

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX081319\
 Data File : VX011531.D
 Acq On : 13 Aug 2019 13:20
 Operator : JC/SP
 Sample : K4279-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 Z3-0671

Quant Time: Aug 14 01:05:42 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	5.65	168	198425	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	294602	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	270079	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	146746	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	105474	52.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.56%	
35) Dibromofluoromethane	5.49	113	88444	45.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.96%	
50) Toluene-d8	8.71	98	349960	48.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.40%	
62) 4-Bromofluorobenzene	11.13	95	129767	50.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.12%	

Target Compounds

					Qvalue	
3) Chloromethane	1.32	50	393	0.228	ug/l #	69
6) Chloroethane	1.69	64	447	Below Cal	#	79
11) Tert butyl alcohol	3.01	59	469	1.200	ug/l #	72
13) Acrolein	2.39	56	9876	39.526	ug/l	84
14) Allyl chloride	2.84	41	37388	15.535	ug/l #	68
15) Acrylonitrile	3.17	53	14887	15.656	ug/l #	37
16) Acetone	2.44	43	9398	9.881	ug/l	94
18) Methyl Acetate	2.84	43	87295	40.162	ug/l #	49
20) Methylene Chloride	2.84	84	569	0.273	ug/l #	1
25) 2-Butanone	4.68	43	2977	2.200	ug/l	90
26) 2,2-Dichloropropane	4.40	77	6691	2.760	ug/l #	49
31) Cyclohexane	5.58	56	787757	306.124	ug/l	99
36) 1,1-Dichloropropene	5.66	75	13825	5.375	ug/l #	49
38) Carbon Tetrachloride	5.66	117	18802	7.266	ug/l #	17
39) Methylcyclohexane	7.46	83	716430	234.983	ug/l	99
40) Benzene	6.14	78	1752350	228.304	ug/l	97
41) Methacrylonitrile	5.05	41	414	0.294	ug/l #	44
42) 1,2-Dichloroethane	6.13	62	16167	6.229	ug/l #	72
43) Isopropyl Acetate	6.45	43	10294	2.496	ug/l #	64
45) 1,2-Dichloropropane	7.46	63	7525	3.786	ug/l #	1
48) Methyl methacrylate	7.73	41	31271	16.109	ug/l #	55
49) 1,4-Dioxane	7.76	88	20	0.355	ug/l #	29
51) 4-Methyl-2-Pentanone	8.66	43	6830	2.566	ug/l #	52
52) Toluene	8.78	92	6536	1.288	ug/l	96
53) t-1,3-Dichloropropene	9.04	75	89	2.868	ug/l #	1
55) 1,1,2-Trichloroethane	9.16	97	30684	14.706	ug/l #	19
56) Ethyl methacrylate	9.16	69	6758	2.273	ug/l #	1
59) 2-Hexanone	9.49	43	854	0.414	ug/l #	44
67) Ethyl Benzene	10.25	91	4432470	457.040	ug/l	99
68) m/p-Xylenes	10.36	106	634803	169.224	ug/l	97
69) o-Xylene	10.69	106	12719	3.451	ug/l	99
70) Styrene	10.71	104	1849	0.303	ug/l #	1
73) Isopropylbenzene	11.02	105	449208	44.758	ug/l	99
74) N-amyl acetate	10.91	43	2014	0.555	ug/l #	1

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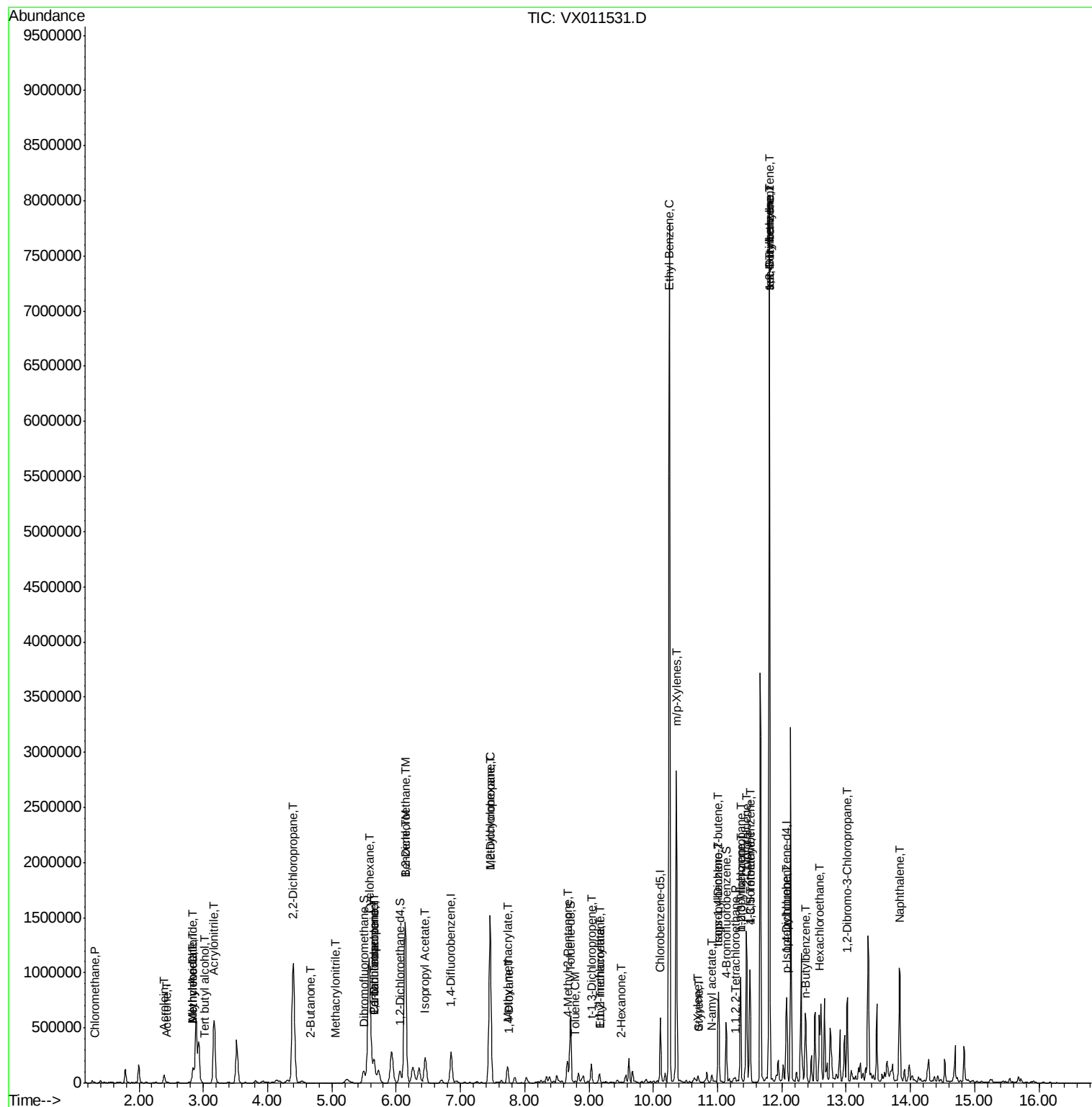
75) 1,1,2,2-Tetrachloroethane	11.28	83	2146	0.642	ug/l #	57
76) 1,2,3-Trichloropropane	11.36	75	3831	1.434	ug/l #	1
78) n-propylbenzene	11.36	91	600678	53.819	ug/l	98
79) 2-Chlorotoluene	11.45	91	84409	12.689	ug/l #	38
80) 1,3,5-Trimethylbenzene	11.51	105	442280	52.643	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.01	75	5852	9.846	ug/l #	66
82) 4-Chlorotoluene	11.51	91	47804	6.166	ug/l #	42
83) tert-Butylbenzene	11.80	119	429013	52.065	ug/l #	56
84) 1,2,4-Trimethylbenzene	11.80	105	3454503	412.982	ug/l	100
85) sec-Butylbenzene	11.80	105	3454126	348.901	ug/l #	55
86) p-Isopropyltoluene	12.06	119	93099	10.222	ug/l	98
89) n-Butylbenzene	12.38	91	97367	12.409	ug/l #	34
90) Hexachloroethane	12.58	117	27474	20.404	ug/l #	8
92) 1,2-Dibromo-3-Chloropropan	13.02	75	2294	3.540	ug/l #	1
95) Naphthalene	13.83	128	658630	68.734	ug/l	99

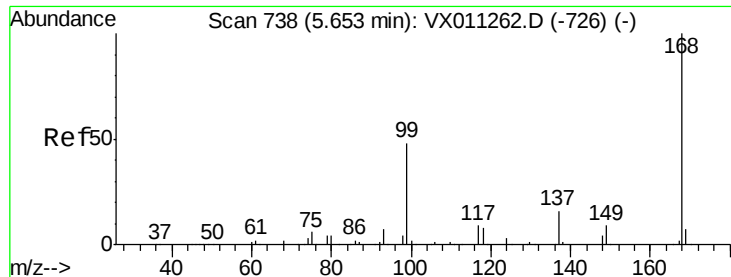
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.00 min

Lab File: VX011531.D

Acq: 13 Aug 2019 13:20

Instrument :

MSVOA_X

ClientSampleId :

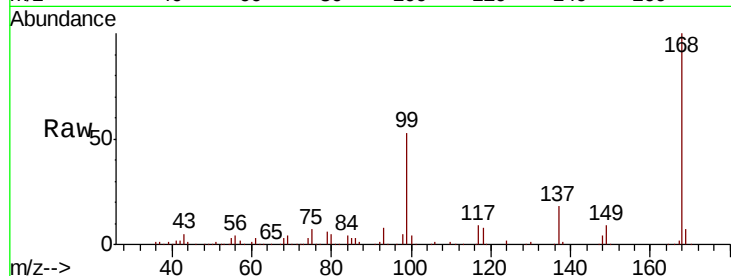
Z3-0671

Tgt Ion:168 Resp: 198425

Ion Ratio Lower Upper

168 100

99 53.1 38.5 57.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

80000

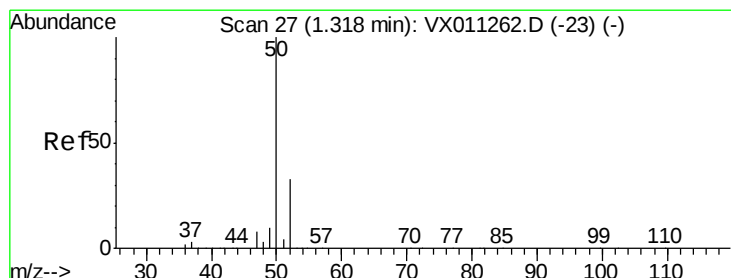
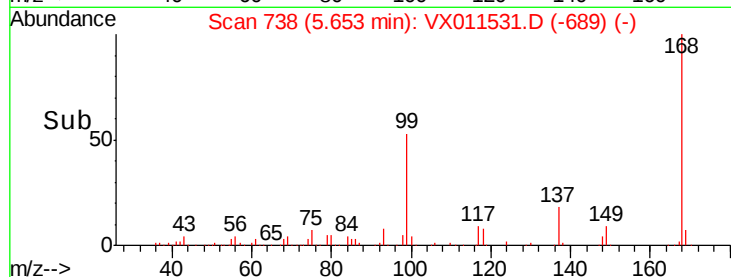
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.228 ug/l

RT: 1.32 min Scan# 27

Delta R.T. 0.00 min

Lab File: VX011531.D

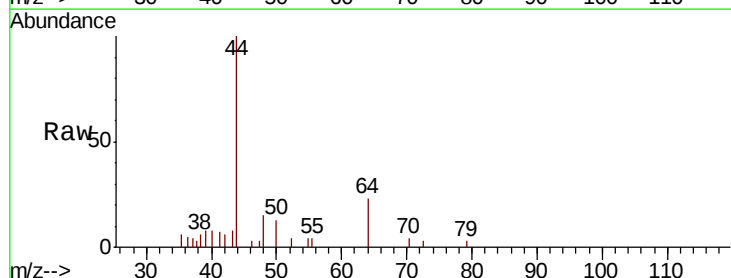
Acq: 13 Aug 2019 13:20

Tgt Ion: 50 Resp: 393

Ion Ratio Lower Upper

50 100

52 50.3 26.4 39.6#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

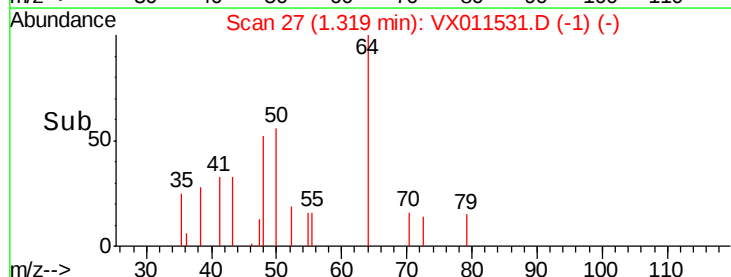
300

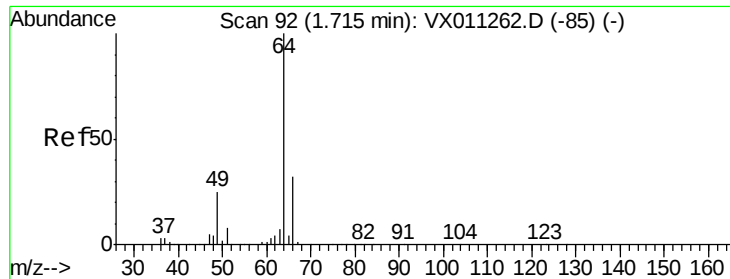
200

100

0

Time--> 1.28 1.30 1.32 1.34 1.36





#6

Chloroethane

Concen: Below Cal

RT: 1.69 min Scan# 88

Delta R.T. -0.02 min

Lab File: VX011531.D

Acq: 13 Aug 2019 13:20

Instrument :

MSVOA_X

ClientSampled :

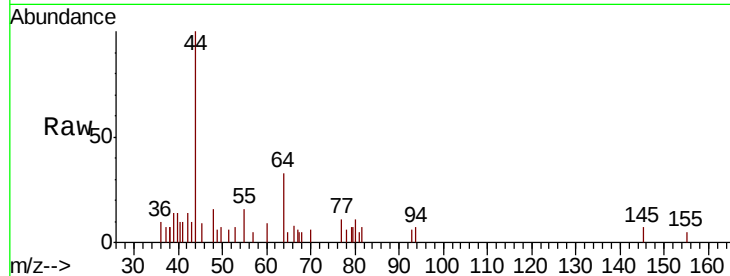
Z3-0671

Tgt Ion: 64 Resp: 447

Ion Ratio Lower Upper

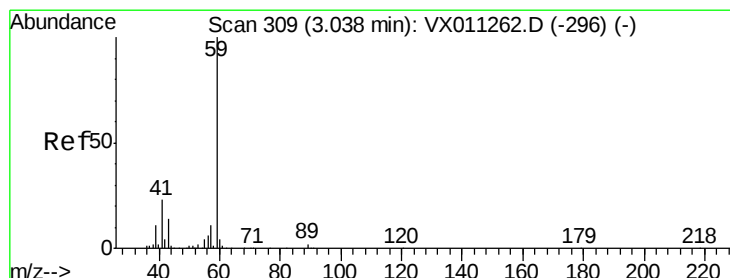
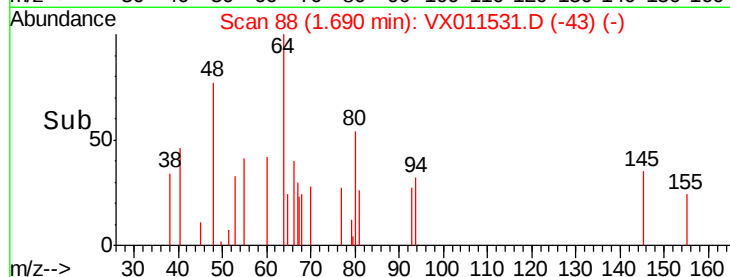
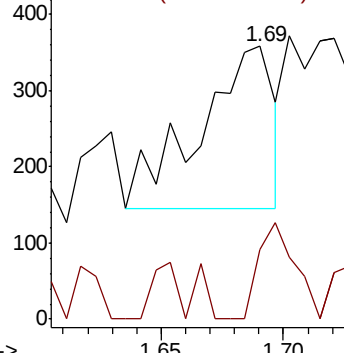
64 100

66 42.9 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: 1.200 ug/l

RT: 3.01 min Scan# 305

Delta R.T. -0.02 min

Lab File: VX011531.D

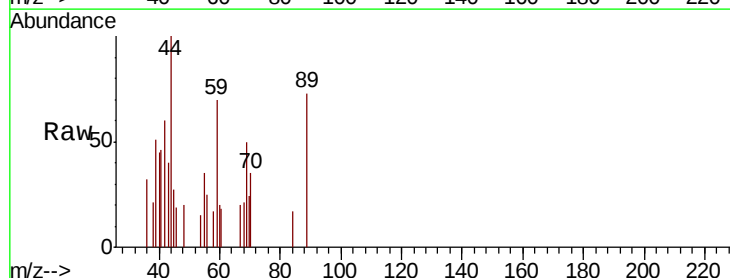
Acq: 13 Aug 2019 13:20

Tgt Ion: 59 Resp: 469

Ion Ratio Lower Upper

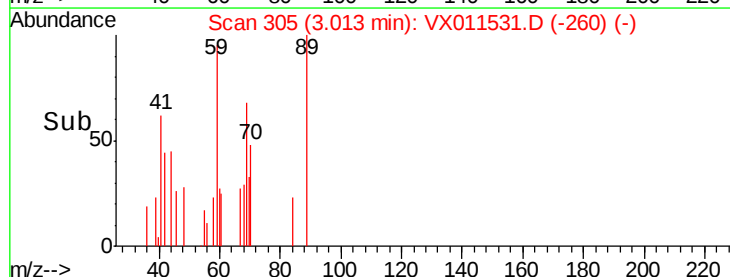
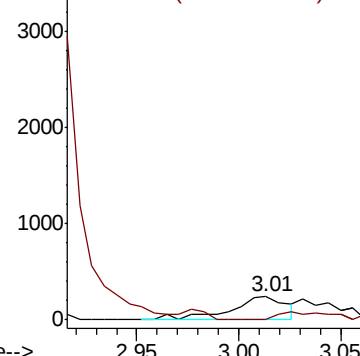
59 100

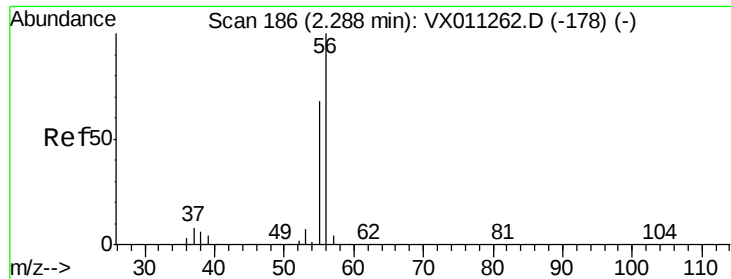
57 0.0 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 39.526 ug/l

RT: 2.39 min Scan# 203

Delta R.T. 0.10 min

Lab File: VX011531.D

Acq: 13 Aug 2019 13:20

Instrument :

MSVOA_X

ClientSampleId :

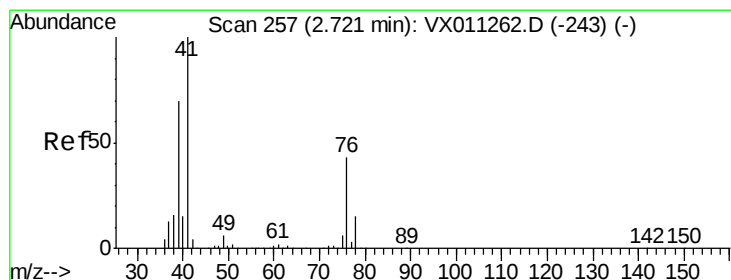
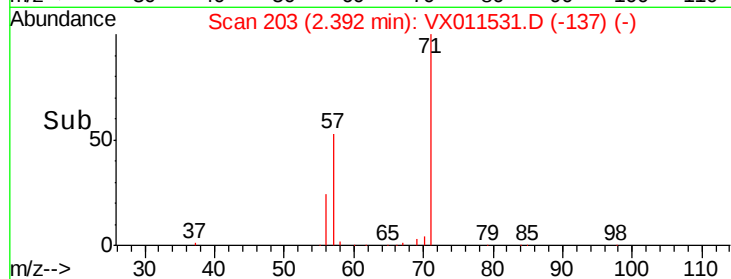
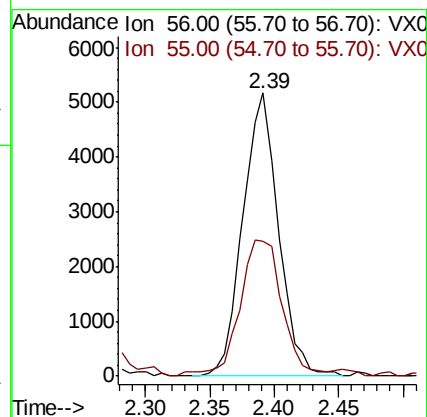
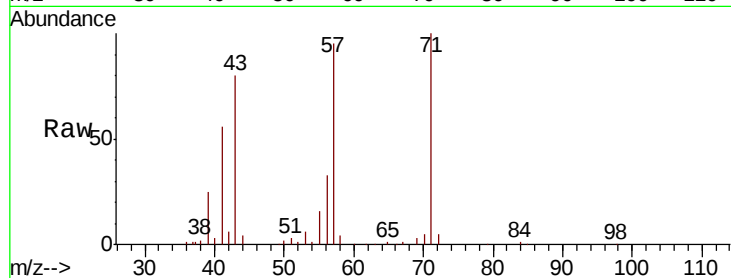
Z3-0671

Tgt Ion: 56 Resp: 9876

Ion Ratio Lower Upper

56 100

55 57.0 56.0 84.0



#14

Allyl chloride

Concen: 15.535 ug/l

RT: 2.84 min Scan# 276

Delta R.T. 0.12 min

Lab File: VX011531.D

Acq: 13 Aug 2019 13:20

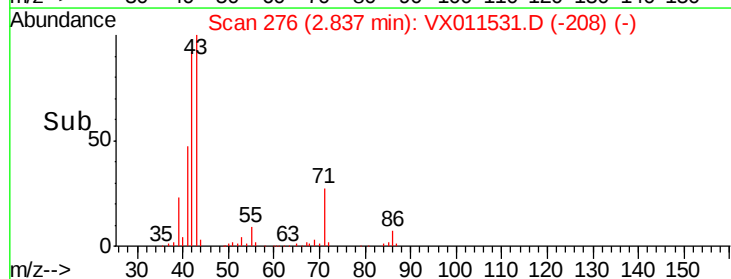
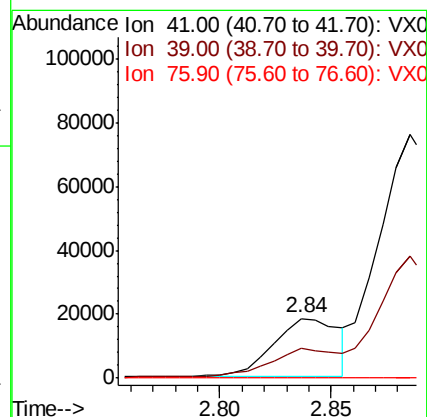
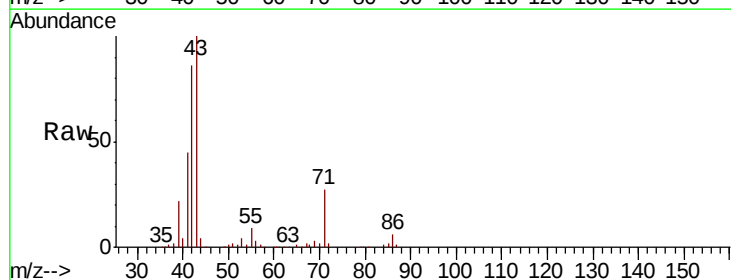
Tgt Ion: 41 Resp: 37388

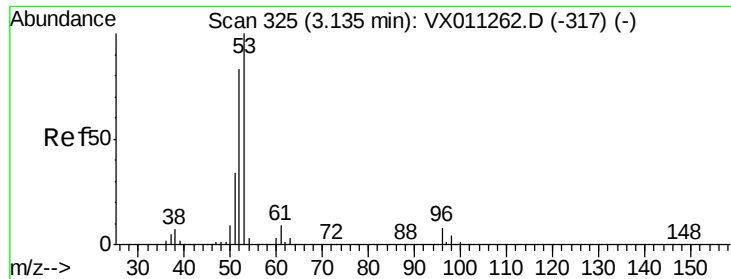
Ion Ratio Lower Upper

41 100

39 55.9 52.8 79.2

76 0.1 31.1 46.7#





#15

Acrylonitrile

Concen: 15.656 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.03 min

Lab File: VX011531.D

Acq: 13 Aug 2019 13:20

Instrument :

MSVOA_X

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Z3-0671

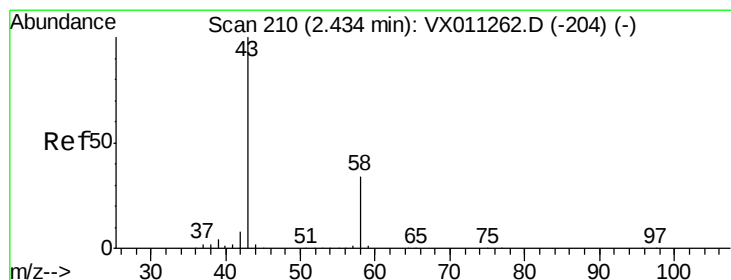
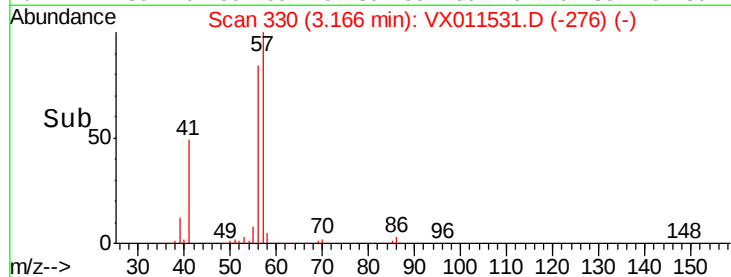
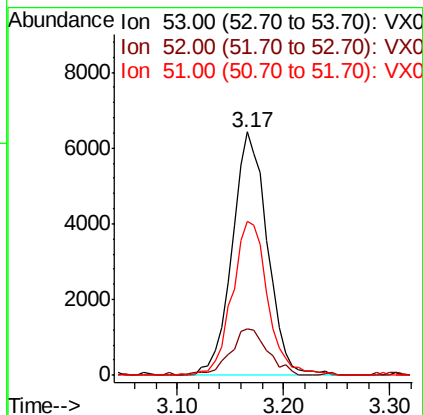
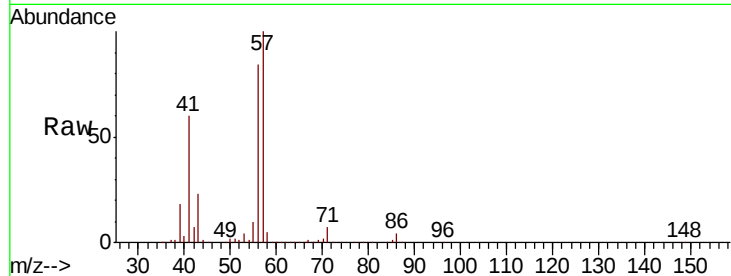
Tgt Ion: 53 Resp: 14887

Ion Ratio Lower Upper

53 100

52 20.5 65.5 98.3#

51 64.0 27.9 41.9#



#16

Acetone

Concen: 9.881 ug/l

RT: 2.44 min Scan# 211

Delta R.T. 0.01 min

Lab File: VX011531.D

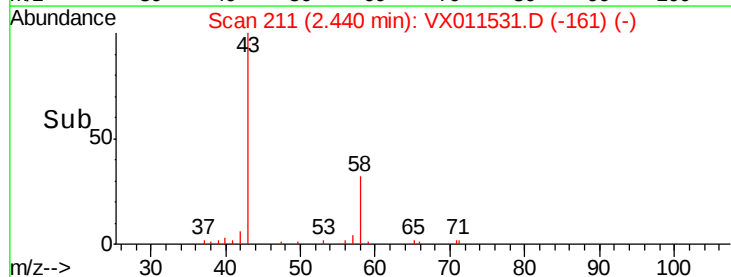
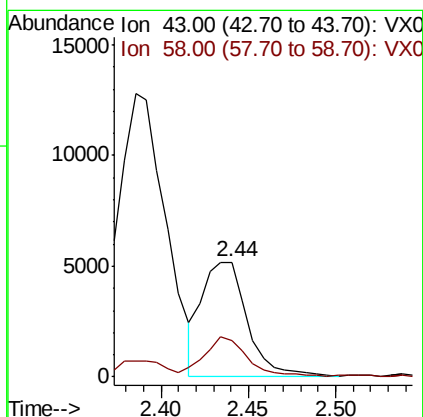
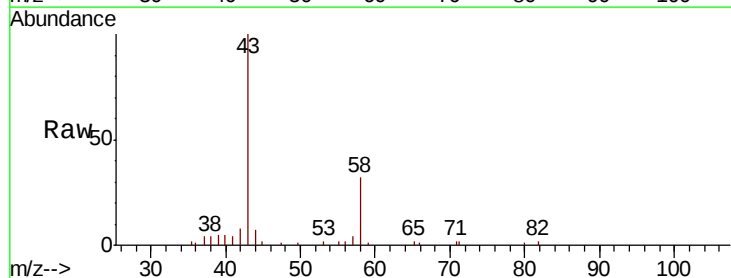
Acq: 13 Aug 2019 13:20

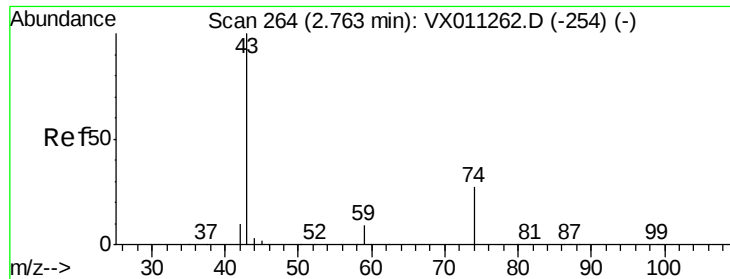
Tgt Ion: 43 Resp: 9398

Ion Ratio Lower Upper

43 100

58 30.5 27.4 41.0

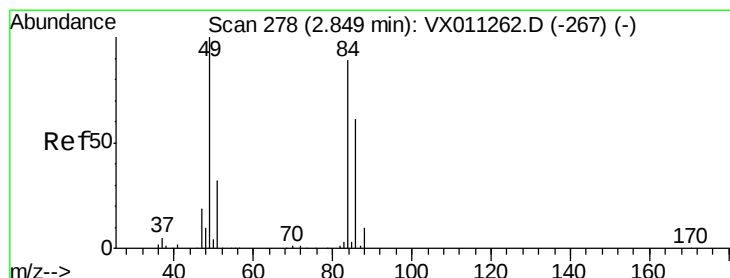
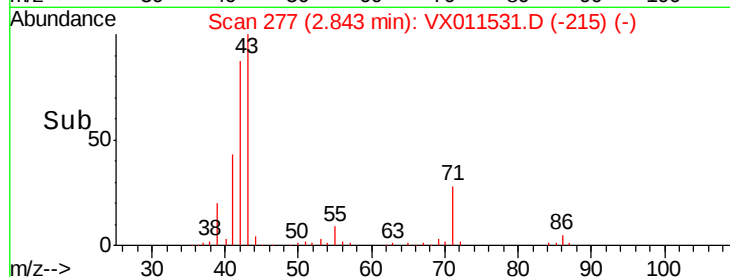
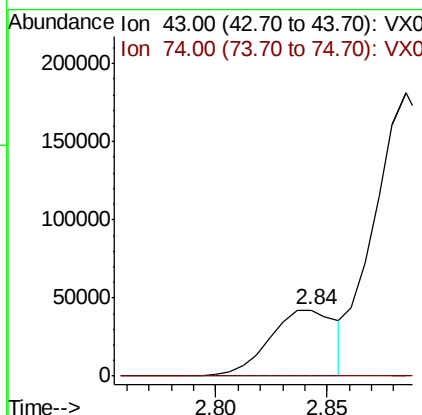
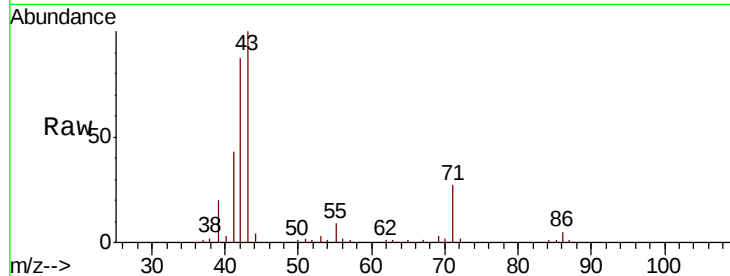




#18
Methyl Acetate
Concen: 40.162 ug/l
RT: 2.84 min Scan# 277
Delta R.T. 0.08 min
Lab File: VX011531.D
Acq: 13 Aug 2019 13:20

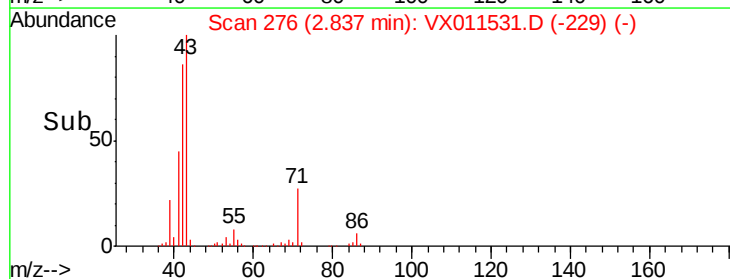
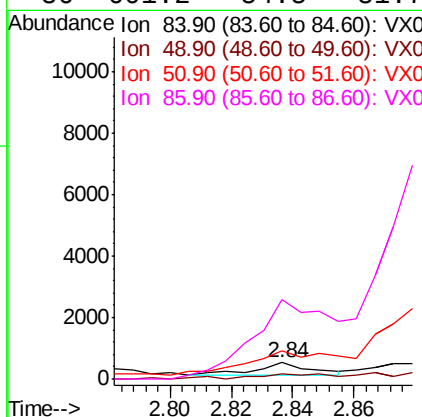
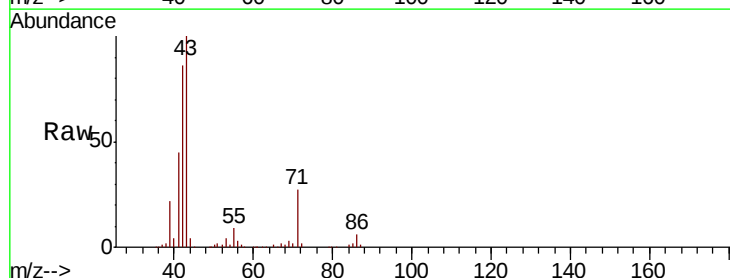
Instrument :
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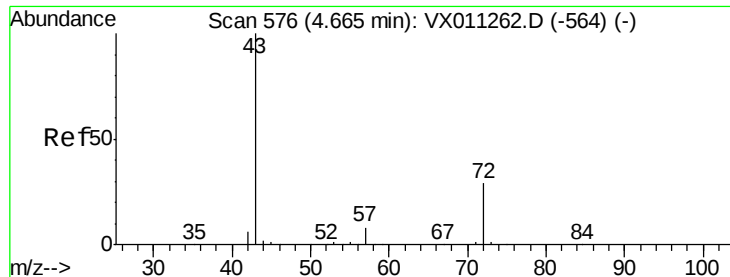
Tgt Ion: 43 Resp: 87295
Ion Ratio Lower Upper
43 100
74 0.0 21.0 31.6#



#20
Methylene Chloride
Concen: 0.273 ug/l
RT: 2.84 min Scan# 276
Delta R.T. -0.01 min
Lab File: VX011531.D
Acq: 13 Aug 2019 13:20

Tgt Ion: 84 Resp: 569
Ion Ratio Lower Upper
84 100
49 30.0 89.3 133.9#
51 151.9 28.3 42.5#
86 601.2 54.5 81.7#





#25

2-Butanone

Concen: 2.200 ug/l

RT: 4.68 min Scan# 578

Delta R.T. 0.01 min

Lab File: VX011531.D

Acq: 13 Aug 2019 13:20

Instrument :

MSVOA_X

ClientSampled :

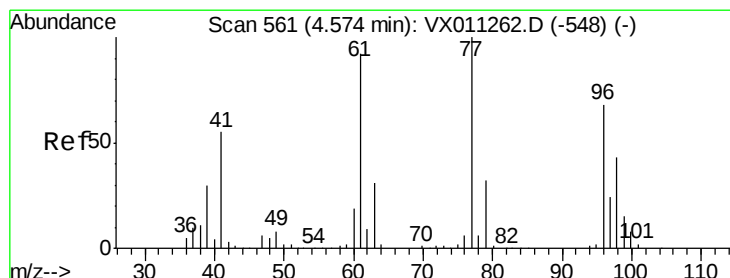
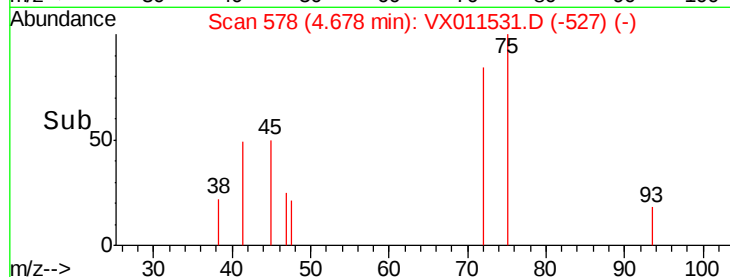
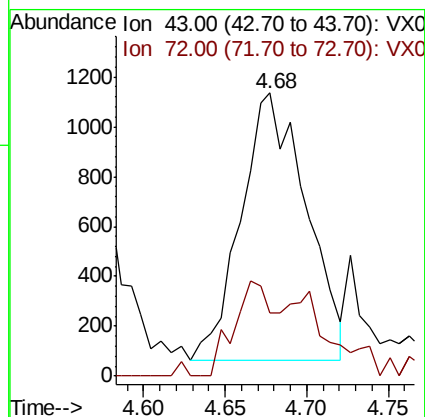
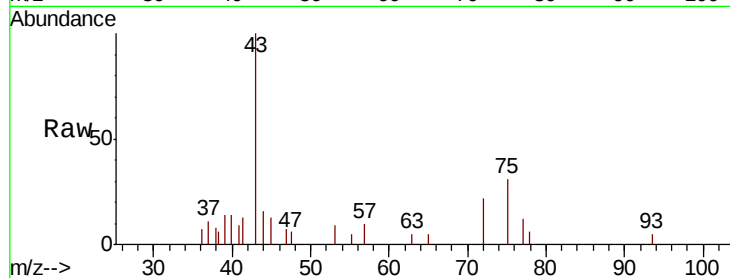
Z3-0671

Tgt Ion: 43 Resp: 2977

Ion Ratio Lower Upper

43 100

72 23.6 23.2 34.8



#26

2,2-Dichloropropane

Concen: 2.760 ug/l

RT: 4.40 min Scan# 533

Delta R.T. -0.17 min

Lab File: VX011531.D

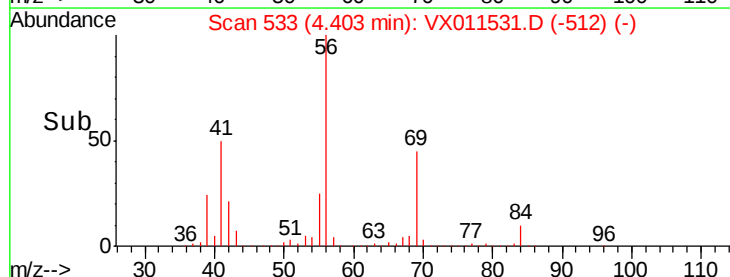
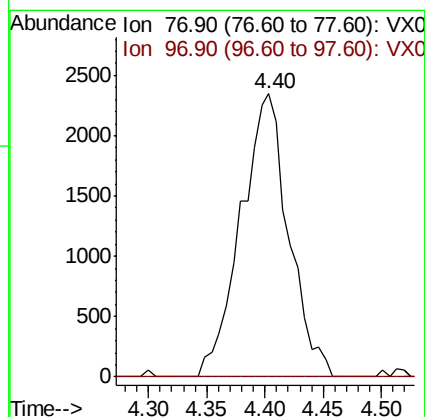
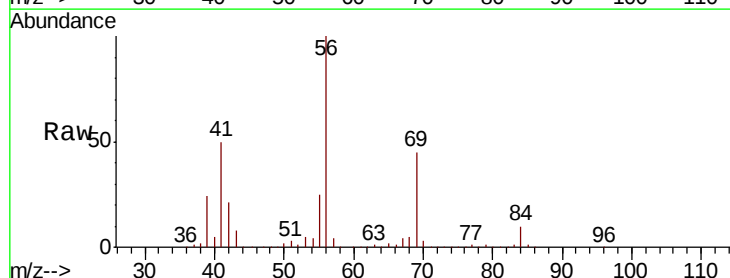
Acq: 13 Aug 2019 13:20

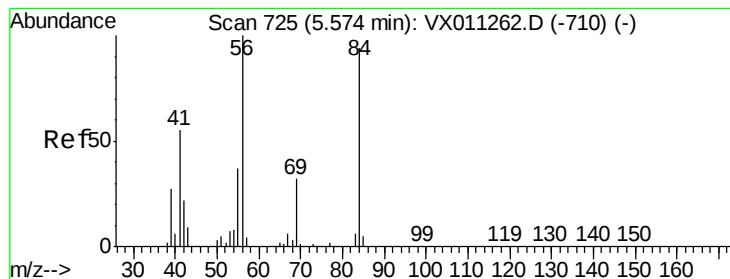
Tgt Ion: 77 Resp: 6691

Ion Ratio Lower Upper

77 100

97 0.0 12.8 38.4#





#31

Cyclohexane

Concen: 306.124 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.01 min

Lab File: VX011531.D

Acq: 13 Aug 2019 13:20

Instrument :

MSVOA_X

ClientSampleId :

Z3-0671

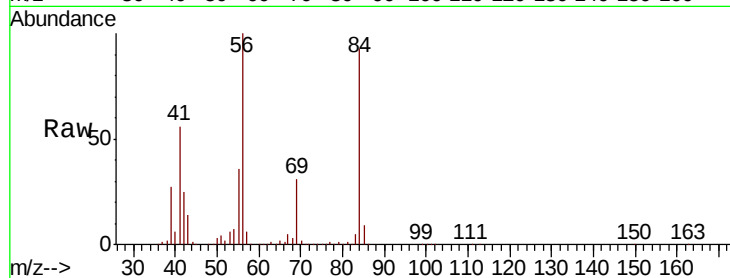
Tgt Ion: 56 Resp: 787757

Ion Ratio Lower Upper

56 100

69 31.3 25.5 38.3

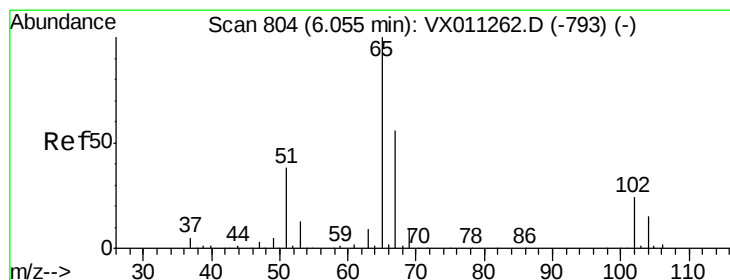
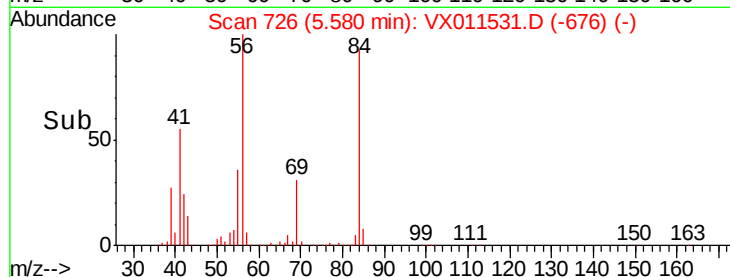
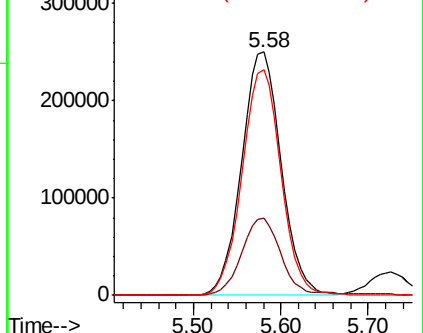
84 93.0 75.0 112.4



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 52.783 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.01 min

Lab File: VX011531.D

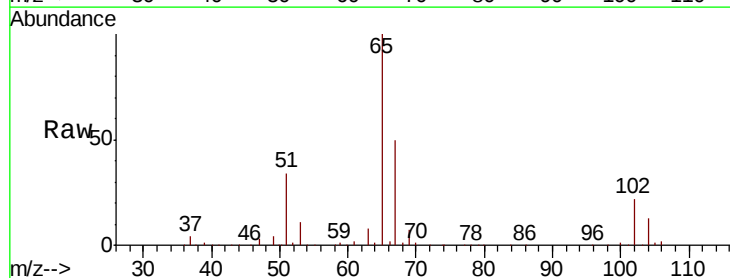
Acq: 13 Aug 2019 13:20

Tgt Ion: 65 Resp: 105474

Ion Ratio Lower Upper

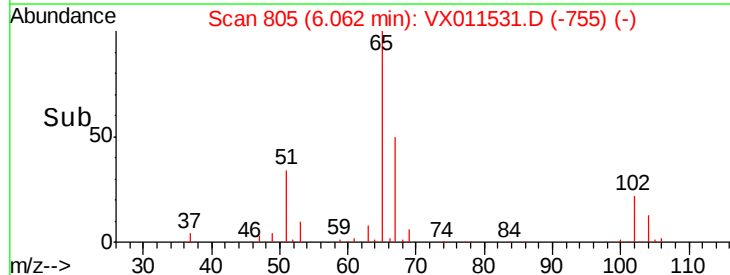
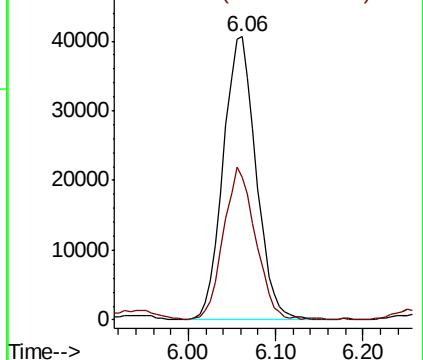
65 100

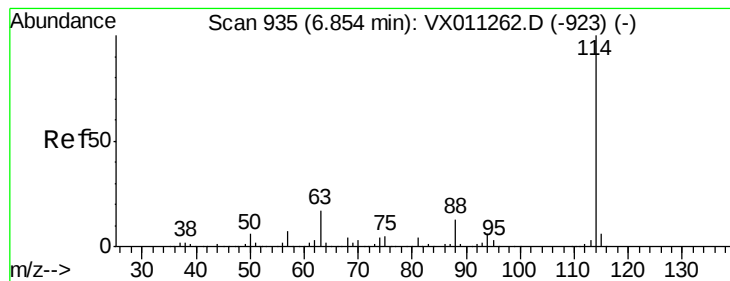
67 52.5 0.0 110.6



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: 6.85 min Scan# 935

Delta R.T. 0.00 min

Lab File: VX011531.D

Acq: 13 Aug 2019 13:20

Instrument :

MSVOA_X

ClientSampleId :

Z3-0671

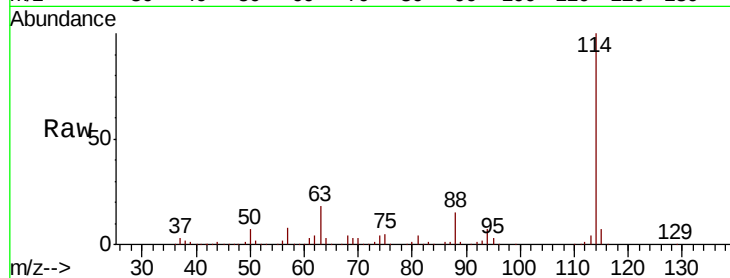
Tgt Ion:114 Resp: 294602

Ion Ratio Lower Upper

114 100

63 18.5 0.0 34.0

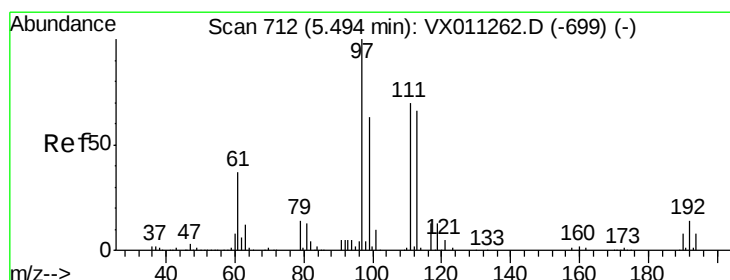
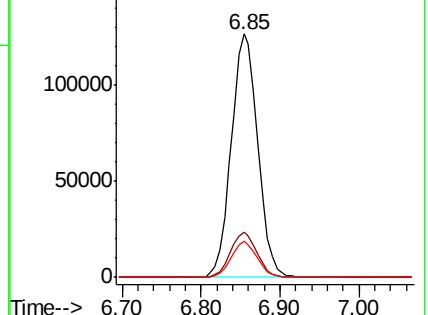
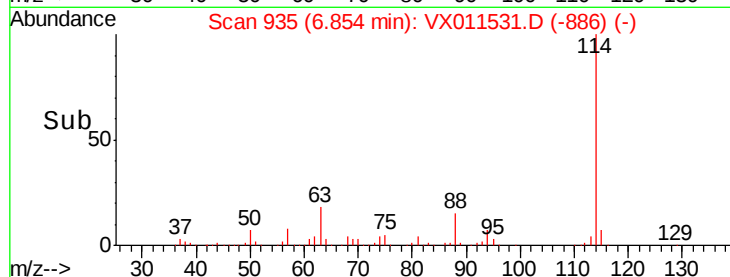
88 14.8 0.0 26.4



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: 45.983 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX011531.D

Acq: 13 Aug 2019 13:20

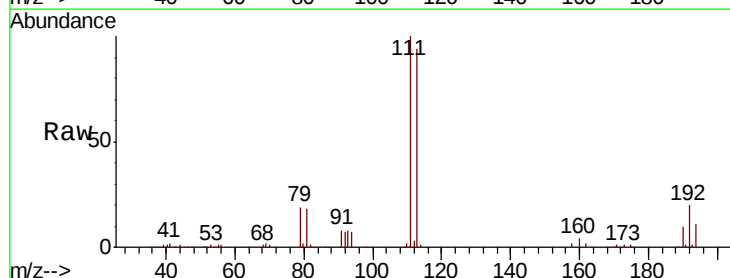
Tgt Ion:113 Resp: 88444

Ion Ratio Lower Upper

113 100

111 102.3 81.9 122.9

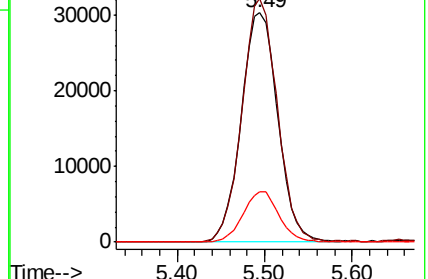
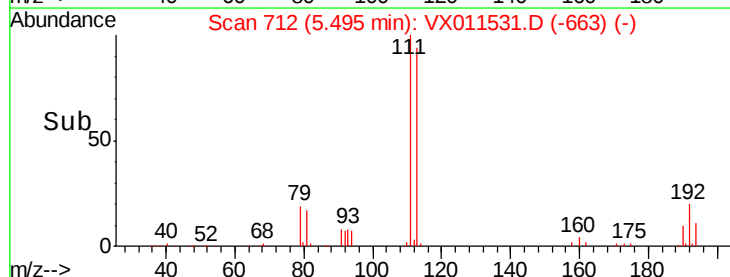
192 21.7 17.8 26.8

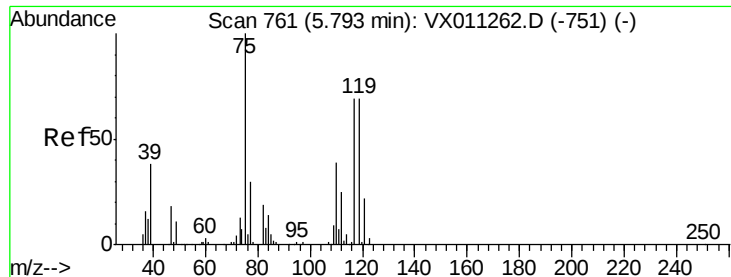


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.375 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX011531.D

Acq: 13 Aug 2019 13:20

Instrument :

MSVOA_X

ClientSampleId :

Z3-0671

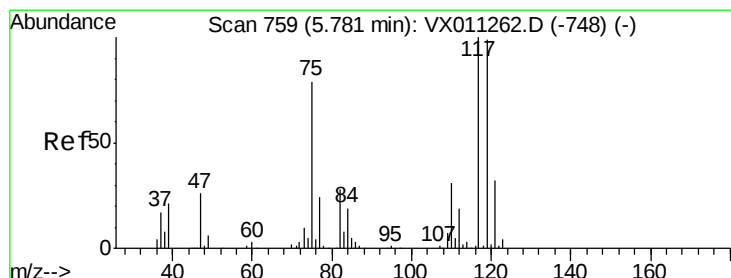
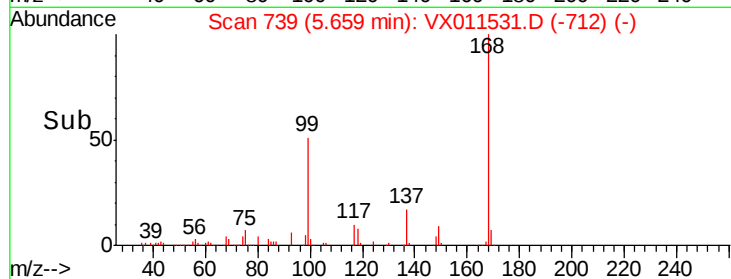
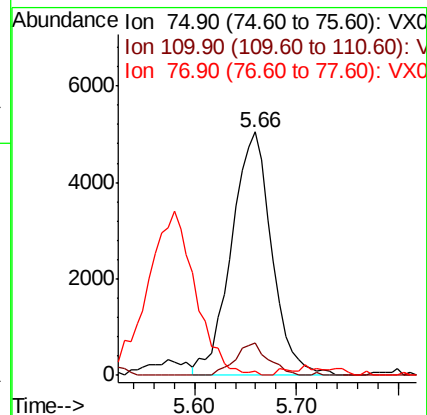
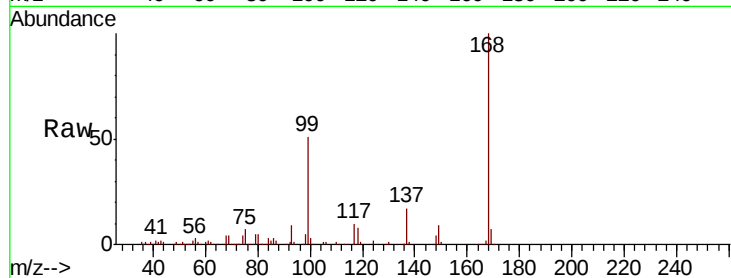
Tgt Ion: 75 Resp: 13825

Ion Ratio Lower Upper

75 100

110 10.8 20.0 59.9#

77 0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 7.266 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX011531.D

Acq: 13 Aug 2019 13:20

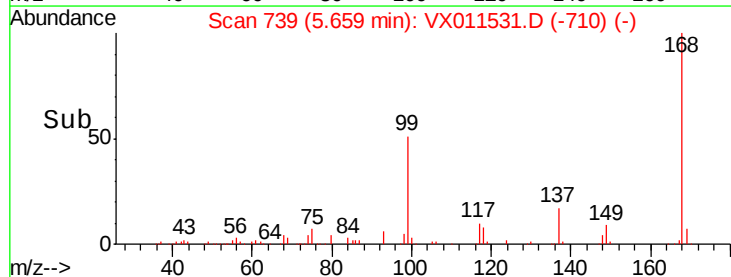
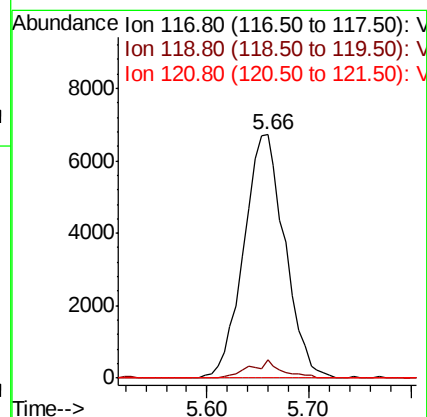
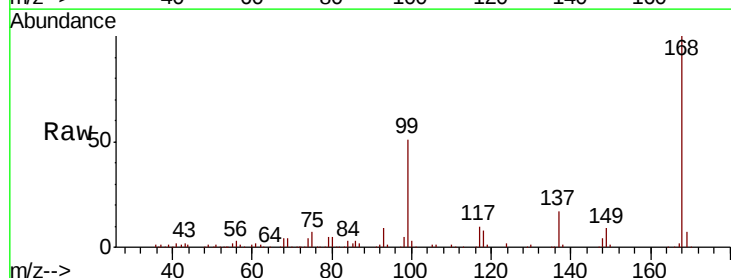
Tgt Ion: 117 Resp: 18802

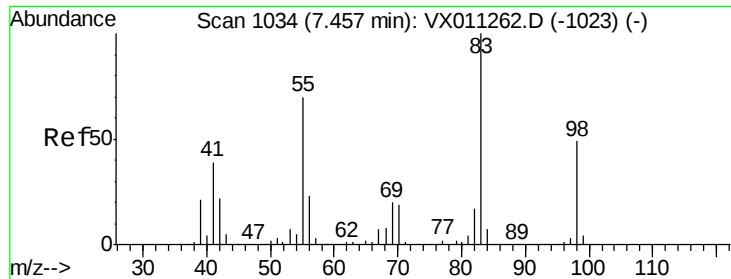
Ion Ratio Lower Upper

117 100

119 7.6 79.0 118.4#

121 0.0 25.9 38.9#

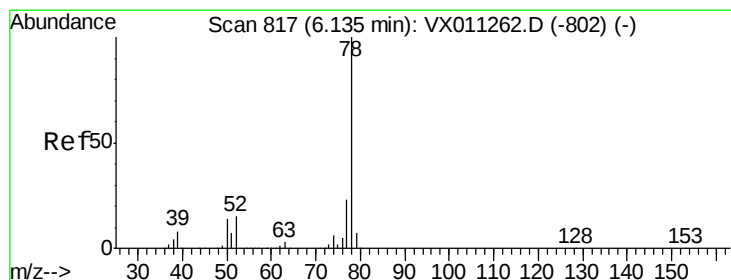
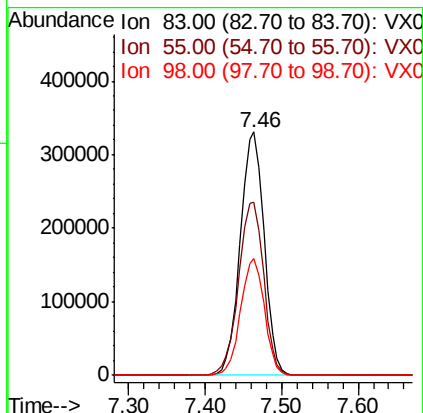
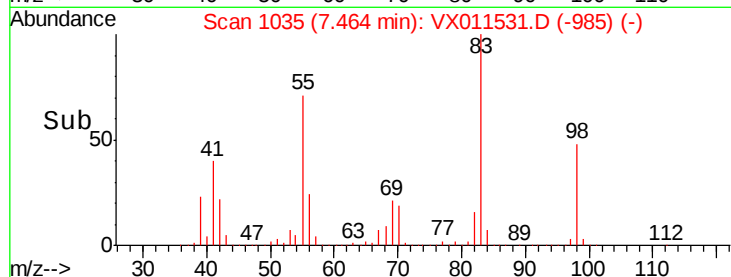
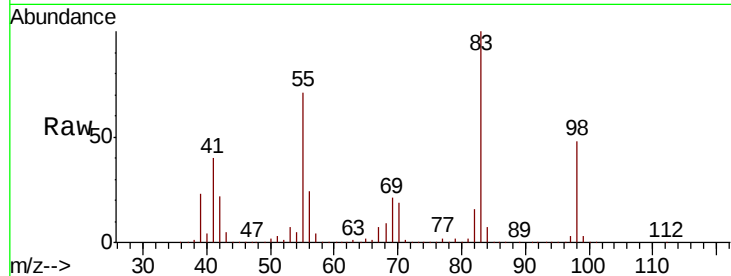




#39
Methylcyclohexane
Concen: 234.983 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VX011531.D
Acq: 13 Aug 2019 13:20

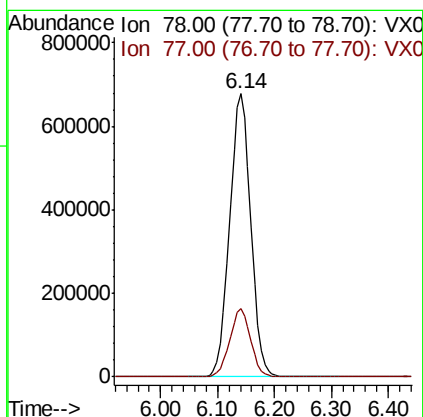
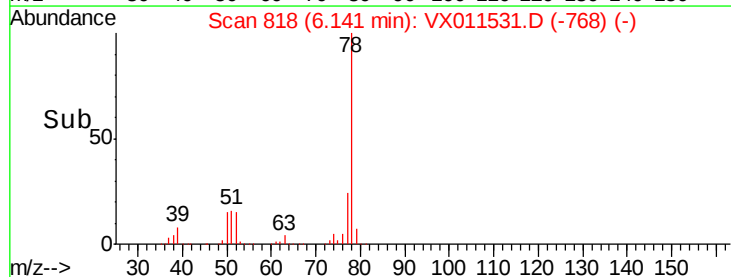
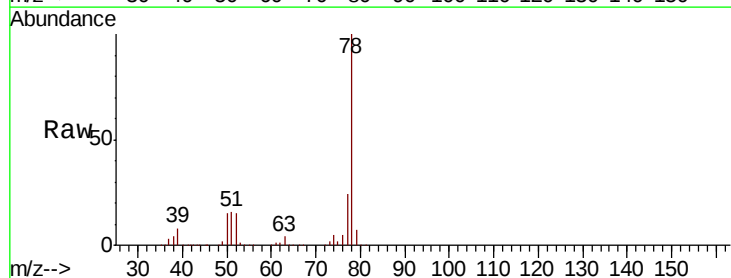
Instrument :
MSVOA_X
ClientSampled :
Z3-0671

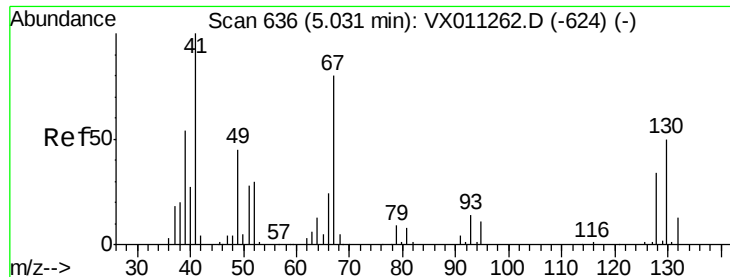
Tgt Ion: 83 Resp: 716430
Ion Ratio Lower Upper
83 100
55 71.1 56.1 84.1
98 47.8 39.0 58.4



#40
Benzene
Concen: 228.304 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.01 min
Lab File: VX011531.D
Acq: 13 Aug 2019 13:20

Tgt Ion: 78 Resp: 1752350
Ion Ratio Lower Upper
78 100
77 24.0 18.2 27.2





#41

Methacrylonitrile

Concen: 0.294 ug/l

RT: 5.05 min Scan# 639

Delta R.T. 0.02 min

Lab File: VX011531.D

Acq: 13 Aug 2019 13:20

Instrument :

MSVOA_X

ClientSampled :

Z3-0671

Tgt Ion: 41 Resp: 414

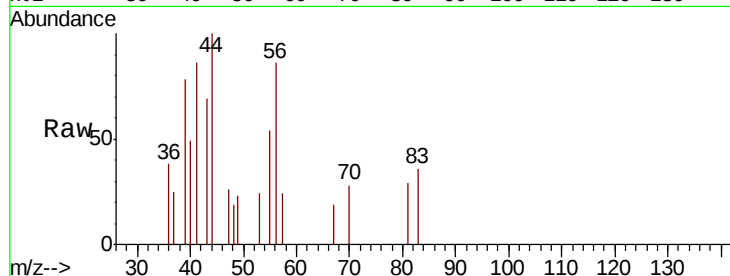
Ion Ratio Lower Upper

41 100

39 52.9 43.0 64.6

67 0.0 65.1 97.7#

52 0.0 24.8 37.2#

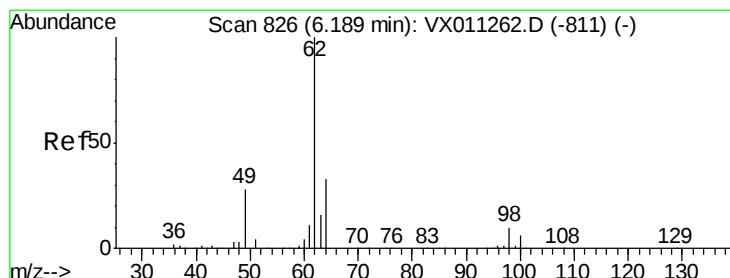
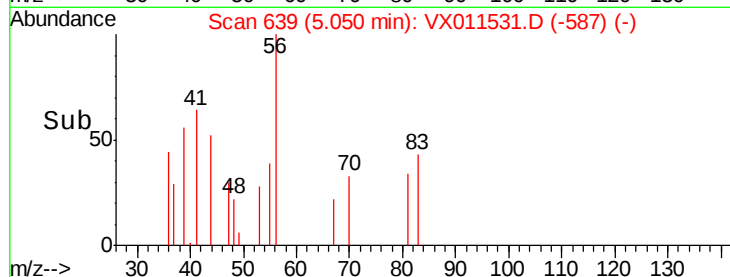
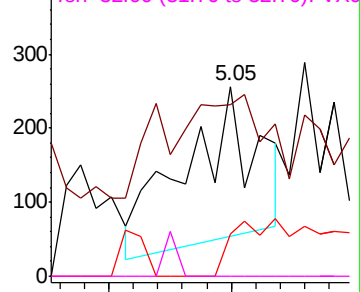


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 6.229 ug/l

RT: 6.13 min Scan# 817

Delta R.T. -0.05 min

Lab File: VX011531.D

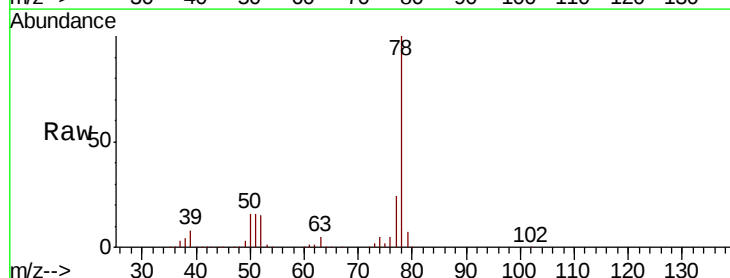
Acq: 13 Aug 2019 13:20

Tgt Ion: 62 Resp: 16167

Ion Ratio Lower Upper

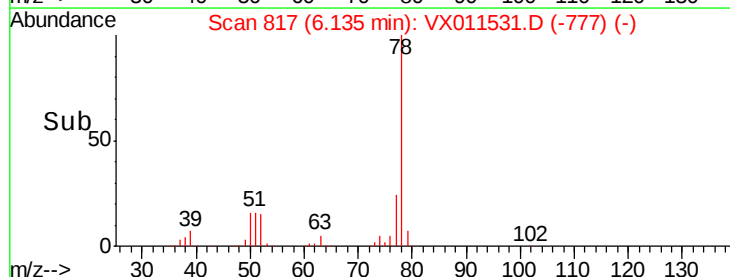
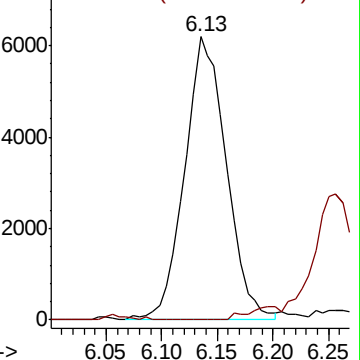
62 100

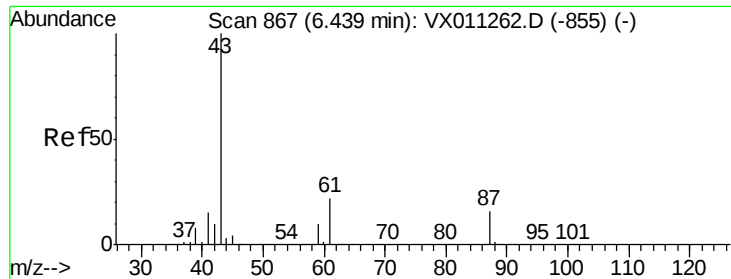
98 0.0 0.0 20.6



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 2.496 ug/l

RT: 6.45 min Scan# 869

Delta R.T. 0.01 min

Lab File: VX011531.D

Acq: 13 Aug 2019 13:20

Instrument :

MSVOA_X

ClientSampleId :

Z3-0671

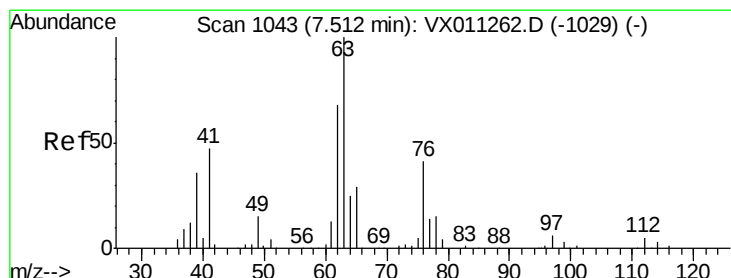
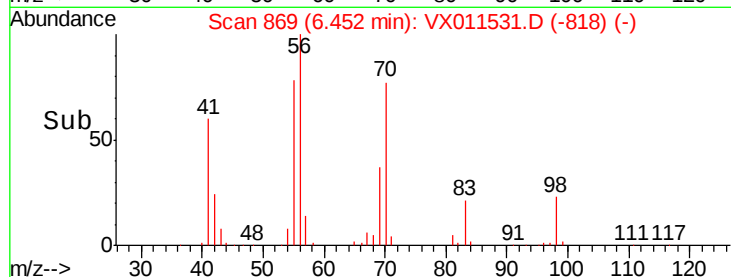
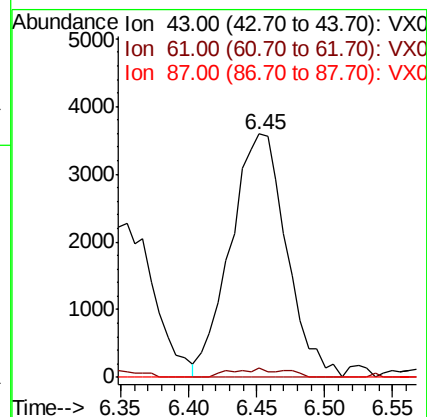
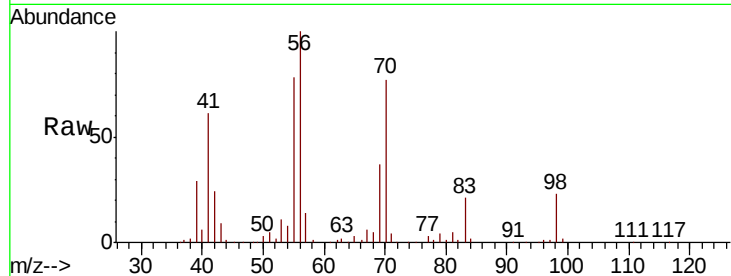
Tgt Ion: 43 Resp: 10294

Ion Ratio Lower Upper

43 100

61 3.6 16.5 24.7#

87 0.0 12.1 18.1#



#45

1,2-Dichloropropane

Concen: 3.786 ug/l

RT: 7.46 min Scan# 1034

Delta R.T. -0.05 min

Lab File: VX011531.D

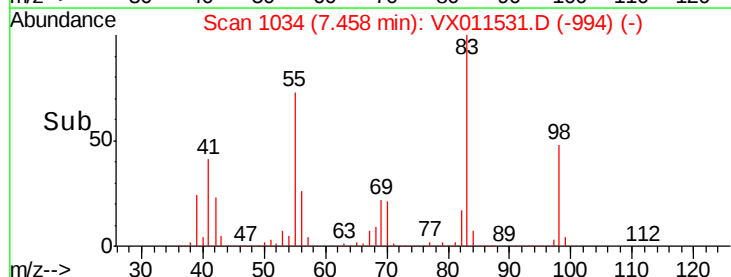
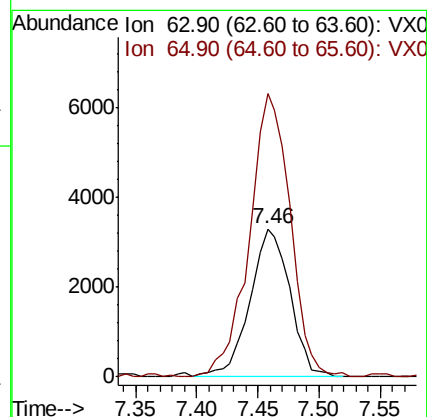
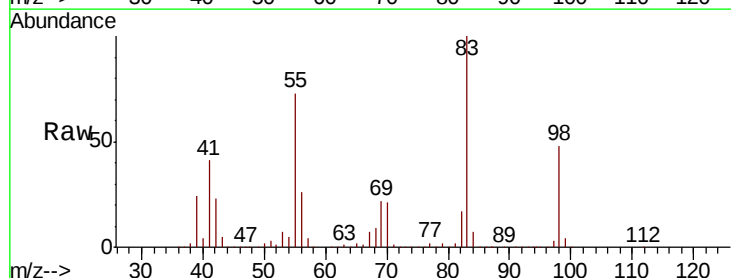
Acq: 13 Aug 2019 13:20

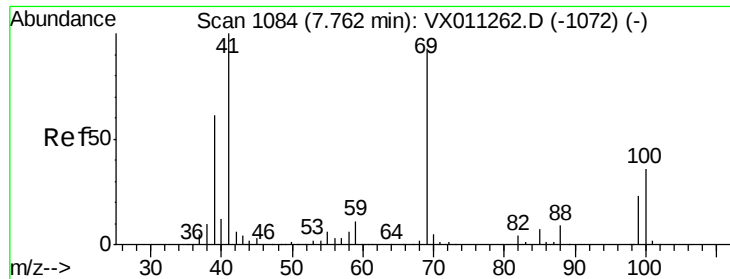
Tgt Ion: 63 Resp: 7525

Ion Ratio Lower Upper

63 100

65 190.8 23.3 34.9#

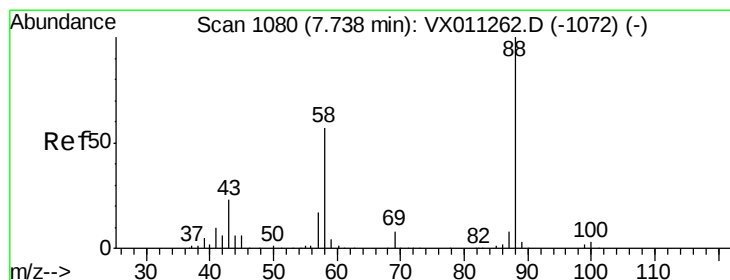
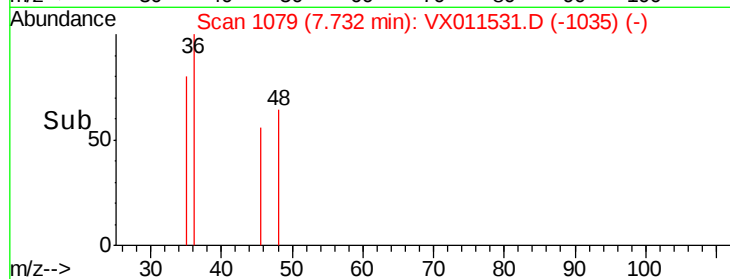
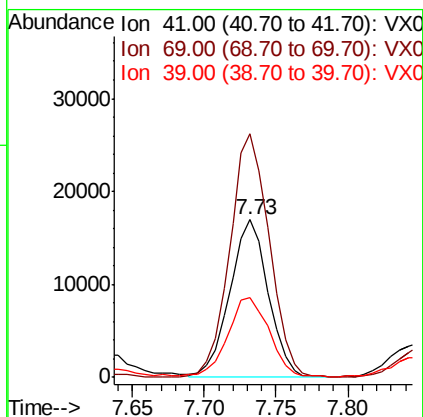
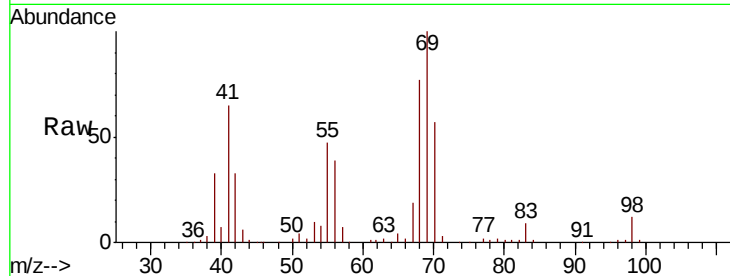




#48
Methyl methacrylate
Concen: 16.109 ug/l
RT: 7.73 min Scan# 1079
Delta R.T. -0.03 min
Lab File: VX011531.D
Acq: 13 Aug 2019 13:20

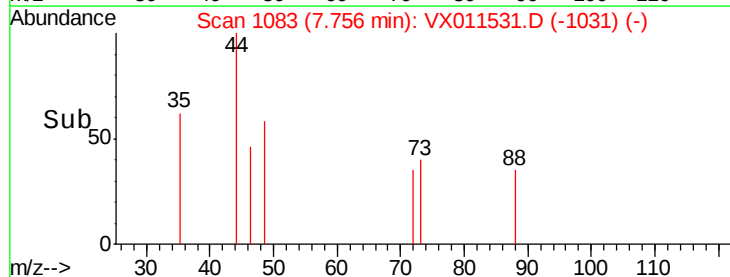
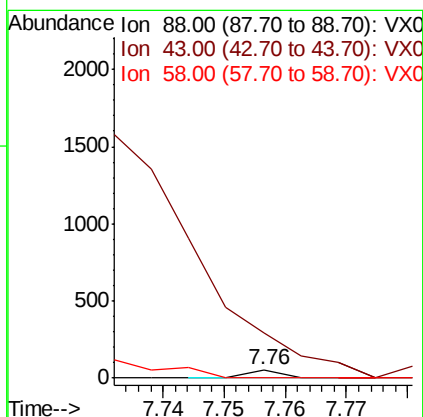
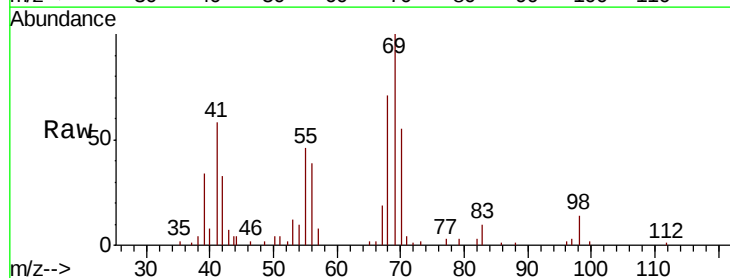
Instrument :
MSVOA_X
ClientSampleId :
Z3-0671

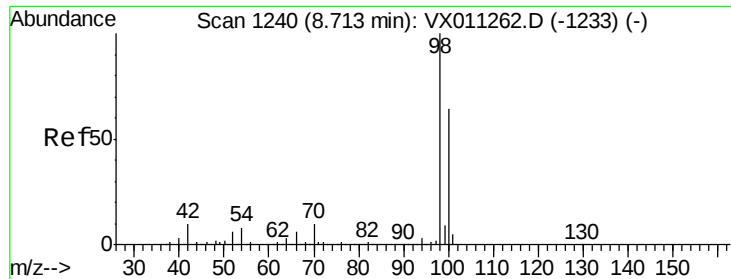
Tgt Ion: 41 Resp: 31271
Ion Ratio Lower Upper
41 100
69 159.2 74.5 111.7#
39 53.9 48.6 72.8



#49
1,4-Dioxane
Concen: 0.355 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. 0.02 min
Lab File: VX011531.D
Acq: 13 Aug 2019 13:20

Tgt Ion: 88 Resp: 20
Ion Ratio Lower Upper
88 100
43 0.0 22.2 33.2#
58 0.0 47.8 71.8#





#50

Toluene-d8

Concen: 48.202 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX011531.D

Acq: 13 Aug 2019 13:20

Instrument :

MSVOA_X

ClientSampleId :

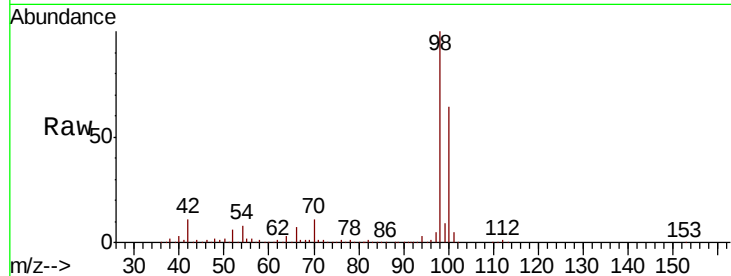
Z3-0671

Tgt Ion: 98 Resp: 349960

Ion Ratio Lower Upper

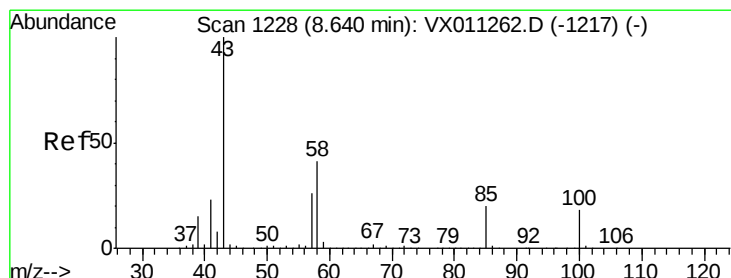
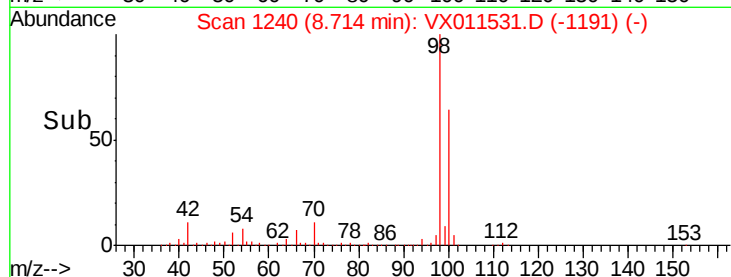
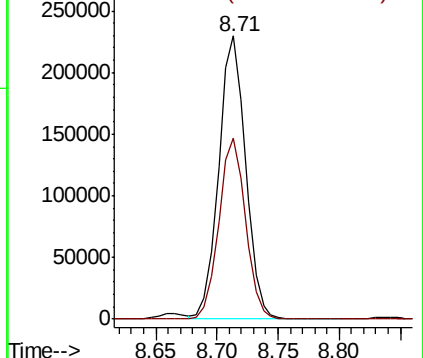
98 100

100 63.9 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0



#51

4-Methyl-2-Pentanone

Concen: 2.566 ug/l

RT: 8.66 min Scan# 1231

Delta R.T. 0.02 min

Lab File: VX011531.D

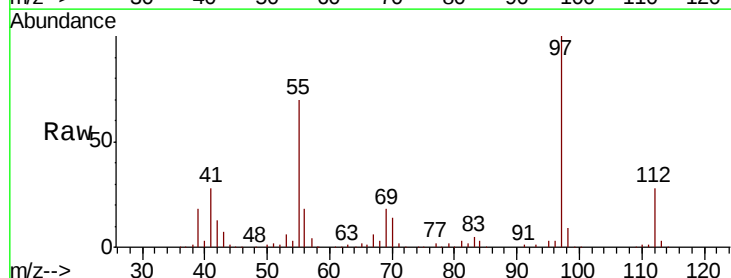
Acq: 13 Aug 2019 13:20

Tgt Ion: 43 Resp: 6830

Ion Ratio Lower Upper

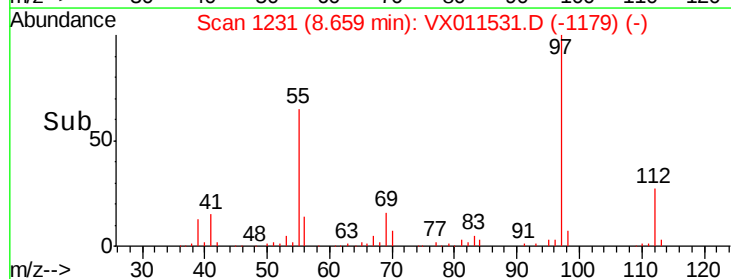
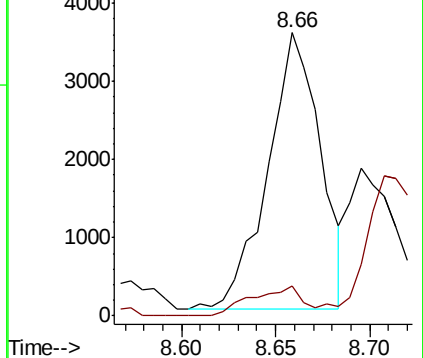
43 100

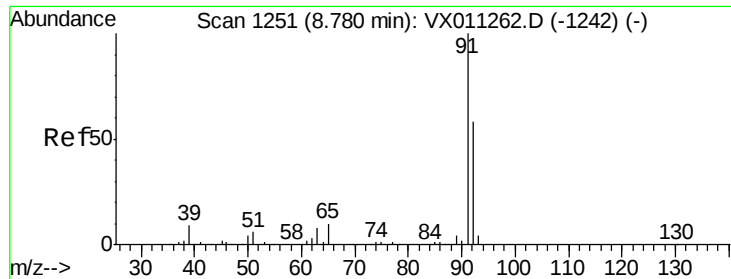
58 10.4 32.3 48.5#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#52

Toluene

Concen: 1.288 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VX011531.D

Acq: 13 Aug 2019 13:20

Instrument :

MSVOA_X

ClientSampleId :

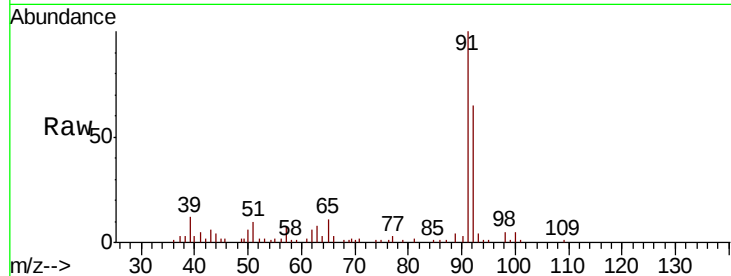
Z3-0671

Tgt Ion: 92 Resp: 6536

Ion Ratio Lower Upper

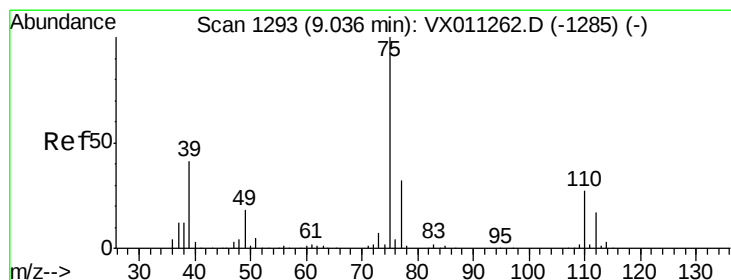
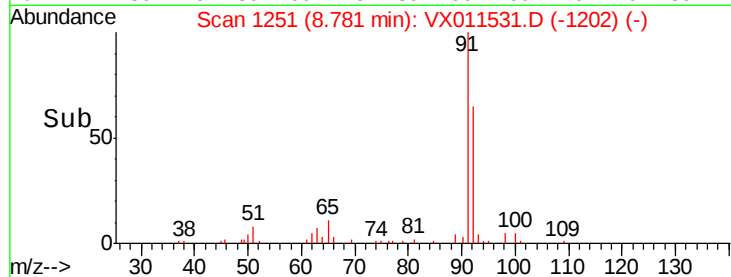
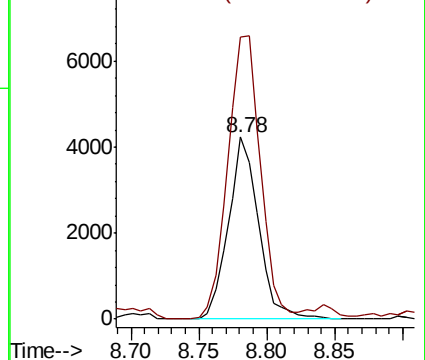
92 100

91 168.8 139.4 209.0



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#53

t-1,3-Dichloropropene

Concen: 2.868 ug/l

RT: 9.04 min Scan# 1293

Delta R.T. 0.00 min

Lab File: VX011531.D

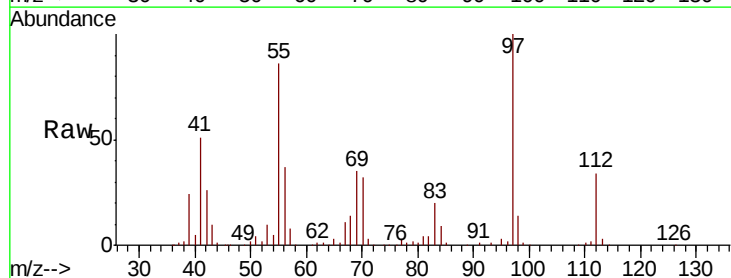
Acq: 13 Aug 2019 13:20

Tgt Ion: 75 Resp: 89

Ion Ratio Lower Upper

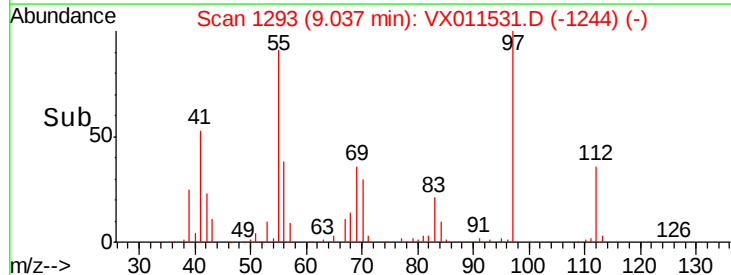
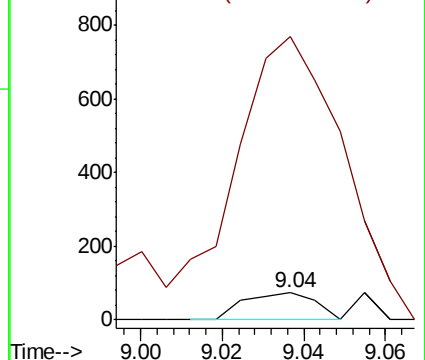
75 100

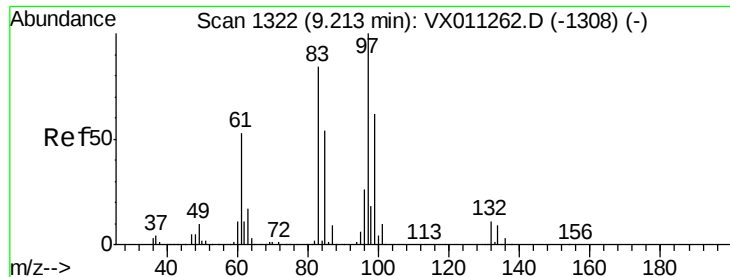
77 817.6 25.4 38.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

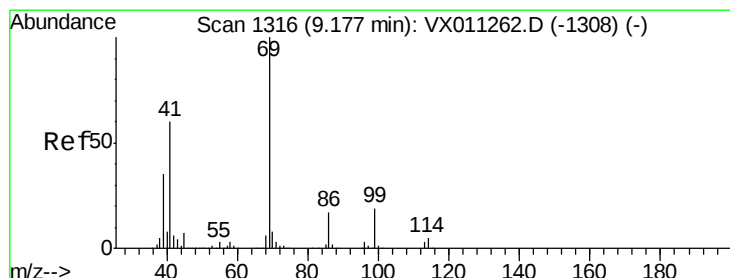
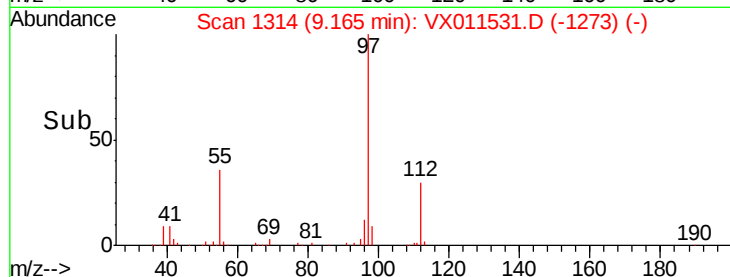
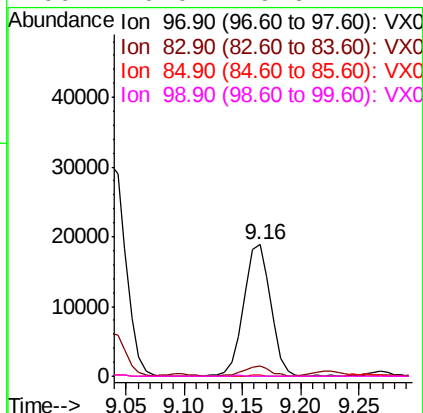
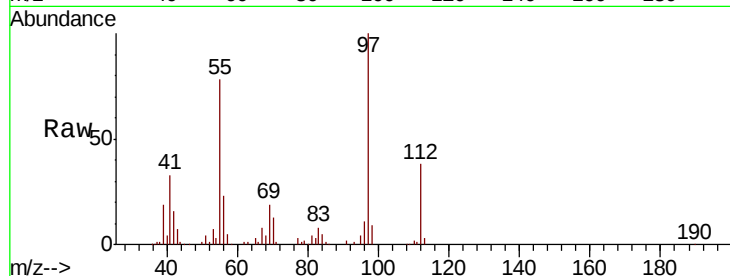




#55
 1,1,2-Trichloroethane
 Concen: 14.706 ug/l
 RT: 9.16 min Scan# 1314
 Delta R.T. -0.05 min
 Lab File: VX011531.D
 Acq: 13 Aug 2019 13:20

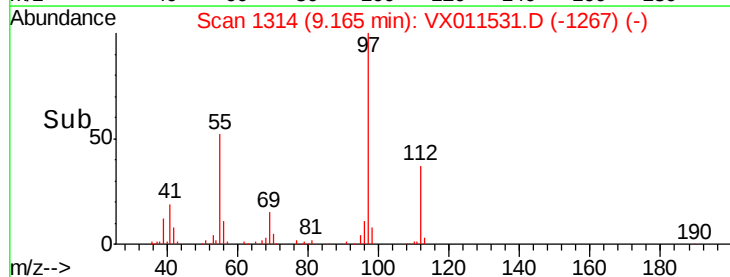
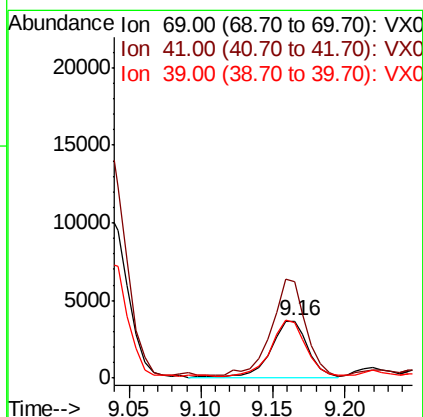
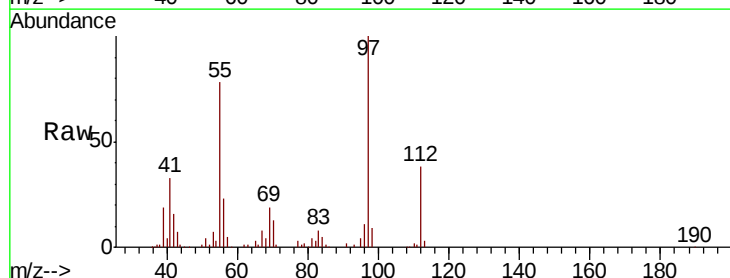
Instrument :
 MSVOA_X
 ClientSampleId :
 Z3-0671

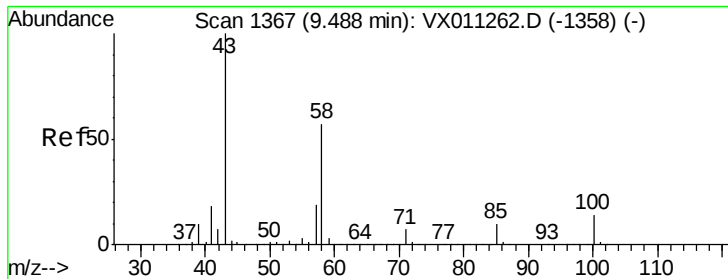
Tgt Ion: 97 Resp: 30684
 Ion Ratio Lower Upper
 97 100
 83 6.5 67.6 101.4#
 85 0.6 43.4 65.0#
 99 0.0 49.6 74.4#



#56
 Ethyl methacrylate
 Concen: 2.273 ug/l
 RT: 9.16 min Scan# 1314
 Delta R.T. -0.01 min
 Lab File: VX011531.D
 Acq: 13 Aug 2019 13:20

Tgt Ion: 69 Resp: 6758
 Ion Ratio Lower Upper
 69 100
 41 151.2 48.6 73.0#
 39 89.8 29.4 44.2#

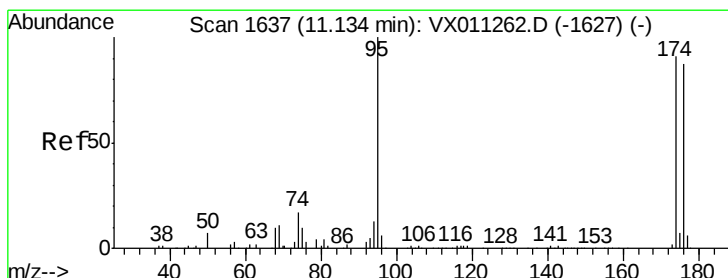
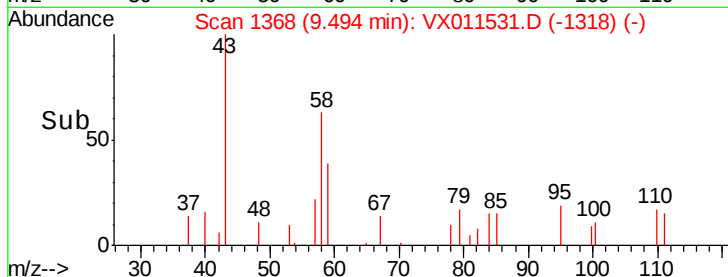
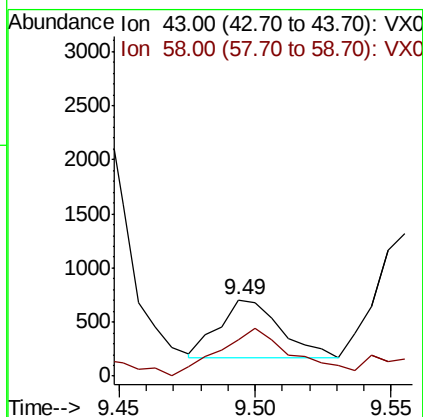
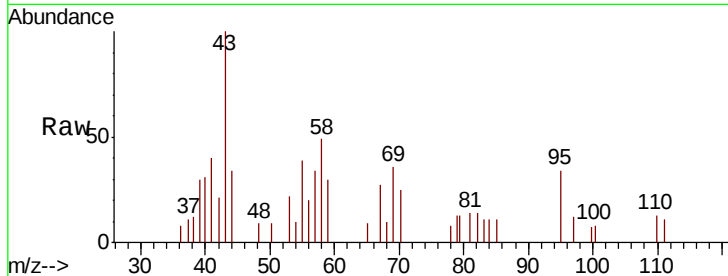




#59
2-Hexanone
Concen: 0.414 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.01 min
Lab File: VX011531.D
Acq: 13 Aug 2019 13:20

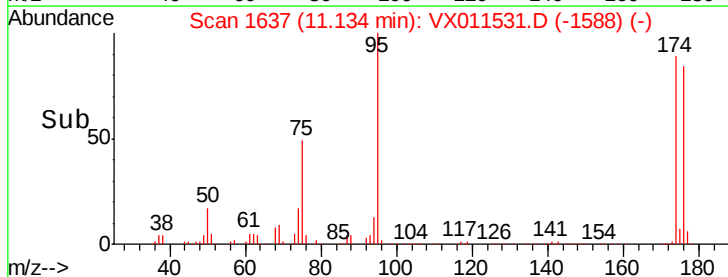
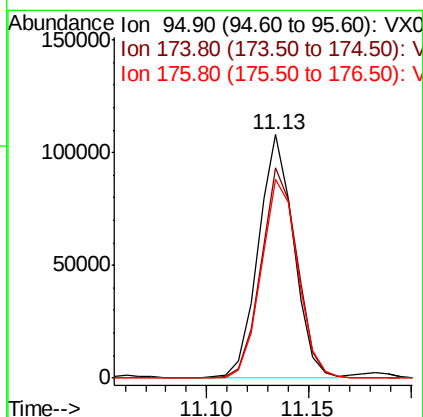
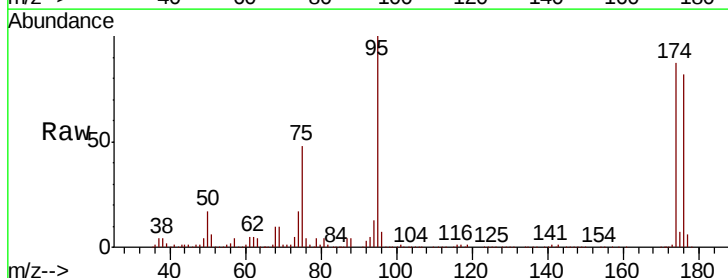
Instrument :
MSVOA_X
ClientSampled :
Z3-0671

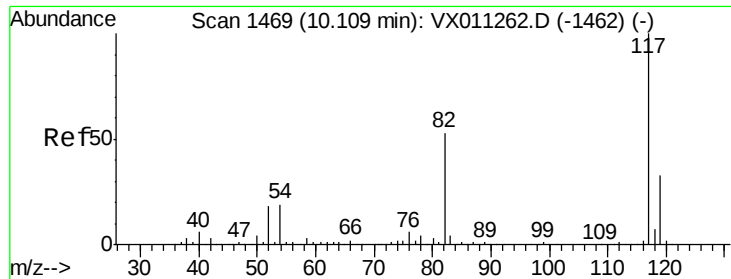
Tgt Ion: 43 Resp: 854
Ion Ratio Lower Upper
43 100
58 97.8 28.2 84.6#



#62
4-Bromofluorobenzene
Concen: 50.062 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX011531.D
Acq: 13 Aug 2019 13:20

Tgt Ion: 95 Resp: 129767
Ion Ratio Lower Upper
95 100
174 89.0 0.0 191.2
176 85.1 0.0 184.8

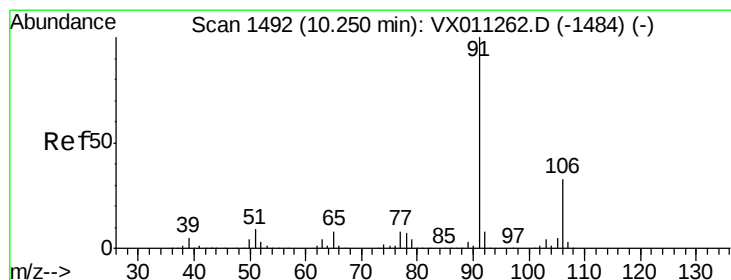
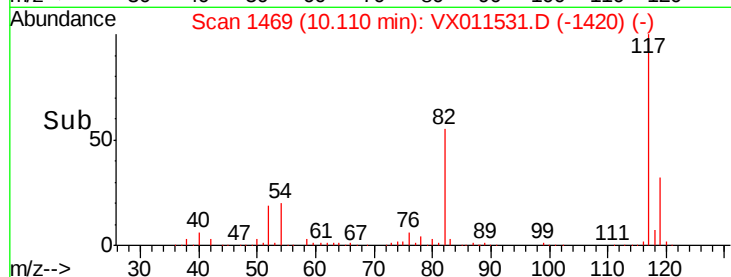
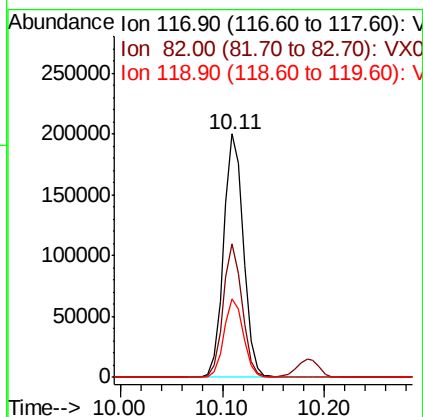
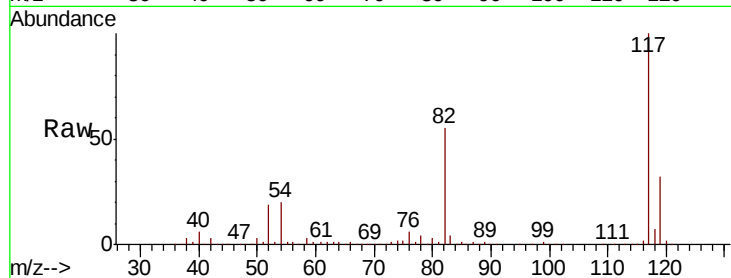




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011531.D
Acq: 13 Aug 2019 13:20

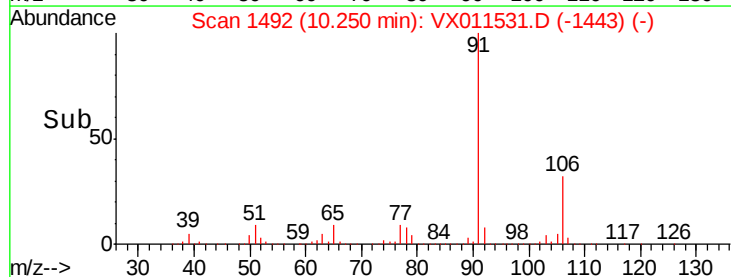
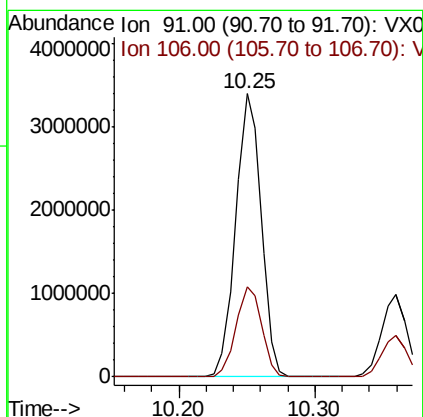
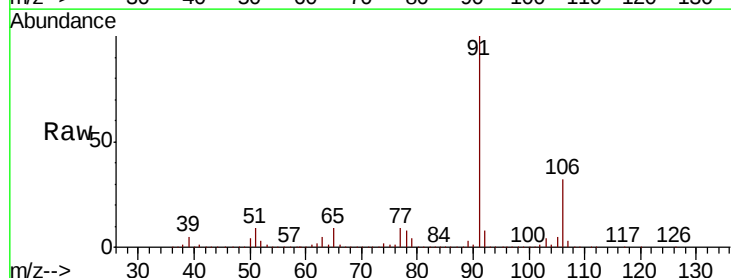
Instrument :
MSVOA_X
ClientSampled :
Z3-0671

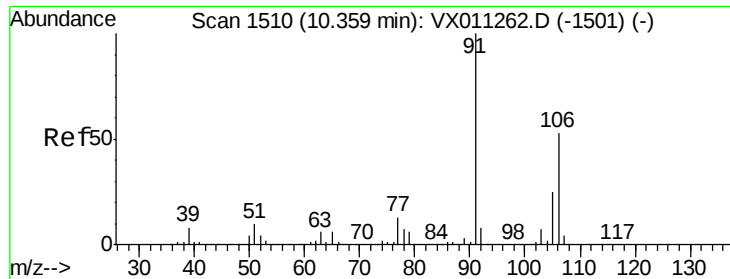
Tgt Ion: 117 Resp: 270079
Ion Ratio Lower Upper
117 100
82 54.8 42.2 63.2
119 32.0 26.6 39.8



#67
Ethyl Benzene
Concen: 457.040 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX011531.D
Acq: 13 Aug 2019 13:20

Tgt Ion: 91 Resp: 4432470
Ion Ratio Lower Upper
91 100
106 32.0 26.2 39.4

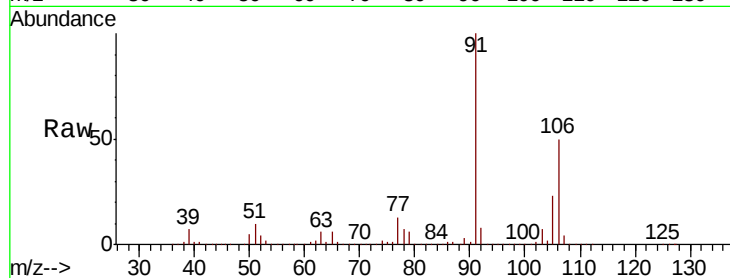




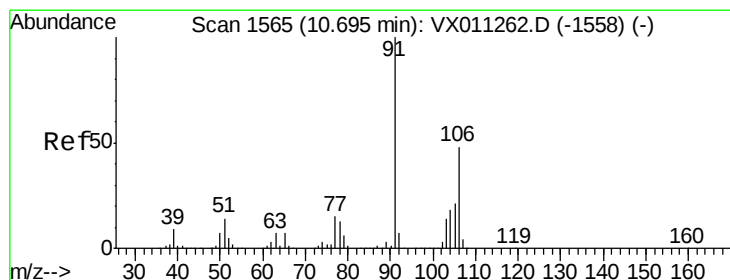
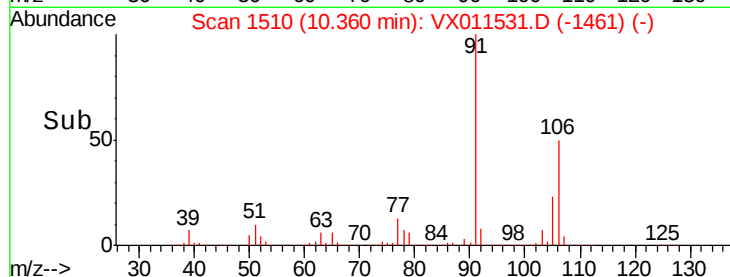
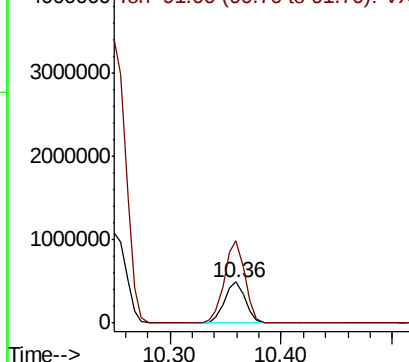
#68
m/p-Xylenes
Concen: 169.224 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX011531.D
Acq: 13 Aug 2019 13:20

Instrument :
MSVOA_X
ClientSampled :
Z3-0671

Tgt Ion:106 Resp: 634803
Ion Ratio Lower Upper
106 100
91 199.2 155.9 233.9

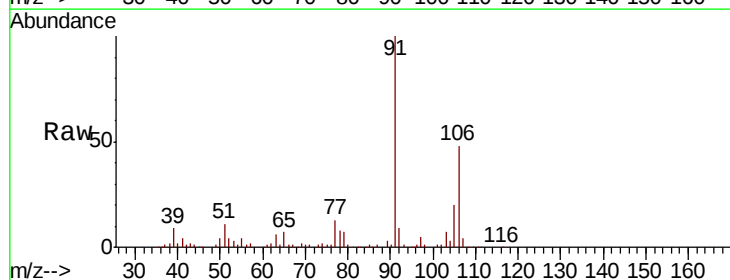


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

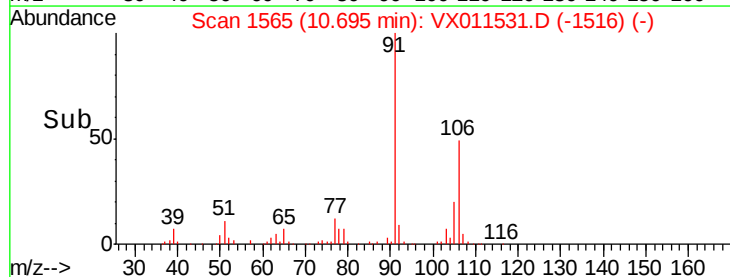
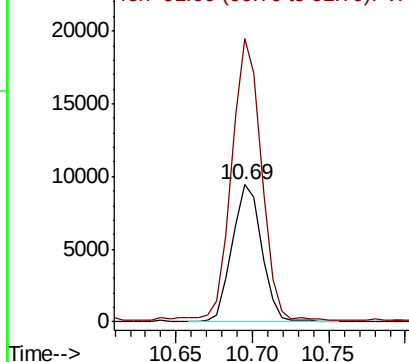


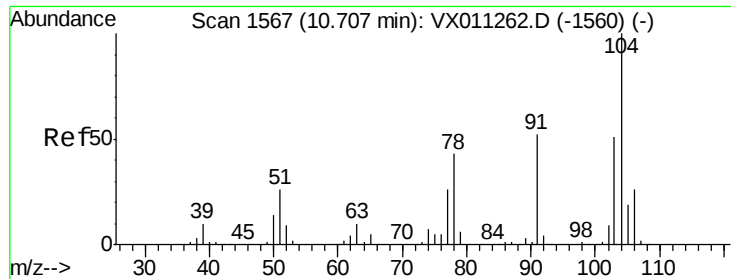
#69
o-Xylene
Concen: 3.451 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX011531.D
Acq: 13 Aug 2019 13:20

Tgt Ion:106 Resp: 12719
Ion Ratio Lower Upper
106 100
91 206.6 103.8 311.3



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

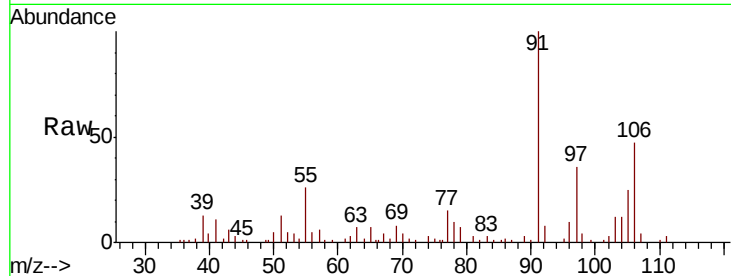




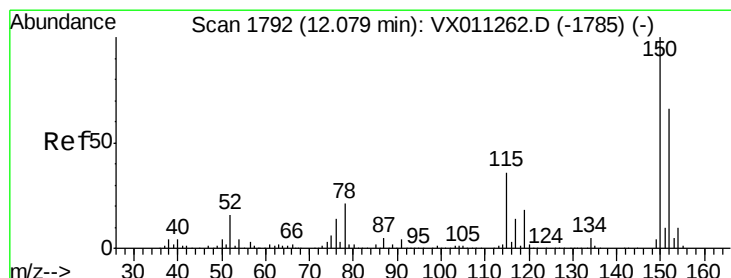
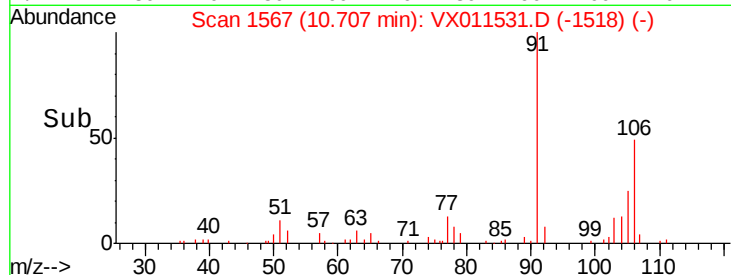
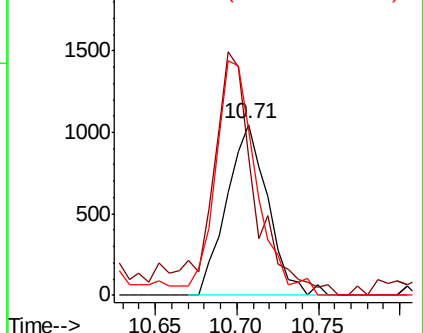
#70
Styrene
Concen: 0.303 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX011531.D
Acq: 13 Aug 2019 13:20

Instrument :
MSVOA_X
ClientSampled :
Z3-0671

Tgt Ion:104 Resp: 1849
Ion Ratio Lower Upper
104 100
78 150.8 36.9 55.3#
103 136.4 44.4 66.6#

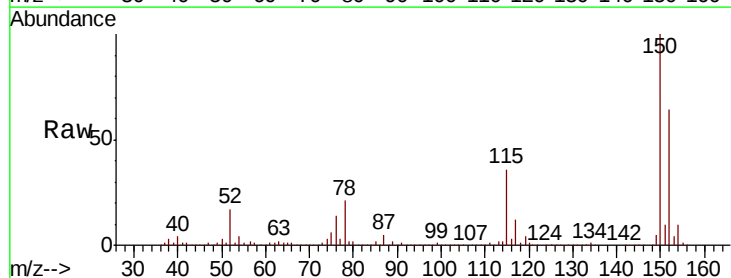


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V

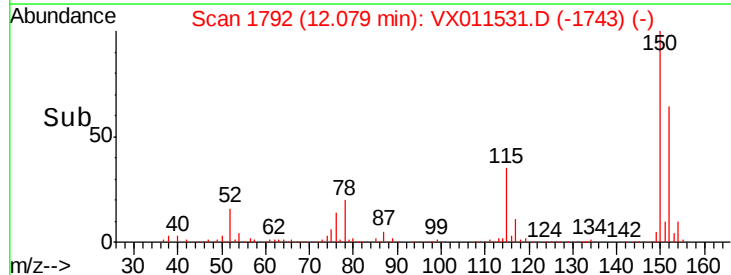
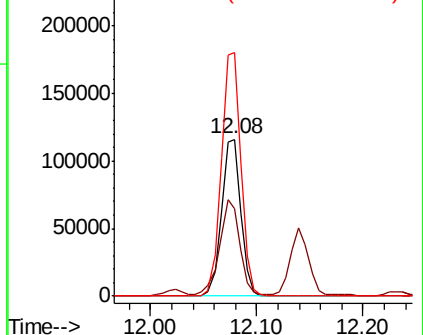


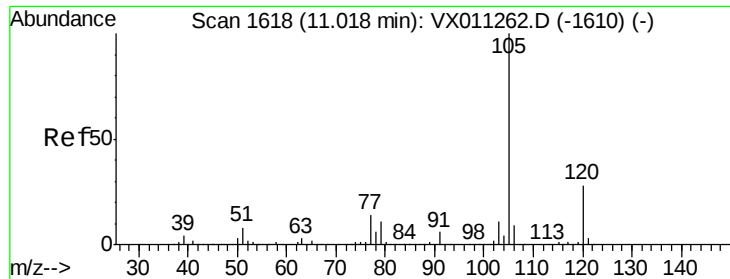
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX011531.D
Acq: 13 Aug 2019 13:20

Tgt Ion:152 Resp: 146746
Ion Ratio Lower Upper
152 100
115 63.4 40.0 119.9
150 156.9 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: 44.758 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX011531.D

Acq: 13 Aug 2019 13:20

Instrument :

MSVOA_X

ClientSampleId :

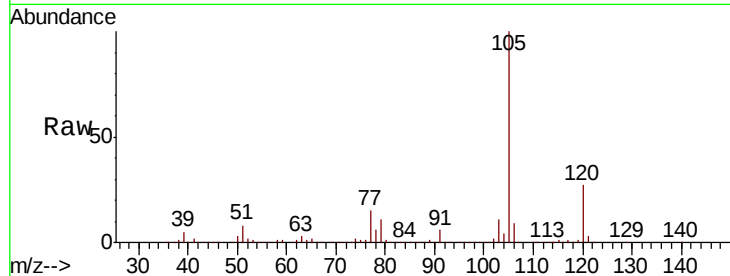
Z3-0671

Tgt Ion:105 Resp: 449208

Ion Ratio Lower Upper

105 100

120 27.0 13.7 41.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

400000

300000

200000

100000

0

11.02

11.01

11.00

10.99

10.98

10.97

10.96

10.95

10.94

10.93

10.92

10.91

10.90

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9.95

9.94

9.93

9.92

9.91

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9.89

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9.86

9.85

9.84

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9.80

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9.74

9.73

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9.70

9.69

9.68

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9.04

9.03

9.02

9.01

9.00

8.99

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8.90

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8.62

8.61

8.60

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8.48

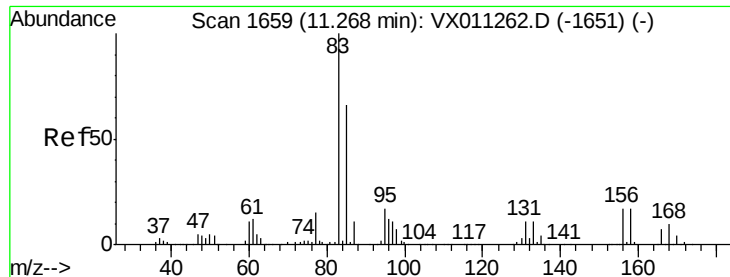
8.47

8.46

8.45

8.44

8.43



#75

1,1,2,2-Tetrachloroethane

Concen: 0.642 ug/l

RT: 11.28 min Scan# 1661

Delta R.T. 0.01 min

Lab File: VX011531.D

Acq: 13 Aug 2019 13:20

Instrument :

MSVOA_X

ClientSampleId :

Z3-0671

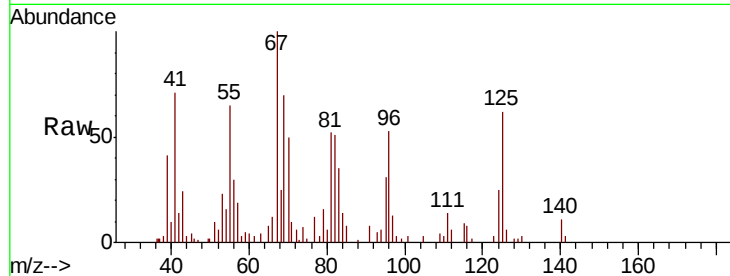
Tgt Ion: 83 Resp: 2146

Ion Ratio Lower Upper

83 100

131 16.6 5.6 16.8

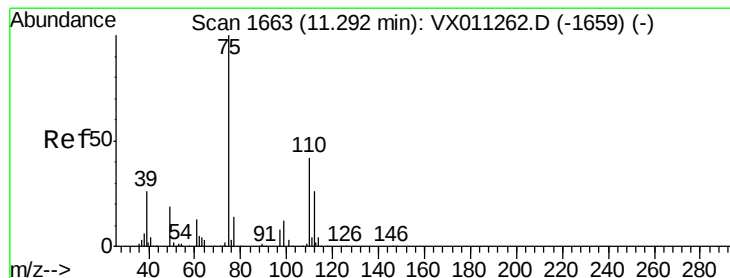
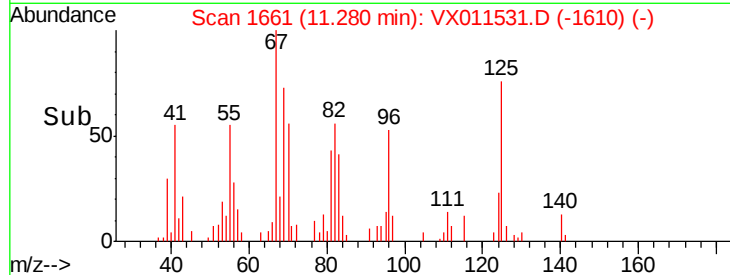
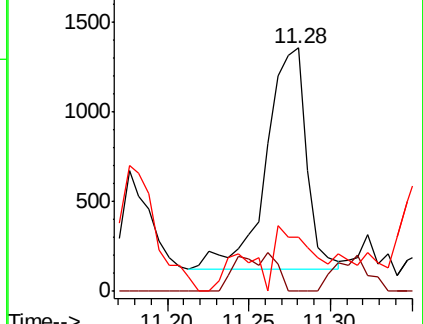
85 26.5 32.1 96.5#



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: 1.434 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.07 min

Lab File: VX011531.D

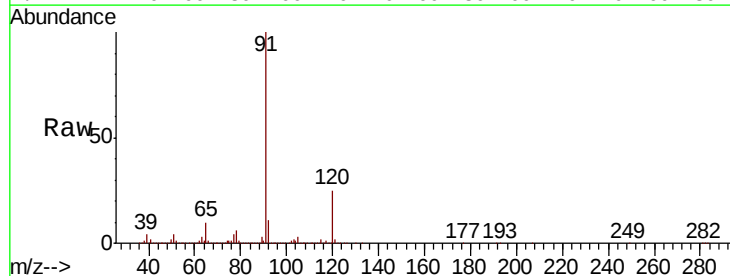
Acq: 13 Aug 2019 13:20

Tgt Ion: 75 Resp: 3831

Ion Ratio Lower Upper

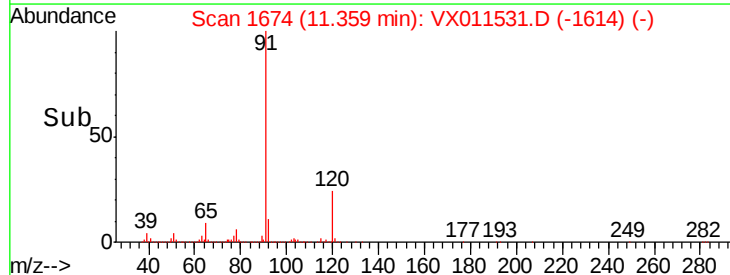
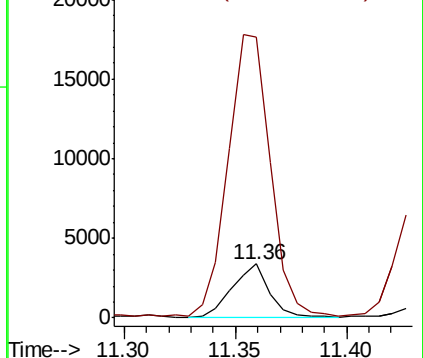
75 100

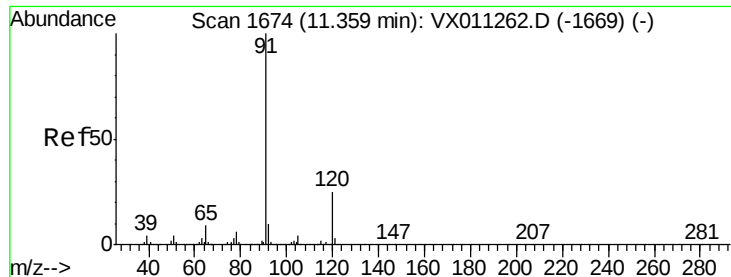
77 609.8 21.1 63.4#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#78

n-propylbenzene

Concen: 53.819 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX011531.D

Acq: 13 Aug 2019 13:20

Instrument :

MSVOA_X

ClientSampled :

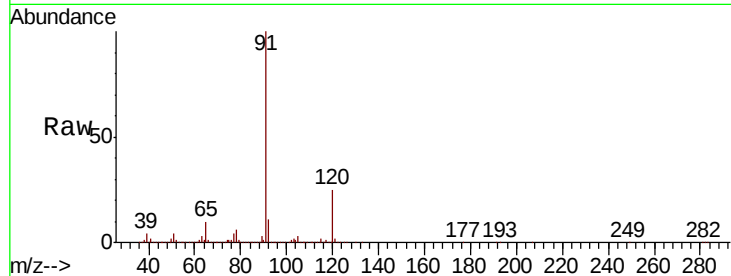
Z3-0671

Tgt Ion: 91 Resp: 600678

Ion Ratio Lower Upper

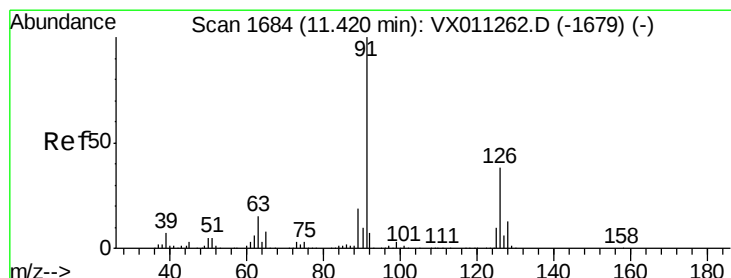
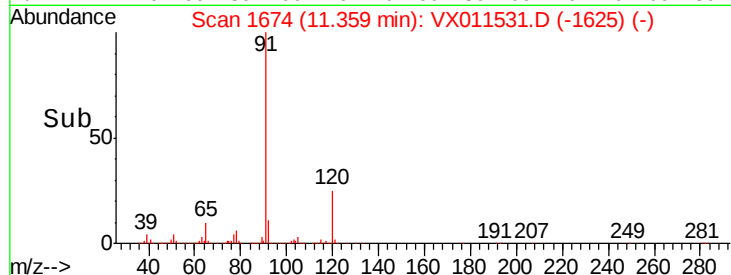
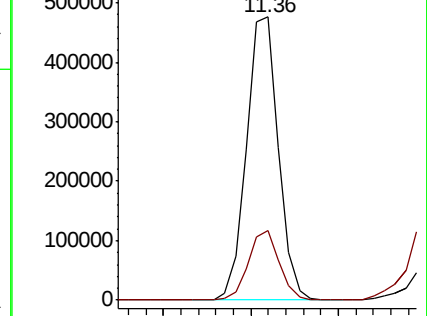
91 100

120 23.8 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: 12.689 ug/l

RT: 11.45 min Scan# 1689

Delta R.T. 0.03 min

Lab File: VX011531.D

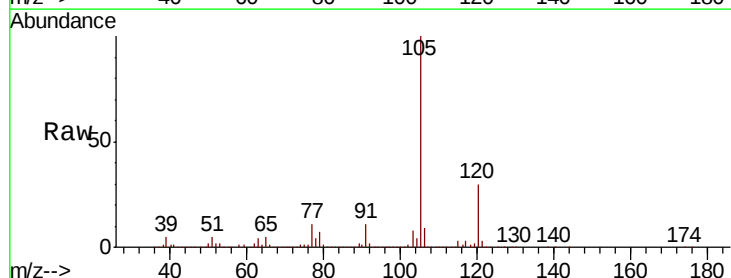
Acq: 13 Aug 2019 13:20

Tgt Ion: 91 Resp: 84409

Ion Ratio Lower Upper

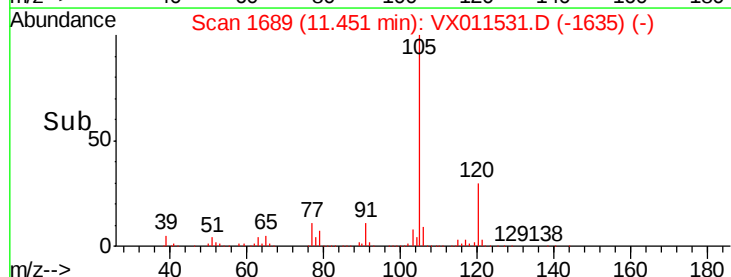
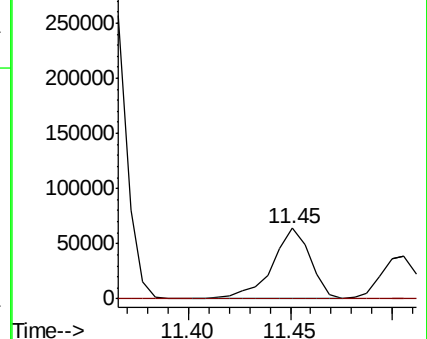
91 100

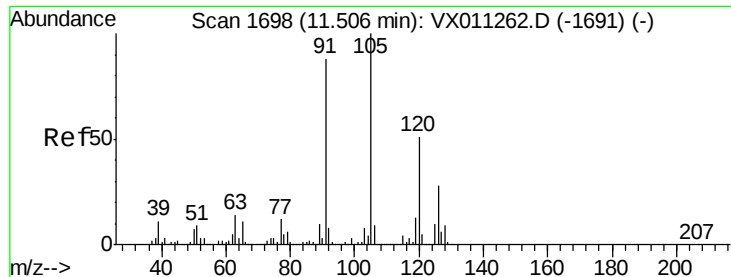
126 0.0 18.5 55.5#



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

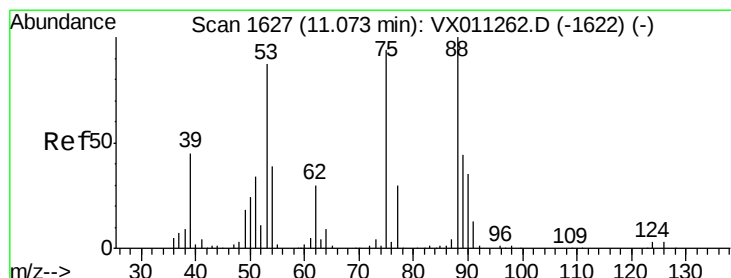
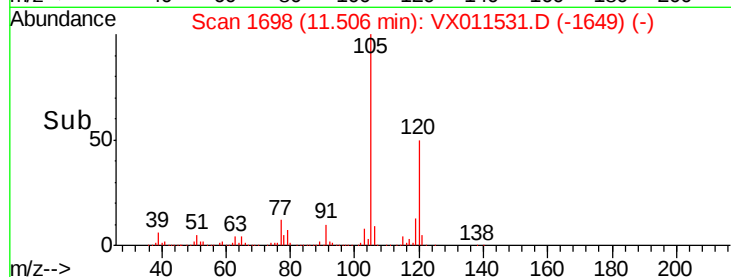
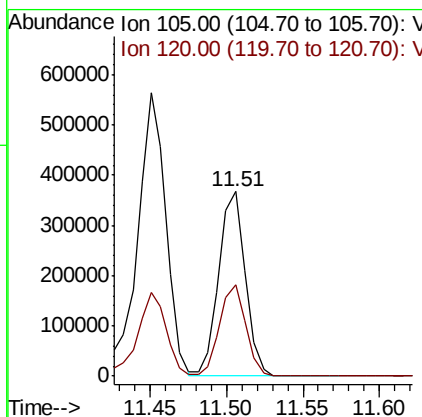
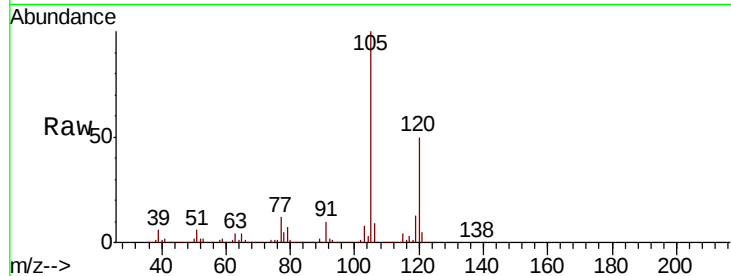




#80
 1,3,5-Trimethylbenzene
 Concen: 52.643 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX011531.D
 Acq: 13 Aug 2019 13:20

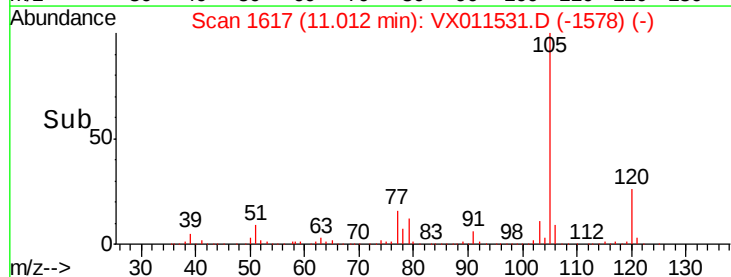
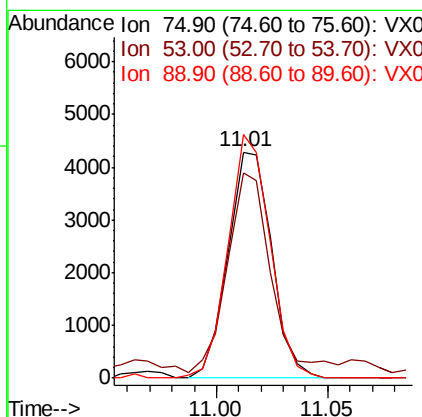
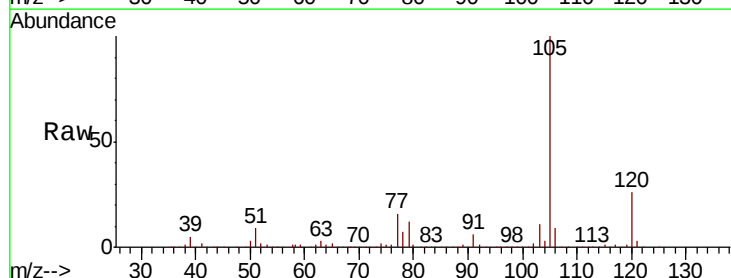
Instrument :
 MSVOA_X
 ClientSampled :
 Z3-0671

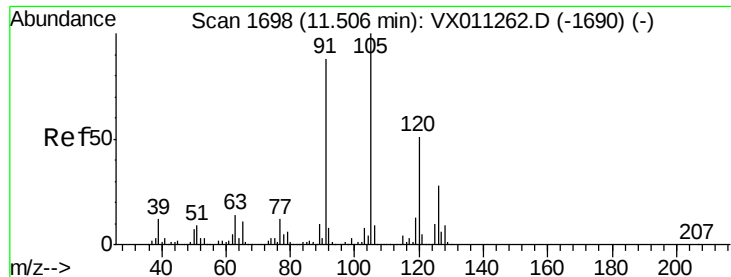
Tgt Ion:105 Resp: 442280
 Ion Ratio Lower Upper
 105 100
 120 49.3 25.1 75.2



#81
 trans-1,4-Dichloro-2-butene
 Concen: 9.846 ug/l
 RT: 11.01 min Scan# 1617
 Delta R.T. -0.06 min
 Lab File: VX011531.D
 Acq: 13 Aug 2019 13:20

Tgt Ion: 75 Resp: 5852
 Ion Ratio Lower Upper
 75 100
 53 88.2 78.2 117.4
 89 103.1 37.9 56.9#

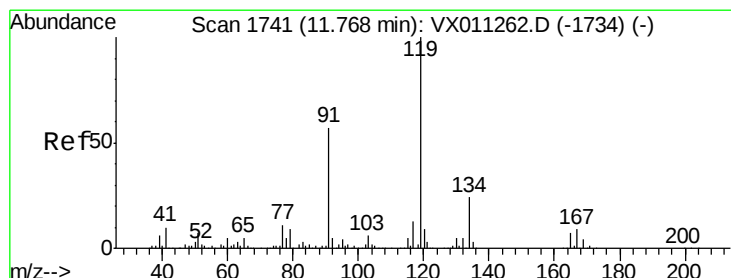
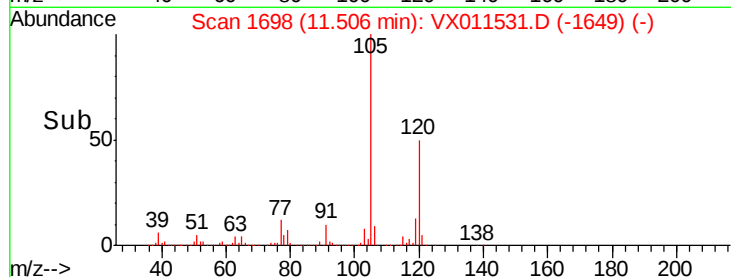
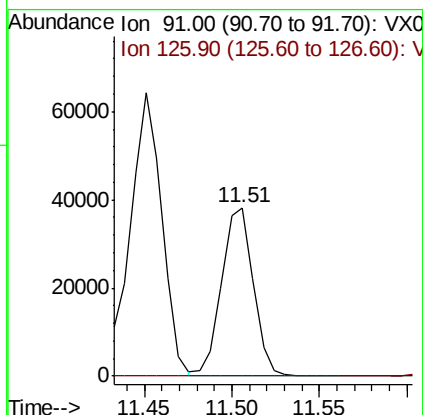
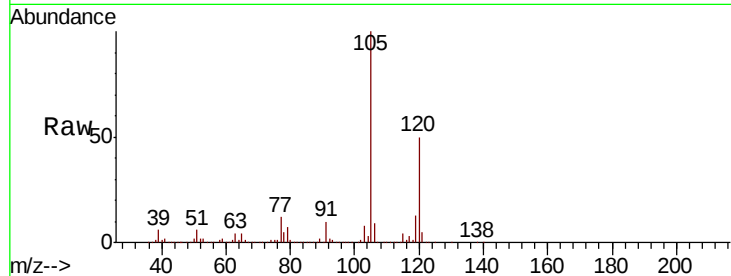




#82
4-Chlorotoluene
Concen: 6.166 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. 0.00 min
Lab File: VX011531.D
Acq: 13 Aug 2019 13:20

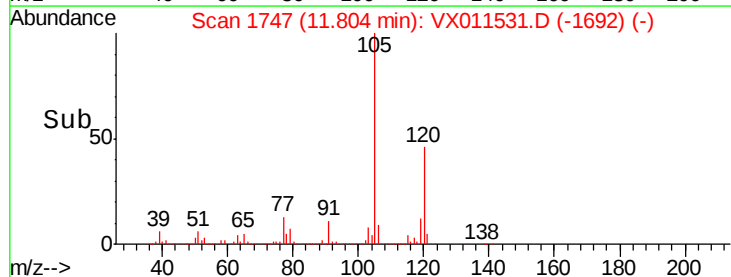
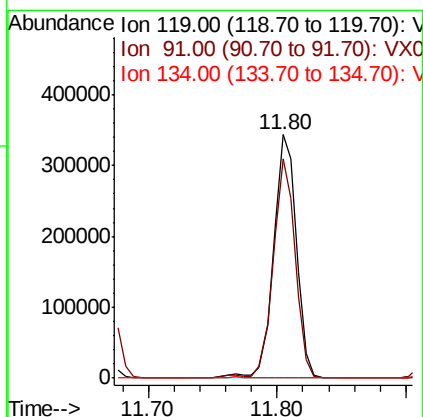
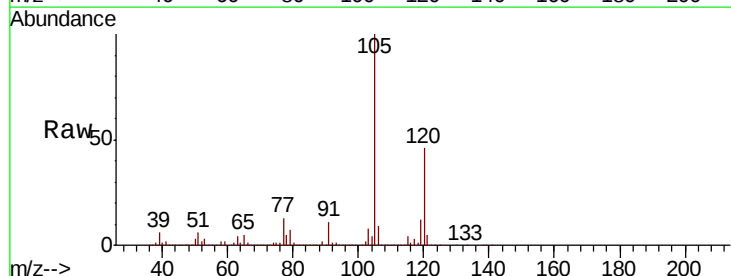
Instrument :
MSVOA_X
ClientSampleId :
Z3-0671

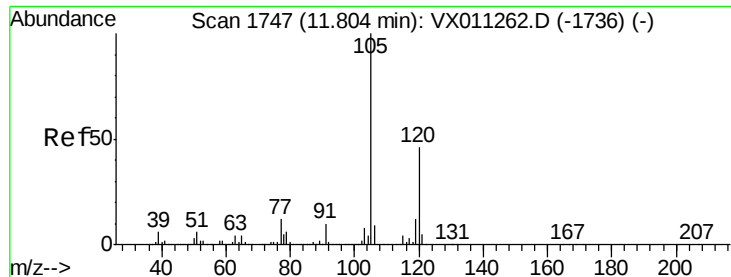
Tgt Ion: 91 Resp: 47804
Ion Ratio Lower Upper
91 100
126 0.0 16.4 49.2#



#83
tert-Butylbenzene
Concen: 52.065 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.04 min
Lab File: VX011531.D
Acq: 13 Aug 2019 13:20

Tgt Ion: 119 Resp: 429013
Ion Ratio Lower Upper
119 100
91 87.0 28.0 84.0#
134 0.0 11.9 35.5#





#84

1,2,4-Trimethylbenzene

Concen: 412.982 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX011531.D

Acq: 13 Aug 2019 13:20

Instrument :

MSVOA_X

ClientSampleId :

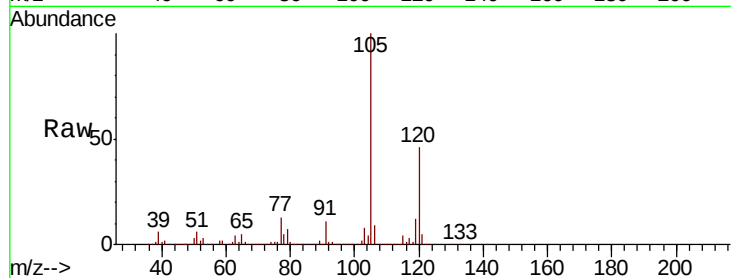
Z3-0671

Tgt Ion:105 Resp: 3454503

Ion Ratio Lower Upper

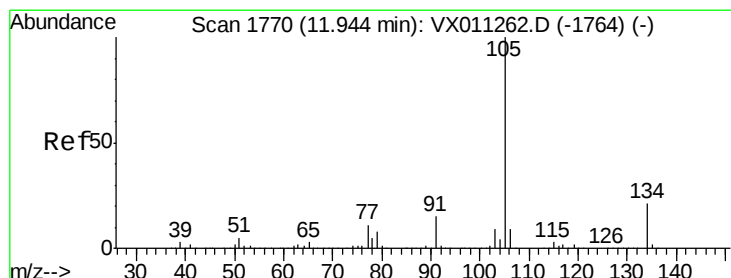
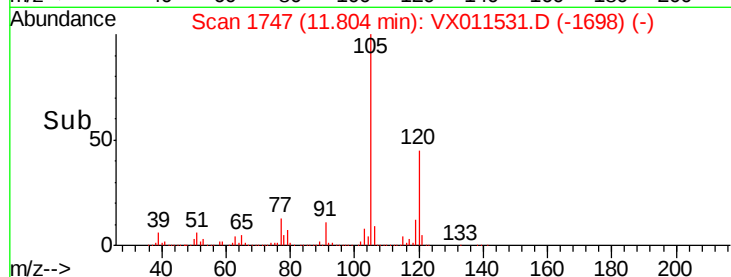
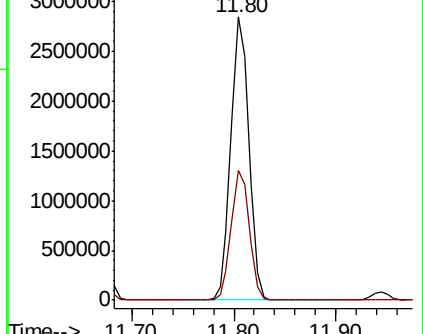
105 100

120 46.0 23.0 69.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#85

sec-Butylbenzene

Concen: 348.901 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. -0.14 min

Lab File: VX011531.D

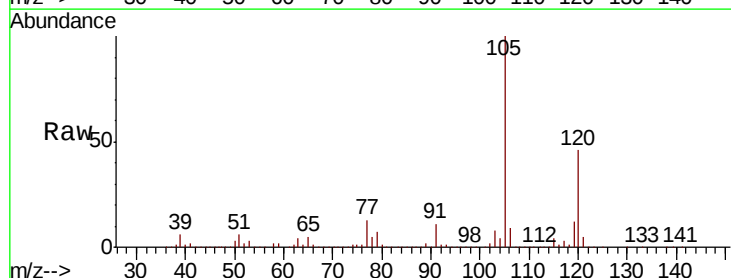
Acq: 13 Aug 2019 13:20

Tgt Ion:105 Resp: 3454126

Ion Ratio Lower Upper

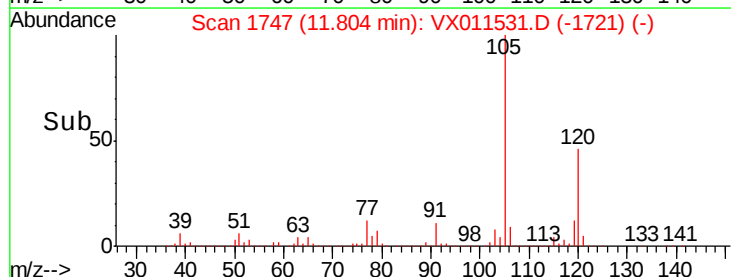
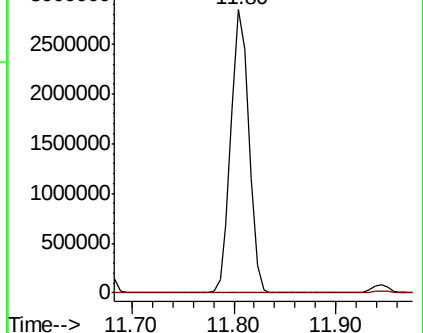
105 100

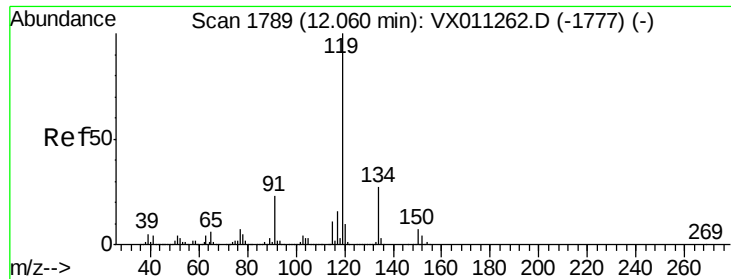
134 0.0 10.4 31.4#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

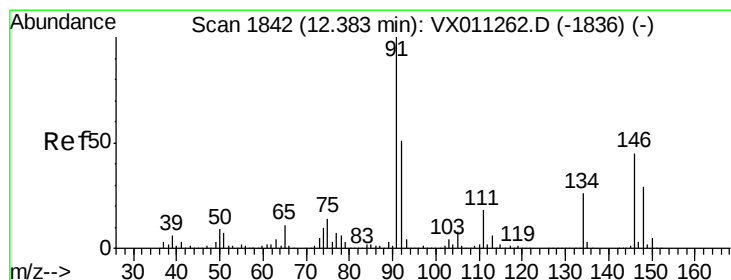
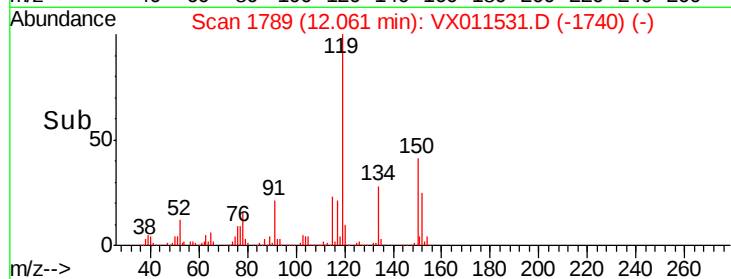
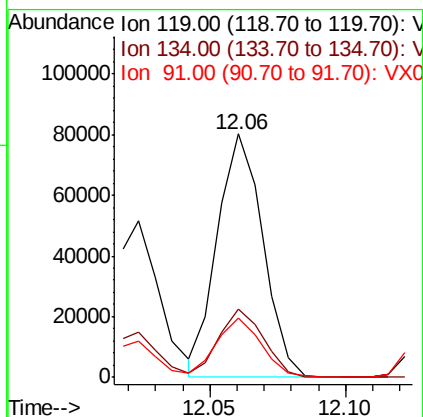
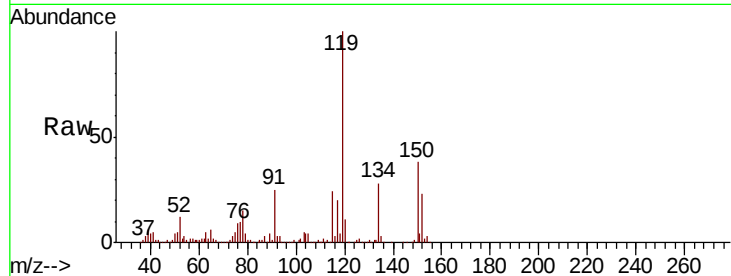




#86
p-Isopropyltoluene
Concen: 10.222 ug/l
RT: 12.06 min Scan# 1789
Delta R.T. 0.00 min
Lab File: VX011531.D
Acq: 13 Aug 2019 13:20

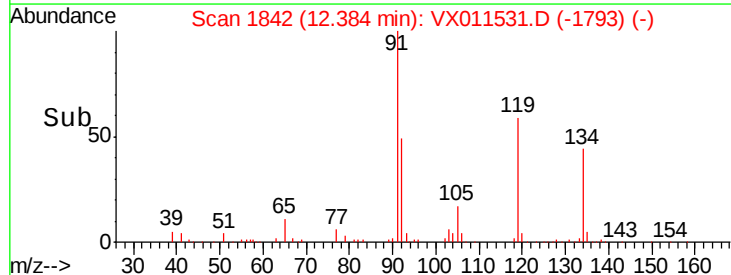
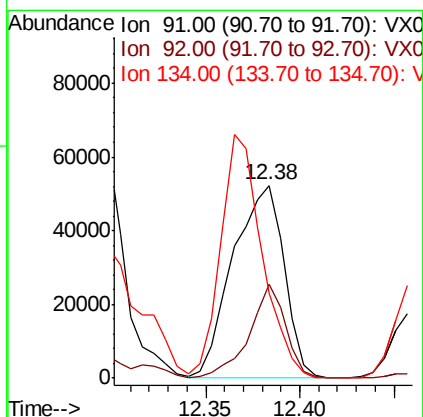
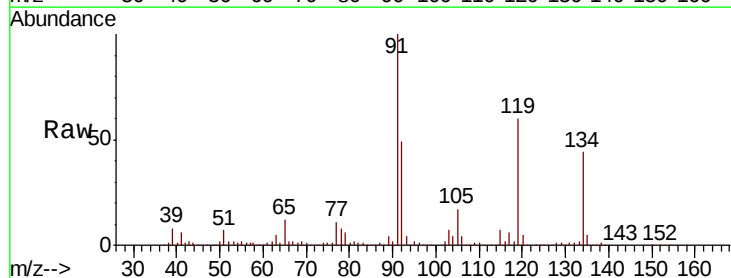
Instrument :
MSVOA_X
ClientSampleId :
Z3-0671

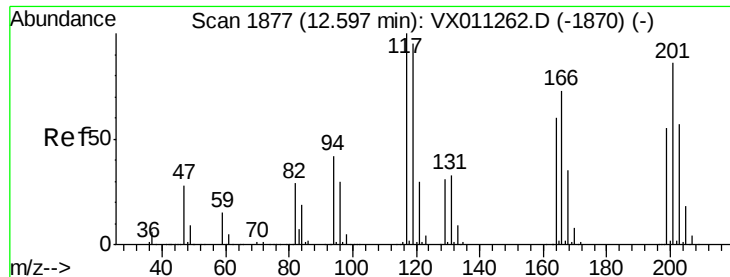
Tgt Ion: 119 Resp: 93099
Ion Ratio Lower Upper
119 100
134 27.9 13.7 41.0
91 23.7 11.4 34.2



#89
n-Butylbenzene
Concen: 12.409 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX011531.D
Acq: 13 Aug 2019 13:20

Tgt Ion: 91 Resp: 97367
Ion Ratio Lower Upper
91 100
92 35.0 25.8 77.3
134 102.9 13.7 41.0#





#90

Hexachloroethane

Concen: 20.404 ug/l

RT: 12.58 min Scan# 1875

Delta R.T. -0.01 min

Lab File: VX011531.D

Acq: 13 Aug 2019 13:20

Instrument :

MSVOA_X

ClientSampled :

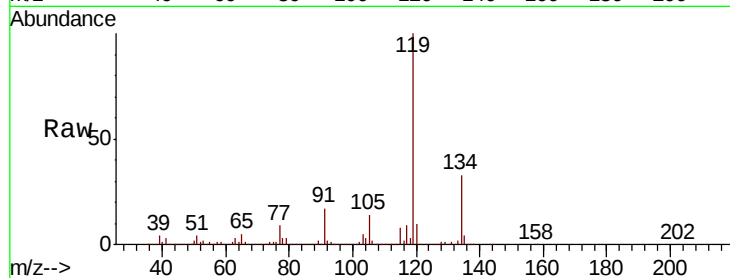
Z3-0671

Tgt Ion:117 Resp: 27474

Ion Ratio Lower Upper

117 100

201 0.0 41.8 125.4#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

25000

20000

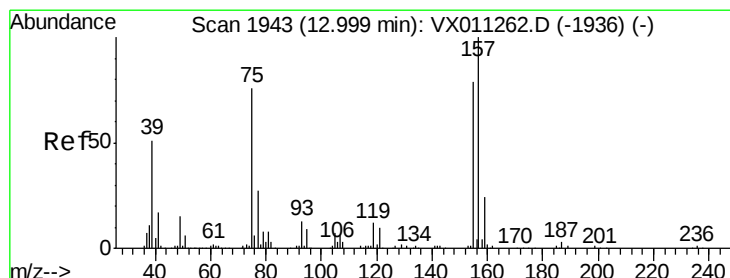
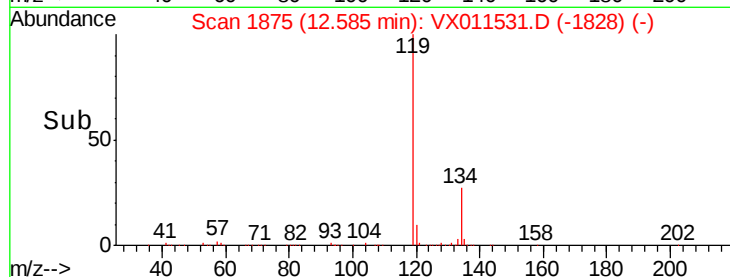
15000

10000

5000

0

Time-->



#92

1,2-Dibromo-3-Chloropropane

Concen: 3.540 ug/l

RT: 13.02 min Scan# 1946

Delta R.T. 0.02 min

Lab File: VX011531.D

Acq: 13 Aug 2019 13:20

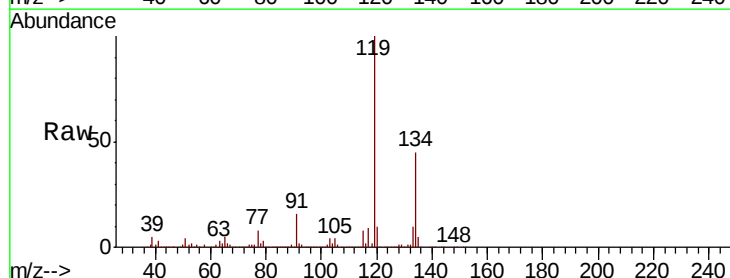
Tgt Ion: 75 Resp: 2294

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

2500

2000

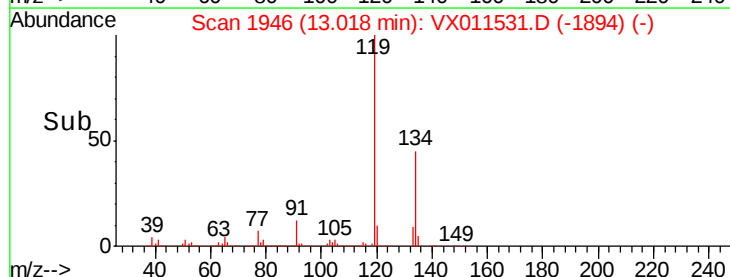
1500

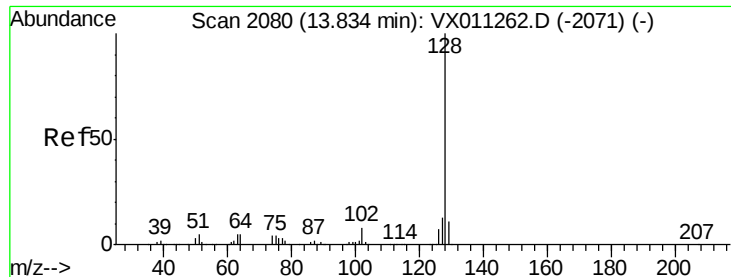
1000

500

0

Time-->





#95
 Naphthalene
 Concen: 68.734 ug/l
 RT: 13.83 min Scan# 2079
 Delta R.T. -0.01 min
 Lab File: VX011531.D
 Acq: 13 Aug 2019 13:20

Instrument :
 MSVOA_X
 ClientSampleId :
 Z3-0671

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.4	15.6
129	11.4	8.9	13.3

