

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091120\
 Data File : VX018363.D
 Acq On : 11 Sep 2020 16:13
 Operator : JC/SP
 Sample : L3984-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 12 05:58:32 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	5.64	168	419382	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	675108	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	619736	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	290653	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	298205	51.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.44%	
35) Dibromofluoromethane	5.47	113	230565	50.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.30%	
50) Toluene-d8	8.70	98	817575	47.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.48%	
62) 4-Bromofluorobenzene	11.12	95	289364	42.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.90%	

Target Compounds

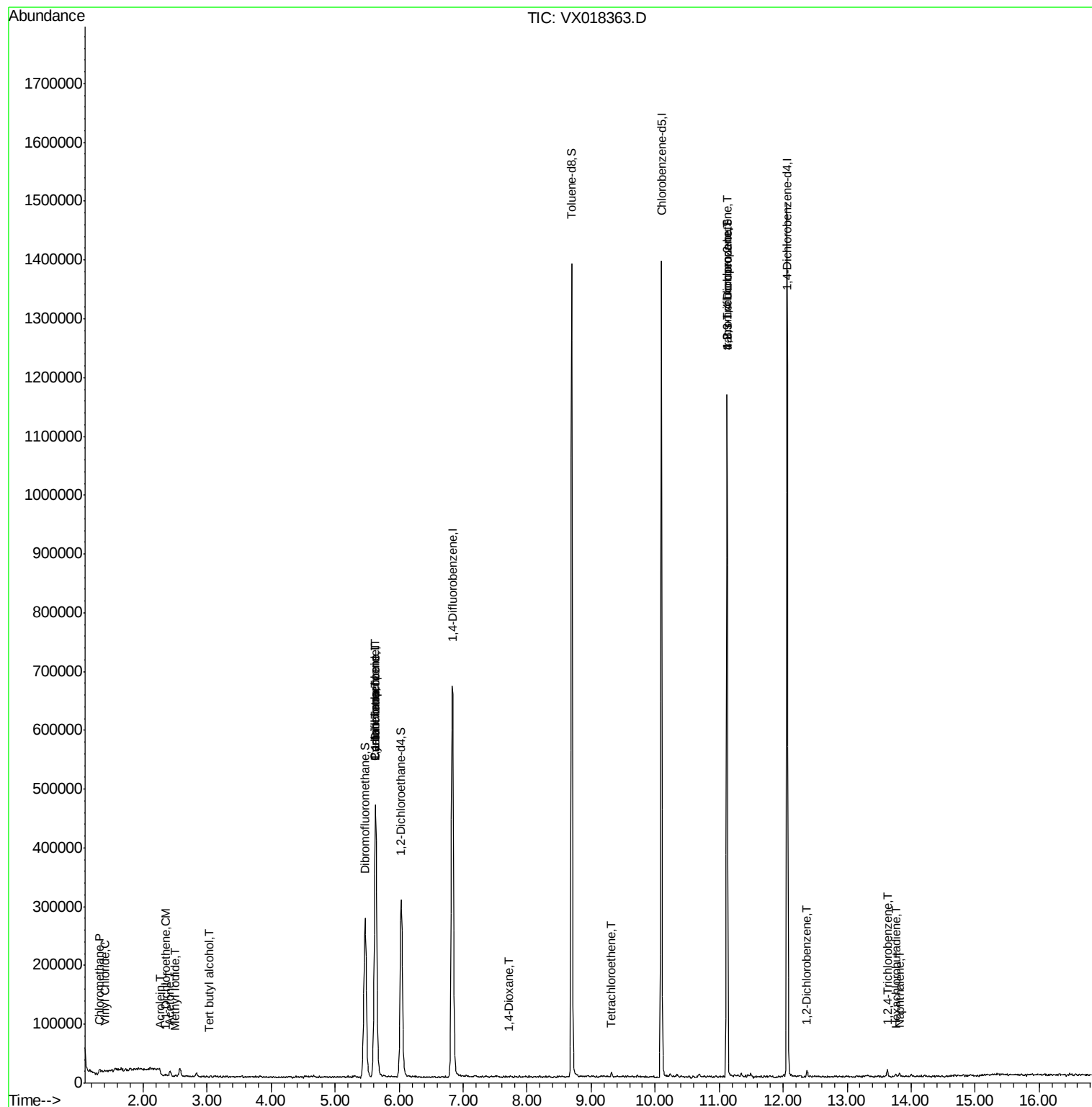
					Qvalue	
3) Chloromethane	1.31	50	3862	0.717	ug/l	94
4) Vinyl Chloride	1.39	62	1240	0.231	ug/l #	81
10) Methyl Iodide	2.50	142	931	5.484	ug/l	93
11) Tert butyl alcohol	3.04	59	393	0.347	ug/l #	71
12) 1,1-Dichloroethene	2.36	96	922	0.225	ug/l #	43
13) Acrolein	2.28	56	390	0.831	ug/l	93
16) Acetone	2.42	43	10492	4.625	ug/l #	85
20) Methylene Chloride	2.84	84	2507	Below Cal	#	86
31) Cyclohexane	5.63	56	9906	1.422	ug/l #	9
36) 1,1-Dichloropropene	5.63	75	32585	5.233	ug/l #	54
38) Carbon Tetrachloride	5.64	117	47502	6.769	ug/l #	18
49) 1,4-Dioxane	7.71	88	79	0.750	ug/l #	23
64) Tetrachloroethene	9.32	164	1266	0.278	ug/l #	60
76) 1,2,3-Trichloropropane	11.12	75	152847	23.640	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	152847	63.847	ug/l #	12
91) 1,2-Dichlorobenzene	12.38	146	2126	0.243	ug/l	88
93) 1,2,4-Trichlorobenzene	13.63	180	2996	0.513	ug/l	88
94) Hexachlorobutadiene	13.76	225	613	0.266	ug/l #	59
95) Naphthalene	13.82	128	4275	0.222	ug/l #	96

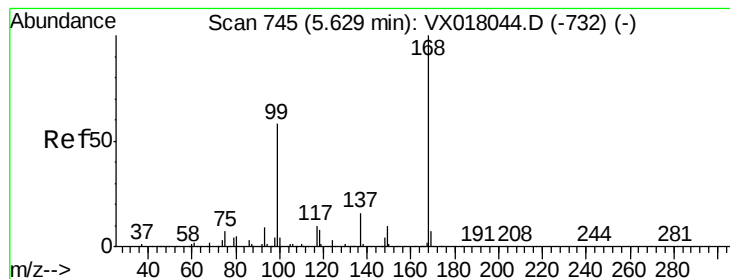
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Sep 12 05:58:32 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X082120W.M
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: 5.64 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX018363.D

Acq: 11 Sep 2020 16:13

Instrument :

MSVOA_X

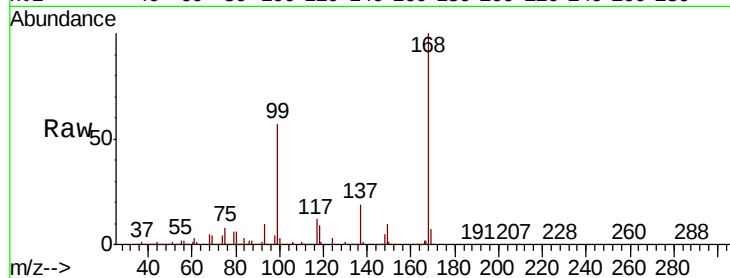
ClientSampleId :

Tot Ion:168 Resp: 419382

Ion Ratio Lower Upper

168 100

99 57.0 46.3 69.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

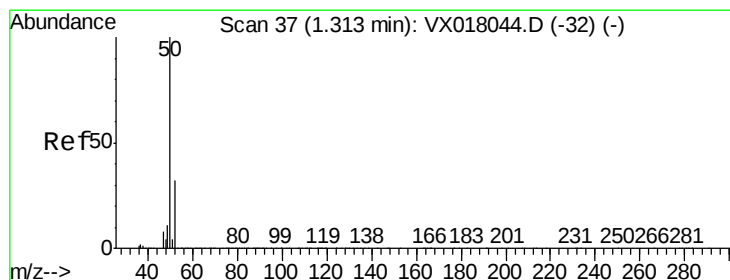
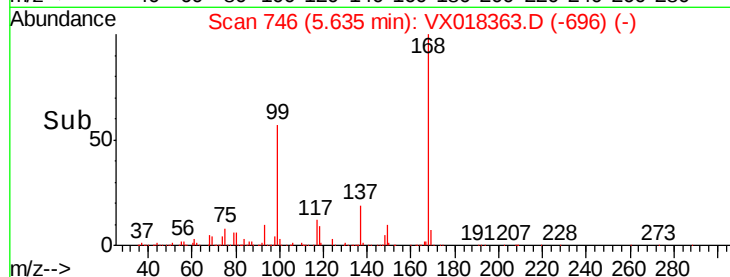
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.717 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX018363.D

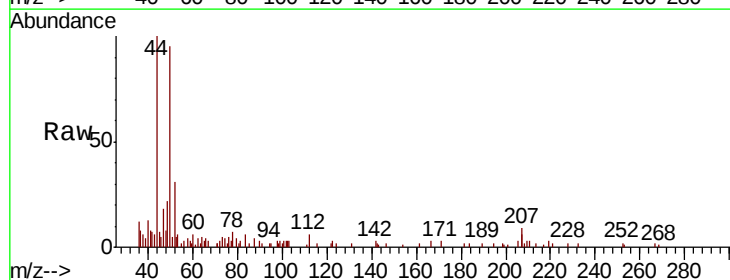
Acq: 11 Sep 2020 16:13

Tgt Ion: 50 Resp: 3862

Ion Ratio Lower Upper

50 100

52 28.6 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

4000

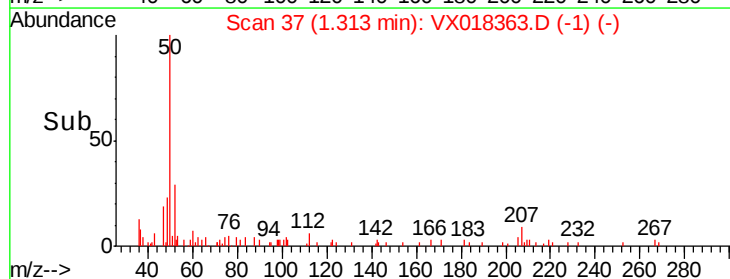
3000

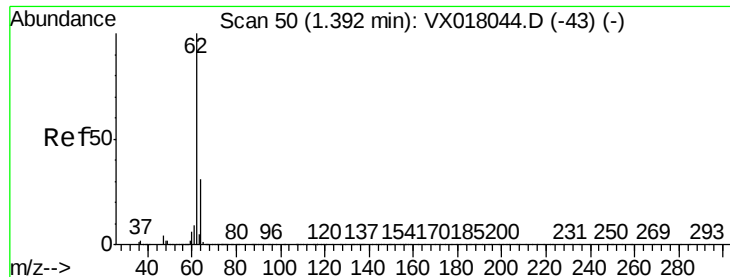
2000

1000

0

Time-->





#4

Vinyl Chloride

Concen: 0.231 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX018363.D

Acq: 11 Sep 2020 16:13

Instrument :

MSVOA_X

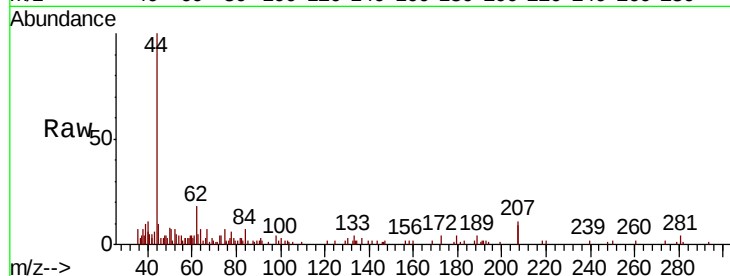
ClientSampleId :

Tot Ion: 62 Resp: 1240

Ion Ratio Lower Upper

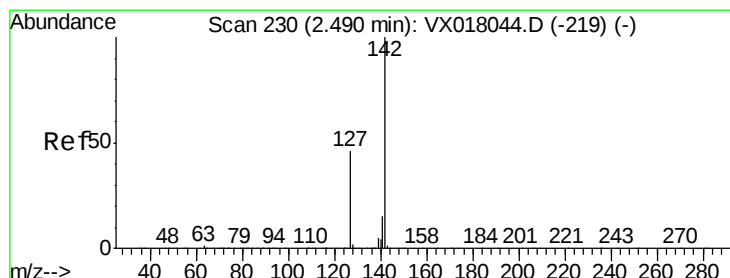
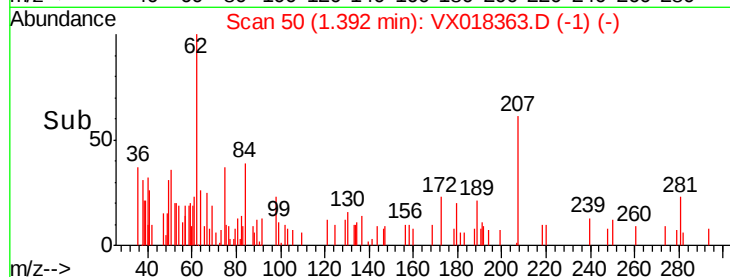
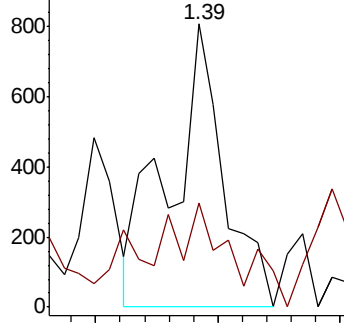
62 100

64 20.7 25.1 37.7#



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



#10

Methyl Iodide

Concen: 5.484 ug/l

RT: 2.50 min Scan# 232

Delta R.T. 0.01 min

Lab File: VX018363.D

Acq: 11 Sep 2020 16:13

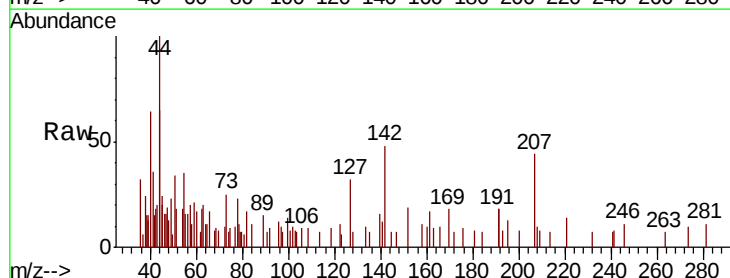
Tgt Ion: 142 Resp: 931

Ion Ratio Lower Upper

142 100

127 40.9 37.0 55.6

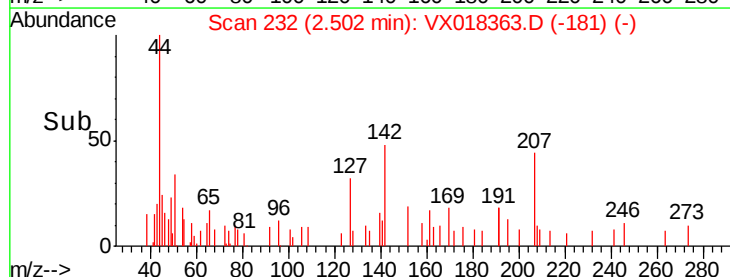
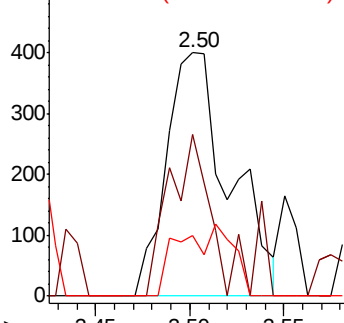
141 13.7 11.5 17.3

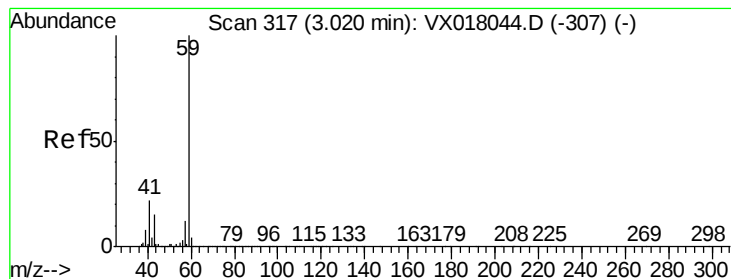


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



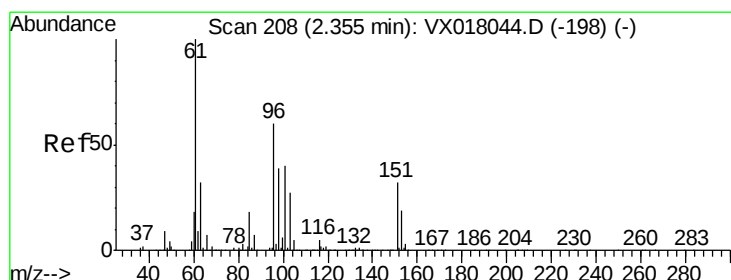
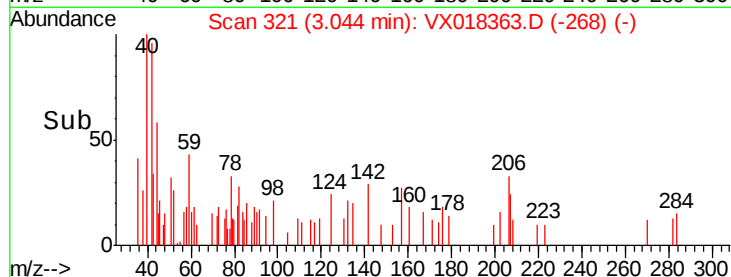
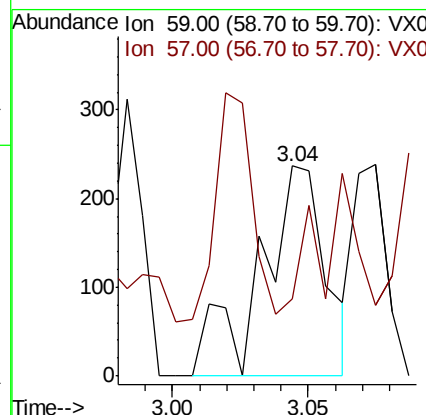
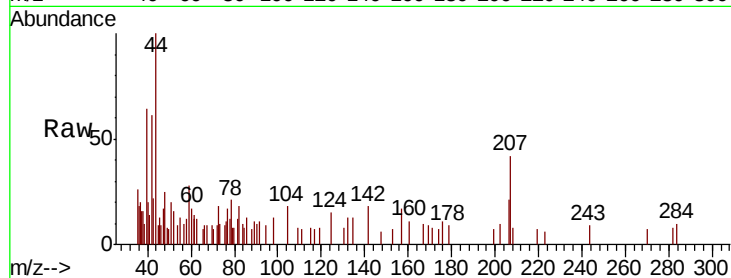


#11

Tert butyl alcohol
 Concen: 0.347 ug/l
 RT: 3.04 min Scan# 321
 Delta R.T. 0.02 min
 Lab File: VX018363.D
 Acq: 11 Sep 2020 16:13

Instrument :
 MSVOA_X
 ClientSampleId :

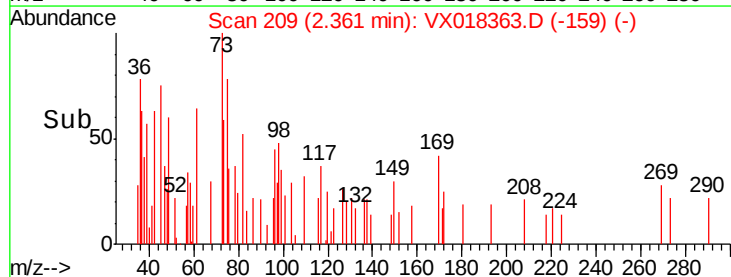
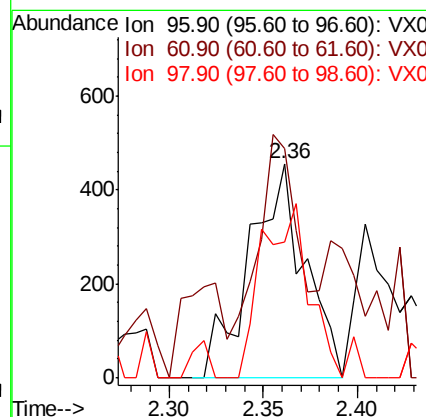
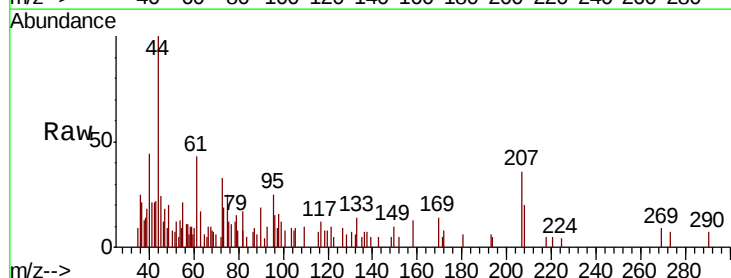
Tot Ion: 59 Resp: 393
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.9 13.3#

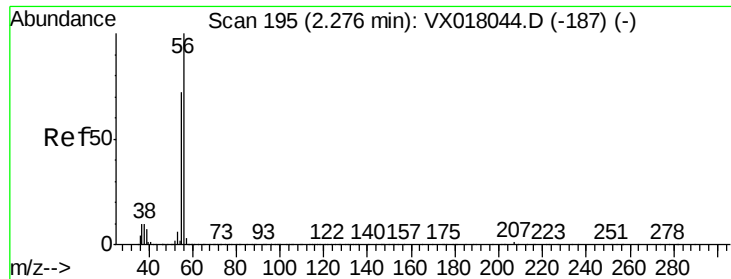


#12

1,1-Dichloroethene
 Concen: 0.225 ug/l
 RT: 2.36 min Scan# 209
 Delta R.T. 0.01 min
 Lab File: VX018363.D
 Acq: 11 Sep 2020 16:13

Tgt Ion: 96 Resp: 922
 Ion Ratio Lower Upper
 96 100
 61 68.9 133.0 199.4#
 98 51.5 51.6 77.4#

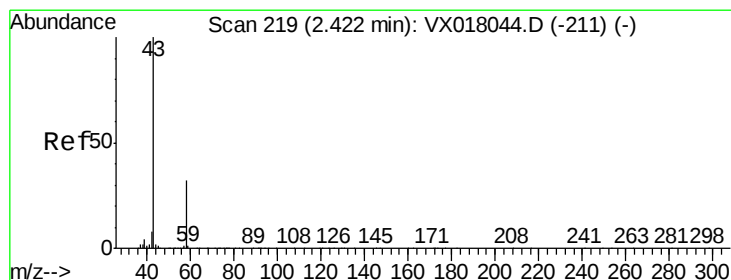
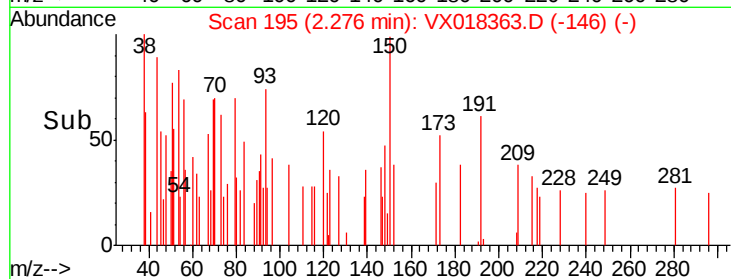
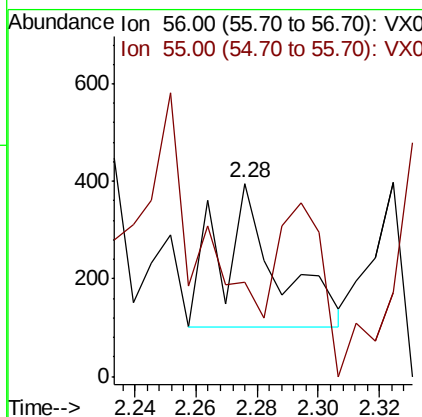
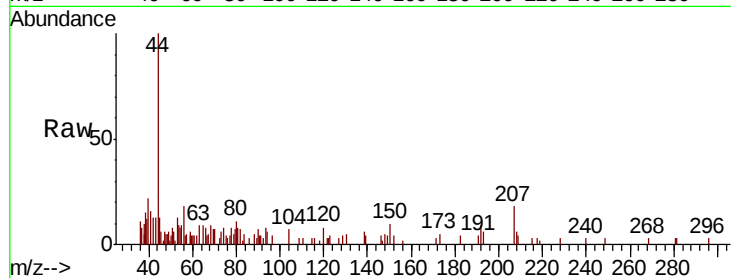




#13
Acrolein
Concen: 0.831 ug/l
RT: 2.28 min Scan# 195
Delta R.T. -0.00 min
Lab File: VX018363.D
Acq: 11 Sep 2020 16:13

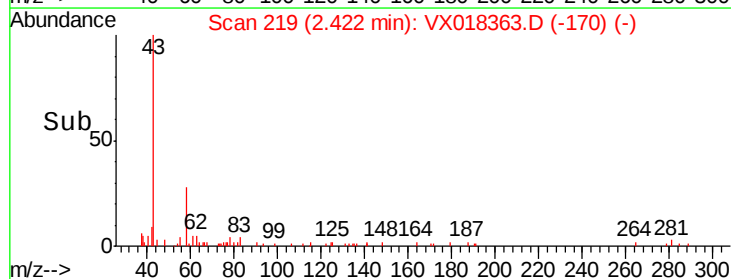
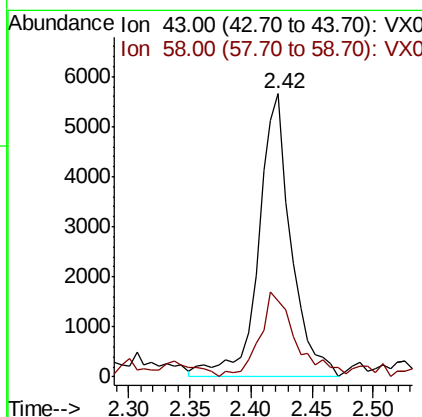
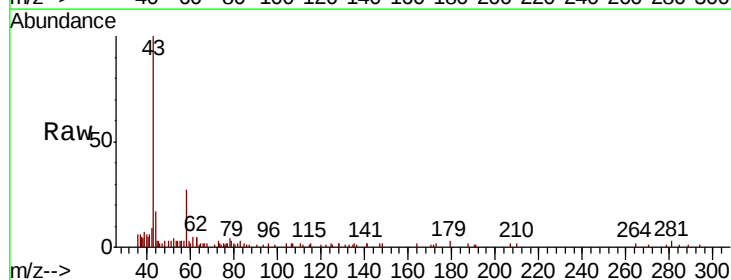
Instrument :
MSVOA_X
ClientSampled :

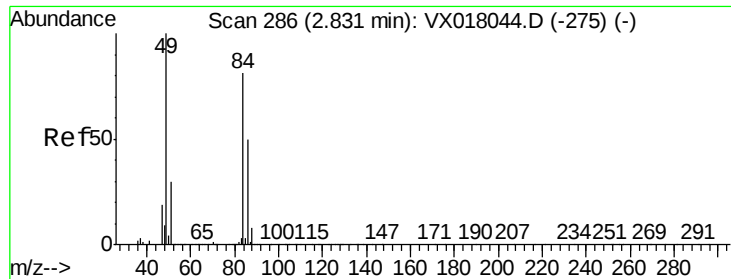
Tot Ion: 56 Resp: 390
Ion Ratio Lower Upper
56 100
55 65.9 57.0 85.6



#16
Acetone
Concen: 4.625 ug/l
RT: 2.42 min Scan# 219
Delta R.T. -0.00 min
Lab File: VX018363.D
Acq: 11 Sep 2020 16:13

Tgt Ion: 43 Resp: 10492
Ion Ratio Lower Upper
43 100
58 23.5 25.5 38.3#

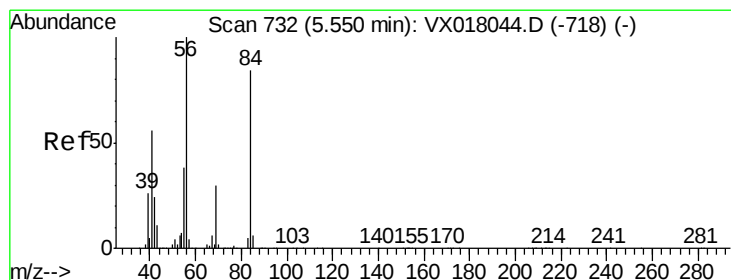
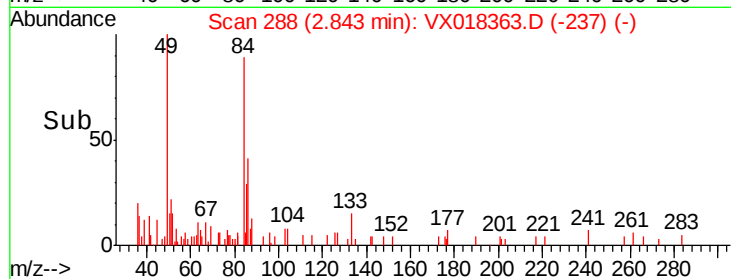
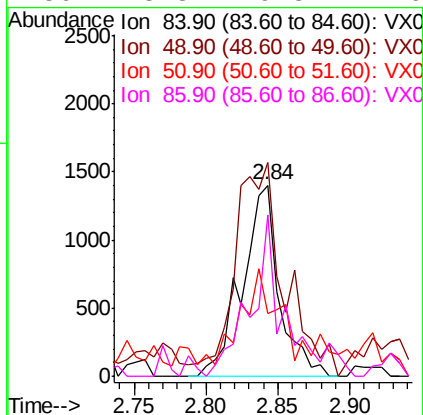
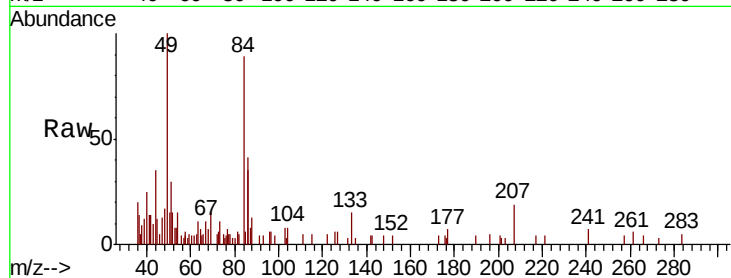




#20
Methvlene Chloride
Concen: Below Cal
RT: 2.84 min Scan# 288
Delta R.T. 0.01 min
Lab File: VX018363.D
Acq: 11 Sep 2020 16:13

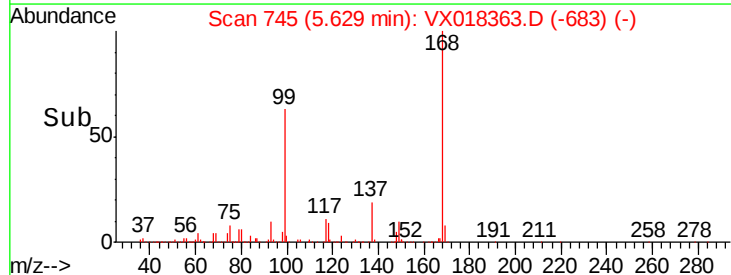
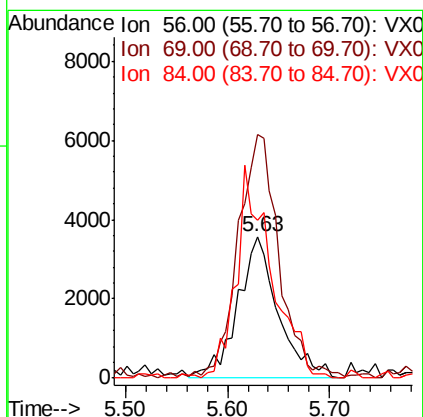
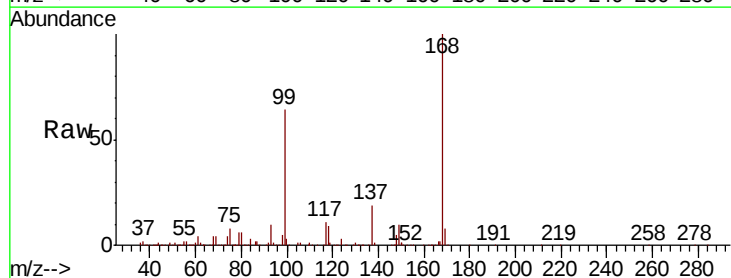
Instrument :
MSVOA_X
ClientSampleId :

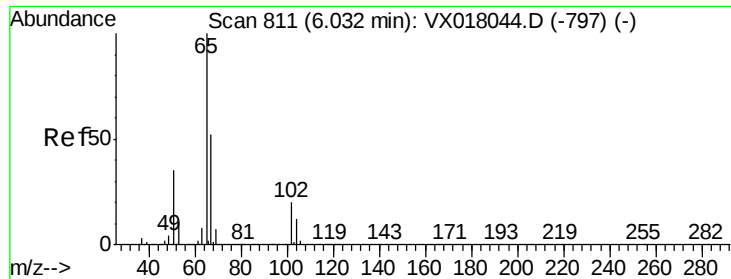
Tot Ion:	84	Resp:	2507
Ion	Ratio	Lower	Upper
84	100		
49	111.8	98.6	148.0
51	22.0	29.6	44.4#
86	73.8	49.8	74.6



#31
Cyclohexane
Concen: 1.422 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.08 min
Lab File: VX018363.D
Acq: 11 Sep 2020 16:13

Tgt Ion:	56	Resp:	9906
Ion	Ratio	Lower	Upper
56	100		
69	170.1	23.9	35.9#
84	111.1	67.0	100.4#





#33

1,2-Dichloroethane-d4

Concen: 51.220 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX018363.D

Acq: 11 Sep 2020 16:13

Instrument :

MSVOA_X

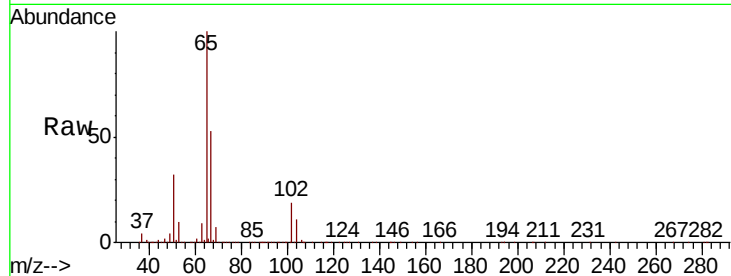
ClientSampleId :

Tot Ion: 65 Resp: 298205

Ion Ratio Lower Upper

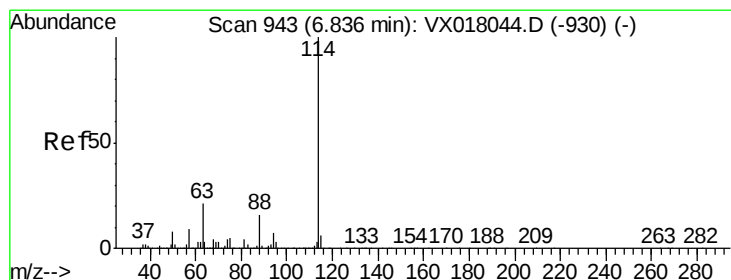
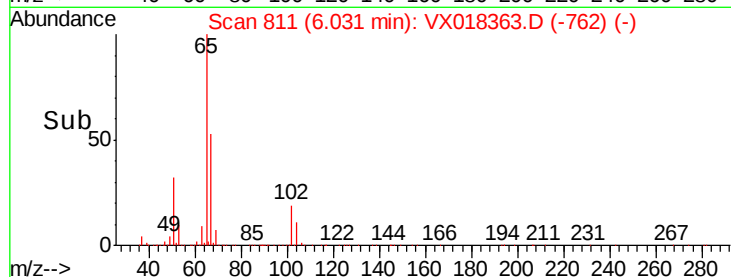
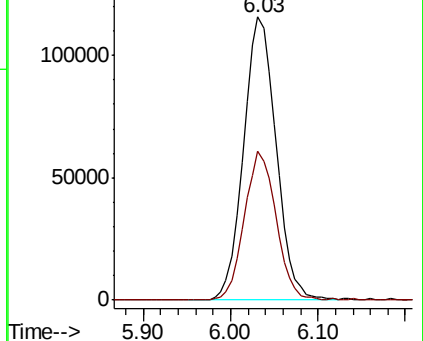
65 100

67 51.6 0.0 105.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.01 min

Lab File: VX018363.D

Acq: 11 Sep 2020 16:13

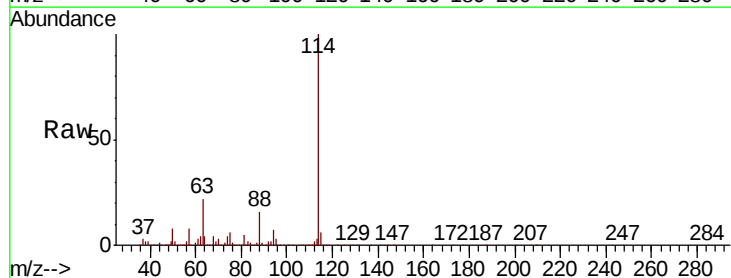
Tgt Ion: 114 Resp: 675108

Ion Ratio Lower Upper

114 100

63 21.5 0.0 42.6

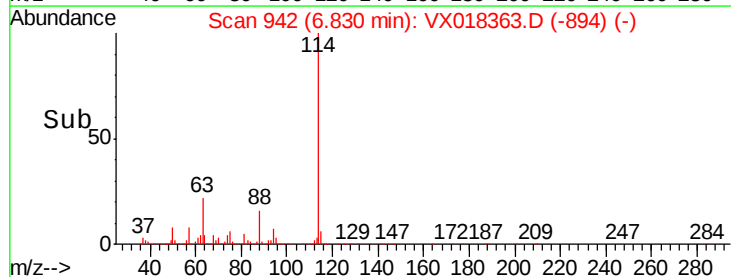
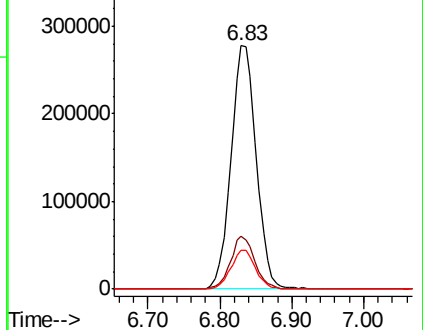
88 15.9 0.0 31.8

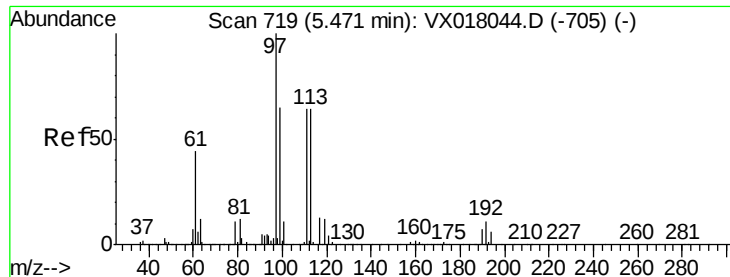


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 50.147 ug/l

RT: 5.47 min Scan# 719

Delta R.T. -0.00 min

Lab File: VX018363.D

Acq: 11 Sep 2020 16:13

Instrument :
MSVOA_X
ClientSampled :

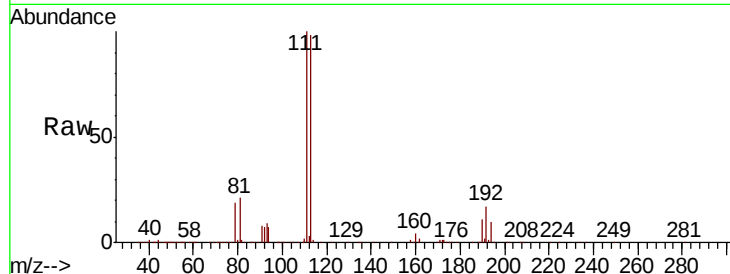
Tot Ion:113 Resp: 230565

Ion Ratio Lower Upper

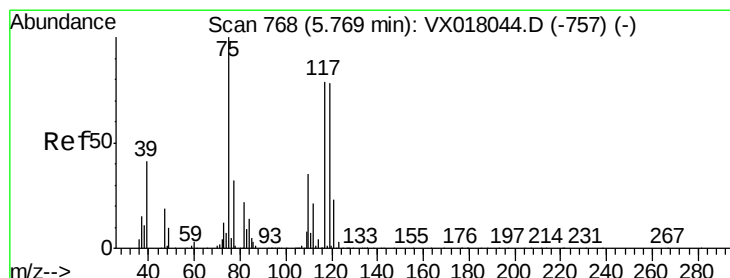
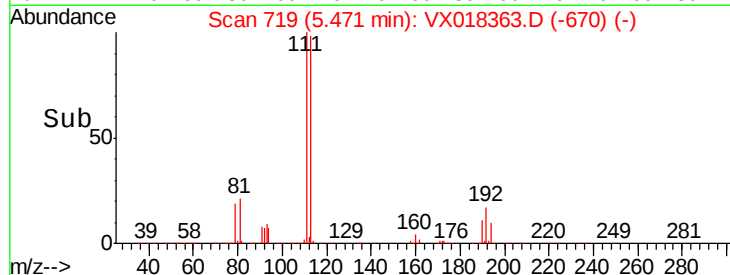
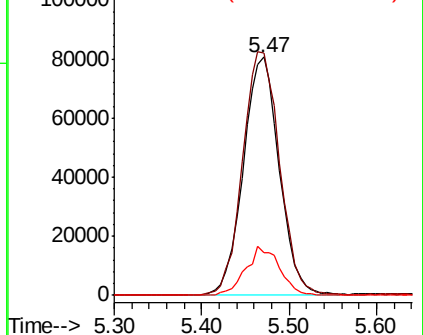
113 100

111 105.1 81.6 122.4

192 19.3 15.8 23.8



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: 5.233 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX018363.D

Acq: 11 Sep 2020 16:13

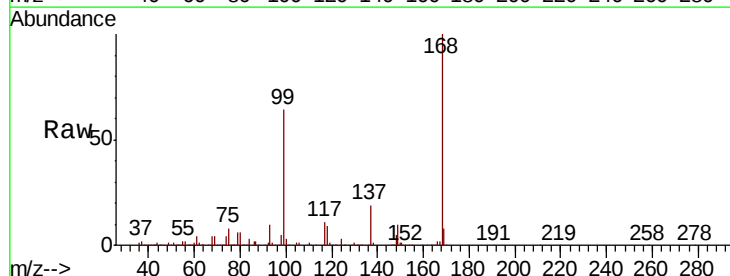
Tgt Ion: 75 Resp: 32585

Ion Ratio Lower Upper

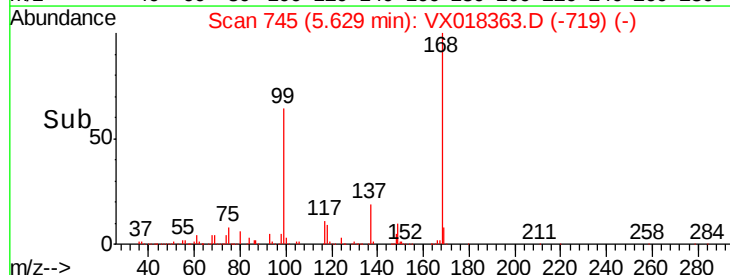
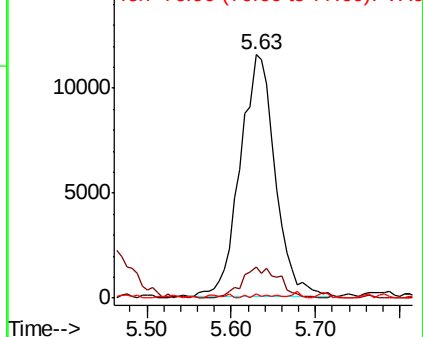
75 100

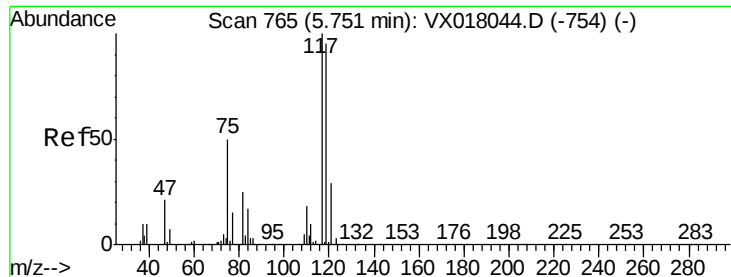
110 13.7 18.0 54.0#

77 0.5 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

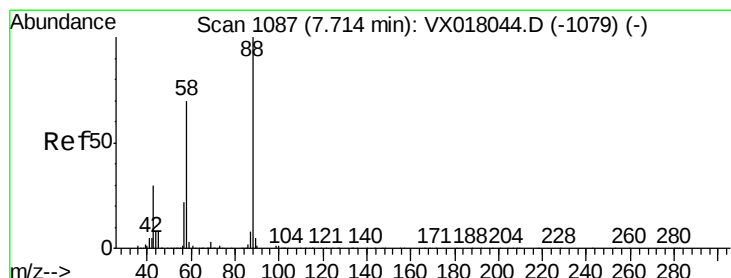
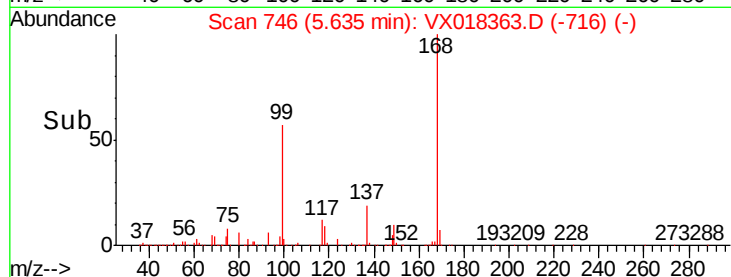
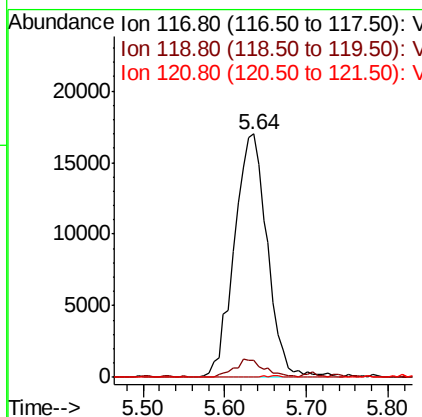
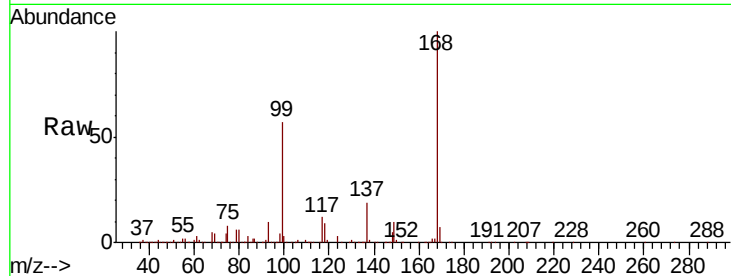




#38
Carbon Tetrachloride
Concen: 6.769 ug/l
RT: 5.64 min Scan# 746
Delta R.T. -0.12 min
Lab File: VX018363.D
Acq: 11 Sep 2020 16:13

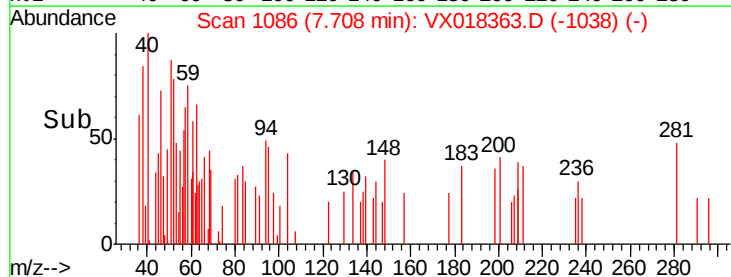
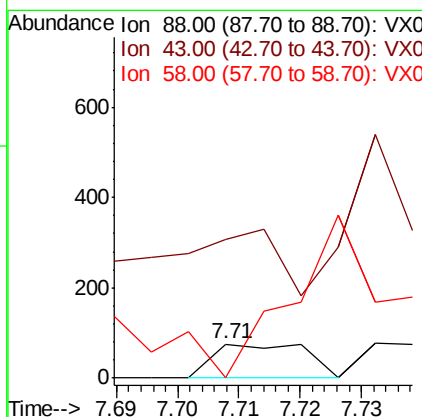
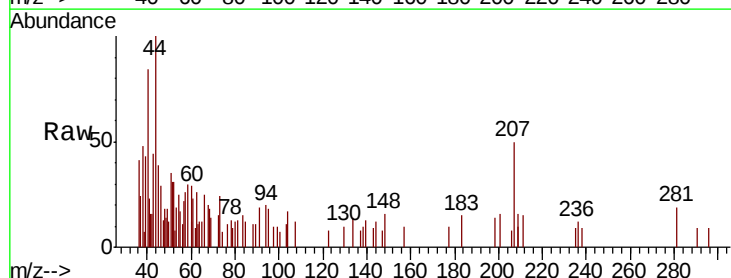
Instrument :
MSVOA_X
ClientSampleId :

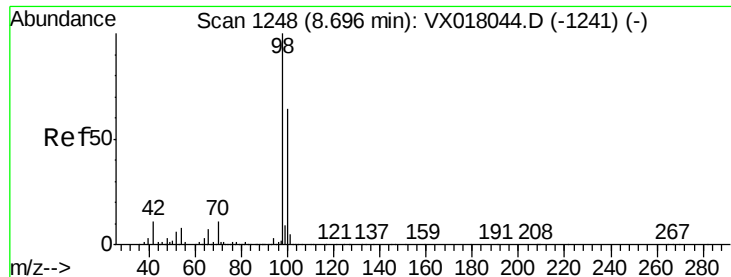
Tot Ion:117 Resp: 47502
Ion Ratio Lower Upper
117 100
119 6.9 75.8 113.6#
121 0.0 23.4 35.0#



#49
1,4-Dioxane
Concen: 0.750 ug/l
RT: 7.71 min Scan# 1086
Delta R.T. -0.01 min
Lab File: VX018363.D
Acq: 11 Sep 2020 16:13

Tgt Ion: 88 Resp: 79
Ion Ratio Lower Upper
88 100
43 0.0 27.4 41.0#
58 0.0 56.4 84.6#





#50

Toluene-d8

Concen: 47.742 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX018363.D

Acq: 11 Sep 2020 16:13

Instrument :

MSVOA_X

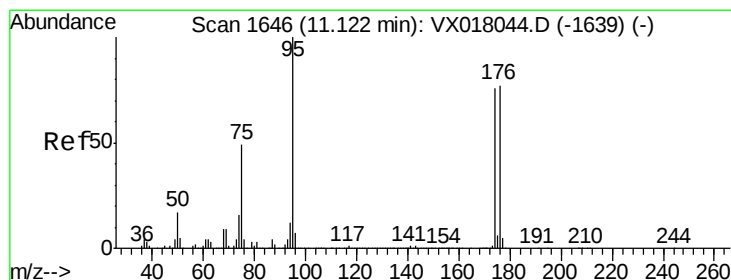
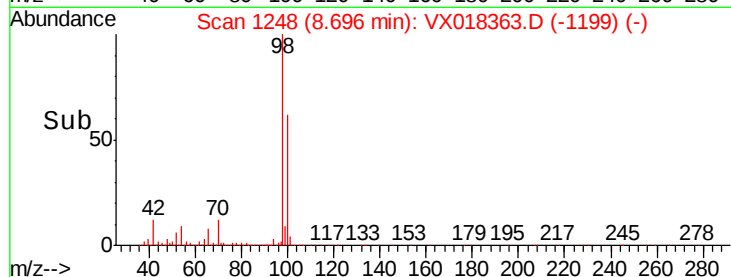
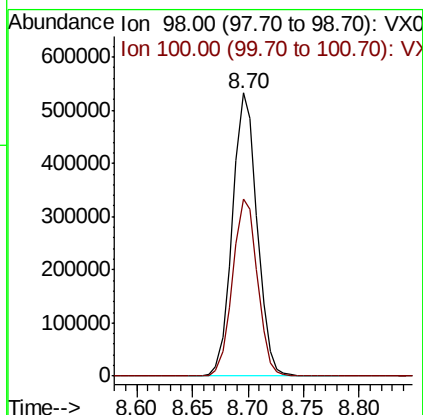
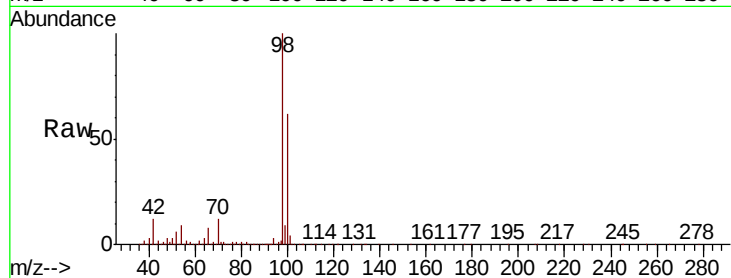
ClientSampleId :

Tot Ion: 98 Resp: 817575

Ion Ratio Lower Upper

98 100

100 63.2 52.2 78.4



#62

4-Bromofluorobenzene

Concen: 42.948 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX018363.D

Acq: 11 Sep 2020 16:13

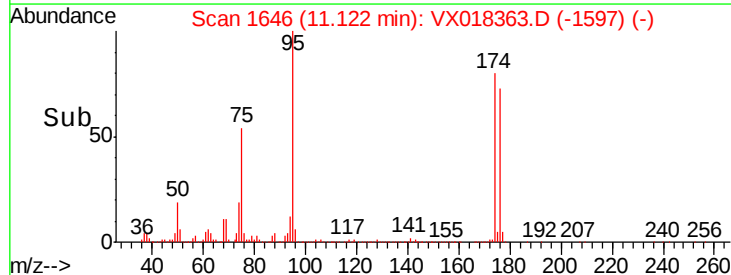
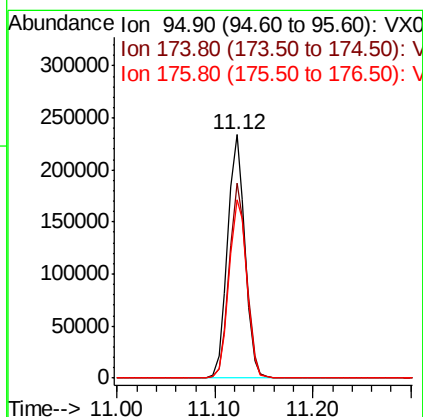
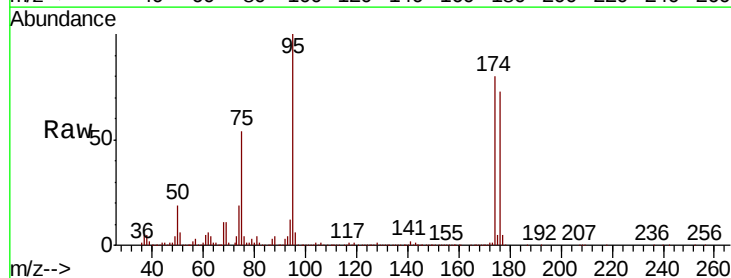
Tgt Ion: 95 Resp: 289364

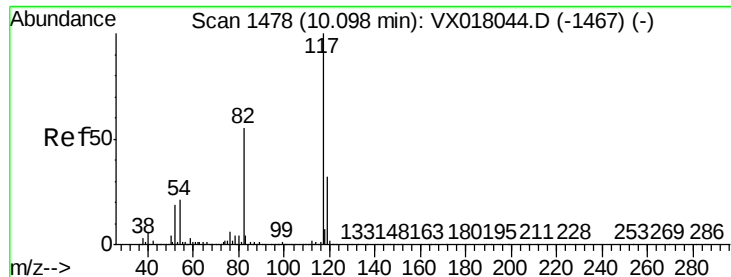
Ion Ratio Lower Upper

95 100

174 80.0 0.0 160.2

176 75.5 0.0 155.8

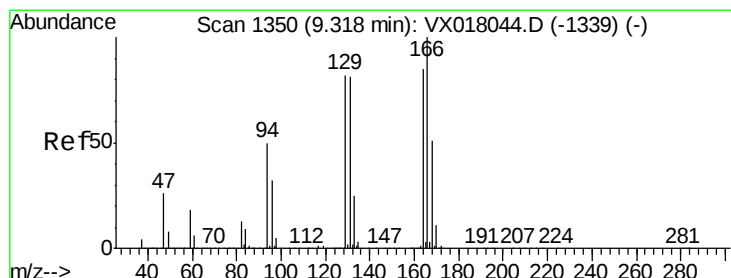
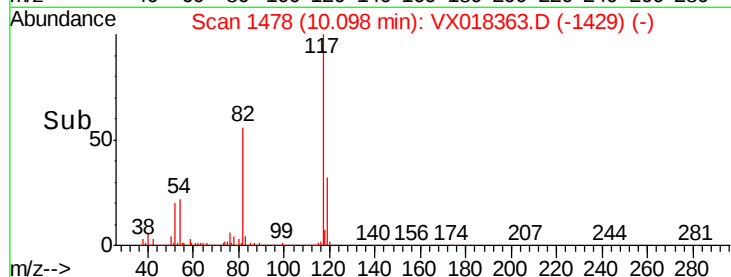
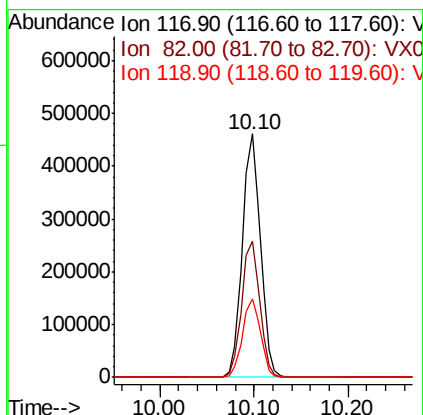
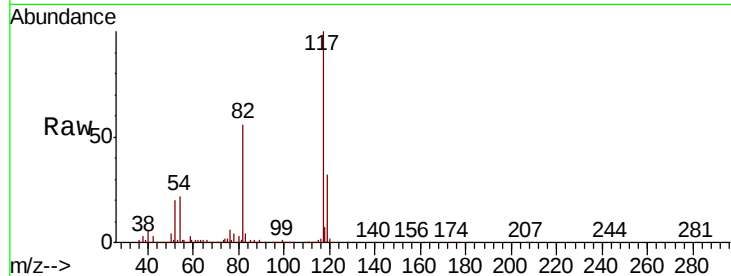




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX018363.D
Acq: 11 Sep 2020 16:13

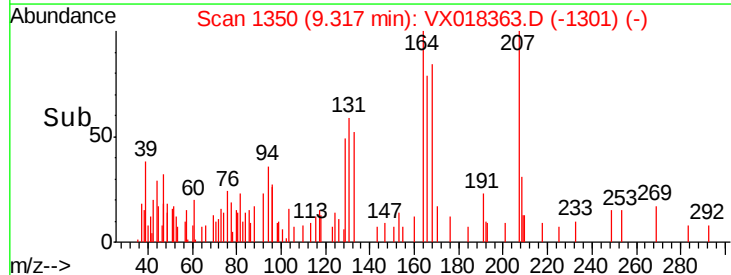
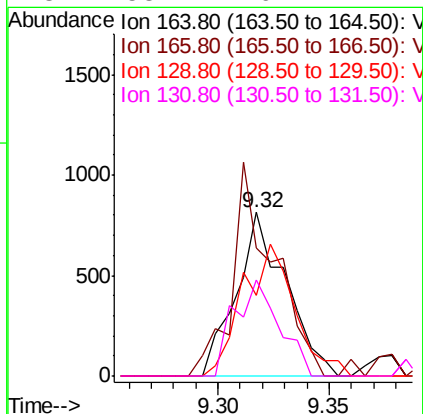
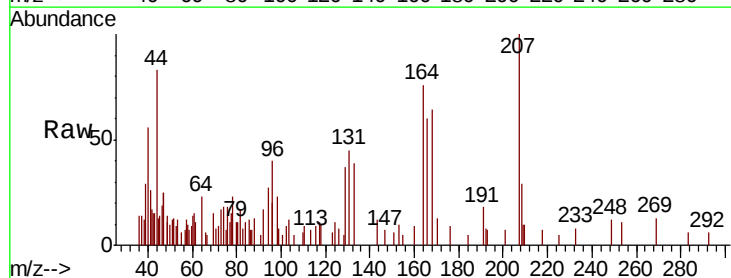
Instrument :
MSVOA_X
ClientSampleId :

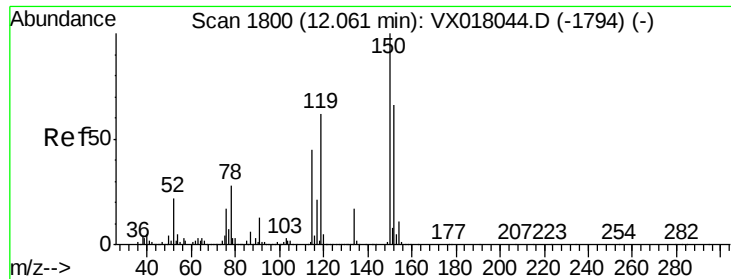
Tot Ion:117 Resp: 619736
Ion Ratio Lower Upper
117 100
82 56.1 44.2 66.2
119 32.2 25.7 38.5



#64
Tetrachloroethene
Concen: 0.278 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. -0.00 min
Lab File: VX018363.D
Acq: 11 Sep 2020 16:13

Tgt Ion:164 Resp: 1266
Ion Ratio Lower Upper
164 100
166 78.6 94.2 141.2#
129 49.1 76.9 115.3#
131 58.7 76.1 114.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX018363.D

Acq: 11 Sep 2020 16:13

Instrument :

MSVOA_X

ClientSampleId :

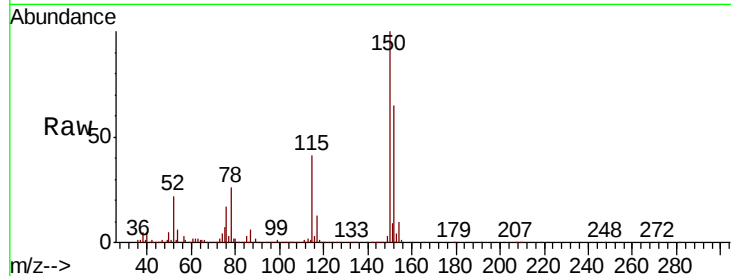
Tot Ion:152 Resp: 290653

Ion Ratio Lower Upper

152 100

115 61.2 41.5 124.5

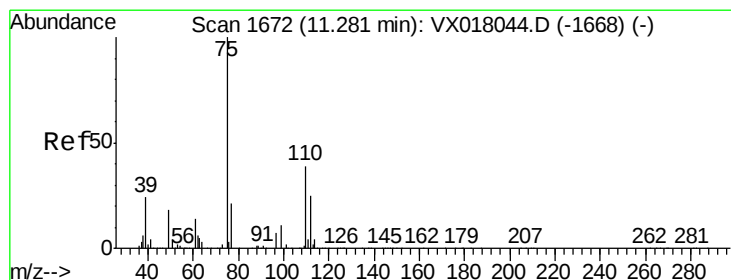
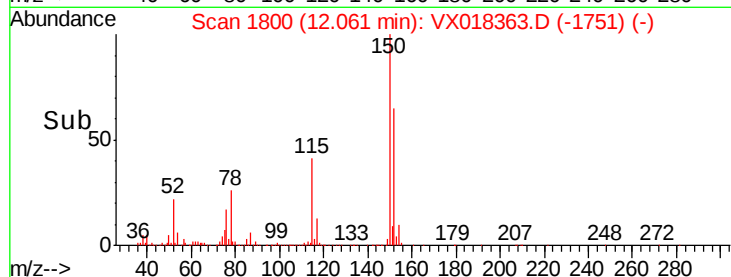
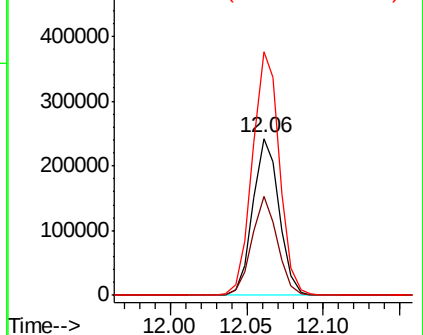
150 158.8 0.0 343.8



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: 23.640 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018363.D

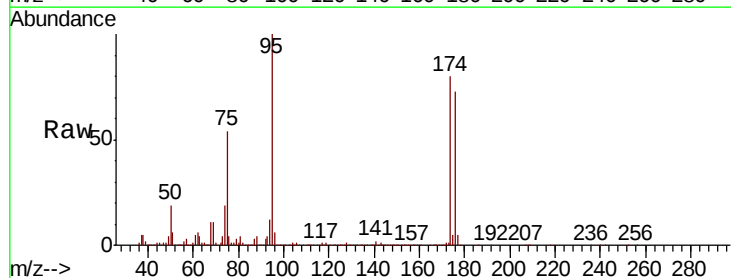
Acq: 11 Sep 2020 16:13

Tgt Ion: 75 Resp: 152847

Ion Ratio Lower Upper

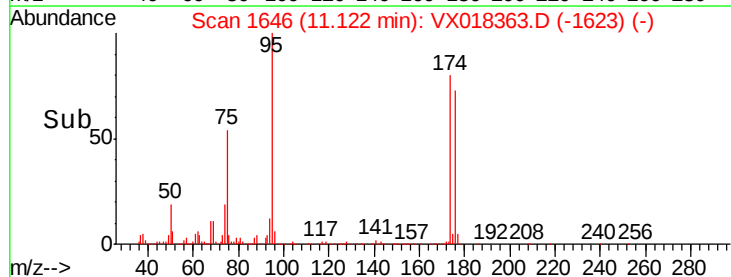
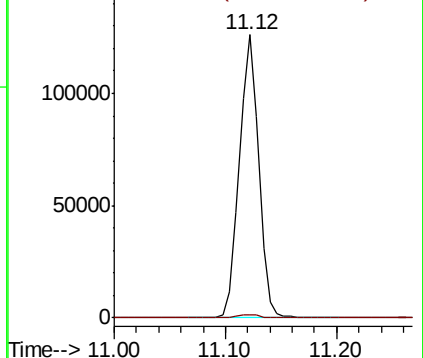
75 100

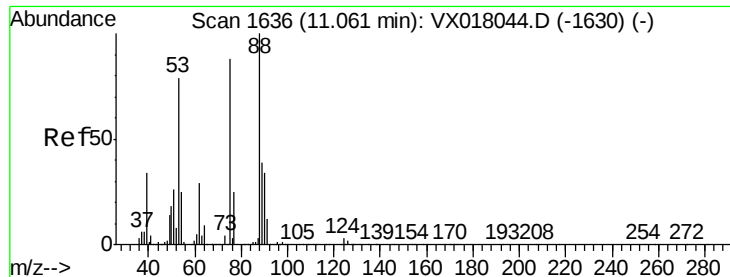
77 1.5 20.8 62.2#



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: 63.847 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX018363.D

Acq: 11 Sep 2020 16:13

Instrument :

MSVOA_X

ClientSampleId :

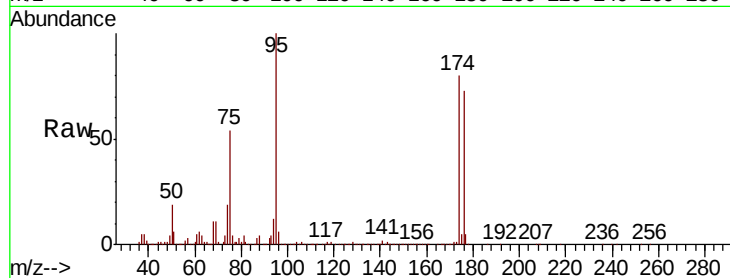
Tot Ion: 75 Resp: 152847

Ion Ratio Lower Upper

75 100

53 0.0 74.7 112.1#

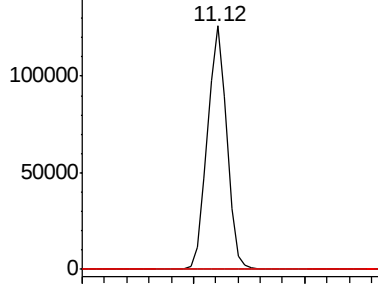
89 0.1 36.6 54.8#



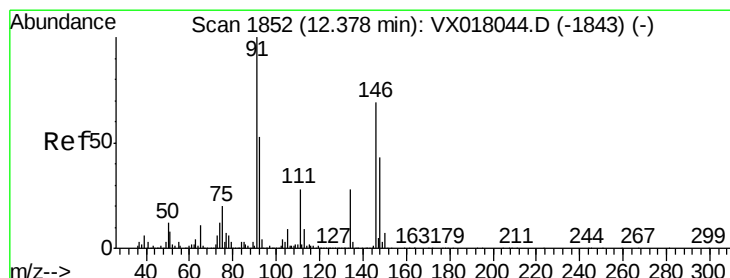
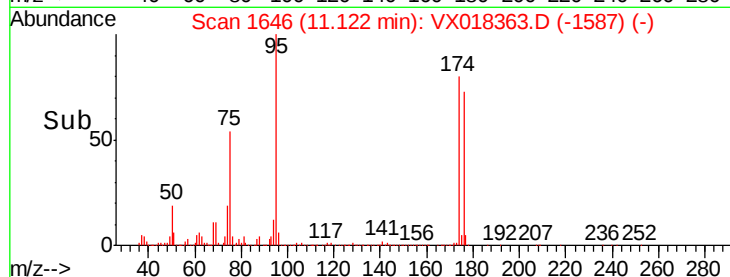
Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



Time--> 11.00 11.10 11.20



#91

1,2-Dichlorobenzene

Concen: 0.243 ug/l

RT: 12.38 min Scan# 1852

Delta R.T. -0.00 min

Lab File: VX018363.D

Acq: 11 Sep 2020 16:13

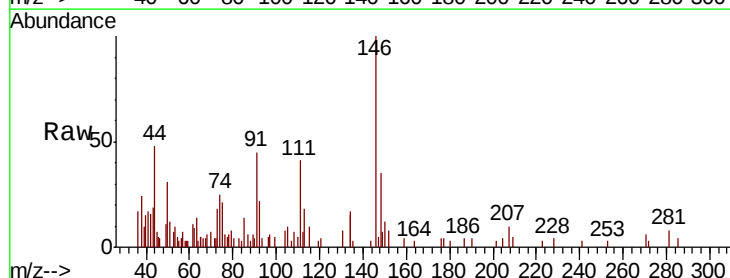
Tgt Ion: 146 Resp: 2126

Ion Ratio Lower Upper

146 100

111 60.2 20.8 62.5

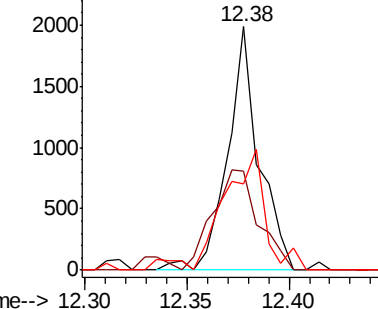
148 62.5 31.6 95.0



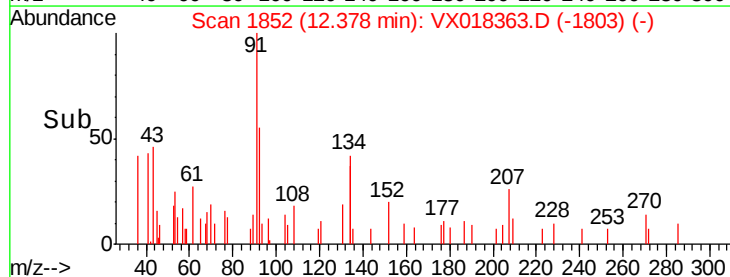
Abundance Ion 145.90 (145.60 to 146.60): V

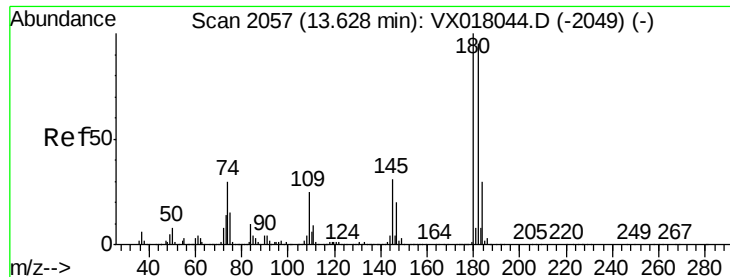
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



Time--> 12.30 12.35 12.40

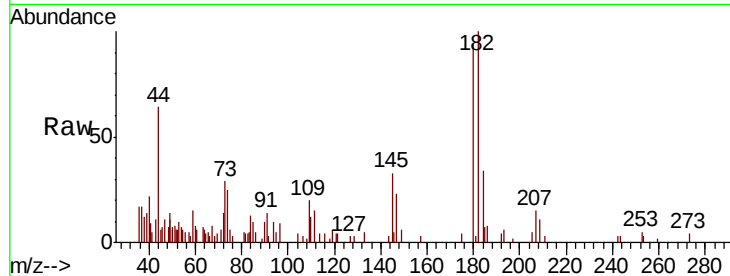




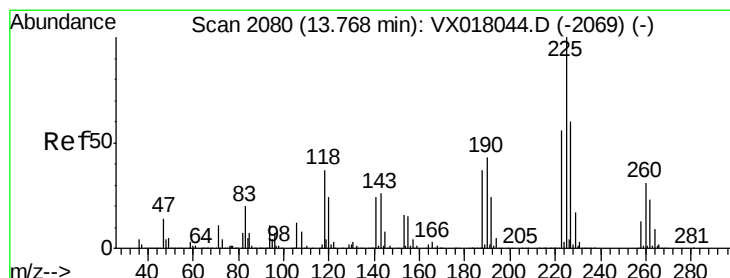
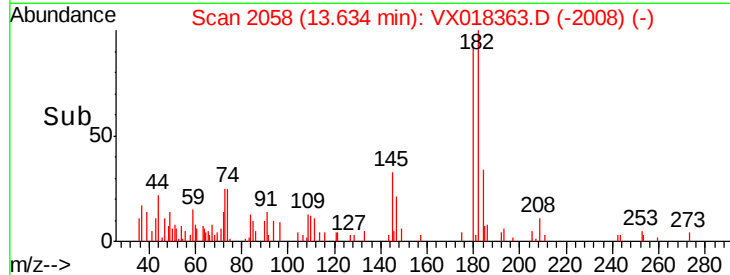
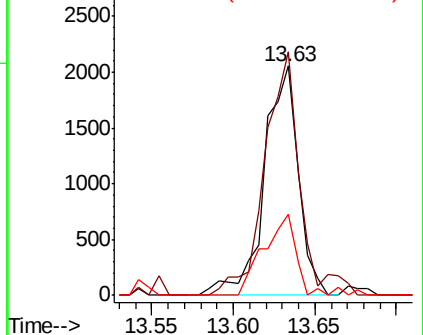
#93
 1,2,4-Trichlorobenzene
 Concen: 0.513 ug/l
 RT: 13.63 min Scan# 2058
 Delta R.T. 0.01 min
 Lab File: VX018363.D
 Acq: 11 Sep 2020 16:13

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:180 Resp: 2996
 Ion Ratio Lower Upper
 180 100
 182 109.1 47.5 142.6
 145 33.1 15.7 47.1

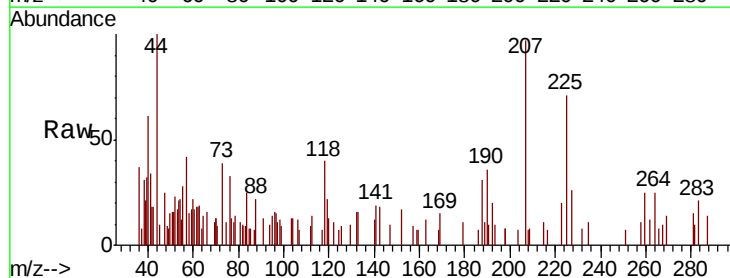


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

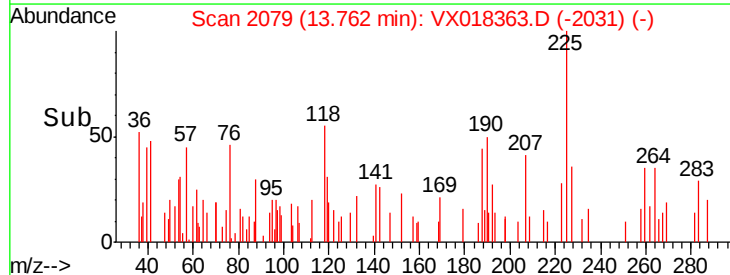
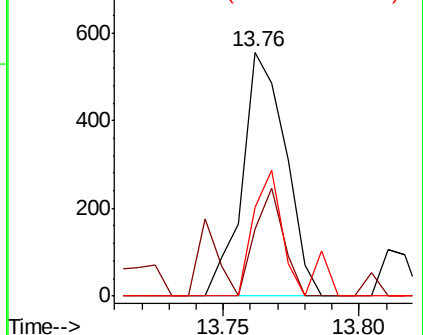


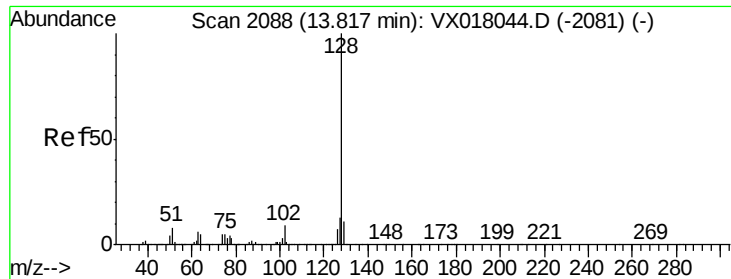
#94
 Hexachlorobutadiene
 Concen: 0.266 ug/l
 RT: 13.76 min Scan# 2079
 Delta R.T. -0.01 min
 Lab File: VX018363.D
 Acq: 11 Sep 2020 16:13

Tgt Ion:225 Resp: 613
 Ion Ratio Lower Upper
 225 100
 223 29.4 30.7 92.1#
 227 33.6 32.6 97.8



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 0.222 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. -0.00 min

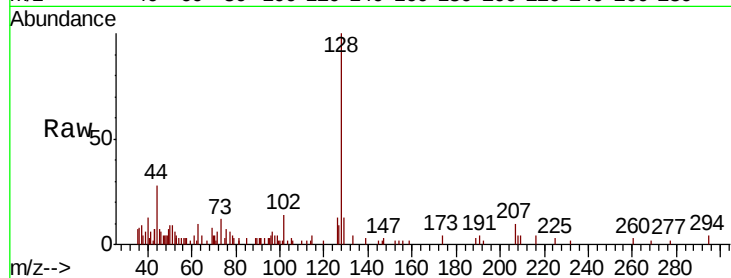
Lab File: VX018363.D

Acq: 11 Sep 2020 16:13

Instrument :

MSVOA_X

ClientSampleId :



Tot Ion:	128	Resp:	4275
Ion	Ratio	Lower	Upper
128	100		
127	15.6	10.2	15.2#
129	11.1	8.7	13.1

