

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX072420\
 Data File : VX017592.D
 Acq On : 25 Jul 2020 13:43
 Operator : JC/SP
 Sample : L3371-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 66 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 27 01:13:47 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	447523	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	699949	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	723472	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	436515	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	300717	52.31	ug/l	0.00
Spiked Amount			Recovery	=	104.62%	
35) Dibromofluoromethane	5.47	113	247719	52.92	ug/l	0.00
Spiked Amount			Recovery	=	105.84%	
50) Toluene-d8	8.70	98	852764	50.50	ug/l	0.00
Spiked Amount			Recovery	=	101.00%	
62) 4-Bromofluorobenzene	11.12	95	412968	61.10	ug/l	0.00
Spiked Amount			Recovery	=	122.20%	

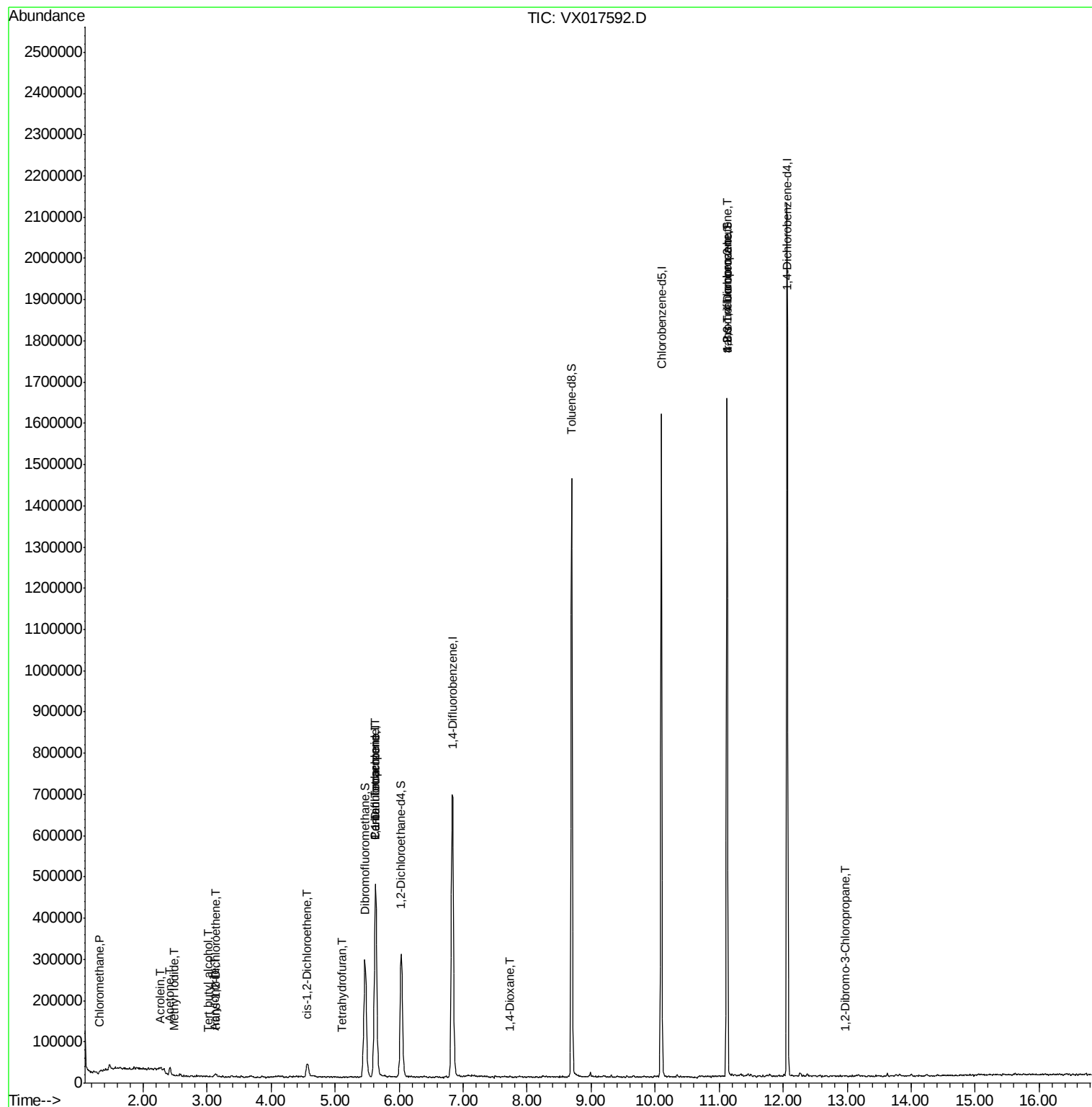
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	501	Below Cal		84
3) Chloromethane	1.31	50	1671	0.667 ug/l #		72
5) Bromomethane	1.64	94	1313	Below Cal #		47
6) Chloroethane	1.73	64	481	Below Cal		93
8) Diethyl Ether	2.18	74	785	Below Cal		65
10) Methyl Iodide	2.50	142	1432	0.230 ug/l #		88
11) Tert butyl alcohol	3.01	59	1315	1.085 ug/l #		76
13) Acrolein	2.27	56	622	4.810 ug/l #		14
15) Acrylonitrile	3.12	53	797	0.305 ug/l #		56
16) Acetone	2.42	43	20578	8.133 ug/l		94
20) Methylene Chloride	2.83	84	936	Below Cal #		74
21) trans-1,2-Dichloroethene	3.14	96	2705	0.546 ug/l #		49
27) cis-1,2-Dichloroethene	4.57	96	20775	3.863 ug/l		84
29) Tetrahydrofuran	5.10	42	611	0.274 ug/l #		60
36) 1,1-Dichloropropene	5.63	75	33789	5.033 ug/l #		53
38) Carbon Tetrachloride	5.63	117	47425	5.817 ug/l #		18
49) 1,4-Dioxane	7.73	88	117	1.016 ug/l #		1
76) 1,2,3-Trichloropropane	11.12	75	209263	23.305 ug/l #		35
81) trans-1,4-Dichloro-2-buten	11.12	75	209263	58.723 ug/l #		12
92) 1,2-Dibromo-3-Chloropropan	12.98	75	108	2.615 ug/l		65

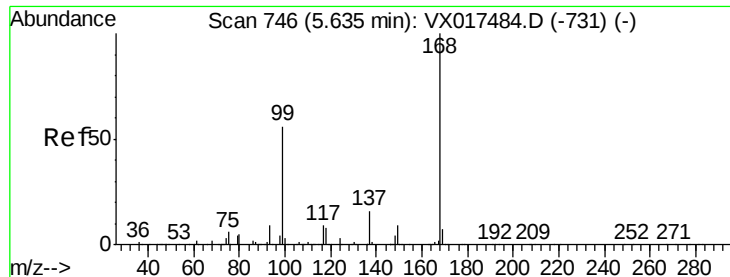
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX072420\
Data File : VX017592.D
Acq On : 25 Jul 2020 13:43
Operator : JC/SP
Sample : L3371-03
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 66 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Jul 27 01:13:47 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# 745

Delta R.T. -0.01 min

Lab File: VX017592.D

Acq: 25 Jul 2020 13:43

Instrument :

MSVOA_X

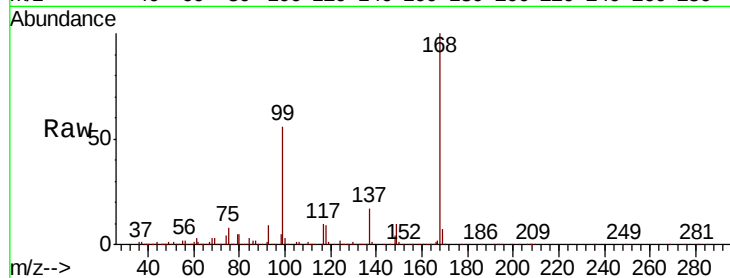
ClientSampleId :

Tot Ion:168 Resp: 447523

Ion Ratio Lower Upper

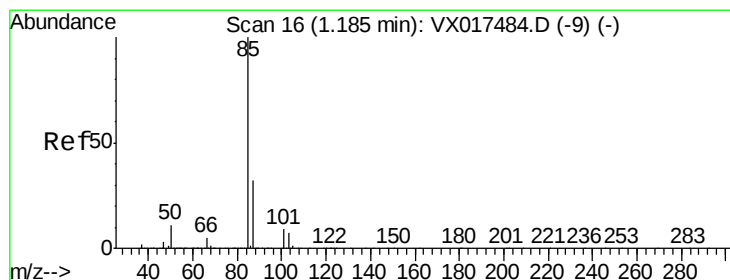
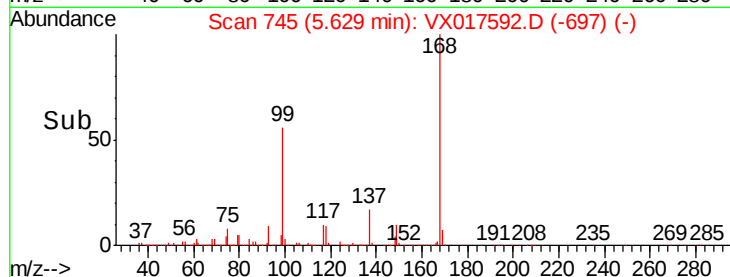
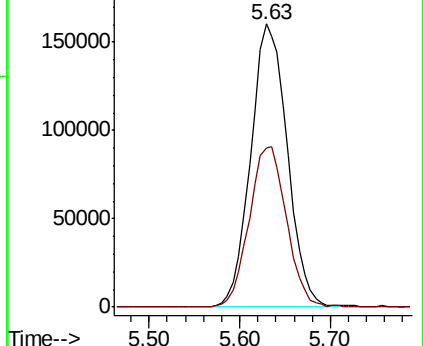
168 100

99 56.2 43.4 65.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.19 min Scan# 17

Delta R.T. 0.01 min

Lab File: VX017592.D

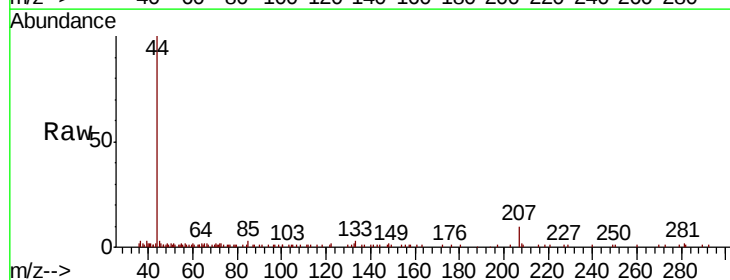
Acq: 25 Jul 2020 13:43

Tgt Ion: 85 Resp: 501

Ion Ratio Lower Upper

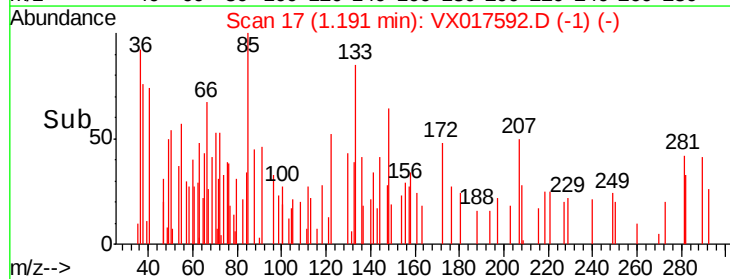
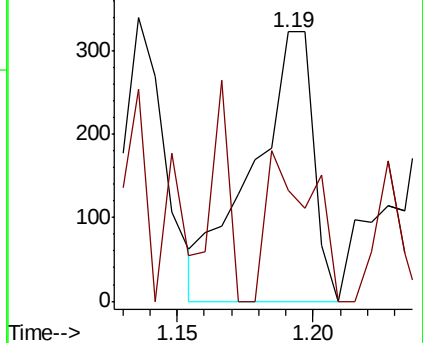
85 100

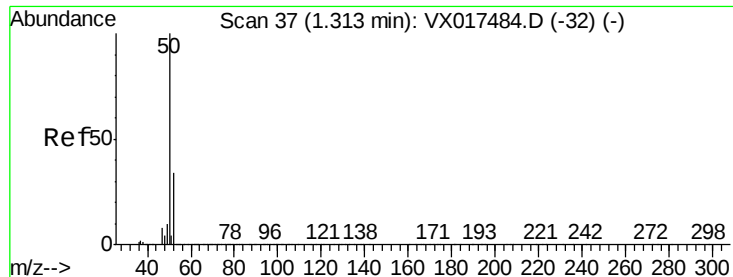
87 41.2 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 0.667 ug/l

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX017592.D

Acq: 25 Jul 2020 13:43

Instrument :

MSVOA_X

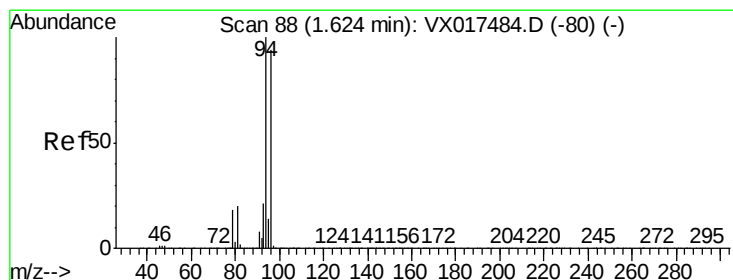
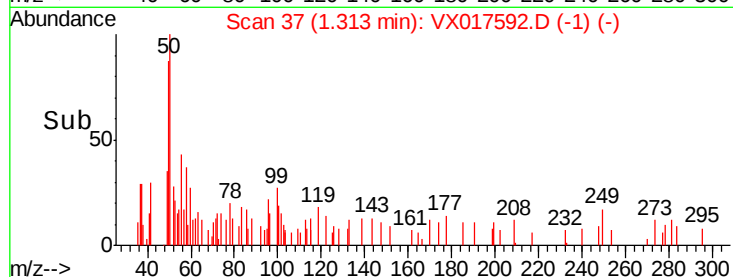
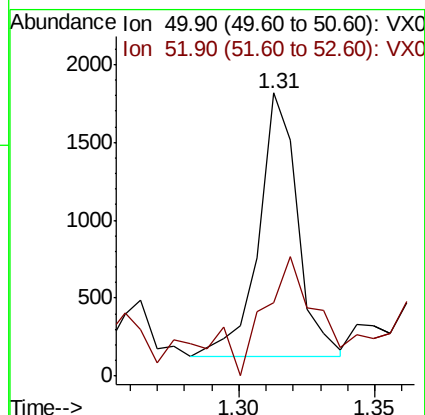
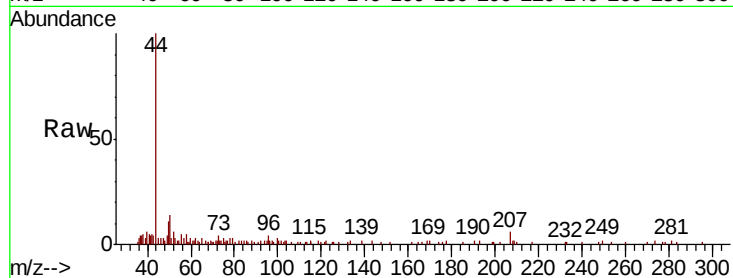
ClientSampleId :

Tot Ion: 50 Resp: 1671

Ion Ratio Lower Upper

50 100

52 16.9 25.9 38.9#



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 90

Delta R.T. 0.01 min

Lab File: VX017592.D

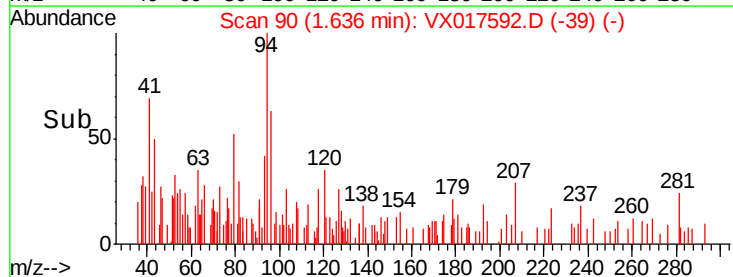
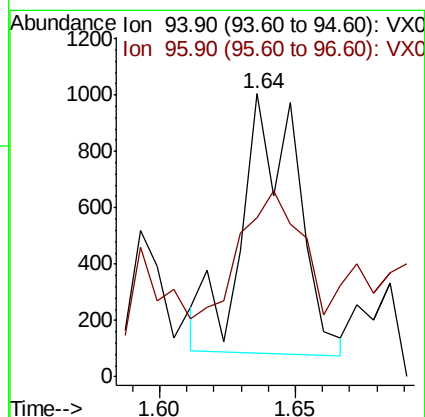
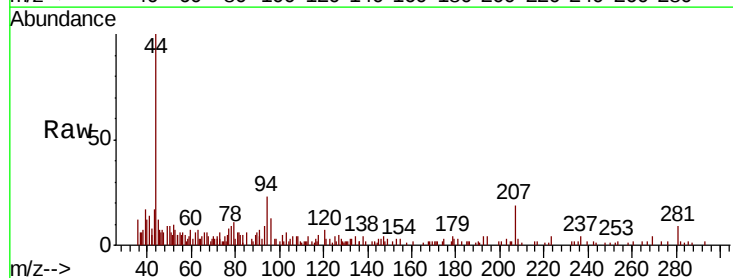
Acq: 25 Jul 2020 13:43

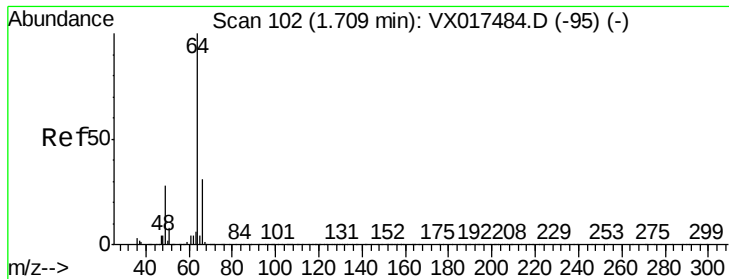
Tgt Ion: 94 Resp: 1313

Ion Ratio Lower Upper

94 100

96 41.6 74.1 111.1#





#6

Chloroethane

Concen: Below Cal

RT: 1.73 min Scan# 105

Delta R.T. 0.02 min

Lab File: VX017592.D

Acq: 25 Jul 2020 13:43

Instrument :

MSVOA_X

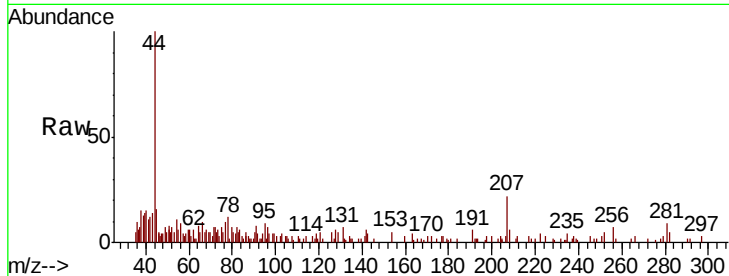
ClientSampleId :

Tot Ion: 64 Resp: 481

Ion Ratio Lower Upper

64 100

66 35.2 24.9 37.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

600

500

400

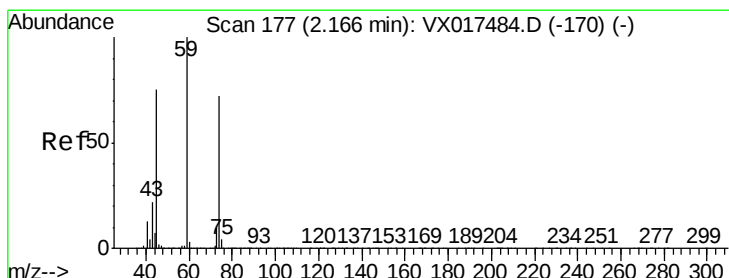
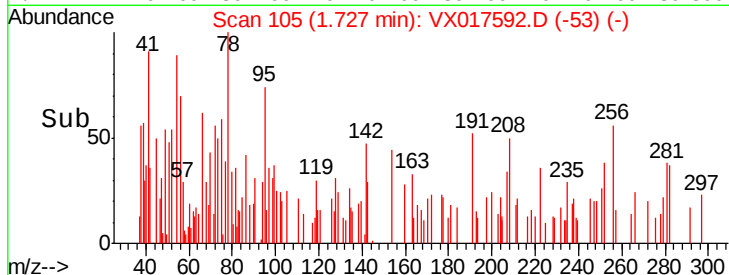
300

200

100

0

Time-->



#8

Diethyl Ether

Concen: Below Cal

RT: 2.18 min Scan# 179

Delta R.T. 0.01 min

Lab File: VX017592.D

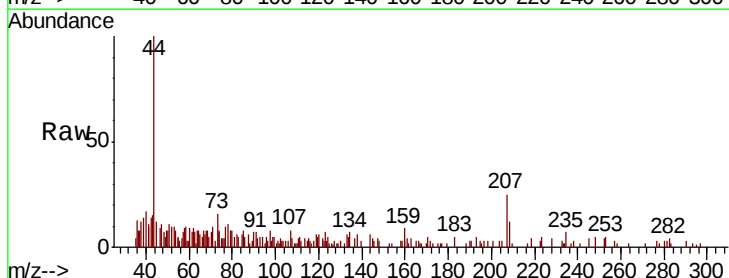
Acq: 25 Jul 2020 13:43

Tgt Ion: 74 Resp: 785

Ion Ratio Lower Upper

74 100

45 137.3 50.8 152.5



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

800

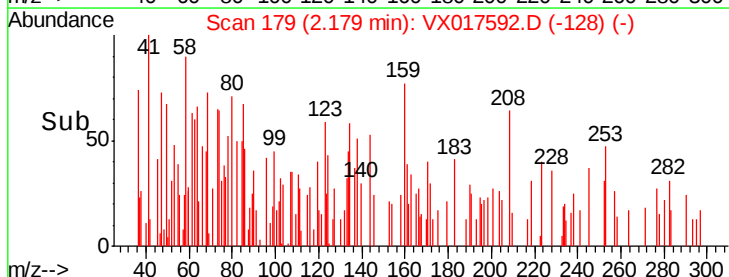
600

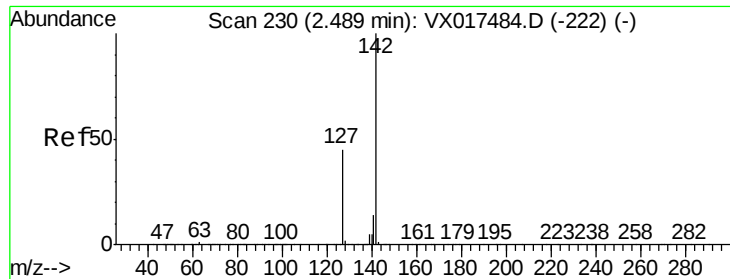
400

200

0

Time-->

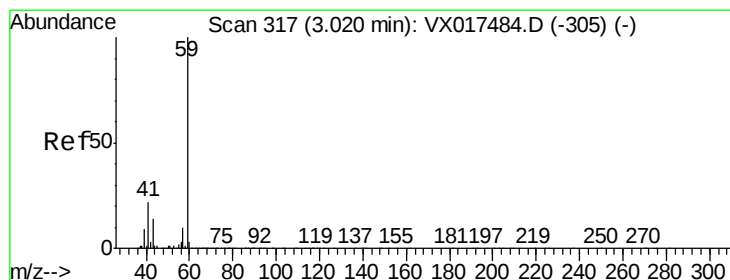
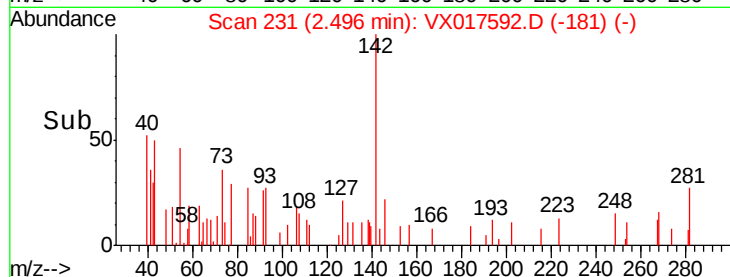
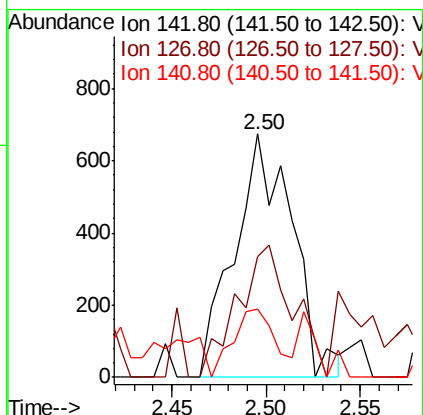
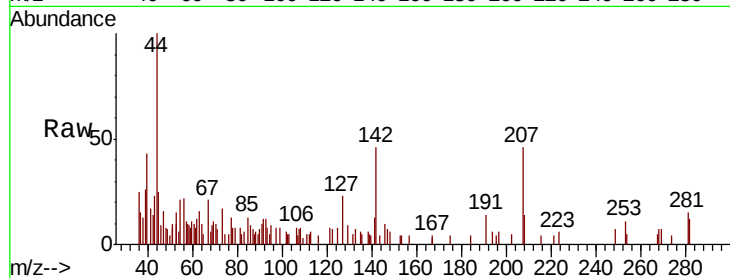




#10
Methyl Iodide
Concen: 0.230 ug/l
RT: 2.50 min Scan# 231
Delta R.T. 0.01 min
Lab File: VX017592.D
Acq: 25 Jul 2020 13:43

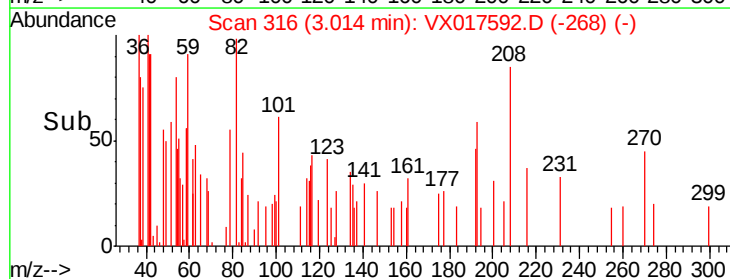
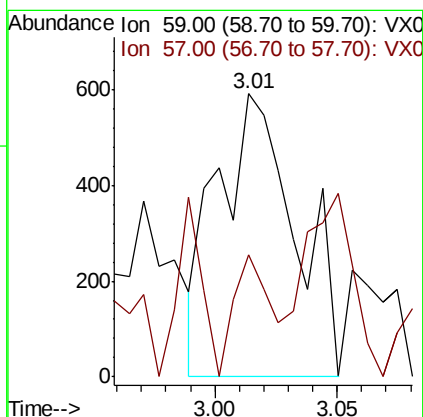
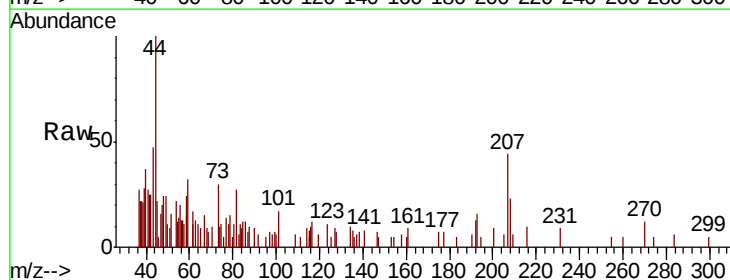
Instrument :
MSVOA_X
ClientSampled :

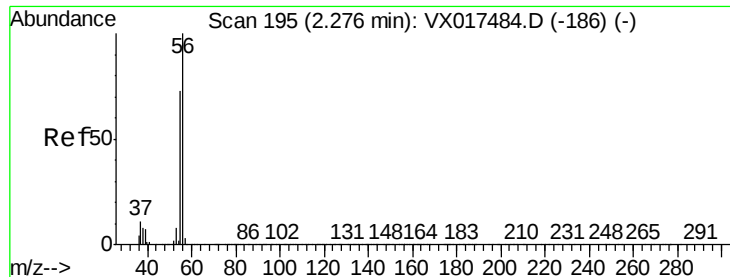
Tot Ion:142 Resp: 1432
Ion Ratio Lower Upper
142 100
127 52.1 35.9 53.9
141 20.7 11.4 17.0#



#11
Tert butyl alcohol
Concen: 1.085 ug/l
RT: 3.01 min Scan# 316
Delta R.T. -0.01 min
Lab File: VX017592.D
Acq: 25 Jul 2020 13:43

Tgt Ion: 59 Resp: 1315
Ion Ratio Lower Upper
59 100
57 19.8 8.6 12.8#

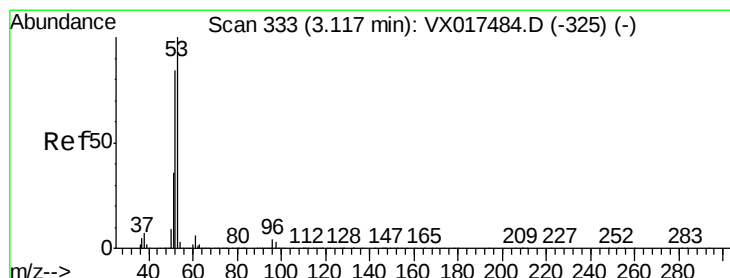
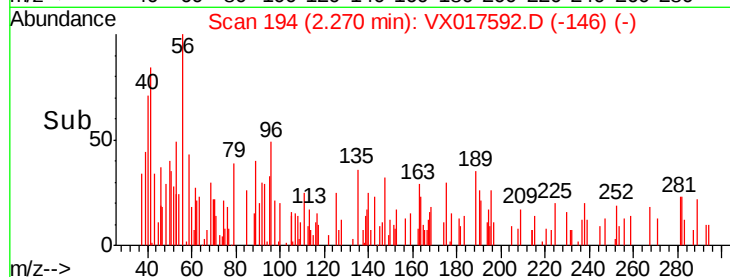
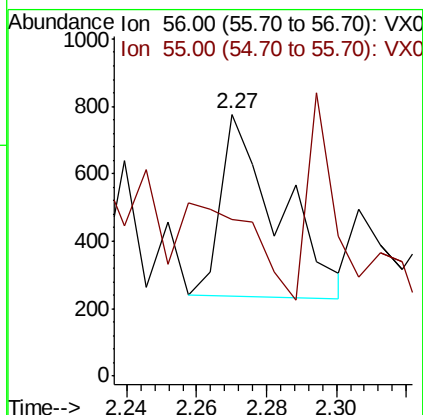
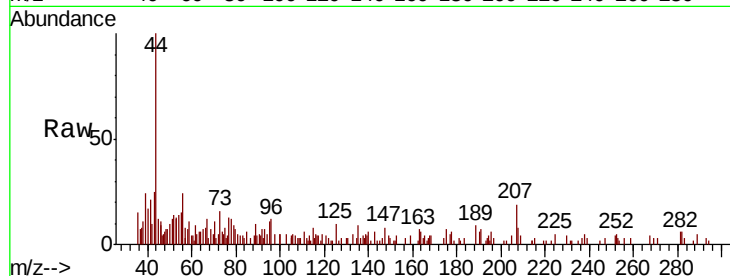




#13
Acrolein
Concen: 4.810 ug/l
RT: 2.27 min Scan# 194
Delta R.T. -0.01 min
Lab File: VX017592.D
Acq: 25 Jul 2020 13:43

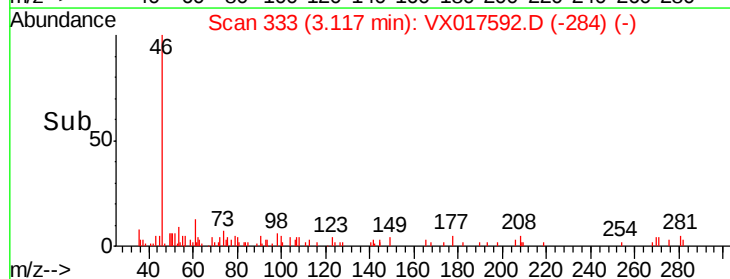
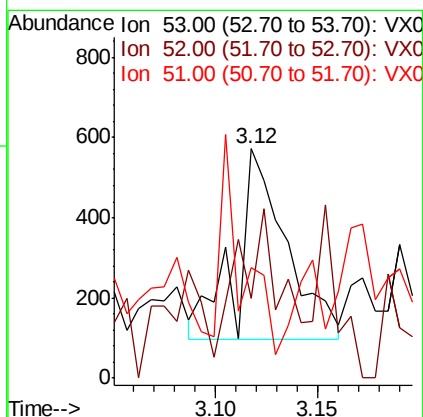
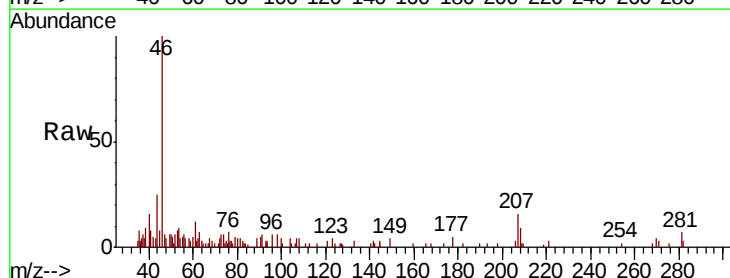
Instrument :
MSVOA_X
ClientSampleId :

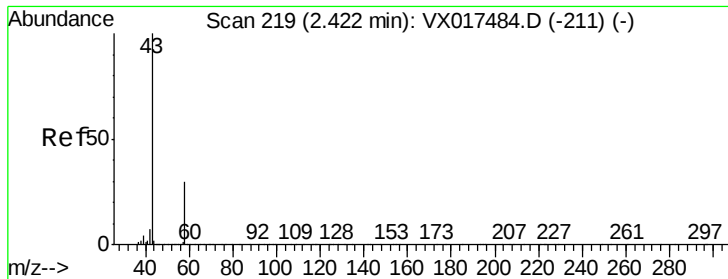
Tot Ion: 56 Resp: 622
Ion Ratio Lower Upper
56 100
55 0.0 57.4 86.2#



#15
Acrylonitrile
Concen: 0.305 ug/l
RT: 3.12 min Scan# 333
Delta R.T. -0.00 min
Lab File: VX017592.D
Acq: 25 Jul 2020 13:43

Tgt Ion: 53 Resp: 797
Ion Ratio Lower Upper
53 100
52 33.8 66.6 99.8#
51 48.9 29.4 44.2#

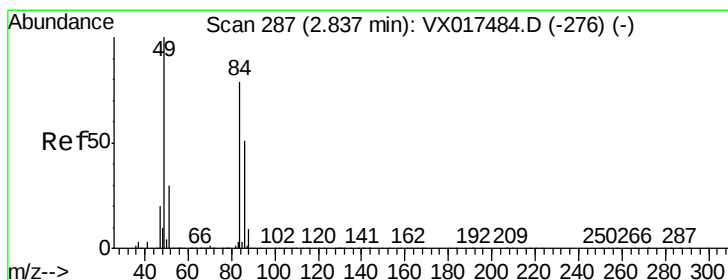
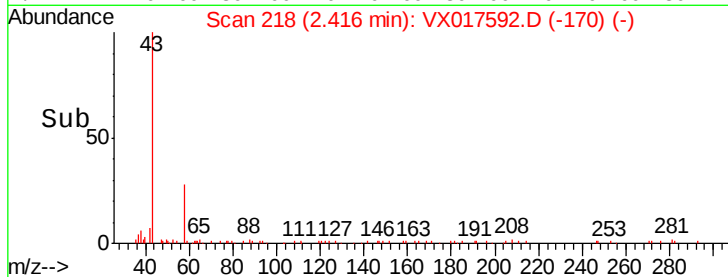
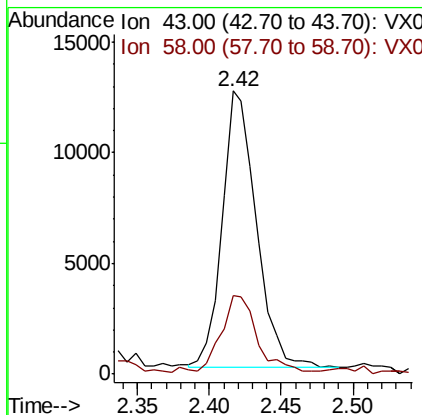
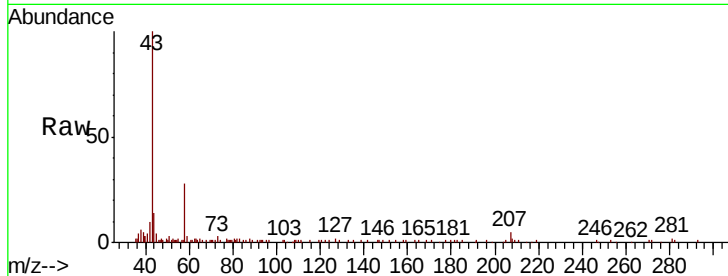




#16
Acetone
Concen: 8.133 ug/l
RT: 2.42 min Scan# 218
Delta R.T. -0.01 min
Lab File: VX017592.D
Acq: 25 Jul 2020 13:43

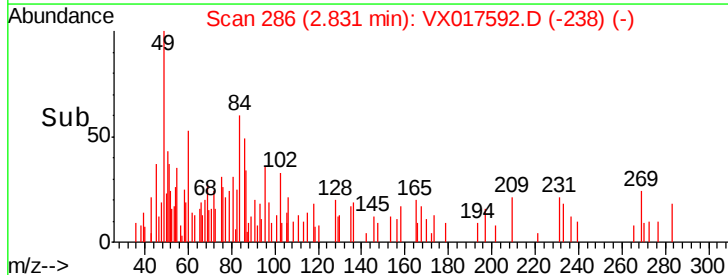
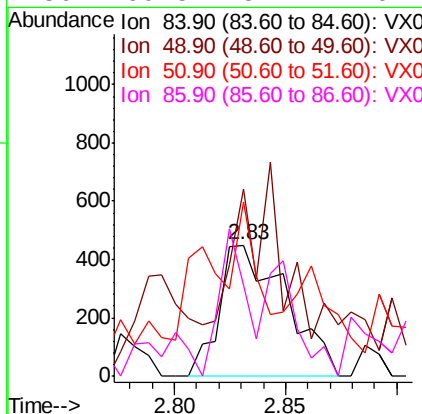
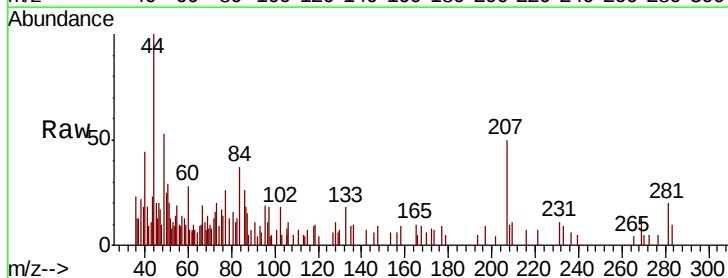
Instrument :
MSVOA_X
ClientSampled :

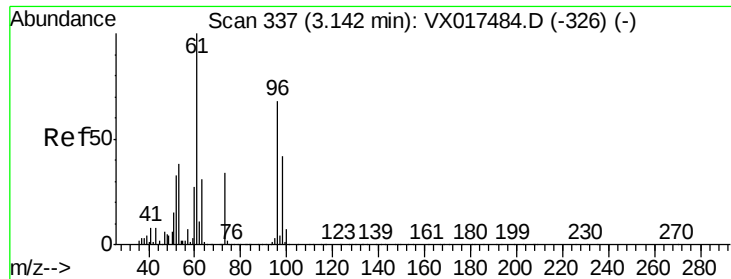
Tot Ion: 43 Resp: 20578
Ion Ratio Lower Upper
43 100
58 27.0 24.2 36.4



#20
Methylene Chloride
Concen: Below Cal
RT: 2.83 min Scan# 286
Delta R.T. -0.01 min
Lab File: VX017592.D
Acq: 25 Jul 2020 13:43

Tgt Ion: 84 Resp: 936
Ion Ratio Lower Upper
84 100
49 103.8 100.3 150.5
51 86.4 30.5 45.7#
86 69.5 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 0.546 ug/l

RT: 3.14 min Scan# 336

Delta R.T. -0.01 min

Lab File: VX017592.D

Acq: 25 Jul 2020 13:43

Instrument :

MSVOA_X

ClientSampleId :

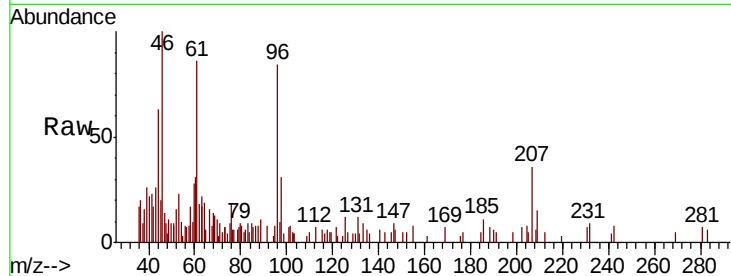
Tot Ion: 96 Resp: 2705

Ion Ratio Lower Upper

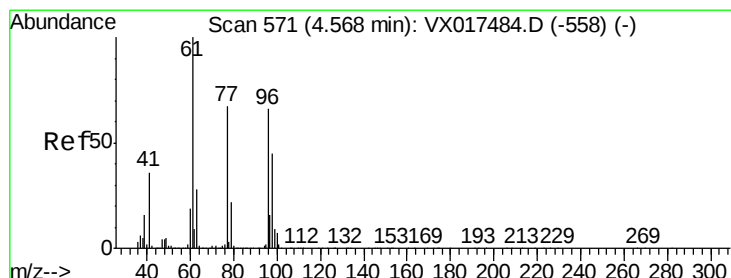
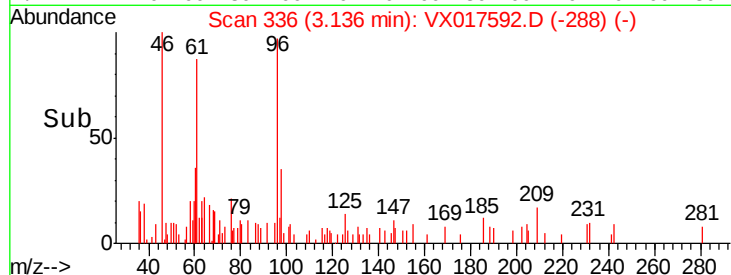
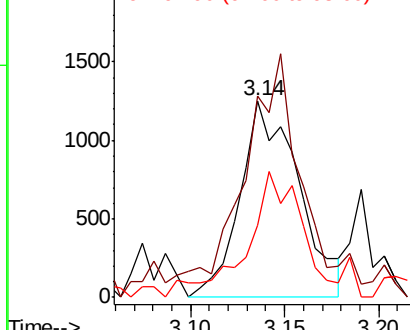
96 100

61 76.3 113.0 169.4#

98 29.1 51.8 77.8#



Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



#27

cis-1,2-Dichloroethene

Concen: 3.863 ug/l

RT: 4.57 min Scan# 571

Delta R.T. -0.00 min

Lab File: VX017592.D

Acq: 25 Jul 2020 13:43

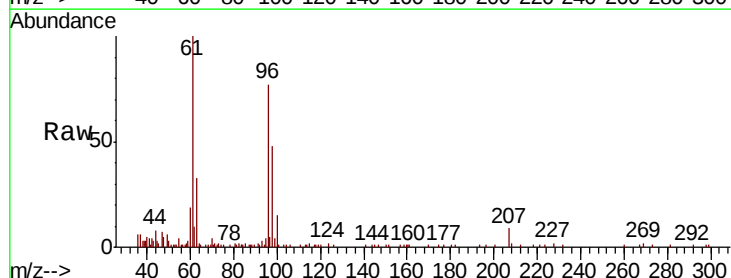
Tgt Ion: 96 Resp: 20775

Ion Ratio Lower Upper

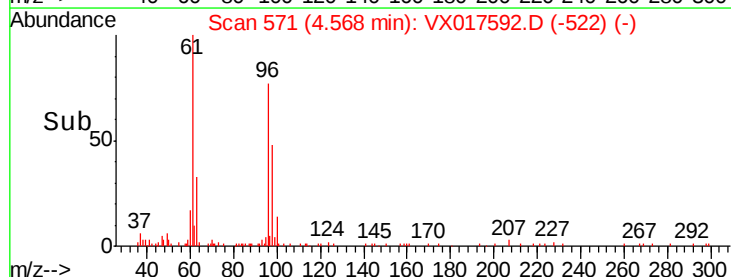
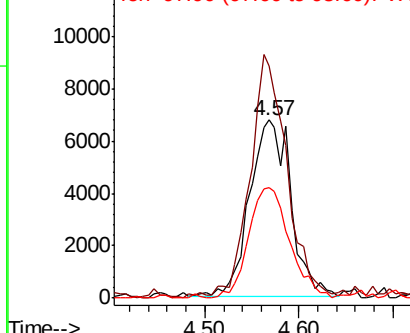
96 100

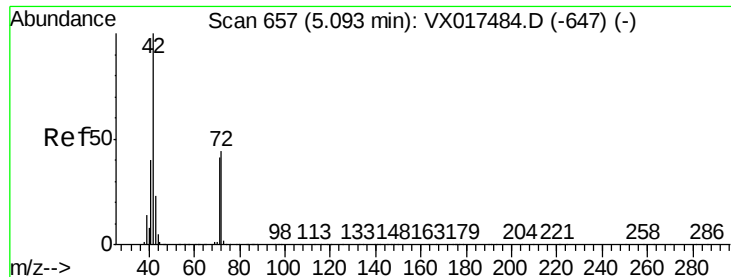
61 123.4 0.0 301.2

98 62.1 0.0 130.0



Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0

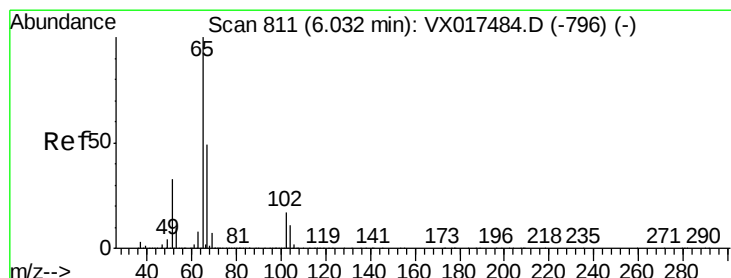
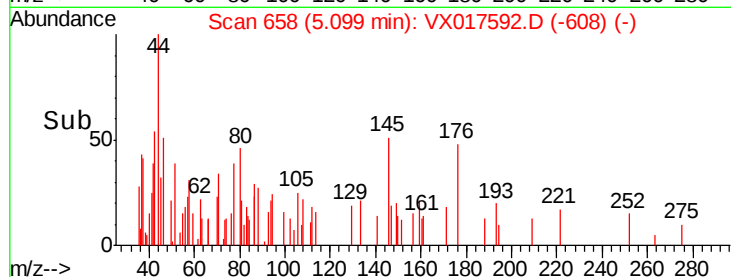
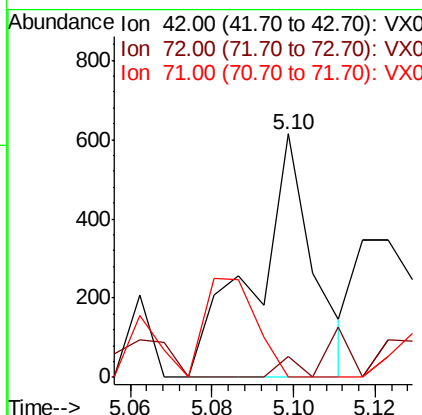
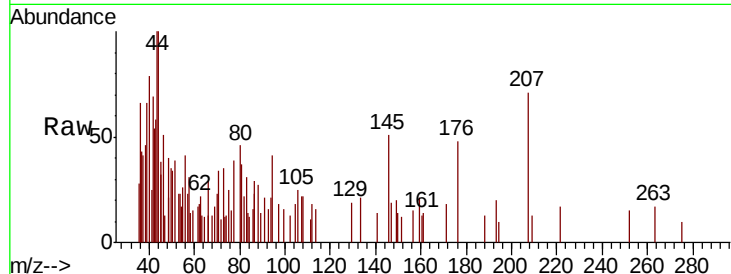




#29
Tetrahydrofuran
Concen: 0.274 ug/l
RT: 5.10 min Scan# 658
Delta R.T. 0.01 min
Lab File: VX017592.D
Acq: 25 Jul 2020 13:43

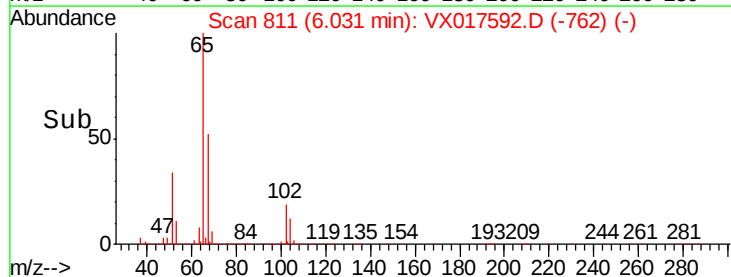
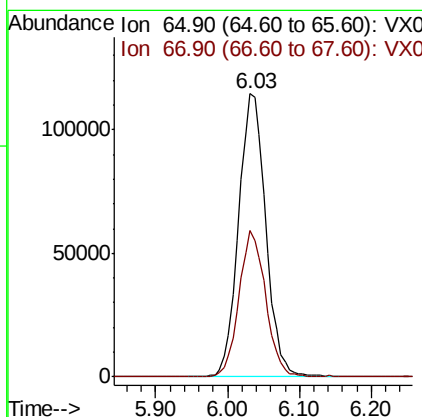
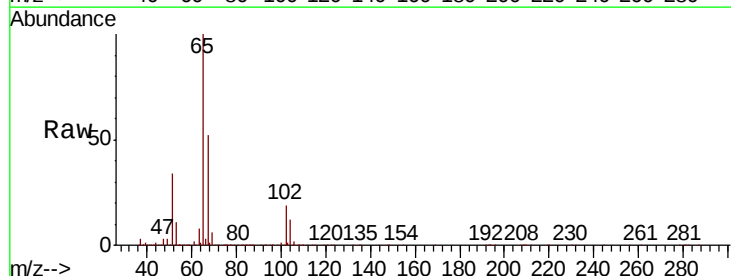
Instrument :
MSVOA_X
ClientSampled :

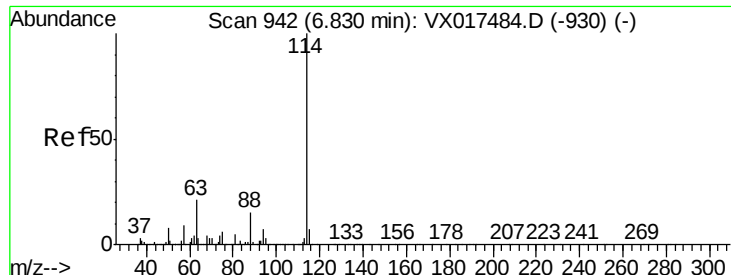
Tot Ion: 42 Resp: 611
Ion Ratio Lower Upper
42 100
72 0.0 35.5 53.3#
71 35.8 33.0 49.4



#33
1,2-Dichloroethane-d4
Concen: 52.311 ug/l
RT: 6.03 min Scan# 811
Delta R.T. -0.00 min
Lab File: VX017592.D
Acq: 25 Jul 2020 13:43

Tgt Ion: 65 Resp: 300717
Ion Ratio Lower Upper
65 100
67 50.6 0.0 102.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX017592.D

Acq: 25 Jul 2020 13:43

Instrument :

MSVOA_X

ClientSampleId :

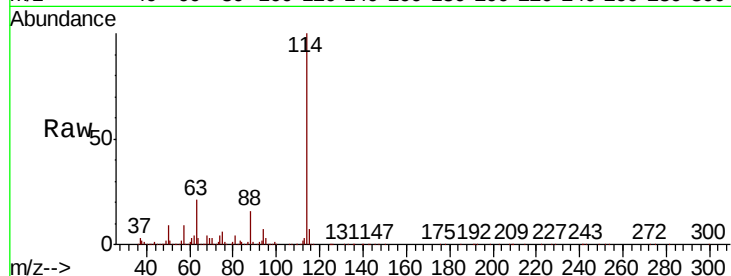
Tot Ion:114 Resp: 699949

Ion Ratio Lower Upper

114 100

63 21.0 0.0 40.6

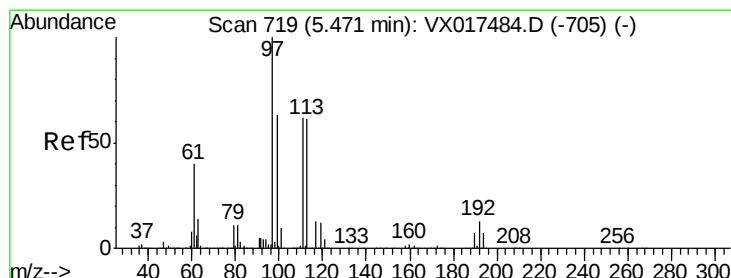
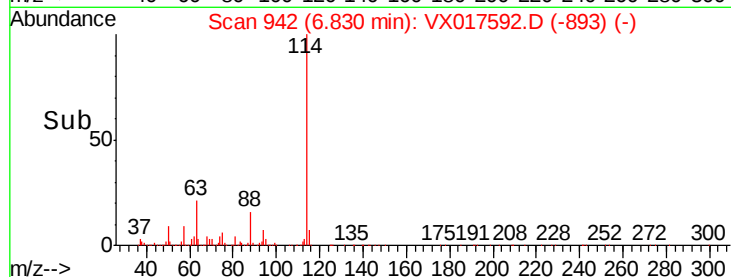
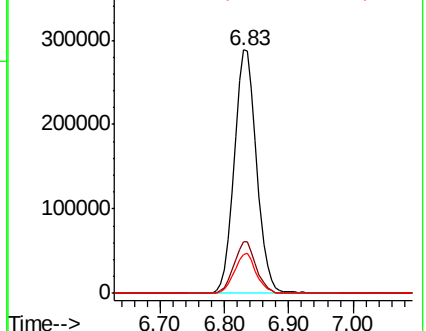
88 15.7 0.0 33.4



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: 52.917 ug/l

RT: 5.47 min Scan# 719

Delta R.T. -0.00 min

Lab File: VX017592.D

Acq: 25 Jul 2020 13:43

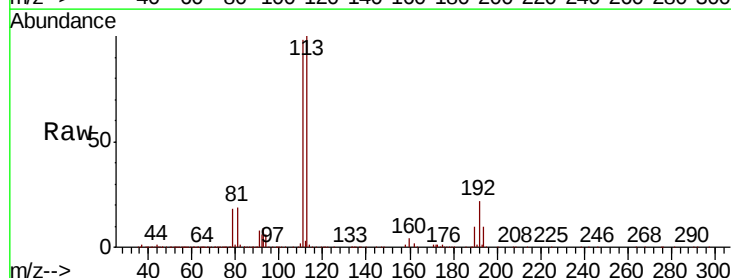
Tgt Ion:113 Resp: 247719

Ion Ratio Lower Upper

113 100

111 102.4 80.7 121.1

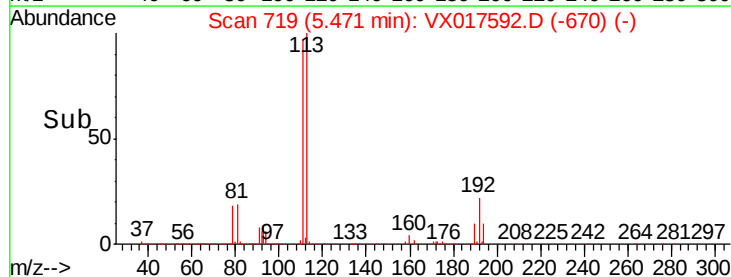
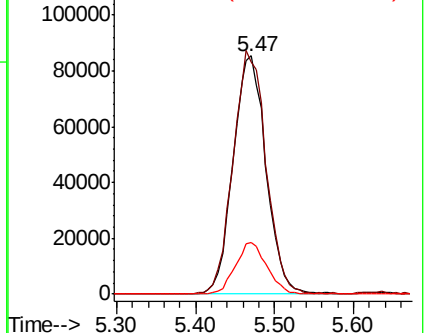
192 20.8 16.9 25.3

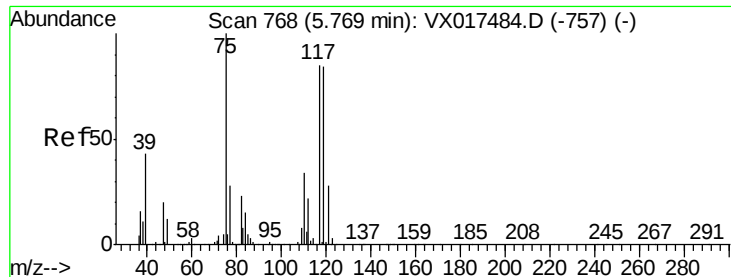


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.033 ug/l

RT: 5.63 min Scan# 745

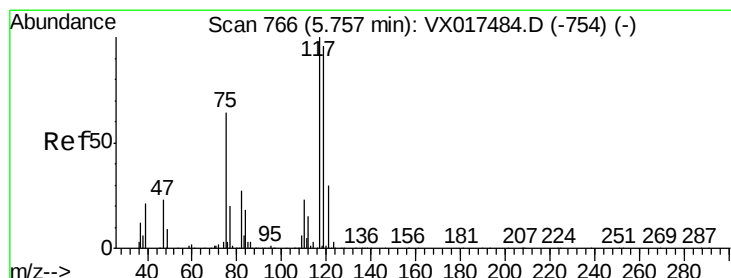
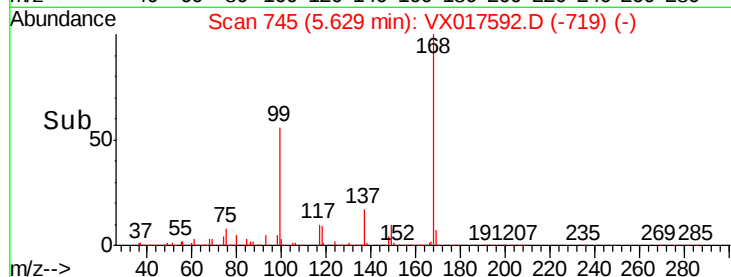
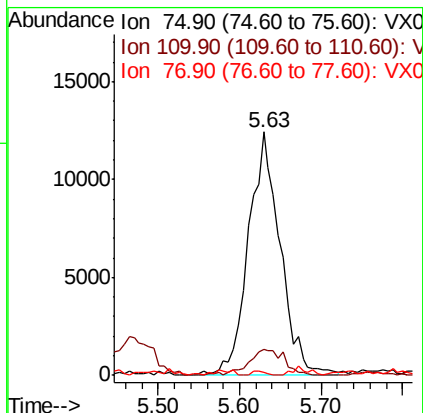
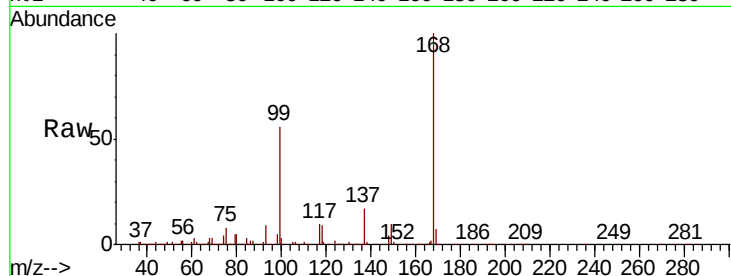
Delta R.T. -0.14 min

Lab File: VX017592.D

Acq: 25 Jul 2020 13:43

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
75	100		
110	12.1	18.1	54.3#
77	0.7	24.6	37.0#



#38

Carbon Tetrachloride

Concen: 5.817 ug/l

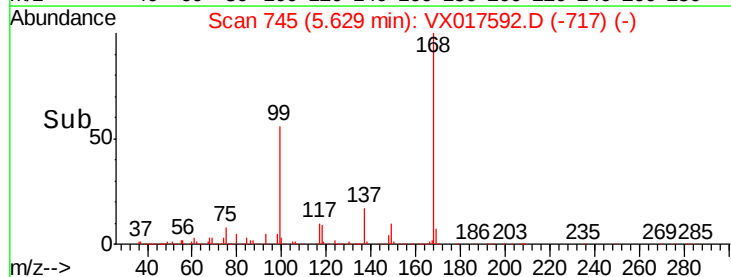
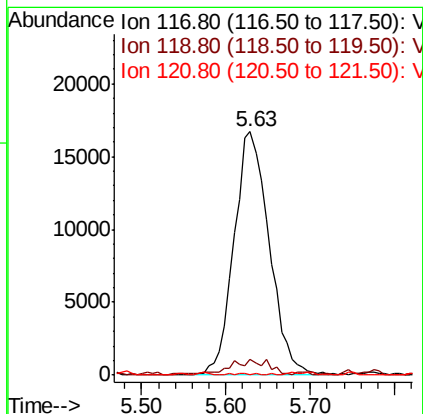
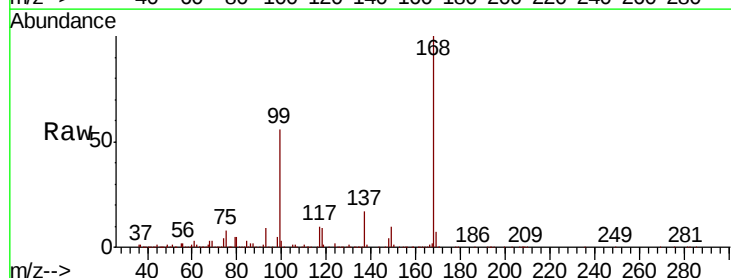
RT: 5.63 min Scan# 745

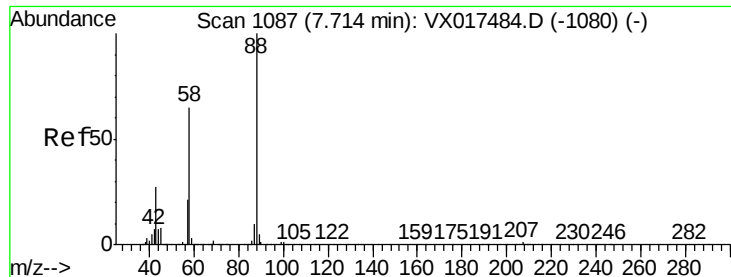
Delta R.T. -0.13 min

Lab File: VX017592.D

Acq: 25 Jul 2020 13:43

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.5	75.4	113.0#
121	0.4	24.3	36.5#





#49

1,4-Dioxane

Concen: 1.016 ug/l

RT: 7.73 min Scan# 1089

Delta R.T. 0.01 min

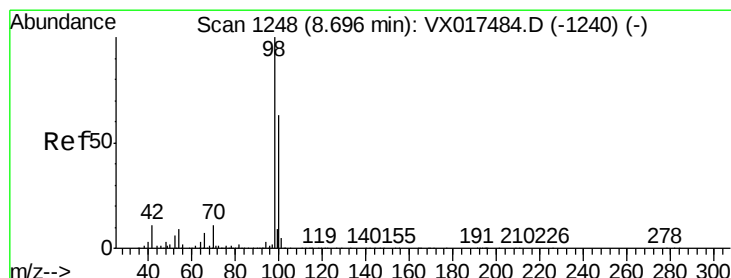
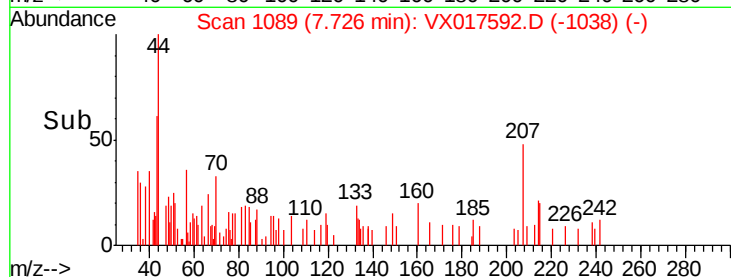
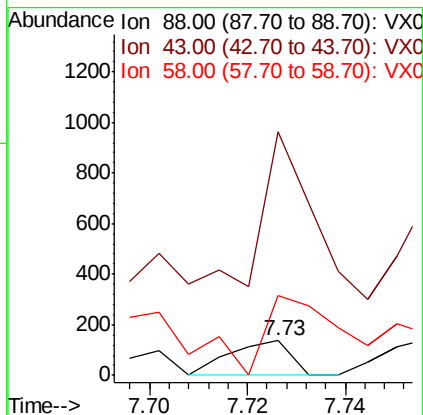
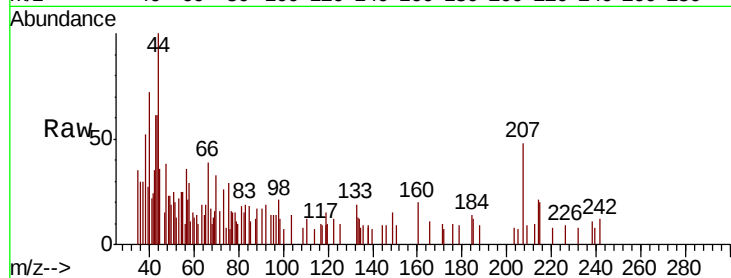
Lab File: VX017592.D

Acq: 25 Jul 2020 13:43

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 88 Resp: 117

Ion	Ratio	Lower	Upper
88	100		
43	423.1	27.8	41.6#
58	281.2	58.3	87.5#



#50

Toluene-d8

Concen: 50.496 ug/l

RT: 8.70 min Scan# 1248

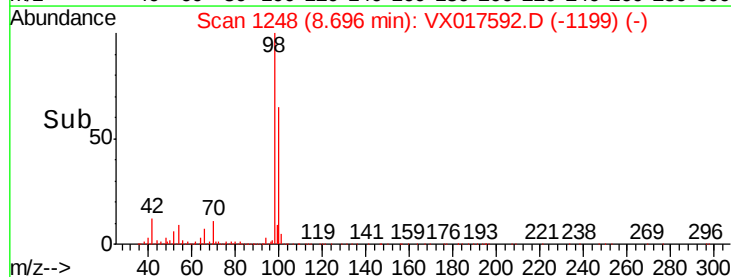
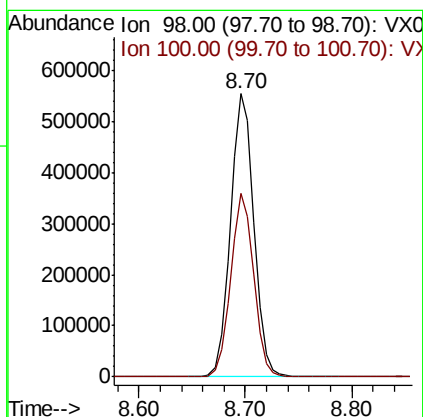
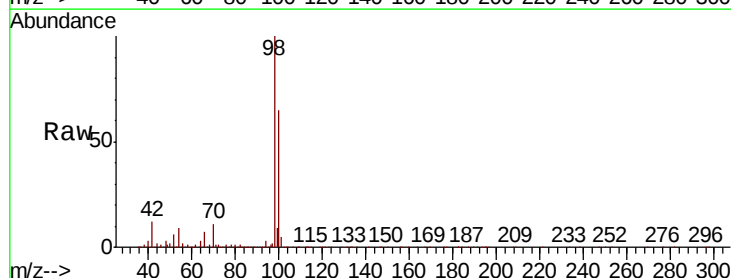
Delta R.T. -0.00 min

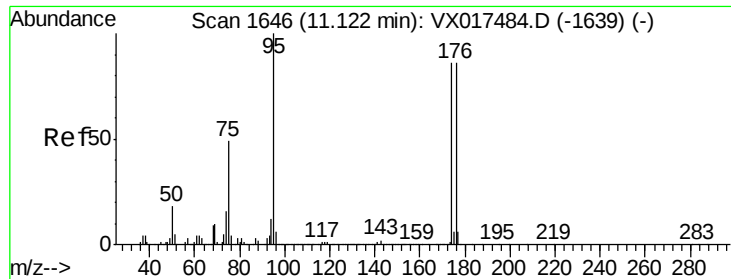
Lab File: VX017592.D

Acq: 25 Jul 2020 13:43

Tgt Ion: 98 Resp: 852764

Ion	Ratio	Lower	Upper
98	100		
100	63.9	52.3	78.5





#62

4-Bromofluorobenzene

Concen: 61.104 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX017592.D

Acq: 25 Jul 2020 13:43

Instrument :

MSVOA_X

ClientSampleId :

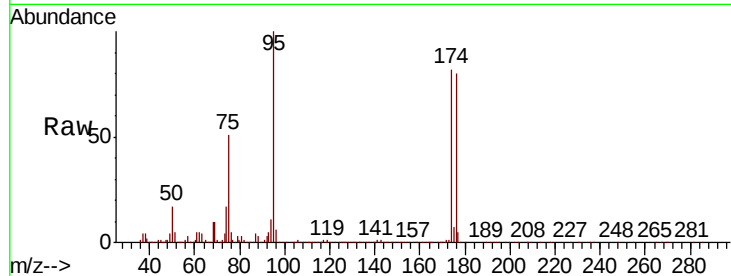
Tot Ion: 95 Resp: 412968

Ion Ratio Lower Upper

95 100

174 82.7 0.0 169.0

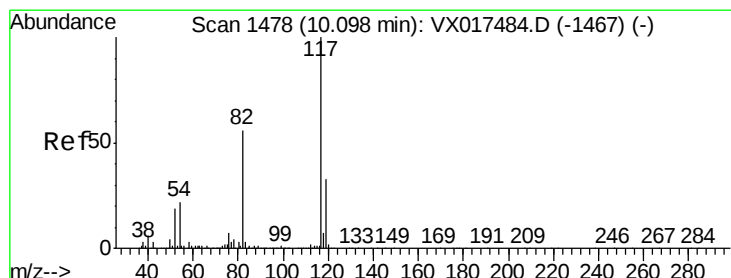
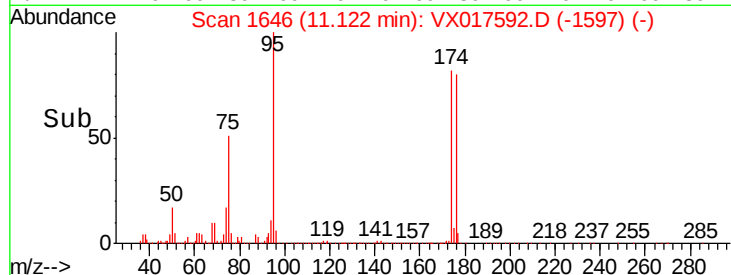
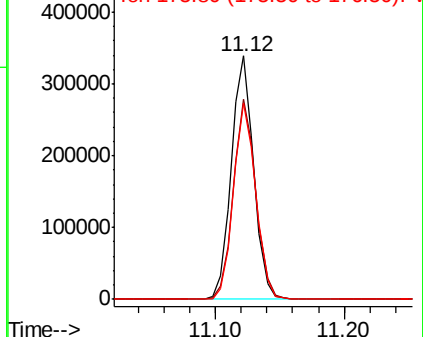
176 80.2 0.0 161.0



Abundance Ion 94.90 (94.60 to 95.60): VX017484.D (-1639) (-)

Ion 173.80 (173.50 to 174.50): VX017484.D (-1639) (-)

Ion 175.80 (175.50 to 176.50): VX017484.D (-1639) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX017592.D

Acq: 25 Jul 2020 13:43

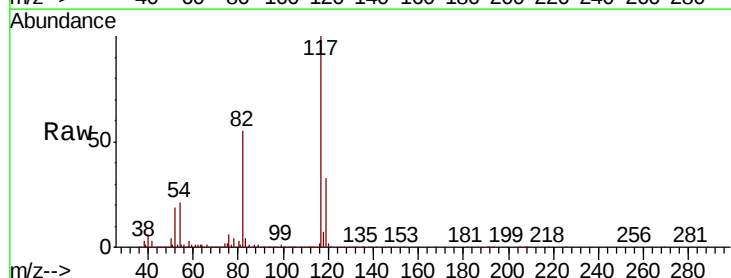
Tgt Ion: 117 Resp: 723472

Ion Ratio Lower Upper

117 100

82 55.4 44.0 66.0

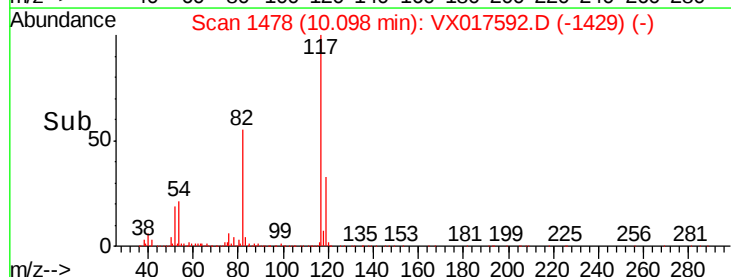
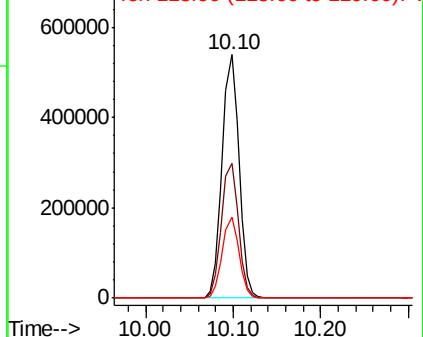
119 33.1 25.4 38.0

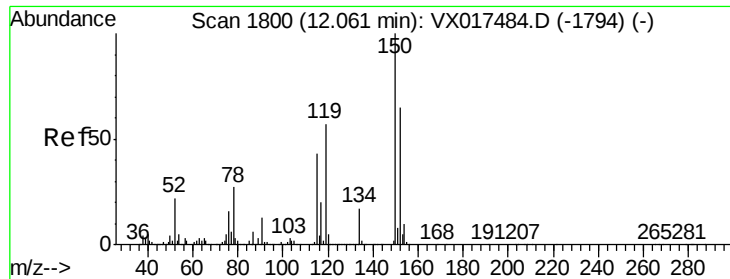


Abundance Ion 116.90 (116.60 to 117.60): VX017484.D (-1467) (-)

Ion 82.00 (81.70 to 82.70): VX017484.D (-1467) (-)

Ion 118.90 (118.60 to 119.60): VX017484.D (-1467) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX017592.D

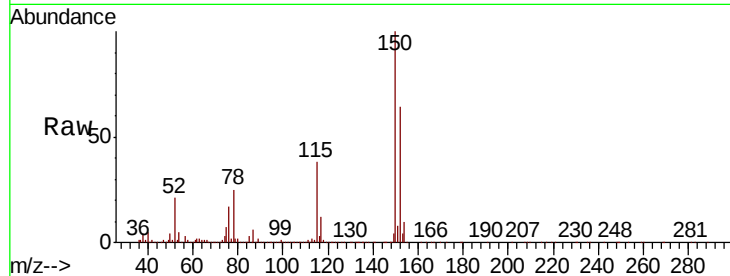
Acq: 25 Jul 2020 13:43

Instrument :

MSVOA_X

ClientSampleId :

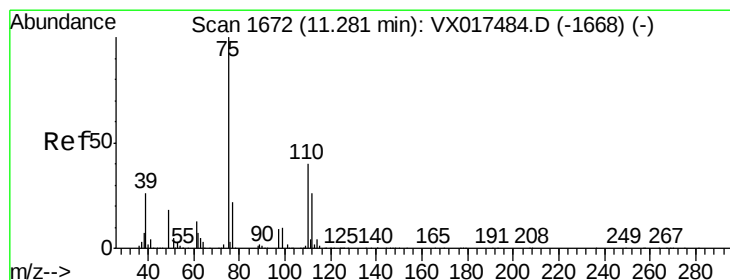
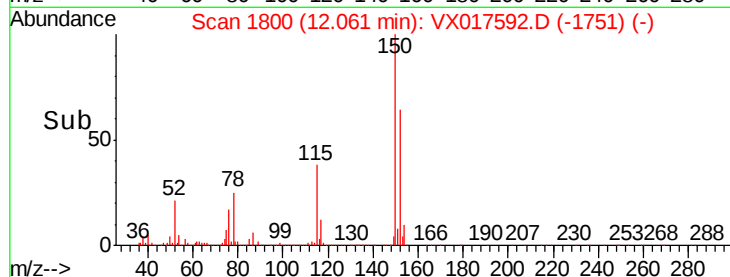
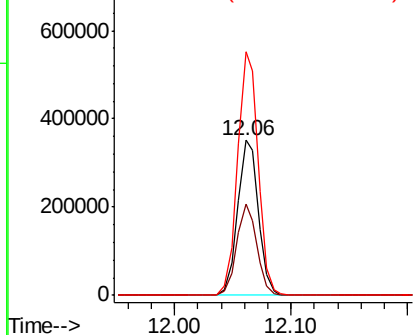
Tot Ion	Ratio	Lower	Upper
152	100		
115	57.4	65.5	196.6#
150	155.4	0.0	412.6



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: 23.305 ug/l

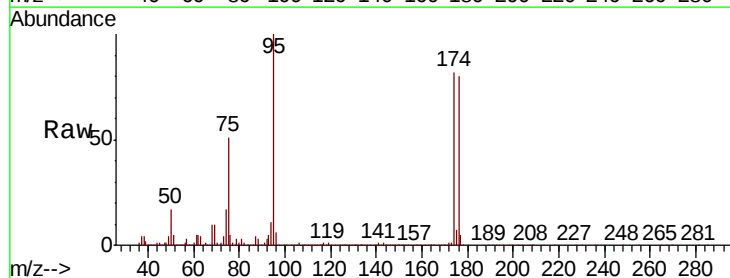
RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017592.D

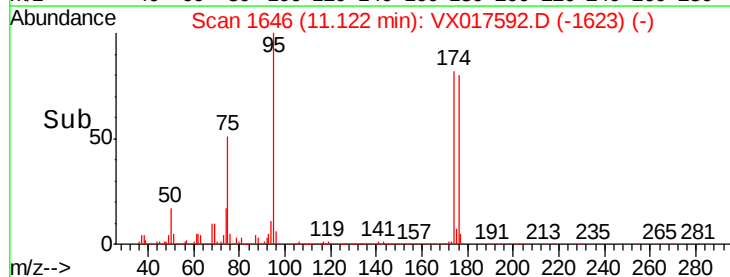
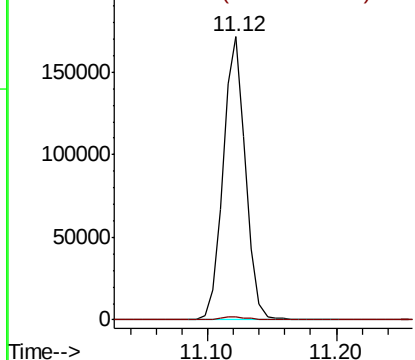
Acq: 25 Jul 2020 13:43

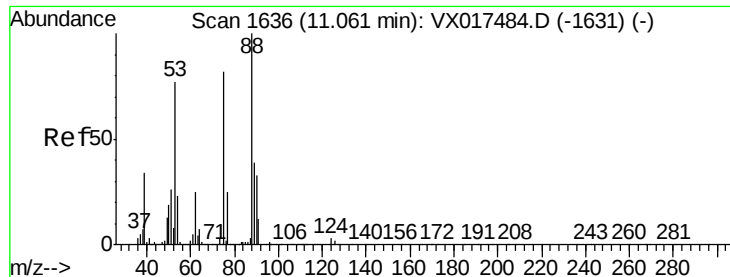
Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.4	21.8	65.3#



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: 58.723 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX017592.D

Acq: 25 Jul 2020 13:43

Instrument :

MSVOA_X

ClientSampleId :

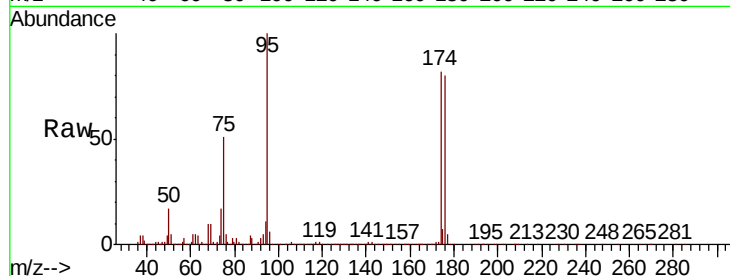
Tot Ion: 75 Resp: 209263

Ion Ratio Lower Upper

75 100

53 0.3 75.9 113.9#

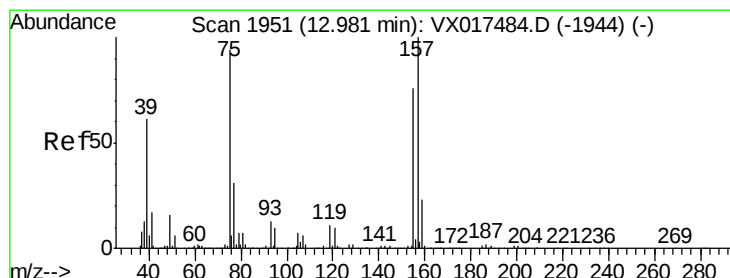
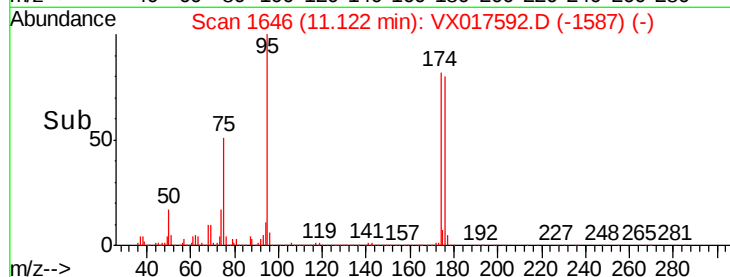
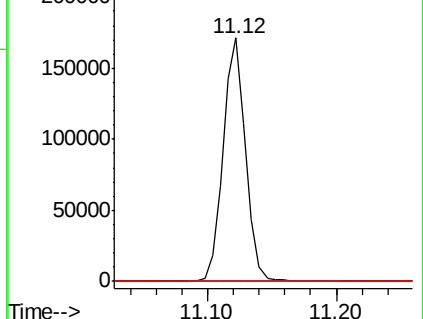
89 0.1 37.8 56.6#



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: 2.615 ug/l

RT: 12.98 min Scan# 1950

Delta R.T. -0.01 min

Lab File: VX017592.D

Acq: 25 Jul 2020 13:43

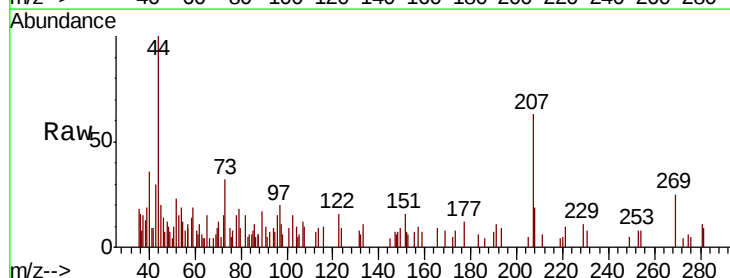
Tgt Ion: 75 Resp: 108

Ion Ratio Lower Upper

75 100

155 104.6 42.3 126.8

157 155.6 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

