

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX042320\
 Data File : VX015914.D
 Acq On : 24 Apr 2020 00:57
 Operator : JC/SP
 Sample : L2364-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 30963

Quant Time: Apr 24 03:42:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042220W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 23 04:36:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	845037	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1282800	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1267804	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	724001	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.04	65	475749	49.50	ug/l	0.00
Spiked Amount			Recovery	=	99.00%	
35) Dibromofluoromethane	5.47	113	373680	50.47	ug/l	0.00
Spiked Amount			Recovery	=	100.94%	
50) Toluene-d8	8.70	98	1551626	52.05	ug/l	0.00
Spiked Amount			Recovery	=	104.10%	
62) 4-Bromofluorobenzene	11.12	95	660414	54.01	ug/l	0.00
Spiked Amount			Recovery	=	108.02%	

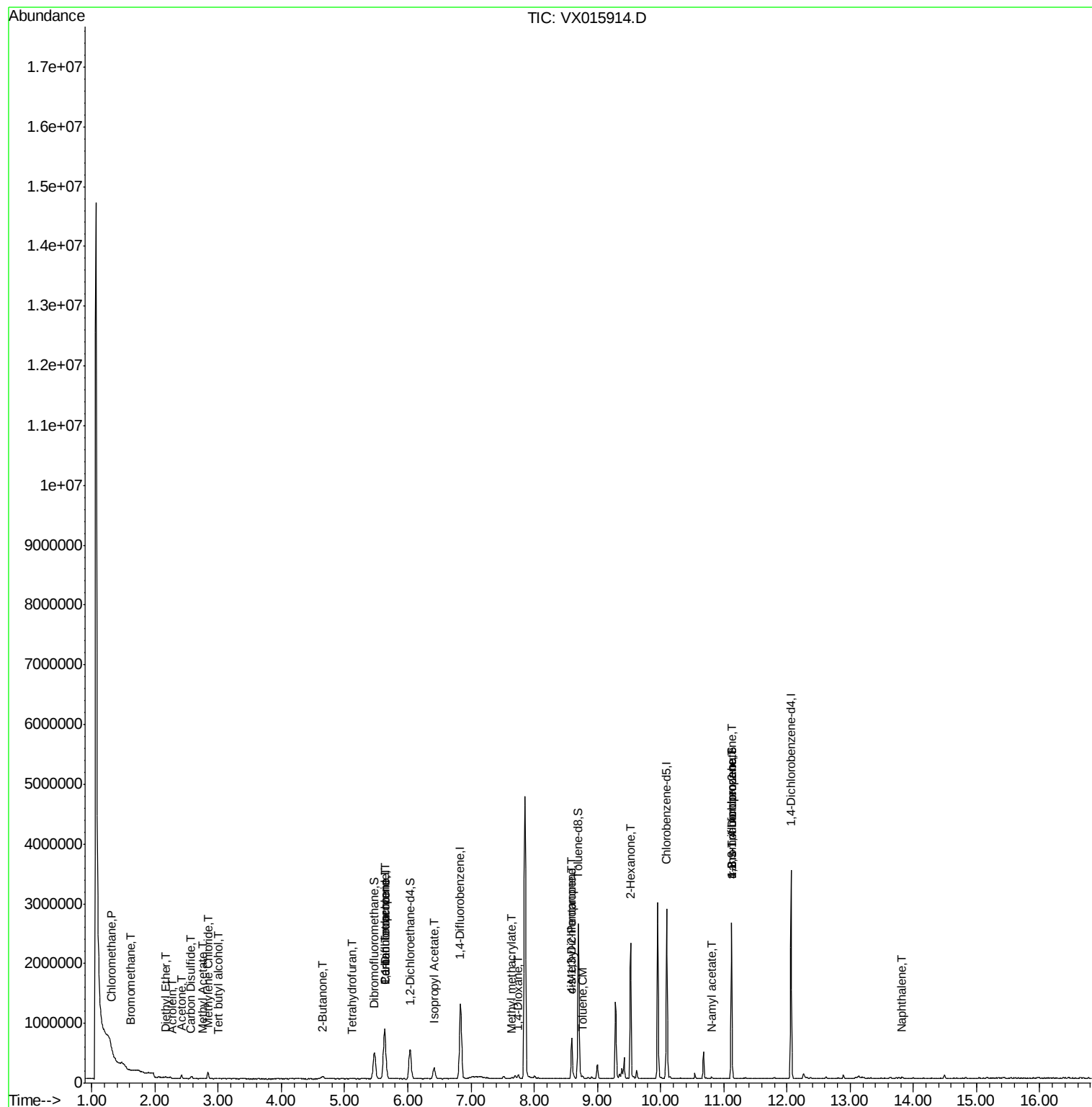
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	2416	0.326	ug/l #	42
5) Bromomethane	1.62	94	577	0.201	ug/l	98
8) Diethyl Ether	2.17	74	1864	0.432	ug/l	73
11) Tert butyl alcohol	3.01	59	4368	2.224	ug/l #	64
13) Acrolein	2.27	56	813	0.700	ug/l	89
16) Acetone	2.42	43	67283	16.078	ug/l	95
17) Carbon Disulfide	2.55	76	11576	0.431	ug/l	99
18) Methyl Acetate	2.75	43	10817	0.783	ug/l	100
20) Methylene Chloride	2.84	84	48188	5.672	ug/l	96
25) 2-Butanone	4.64	43	28287	4.276	ug/l #	87
29) Tetrahydrofuran	5.12	42	4370	0.999	ug/l #	49
36) 1,1-Dichloropropene	5.64	75	56321	4.952	ug/l #	53
38) Carbon Tetrachloride	5.64	117	74951	6.691	ug/l #	15
43) Isopropyl Acetate	6.42	43	268869	11.777	ug/l	99
48) Methyl methacrylate	7.65	41	15195	1.353	ug/l #	21
49) 1,4-Dioxane	7.73	88	517	2.436	ug/l #	1
51) 4-Methyl-2-Pentanone	8.59	43	255625	19.398	ug/l #	48
52) Toluene	8.77	92	8171	0.372	ug/l	82
54) cis-1,3-Dichloropropene	8.60	75	106273	6.952	ug/l #	55
59) 2-Hexanone	9.53	43	270924	26.987	ug/l #	50
74) N-amyl acetate	10.81	43	17652	0.744	ug/l #	49
76) 1,2,3-Trichloropropane	11.12	75	320998	23.316	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	320998	56.087	ug/l #	12
95) Naphthalene	13.82	128	12807	0.258	ug/l #	89

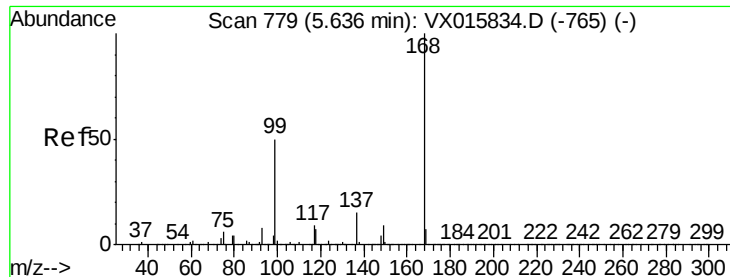
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X042220W.M
Quant Title : SW846 8260
QLast Update : Thu Apr 23 04:36:12 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 779

Delta R.T. -0.00 min

Lab File: VX015914.D

Acq: 24 Apr 2020 00:57

Instrument :

MSVOA_X

ClientSampleId :

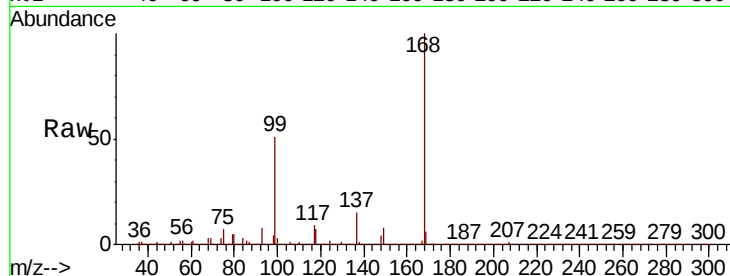
30963

Tot Ion:168 Resp: 845037

Ion Ratio Lower Upper

168 100

99 51.2 40.3 60.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

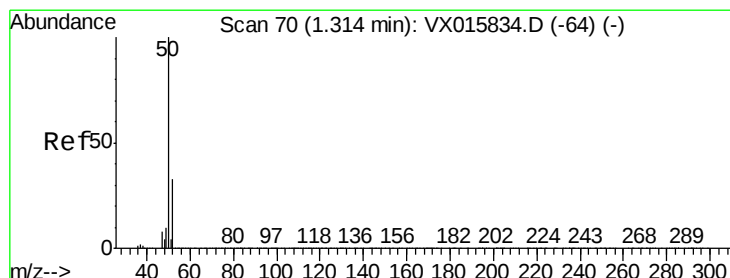
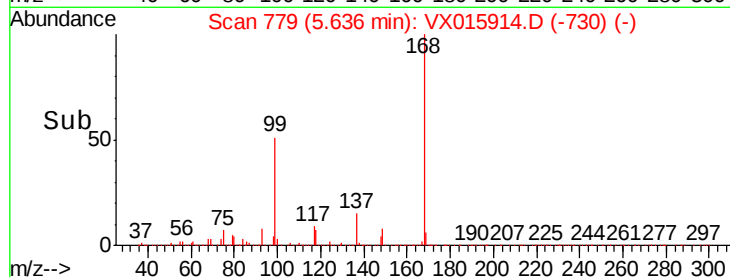
300000

200000

100000

0

Time-->



#3

Chloromethane

Concen: 0.326 ug/l

RT: 1.31 min Scan# 70

Delta R.T. -0.00 min

Lab File: VX015914.D

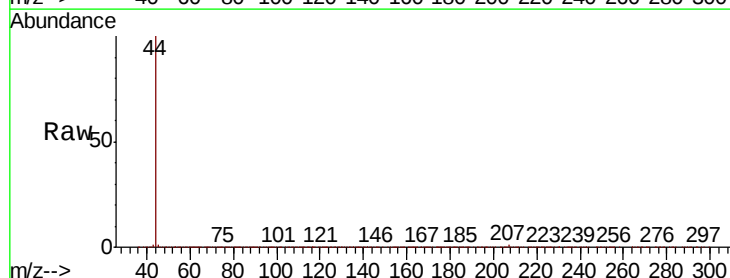
Acq: 24 Apr 2020 00:57

Tgt Ion: 50 Resp: 2416

Ion Ratio Lower Upper

50 100

52 0.0 26.2 39.4#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.31

1200

1000

800

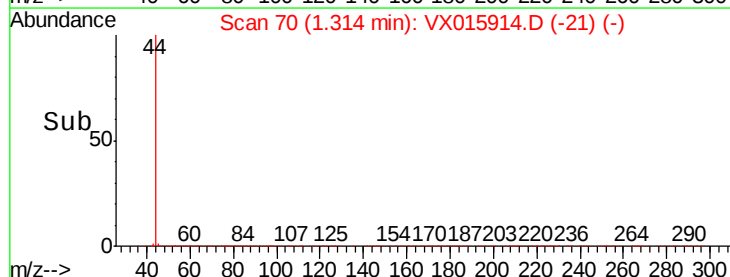
600

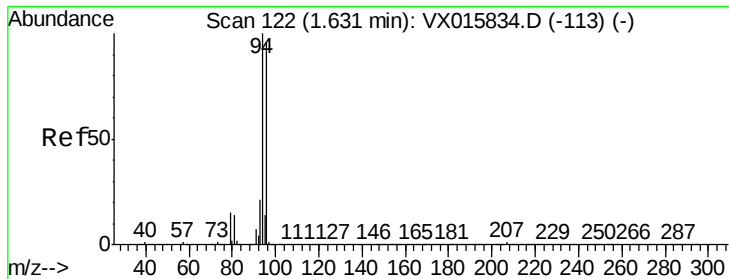
400

200

0

Time-->





#5

Bromomethane

Concen: 0.201 ug/l

RT: 1.62 min Scan# 121

Delta R.T. -0.01 min

Lab File: VX015914.D

Acq: 24 Apr 2020 00:57

Instrument :

MSVOA_X

ClientSampled :

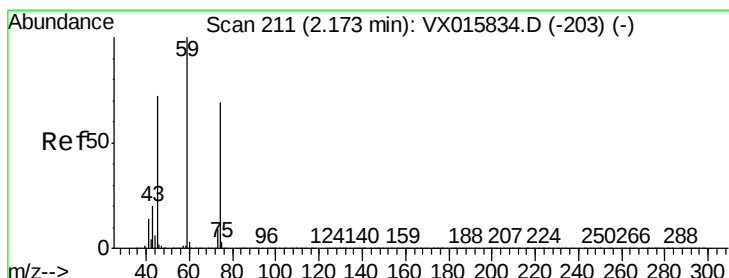
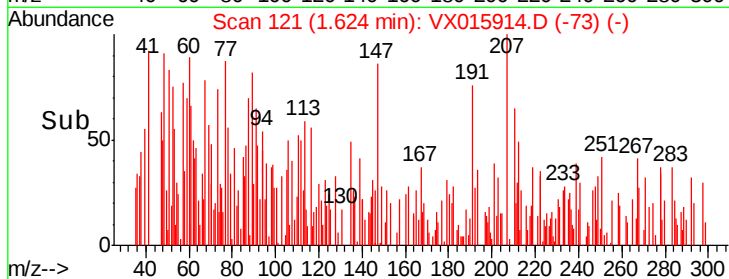
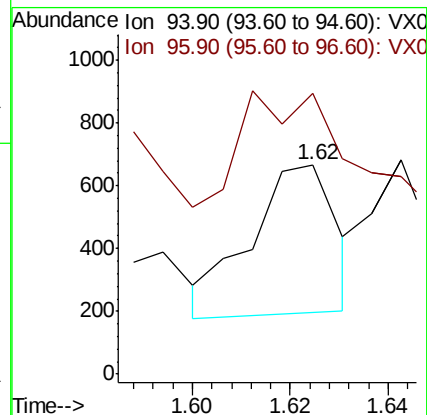
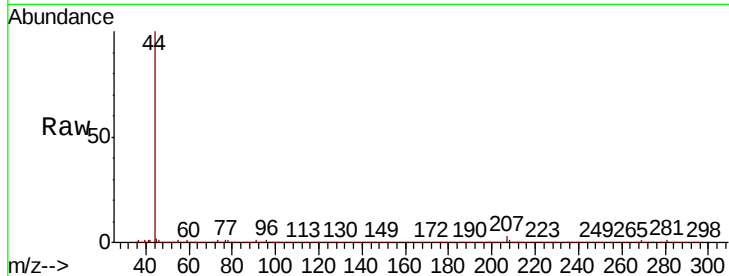
30963

Tot Ion: 94 Resp: 577

Ion Ratio Lower Upper

94 100

96 93.8 76.7 115.1



#8

Diethyl Ether

Concen: 0.432 ug/l

RT: 2.17 min Scan# 211

Delta R.T. -0.00 min

Lab File: VX015914.D

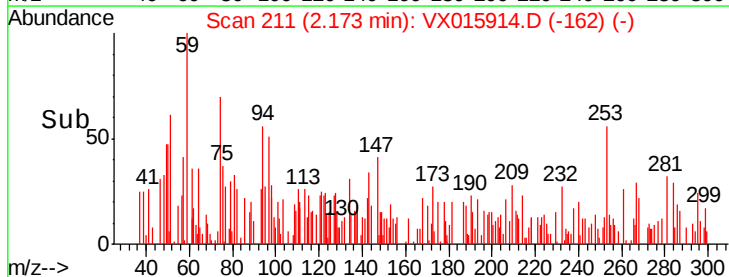
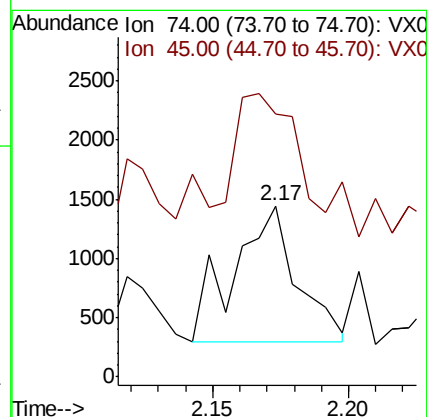
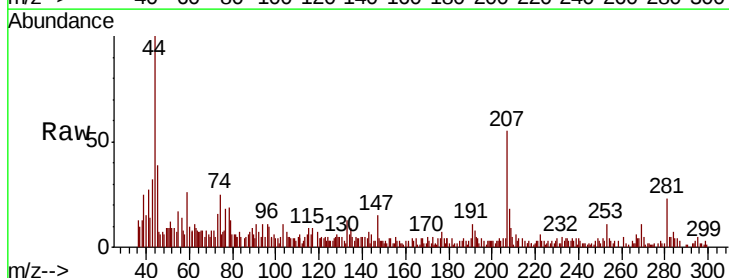
Acq: 24 Apr 2020 00:57

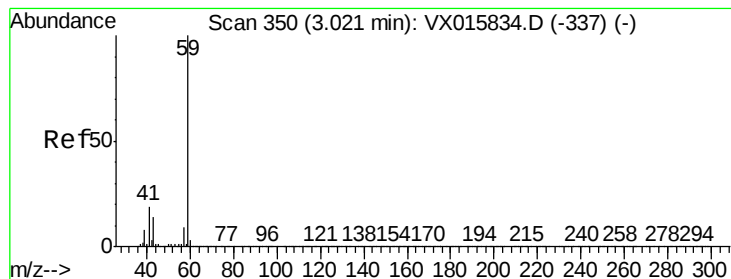
Tgt Ion: 74 Resp: 1864

Ion Ratio Lower Upper

74 100

45 79.6 53.8 161.4



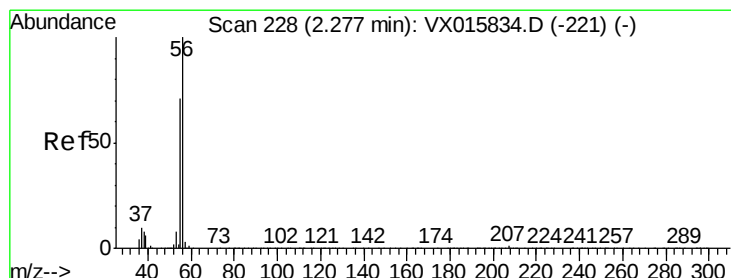
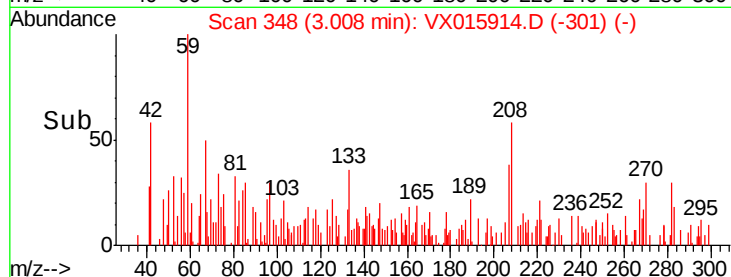
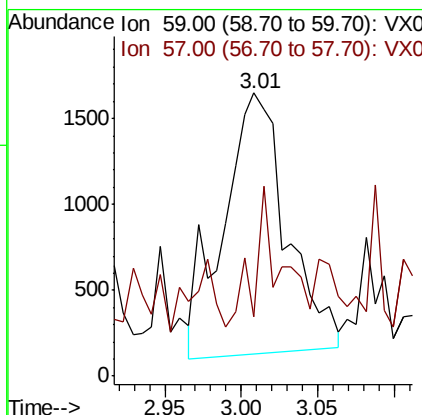
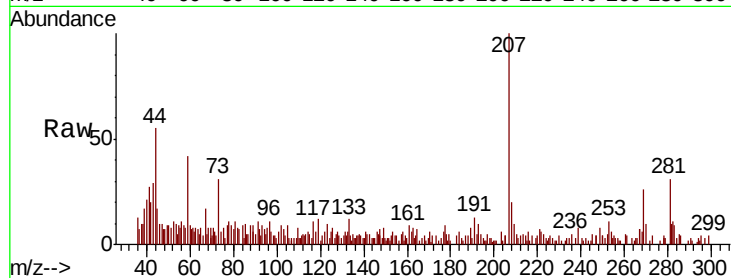


#11

Tert butyl alcohol
 Concen: 2.224 ug/l
 RT: 3.01 min Scan# 348
 Delta R.T. -0.01 min
 Lab File: VX015914.D
 Acq: 24 Apr 2020 00:57

Instrument :
 MSVOA_X
 ClientSampleID :
 30963

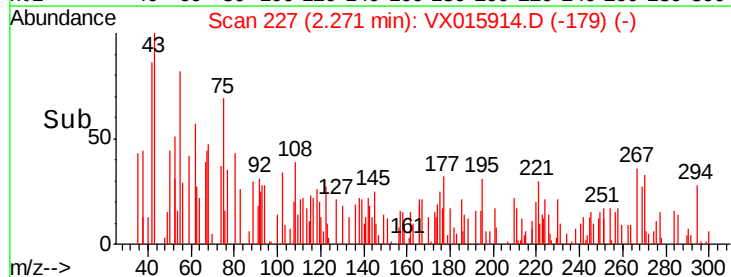
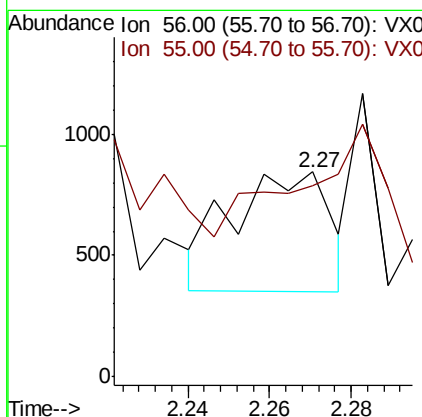
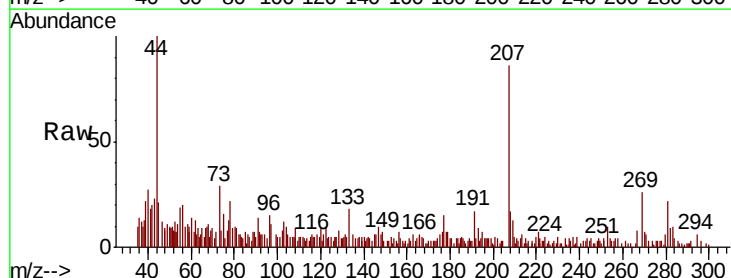
Tot Ion: 59 Resp: 4368
 Ion Ratio Lower Upper
 59 100
 57 23.4 8.2 12.2#

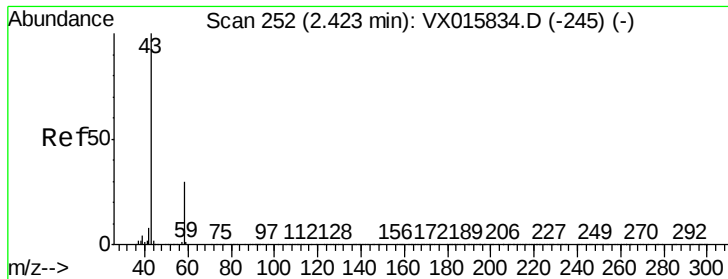


#13

Acrolein
 Concen: 0.700 ug/l
 RT: 2.27 min Scan# 227
 Delta R.T. -0.01 min
 Lab File: VX015914.D
 Acq: 24 Apr 2020 00:57

Tgt Ion: 56 Resp: 813
 Ion Ratio Lower Upper
 56 100
 55 79.3 56.1 84.1

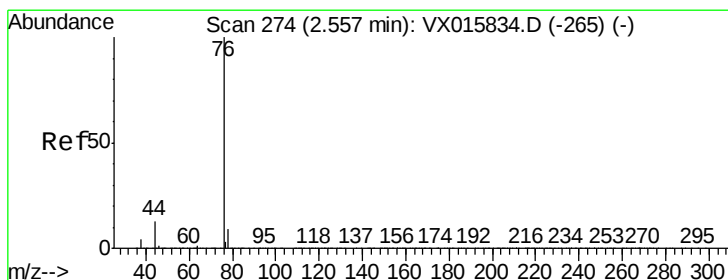
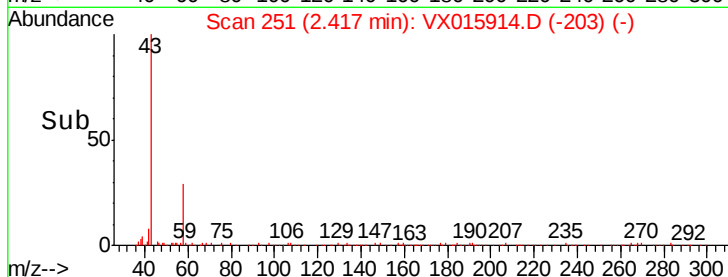
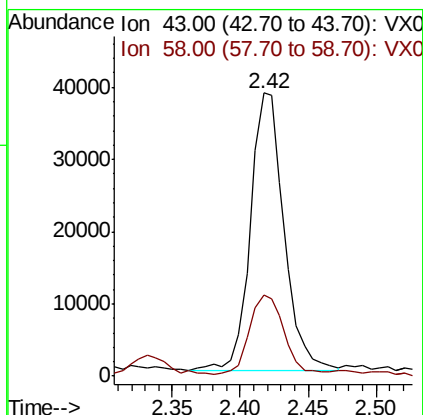
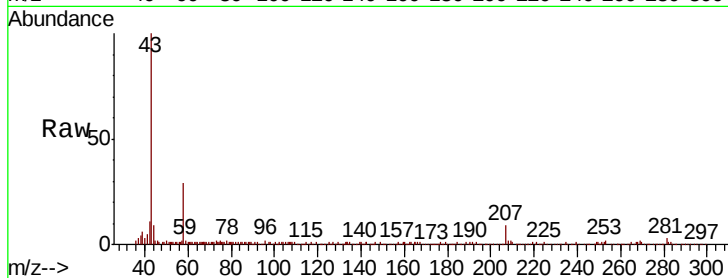




#16
Acetone
Concen: 16.078 ug/l
RT: 2.42 min Scan# 251
Delta R.T. -0.01 min
Lab File: VX015914.D
Acq: 24 Apr 2020 00:57

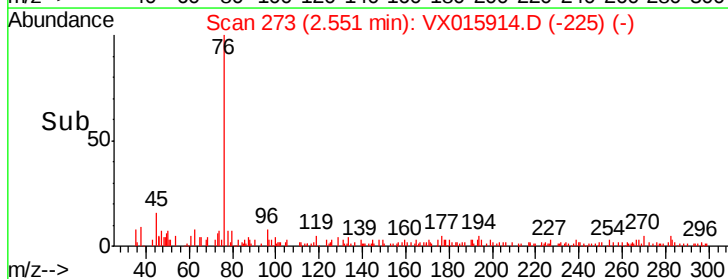
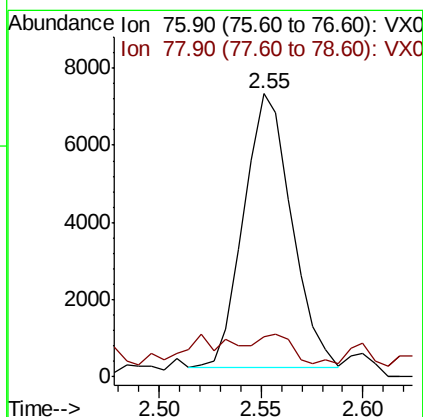
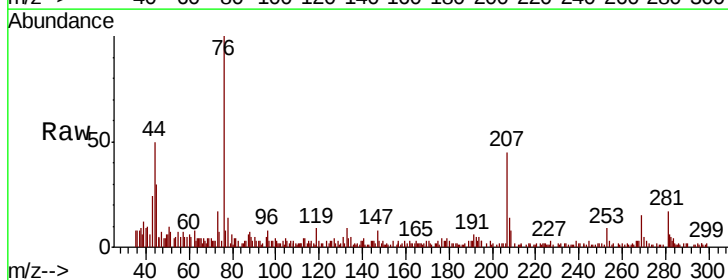
Instrument :
MSVOA_X
ClientSampled :
30963

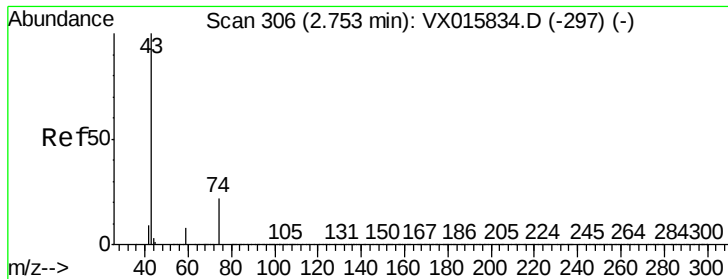
Tot Ion: 43 Resp: 67283
Ion Ratio Lower Upper
43 100
58 27.2 24.0 36.0



#17
Carbon Disulfide
Concen: 0.431 ug/l
RT: 2.55 min Scan# 273
Delta R.T. -0.01 min
Lab File: VX015914.D
Acq: 24 Apr 2020 00:57

Tgt Ion: 76 Resp: 11576
Ion Ratio Lower Upper
76 100
78 9.7 7.4 11.2

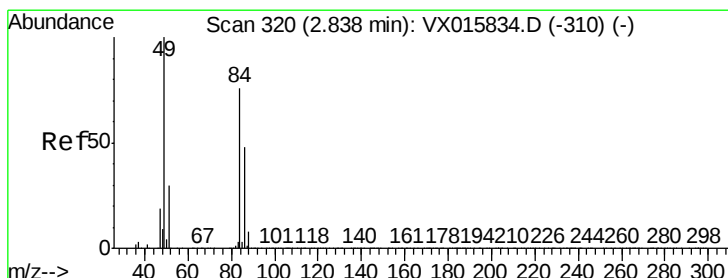
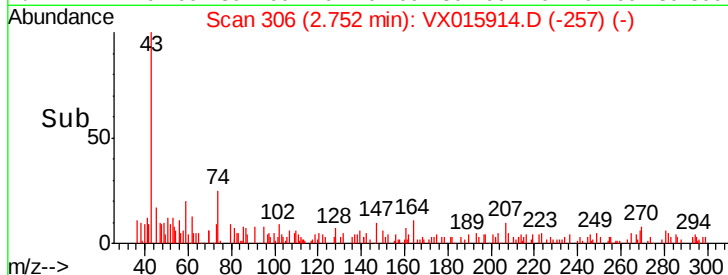
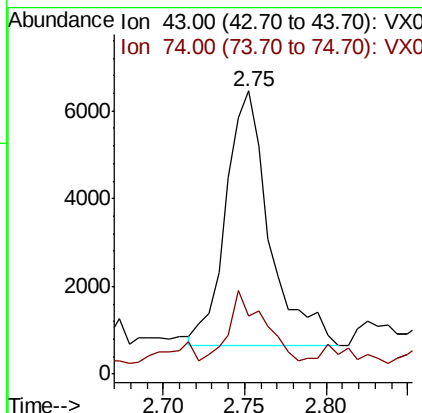
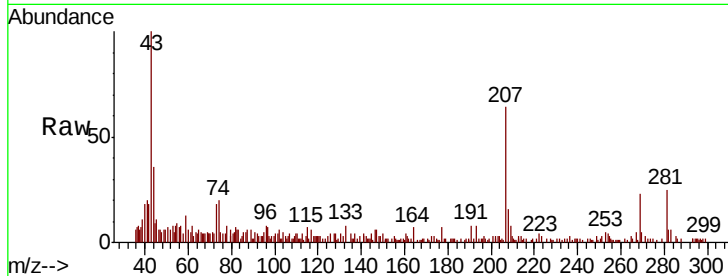




#18
Methyl Acetate
Concen: 0.783 ug/l
RT: 2.75 min Scan# 306
Delta R.T. -0.00 min
Lab File: VX015914.D
Acq: 24 Apr 2020 00:57

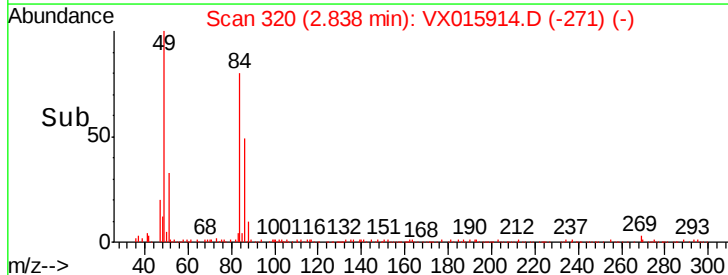
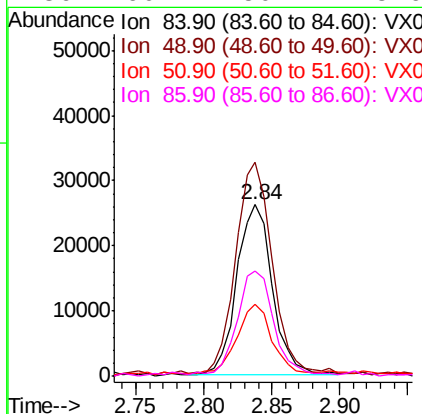
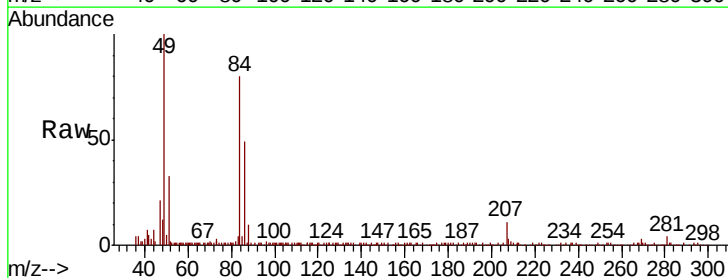
Instrument :
MSVOA_X
ClientSampleId :
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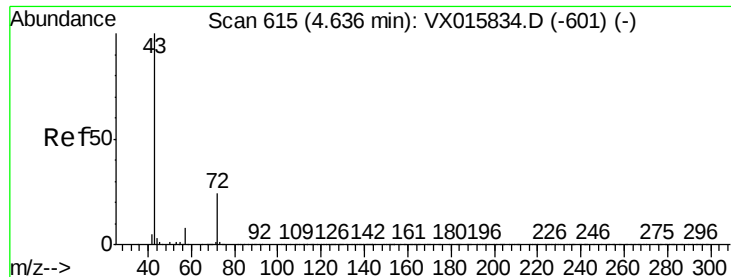
Tot Ion: 43 Resp: 10817
Ion Ratio Lower Upper
43 100
74 22.6 17.9 26.9



#20
Methylene Chloride
Concen: 5.672 ug/l
RT: 2.84 min Scan# 320
Delta R.T. -0.00 min
Lab File: VX015914.D
Acq: 24 Apr 2020 00:57

Tgt Ion: 84 Resp: 48188
Ion Ratio Lower Upper
84 100
49 124.0 104.9 157.3
51 40.2 32.0 48.0
86 60.4 50.4 75.6





#25

2-Butanone

Concen: 4.276 ug/l

RT: 4.64 min Scan# 616

Delta R.T. 0.01 min

Lab File: VX015914.D

Acq: 24 Apr 2020 00:57

Instrument :

MSVOA_X

ClientSampleId :

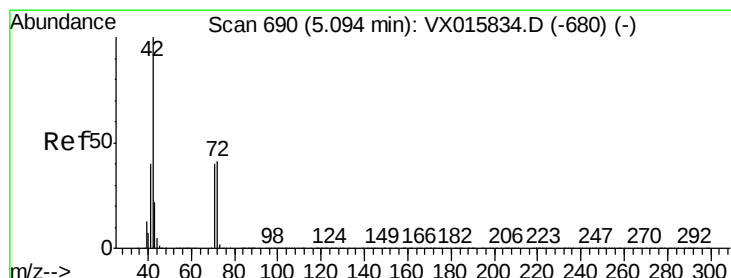
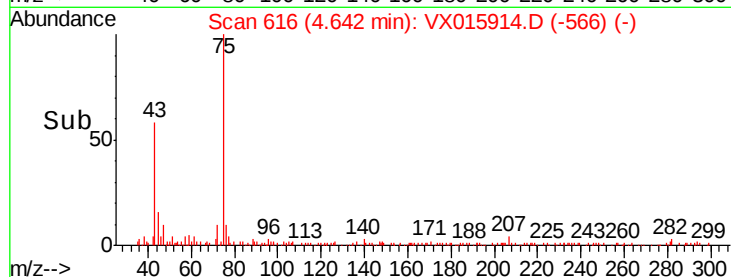
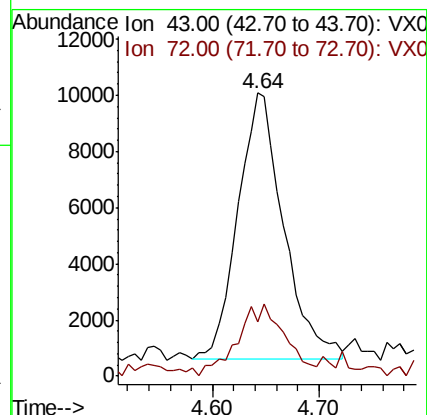
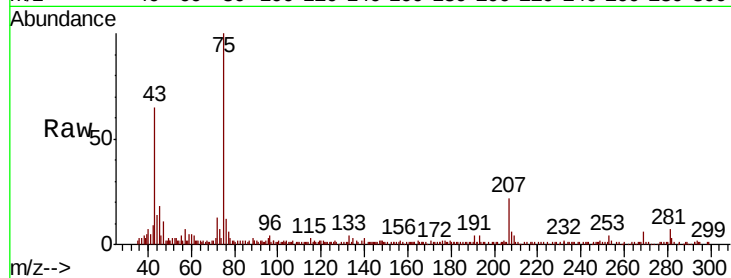
30963

Tot Ion: 43 Resp: 28287

Ion Ratio Lower Upper

43 100

72 17.8 19.4 29.2#



#29

Tetrahydrofuran

Concen: 0.999 ug/l

RT: 5.12 min Scan# 695

Delta R.T. 0.03 min

Lab File: VX015914.D

Acq: 24 Apr 2020 00:57

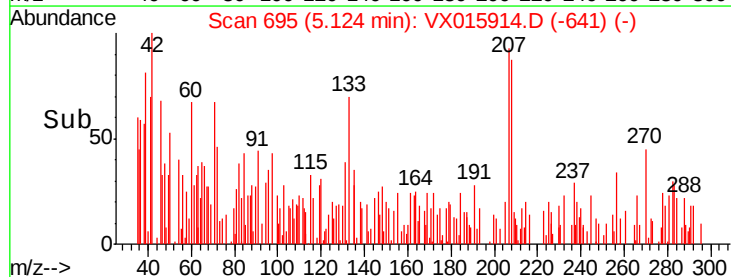
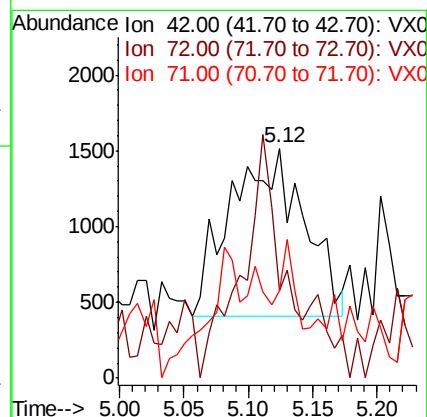
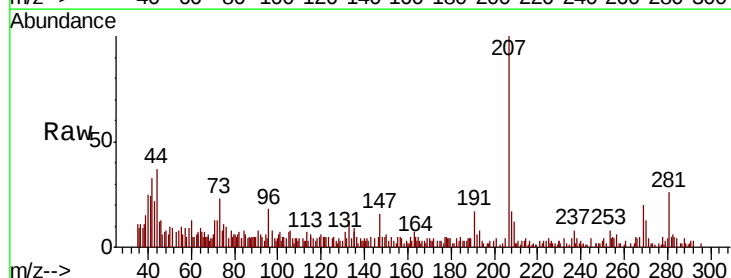
Tgt Ion: 42 Resp: 4370

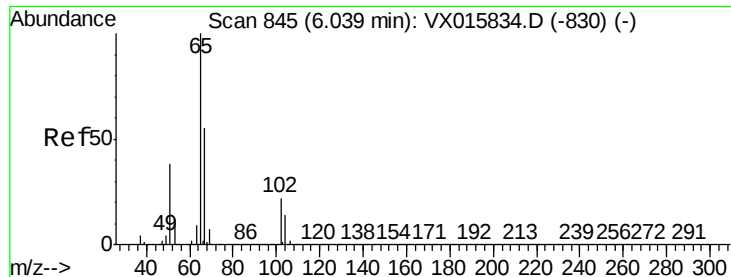
Ion Ratio Lower Upper

42 100

72 75.4 33.0 49.6#

71 9.1 30.6 45.8#





#33

1,2-Dichloroethane-d4

Concen: 49.500 ug/l

RT: 6.04 min Scan# 845

Delta R.T. -0.00 min

Lab File: VX015914.D

Acq: 24 Apr 2020 00:57

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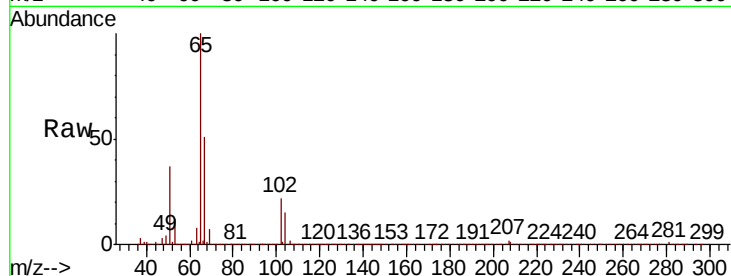
30963

Tot Ion: 65 Resp: 475749

Ion Ratio Lower Upper

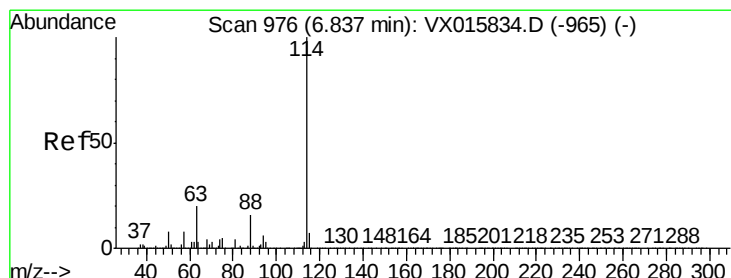
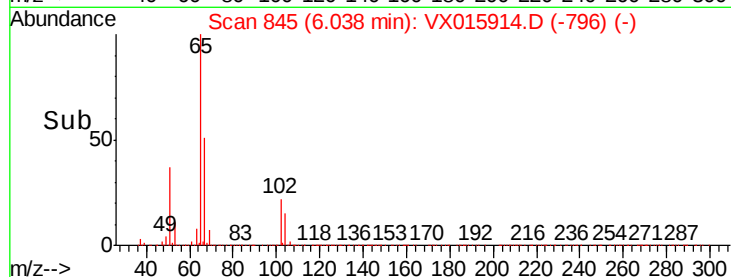
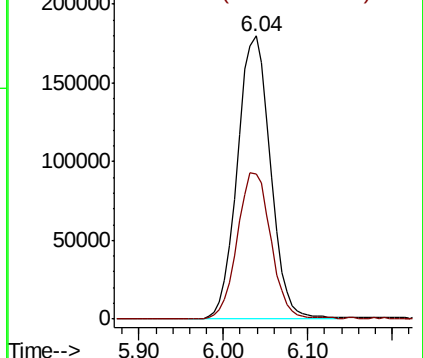
65 100

67 52.3 0.0 104.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 976

Delta R.T. -0.00 min

Lab File: VX015914.D

Acq: 24 Apr 2020 00:57

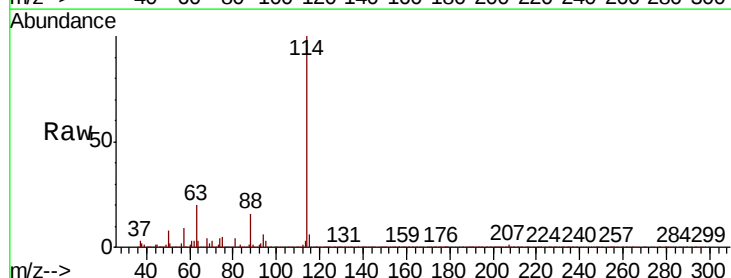
Tgt Ion: 114 Resp: 1282800

Ion Ratio Lower Upper

114 100

63 19.5 0.0 40.6

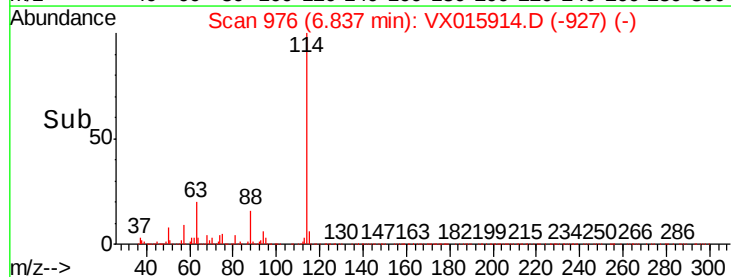
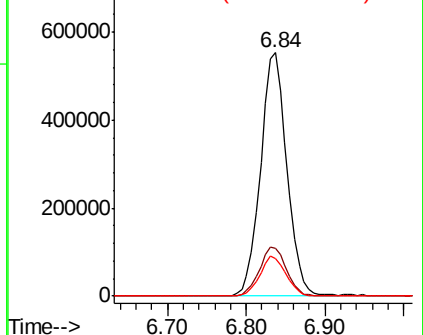
88 15.5 0.0 32.8

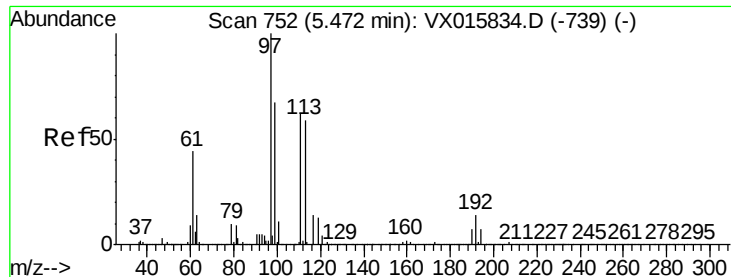


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 50.466 ug/l

RT: 5.47 min Scan# 752

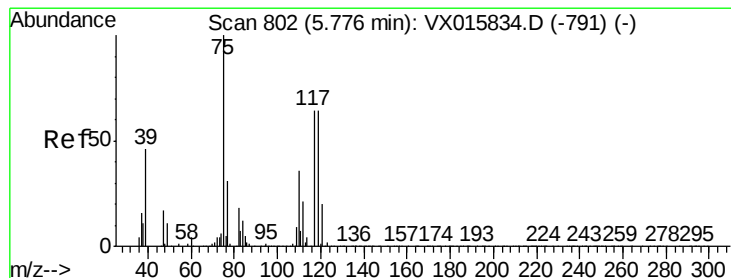
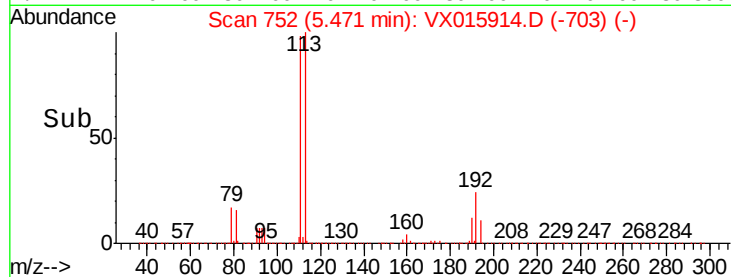
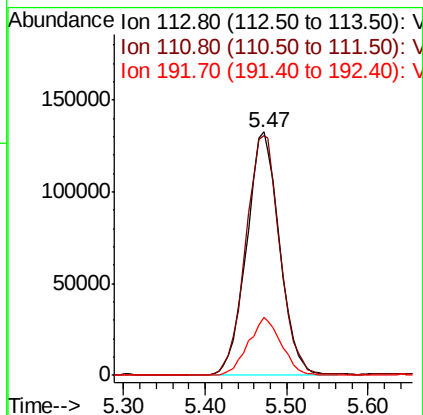
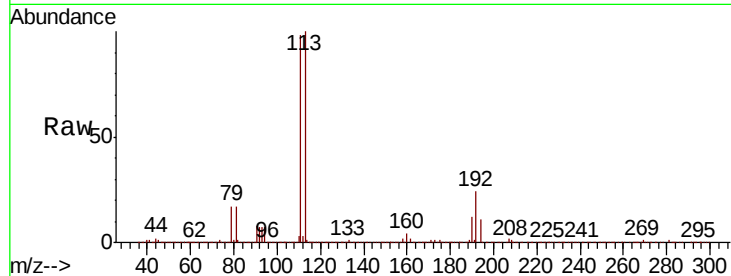
Delta R.T. -0.00 min

Lab File: VX015914.D

Acq: 24 Apr 2020 00:57

Instrument :
MSVOA_X
ClientSampleId :
30963

Tot Ion:	113	Resp:	373680
Ion	Ratio	Lower	Upper
113	100		
111	101.8	82.7	124.1
192	24.0	19.3	28.9



#36

1,1-Dichloropropene

Concen: 4.952 ug/l

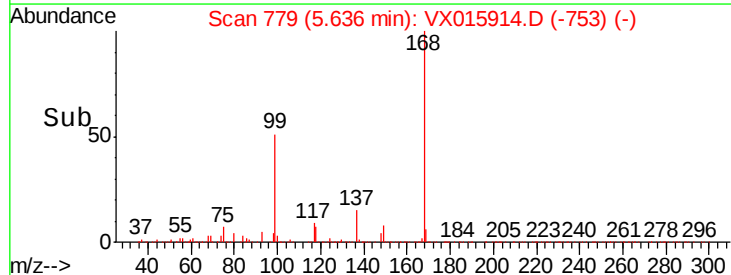
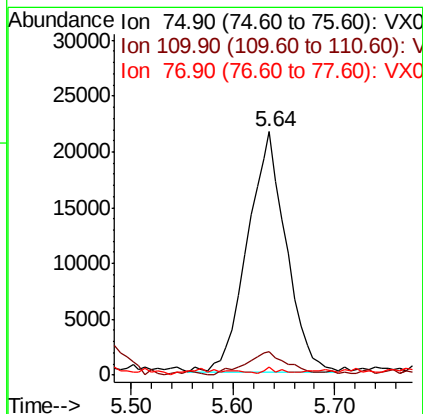
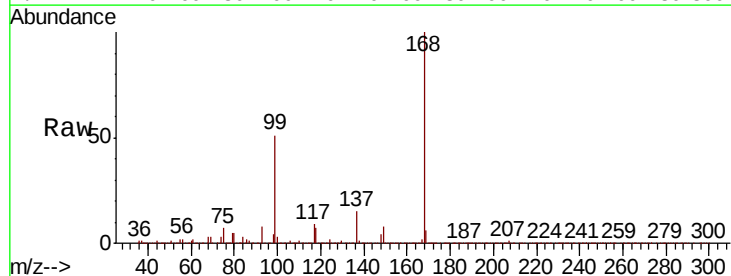
RT: 5.64 min Scan# 779

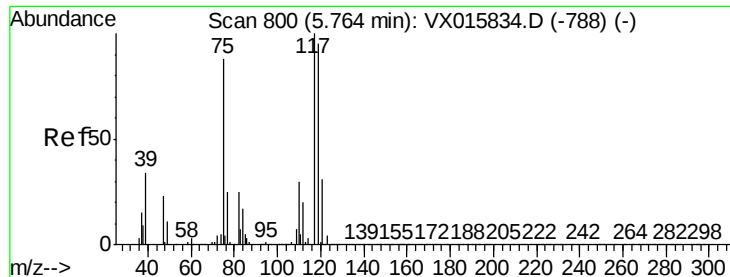
Delta R.T. -0.14 min

Lab File: VX015914.D

Acq: 24 Apr 2020 00:57

Tgt Ion:	75	Resp:	56321
Ion	Ratio	Lower	Upper
75	100		
110	11.5	17.9	53.8#
77	0.8	24.5	36.7#

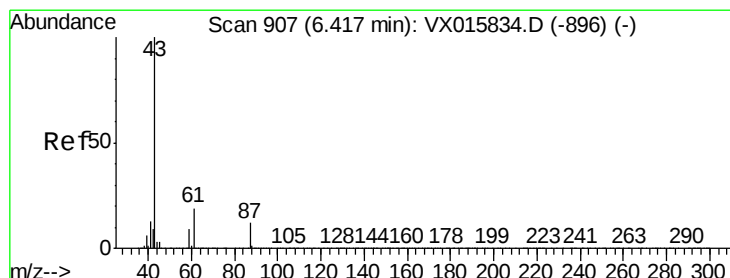
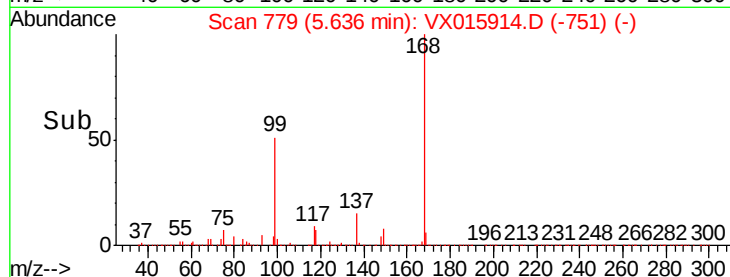
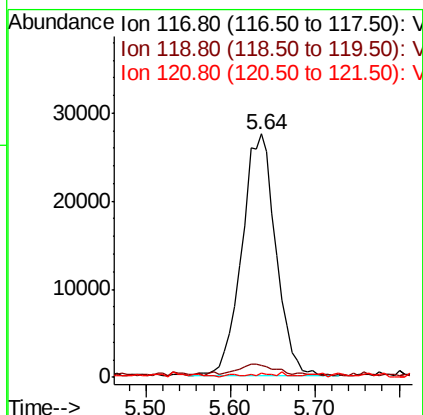
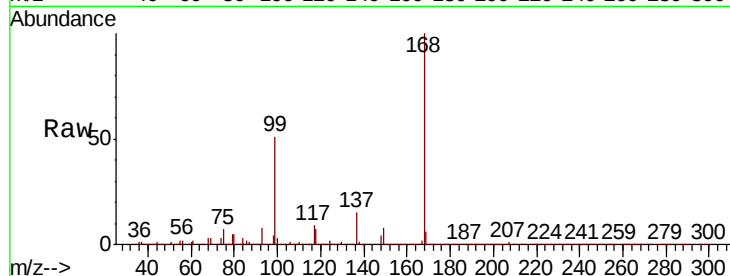




#38
Carbon Tetrachloride
Concen: 6.691 ug/l
RT: 5.64 min Scan# 779
Delta R.T. -0.13 min
Lab File: VX015914.D
Acq: 24 Apr 2020 00:57

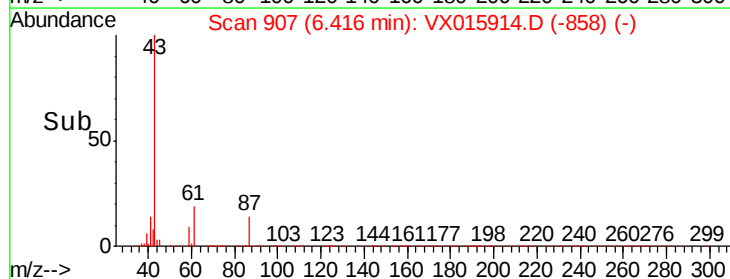
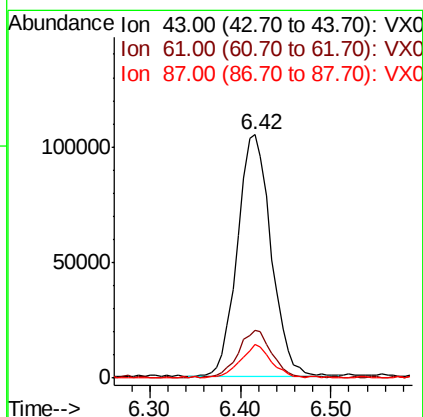
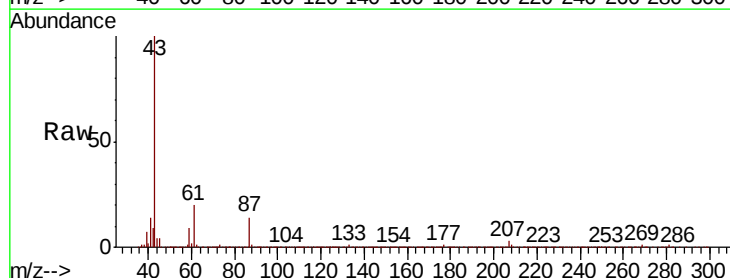
Instrument :
MSVOA_X
ClientSampleId :
30963

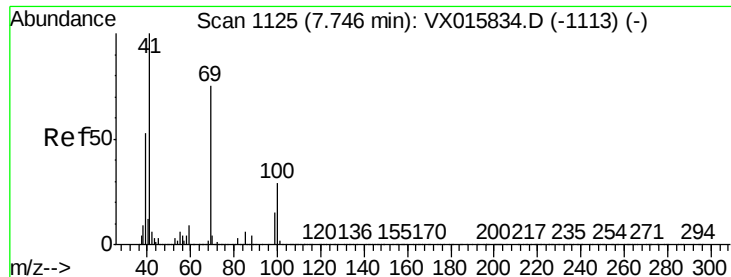
Tot Ion:117 Resp: 74951
Ion Ratio Lower Upper
117 100
119 3.7 75.7 113.5#
121 0.2 25.0 37.6#



#43
Isopropyl Acetate
Concen: 11.777 ug/l
RT: 6.42 min Scan# 907
Delta R.T. -0.00 min
Lab File: VX015914.D
Acq: 24 Apr 2020 00:57

Tgt Ion: 43 Resp: 268869
Ion Ratio Lower Upper
43 100
61 19.8 15.4 23.2
87 12.3 9.8 14.6

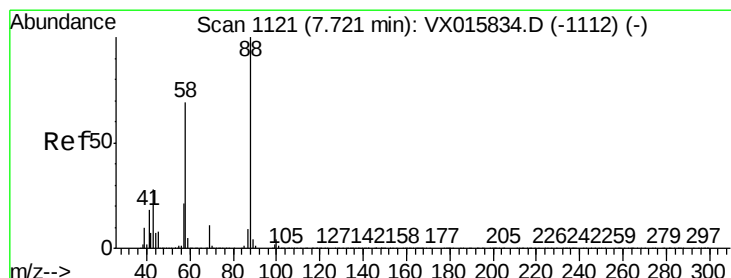
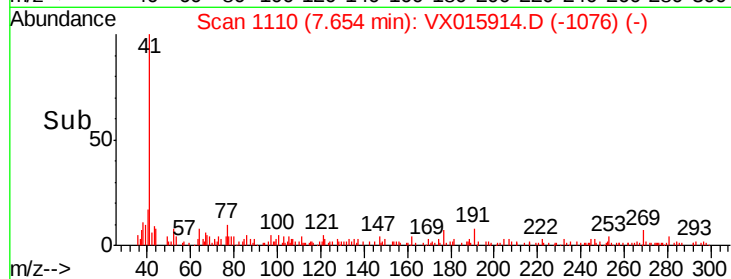
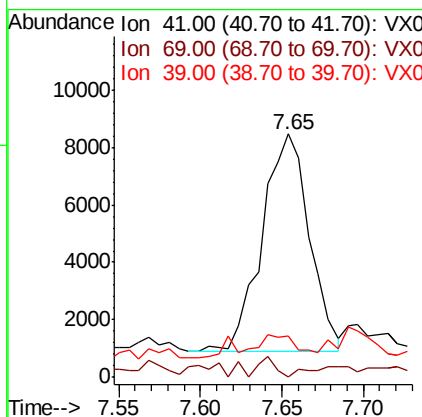
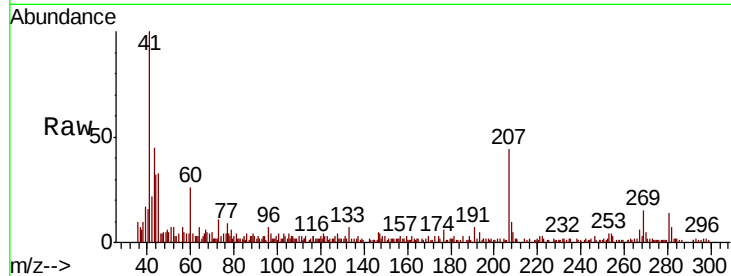




#48
Methvl methacrylate
Concen: 1.353 ug/l
RT: 7.65 min Scan# 1110
Delta R.T. -0.09 min
Lab File: VX015914.D
Acq: 24 Apr 2020 00:57

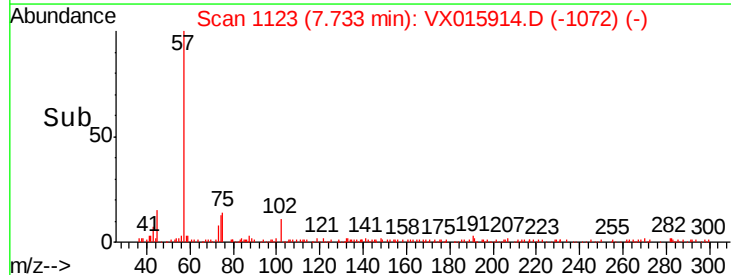
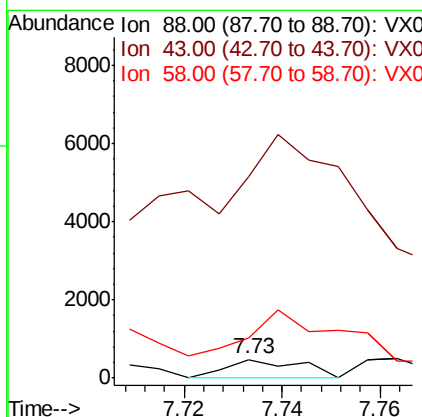
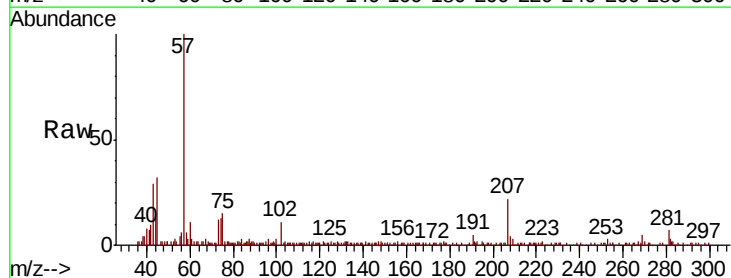
Instrument :
MSVOA_X
ClientSampled :
30963

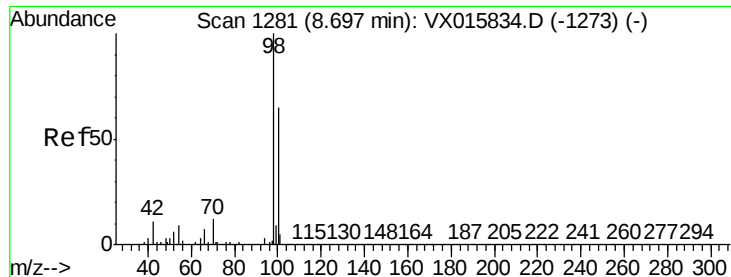
Tot Ion: 41 Resp: 15195
Ion Ratio Lower Upper
41 100
69 4.8 60.5 90.7#
39 0.0 42.1 63.1#



#49
1,4-Dioxane
Concen: 2.436 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. 0.01 min
Lab File: VX015914.D
Acq: 24 Apr 2020 00:57

Tgt Ion: 88 Resp: 517
Ion Ratio Lower Upper
88 100
43 0.0 28.2 42.4#
58 407.7 58.9 88.3#

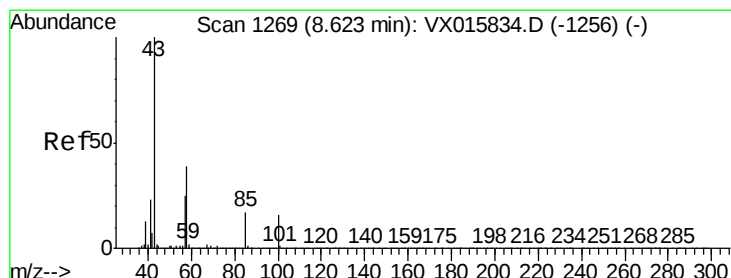
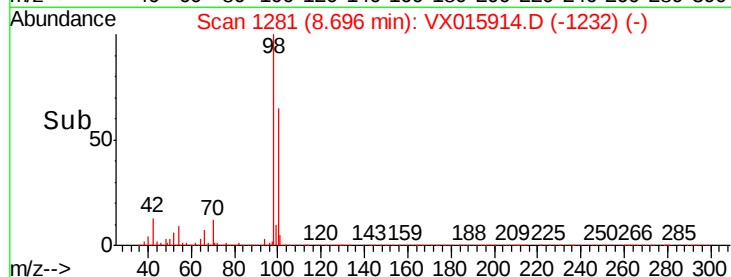
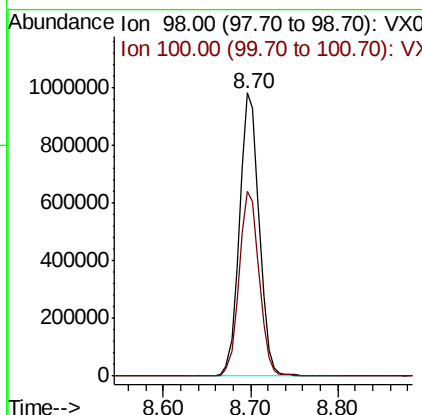
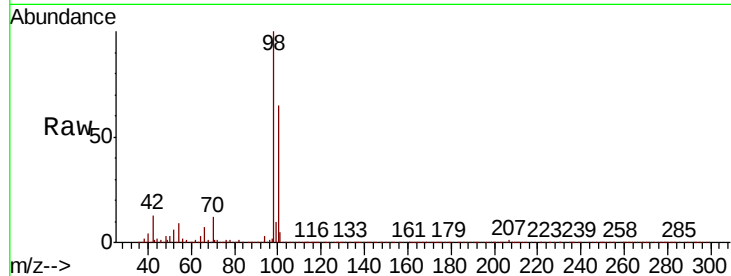




#50
Toluene-d8
Concen: 52.054 ug/l
RT: 8.70 min Scan# 1281
Delta R.T. -0.00 min
Lab File: VX015914.D
Acq: 24 Apr 2020 00:57

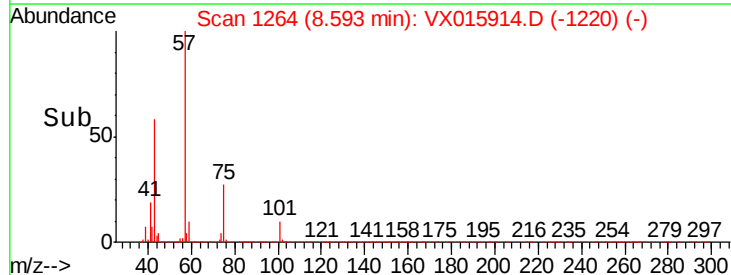
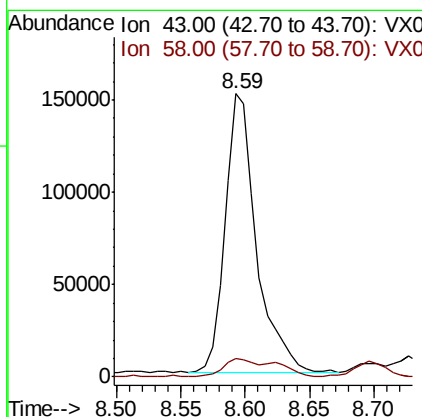
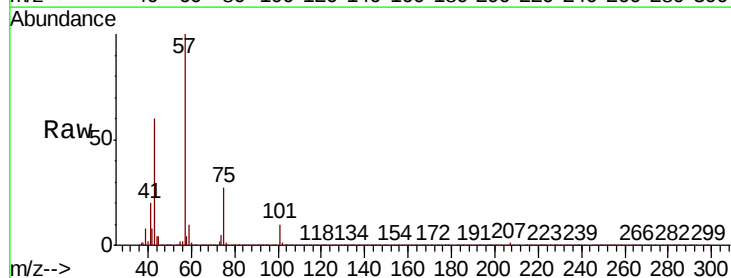
Instrument :
MSVOA_X
ClientSampleId :
30963

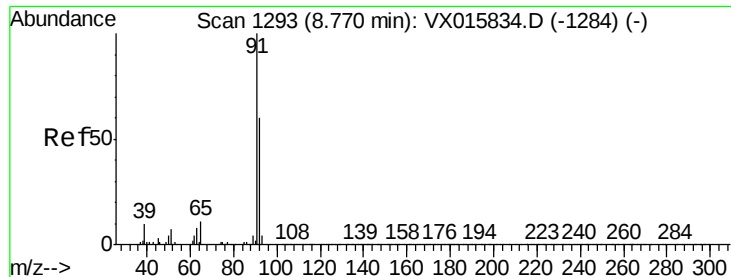
Tot Ion: 98 Resp: 1551626
Ion Ratio Lower Upper
98 100
100 66.5 53.8 80.6



#51
4-Methyl-2-Pentanone
Concen: 19.398 ug/l
RT: 8.59 min Scan# 1264
Delta R.T. -0.03 min
Lab File: VX015914.D
Acq: 24 Apr 2020 00:57

Tgt Ion: 43 Resp: 255625
Ion Ratio Lower Upper
43 100
58 6.8 30.6 45.8#





#52

Toluene

Concen: 0.372 ug/l

RT: 8.77 min Scan# 1293

Delta R.T. -0.00 min

Lab File: VX015914.D

Acq: 24 Apr 2020 00:57

Instrument :

MSVOA_X

ClientSampleId :

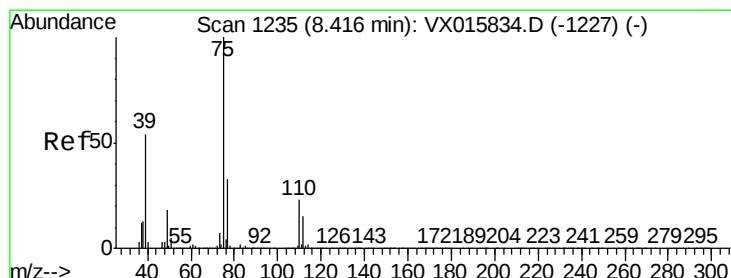
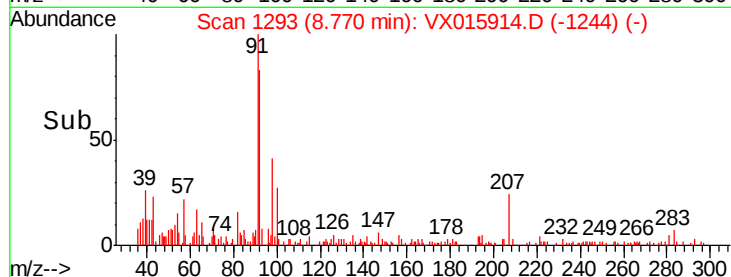
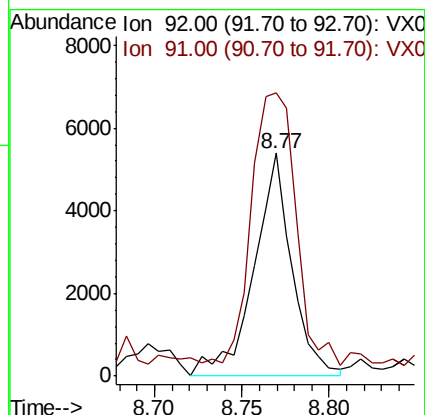
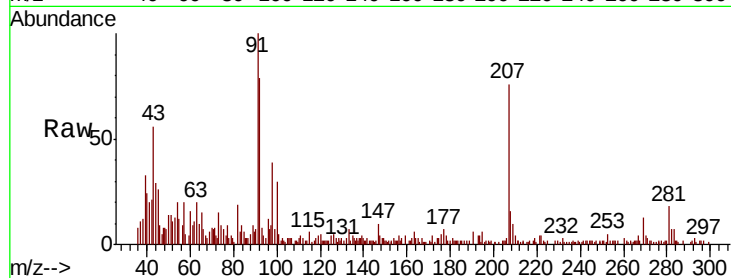
30963

Tot Ion: 92 Resp: 8171

Ion Ratio Lower Upper

92 100

91 142.2 133.4 200.0



#54

cis-1,3-Dichloropropene

Concen: 6.952 ug/l

RT: 8.60 min Scan# 1265

Delta R.T. 0.18 min

Lab File: VX015914.D

Acq: 24 Apr 2020 00:57

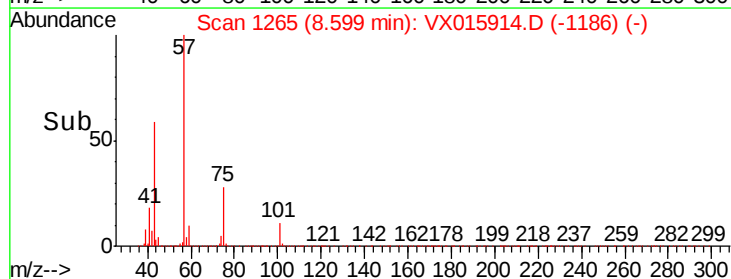
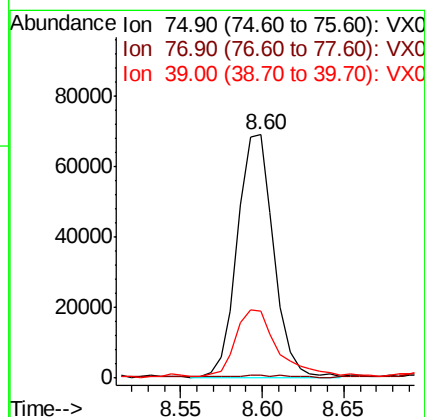
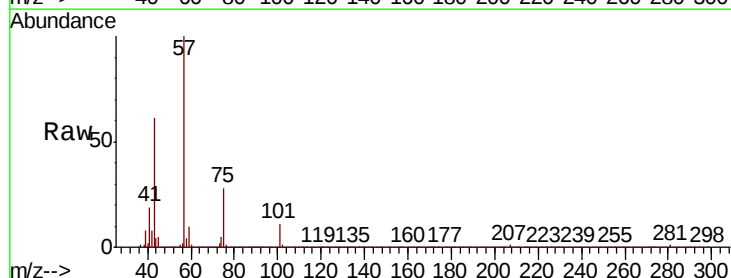
Tgt Ion: 75 Resp: 106273

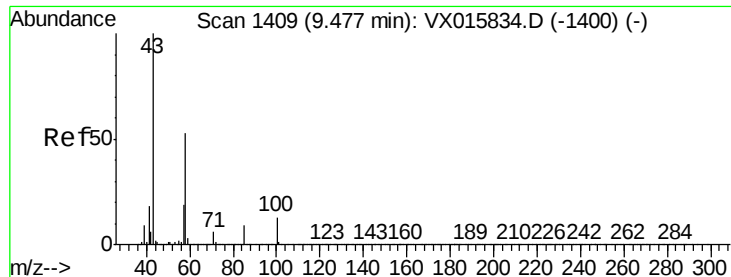
Ion Ratio Lower Upper

75 100

77 0.6 26.0 39.0#

39 26.7 42.8 64.2#

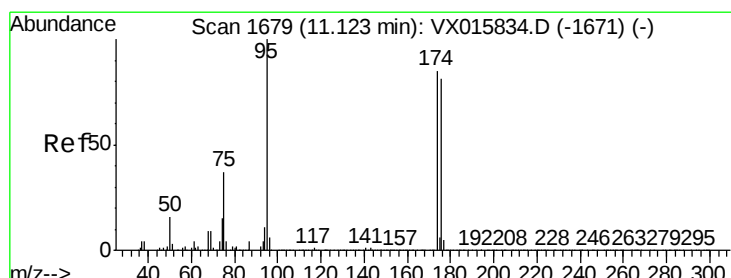
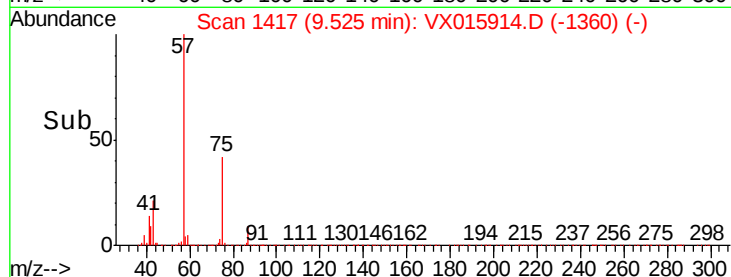
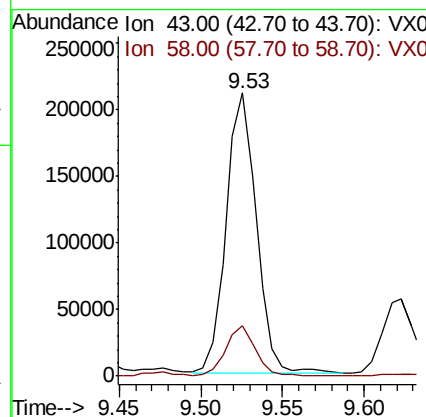
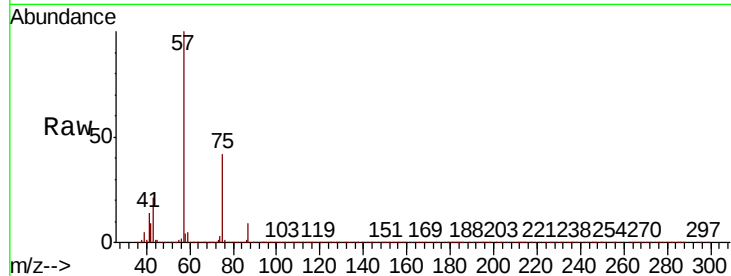




#59
2-Hexanone
Concen: 26.987 ug/l
RT: 9.53 min Scan# 1417
Delta R.T. 0.05 min
Lab File: VX015914.D
Acq: 24 Apr 2020 00:57

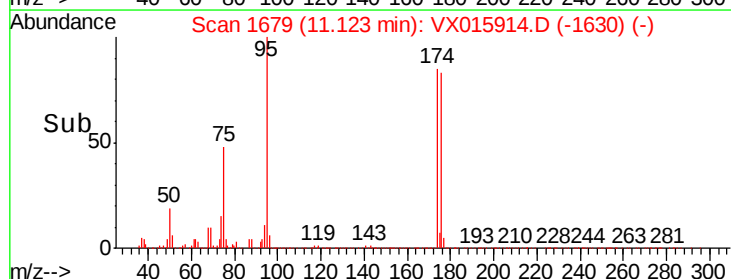
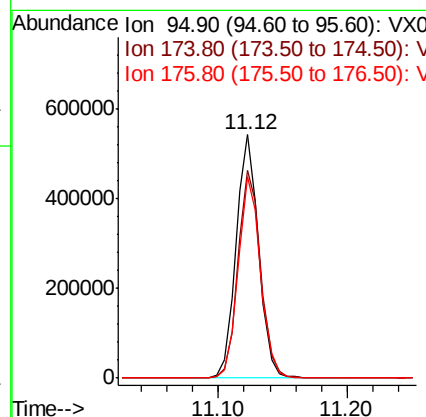
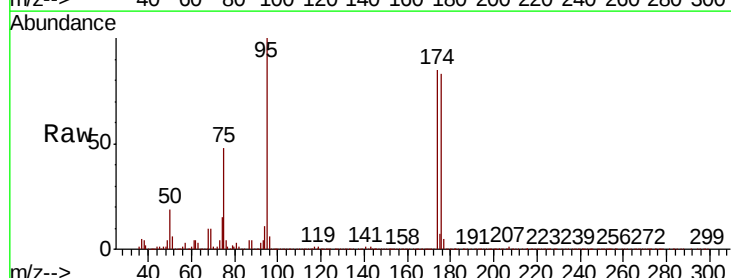
Instrument :
MSVOA_X
ClientSampleId :
30963

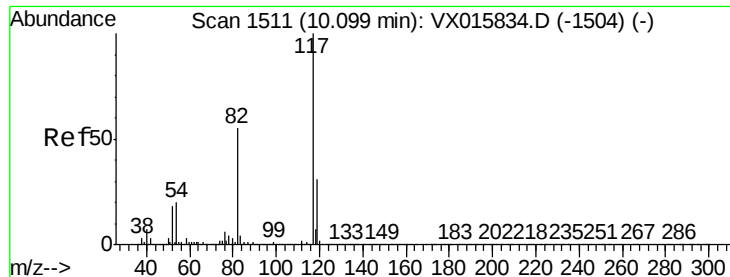
Tot Ion: 43 Resp: 270924
Ion Ratio Lower Upper
43 100
58 17.5 26.5 79.4#



#62
4-Bromofluorobenzene
Concen: 54.007 ug/l
RT: 11.12 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VX015914.D
Acq: 24 Apr 2020 00:57

Tgt Ion: 95 Resp: 660414
Ion Ratio Lower Upper
95 100
174 86.3 0.0 172.4
176 82.5 0.0 167.0

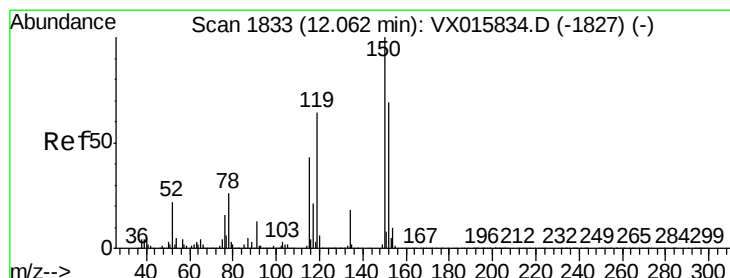
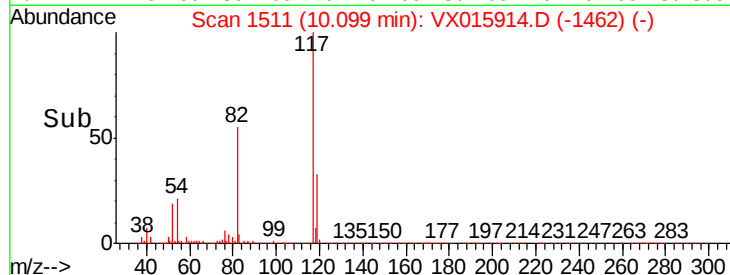
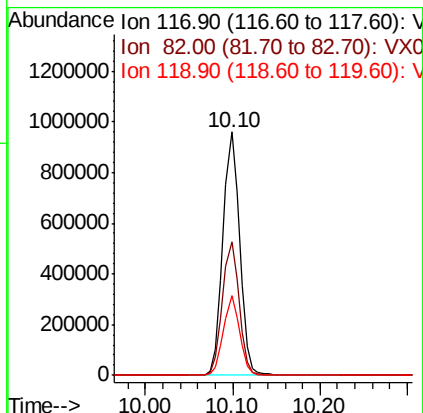
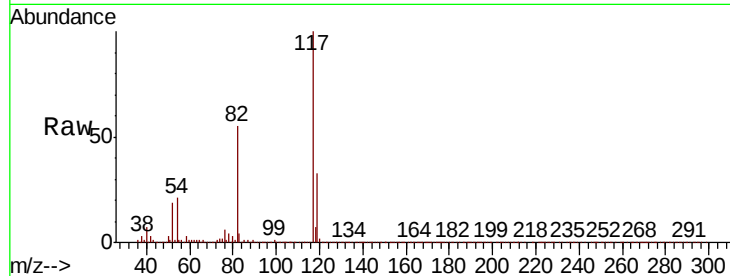




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1511
Delta R.T. -0.00 min
Lab File: VX015914.D
Acq: 24 Apr 2020 00:57

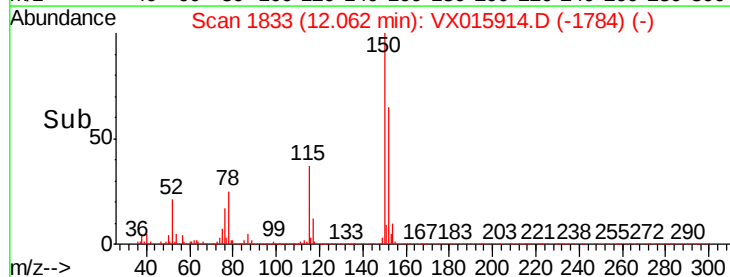
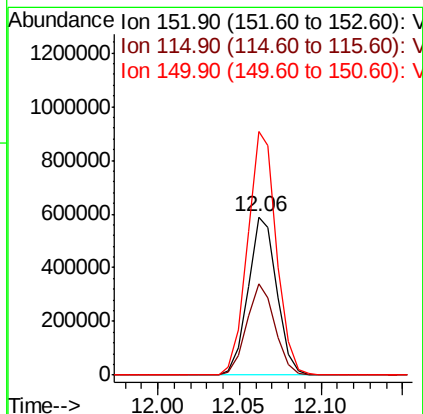
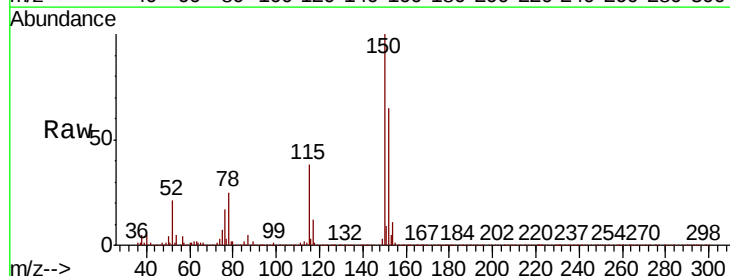
Instrument :
MSVOA_X
ClientSampleId :
30963

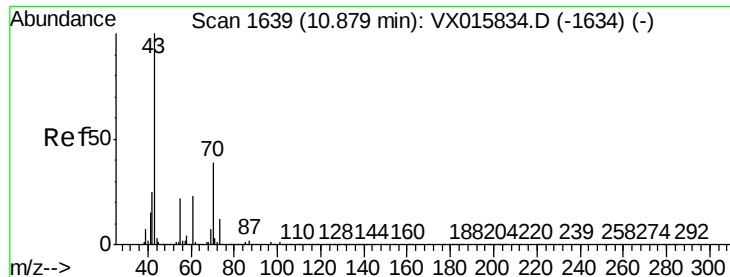
Tot Ion:117 Resp: 1267804
Ion Ratio Lower Upper
117 100
82 54.7 43.9 65.9
119 32.6 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1833
Delta R.T. -0.00 min
Lab File: VX015914.D
Acq: 24 Apr 2020 00:57

Tgt Ion:152 Resp: 724001
Ion Ratio Lower Upper
152 100
115 56.9 39.0 116.9
150 154.7 0.0 336.8





#74

N-amvl acetate

Concen: 0.744 ug/l

RT: 10.81 min Scan# 1627

Delta R.T. -0.07 min

Lab File: VX015914.D

Acq: 24 Apr 2020 00:57

Instrument :

MSVOA_X

ClientSampleId :

30963

Tot Ion: 43 Resp: 17652

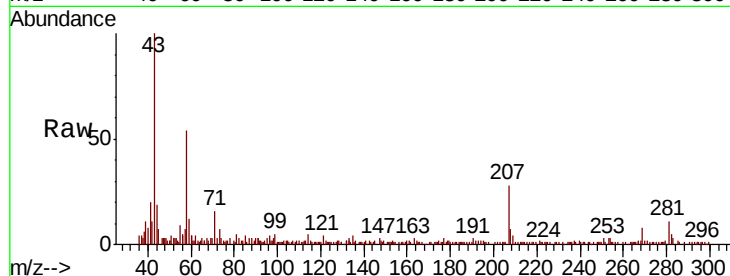
Ion Ratio Lower Upper

43 100

70 0.0 32.6 49.0#

55 8.4 18.3 27.5#

61 0.0 18.7 28.1#

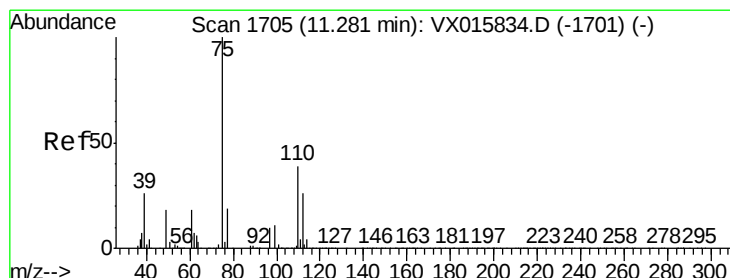
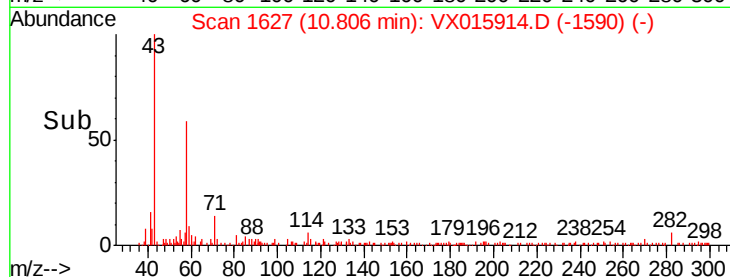
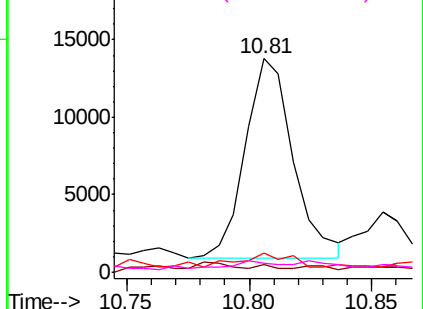


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



#76

1,2,3-Trichloropropane

Concen: 23.316 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.16 min

Lab File: VX015914.D

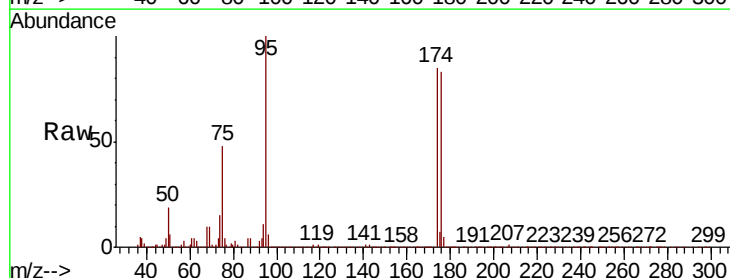
Acq: 24 Apr 2020 00:57

Tgt Ion: 75 Resp: 320998

Ion Ratio Lower Upper

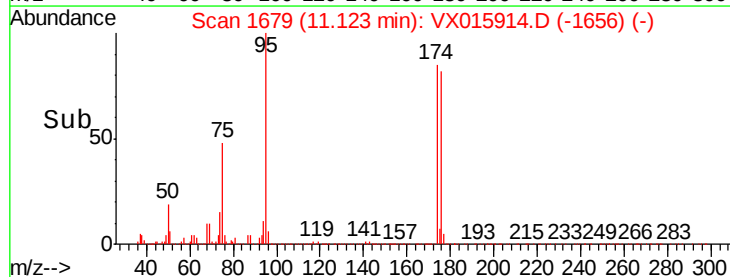
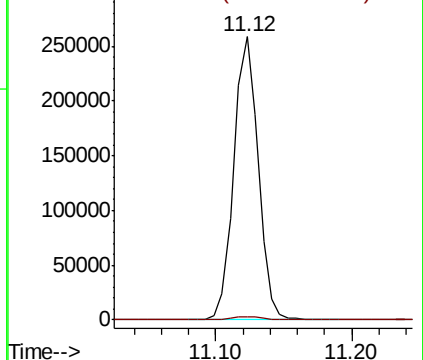
75 100

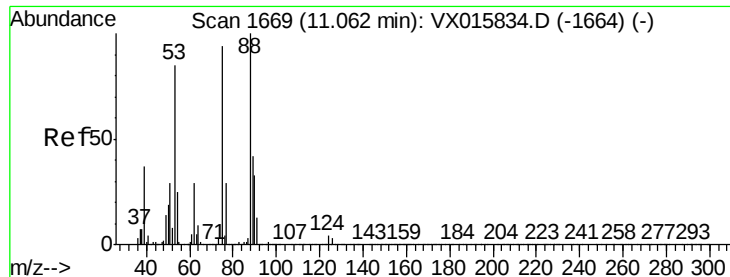
77 1.3 21.3 63.9#



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: 56.087 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.06 min

Lab File: VX015914.D

Acq: 24 Apr 2020 00:57

Instrument :

MSVOA_X

ClientSampleId :

30963

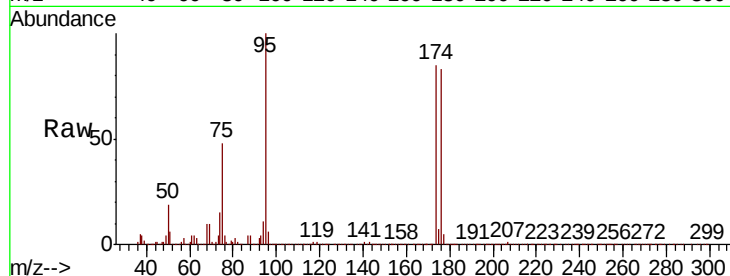
Tot Ion: 75 Resp: 320998

Ion Ratio Lower Upper

75 100

53 0.3 74.2 111.2#

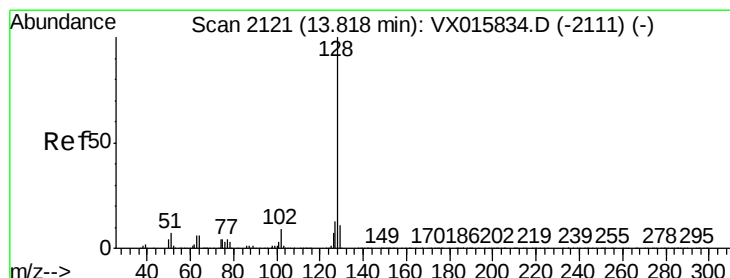
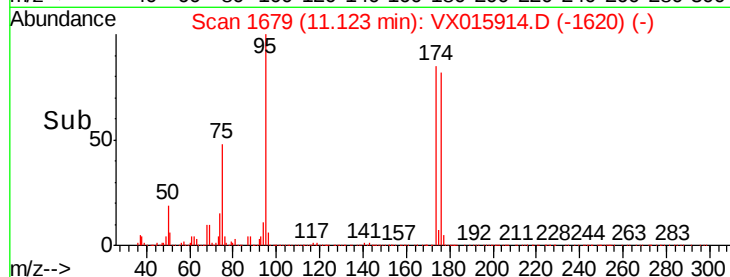
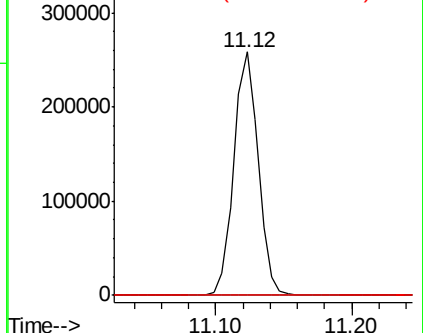
89 0.1 38.0 57.0#



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



#95

Naphthalene

Concen: 0.258 ug/l

RT: 13.82 min Scan# 2121

Delta R.T. -0.00 min

Lab File: VX015914.D

Acq: 24 Apr 2020 00:57

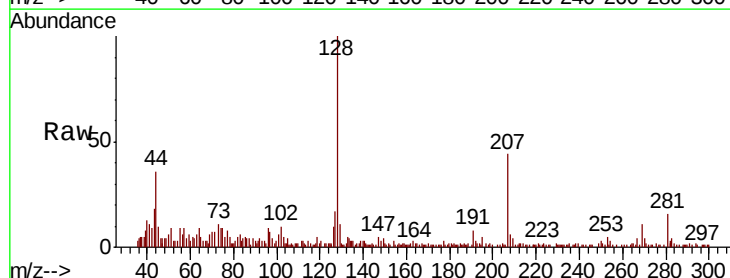
Tgt Ion: 128 Resp: 12807

Ion Ratio Lower Upper

128 100

127 16.6 10.5 15.7#

129 15.5 8.5 12.7#



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

