

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX081319\
 Data File : VX011533.D
 Acq On : 13 Aug 2019 14:07
 Operator : JC/SP
 Sample : K4279-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 Z3-0672

Quant Time: Aug 14 01:06:27 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	205412	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	307065	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	276601	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	152916	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	111338	53.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.64%	
35) Dibromofluoromethane	5.49	113	90570	45.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.36%	
50) Toluene-d8	8.71	98	362094	47.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.70%	
62) 4-Bromofluorobenzene	11.13	95	136434	50.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.00%	

Target Compounds

					Qvalue	
3) Chloromethane	1.32	50	490	0.275	ug/l #	72
6) Chloroethane	1.70	64	227	Below Cal		90
11) Tert butyl alcohol	3.03	59	494	1.220	ug/l #	72
13) Acrolein	2.39	56	10173	39.328	ug/l	84
14) Allyl chloride	2.84	41	37948	15.231	ug/l #	69
15) Acrylonitrile	3.17	53	15610	15.858	ug/l #	39
16) Acetone	2.43	43	10913	11.083	ug/l	93
18) Methyl Acetate	2.84	43	93355	41.489	ug/l #	49
20) Methylene Chloride	2.84	84	505	0.234	ug/l #	1
25) 2-Butanone	4.68	43	4707	3.361	ug/l	93
26) 2,2-Dichloropropane	4.40	77	7156	2.851	ug/l #	50
29) Tetrahydrofuran	5.15	42	265	0.309	ug/l #	29
30) Chloroform	5.28	83	2217	0.632	ug/l	93
31) Cyclohexane	5.58	56	794274	298.157	ug/l	99
36) 1,1-Dichloropropene	5.65	75	14217	5.303	ug/l #	48
38) Carbon Tetrachloride	5.66	117	19346	7.173	ug/l #	15
39) Methylcyclohexane	7.46	83	734360	231.088	ug/l	98
40) Benzene	6.14	78	1654228	206.773	ug/l	97
41) Methacrylonitrile	5.06	41	570	0.388	ug/l #	23
42) 1,2-Dichloroethane	6.13	62	15179	5.611	ug/l #	72
43) Isopropyl Acetate	6.45	43	10857	2.525	ug/l #	65
45) 1,2-Dichloropropane	7.46	63	7329	3.537	ug/l #	1
47) Bromodichloromethane	7.85	83	1425	0.556	ug/l #	1
48) Methyl methacrylate	7.73	41	32801	16.211	ug/l #	51
49) 1,4-Dioxane	7.85	88	21	0.358	ug/l #	1
51) 4-Methyl-2-Pentanone	8.66	43	6997	2.522	ug/l #	35
52) Toluene	8.78	92	6230	1.178	ug/l	97
53) t-1,3-Dichloropropene	9.02	75	22	2.845	ug/l #	1
55) 1,1,2-Trichloroethane	9.16	97	31562	14.513	ug/l #	20
56) Ethyl methacrylate	9.16	69	6428	2.074	ug/l #	1
59) 2-Hexanone	9.49	43	842	0.392	ug/l #	58
67) Ethyl Benzene	10.25	91	4261944	429.095	ug/l	100
68) m/p-Xylenes	10.36	106	601362	156.530	ug/l	96
69) o-Xylene	10.69	106	12507	3.313	ug/l	97

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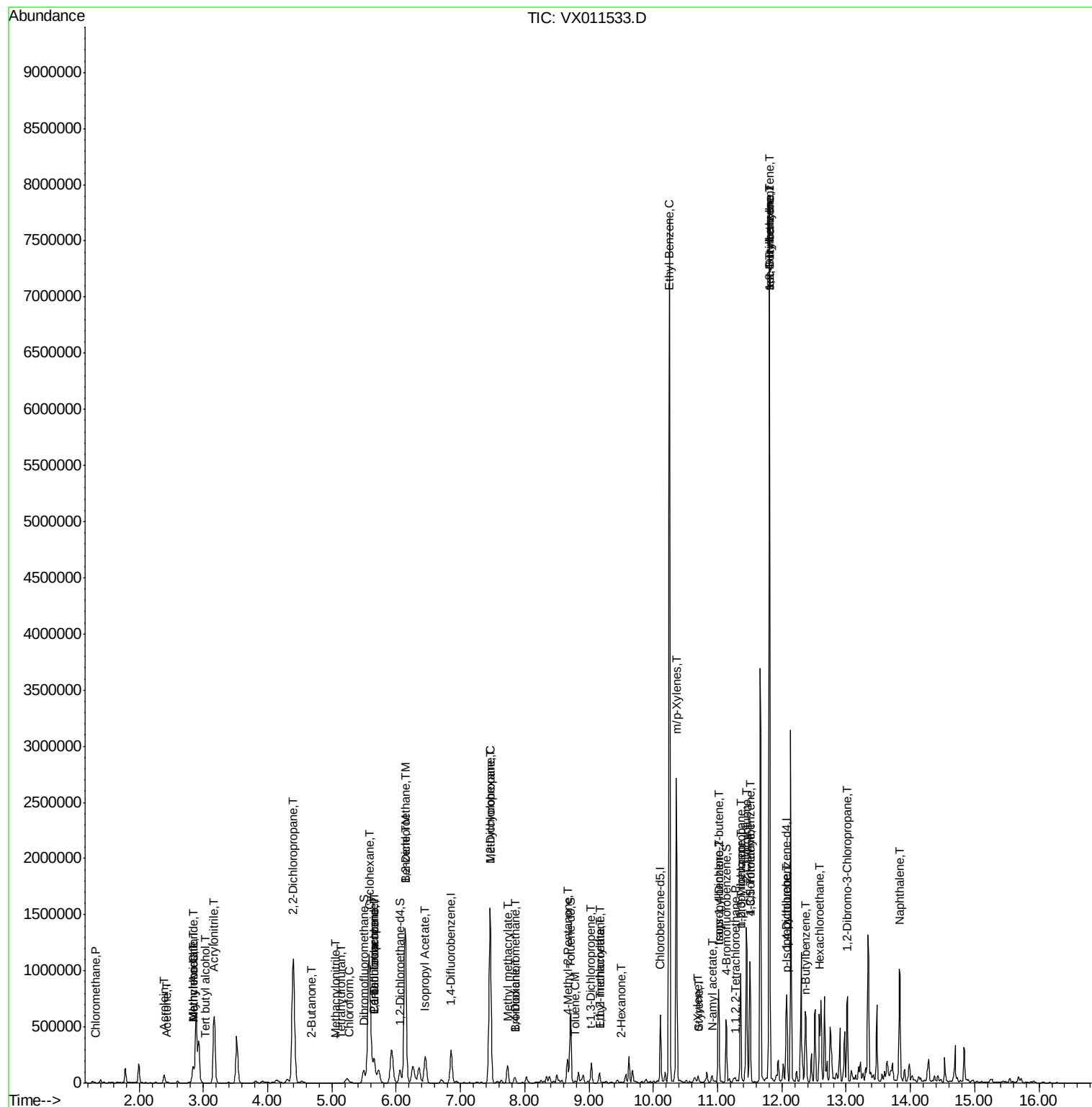
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) Styrene	10.71	104	2058	0.329	ug/l #	1
73) Isopropylbenzene	11.02	105	447650	42.803	ug/l	99
74) N-amyl acetate	10.91	43	2307	0.610	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	11.27	83	2121	0.609	ug/l	77
76) 1,2,3-Trichloropropane	11.35	75	3980	1.429	ug/l #	1
78) n-propylbenzene	11.36	91	598675	51.475	ug/l	98
79) 2-Chlorotoluene	11.45	91	86501	12.478	ug/l #	38
80) 1,3,5-Trimethylbenzene	11.51	105	455812	52.064	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.02	75	5549	9.367	ug/l #	60
82) 4-Chlorotoluene	11.51	91	49123	6.081	ug/l #	42
83) tert-Butylbenzene	11.80	119	425429	49.546	ug/l #	56
84) 1,2,4-Trimethylbenzene	11.80	105	3384318	388.267	ug/l	100
85) sec-Butylbenzene	11.80	105	3384318	328.057	ug/l #	55
86) p-Isopropyltoluene	12.06	119	97448	10.268	ug/l	98
89) n-Butylbenzene	12.38	91	99264	12.140	ug/l #	33
90) Hexachloroethane	12.58	117	27482	19.586	ug/l #	8
92) 1,2-Dibromo-3-Chloropropan	13.01	75	2555	3.784	ug/l #	1
95) Naphthalene	13.83	128	629060	63.000	ug/l	99

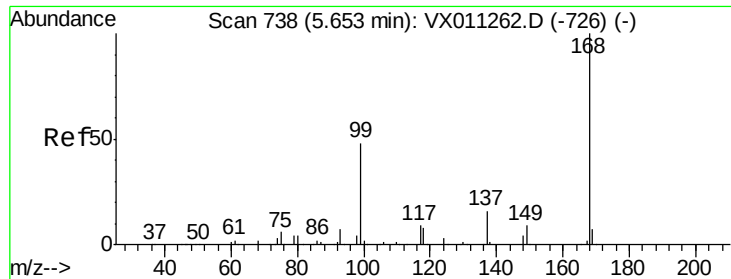
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.01 min

Lab File: VX011533.D

Acq: 13 Aug 2019 14:07

Instrument :

MSVOA_X

ClientSampleId :

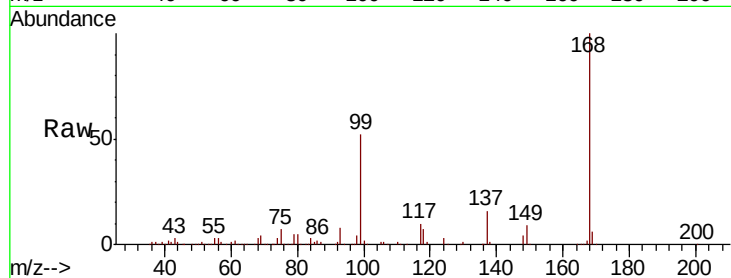
Z3-0672

Tgt Ion:168 Resp: 205412

Ion Ratio Lower Upper

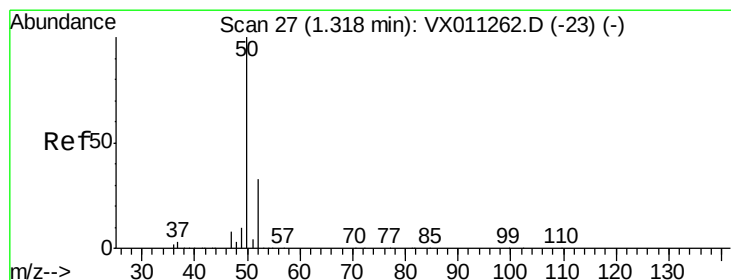
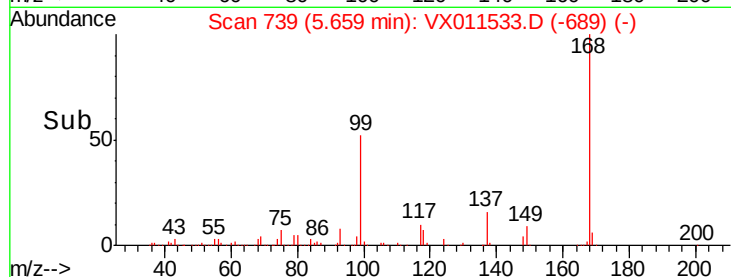
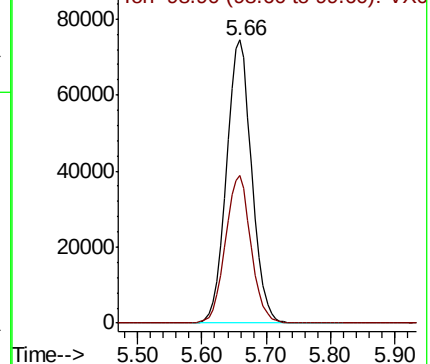
168 100

99 52.1 38.5 57.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.275 ug/l

RT: 1.32 min Scan# 27

Delta R.T. 0.00 min

Lab File: VX011533.D

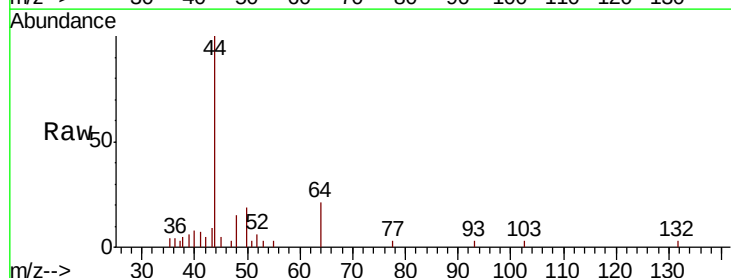
Acq: 13 Aug 2019 14:07

Tgt Ion: 50 Resp: 490

Ion Ratio Lower Upper

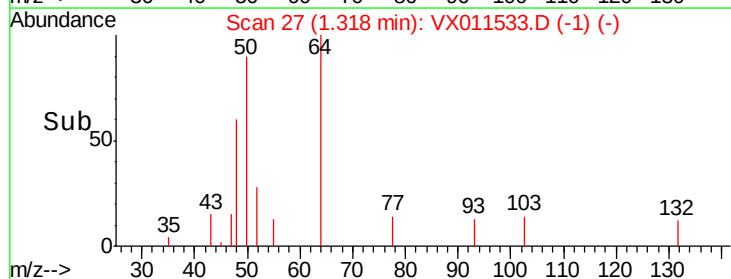
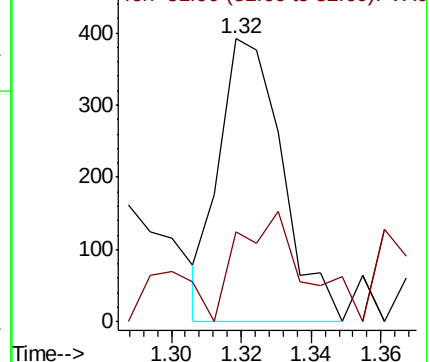
50 100

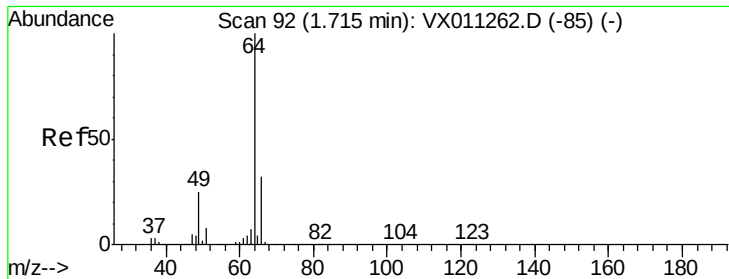
52 17.3 26.4 39.6#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#6

Chloroethane

Concen: Below Cal

RT: 1.70 min Scan# 90

Delta R.T. -0.01 min

Lab File: VX011533.D

Acq: 13 Aug 2019 14:07

Instrument :

MSVOA_X

ClientSampled :

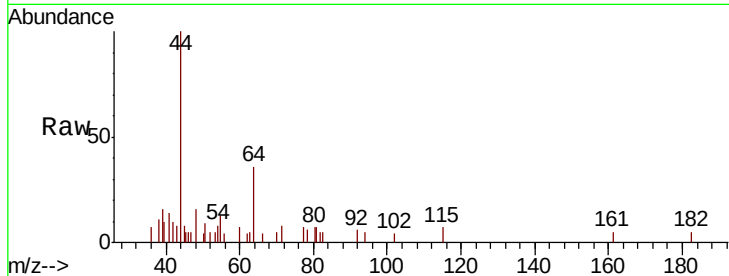
Z3-0672

Tgt Ion: 64 Resp: 227

Ion Ratio Lower Upper

64 100

66 25.9 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.70

400

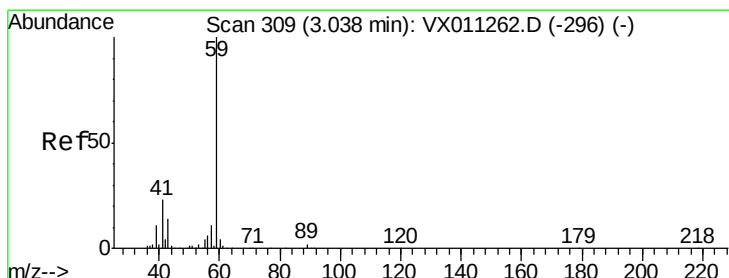
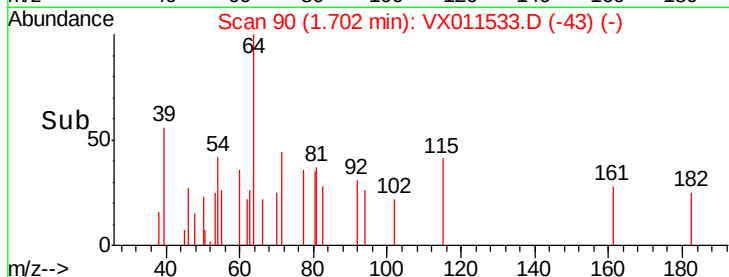
300

200

100

0

Time-->



#11

Tert butyl alcohol

Concen: 1.220 ug/l

RT: 3.03 min Scan# 308

Delta R.T. -0.01 min

Lab File: VX011533.D

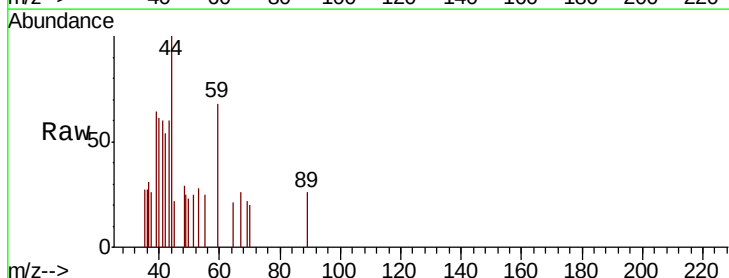
Acq: 13 Aug 2019 14:07

Tgt Ion: 59 Resp: 494

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

3.03

200

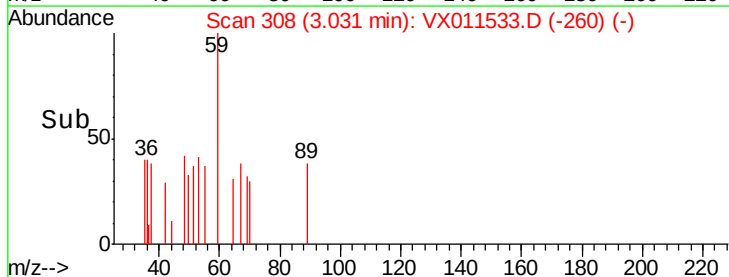
150

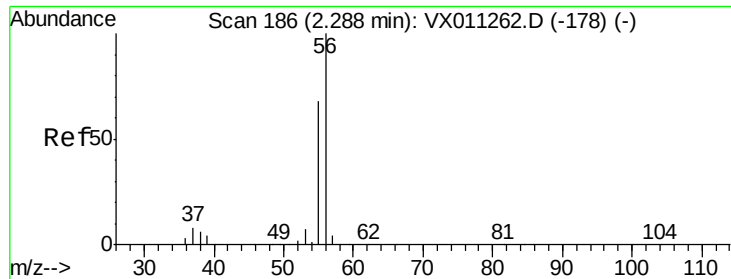
100

50

0

Time-->





#13

Acrolein

Concen: 39.328 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.10 min

Lab File: VX011533.D

Acq: 13 Aug 2019 14:07

Instrument :

MSVOA_X

ClientSampled :

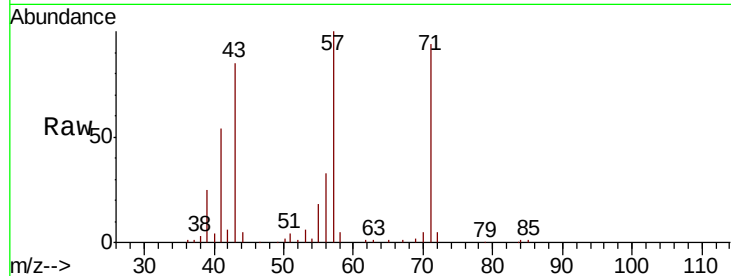
Z3-0672

Tgt Ion: 56 Resp: 10173

Ion Ratio Lower Upper

56 100

55 56.6 56.0 84.0



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

6000

5000

4000

3000

2000

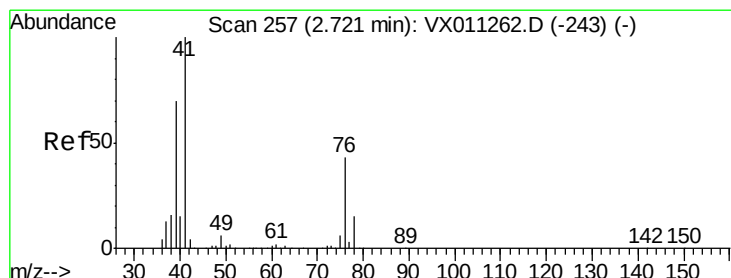
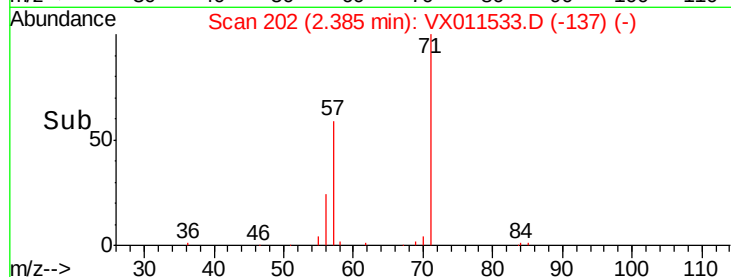
1000

0

2.39

2.30 2.35 2.40 2.45 2.50

Time-->



#14

Allyl chloride

Concen: 15.231 ug/l

RT: 2.84 min Scan# 277

Delta R.T. 0.12 min

Lab File: VX011533.D

Acq: 13 Aug 2019 14:07

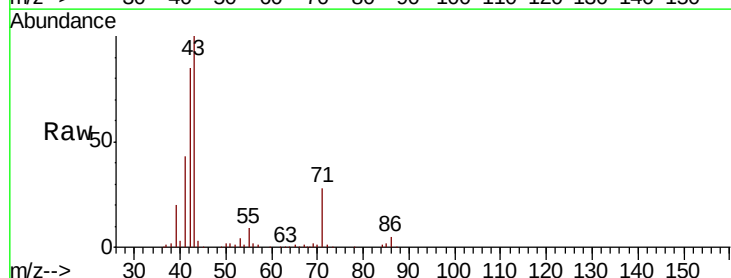
Tgt Ion: 41 Resp: 37948

Ion Ratio Lower Upper

41 100

39 56.8 52.8 79.2

76 0.0 31.1 46.7#



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0

100000

80000

60000

40000

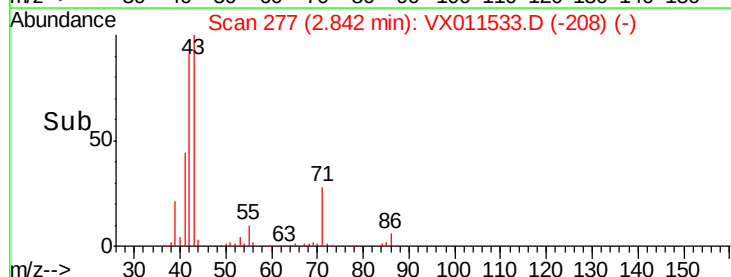
20000

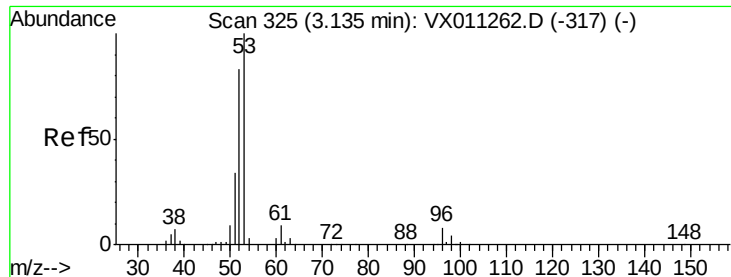
0

2.84

2.80 2.85

Time-->





#15

Acrylonitrile

Concen: 15.858 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.03 min

Lab File: VX011533.D

Acq: 13 Aug 2019 14:07

Instrument :

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ClientSampleId :

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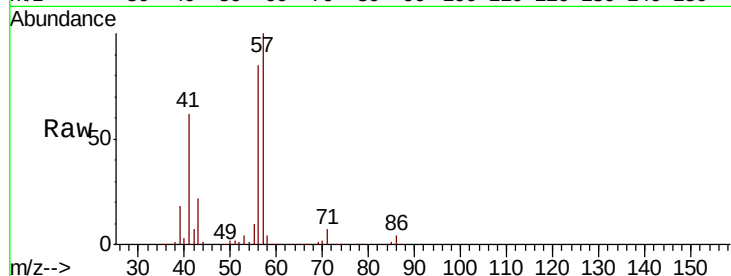
Tgt Ion: 53 Resp: 15610

Ion Ratio Lower Upper

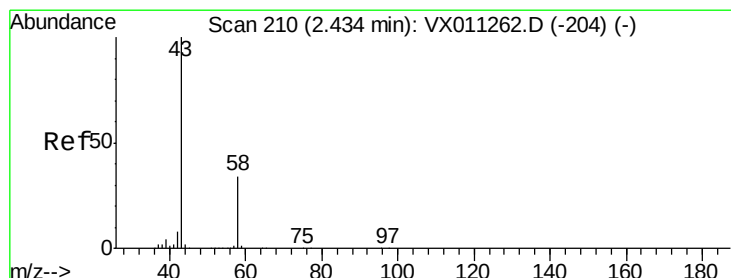
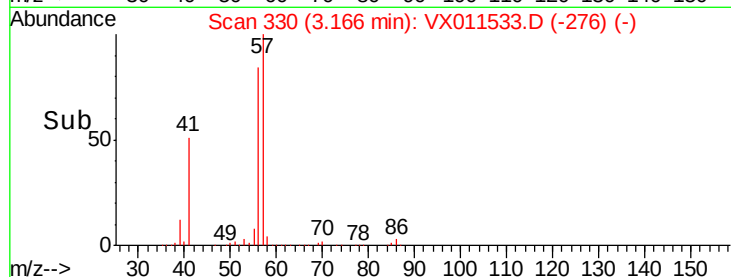
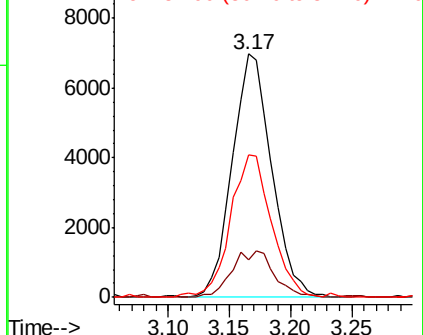
53 100

52 20.5 65.5 98.3#

51 60.7 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



#16

Acetone

Concen: 11.083 ug/l

RT: 2.43 min Scan# 210

Delta R.T. 0.00 min

Lab File: VX011533.D

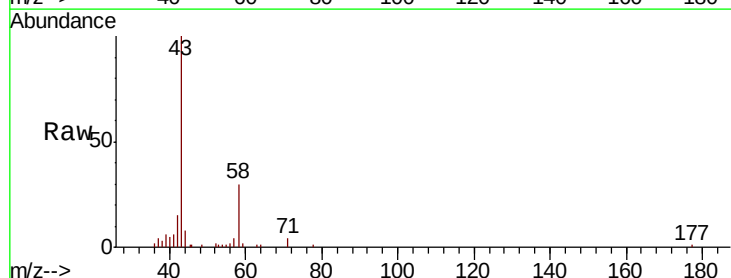
Acq: 13 Aug 2019 14:07

Tgt Ion: 43 Resp: 10913

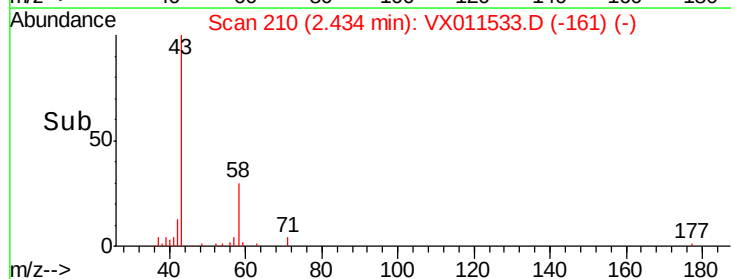
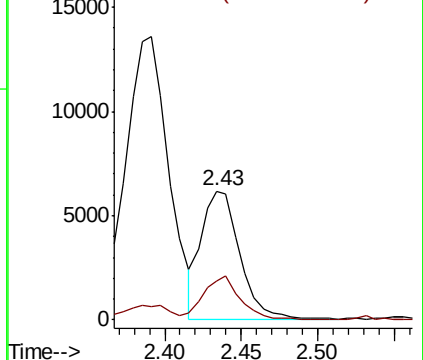
Ion Ratio Lower Upper

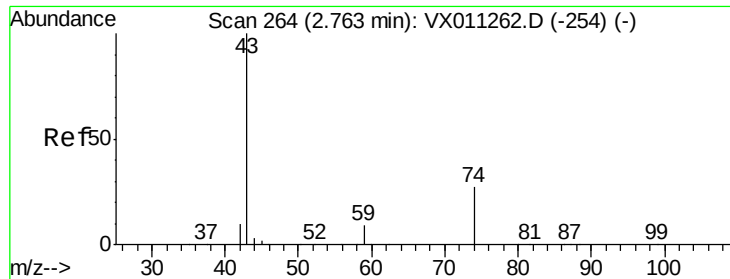
43 100

58 30.1 27.4 41.0



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

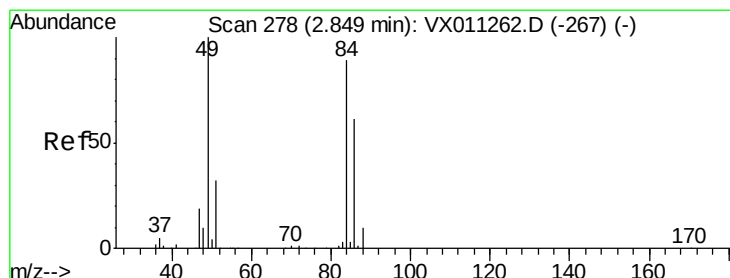
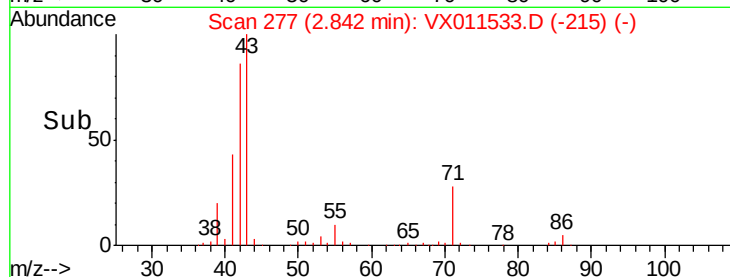
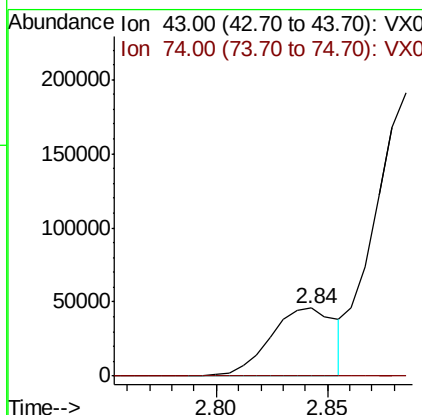
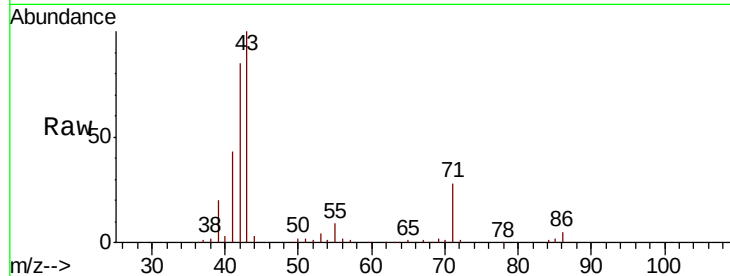




#18
Methyl Acetate
Concen: 41.489 ug/l
RT: 2.84 min Scan# 277
Delta R.T. 0.08 min
Lab File: VX011533.D
Acq: 13 Aug 2019 14:07

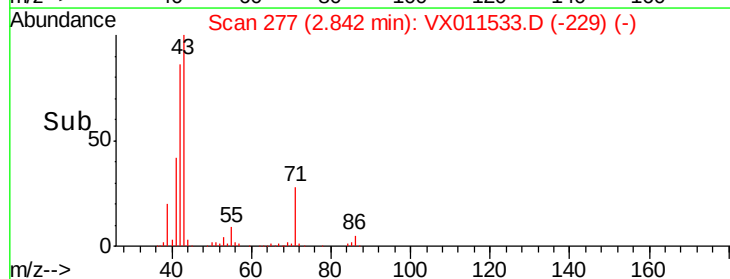
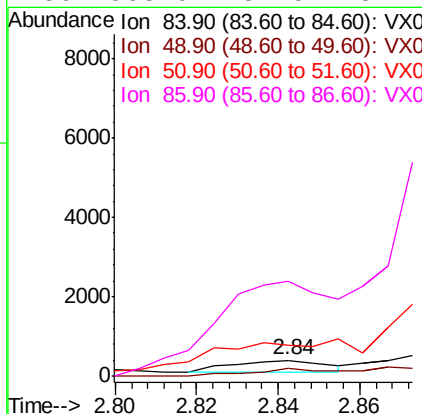
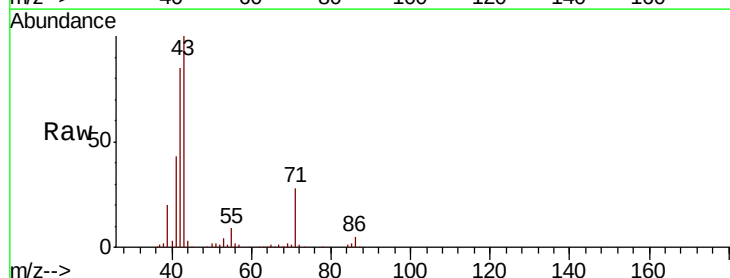
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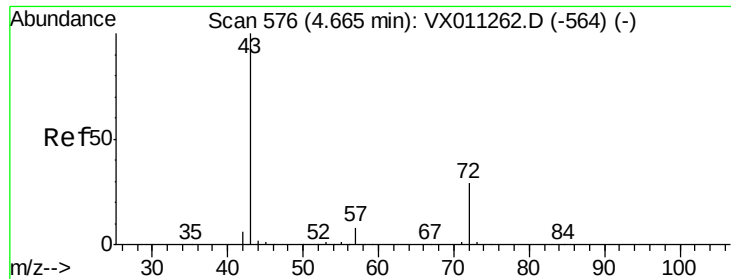
Tgt Ion: 43 Resp: 93355
Ion Ratio Lower Upper
43 100
74 0.0 21.0 31.6#



#20
Methylene Chloride
Concen: 0.234 ug/l
RT: 2.84 min Scan# 277
Delta R.T. -0.01 min
Lab File: VX011533.D
Acq: 13 Aug 2019 14:07

Tgt Ion: 84 Resp: 505
Ion Ratio Lower Upper
84 100
49 59.5 89.3 133.9#
51 142.5 28.3 42.5#
86 568.0 54.5 81.7#





#25

2-Butanone

Concen: 3.361 ug/l

RT: 4.68 min Scan# 579

Delta R.T. 0.02 min

Lab File: VX011533.D

Acq: 13 Aug 2019 14:07

Instrument :

MSVOA_X

ClientSampled :

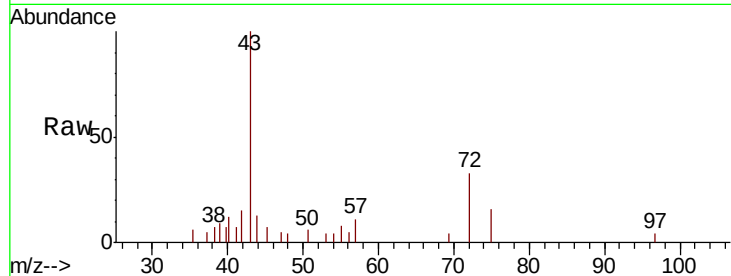
Z3-0672

Tgt Ion: 43 Resp: 4707

Ion Ratio Lower Upper

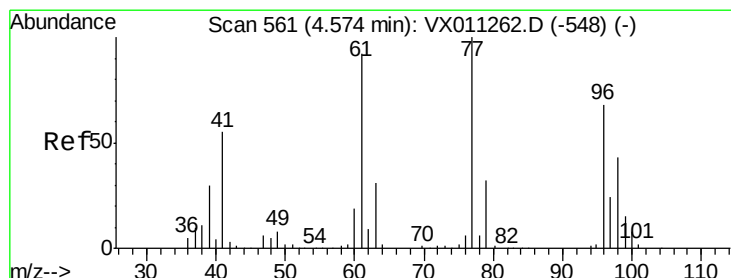
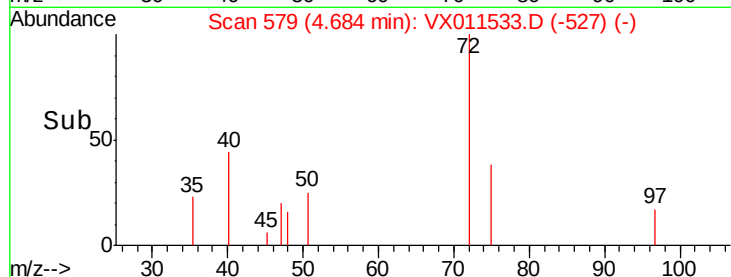
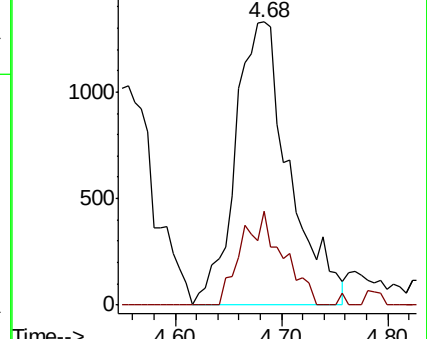
43 100

72 33.0 23.2 34.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 2.851 ug/l

RT: 4.40 min Scan# 533

Delta R.T. -0.17 min

Lab File: VX011533.D

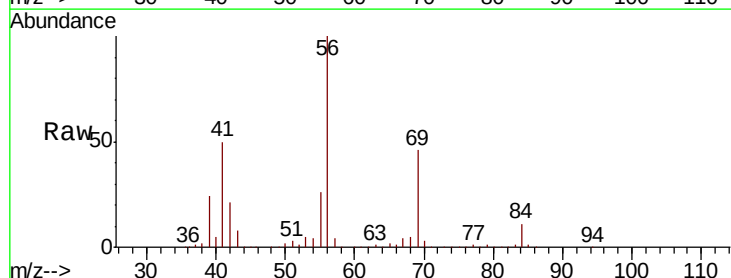
Acq: 13 Aug 2019 14:07

Tgt Ion: 77 Resp: 7156

Ion Ratio Lower Upper

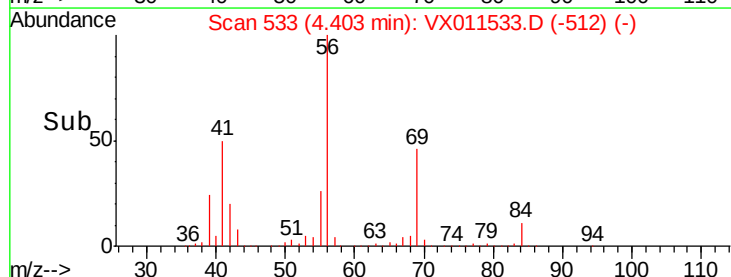
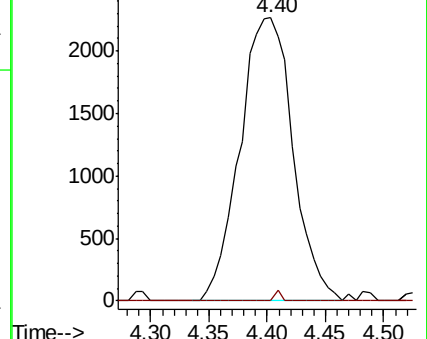
77 100

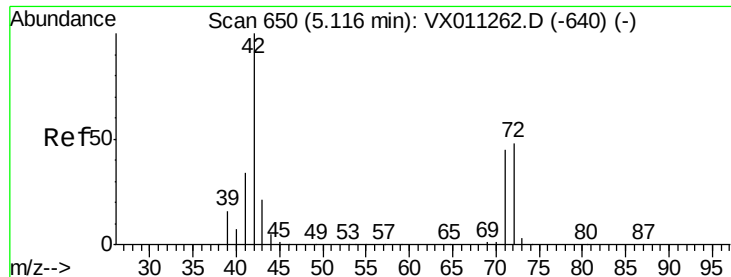
97 0.4 12.8 38.4#



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#29

Tetrahydrofuran

Concen: 0.309 ug/l

RT: 5.15 min Scan# 655

Delta R.T. 0.03 min

Lab File: VX011533.D

Acq: 13 Aug 2019 14:07

Instrument :

MSVOA_X

ClientSampleId :

Z3-0672

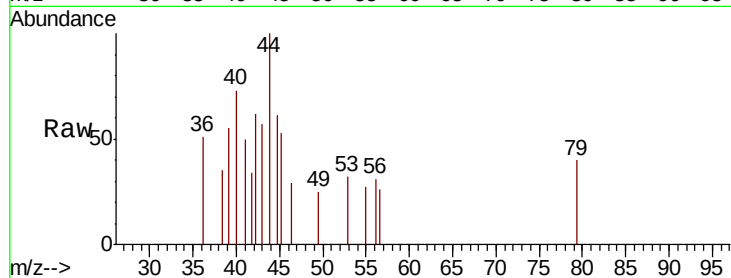
Tgt Ion: 42 Resp: 265

Ion Ratio Lower Upper

42 100

72 0.0 39.9 59.9#

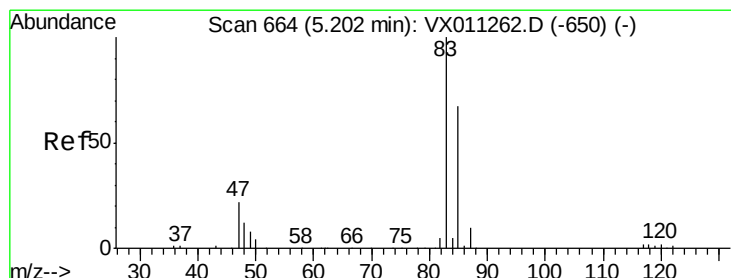
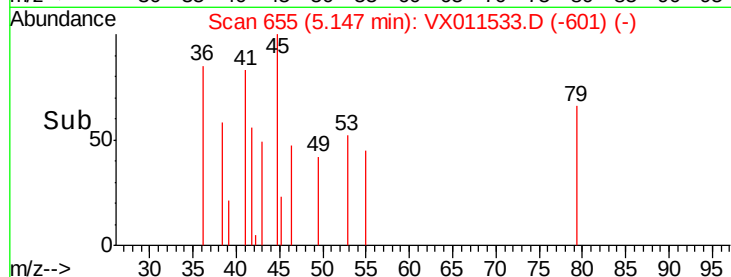
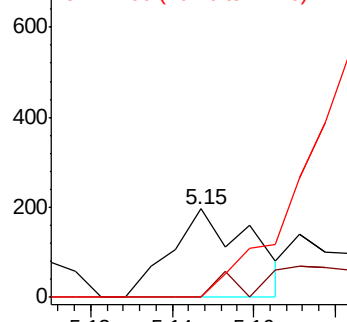
71 0.0 36.9 55.3#



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#30

Chloroform

Concen: 0.632 ug/l

RT: 5.28 min Scan# 677

Delta R.T. 0.08 min

Lab File: VX011533.D

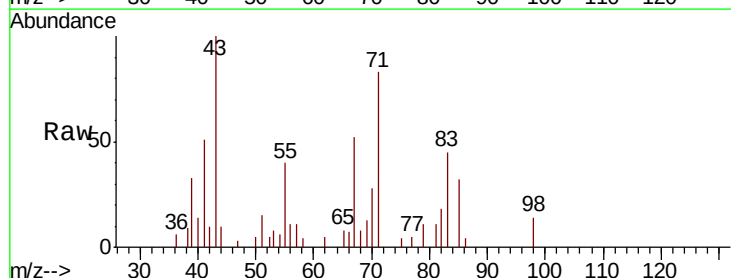
Acq: 13 Aug 2019 14:07

Tgt Ion: 83 Resp: 2217

Ion Ratio Lower Upper

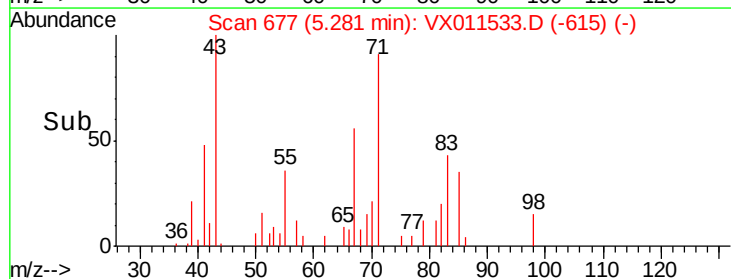
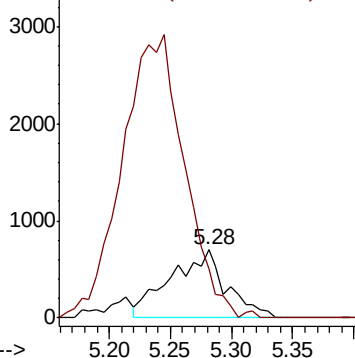
83 100

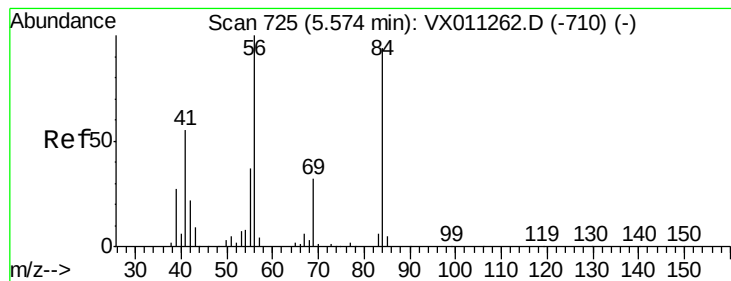
85 72.4 53.4 80.0



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0





#31

Cyclohexane

Concen: 298.157 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.01 min

Lab File: VX011533.D

Acq: 13 Aug 2019 14:07

Instrument :

MSVOA_X

ClientSampleId :

Z3-0672

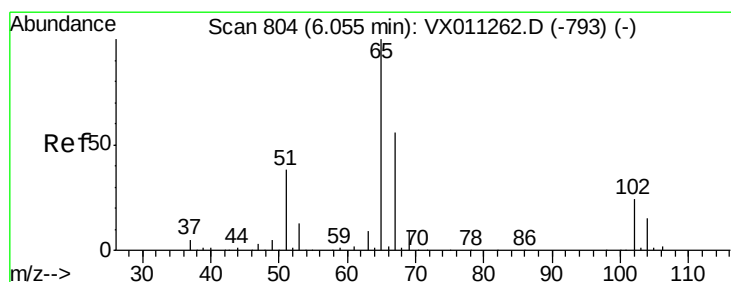
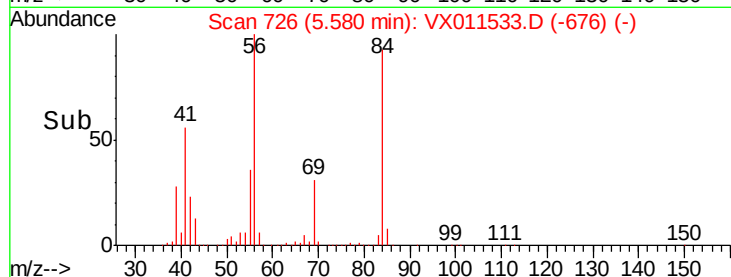
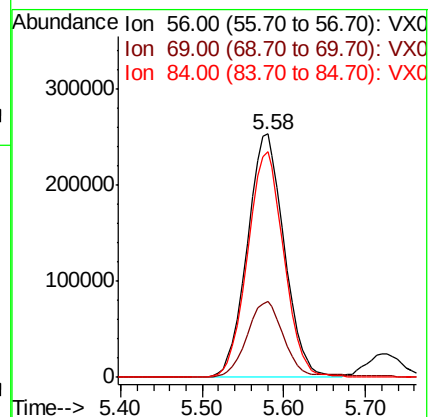
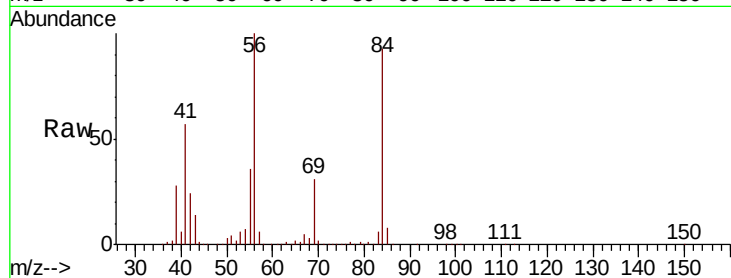
Tgt Ion: 56 Resp: 794274

Ion Ratio Lower Upper

56 100

69 31.1 25.5 38.3

84 92.7 75.0 112.4



#33

1,2-Dichloroethane-d4

Concen: 53.823 ug/l

RT: 6.06 min Scan# 804

Delta R.T. 0.00 min

Lab File: VX011533.D

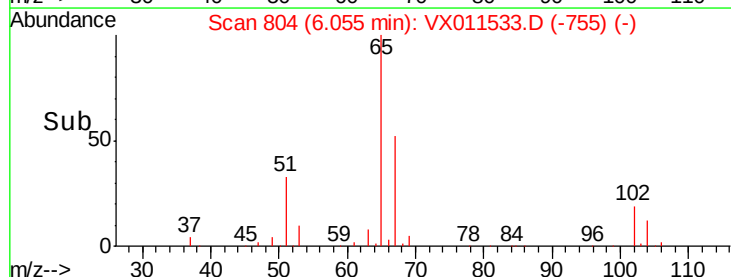
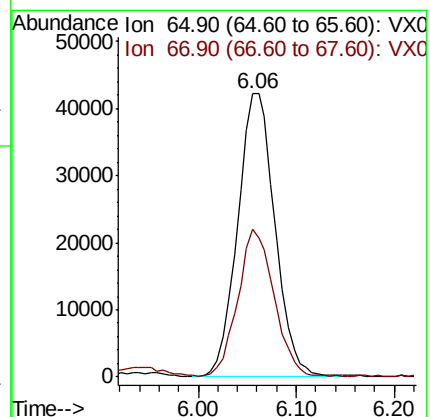
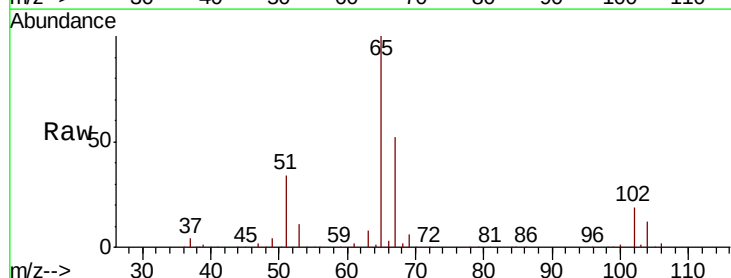
Acq: 13 Aug 2019 14:07

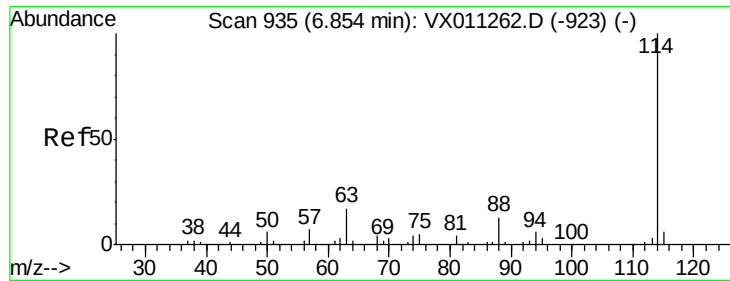
Tgt Ion: 65 Resp: 111338

Ion Ratio Lower Upper

65 100

67 50.5 0.0 110.6

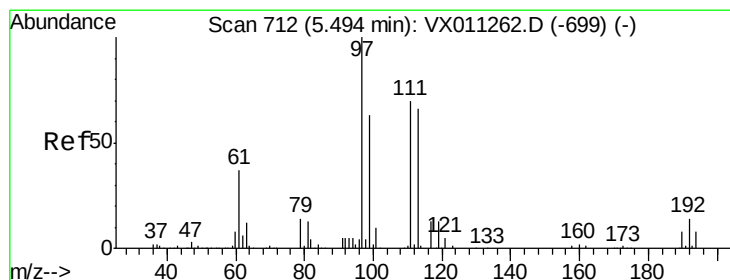
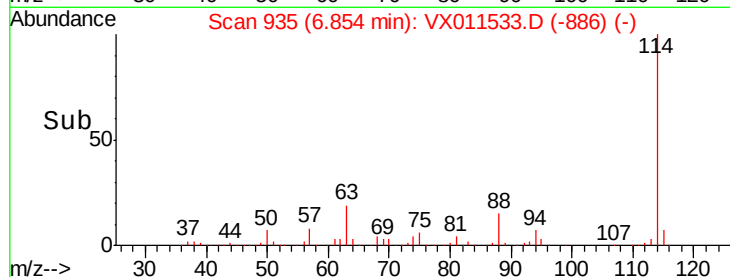
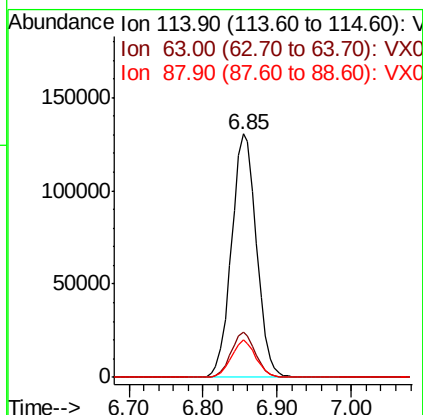
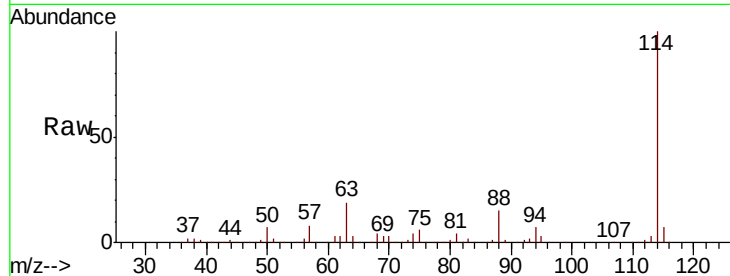




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.85 min Scan# 935
Delta R.T. 0.00 min
Lab File: VX011533.D
Acq: 13 Aug 2019 14:07

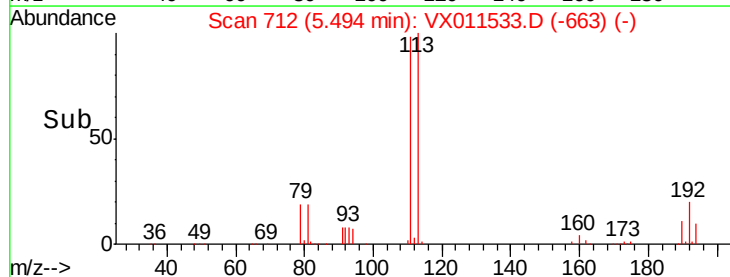
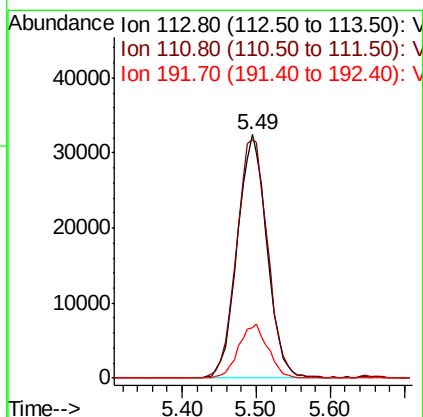
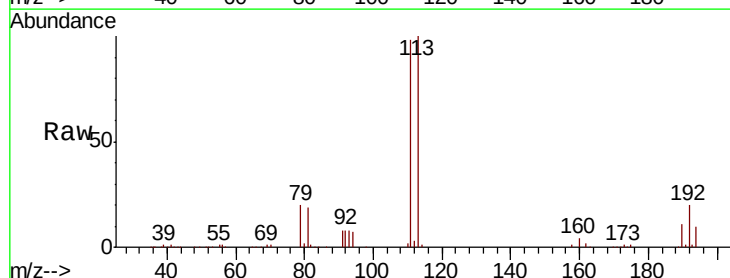
Instrument :
MSVOA_X
ClientSampleId :
Z3-0672

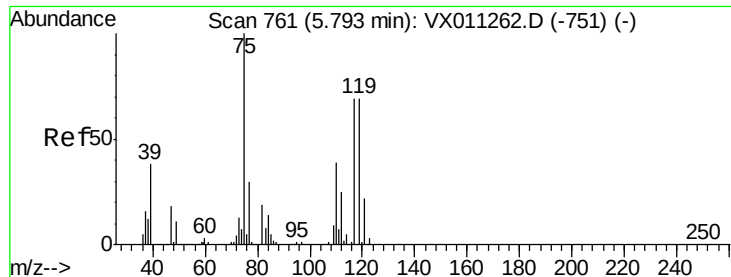
Tgt Ion:114 Resp: 307065
Ion Ratio Lower Upper
114 100
63 18.8 0.0 34.0
88 15.2 0.0 26.4



#35
Dibromofluoromethane
Concen: 45.178 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.00 min
Lab File: VX011533.D
Acq: 13 Aug 2019 14:07

Tgt Ion:113 Resp: 90570
Ion Ratio Lower Upper
113 100
111 102.9 81.9 122.9
192 21.7 17.8 26.8

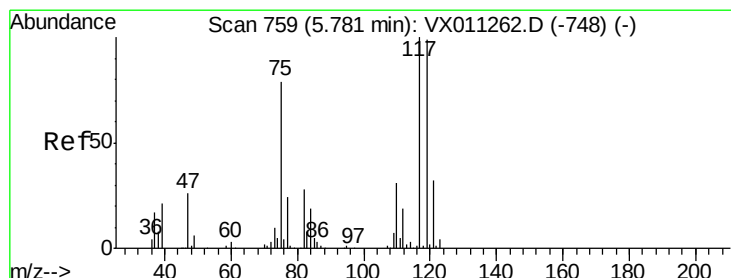
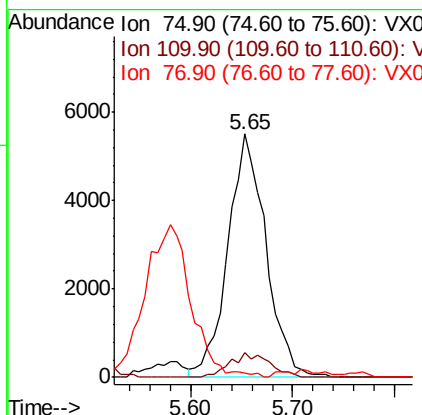
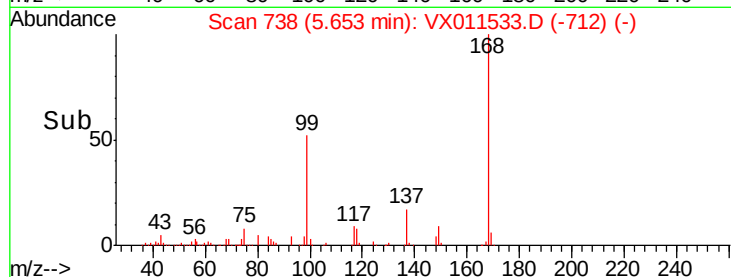
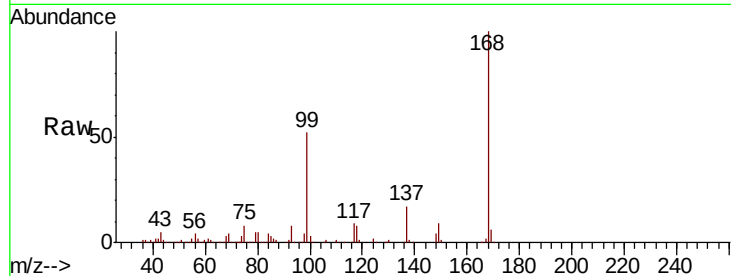




#36
 1,1-Dichloropropene
 Concen: 5.303 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.14 min
 Lab File: VX011533.D
 Acq: 13 Aug 2019 14:07

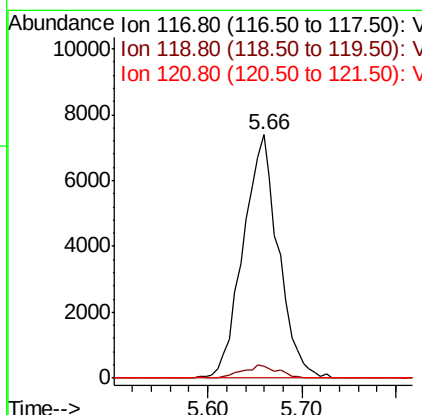
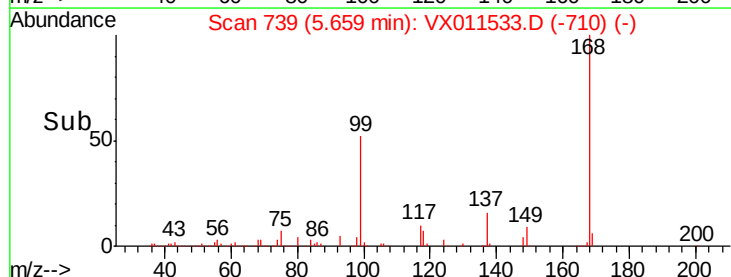
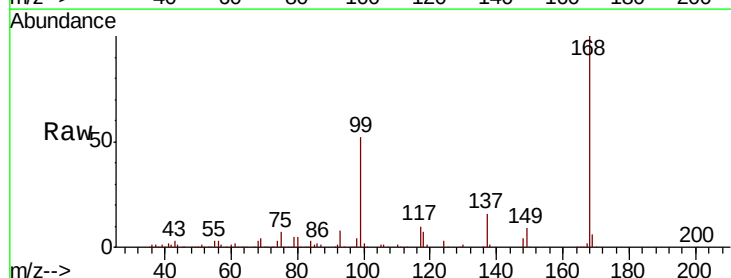
Instrument :
 MSVOA_X
 ClientSampled :
 Z3-0672

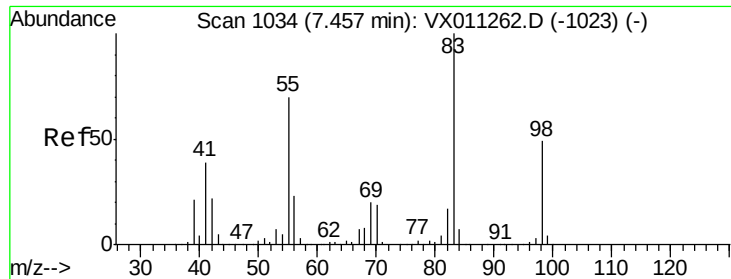
Tgt Ion: 75 Resp: 14217
 Ion Ratio Lower Upper
 75 100
 110 10.4 20.0 59.9#
 77 0.0 24.8 37.2#



#38
 Carbon Tetrachloride
 Concen: 7.173 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.12 min
 Lab File: VX011533.D
 Acq: 13 Aug 2019 14:07

Tgt Ion: 117 Resp: 19346
 Ion Ratio Lower Upper
 117 100
 119 5.1 79.0 118.4#
 121 0.0 25.9 38.9#

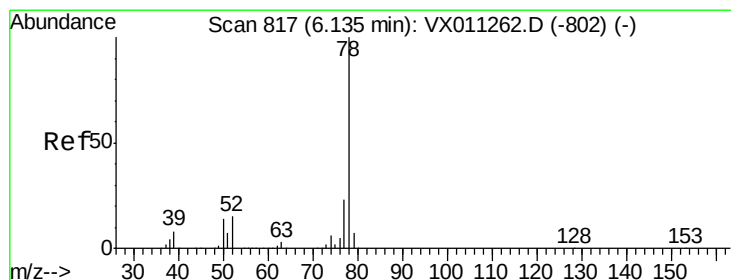
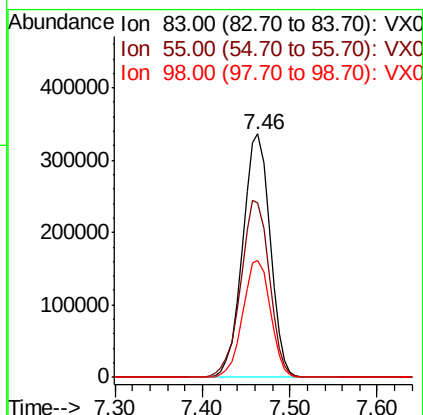
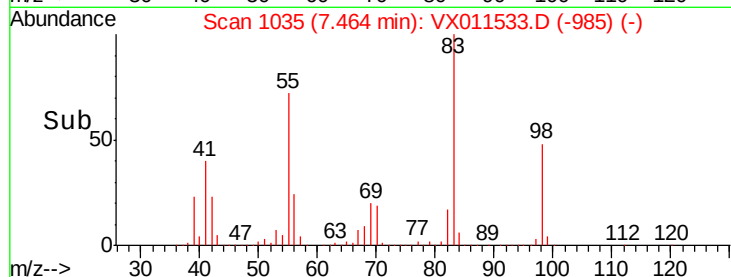
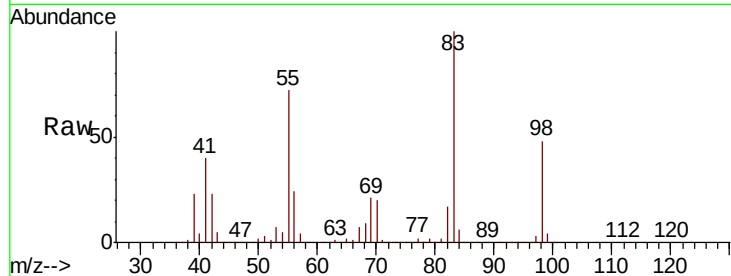




#39
Methylcyclohexane
Concen: 231.088 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VX011533.D
Acq: 13 Aug 2019 14:07

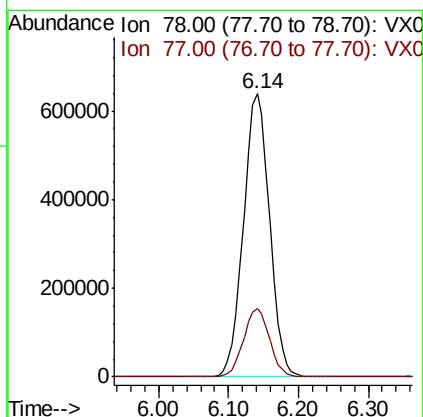
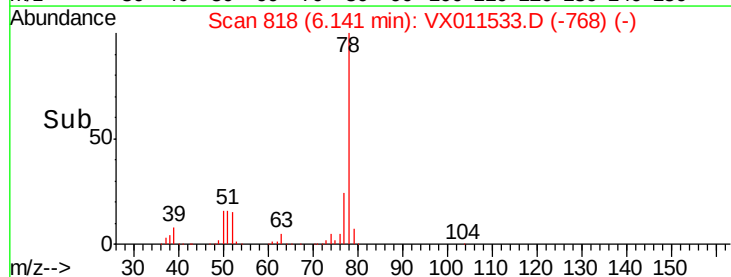
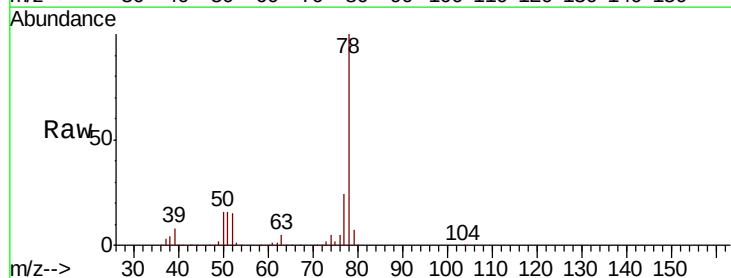
Instrument :
MSVOA_X
ClientSampled :
Z3-0672

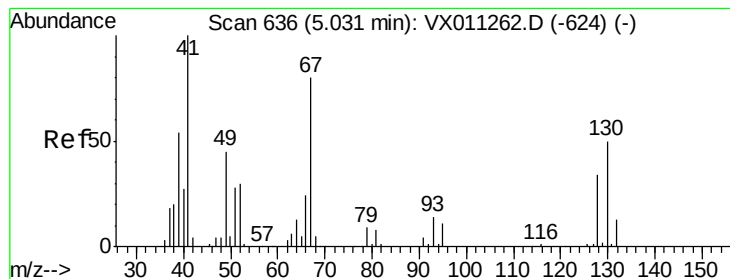
Tgt Ion: 83 Resp: 734360
Ion Ratio Lower Upper
83 100
55 71.9 56.1 84.1
98 48.2 39.0 58.4



#40
Benzene
Concen: 206.773 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.01 min
Lab File: VX011533.D
Acq: 13 Aug 2019 14:07

Tgt Ion: 78 Resp: 1654228
Ion Ratio Lower Upper
78 100
77 23.9 18.2 27.2





#41

Methacrylonitrile

Concen: 0.388 ug/l

RT: 5.06 min Scan# 641

Delta R.T. 0.03 min

Lab File: VX011533.D

Acq: 13 Aug 2019 14:07

Instrument :

MSVOA_X

ClientSampled :

Z3-0672

Tgt Ion: 41 Resp: 570

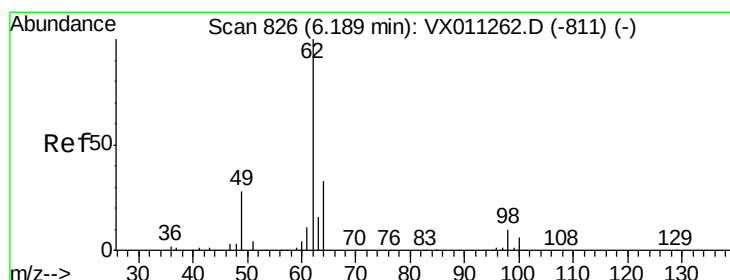
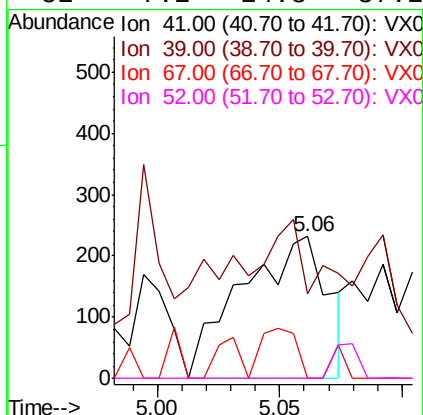
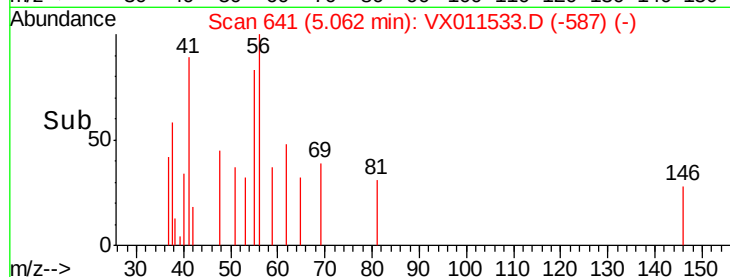
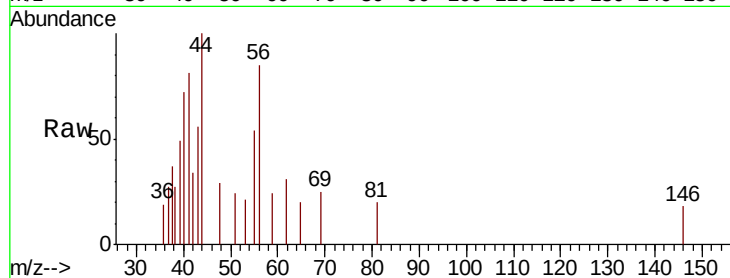
Ion Ratio Lower Upper

41 100

39 0.0 43.0 64.6#

67 0.0 65.1 97.7#

52 7.2 24.8 37.2#



#42

1,2-Dichloroethane

Concen: 5.611 ug/l

RT: 6.13 min Scan# 817

Delta R.T. -0.05 min

Lab File: VX011533.D

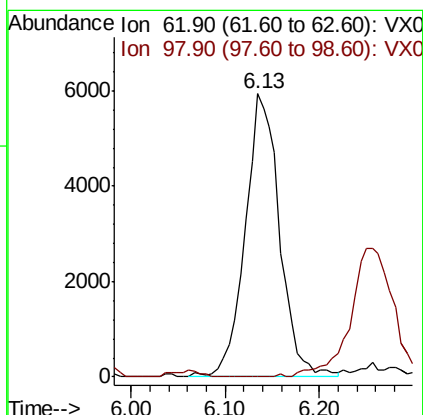
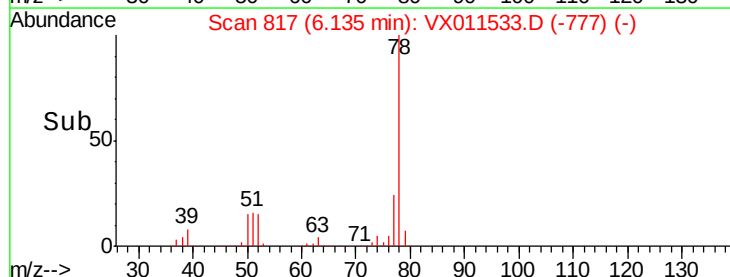
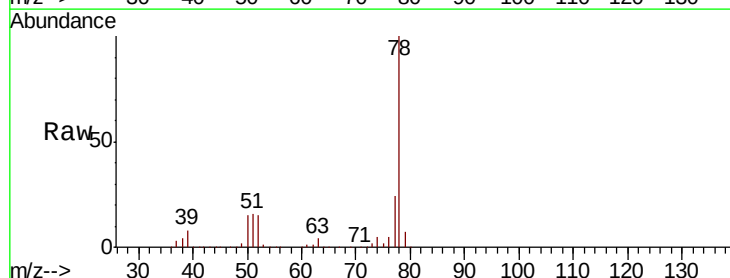
Acq: 13 Aug 2019 14:07

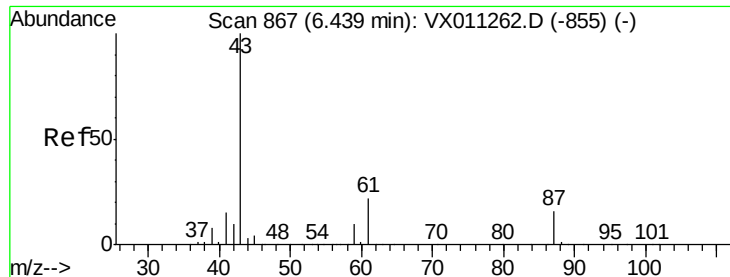
Tgt Ion: 62 Resp: 15179

Ion Ratio Lower Upper

62 100

98 0.0 0.0 20.6





#43

Isopropyl Acetate

Concen: 2.525 ug/l

RT: 6.45 min Scan# 868

Delta R.T. 0.01 min

Lab File: VX011533.D

Acq: 13 Aug 2019 14:07

Instrument :

MSVOA_X

ClientSampleId :

Z3-0672

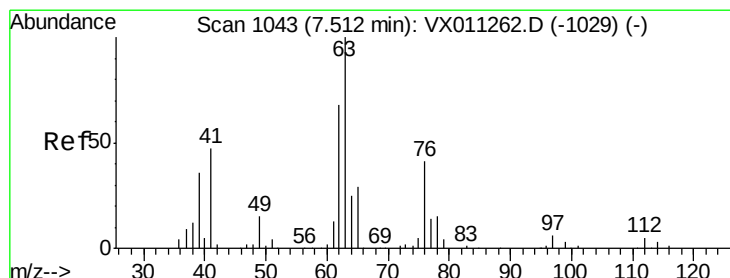
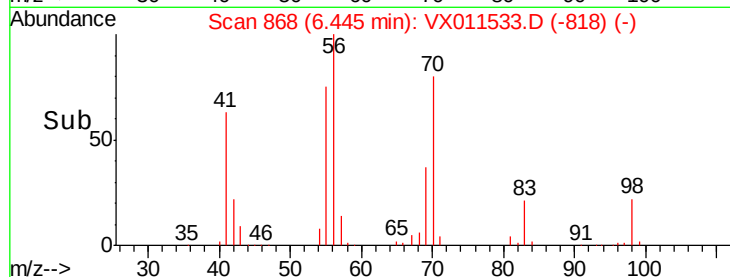
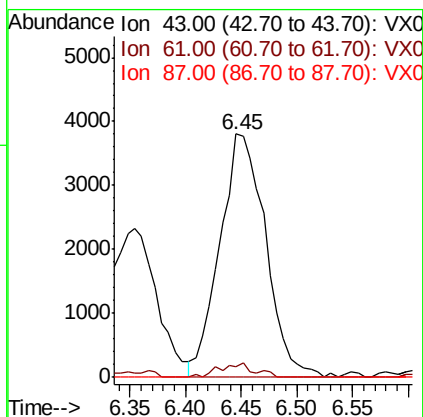
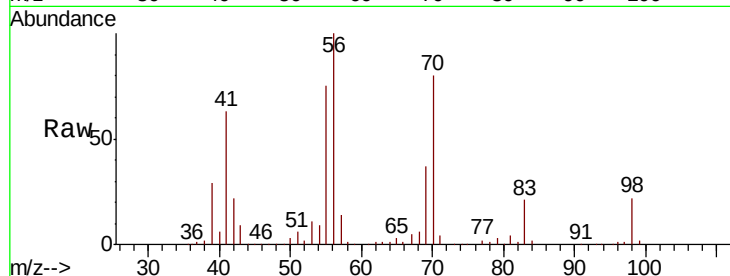
Tgt Ion: 43 Resp: 10857

Ion Ratio Lower Upper

43 100

61 4.5 16.5 24.7#

87 0.0 12.1 18.1#



#45

1,2-Dichloropropane

Concen: 3.537 ug/l

RT: 7.46 min Scan# 1034

Delta R.T. -0.05 min

Lab File: VX011533.D

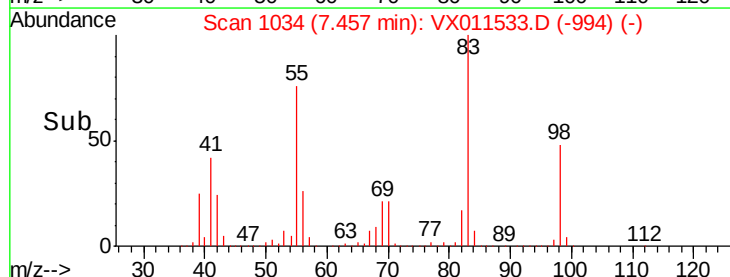
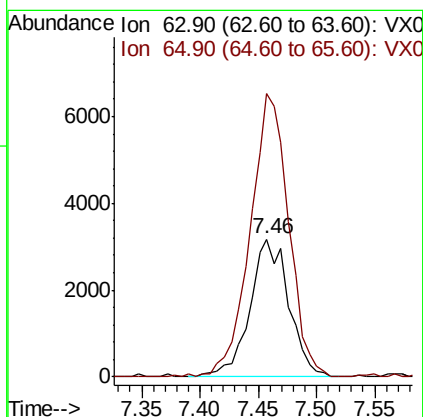
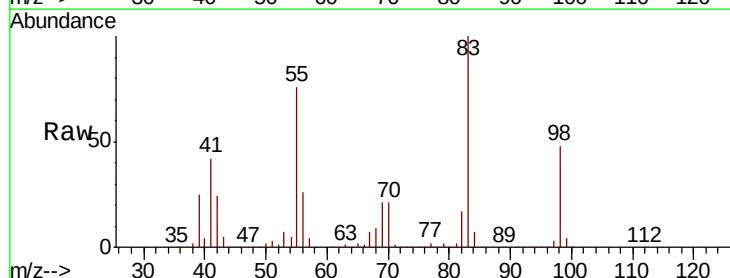
Acq: 13 Aug 2019 14:07

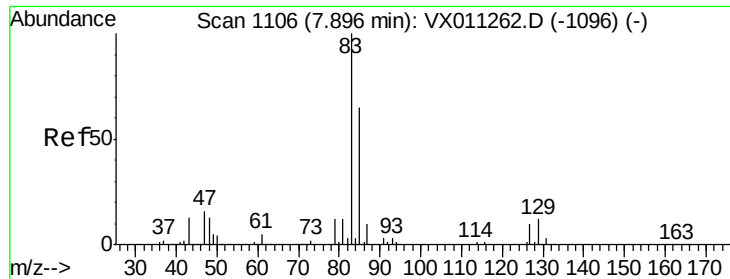
Tgt Ion: 63 Resp: 7329

Ion Ratio Lower Upper

63 100

65 205.1 23.3 34.9#





#47

Bromodichloromethane

Concen: 0.556 ug/l

RT: 7.85 min Scan# 1098

Delta R.T. -0.05 min

Lab File: VX011533.D

Acq: 13 Aug 2019 14:07

Instrument :

MSVOA_X

ClientSampleId :

Z3-0672

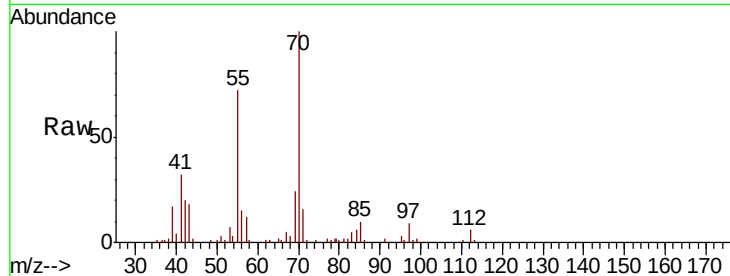
Tgt Ion: 83 Resp: 1425

Ion Ratio Lower Upper

83 100

85 193.7 52.2 78.2#

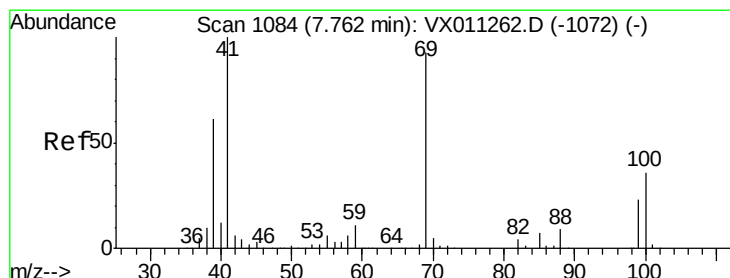
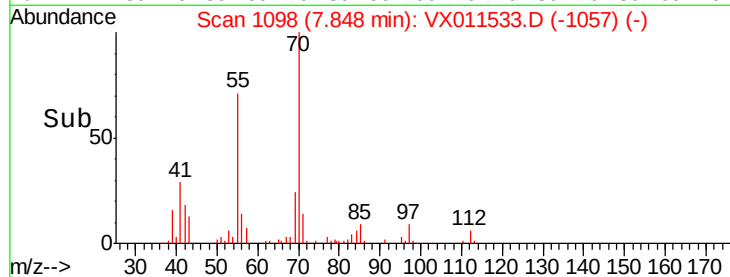
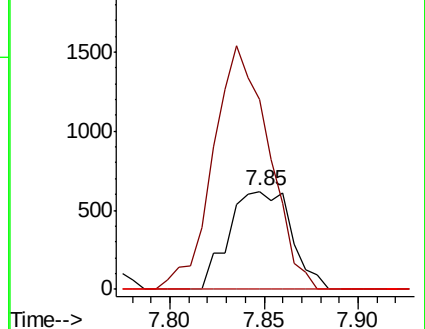
127 0.0 7.8 11.8#



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 16.211 ug/l

RT: 7.73 min Scan# 1079

Delta R.T. -0.03 min

Lab File: VX011533.D

Acq: 13 Aug 2019 14:07

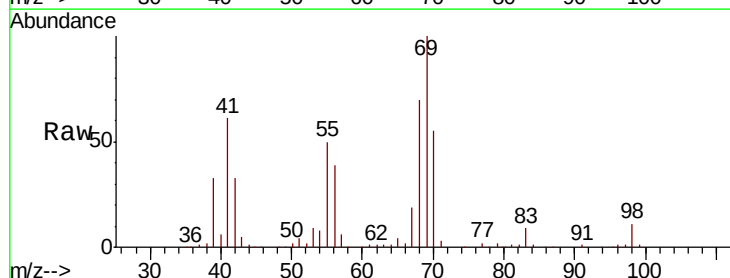
Tgt Ion: 41 Resp: 32801

Ion Ratio Lower Upper

41 100

69 162.4 74.5 111.7#

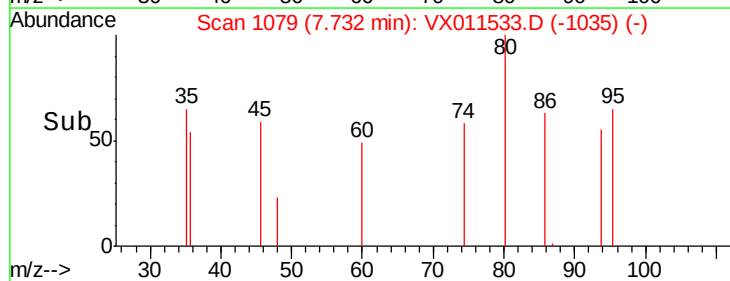
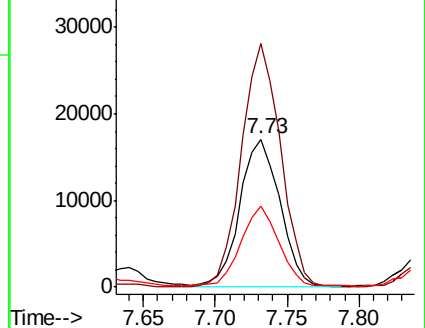
39 50.7 48.6 72.8

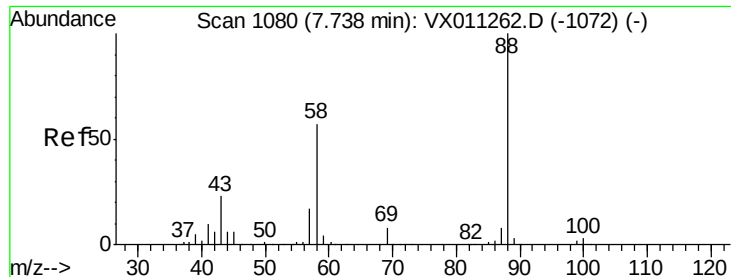


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

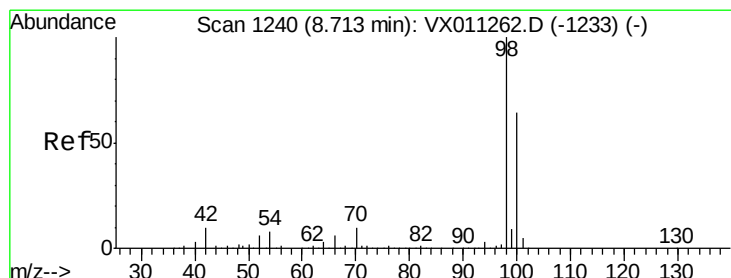
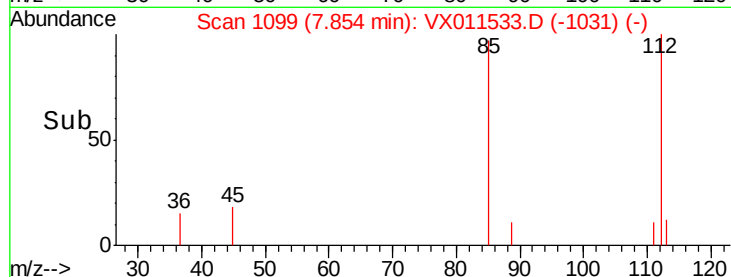
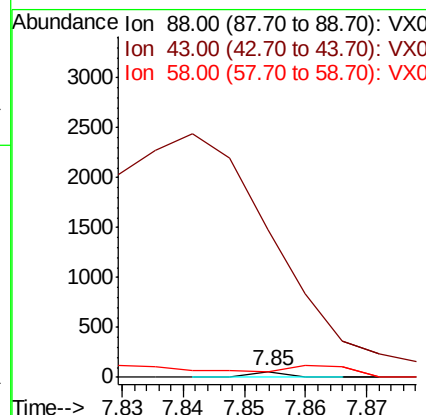
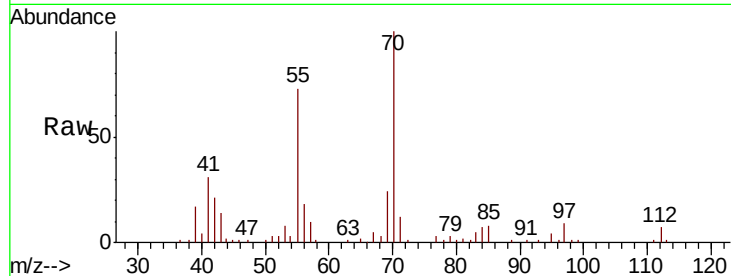




#49
1,4-Dioxane
Concen: 0.358 ug/l
RT: 7.85 min Scan# 1099
Delta R.T. 0.12 min
Lab File: VX011533.D
Acq: 13 Aug 2019 14:07

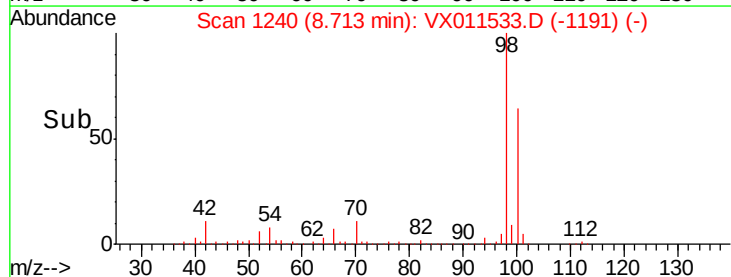
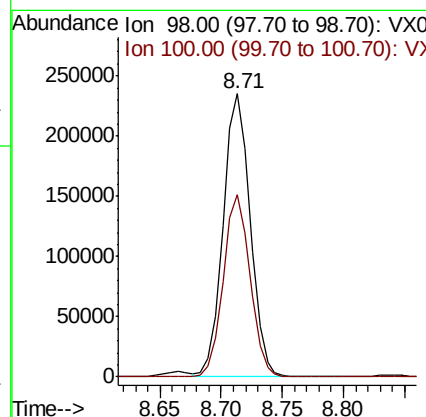
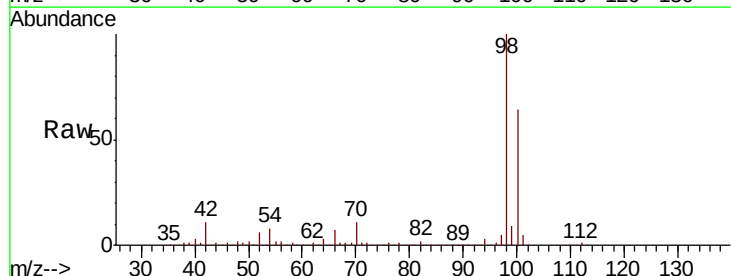
Instrument :
MSVOA_X
ClientSampleId :
Z3-0672

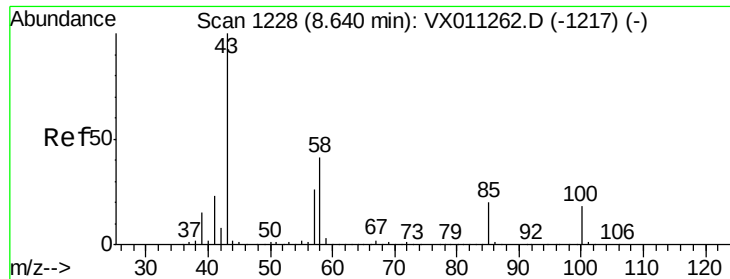
Tgt Ion: 88 Resp: 21
Ion Ratio Lower Upper
88 100
43 26390.5 22.2 33.2#
58 414.3 47.8 71.8#



#50
Toluene-d8
Concen: 47.849 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX011533.D
Acq: 13 Aug 2019 14:07

Tgt Ion: 98 Resp: 362094
Ion Ratio Lower Upper
98 100
100 63.8 51.7 77.5

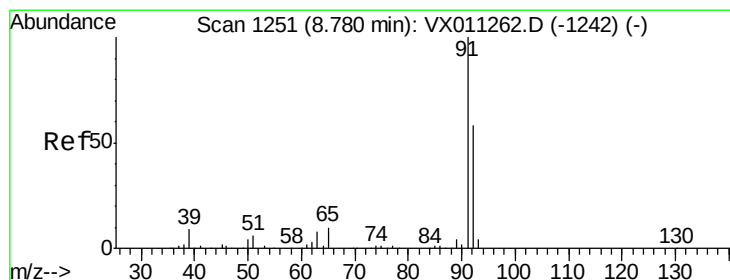
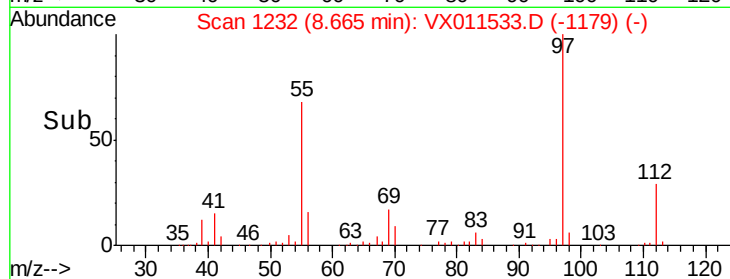
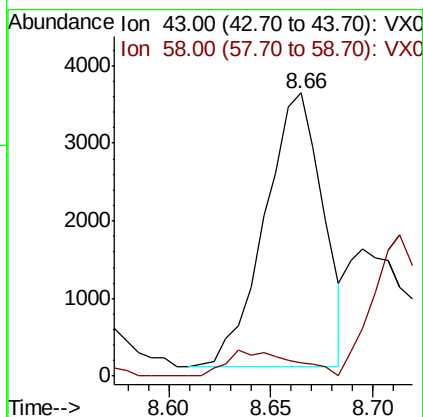
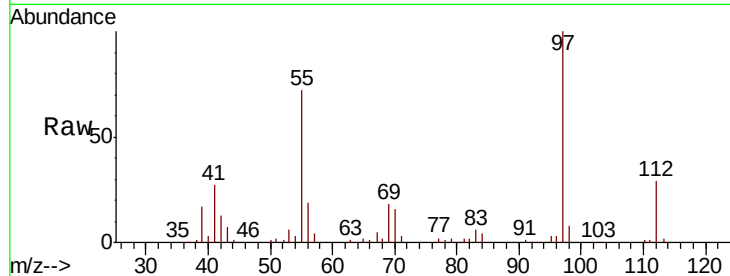




#51
 4-Methyl-2-Pentanone
 Concen: 2.522 ug/l
 RT: 8.66 min Scan# 1232
 Delta R.T. 0.02 min
 Lab File: VX011533.D
 Acq: 13 Aug 2019 14:07

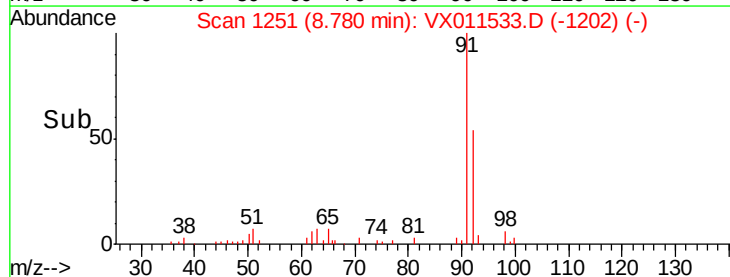
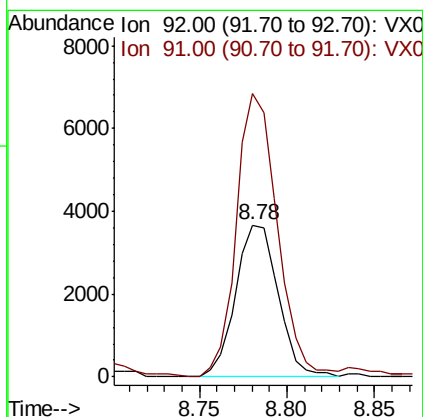
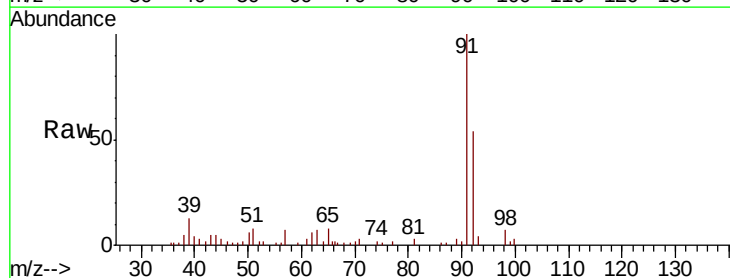
Instrument :
 MSVOA_X
 ClientSampled :
 Z3-0672

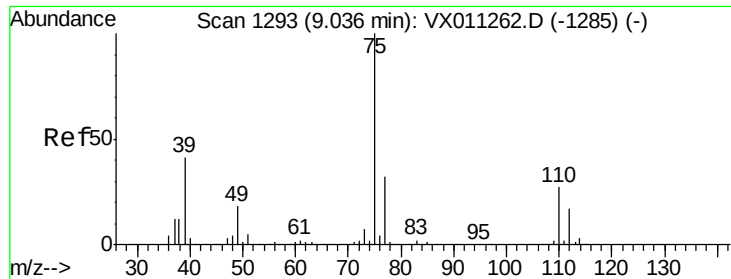
Tgt Ion: 43 Resp: 6997
 Ion Ratio Lower Upper
 43 100
 58 0.0 32.3 48.5#



#52
 Toluene
 Concen: 1.178 ug/l
 RT: 8.78 min Scan# 1251
 Delta R.T. 0.00 min
 Lab File: VX011533.D
 Acq: 13 Aug 2019 14:07

Tgt Ion: 92 Resp: 6230
 Ion Ratio Lower Upper
 92 100
 91 178.7 139.4 209.0

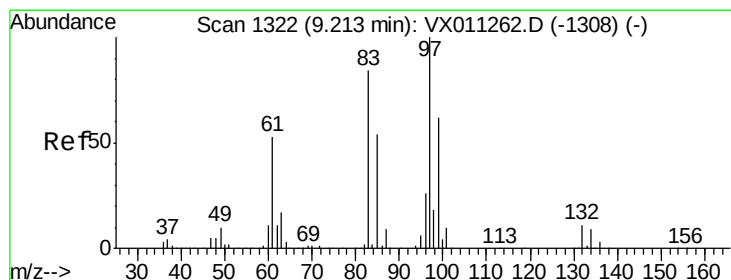
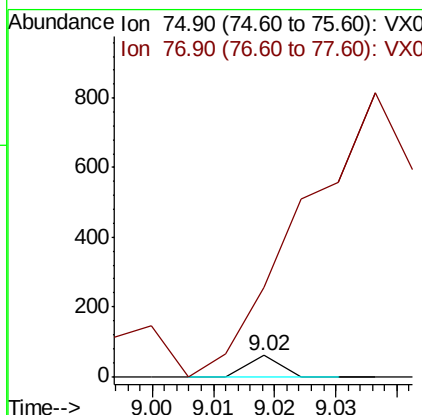
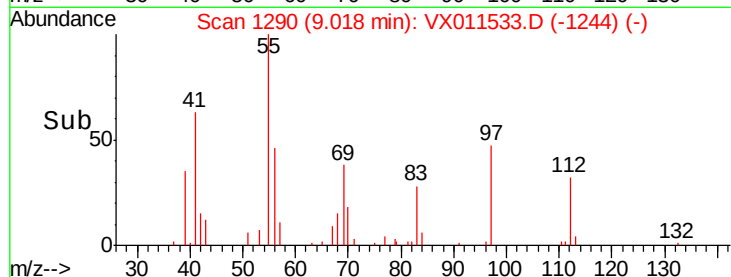
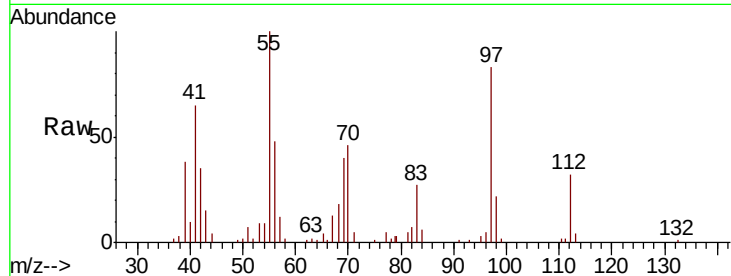




#53
t-1,3-Dichloropropene
Concen: 2.845 ug/l
RT: 9.02 min Scan# 1290
Delta R.T. -0.02 min
Lab File: VX011533.D
Acq: 13 Aug 2019 14:07

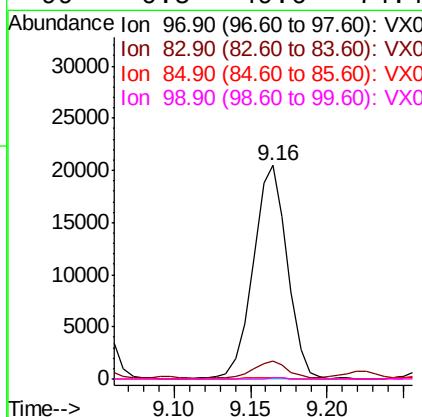
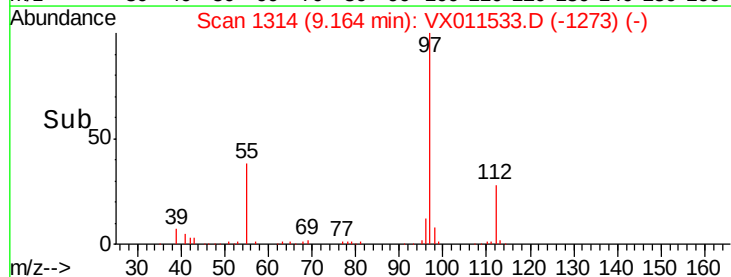
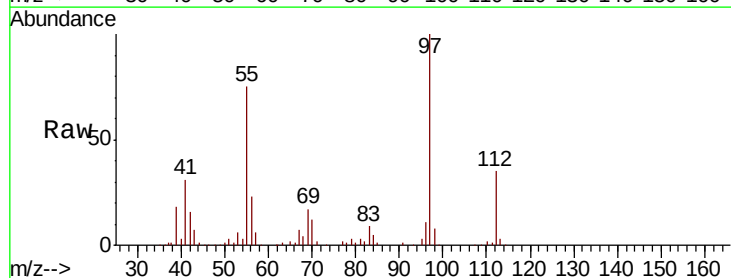
Instrument :
MSVOA_X
ClientSampleId :
Z3-0672

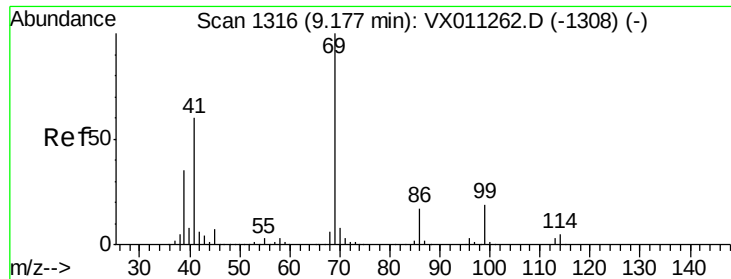
Tgt Ion: 75 Resp: 22
Ion Ratio Lower Upper
75 100
77 428.3 25.4 38.0#



#55
1,1,2-Trichloroethane
Concen: 14.513 ug/l
RT: 9.16 min Scan# 1314
Delta R.T. -0.05 min
Lab File: VX011533.D
Acq: 13 Aug 2019 14:07

Tgt Ion: 97 Resp: 31562
Ion Ratio Lower Upper
97 100
83 8.1 67.6 101.4#
85 0.6 43.4 65.0#
99 0.5 49.6 74.4#





#56

Ethyl methacrylate

Concen: 2.074 ug/l

RT: 9.16 min Scan# 1313

Delta R.T. -0.02 min

Lab File: VX011533.D

Acq: 13 Aug 2019 14:07

Instrument :

MSVOA_X

ClientSampled :

Z3-0672

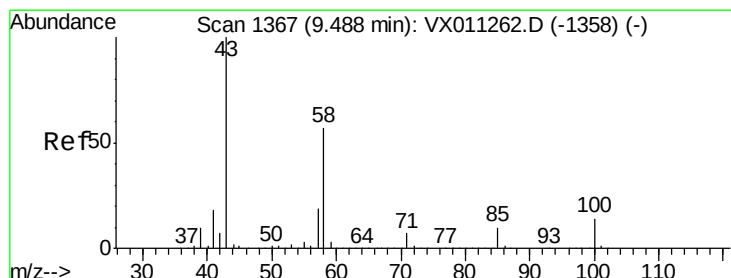
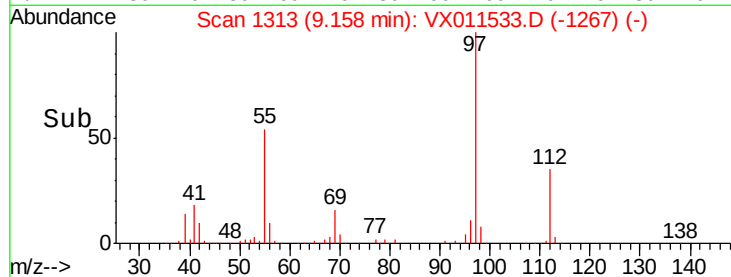
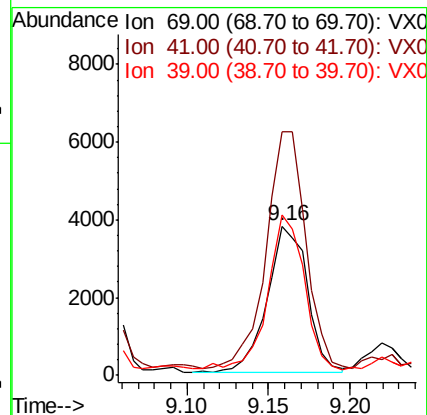
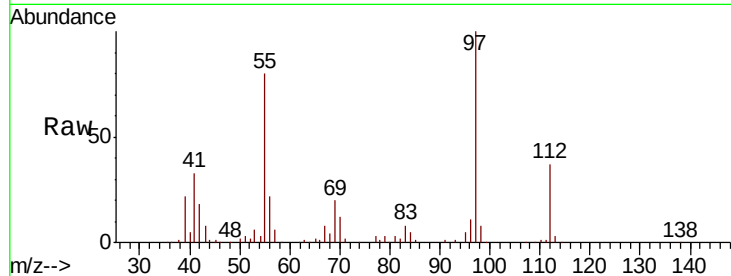
Tgt Ion: 69 Resp: 6428

Ion Ratio Lower Upper

69 100

41 160.4 48.6 73.0#

39 97.3 29.4 44.2#



#59

2-Hexanone

Concen: 0.392 ug/l

RT: 9.49 min Scan# 1368

Delta R.T. 0.01 min

Lab File: VX011533.D

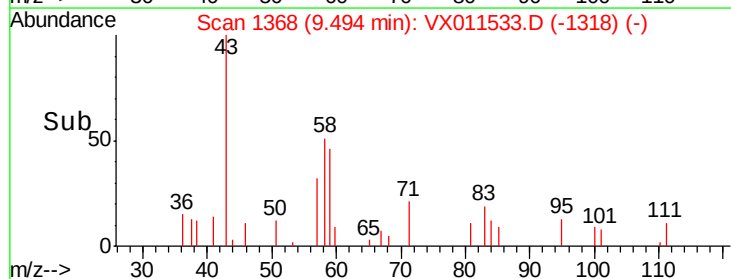
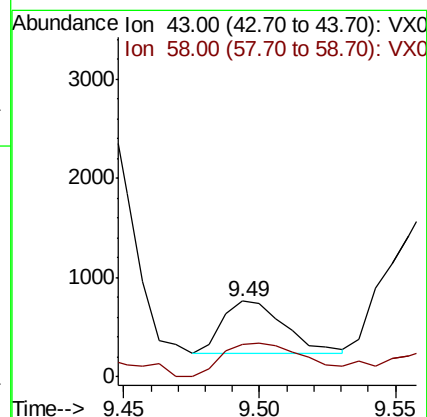
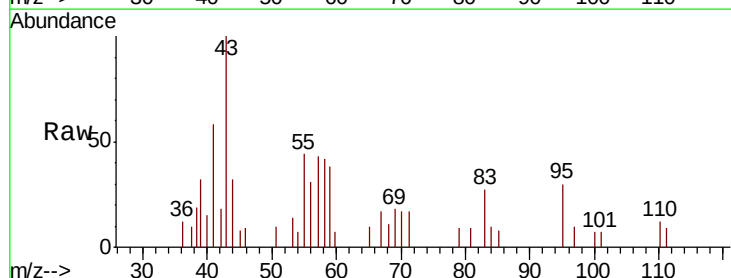
Acq: 13 Aug 2019 14:07

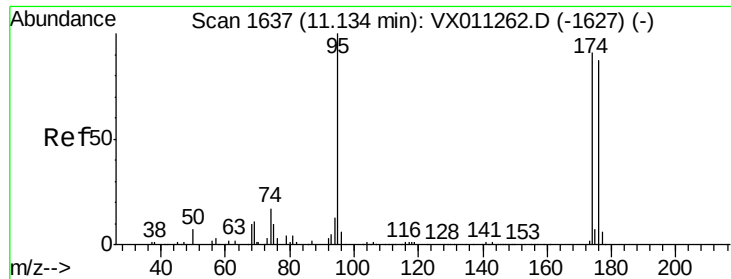
Tgt Ion: 43 Resp: 842

Ion Ratio Lower Upper

43 100

58 87.1 28.2 84.6#





#62

4-Bromofluorobenzene

Concen: 50.498 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX011533.D

Acq: 13 Aug 2019 14:07

Instrument :

MSVOA_X

ClientSampleId :

Z3-0672

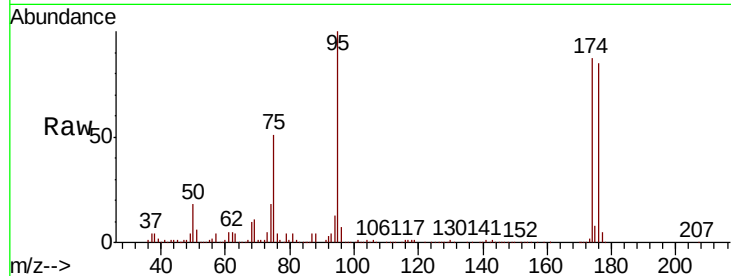
Tgt Ion: 95 Resp: 136434

Ion Ratio Lower Upper

95 100

174 88.6 0.0 191.2

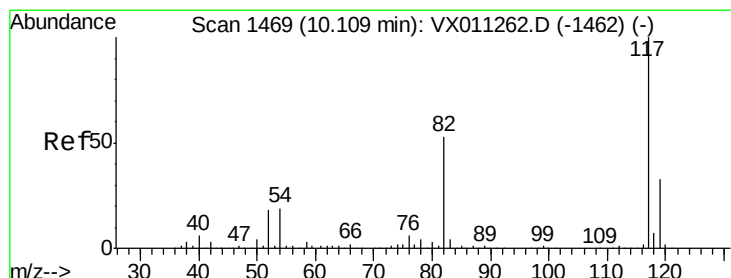
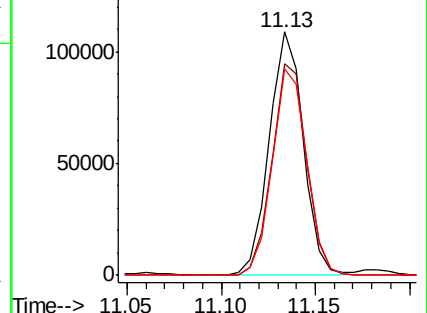
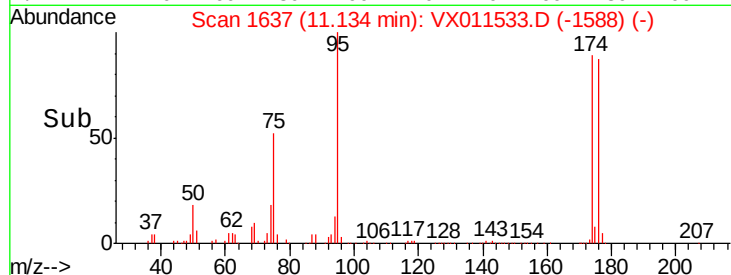
176 86.0 0.0 184.8



Abundance Ion 94.90 (94.60 to 95.60): VX011533.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX011533.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX011533.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX011533.D

Acq: 13 Aug 2019 14:07

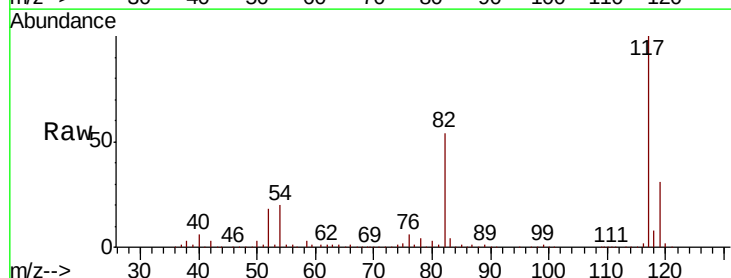
Tgt Ion: 117 Resp: 276601

Ion Ratio Lower Upper

117 100

82 54.2 42.2 63.2

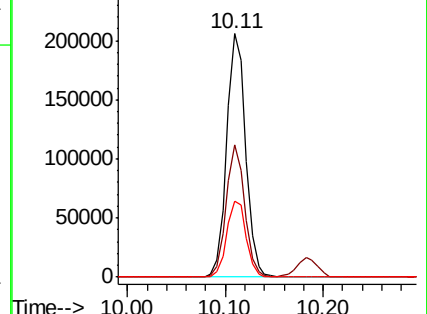
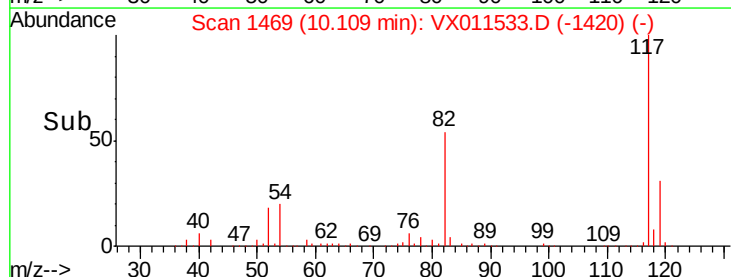
119 31.4 26.6 39.8

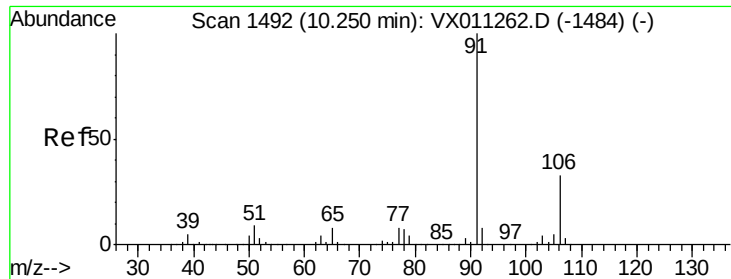


Abundance Ion 116.90 (116.60 to 117.60): VX011533.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX011533.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX011533.D (-1420) (-)





#67

Ethyl Benzene

Concen: 429.095 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX011533.D

Acq: 13 Aug 2019 14:07

Instrument :

MSVOA_X

ClientSampleId :

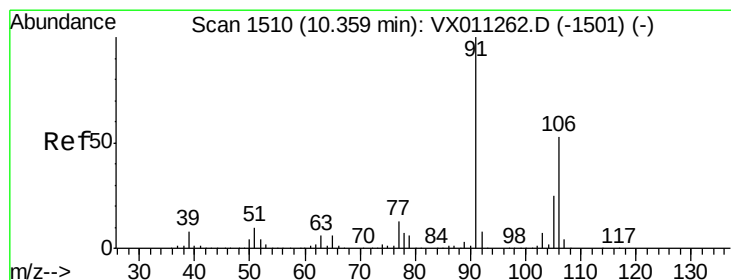
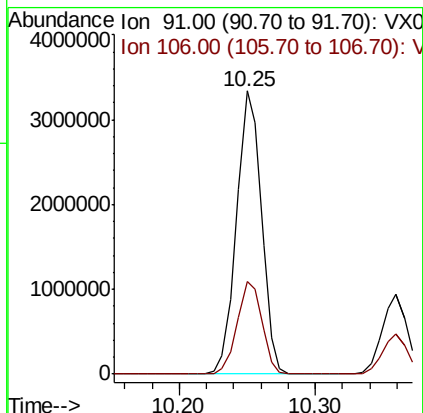
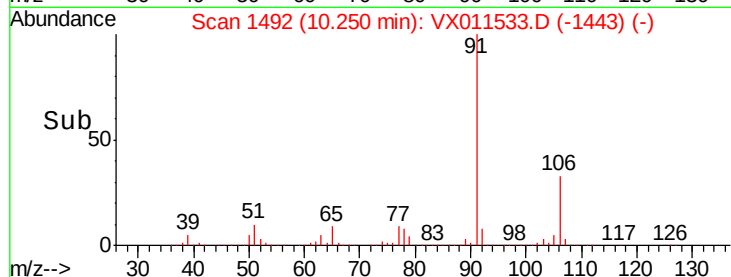
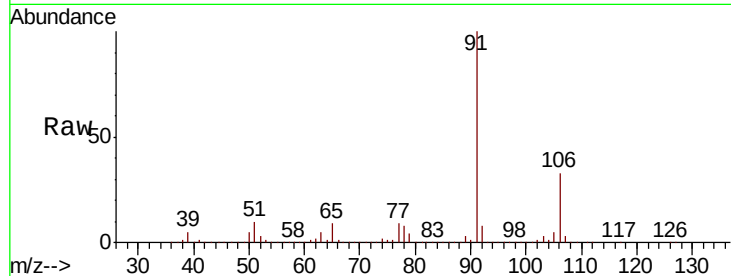
Z3-0672

Tgt Ion: 91 Resp: 4261944

Ion Ratio Lower Upper

91 100

106 32.6 26.2 39.4



#68

m/p-Xylenes

Concen: 156.530 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX011533.D

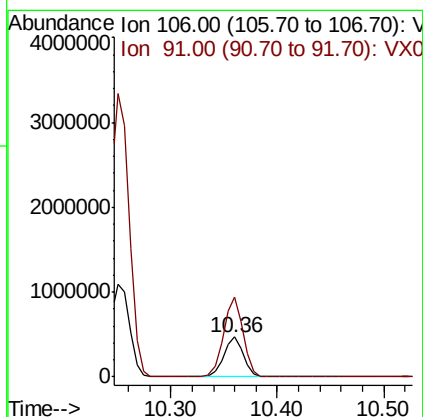
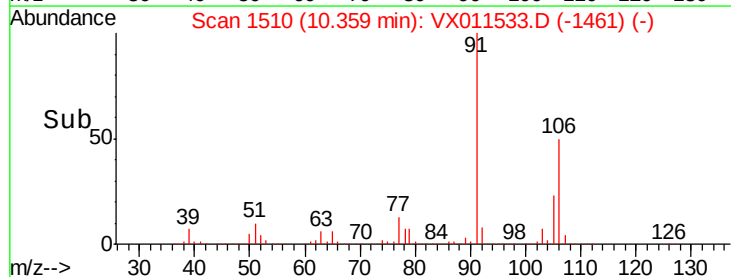
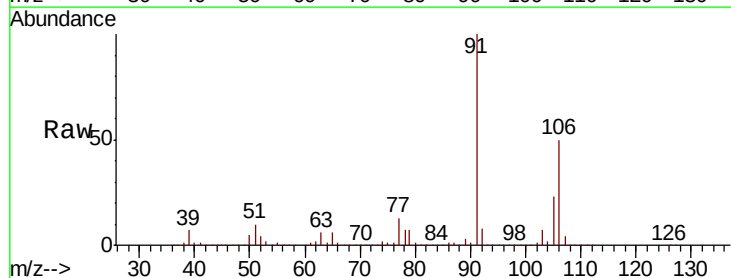
Acq: 13 Aug 2019 14:07

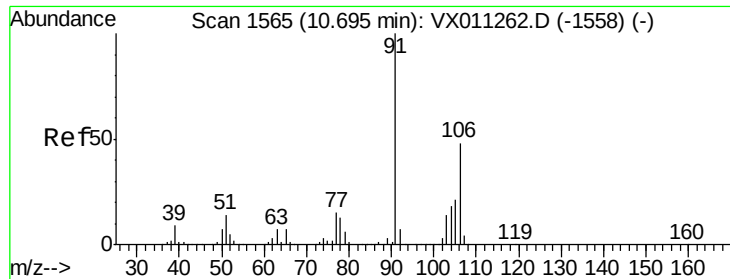
Tgt Ion: 106 Resp: 601362

Ion Ratio Lower Upper

106 100

91 201.3 155.9 233.9

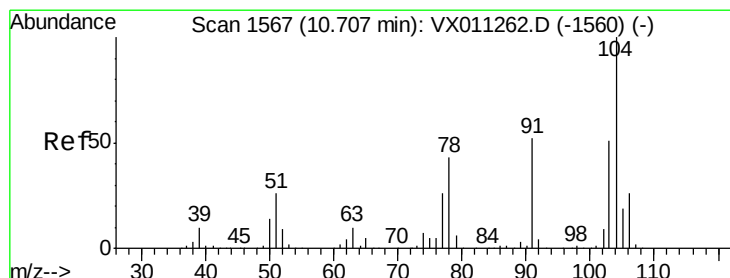
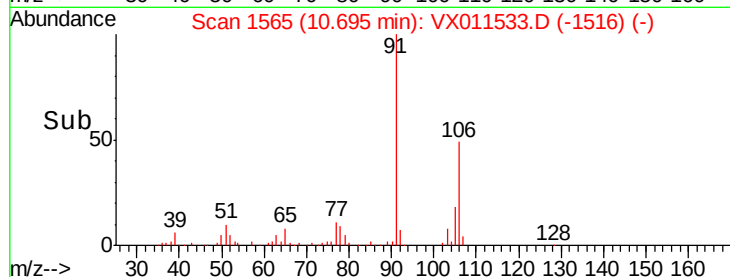
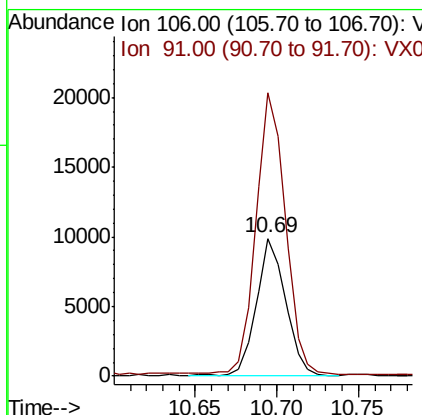
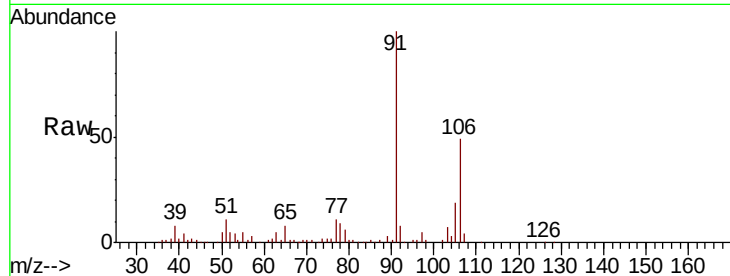




#69
o-Xylene
Concen: 3.313 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX011533.D
Acq: 13 Aug 2019 14:07

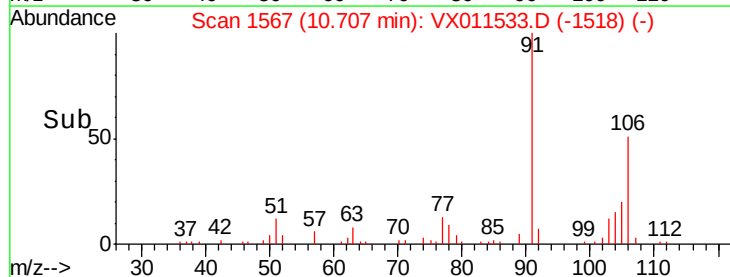
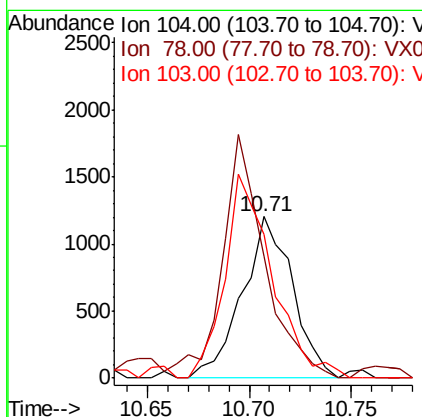
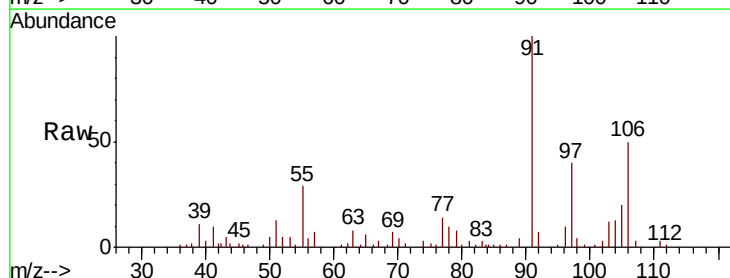
Instrument :
MSVOA_X
ClientSampled :
Z3-0672

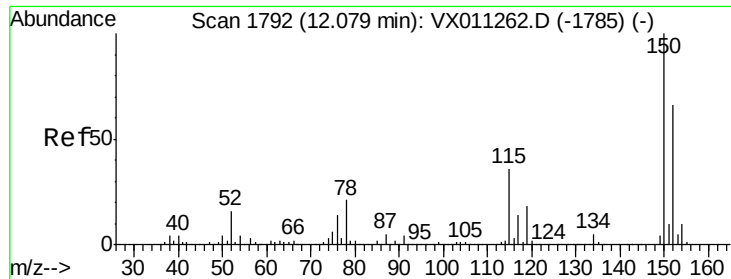
Tgt Ion:106 Resp: 12507
Ion Ratio Lower Upper
106 100
91 203.6 103.8 311.3



#70
Styrene
Concen: 0.329 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX011533.D
Acq: 13 Aug 2019 14:07

Tgt Ion:104 Resp: 2058
Ion Ratio Lower Upper
104 100
78 127.7 36.9 55.3#
103 119.2 44.4 66.6#



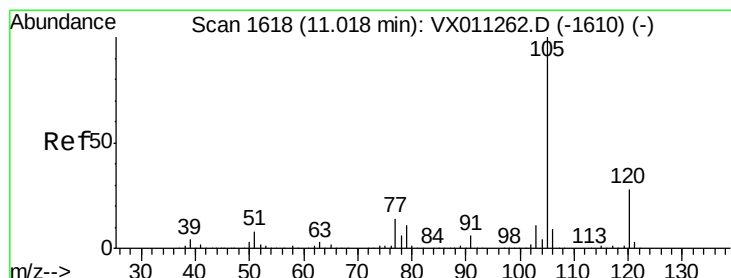
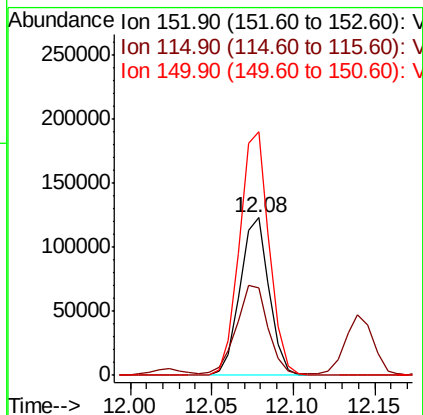
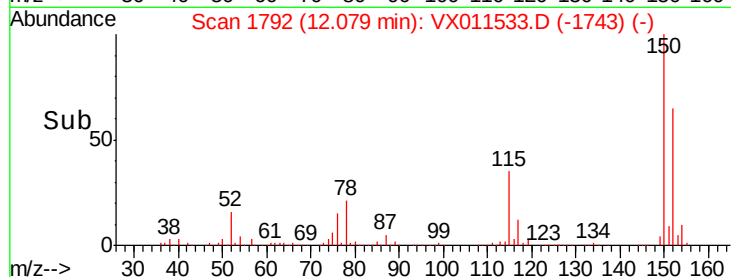
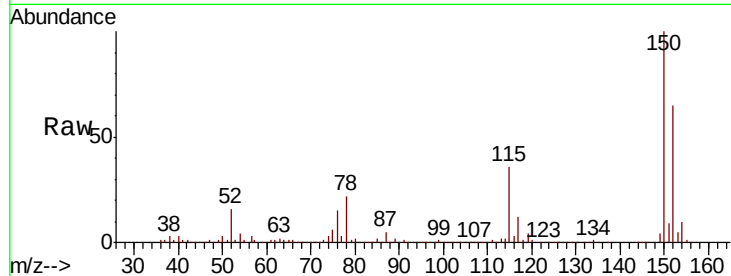


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX011533.D
Acq: 13 Aug 2019 14:07

Instrument :
MSVOA_X
ClientSampleId :
Z3-0672

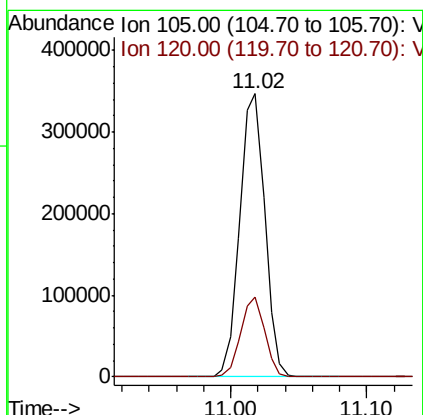
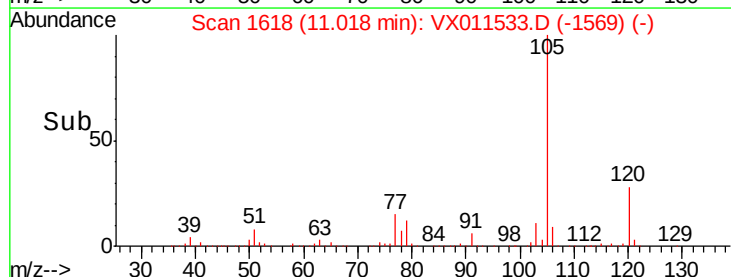
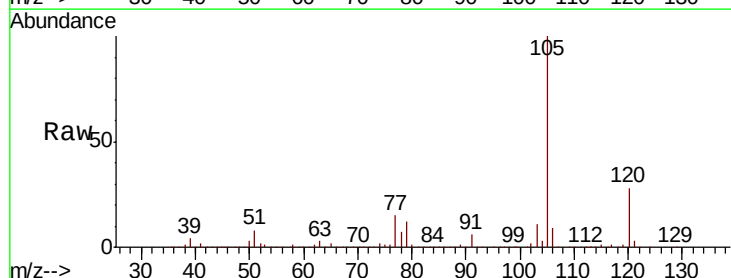
Tgt Ion:152 Resp: 152916
Ion Ratio Lower Upper
152 100
115 62.1 40.0 119.9
150 156.8 0.0 350.4

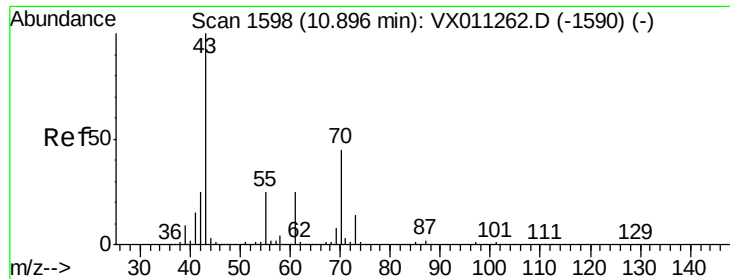


#73

Isopropylbenzene
Concen: 42.803 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VX011533.D
Acq: 13 Aug 2019 14:07

Tgt Ion:105 Resp: 447650
Ion Ratio Lower Upper
105 100
120 27.0 13.7 41.1





#74

N-ethyl acetate

Concen: 0.610 ug/l

RT: 10.91 min Scan# 1601

Delta R.T. 0.02 min

Lab File: VX011533.D

Acq: 13 Aug 2019 14:07

Instrument :

MSVOA_X

ClientSampleId :

Z3-0672

Tgt Ion: 43 Resp: 2307

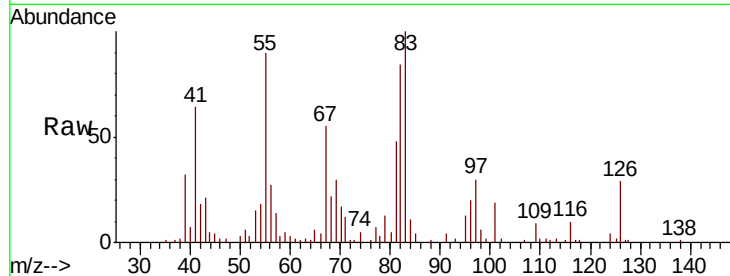
Ion Ratio Lower Upper

43 100

70 141.4 35.9 53.9#

55 557.6 19.8 29.6#

61 14.7 19.7 29.5#



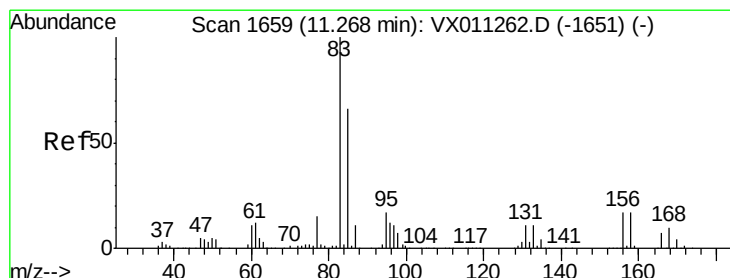
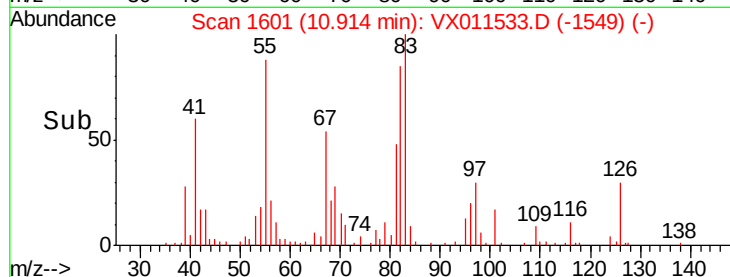
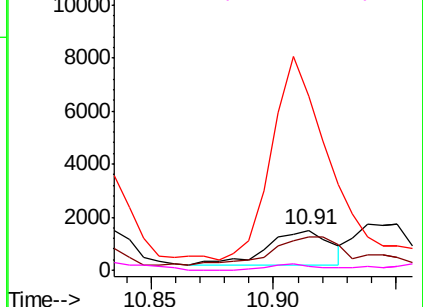
Abundance

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: 0.609 ug/l

RT: 11.27 min Scan# 1660

Delta R.T. 0.01 min

Lab File: VX011533.D

Acq: 13 Aug 2019 14:07

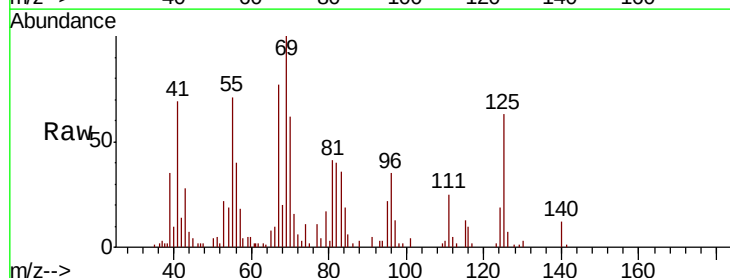
Tgt Ion: 83 Resp: 2121

Ion Ratio Lower Upper

83 100

131 16.1 5.6 16.8

85 44.7 32.1 96.5

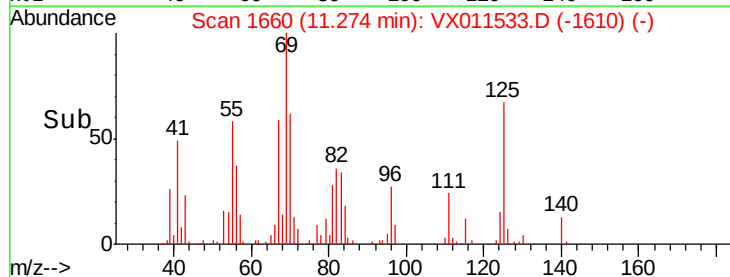
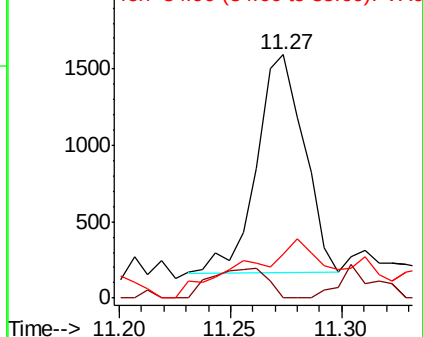


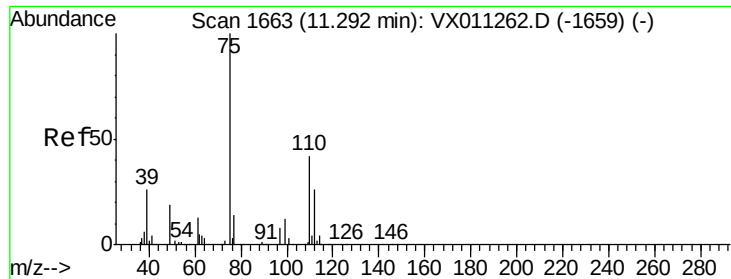
Abundance

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: 1.429 ug/l

RT: 11.35 min Scan# 1673

Delta R.T. 0.06 min

Lab File: VX011533.D

Acq: 13 Aug 2019 14:07

Instrument :

MSVOA_X

ClientSampleId :

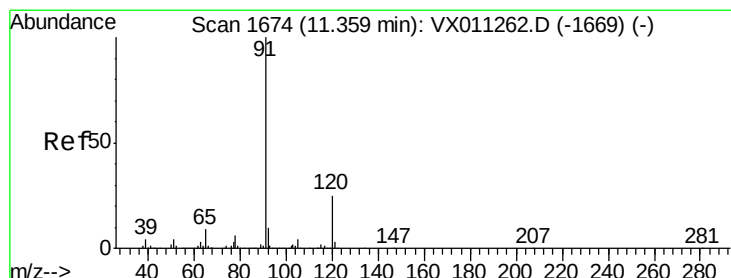
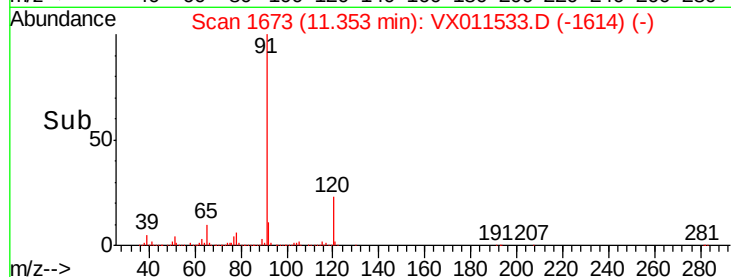
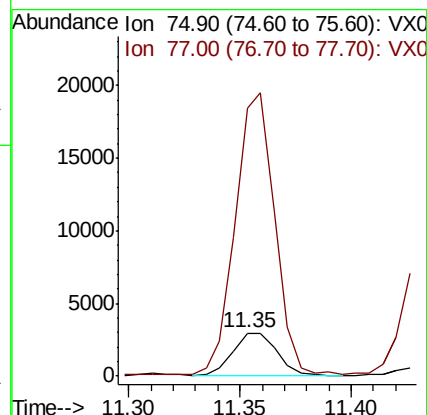
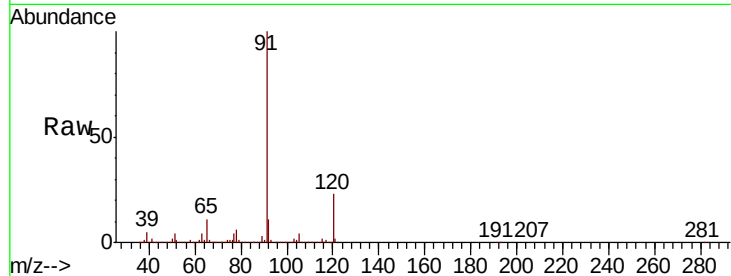
Z3-0672

Tgt Ion: 75 Resp: 3980

Ion Ratio Lower Upper

75 100

77 597.8 21.1 63.4#



#78

n-propylbenzene

Concen: 51.475 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX011533.D

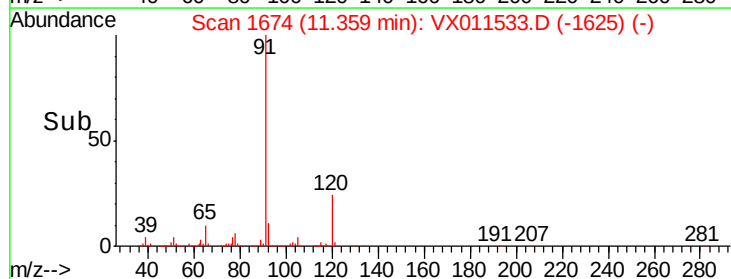
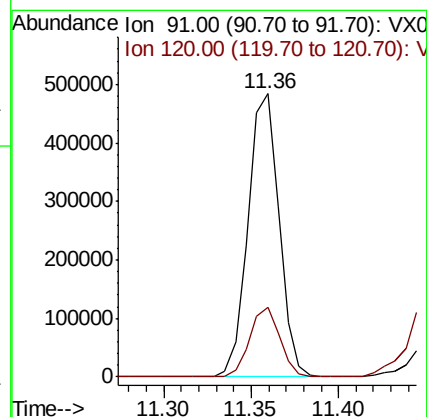
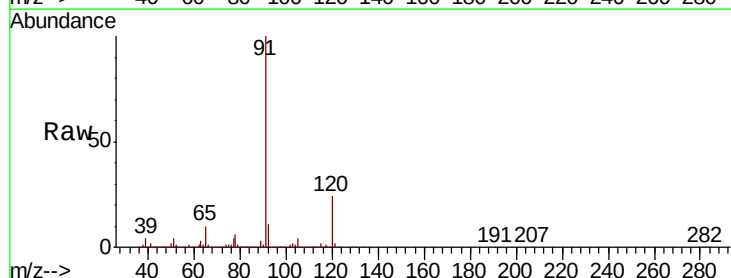
Acq: 13 Aug 2019 14:07

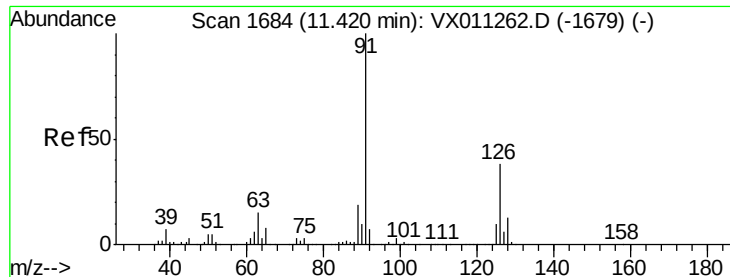
Tgt Ion: 91 Resp: 598675

Ion Ratio Lower Upper

91 100

120 23.9 12.4 37.0





#79

2-Chlorotoluene

Concen: 12.478 ug/l

RT: 11.45 min Scan# 1689

Delta R.T. 0.03 min

Lab File: VX011533.D

Acq: 13 Aug 2019 14:07

Instrument :

MSVOA_X

ClientSampleId :

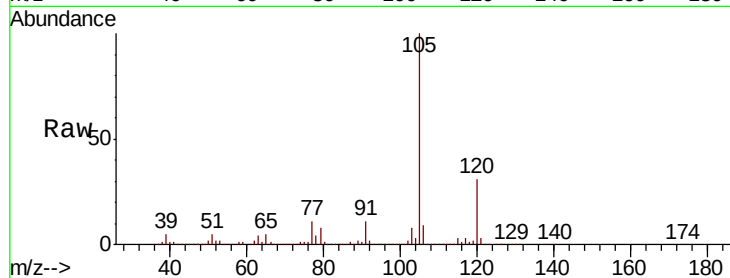
Z3-0672

Tgt Ion: 91 Resp: 86501

Ion Ratio Lower Upper

91 100

126 0.0 18.5 55.5#



Abundance Ion 91.00 (90.70 to 91.70): VX011262.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX011262.D (-1679) (-)

300000

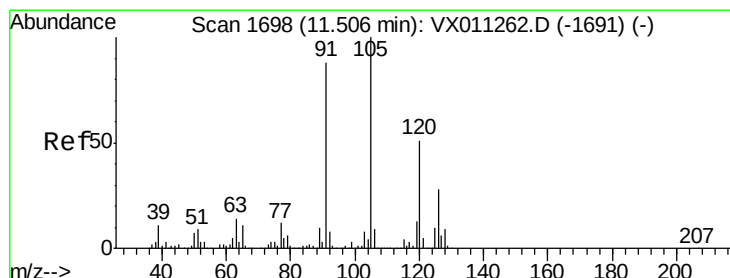
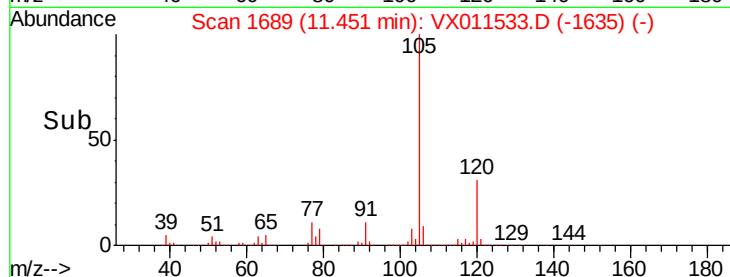
200000

100000

0

11.40 11.45 11.50

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 52.064 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX011533.D

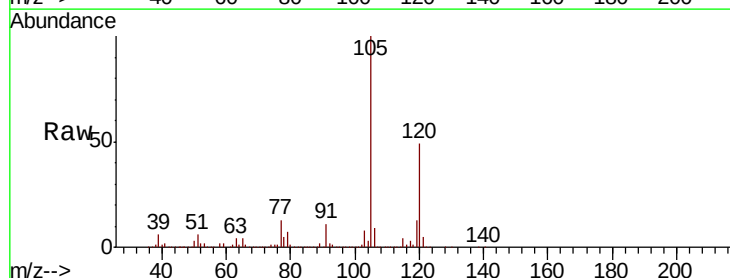
Acq: 13 Aug 2019 14:07

Tgt Ion: 105 Resp: 455812

Ion Ratio Lower Upper

105 100

120 49.1 25.1 75.2



Abundance Ion 105.00 (104.70 to 105.70): VX011262.D (-1691) (-)

Ion 120.00 (119.70 to 120.70): VX011262.D (-1691) (-)

600000

500000

400000

300000

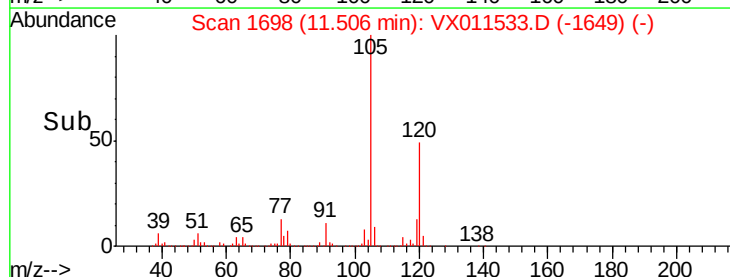
200000

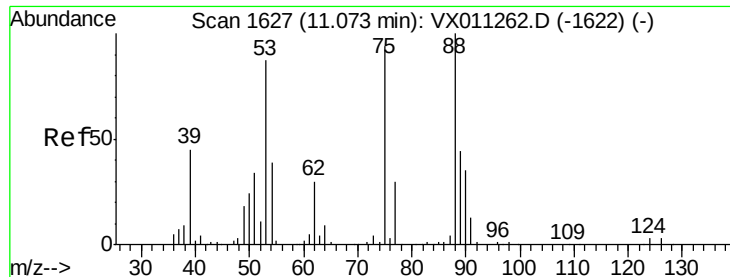
100000

0

11.45 11.50 11.55 11.60

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 9.367 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.05 min

Lab File: VX011533.D

Acq: 13 Aug 2019 14:07

Instrument :

MSVOA_X

ClientSampleId :

Z3-0672

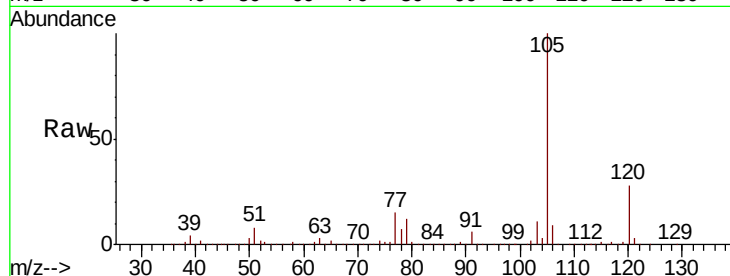
Tgt Ion: 75 Resp: 5549

Ion Ratio Lower Upper

75 100

53 82.6 78.2 117.4

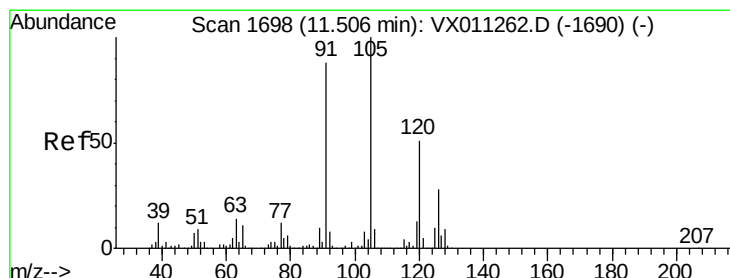
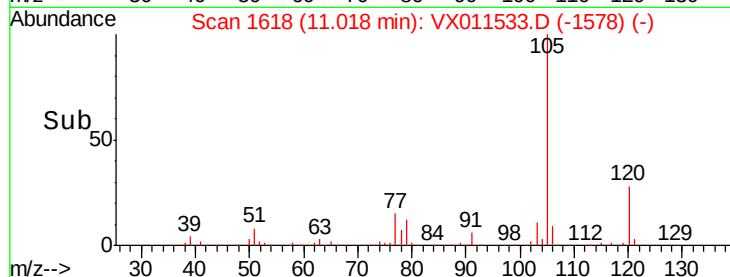
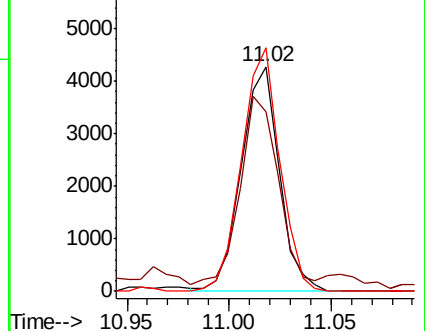
89 108.5 37.9 56.9#



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: 6.081 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX011533.D

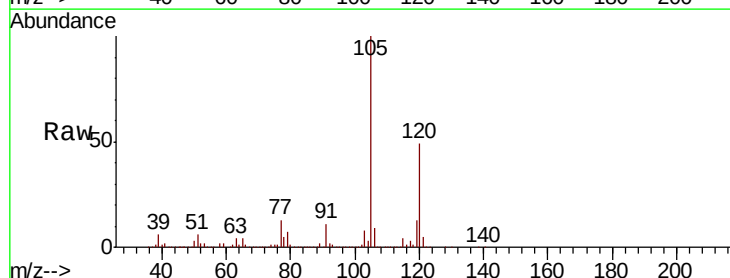
Acq: 13 Aug 2019 14:07

Tgt Ion: 91 Resp: 49123

Ion Ratio Lower Upper

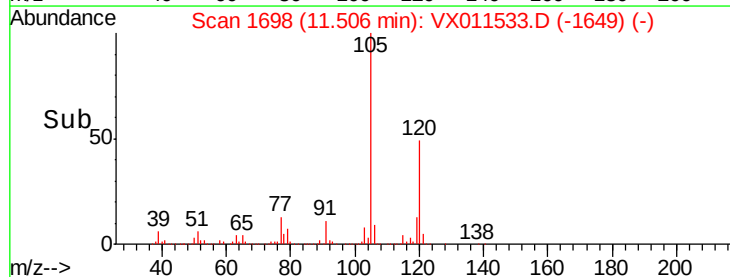
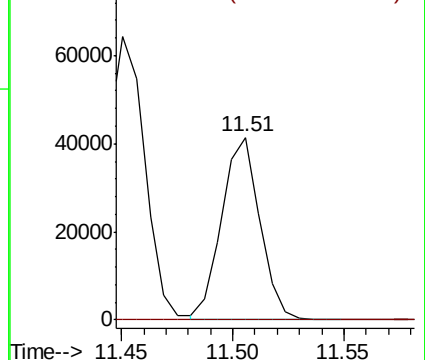
91 100

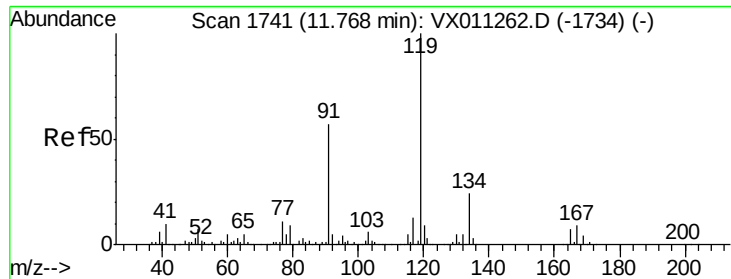
126 0.0 16.4 49.2#



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

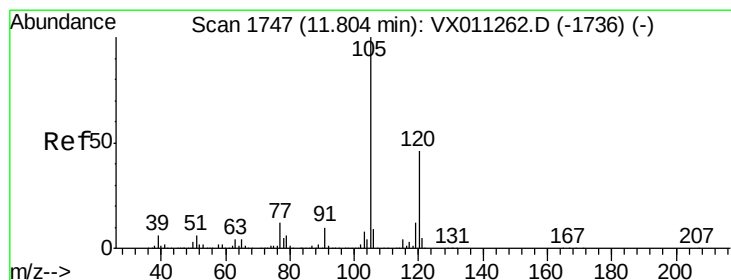
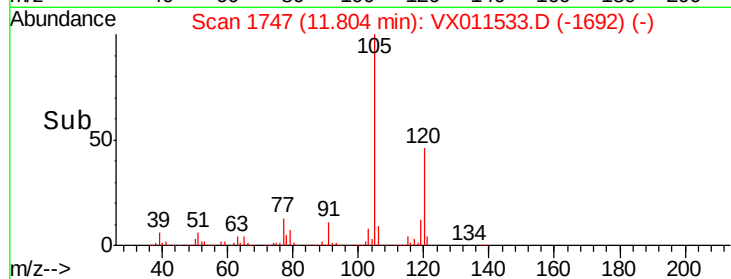
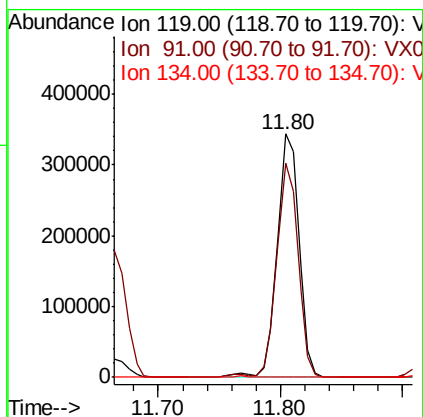
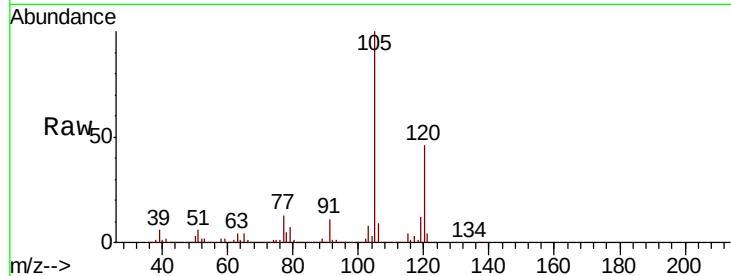




#83
 tert-Butylbenzene
 Concen: 49.546 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.04 min
 Lab File: VX011533.D
 Acq: 13 Aug 2019 14:07

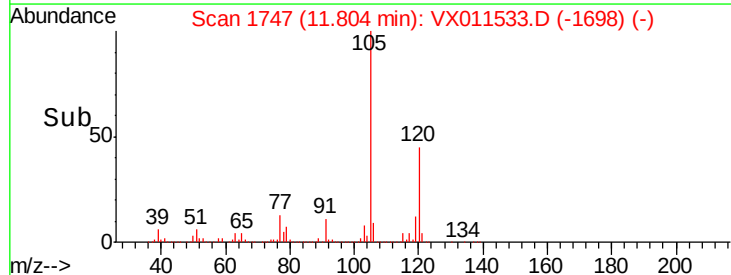
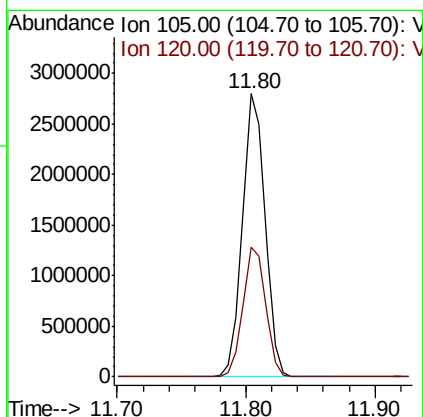
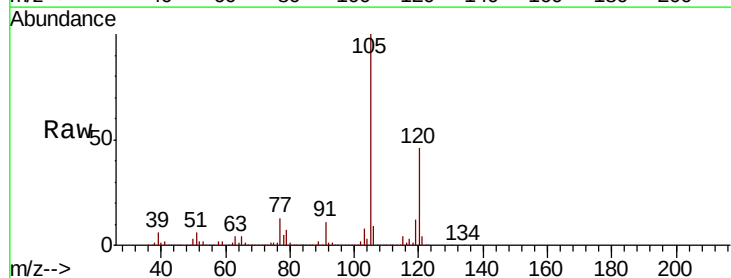
Instrument :
 MSVOA_X
 ClientSampled :
 Z3-0672

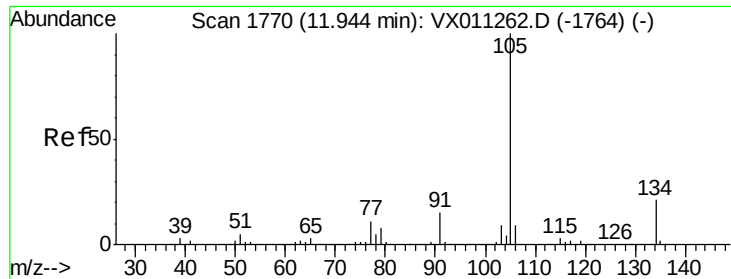
Tgt Ion:119 Resp: 425429
 Ion Ratio Lower Upper
 119 100
 91 86.9 28.0 84.0#
 134 0.0 11.9 35.5#



#84
 1,2,4-Trimethylbenzene
 Concen: 388.267 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX011533.D
 Acq: 13 Aug 2019 14:07

Tgt Ion:105 Resp: 3384318
 Ion Ratio Lower Upper
 105 100
 120 46.1 23.0 69.0





#85

sec-Butylbenzene

Concen: 328.057 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. -0.14 min

Lab File: VX011533.D

Acq: 13 Aug 2019 14:07

Instrument :

MSVOA_X

ClientSampleId :

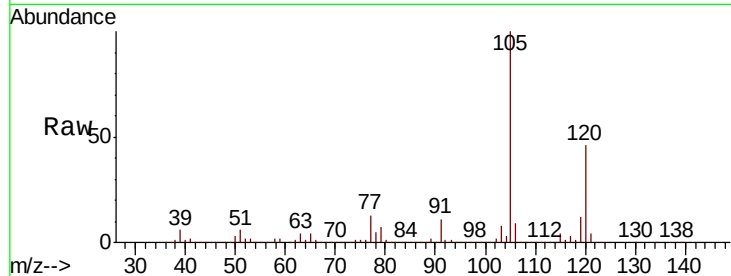
Z3-0672

Tgt Ion:105 Resp: 3384318

Ion Ratio Lower Upper

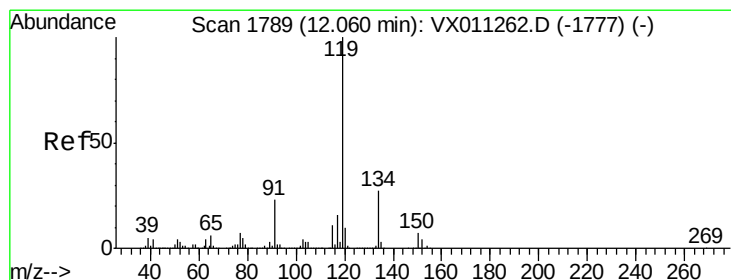
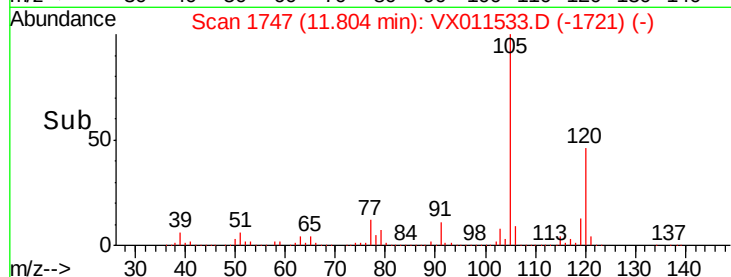
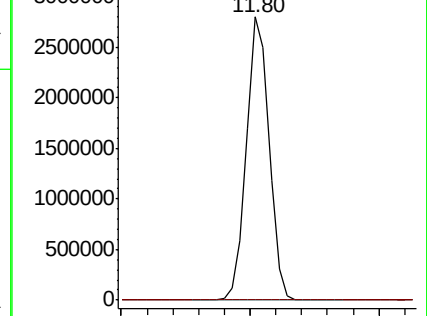
105 100

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: 10.268 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX011533.D

Acq: 13 Aug 2019 14:07

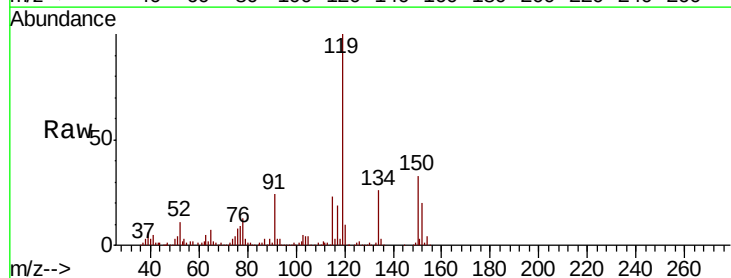
Tgt Ion:119 Resp: 97448

Ion Ratio Lower Upper

119 100

134 26.6 13.7 41.0

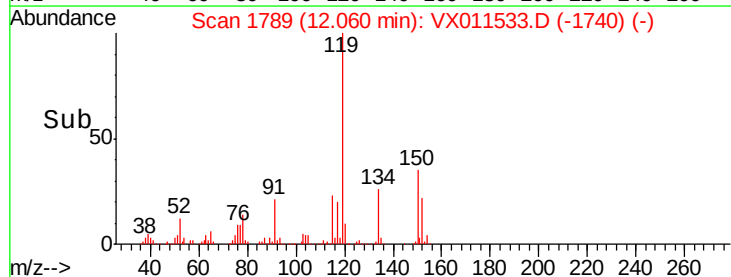
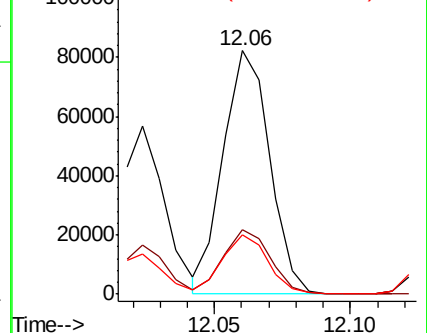
91 23.8 11.4 34.2

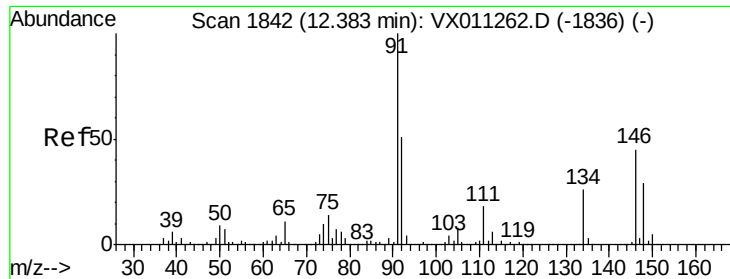


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

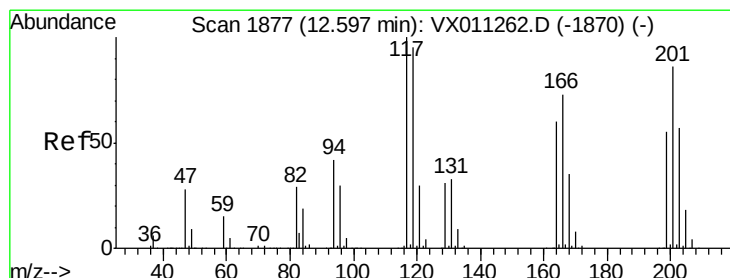
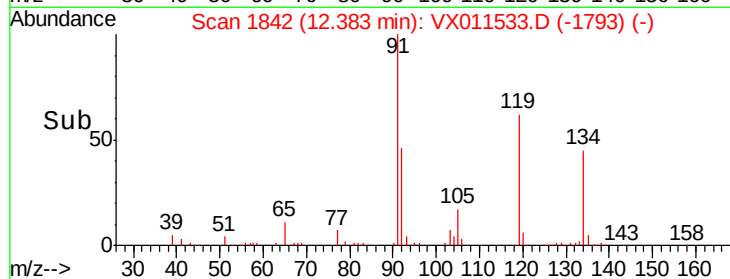
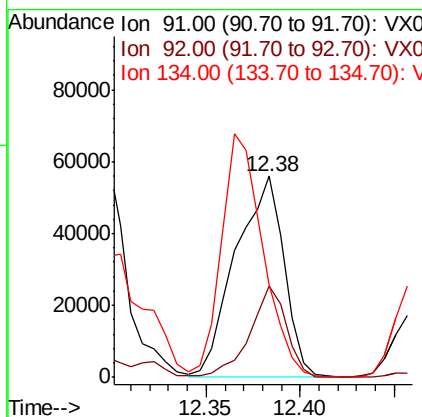
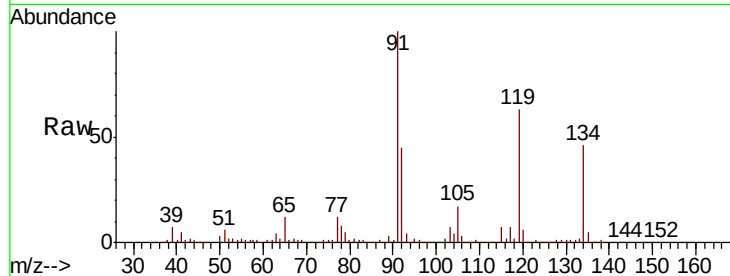




#89
n-Butylbenzene
Concen: 12.140 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX011533.D
Acq: 13 Aug 2019 14:07

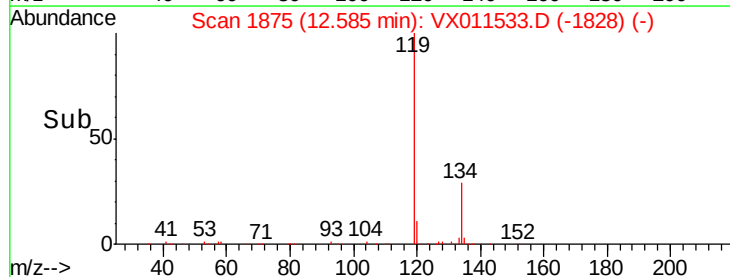
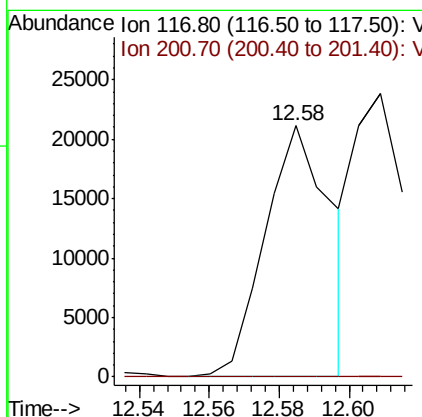
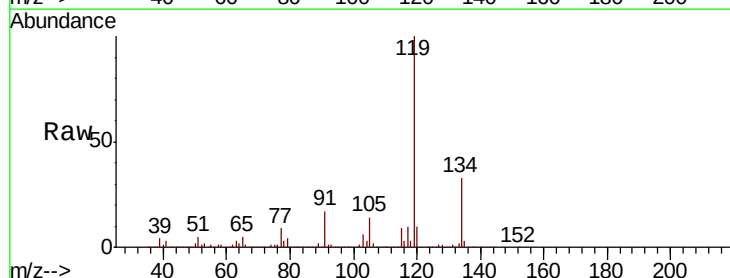
Instrument :
MSVOA_X
ClientSampled :
Z3-0672

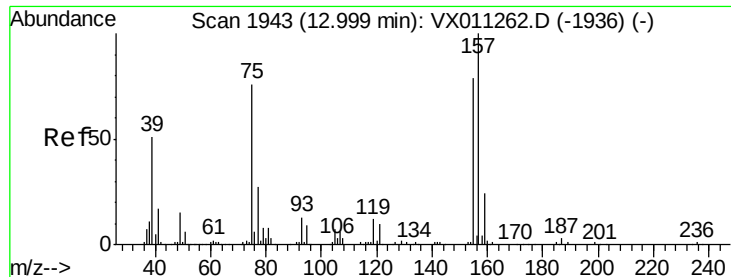
Tgt Ion: 91 Resp: 99264
Ion Ratio Lower Upper
91 100
92 34.3 25.8 77.3
134 103.8 13.7 41.0#



#90
Hexachloroethane
Concen: 19.586 ug/l
RT: 12.58 min Scan# 1875
Delta R.T. -0.01 min
Lab File: VX011533.D
Acq: 13 Aug 2019 14:07

Tgt Ion: 117 Resp: 27482
Ion Ratio Lower Upper
117 100
201 0.0 41.8 125.4#





#92

1,2-Dibromo-3-Chloropropane

Concen: 3.784 ug/l

RT: 13.01 min Scan# 1945

Delta R.T. 0.01 min

Lab File: VX011533.D

Acq: 13 Aug 2019 14:07

Instrument :

MSVOA_X

ClientSampleId :

Z3-0672

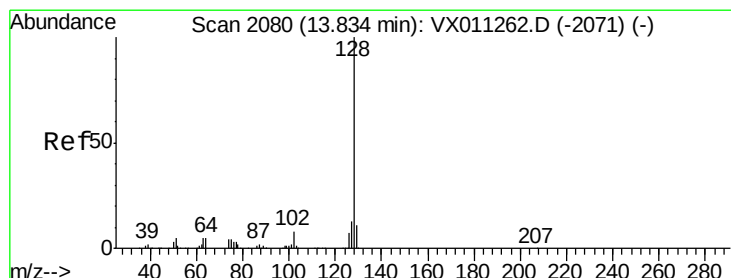
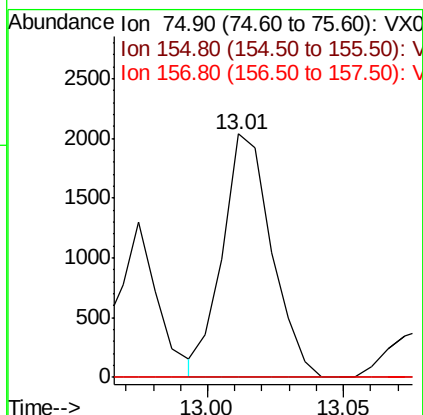
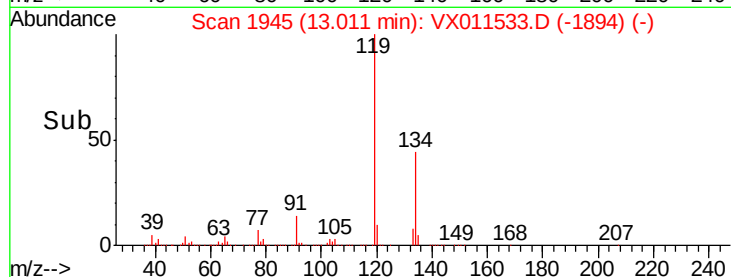
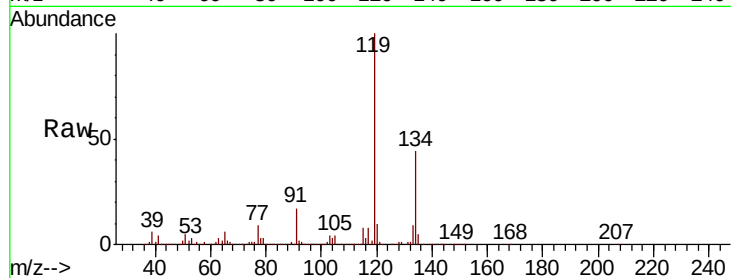
Tgt Ion: 75 Resp: 2555

Ion Ratio Lower Upper

75 100

155 0.0 51.9 155.8#

157 0.0 64.3 192.7#



#95

Naphthalene

Concen: 63.000 ug/l

RT: 13.83 min Scan# 2079

Delta R.T. -0.01 min

Lab File: VX011533.D

Acq: 13 Aug 2019 14:07

Tgt Ion: 128 Resp: 629060

Ion Ratio Lower Upper

128 100

127 13.2 10.4 15.6

129 11.5 8.9 13.3

