

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081920\
 Data File : VX018007.D
 Acq On : 20 Aug 2020 01:12
 Operator : JC/SP
 Sample : L3694-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SLUICEWAY-081320

Quant Time: Aug 20 04:27:15 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

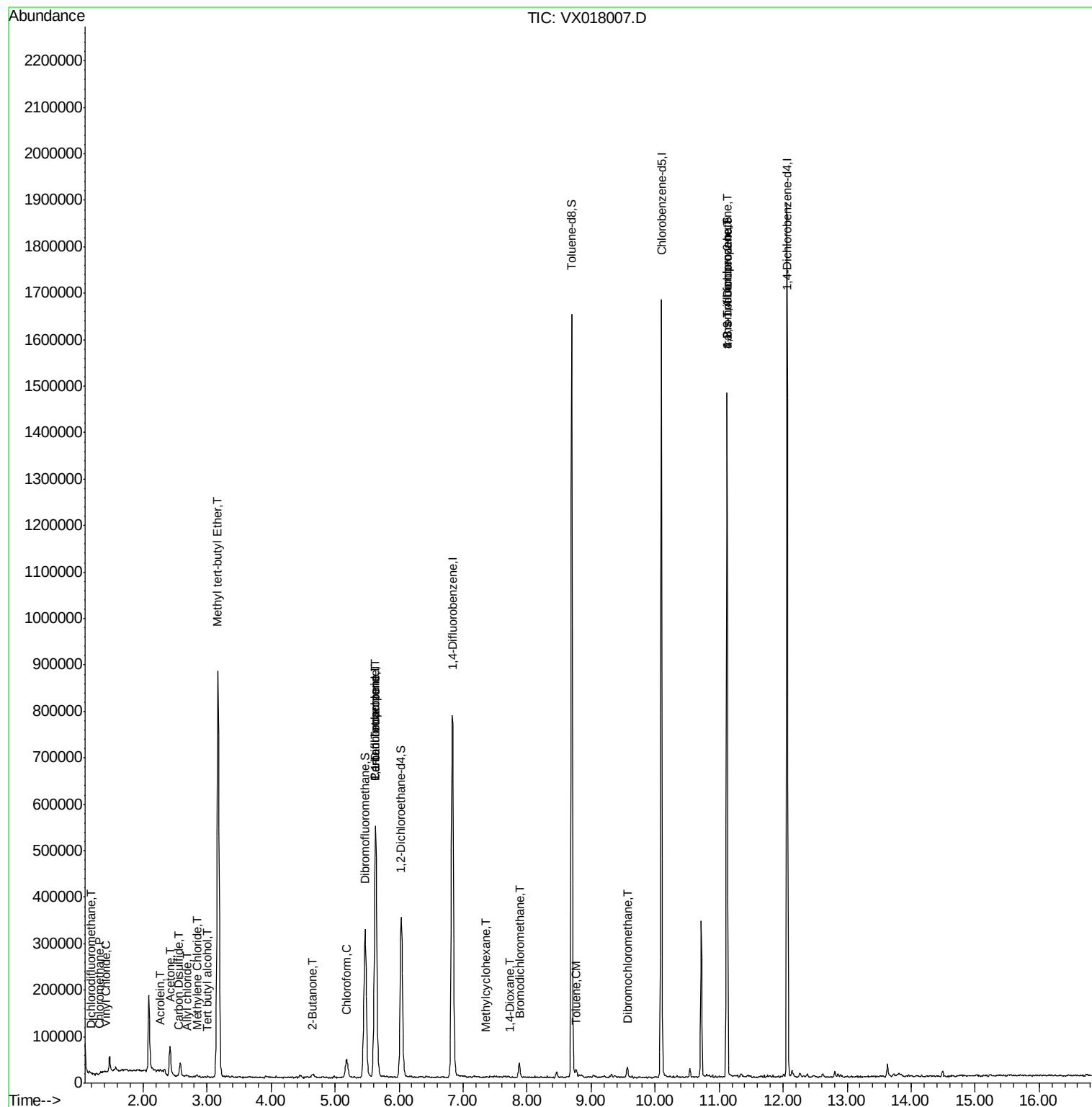
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	499987	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	783050	50.00	ug/l	-0.01
63) Chlorobenzene-d5	10.10	117	745937	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	359010	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.03	65	341708	46.62	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.24%	
35) Dibromofluoromethane	5.46	113	274586	47.09	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.18%	
50) Toluene-d8	8.70	98	962061	46.67	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.34%	
62) 4-Bromofluorobenzene	11.12	95	363565	47.76	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.52%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.19	85	526	1.057	ug/l #	64
3) Chloromethane	1.31	50	1533	0.224	ug/l #	51
4) Vinyl Chloride	1.41	62	845	2.373	ug/l #	44
11) Tert butyl alcohol	3.01	59	2805	1.982	ug/l #	71
13) Acrolein	2.28	56	836	1.118	ug/l	93
14) Allyl chloride	2.68	41	4650	0.579	ug/l #	47
16) Acetone	2.42	43	66666	23.120	ug/l	97
17) Carbon Disulfide	2.55	76	4609	0.422	ug/l #	69
19) Methyl tert-butyl Ether	3.17	73	967118	56.130	ug/l	99
20) Methylene Chloride	2.84	84	2446	0.460	ug/l	86
25) 2-Butanone	4.65	43	7717	1.768	ug/l	91
30) Chloroform	5.18	83	47364	4.639	ug/l	96
36) 1,1-Dichloropropene	5.63	75	39042	5.957	ug/l #	51
38) Carbon Tetrachloride	5.63	117	52377	6.175	ug/l #	16
39) Methylcyclohexane	7.35	83	247	0.842	ug/l	87
47) Bromodichloromethane	7.88	83	21785	2.542	ug/l	89
49) 1,4-Dioxane	7.72	88	414	3.222	ug/l #	10
52) Toluene	8.76	92	4613	0.357	ug/l	98
60) Dibromochloromethane	9.56	129	7962	1.074	ug/l	95
76) 1,2,3-Trichloropropane	11.12	75	184629	24.182	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	184629	63.530	ug/l #	12

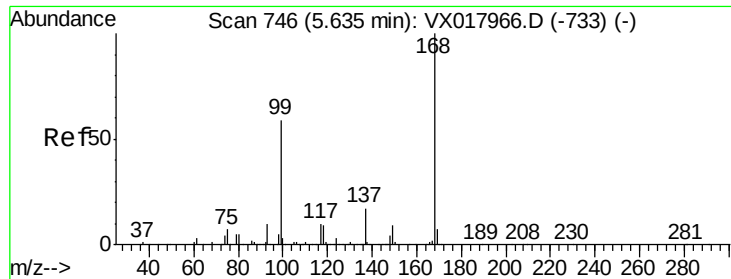
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX018007.D

Acq: 20 Aug 2020 01:12

Instrument :

MSVOA_X

ClientSampleId :

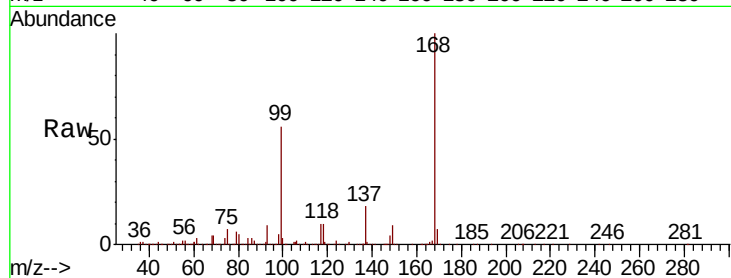
SLUICEWAY-081320

Tot Ion:168 Resp: 499987

Ion Ratio Lower Upper

168 100

99 56.4 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

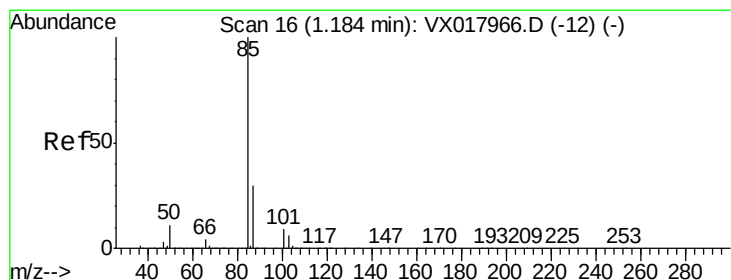
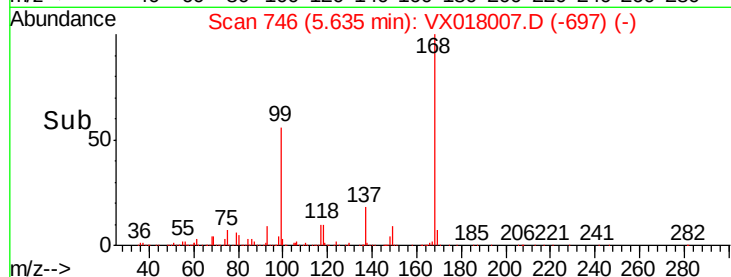
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 1.057 ug/l

RT: 1.19 min Scan# 17

Delta R.T. 0.01 min

Lab File: VX018007.D

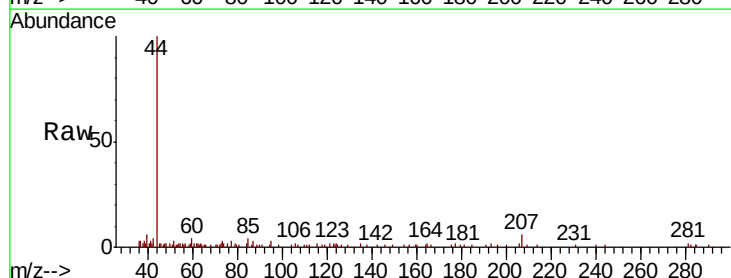
Acq: 20 Aug 2020 01:12

Tgt Ion: 85 Resp: 526

Ion Ratio Lower Upper

85 100

87 50.3 15.3 45.8#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

400

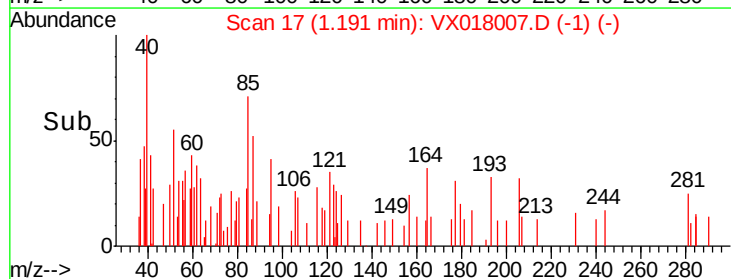
300

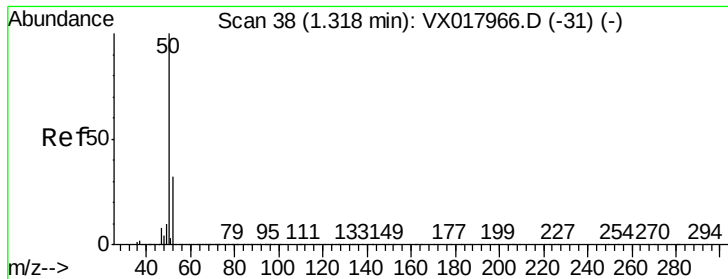
200

100

0

Time-->





#3

Chloromethane

Concen: 0.224 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.01 min

Lab File: VX018007.D

Acq: 20 Aug 2020 01:12

Instrument :

MSVOA_X

ClientSampleId :

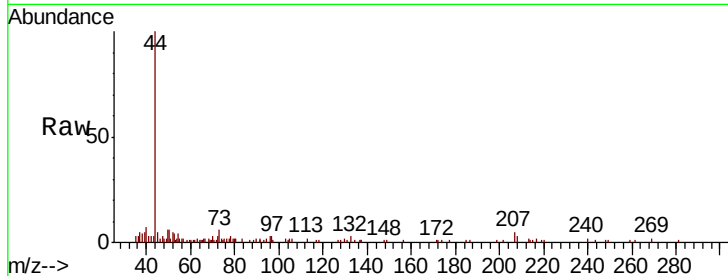
SLUICEWAY-081320

Tot Ion: 50 Resp: 1533

Ion Ratio Lower Upper

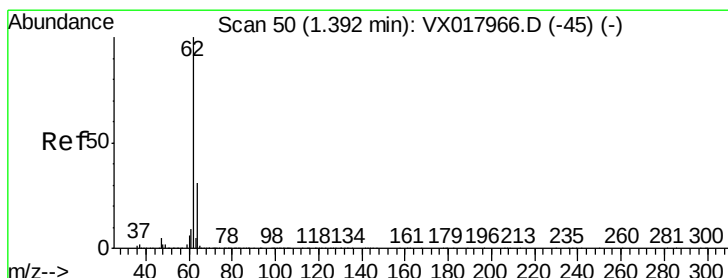
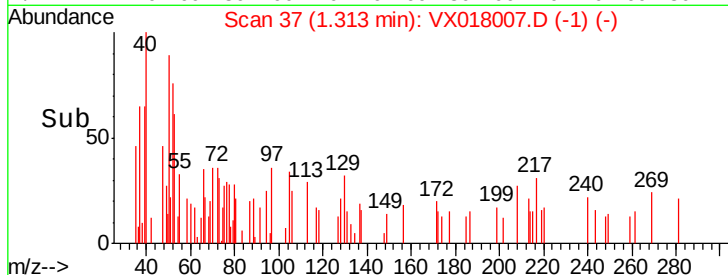
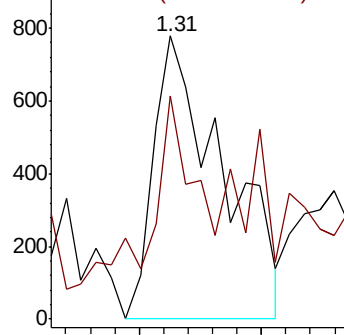
50 100

52 58.7 25.4 38.0#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 2.373 ug/l

RT: 1.41 min Scan# 53

Delta R.T. 0.02 min

Lab File: VX018007.D

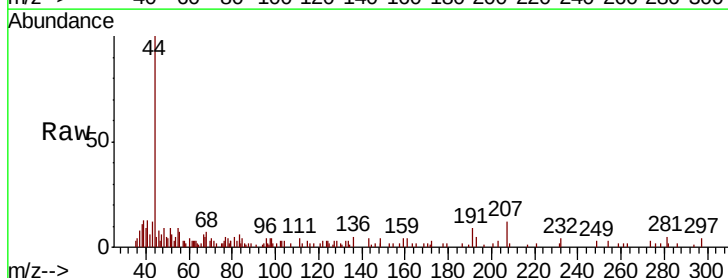
Acq: 20 Aug 2020 01:12

Tgt Ion: 62 Resp: 845

Ion Ratio Lower Upper

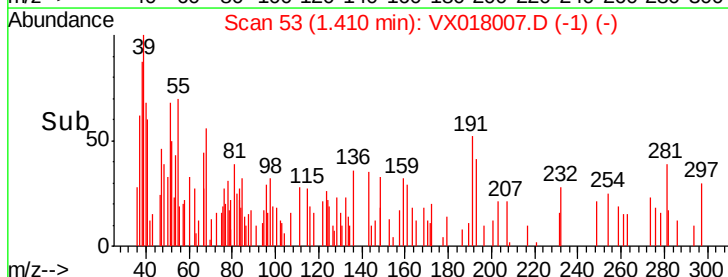
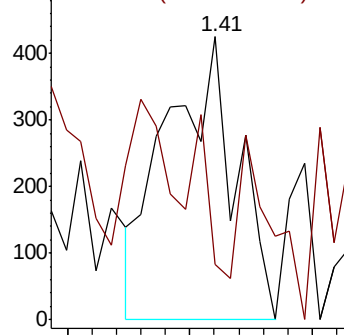
62 100

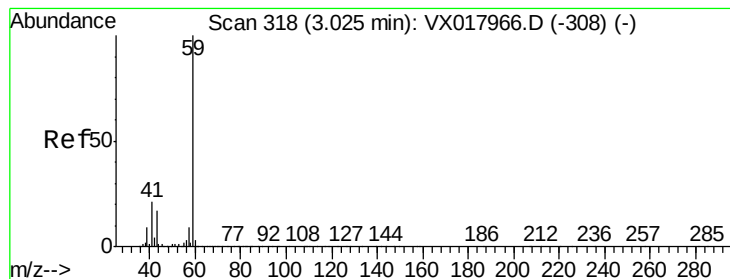
64 0.0 24.7 37.1#



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



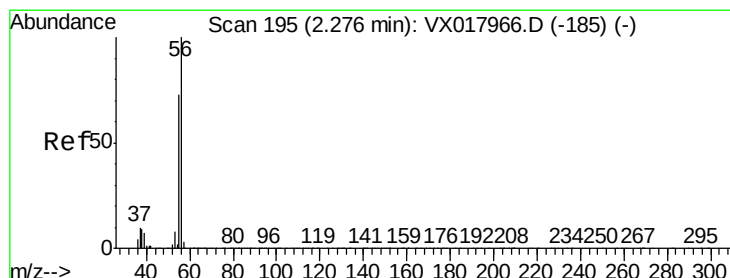
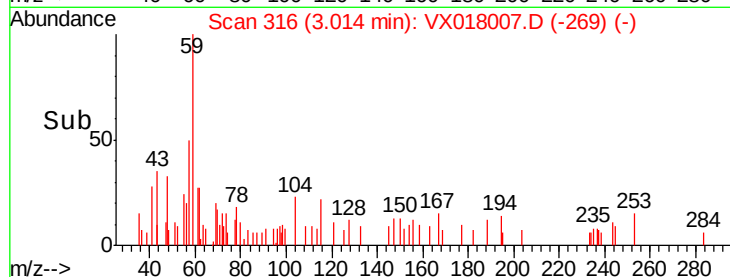
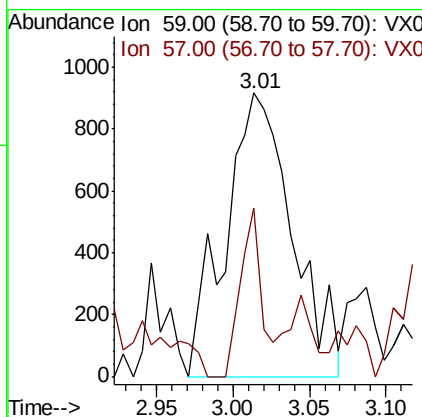
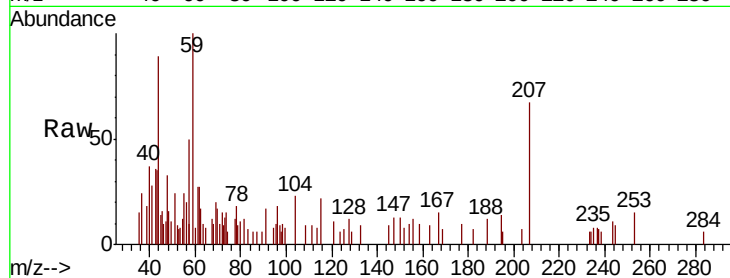


#11

Tert butyl alcohol
 Concen: 1.982 ug/l
 RT: 3.01 min Scan# 316
 Delta R.T. -0.01 min
 Lab File: VX018007.D
 Acq: 20 Aug 2020 01:12

Instrument :
 MSVOA_X
 ClientSampleId :
 SLUICEWAY-081320

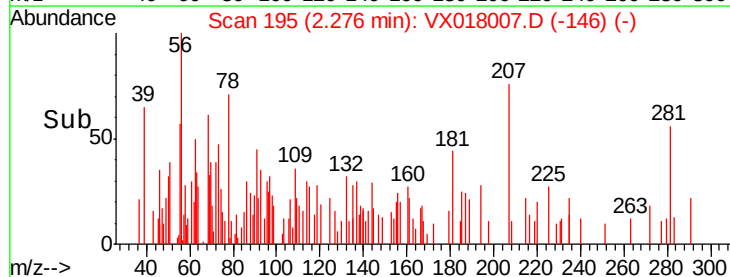
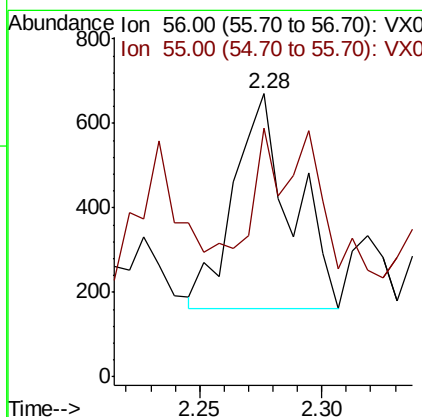
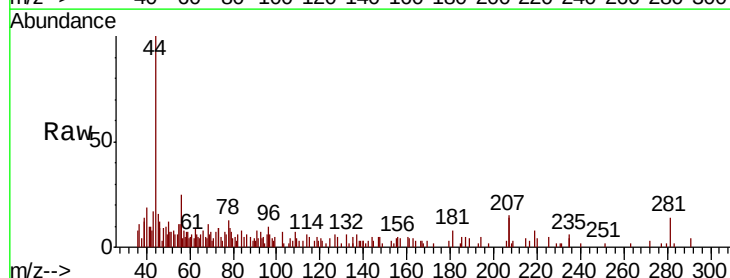
Tot Ion: 59 Resp: 2805
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.6 13.0#

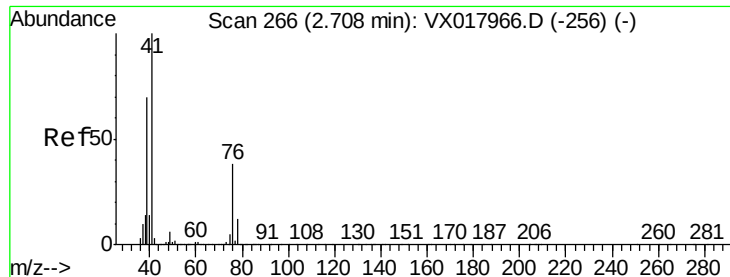


#13

Acrolein
 Concen: 1.118 ug/l
 RT: 2.28 min Scan# 195
 Delta R.T. 0.00 min
 Lab File: VX018007.D
 Acq: 20 Aug 2020 01:12

Tgt Ion: 56 Resp: 836
 Ion Ratio Lower Upper
 56 100
 55 67.2 58.2 87.4





#14

Allvl chloride

Concen: 0.579 ug/l

RT: 2.68 min Scan# 262

Delta R.T. -0.02 min

Lab File: VX018007.D

Acq: 20 Aug 2020 01:12

Instrument :

MSVOA_X

ClientSampleId :

SLUICEWAY-081320

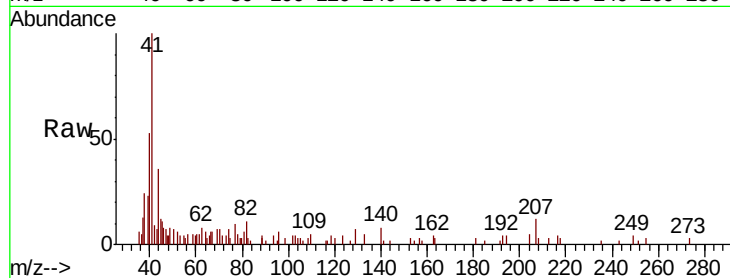
Tot Ion: 41 Resp: 4650

Ion Ratio Lower Upper

41 100

39 25.4 51.7 77.5#

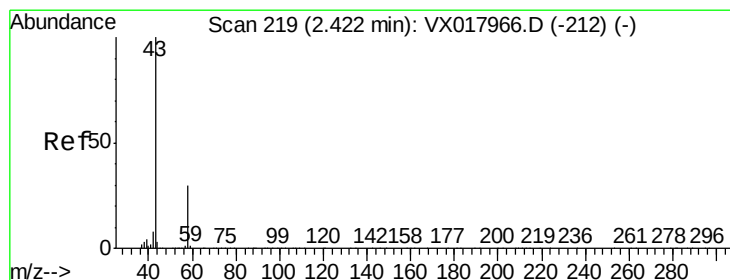
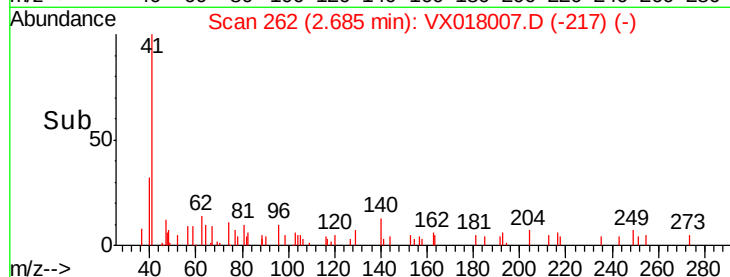
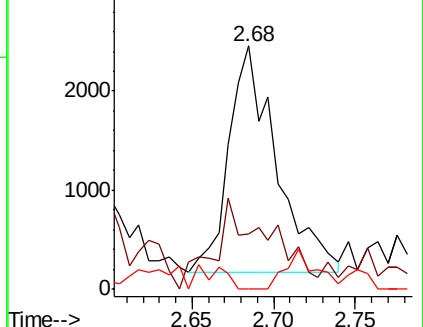
76 0.0 26.3 39.5#



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0



#16

Acetone

Concen: 23.120 ug/l

RT: 2.42 min Scan# 219

Delta R.T. 0.00 min

Lab File: VX018007.D

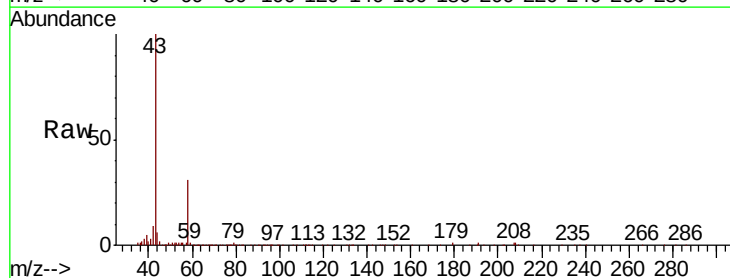
Acq: 20 Aug 2020 01:12

Tgt Ion: 43 Resp: 66666

Ion Ratio Lower Upper

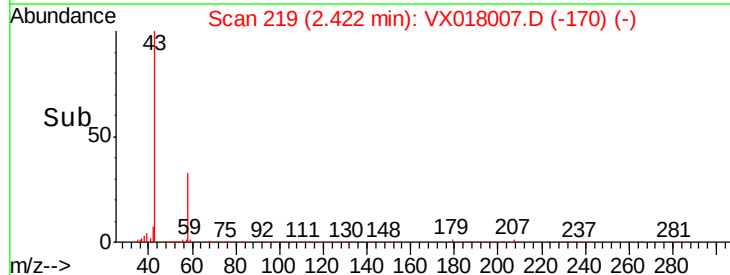
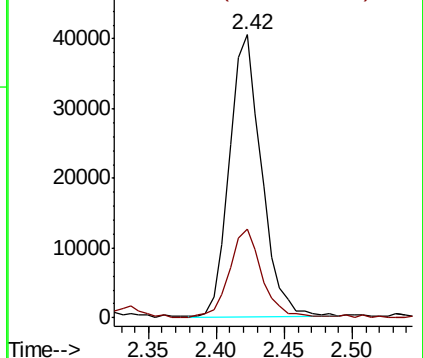
43 100

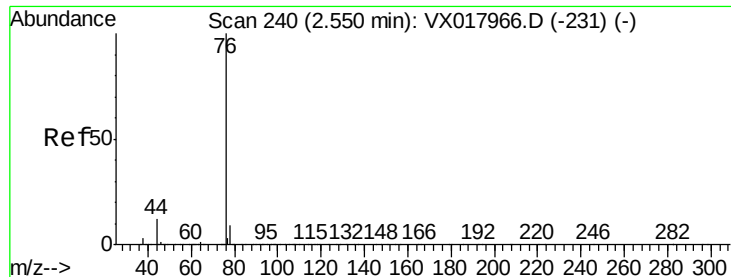
58 31.4 23.8 35.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 0.422 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX018007.D

Acq: 20 Aug 2020 01:12

Instrument :

MSVOA_X

ClientSampleId :

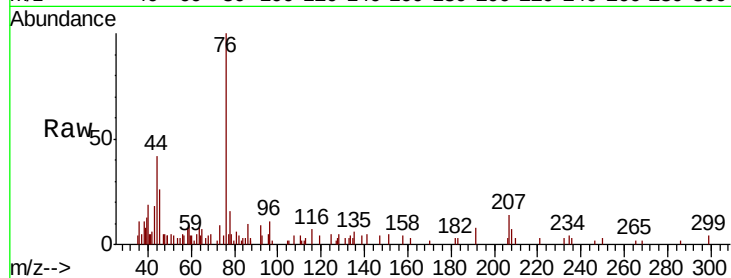
SLUICEWAY-081320

Tot Ion: 76 Resp: 4609

Ion Ratio Lower Upper

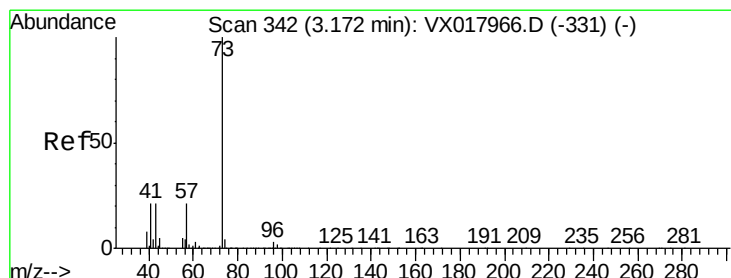
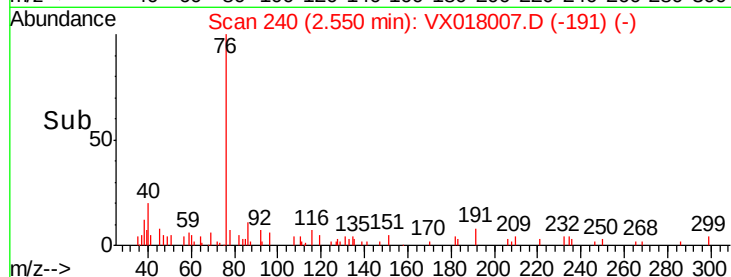
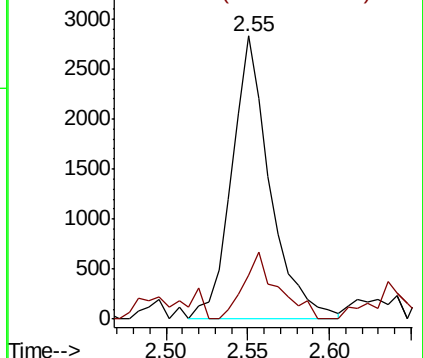
76 100

78 20.3 7.3 10.9#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#19

Methyl tert-butyl Ether

Concen: 56.130 ug/l

RT: 3.17 min Scan# 342

Delta R.T. 0.00 min

Lab File: VX018007.D

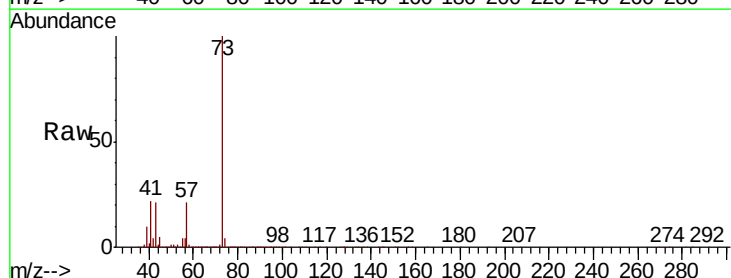
Acq: 20 Aug 2020 01:12

Tgt Ion: 73 Resp: 967118

Ion Ratio Lower Upper

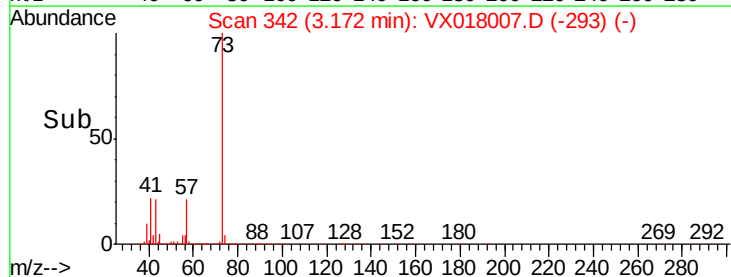
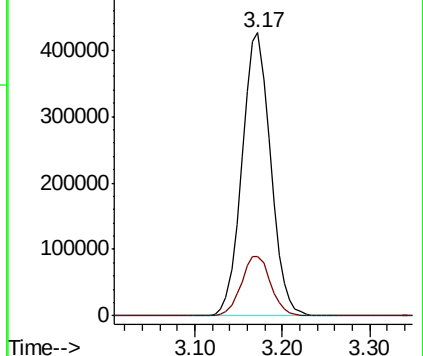
73 100

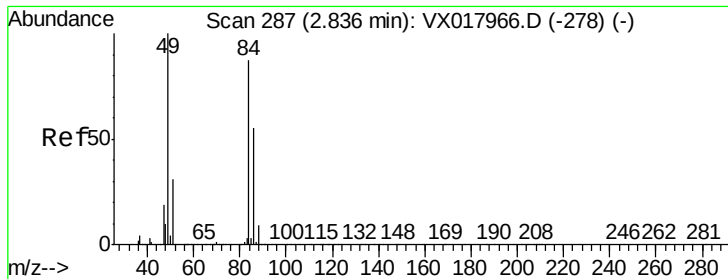
57 20.9 16.9 25.3



Abundance Ion 73.00 (72.70 to 73.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

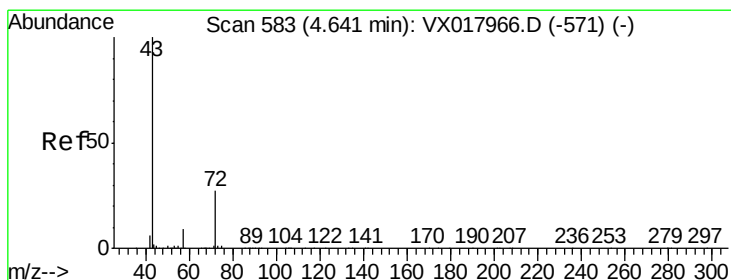
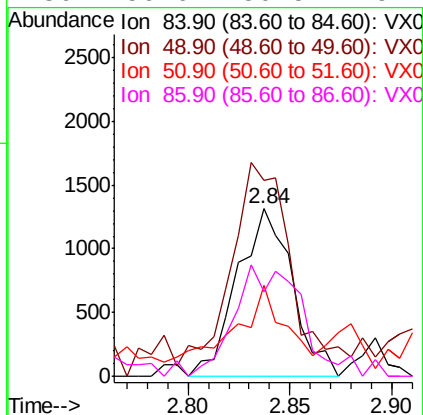
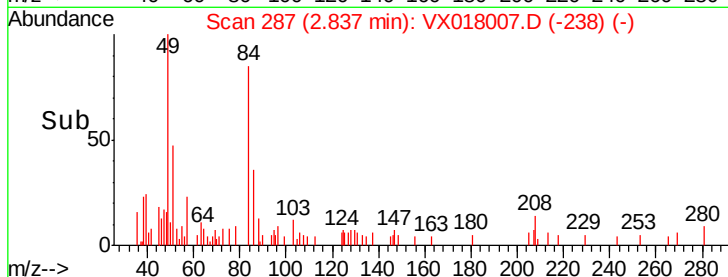
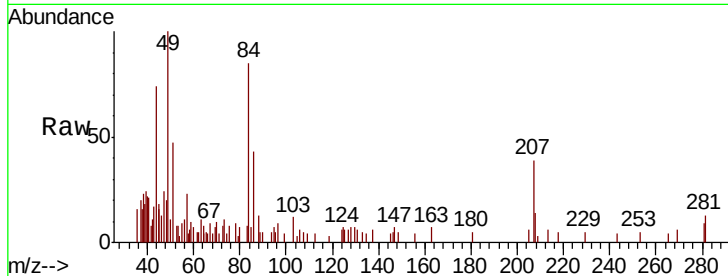




#20
Methylene Chloride
Concen: 0.460 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX018007.D
Acq: 20 Aug 2020 01:12

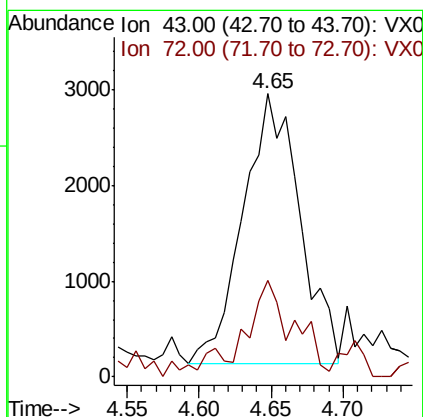
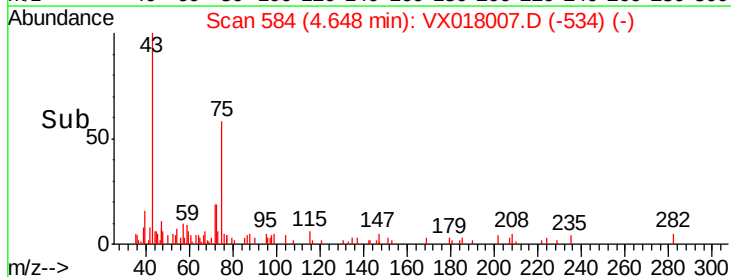
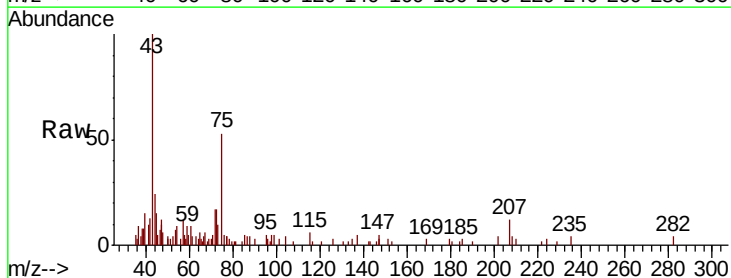
Instrument :
MSVOA_X
ClientSampleId :
SLUICEWAY-081320

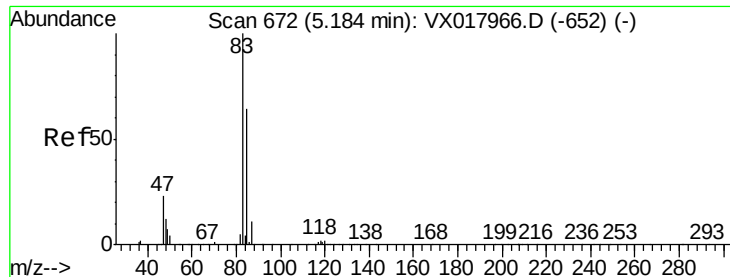
Tot Ion:	84	Resp:	2446
Ion	Ratio	Lower	Upper
84	100		
49	99.2	91.8	137.6
51	38.9	27.8	41.8
86	50.6	50.5	75.7



#25
2-Butanone
Concen: 1.768 ug/l
RT: 4.65 min Scan# 584
Delta R.T. 0.01 min
Lab File: VX018007.D
Acq: 20 Aug 2020 01:12

Tgt Ion:	43	Resp:	7717
Ion	Ratio	Lower	Upper
43	100		
72	31.5	21.4	32.2

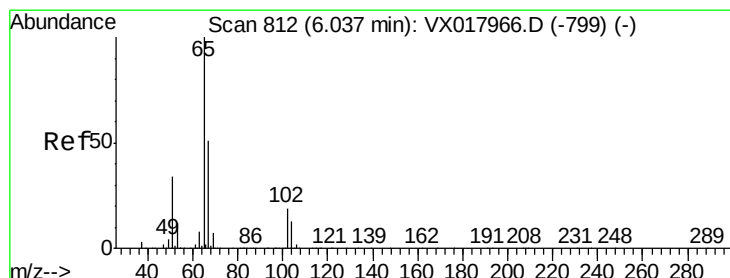
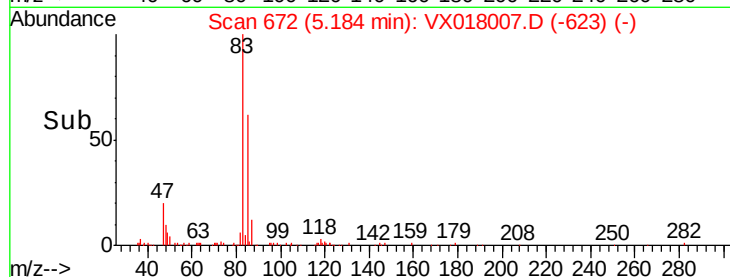
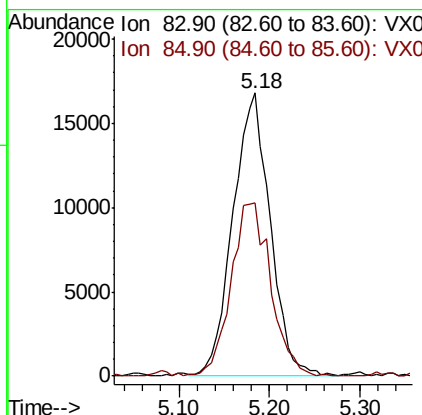
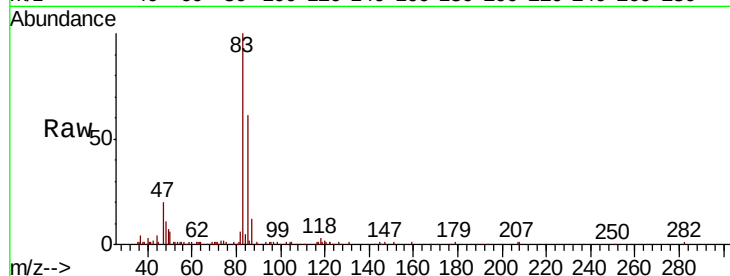




#30
Chloroform
Concen: 4.639 ug/l
RT: 5.18 min Scan# 672
Delta R.T. 0.00 min
Lab File: VX018007.D
Acq: 20 Aug 2020 01:12

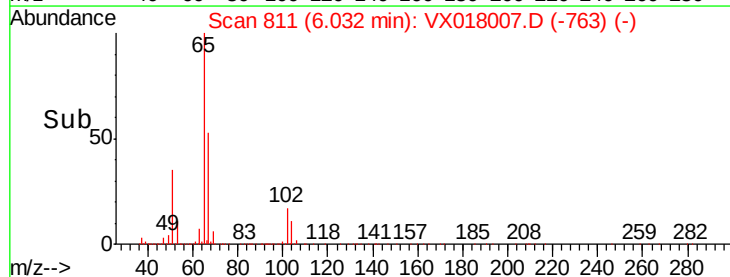
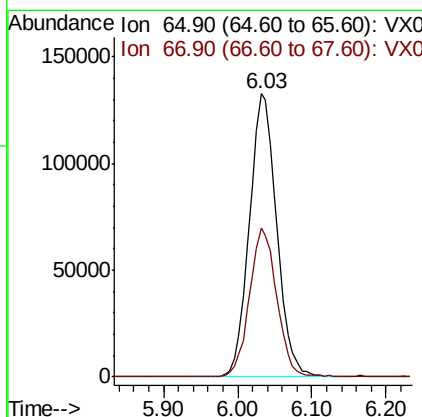
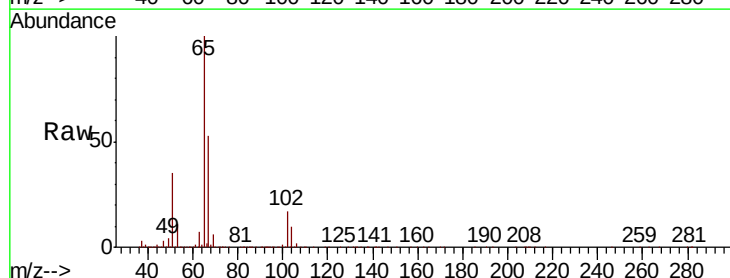
Instrument :
MSVOA_X
ClientSampleId :
SLUICEWAY-081320

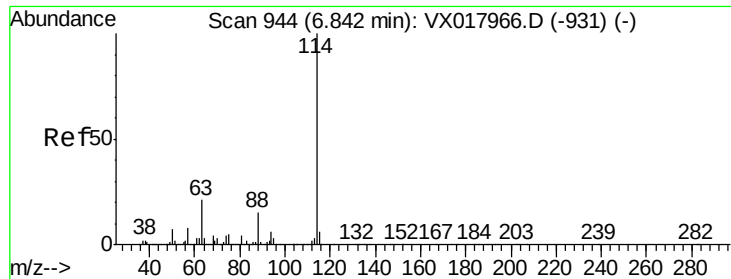
Tot Ion: 83 Resp: 47364
Ion Ratio Lower Upper
83 100
85 61.3 51.3 76.9



#33
1,2-Dichloroethane-d4
Concen: 46.621 ug/l
RT: 6.03 min Scan# 811
Delta R.T. -0.01 min
Lab File: VX018007.D
Acq: 20 Aug 2020 01:12

Tgt Ion: 65 Resp: 341708
Ion Ratio Lower Upper
65 100
67 52.6 0.0 103.0

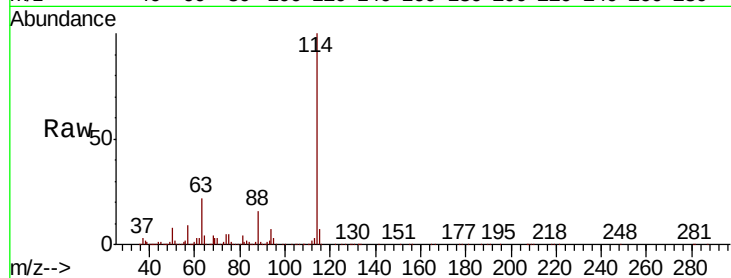




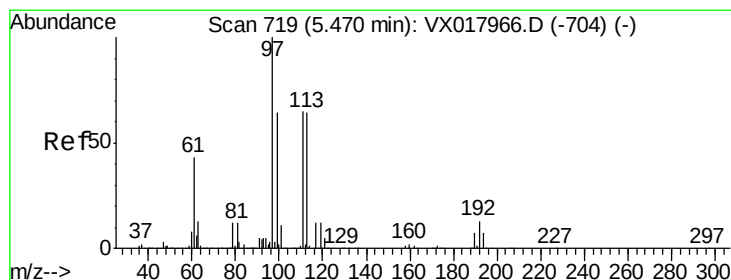
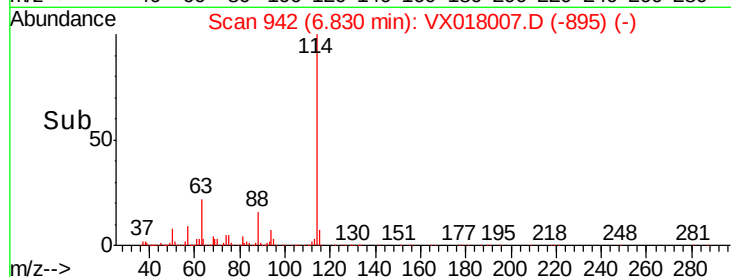
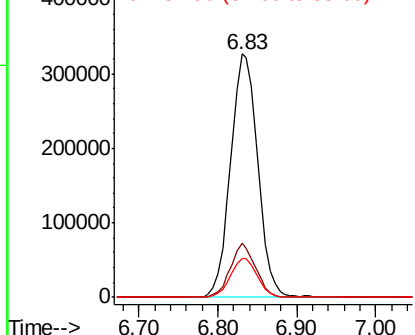
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.83 min Scan# 942
Delta R.T. -0.01 min
Lab File: VX018007.D
Acq: 20 Aug 2020 01:12

Instrument :
MSVOA_X
ClientSampleId :
SLUICEWAY-081320

Tot Ion	Ratio	Lower	Upper
114	100		
63	22.1	0.0	42.6
88	15.8	0.0	30.2

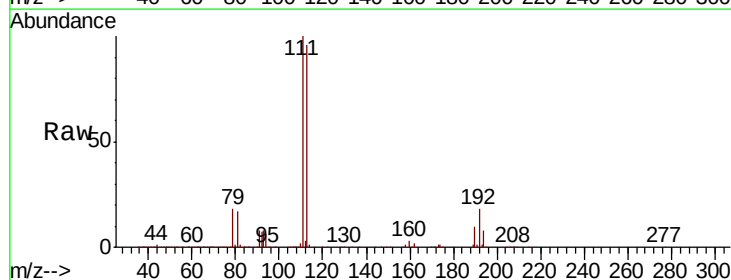


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

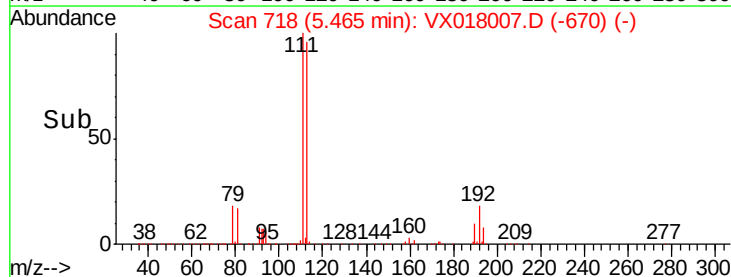
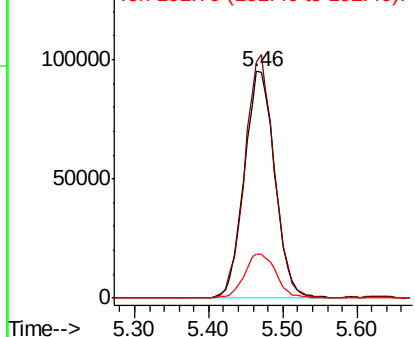


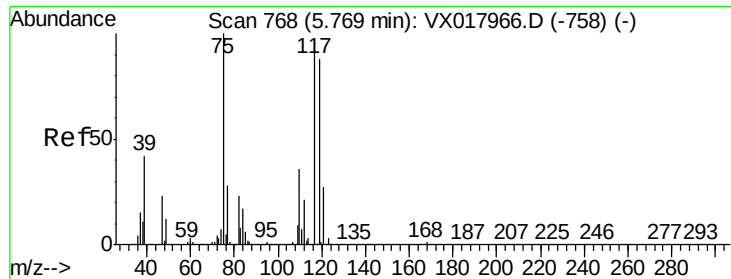
#35
Dibromofluoromethane
Concen: 47.089 ug/l
RT: 5.46 min Scan# 718
Delta R.T. -0.01 min
Lab File: VX018007.D
Acq: 20 Aug 2020 01:12

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.6	83.5	125.3
192	19.9	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

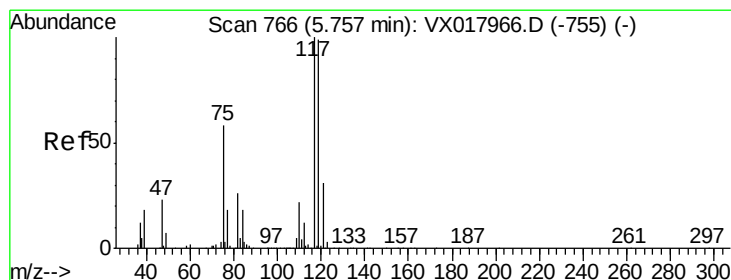
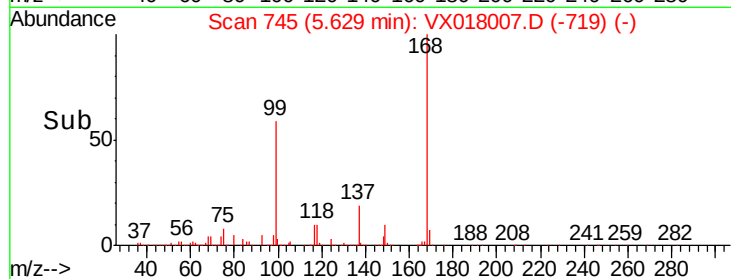
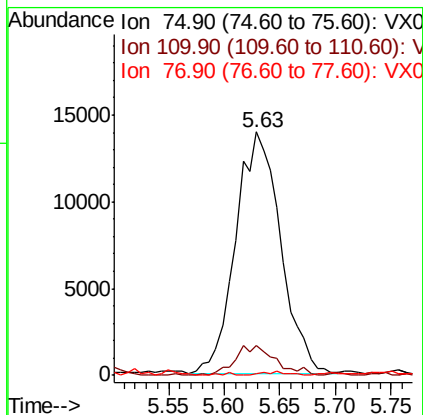
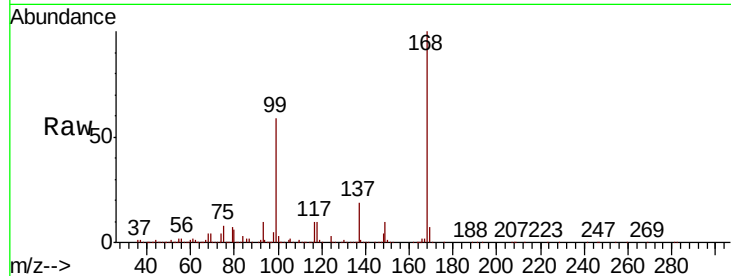




#36
 1,1-Dichloropropene
 Concen: 5.957 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX018007.D
 Acq: 20 Aug 2020 01:12

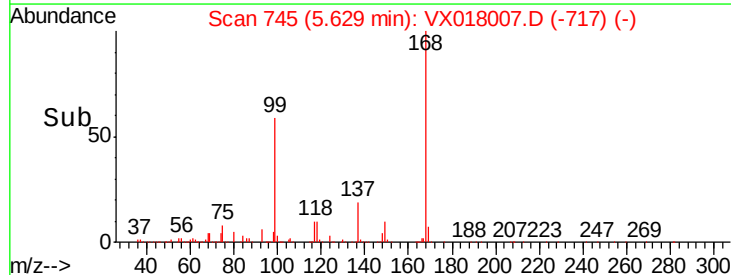
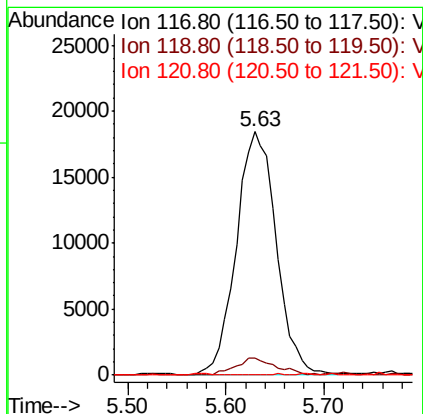
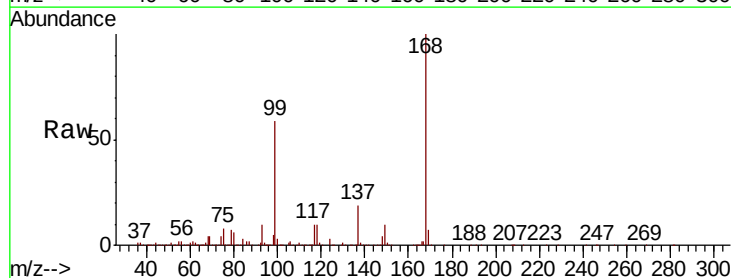
Instrument :
 MSVOA_X
 ClientSampleId :
 SLUICEWAY-081320

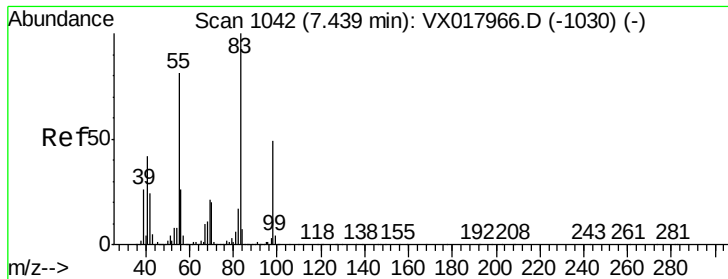
Tot Ion	Ratio	Lower	Upper
75	100		
110	11.2	18.7	56.1#
77	0.8	24.4	36.6#



#38
 Carbon Tetrachloride
 Concen: 6.175 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.13 min
 Lab File: VX018007.D
 Acq: 20 Aug 2020 01:12

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.8	79.0	118.6#
121	0.0	24.7	37.1#





#39

Methylcyclohexane

Concen: 0.842 ug/l

RT: 7.35 min Scan# 1027

Delta R.T. -0.09 min

Lab File: VX018007.D

Acq: 20 Aug 2020 01:12

Instrument :

MSVOA_X

ClientSampleId :

SLUICEWAY-081320

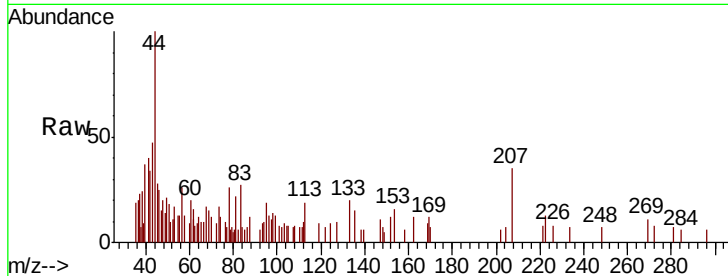
Tot Ion: 83 Resp: 247

Ion Ratio Lower Upper

83 100

55 65.3 64.5 96.7

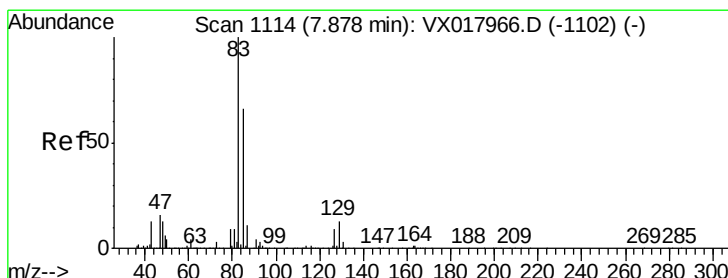
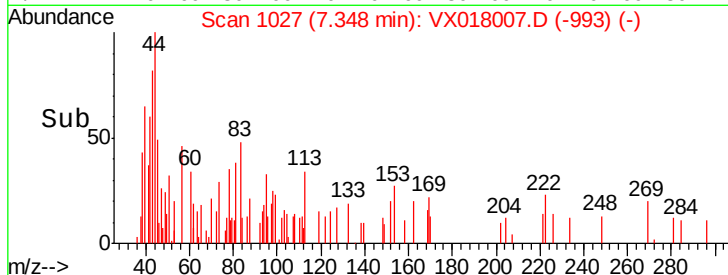
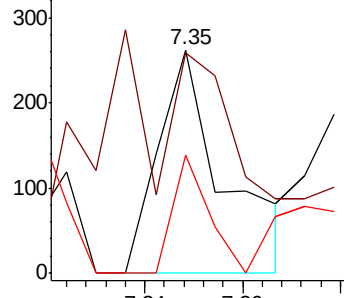
98 53.1 39.0 58.6



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



#47

Bromodichloromethane

Concen: 2.542 ug/l

RT: 7.88 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VX018007.D

Acq: 20 Aug 2020 01:12

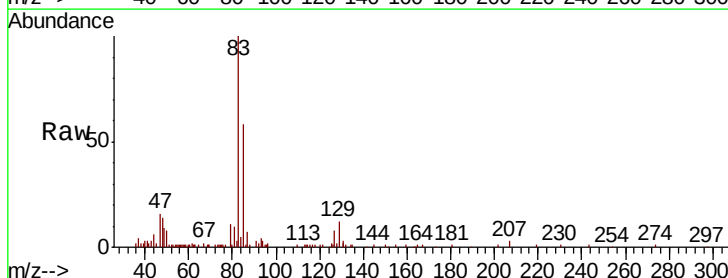
Tgt Ion: 83 Resp: 21785

Ion Ratio Lower Upper

83 100

85 56.2 52.4 78.6

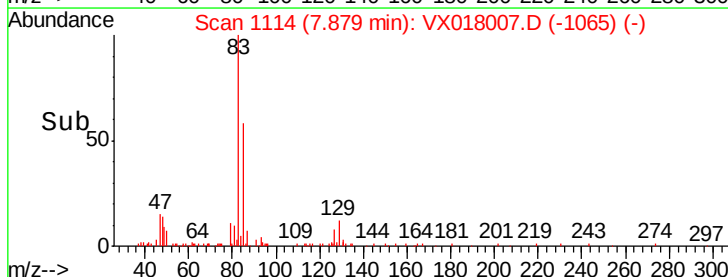
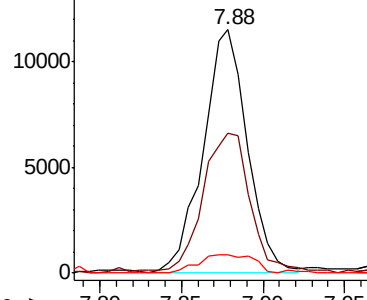
127 7.6 7.0 10.6

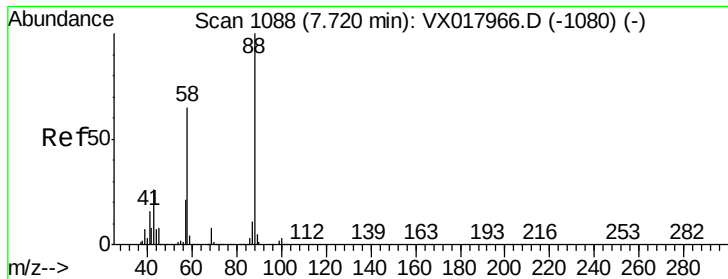


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V





#49

1,4-Dioxane

Concen: 3.222 ug/l

RT: 7.72 min Scan# 1088

Delta R.T. 0.00 min

Lab File: VX018007.D

Acq: 20 Aug 2020 01:12

Instrument :

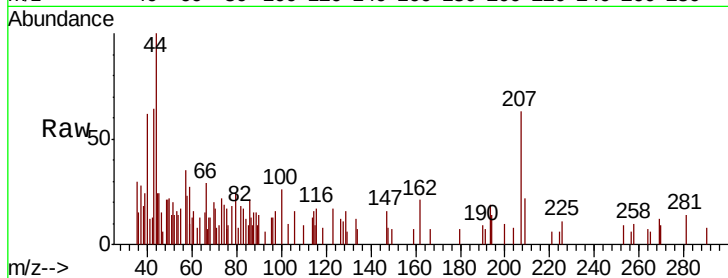
MSVOA_X

ClientSampleId :

SLUICEWAY-081320

Tot Ion: 88 Resp: 414

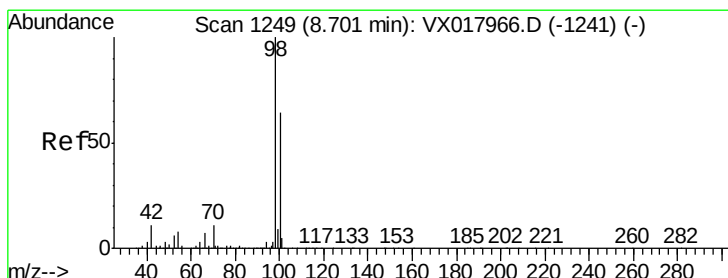
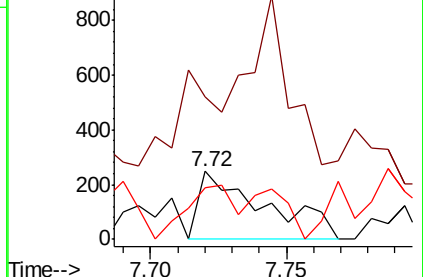
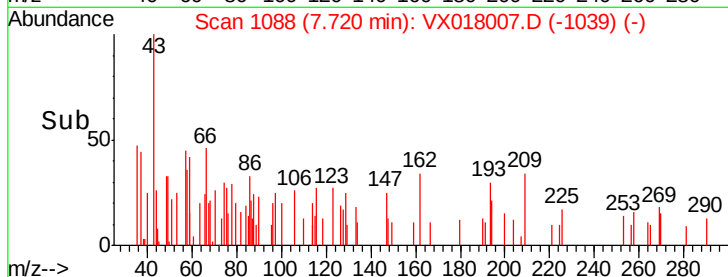
Ion	Ratio	Lower	Upper
88	100		
43	175.4	27.3	40.9#
58	58.5	57.7	86.5



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: 46.675 ug/l

RT: 8.70 min Scan# 1248

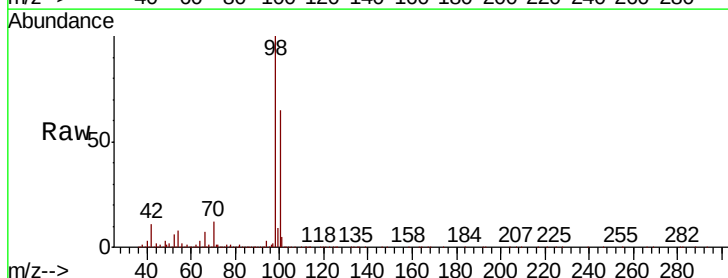
Delta R.T. -0.01 min

Lab File: VX018007.D

Acq: 20 Aug 2020 01:12

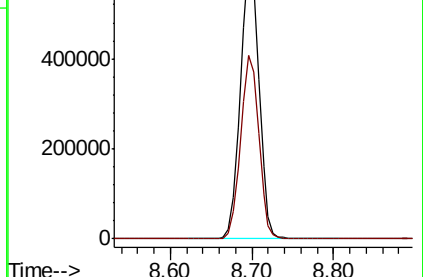
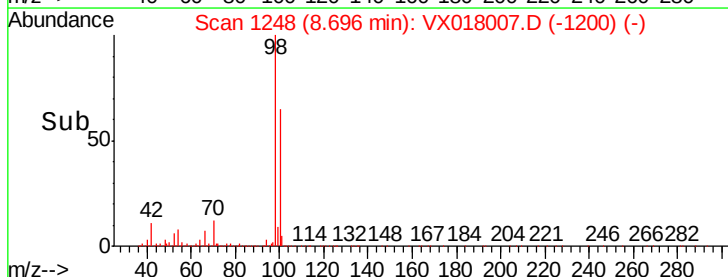
Tgt Ion: 98 Resp: 962061

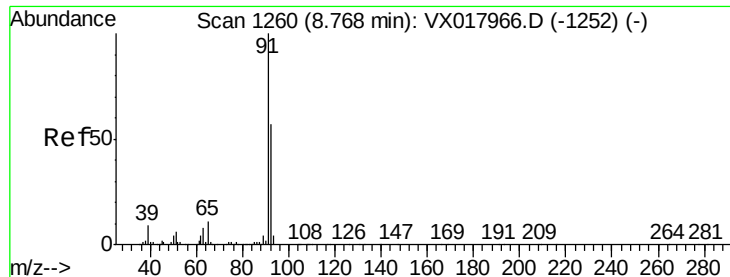
Ion	Ratio	Lower	Upper
98	100		
100	64.6	51.4	77.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#52

Toluene

Concen: 0.357 ug/l

RT: 8.76 min Scan# 1259

Delta R.T. -0.01 min

Lab File: VX018007.D

Acq: 20 Aug 2020 01:12

Instrument :

MSVOA_X

ClientSampleId :

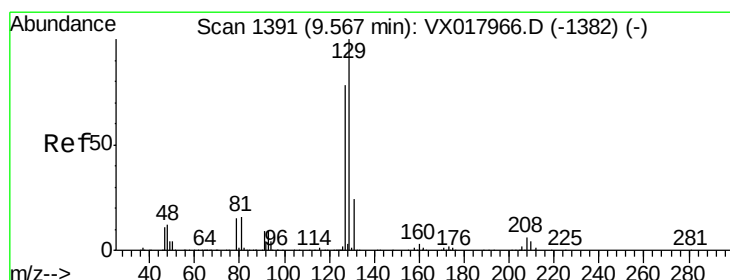
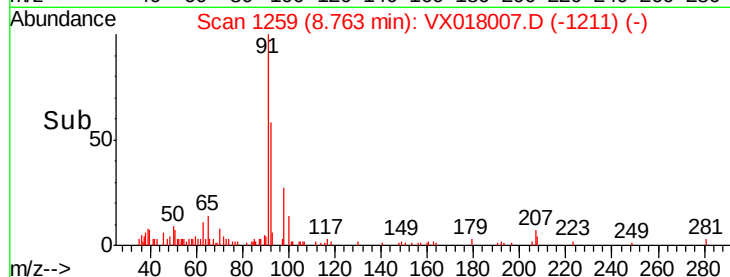
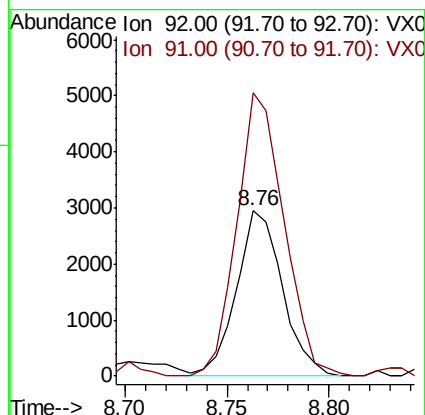
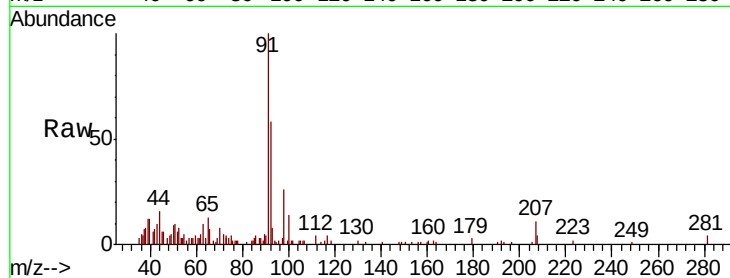
SLUICEWAY-081320

Tot Ion: 92 Resp: 4613

Ion Ratio Lower Upper

92 100

91 175.2 138.4 207.6



#60

Dibromochloromethane

Concen: 1.074 ug/l

RT: 9.56 min Scan# 1390

Delta R.T. -0.01 min

Lab File: VX018007.D

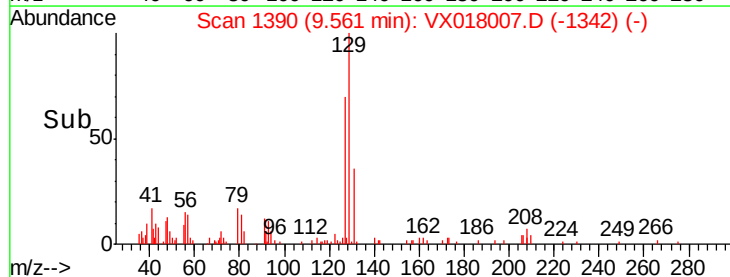
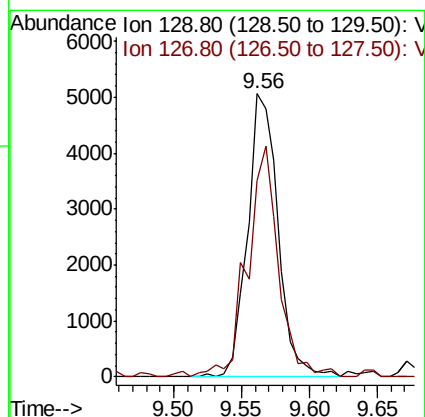
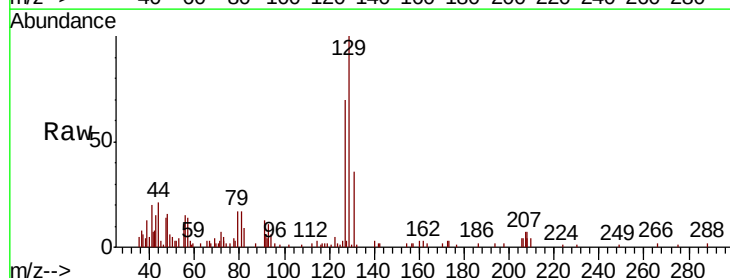
Acq: 20 Aug 2020 01:12

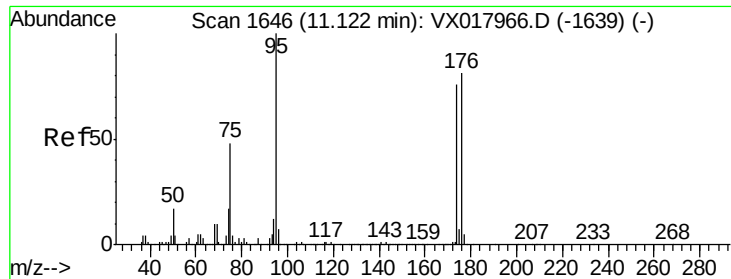
Tgt Ion: 129 Resp: 7962

Ion Ratio Lower Upper

129 100

127 83.3 39.5 118.3





#62

4-Bromofluorobenzene

Concen: 47.756 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX018007.D

Acq: 20 Aug 2020 01:12

Instrument :

MSVOA_X

ClientSampleId :

SLUICEWAY-081320

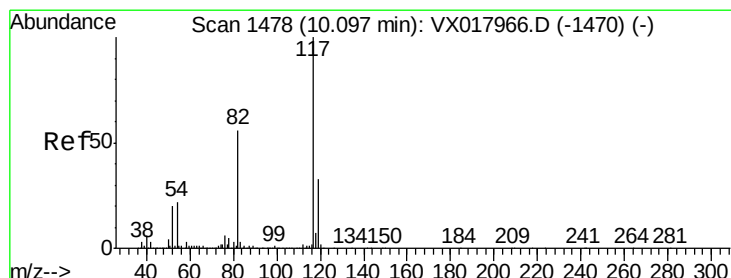
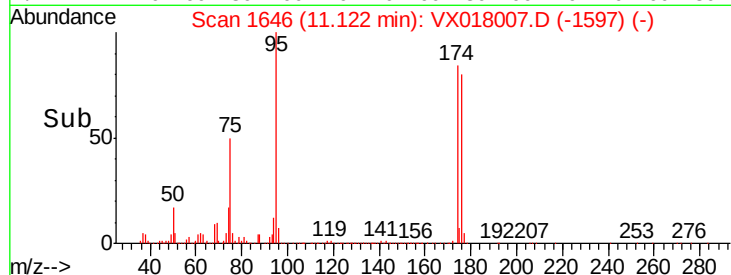
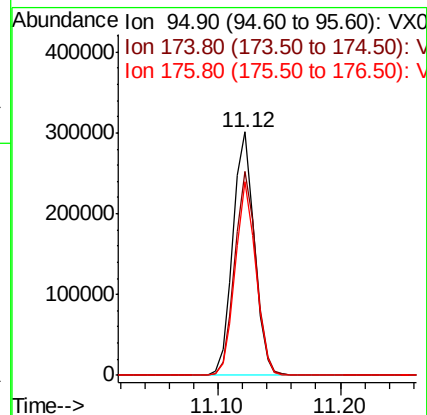
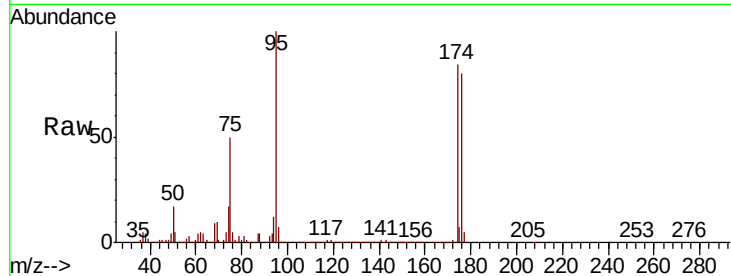
Tot Ion: 95 Resp: 363565

Ion Ratio Lower Upper

95 100

174 83.5 0.0 166.0

176 76.7 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: VX018007.D

Acq: 20 Aug 2020 01:12

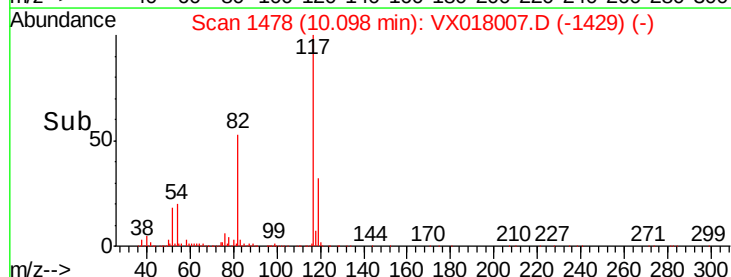
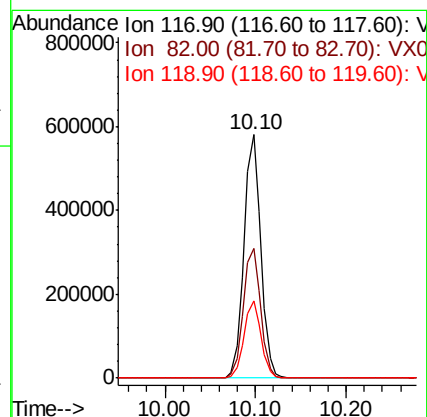
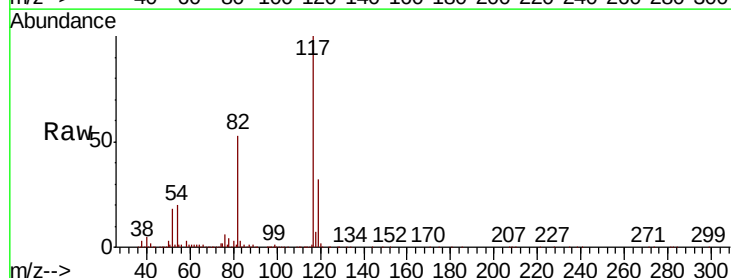
Tgt Ion: 117 Resp: 745937

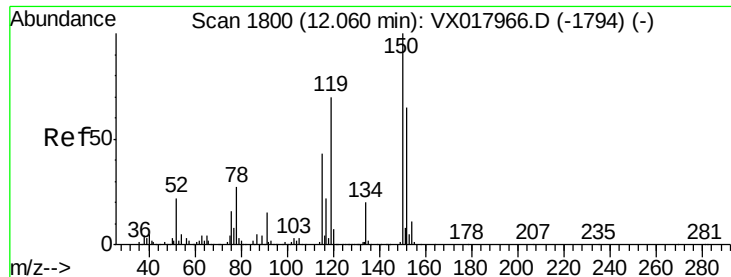
Ion Ratio Lower Upper

117 100

82 53.0 44.6 66.8

119 31.5 26.2 39.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VX018007.D

Acq: 20 Aug 2020 01:12

Instrument :

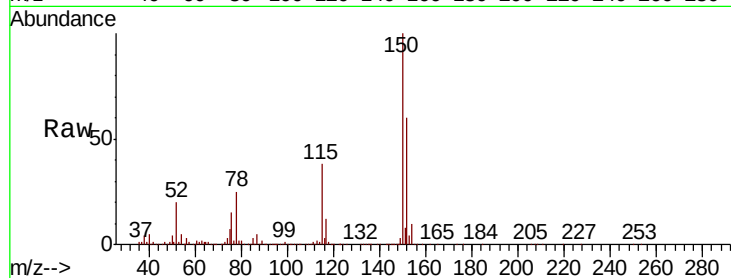
MSVOA_X

ClientSampleId :

SLUICEWAY-081320

Tot Ion:152 Resp: 359010

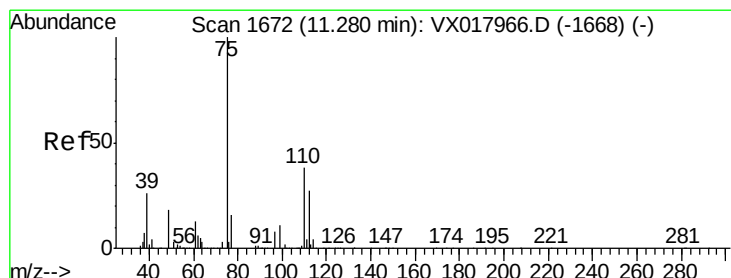
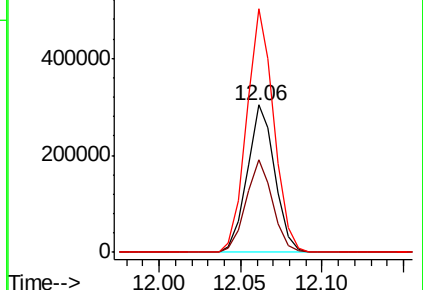
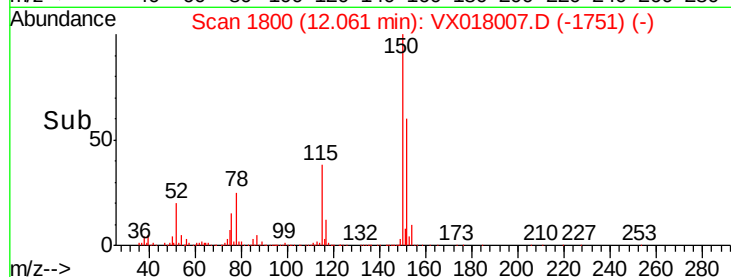
Ion	Ratio	Lower	Upper
152	100		
115	60.7	40.6	121.7
150	162.9	0.0	346.4



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



#76

1,2,3-Trichloropropane

Concen: 24.182 ug/l

RT: 11.12 min Scan# 1646

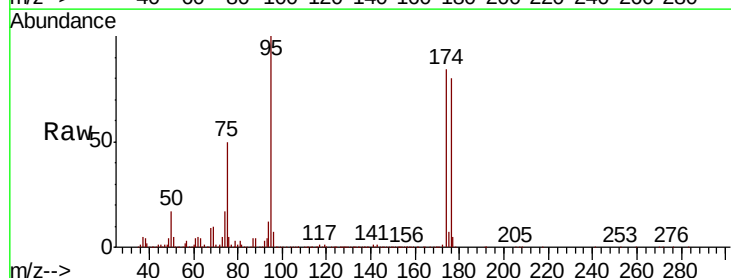
Delta R.T. -0.16 min

Lab File: VX018007.D

Acq: 20 Aug 2020 01:12

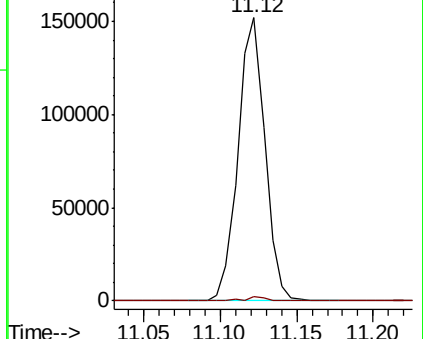
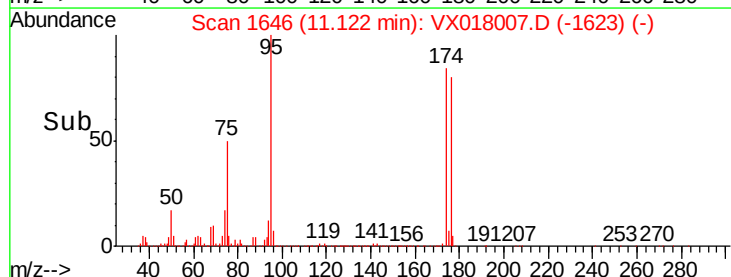
Tgt Ion: 75 Resp: 184629

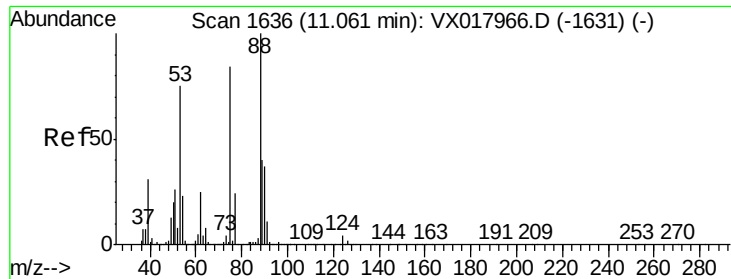
Ion	Ratio	Lower	Upper
75	100		
77	1.3	21.1	63.1



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: 63.530 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX018007.D

Acq: 20 Aug 2020 01:12

Instrument :

MSVOA_X

ClientSampleId :

SLUICEWAY-081320

Tot Ion: 75 Resp: 184629

Ion Ratio Lower Upper

75 100

53 0.4 75.2 112.8#

89 0.0 38.4 57.6#

