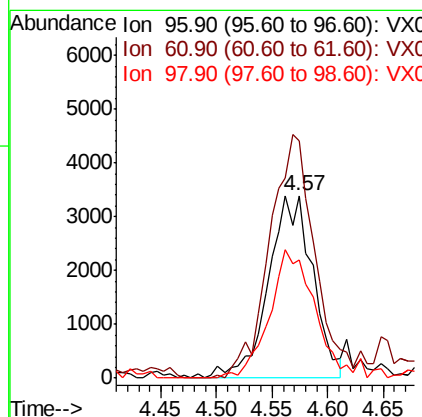
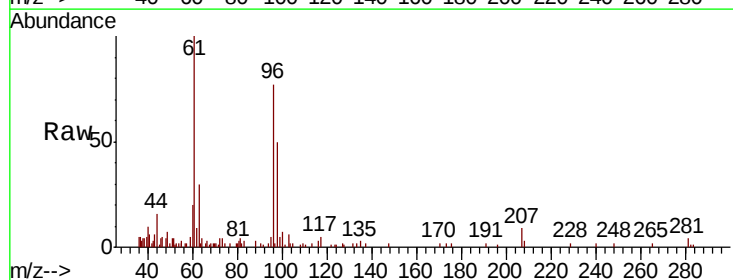
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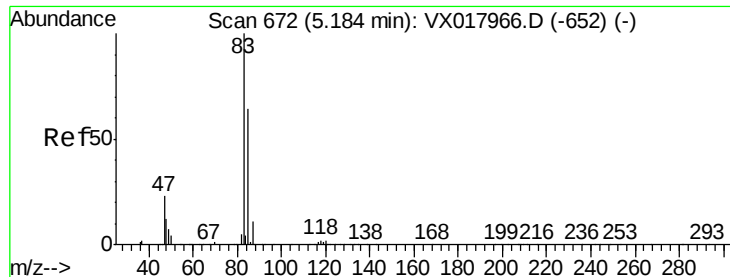
Tot Ion: 43 Resp: 1602
Ion Ratio Lower Upper
43 100
72 0.0 21.4 32.2#



#27
cis-1,2-Dichloroethene
Concen: 1.777 ug/l
RT: 4.57 min Scan# 572
Delta R.T. 0.01 min
Lab File: VX018008.D
Acq: 20 Aug 2020 01:35

Tgt Ion: 96 Resp: 9422
Ion Ratio Lower Upper
96 100
61 135.4 0.0 298.8
98 70.6 0.0 130.2

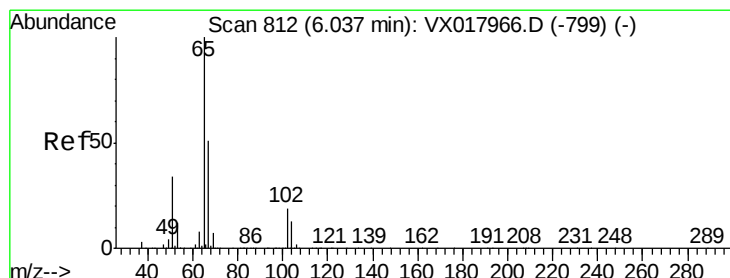
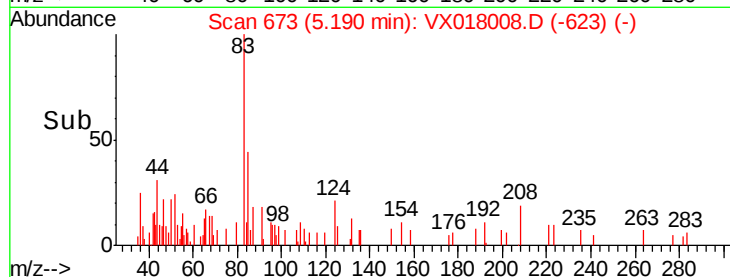
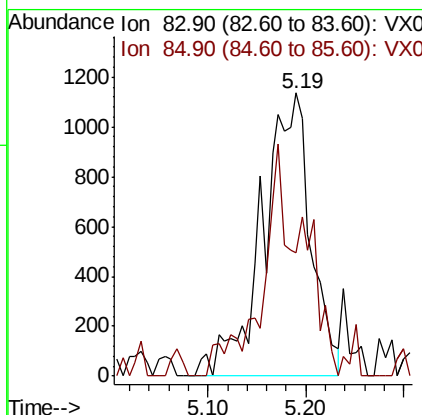
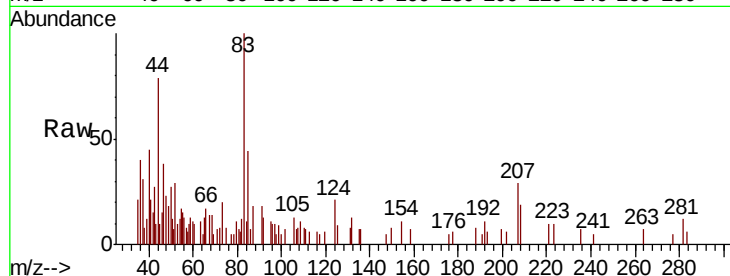




#30
Chloroform
Concen: 0.396 ug/l
RT: 5.19 min Scan# 673
Delta R.T. 0.01 min
Lab File: VX018008.D
Acq: 20 Aug 2020 01:35

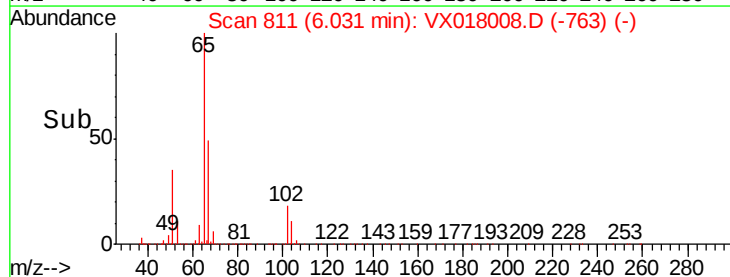
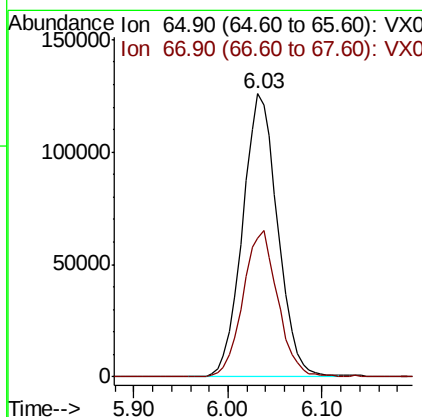
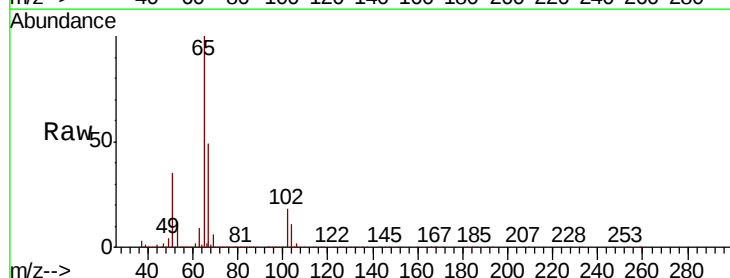
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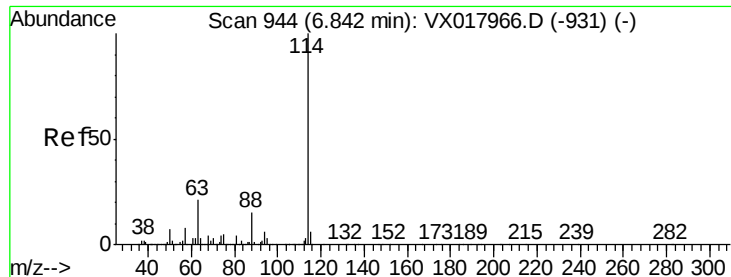
Tot Ion: 83 Resp: 3924
Ion Ratio Lower Upper
83 100
85 43.7 51.3 76.9#



#33
1,2-Dichloroethane-d4
Concen: 46.284 ug/l
RT: 6.03 min Scan# 811
Delta R.T. -0.01 min
Lab File: VX018008.D
Acq: 20 Aug 2020 01:35

Tgt Ion: 65 Resp: 329067
Ion Ratio Lower Upper
65 100
67 51.0 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.01 min

Lab File: VX018008.D

Acq: 20 Aug 2020 01:35

Instrument :

MSVOA_X

ClientSampleId :

SUMP-081320

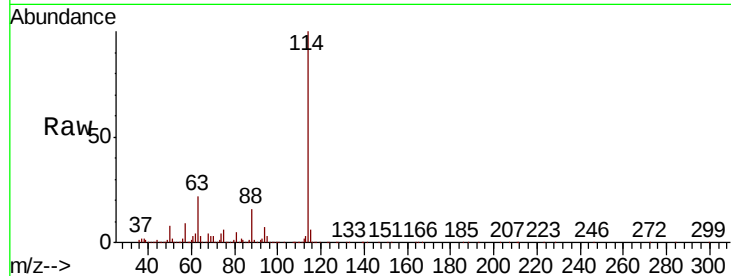
Tot Ion:114 Resp: 748306

Ion Ratio Lower Upper

114 100

63 21.7 0.0 42.6

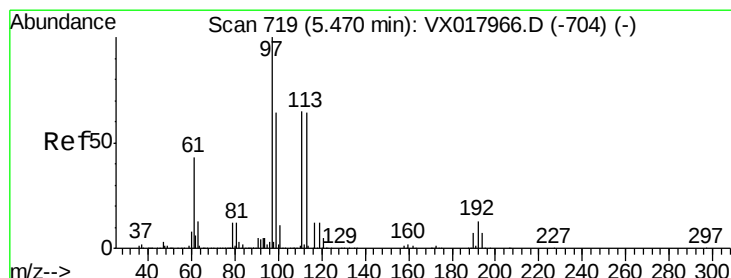
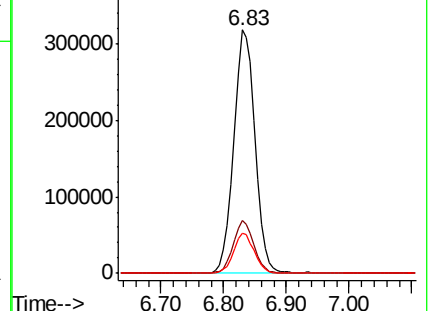
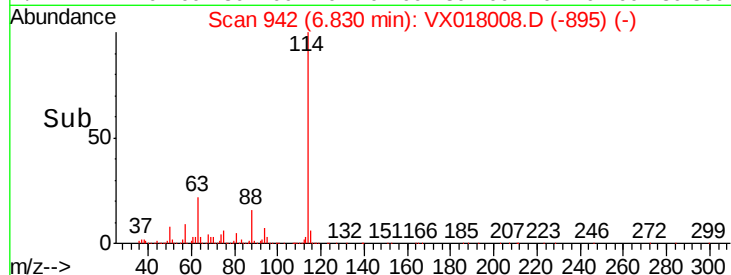
88 16.2 0.0 30.2



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: 46.871 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.00 min

Lab File: VX018008.D

Acq: 20 Aug 2020 01:35

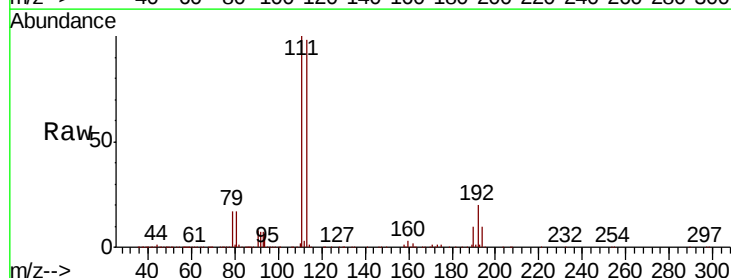
Tgt Ion:113 Resp: 261187

Ion Ratio Lower Upper

113 100

111 102.3 83.5 125.3

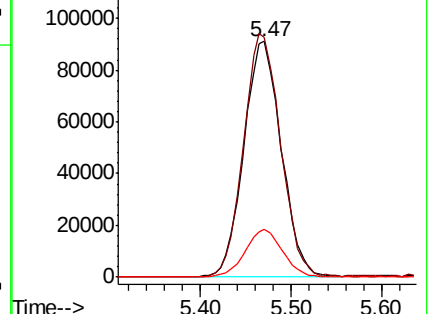
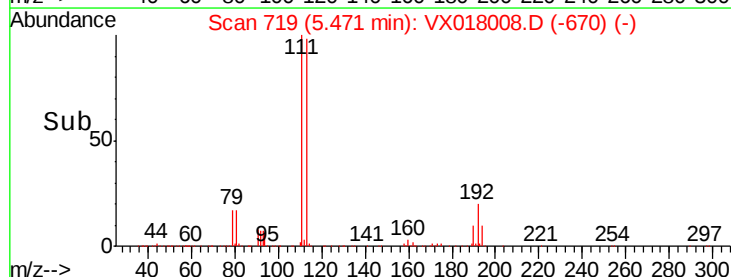
192 20.3 16.2 24.4

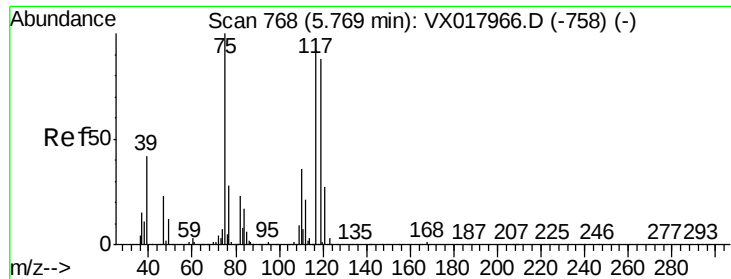


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.883 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.13 min

Lab File: VX018008.D

Acq: 20 Aug 2020 01:35

Instrument :

MSVOA_X

ClientSampleId :

SUMP-081320

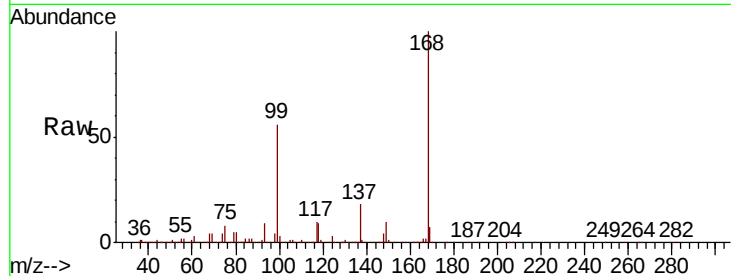
Tot Ion: 75 Resp: 36850

Ion Ratio Lower Upper

75 100

110 12.5 18.7 56.1#

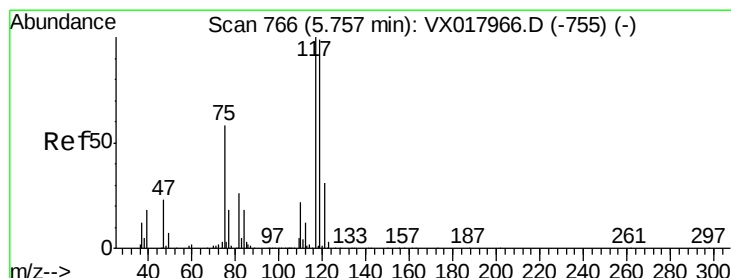
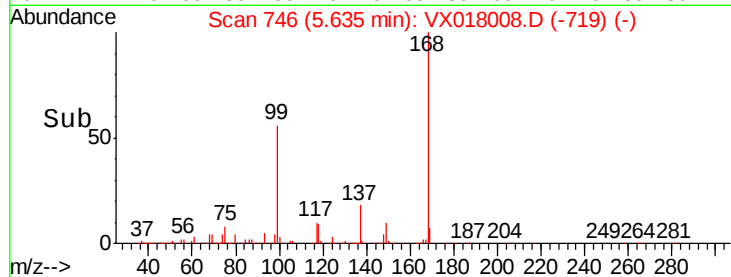
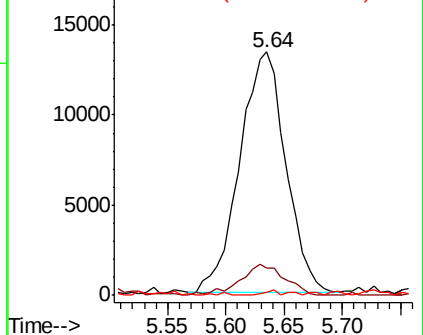
77 0.7 24.4 36.6#



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: 5.995 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX018008.D

Acq: 20 Aug 2020 01:35

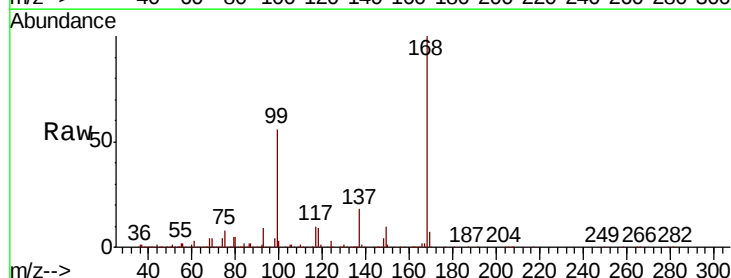
Tgt Ion: 117 Resp: 48598

Ion Ratio Lower Upper

117 100

119 5.9 79.0 118.6#

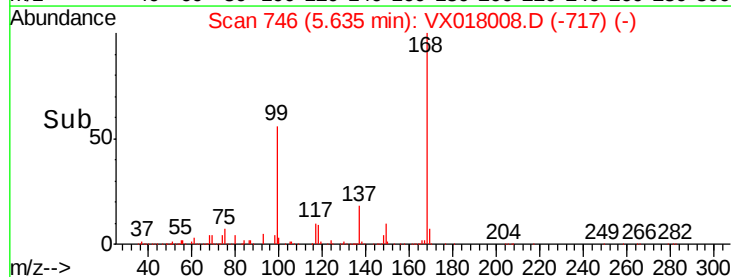
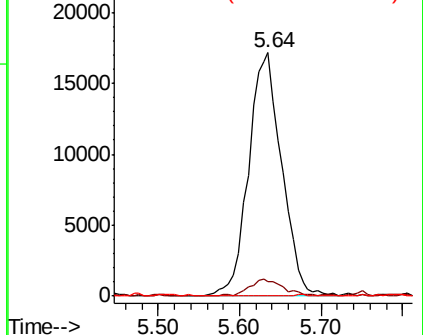
121 0.0 24.7 37.1#

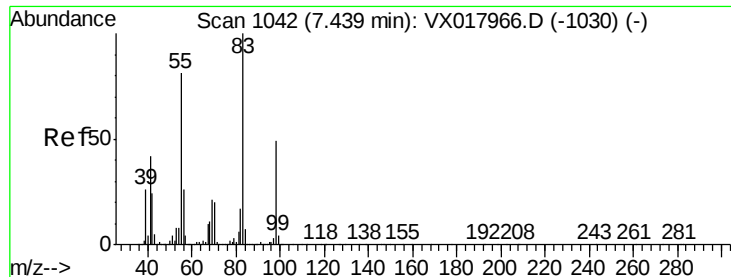


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#39

Methvlcvclohexane

Concen: 0.860 ug/l

RT: 7.41 min Scan# 1037

Delta R.T. -0.03 min

Lab File: VX018008.D

Acq: 20 Aug 2020 01:35

Instrument :

MSVOA_X

ClientSampleId :

SUMP-081320

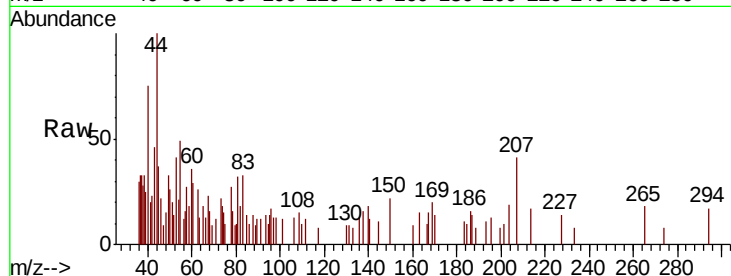
Tot Ion: 83 Resp: 382

Ion Ratio Lower Upper

83 100

55 86.7 64.5 96.7

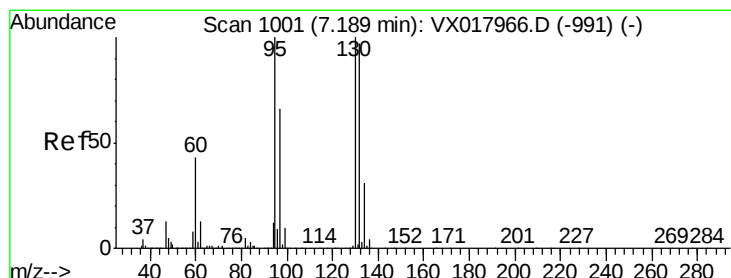
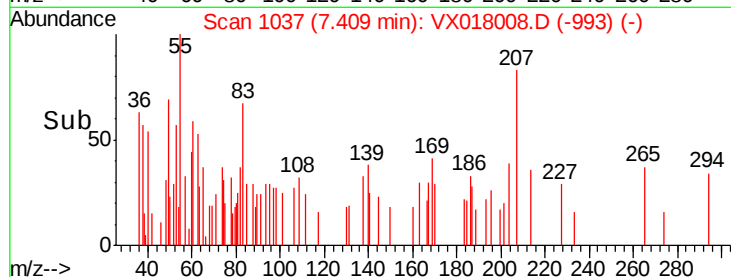
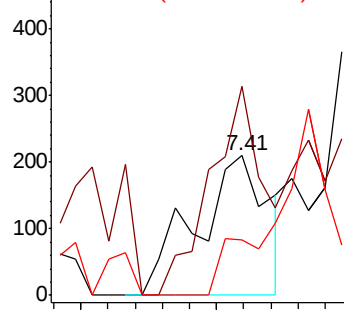
98 9.5 39.0 58.6#



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0



#44

Trichloroethene

Concen: 0.545 ug/l

RT: 7.20 min Scan# 1002

Delta R.T. 0.01 min

Lab File: VX018008.D

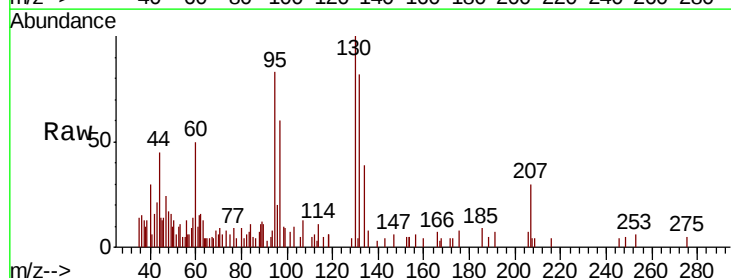
Acq: 20 Aug 2020 01:35

Tgt Ion:130 Resp: 3051

Ion Ratio Lower Upper

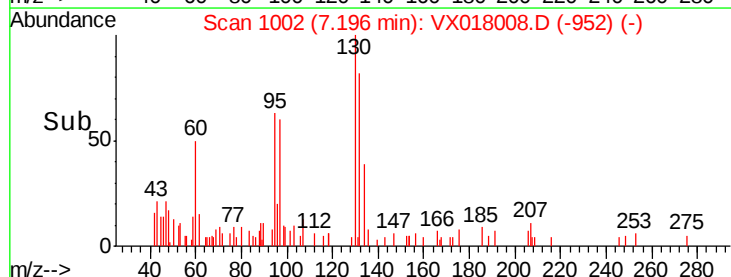
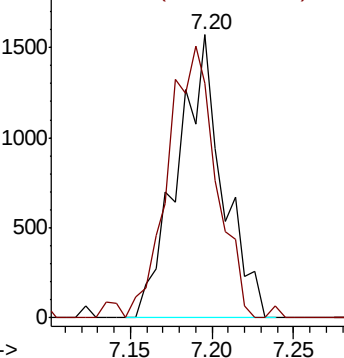
130 100

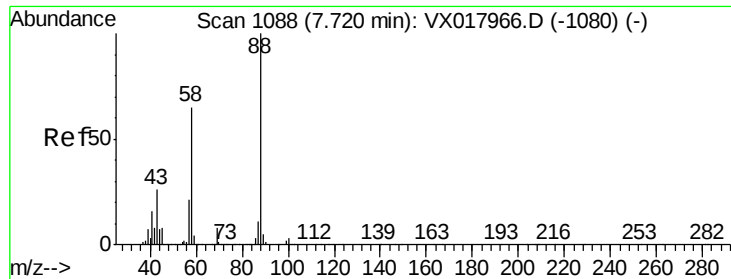
95 82.9 0.0 200.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#49

1,4-Dioxane

Concen: 4.048 ug/l

RT: 7.50 min Scan# 1052

Delta R.T. -0.22 min

Lab File: VX018008.D

Acq: 20 Aug 2020 01:35

Instrument :

MSVOA_X

ClientSampleId :

SUMP-081320

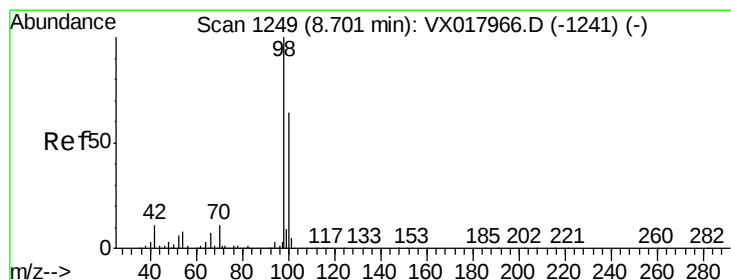
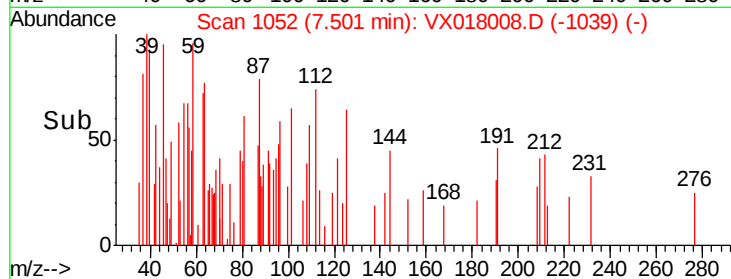
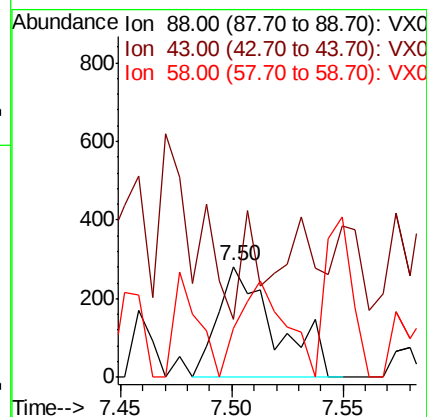
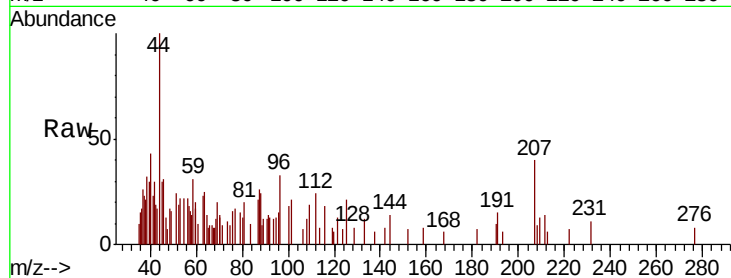
Tot Ion: 88 Resp: 497

Ion Ratio Lower Upper

88 100

43 35.4 27.3 40.9

58 71.4 57.7 86.5



#50

Toluene-d8

Concen: 46.555 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.01 min

Lab File: VX018008.D

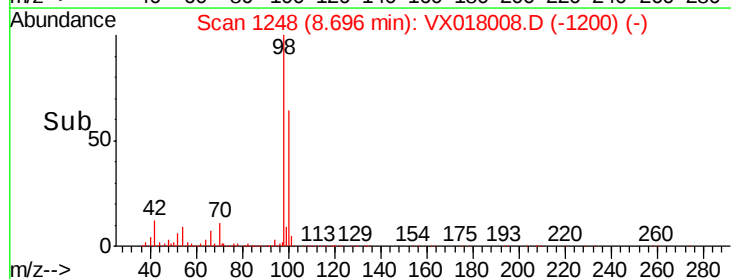
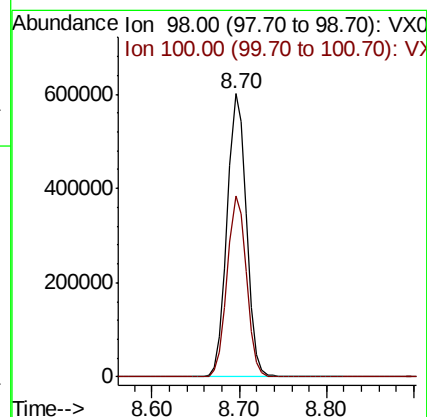
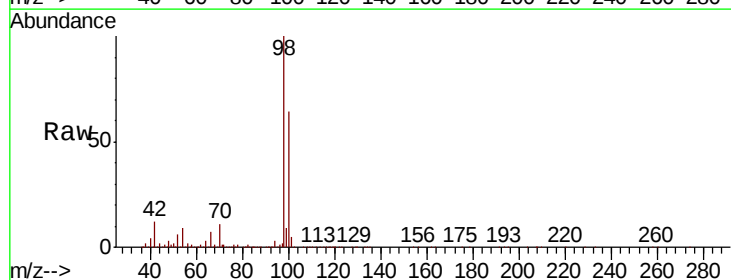
Acq: 20 Aug 2020 01:35

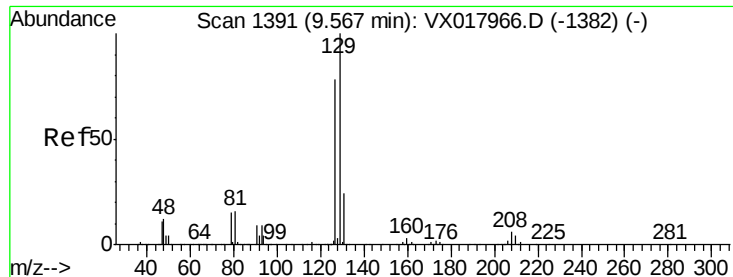
Tgt Ion: 98 Resp: 917020

Ion Ratio Lower Upper

98 100

100 63.9 51.4 77.2





#60

Dibromochloromethane

Concen: 18.004 ug/l

RT: 9.32 min Scan# 1350

Delta R.T. -0.25 min

Lab File: VX018008.D

Acq: 20 Aug 2020 01:35

Instrument :

MSVOA_X

ClientSampleId :

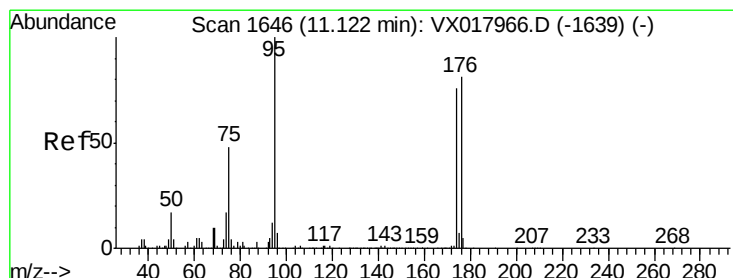
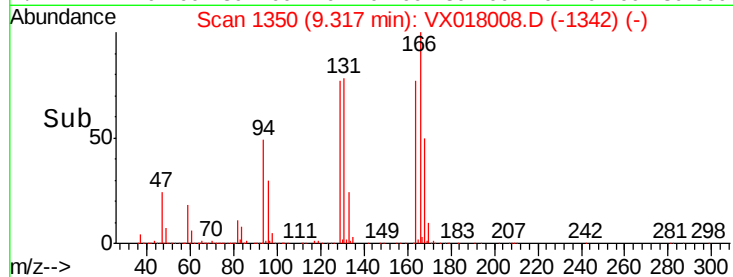
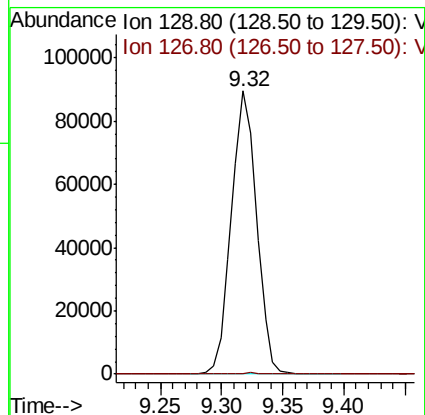
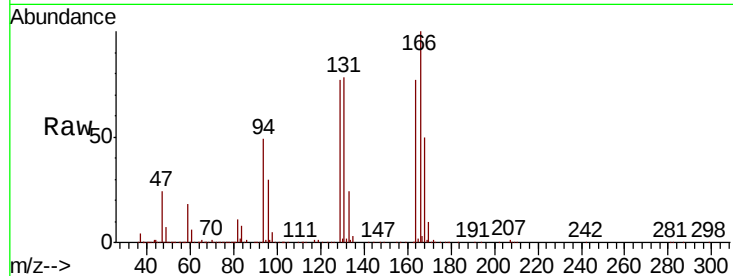
SUMP-081320

Tot Ion:129 Resp: 127498

Ion Ratio Lower Upper

129 100

127 0.2 39.5 118.3#



#62

4-Bromofluorobenzene

Concen: 47.125 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX018008.D

Acq: 20 Aug 2020 01:35

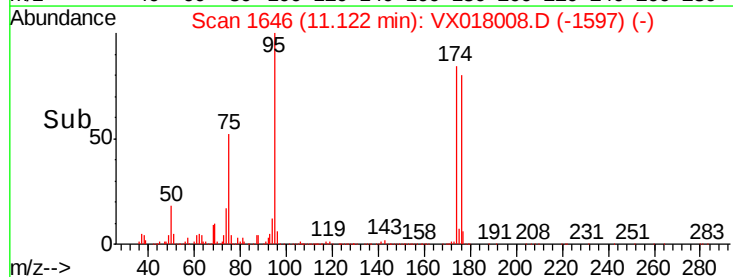
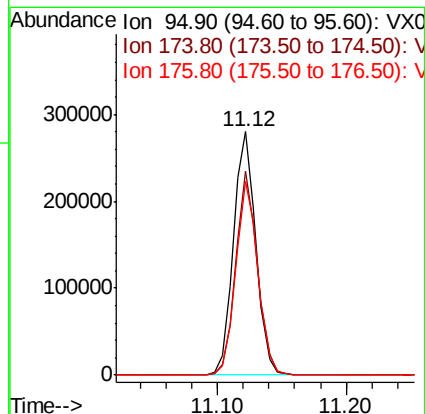
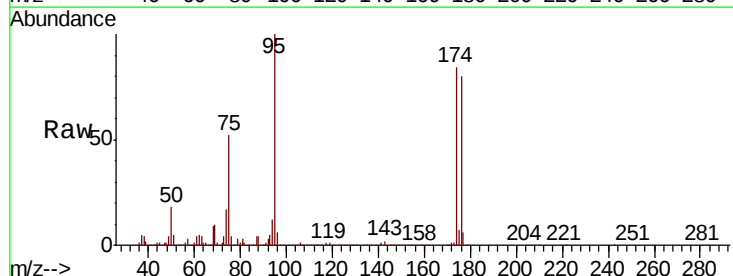
Tgt Ion: 95 Resp: 342842

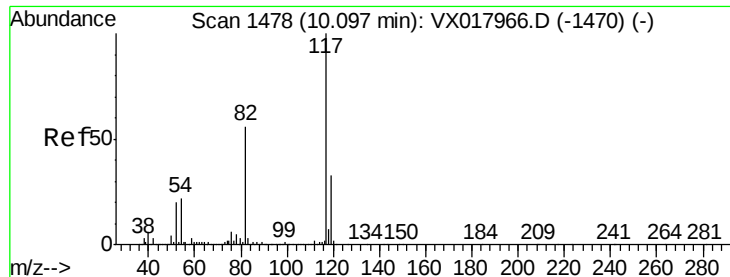
Ion Ratio Lower Upper

95 100

174 80.8 0.0 166.0

176 78.4 0.0 161.0

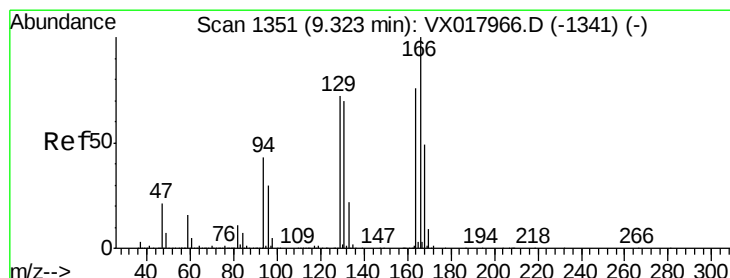
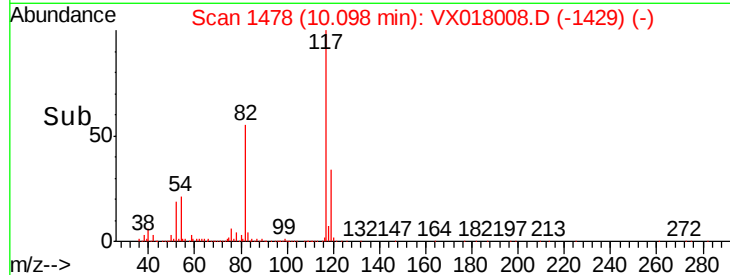
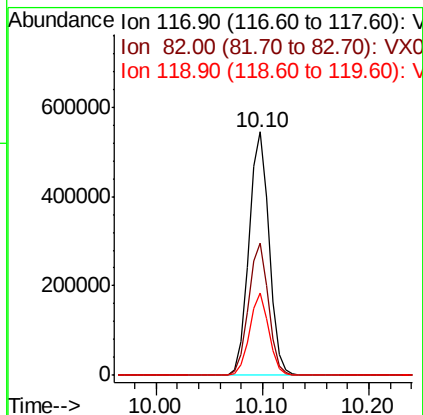
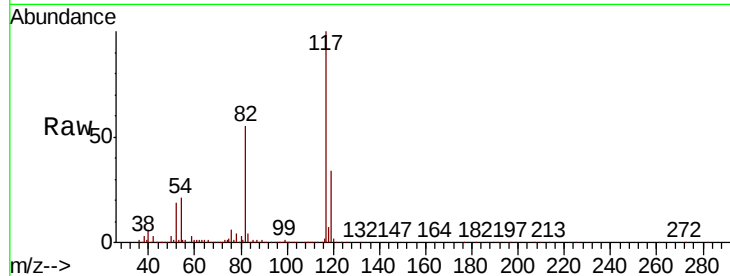




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX018008.D
Acq: 20 Aug 2020 01:35

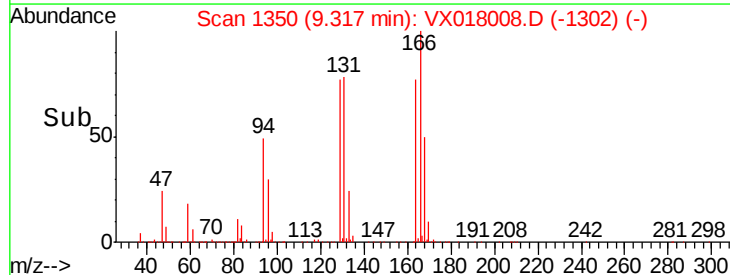
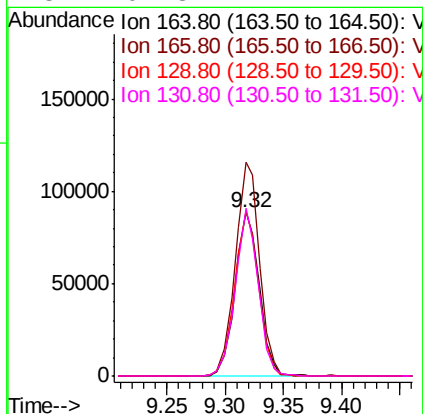
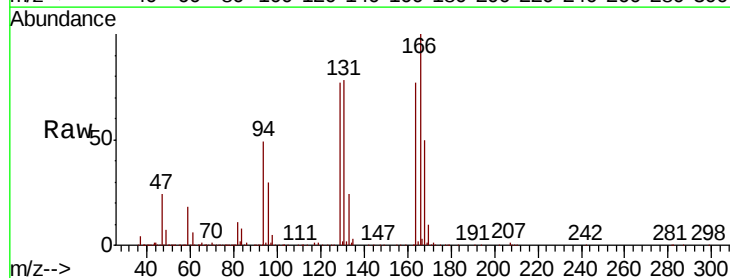
Instrument :
MSVOA_X
ClientSampleId :
SUMP-081320

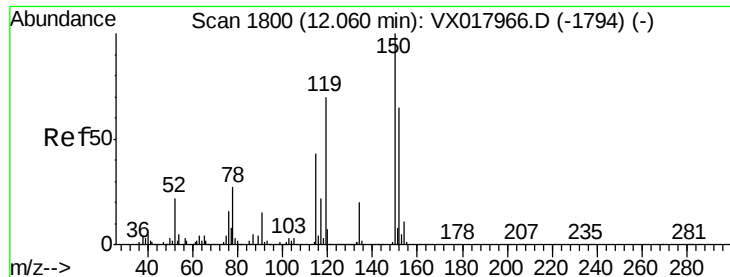
Tot Ion:117 Resp: 724349
Ion Ratio Lower Upper
117 100
82 54.6 44.6 66.8
119 33.6 26.2 39.4



#64
Tetrachloroethene
Concen: 23.140 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. -0.01 min
Lab File: VX018008.D
Acq: 20 Aug 2020 01:35

Tgt Ion:164 Resp: 128004
Ion Ratio Lower Upper
164 100
166 130.5 105.7 158.5
129 101.0 75.8 113.8
131 102.3 74.2 111.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VX018008.D

Acq: 20 Aug 2020 01:35

Instrument :

MSVOA_X

ClientSampleId :

SUMP-081320

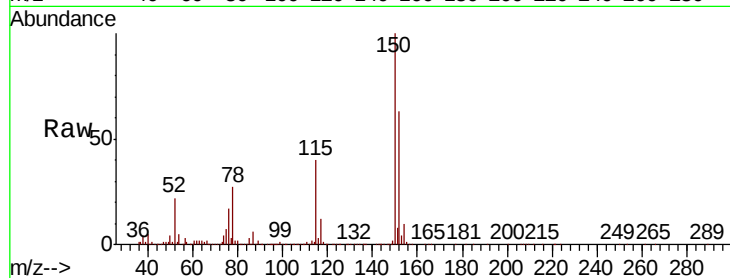
Tot Ion:152 Resp: 344419

Ion Ratio Lower Upper

152 100

115 59.5 40.6 121.7

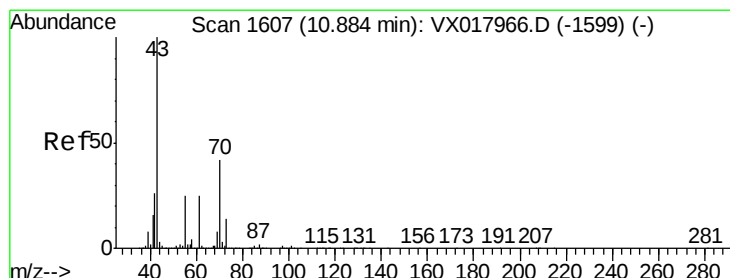
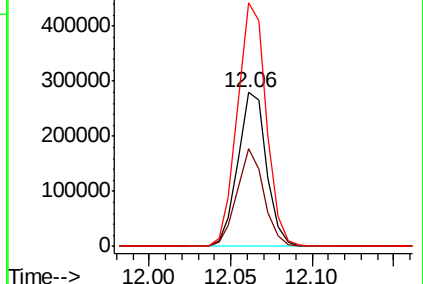
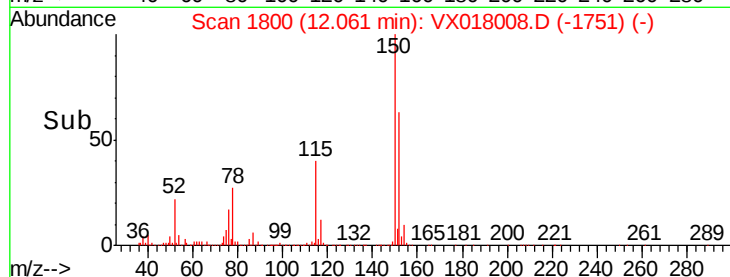
150 159.2 0.0 346.4



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



#74

N-ethyl acetate

Concen: 0.205 ug/l

RT: 10.90 min Scan# 1610

Delta R.T. 0.02 min

Lab File: VX018008.D

Acq: 20 Aug 2020 01:35

Tgt Ion: 43 Resp: 2024

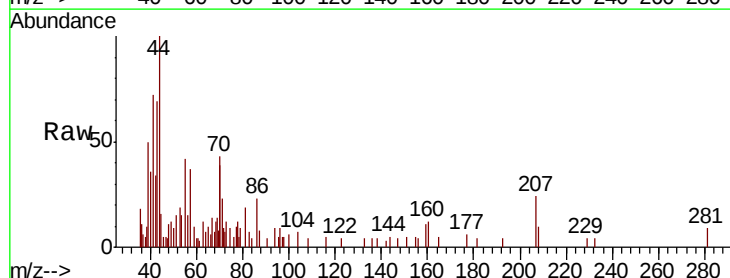
Ion Ratio Lower Upper

43 100

70 109.3 32.9 49.3#

55 55.5 19.3 28.9#

61 0.0 19.6 29.4#

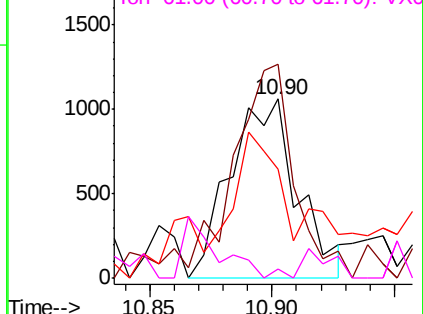
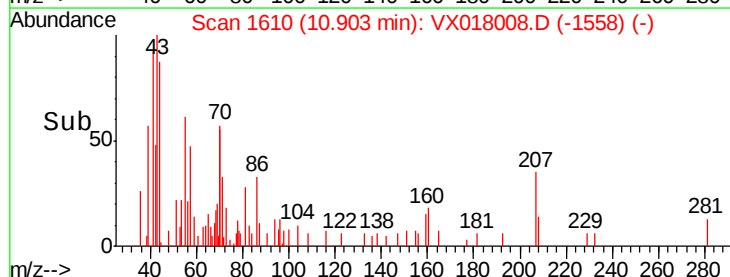


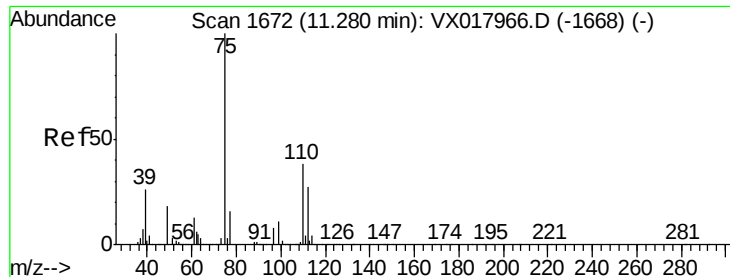
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#76

1,2,3-Trichloropropane

Concen: 24.039 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018008.D

Acq: 20 Aug 2020 01:35

Instrument :

MSVOA_X

ClientSampleId :

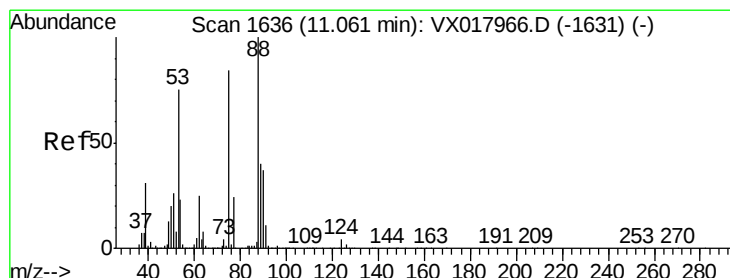
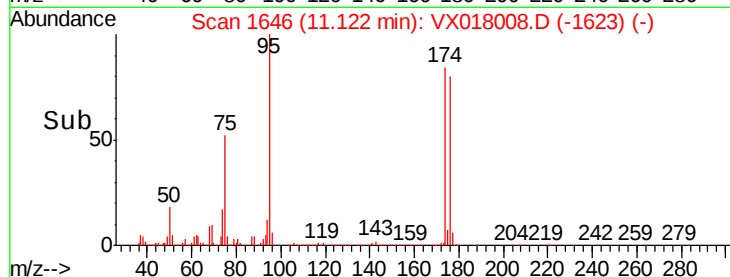
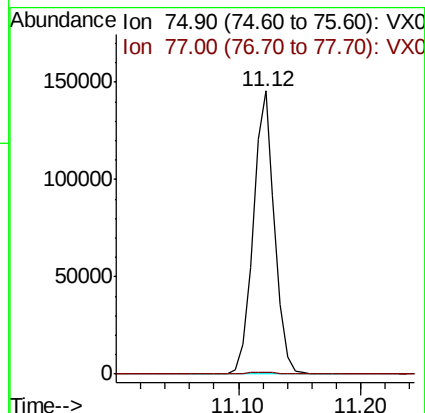
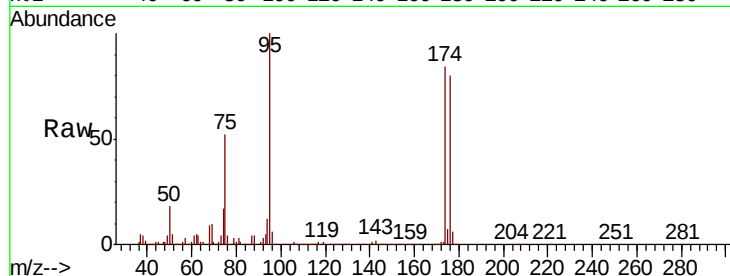
SUMP-081320

Tot Ion: 75 Resp: 176078

Ion Ratio Lower Upper

75 100

77 1.1 21.1 63.1#



#81

trans-1,4-Dichloro-2-butene

Concen: 63.154 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX018008.D

Acq: 20 Aug 2020 01:35

Tgt Ion: 75 Resp: 176078

Ion Ratio Lower Upper

75 100

53 0.3 75.2 112.8#

89 0.0 38.4 57.6#

