

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062620\
 Data File : VX016977.D
 Acq On : 26 Jun 2020 12:50
 Operator : JC/SP
 Sample : L3112-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 16S-20200624

Quant Time: Jun 27 03:01:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062620W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 26 08:34:16 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	204752	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	367529	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	369144	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	187991	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	162378	52.52	ug/l	0.00
Spiked Amount			Recovery	=	105.04%	
35) Dibromofluoromethane	5.46	113	121811	50.18	ug/l	0.00
Spiked Amount			Recovery	=	100.36%	
50) Toluene-d8	8.70	98	455260	51.16	ug/l	0.00
Spiked Amount			Recovery	=	102.32%	
62) 4-Bromofluorobenzene	11.12	95	187613	54.53	ug/l	0.00
Spiked Amount			Recovery	=	109.06%	

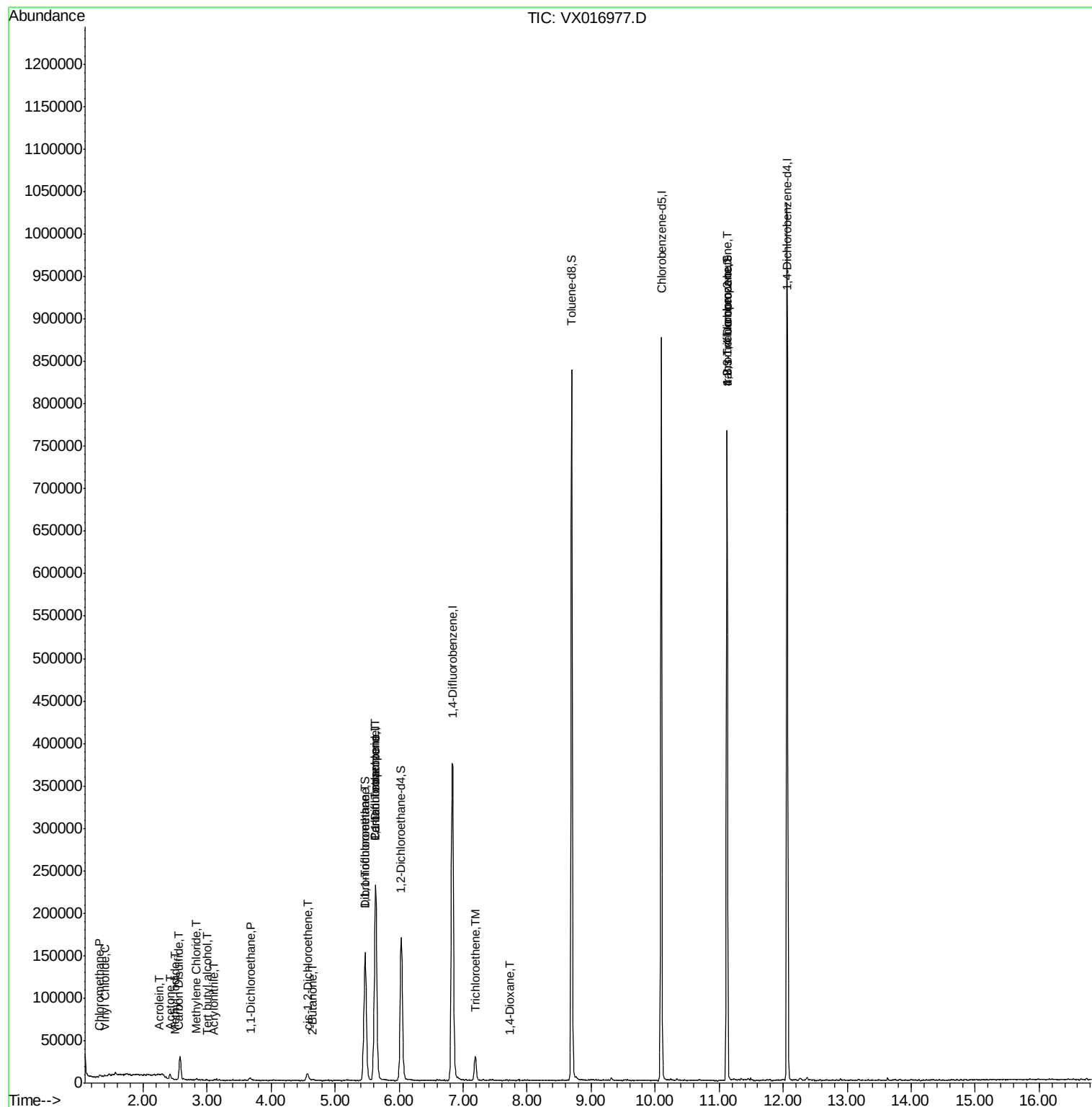
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	1454	0.580	ug/l #	76
4) Vinyl Chloride	1.39	62	552	0.215	ug/l #	75
5) Bromomethane	1.64	94	508	Below Cal	#	80
10) Methyl Iodide	2.50	142	268	2.873	ug/l #	79
11) Tert butyl alcohol	3.01	59	286	0.490	ug/l #	83
13) Acrolein	2.26	56	319	0.737	ug/l	87
15) Acrylonitrile	3.11	53	317	0.234	ug/l #	48
16) Acetone	2.42	43	5500	4.551	ug/l	99
17) Carbon Disulfide	2.55	76	1523	0.212	ug/l #	58
20) Methylene Chloride	2.84	84	714	0.260	ug/l #	87
24) 1,1-Dichloroethane	3.68	63	3465	0.746	ug/l #	82
25) 2-Butanone	4.65	43	606	0.329	ug/l #	87
27) cis-1,2-Dichloroethene	4.56	96	5029	1.775	ug/l	83
32) 1,1,1-Trichloroethane	5.47	97	3164	0.757	ug/l #	41
36) 1,1-Dichloropropene	5.63	75	18228	5.009	ug/l #	52
38) Carbon Tetrachloride	5.63	117	22290	5.787	ug/l #	16
44) Trichloroethene	7.19	130	10347	3.709	ug/l	96
49) 1,4-Dioxane	7.73	88	103	1.612	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	104504	26.489	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	104504	67.252	ug/l #	9

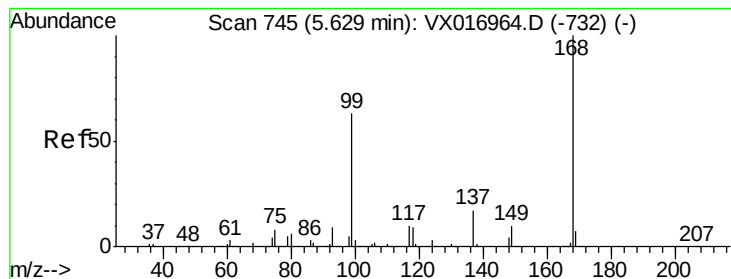
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX062620\
Data File : VX016977.D
Acq On : 26 Jun 2020 12:50
Operator : JC/SP
Sample : L3112-06
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
16S-20200624

Quant Time: Jun 27 03:01:43 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X062620W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 26 08:34:16 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: VX016977.D

Acq: 26 Jun 2020 12:50

Instrument :

MSVOA_X

ClientSampleId :

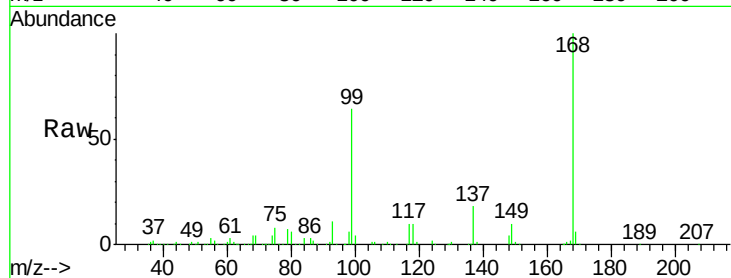
16S-20200624

Tot Ion:168 Resp: 204752

Ion Ratio Lower Upper

168 100

99 63.8 50.2 75.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

80000

60000

40000

20000

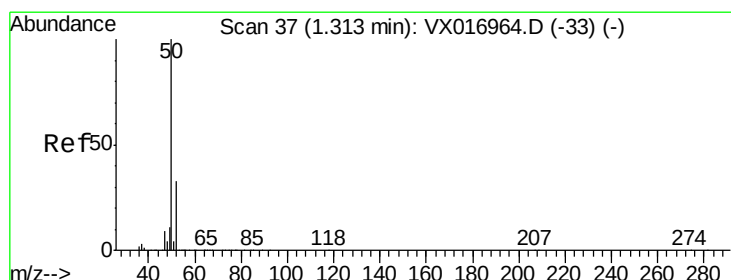
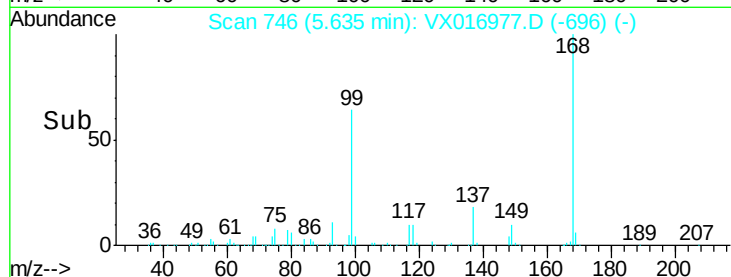
0

Time-->

5.50

5.60

5.70



#3

Chloromethane

Concen: 0.580 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX016977.D

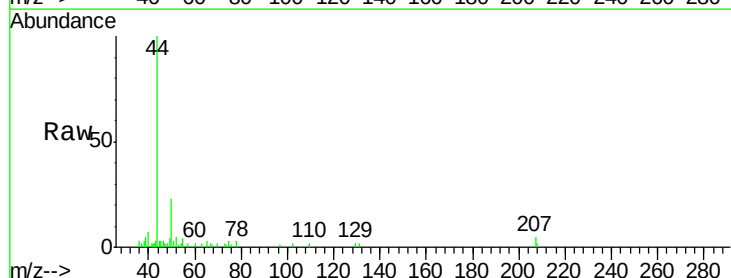
Acq: 26 Jun 2020 12:50

Tgt Ion: 50 Resp: 1454

Ion Ratio Lower Upper

50 100

52 19.6 26.6 40.0#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.31

1000

800

600

400

200

0

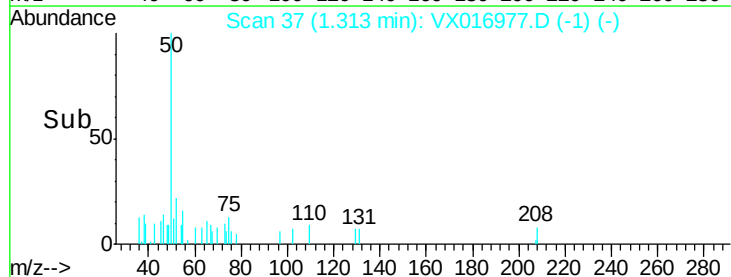
Time-->

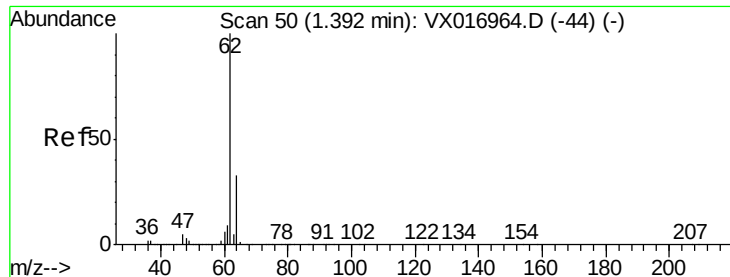
1.25

1.30

1.35

1.40





#4

Vinyl Chloride

Concen: 0.215 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX016977.D

Acq: 26 Jun 2020 12:50

Instrument :

MSVOA_X

ClientSampleId :

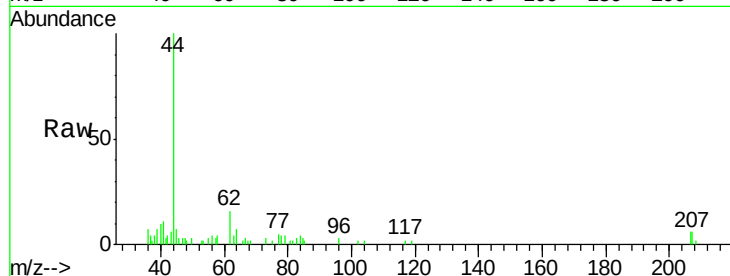
16S-20200624

Tot Ion: 62 Resp: 552

Ion Ratio Lower Upper

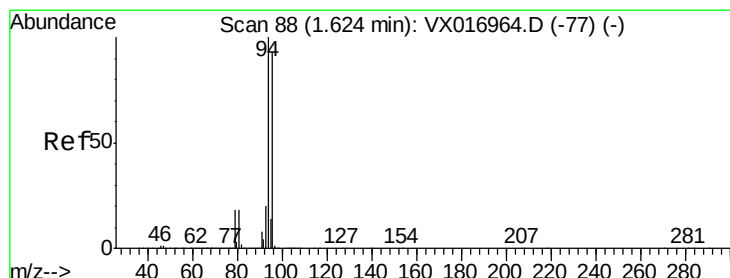
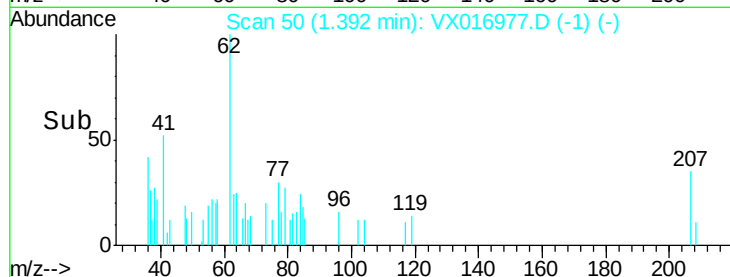
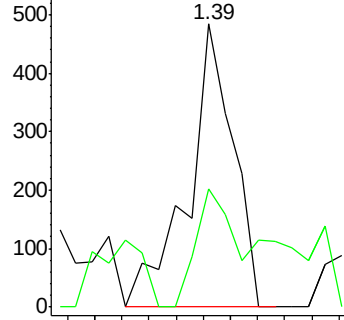
62 100

64 18.6 26.3 39.5#



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 90

Delta R.T. 0.01 min

Lab File: VX016977.D

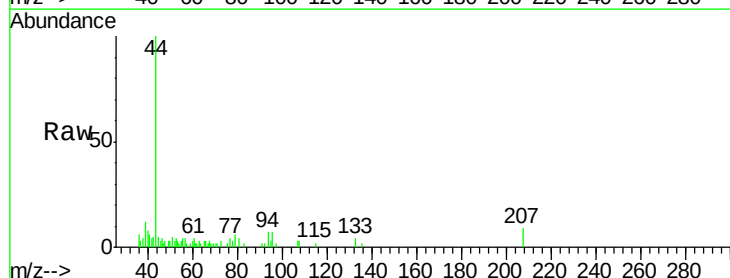
Acq: 26 Jun 2020 12:50

Tgt Ion: 94 Resp: 508

Ion Ratio Lower Upper

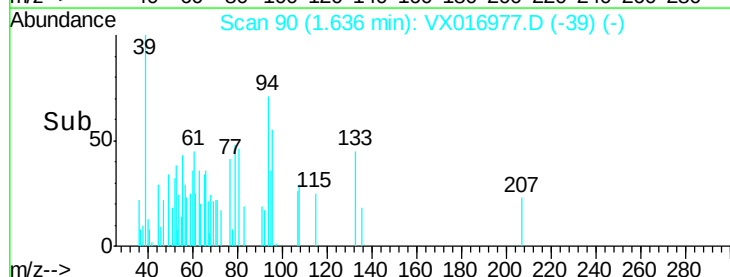
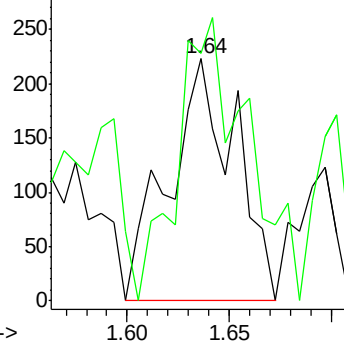
94 100

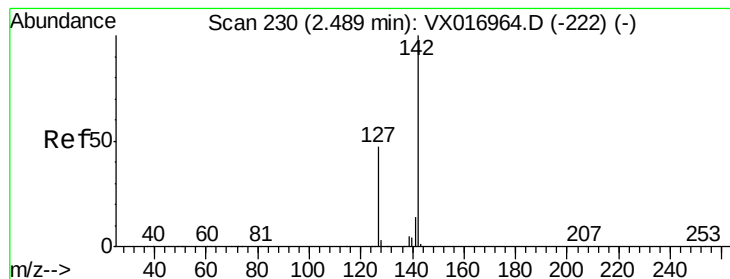
96 73.5 74.2 111.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#10

Methvl Iodide

Concen: 2.873 ug/l

RT: 2.50 min Scan# 232

Delta R.T. 0.01 min

Lab File: VX016977.D

Acq: 26 Jun 2020 12:50

Instrument :

MSVOA_X

ClientSampleId :

16S-20200624

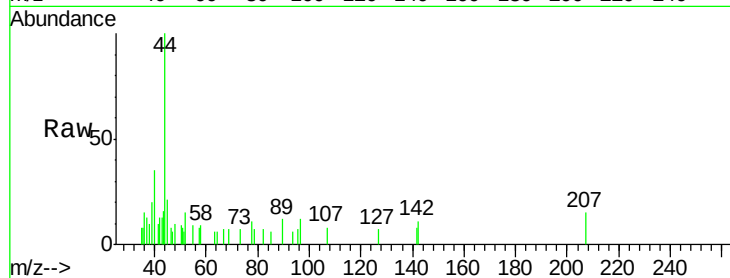
Tot Ion:142 Resp: 268

Ion Ratio Lower Upper

142 100

127 35.4 37.4 56.0#

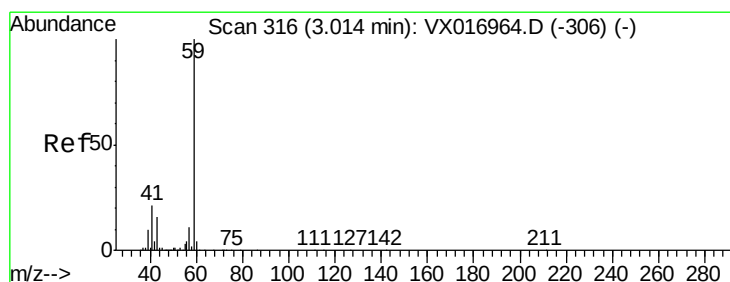
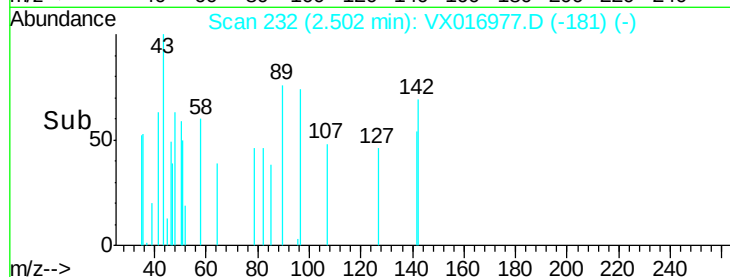
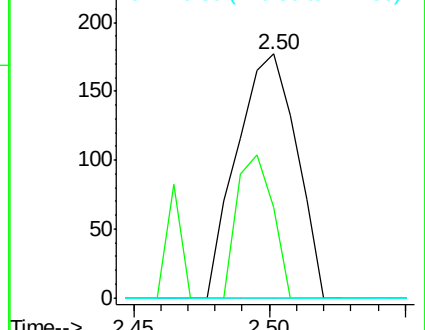
141 0.0 11.7 17.5#



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: 0.490 ug/l

RT: 3.01 min Scan# 315

Delta R.T. -0.01 min

Lab File: VX016977.D

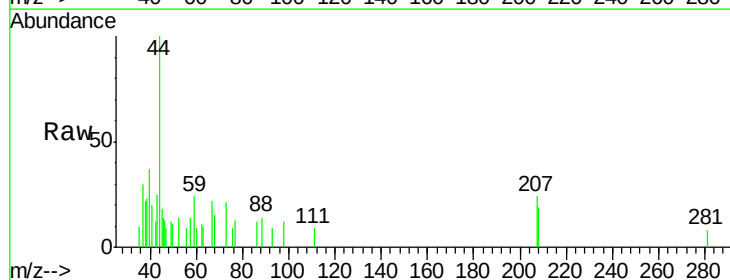
Acq: 26 Jun 2020 12:50

Tgt Ion: 59 Resp: 286

Ion Ratio Lower Upper

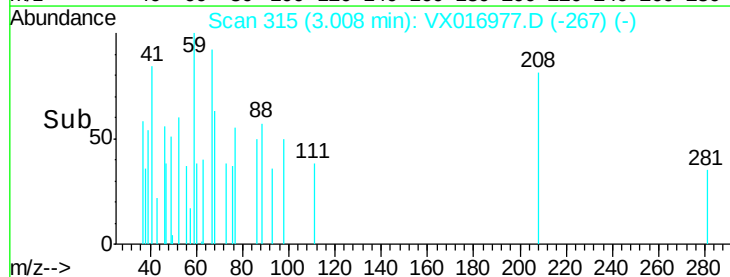
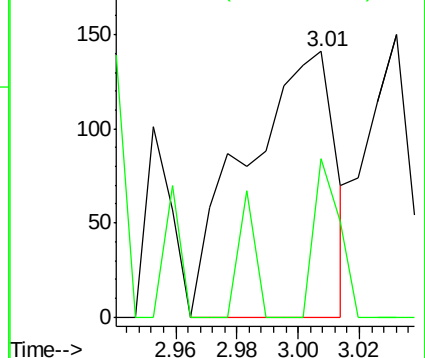
59 100

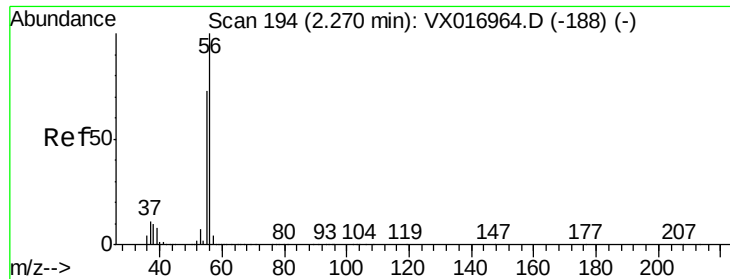
57 17.1 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

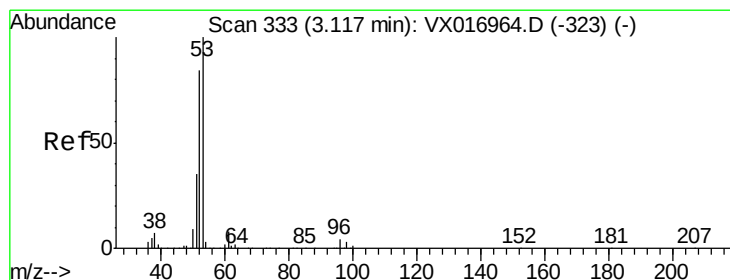
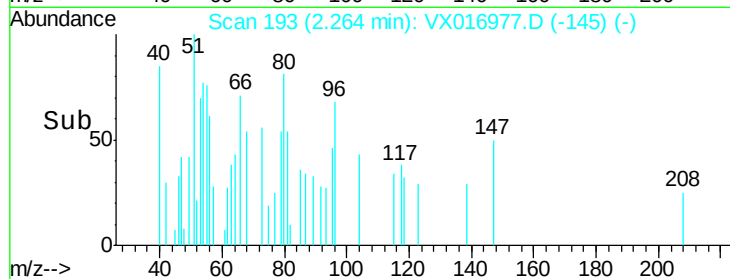
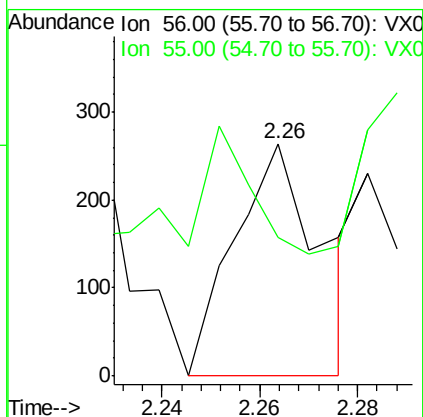
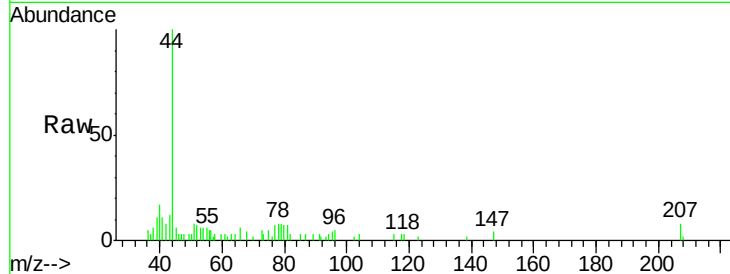




#13
Acrolein
Concen: 0.737 ug/l
RT: 2.26 min Scan# 193
Delta R.T. -0.01 min
Lab File: VX016977.D
Acq: 26 Jun 2020 12:50

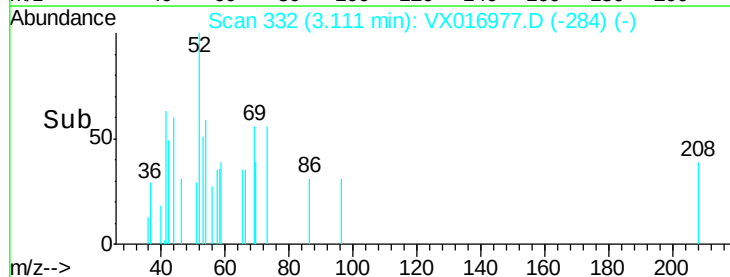
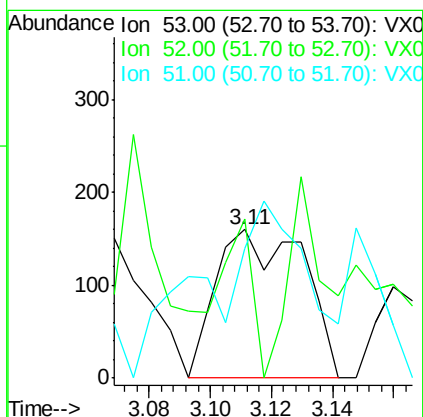
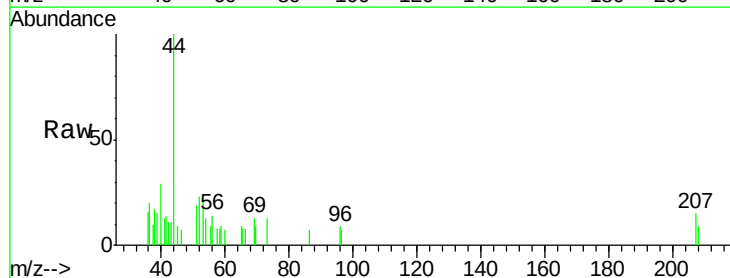
Instrument :
MSVOA_X
ClientSampleId :
16S-20200624

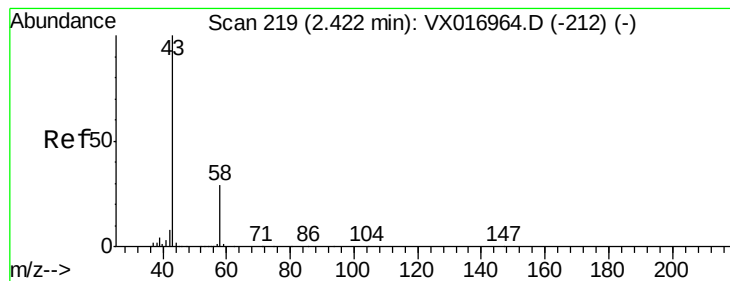
Tot Ion: 56 Resp: 319
Ion Ratio Lower Upper
56 100
55 83.1 57.5 86.3



#15
Acrylonitrile
Concen: 0.234 ug/l
RT: 3.11 min Scan# 332
Delta R.T. -0.01 min
Lab File: VX016977.D
Acq: 26 Jun 2020 12:50

Tgt Ion: 53 Resp: 317
Ion Ratio Lower Upper
53 100
52 34.1 66.3 99.5#
51 64.7 29.0 43.6#





#16

Acetone

Concen: 4.551 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX016977.D

Acq: 26 Jun 2020 12:50

Instrument :

MSVOA_X

ClientSampleId :

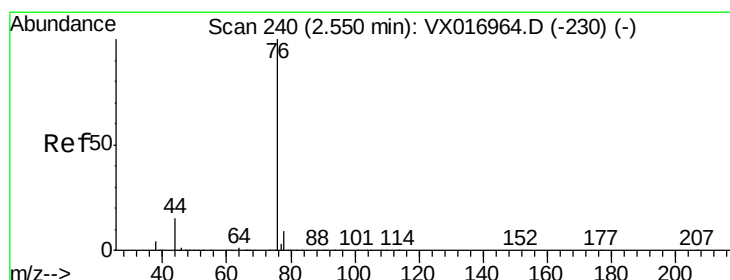
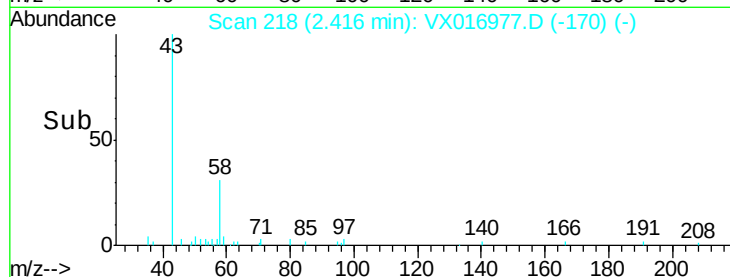
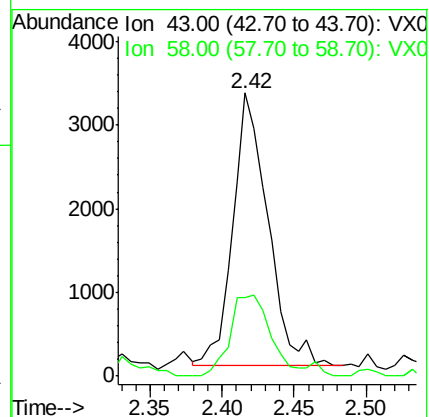
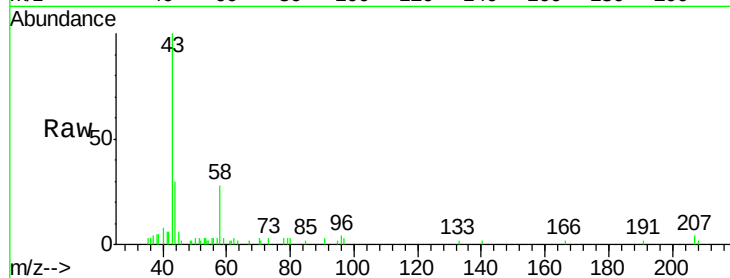
16S-20200624

Tot Ion: 43 Resp: 5500

Ion Ratio Lower Upper

43 100

58 29.0 23.5 35.3



#17

Carbon Disulfide

Concen: 0.212 ug/l

RT: 2.55 min Scan# 240

Delta R.T. -0.00 min

Lab File: VX016977.D

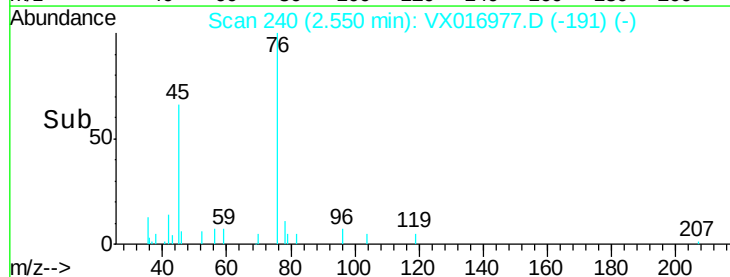
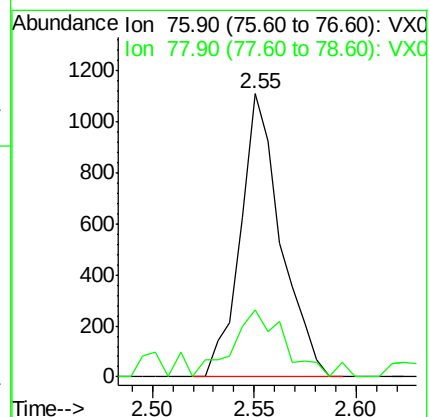
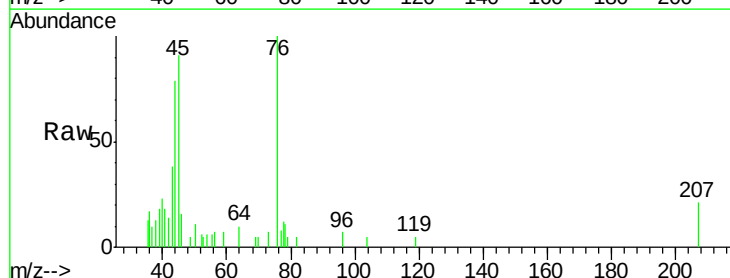
Acq: 26 Jun 2020 12:50

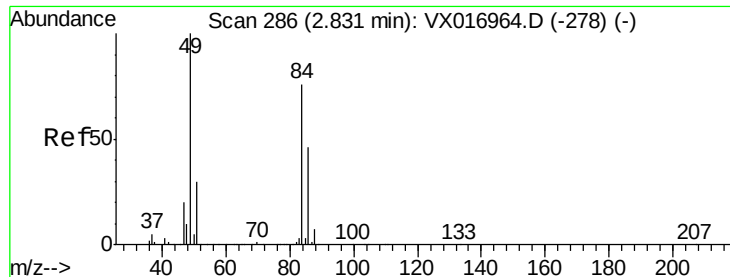
Tgt Ion: 76 Resp: 1523

Ion Ratio Lower Upper

76 100

78 23.9 7.0 10.4#

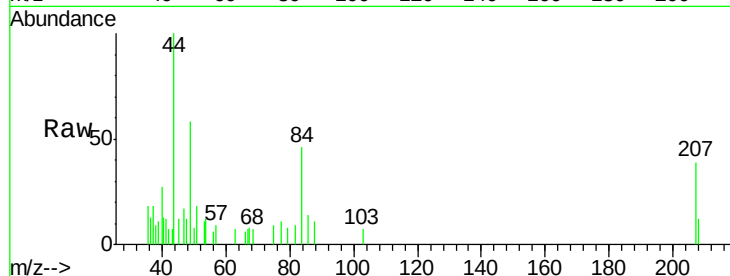




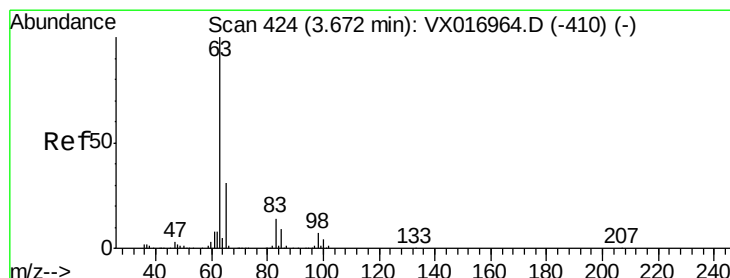
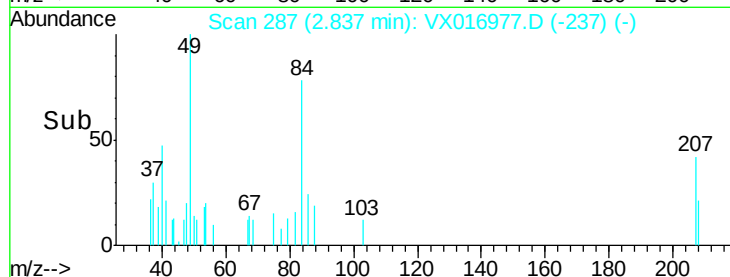
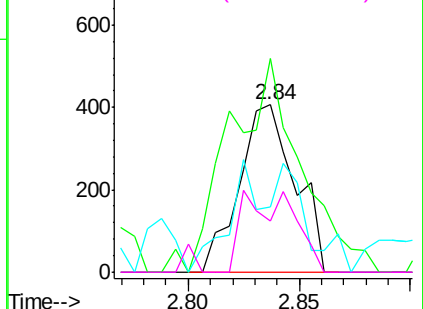
#20
Methylene Chloride
Concen: 0.260 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.01 min
Lab File: VX016977.D
Acq: 26 Jun 2020 12:50

Instrument :
MSVOA_X
ClientSampleId :
16S-20200624

Tot Ion: 84 Resp: 714
Ion Ratio Lower Upper
84 100
49 127.5 105.6 158.4
51 38.6 31.2 46.8
86 30.5 48.8 73.2#

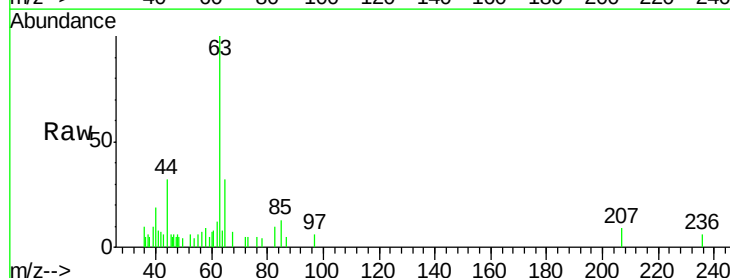


Abundance Ion 83.90 (83.60 to 84.60): VX0
Ion 48.90 (48.60 to 49.60): VX0
Ion 50.90 (50.60 to 51.60): VX0
Ion 85.90 (85.60 to 86.60): VX0

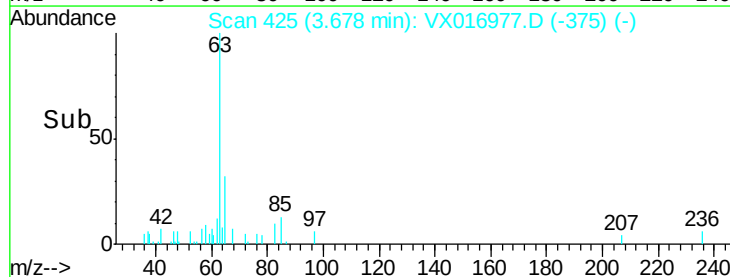
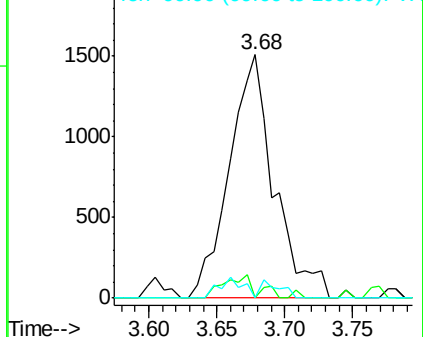


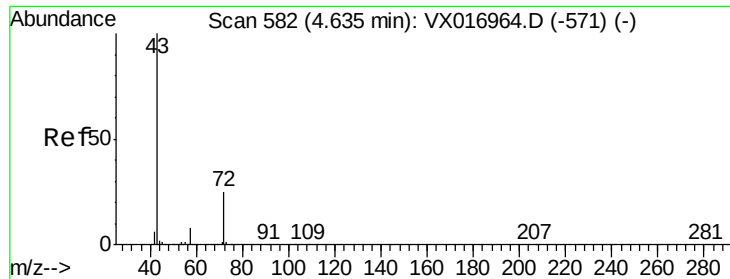
#24
1,1-Dichloroethane
Concen: 0.746 ug/l
RT: 3.68 min Scan# 425
Delta R.T. 0.01 min
Lab File: VX016977.D
Acq: 26 Jun 2020 12:50

Tgt Ion: 63 Resp: 3465
Ion Ratio Lower Upper
63 100
98 0.0 3.6 10.8#
100 0.0 2.1 6.3#



Abundance Ion 62.90 (62.60 to 63.60): VX0
Ion 97.90 (97.60 to 98.60): VX0
Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 0.329 ug/l

RT: 4.65 min Scan# 584

Delta R.T. 0.01 min

Lab File: VX016977.D

Acq: 26 Jun 2020 12:50

Instrument :

MSVOA_X

ClientSampleId :

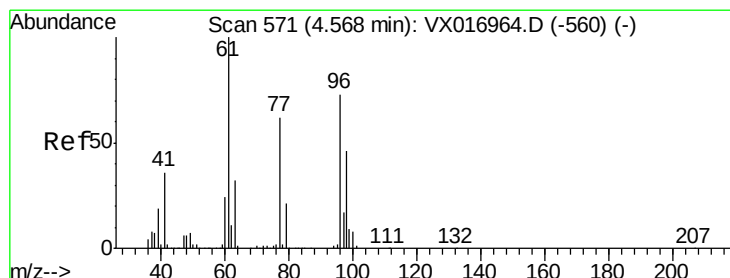
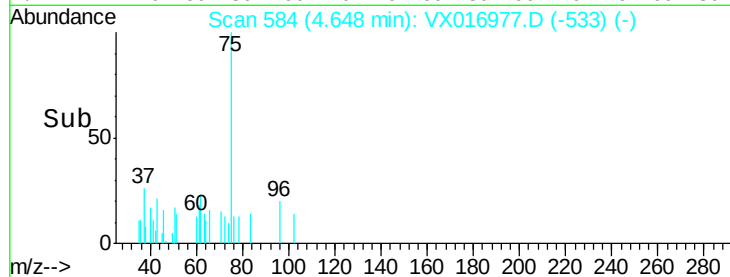
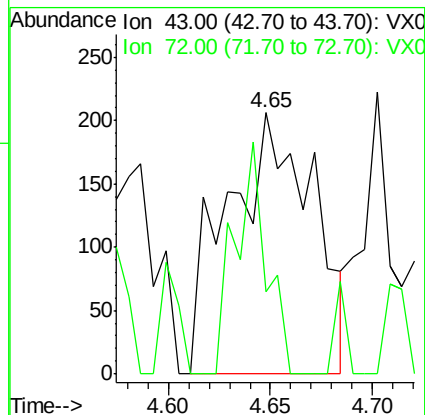
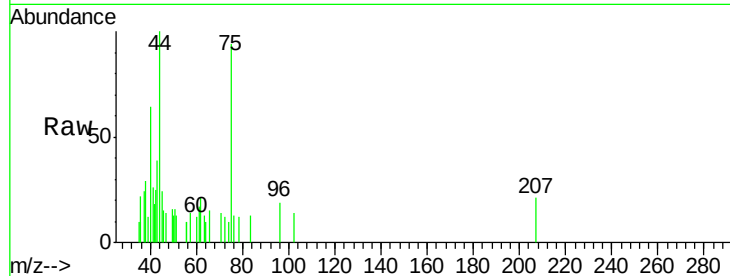
16S-20200624

Tot Ion: 43 Resp: 606

Ion Ratio Lower Upper

43 100

72 31.6 20.0 30.0#



#27

cis-1,2-Dichloroethene

Concen: 1.775 ug/l

RT: 4.56 min Scan# 570

Delta R.T. -0.01 min

Lab File: VX016977.D

Acq: 26 Jun 2020 12:50

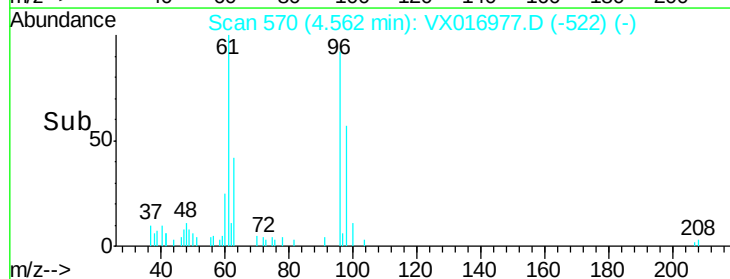
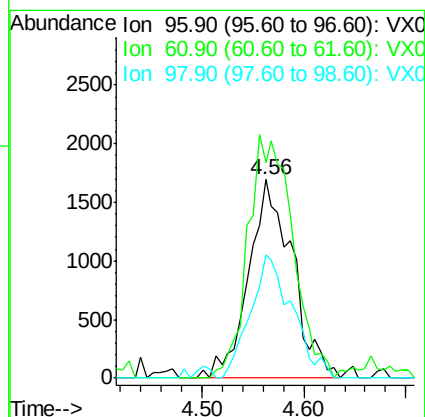
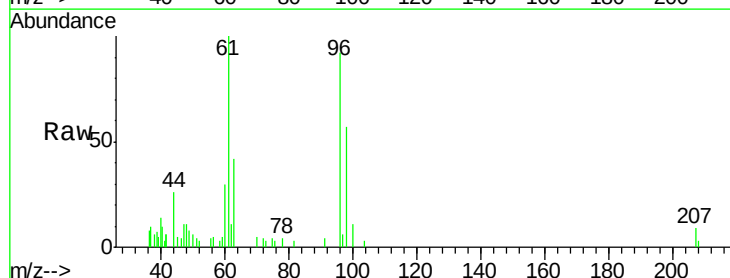
Tgt Ion: 96 Resp: 5029

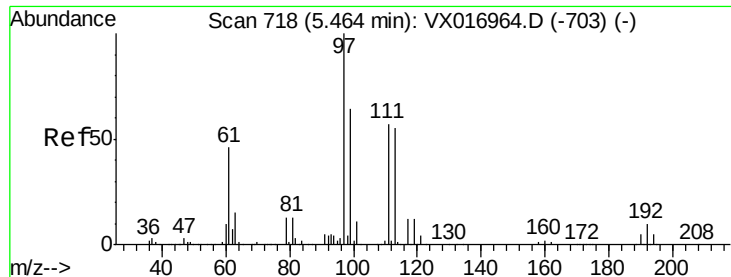
Ion Ratio Lower Upper

96 100

61 125.6 0.0 307.2

98 59.7 0.0 128.4





#32

1,1,1-Trichloroethane

Concen: 0.757 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.01 min

Lab File: VX016977.D

Acq: 26 Jun 2020 12:50

Instrument :

MSVOA_X

ClientSampled :

16S-20200624

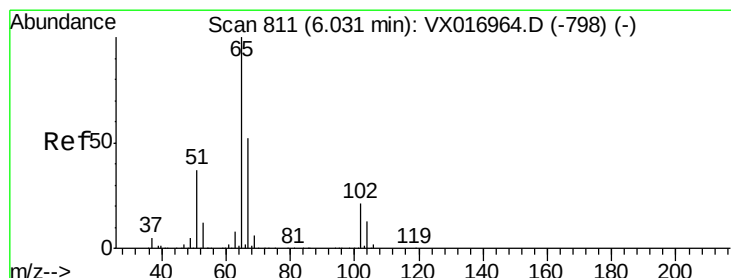
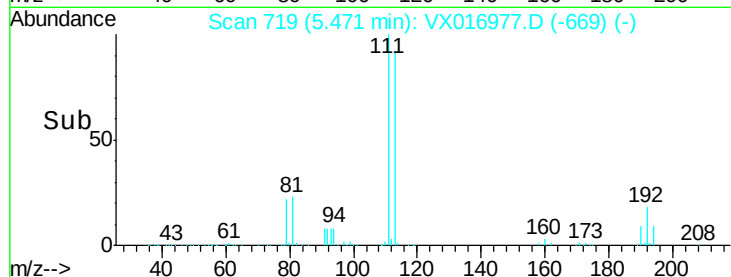
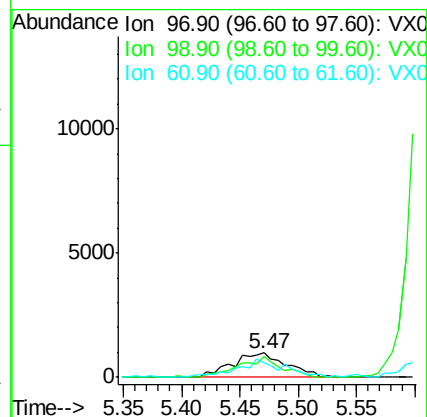
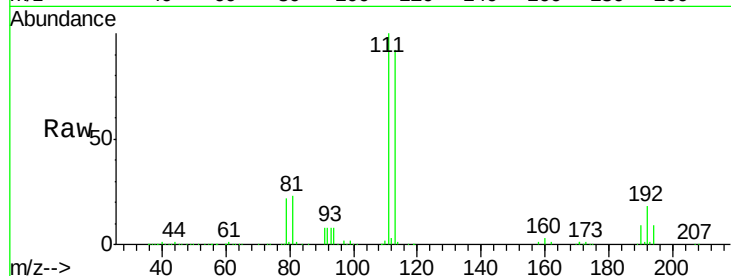
Tot Ion: 97 Resp: 3164

Ion Ratio Lower Upper

97 100

99 0.0 51.4 77.2#

61 64.0 37.0 55.4#



#33

1,2-Dichloroethane-d4

Concen: 52.516 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX016977.D

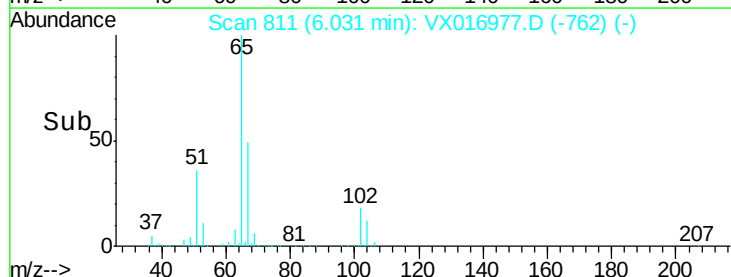
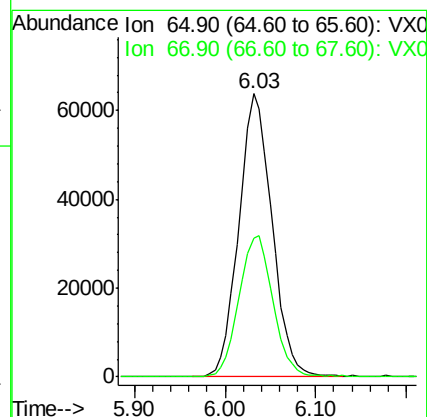
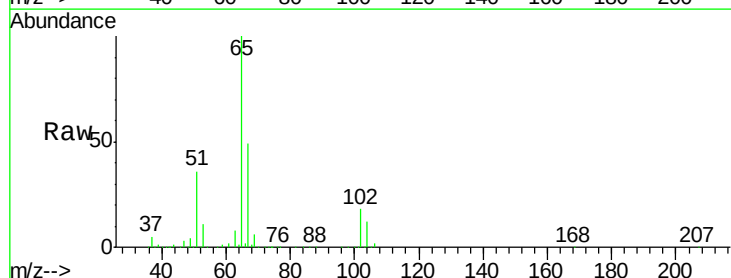
Acq: 26 Jun 2020 12:50

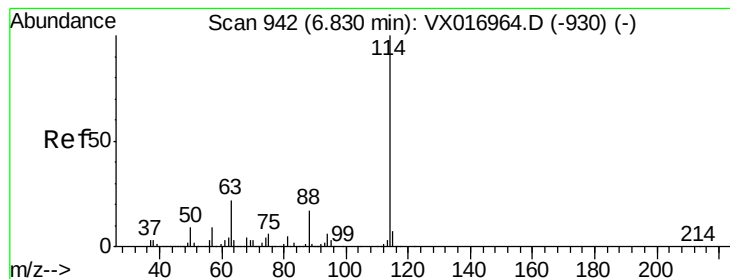
Tgt Ion: 65 Resp: 162378

Ion Ratio Lower Upper

65 100

67 50.9 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: VX016977.D

Acq: 26 Jun 2020 12:50

Instrument :

MSVOA_X

ClientSampleId :

16S-20200624

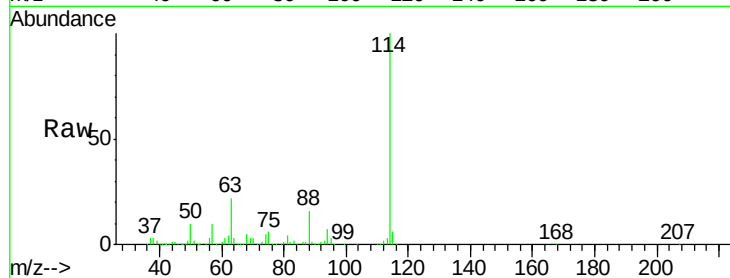
Tot Ion:114 Resp: 367529

Ion Ratio Lower Upper

114 100

63 21.9 0.0 44.4

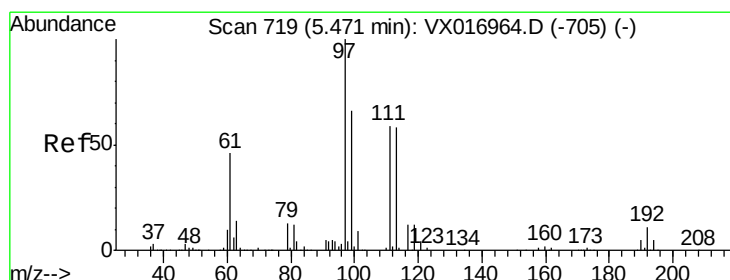
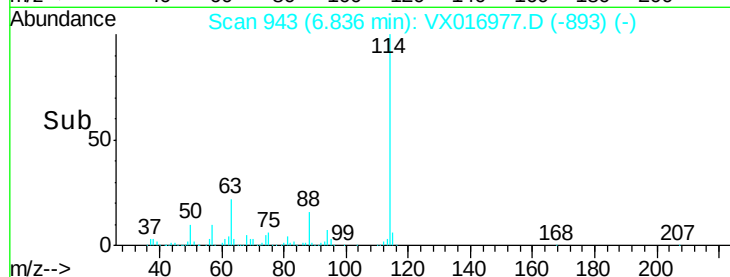
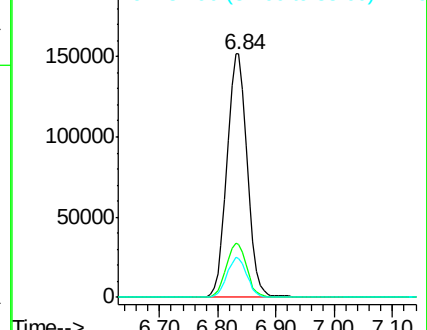
88 15.8 0.0 33.2



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: 50.181 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.01 min

Lab File: VX016977.D

Acq: 26 Jun 2020 12:50

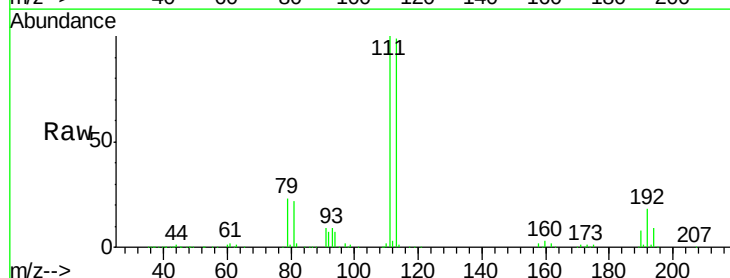
Tgt Ion:113 Resp: 121811

Ion Ratio Lower Upper

113 100

111 103.6 84.3 126.5

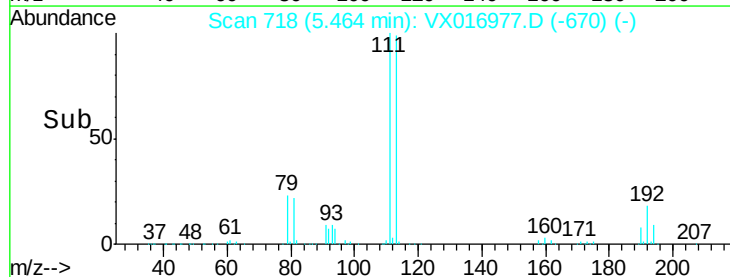
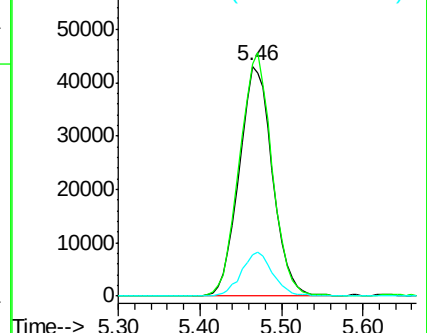
192 18.1 15.2 22.8

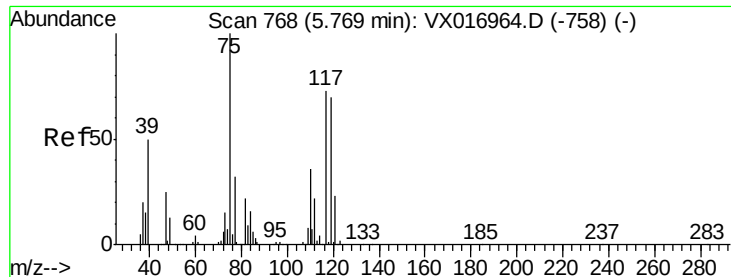


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.009 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX016977.D

Acq: 26 Jun 2020 12:50

Instrument :

MSVOA_X

ClientSampleId :

16S-20200624

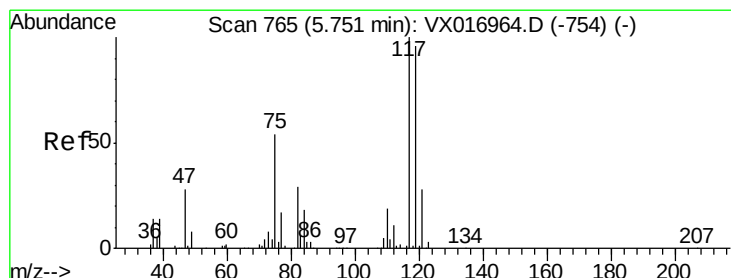
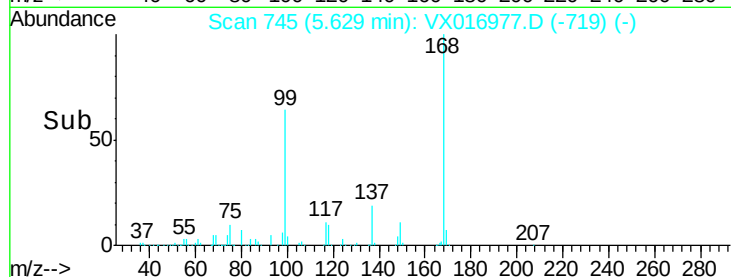
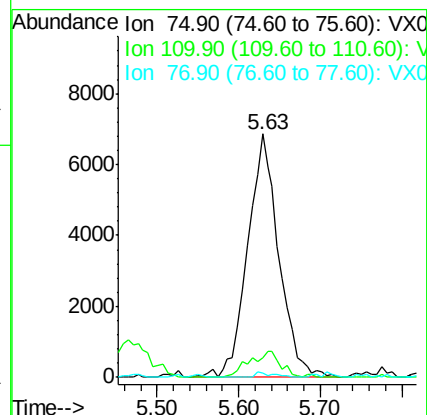
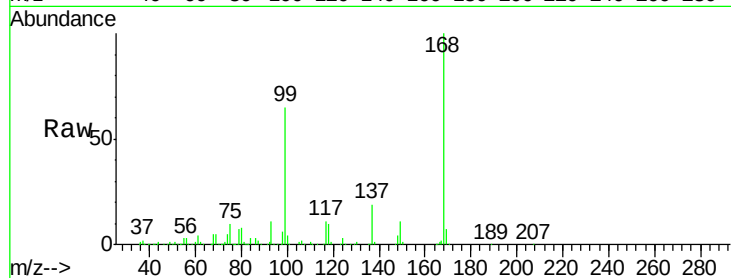
Tot Ion: 75 Resp: 18228

Ion Ratio Lower Upper

75 100

110 10.7 17.2 51.6#

77 0.9 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 5.787 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX016977.D

Acq: 26 Jun 2020 12:50

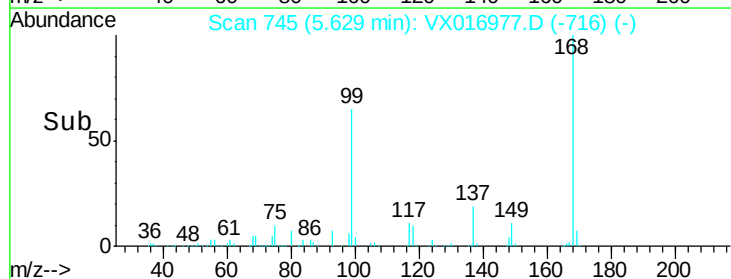
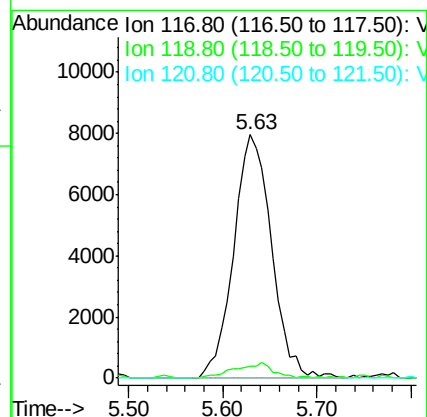
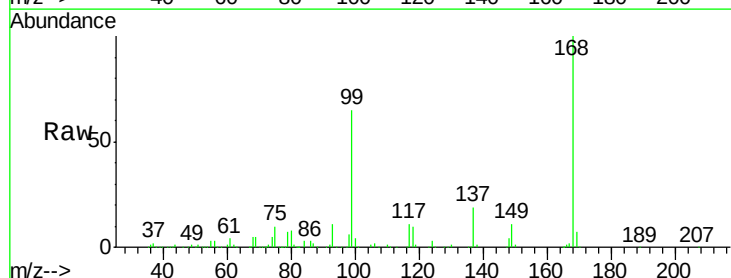
Tgt Ion:117 Resp: 22290

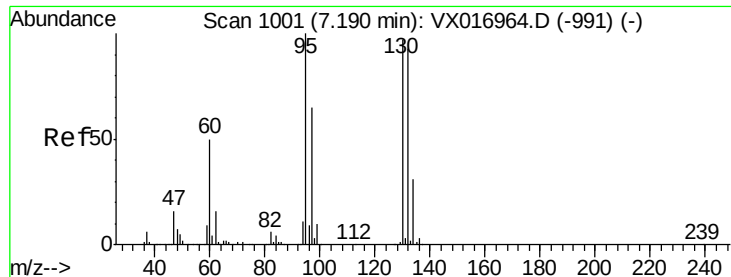
Ion Ratio Lower Upper

117 100

119 4.9 76.6 114.8#

121 0.0 22.5 33.7#





#44

Trichloroethene

Concen: 3.709 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VX016977.D

Acq: 26 Jun 2020 12:50

Instrument :

MSVOA_X

ClientSampled :

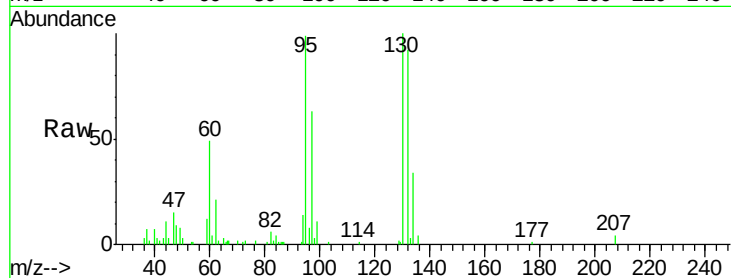
16S-20200624

Tot Ion:130 Resp: 10347

Ion Ratio Lower Upper

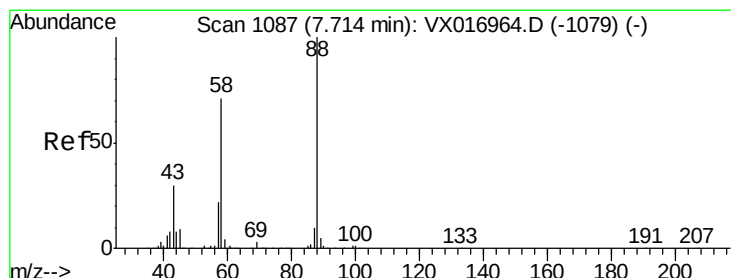
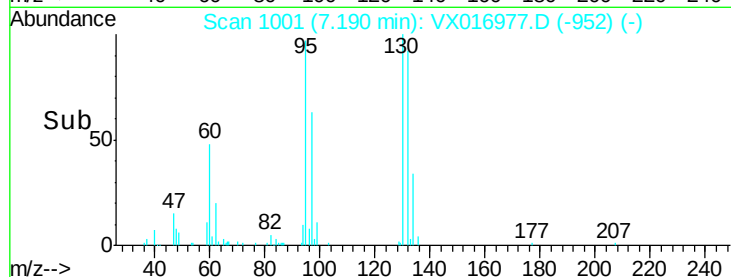
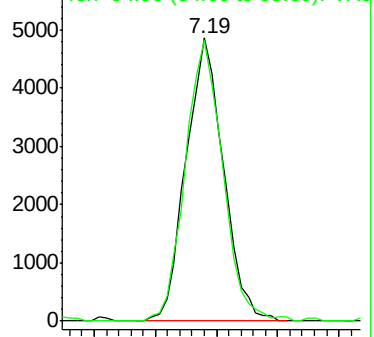
130 100

95 99.1 0.0 206.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#49

1,4-Dioxane

Concen: 1.612 ug/l

RT: 7.73 min Scan# 1089

Delta R.T. 0.01 min

Lab File: VX016977.D

Acq: 26 Jun 2020 12:50

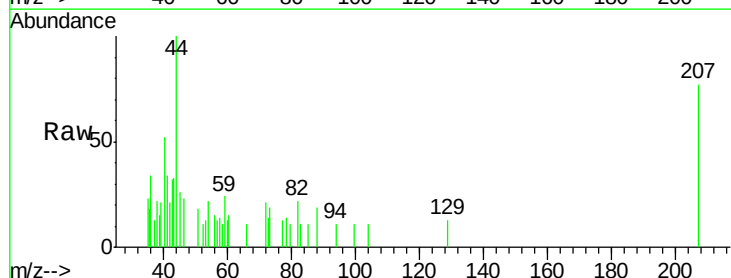
Tgt Ion: 88 Resp: 103

Ion Ratio Lower Upper

88 100

43 171.8 28.1 42.1#

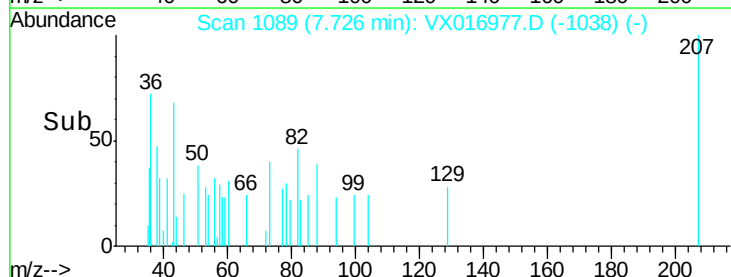
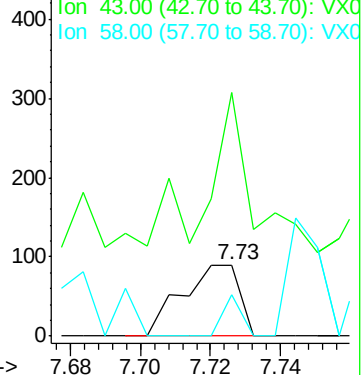
58 143.7 56.1 84.1#

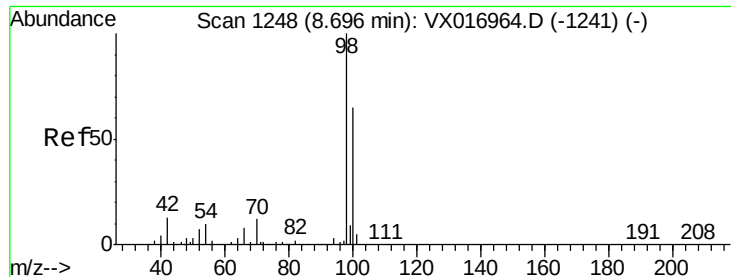


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 51.164 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016977.D

Acq: 26 Jun 2020 12:50

Instrument :

MSVOA_X

ClientSampleId :

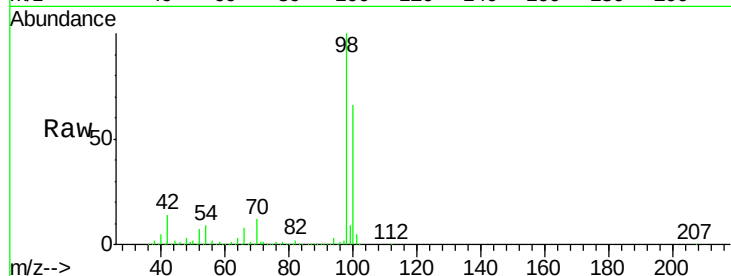
16S-20200624

Tot Ion: 98 Resp: 455260

Ion Ratio Lower Upper

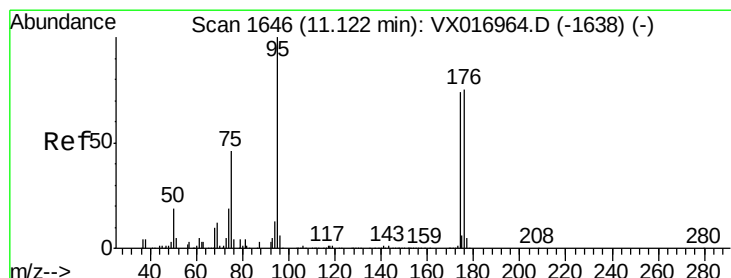
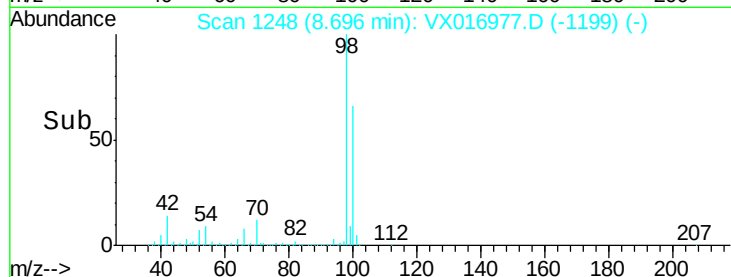
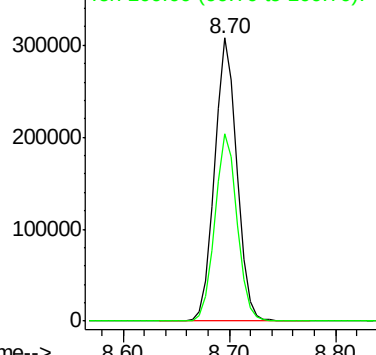
98 100

100 65.9 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#62

4-Bromofluorobenzene

Concen: 54.526 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016977.D

Acq: 26 Jun 2020 12:50

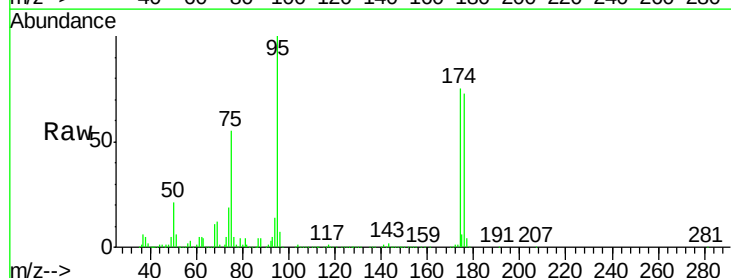
Tgt Ion: 95 Resp: 187613

Ion Ratio Lower Upper

95 100

174 74.2 0.0 149.6

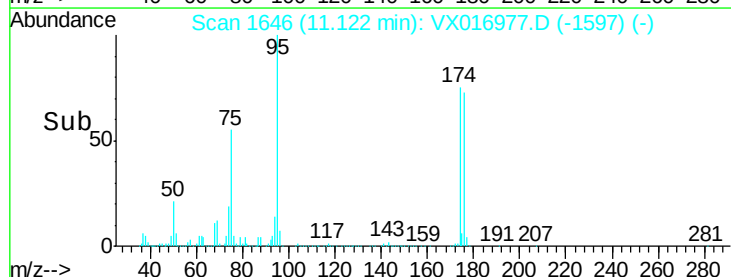
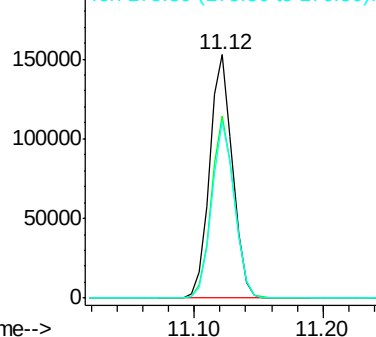
176 71.5 0.0 148.2

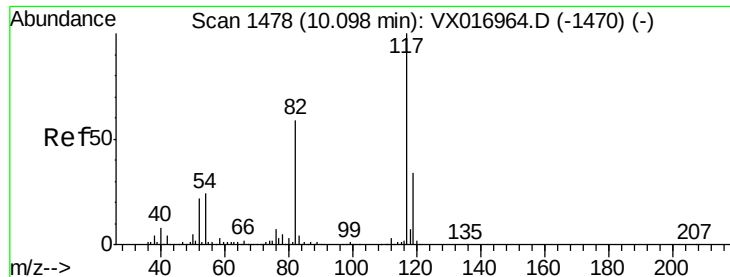


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX016977.D

Acq: 26 Jun 2020 12:50

Instrument :

MSVOA_X

ClientSampleId :

16S-20200624

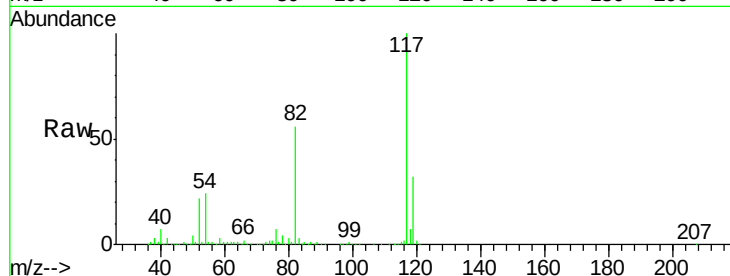
Tot Ion:117 Resp: 369144

Ion Ratio Lower Upper

117 100

82 55.9 46.8 70.2

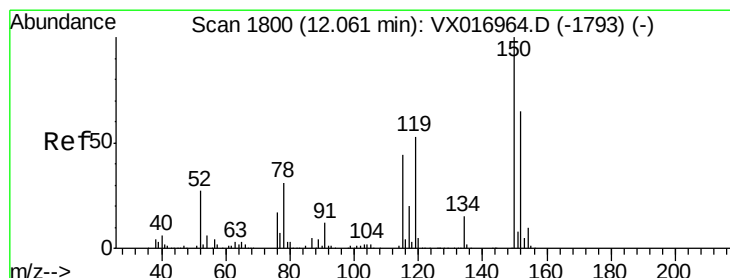
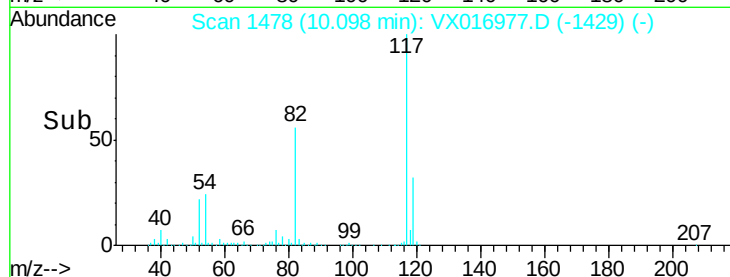
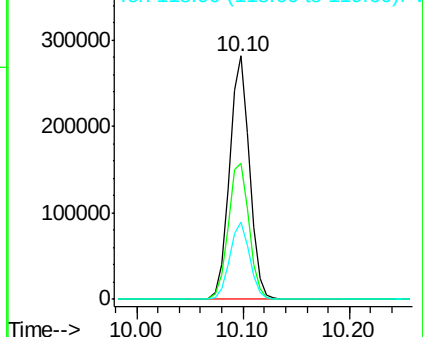
119 32.0 27.3 40.9



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX016977.D

Acq: 26 Jun 2020 12:50

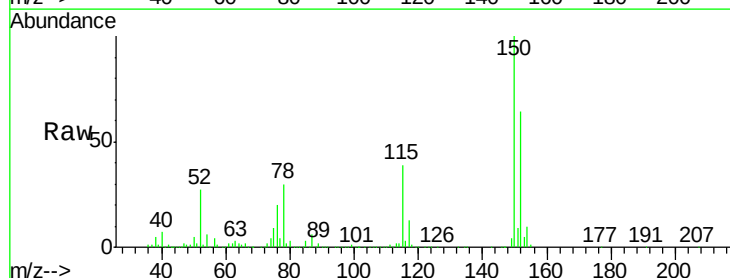
Tgt Ion:152 Resp: 187991

Ion Ratio Lower Upper

152 100

115 61.0 42.8 128.4

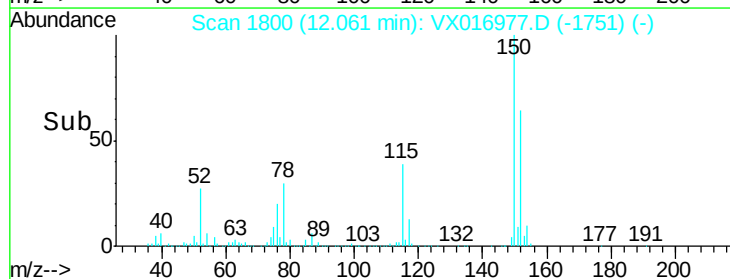
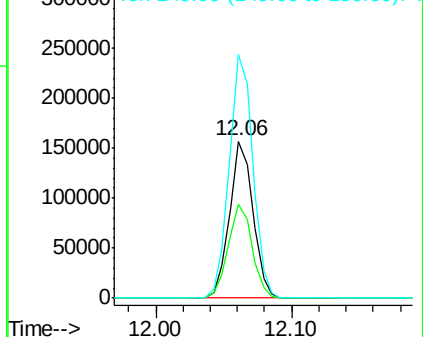
150 157.2 0.0 347.8

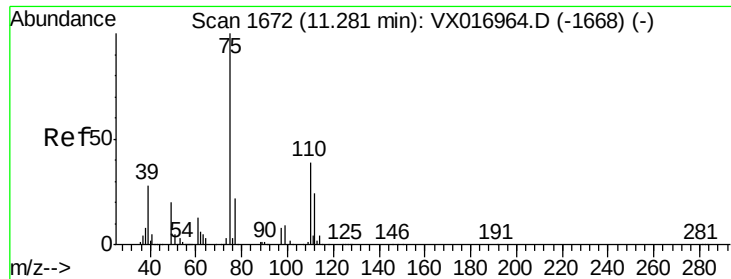


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

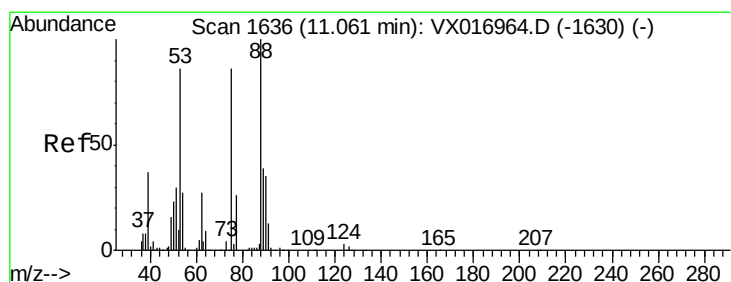
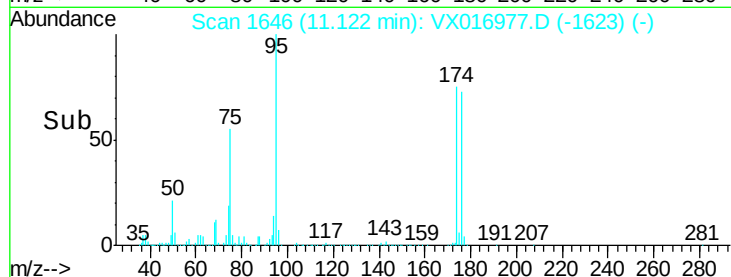
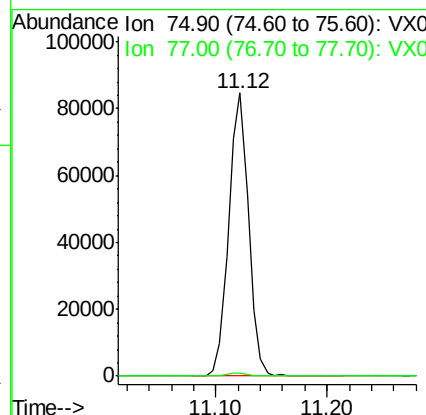
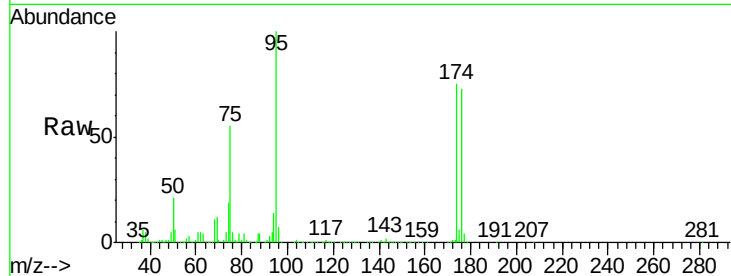




#76
 1,2,3-Trichloropropane
 Concen: 26.489 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. -0.16 min
 Lab File: VX016977.D
 Acq: 26 Jun 2020 12:50

Instrument :
 MSVOA_X
 ClientSampleId :
 16S-20200624

Tot Ion: 75 Resp: 104504
 Ion Ratio Lower Upper
 75 100
 77 1.3 20.3 61.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 67.252 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. 0.06 min
 Lab File: VX016977.D
 Acq: 26 Jun 2020 12:50

Tgt Ion: 75 Resp: 104504
 Ion Ratio Lower Upper
 75 100
 53 0.3 81.9 122.9#
 89 0.0 35.5 53.3#

