

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX080919\
 Data File : VX011411.D
 Acq On : 09 Aug 2019 15:42
 Operator : JC/SP
 Sample : K4279-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 Z3-0670

Quant Time: Aug 11 00:01:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 02 01:55:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	228288	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	328032	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	300178	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	159306	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	117879	51.27	ug/l	0.00
Spiked Amount			Recovery	=	102.54%	
35) Dibromofluoromethane	5.49	113	95952	44.80	ug/l	0.00
Spiked Amount			Recovery	=	89.60%	
50) Toluene-d8	8.71	98	384131	47.52	ug/l	0.00
Spiked Amount			Recovery	=	95.04%	
62) 4-Bromofluorobenzene	11.13	95	145442	50.39	ug/l	0.00
Spiked Amount			Recovery	=	100.78%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	585	0.377	ug/l #	77
6) Chloroethane	1.69	64	419	Below Cal	#	43
11) Tert butyl alcohol	3.03	59	3253	7.118	ug/l #	72
13) Acrolein	2.26	56	435	1.106	ug/l #	1
14) Allyl chloride	2.84	41	5008	1.809	ug/l #	62
15) Acrylonitrile	3.16	53	1778	1.625	ug/l #	48
16) Acetone	2.43	43	1619	1.480	ug/l	92
18) Methyl Acetate	2.84	43	10874	4.348	ug/l #	49
25) 2-Butanone	4.68	43	516	0.331	ug/l	91
31) Cyclohexane	5.57	56	115400	38.978	ug/l	98
36) 1,1-Dichloropropene	5.66	75	15433	5.389	ug/l #	47
38) Carbon Tetrachloride	5.66	117	20894	7.251	ug/l #	14
39) Methylcyclohexane	7.46	83	124387	36.640	ug/l	98
40) Benzene	6.15	78	13619347	1593.563	ug/l	95
42) 1,2-Dichloroethane	6.15	62	125804	43.531	ug/l #	72
43) Isopropyl Acetate	6.46	43	1851	0.403	ug/l #	59
48) Methyl methacrylate	7.73	41	5686	2.631	ug/l #	56
51) 4-Methyl-2-Pentanone	8.63	43	594	0.200	ug/l #	45
52) Toluene	8.78	92	7700	1.363	ug/l	96
53) t-1,3-Dichloropropene	9.13	75	151	2.883	ug/l #	43
55) 1,1,2-Trichloroethane	9.16	97	3966	1.707	ug/l #	23
56) Ethyl methacrylate	9.16	69	1019	0.308	ug/l #	26
59) 2-Hexanone	9.62	43	730	0.318	ug/l	89
67) Ethyl Benzene	10.25	91	4557088	422.774	ug/l	99
68) m/p-Xylenes	10.35	106	206248	49.468	ug/l	95
69) o-Xylene	10.69	106	25079	6.122	ug/l	95
70) Styrene	10.69	104	1712	0.253	ug/l #	1
73) Isopropylbenzene	11.02	105	602058	55.258	ug/l	100
74) N-amyl acetate	10.90	43	863	0.219	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	11.26	83	1951	0.537	ug/l #	58
76) 1,2,3-Trichloropropane	11.36	75	5666	1.953	ug/l #	1
78) n-propylbenzene	11.36	91	789353	65.148	ug/l	99
79) 2-Chlorotoluene	11.36	91	789353	109.302	ug/l #	38
80) 1,3,5-Trimethylbenzene	11.51	105	283969	31.135	ug/l	99

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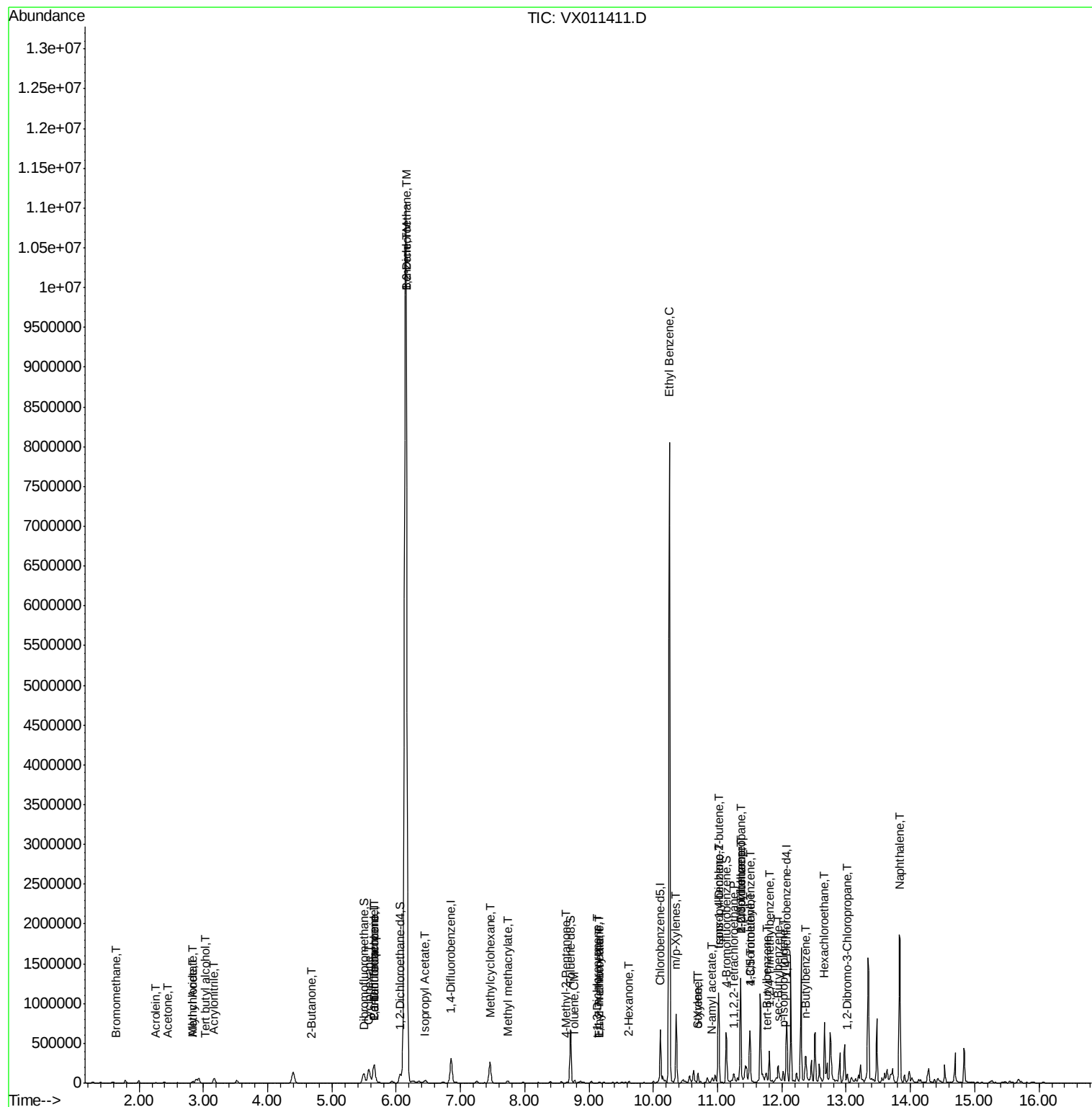
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
81) trans-1,4-Dichloro-2-buten	11.01	75	7346	10.677	ug/l #	66
82) 4-Chlorotoluene	11.51	91	30626	3.639	ug/l #	42
83) tert-Butylbenzene	11.77	119	8838	0.988	ug/l	82
84) 1,2,4-Trimethylbenzene	11.80	105	162330	17.876	ug/l	99
85) sec-Butylbenzene	11.94	105	102607	9.547	ug/l	88
86) p-Isopropyltoluene	12.02	119	48447	4.900	ug/l	97
89) n-Butylbenzene	12.38	91	74338	8.727	ug/l #	56
90) Hexachloroethane	12.66	117	32857	22.478	ug/l #	8
92) 1,2-Dibromo-3-Chloropropan	13.01	75	522	0.742	ug/l #	1
95) Naphthalene	13.83	128	1198955	115.258	ug/l	100

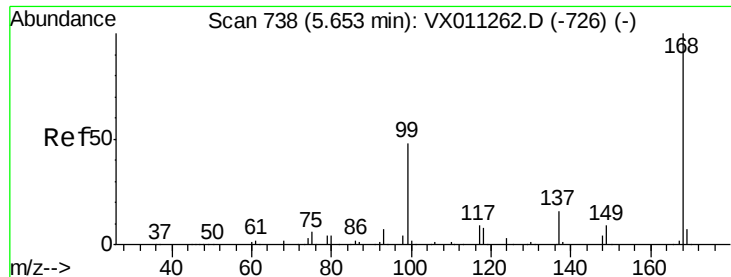
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.01 min

Lab File: VX011411.D

Acq: 09 Aug 2019 15:42

Instrument :

MSVOA_X

ClientSampled :

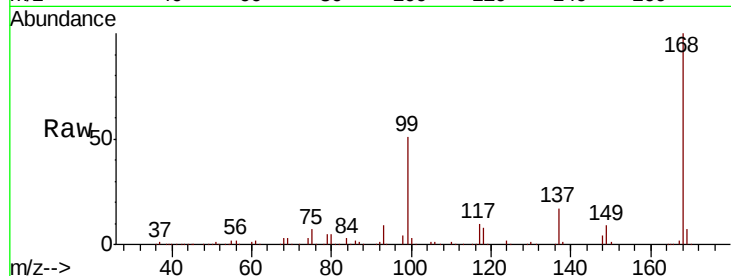
Z3-0670

Tgt Ion:168 Resp: 228288

Ion Ratio Lower Upper

168 100

99 51.2 38.5 57.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

80000

60000

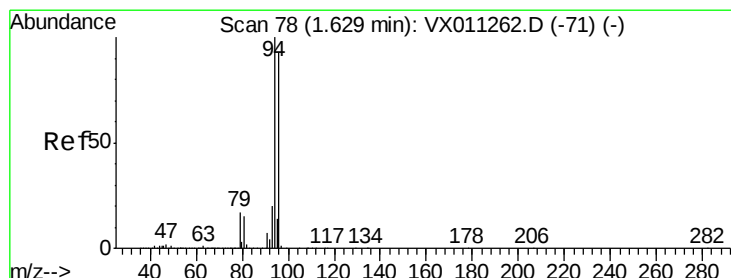
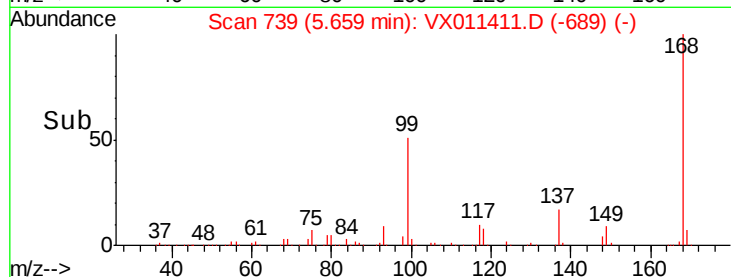
40000

20000

0

5.50 5.60 5.70 5.80

Time-->



#5

Bromomethane

Concen: 0.377 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.01 min

Lab File: VX011411.D

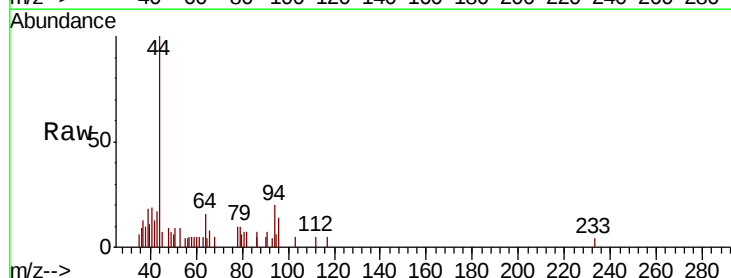
Acq: 09 Aug 2019 15:42

Tgt Ion: 94 Resp: 585

Ion Ratio Lower Upper

94 100

96 71.6 74.6 112.0#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

250

200

150

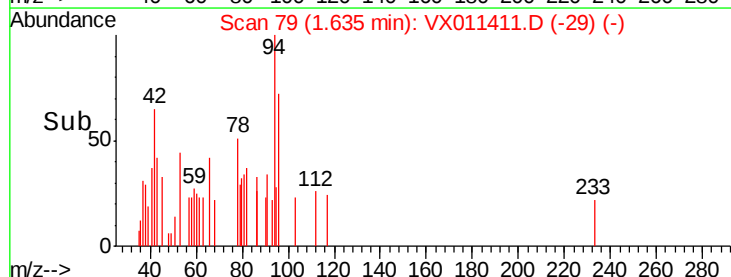
100

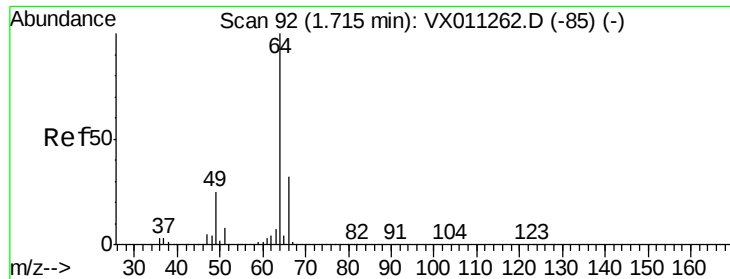
50

0

1.60 1.65 1.70

Time-->





#6

Chloroethane

Concen: Below Cal

RT: 1.69 min Scan# 88

Delta R.T. -0.02 min

Lab File: VX011411.D

Acq: 09 Aug 2019 15:42

Instrument :

MSVOA_X

ClientSampled :

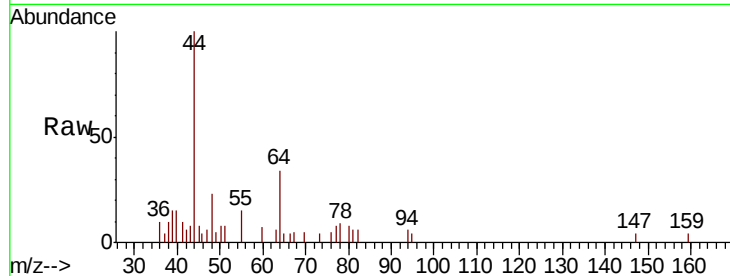
Z3-0670

Tgt Ion: 64 Resp: 419

Ion Ratio Lower Upper

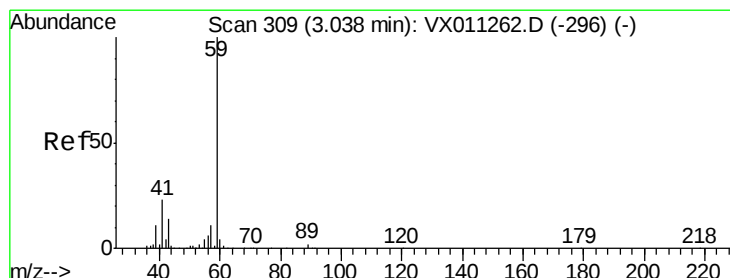
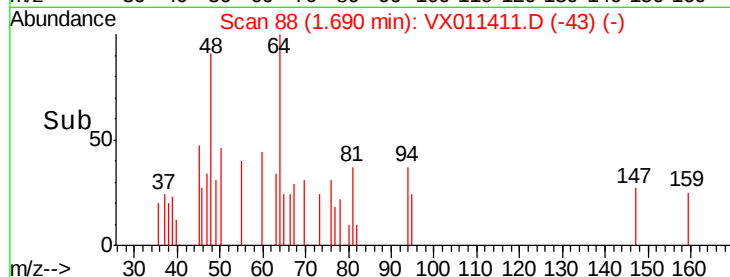
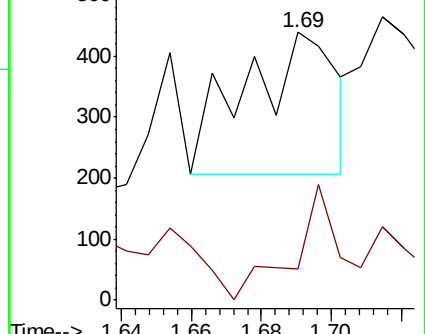
64 100

66 0.0 25.1 37.7#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#11

Tert butyl alcohol

Concen: 7.118 ug/l

RT: 3.03 min Scan# 307

Delta R.T. -0.01 min

Lab File: VX011411.D

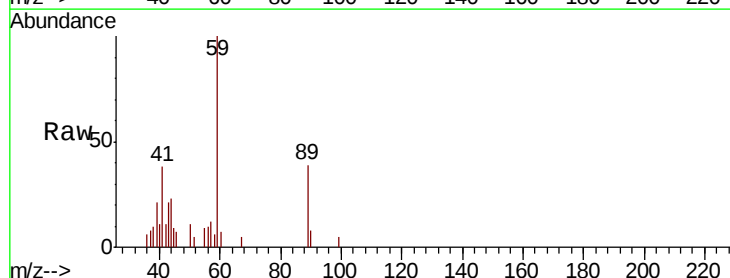
Acq: 09 Aug 2019 15:42

Tgt Ion: 59 Resp: 3253

Ion Ratio Lower Upper

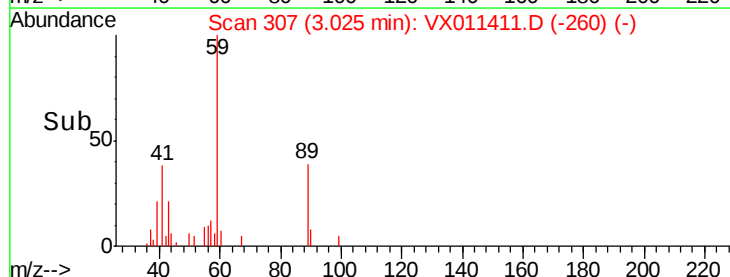
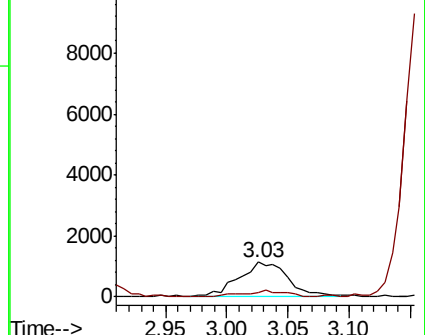
59 100

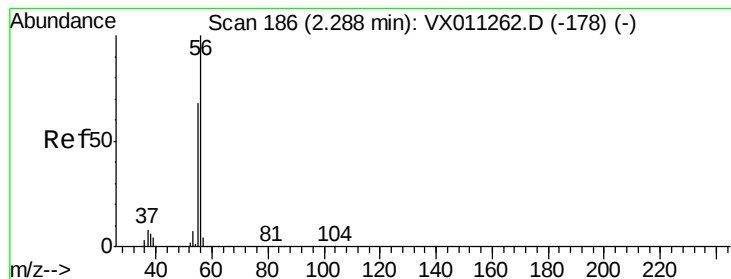
57 0.0 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 1.106 ug/l

RT: 2.26 min Scan# 181

Delta R.T. -0.03 min

Lab File: VX011411.D

Acq: 09 Aug 2019 15:42

Instrument :

MSVOA_X

ClientSampled :

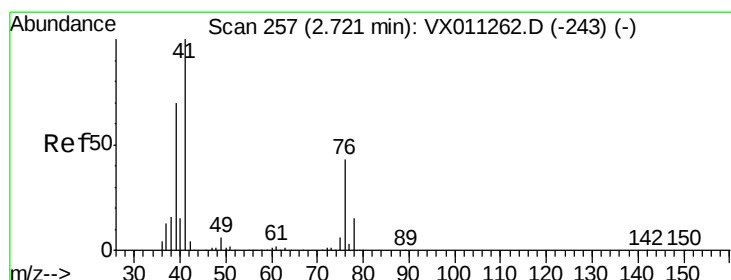
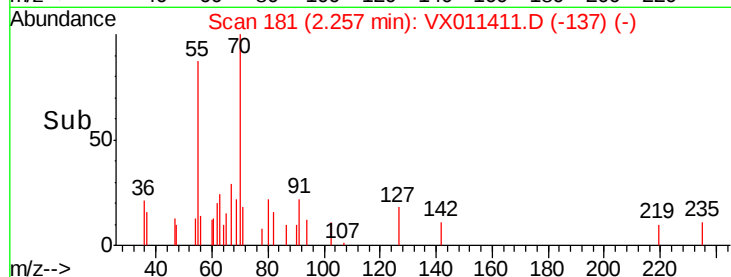
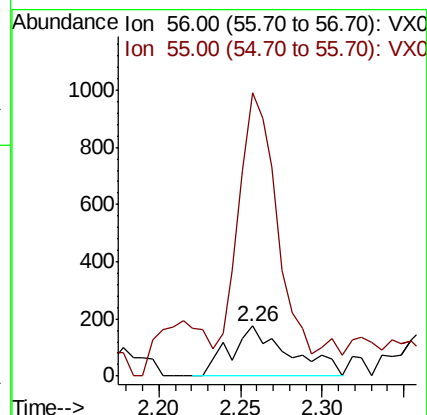
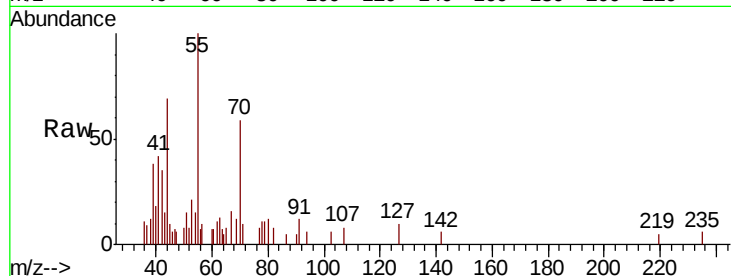
Z3-0670

Tgt Ion: 56 Resp: 435

Ion Ratio Lower Upper

56 100

55 403.0 56.0 84.0#



#14

Allyl chloride

Concen: 1.809 ug/l

RT: 2.84 min Scan# 276

Delta R.T. 0.12 min

Lab File: VX011411.D

Acq: 09 Aug 2019 15:42

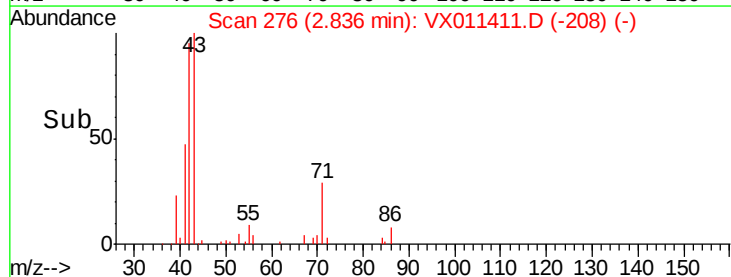
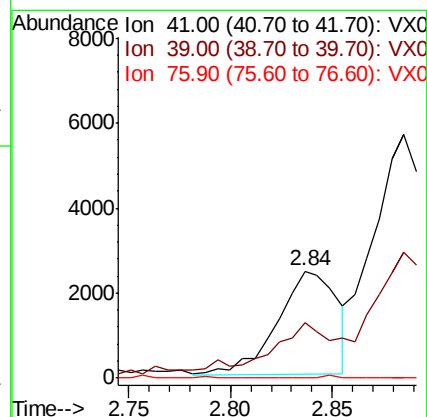
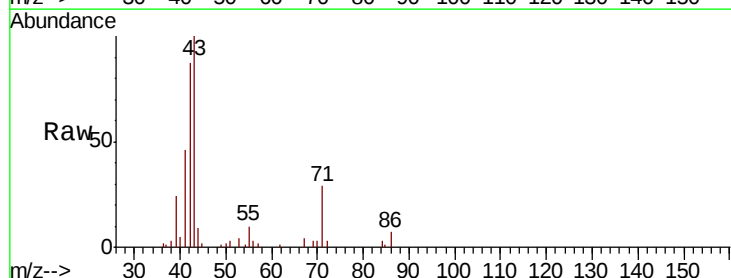
Tgt Ion: 41 Resp: 5008

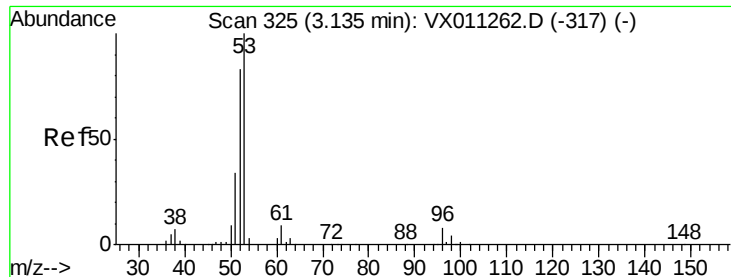
Ion Ratio Lower Upper

41 100

39 47.0 52.8 79.2#

76 0.5 31.1 46.7#





#15

Acrylonitrile

Concen: 1.625 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.02 min

Lab File: VX011411.D

Acq: 09 Aug 2019 15:42

Instrument :

MSVOA_X

ClientSampleId :

Z3-0670

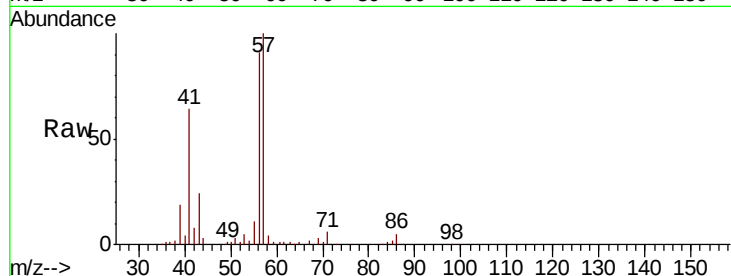
Tgt Ion: 53 Resp: 1778

Ion Ratio Lower Upper

53 100

52 31.6 65.5 98.3#

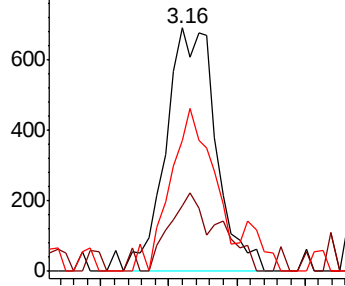
51 59.3 27.9 41.9#



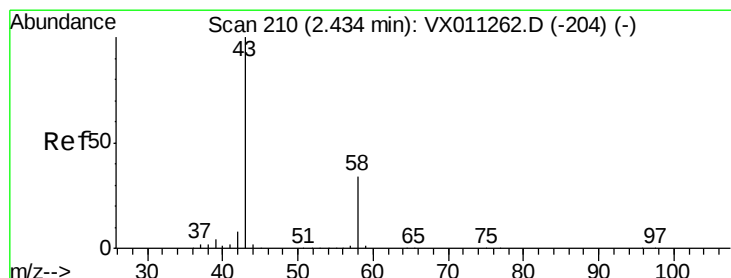
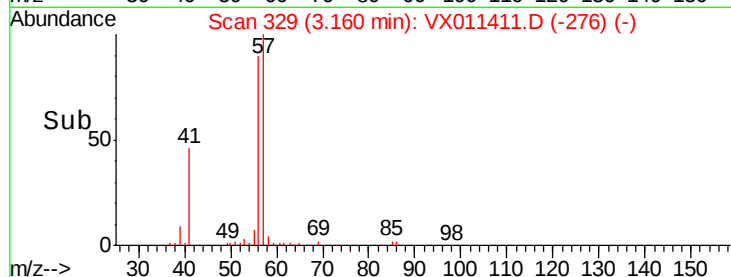
Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



Time-->



#16

Acetone

Concen: 1.480 ug/l

RT: 2.43 min Scan# 210

Delta R.T. 0.00 min

Lab File: VX011411.D

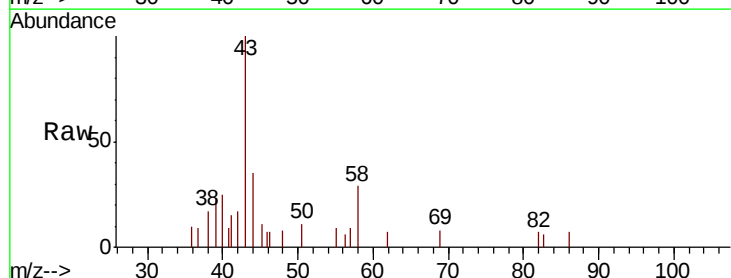
Acq: 09 Aug 2019 15:42

Tgt Ion: 43 Resp: 1619

Ion Ratio Lower Upper

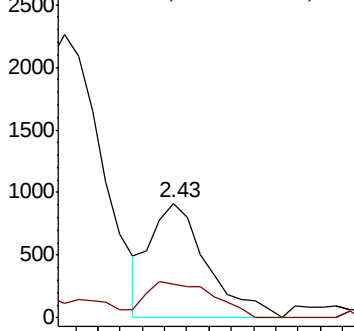
43 100

58 29.3 27.4 41.0

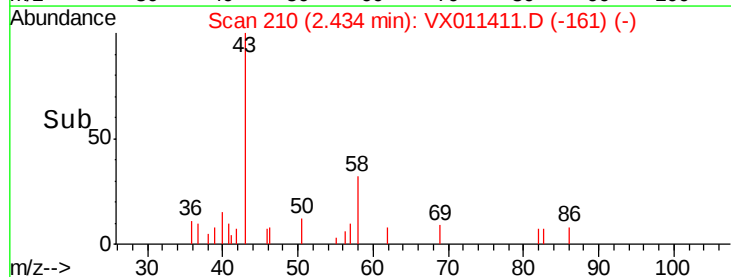


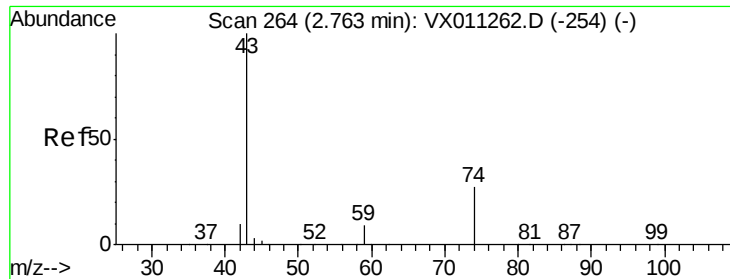
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->

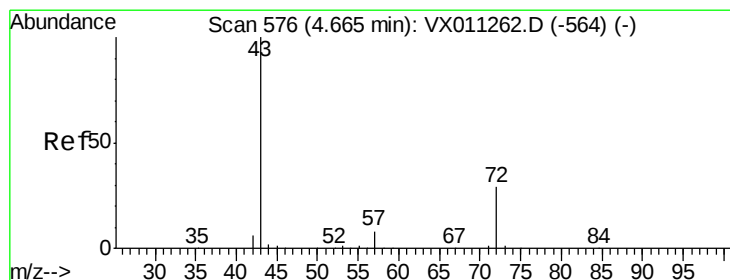
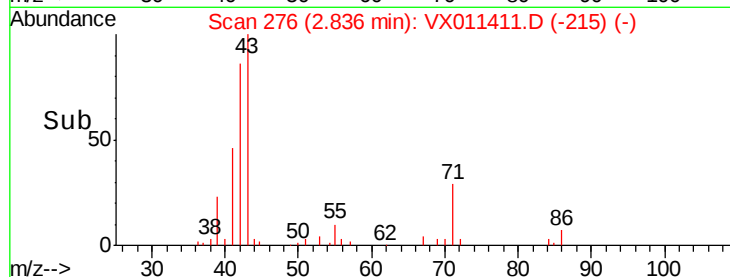
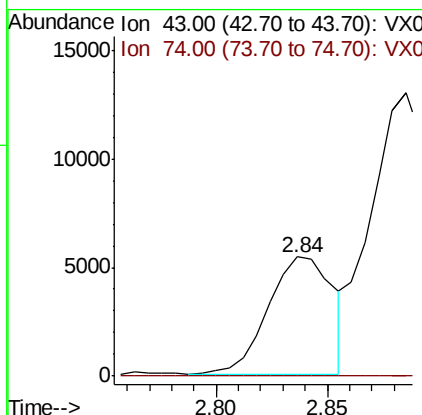
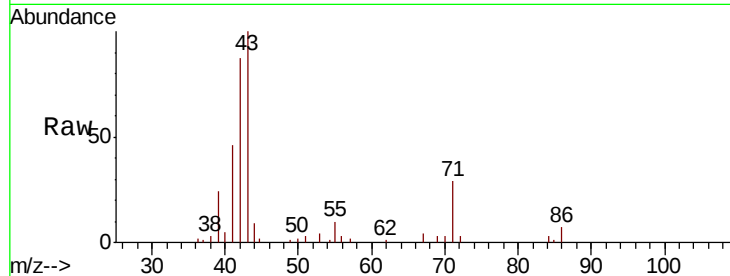




#18
Methyl Acetate
Concen: 4.348 ug/l
RT: 2.84 min Scan# 276
Delta R.T. 0.07 min
Lab File: VX011411.D
Acq: 09 Aug 2019 15:42

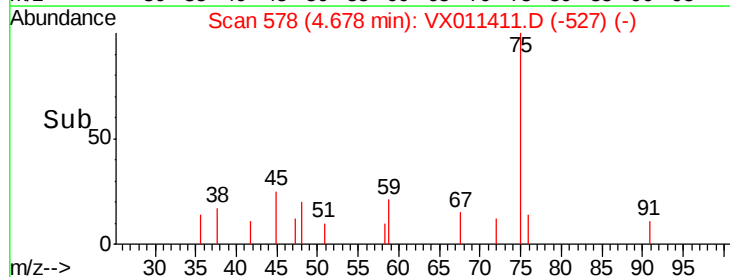
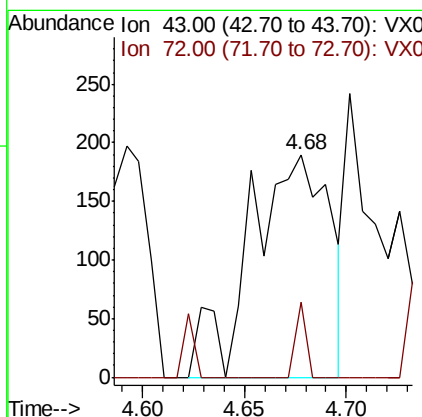
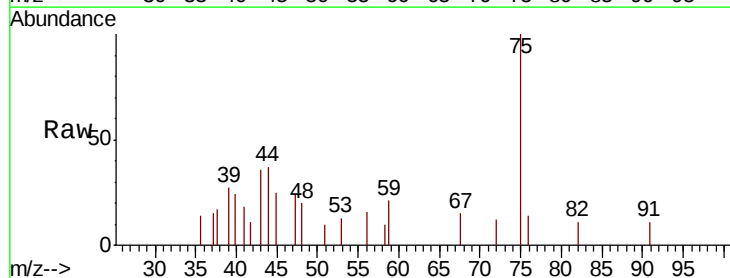
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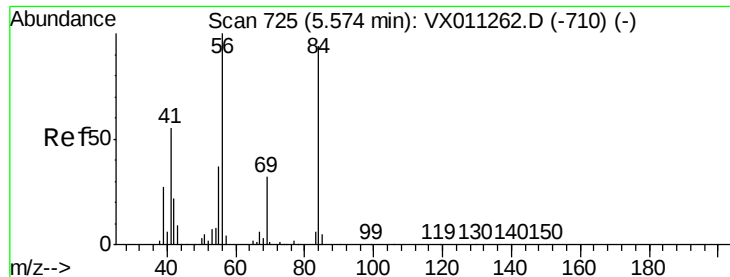
Tgt Ion: 43 Resp: 10874
Ion Ratio Lower Upper
43 100
74 0.0 21.0 31.6#



#25
2-Butanone
Concen: 0.331 ug/l
RT: 4.68 min Scan# 578
Delta R.T. 0.01 min
Lab File: VX011411.D
Acq: 09 Aug 2019 15:42

Tgt Ion: 43 Resp: 516
Ion Ratio Lower Upper
43 100
72 33.7 23.2 34.8

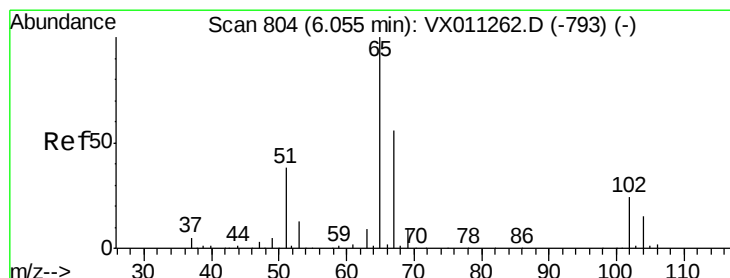
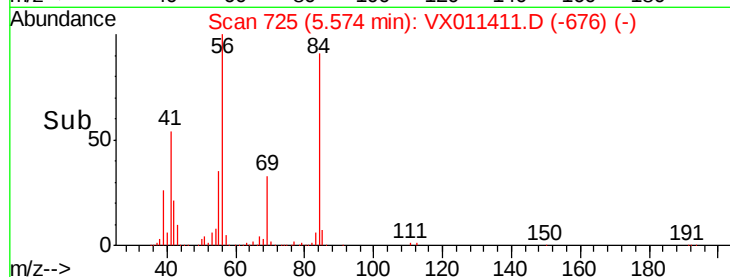
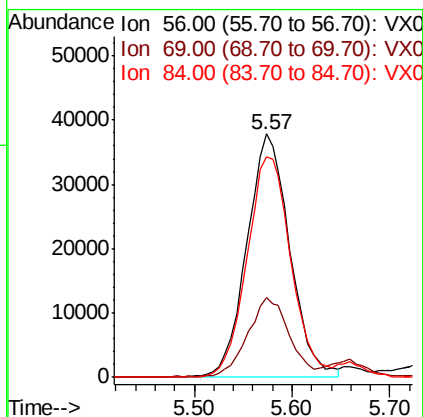
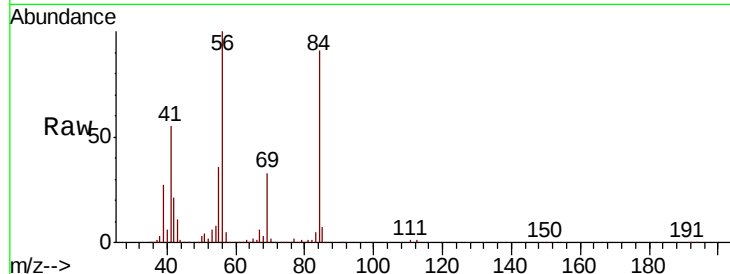




#31
Cyclohexane
Concen: 38.978 ug/l
RT: 5.57 min Scan# 725
Delta R.T. 0.00 min
Lab File: VX011411.D
Acq: 09 Aug 2019 15:42

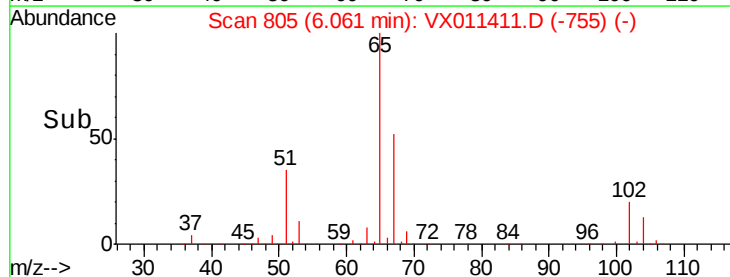
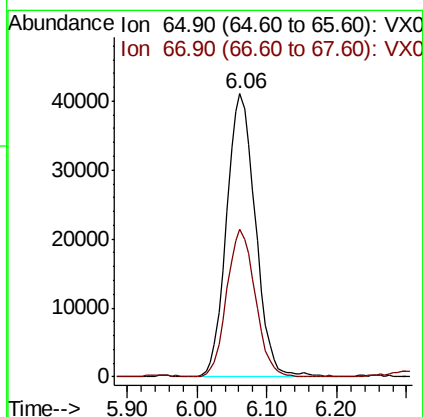
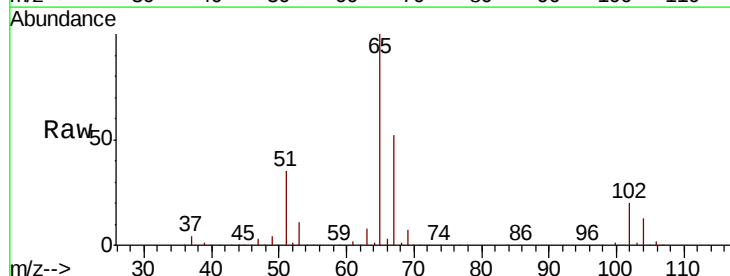
Instrument :
MSVOA_X
ClientSampleId :
Z3-0670

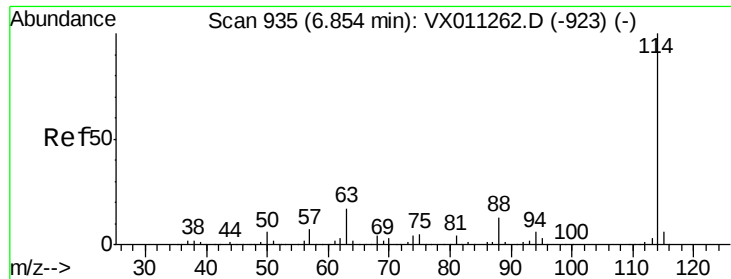
Tgt Ion: 56 Resp: 115400
Ion Ratio Lower Upper
56 100
69 32.1 25.5 38.3
84 90.8 75.0 112.4



#33
1,2-Dichloroethane-d4
Concen: 51.274 ug/l
RT: 6.06 min Scan# 805
Delta R.T. 0.01 min
Lab File: VX011411.D
Acq: 09 Aug 2019 15:42

Tgt Ion: 65 Resp: 117879
Ion Ratio Lower Upper
65 100
67 51.5 0.0 110.6

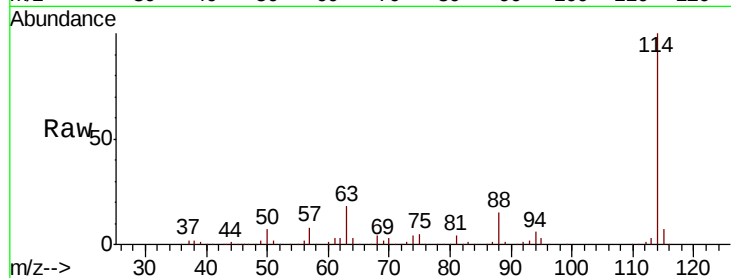




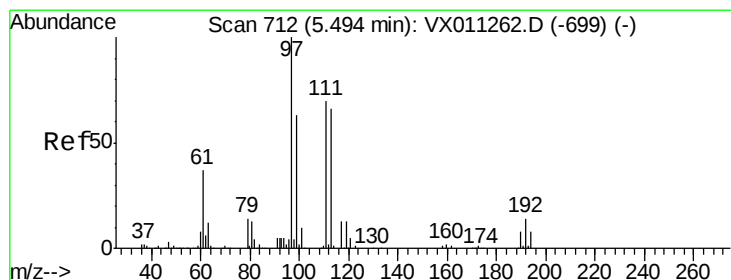
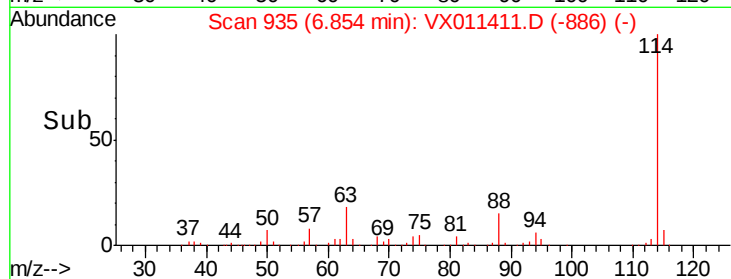
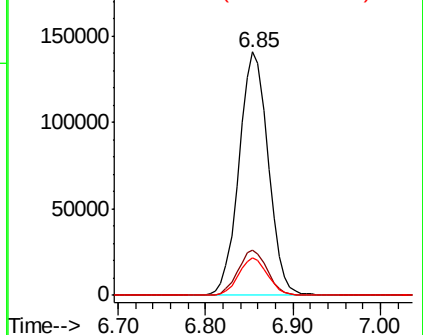
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. 0.00 min
 Lab File: VX011411.D
 Acq: 09 Aug 2019 15:42

Instrument :
 MSVOA_X
 ClientSampleId :
 Z3-0670

Tgt Ion:114 Resp: 328032
 Ion Ratio Lower Upper
 114 100
 63 18.4 0.0 34.0
 88 15.2 0.0 26.4

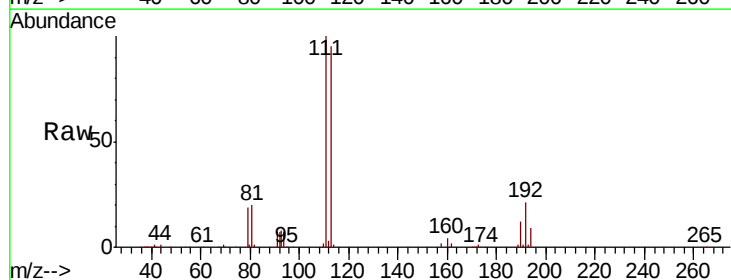


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

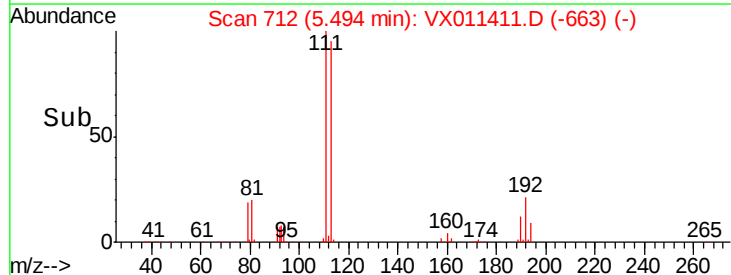
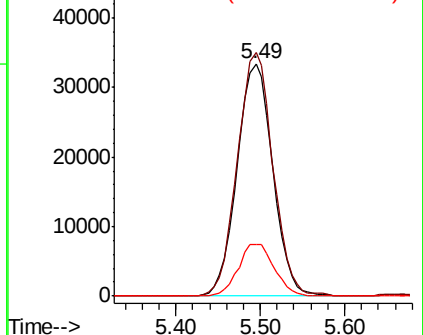


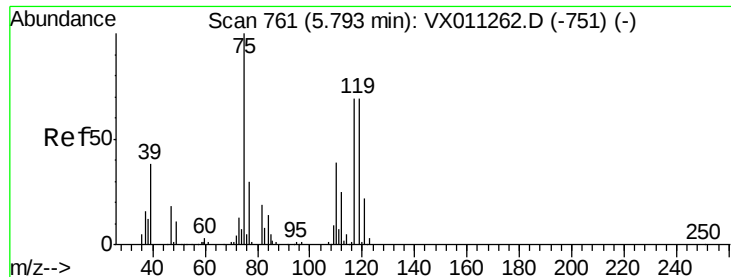
#35
 Dibromofluoromethane
 Concen: 44.803 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. 0.00 min
 Lab File: VX011411.D
 Acq: 09 Aug 2019 15:42

Tgt Ion:113 Resp: 95952
 Ion Ratio Lower Upper
 113 100
 111 104.3 81.9 122.9
 192 22.6 17.8 26.8



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

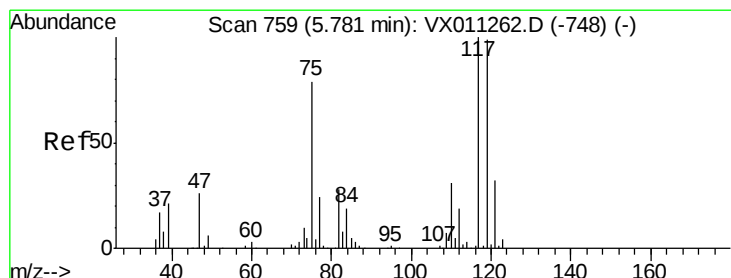
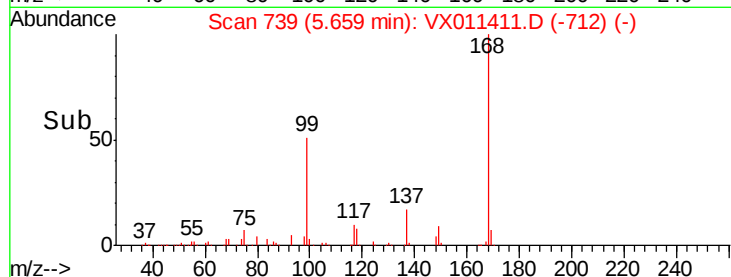
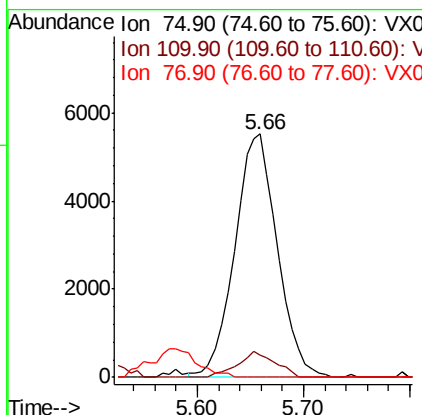
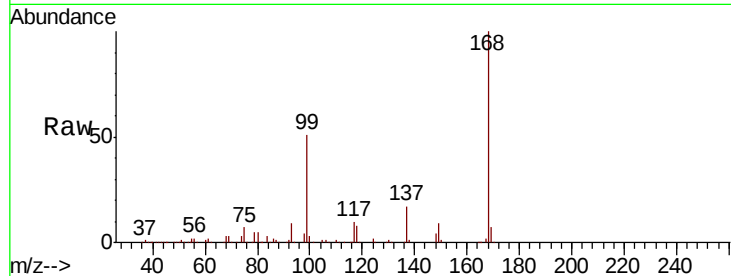




#36
 1,1-Dichloropropene
 Concen: 5.389 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.13 min
 Lab File: VX011411.D
 Acq: 09 Aug 2019 15:42

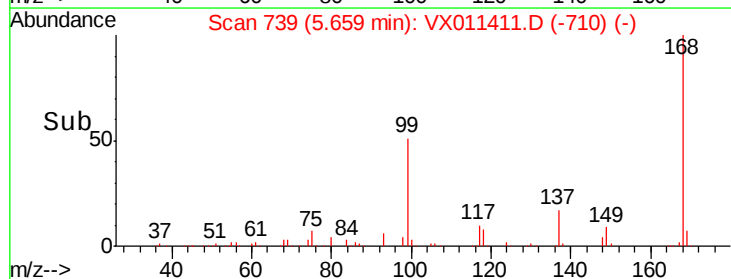
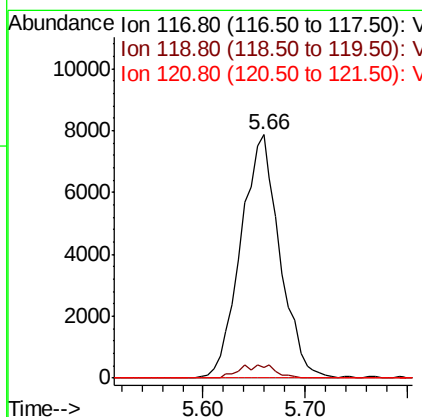
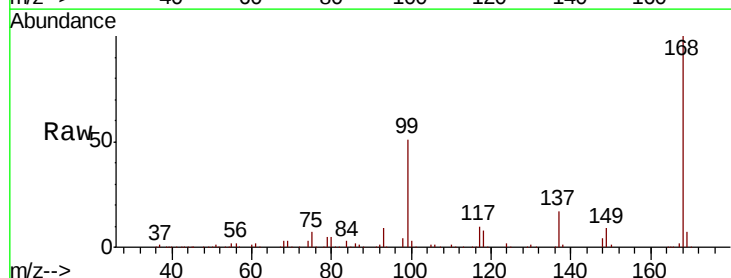
Instrument :
 MSVOA_X
 ClientSampleId :
 Z3-0670

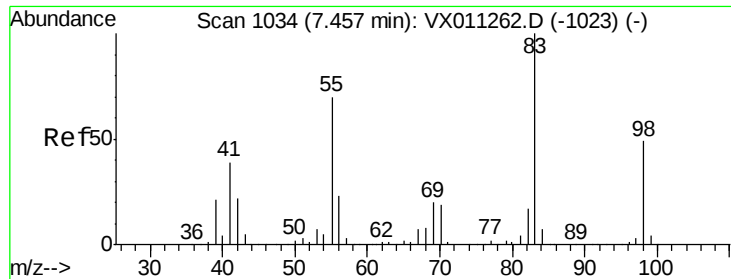
Tgt Ion: 75 Resp: 15433
 Ion Ratio Lower Upper
 75 100
 110 9.3 20.0 59.9#
 77 0.0 24.8 37.2#



#38
 Carbon Tetrachloride
 Concen: 7.251 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.12 min
 Lab File: VX011411.D
 Acq: 09 Aug 2019 15:42

Tgt Ion: 117 Resp: 20894
 Ion Ratio Lower Upper
 117 100
 119 4.4 79.0 118.4#
 121 0.0 25.9 38.9#

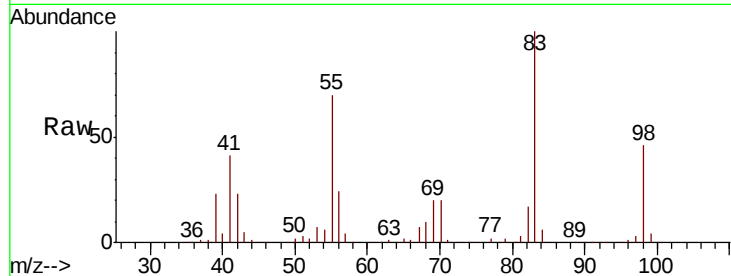




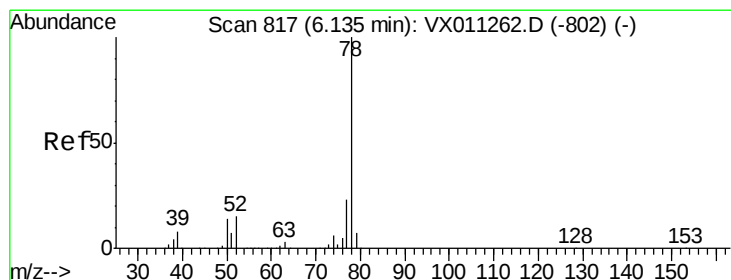
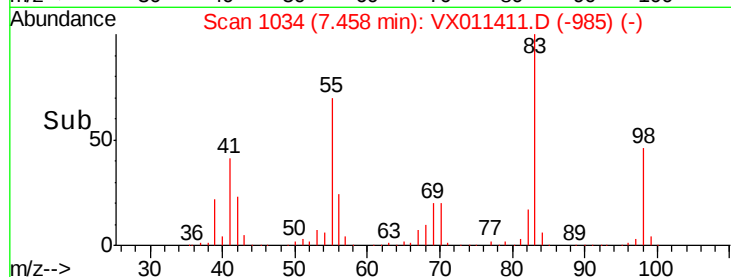
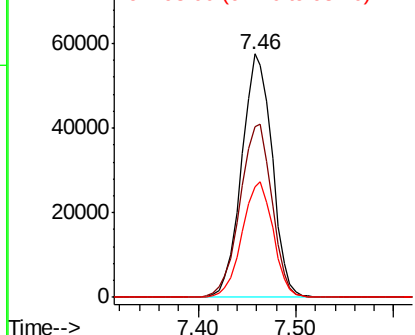
#39
Methylcyclohexane
Concen: 36.640 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. 0.00 min
Lab File: VX011411.D
Acq: 09 Aug 2019 15:42

Instrument :
MSVOA_X
ClientSampleId :
Z3-0670

Tgt Ion: 83 Resp: 124387
Ion Ratio Lower Upper
83 100
55 70.0 56.1 84.1
98 45.6 39.0 58.4

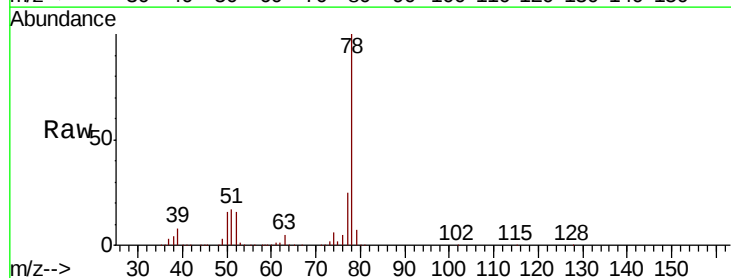


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

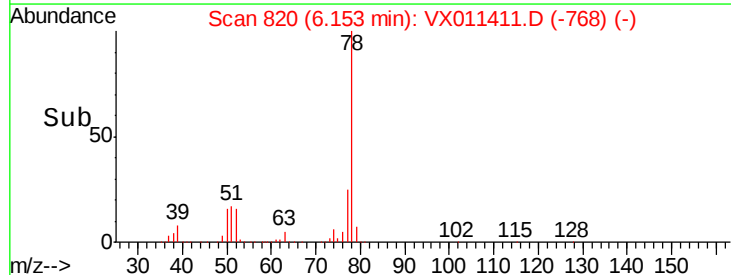
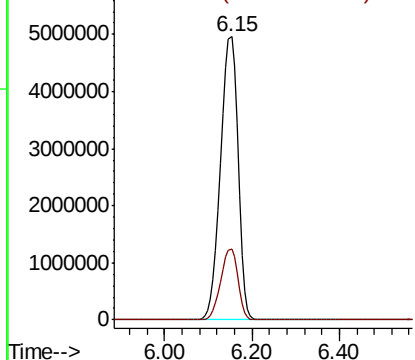


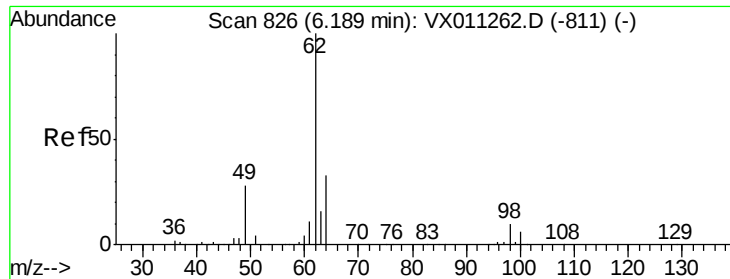
#40
Benzene
Concen: 1593.563 ug/l
RT: 6.15 min Scan# 820
Delta R.T. 0.02 min
Lab File: VX011411.D
Acq: 09 Aug 2019 15:42

Tgt Ion: 78 Resp: 13619347
Ion Ratio Lower Upper
78 100
77 25.1 18.2 27.2



Abundance Ion 78.00 (77.70 to 78.70): VX0
Ion 77.00 (76.70 to 77.70): VX0





#42

1,2-Dichloroethane

Concen: 43.531 ug/l

RT: 6.15 min Scan# 819

Delta R.T. -0.04 min

Lab File: VX011411.D

Acq: 09 Aug 2019 15:42

Instrument :

MSVOA_X

ClientSampled :

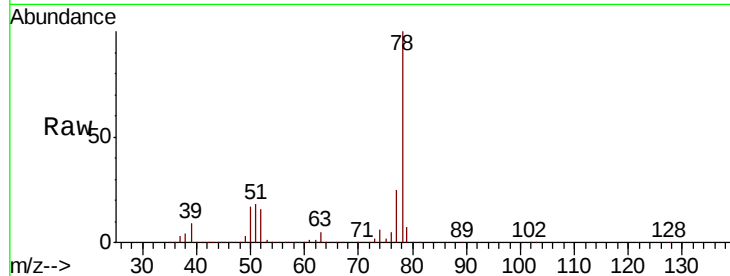
Z3-0670

Tgt Ion: 62 Resp: 125804

Ion Ratio Lower Upper

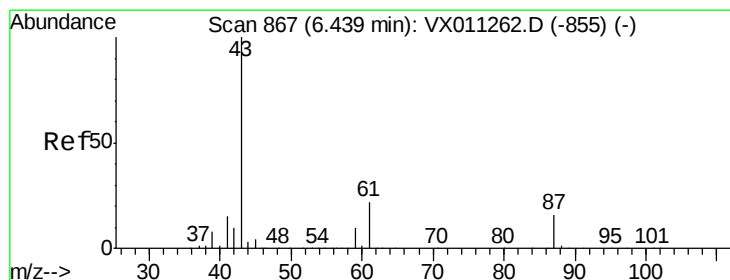
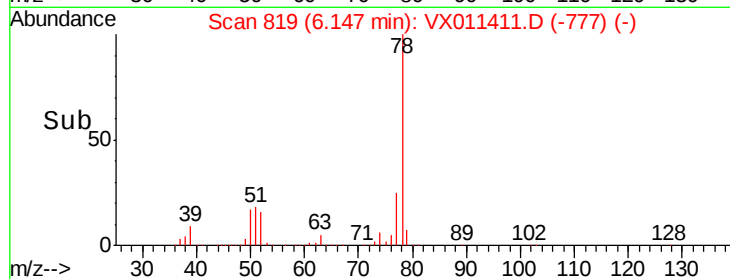
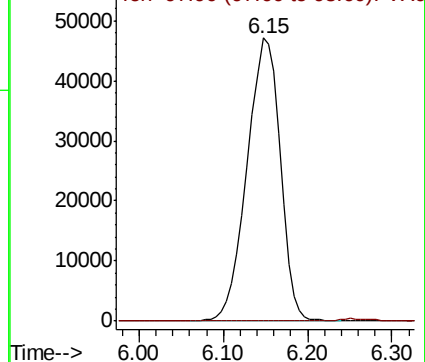
62 100

98 0.0 0.0 20.6



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#43

Isopropyl Acetate

Concen: 0.403 ug/l

RT: 6.46 min Scan# 870

Delta R.T. 0.02 min

Lab File: VX011411.D

Acq: 09 Aug 2019 15:42

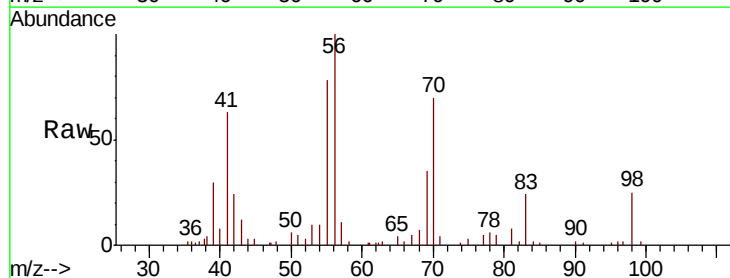
Tgt Ion: 43 Resp: 1851

Ion Ratio Lower Upper

43 100

61 0.0 16.5 24.7#

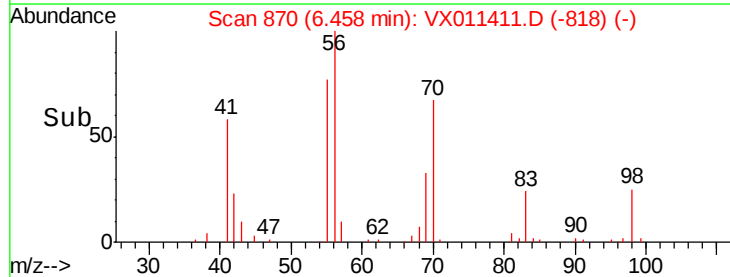
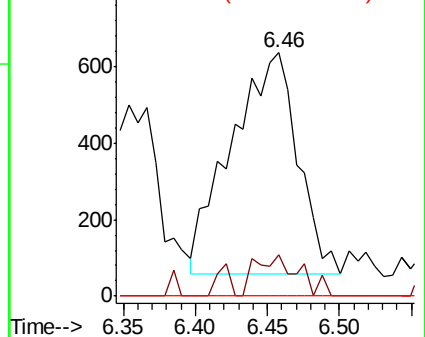
87 0.0 12.1 18.1#

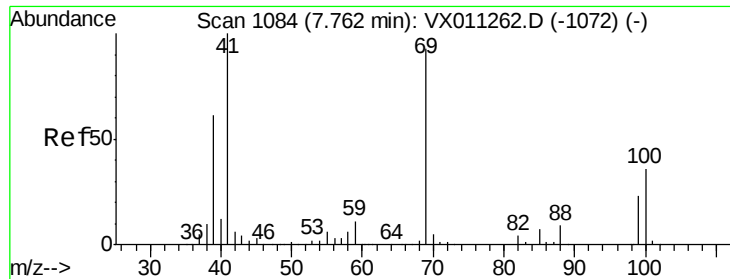


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

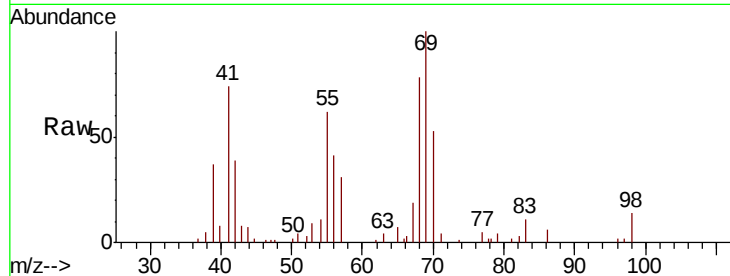




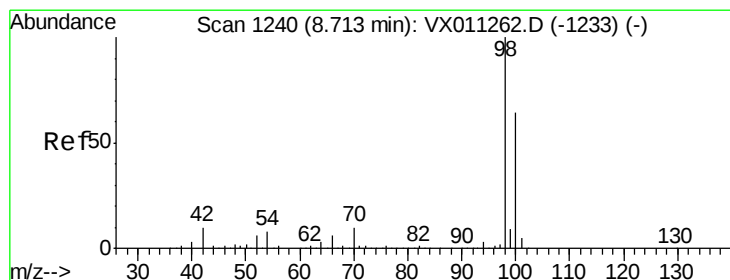
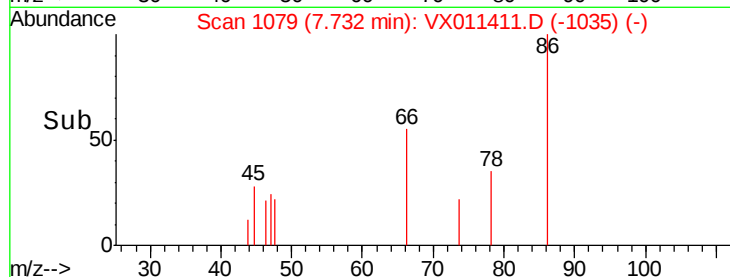
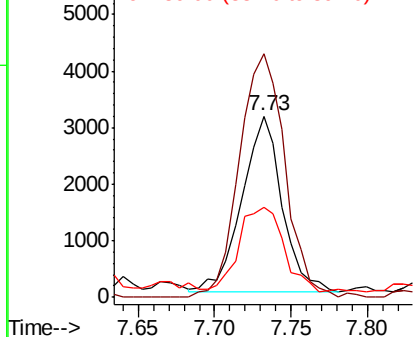
#48
Methyl methacrylate
Concen: 2.631 ug/l
RT: 7.73 min Scan# 1079
Delta R.T. -0.03 min
Lab File: VX011411.D
Acq: 09 Aug 2019 15:42

Instrument :
MSVOA_X
ClientSampleId :
Z3-0670

Tgt Ion: 41 Resp: 5686
Ion Ratio Lower Upper
41 100
69 156.1 74.5 111.7#
39 52.0 48.6 72.8

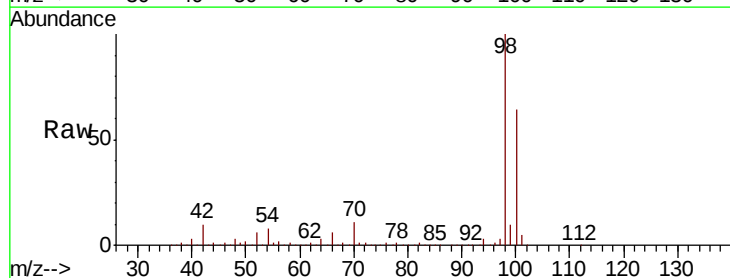


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 39.00 (38.70 to 39.70): VX0

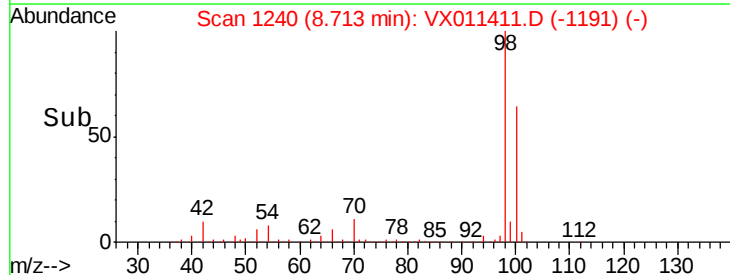
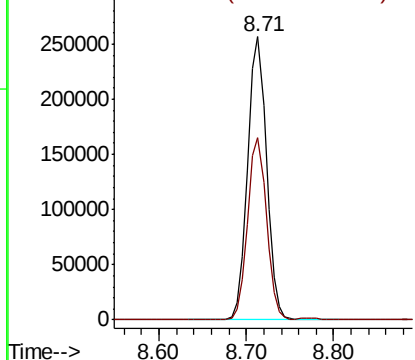


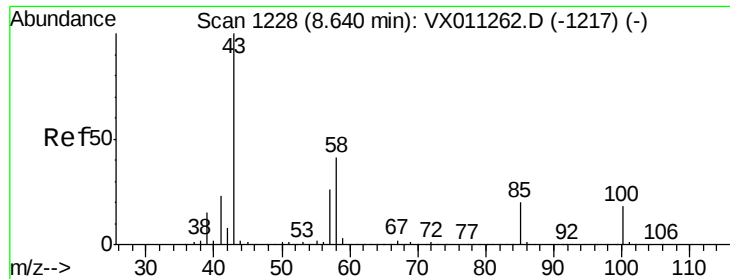
#50
Toluene-d8
Concen: 47.517 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX011411.D
Acq: 09 Aug 2019 15:42

Tgt Ion: 98 Resp: 384131
Ion Ratio Lower Upper
98 100
100 64.3 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V

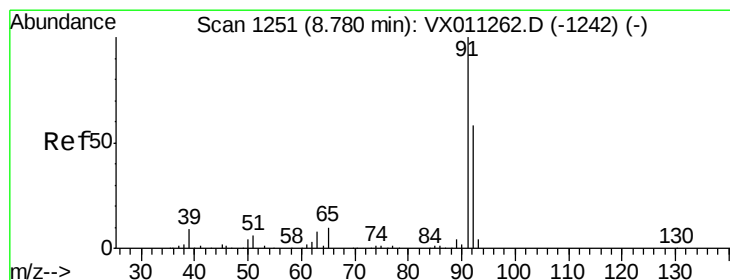
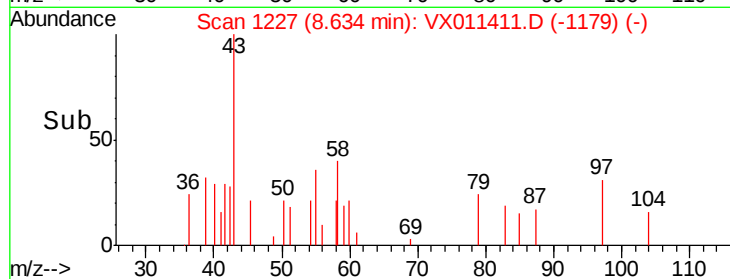
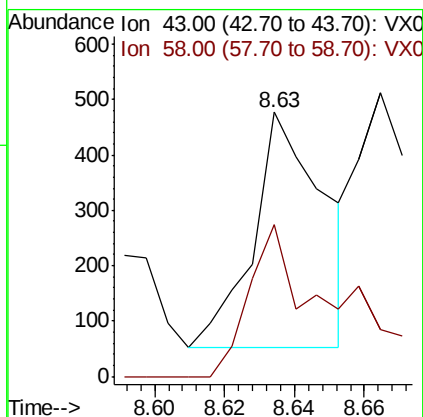
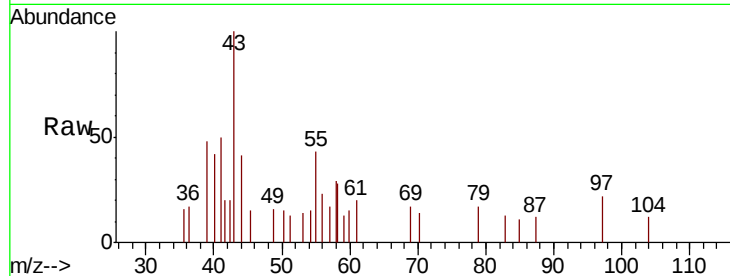




#51
 4-Methyl-2-Pentanone
 Concen: 0.200 ug/l
 RT: 8.63 min Scan# 1227
 Delta R.T. -0.01 min
 Lab File: VX011411.D
 Acq: 09 Aug 2019 15:42

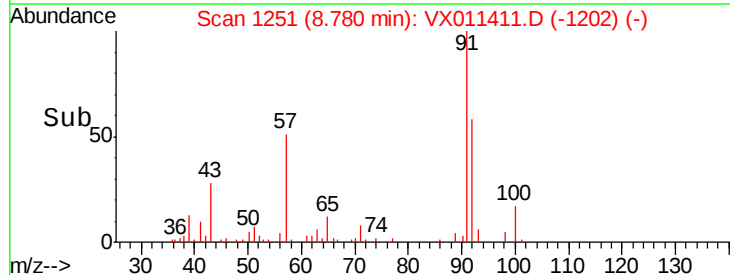
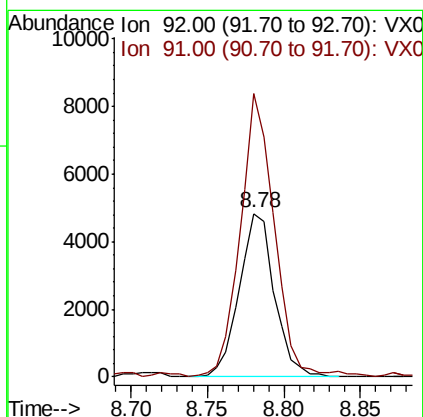
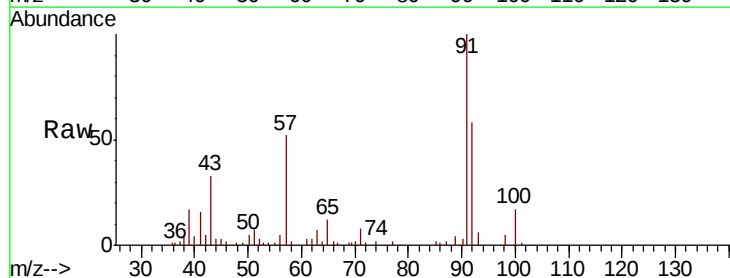
Instrument :
 MSVOA_X
 ClientSampled :
 Z3-0670

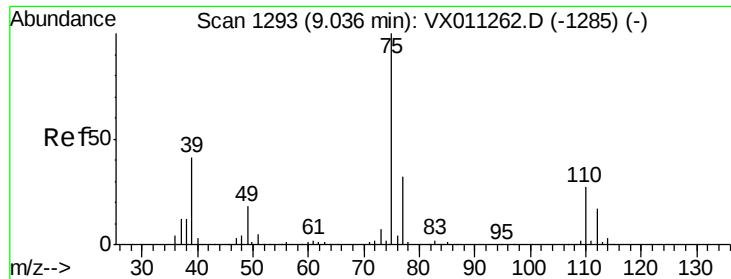
Tgt Ion: 43 Resp: 594
 Ion Ratio Lower Upper
 43 100
 58 74.7 32.3 48.5#



#52
 Toluene
 Concen: 1.363 ug/l
 RT: 8.78 min Scan# 1251
 Delta R.T. 0.00 min
 Lab File: VX011411.D
 Acq: 09 Aug 2019 15:42

Tgt Ion: 92 Resp: 7700
 Ion Ratio Lower Upper
 92 100
 91 168.8 139.4 209.0

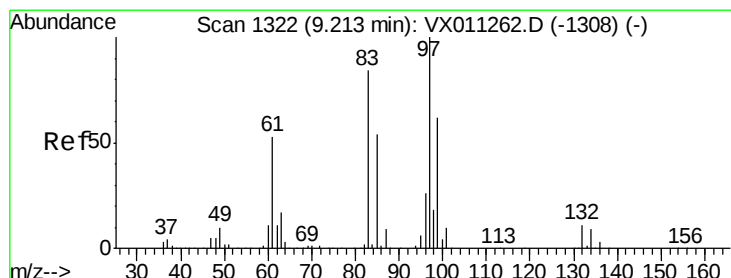
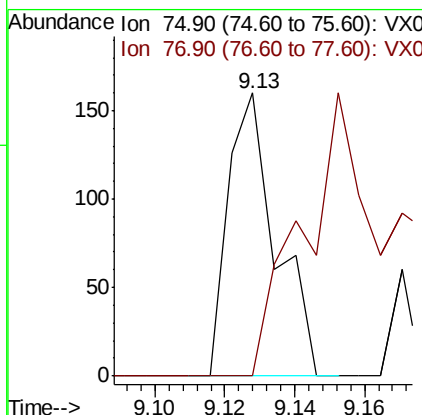
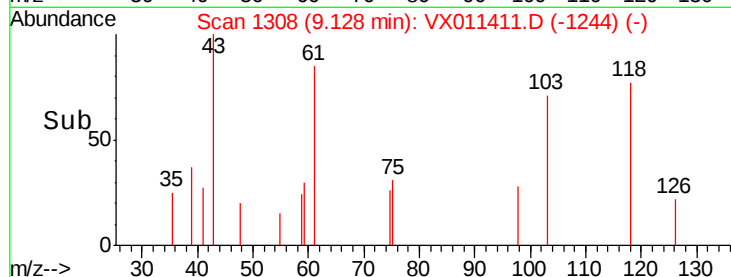
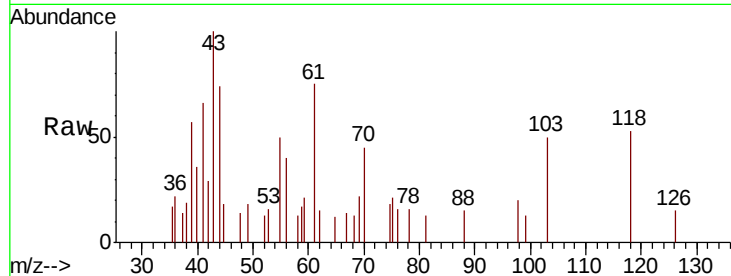




#53
t-1,3-Dichloropropene
Concen: 2.883 ug/l
RT: 9.13 min Scan# 1308
Delta R.T. 0.09 min
Lab File: VX011411.D
Acq: 09 Aug 2019 15:42

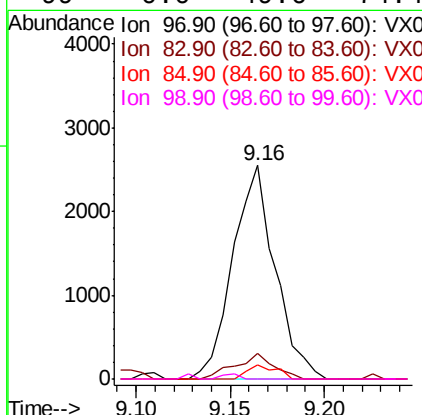
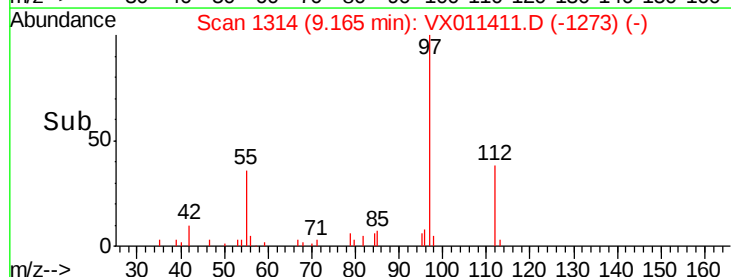
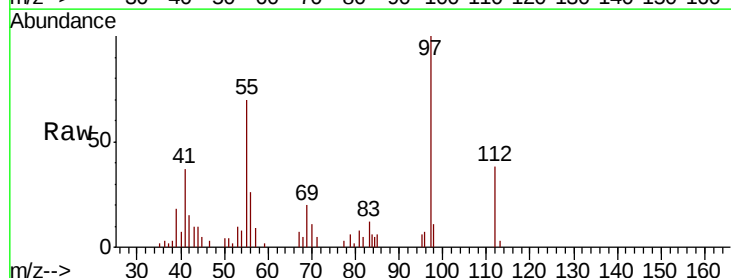
Instrument :
MSVOA_X
ClientSampled :
Z3-0670

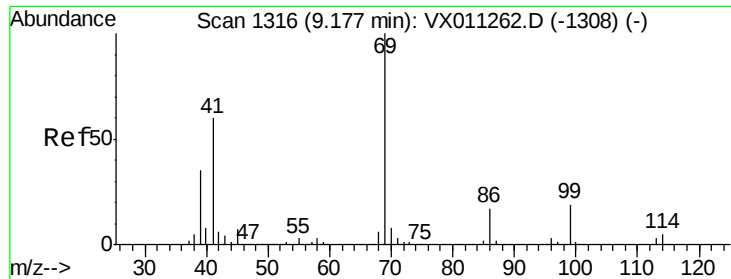
Tgt Ion: 75 Resp: 151
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#



#55
1,1,2-Trichloroethane
Concen: 1.707 ug/l
RT: 9.16 min Scan# 1314
Delta R.T. -0.05 min
Lab File: VX011411.D
Acq: 09 Aug 2019 15:42

Tgt Ion: 97 Resp: 3966
Ion Ratio Lower Upper
97 100
83 11.7 67.6 101.4#
85 6.5 43.4 65.0#
99 0.0 49.6 74.4#

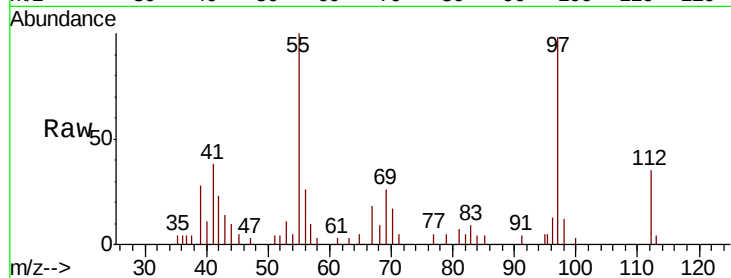




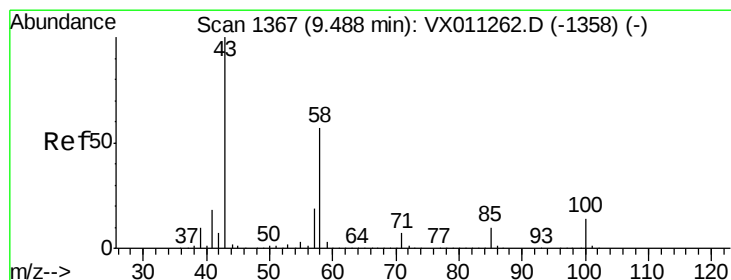
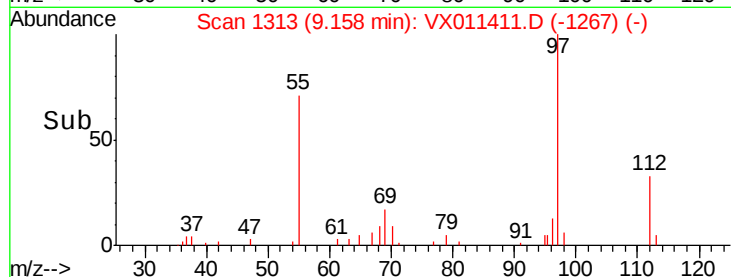
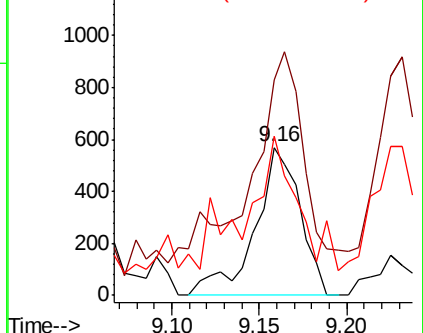
#56
Ethyl methacrylate
Concen: 0.308 ug/l
RT: 9.16 min Scan# 1313
Delta R.T. -0.02 min
Lab File: VX011411.D
Acq: 09 Aug 2019 15:42

Instrument :
MSVOA_X
ClientSampled :
Z3-0670

Tgt Ion: 69 Resp: 1019
Ion Ratio Lower Upper
69 100
41 120.4 48.6 73.0#
39 76.6 29.4 44.2#

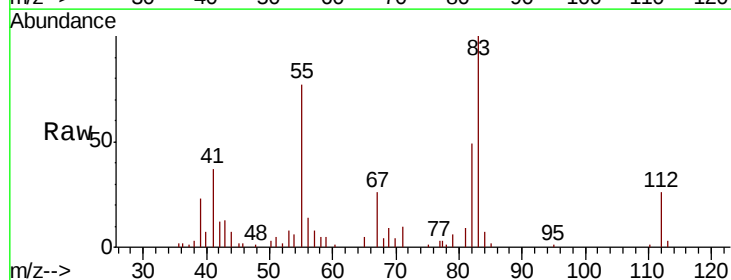


Abundance Ion 69.00 (68.70 to 69.70): VX0
Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0

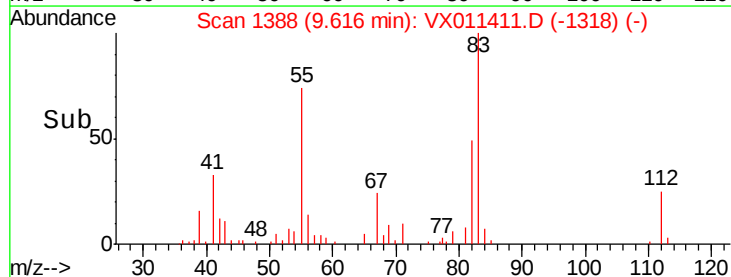
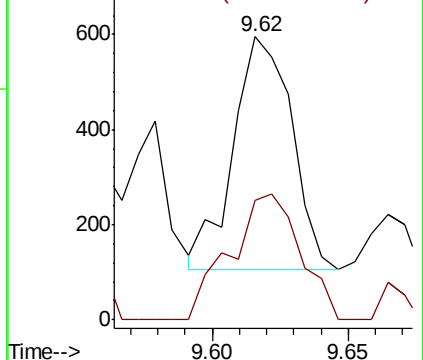


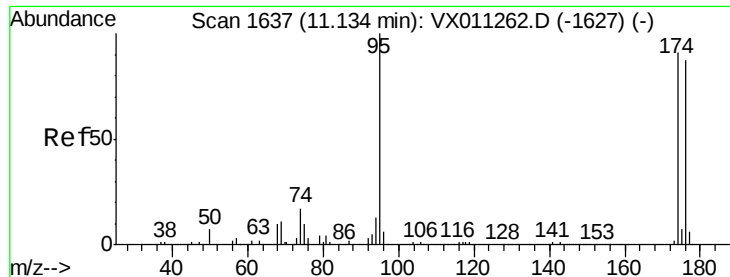
#59
2-Hexanone
Concen: 0.318 ug/l
RT: 9.62 min Scan# 1388
Delta R.T. 0.13 min
Lab File: VX011411.D
Acq: 09 Aug 2019 15:42

Tgt Ion: 43 Resp: 730
Ion Ratio Lower Upper
43 100
58 64.7 28.2 84.6



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





#62

4-Bromofluorobenzene

Concen: 50.392 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX011411.D

Acq: 09 Aug 2019 15:42

Instrument :

MSVOA_X

ClientSampleId :

Z3-0670

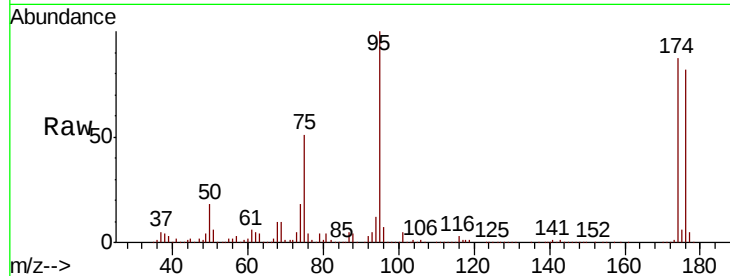
Tgt Ion: 95 Resp: 145442

Ion Ratio Lower Upper

95 100

174 89.8 0.0 191.2

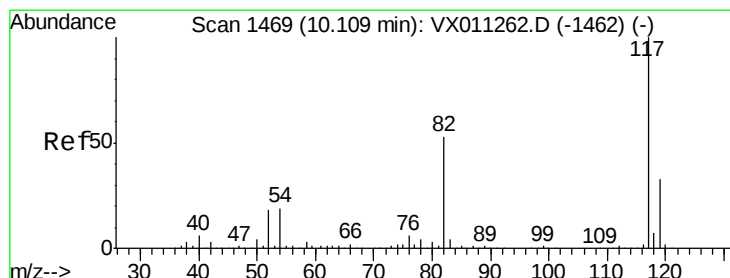
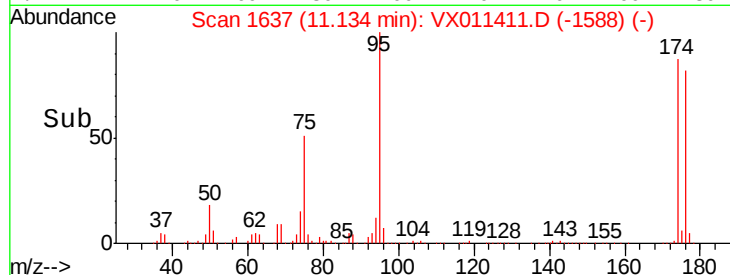
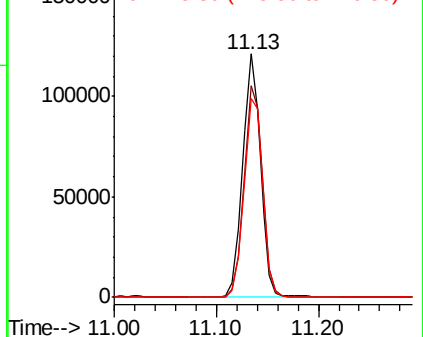
176 86.2 0.0 184.8



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: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX011411.D

Acq: 09 Aug 2019 15:42

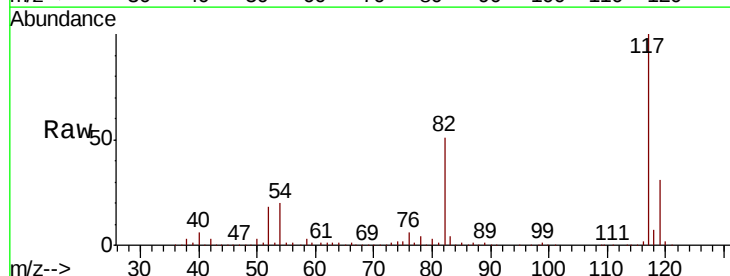
Tgt Ion: 117 Resp: 300178

Ion Ratio Lower Upper

117 100

82 51.0 42.2 63.2

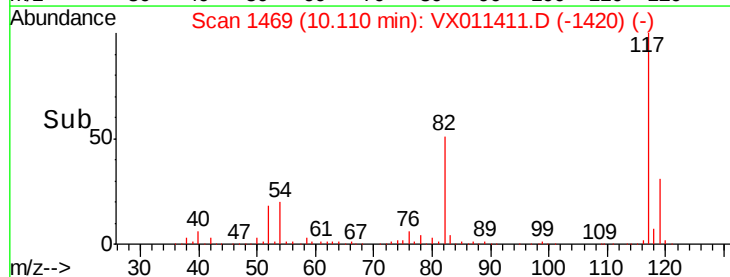
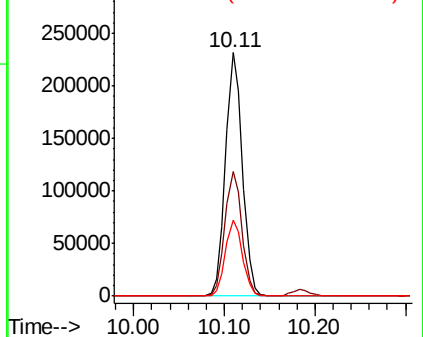
119 31.2 26.6 39.8

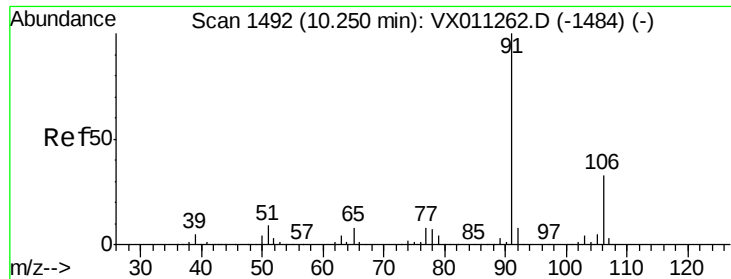


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V

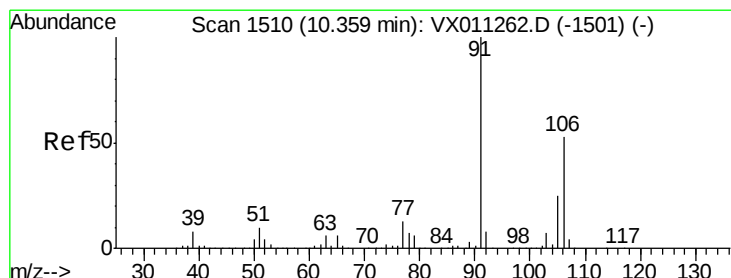
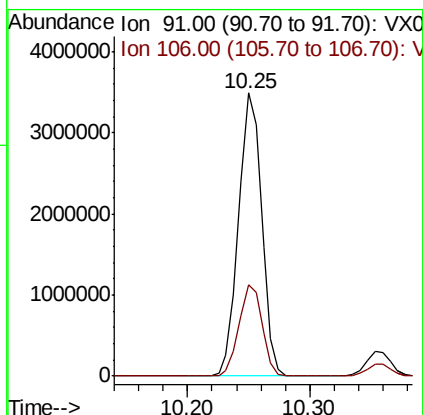
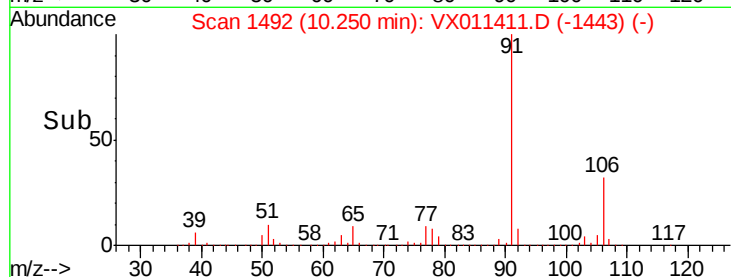
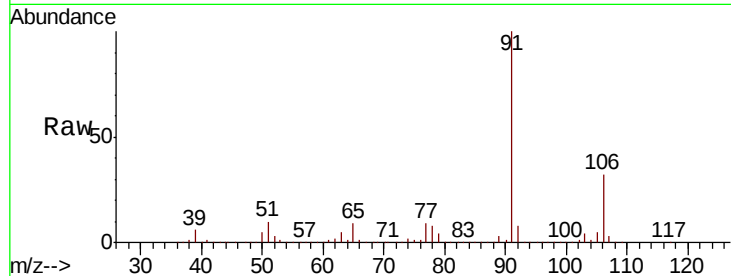




#67
Ethyl Benzene
Concen: 422.774 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX011411.D
Acq: 09 Aug 2019 15:42

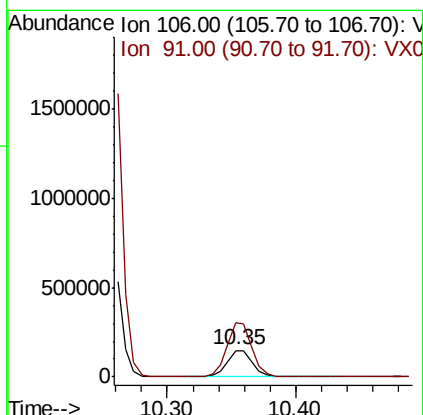
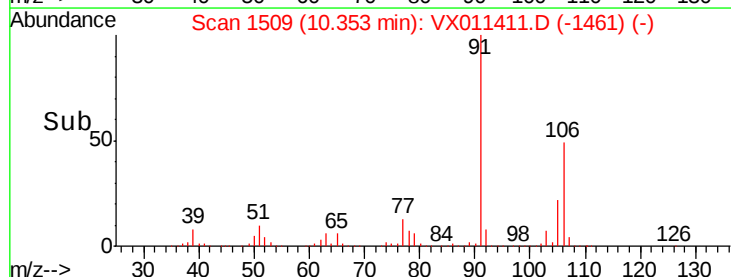
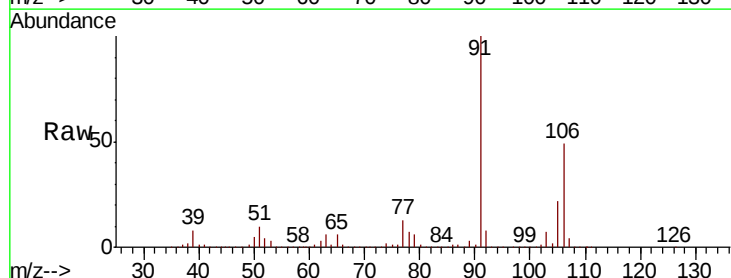
Instrument :
MSVOA_X
ClientSampleId :
Z3-0670

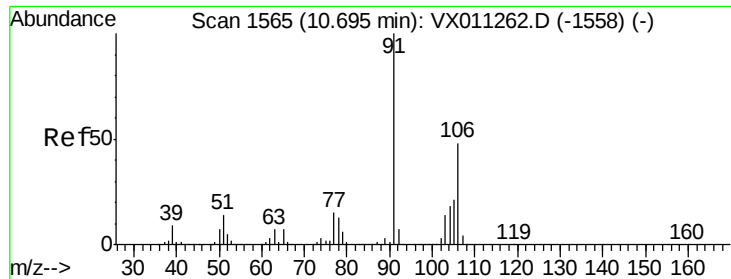
Tgt Ion: 91 Resp: 4557088
Ion Ratio Lower Upper
91 100
106 32.2 26.2 39.4



#68
m/p-Xylenes
Concen: 49.468 ug/l
RT: 10.35 min Scan# 1509
Delta R.T. -0.01 min
Lab File: VX011411.D
Acq: 09 Aug 2019 15:42

Tgt Ion: 106 Resp: 206248
Ion Ratio Lower Upper
106 100
91 201.9 155.9 233.9

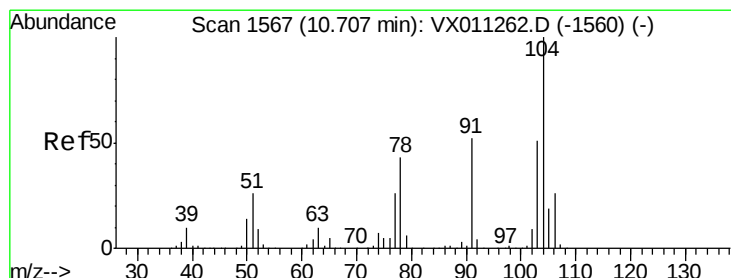
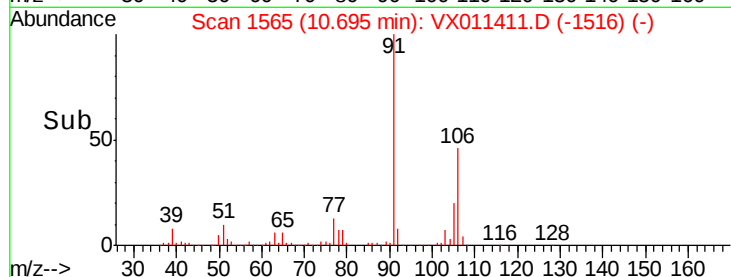
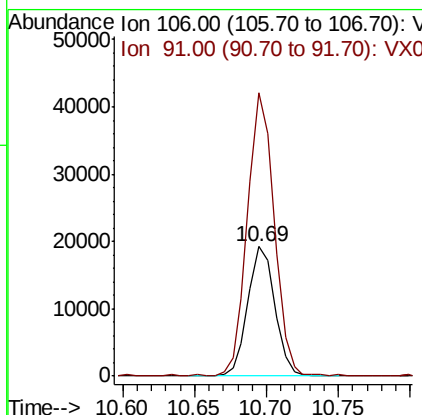
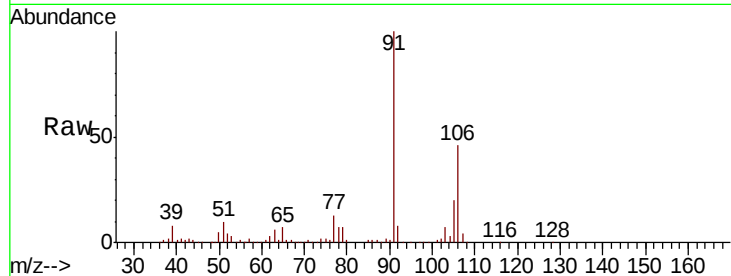




#69
o-Xylene
Concen: 6.122 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX011411.D
Acq: 09 Aug 2019 15:42

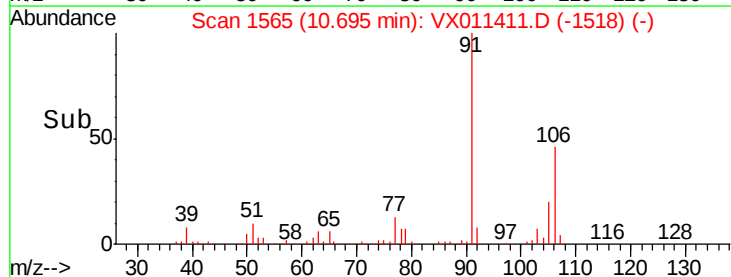
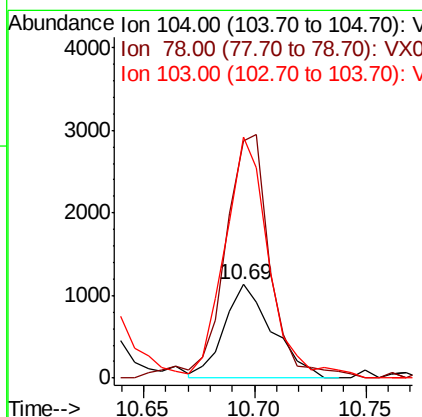
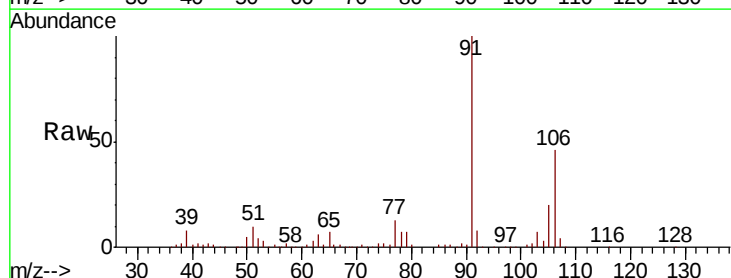
Instrument :
MSVOA_X
ClientSampled :
Z3-0670

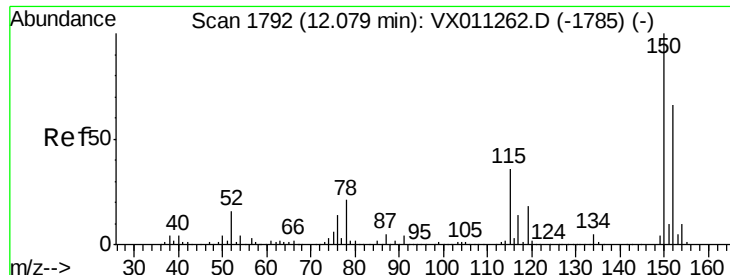
Tgt Ion:106 Resp: 25079
Ion Ratio Lower Upper
106 100
91 215.0 103.8 311.3



#70
Styrene
Concen: 0.253 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX011411.D
Acq: 09 Aug 2019 15:42

Tgt Ion:104 Resp: 1712
Ion Ratio Lower Upper
104 100
78 245.4 36.9 55.3#
103 236.0 44.4 66.6#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX011411.D

Acq: 09 Aug 2019 15:42

Instrument :

MSVOA_X

ClientSampled :

Z3-0670

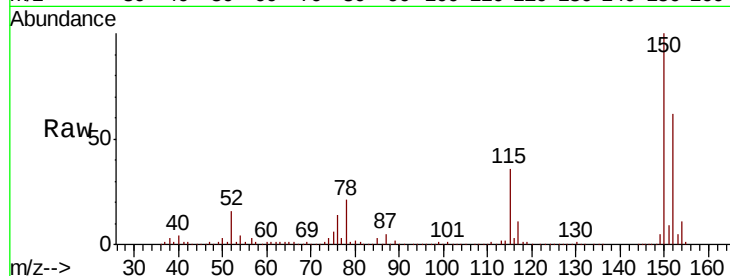
Tgt Ion:152 Resp: 159306

Ion Ratio Lower Upper

152 100

115 61.8 40.0 119.9

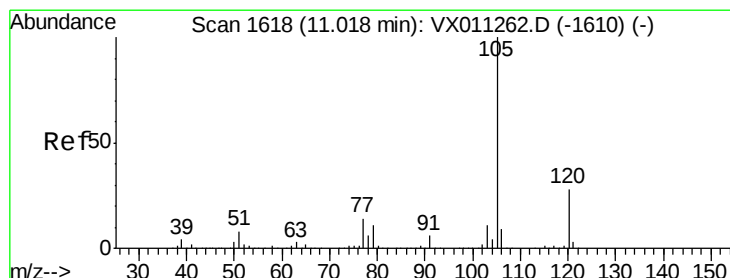
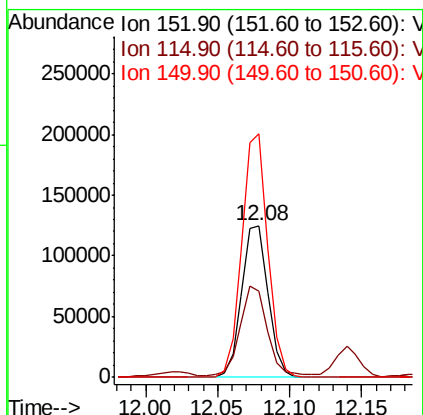
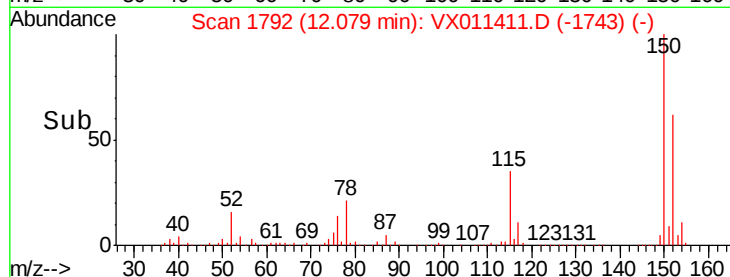
150 156.7 0.0 350.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 55.258 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX011411.D

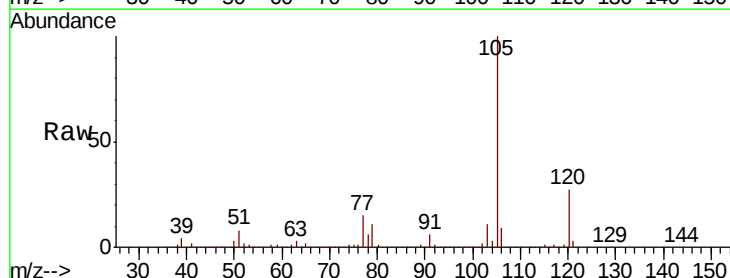
Acq: 09 Aug 2019 15:42

Tgt Ion:105 Resp: 602058

Ion Ratio Lower Upper

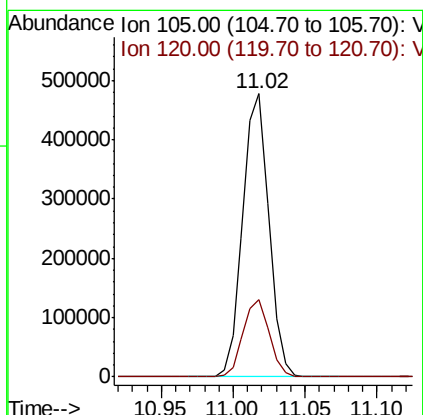
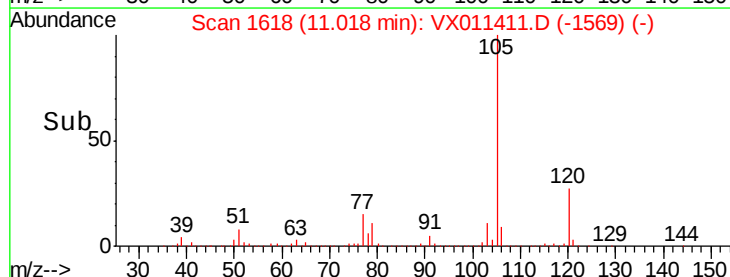
105 100

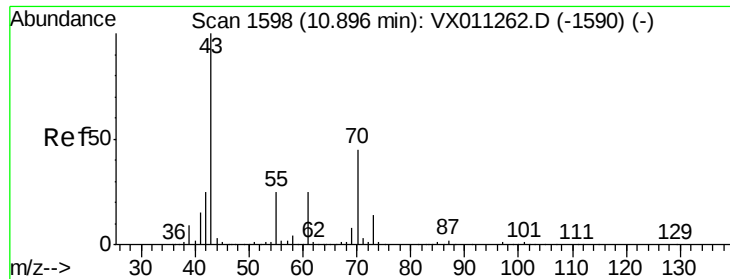
120 27.1 13.7 41.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-ethyl acetate

Concen: 0.219 ug/l

RT: 10.90 min Scan# 1599

Delta R.T. 0.01 min

Lab File: VX011411.D

Acq: 09 Aug 2019 15:42

Instrument :

MSVOA_X

ClientSampled :

Z3-0670

Tgt Ion: 43 Resp: 863

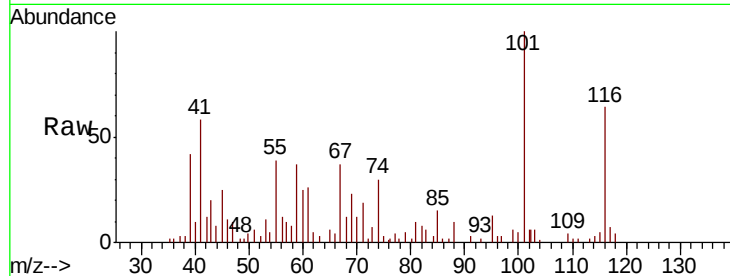
Ion Ratio Lower Upper

43 100

70 157.0 35.9 53.9#

55 567.0 19.8 29.6#

61 295.1 19.7 29.5#

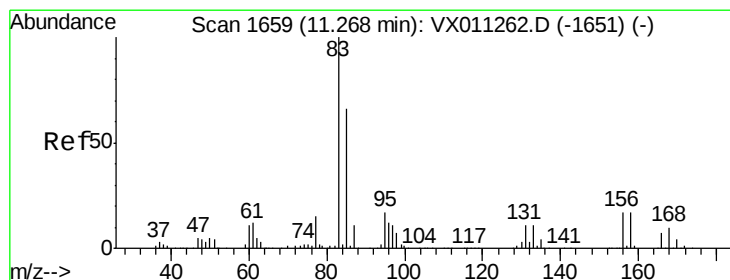
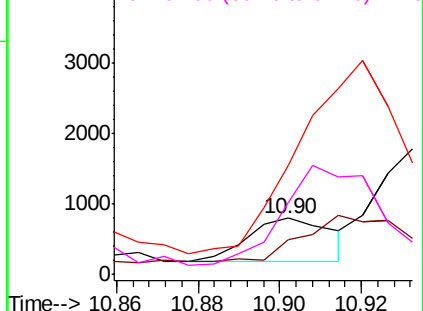
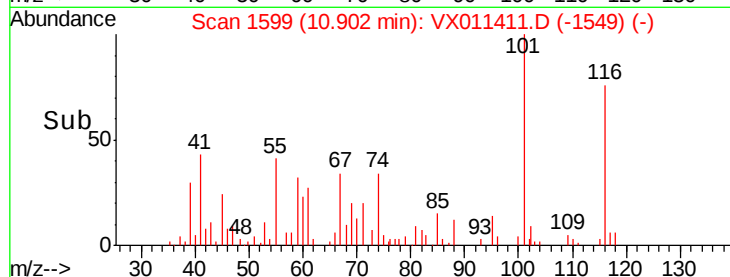


Abundance Ion 43.00 (42.70 to 43.70): VX0

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



#75

1,1,2,2-Tetrachloroethane

Concen: 0.537 ug/l

RT: 11.26 min Scan# 1658

Delta R.T. -0.01 min

Lab File: VX011411.D

Acq: 09 Aug 2019 15:42

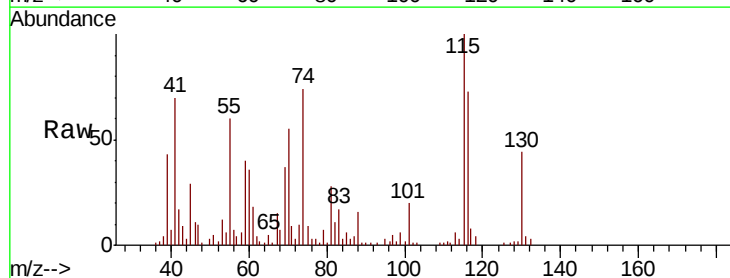
Tgt Ion: 83 Resp: 1951

Ion Ratio Lower Upper

83 100

131 45.6 5.6 16.8#

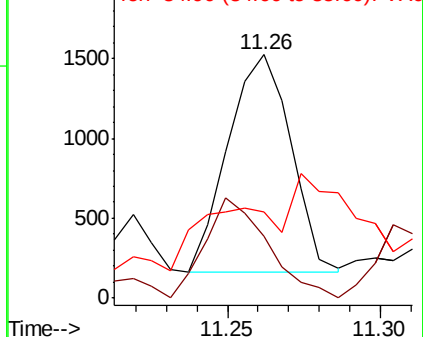
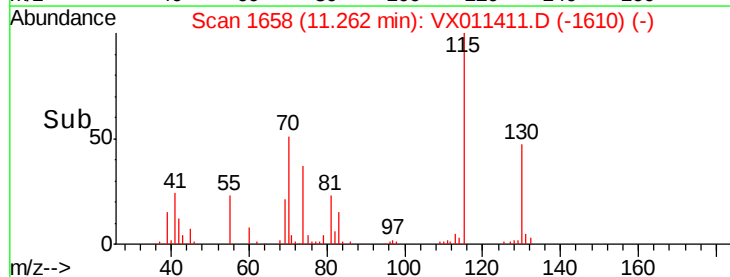
85 38.4 32.1 96.5

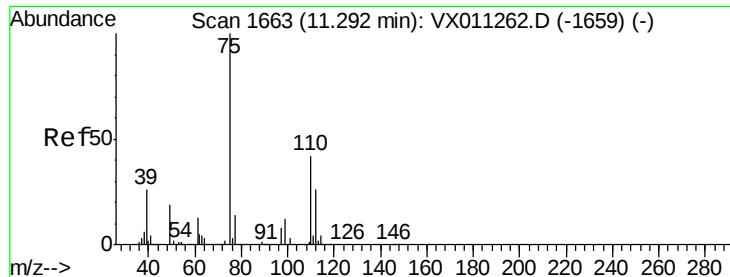


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0





#76

1,2,3-Trichloropropane

Concen: 1.953 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.07 min

Lab File: VX011411.D

Acq: 09 Aug 2019 15:42

Instrument :

MSVOA_X

ClientSampled :

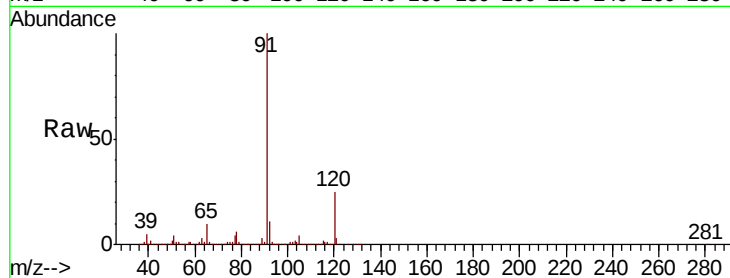
Z3-0670

Tgt Ion: 75 Resp: 5666

Ion Ratio Lower Upper

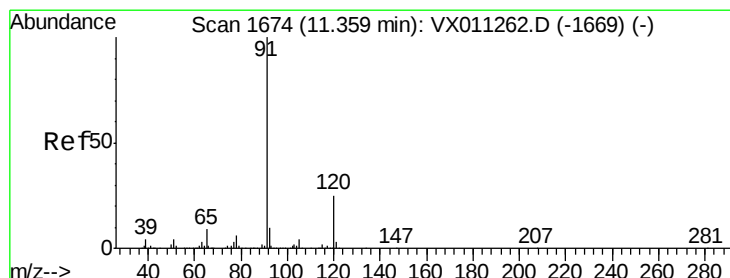
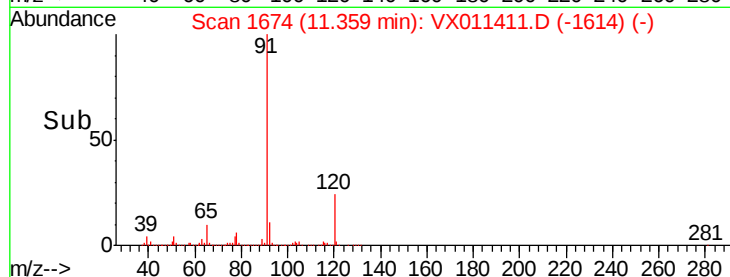
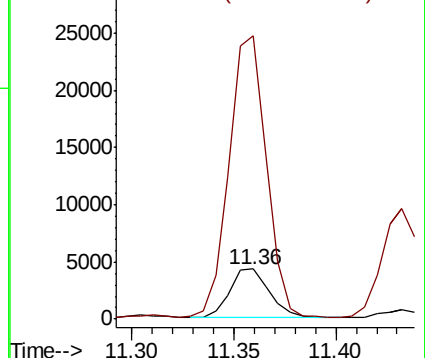
75 100

77 545.6 21.1 63.4#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



#78

n-propylbenzene

Concen: 65.148 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX011411.D

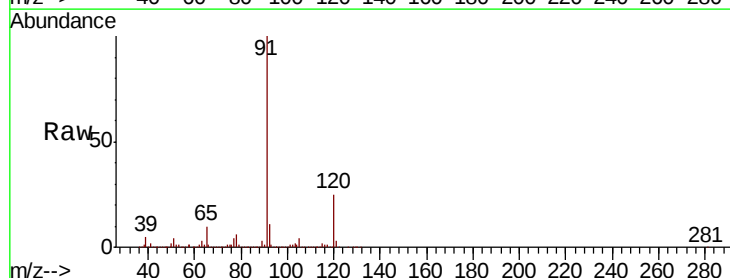
Acq: 09 Aug 2019 15:42

Tgt Ion: 91 Resp: 789353

Ion Ratio Lower Upper

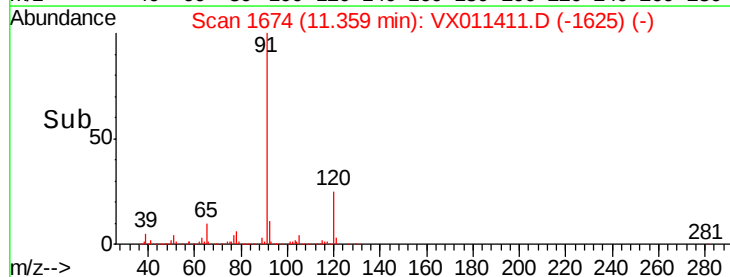
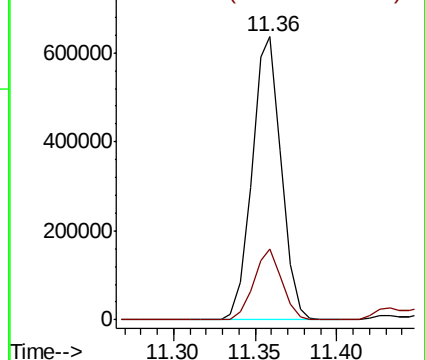
91 100

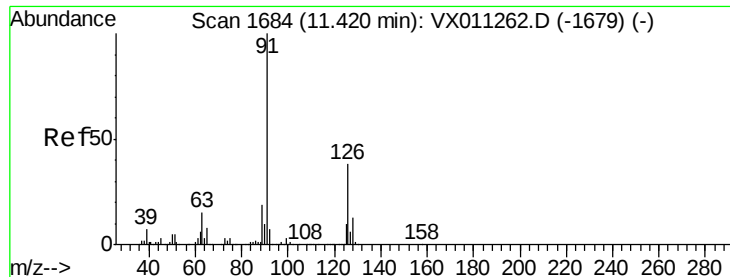
120 24.0 12.4 37.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

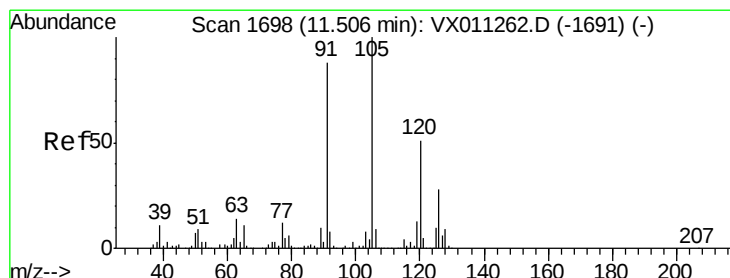
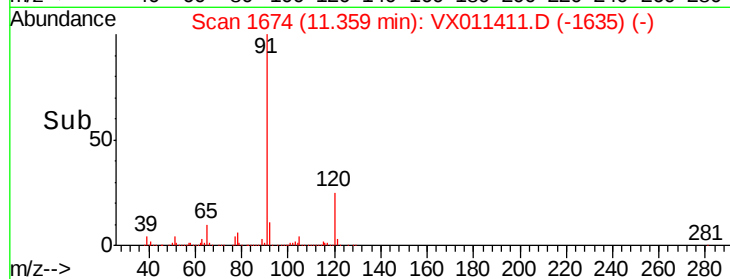
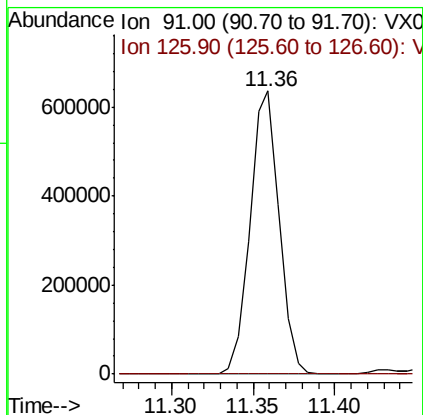
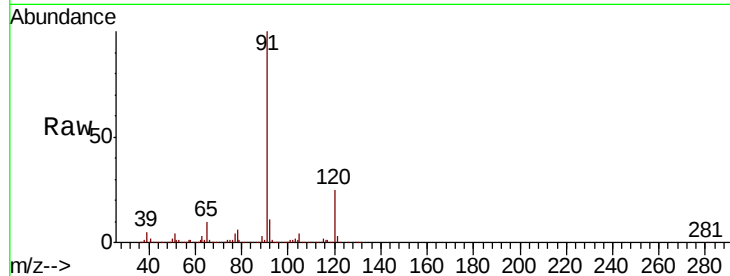




#79
 2-Chlorotoluene
 Concen: 109.302 ug/l
 RT: 11.36 min Scan# 1674
 Delta R.T. -0.06 min
 Lab File: VX011411.D
 Acq: 09 Aug 2019 15:42

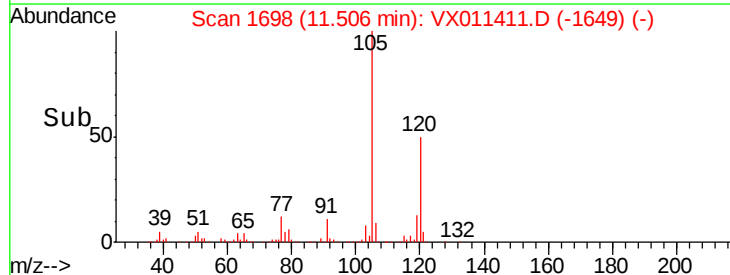
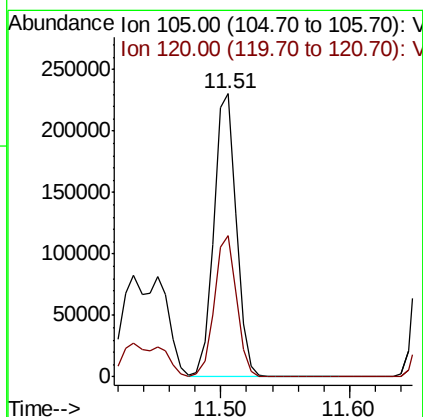
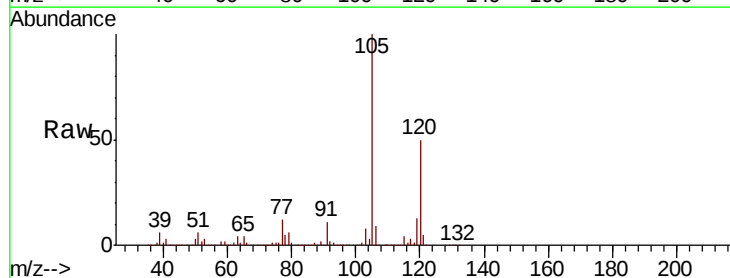
Instrument :
 MSVOA_X
 ClientSampleId :
 Z3-0670

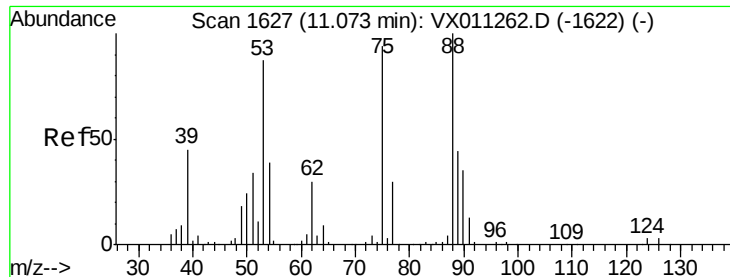
Tgt Ion: 91 Resp: 789353
 Ion Ratio Lower Upper
 91 100
 126 0.1 18.5 55.5#



#80
 1,3,5-Trimethylbenzene
 Concen: 31.135 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX011411.D
 Acq: 09 Aug 2019 15:42

Tgt Ion: 105 Resp: 283969
 Ion Ratio Lower Upper
 105 100
 120 49.6 25.1 75.2





#81

trans-1,4-Dichloro-2-butene

Concen: 10.677 ug/l

RT: 11.01 min Scan# 1617

Delta R.T. -0.06 min

Lab File: VX011411.D

Acq: 09 Aug 2019 15:42

Instrument :

MSVOA_X

ClientSampleId :

Z3-0670

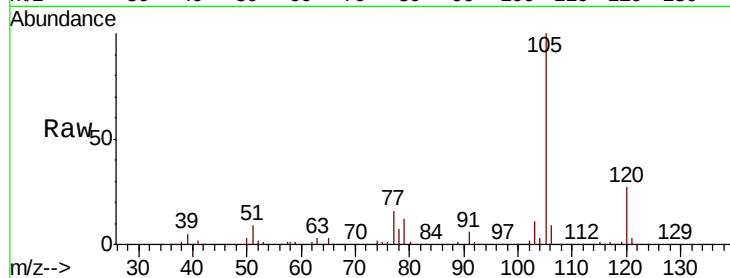
Tgt Ion: 75 Resp: 7346

Ion Ratio Lower Upper

75 100

53 90.5 78.2 117.4

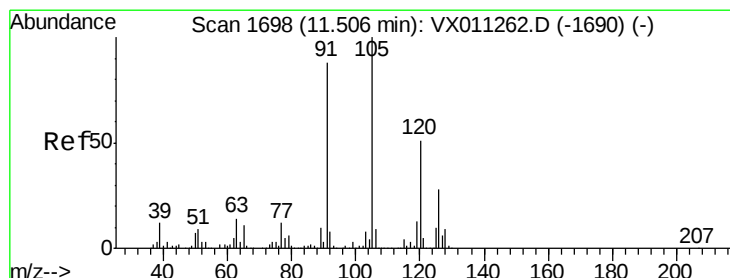
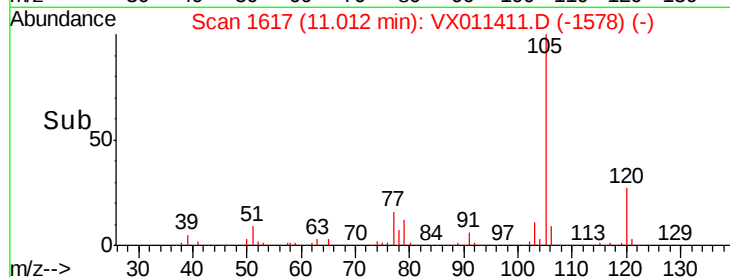
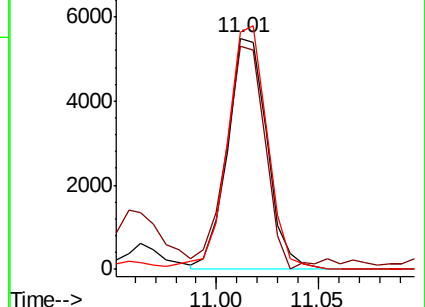
89 106.4 37.9 56.9#



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



#82

4-Chlorotoluene

Concen: 3.639 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX011411.D

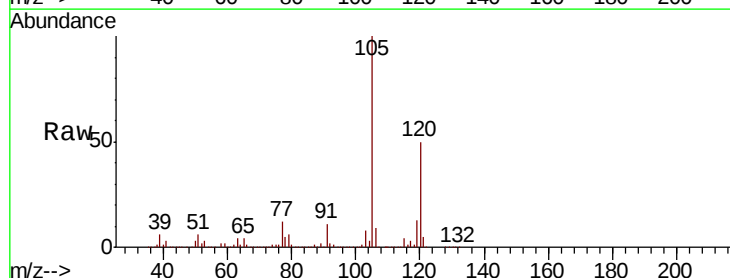
Acq: 09 Aug 2019 15:42

Tgt Ion: 91 Resp: 30626

Ion Ratio Lower Upper

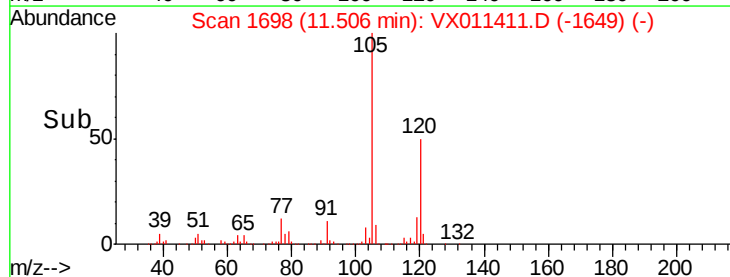
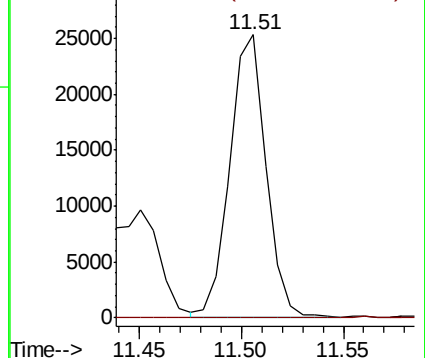
91 100

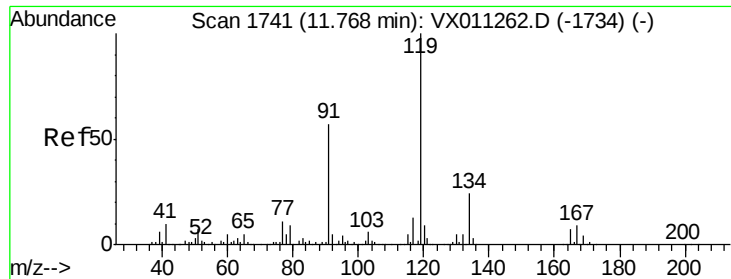
126 0.0 16.4 49.2#



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

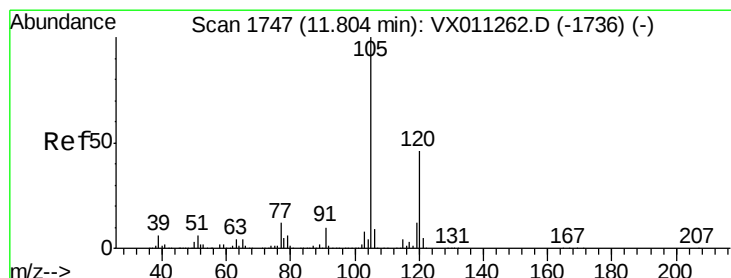
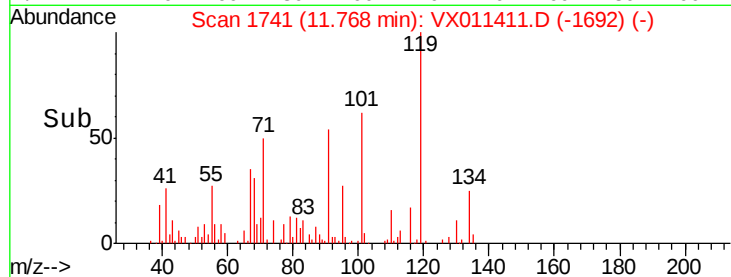
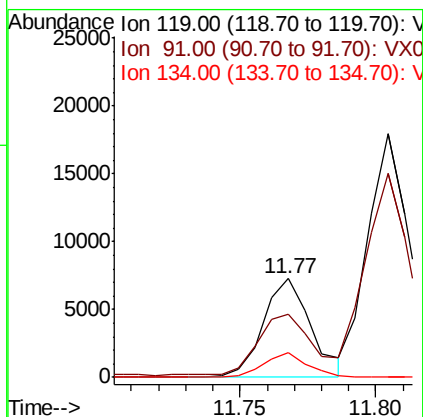
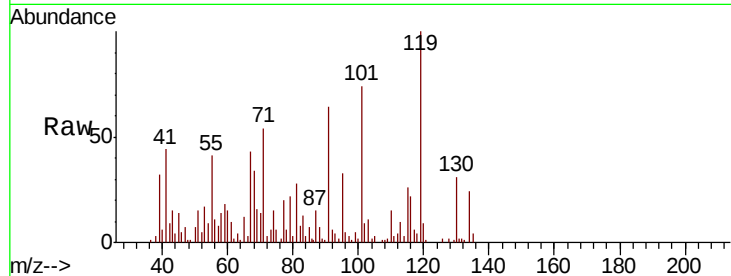




#83
 tert-Butylbenzene
 Concen: 0.988 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX011411.D
 Acq: 09 Aug 2019 15:42

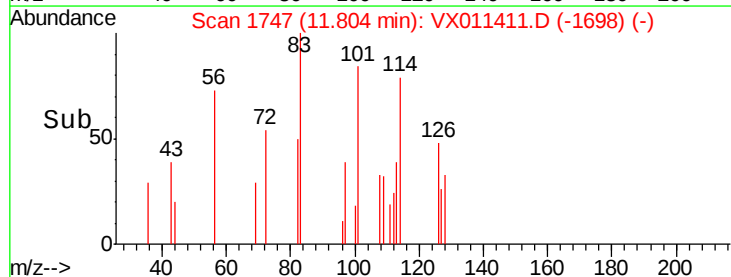
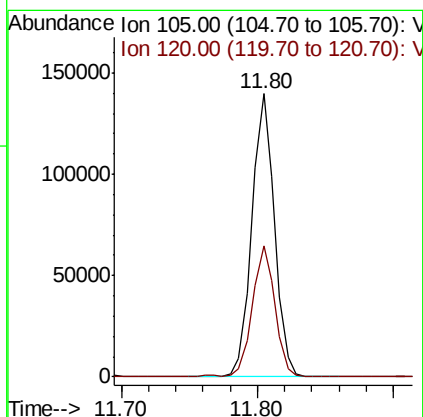
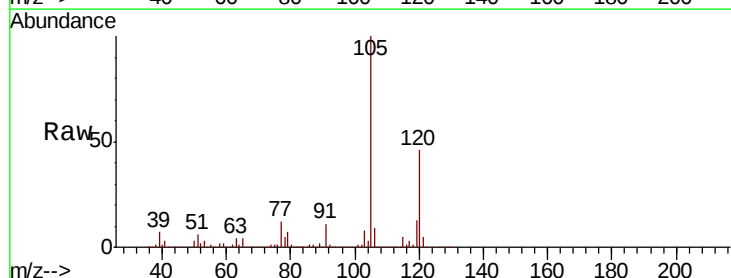
Instrument :
 MSVOA_X
 ClientSampled :
 Z3-0670

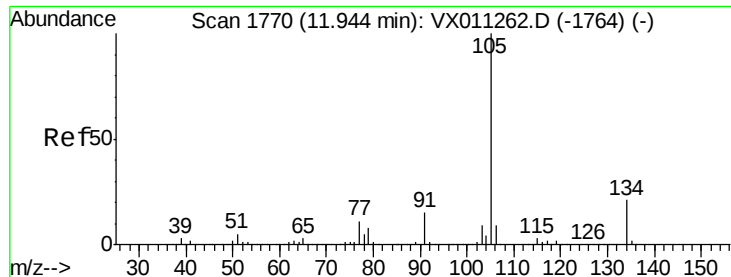
Tgt Ion:119 Resp: 8838
 Ion Ratio Lower Upper
 119 100
 91 74.1 28.0 84.0
 134 23.2 11.9 35.5



#84
 1,2,4-Trimethylbenzene
 Concen: 17.876 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX011411.D
 Acq: 09 Aug 2019 15:42

Tgt Ion:105 Resp: 162330
 Ion Ratio Lower Upper
 105 100
 120 46.7 23.0 69.0





#85

sec-Butylbenzene

Concen: 9.547 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX011411.D

Acq: 09 Aug 2019 15:42

Instrument :

MSVOA_X

ClientSampleId :

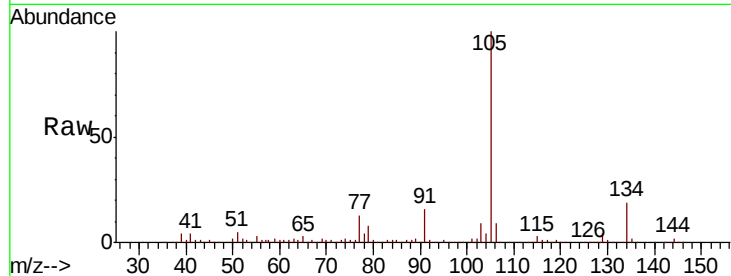
Z3-0670

Tgt Ion:105 Resp: 102607

Ion Ratio Lower Upper

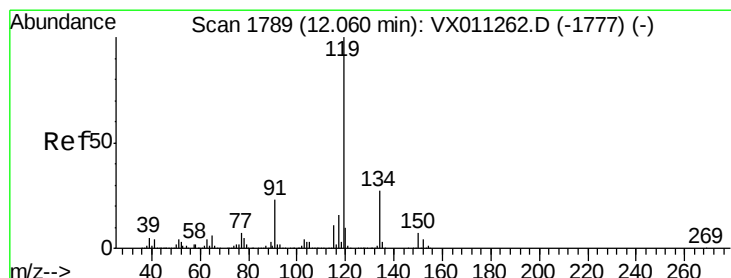
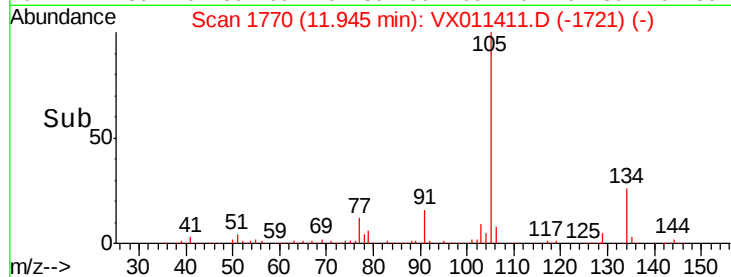
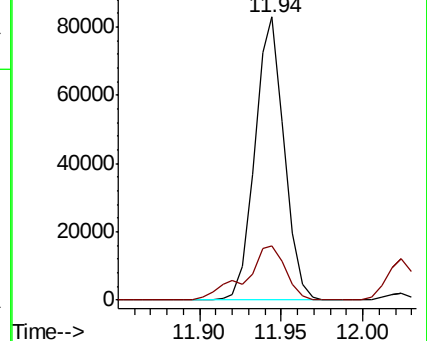
105 100

134 26.3 10.4 31.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 4.900 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. -0.04 min

Lab File: VX011411.D

Acq: 09 Aug 2019 15:42

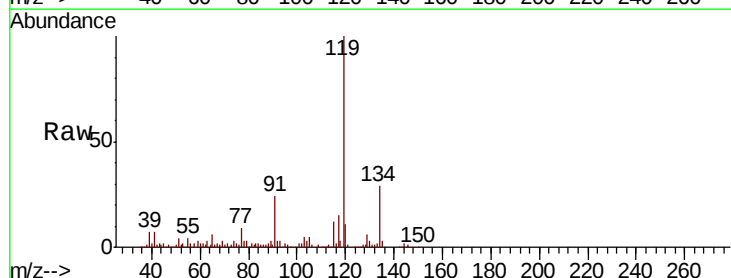
Tgt Ion:119 Resp: 48447

Ion Ratio Lower Upper

119 100

134 29.8 13.7 41.0

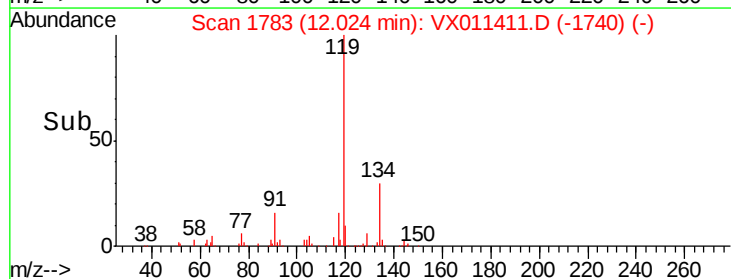
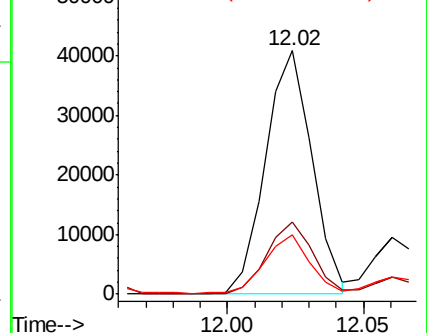
91 22.9 11.4 34.2

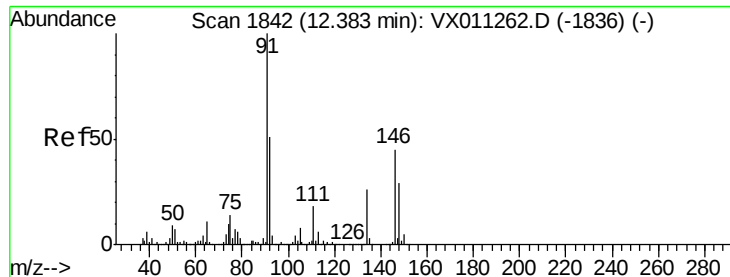


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

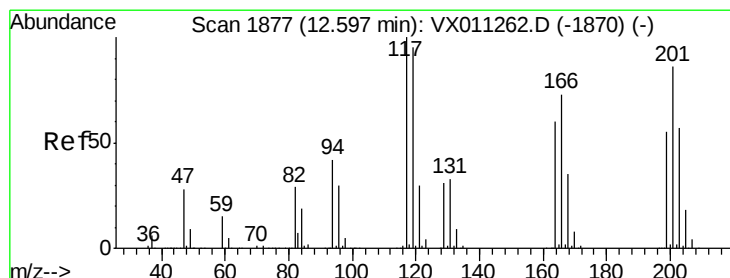
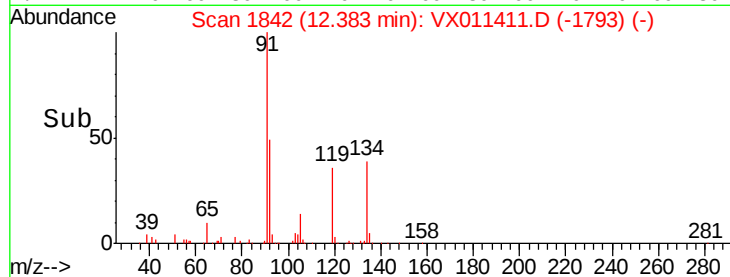
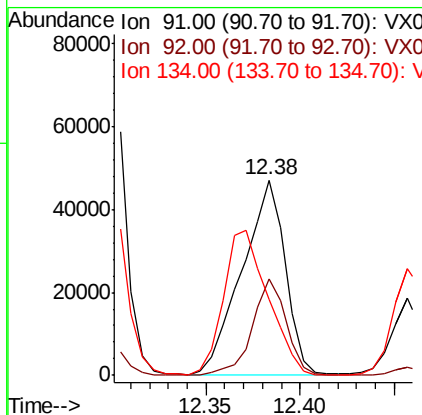
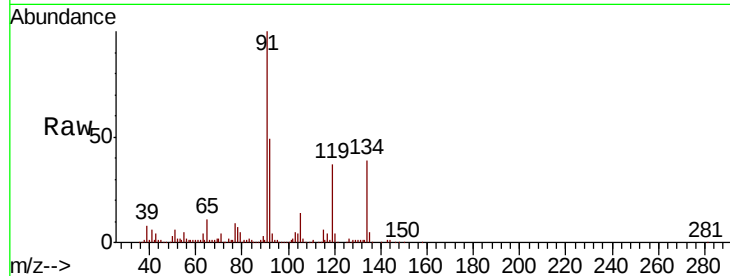




#89
n-Butylbenzene
Concen: 8.727 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX011411.D
Acq: 09 Aug 2019 15:42

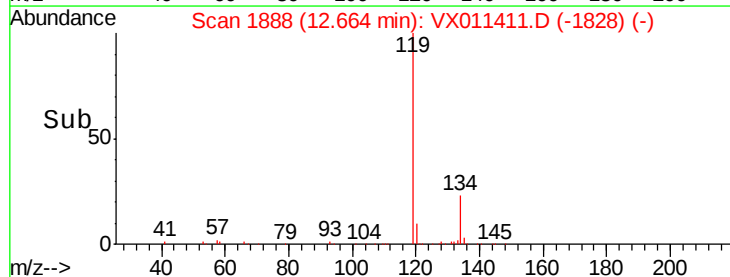
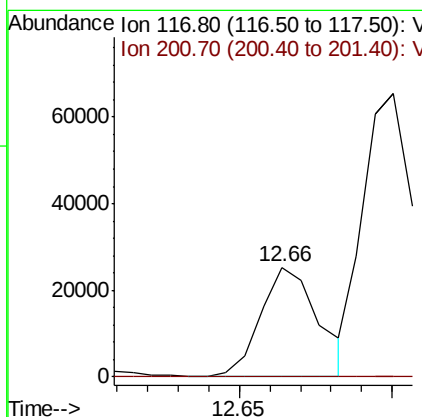
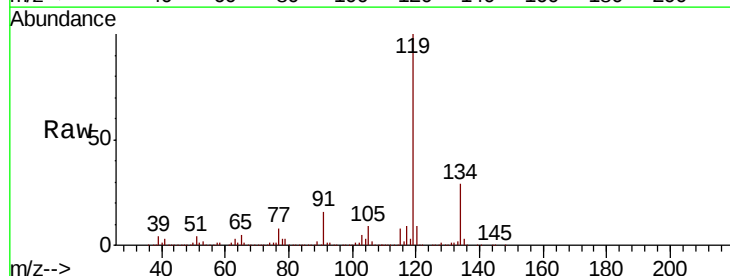
Instrument :
MSVOA_X
ClientSampleId :
Z3-0670

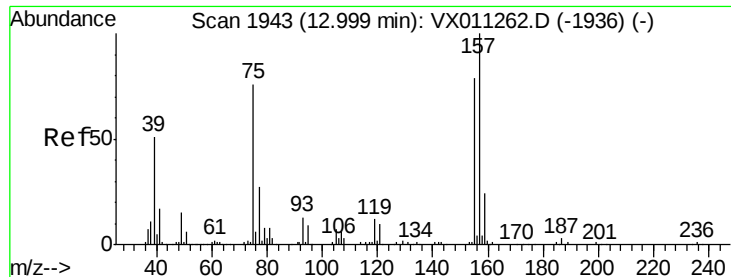
Tgt Ion: 91 Resp: 74338
Ion Ratio Lower Upper
91 100
92 39.1 25.8 77.3
134 76.6 13.7 41.0#



#90
Hexachloroethane
Concen: 22.478 ug/l
RT: 12.66 min Scan# 1888
Delta R.T. 0.07 min
Lab File: VX011411.D
Acq: 09 Aug 2019 15:42

Tgt Ion: 117 Resp: 32857
Ion Ratio Lower Upper
117 100
201 0.0 41.8 125.4#

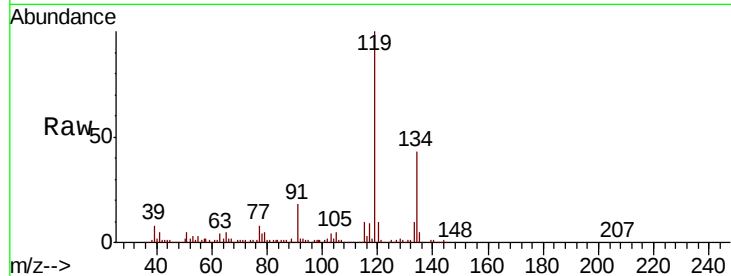




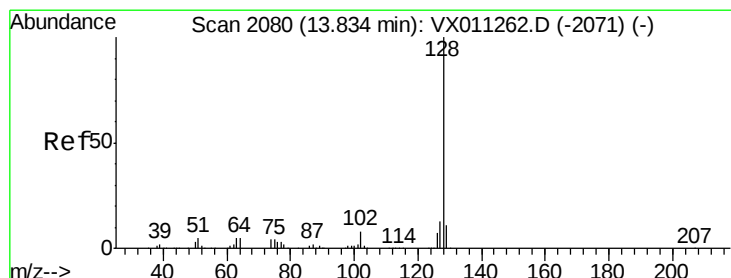
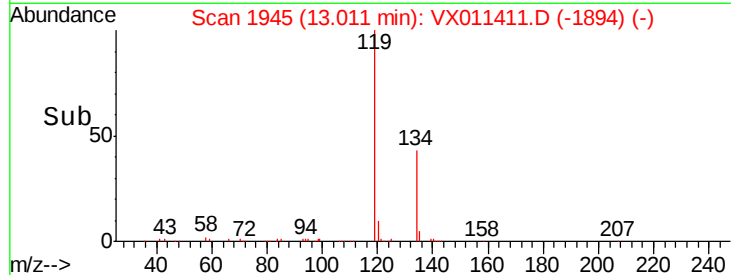
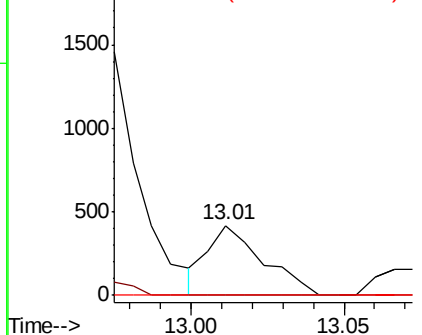
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.742 ug/l
 RT: 13.01 min Scan# 1945
 Delta R.T. 0.01 min
 Lab File: VX011411.D
 Acq: 09 Aug 2019 15:42

Instrument :
 MSVOA_X
 ClientSampleId :
 Z3-0670

Tgt Ion: 75 Resp: 522
 Ion Ratio Lower Upper
 75 100
 155 0.0 51.9 155.8#
 157 0.0 64.3 192.7#

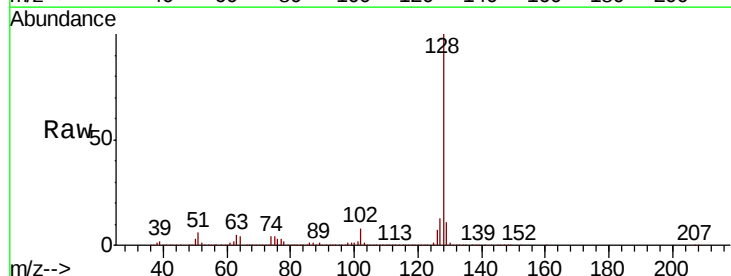


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V



#95
 Naphthalene
 Concen: 115.258 ug/l
 RT: 13.83 min Scan# 2080
 Delta R.T. 0.00 min
 Lab File: VX011411.D
 Acq: 09 Aug 2019 15:42

Tgt Ion: 128 Resp: 1198955
 Ion Ratio Lower Upper
 128 100
 127 13.2 10.4 15.6
 129 11.2 8.9 13.3



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

