

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX072820\
 Data File : VX017650.D
 Acq On : 28 Jul 2020 14:00
 Operator : JC/SP
 Sample : L3371-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 29 02:26:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X072320W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 24 05:48:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	493037	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	823053	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	868156	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	460264	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.04	65	344899	54.46	ug/l	0.00
Spiked Amount			Recovery	=	108.92%	
35) Dibromofluoromethane	5.47	113	280909	51.03	ug/l	0.00
Spiked Amount			Recovery	=	102.06%	
50) Toluene-d8	8.70	98	1010360	50.88	ug/l	0.00
Spiked Amount			Recovery	=	101.76%	
62) 4-Bromofluorobenzene	11.12	95	445644	56.08	ug/l	0.00
Spiked Amount			Recovery	=	112.16%	

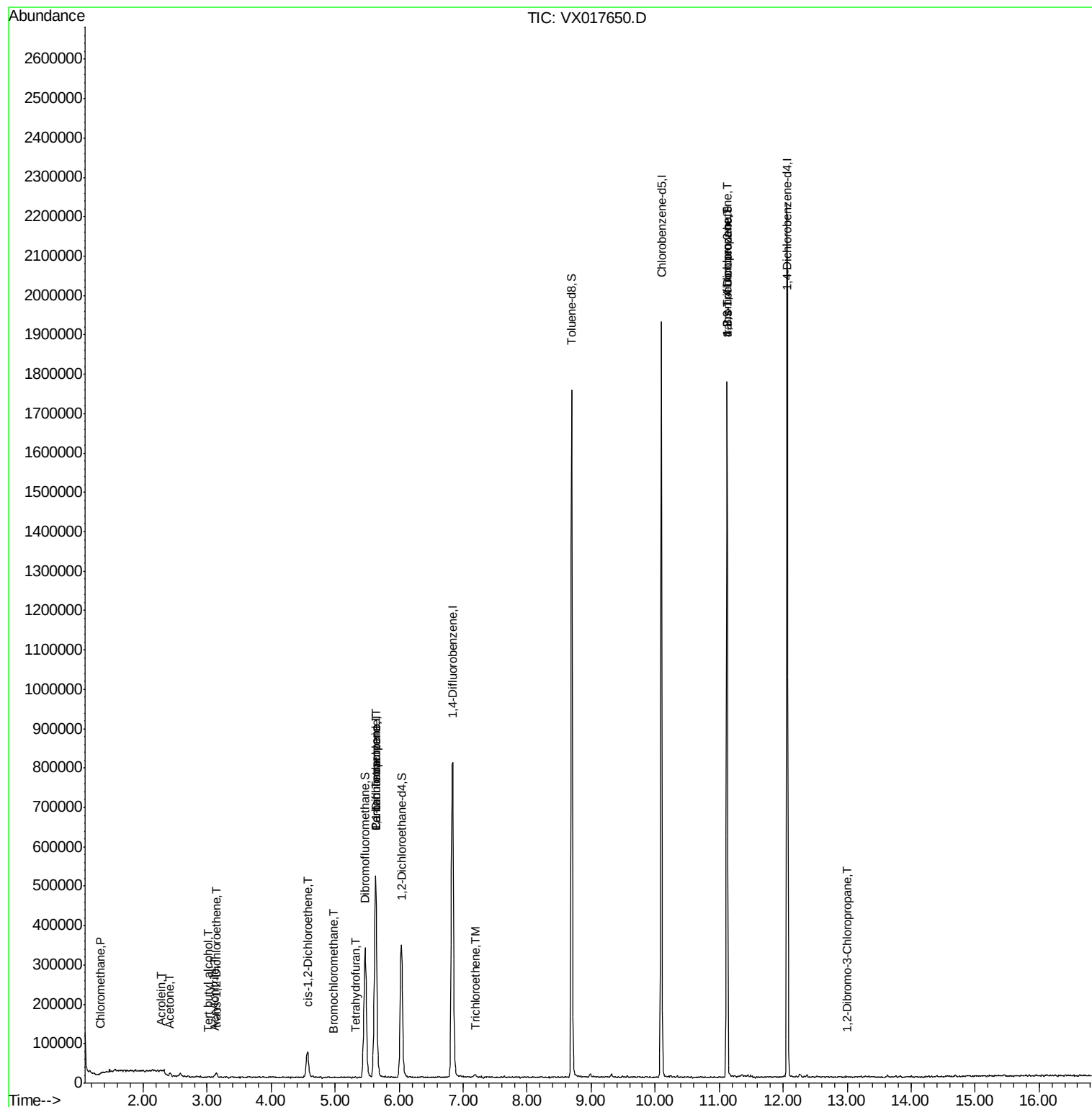
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.18	85	533	Below Cal	#	52
3) Chloromethane	1.32	50	1179	0.559	ug/l #	70
5) Bromomethane	1.62	94	695	Below Cal	#	3
6) Chloroethane	1.71	64	293	Below Cal	#	69
8) Diethyl Ether	2.20	74	598	Below Cal		83
11) Tert butyl alcohol	3.02	59	687	0.515	ug/l #	17
13) Acrolein	2.27	56	603	4.730	ug/l #	61
15) Acrylonitrile	3.12	53	634	0.220	ug/l #	80
16) Acetone	2.42	43	9301	3.337	ug/l	95
20) Methylene Chloride	2.82	84	1297	Below Cal		95
21) trans-1,2-Dichloroethene	3.14	96	4398	0.806	ug/l #	71
27) cis-1,2-Dichloroethene	4.57	96	41391	6.985	ug/l	89
28) Bromochloromethane	4.96	49	963	0.217	ug/l #	22
29) Tetrahydrofuran	5.33	42	500	0.204	ug/l	92
36) 1,1-Dichloropropene	5.63	75	37227	4.716	ug/l #	51
38) Carbon Tetrachloride	5.63	117	48123	5.020	ug/l #	18
44) Trichloroethene	7.20	130	2404	0.363	ug/l	64
76) 1,2,3-Trichloropropane	11.12	75	223866	23.645	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	223866	59.580	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	12.99	75	371	2.703	ug/l #	14

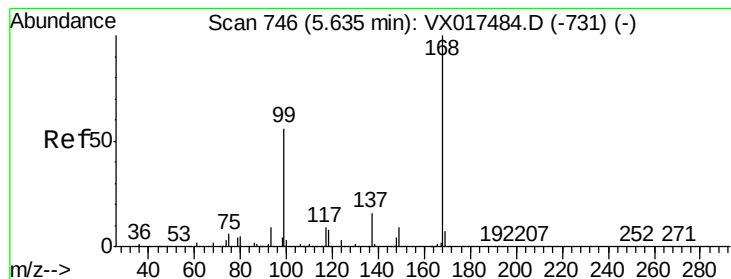
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX072820\
Data File : VX017650.D
Acq On : 28 Jul 2020 14:00
Operator : JC/SP
Sample : L3371-03
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Jul 29 02:26:55 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X072320W.M
Quant Title : SW846 8260
QLast Update : Fri Jul 24 05:48:09 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 746

Delta R.T. -0.00 min

Lab File: VX017650.D

Acq: 28 Jul 2020 14:00

Instrument :

MSVOA_X

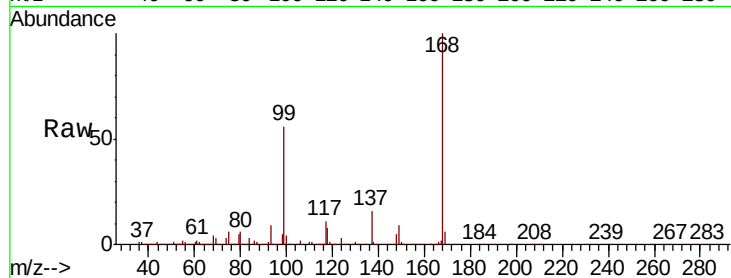
ClientSampleId :

Tot Ion:168 Resp: 493037

Ion Ratio Lower Upper

168 100

99 56.0 43.4 65.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

200000

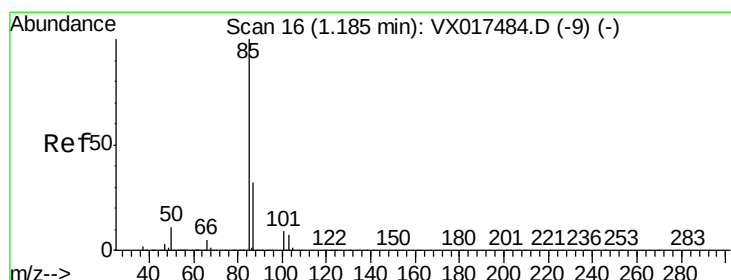
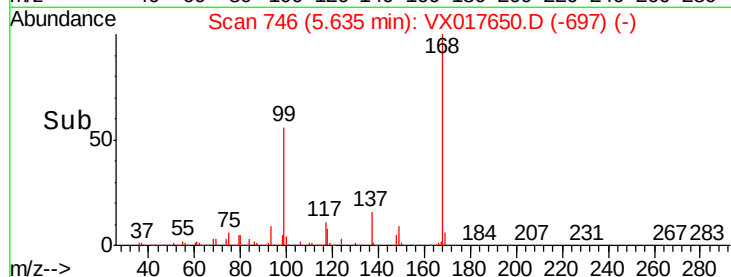
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX017650.D

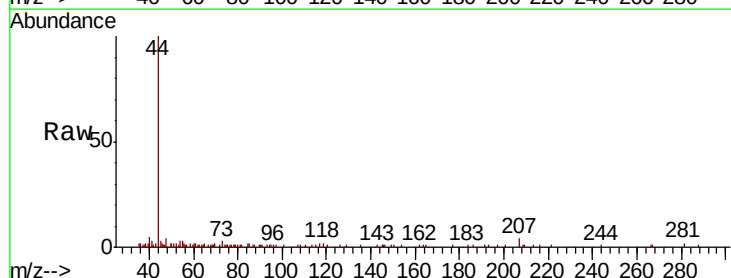
Acq: 28 Jul 2020 14:00

Tgt Ion: 85 Resp: 533

Ion Ratio Lower Upper

85 100

87 59.1 16.1 48.3#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.18

500

400

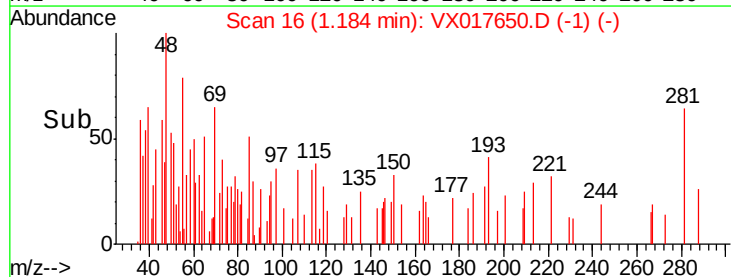
300

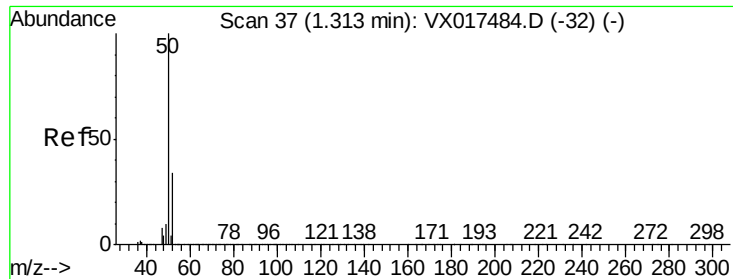
200

100

0

Time-->





#3

Chloromethane

Concen: 0.559 ug/l

RT: 1.32 min Scan# 38

Delta R.T. 0.01 min

Lab File: VX017650.D

Acq: 28 Jul 2020 14:00

Instrument :

MSVOA_X

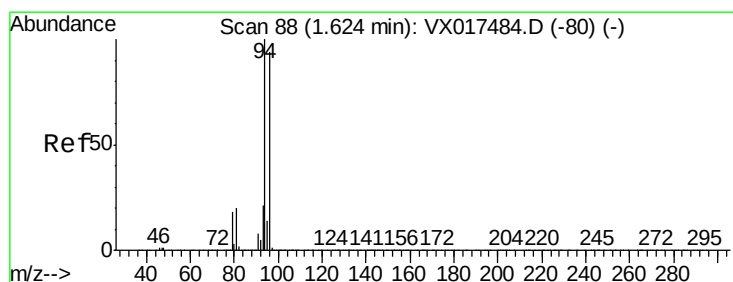
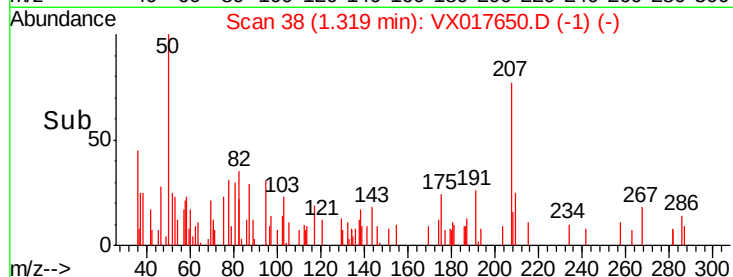
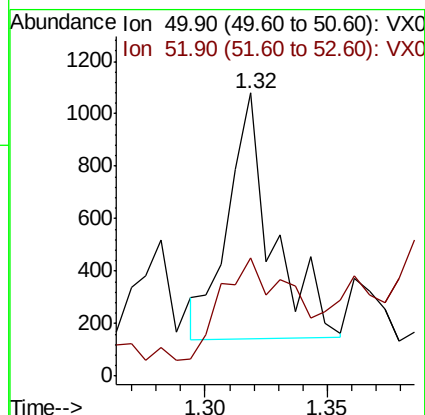
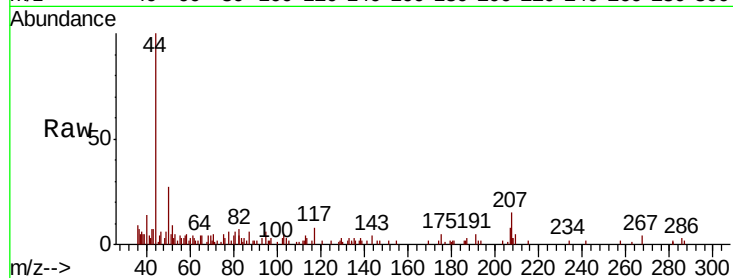
ClientSampled :

Tot Ion: 50 Resp: 1179

Ion Ratio Lower Upper

50 100

52 49.3 25.9 38.9#



#5

Bromomethane

Concen: Below Cal

RT: 1.62 min Scan# 87

Delta R.T. -0.01 min

Lab File: VX017650.D

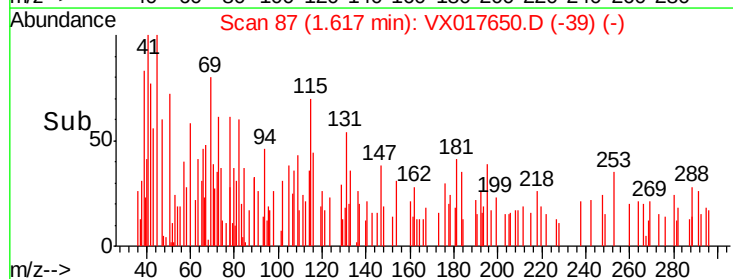
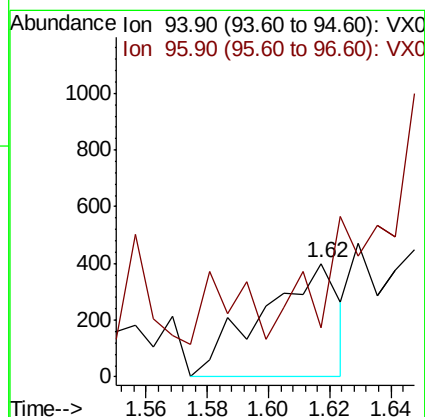
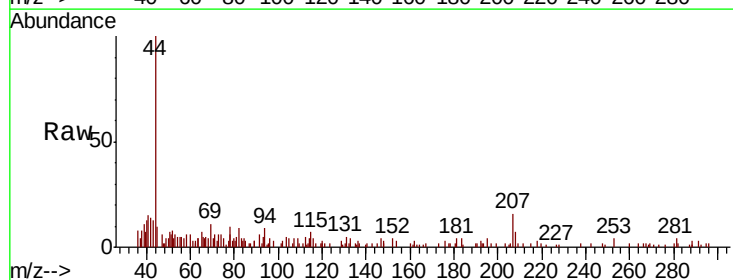
Acq: 28 Jul 2020 14:00

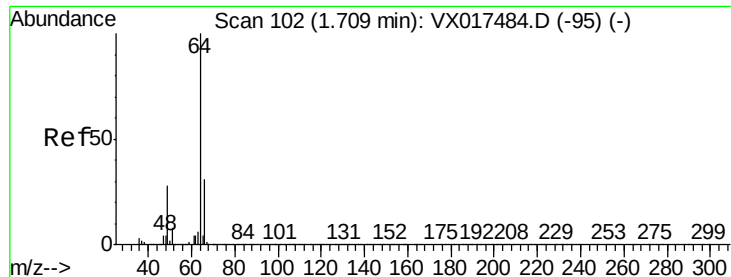
Tgt Ion: 94 Resp: 695

Ion Ratio Lower Upper

94 100

96 0.0 74.1 111.1#





#6

Chloroethane

Concen: Below Cal

RT: 1.71 min Scan# 103

Delta R.T. 0.01 min

Lab File: VX017650.D

Acq: 28 Jul 2020 14:00

Instrument :

MSVOA_X

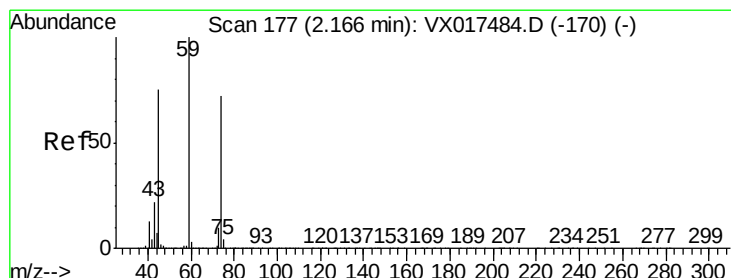
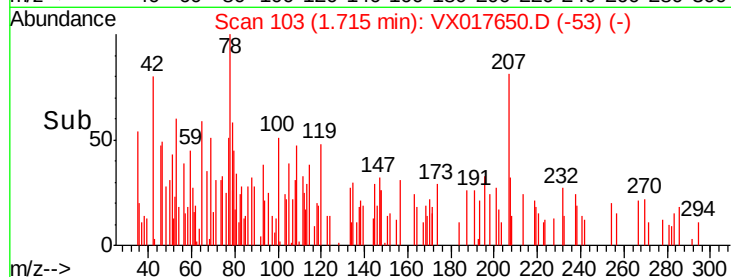
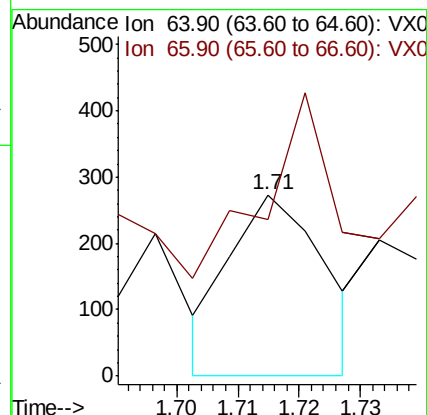
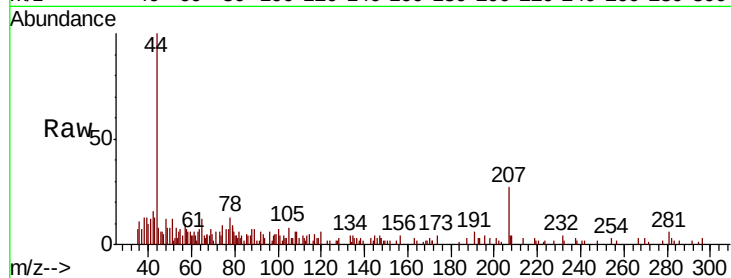
ClientSampled :

Tot Ion: 64 Resp: 293

Ion Ratio Lower Upper

64 100

66 48.4 24.9 37.3#



#8

Diethyl Ether

Concen: Below Cal

RT: 2.20 min Scan# 183

Delta R.T. 0.04 min

Lab File: VX017650.D

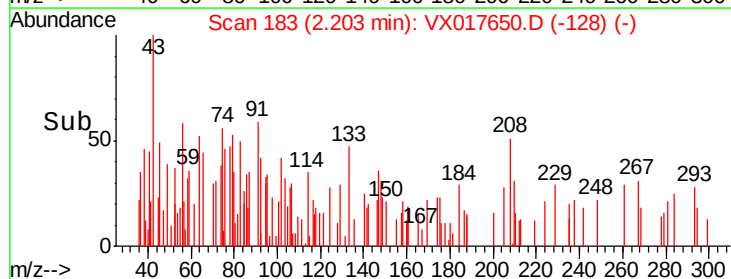
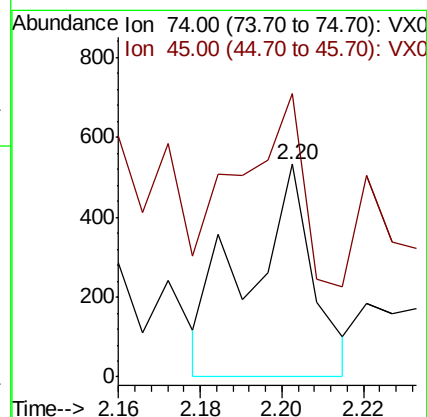
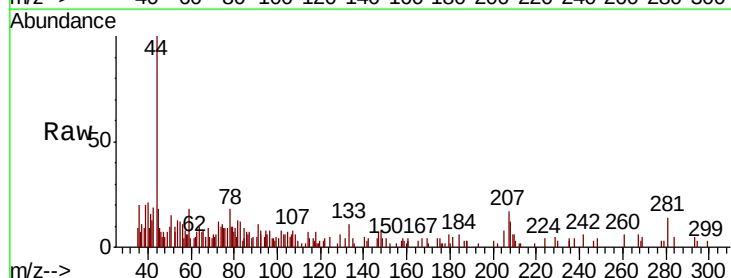
Acq: 28 Jul 2020 14:00

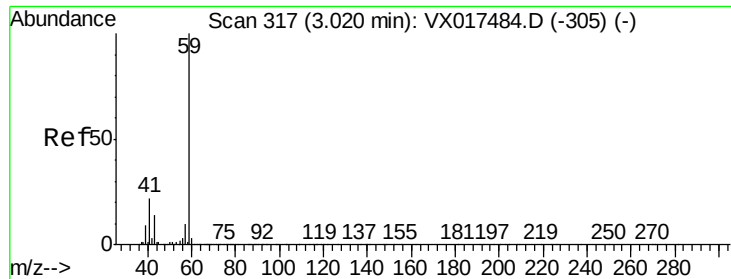
Tgt Ion: 74 Resp: 598

Ion Ratio Lower Upper

74 100

45 84.1 50.8 152.5



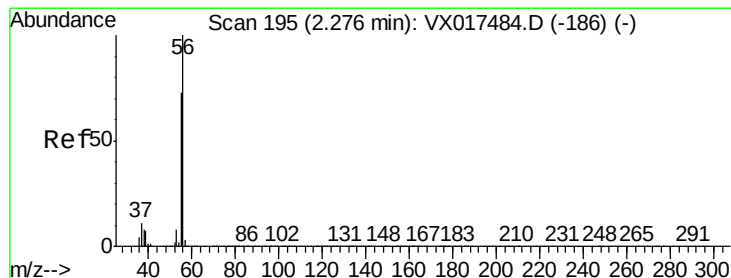
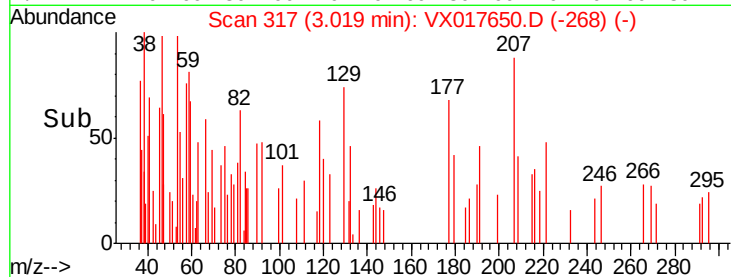
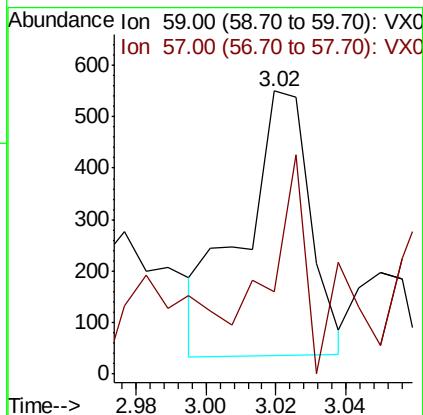
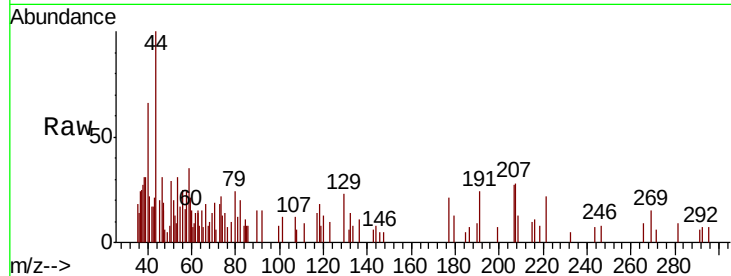


#11

Tert butyl alcohol
 Concen: 0.515 ug/l
 RT: 3.02 min Scan# 317
 Delta R.T. -0.00 min
 Lab File: VX017650.D
 Acq: 28 Jul 2020 14:00

Instrument :
 MSVOA_X
 ClientSampled :

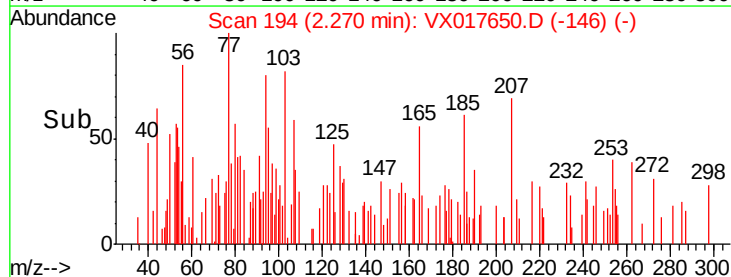
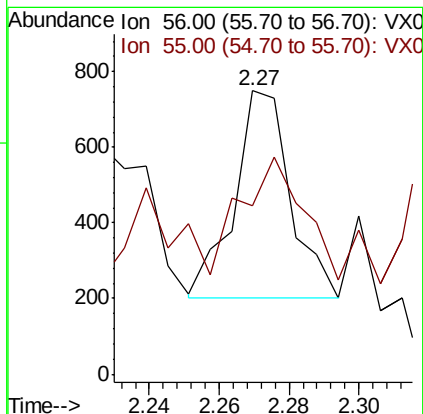
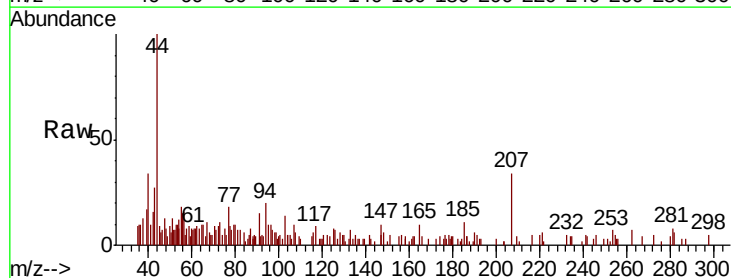
Tot Ion: 59 Resp: 687
 Ion Ratio Lower Upper
 59 100
 57 41.9 8.6 12.8#

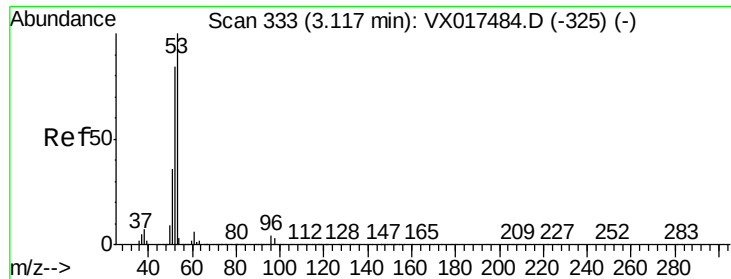


#13

Acrolein
 Concen: 4.730 ug/l
 RT: 2.27 min Scan# 194
 Delta R.T. -0.01 min
 Lab File: VX017650.D
 Acq: 28 Jul 2020 14:00

Tgt Ion: 56 Resp: 603
 Ion Ratio Lower Upper
 56 100
 55 104.6 57.4 86.2#

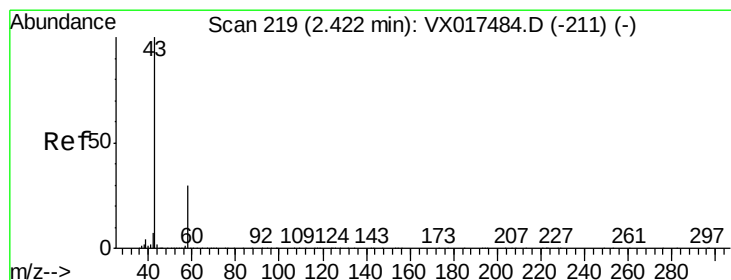
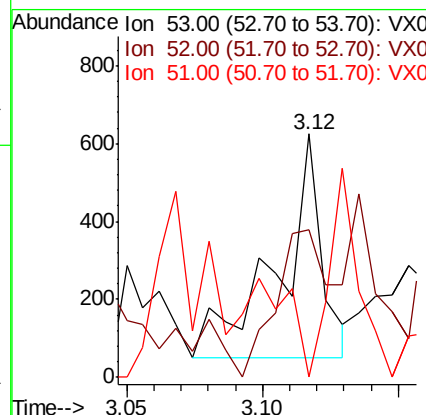
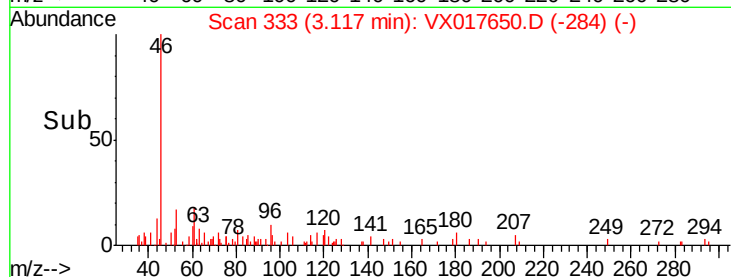
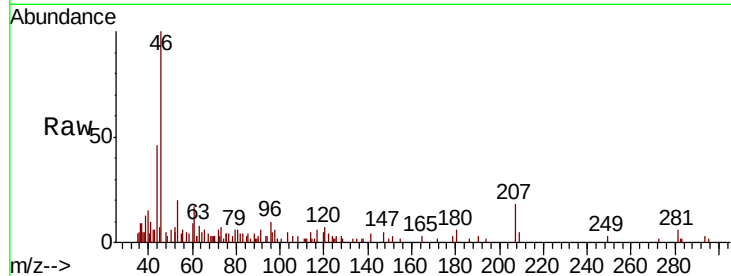




#15
 Acrylonitrile
 Concen: 0.220 ug/l
 RT: 3.12 min Scan# 333
 Delta R.T. -0.00 min
 Lab File: VX017650.D
 Acq: 28 Jul 2020 14:00

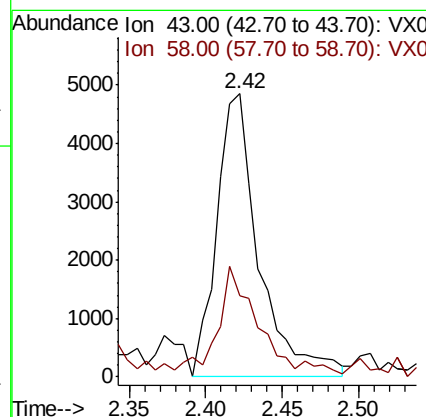
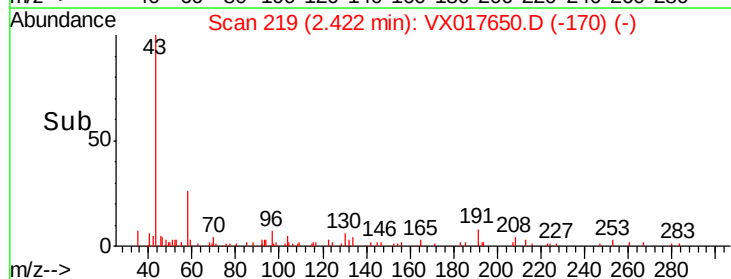
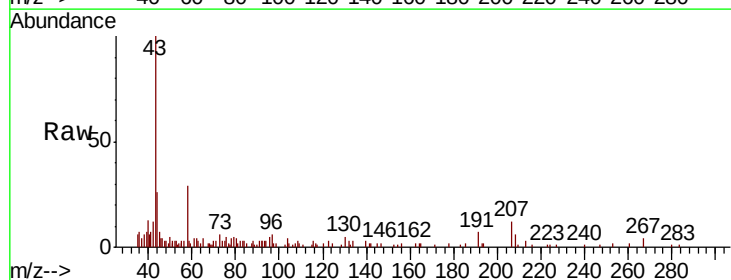
Instrument :
 MSVOA_X
 ClientSampleId :

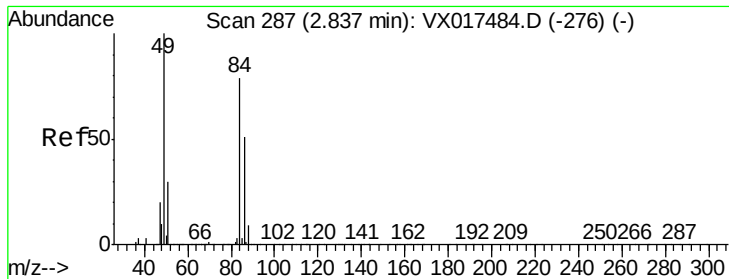
Tot Ion: 53 Resp: 634
 Ion Ratio Lower Upper
 53 100
 52 73.3 66.6 99.8
 51 61.5 29.4 44.2#



#16
 Acetone
 Concen: 3.337 ug/l
 RT: 2.42 min Scan# 219
 Delta R.T. -0.00 min
 Lab File: VX017650.D
 Acq: 28 Jul 2020 14:00

Tgt Ion: 43 Resp: 9301
 Ion Ratio Lower Upper
 43 100
 58 27.6 24.2 36.4

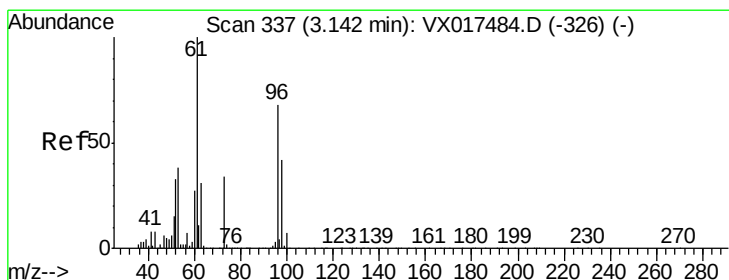
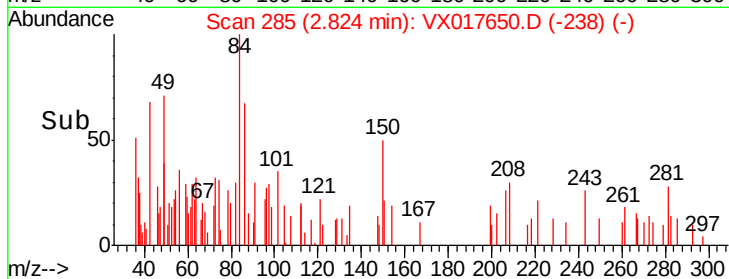
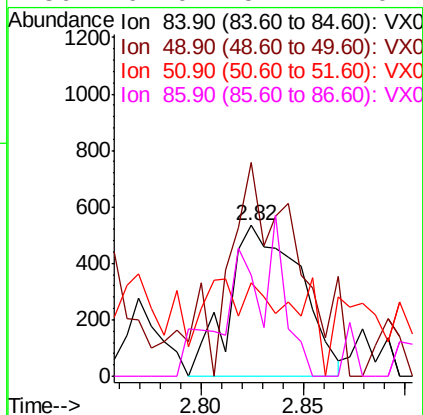
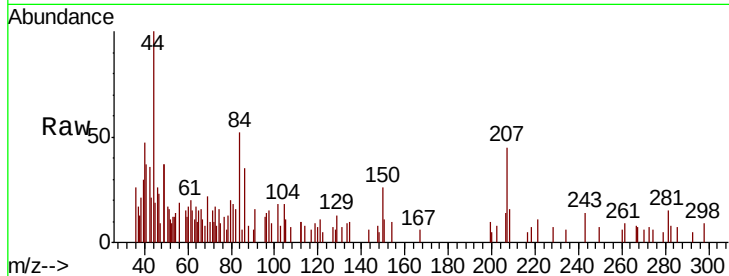




#20
Methylene Chloride
Concen: Below Cal
RT: 2.82 min Scan# 285
Delta R.T. -0.01 min
Lab File: VX017650.D
Acq: 28 Jul 2020 14:00

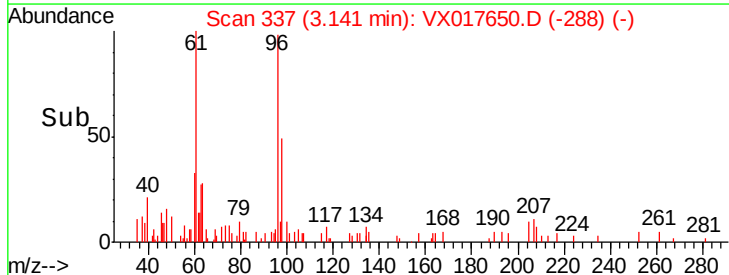
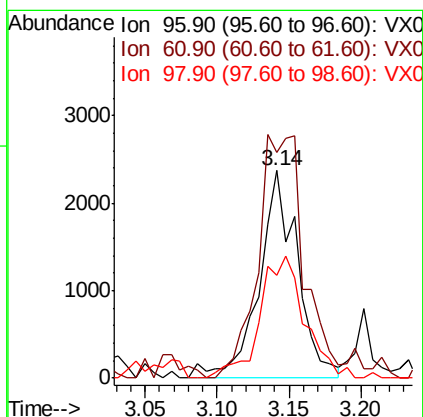
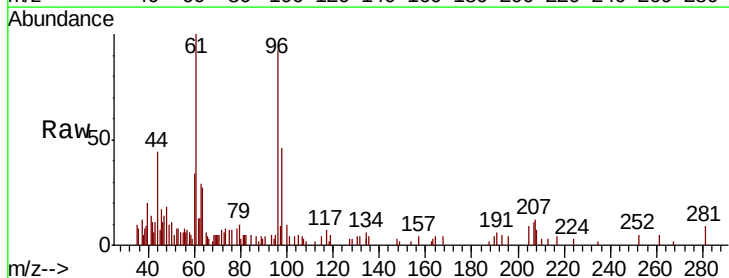
Instrument :
MSVOA_X
ClientSampled :

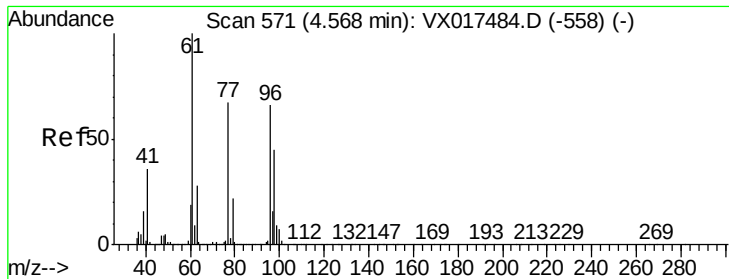
Tot Ion:	84	Resp:	1297
Ion	Ratio	Lower	Upper
84	100		
49	119.1	100.3	150.5
51	42.5	30.5	45.7
86	67.0	51.1	76.7



#21
trans-1,2-Dichloroethene
Concen: 0.806 ug/l
RT: 3.14 min Scan# 337
Delta R.T. -0.00 min
Lab File: VX017650.D
Acq: 28 Jul 2020 14:00

Tgt Ion:	96	Resp:	4398
Ion	Ratio	Lower	Upper
96	100		
61	102.4	113.0	169.4#
98	47.6	51.8	77.8#



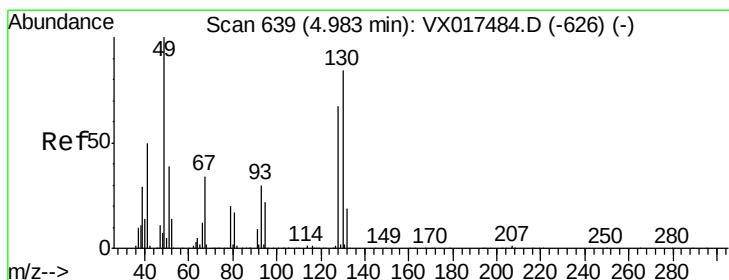
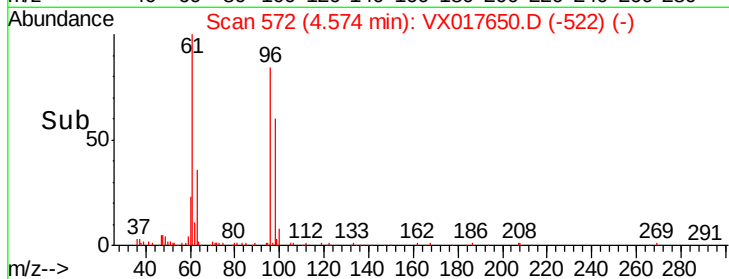
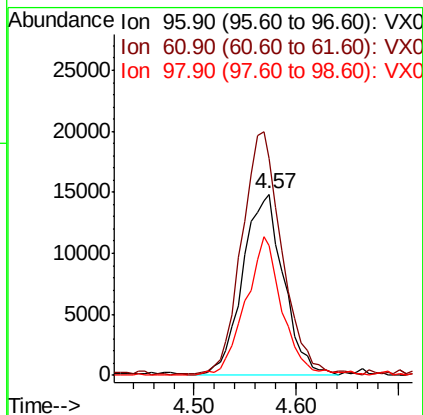
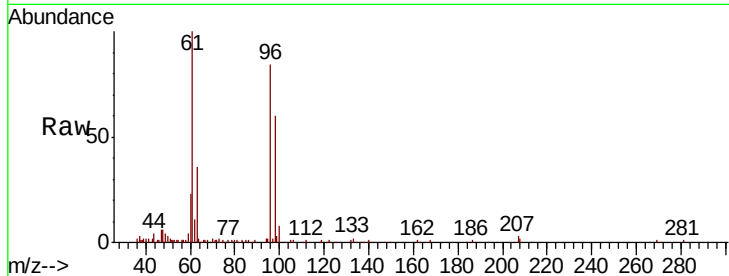


#27

cis-1,2-Dichloroethene
Concen: 6.985 ug/l
RT: 4.57 min Scan# 572
Delta R.T. 0.01 min
Lab File: VX017650.D
Acq: 28 Jul 2020 14:00

Instrument :
MSVOA_X
ClientSampleId :

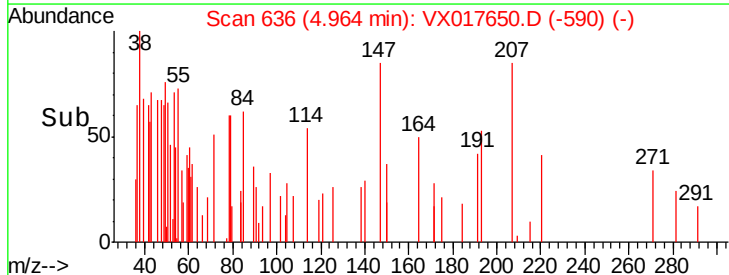
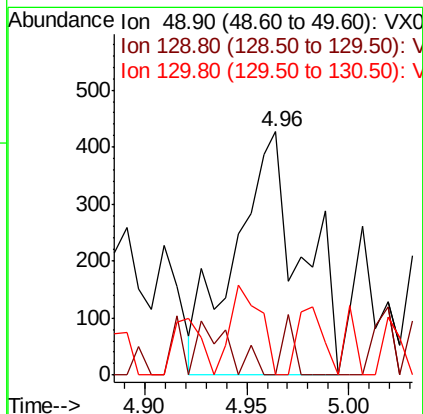
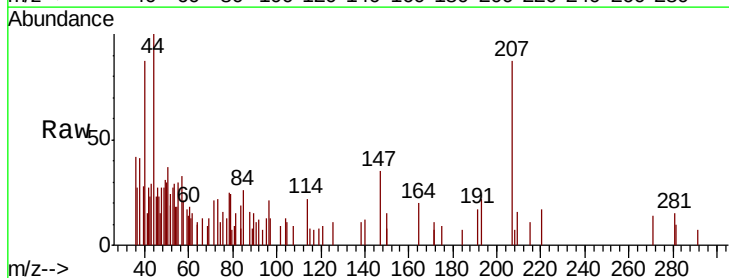
Tot Ion	Ratio	Lower	Upper
96	100		
61	132.1	0.0	301.2
98	68.4	0.0	130.0

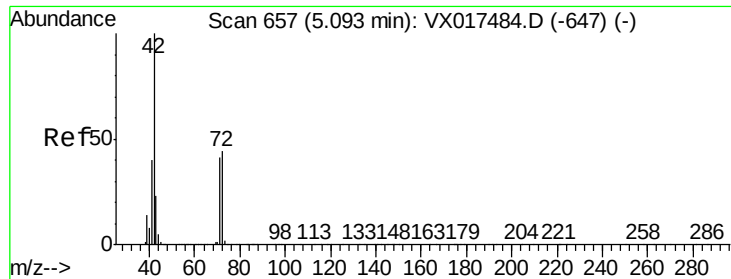


#28

Bromochloromethane
Concen: 0.217 ug/l
RT: 4.96 min Scan# 636
Delta R.T. -0.02 min
Lab File: VX017650.D
Acq: 28 Jul 2020 14:00

Tgt Ion	Ratio	Lower	Upper
49	100		
129	4.0	0.0	4.6
130	10.9	66.7	100.1#

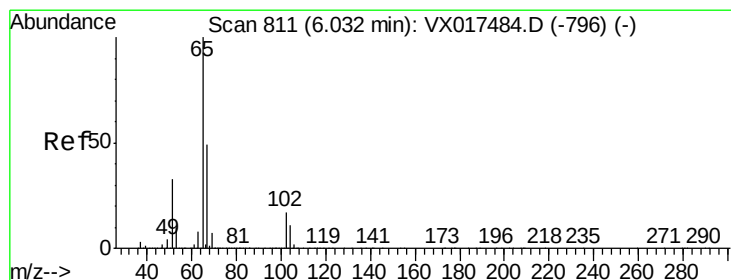
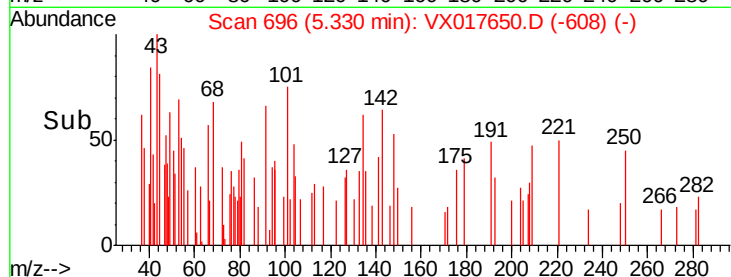
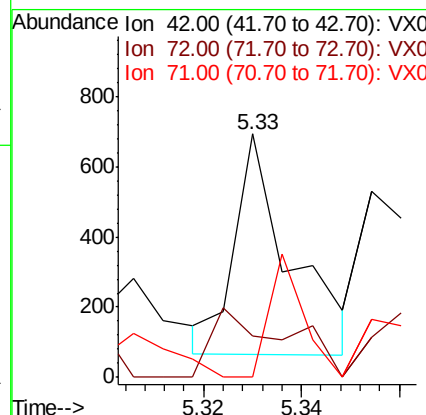
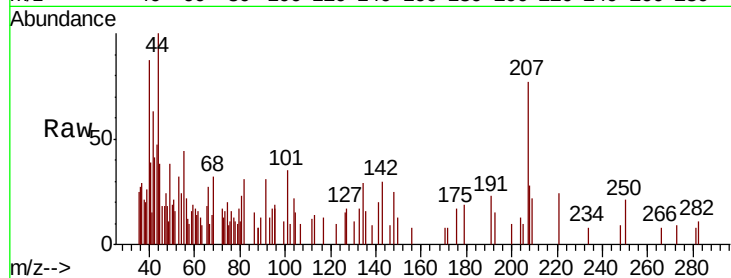




#29
Tetrahydrofuran
Concen: 0.204 ug/l
RT: 5.33 min Scan# 696
Delta R.T. 0.24 min
Lab File: VX017650.D
Acq: 28 Jul 2020 14:00

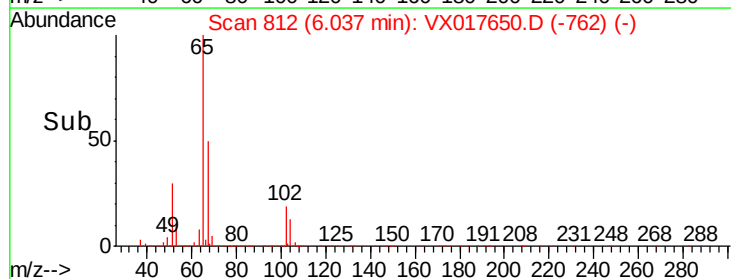
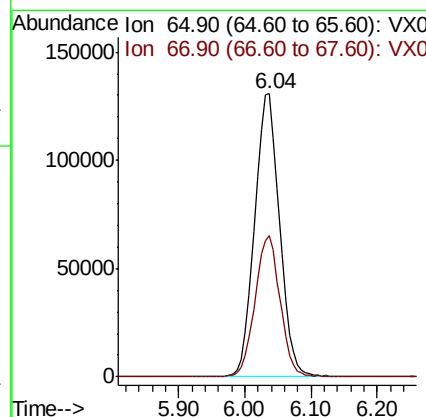
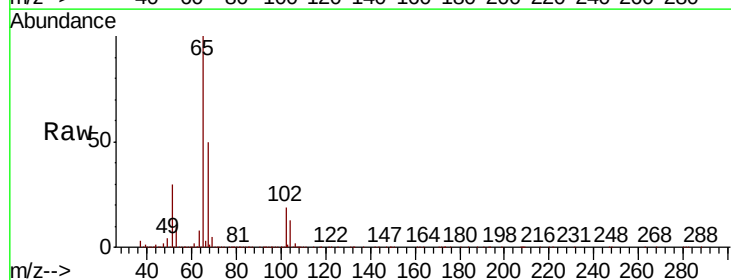
Instrument :
MSVOA_X
ClientSampled :

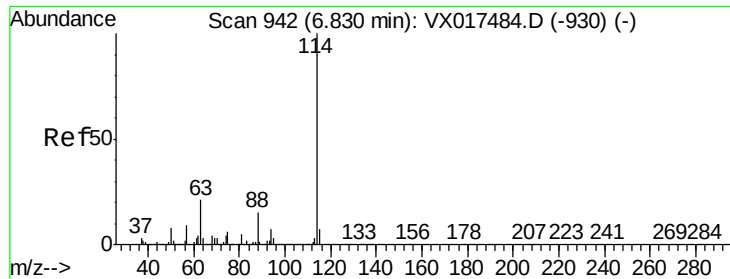
Tot Ion: 42 Resp: 500
Ion Ratio Lower Upper
42 100
72 41.6 35.5 53.3
71 33.6 33.0 49.4



#33
1,2-Dichloroethane-d4
Concen: 54.458 ug/l
RT: 6.04 min Scan# 812
Delta R.T. 0.01 min
Lab File: VX017650.D
Acq: 28 Jul 2020 14:00

Tgt Ion: 65 Resp: 344899
Ion Ratio Lower Upper
65 100
67 49.9 0.0 102.8

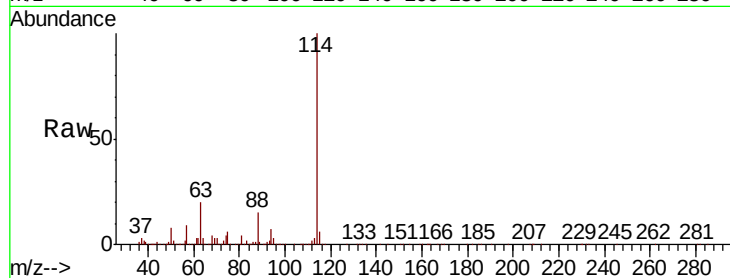




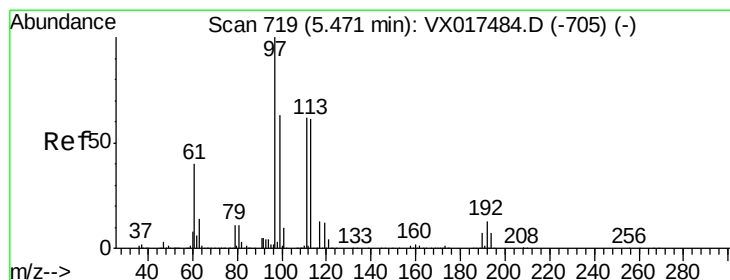
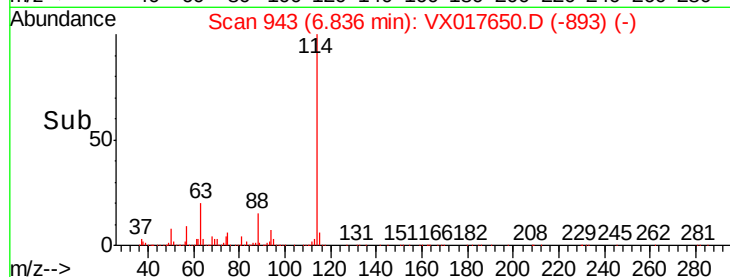
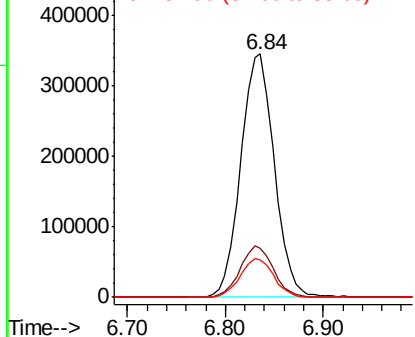
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.84 min Scan# 943
Delta R.T. 0.01 min
Lab File: VX017650.D
Acq: 28 Jul 2020 14:00

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	20.3	0.0	40.6
88	15.4	0.0	33.4

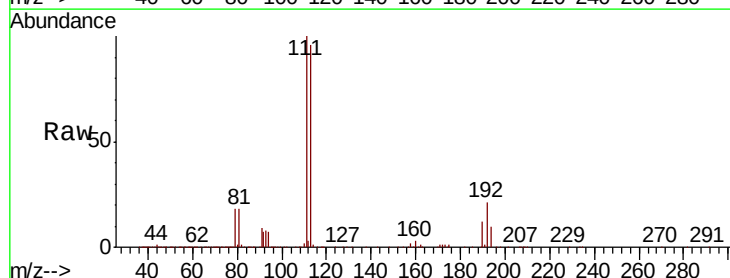


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

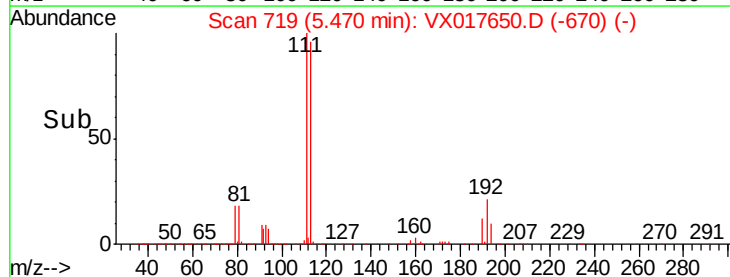
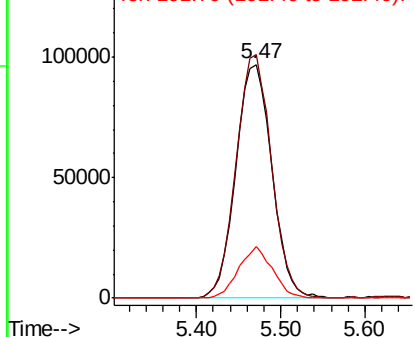


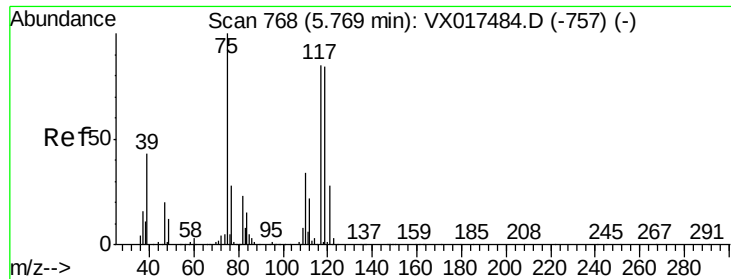
#35
Dibromofluoromethane
Concen: 51.031 ug/l
RT: 5.47 min Scan# 719
Delta R.T. -0.00 min
Lab File: VX017650.D
Acq: 28 Jul 2020 14:00

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.1	80.7	121.1
192	20.8	16.9	25.3



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

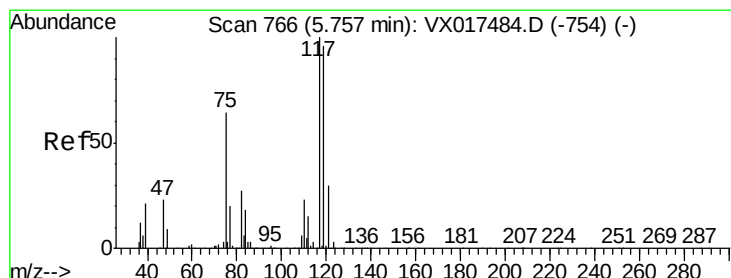
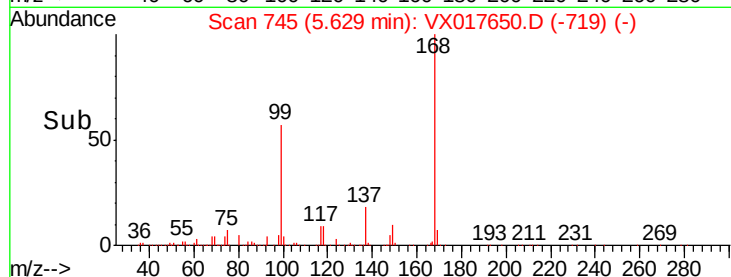
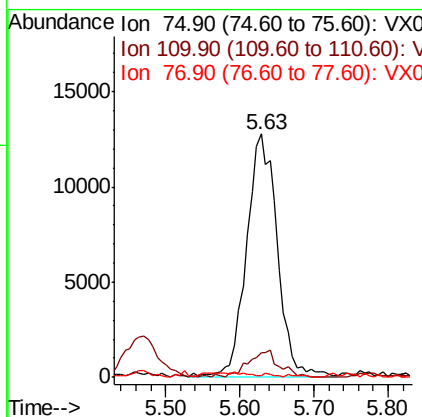
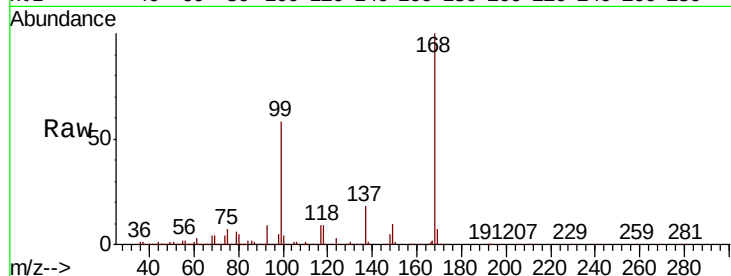




#36
 1,1-Dichloropropene
 Concen: 4.716 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX017650.D
 Acq: 28 Jul 2020 14:00

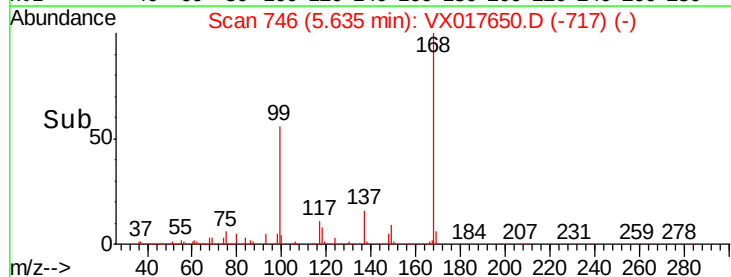
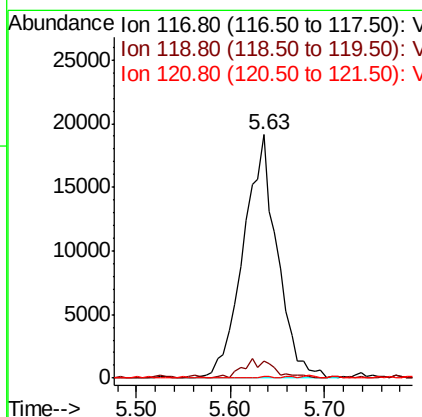
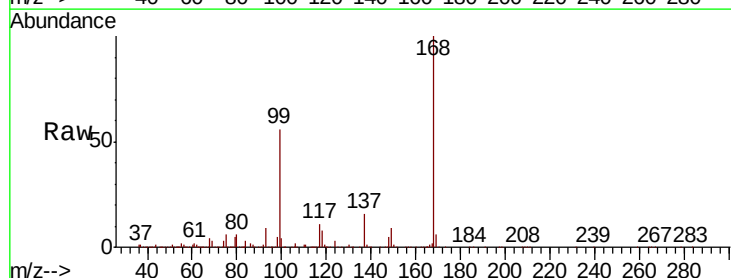
Instrument :
 MSVOA_X
 ClientSampleID :

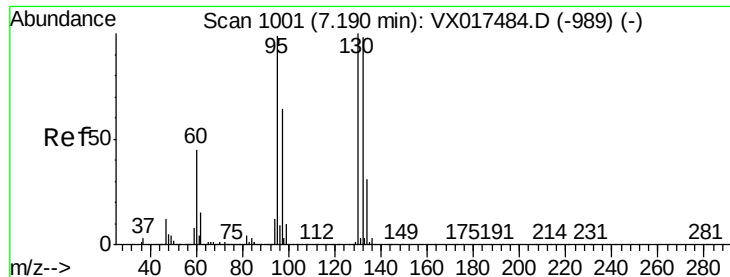
Tot Ion: 75 Resp: 37227
 Ion Ratio Lower Upper
 75 100
 110 10.9 18.1 54.3#
 77 0.6 24.6 37.0#



#38
 Carbon Tetrachloride
 Concen: 5.020 ug/l
 RT: 5.63 min Scan# 746
 Delta R.T. -0.12 min
 Lab File: VX017650.D
 Acq: 28 Jul 2020 14:00

Tgt Ion: 117 Resp: 48123
 Ion Ratio Lower Upper
 117 100
 119 6.3 75.4 113.0#
 121 0.6 24.3 36.5#





#44

Trichloroethene

Concen: 0.363 ug/l

RT: 7.20 min Scan# 1002

Delta R.T. 0.01 min

Lab File: VX017650.D

Acq: 28 Jul 2020 14:00

Instrument :

MSVOA_X

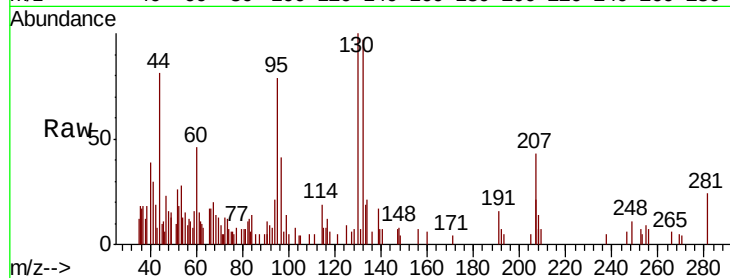
ClientSampled :

Tot Ion:130 Resp: 2404

Ion Ratio Lower Upper

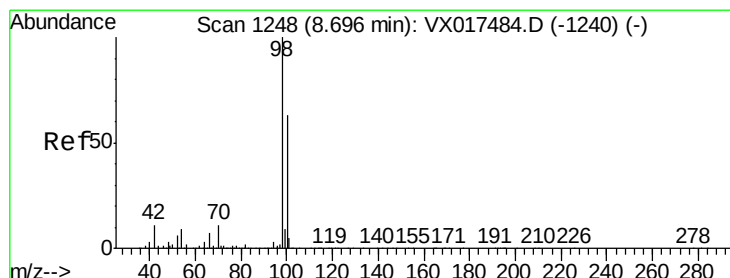
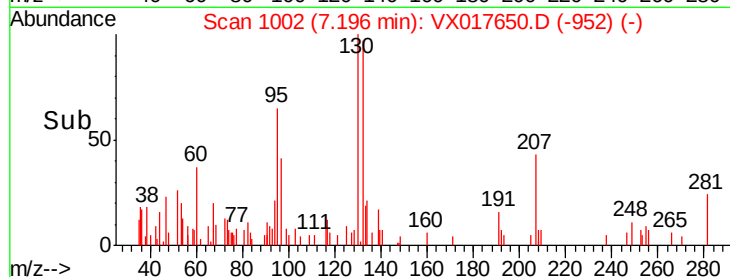
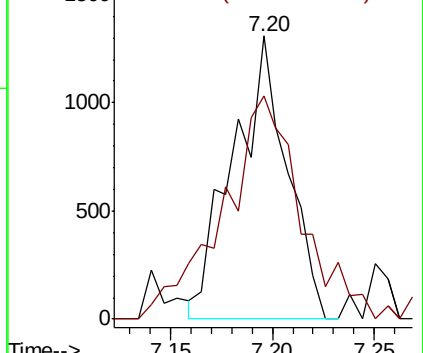
130 100

95 59.3 0.0 189.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#50

Toluene-d8

Concen: 50.880 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX017650.D

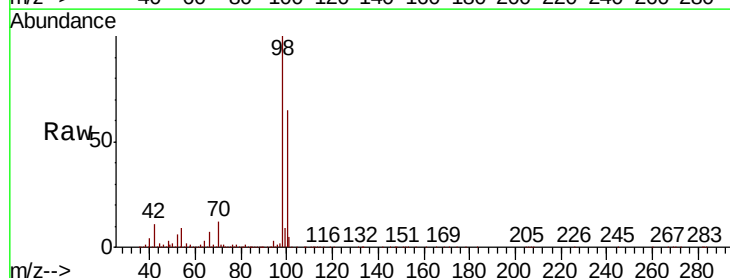
Acq: 28 Jul 2020 14:00

Tgt Ion: 98 Resp: 1010360

Ion Ratio Lower Upper

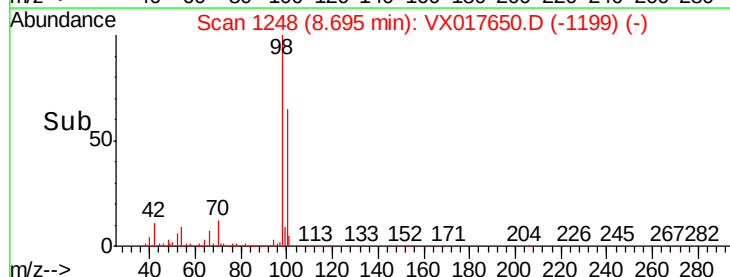
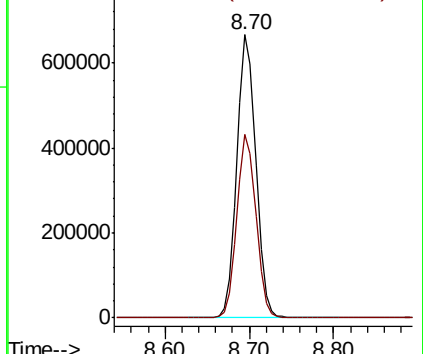
98 100

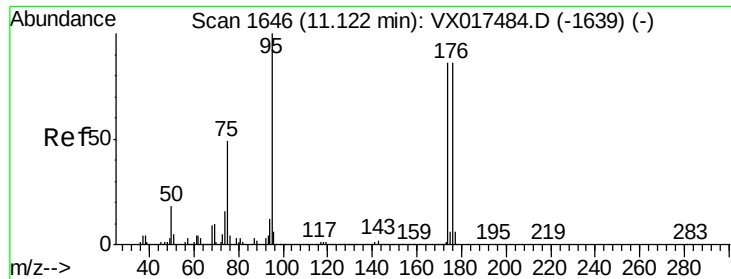
100 64.9 52.3 78.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 56.076 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX017650.D

Acq: 28 Jul 2020 14:00

Instrument :

MSVOA_X

ClientSampleId :

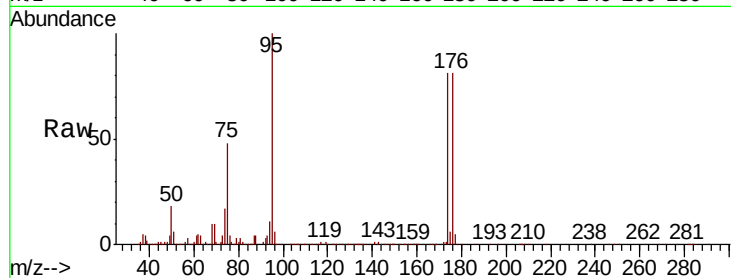
Tot Ion: 95 Resp: 445644

Ion Ratio Lower Upper

95 100

174 83.2 0.0 169.0

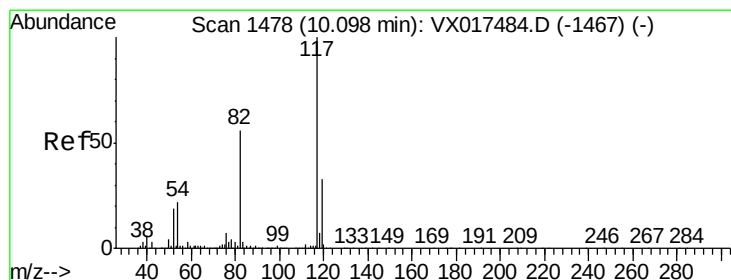
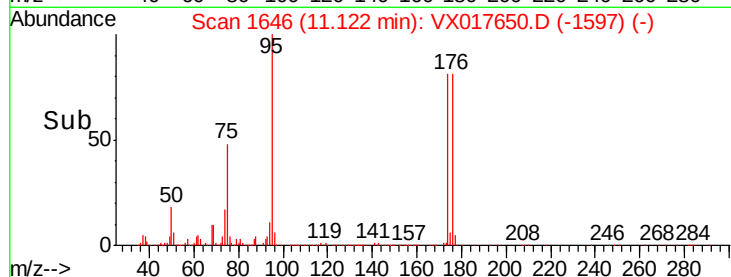
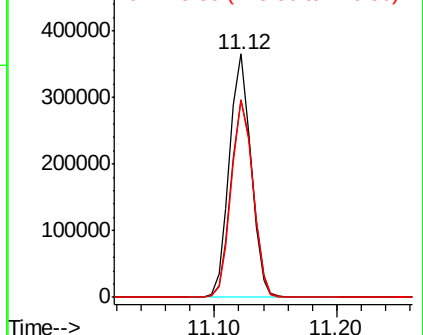
176 80.9 0.0 161.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): VX0

Ion 175.80 (175.50 to 176.50): VX0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX017650.D

Acq: 28 Jul 2020 14:00

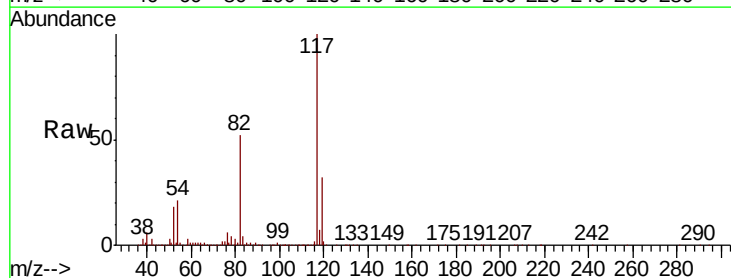
Tgt Ion: 117 Resp: 868156

Ion Ratio Lower Upper

117 100

82 52.2 44.0 66.0

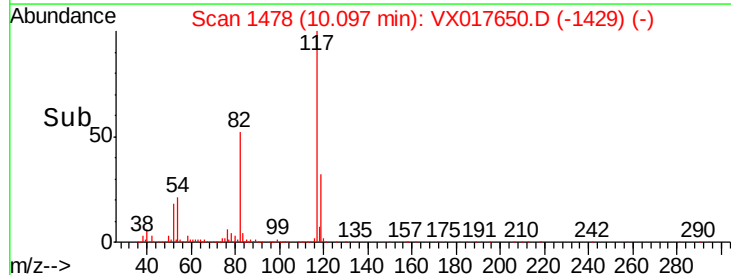
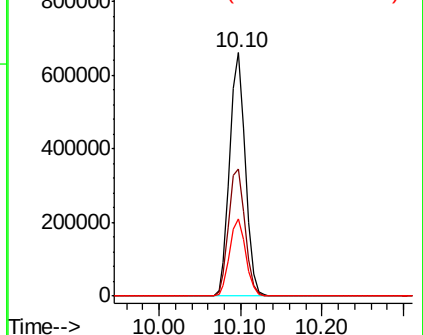
119 31.9 25.4 38.0

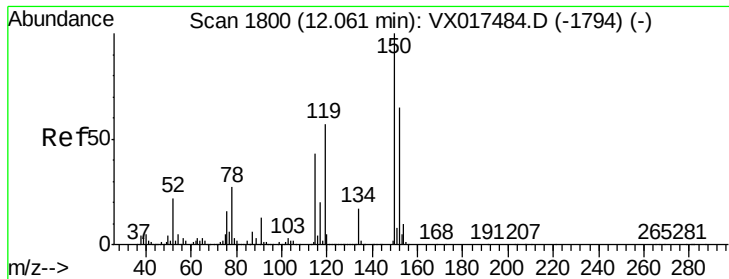


Abundance Ion 116.90 (116.60 to 117.60): VX0

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): VX0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX017650.D

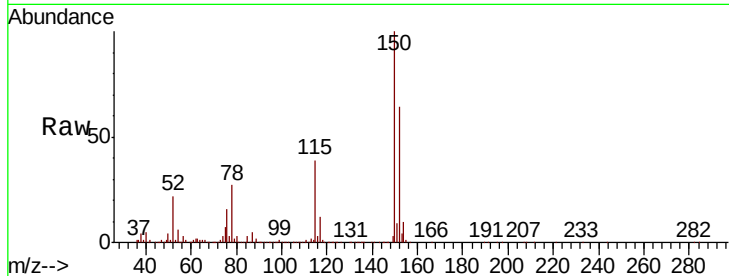
Acq: 28 Jul 2020 14:00

Instrument :

MSVOA_X

ClientSampleId :

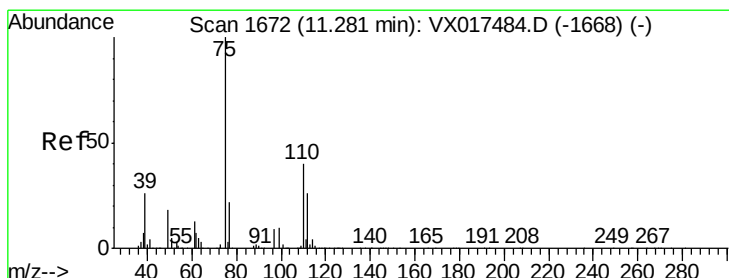
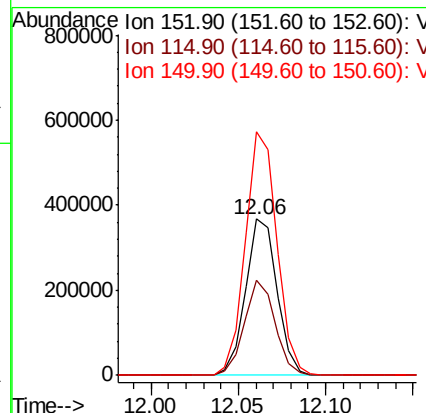
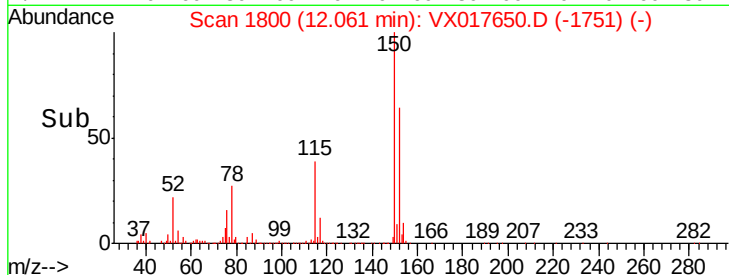
Tot Ion	Ratio	Lower	Upper
152	100		
115	59.2	65.5	196.6#
150	155.8	0.0	412.6



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: 23.645 ug/l

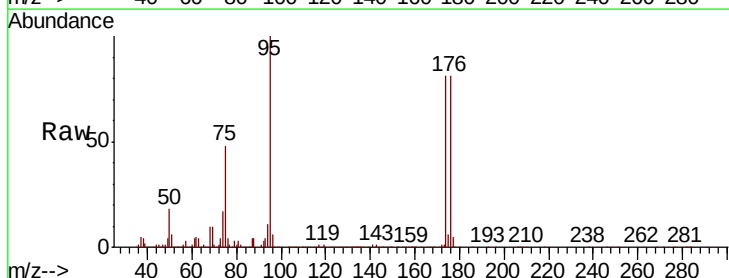
RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017650.D

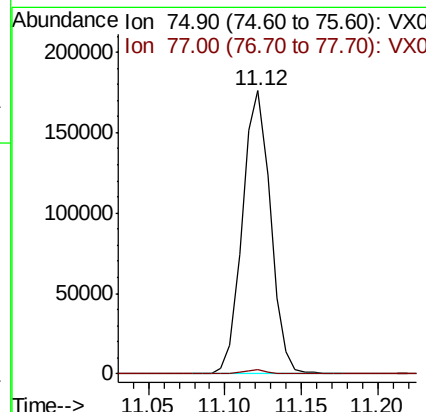
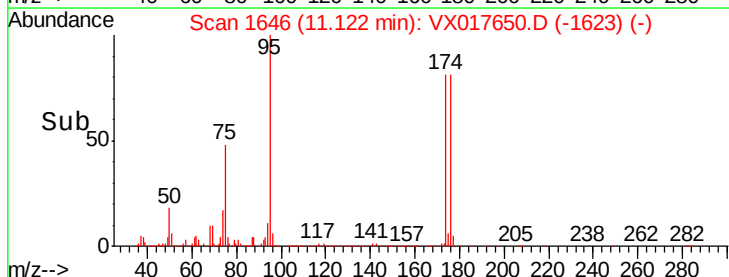
Acq: 28 Jul 2020 14:00

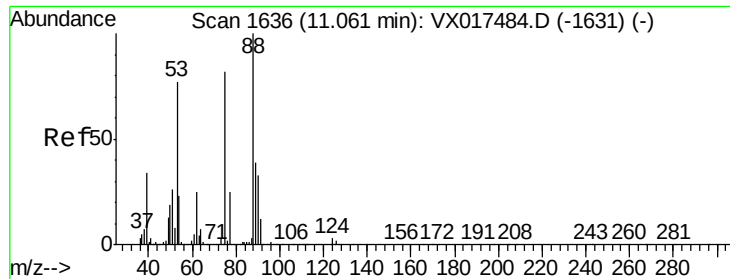
Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.4	21.8	65.3#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 59.580 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX017650.D

Acq: 28 Jul 2020 14:00

Instrument :

MSVOA_X

ClientSampleId :

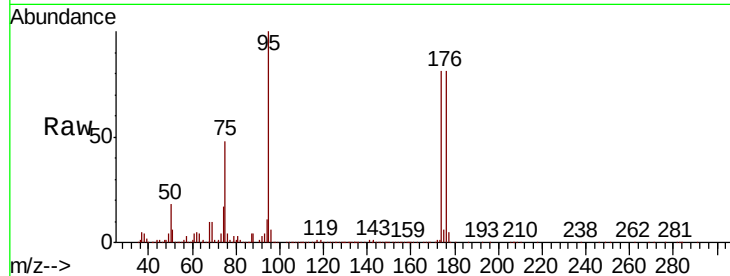
Tot Ion: 75 Resp: 223866

Ion Ratio Lower Upper

75 100

53 0.0 75.9 113.9#

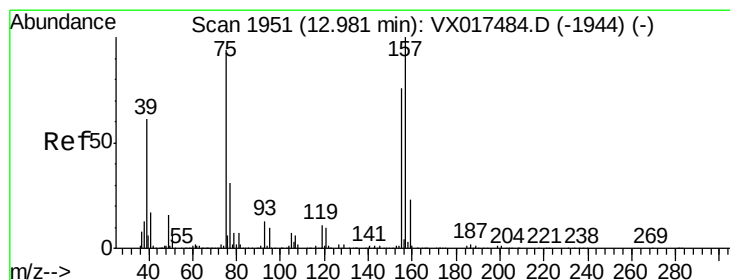
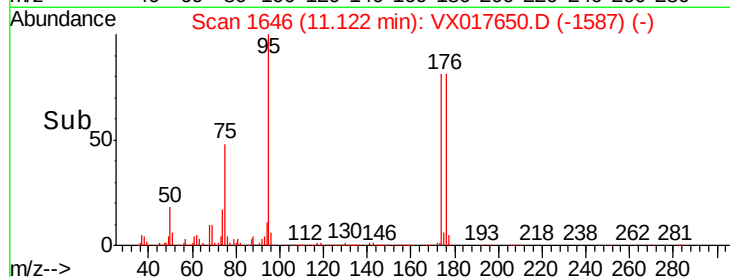
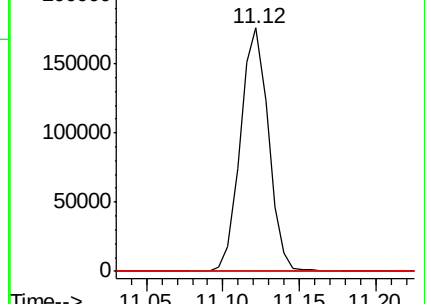
89 0.0 37.8 56.6#



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 2.703 ug/l

RT: 12.99 min Scan# 1953

Delta R.T. 0.01 min

Lab File: VX017650.D

Acq: 28 Jul 2020 14:00

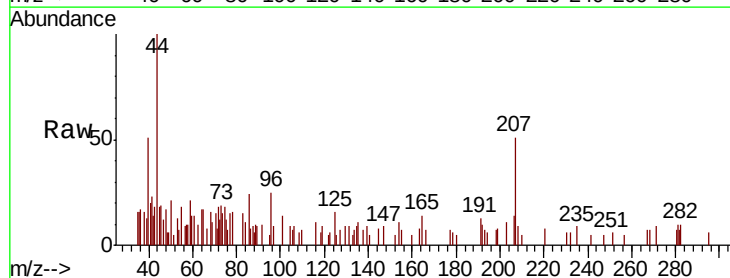
Tgt Ion: 75 Resp: 371

Ion Ratio Lower Upper

75 100

155 7.5 42.3 126.8#

157 17.5 54.3 162.9#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

