

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX101419\
 Data File : VX013060.D
 Acq On : 14 Oct 2019 18:26
 Operator : JC/SP
 Sample : K5313-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 15 01:28:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 11 09:48:22 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	175001	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	282573	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	242881	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	100553	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	106230	48.57	ug/l	0.00
Spiked Amount			Recovery	=	97.14%	
35) Dibromofluoromethane	5.49	113	83425	51.44	ug/l	0.00
Spiked Amount			Recovery	=	102.88%	
50) Toluene-d8	8.71	98	331502	52.41	ug/l	0.00
Spiked Amount			Recovery	=	104.82%	
62) 4-Bromofluorobenzene	11.13	95	114253	46.49	ug/l	0.00
Spiked Amount			Recovery	=	92.98%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	733	0.378	ug/l #	77
4) Vinyl Chloride	1.40	62	16581	8.275	ug/l	100
5) Bromomethane	1.65	94	242	0.291	ug/l #	3
6) Chloroethane	1.78	64	983	1.165	ug/l #	54
11) Tert butyl alcohol	3.01	59	4490	7.744	ug/l #	72
12) 1,1-Dichloroethene	2.36	96	816	0.461	ug/l #	75
13) Acrolein	2.26	56	1679	4.075	ug/l #	1
14) Allyl chloride	2.84	41	373675	118.650	ug/l #	65
15) Acrylonitrile	3.16	53	8989	8.181	ug/l #	39
16) Acetone	2.44	43	2671	2.317	ug/l	100
18) Methyl Acetate	2.84	43	941675	344.591	ug/l #	51
20) Methylene Chloride	2.83	84	2423	1.144	ug/l #	1
21) trans-1,2-Dichloroethene	3.17	96	894	0.472	ug/l #	83
25) 2-Butanone	4.67	43	1211	0.757	ug/l #	76
27) cis-1,2-Dichloroethene	4.59	96	32430	14.843	ug/l	90
31) Cyclohexane	5.57	56	225033	70.885	ug/l	98
36) 1,1-Dichloropropene	5.65	75	13861	5.579	ug/l #	50
38) Carbon Tetrachloride	5.65	117	18107	7.488	ug/l #	16
39) Methylcyclohexane	7.46	83	204281	67.802	ug/l	99
40) Benzene	6.14	78	204840	27.916	ug/l	100
43) Isopropyl Acetate	6.34	43	292308	65.557	ug/l #	60
44) Trichloroethene	7.21	130	1168	0.574	ug/l	88
45) 1,2-Dichloropropane	7.46	63	2277	1.218	ug/l #	1
48) Methyl methacrylate	7.73	41	15803	7.273	ug/l #	41
51) 4-Methyl-2-Pentanone	8.68	43	17894	6.437	ug/l #	64
52) Toluene	8.78	92	17426	3.712	ug/l	100
53) t-1,3-Dichloropropene	8.78	75	177	2.225	ug/l #	1
55) 1,1,2-Trichloroethane	9.16	97	24832	13.367	ug/l #	21
56) Ethyl methacrylate	9.16	69	5665	3.472	ug/l #	6
59) 2-Hexanone	9.30	43	492	0.227	ug/l	69
67) Ethyl Benzene	10.24	91	243030	28.367	ug/l	99
68) m/p-Xylenes	10.35	106	200730	62.715	ug/l	100
69) o-Xylene	10.70	106	4430	1.419	ug/l	93
71) Bromoform	11.12	173	92	3.193	ug/l #	29

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

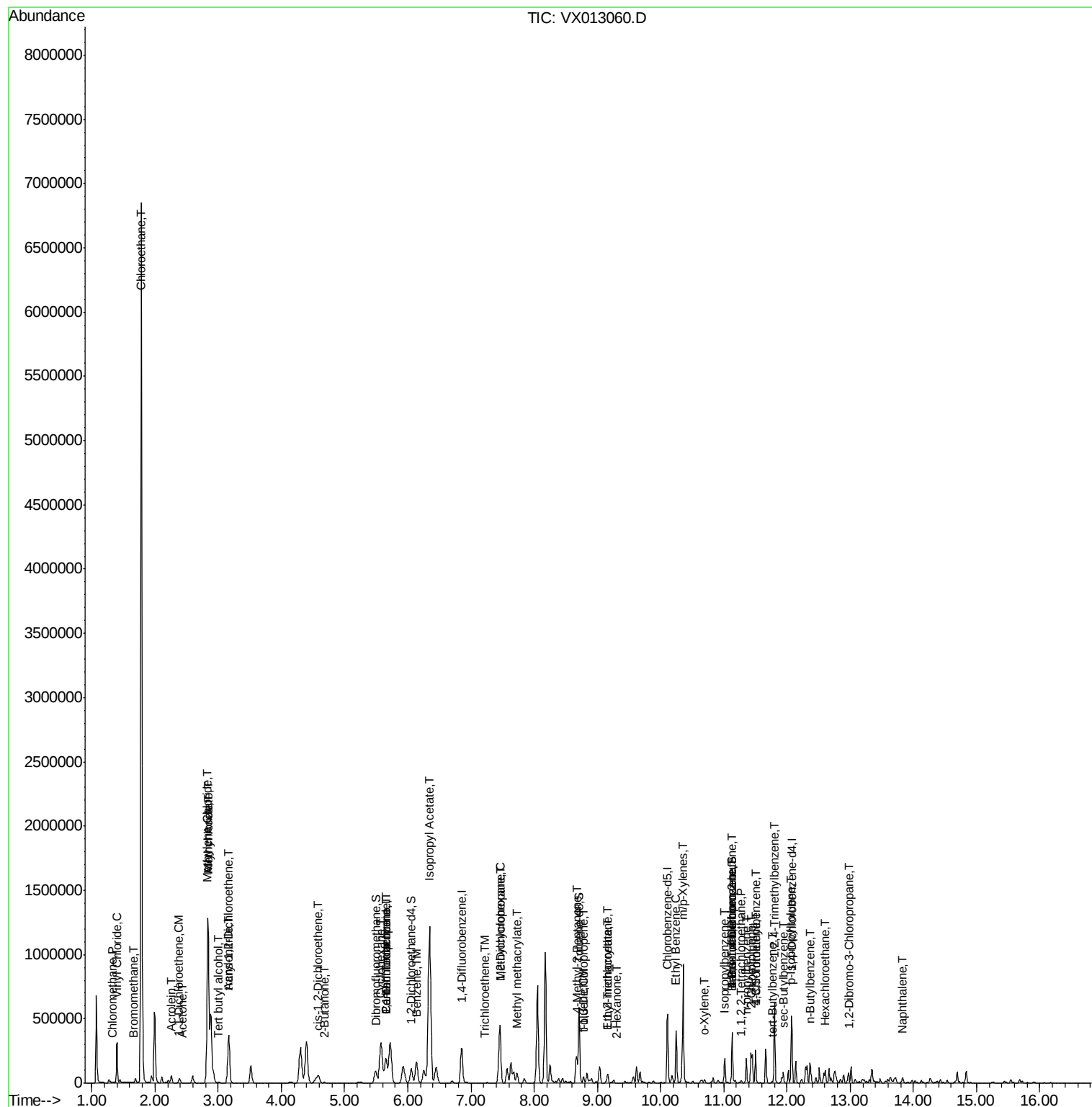
73) Isopropylbenzene	11.01	105	99826	13.503	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.28	83	931	0.379	ug/l #	32
76) 1,2,3-Trichloropropane	11.13	75	56596	25.376	ug/l #	33
78) n-propylbenzene	11.35	91	120825	14.853	ug/l	97
79) 2-Chlorotoluene	11.43	91	25724	5.032	ug/l #	42
80) 1,3,5-Trimethylbenzene	11.50	105	105676	17.119	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.13	75	56596	64.009	ug/l #	10
82) 4-Chlorotoluene	11.50	91	11274	1.924	ug/l #	46
83) tert-Butylbenzene	11.77	119	4441	0.737	ug/l	84
84) 1,2,4-Trimethylbenzene	11.81	105	279021	44.630	ug/l	97
85) sec-Butylbenzene	11.94	105	44254	6.343	ug/l #	78
86) p-Isopropyltoluene	12.06	119	27617	4.268	ug/l	99
89) n-Butylbenzene	12.38	91	23788	4.374	ug/l #	35
90) Hexachloroethane	12.60	117	3165	4.647	ug/l #	13
92) 1,2-Dibromo-3-Chloropropan	12.98	75	259	0.449	ug/l #	1
95) Naphthalene	13.83	128	25230	3.663	ug/l #	93

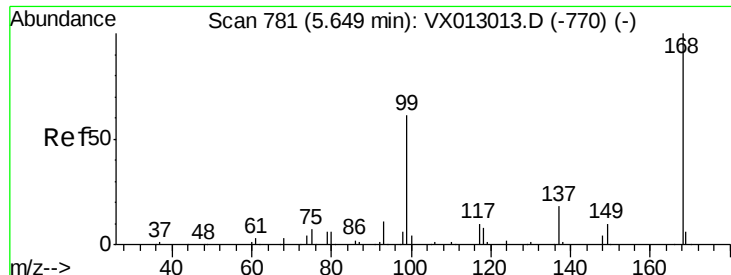
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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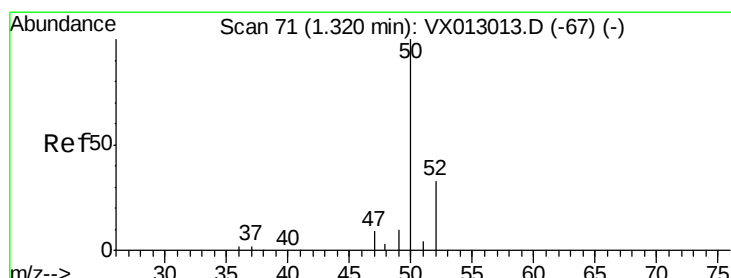
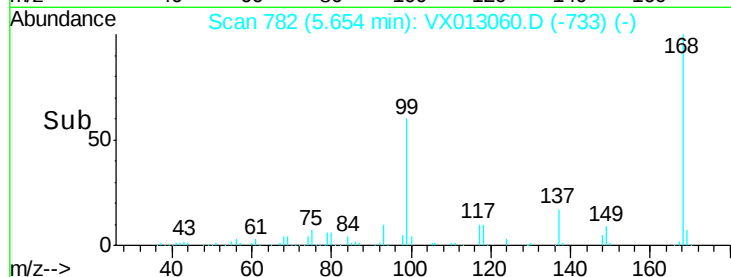
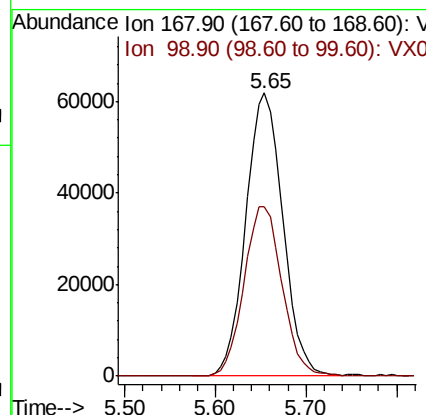
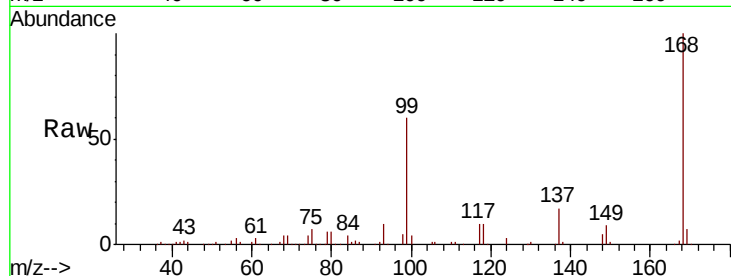




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.65 min Scan# 782
Delta R.T. -0.00 min
Lab File: VX013060.D
Acq: 14 Oct 2019 18:26

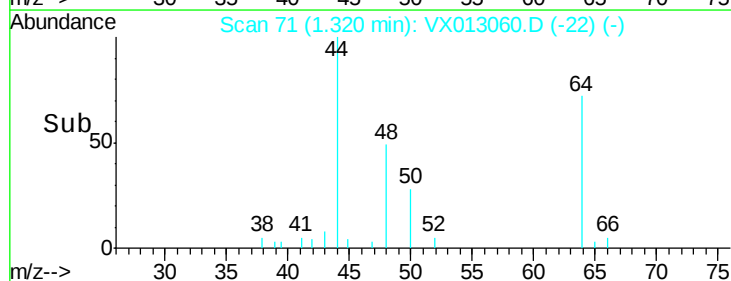
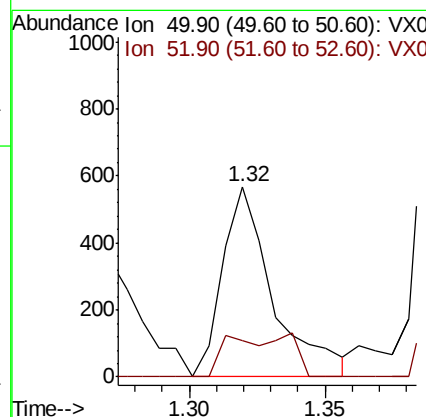
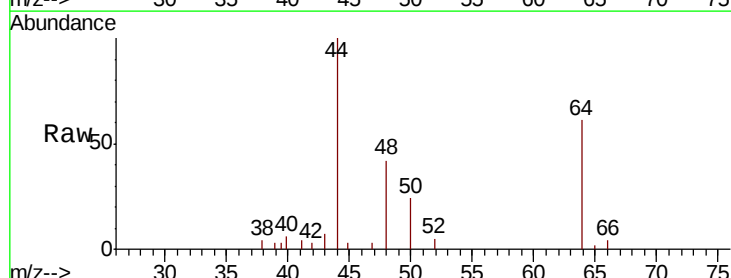
Instrument :
MSVOA_X
ClientSampleId :

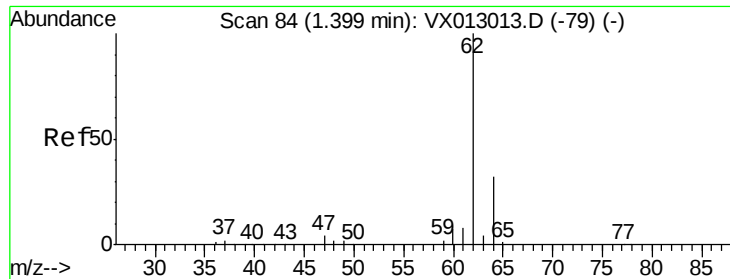
Tot Ion:168 Resp: 175001
Ion Ratio Lower Upper
168 100
99 59.9 49.4 74.0



#3
Chloromethane
Concen: 0.378 ug/l
RT: 1.32 min Scan# 71
Delta R.T. -0.00 min
Lab File: VX013060.D
Acq: 14 Oct 2019 18:26

Tgt Ion: 50 Resp: 733
Ion Ratio Lower Upper
50 100
52 18.8 25.2 37.8#





#4

Vinyl Chloride

Concen: 8.275 ug/l

RT: 1.40 min Scan# 84

Delta R.T. -0.00 min

Lab File: VX013060.D

Acq: 14 Oct 2019 18:26

Instrument :

MSVOA_X

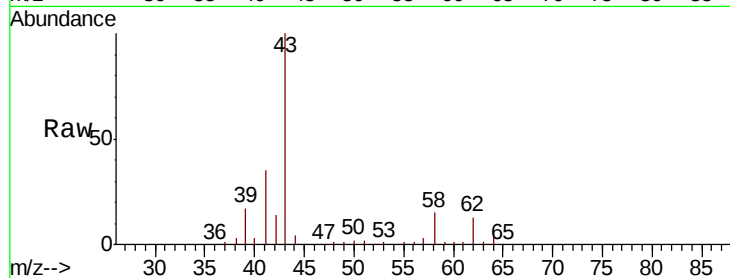
ClientSampleId :

Tot Ion: 62 Resp: 16581

Ion Ratio Lower Upper

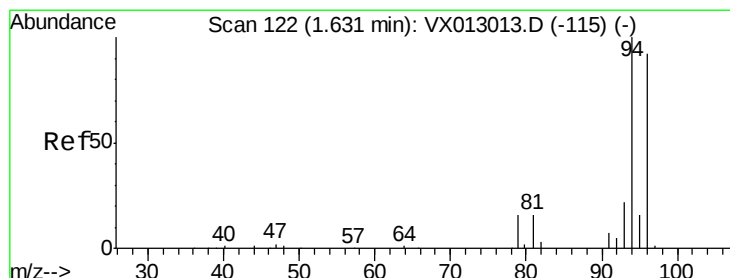
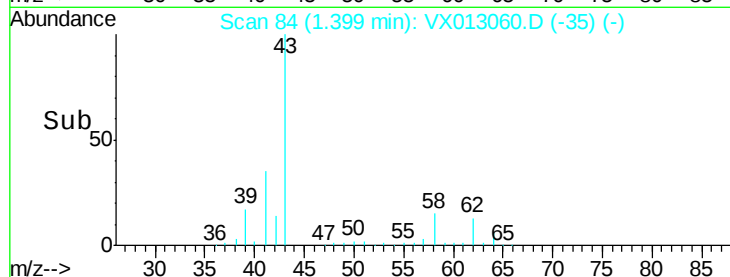
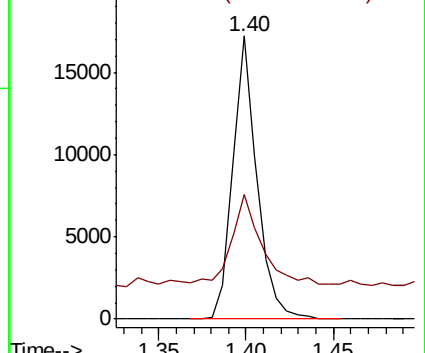
62 100

64 31.8 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



#5

Bromomethane

Concen: 0.291 ug/l

RT: 1.65 min Scan# 125

Delta R.T. 0.02 min

Lab File: VX013060.D

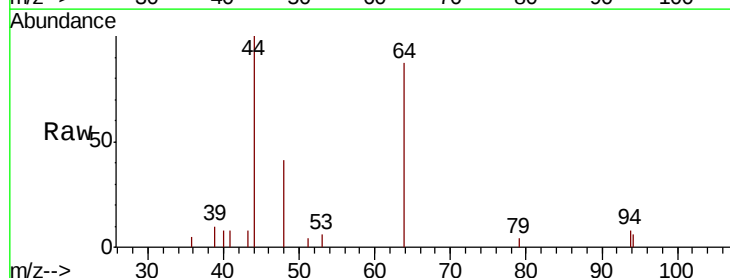
Acq: 14 Oct 2019 18:26

Tgt Ion: 94 Resp: 242

Ion Ratio Lower Upper

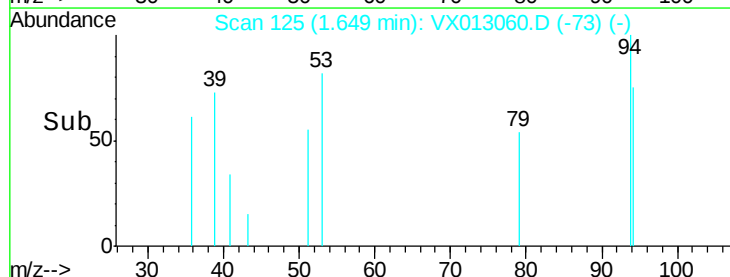
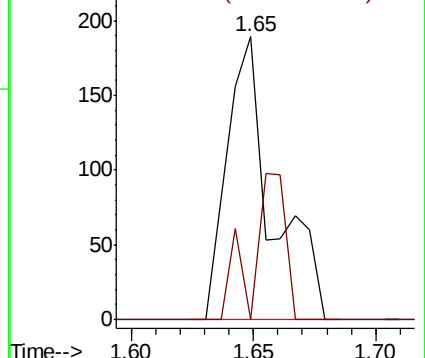
94 100

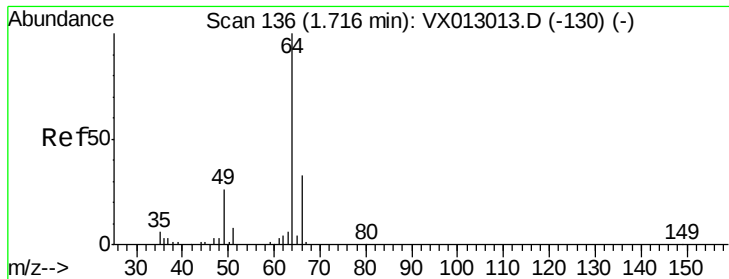
96 0.0 74.7 112.1#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 1.165 ug/l

RT: 1.78 min Scan# 146

Delta R.T. 0.07 min

Lab File: VX013060.D

Acq: 14 Oct 2019 18:26

Instrument :

MSVOA_X

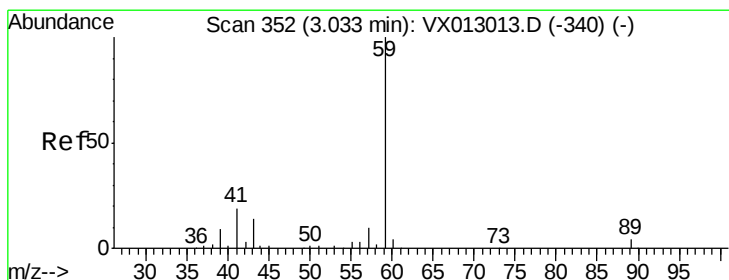
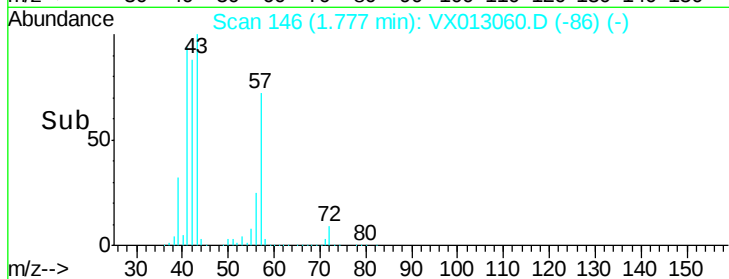
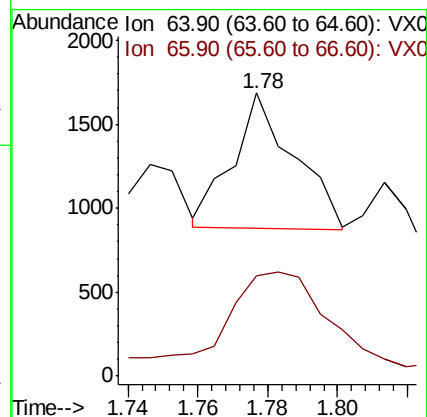
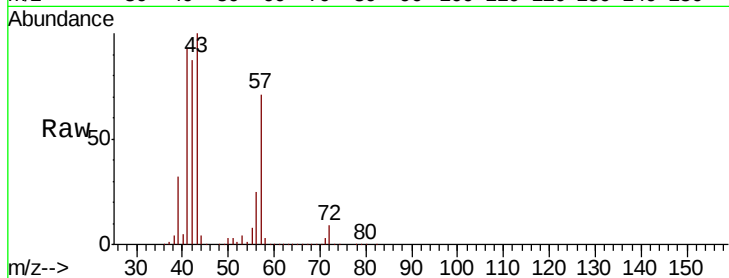
ClientSampled :

Tot Ion: 64 Resp: 983

Ion Ratio Lower Upper

64 100

66 57.8 25.6 38.4#



#11

Tert butyl alcohol

Concen: 7.744 ug/l

RT: 3.01 min Scan# 348

Delta R.T. -0.03 min

Lab File: VX013060.D

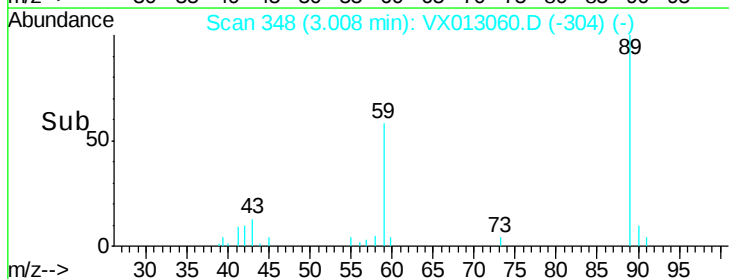
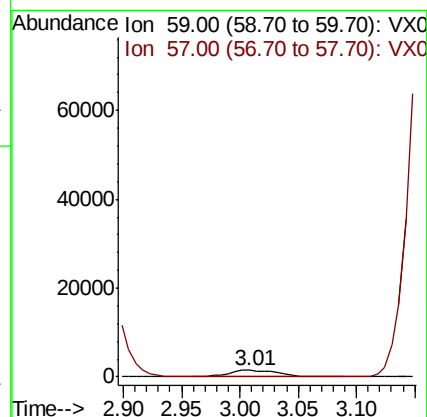
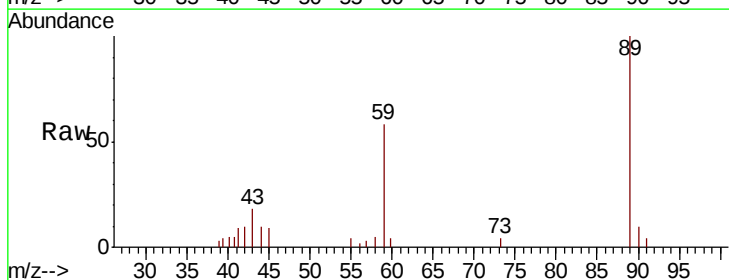
Acq: 14 Oct 2019 18:26

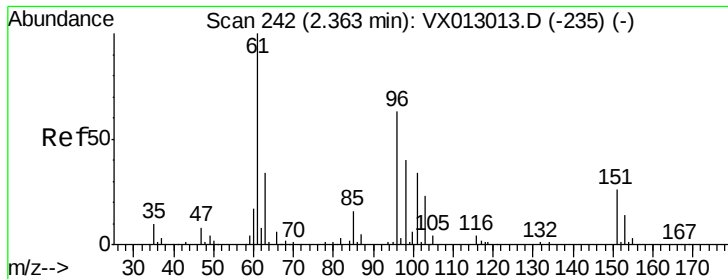
Tgt Ion: 59 Resp: 4490

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#





#12

1,1-Dichloroethene

Concen: 0.461 ug/l

RT: 2.36 min Scan# 242

Delta R.T. -0.00 min

Lab File: VX013060.D

Acq: 14 Oct 2019 18:26

Instrument :

MSVOA_X

ClientSampled :

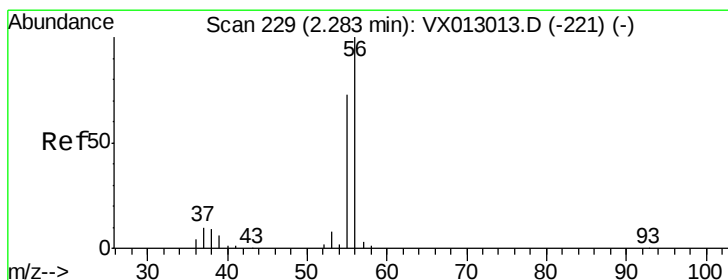
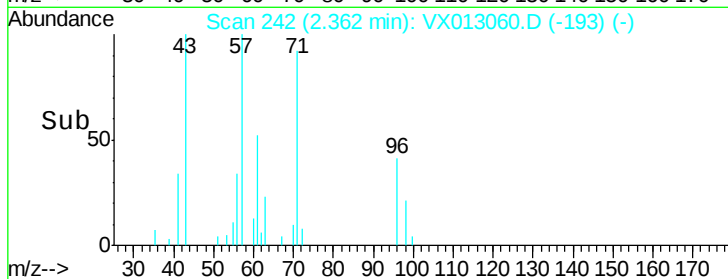
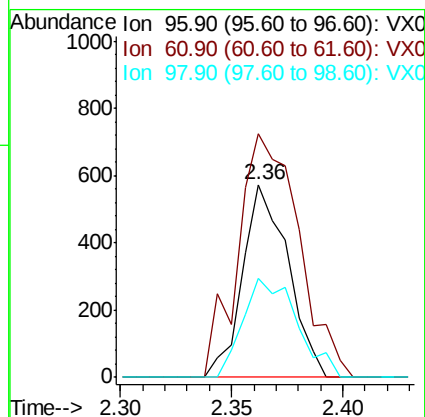
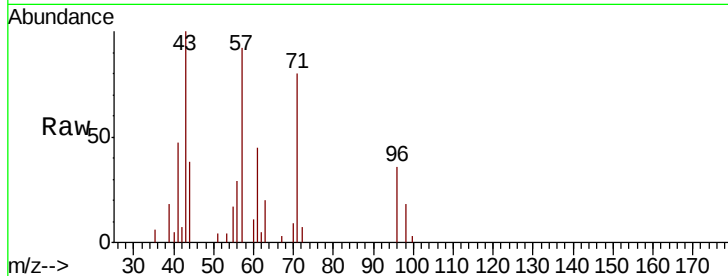
Tot Ion: 96 Resp: 816

Ion Ratio Lower Upper

96 100

61 126.5 132.2 198.4#

98 51.3 50.5 75.7



#13

Acrolein

Concen: 4.075 ug/l

RT: 2.26 min Scan# 225

Delta R.T. -0.02 min

Lab File: VX013060.D

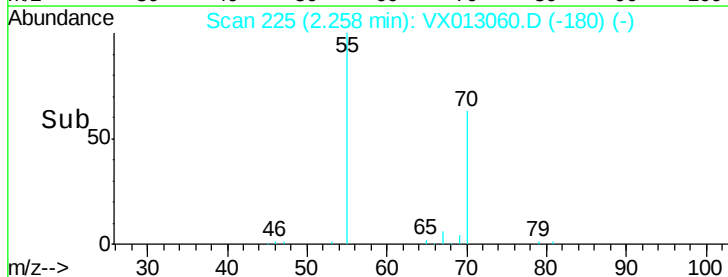
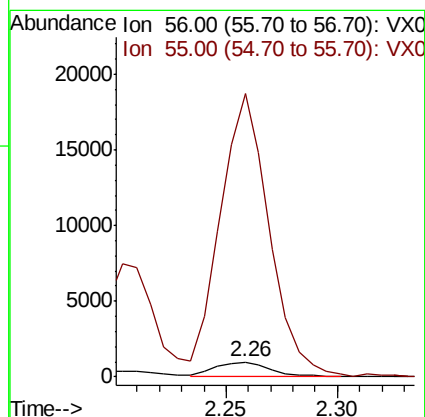
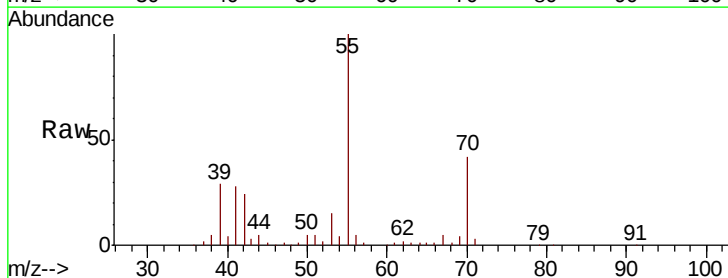
Acq: 14 Oct 2019 18:26

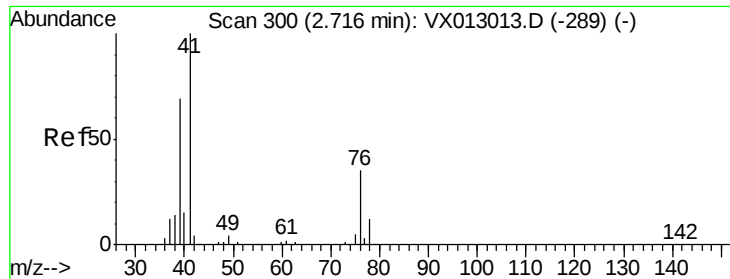
Tgt Ion: 56 Resp: 1679

Ion Ratio Lower Upper

56 100

55 1696.2 56.6 85.0#





#14

Allvl chloride

Concen: 118.650 ug/l

RT: 2.84 min Scan# 320

Delta R.T. 0.12 min

Lab File: VX013060.D

Acq: 14 Oct 2019 18:26

Instrument :

MSVOA_X

ClientSampleId :

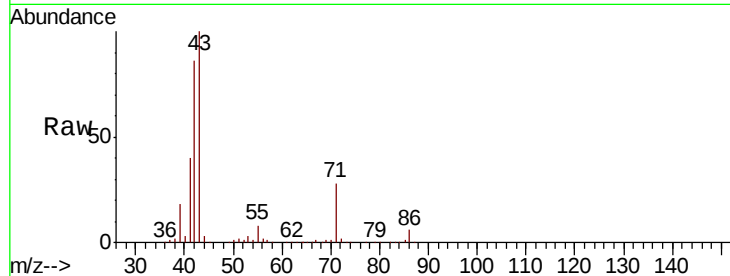
Tot Ion: 41 Resp: 373675

Ion Ratio Lower Upper

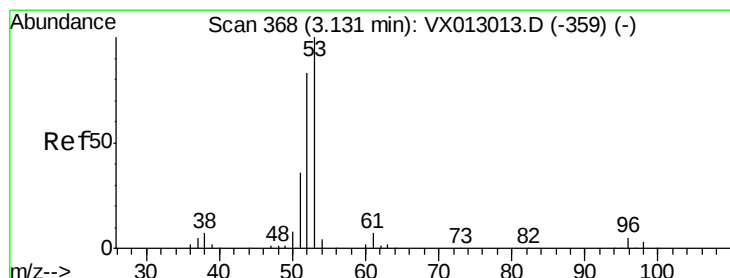
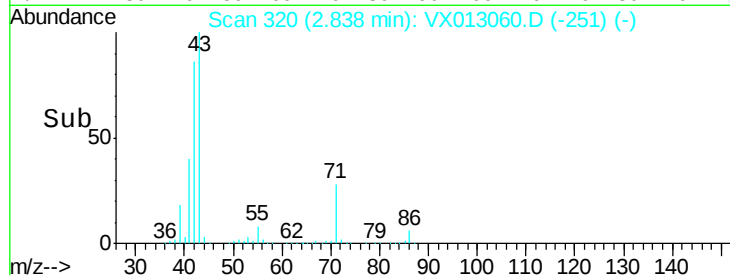
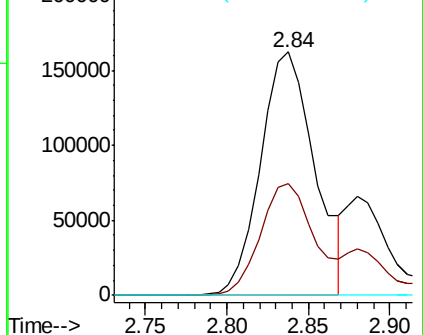
41 100

39 45.9 51.0 76.6#

76 0.0 26.2 39.4#



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



#15

Acrylonitrile

Concen: 8.181 ug/l

RT: 3.16 min Scan# 373

Delta R.T. 0.02 min

Lab File: VX013060.D

Acq: 14 Oct 2019 18:26

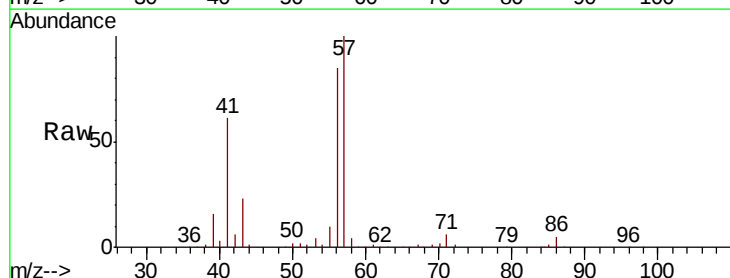
Tgt Ion: 53 Resp: 8989

Ion Ratio Lower Upper

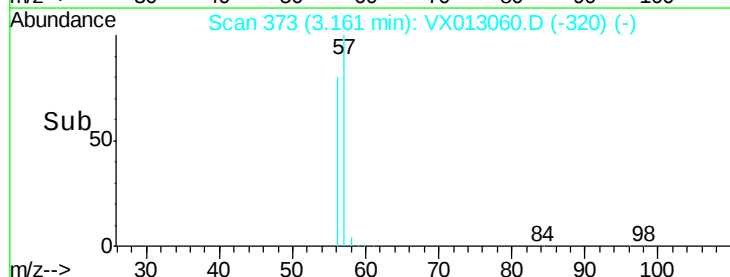
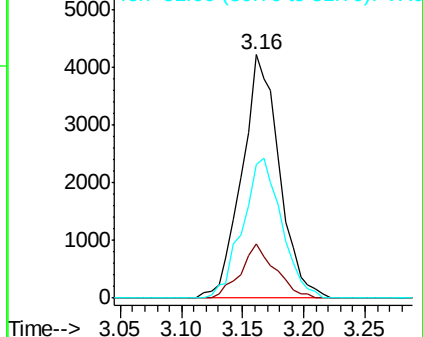
53 100

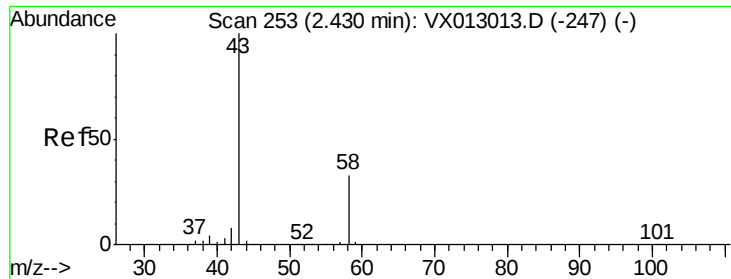
52 20.4 66.2 99.2#

51 59.7 28.2 42.4#



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: 2.317 ug/l

RT: 2.44 min Scan# 254

Delta R.T. -0.00 min

Lab File: VX013060.D

Acq: 14 Oct 2019 18:26

Instrument :

MSVOA_X

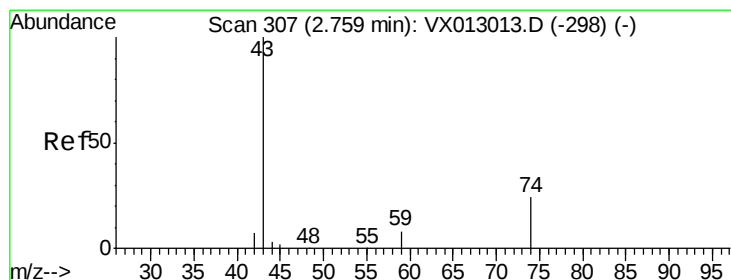
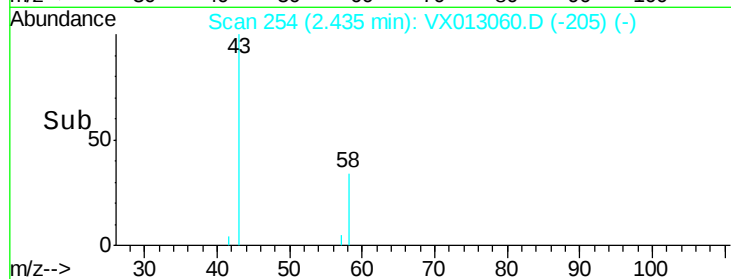
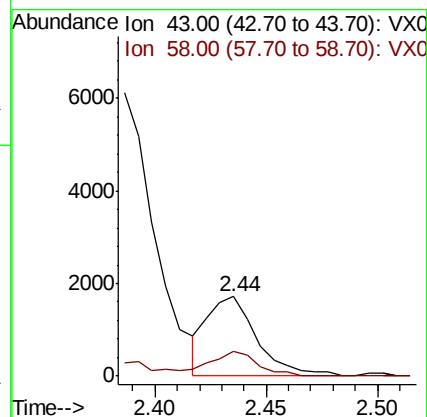
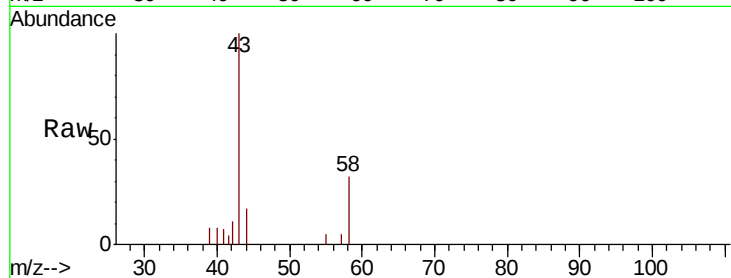
ClientSampleId :

Tot Ion: 43 Resp: 2671

Ion Ratio Lower Upper

43 100

58 32.0 25.4 38.2



#18

Methyl Acetate

Concen: 344.591 ug/l

RT: 2.84 min Scan# 320

Delta R.T. 0.07 min

Lab File: VX013060.D

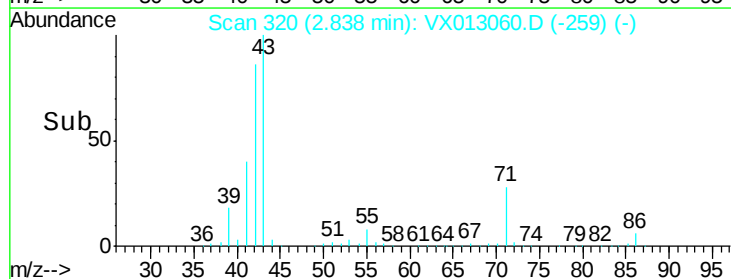
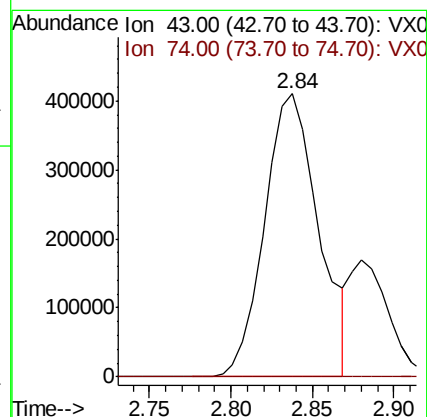
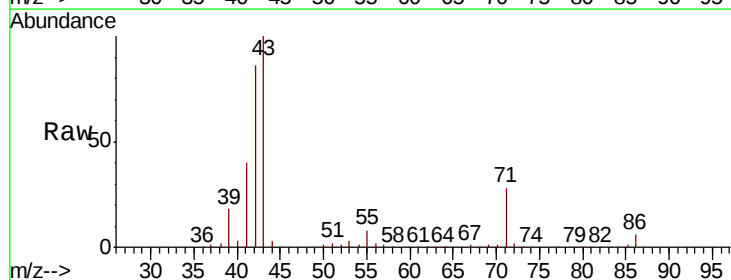
Acq: 14 Oct 2019 18:26

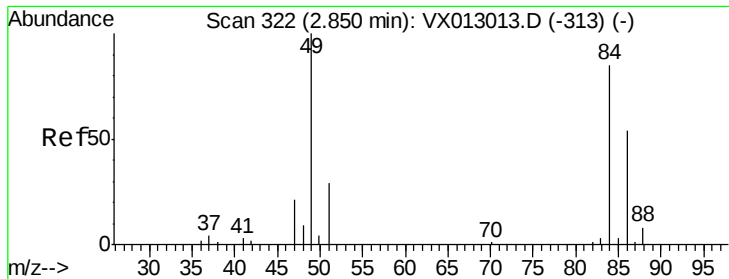
Tgt Ion: 43 Resp: 941675

Ion Ratio Lower Upper

43 100

74 0.0 19.2 28.8#





#20

Methvlene Chloride

Concen: 1.144 ug/l

RT: 2.83 min Scan# 318

Delta R.T. -0.02 min

Lab File: VX013060.D

Acq: 14 Oct 2019 18:26

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 84 Resp: 2423

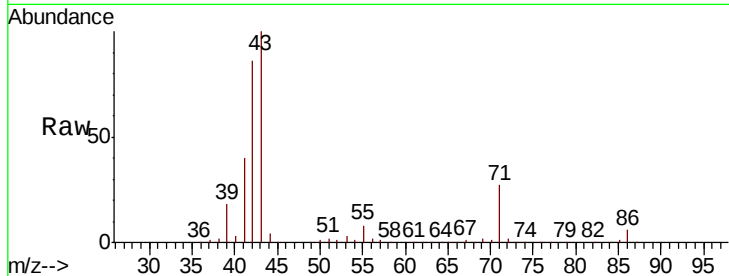
Ion Ratio Lower Upper

84 100

49 18.3 96.6 144.8#

51 404.7 30.7 46.1#

86 1491.5 51.0 76.6#

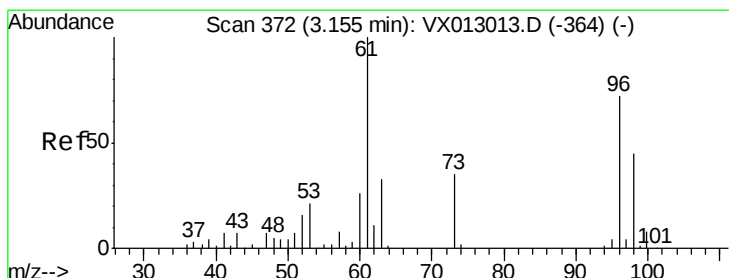
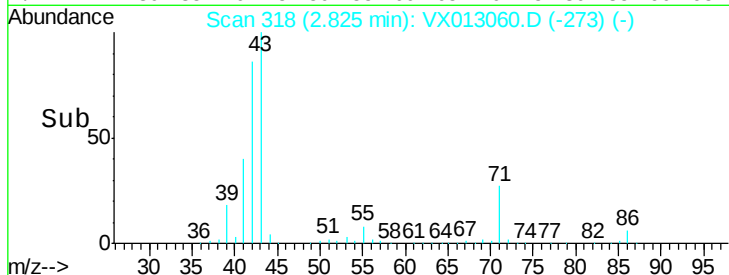
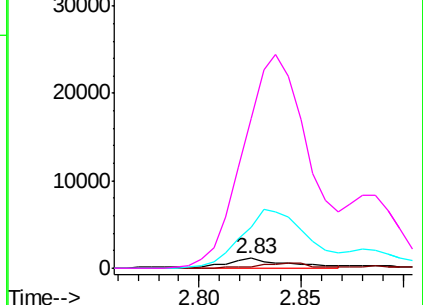


Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



#21

trans-1,2-Dichloroethene

Concen: 0.472 ug/l

RT: 3.17 min Scan# 374

Delta R.T. 0.01 min

Lab File: VX013060.D

Acq: 14 Oct 2019 18:26

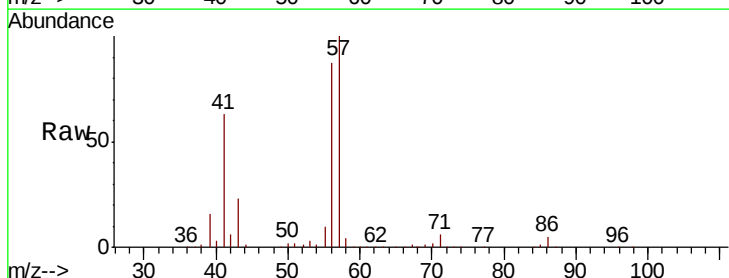
Tgt Ion: 96 Resp: 894

Ion Ratio Lower Upper

96 100

61 108.1 110.4 165.6#

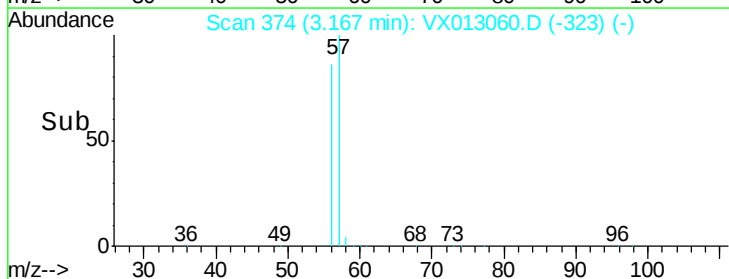
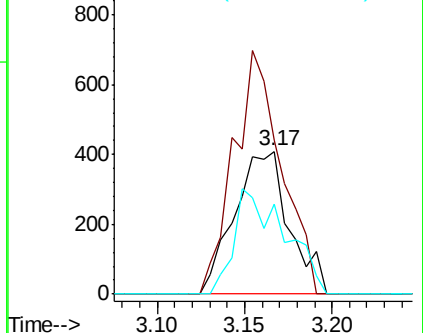
98 63.1 51.5 77.3

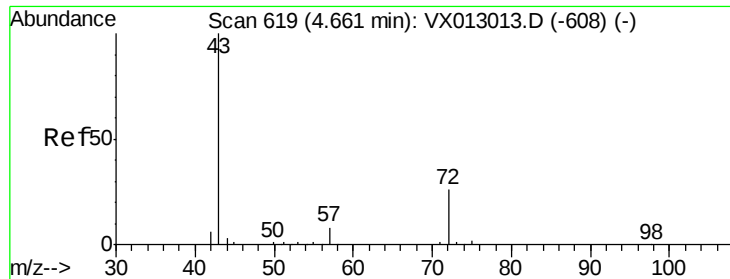


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#25

2-Butanone

Concen: 0.757 ug/l

RT: 4.67 min Scan# 621

Delta R.T. 0.01 min

Lab File: VX013060.D

Acq: 14 Oct 2019 18:26

Instrument :

MSVOA_X

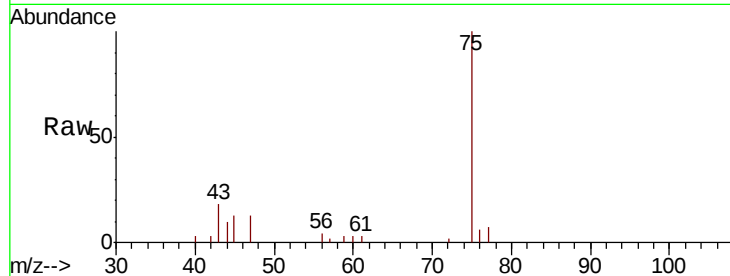
ClientSampled :

Tot Ion: 43 Resp: 1211

Ion Ratio Lower Upper

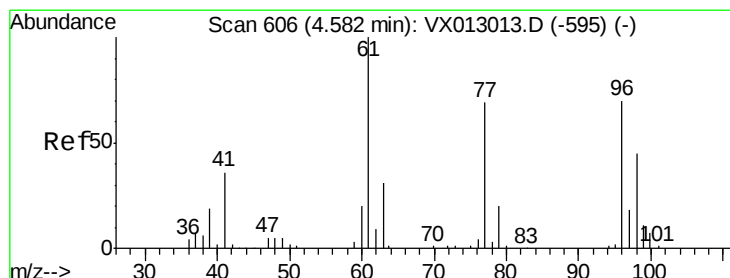
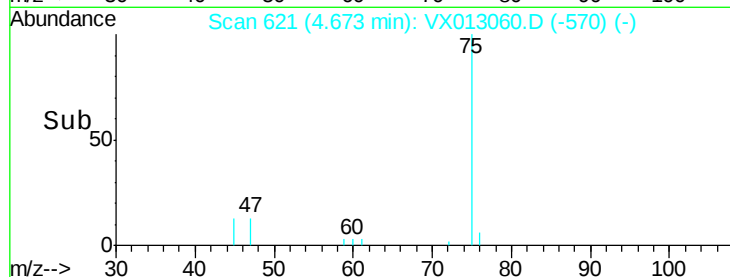
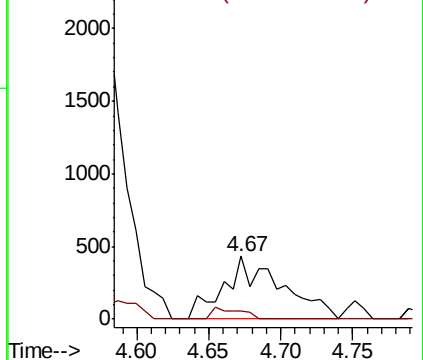
43 100

72 13.9 21.0 31.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#27

cis-1,2-Dichloroethene

Concen: 14.843 ug/l

RT: 4.59 min Scan# 607

Delta R.T. -0.00 min

Lab File: VX013060.D

Acq: 14 Oct 2019 18:26

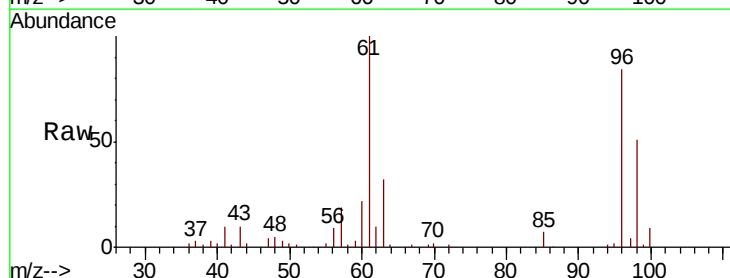
Tgt Ion: 96 Resp: 32430

Ion Ratio Lower Upper

96 100

61 127.1 0.0 290.6

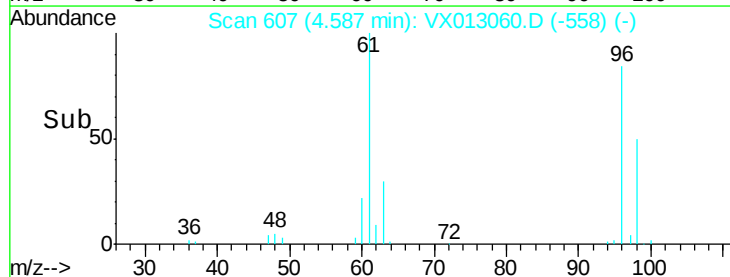
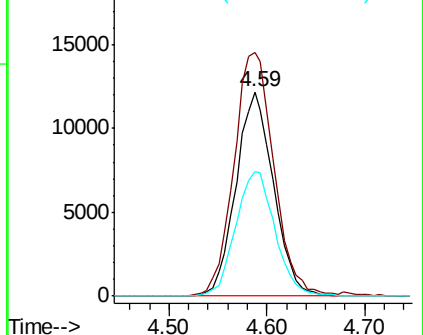
98 64.0 0.0 128.8

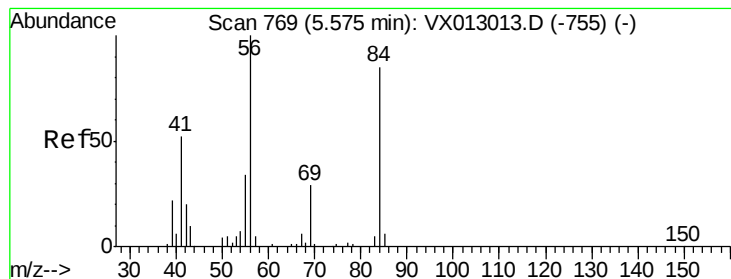


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#31

Cyclohexane

Concen: 70.885 ug/l

RT: 5.57 min Scan# 769

Delta R.T. 0.01 min

Lab File: VX013060.D

Acq: 14 Oct 2019 18:26

Instrument :

MSVOA_X

ClientSampleId :

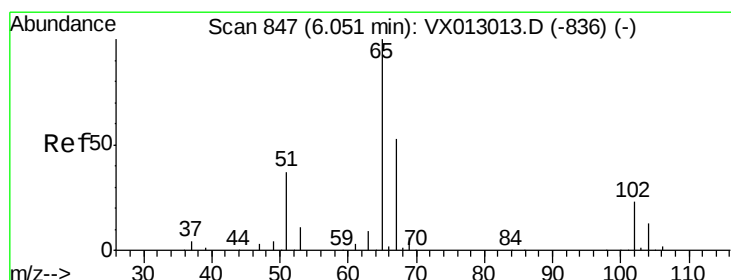
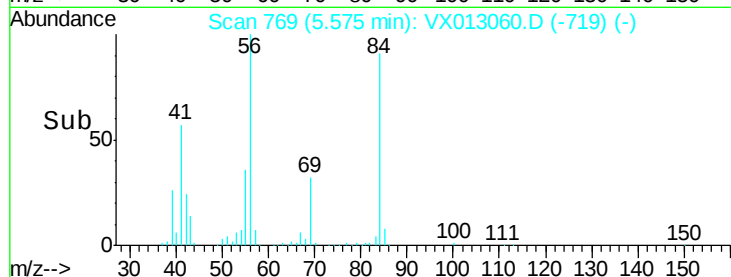
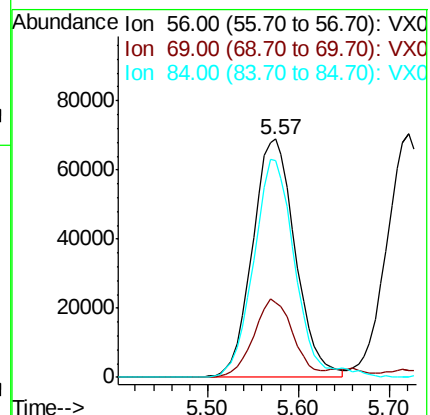
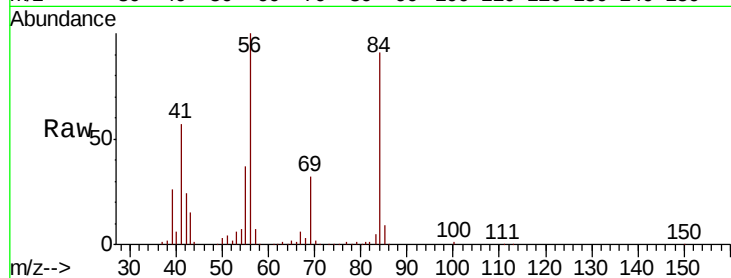
Tot Ion: 56 Resp: 225033

Ion Ratio Lower Upper

56 100

69 31.4 25.2 37.8

84 91.1 71.3 106.9



#33

1,2-Dichloroethane-d4

Concen: 48.567 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.01 min

Lab File: VX013060.D

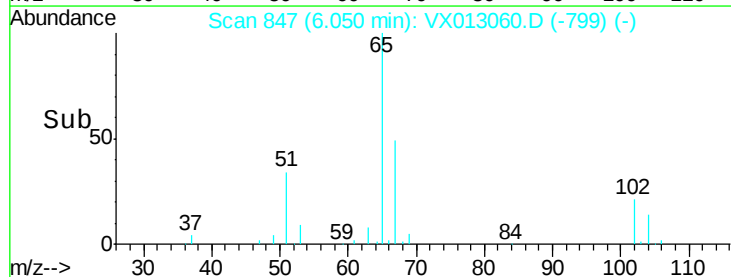
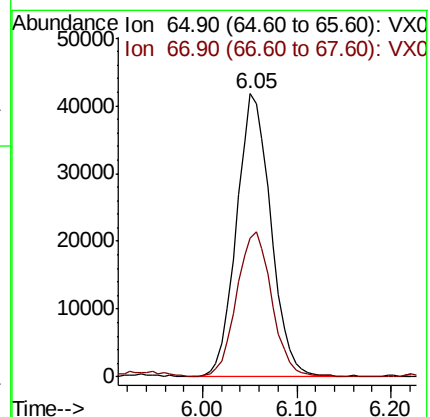
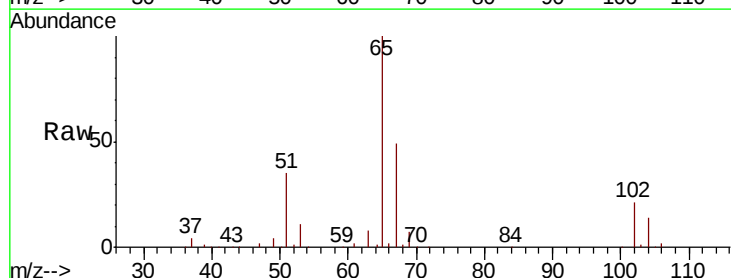
Acq: 14 Oct 2019 18:26

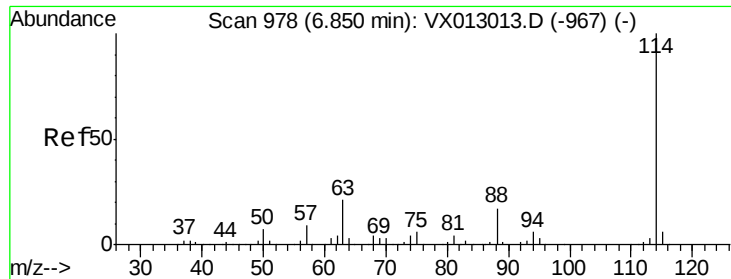
Tgt Ion: 65 Resp: 106230

Ion Ratio Lower Upper

65 100

67 52.7 0.0 104.4

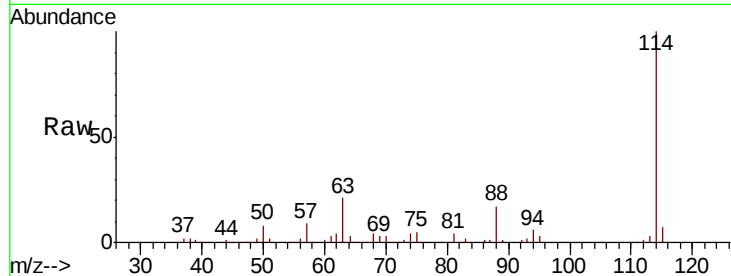




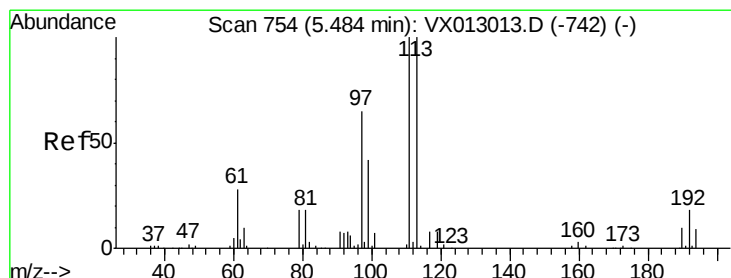
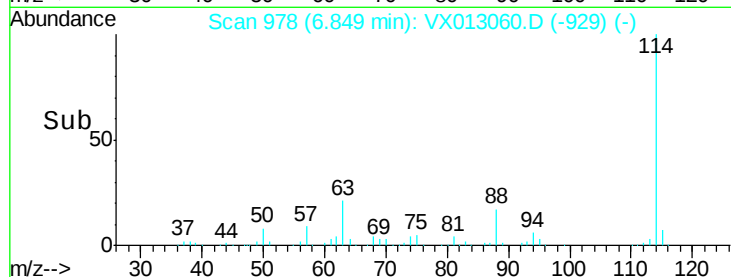
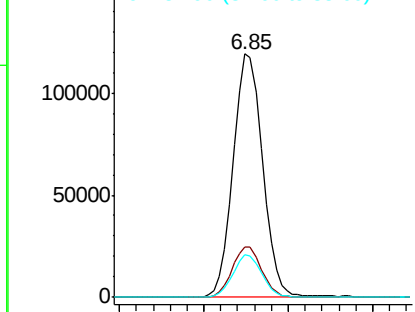
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.85 min Scan# 978
Delta R.T. -0.00 min
Lab File: VX013060.D
Acq: 14 Oct 2019 18:26

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:114 Resp: 282573
Ion Ratio Lower Upper
114 100
63 20.9 0.0 40.8
88 17.3 0.0 33.8

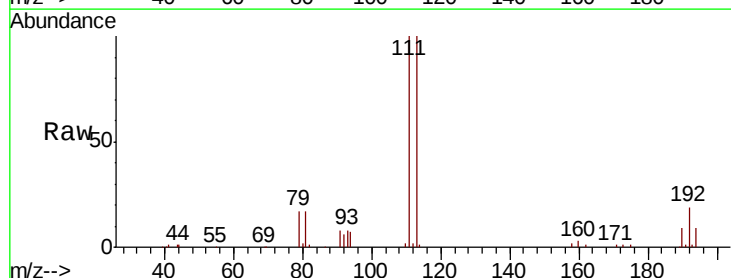


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

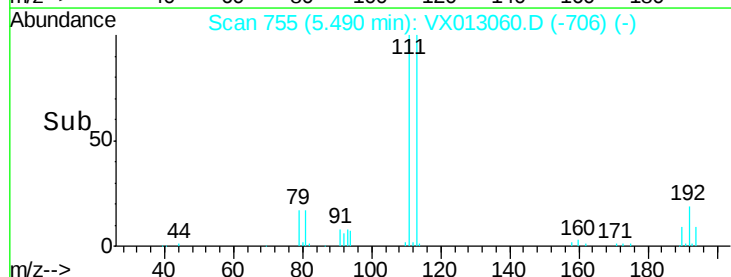
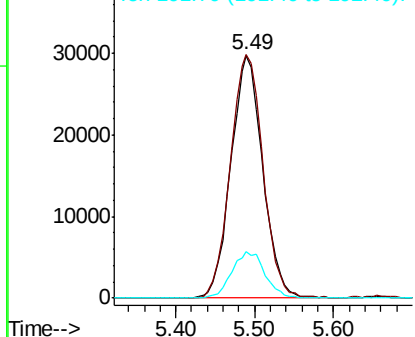


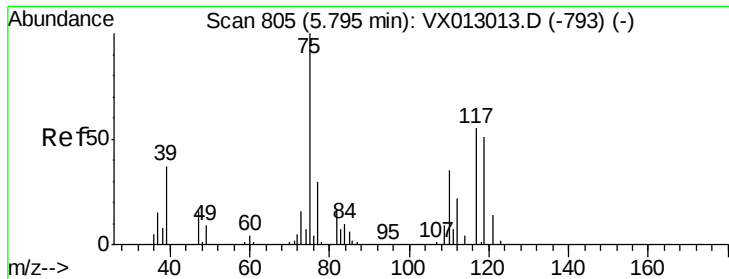
#35
Dibromofluoromethane
Concen: 51.439 ug/l
RT: 5.49 min Scan# 755
Delta R.T. -0.00 min
Lab File: VX013060.D
Acq: 14 Oct 2019 18:26

Tgt Ion:113 Resp: 83425
Ion Ratio Lower Upper
113 100
111 102.8 83.2 124.8
192 19.7 15.4 23.2



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

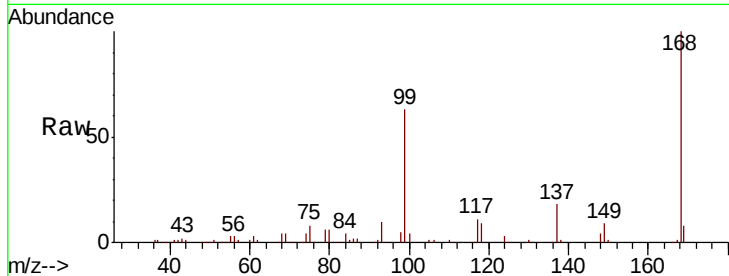




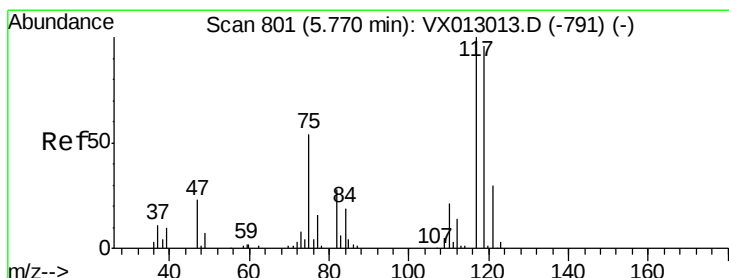
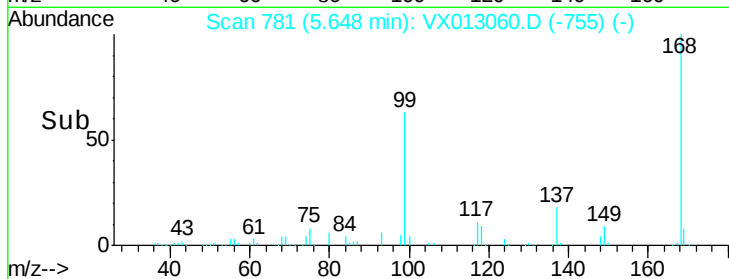
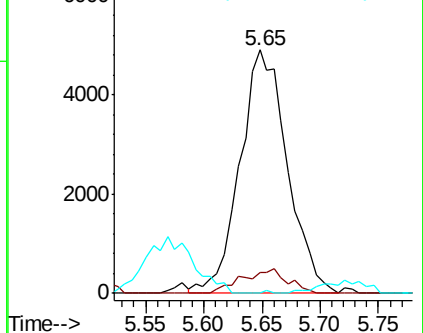
#36
 1,1-Dichloropropene
 Concen: 5.579 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.14 min
 Lab File: VX013060.D
 Acq: 14 Oct 2019 18:26

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 75 Resp: 13861
 Ion Ratio Lower Upper
 75 100
 110 9.5 17.6 52.9#
 77 0.0 24.4 36.6#

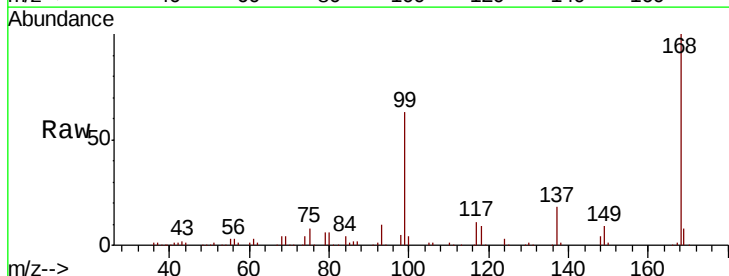


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

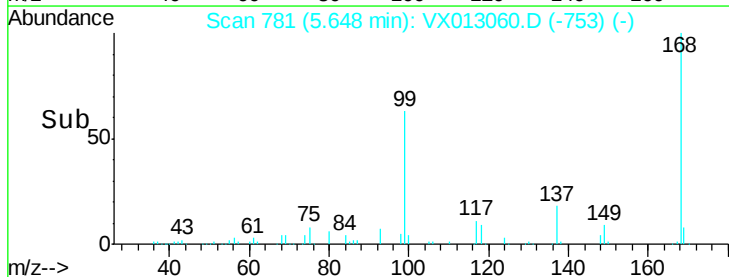
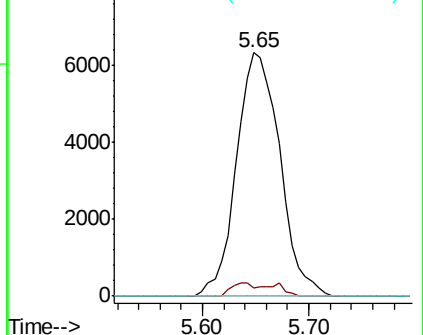


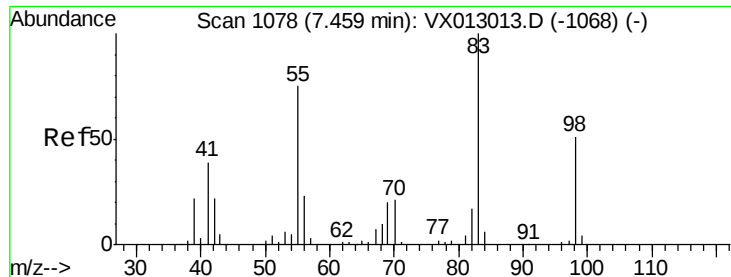
#38
 Carbon Tetrachloride
 Concen: 7.488 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.13 min
 Lab File: VX013060.D
 Acq: 14 Oct 2019 18:26

Tgt Ion: 117 Resp: 18107
 Ion Ratio Lower Upper
 117 100
 119 3.4 74.5 111.7#
 121 0.0 24.2 36.4#



Abundance Ion 116.80 (116.50 to 117.50): V
 Ion 118.80 (118.50 to 119.50): V
 Ion 120.80 (120.50 to 121.50): V

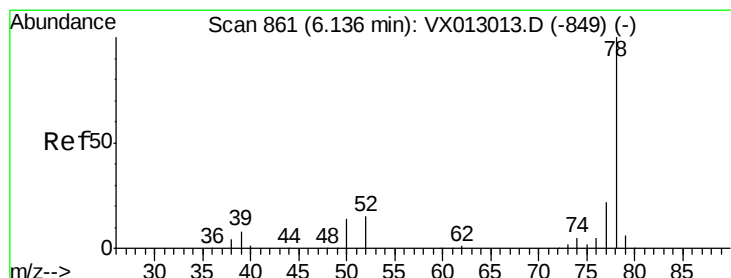
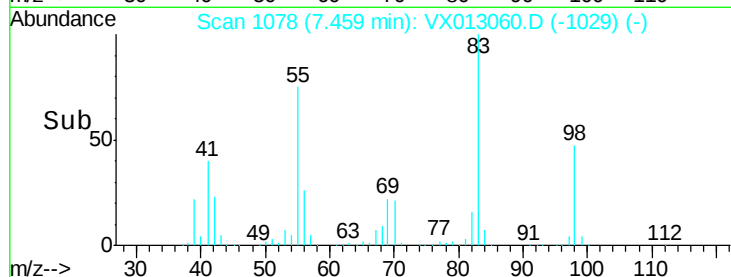
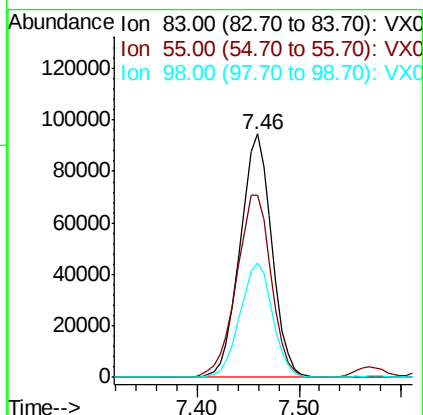
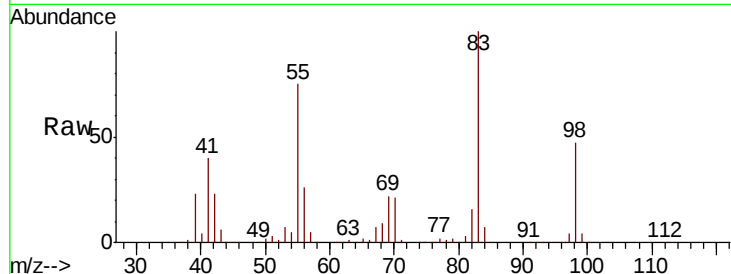




#39
Methvlcvclohexane
Concen: 67.802 ug/l
RT: 7.46 min Scan# 1078
Delta R.T. -0.00 min
Lab File: VX013060.D
Acq: 14 Oct 2019 18:26

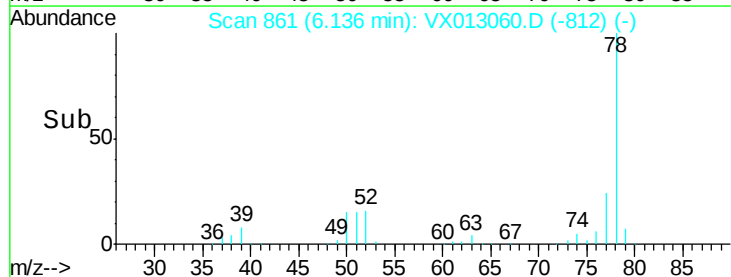
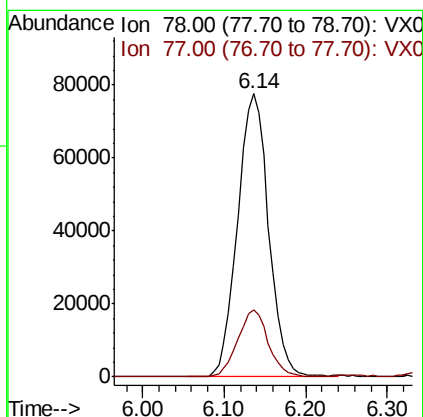
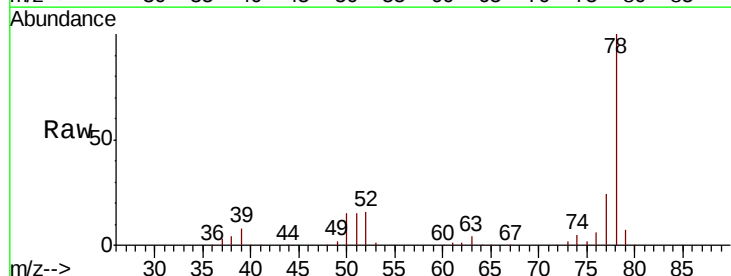
Instrument :
MSVOA_X
ClientSampleId :

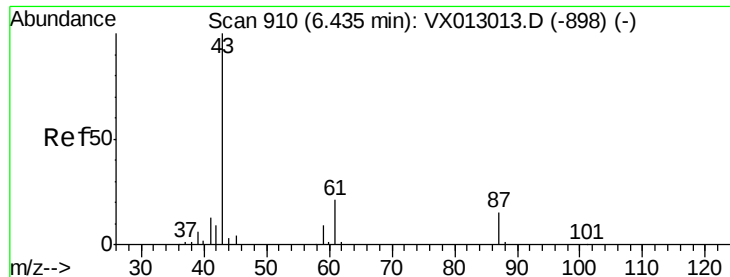
Tot Ion: 83 Resp: 204281
Ion Ratio Lower Upper
83 100
55 74.7 60.2 90.4
98 46.8 38.5 57.7



#40
Benzene
Concen: 27.916 ug/l
RT: 6.14 min Scan# 861
Delta R.T. -0.00 min
Lab File: VX013060.D
Acq: 14 Oct 2019 18:26

Tgt Ion: 78 Resp: 204840
Ion Ratio Lower Upper
78 100
77 23.6 19.0 28.4





#43

Isopropyl Acetate

Concen: 65.557 ug/l

RT: 6.34 min Scan# 895

Delta R.T. -0.09 min

Lab File: VX013060.D

Acq: 14 Oct 2019 18:26

Instrument :

MSVOA_X

ClientSampled :

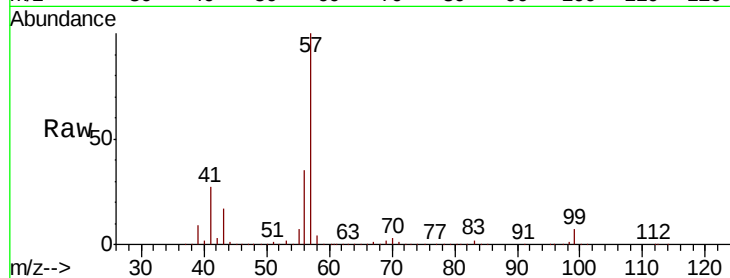
Tot Ion: 43 Resp: 292308

Ion Ratio Lower Upper

43 100

61 0.1 16.6 24.8#

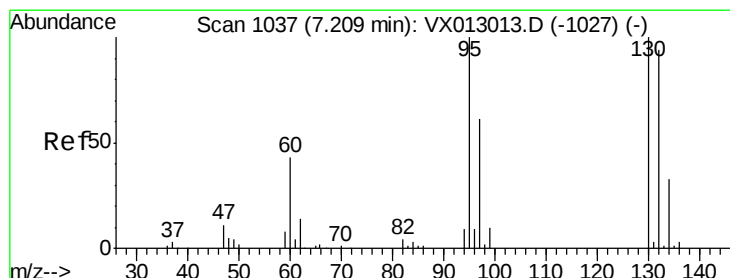
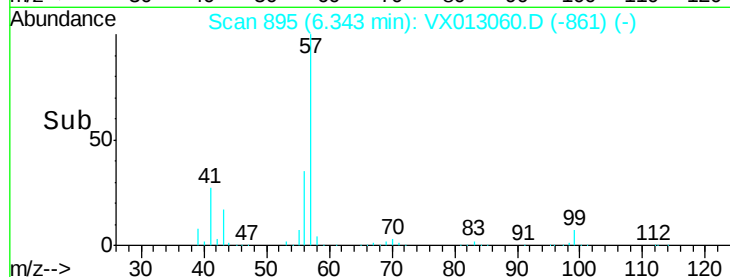
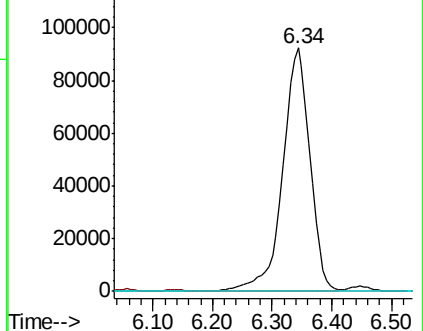
87 0.0 11.0 16.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#44

Trichloroethene

Concen: 0.574 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. -0.00 min

Lab File: VX013060.D

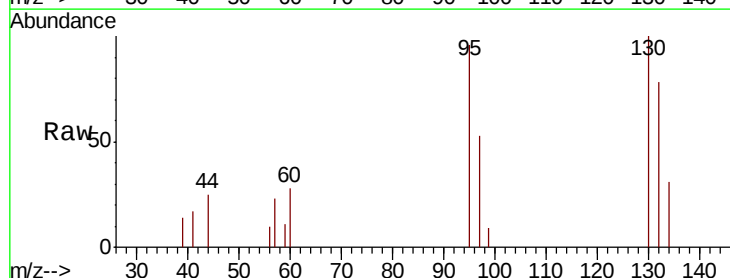
Acq: 14 Oct 2019 18:26

Tgt Ion: 130 Resp: 1168

Ion Ratio Lower Upper

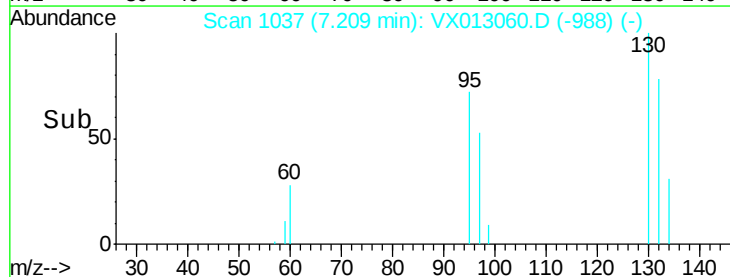
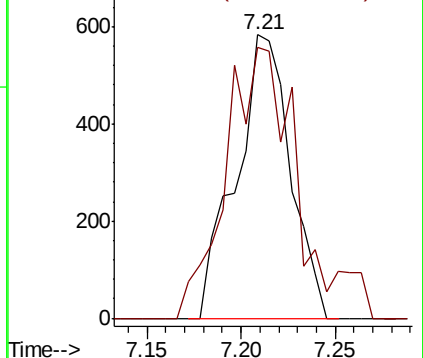
130 100

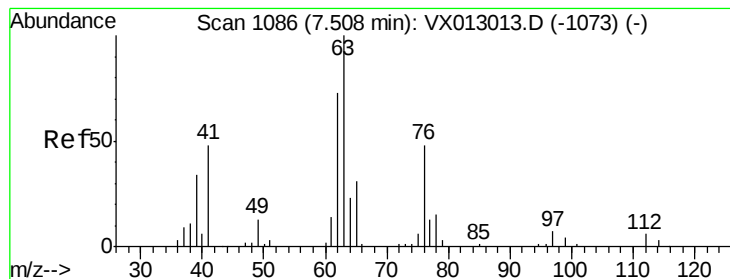
95 82.8 0.0 189.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#45

1,2-Dichloropropane

Concen: 1.218 ug/l

RT: 7.46 min Scan# 1078

Delta R.T. -0.05 min

Lab File: VX013060.D

Acq: 14 Oct 2019 18:26

Instrument :

MSVOA_X

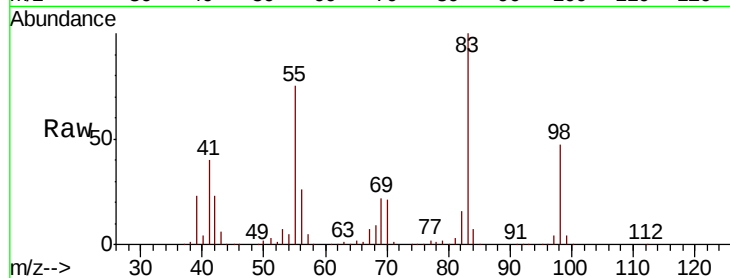
ClientSampleId :

Tot Ion: 63 Resp: 2277

Ion Ratio Lower Upper

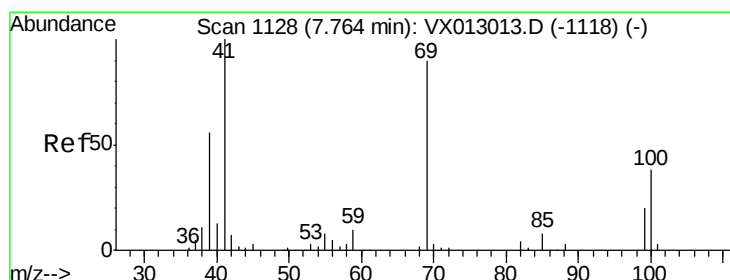
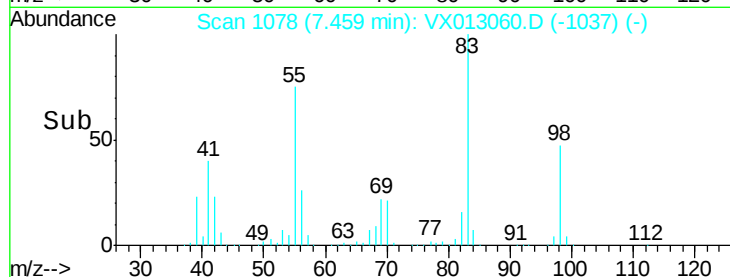
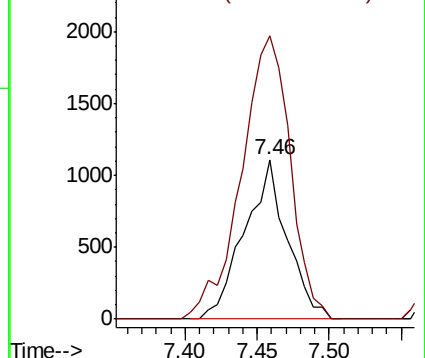
63 100

65 177.2 24.6 37.0#



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#48

Methyl methacrylate

Concen: 7.273 ug/l

RT: 7.73 min Scan# 1122

Delta R.T. -0.04 min

Lab File: VX013060.D

Acq: 14 Oct 2019 18:26

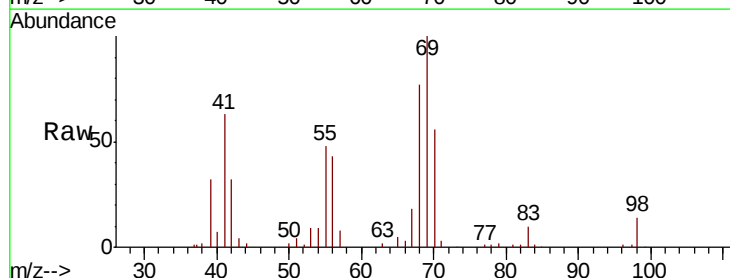
Tgt Ion: 41 Resp: 15803

Ion Ratio Lower Upper

41 100

69 171.5 68.7 103.1#

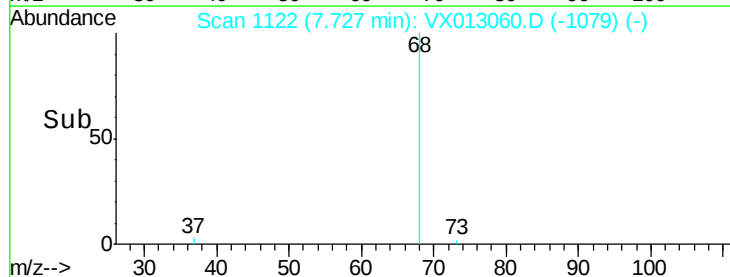
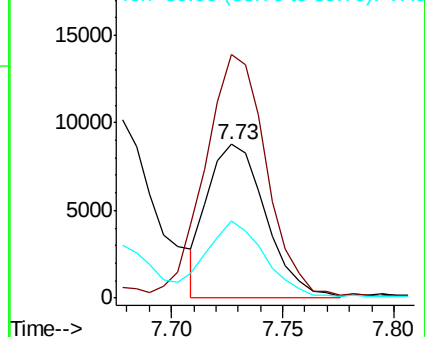
39 50.3 44.3 66.5

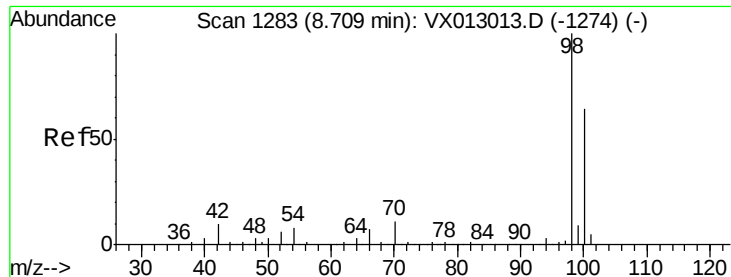


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

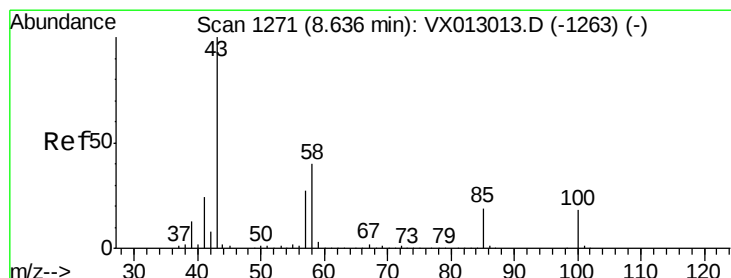
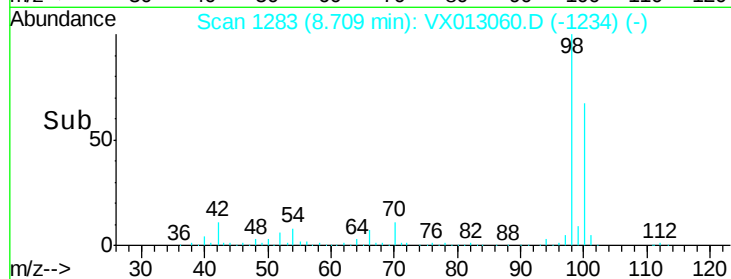
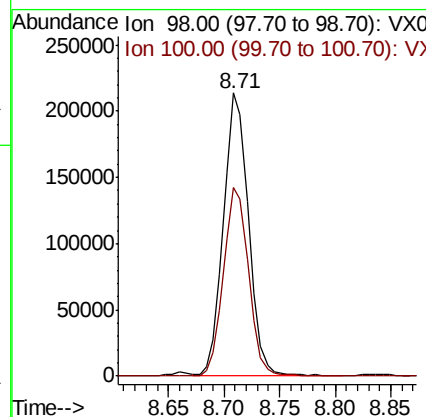
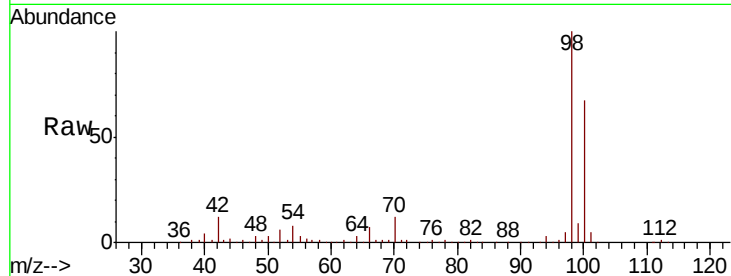




#50
Toluene-d8
Concen: 52.407 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX013060.D
Acq: 14 Oct 2019 18:26

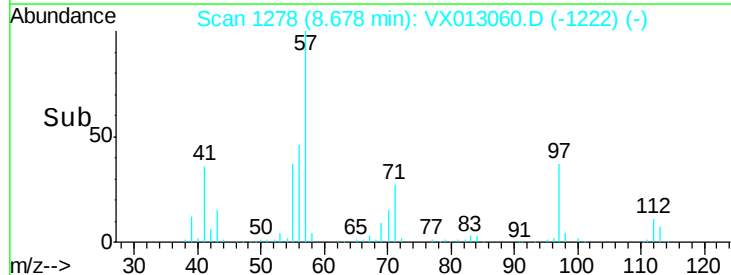
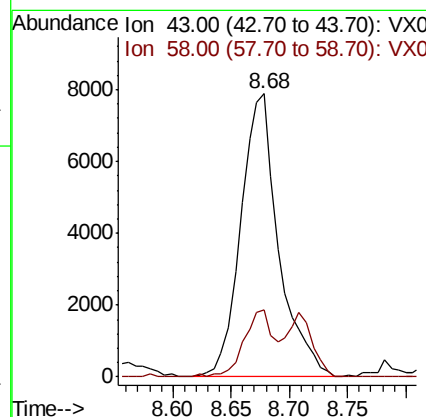
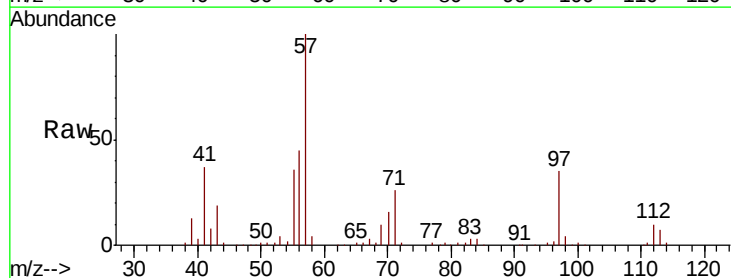
Instrument :
MSVOA_X
ClientSampleId :

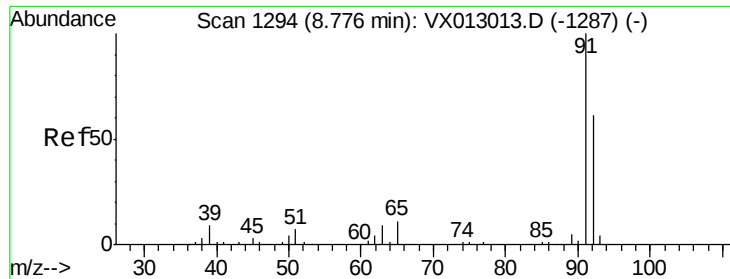
Tot Ion: 98 Resp: 331502
Ion Ratio Lower Upper
98 100
100 67.3 53.4 80.2



#51
4-Methyl-2-Pentanone
Concen: 6.437 ug/l
RT: 8.68 min Scan# 1278
Delta R.T. 0.04 min
Lab File: VX013060.D
Acq: 14 Oct 2019 18:26

Tgt Ion: 43 Resp: 17894
Ion Ratio Lower Upper
43 100
58 18.4 32.4 48.6#





#52

Toluene

Concen: 3.712 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. -0.00 min

Lab File: VX013060.D

Acq: 14 Oct 2019 18:26

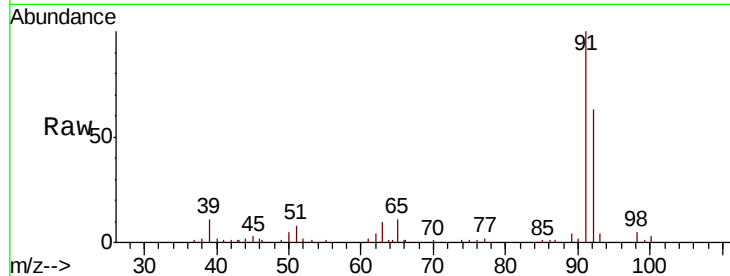
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 92 Resp: 17426

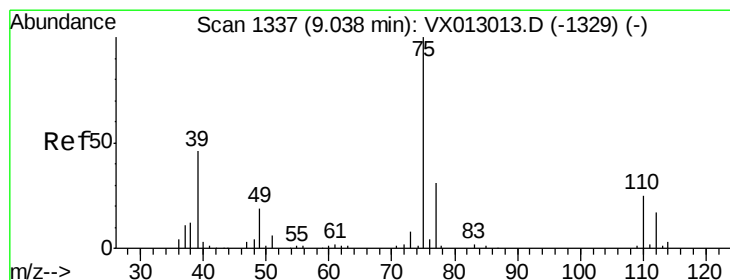
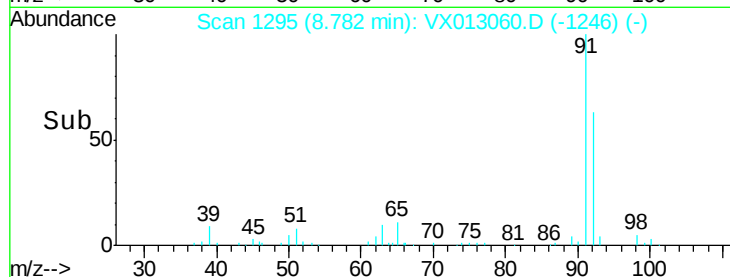
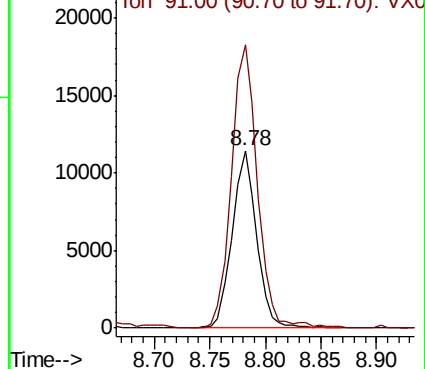
Ion Ratio Lower Upper

92 100

91 169.4 135.9 203.9



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: 2.225 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. -0.26 min

Lab File: VX013060.D

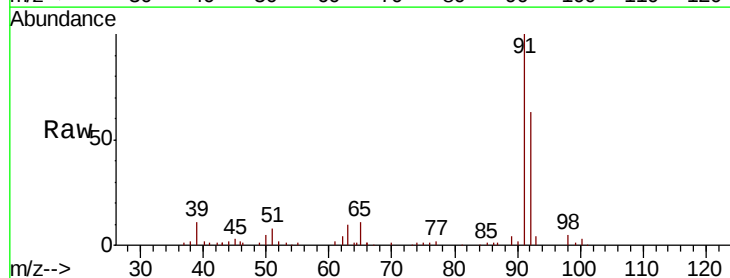
Acq: 14 Oct 2019 18:26

Tgt Ion: 75 Resp: 177

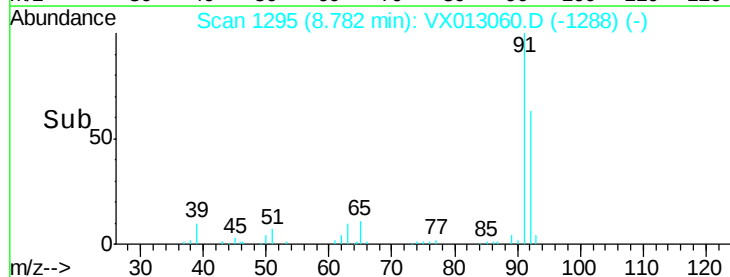
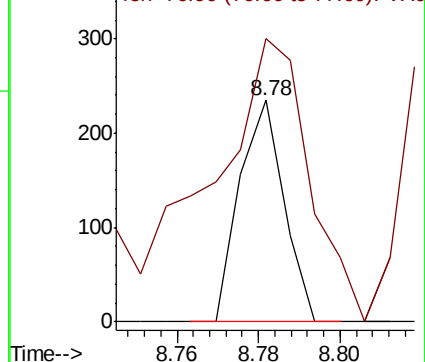
Ion Ratio Lower Upper

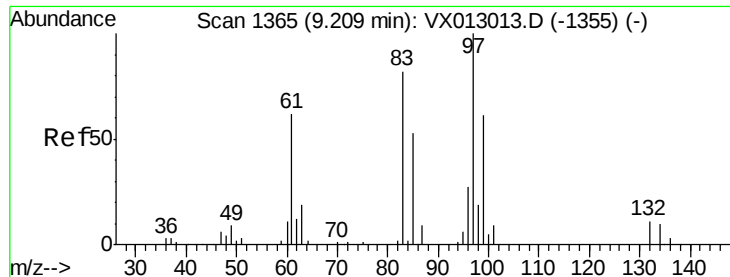
75 100

77 98.3 25.8 38.6#



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: 13.367 ug/l

RT: 9.16 min Scan# 1357

Delta R.T. -0.05 min

Lab File: VX013060.D

Acq: 14 Oct 2019 18:26

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 97 Resp: 24832

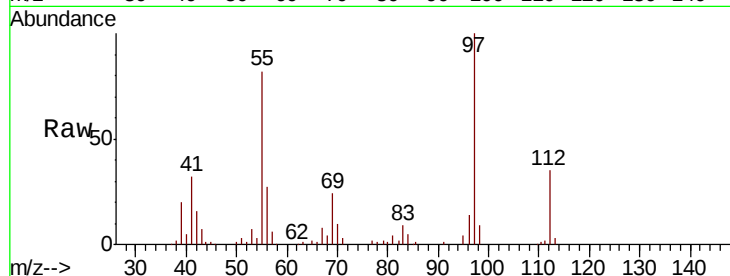
Ion Ratio Lower Upper

97 100

83 8.9 66.5 99.7#

85 1.1 43.1 64.7#

99 0.0 49.2 73.8#

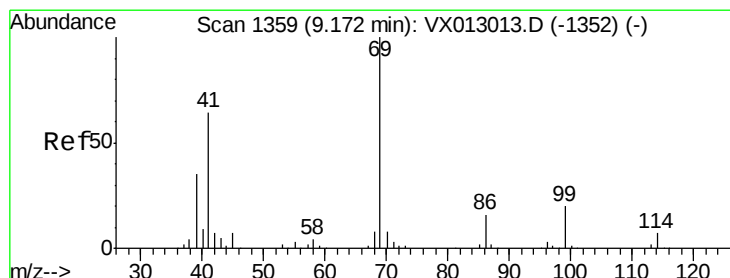
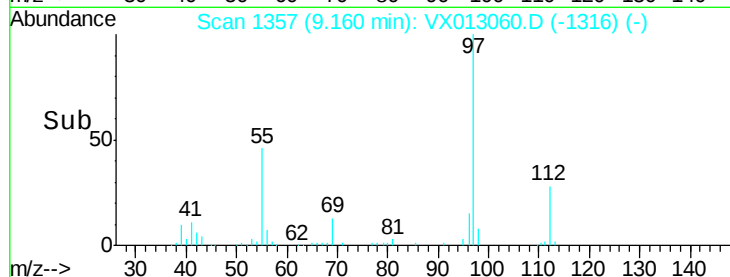
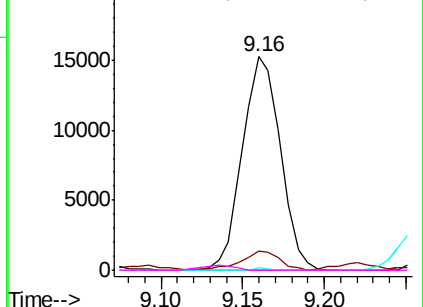


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56

Ethyl methacrylate

Concen: 3.472 ug/l

RT: 9.16 min Scan# 1357

Delta R.T. -0.01 min

Lab File: VX013060.D

Acq: 14 Oct 2019 18:26

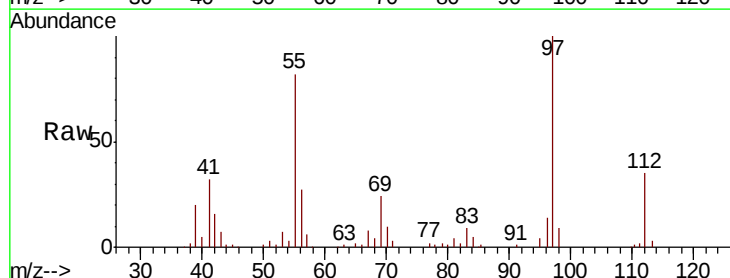
Tgt Ion: 69 Resp: 5665

Ion Ratio Lower Upper

69 100

41 139.9 52.1 78.1#

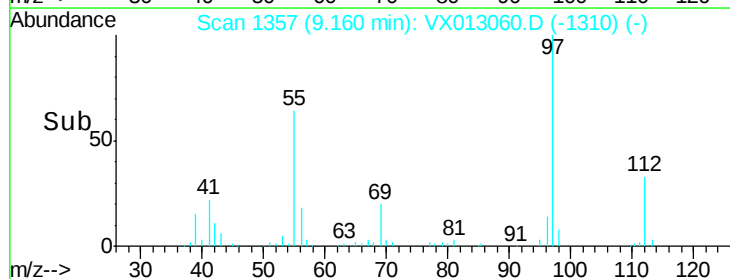
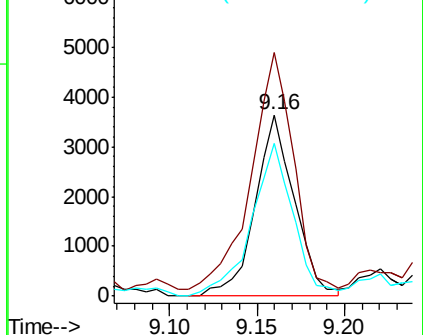
39 89.0 27.8 41.8#

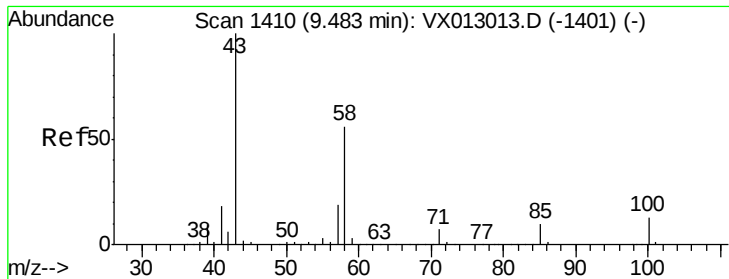


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

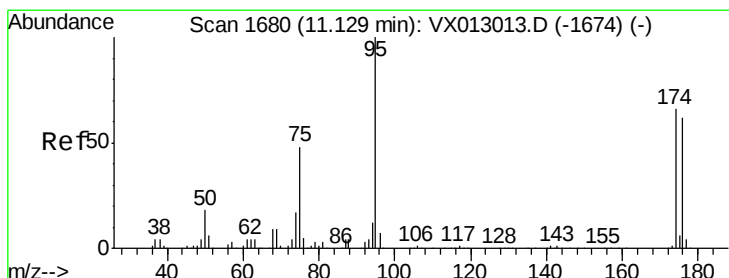
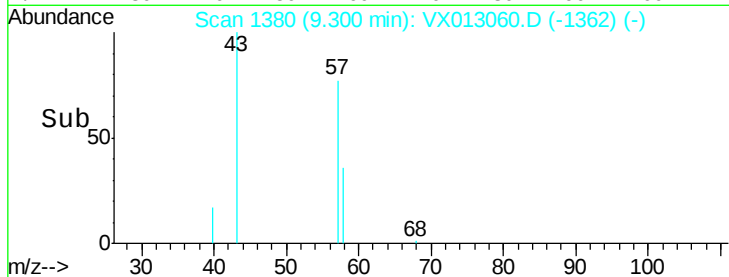
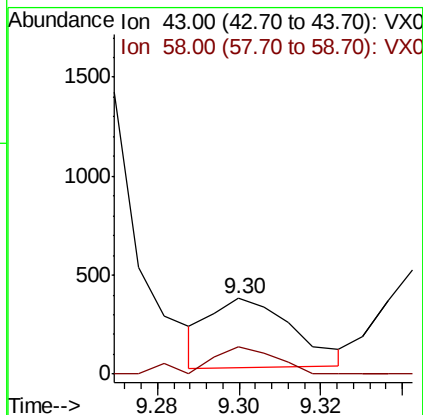
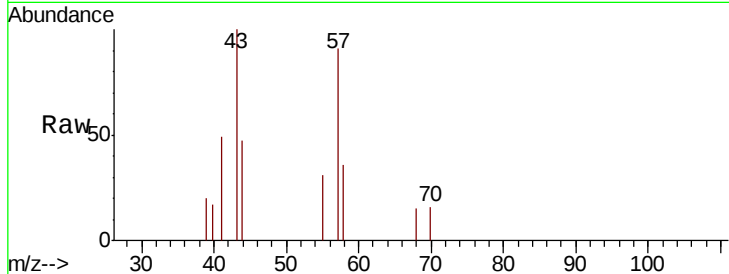




#59
2-Hexanone
Concen: 0.227 ug/l
RT: 9.30 min Scan# 1380
Delta R.T. -0.19 min
Lab File: VX013060.D
Acq: 14 Oct 2019 18:26

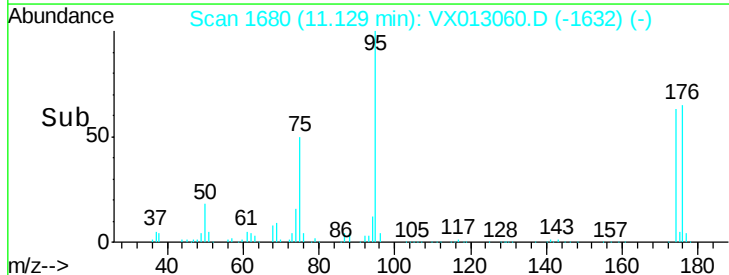
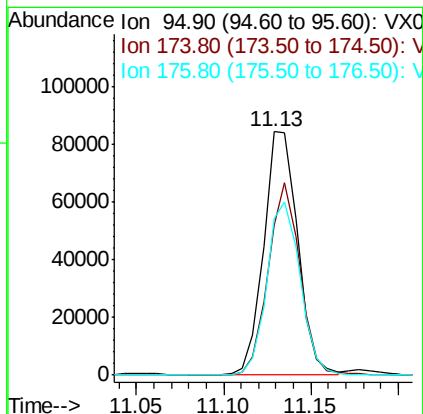
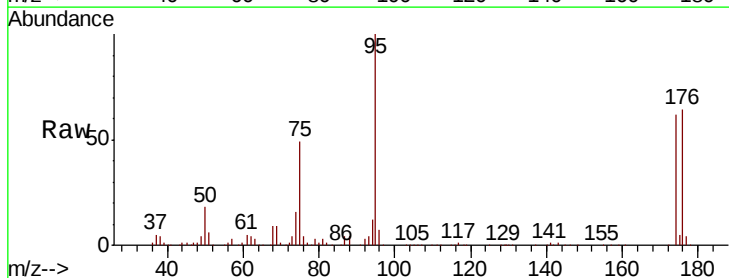
Instrument :
MSVOA_X
ClientSampleId :

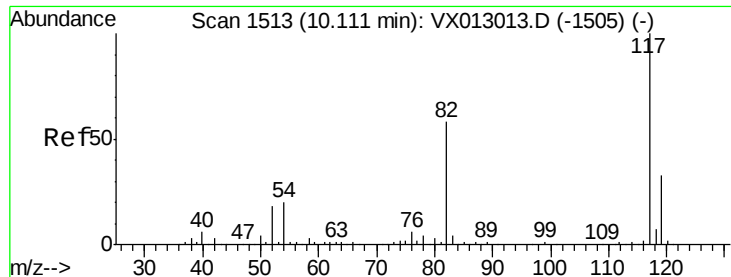
Tot Ion: 43 Resp: 492
Ion Ratio Lower Upper
43 100
58 33.3 28.1 84.3



#62
4-Bromofluorobenzene
Concen: 46.486 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.01 min
Lab File: VX013060.D
Acq: 14 Oct 2019 18:26

Tgt Ion: 95 Resp: 114253
Ion Ratio Lower Upper
95 100
174 73.9 0.0 143.4
176 70.1 0.0 136.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VX013060.D

Acq: 14 Oct 2019 18:26

Instrument :

MSVOA_X

ClientSampleId :

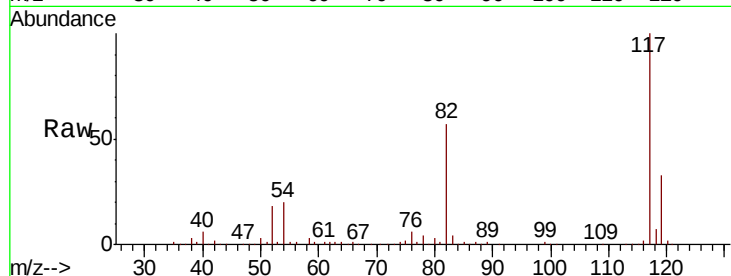
Tot Ion:117 Resp: 242881

Ion Ratio Lower Upper

117 100

82 57.1 44.1 66.1

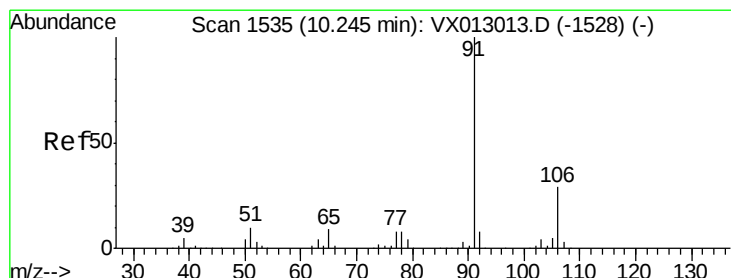
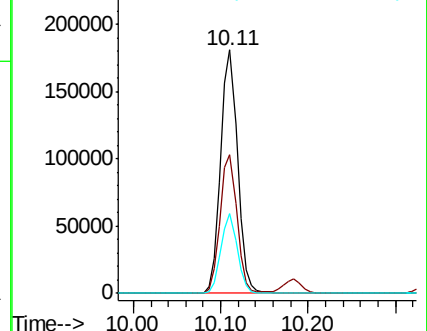
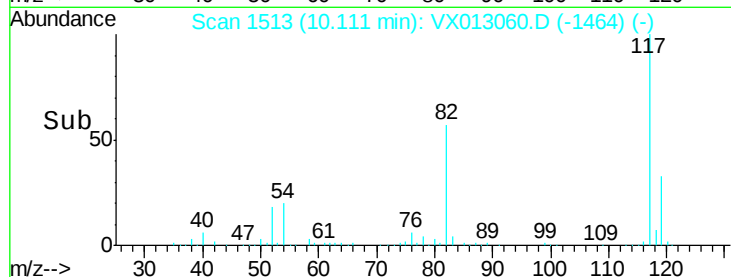
119 32.8 25.8 38.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



#67

Ethyl Benzene

Concen: 28.367 ug/l

RT: 10.24 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VX013060.D

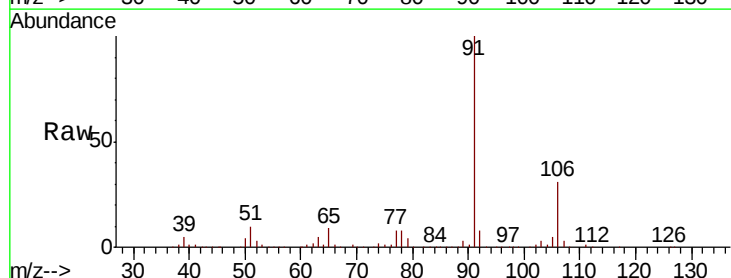
Acq: 14 Oct 2019 18:26

Tgt Ion: 91 Resp: 243030

Ion Ratio Lower Upper

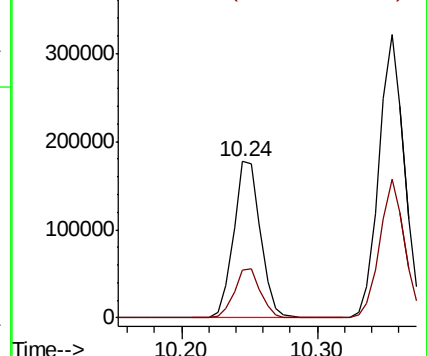
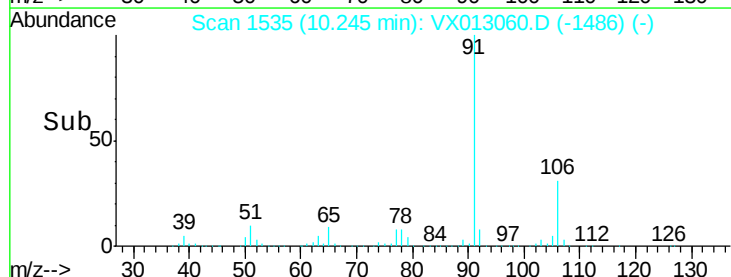
91 100

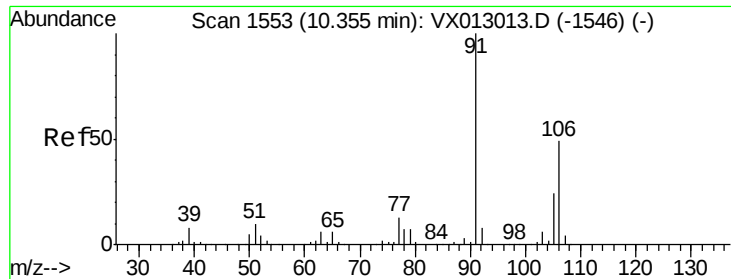
106 30.6 23.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V





#68

m/p-Xylenes

Concen: 62.715 ug/l

RT: 10.35 min Scan# 1553

Delta R.T. -0.00 min

Lab File: VX013060.D

Acq: 14 Oct 2019 18:26

Instrument :

MSVOA_X

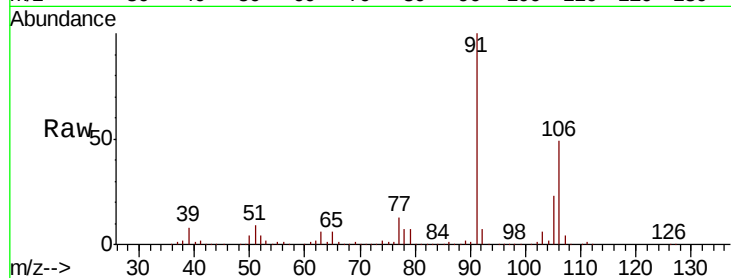
ClientSampleId :

Tot Ion:106 Resp: 200730

Ion Ratio Lower Upper

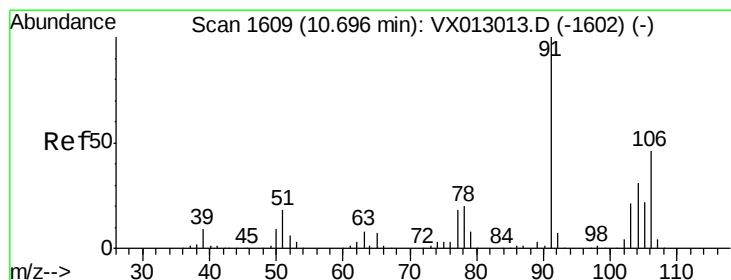
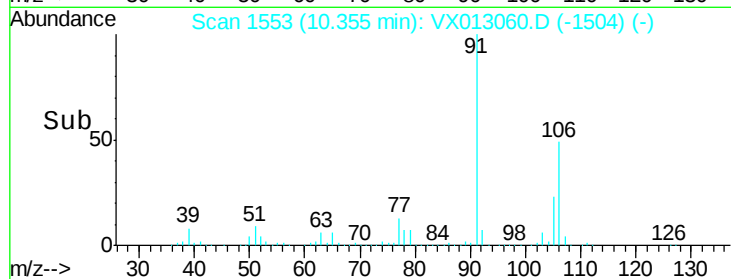
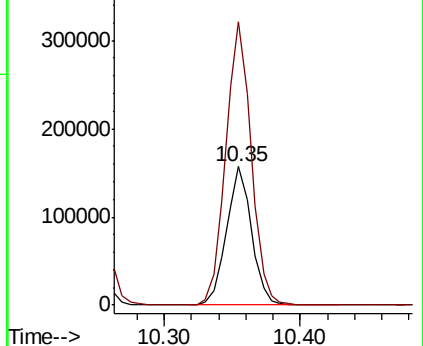
106 100

91 207.1 165.3 247.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#69

o-Xylene

Concen: 1.419 ug/l

RT: 10.70 min Scan# 1609

Delta R.T. -0.00 min

Lab File: VX013060.D

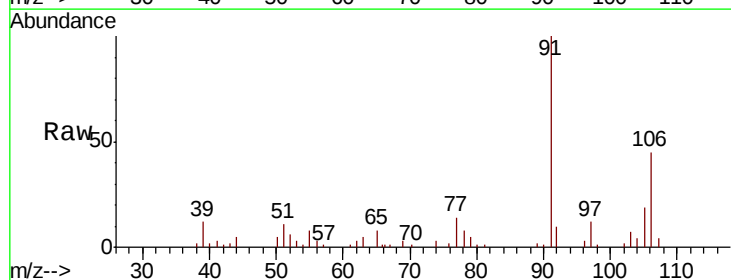
Acq: 14 Oct 2019 18:26

Tgt Ion:106 Resp: 4430

Ion Ratio Lower Upper

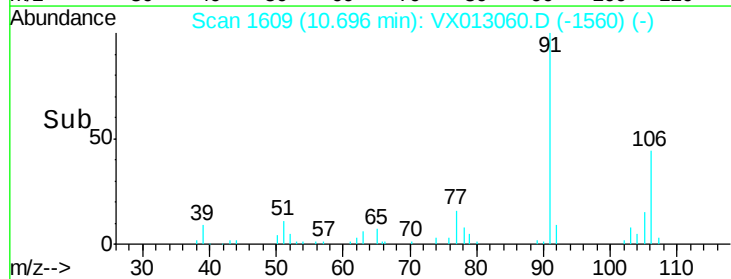
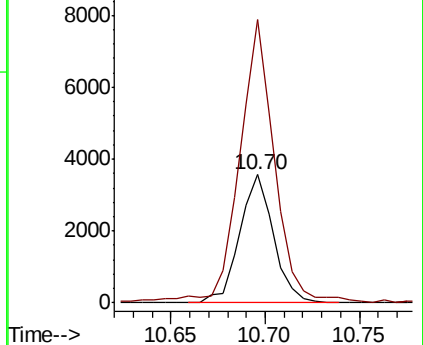
106 100

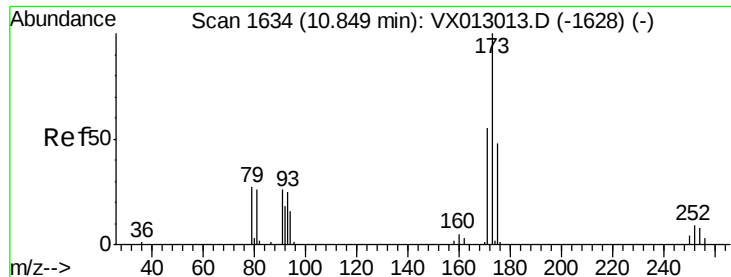
91 230.0 109.1 327.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





#71

Bromoform

Concen: 3.193 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.27 min

Lab File: VX013060.D

Acq: 14 Oct 2019 18:26

Instrument :

MSVOA_X

ClientSampleId :

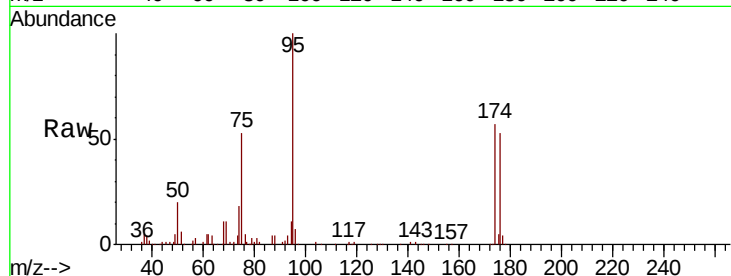
Tot Ion:173 Resp: 92

Ion Ratio Lower Upper

173 100

175 0.0 24.1 72.3#

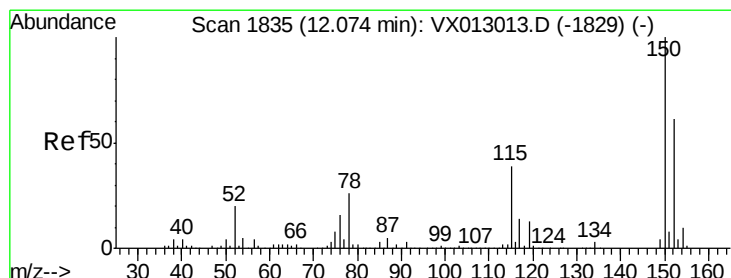
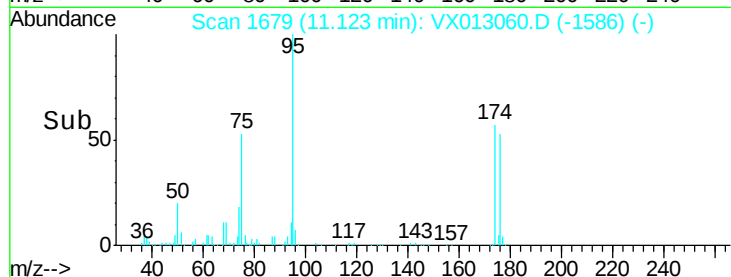
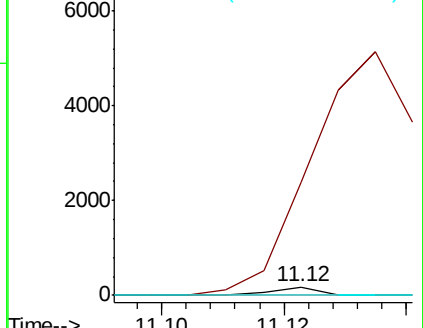
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX013060.D

Acq: 14 Oct 2019 18:26

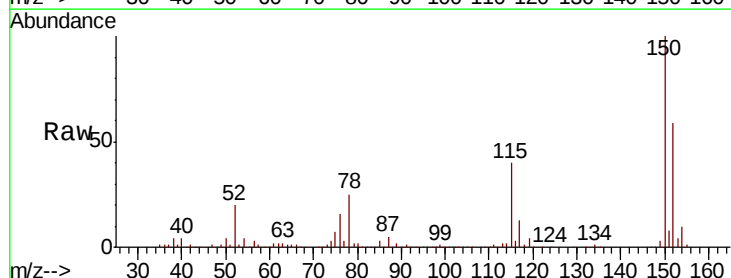
Tgt Ion:152 Resp: 100553

Ion Ratio Lower Upper

152 100

115 65.5 44.5 133.5

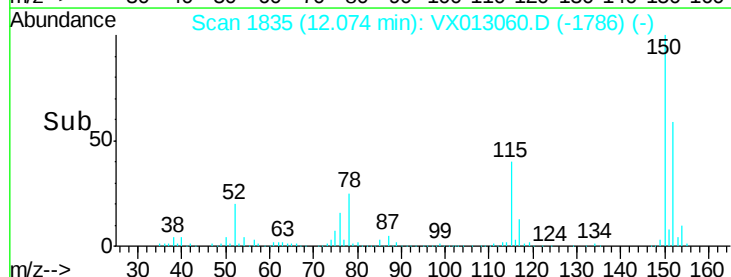
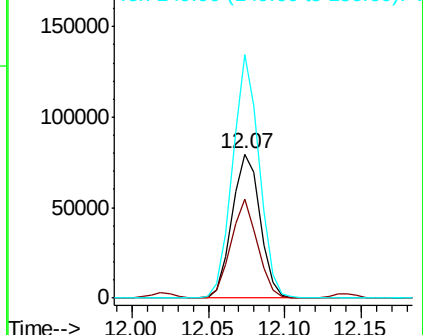
150 161.0 0.0 353.4

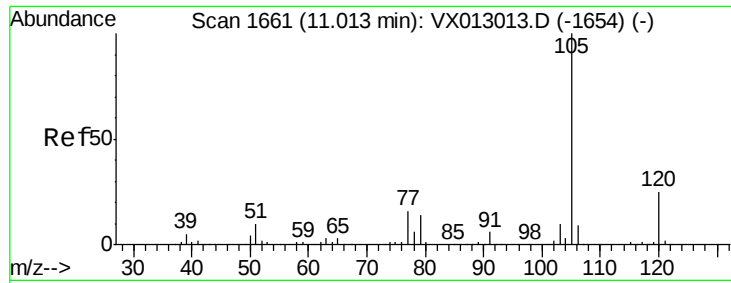


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 13.503 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VX013060.D

Acq: 14 Oct 2019 18:26

Instrument :

MSVOA_X

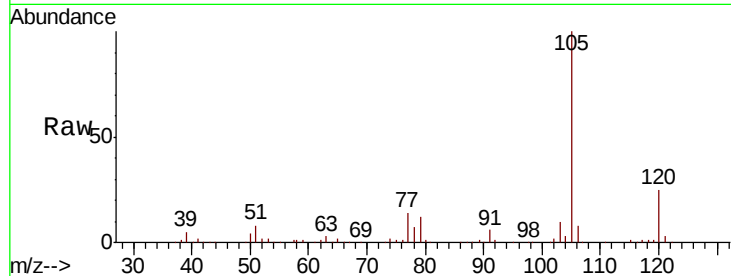
ClientSampled :

Tot Ion:105 Resp: 99826

Ion Ratio Lower Upper

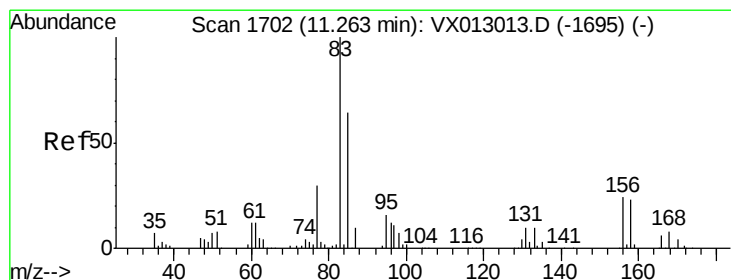
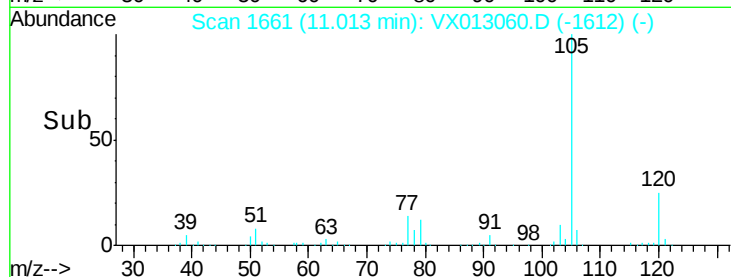
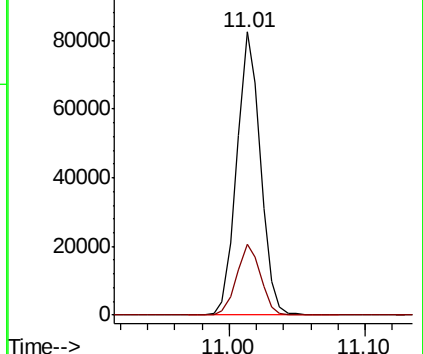
105 100

120 25.4 13.0 39.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#75

1,1,2,2-Tetrachloroethane

Concen: 0.379 ug/l

RT: 11.28 min Scan# 1704

Delta R.T. 0.01 min

Lab File: VX013060.D

Acq: 14 Oct 2019 18:26

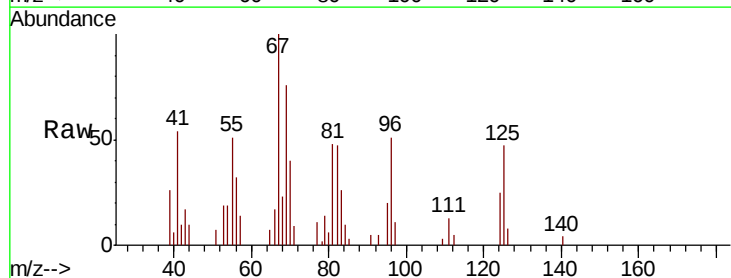
Tgt Ion: 83 Resp: 931

Ion Ratio Lower Upper

83 100

131 0.0 5.1 15.3#

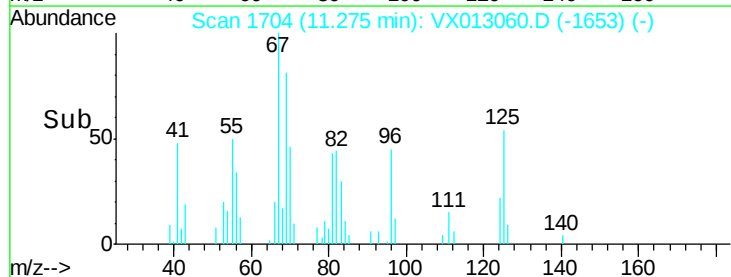
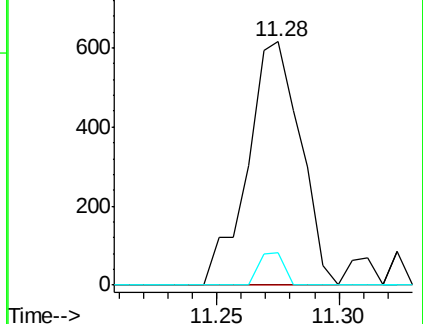
85 6.2 32.1 96.5#

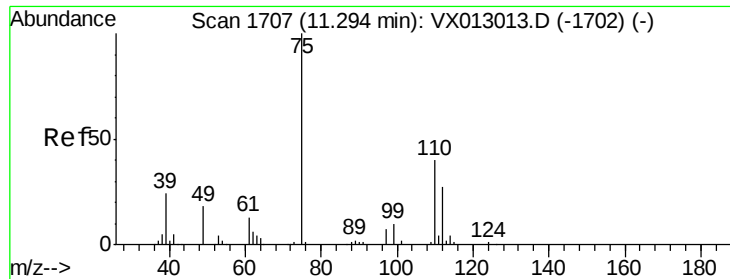


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0

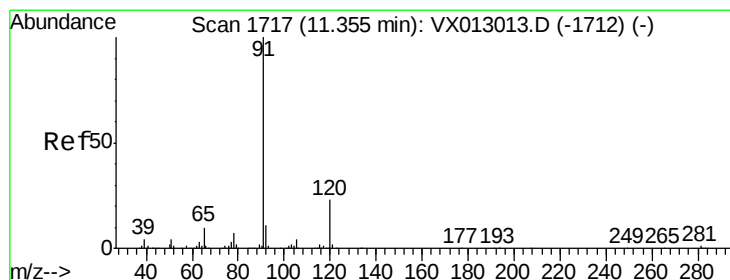
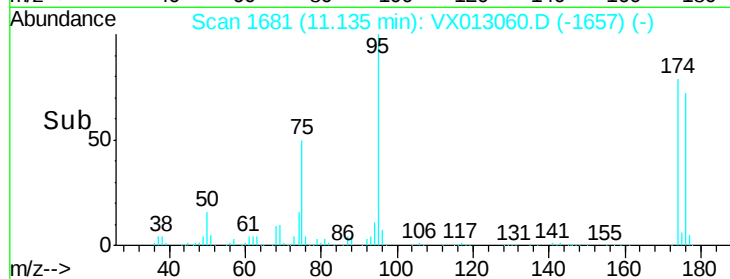
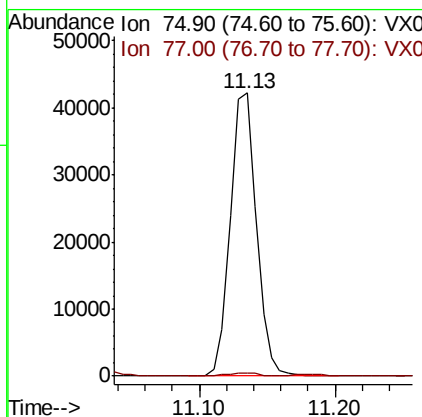
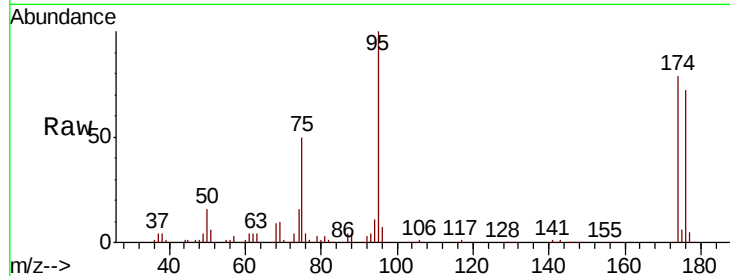




#76
 1,2,3-Trichloropropane
 Concen: 25.376 ug/l
 RT: 11.13 min Scan# 1681
 Delta R.T. -0.15 min
 Lab File: VX013060.D
 Acq: 14 Oct 2019 18:26

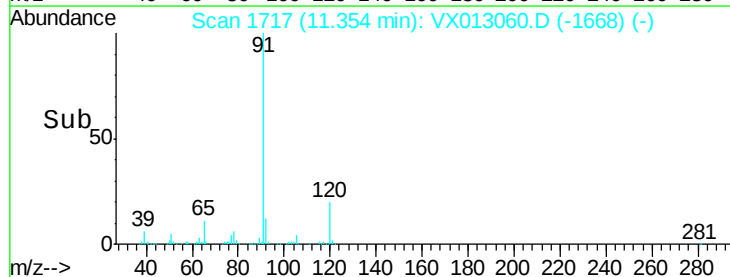
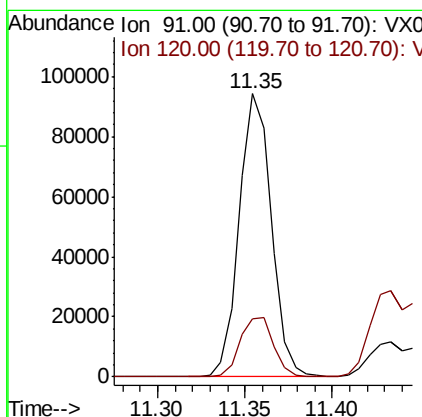
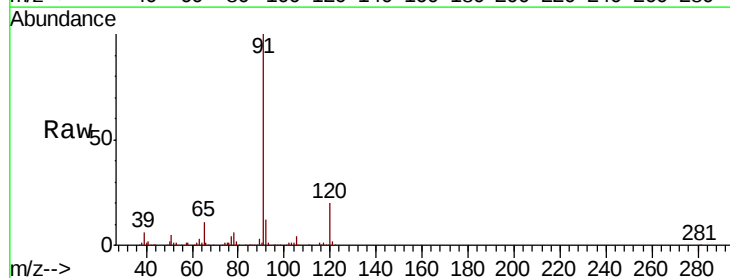
Instrument :
 MSVOA_X
 ClientSampleId :

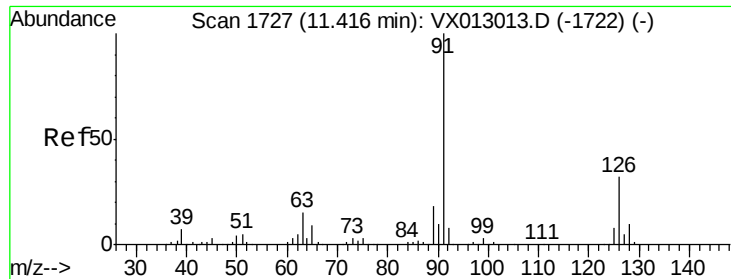
Tot Ion: 75 Resp: 56596
 Ion Ratio Lower Upper
 75 100
 77 1.4 22.9 68.8#



#78
 n-propylbenzene
 Concen: 14.853 ug/l
 RT: 11.35 min Scan# 1717
 Delta R.T. -0.00 min
 Lab File: VX013060.D
 Acq: 14 Oct 2019 18:26

Tgt Ion: 91 Resp: 120825
 Ion Ratio Lower Upper
 91 100
 120 22.1 11.7 35.1

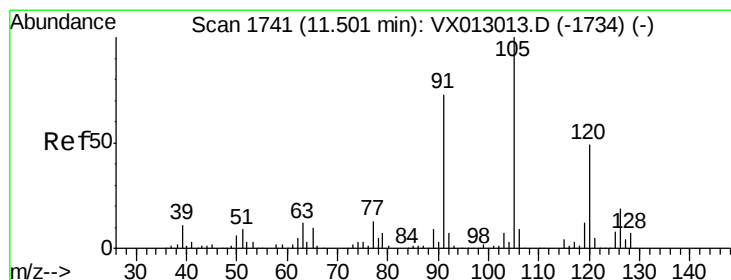
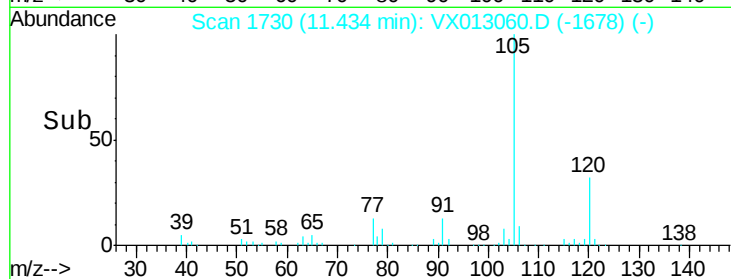
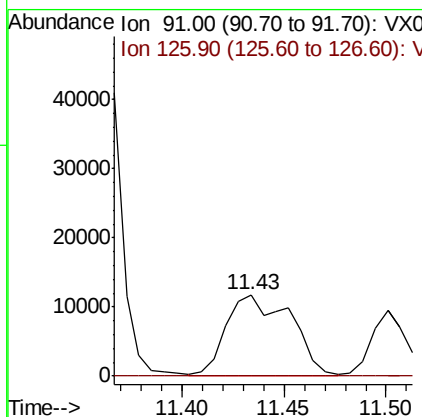
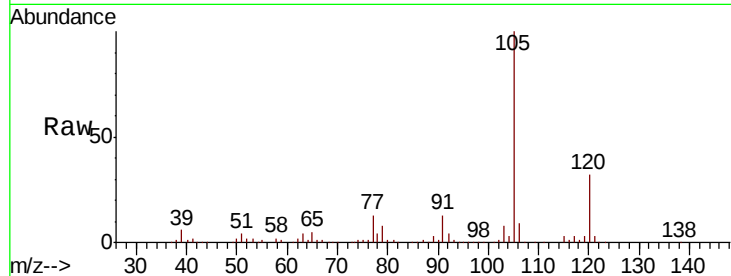




#79
 2-Chlorotoluene
 Concen: 5.032 ug/l
 RT: 11.43 min Scan# 1730
 Delta R.T. 0.02 min
 Lab File: VX013060.D
 Acq: 14 Oct 2019 18:26

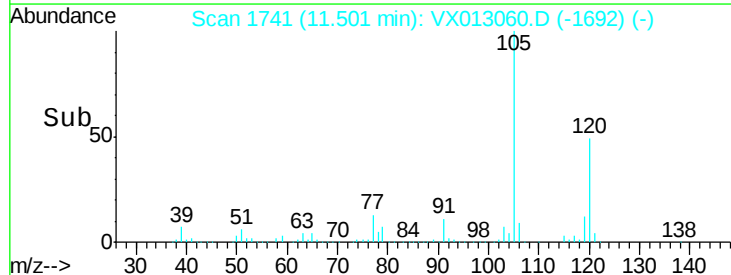
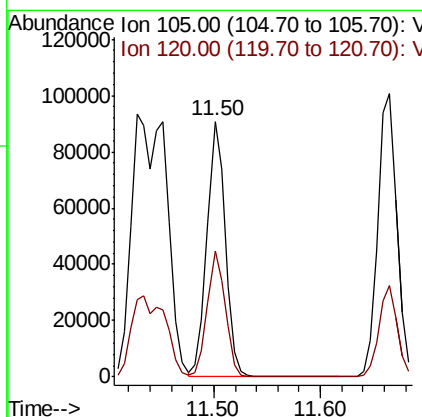
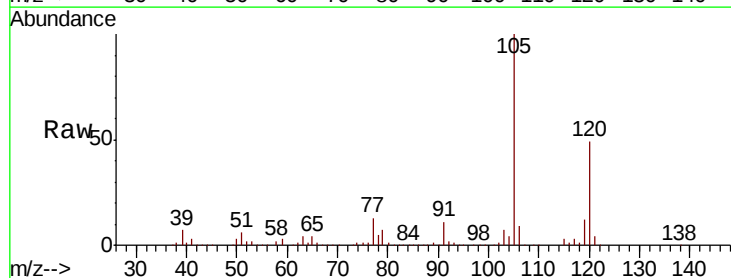
Instrument :
 MSVOA_X
 ClientSampleId :

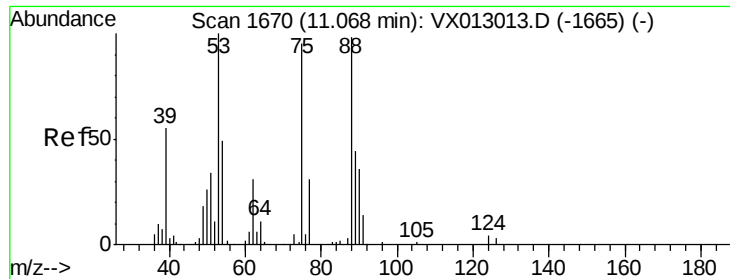
Tot Ion: 91 Resp: 25724
 Ion Ratio Lower Upper
 91 100
 126 0.0 16.3 48.8#



#80
 1,3,5-Trimethylbenzene
 Concen: 17.119 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX013060.D
 Acq: 14 Oct 2019 18:26

Tgt Ion: 105 Resp: 105676
 Ion Ratio Lower Upper
 105 100
 120 48.5 24.8 74.3





#81

trans-1,4-Dichloro-2-butene

Concen: 64.009 ug/l

RT: 11.13 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX013060.D

Acq: 14 Oct 2019 18:26

Instrument :

MSVOA_X

ClientSampleId :

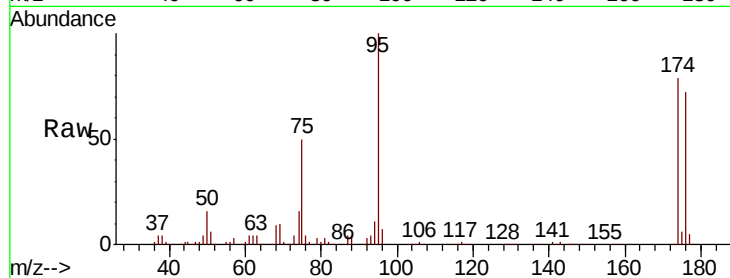
Tot Ion: 75 Resp: 56596

Ion Ratio Lower Upper

75 100

53 0.0 78.5 117.7#

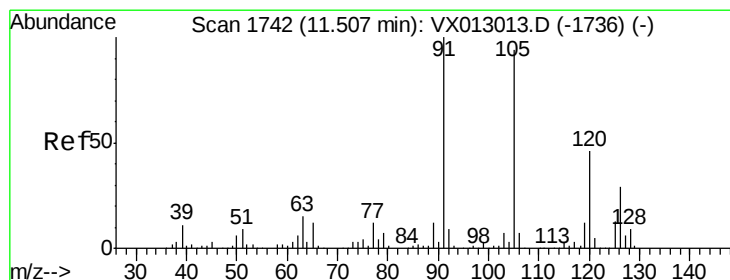
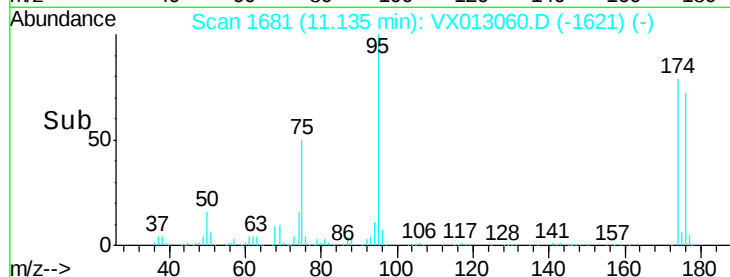
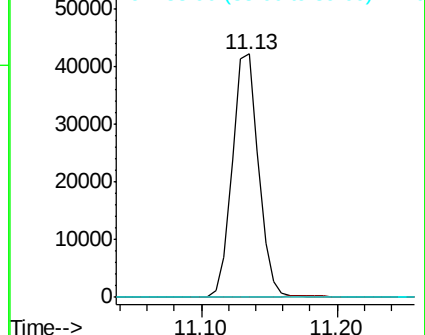
89 0.0 37.4 56.2#



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: 1.924 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. -0.01 min

Lab File: VX013060.D

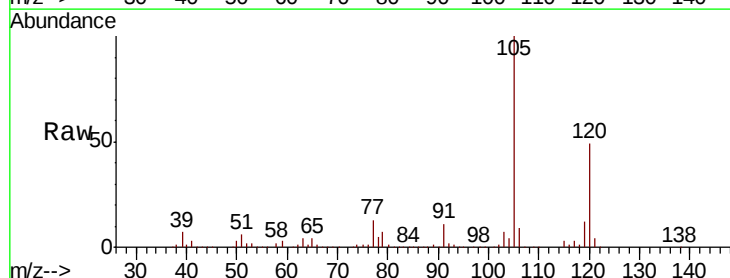
Acq: 14 Oct 2019 18:26

Tgt Ion: 91 Resp: 11274

Ion Ratio Lower Upper

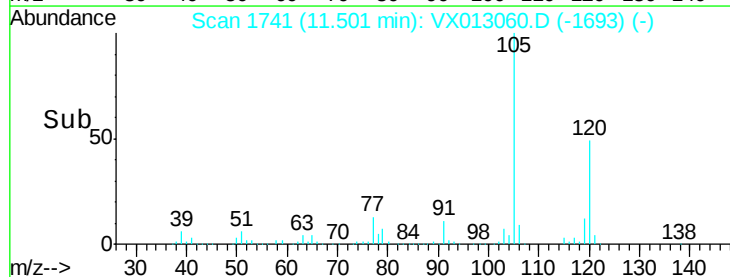
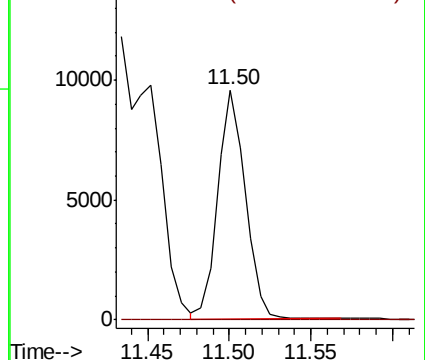
91 100

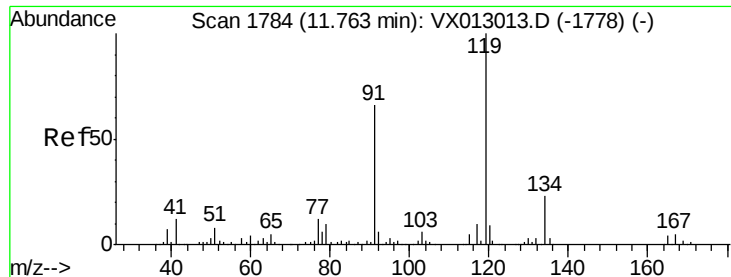
126 0.0 14.2 42.6#



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 0.737 ug/l

RT: 11.77 min Scan# 1785

Delta R.T. 0.01 min

Lab File: VX013060.D

Acq: 14 Oct 2019 18:26

Instrument :

MSVOA_X

ClientSampleId :

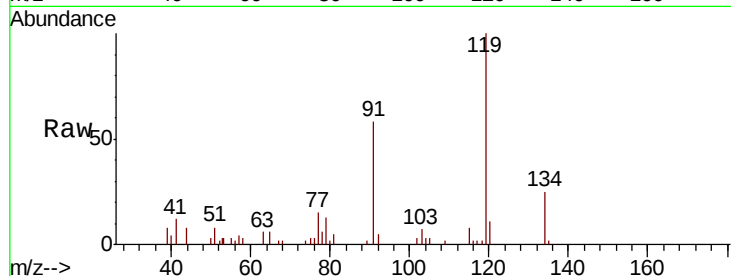
Tot Ion:119 Resp: 4441

Ion Ratio Lower Upper

119 100

91 72.9 29.3 87.9

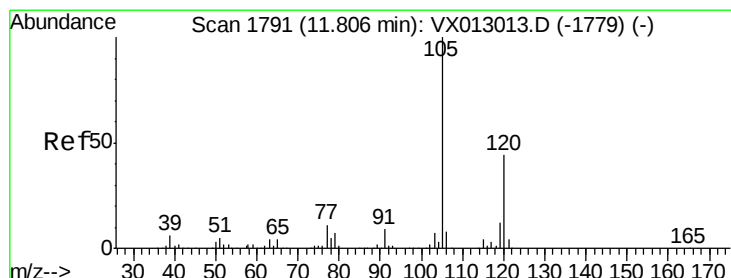
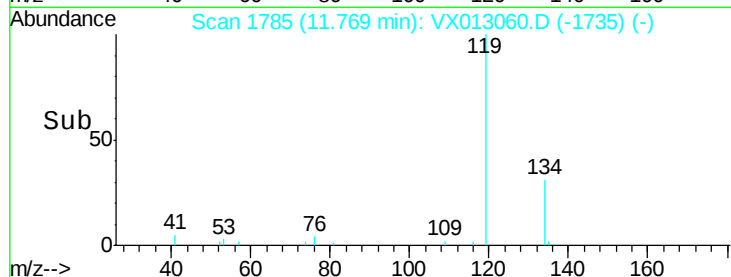
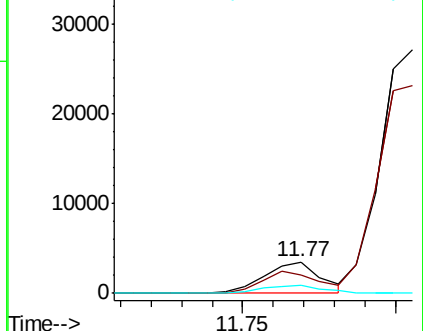
134 26.4 11.5 34.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 44.630 ug/l

RT: 11.81 min Scan# 1791

Delta R.T. -0.00 min

Lab File: VX013060.D

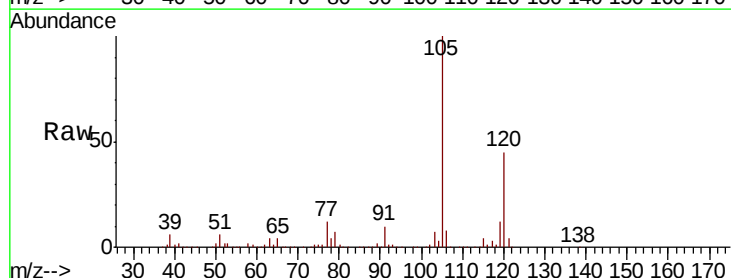
Acq: 14 Oct 2019 18:26

Tgt Ion:105 Resp: 279021

Ion Ratio Lower Upper

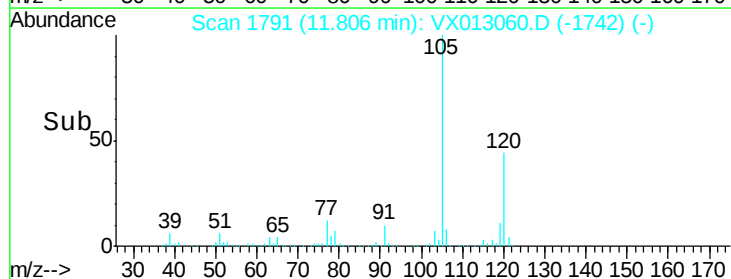
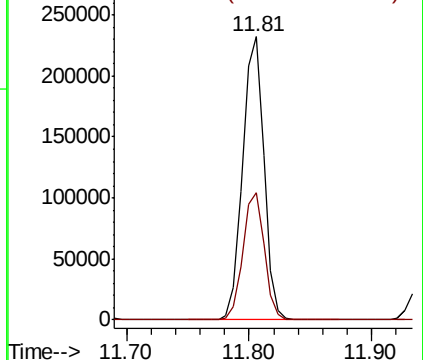
105 100

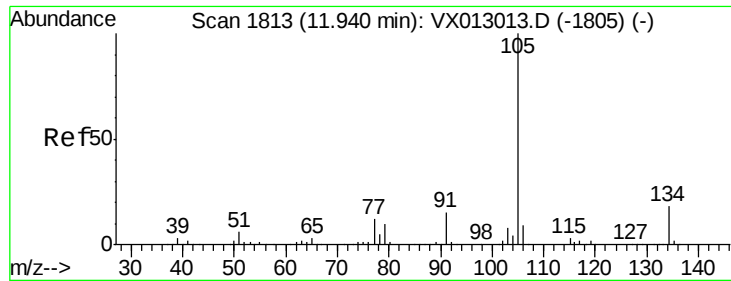
120 45.3 21.8 65.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

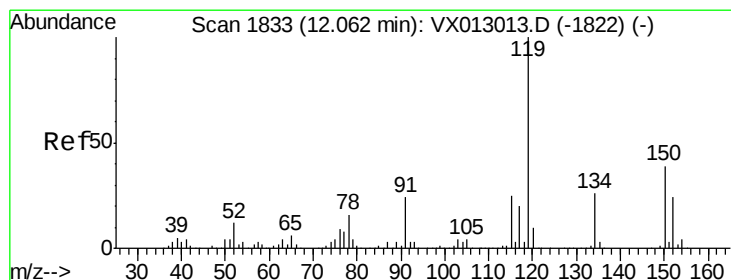
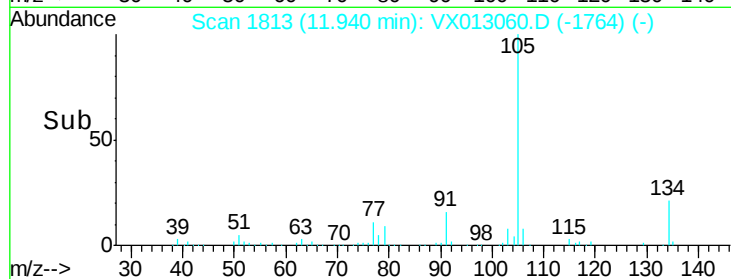
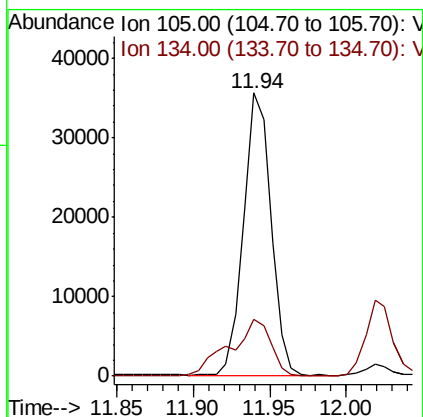
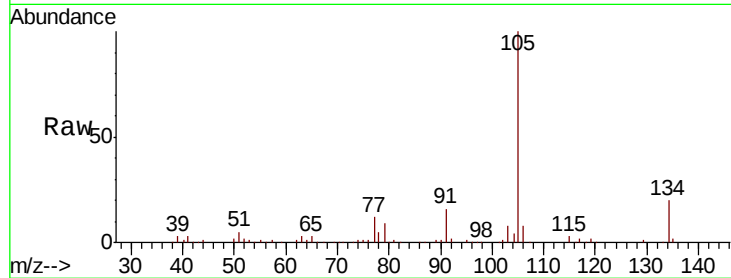




#85
 sec-Butylbenzene
 Concen: 6.343 ug/l
 RT: 11.94 min Scan# 1813
 Delta R.T. -0.00 min
 Lab File: VX013060.D
 Acq: 14 Oct 2019 18:26

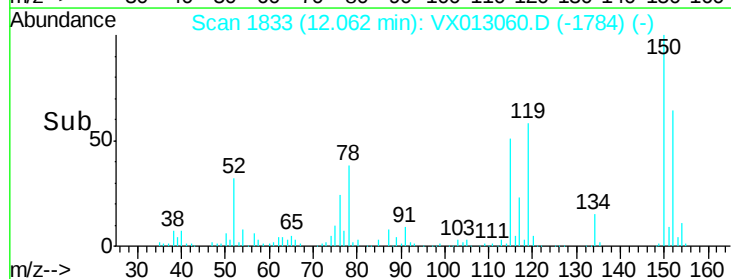
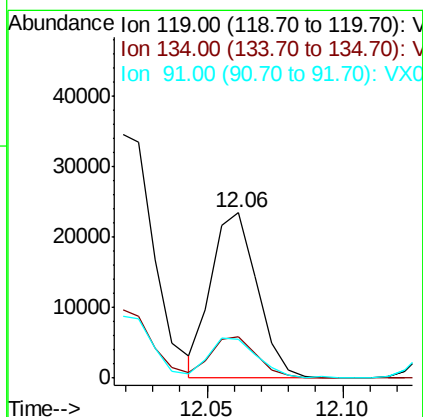
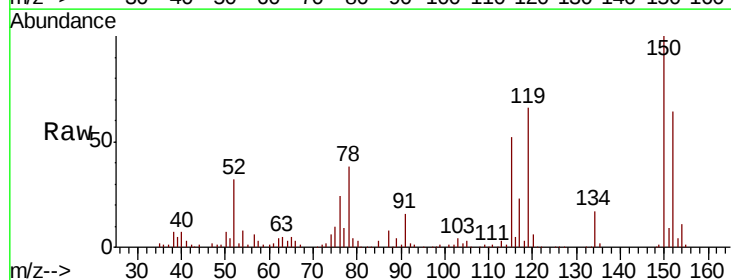
Instrument :
 MSVOA_X
 ClientSampleId :

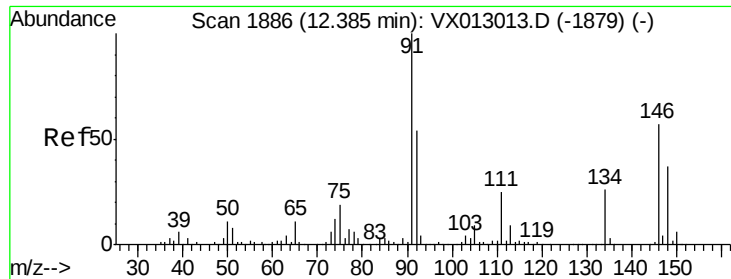
Tot Ion:105 Resp: 44254
 Ion Ratio Lower Upper
 105 100
 134 30.1 10.0 30.0#



#86
 p-Isopropyltoluene
 Concen: 4.268 ug/l
 RT: 12.06 min Scan# 1833
 Delta R.T. -0.00 min
 Lab File: VX013060.D
 Acq: 14 Oct 2019 18:26

Tgt Ion:119 Resp: 27617
 Ion Ratio Lower Upper
 119 100
 134 25.6 12.6 37.8
 91 25.1 12.4 37.4





#89

n-Butylbenzene

Concen: 4.374 ug/l

RT: 12.38 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VX013060.D

Acq: 14 Oct 2019 18:26

Instrument :

MSVOA_X

ClientSampled :

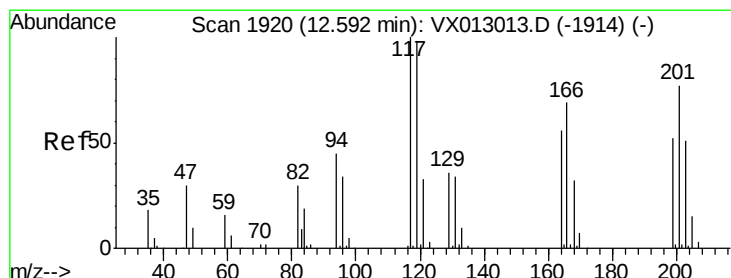
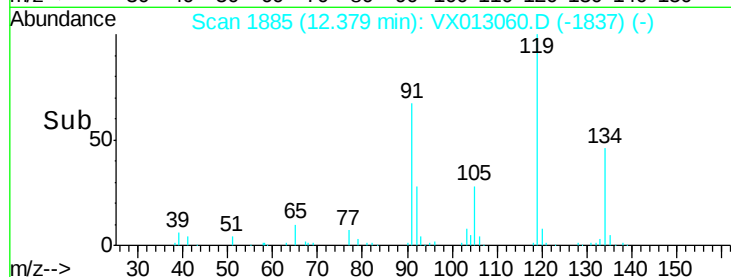
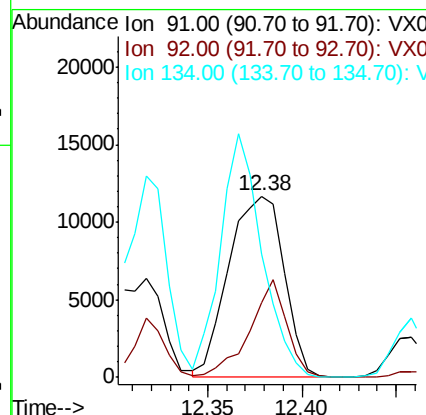
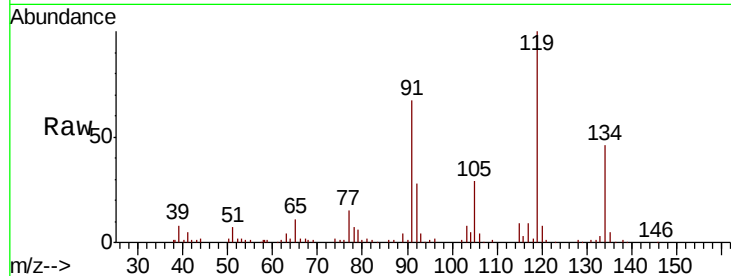
Tot Ion: 91 Resp: 23788

Ion Ratio Lower Upper

91 100

92 36.2 27.5 82.5

134 100.8 12.9 38.7#



#90

Hexachloroethane

Concen: 4.647 ug/l

RT: 12.60 min Scan# 1922

Delta R.T. 0.01 min

Lab File: VX013060.D

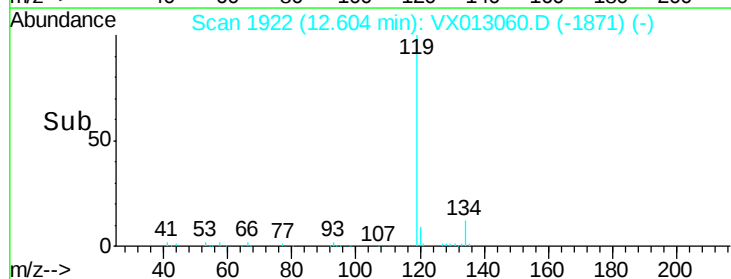
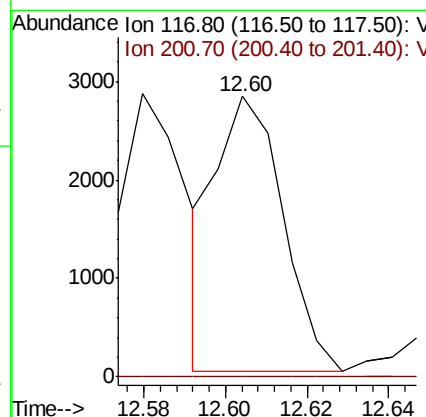
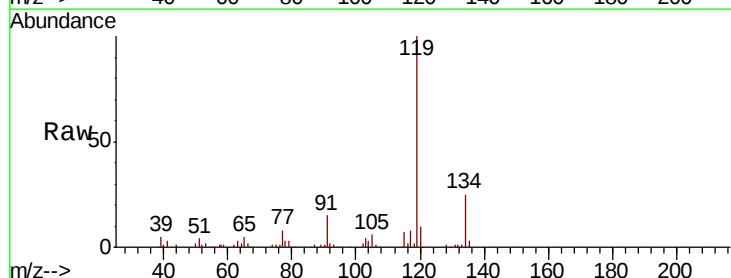
Acq: 14 Oct 2019 18:26

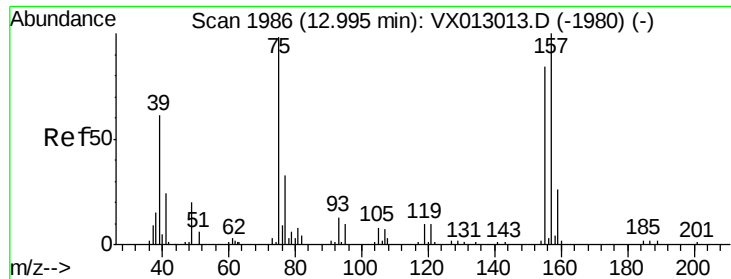
Tgt Ion: 117 Resp: 3165

Ion Ratio Lower Upper

117 100

201 0.0 36.9 110.7#





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.449 ug/l

RT: 12.98 min Scan# 1983

Delta R.T. -0.02 min

Lab File: VX013060.D

Acq: 14 Oct 2019 18:26

Instrument :

MSVOA_X

ClientSampleId :

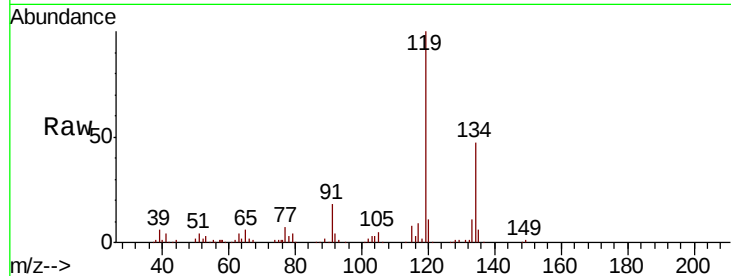
Tot Ion: 75 Resp: 259

Ion Ratio Lower Upper

75 100

155 0.0 43.0 128.8#

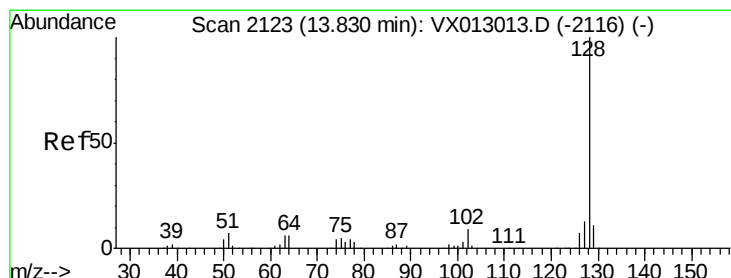
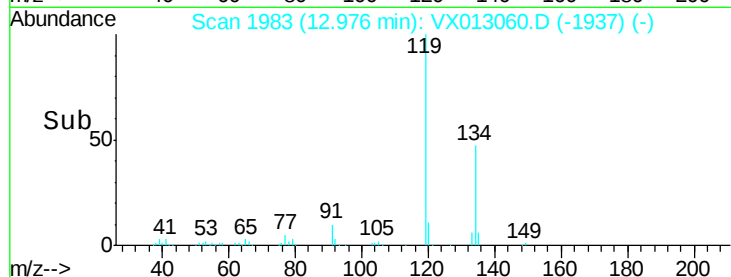
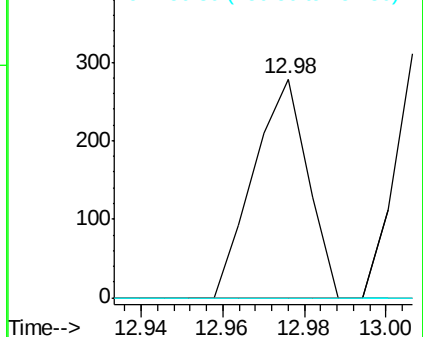
157 0.0 54.1 162.3#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V



#95

Naphthalene

Concen: 3.663 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. -0.00 min

Lab File: VX013060.D

Acq: 14 Oct 2019 18:26

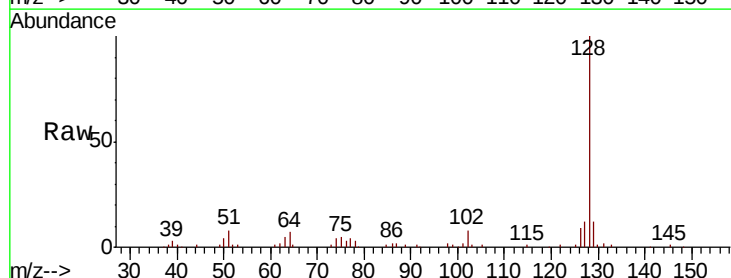
Tgt Ion: 128 Resp: 25230

Ion Ratio Lower Upper

128 100

127 13.9 10.2 15.4

129 15.4 8.8 13.2#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

