

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102220\
 Data File : VX019064.D
 Acq On : 23 Oct 2020 06:11
 Operator : JC/SP
 Sample : L4489-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 55 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 201021075-01-VOA

Quant Time: Oct 23 09:56:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102120W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 22 17:51:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	274344	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	475642	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	453872	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	231968	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	167929	51.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.20%	
35) Dibromofluoromethane	5.46	113	147338	48.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.86%	
50) Toluene-d8	8.70	98	586286	51.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.04%	
62) 4-Bromofluorobenzene	11.12	95	214020	52.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.72%	

Target Compounds

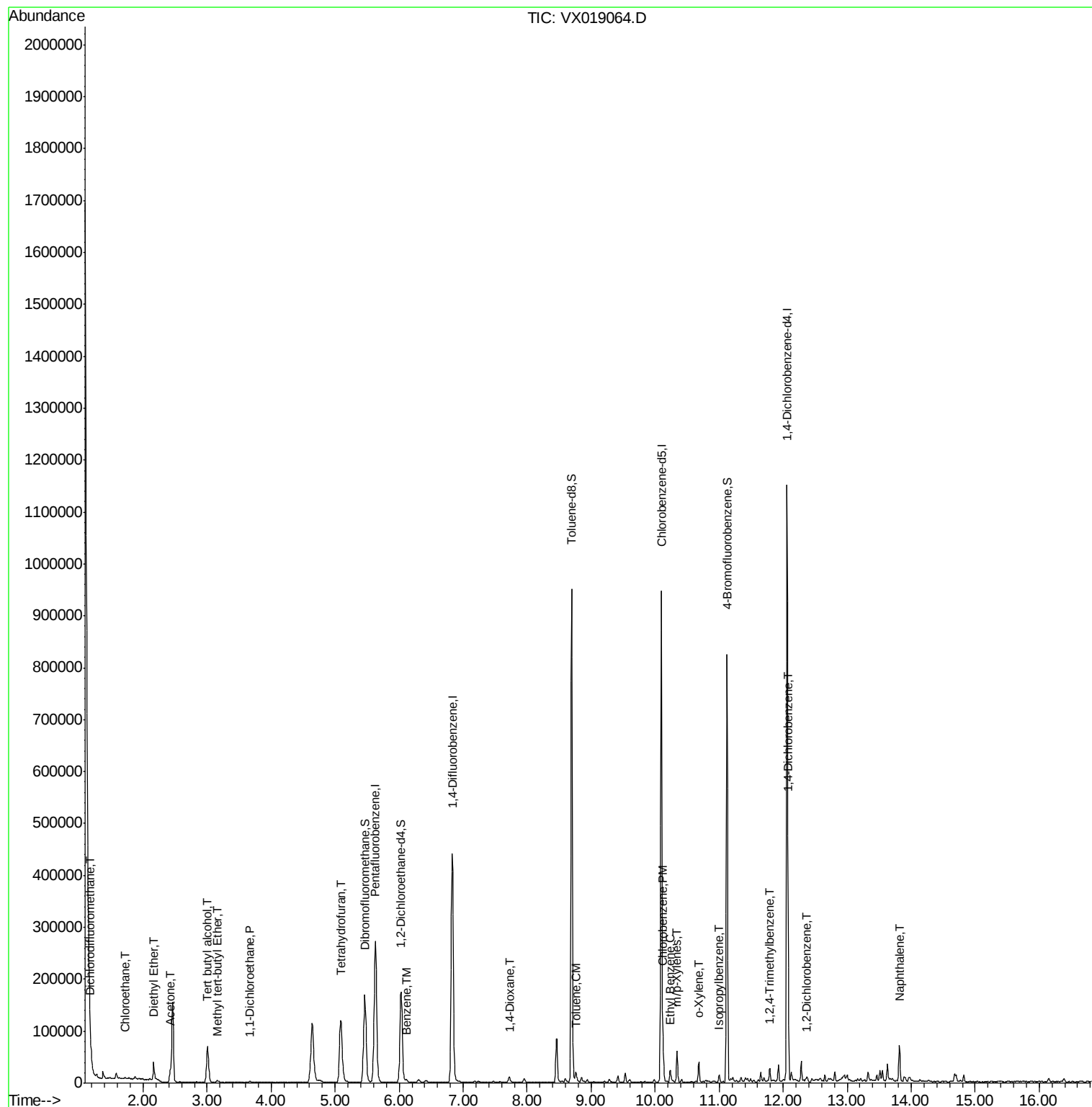
						Qvalue
2) Dichlorodifluoromethane	1.18	85	1251	0.458	ug/l	88
6) Chloroethane	1.71	64	1724	1.885	ug/l	96
8) Diethyl Ether	2.17	74	13704	6.460	ug/l	98
11) Tert butyl alcohol	3.01	59	95972	144.197	ug/l	100
16) Acetone	2.42	43	6186	5.527	ug/l	98
19) Methyl tert-butyl Ether	3.17	73	4312	0.510	ug/l #	79
24) 1,1-Dichloroethane	3.67	63	2665	0.537	ug/l	99
29) Tetrahydrofuran	5.09	42	102381	96.851	ug/l	98
40) Benzene	6.12	78	5467	0.435	ug/l	98
49) 1,4-Dioxane	7.72	88	9499	138.303	ug/l	96
52) Toluene	8.76	92	5172	0.623	ug/l	95
65) Chlorobenzene	10.12	112	30372	3.190	ug/l	99
67) Ethyl Benzene	10.24	91	13700	0.835	ug/l	95
68) m/p-Xylenes	10.34	106	12973	2.064	ug/l	96
69) o-Xylene	10.68	106	8296	1.379	ug/l	93
73) Isopropylbenzene	11.00	105	7514	0.450	ug/l	98
84) 1,2,4-Trimethylbenzene	11.79	105	11769	0.853	ug/l	99
88) 1,4-Dichlorobenzene	12.08	146	35445	4.468	ug/l	91
91) 1,2-Dichlorobenzene	12.38	146	1987	0.276	ug/l	90
95) Naphthalene	13.82	128	43502	2.622	ug/l	100

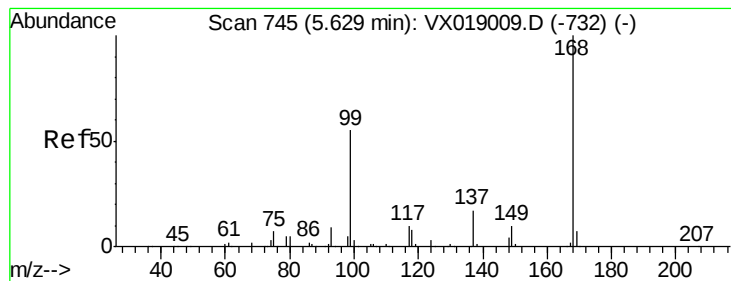
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X102120W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 22 17:51:42 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX019064.D

Acq: 23 Oct 2020 06:11

Instrument :

MSVOA_X

ClientSampleId :

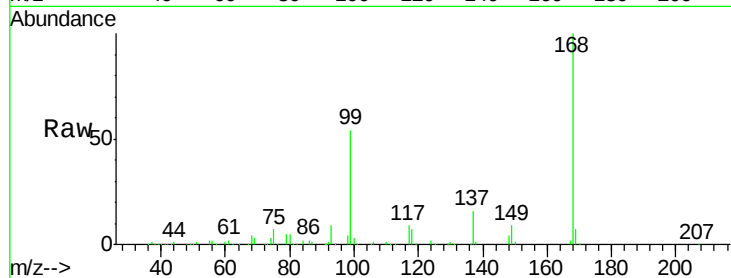
201021075-01-VOA

Tot Ion:168 Resp: 274344

Ion Ratio Lower Upper

168 100

99 54.3 44.2 66.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

100000

80000

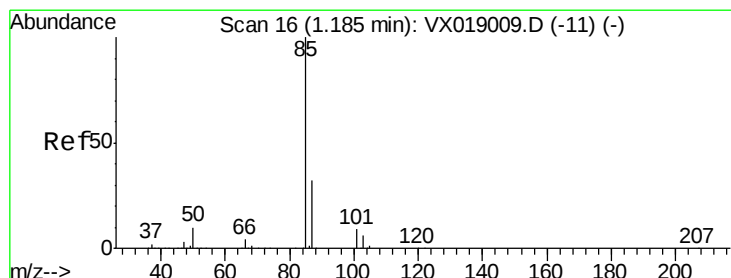
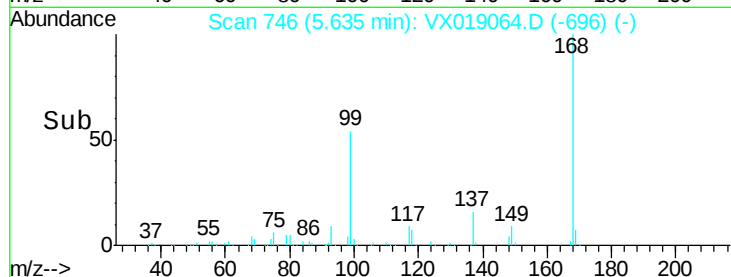
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 0.458 ug/l

RT: 1.18 min Scan# 16

Delta R.T. -0.00 min

Lab File: VX019064.D

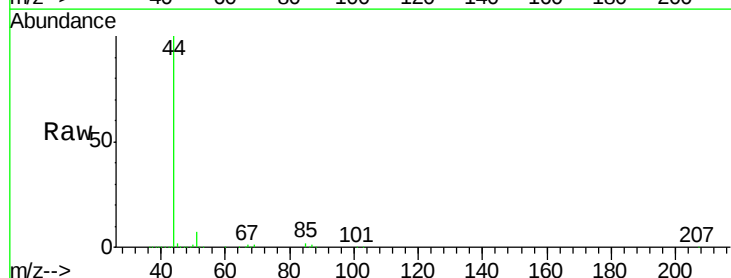
Acq: 23 Oct 2020 06:11

Tgt Ion: 85 Resp: 1251

Ion Ratio Lower Upper

85 100

87 39.3 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.18

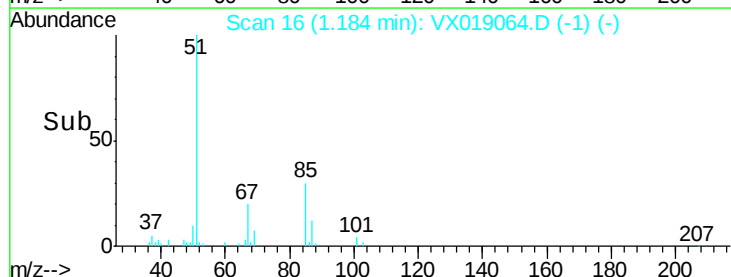
1500

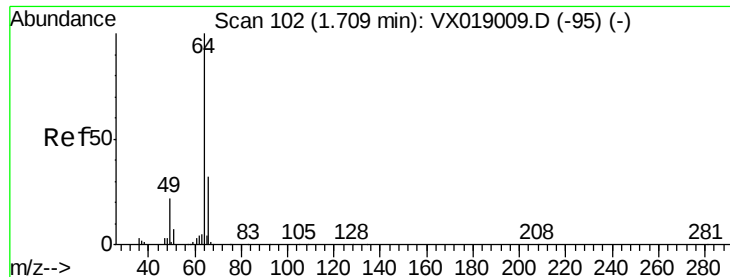
1000

500

0

Time-->





#6

Chloroethane

Concen: 1.885 ug/l

RT: 1.71 min Scan# 103

Delta R.T. 0.01 min

Lab File: VX019064.D

Acq: 23 Oct 2020 06:11

Instrument :

MSVOA_X

ClientSampleId :

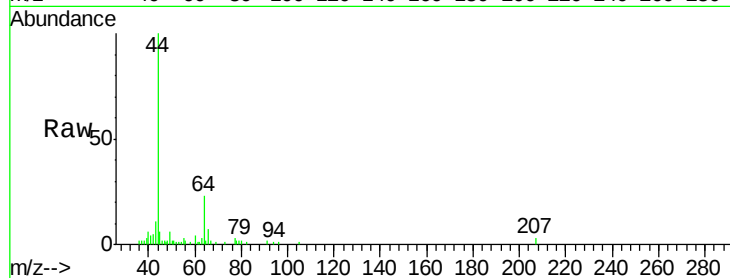
201021075-01-VOA

Tot Ion: 64 Resp: 1724

Ion Ratio Lower Upper

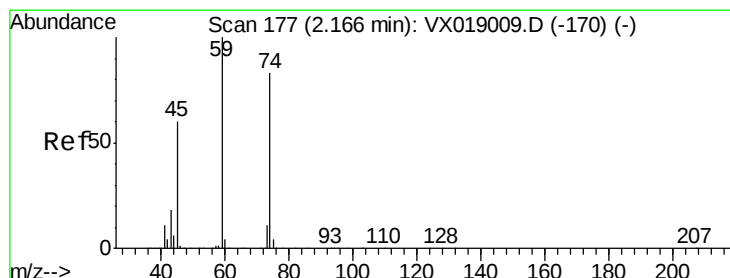
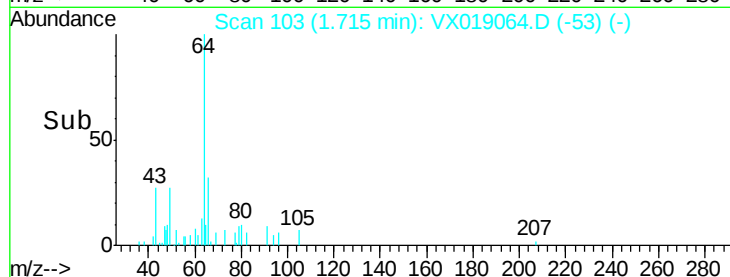
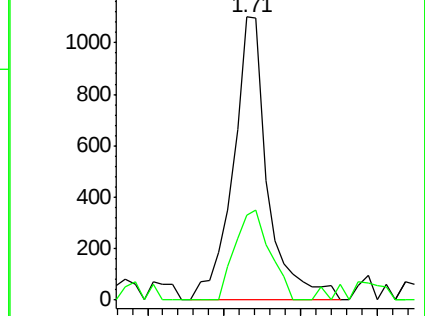
64 100

66 29.9 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#8

Diethyl Ether

Concen: 6.460 ug/l

RT: 2.17 min Scan# 177

Delta R.T. -0.00 min

Lab File: VX019064.D

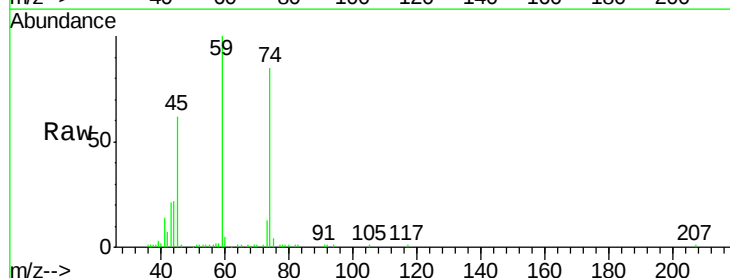
Acq: 23 Oct 2020 06:11

Tgt Ion: 74 Resp: 13704

Ion Ratio Lower Upper

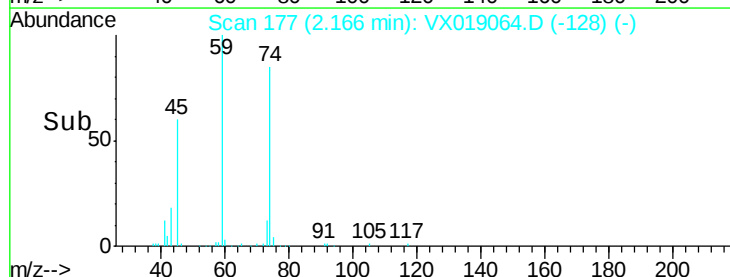
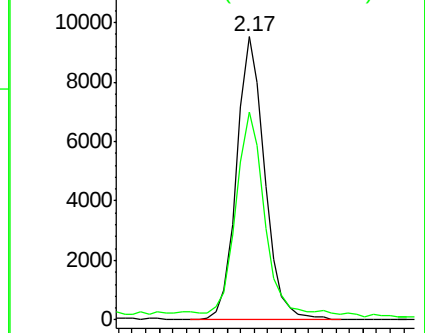
74 100

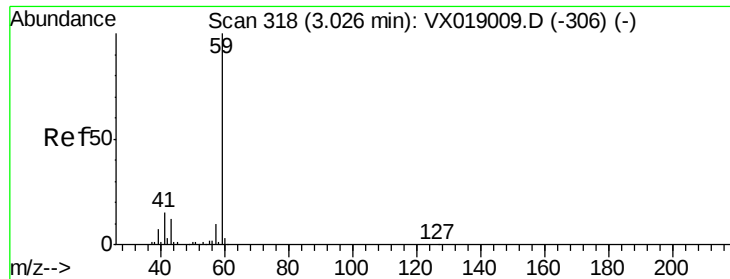
45 75.2 36.8 110.4



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



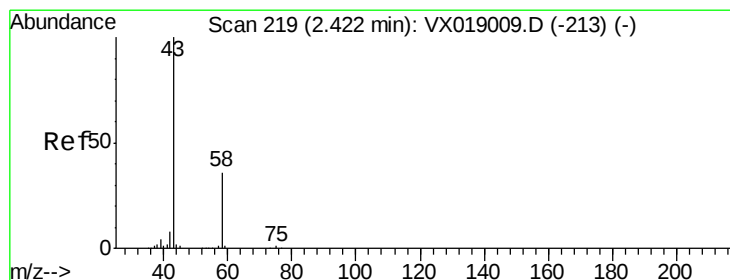
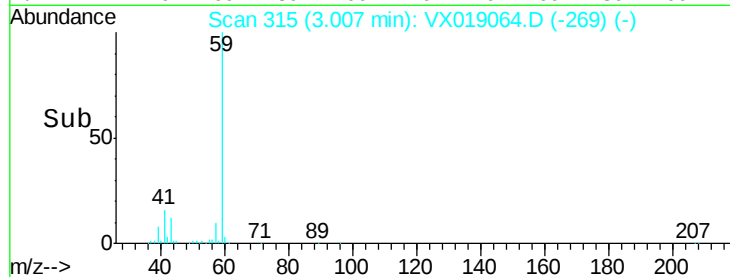
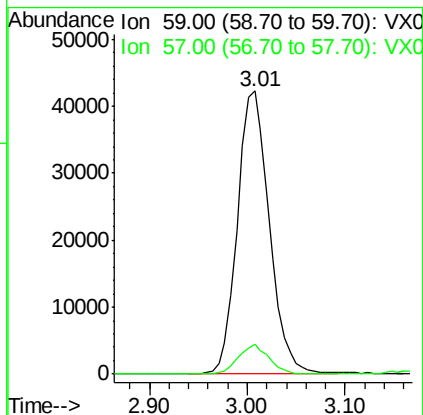
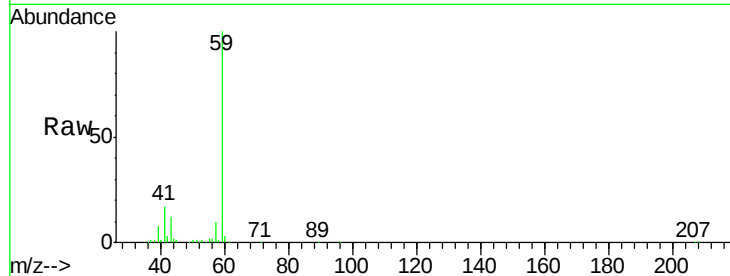


#11

Tert butyl alcohol
 Concen: 144.197 ug/l
 RT: 3.01 min Scan# 315
 Delta R.T. -0.02 min
 Lab File: VX019064.D
 Acq: 23 Oct 2020 06:11

Instrument :
 MSVOA_X
 ClientSampleId :
 201021075-01-VOA

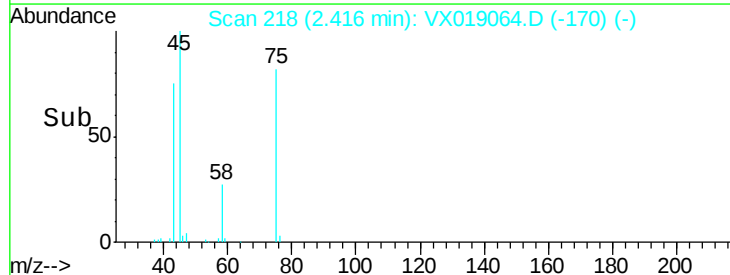
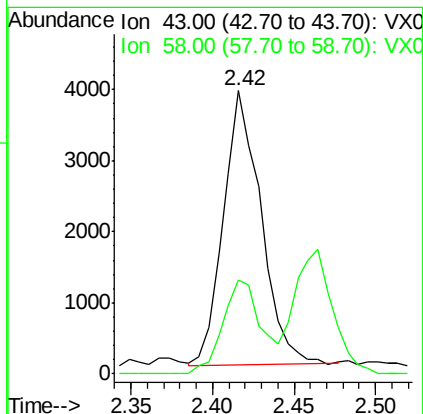
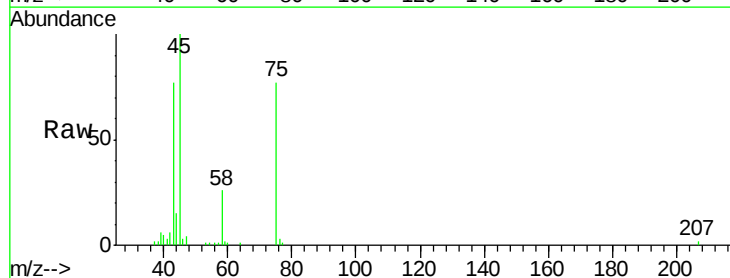
Tot Ion: 59 Resp: 95972
 Ion Ratio Lower Upper
 59 100
 57 10.3 8.2 12.2

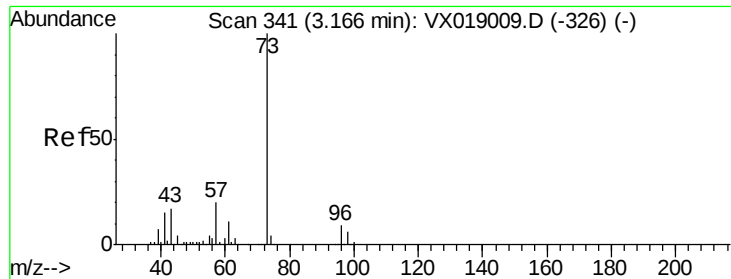


#16

Acetone
 Concen: 5.527 ug/l
 RT: 2.42 min Scan# 218
 Delta R.T. -0.01 min
 Lab File: VX019064.D
 Acq: 23 Oct 2020 06:11

Tgt Ion: 43 Resp: 6186
 Ion Ratio Lower Upper
 43 100
 58 34.5 28.6 42.8

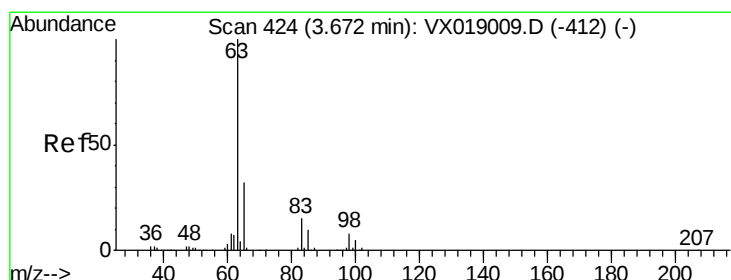
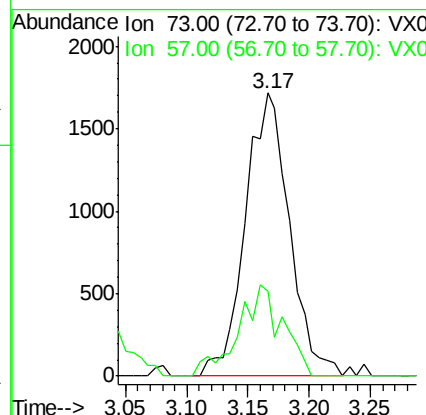
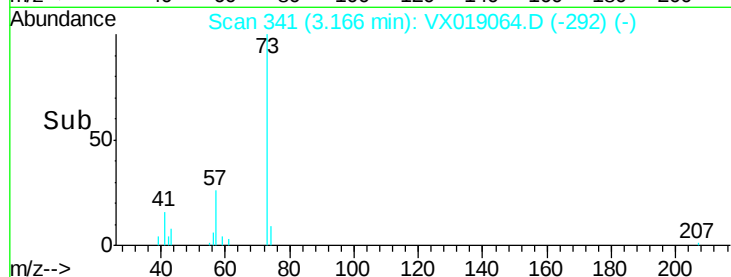
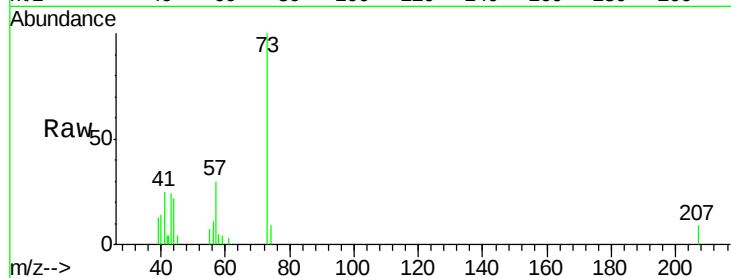




#19
Methvl tert-butvl Ether
Concen: 0.510 ug/l
RT: 3.17 min Scan# 341
Delta R.T. -0.00 min
Lab File: VX019064.D
Acq: 23 Oct 2020 06:11

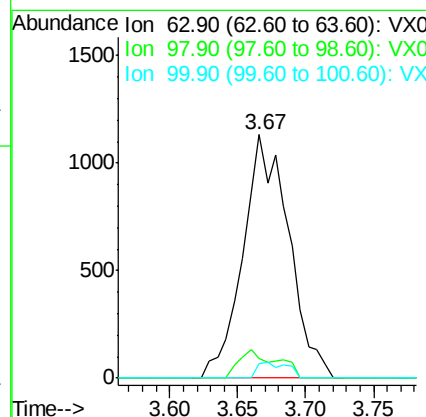
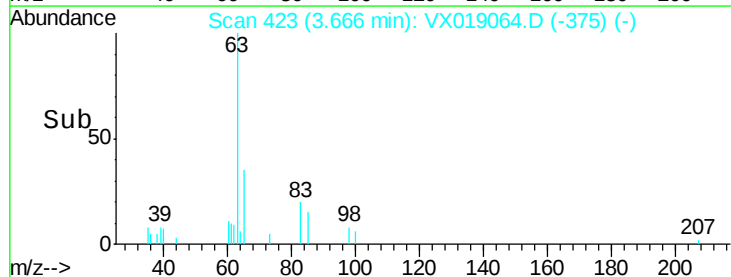
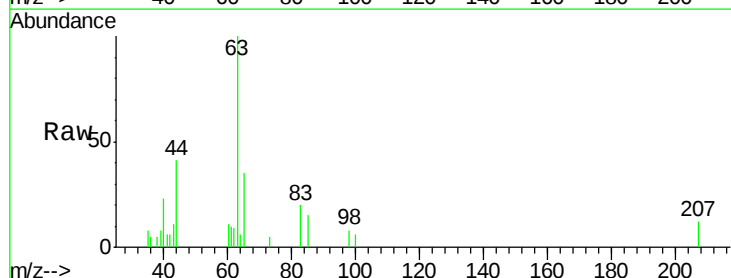
Instrument :
MSVOA_X
ClientSampleId :
201021075-01-VOA

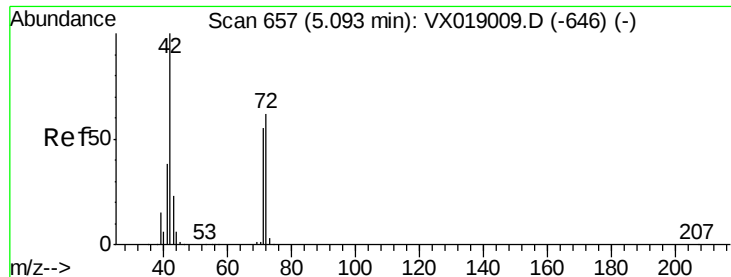
Tot Ion: 73 Resp: 4312
Ion Ratio Lower Upper
73 100
57 30.0 16.2 24.2#



#24
1,1-Dichloroethane
Concen: 0.537 ug/l
RT: 3.67 min Scan# 423
Delta R.T. -0.01 min
Lab File: VX019064.D
Acq: 23 Oct 2020 06:11

Tgt Ion: 63 Resp: 2665
Ion Ratio Lower Upper
63 100
98 7.9 4.0 12.0
100 5.9 2.5 7.4

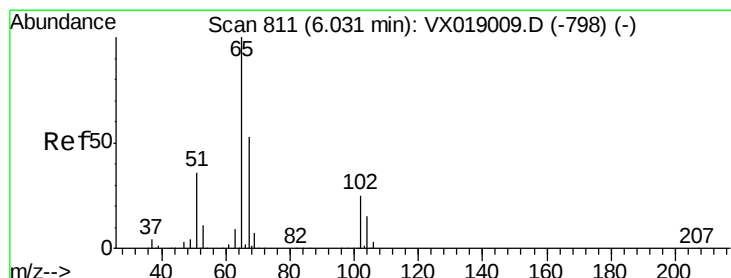
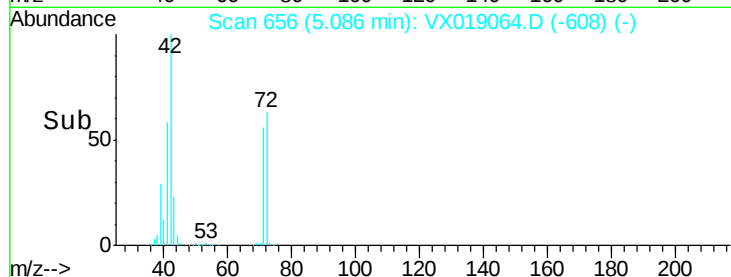
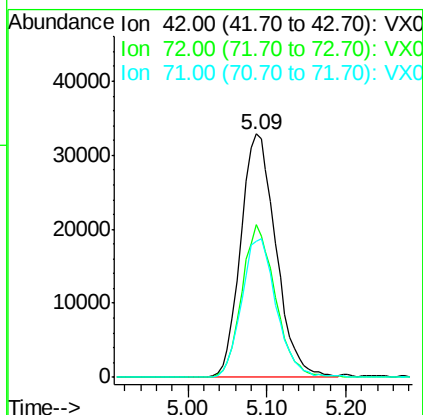
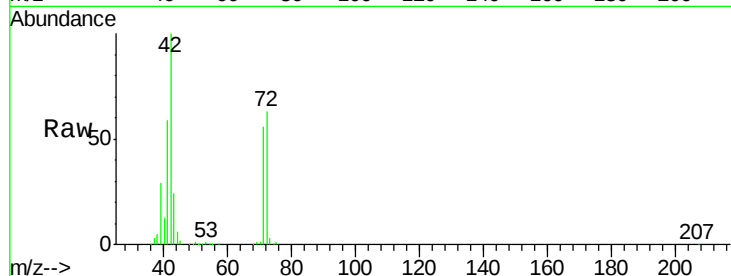




#29
Tetrahydrofuran
Concen: 96.851 ug/l
RT: 5.09 min Scan# 656
Delta R.T. -0.01 min
Lab File: VX019064.D
Acq: 23 Oct 2020 06:11

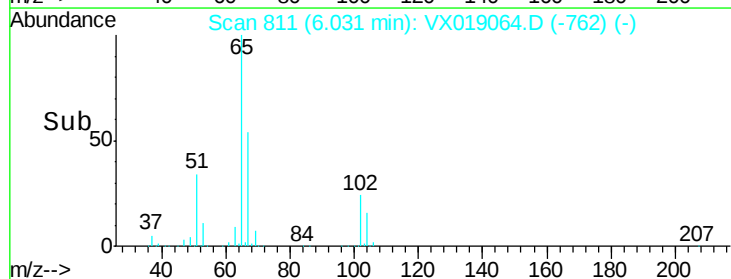
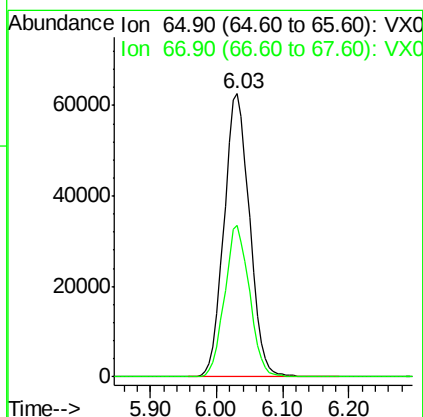
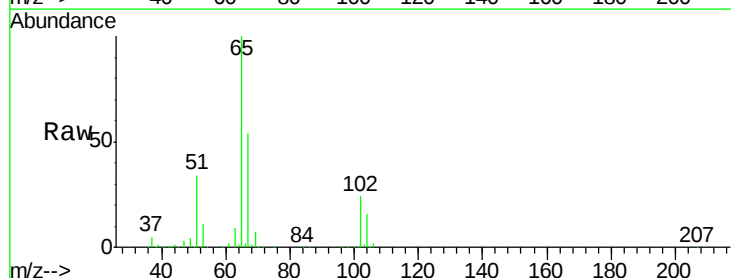
Instrument :
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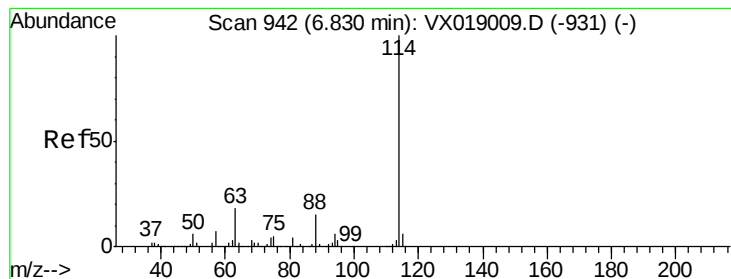
Tot Ion: 42 Resp: 102381
Ion Ratio Lower Upper
42 100
72 59.7 49.1 73.7
71 56.3 44.2 66.4



#33
1,2-Dichloroethane-d4
Concen: 51.101 ug/l
RT: 6.03 min Scan# 811
Delta R.T. -0.00 min
Lab File: VX019064.D
Acq: 23 Oct 2020 06:11

Tgt Ion: 65 Resp: 167929
Ion Ratio Lower Upper
65 100
67 52.0 0.0 107.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX019064.D

Acq: 23 Oct 2020 06:11

Instrument :

MSVOA_X

ClientSampleId :

201021075-01-VOA

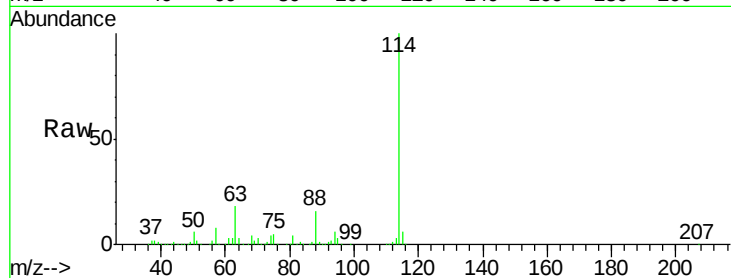
Tot Ion:114 Resp: 475642

Ion Ratio Lower Upper

114 100

63 18.3 0.0 36.8

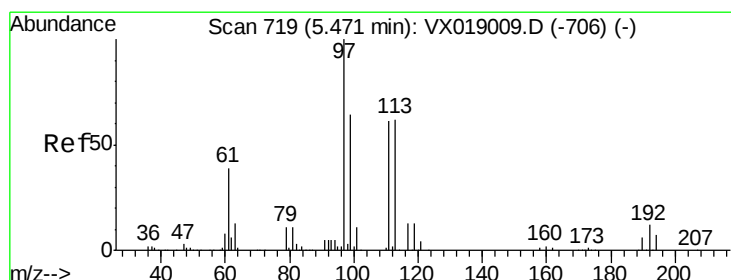
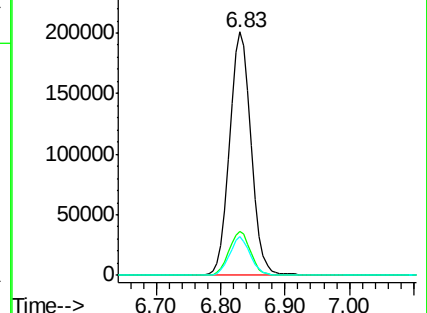
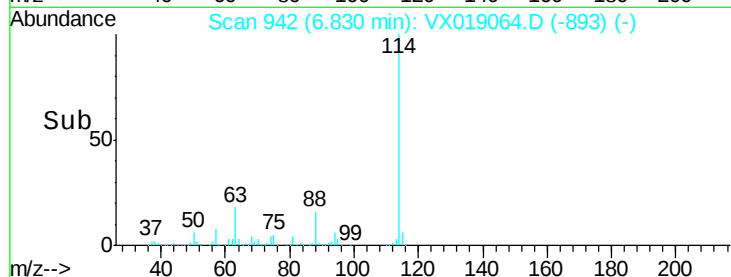
88 15.8 0.0 30.2



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: 48.926 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.01 min

Lab File: VX019064.D

Acq: 23 Oct 2020 06:11

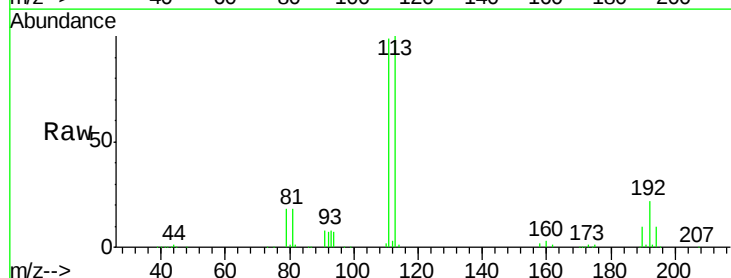
Tgt Ion:113 Resp: 147338

Ion Ratio Lower Upper

113 100

111 102.0 81.5 122.3

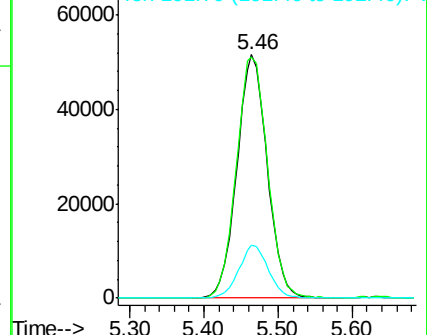
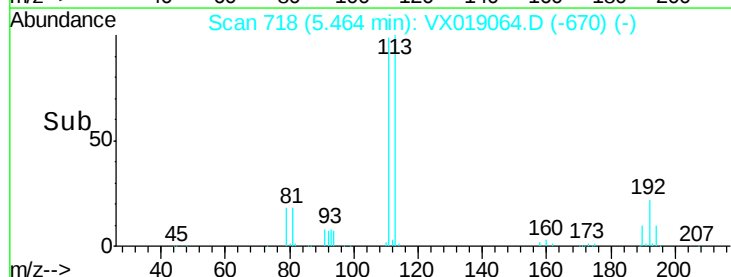
192 21.1 16.3 24.5

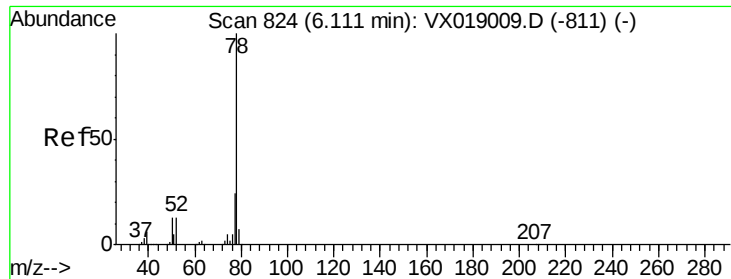


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#40

Benzene

Concen: 0.435 ug/l

RT: 6.12 min Scan# 825

Delta R.T. 0.01 min

Lab File: VX019064.D

Acq: 23 Oct 2020 06:11

Instrument :

MSVOA_X

ClientSampleId :

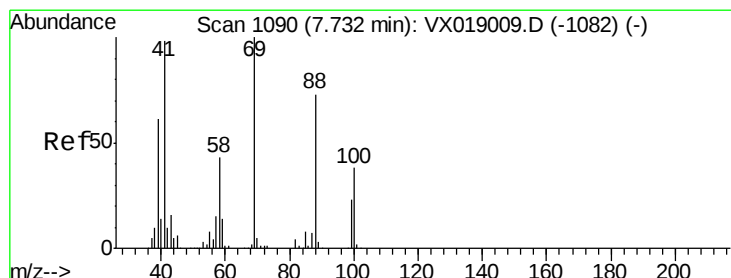
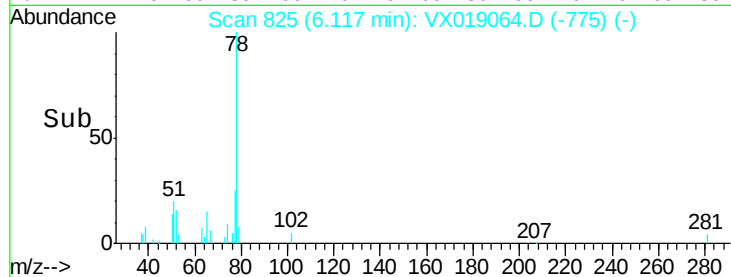
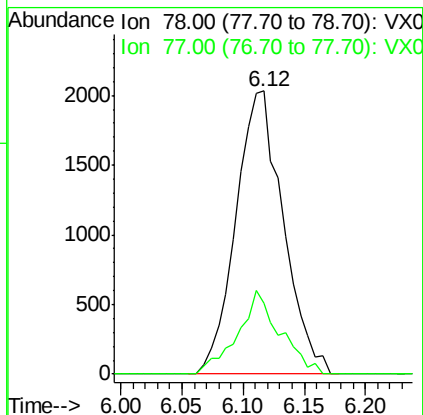
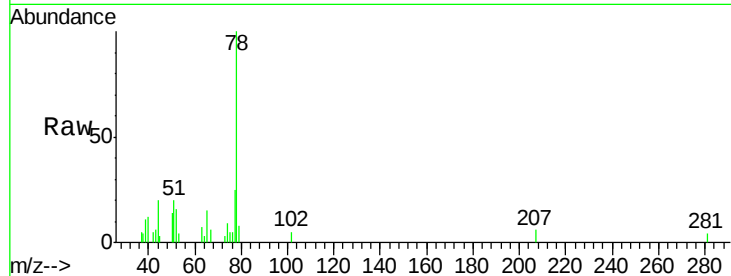
201021075-01-VOA

Tot Ion: 78 Resp: 5467

Ion Ratio Lower Upper

78 100

77 24.9 19.3 28.9



#49

1,4-Dioxane

Concen: 138.303 ug/l

RT: 7.72 min Scan# 1088

Delta R.T. -0.01 min

Lab File: VX019064.D

Acq: 23 Oct 2020 06:11

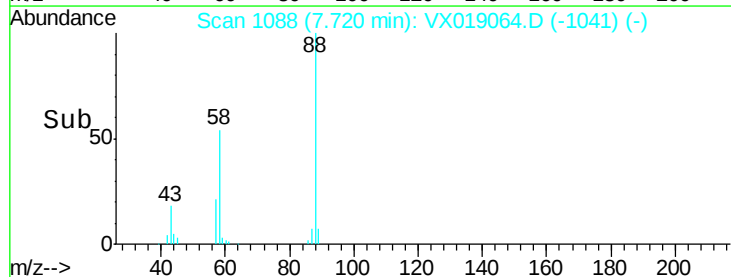
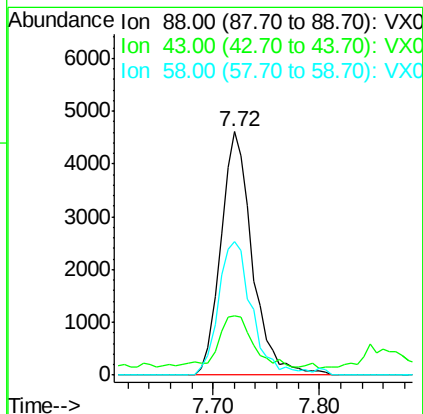
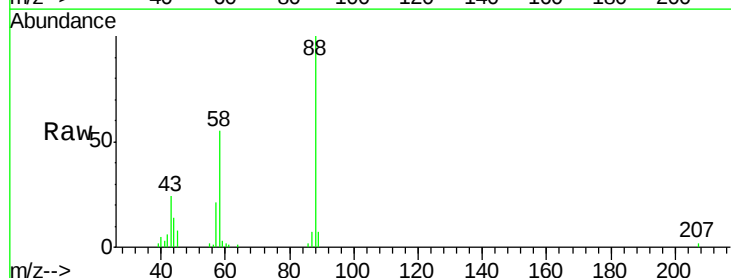
Tgt Ion: 88 Resp: 9499

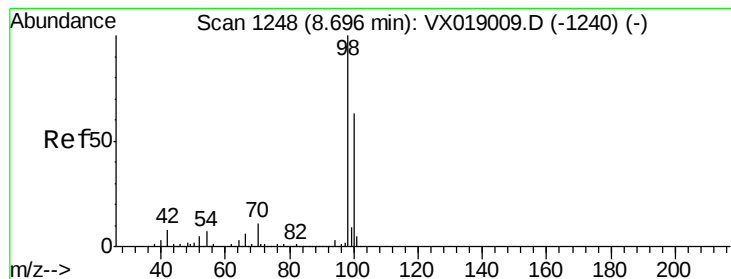
Ion Ratio Lower Upper

88 100

43 23.3 20.3 30.5

58 57.7 48.4 72.6





#50

Toluene-d8

Concen: 51.018 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX019064.D

Acq: 23 Oct 2020 06:11

Instrument :

MSVOA_X

ClientSampleId :

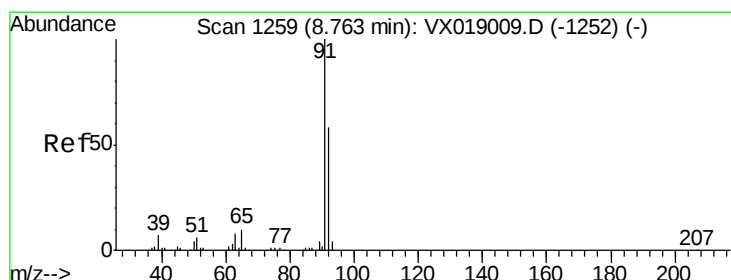
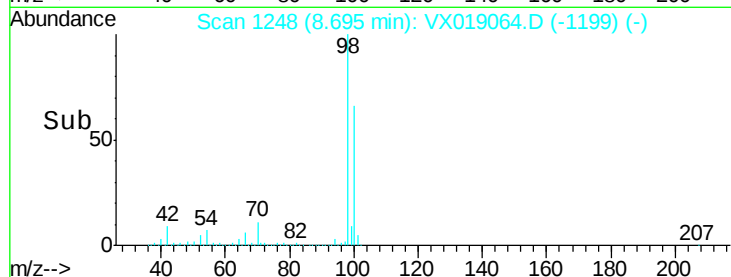
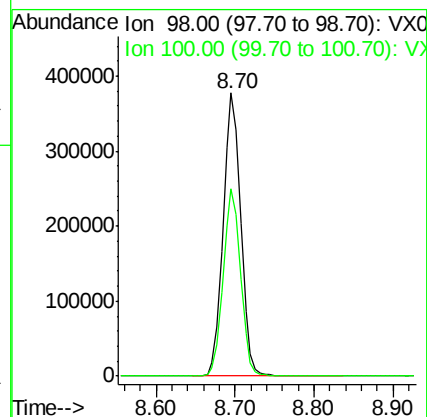
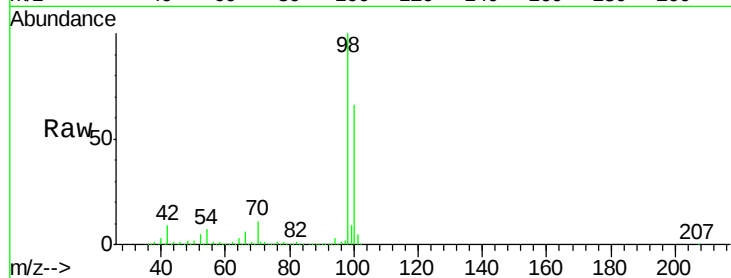
201021075-01-VOA

Tot Ion: 98 Resp: 586286

Ion Ratio Lower Upper

98 100

100 65.5 52.1 78.1



#52

Toluene

Concen: 0.623 ug/l

RT: 8.76 min Scan# 1259

Delta R.T. -0.00 min

Lab File: VX019064.D

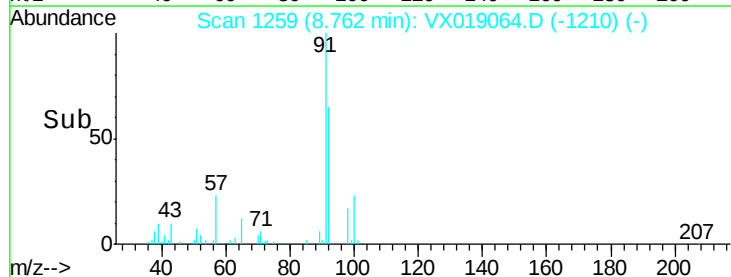
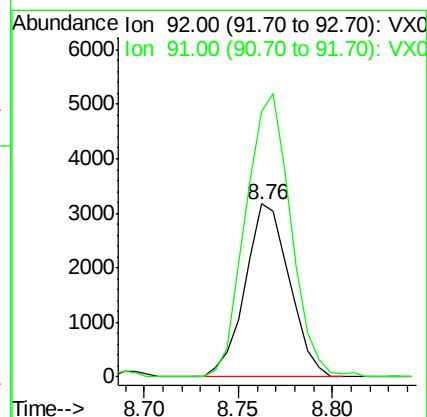
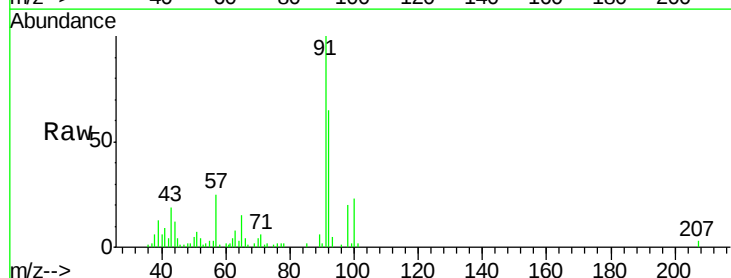
Acq: 23 Oct 2020 06:11

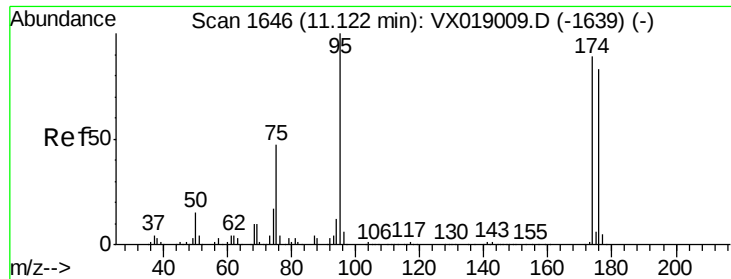
Tgt Ion: 92 Resp: 5172

Ion Ratio Lower Upper

92 100

91 166.6 138.6 208.0

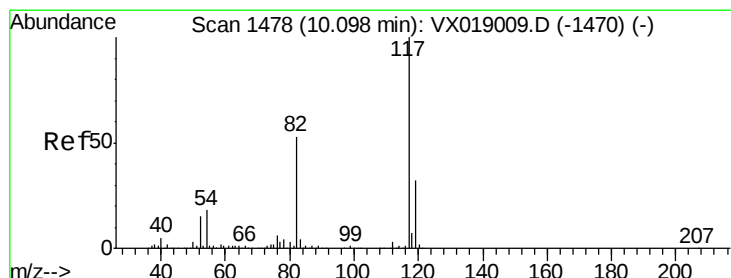
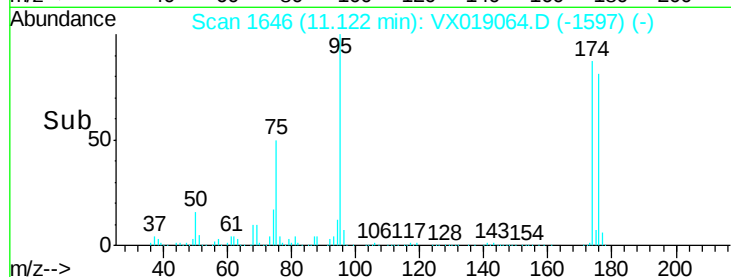
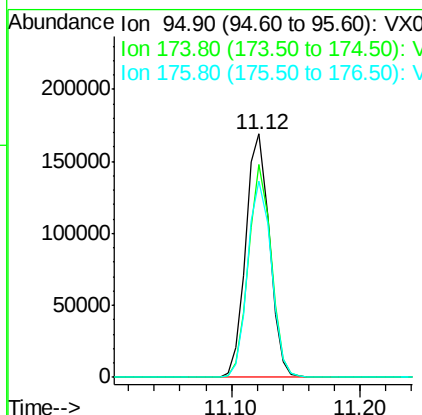
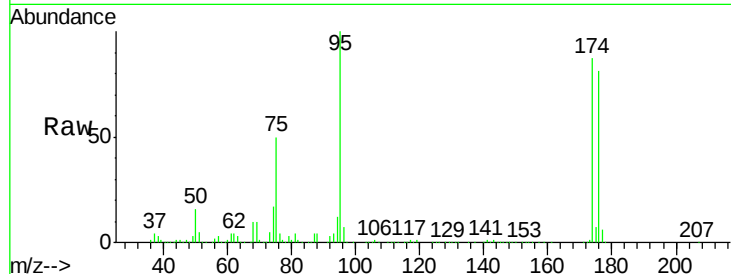




#62
4-Bromofluorobenzene
Concen: 52.358 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX019064.D
Acq: 23 Oct 2020 06:11

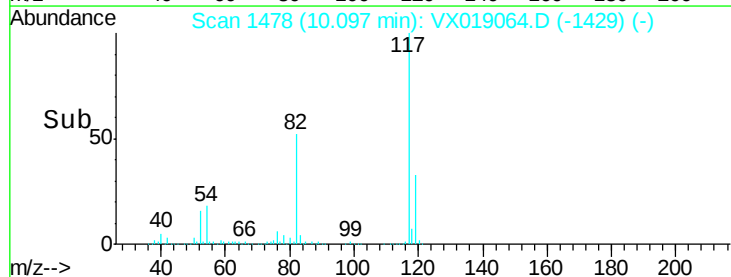
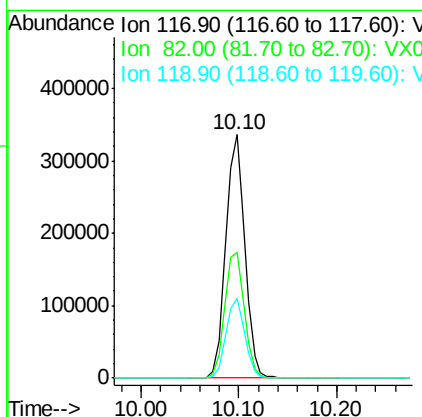
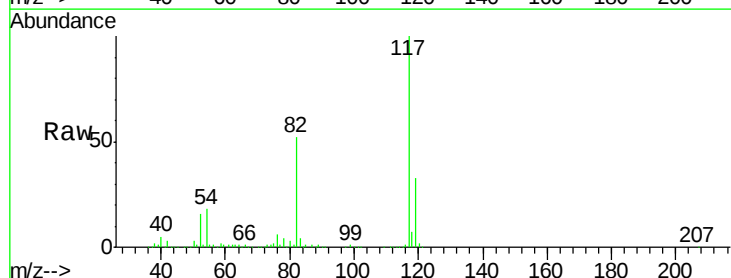
Instrument :
MSVOA_X
ClientSampleId :
201021075-01-VOA

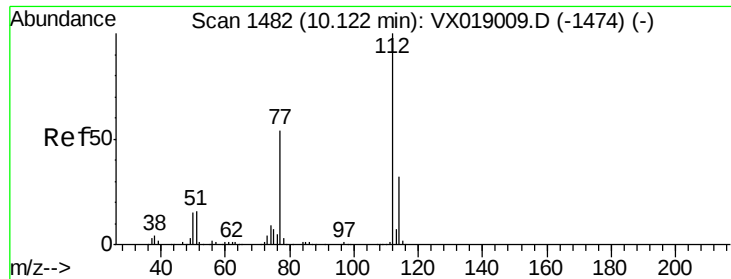
Tot Ion: 95 Resp: 214020
Ion Ratio Lower Upper
95 100
174 83.4 0.0 167.6
176 80.6 0.0 165.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX019064.D
Acq: 23 Oct 2020 06:11

Tgt Ion: 117 Resp: 453872
Ion Ratio Lower Upper
117 100
82 51.5 42.4 63.6
119 32.6 25.6 38.4

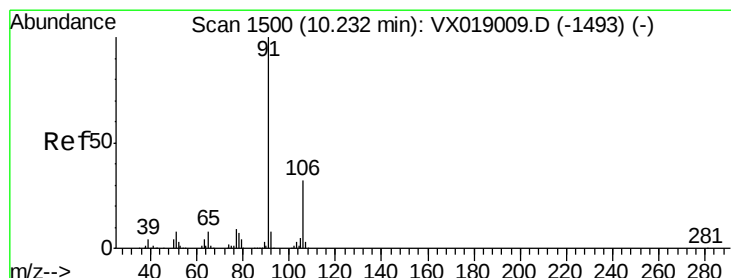
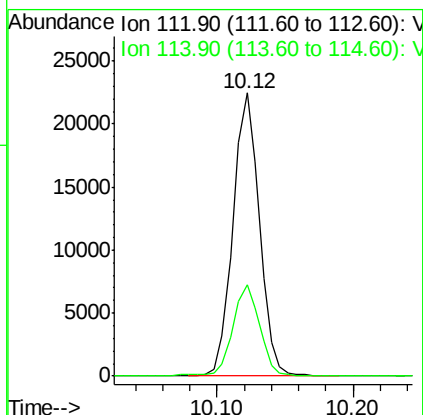
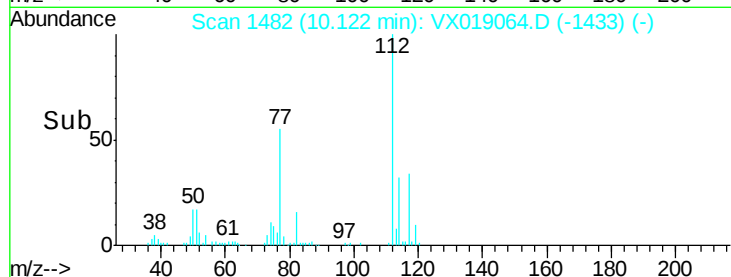
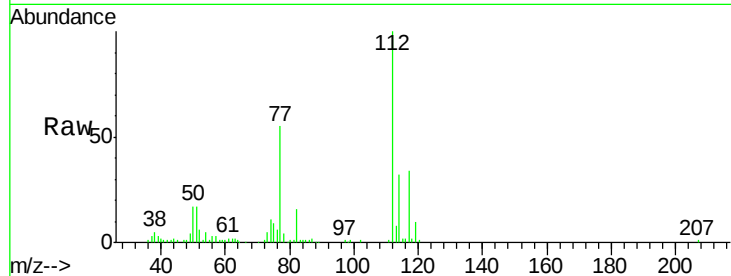




#65
Chlorobenzene
Concen: 3.190 ug/l
RT: 10.12 min Scan# 1482
Delta R.T. -0.00 min
Lab File: VX019064.D
Acq: 23 Oct 2020 06:11

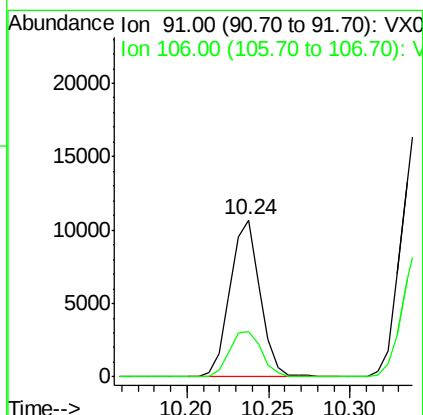
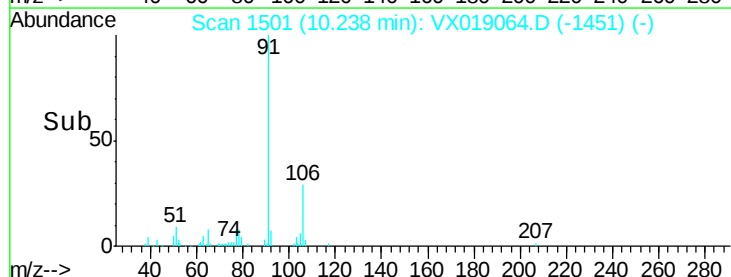
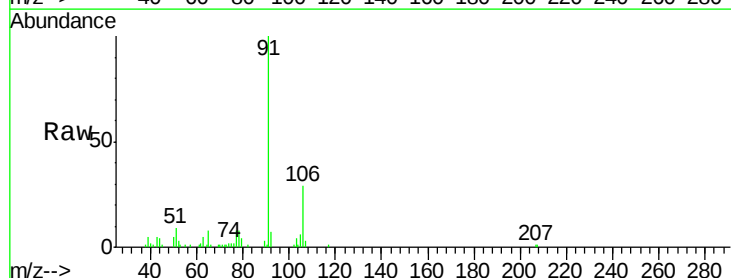
Instrument :
MSVOA_X
ClientSampleId :
201021075-01-VOA

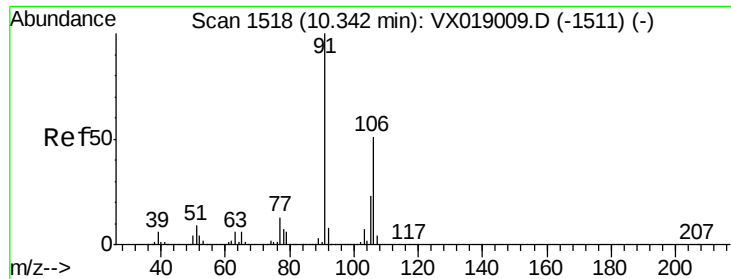
Tot Ion:112 Resp: 30372
Ion Ratio Lower Upper
112 100
114 32.4 25.5 38.3



#67
Ethyl Benzene
Concen: 0.835 ug/l
RT: 10.24 min Scan# 1501
Delta R.T. 0.01 min
Lab File: VX019064.D
Acq: 23 Oct 2020 06:11

Tgt Ion: 91 Resp: 13700
Ion Ratio Lower Upper
91 100
106 29.0 25.3 37.9

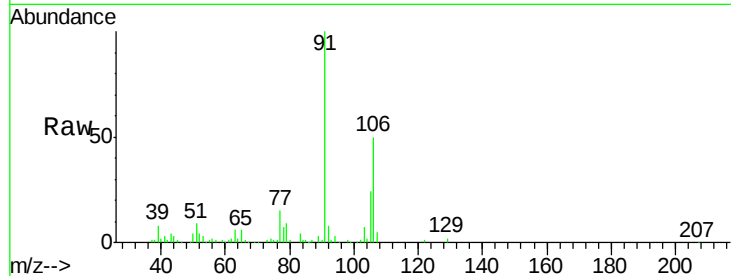




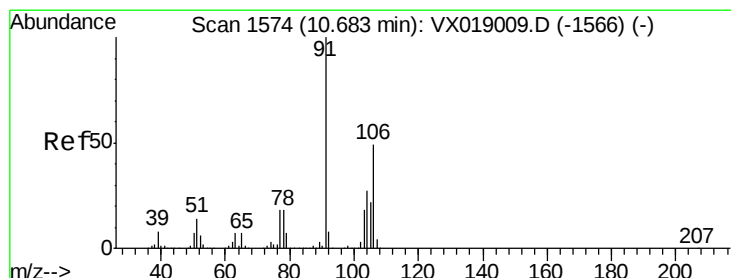
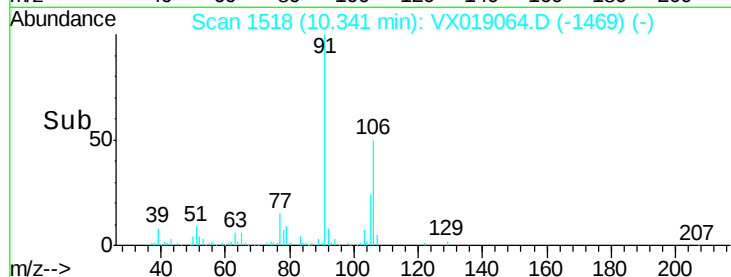
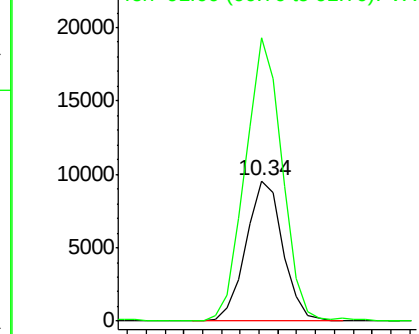
#68
m/p-Xylenes
Concen: 2.064 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. -0.00 min
Lab File: VX019064.D
Acq: 23 Oct 2020 06:11

Instrument :
MSVOA_X
ClientSampleId :
201021075-01-VOA

Tot Ion:106 Resp: 12973
Ion Ratio Lower Upper
106 100
91 202.6 156.9 235.3

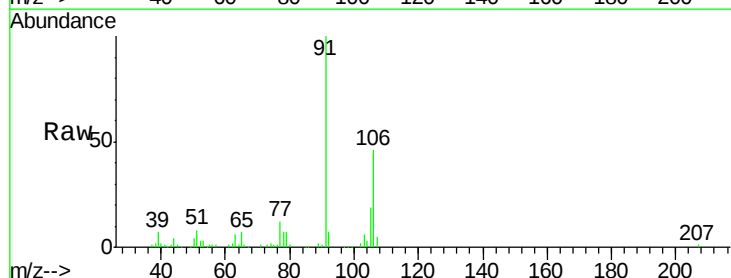


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

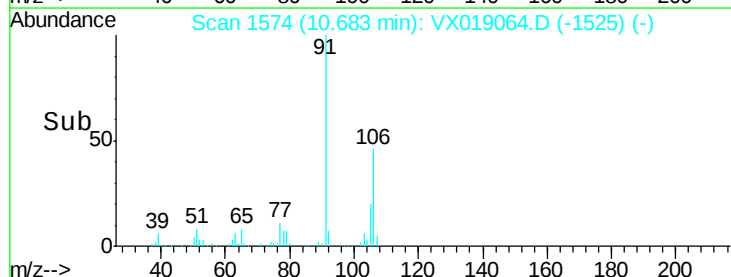
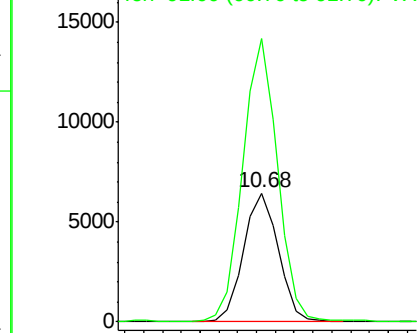


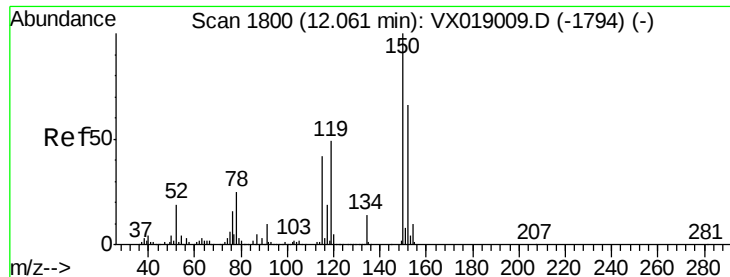
#69
o-Xylene
Concen: 1.379 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VX019064.D
Acq: 23 Oct 2020 06:11

Tgt Ion:106 Resp: 8296
Ion Ratio Lower Upper
106 100
91 218.8 104.0 312.0



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): 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: VX019064.D

Acq: 23 Oct 2020 06:11

Instrument :

MSVOA_X

ClientSampleId :

201021075-01-VOA

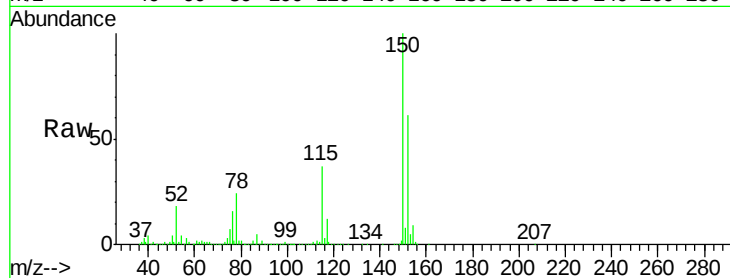
Tot Ion:152 Resp: 231968

Ion Ratio Lower Upper

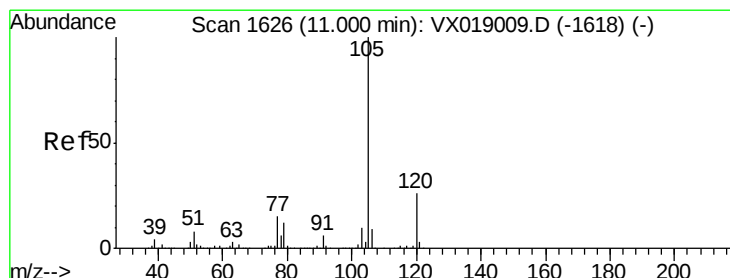
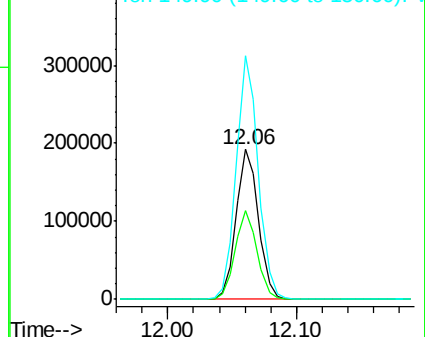
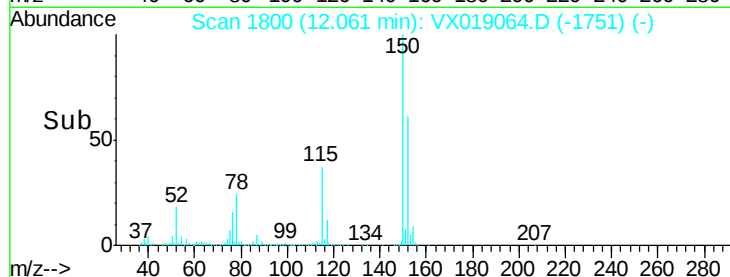
152 100

115 58.1 40.8 122.5

150 160.9 0.0 345.6



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



#73

Isopropylbenzene

Concen: 0.450 ug/l

RT: 11.00 min Scan# 1626

Delta R.T. -0.00 min

Lab File: VX019064.D

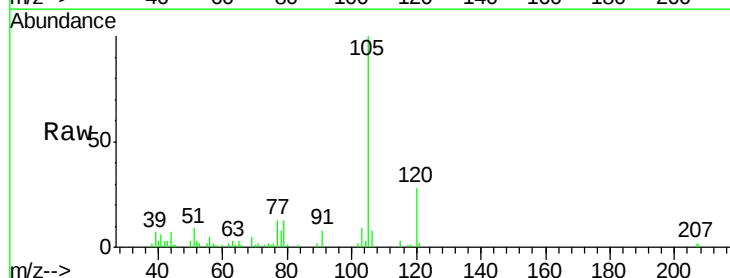
Acq: 23 Oct 2020 06:11

Tgt Ion:105 Resp: 7514

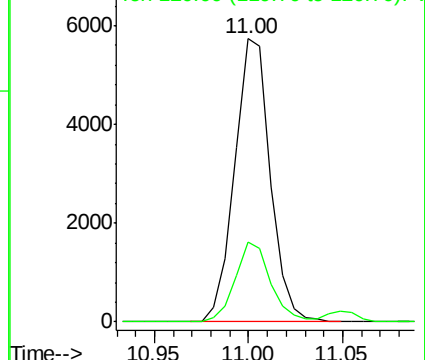
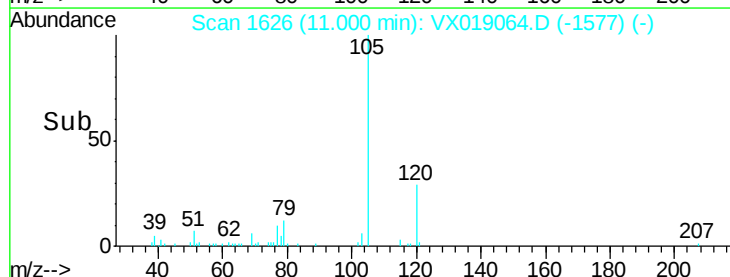
Ion Ratio Lower Upper

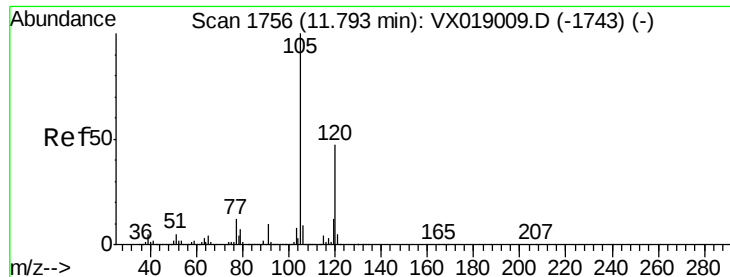
105 100

120 27.8 13.4 40.1



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V

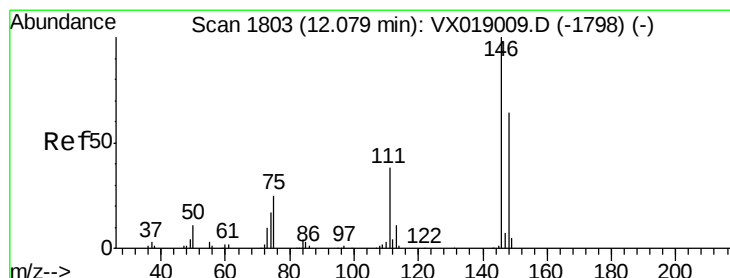
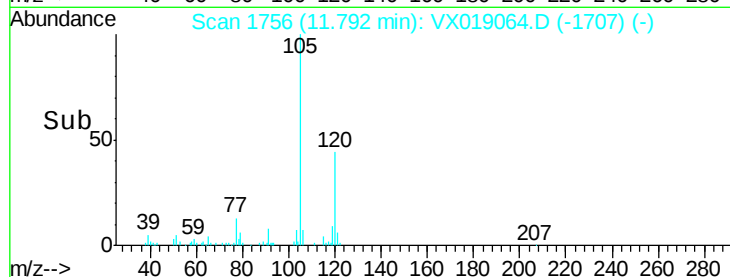
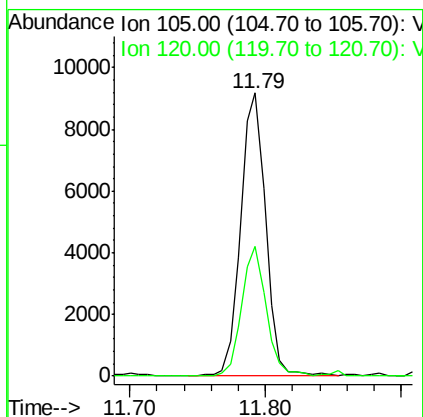
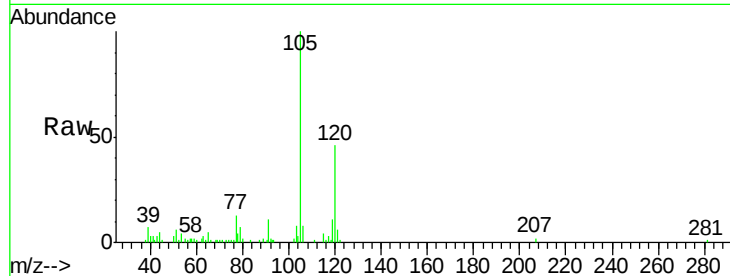




#84
 1,2,4-Trimethylbenzene
 Concen: 0.853 ug/l
 RT: 11.79 min Scan# 1756
 Delta R.T. -0.00 min
 Lab File: VX019064.D
 Acq: 23 Oct 2020 06:11

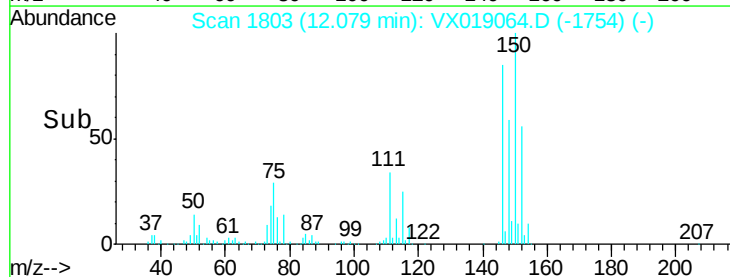
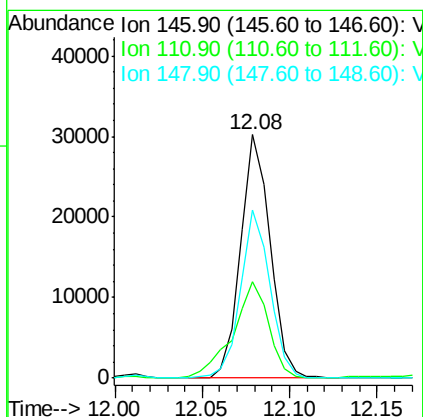
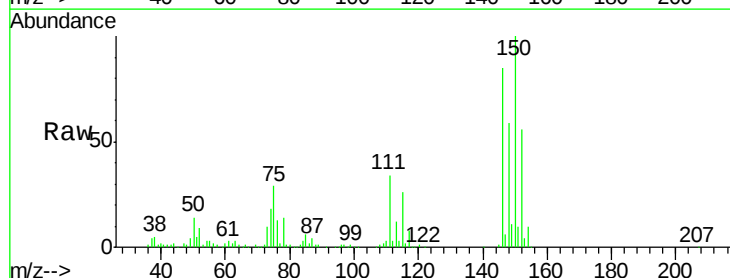
Instrument :
 MSVOA_X
 ClientSampleId :
 201021075-01-VOA

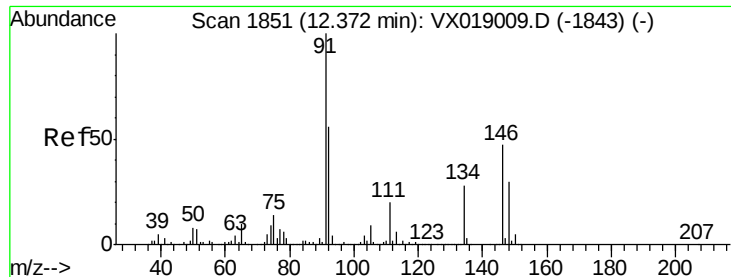
Tot Ion:105 Resp: 11769
 Ion Ratio Lower Upper
 105 100
 120 45.0 22.9 68.8



#88
 1,4-Dichlorobenzene
 Concen: 4.468 ug/l
 RT: 12.08 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VX019064.D
 Acq: 23 Oct 2020 06:11

Tgt Ion:146 Resp: 35445
 Ion Ratio Lower Upper
 146 100
 111 47.3 19.4 58.2
 148 69.4 32.2 96.6





#91

1,2-Dichlorobenzene

Concen: 0.276 ug/l

RT: 12.38 min Scan# 1852

Delta R.T. 0.01 min

Lab File: VX019064.D

Acq: 23 Oct 2020 06:11

Instrument :

MSVOA_X

ClientSampleId :

201021075-01-VOA

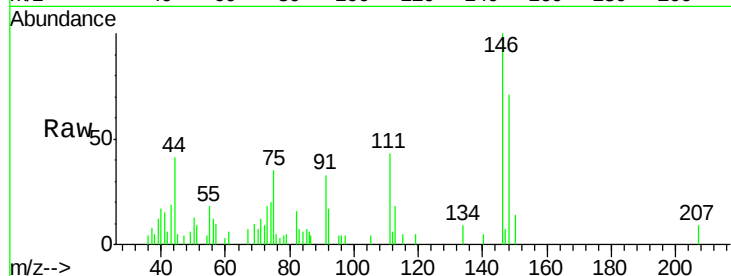
Tot Ion:146 Resp: 1987

Ion Ratio Lower Upper

146 100

111 45.9 19.9 59.7

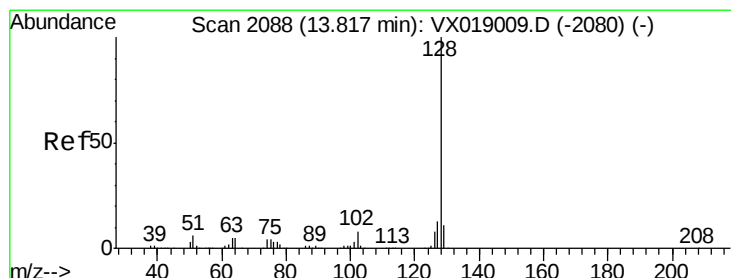
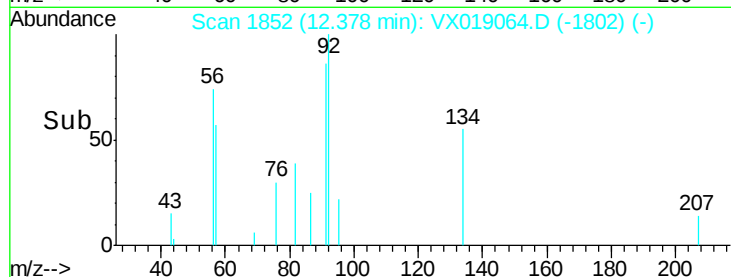
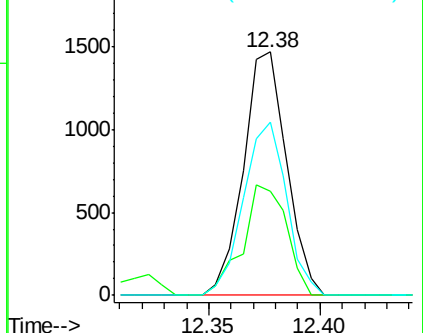
148 71.1 31.4 94.3



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



#95

Naphthalene

Concen: 2.622 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. -0.00 min

Lab File: VX019064.D

Acq: 23 Oct 2020 06:11

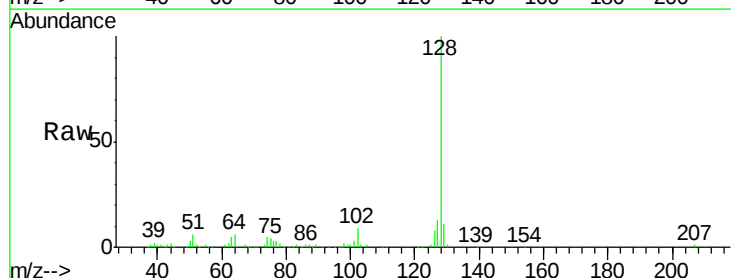
Tgt Ion:128 Resp: 43502

Ion Ratio Lower Upper

128 100

127 13.0 10.5 15.7

129 10.8 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

