

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062620\
 Data File : VX016992.D
 Acq On : 26 Jun 2020 18:31
 Operator : JC/SP
 Sample : L3112-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 27 04:27:58 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	246567	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	449351	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	456166	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	238423	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	186972	50.21	ug/l	0.00
Spiked Amount			Recovery	=	100.42%	
35) Dibromofluoromethane	5.47	113	148087	49.90	ug/l	0.00
Spiked Amount			Recovery	=	99.80%	
50) Toluene-d8	8.70	98	554629	50.98	ug/l	0.00
Spiked Amount			Recovery	=	101.96%	
62) 4-Bromofluorobenzene	11.12	95	236911	56.32	ug/l	0.00
Spiked Amount			Recovery	=	112.64%	

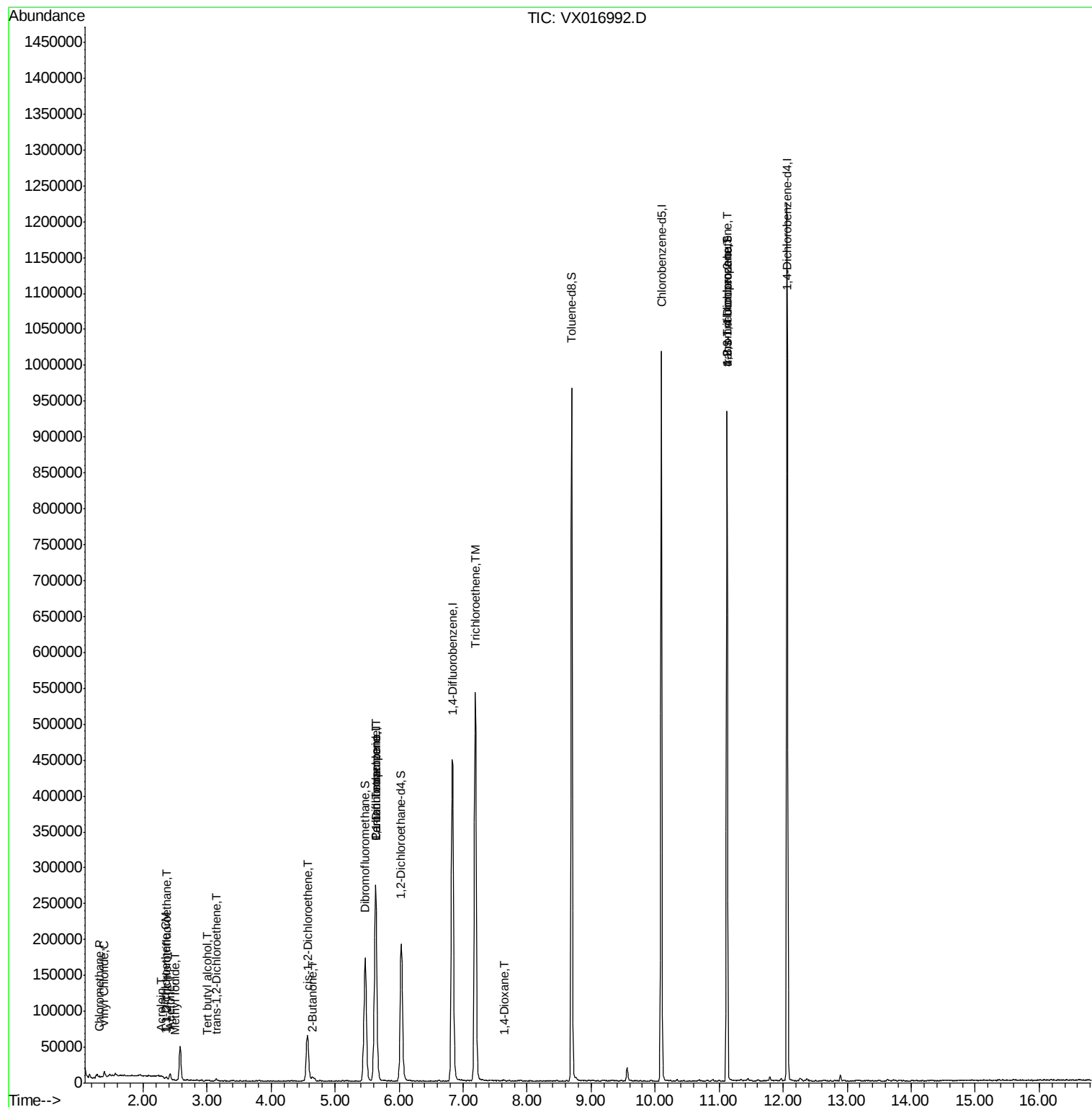
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	711	0.235	ug/l	94
4) Vinyl Chloride	1.39	62	4816	1.557	ug/l	97
5) Bromomethane	1.64	94	438	Below Cal	#	41
9) 1,1,2-Trichlorotrifluoroet	2.36	101	927	0.343	ug/l	95
10) Methyl Iodide	2.50	142	52	2.798	ug/l #	35
11) Tert butyl alcohol	3.01	59	423	0.602	ug/l #	67
12) 1,1-Dichloroethene	2.35	96	583	0.213	ug/l #	12
13) Acrolein	2.28	56	256	0.491	ug/l #	38
16) Acetone	2.42	43	9105	6.256	ug/l	99
21) trans-1,2-Dichloroethene	3.14	96	999	0.324	ug/l #	78
25) 2-Butanone	4.65	43	2595	1.170	ug/l #	89
27) cis-1,2-Dichloroethene	4.57	96	40509	11.872	ug/l	88
36) 1,1-Dichloropropene	5.64	75	20611	4.632	ug/l #	51
38) Carbon Tetrachloride	5.63	117	26140	5.551	ug/l #	16
44) Trichloroethene	7.19	130	202906	59.488	ug/l	95
49) 1,4-Dioxane	7.65	88	27	0.346	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	124415	24.865	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	124415	63.129	ug/l #	9

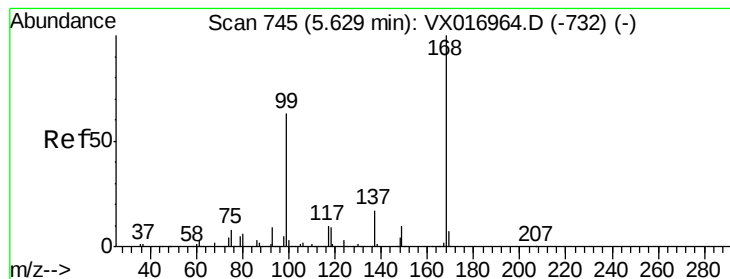
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX062620\
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Acq On : 26 Jun 2020 18:31
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Sample : L3112-01
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MSVOA_X
ClientSampleId :

Quant Time: Jun 27 04:27:58 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: VX016992.D

Acq: 26 Jun 2020 18:31

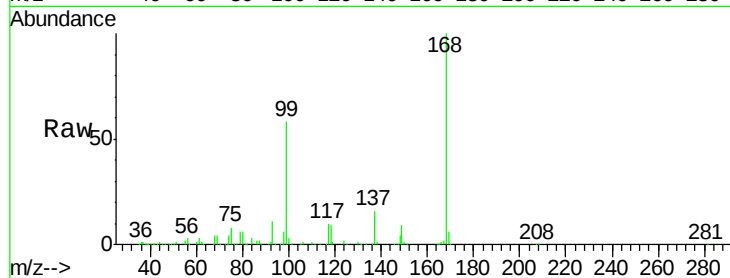
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 246567

Ion Ratio Lower Upper

168 100

99 58.4 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

100000

80000

60000

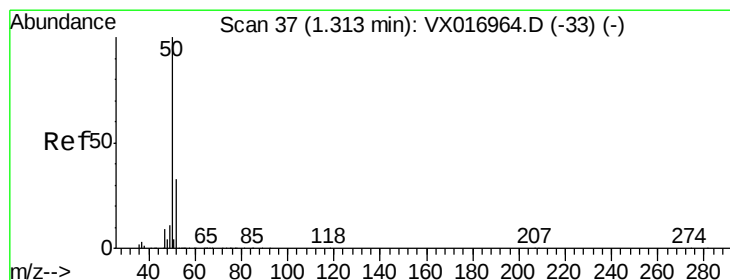
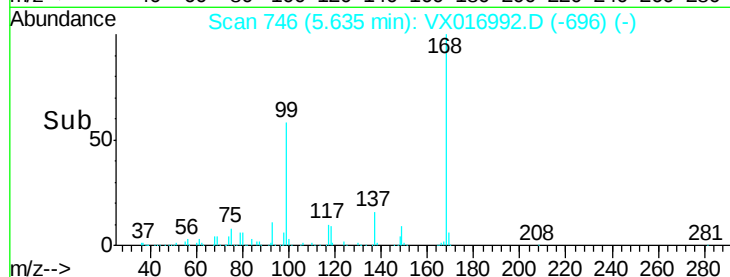
40000

20000

0

Time-->

5.50 5.60 5.70



#3

Chloromethane

Concen: 0.235 ug/l

RT: 1.32 min Scan# 38

Delta R.T. 0.01 min

Lab File: VX016992.D

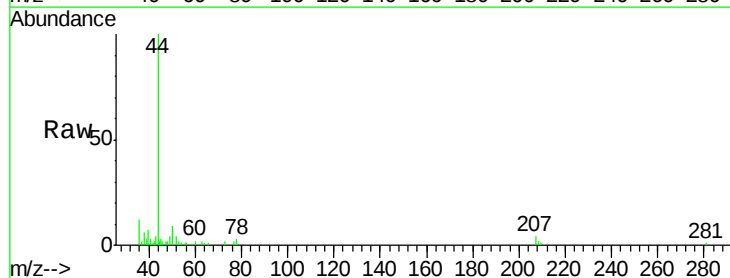
Acq: 26 Jun 2020 18:31

Tgt Ion: 50 Resp: 711

Ion Ratio Lower Upper

50 100

52 29.9 26.6 40.0



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

500

400

300

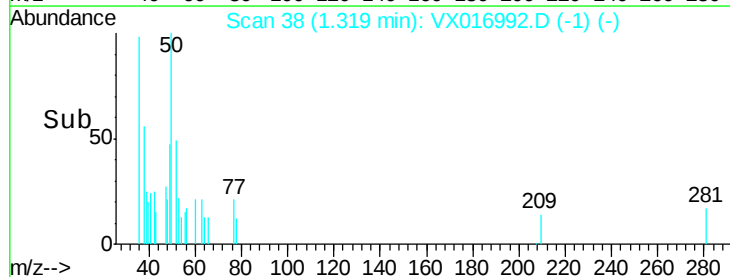
200

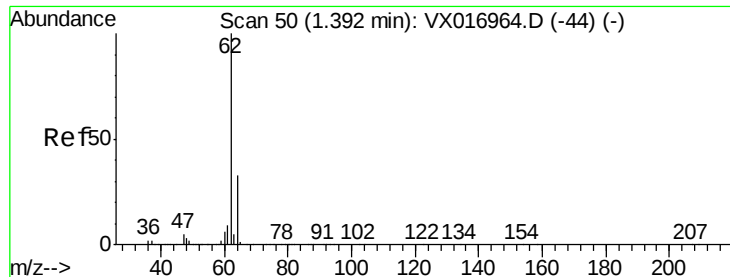
100

0

Time-->

1.30 1.35





#4

Vinyl Chloride

Concen: 1.557 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX016992.D

Acq: 26 Jun 2020 18:31

Instrument :

MSVOA_X

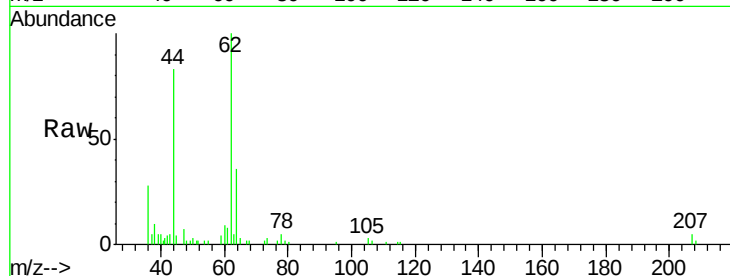
ClientSampleId :

Tot Ion: 62 Resp: 4816

Ion Ratio Lower Upper

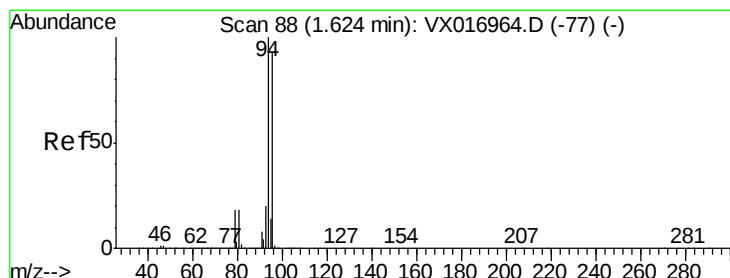
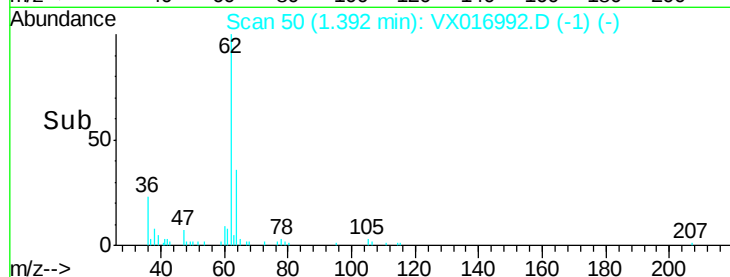
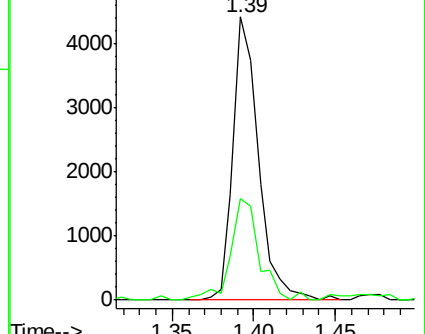
62 100

64 34.5 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# 91

Delta R.T. 0.02 min

Lab File: VX016992.D

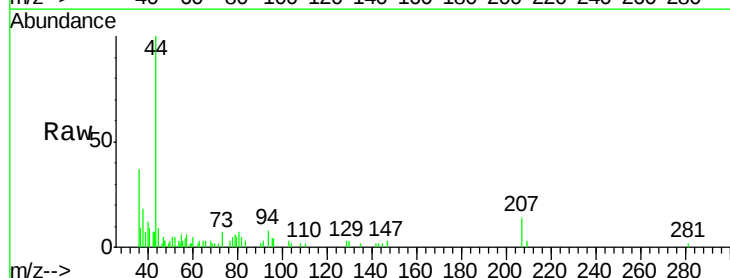
Acq: 26 Jun 2020 18:31

Tgt Ion: 94 Resp: 438

Ion Ratio Lower Upper

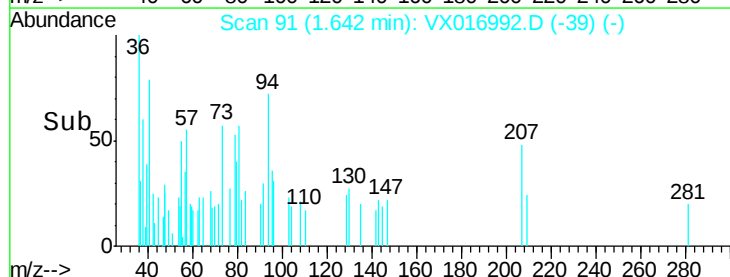
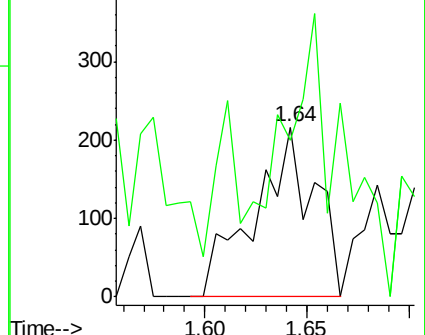
94 100

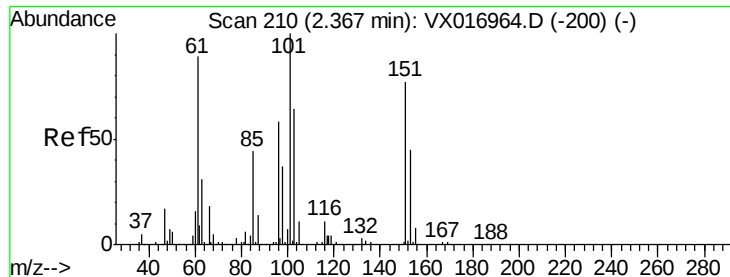
96 36.1 74.2 111.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.343 ug/l

RT: 2.36 min Scan# 209

Delta R.T. -0.01 min

Lab File: VX016992.D

Acq: 26 Jun 2020 18:31

Instrument :

MSVOA_X

ClientSampleId :

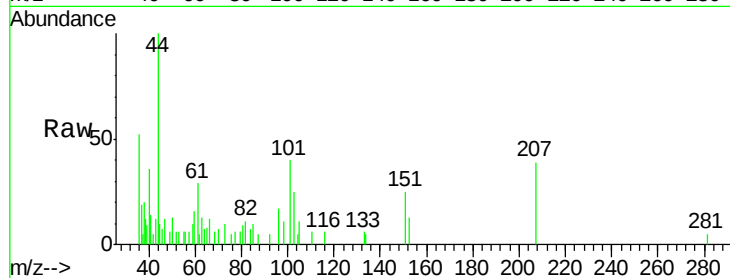
Tot Ion:101 Resp: 927

Ion Ratio Lower Upper

101 100

85 44.8 36.8 55.2

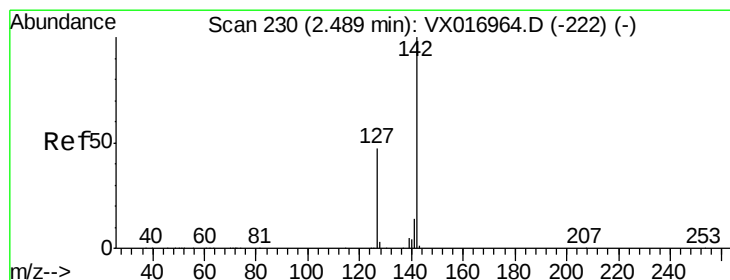
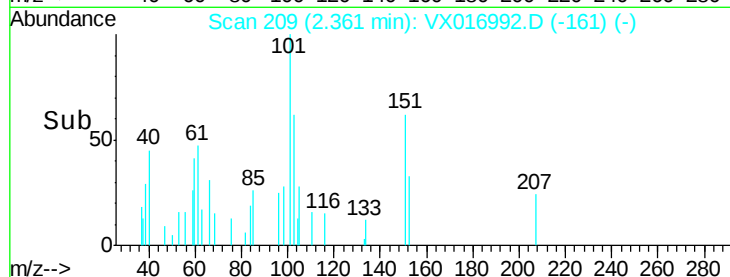
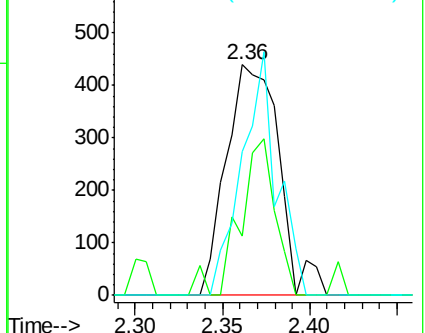
151 69.5 59.8 89.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 2.798 ug/l

RT: 2.50 min Scan# 231

Delta R.T. 0.01 min

Lab File: VX016992.D

Acq: 26 Jun 2020 18:31

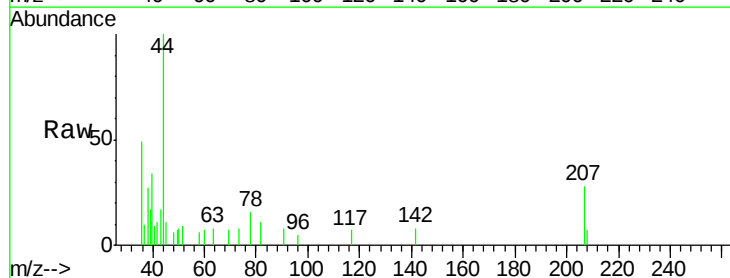
Tgt Ion:142 Resp: 52

Ion Ratio Lower Upper

142 100

127 96.2 37.4 56.0#

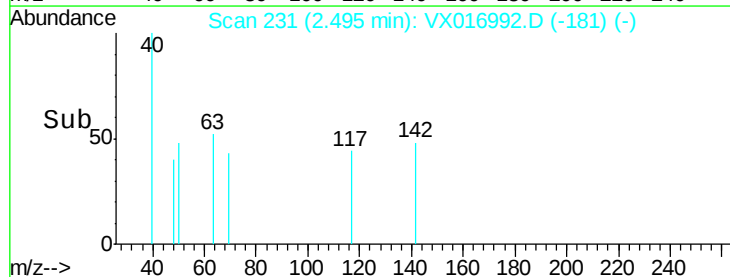
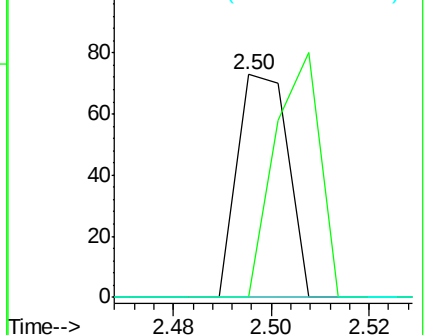
141 0.0 11.7 17.5#

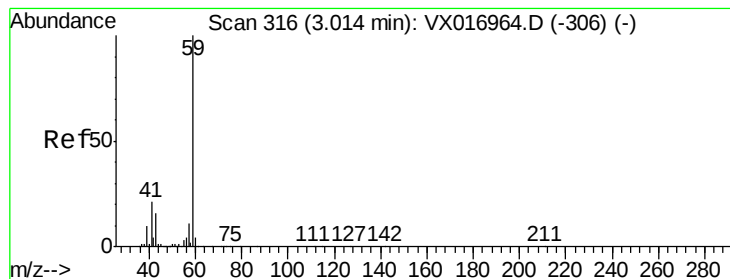


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



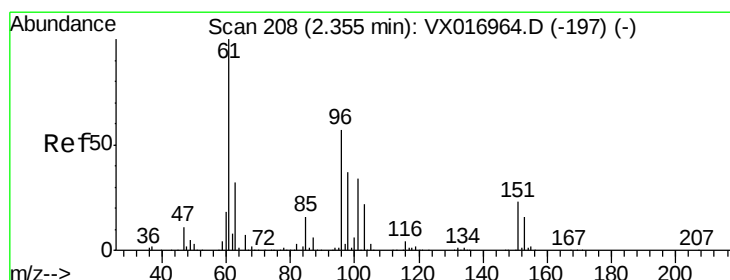
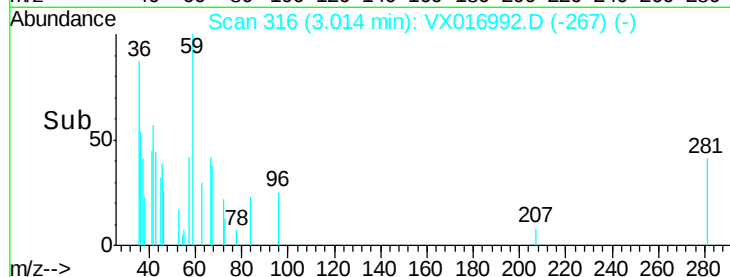
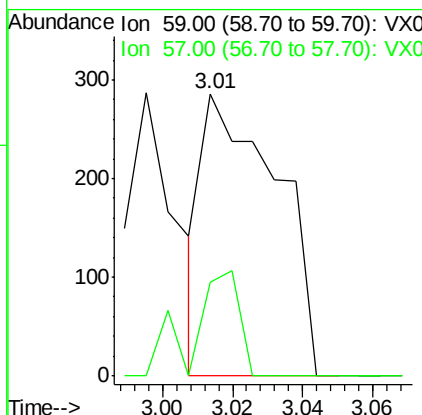
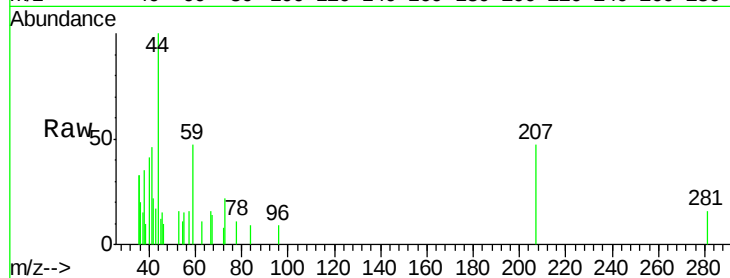


#11

Tert butyl alcohol
Concen: 0.602 ug/l
RT: 3.01 min Scan# 316
Delta R.T. -0.00 min
Lab File: VX016992.D
Acq: 26 Jun 2020 18:31

Instrument :
MSVOA_X
ClientSampled :

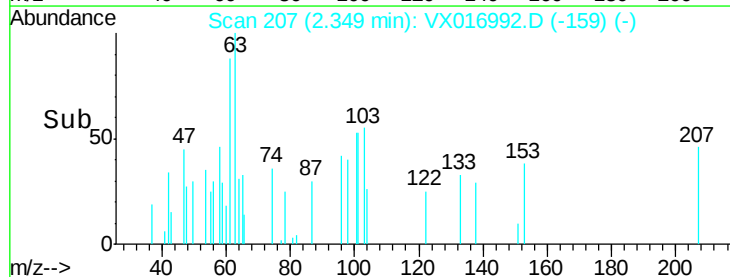
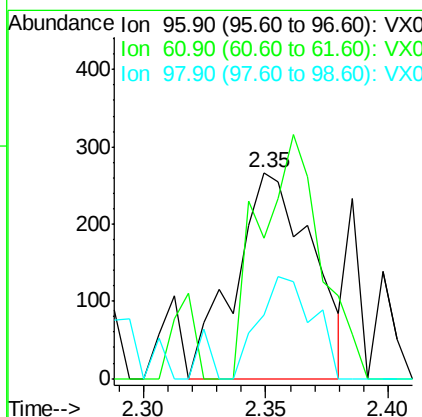
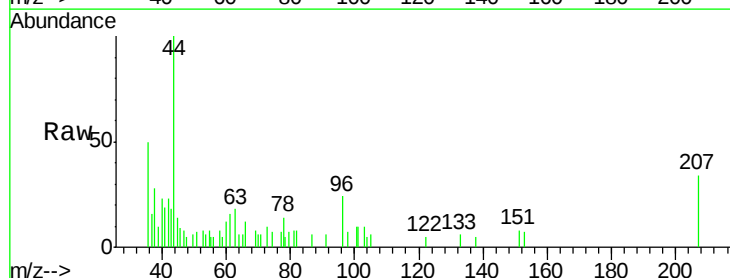
Tot Ion: 59 Resp: 423
Ion Ratio Lower Upper
59 100
57 23.2 8.5 12.7#

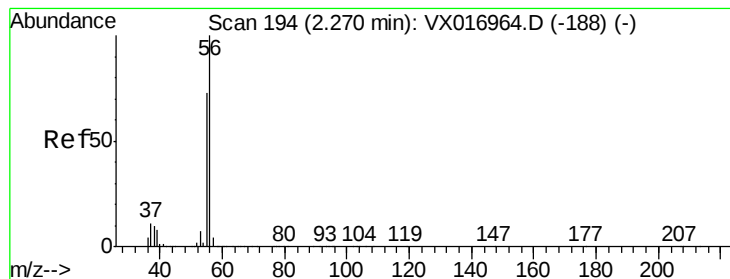


#12

1,1-Dichloroethene
Concen: 0.213 ug/l
RT: 2.35 min Scan# 207
Delta R.T. -0.01 min
Lab File: VX016992.D
Acq: 26 Jun 2020 18:31

Tgt Ion: 96 Resp: 583
Ion Ratio Lower Upper
96 100
61 27.7 139.7 209.5#
98 31.1 51.0 76.6#





#13

Acrolein

Concen: 0.491 ug/l

RT: 2.28 min Scan# 195

Delta R.T. 0.01 min

Lab File: VX016992.D

Acq: 26 Jun 2020 18:31

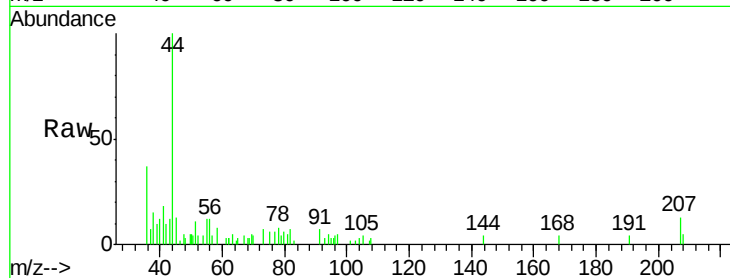
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 56 Resp: 256

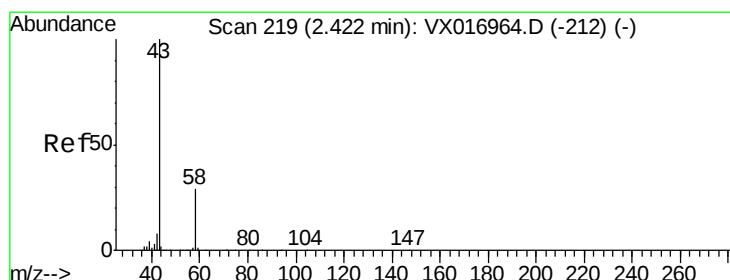
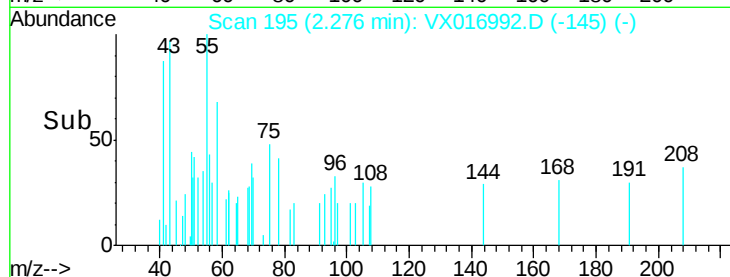
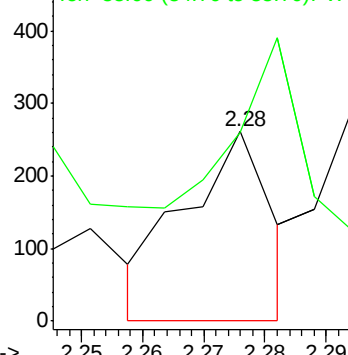
Ion Ratio Lower Upper

56 100

55 123.4 57.5 86.3#



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 6.256 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX016992.D

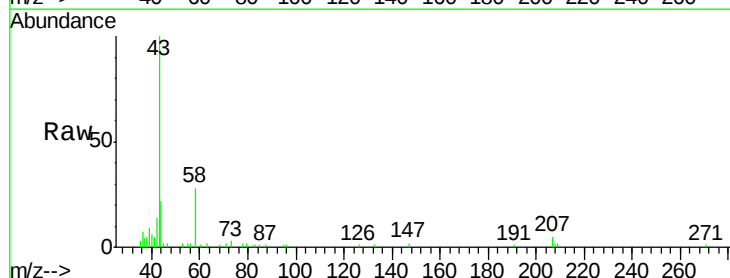
Acq: 26 Jun 2020 18:31

Tgt Ion: 43 Resp: 9105

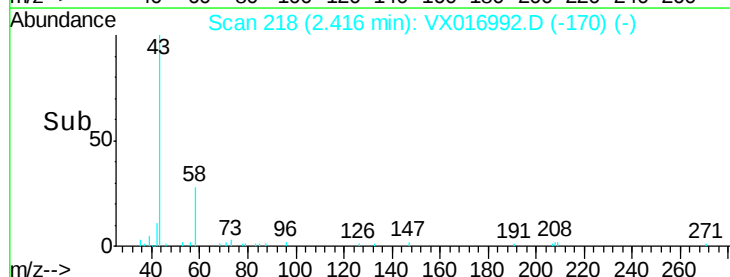
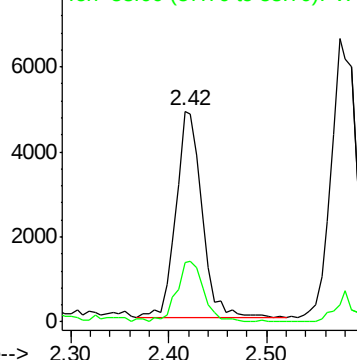
Ion Ratio Lower Upper

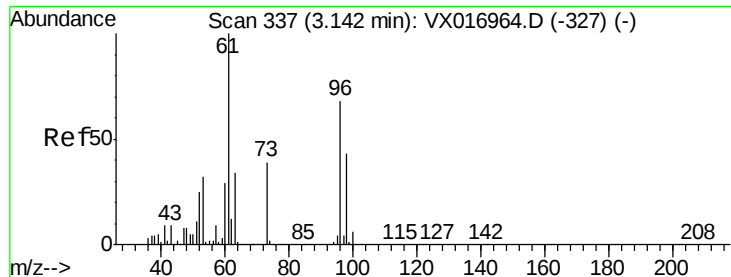
43 100

58 29.0 23.5 35.3



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0





#21

trans-1,2-Dichloroethene

Concen: 0.324 ug/l

RT: 3.14 min Scan# 337

Delta R.T. -0.00 min

Lab File: VX016992.D

Acq: 26 Jun 2020 18:31

Instrument :

MSVOA_X

ClientSampleId :

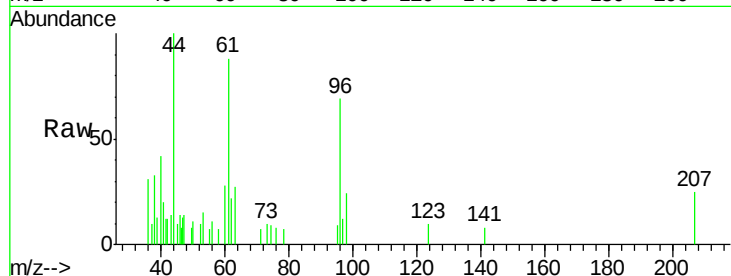
Tot Ion: 96 Resp: 999

Ion Ratio Lower Upper

96 100

61 126.9 116.7 175.1

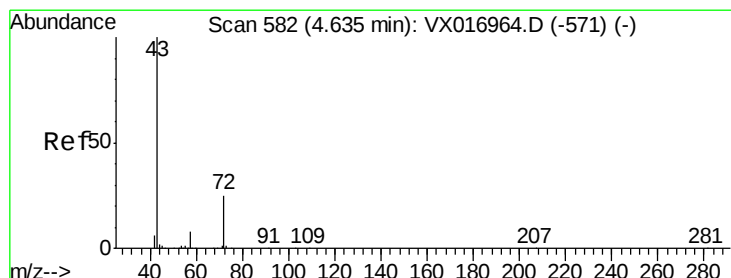
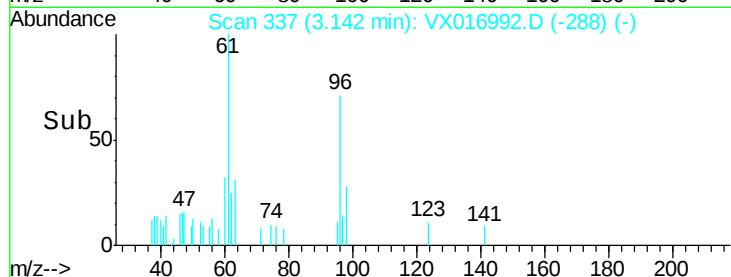
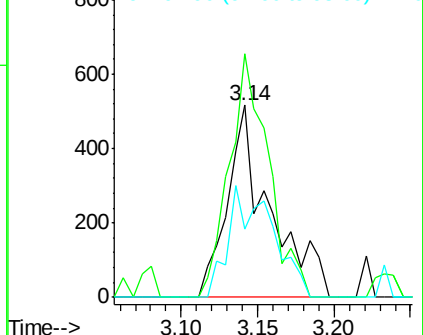
98 35.3 50.7 76.1#



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



#25

2-Butanone

Concen: 1.170 ug/l

RT: 4.65 min Scan# 584

Delta R.T. 0.01 min

Lab File: VX016992.D

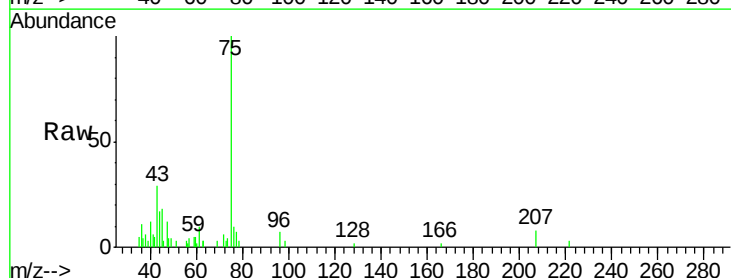
Acq: 26 Jun 2020 18:31

Tgt Ion: 43 Resp: 2595

Ion Ratio Lower Upper

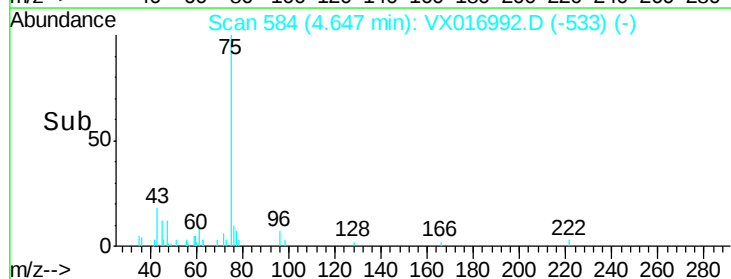
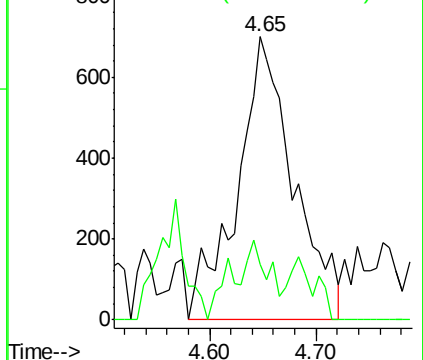
43 100

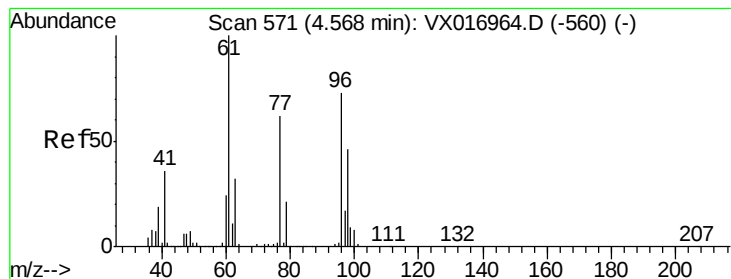
72 19.6 20.0 30.0#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



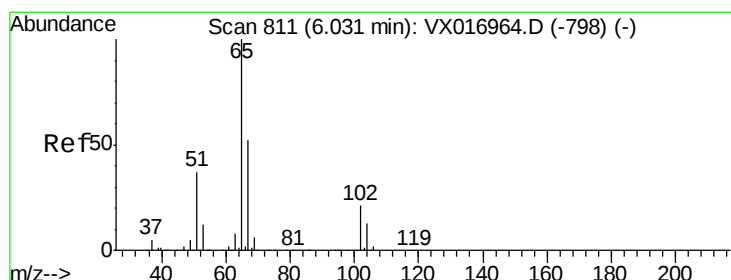
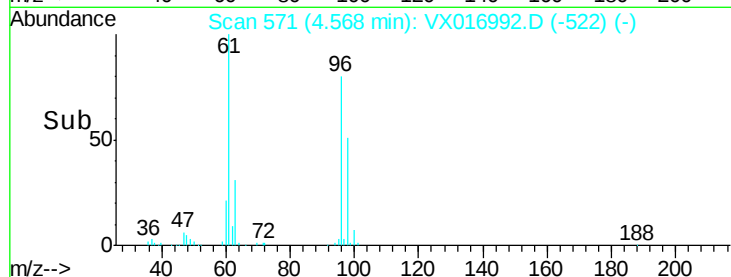
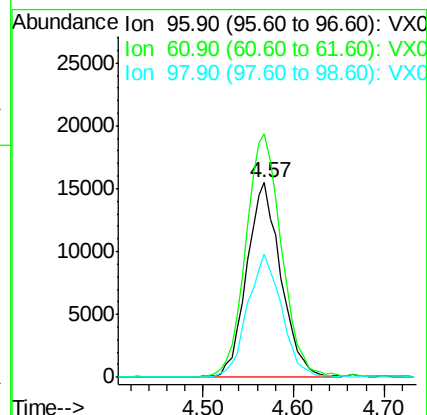
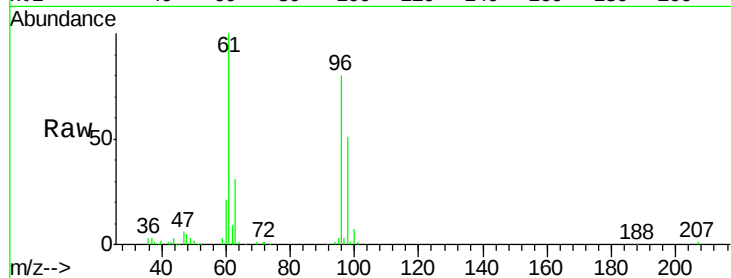


#27

cis-1,2-Dichloroethene
Concen: 11.872 ug/l
RT: 4.57 min Scan# 571
Delta R.T. -0.00 min
Lab File: VX016992.D
Acq: 26 Jun 2020 18:31

Instrument :
MSVOA_X
ClientSampled :

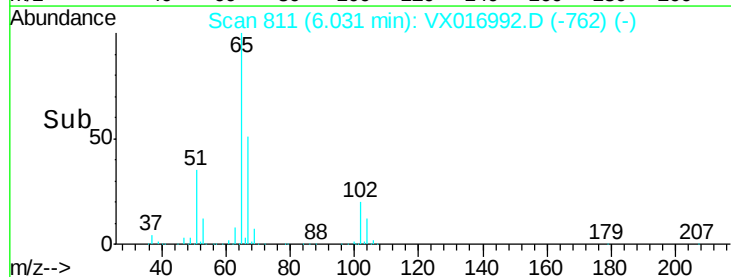
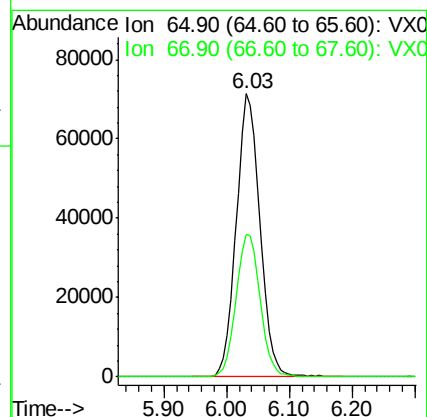
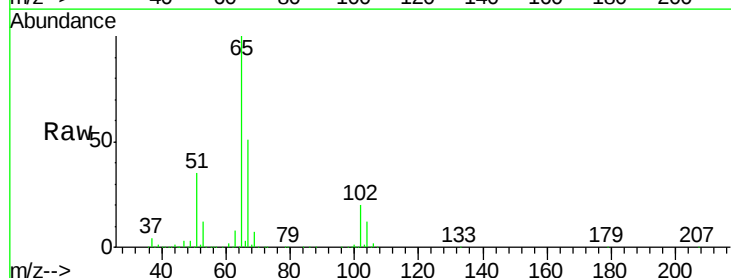
Tot Ion	96	Resp	40509
Ion	Ratio	Lower	Upper
96	100		
61	131.3	0.0	307.2
98	63.5	0.0	128.4

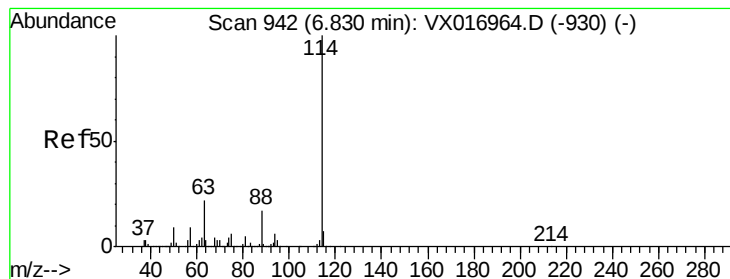


#33

1,2-Dichloroethane-d4
Concen: 50.215 ug/l
RT: 6.03 min Scan# 811
Delta R.T. -0.00 min
Lab File: VX016992.D
Acq: 26 Jun 2020 18:31

Tgt Ion	65	Resp	186972
Ion	Ratio	Lower	Upper
65	100		
67	51.2	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: VX016992.D

Acq: 26 Jun 2020 18:31

Instrument :

MSVOA_X

ClientSampleId :

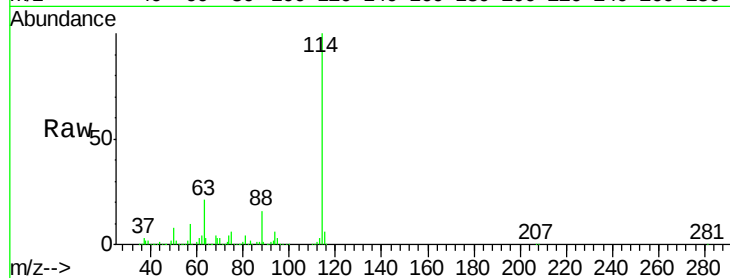
Tot Ion:114 Resp: 449351

Ion Ratio Lower Upper

114 100

63 21.3 0.0 44.4

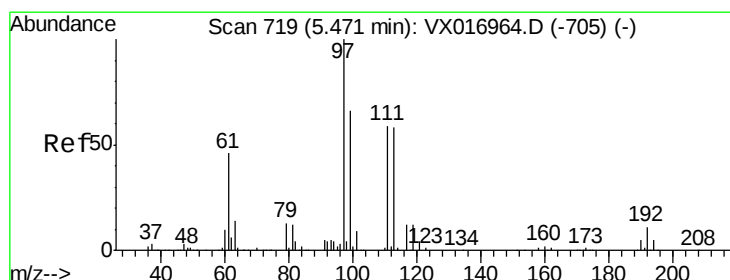
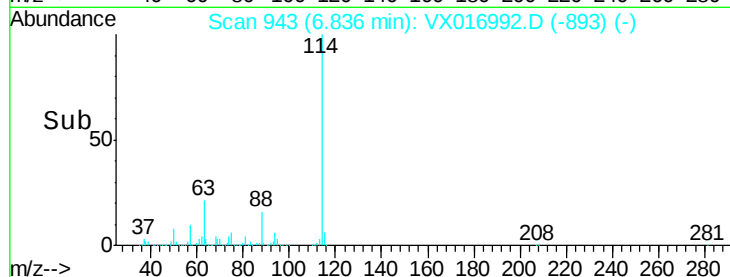
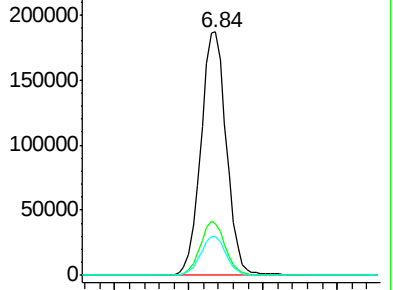
88 15.8 0.0 33.2



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: 49.897 ug/l

RT: 5.47 min Scan# 719

Delta R.T. -0.00 min

Lab File: VX016992.D

Acq: 26 Jun 2020 18:31

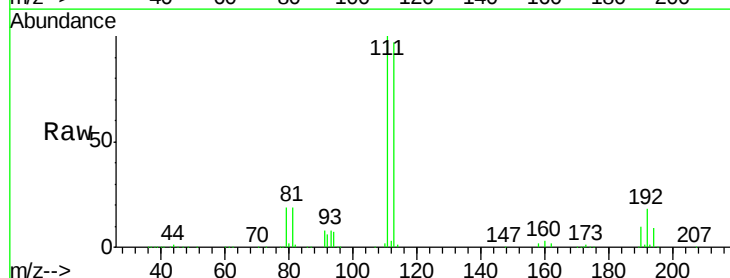
Tgt Ion:113 Resp: 148087

Ion Ratio Lower Upper

113 100

111 103.4 84.3 126.5

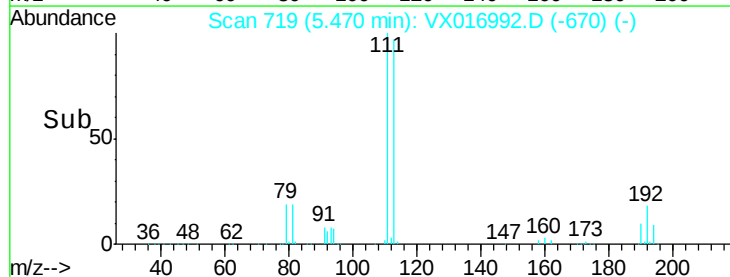
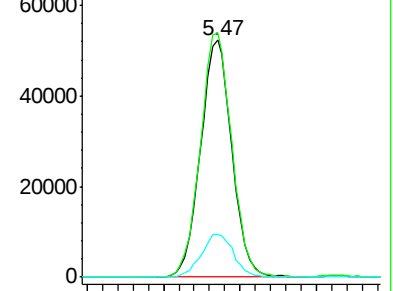
192 18.7 15.2 22.8

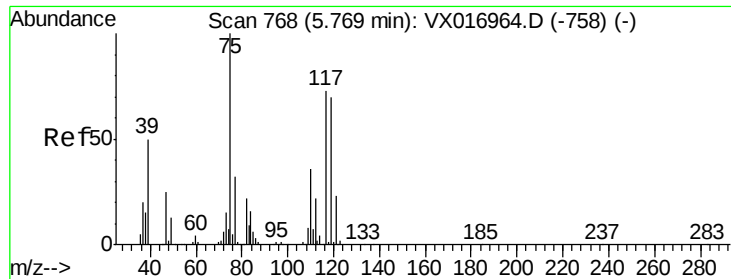


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

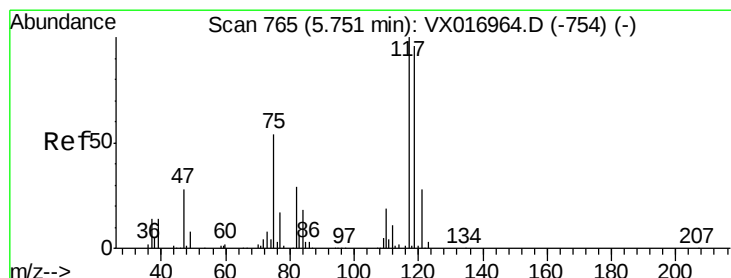
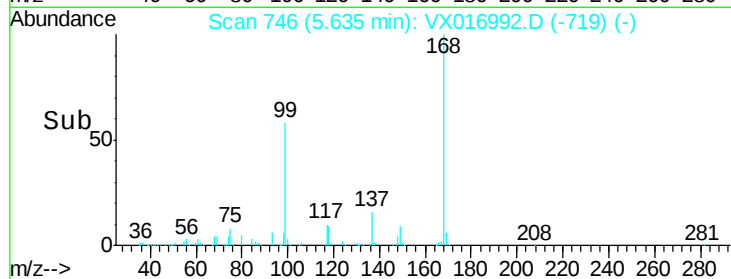
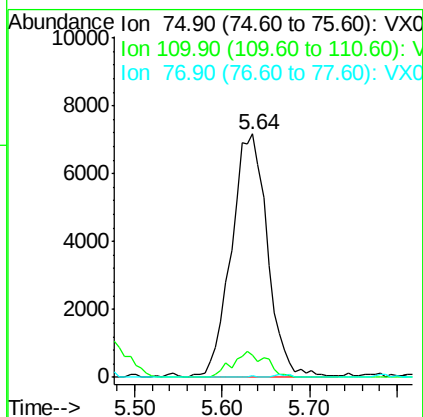
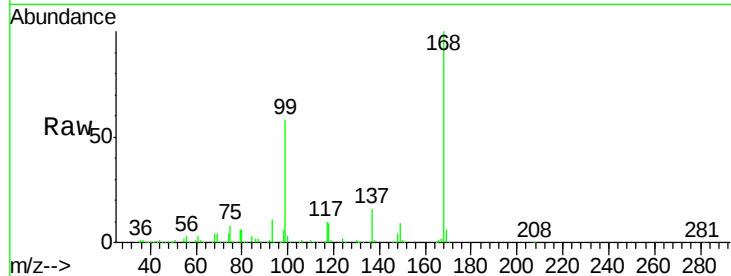




#36
 1,1-Dichloropropene
 Concen: 4.632 ug/l
 RT: 5.64 min Scan# 746
 Delta R.T. -0.13 min
 Lab File: VX016992.D
 Acq: 26 Jun 2020 18:31

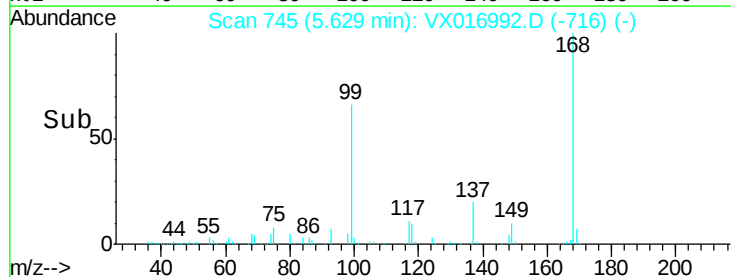
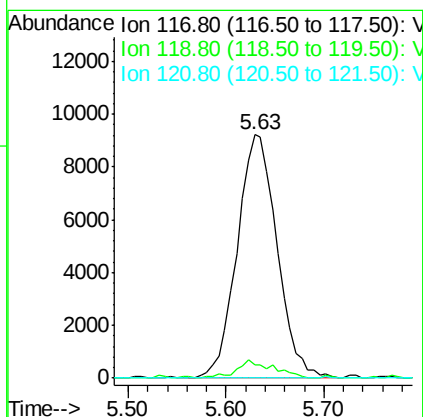
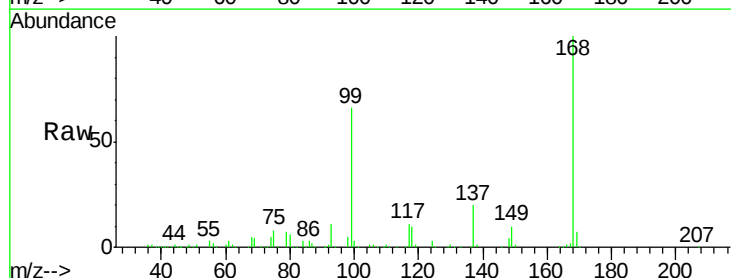
Instrument :
 MSVOA_X
 ClientSampleId :

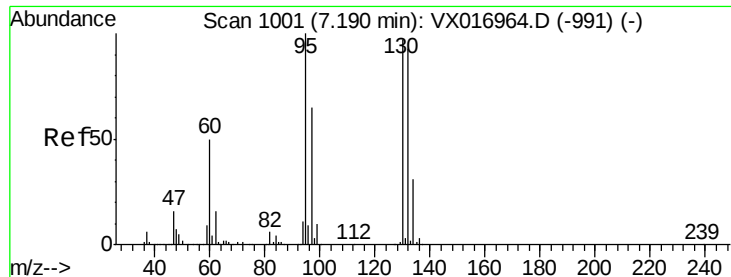
Tot Ion: 75 Resp: 20611
 Ion Ratio Lower Upper
 75 100
 110 10.1 17.2 51.6#
 77 0.1 24.7 37.1#



#38
 Carbon Tetrachloride
 Concen: 5.551 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.12 min
 Lab File: VX016992.D
 Acq: 26 Jun 2020 18:31

Tgt Ion: 117 Resp: 26140
 Ion Ratio Lower Upper
 117 100
 119 5.6 76.6 114.8#
 121 0.0 22.5 33.7#





#44

Trichloroethene

Concen: 59.488 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VX016992.D

Acq: 26 Jun 2020 18:31

Instrument :

MSVOA_X

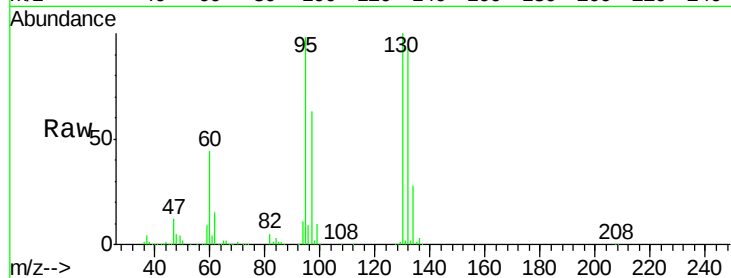
ClientSampled :

Tot Ion:130 Resp: 202906

Ion Ratio Lower Upper

130 100

95 97.8 0.0 206.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.19

100000

80000

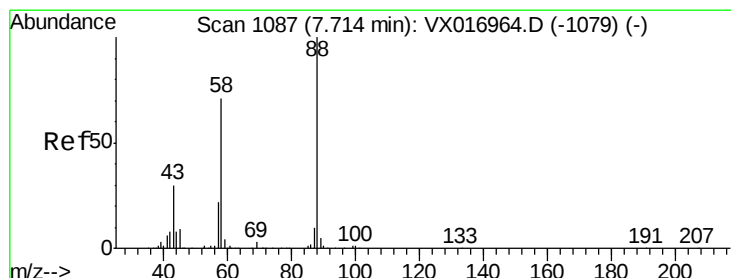
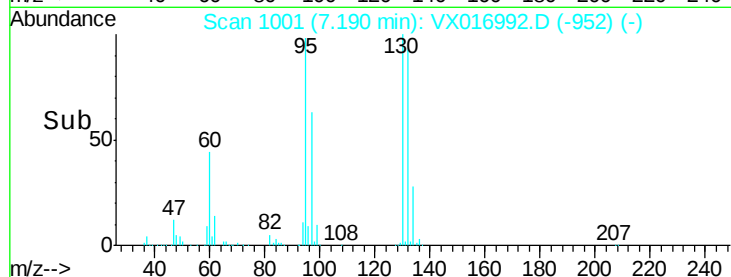
60000

40000

20000

0

Time-->



#49

1,4-Dioxane

Concen: 0.346 ug/l

RT: 7.65 min Scan# 1076

Delta R.T. -0.07 min

Lab File: VX016992.D

Acq: 26 Jun 2020 18:31

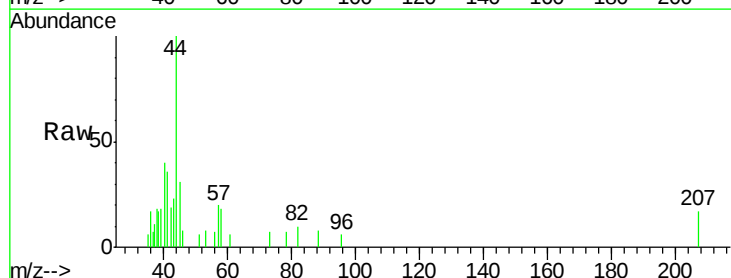
Tgt Ion: 88 Resp: 27

Ion Ratio Lower Upper

88 100

43 725.9 28.1 42.1#

58 1996.3 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

400

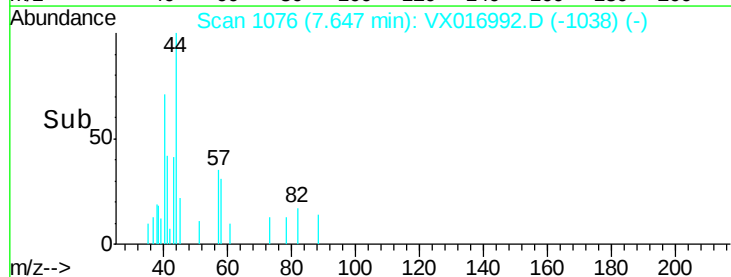
300

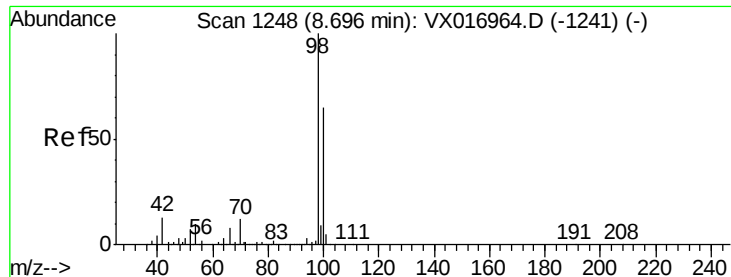
200

100

0

Time-->

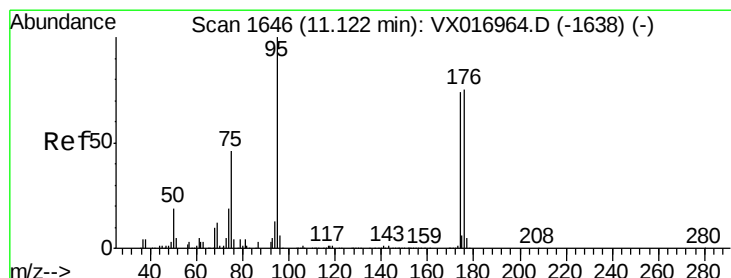
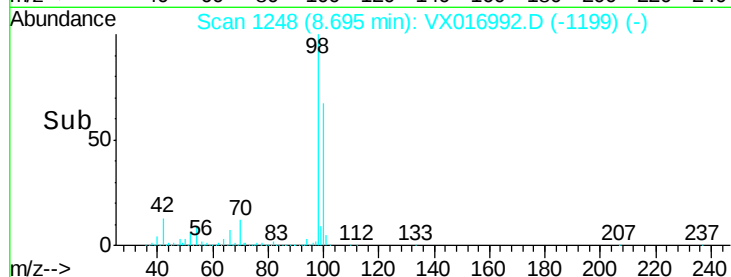
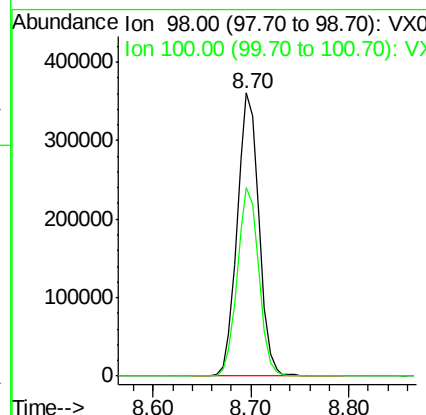
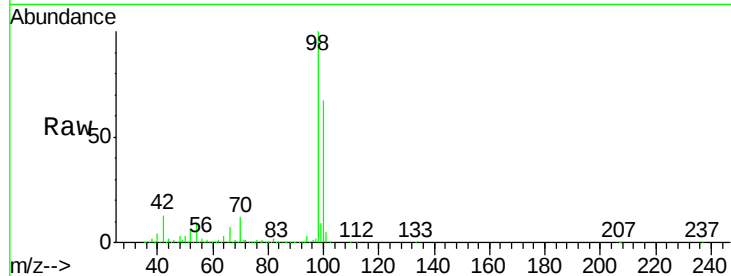




#50
Toluene-d8
Concen: 50.982 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX016992.D
Acq: 26 Jun 2020 18:31

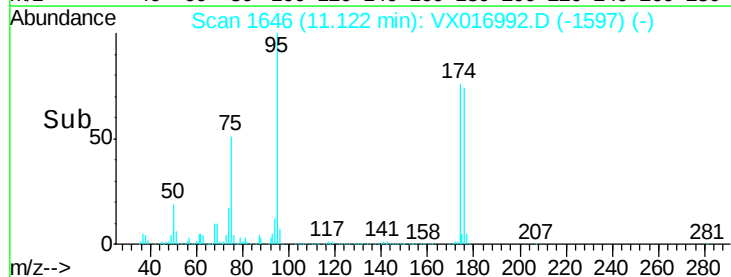
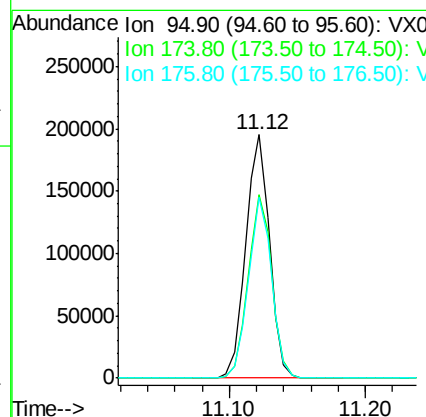
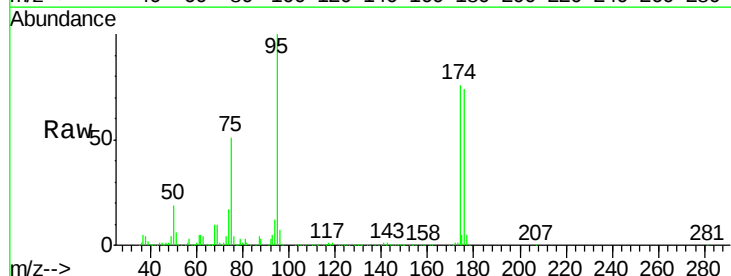
Instrument :
MSVOA_X
ClientSampleId :

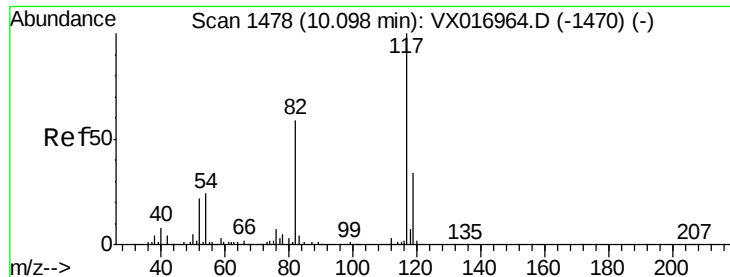
Tot Ion: 98 Resp: 554629
Ion Ratio Lower Upper
98 100
100 65.9 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 56.316 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX016992.D
Acq: 26 Jun 2020 18:31

Tgt Ion: 95 Resp: 236911
Ion Ratio Lower Upper
95 100
174 75.3 0.0 149.6
176 72.9 0.0 148.2

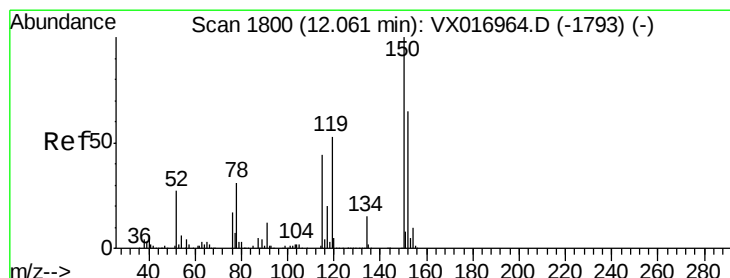
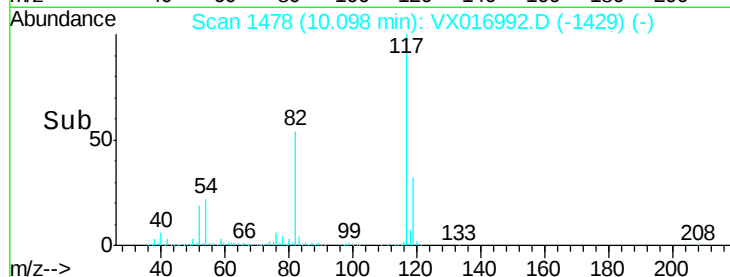
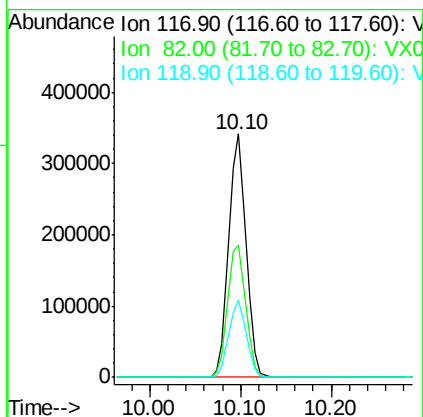
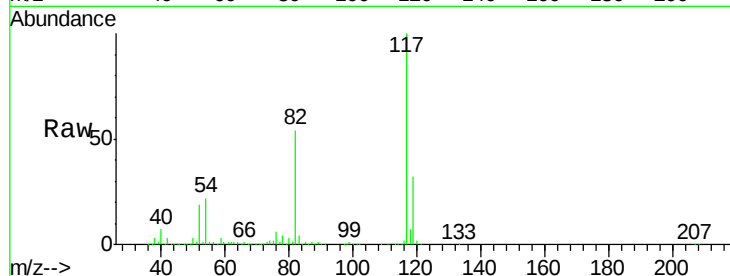




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016992.D
Acq: 26 Jun 2020 18:31

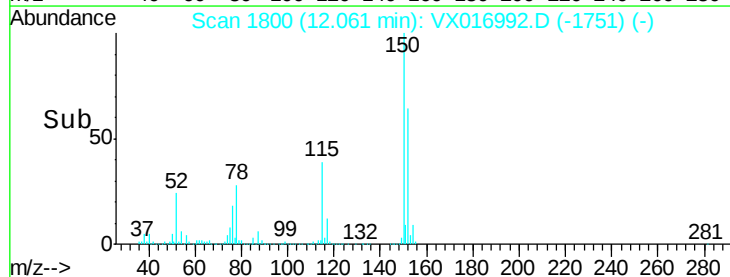
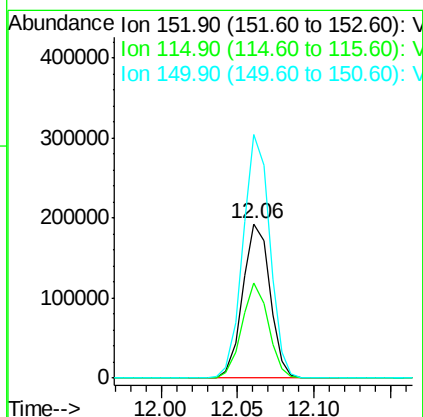
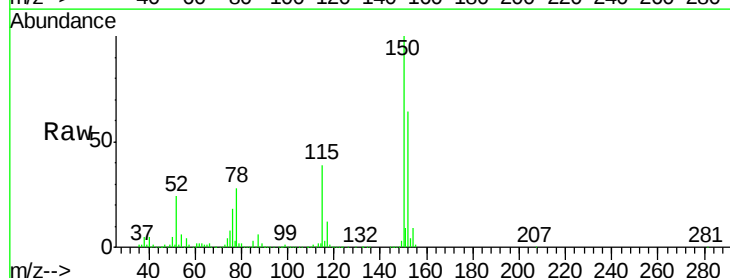
Instrument :
MSVOA_X
ClientSampleId :

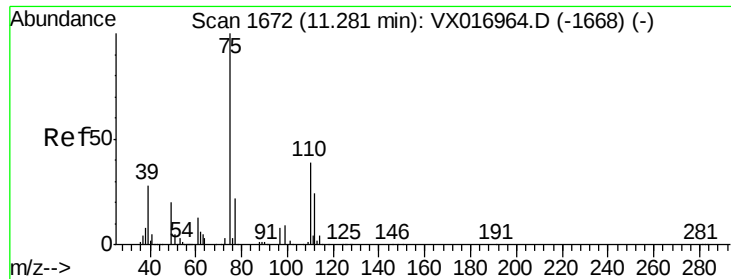
Tot Ion:117 Resp: 456166
Ion Ratio Lower Upper
117 100
82 54.3 46.8 70.2
119 31.8 27.3 40.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX016992.D
Acq: 26 Jun 2020 18:31

Tgt Ion:152 Resp: 238423
Ion Ratio Lower Upper
152 100
115 59.8 42.8 128.4
150 155.6 0.0 347.8





#76

1,2,3-Trichloropropane

Concen: 24.865 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016992.D

Acq: 26 Jun 2020 18:31

Instrument :

MSVOA_X

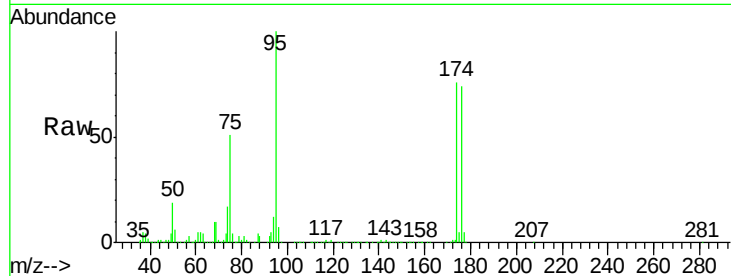
ClientSampled :

Tot Ion: 75 Resp: 124415

Ion Ratio Lower Upper

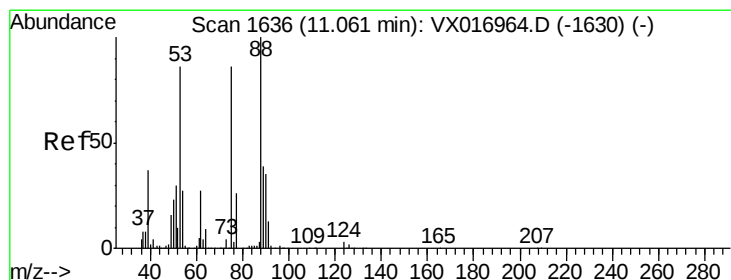
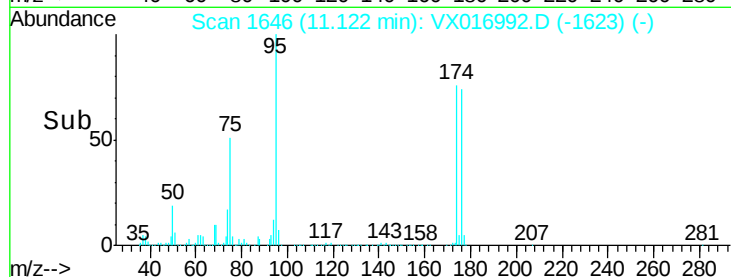
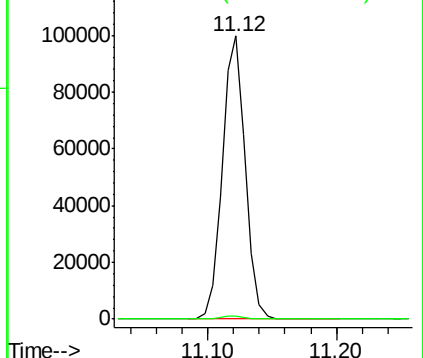
75 100

77 1.1 20.3 61.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



#81

trans-1,4-Dichloro-2-butene

Concen: 63.129 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016992.D

Acq: 26 Jun 2020 18:31

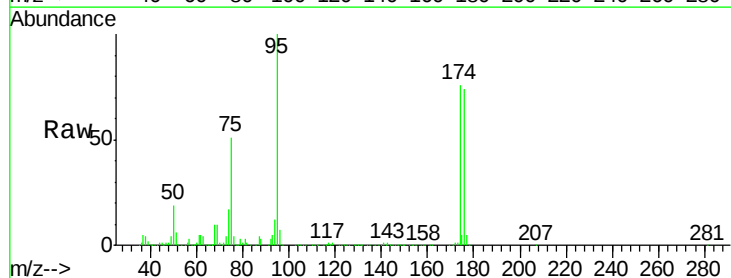
Tgt Ion: 75 Resp: 124415

Ion Ratio Lower Upper

75 100

53 0.3 81.9 122.9#

89 0.1 35.5 53.3#



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

