

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062019\
 Data File : VX010363.D
 Acq On : 20 Jun 2019 17:35
 Operator : JC/SP
 Sample : K3469-11
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 21 01:23:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	315502	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	476658	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	428617	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	201740	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	143426	48.49	ug/l	0.00
Spiked Amount			Recovery	=	96.98%	
35) Dibromofluoromethane	5.50	113	144272	49.47	ug/l	0.00
Spiked Amount			Recovery	=	98.94%	
50) Toluene-d8	8.71	98	561123	50.29	ug/l	0.00
Spiked Amount			Recovery	=	100.58%	
62) 4-Bromofluorobenzene	11.13	95	189540	47.05	ug/l	0.00
Spiked Amount			Recovery	=	94.10%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	948	0.371	ug/l #	86
5) Bromomethane	1.65	94	662	0.486	ug/l #	72
6) Chloroethane	1.92	64	531	0.322	ug/l #	41
11) Tert butyl alcohol	3.04	59	3128	4.041	ug/l #	74
13) Acrolein	2.26	56	1126	2.193	ug/l #	1
14) Allyl chloride	2.61	41	2849	0.734	ug/l #	45
15) Acrylonitrile	3.17	53	1539	1.004	ug/l #	53
16) Acetone	2.44	43	33089	22.319	ug/l	96
17) Carbon Disulfide	2.57	76	1682	0.229	ug/l #	73
18) Methyl Acetate	2.78	43	2710	0.917	ug/l	99
19) Methyl tert-butyl Ether	3.19	73	3971	0.462	ug/l #	1
23) Vinyl Acetate	3.81	43	1943	0.277	ug/l #	68
25) 2-Butanone	4.68	43	20542	9.446	ug/l	92
29) Tetrahydrofuran	5.13	42	661	0.491	ug/l #	45
30) Chloroform	5.28	83	5627	1.115	ug/l #	38
31) Cyclohexane	5.59	56	45499	10.648	ug/l #	91
36) 1,1-Dichloropropene	5.66	75	19267	5.087	ug/l #	50
37) Ethyl Acetate	4.68	43	20542	5.272	ug/l #	66
38) Carbon Tetrachloride	5.66	117	26795	6.533	ug/l #	16
39) Methylcyclohexane	7.46	83	58781	11.806	ug/l	92
40) Benzene	6.14	78	47607	4.034	ug/l	97
41) Methacrylonitrile	5.07	41	600	0.281	ug/l #	28
43) Isopropyl Acetate	6.45	43	1791	0.278	ug/l #	57
45) 1,2-Dichloropropane	7.45	63	1010	0.339	ug/l #	1
48) Methyl methacrylate	7.74	41	5999	2.002	ug/l #	45
49) 1,4-Dioxane	7.82	88	19	0.220	ug/l #	1
51) 4-Methyl-2-Pentanone	8.64	43	5196	1.260	ug/l	94
52) Toluene	8.78	92	4695	0.604	ug/l	97
55) 1,1,2-Trichloroethane	9.16	97	7929	2.474	ug/l #	17
56) Ethyl methacrylate	9.16	69	1882	0.388	ug/l #	30
59) 2-Hexanone	9.49	43	1401	0.432	ug/l	82
67) Ethyl Benzene	10.25	91	5183	0.353	ug/l	99
68) m/p-Xylenes	10.36	106	11540	2.027	ug/l	97
69) o-Xylene	10.69	106	1573	0.281	ug/l	86

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

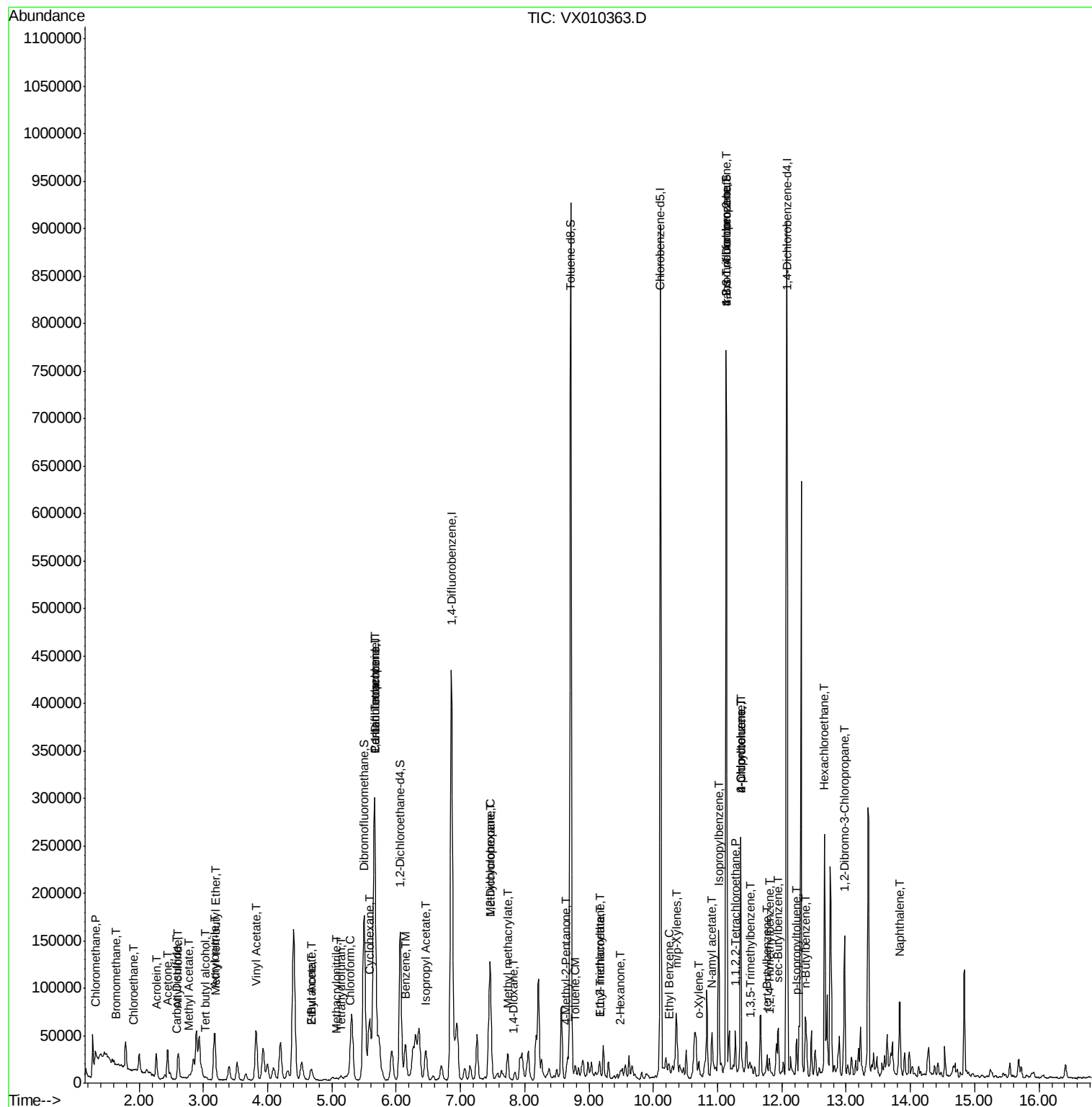
73) Isopropylbenzene	11.02	105	82064	6.001	ug/l	99
74) N-amyl acetate	10.91	43	1444	0.279	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	11.27	83	2346	0.518	ug/l #	55
76) 1,2,3-Trichloropropane	11.13	75	89097	24.236	ug/l #	33
78) n-propylbenzene	11.36	91	154955	10.310	ug/l	99
79) 2-Chlorotoluene	11.36	91	154955	17.313	ug/l #	38
80) 1,3,5-Trimethylbenzene	11.51	105	3684	0.327	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.13	75	89097	56.540	ug/l #	16
82) 4-Chlorotoluene	11.36	91	154955	15.215	ug/l #	42
83) tert-Butylbenzene	11.77	119	7707	0.681	ug/l	90
84) 1,2,4-Trimethylbenzene	11.80	105	4620	0.408	ug/l	94
85) sec-Butylbenzene	11.94	105	25417	1.913	ug/l	94
86) p-Isopropyltoluene	12.23	119	16752	1.363	ug/l	96
89) n-Butylbenzene	12.38	91	16064	1.538	ug/l #	74
90) Hexachloroethane	12.66	117	11863	5.583	ug/l #	5
92) 1,2-Dibromo-3-Chloropropan	12.97	75	589	0.603	ug/l #	1
95) Naphthalene	13.83	128	52111	3.691	ug/l	97

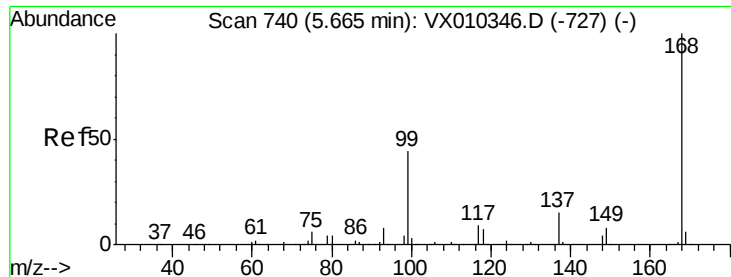
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX010363.D

Acq: 20 Jun 2019 17:35

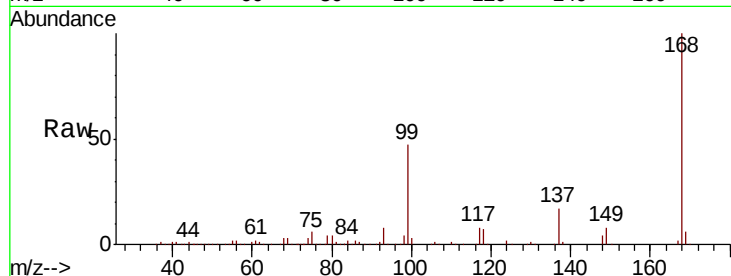
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 315502

Ion Ratio Lower Upper

168 100

99 46.6 35.5 53.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

120000

100000

80000

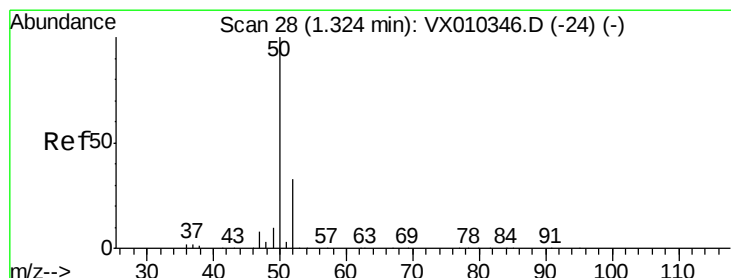
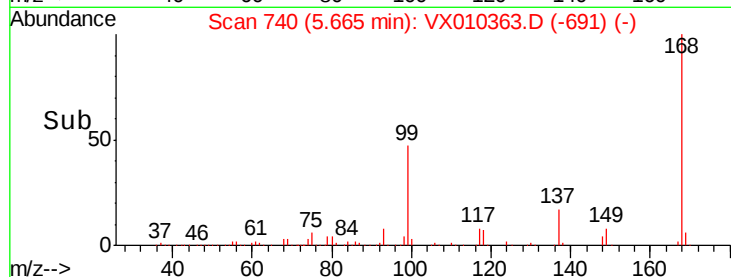
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.371 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX010363.D

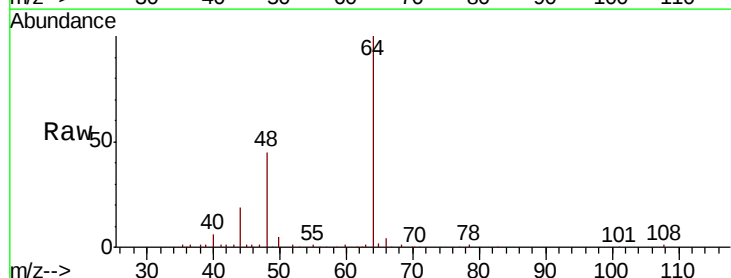
Acq: 20 Jun 2019 17:35

Tgt Ion: 50 Resp: 948

Ion Ratio Lower Upper

50 100

52 25.2 26.5 39.7#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

800

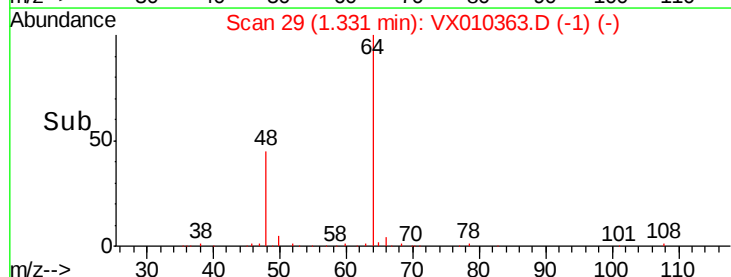
600

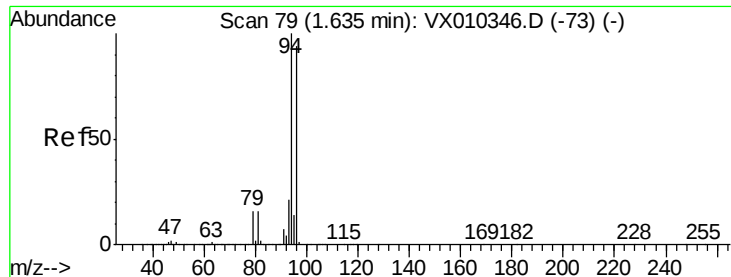
400

200

0

Time--> 1.30 1.35





#5

Bromomethane

Concen: 0.486 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX010363.D

Acq: 20 Jun 2019 17:35

Instrument :

MSVOA_X

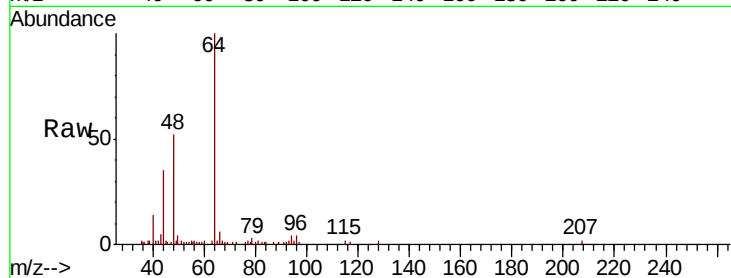
ClientSampled :

Tot Ion: 94 Resp: 662

Ion Ratio Lower Upper

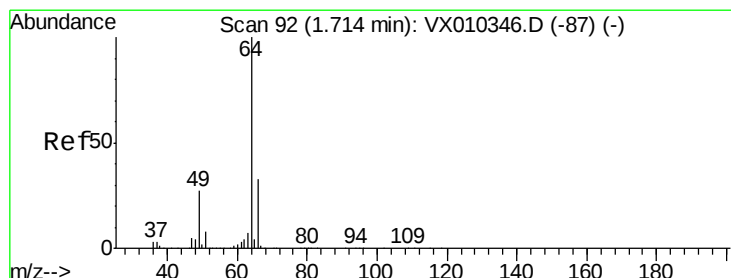
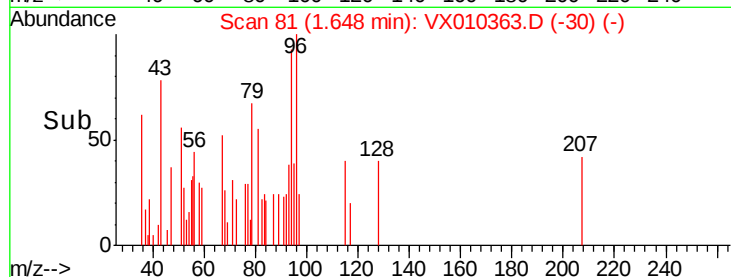
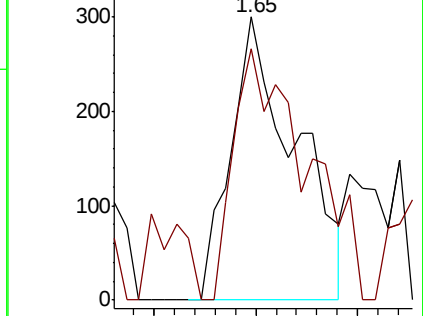
94 100

96 67.0 75.5 113.3#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 0.322 ug/l

RT: 1.92 min Scan# 125

Delta R.T. 0.20 min

Lab File: VX010363.D

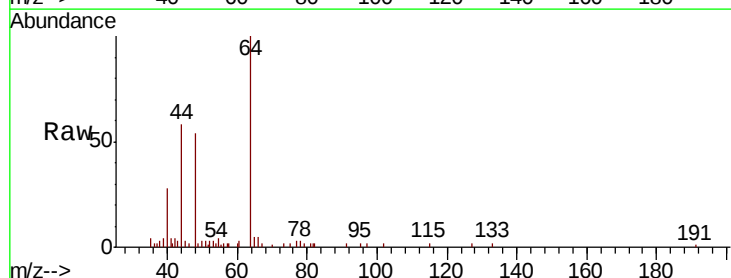
Acq: 20 Jun 2019 17:35

Tgt Ion: 64 Resp: 531

Ion Ratio Lower Upper

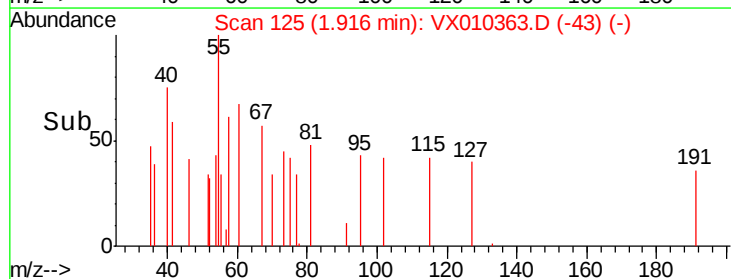
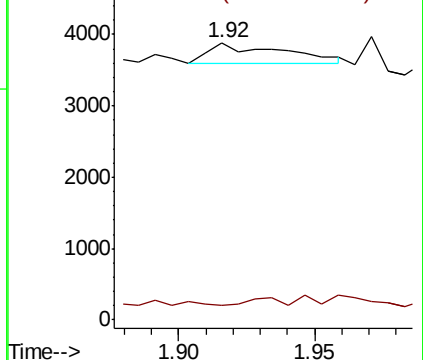
64 100

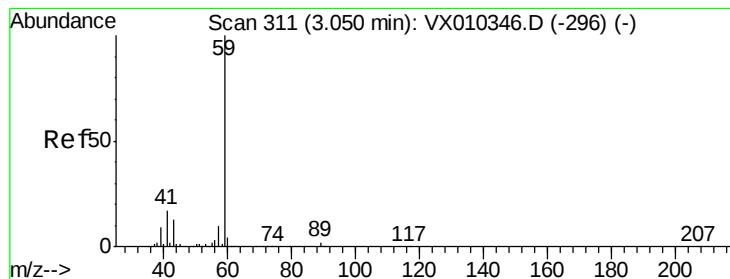
66 0.0 26.6 40.0#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



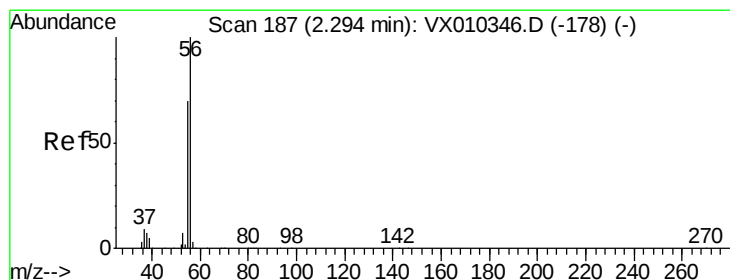
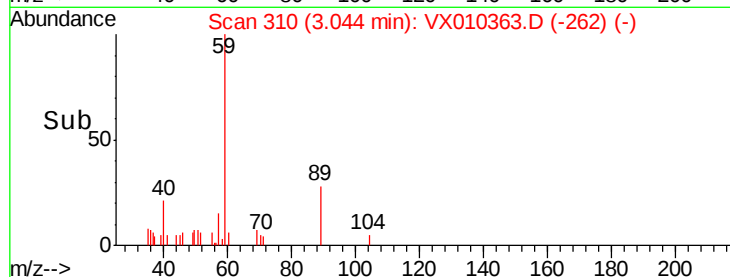
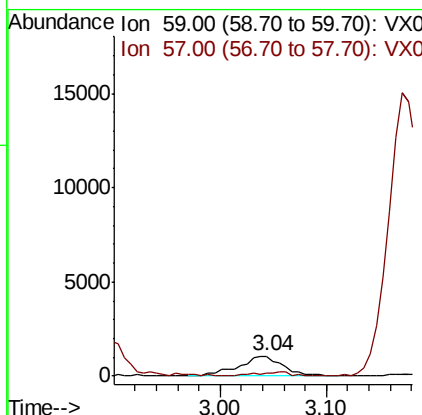
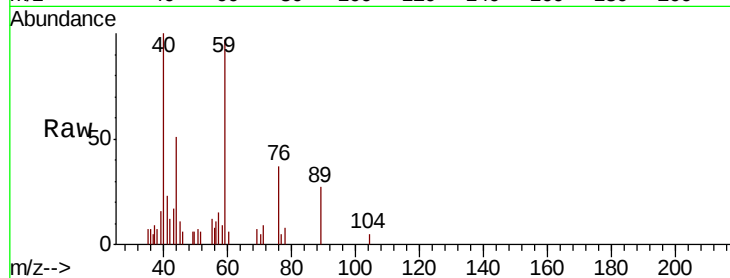


#11

Tert butyl alcohol
 Concen: 4.041 ug/l
 RT: 3.04 min Scan# 310
 Delta R.T. -0.01 min
 Lab File: VX010363.D
 Acq: 20 Jun 2019 17:35

Instrument :
 MSVOA_X
 ClientSampleId :

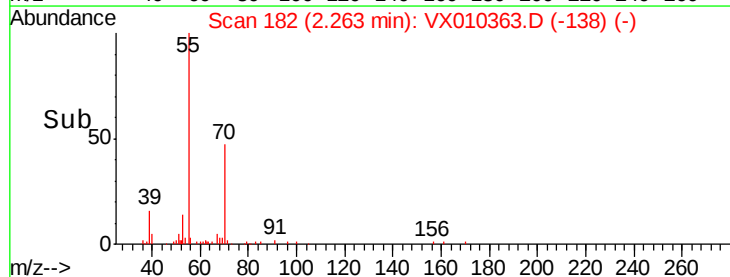
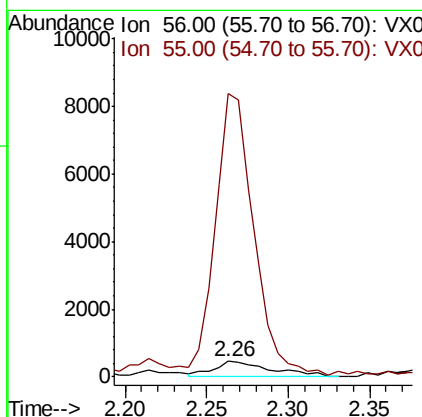
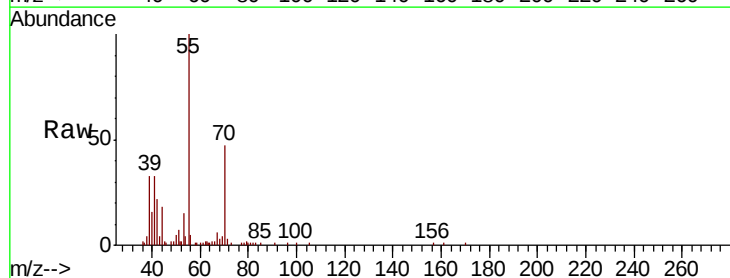
Tot Ion: 59 Resp: 3128
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.7 11.5#

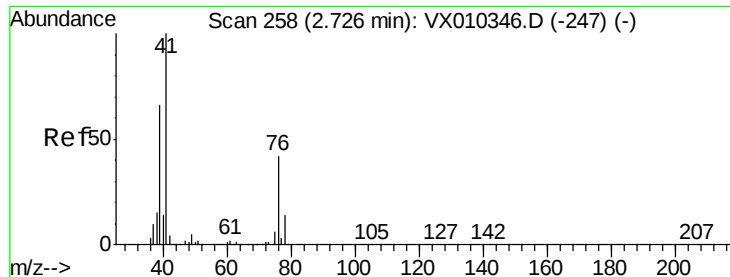


#13

Acrolein
 Concen: 2.193 ug/l
 RT: 2.26 min Scan# 182
 Delta R.T. -0.03 min
 Lab File: VX010363.D
 Acq: 20 Jun 2019 17:35

Tgt Ion: 56 Resp: 1126
 Ion Ratio Lower Upper
 56 100
 55 1221.2 56.9 85.3#





#14

Allvl chloride

Concen: 0.734 ug/l

RT: 2.61 min Scan# 239

Delta R.T. -0.12 min

Lab File: VX010363.D

Acq: 20 Jun 2019 17:35

Instrument :

MSVOA_X

ClientSampleId :

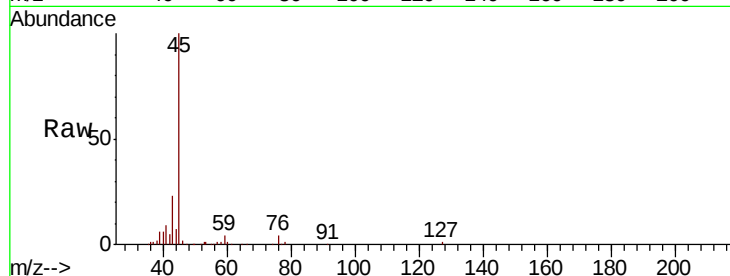
Tot Ion: 41 Resp: 2849

Ion Ratio Lower Upper

41 100

39 100.7 50.3 75.5#

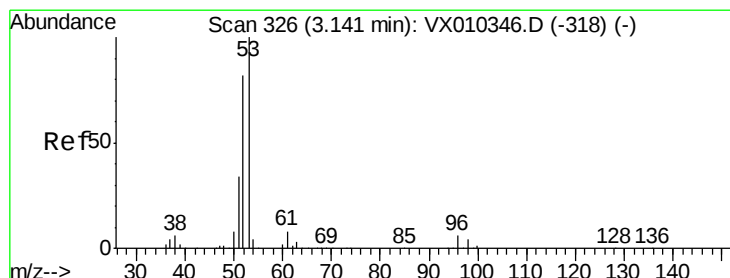
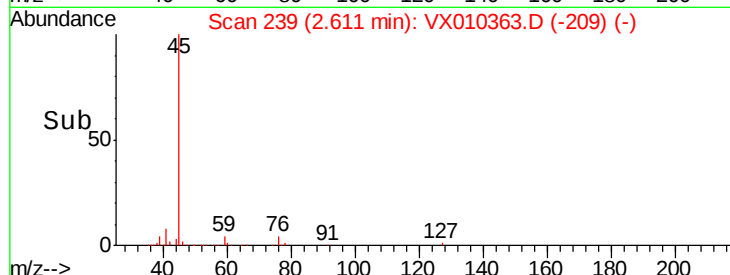
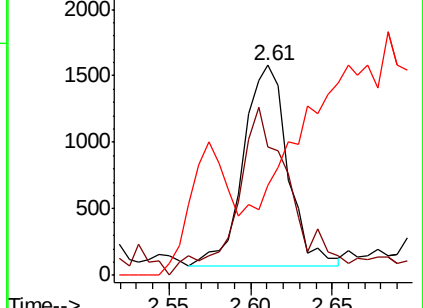
76 0.0 31.3 46.9#



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: 1.004 ug/l

RT: 3.17 min Scan# 331

Delta R.T. 0.03 min

Lab File: VX010363.D

Acq: 20 Jun 2019 17:35

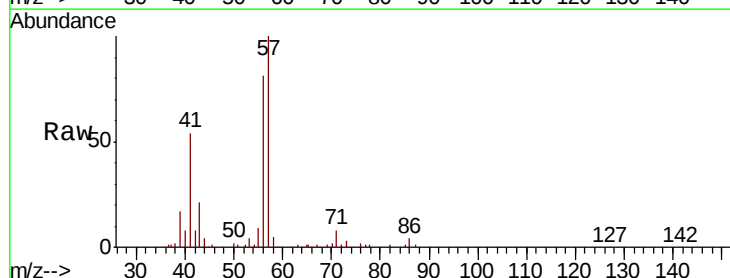
Tgt Ion: 53 Resp: 1539

Ion Ratio Lower Upper

53 100

52 27.7 65.5 98.3#

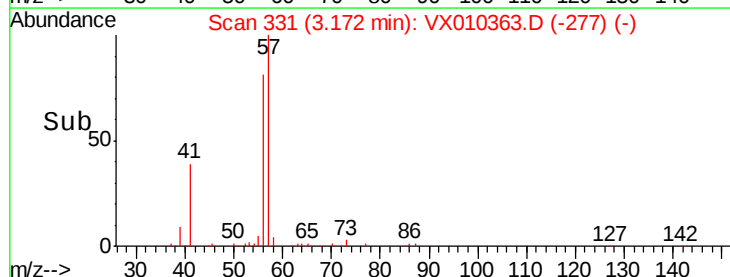
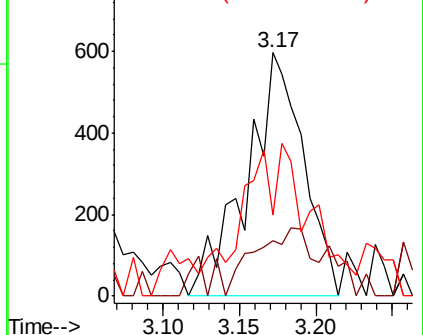
51 26.1 28.2 42.4#

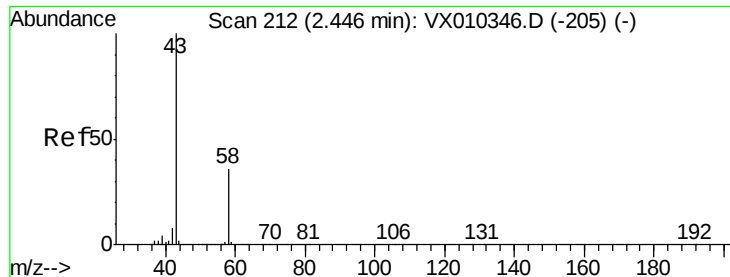


Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0





#16

Acetone

Concen: 22.319 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX010363.D

Acq: 20 Jun 2019 17:35

Instrument :

MSVOA_X

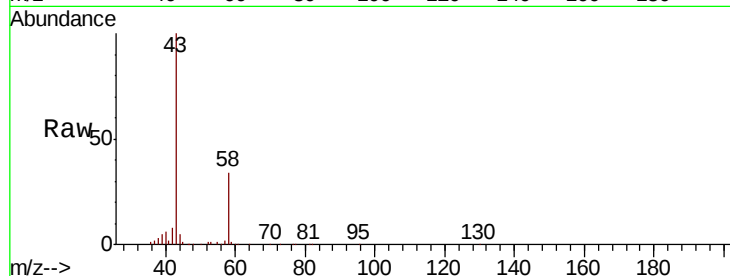
ClientSampleId :

Tot Ion: 43 Resp: 33089

Ion Ratio Lower Upper

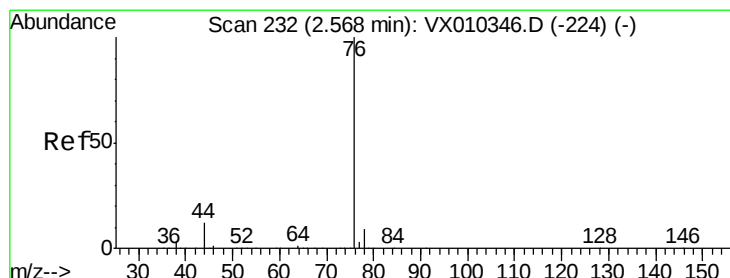
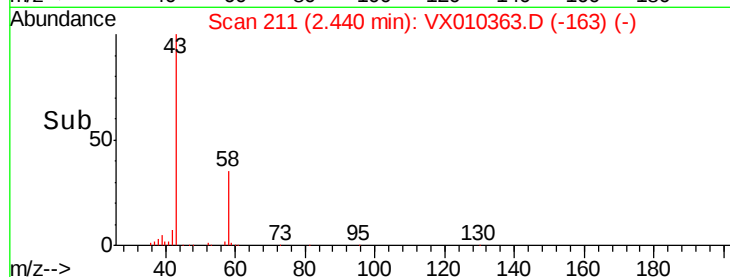
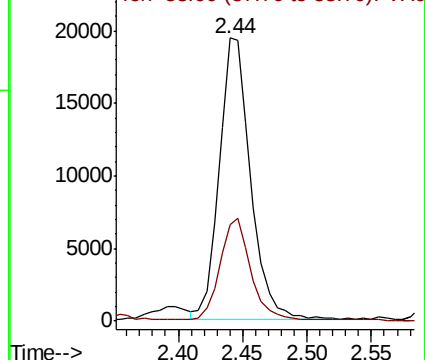
43 100

58 34.0 28.9 43.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 0.229 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX010363.D

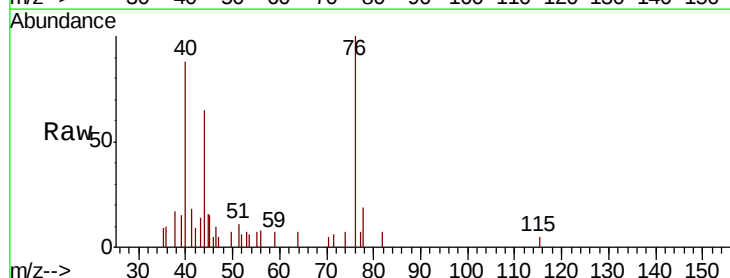
Acq: 20 Jun 2019 17:35

Tgt Ion: 76 Resp: 1682

Ion Ratio Lower Upper

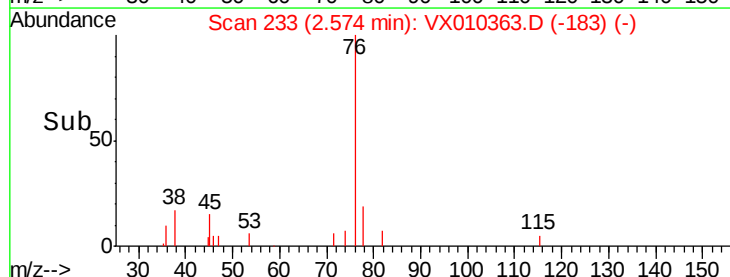
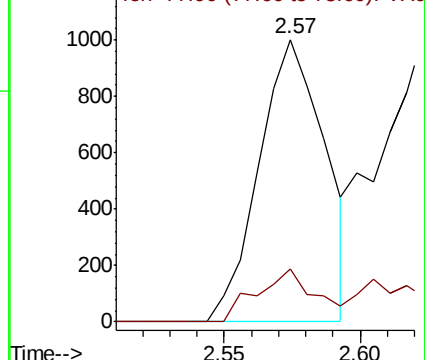
76 100

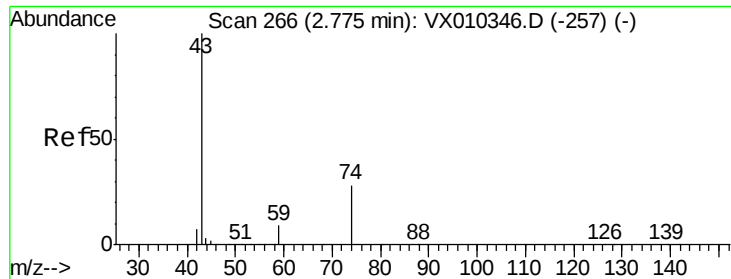
78 18.8 7.3 10.9#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

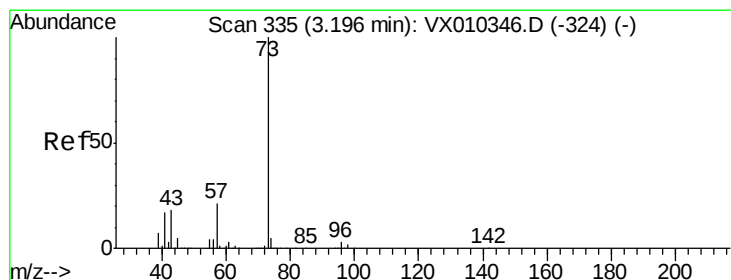
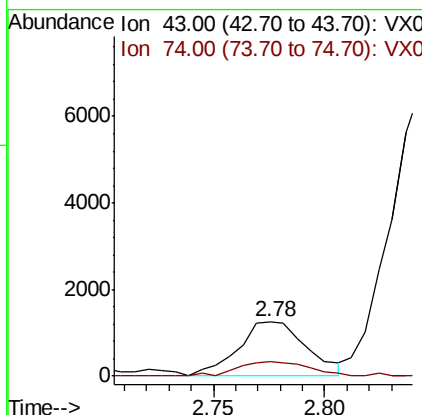
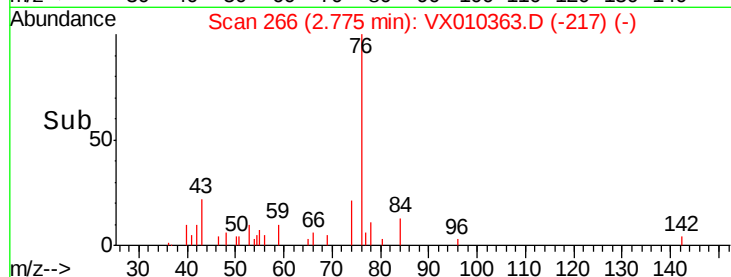
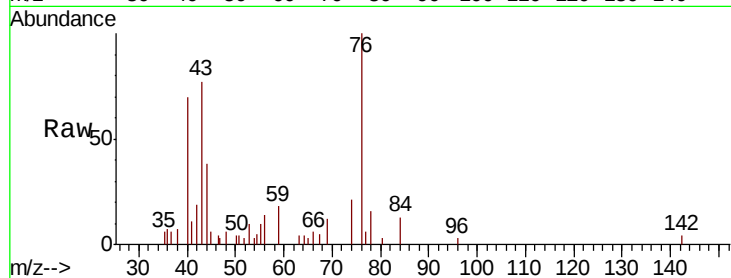




#18
Methyl Acetate
Concen: 0.917 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX010363.D
Acq: 20 Jun 2019 17:35

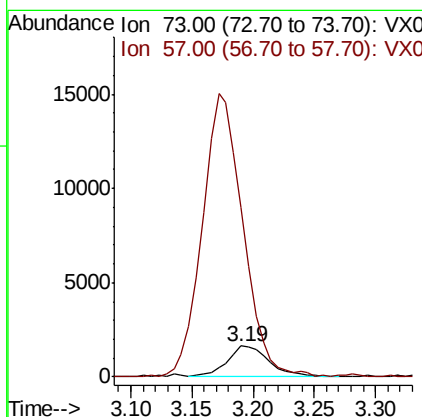
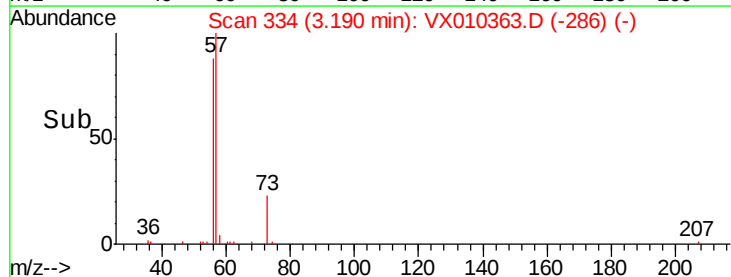
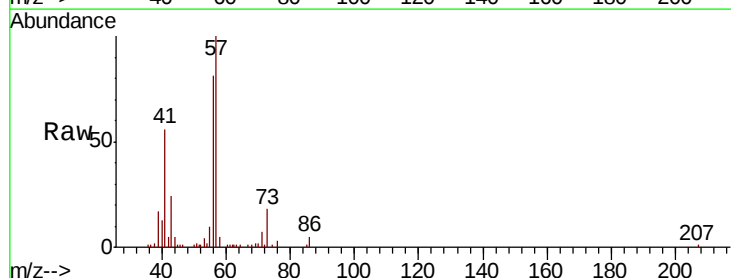
Instrument :
MSVOA_X
ClientSampleId :

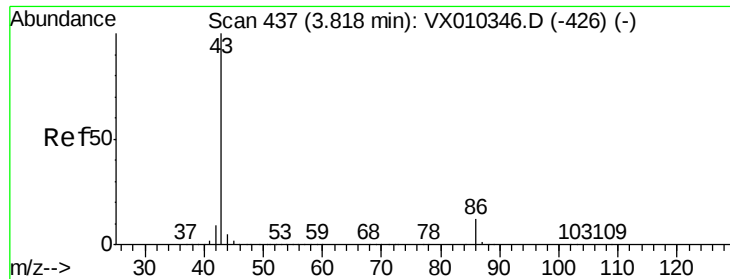
Tot Ion: 43 Resp: 2710
Ion Ratio Lower Upper
43 100
74 27.1 21.3 31.9



#19
Methyl tert-butyl Ether
Concen: 0.462 ug/l
RT: 3.19 min Scan# 334
Delta R.T. -0.01 min
Lab File: VX010363.D
Acq: 20 Jun 2019 17:35

Tgt Ion: 73 Resp: 3971
Ion Ratio Lower Upper
73 100
57 547.1 16.4 24.6#





#23

Vinyl Acetate

Concen: 0.277 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.01 min

Lab File: VX010363.D

Acq: 20 Jun 2019 17:35

Instrument :

MSVOA_X

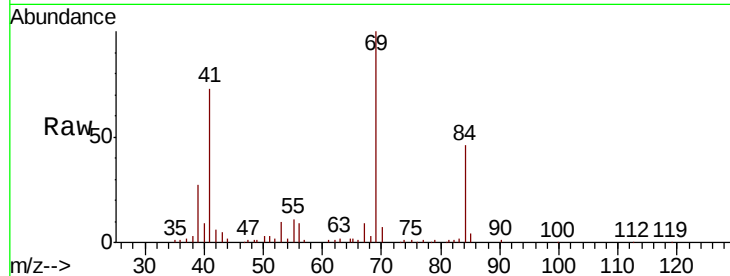
ClientSampled :

Tot Ion: 43 Resp: 1943

Ion Ratio Lower Upper

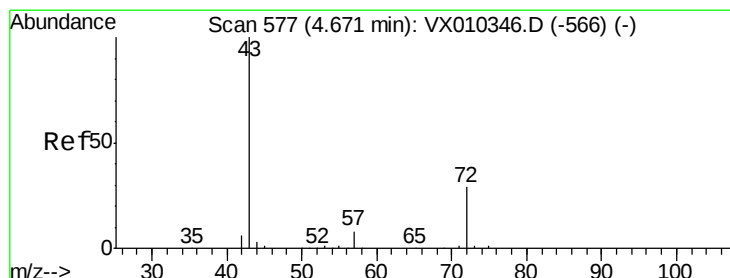
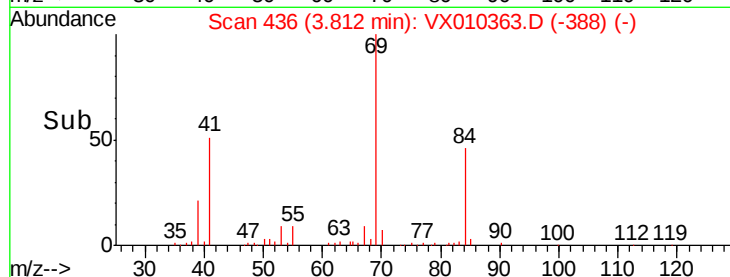
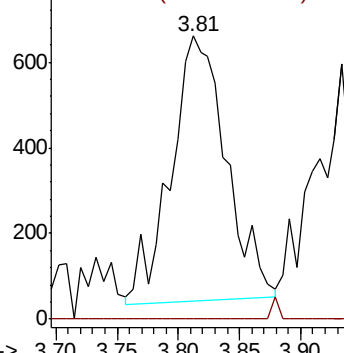
43 100

86 0.0 9.9 14.9#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#25

2-Butanone

Concen: 9.446 ug/l

RT: 4.68 min Scan# 578

Delta R.T. 0.01 min

Lab File: VX010363.D

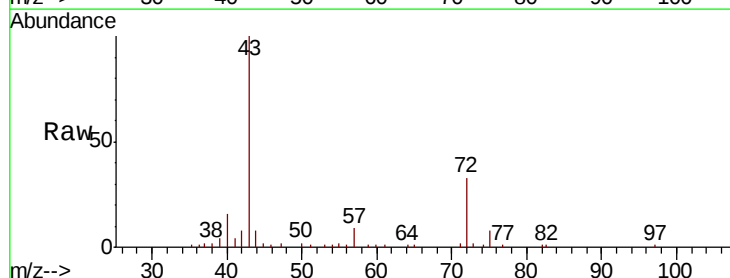
Acq: 20 Jun 2019 17:35

Tgt Ion: 43 Resp: 20542

Ion Ratio Lower Upper

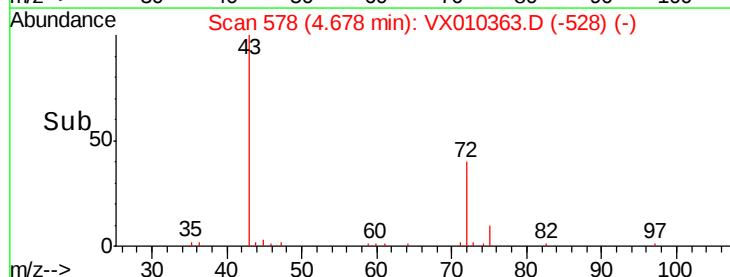
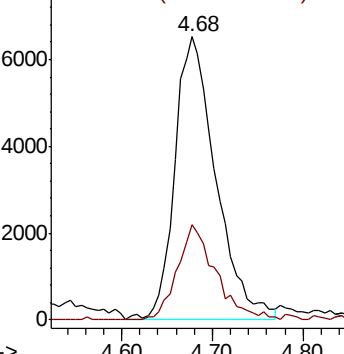
43 100

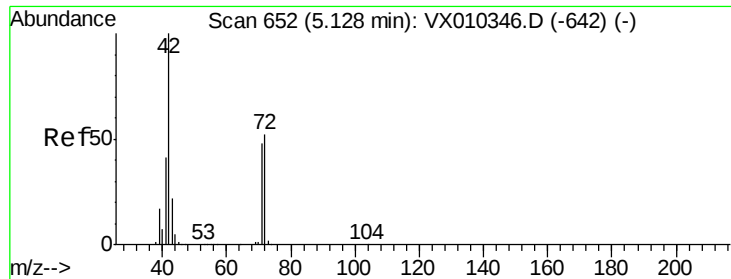
72 33.5 23.3 34.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

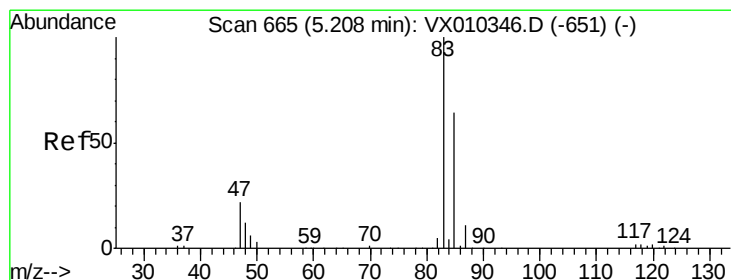
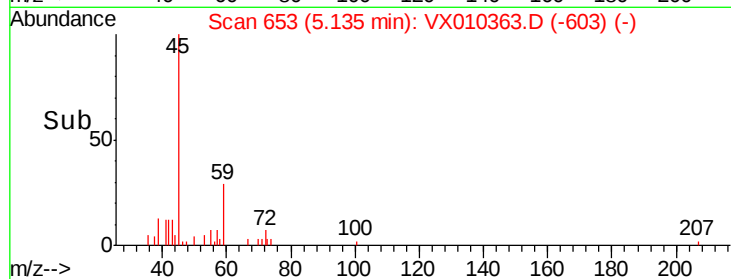
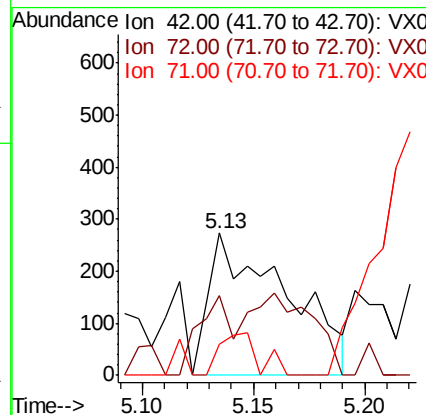
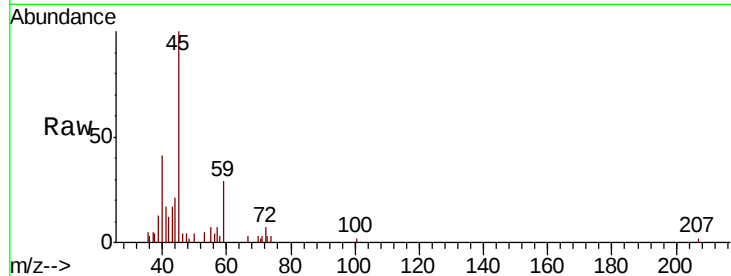




#29
Tetrahydrofuran
Concen: 0.491 ug/l
RT: 5.13 min Scan# 653
Delta R.T. 0.01 min
Lab File: VX010363.D
Acq: 20 Jun 2019 17:35

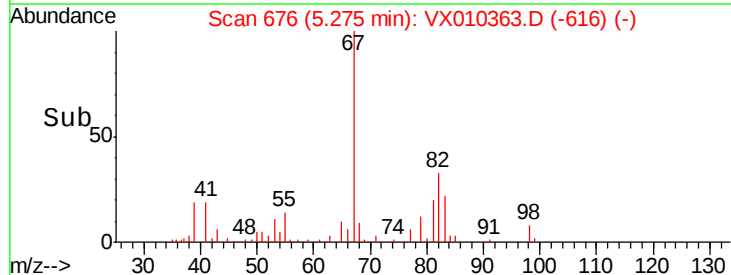
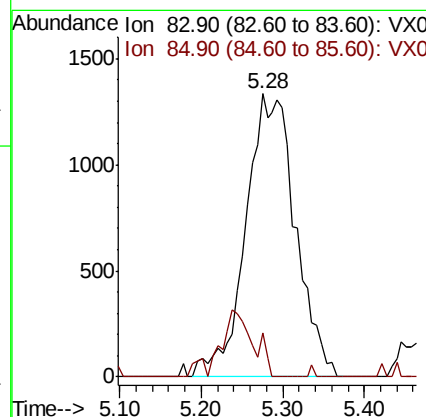
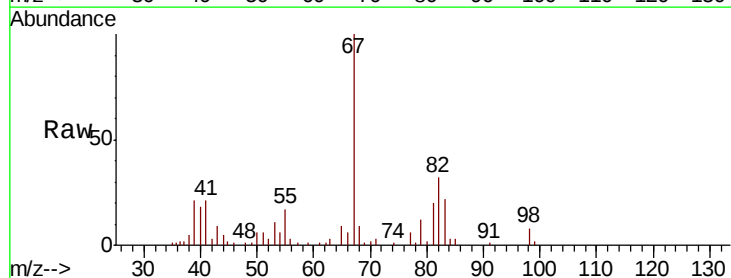
Instrument :
MSVOA_X
ClientSampleId :

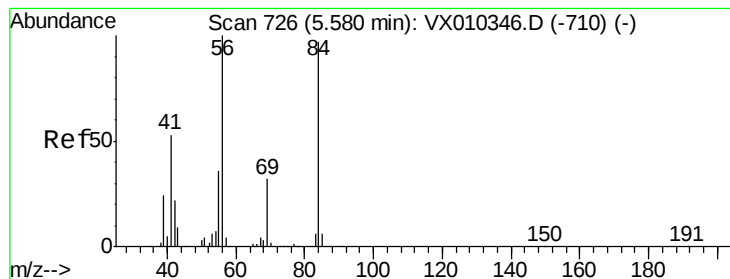
Tot Ion: 42 Resp: 661
Ion Ratio Lower Upper
42 100
72 23.3 40.6 60.8#
71 0.0 37.8 56.8#



#30
Chloroform
Concen: 1.115 ug/l
RT: 5.28 min Scan# 676
Delta R.T. 0.07 min
Lab File: VX010363.D
Acq: 20 Jun 2019 17:35

Tgt Ion: 83 Resp: 5627
Ion Ratio Lower Upper
83 100
85 15.6 50.9 76.3#





#31

Cyclohexane

Concen: 10.648 ug/l

RT: 5.59 min Scan# 727

Delta R.T. 0.01 min

Lab File: VX010363.D

Acq: 20 Jun 2019 17:35

Instrument :

MSVOA_X

ClientSampleId :

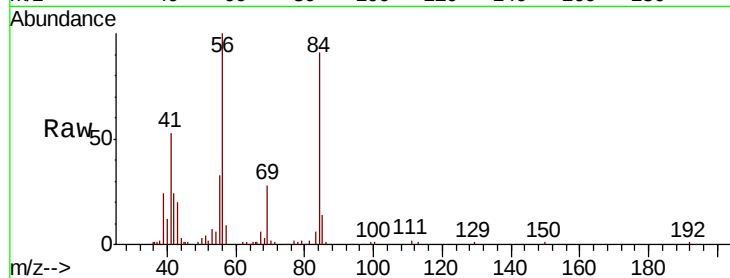
Tot Ion: 56 Resp: 45499

Ion Ratio Lower Upper

56 100

69 23.1 25.9 38.9#

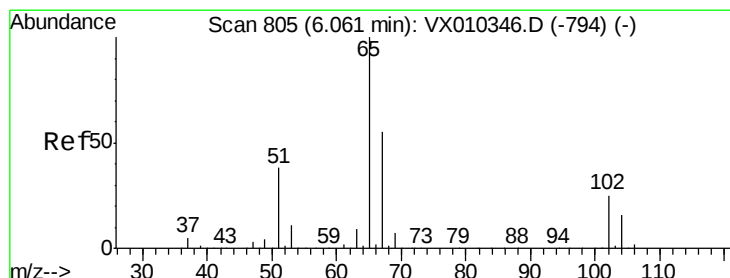
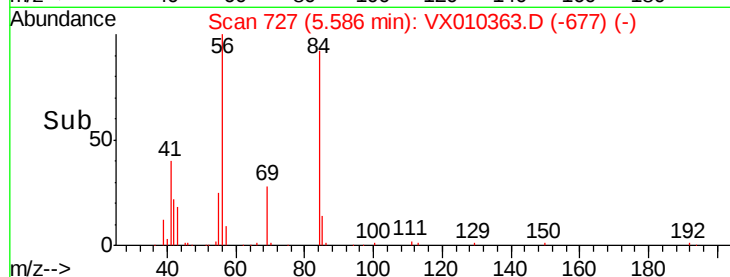
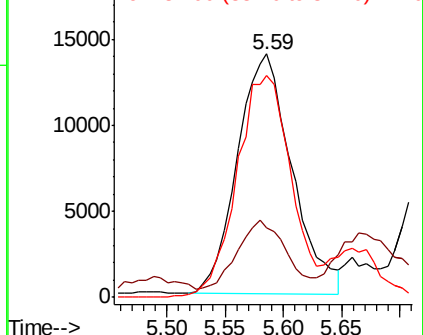
84 91.7 78.0 117.0



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 48.485 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010363.D

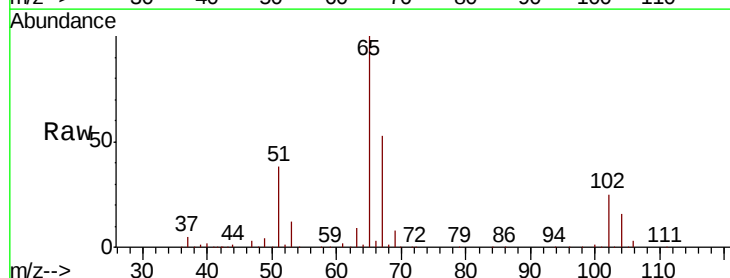
Acq: 20 Jun 2019 17:35

Tgt Ion: 65 Resp: 143426

Ion Ratio Lower Upper

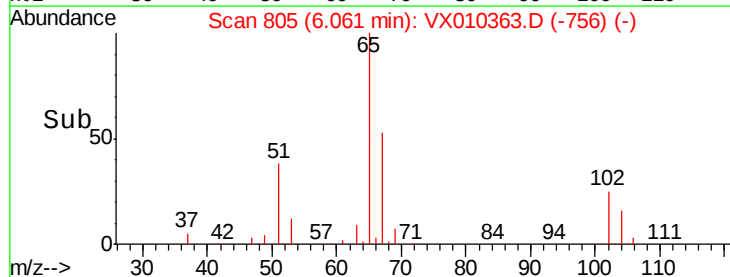
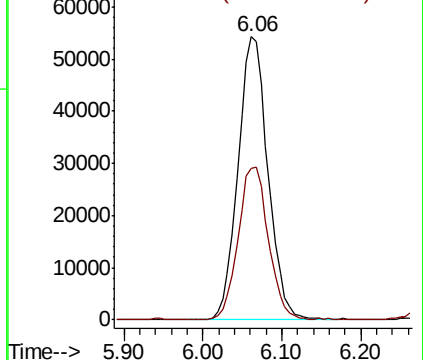
65 100

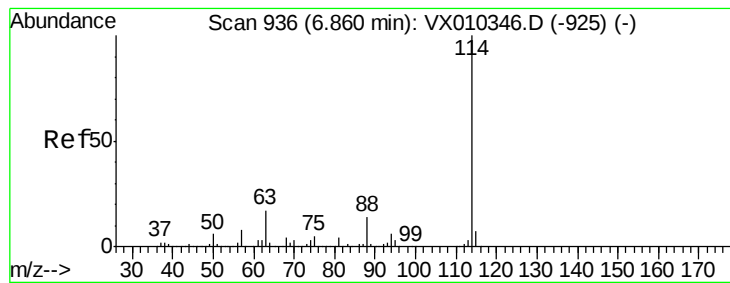
67 54.5 0.0 110.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX010363.D

Acq: 20 Jun 2019 17:35

Instrument :

MSVOA_X

ClientSampleId :

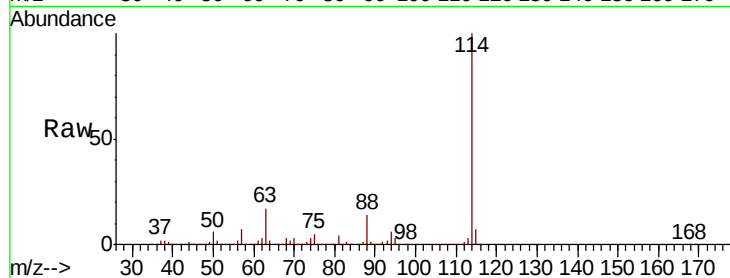
Tot Ion:114 Resp: 476658

Ion Ratio Lower Upper

114 100

63 16.5 0.0 33.8

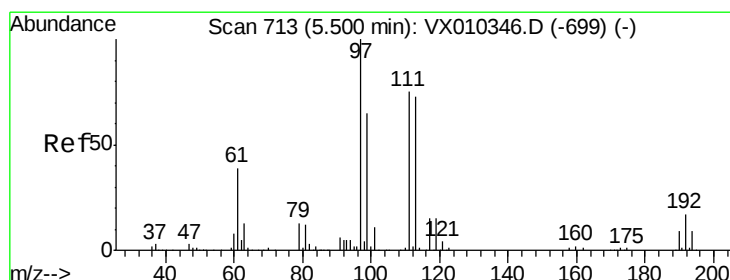
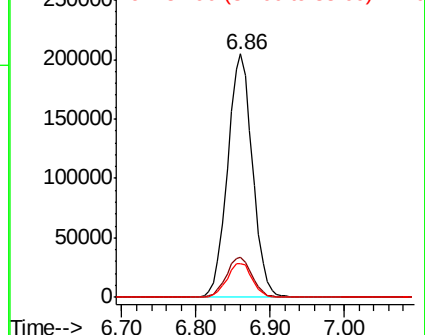
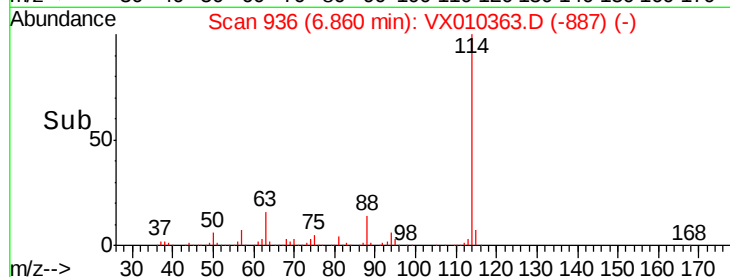
88 14.0 0.0 27.6



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: 49.470 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX010363.D

Acq: 20 Jun 2019 17:35

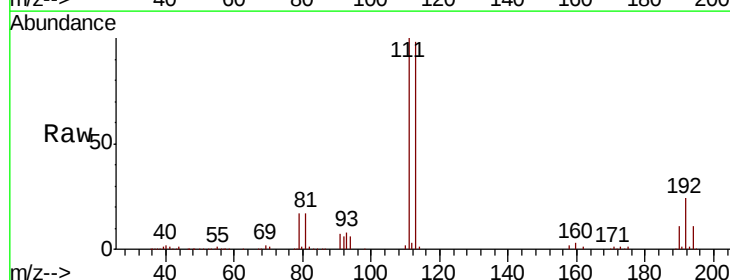
Tgt Ion:113 Resp: 144272

Ion Ratio Lower Upper

113 100

111 102.1 81.2 121.8

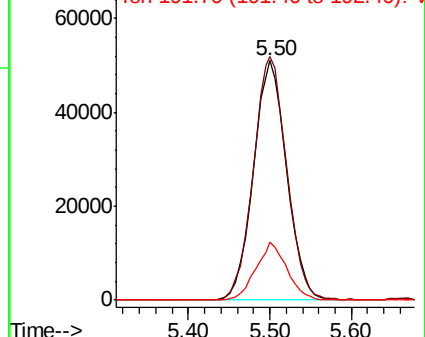
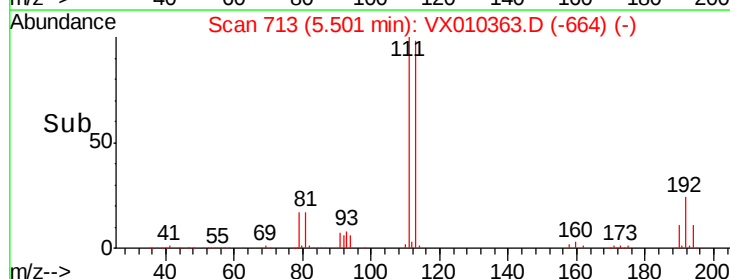
192 22.7 18.6 27.8

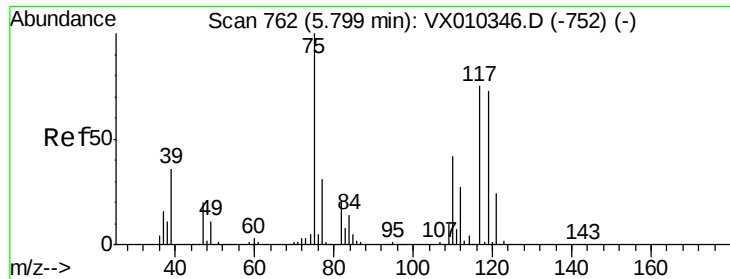


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

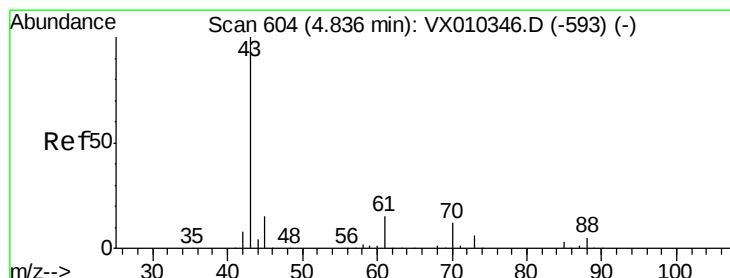
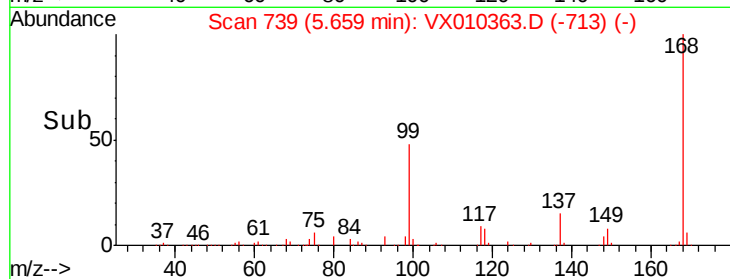
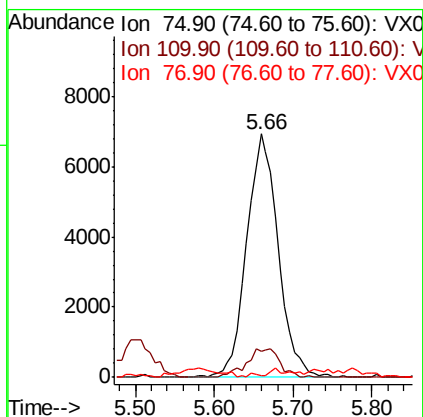
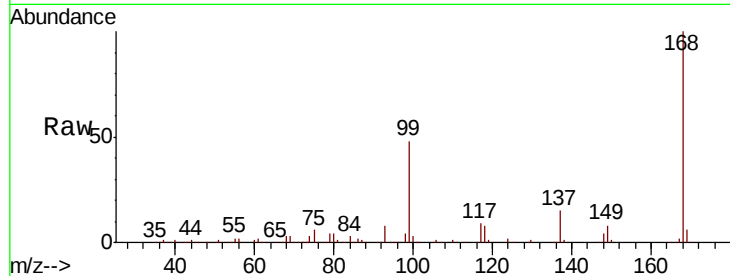




#36
 1,1-Dichloropropene
 Concen: 5.087 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX010363.D
 Acq: 20 Jun 2019 17:35

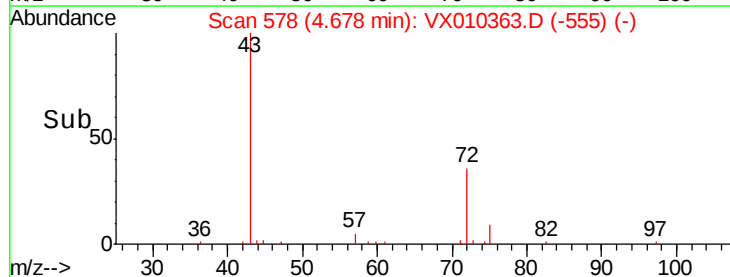
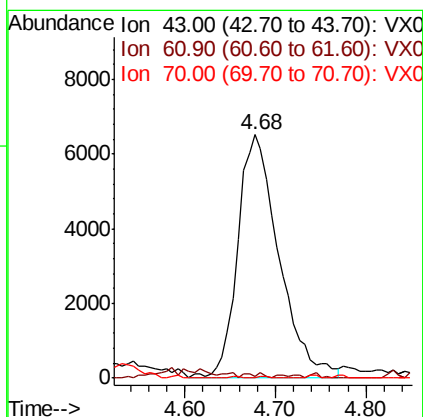
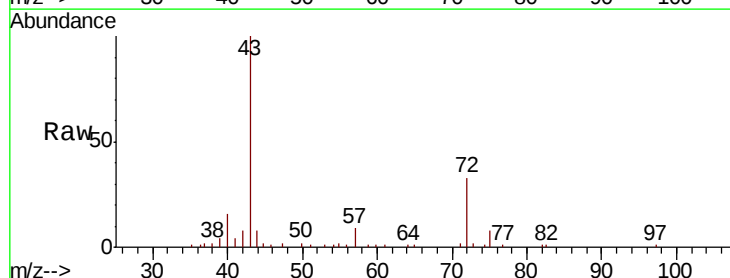
Instrument :
 MSVOA_X
 ClientSampleId :

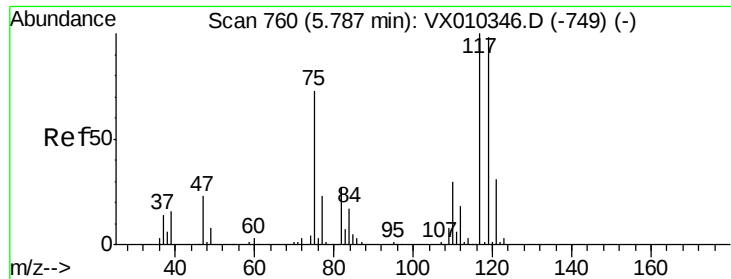
Tot Ion: 75 Resp: 19267
 Ion Ratio Lower Upper
 75 100
 110 12.0 20.8 62.2#
 77 1.4 25.4 38.0#



#37
 Ethyl Acetate
 Concen: 5.272 ug/l
 RT: 4.68 min Scan# 578
 Delta R.T. -0.16 min
 Lab File: VX010363.D
 Acq: 20 Jun 2019 17:35

Tgt Ion: 43 Resp: 20542
 Ion Ratio Lower Upper
 43 100
 61 0.0 12.4 18.6#
 70 0.2 9.8 14.8#

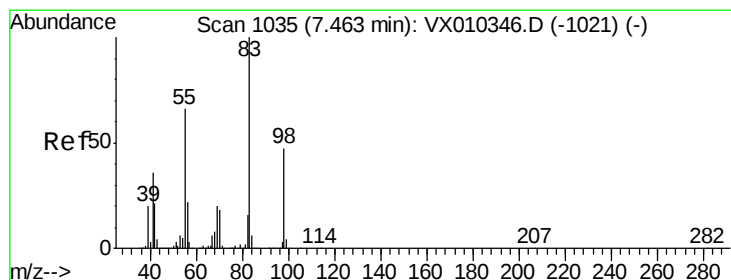
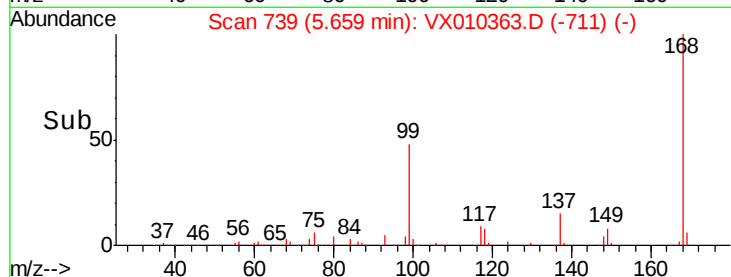
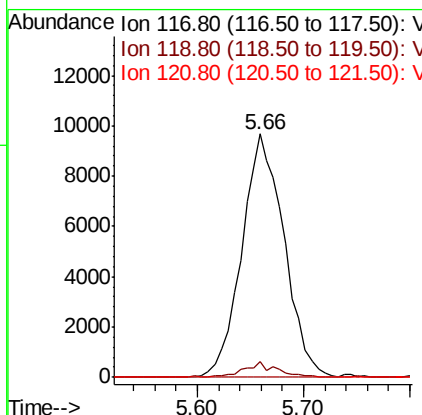
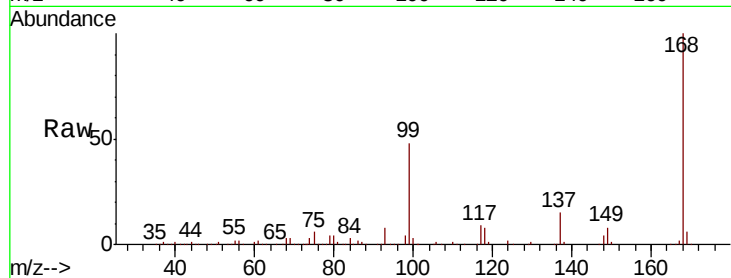




#38
Carbon Tetrachloride
Concen: 6.533 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.13 min
Lab File: VX010363.D
Acq: 20 Jun 2019 17:35

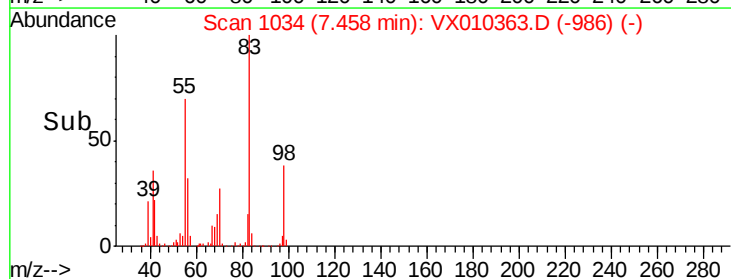
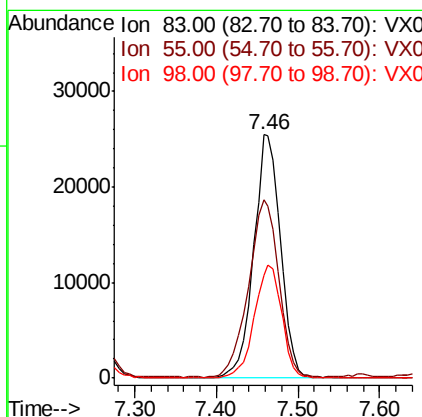
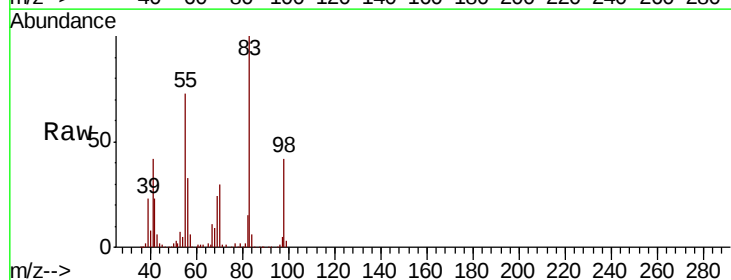
Instrument :
MSVOA_X
ClientSampleId :

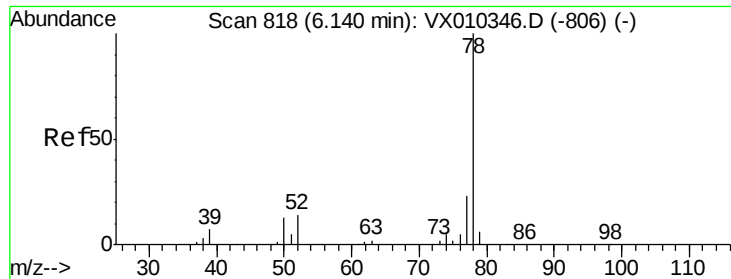
Tot Ion:117 Resp: 26795
Ion Ratio Lower Upper
117 100
119 6.4 78.2 117.4#
121 0.0 24.7 37.1#



#39
Methylcyclohexane
Concen: 11.806 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX010363.D
Acq: 20 Jun 2019 17:35

Tgt Ion: 83 Resp: 58781
Ion Ratio Lower Upper
83 100
55 72.6 53.0 79.6
98 42.2 37.8 56.8





#40

Benzene

Concen: 4.034 ug/l

RT: 6.14 min Scan# 818

Delta R.T. 0.00 min

Lab File: VX010363.D

Acq: 20 Jun 2019 17:35

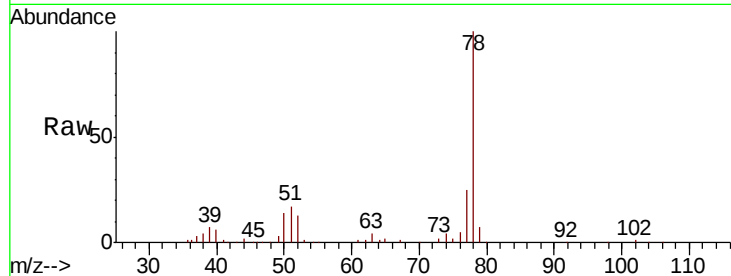
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 78 Resp: 47607

Ion Ratio Lower Upper

78 100

77 24.7 18.6 28.0



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

6.14

20000

15000

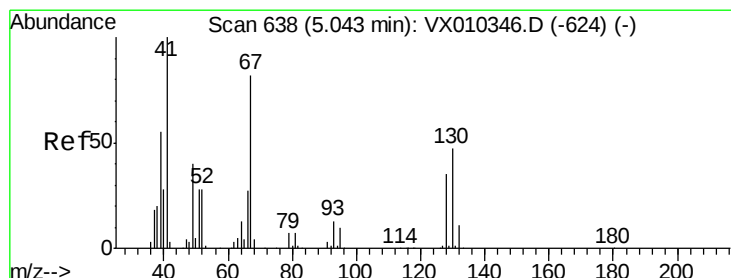
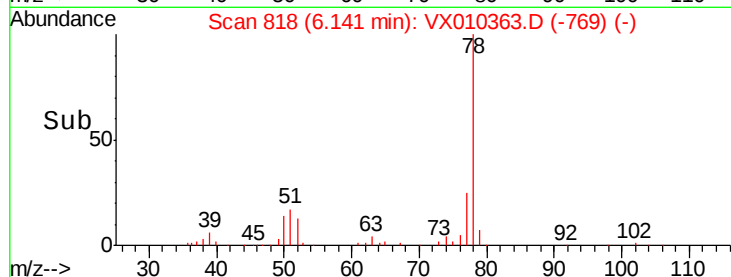
10000

5000

0

Time-->

6.00 6.10 6.20 6.30



#41

Methacrylonitrile

Concen: 0.281 ug/l

RT: 5.07 min Scan# 643

Delta R.T. 0.03 min

Lab File: VX010363.D

Acq: 20 Jun 2019 17:35

Tgt Ion: 41 Resp: 600

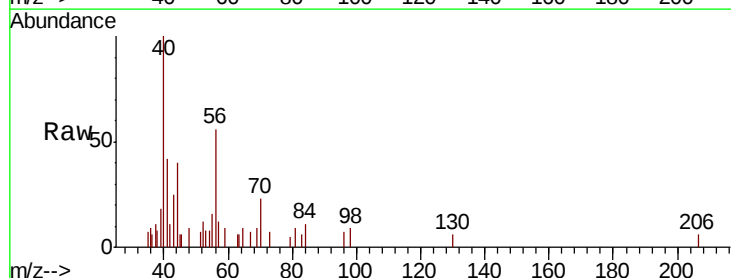
Ion Ratio Lower Upper

41 100

39 0.0 43.8 65.8#

67 0.0 66.6 100.0#

52 25.5 24.5 36.7



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

600

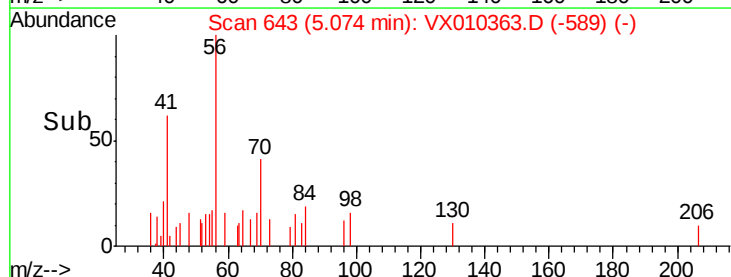
400

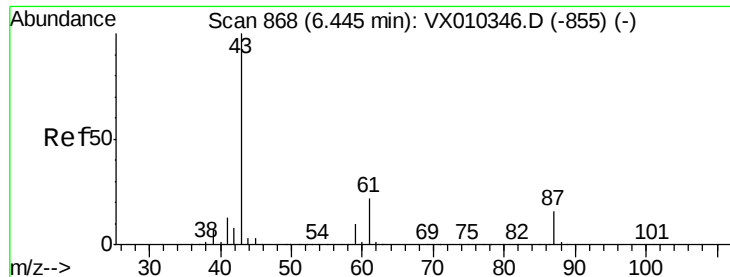
200

0

Time-->

5.05 5.10





#43

Isopropyl Acetate

Concen: 0.278 ug/l

RT: 6.45 min Scan# 869

Delta R.T. 0.01 min

Lab File: VX010363.D

Acq: 20 Jun 2019 17:35

Instrument :

MSVOA_X

ClientSampleId :

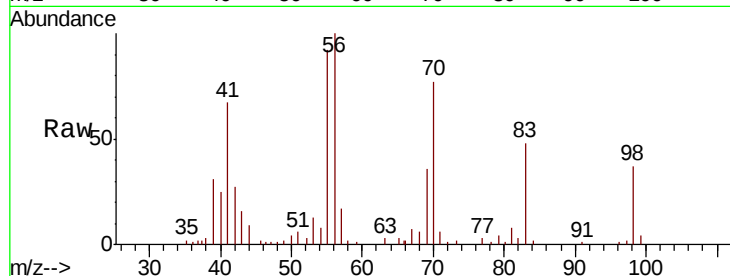
Tot Ion: 43 Resp: 1791

Ion Ratio Lower Upper

43 100

61 0.0 17.8 26.6#

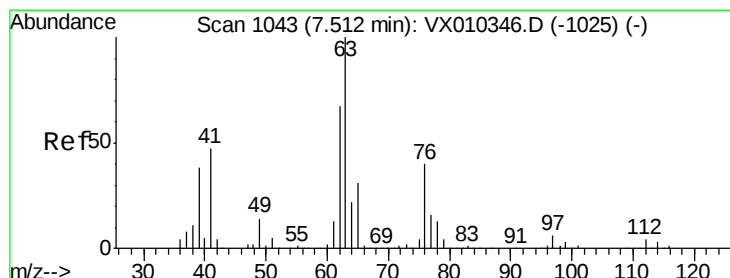
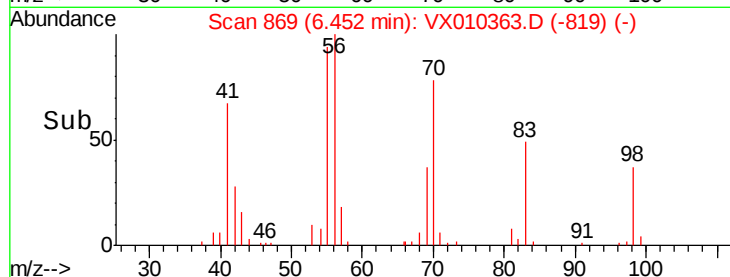
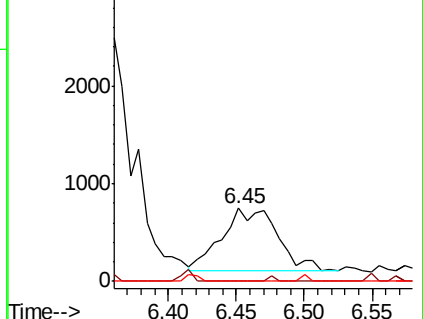
87 0.0 13.0 19.4#



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



#45

1,2-Dichloropropane

Concen: 0.339 ug/l

RT: 7.45 min Scan# 1033

Delta R.T. -0.06 min

Lab File: VX010363.D

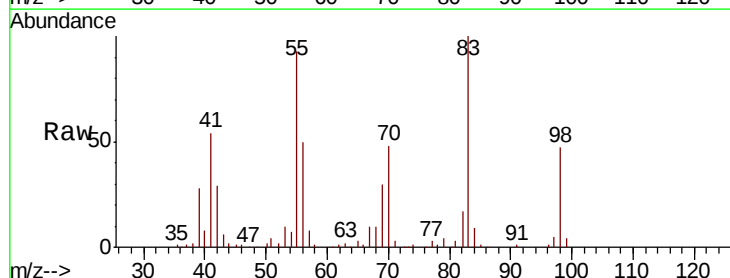
Acq: 20 Jun 2019 17:35

Tgt Ion: 63 Resp: 1010

Ion Ratio Lower Upper

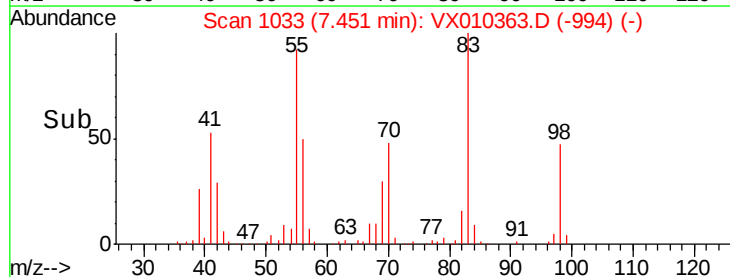
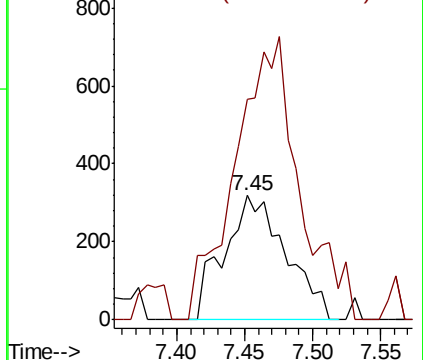
63 100

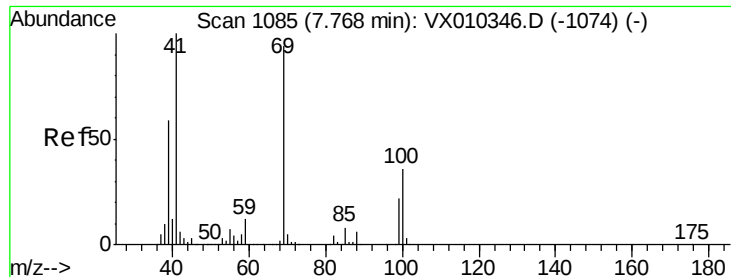
65 177.1 24.8 37.2#



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

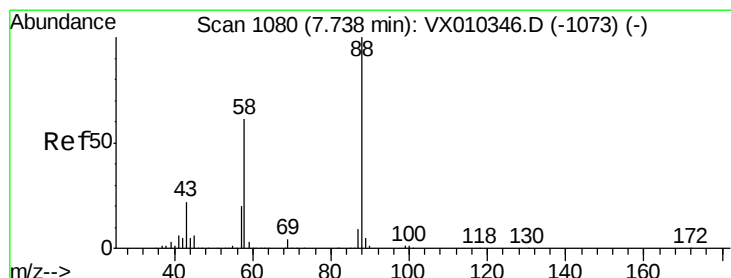
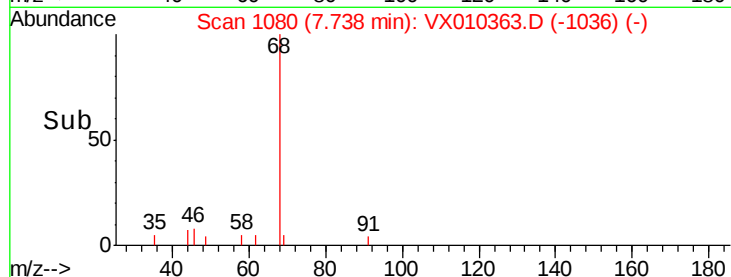
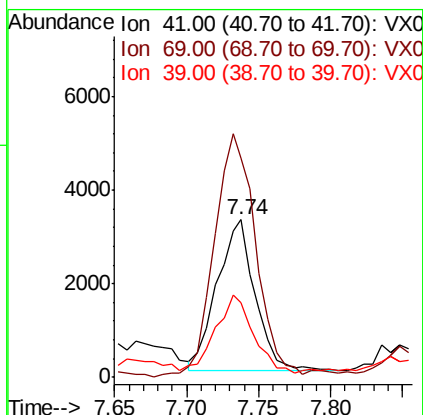
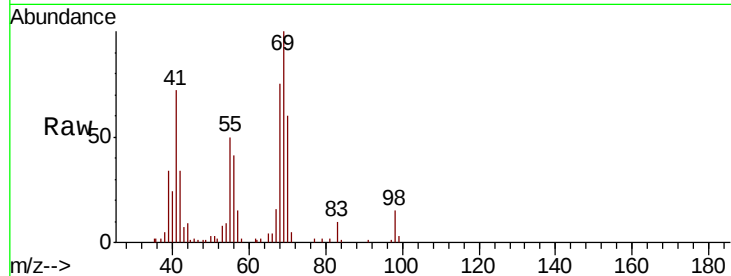




#48
Methyl methacrylate
Concen: 2.002 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. -0.03 min
Lab File: VX010363.D
Acq: 20 Jun 2019 17:35

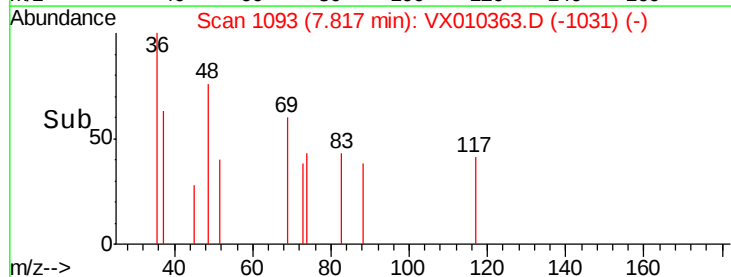
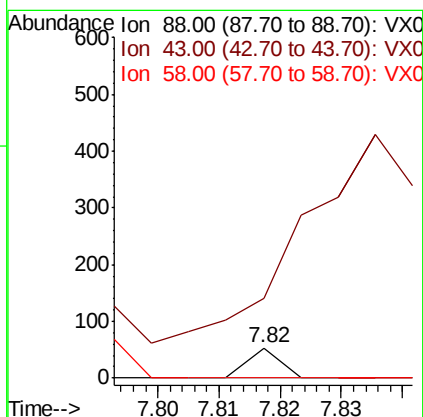
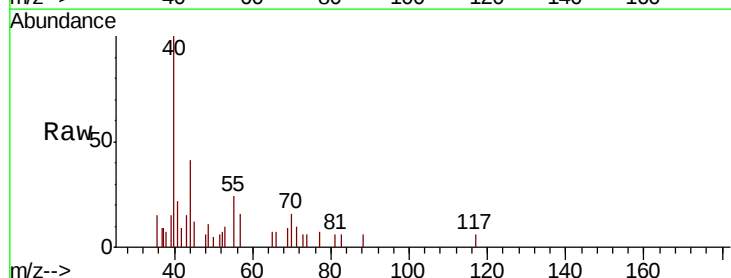
Instrument :
MSVOA_X
ClientSampleId :

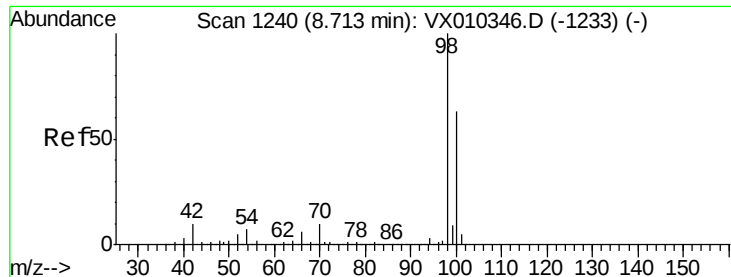
Tot Ion: 41 Resp: 5999
Ion Ratio Lower Upper
41 100
69 175.1 76.1 114.1#
39 50.8 47.6 71.4



#49
1,4-Dioxane
Concen: 0.220 ug/l
RT: 7.82 min Scan# 1093
Delta R.T. 0.08 min
Lab File: VX010363.D
Acq: 20 Jun 2019 17:35

Tgt Ion: 88 Resp: 19
Ion Ratio Lower Upper
88 100
43 5242.1 20.2 30.2#
58 0.0 49.5 74.3#

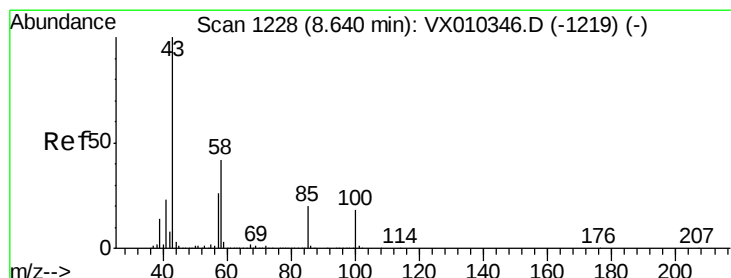
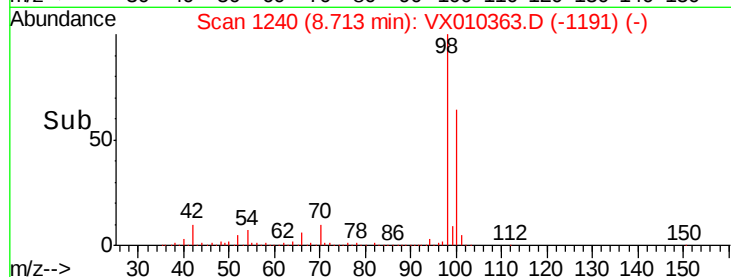
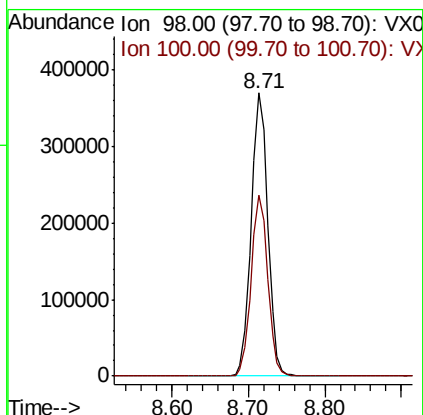
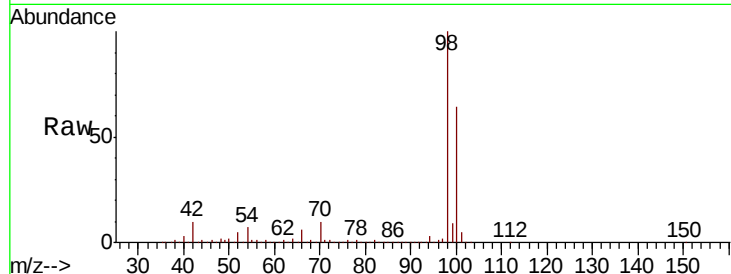




#50
Toluene-d8
Concen: 50.291 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010363.D
Acq: 20 Jun 2019 17:35

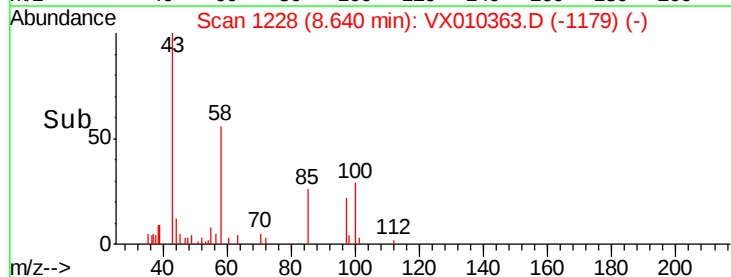
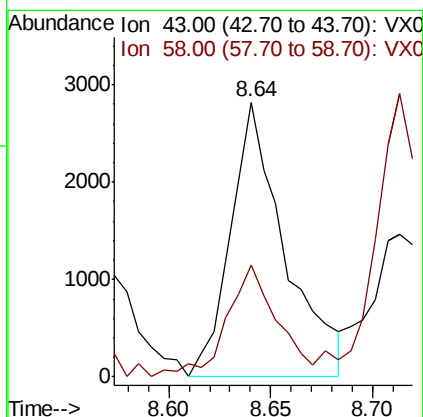
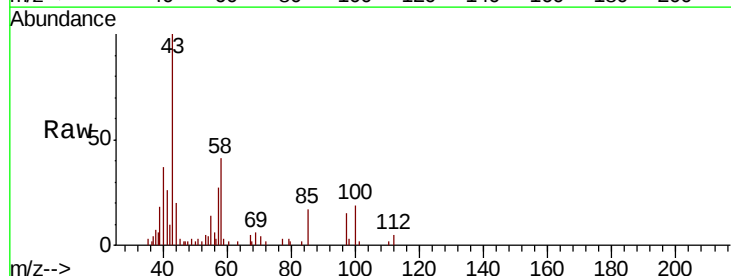
Instrument :
MSVOA_X
ClientSampleId :

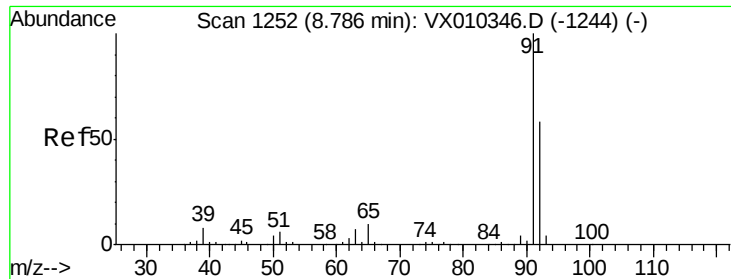
Tot Ion: 98 Resp: 561123
Ion Ratio Lower Upper
98 100
100 63.9 51.6 77.4



#51
4-Methyl-2-Pentanone
Concen: 1.260 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. 0.00 min
Lab File: VX010363.D
Acq: 20 Jun 2019 17:35

Tgt Ion: 43 Resp: 5196
Ion Ratio Lower Upper
43 100
58 37.9 33.5 50.3





#52

Toluene

Concen: 0.604 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX010363.D

Acq: 20 Jun 2019 17:35

Instrument :

MSVOA_X

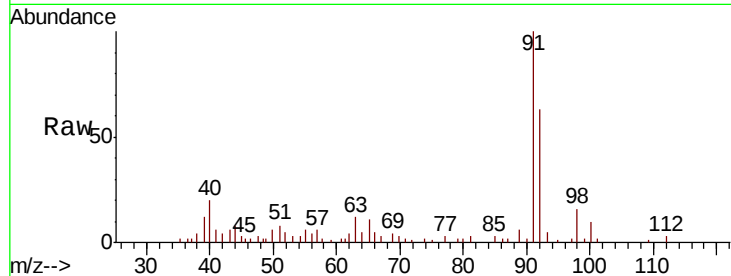
ClientSampled :

Tot Ion: 92 Resp: 4695

Ion Ratio Lower Upper

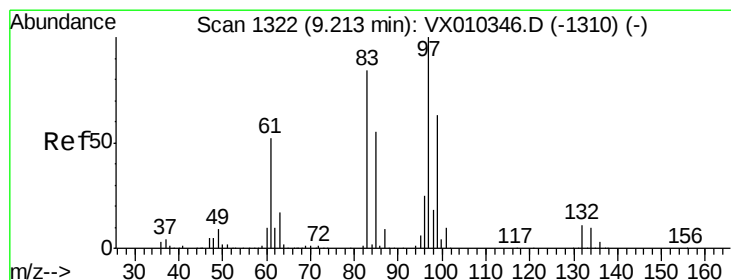
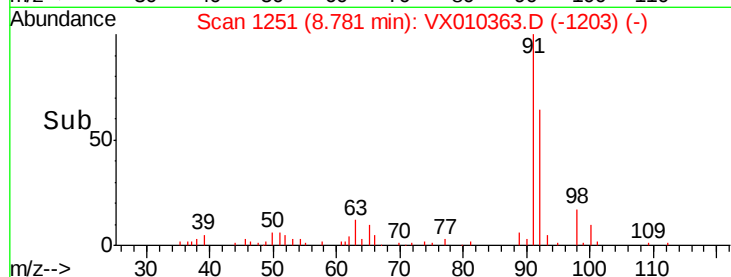
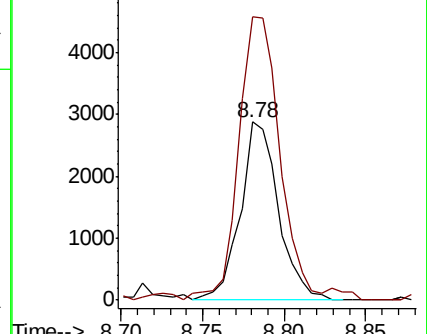
92 100

91 170.6 139.8 209.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#55

1,1,2-Trichloroethane

Concen: 2.474 ug/l

RT: 9.16 min Scan# 1314

Delta R.T. -0.05 min

Lab File: VX010363.D

Acq: 20 Jun 2019 17:35

Tgt Ion: 97 Resp: 7929

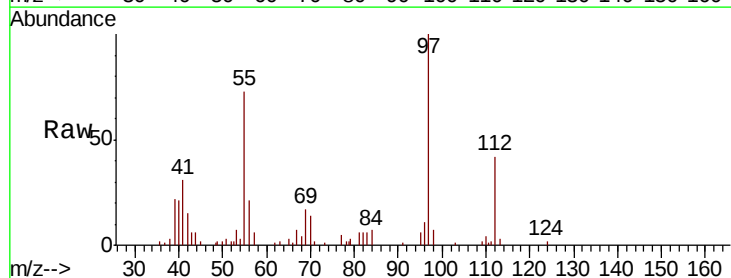
Ion Ratio Lower Upper

97 100

83 3.4 67.4 101.0#

85 0.0 43.8 65.8#

99 0.0 50.3 75.5#

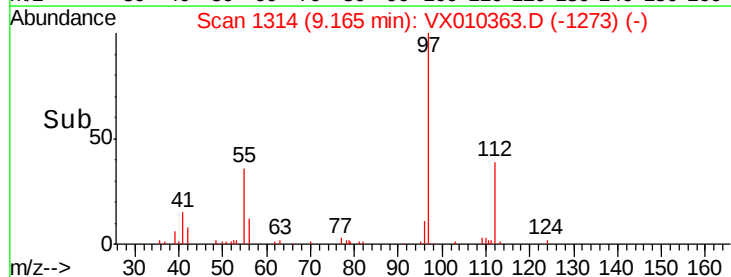
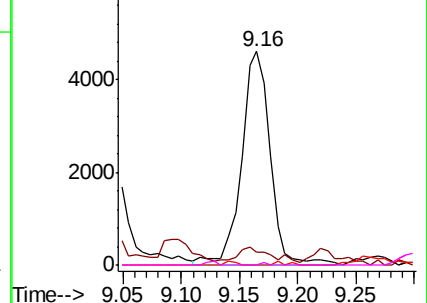


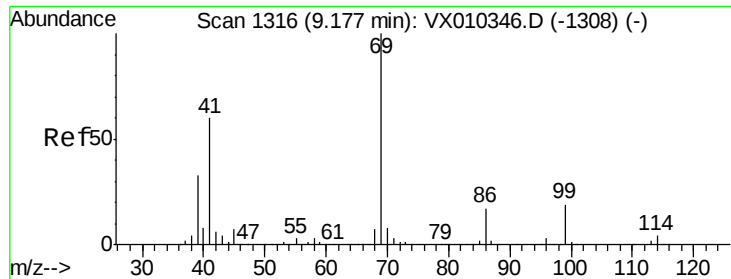
Abundance Ion 96.90 (96.60 to 97.60): VX0

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

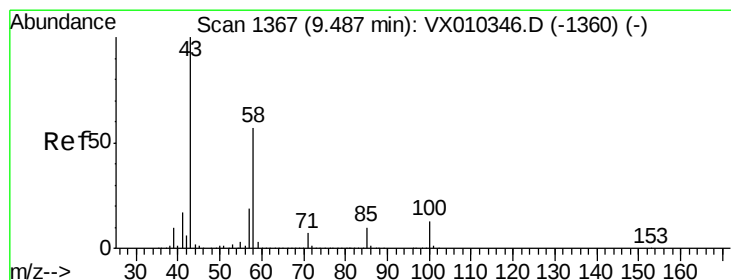
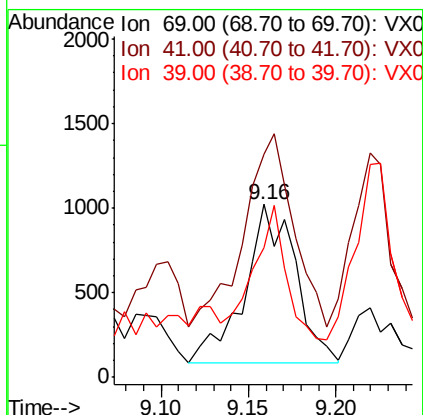
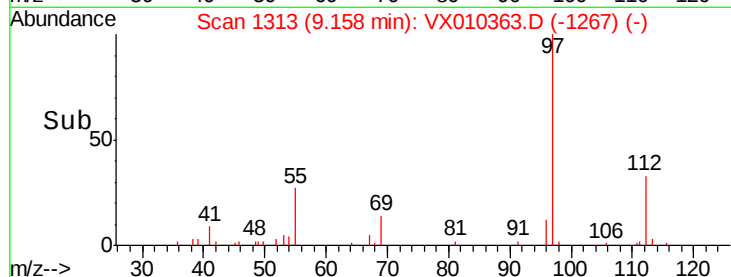
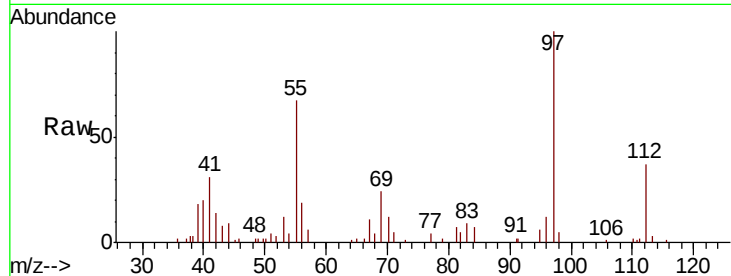




#56
Ethyl methacrylate
Concen: 0.388 ug/l
RT: 9.16 min Scan# 1313
Delta R.T. -0.02 min
Lab File: VX010363.D
Acq: 20 Jun 2019 17:35

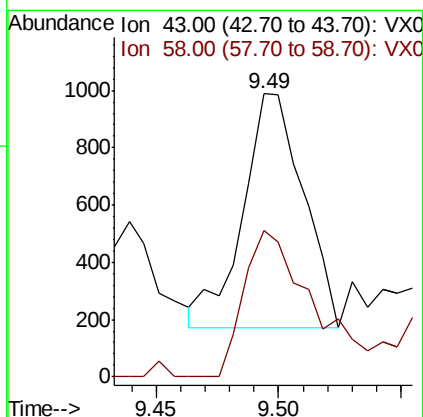
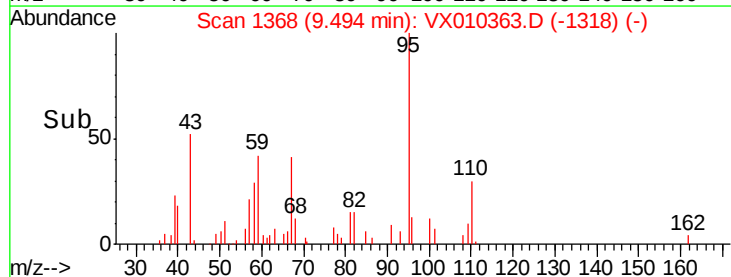
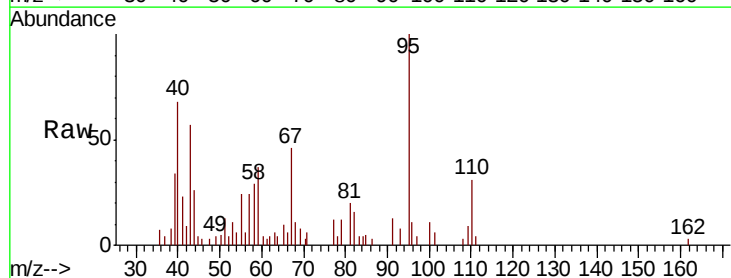
Instrument :
MSVOA_X
ClientSampleId :

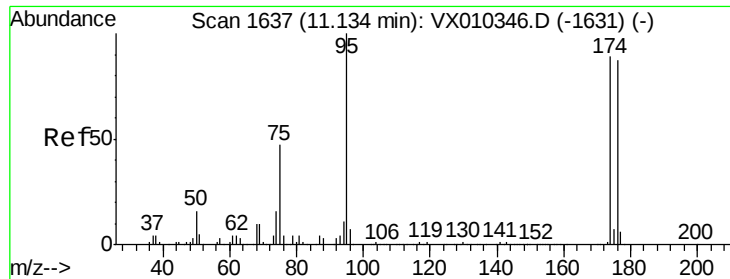
Tot Ion: 69 Resp: 1882
Ion Ratio Lower Upper
69 100
41 120.5 47.1 70.7#
39 60.6 26.6 40.0#



#59
2-Hexanone
Concen: 0.432 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.01 min
Lab File: VX010363.D
Acq: 20 Jun 2019 17:35

Tgt Ion: 43 Resp: 1401
Ion Ratio Lower Upper
43 100
58 71.7 29.0 87.1

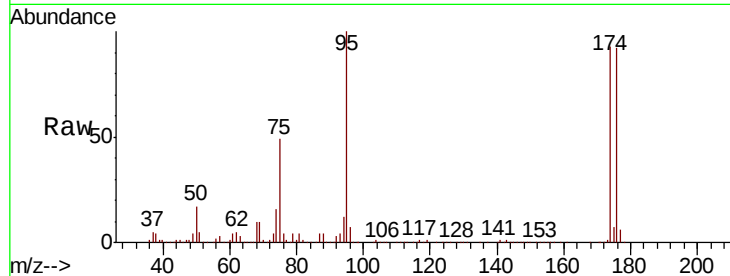




#62
4-Bromofluorobenzene
Concen: 47.054 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX010363.D
Acq: 20 Jun 2019 17:35

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	95	Resp	189540
Ion Ratio	100		
Lower			
Upper			
174	95.2	0.0	187.6
176	92.8	0.0	184.0

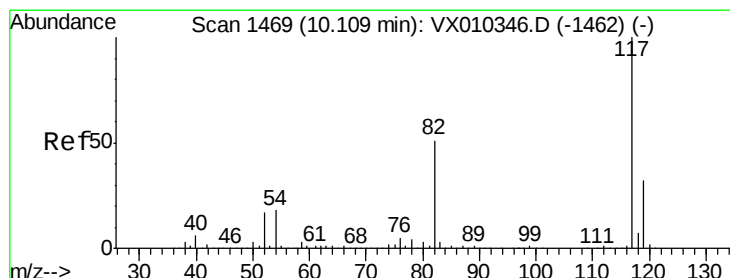
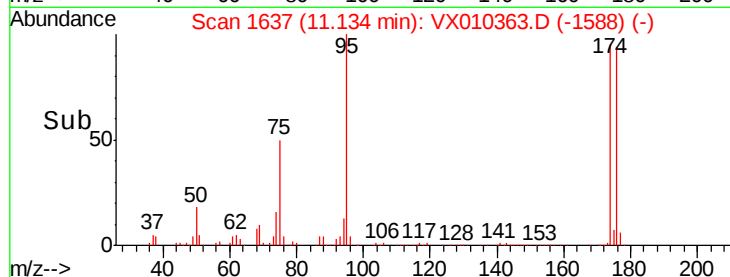
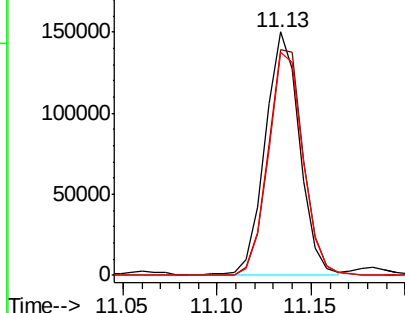


Abundance

Ion 94.90 (94.60 to 95.60): VX010363.D (-1588) (-)

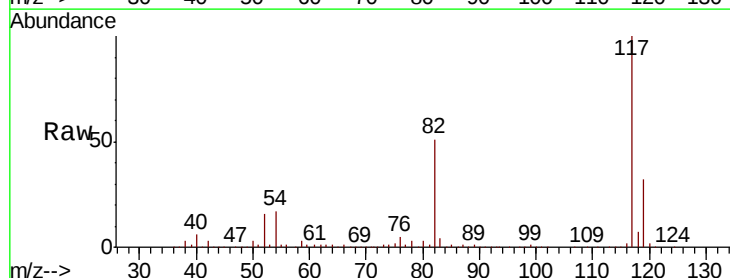
Ion 173.80 (173.50 to 174.50): VX010363.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX010363.D (-1588) (-)



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010363.D
Acq: 20 Jun 2019 17:35

Tgt Ion	117	Resp	428617
Ion Ratio <td>100</td> <td></td> <td></td>	100		
Lower <td></td> <td></td> <td></td>			
Upper <td></td> <td></td> <td></td>			
82	50.6	41.2	61.8
119	31.7	25.5	38.3

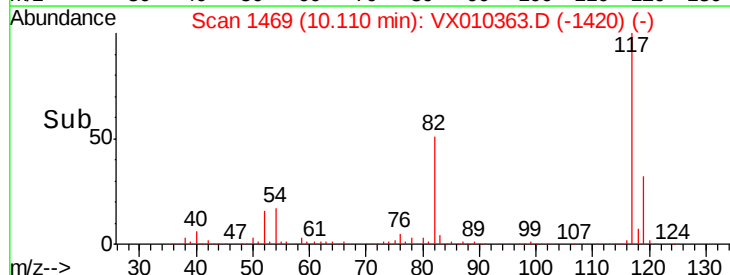
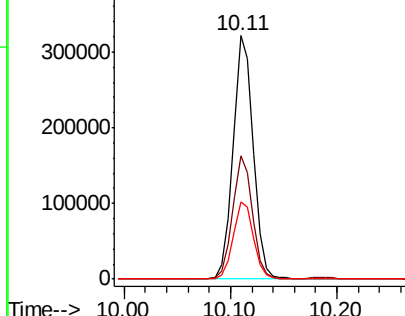


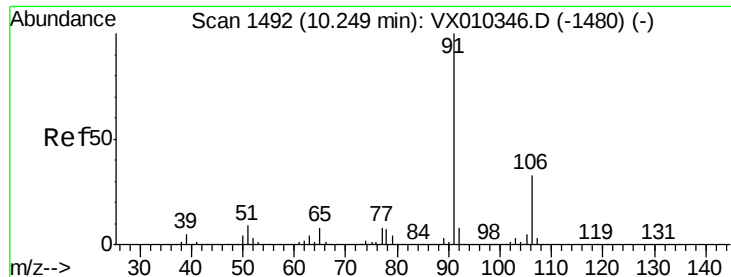
Abundance

Ion 116.90 (116.60 to 117.60): VX010363.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX010363.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX010363.D (-1420) (-)

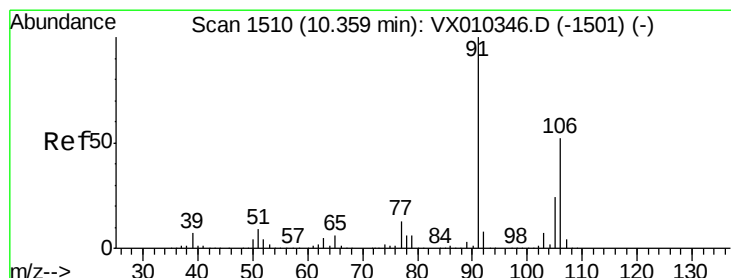
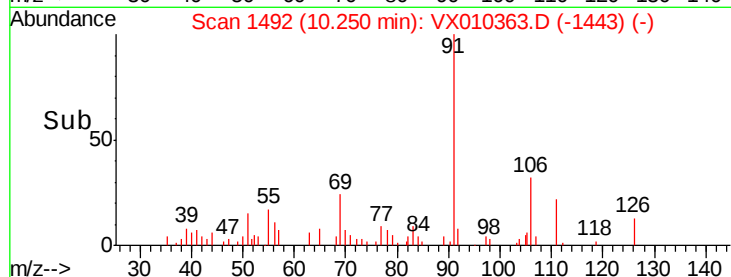
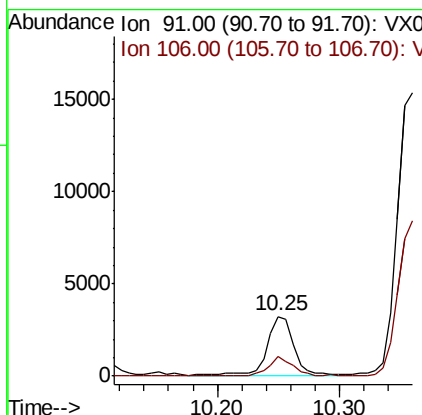
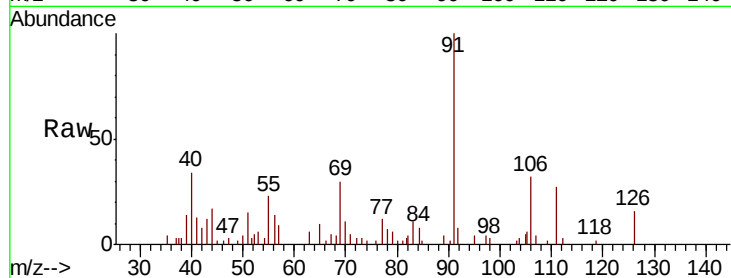




#67
Ethyl Benzene
Concen: 0.353 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX010363.D
Acq: 20 Jun 2019 17:35

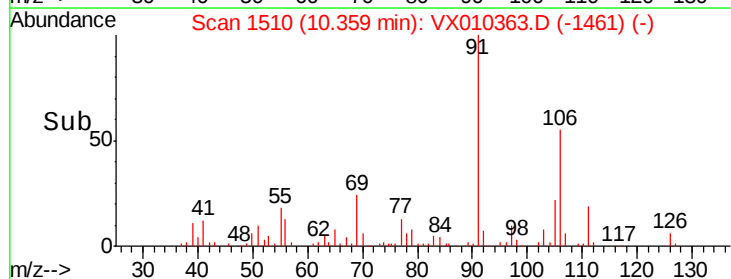
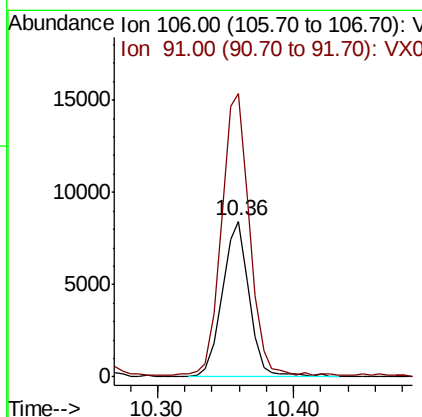
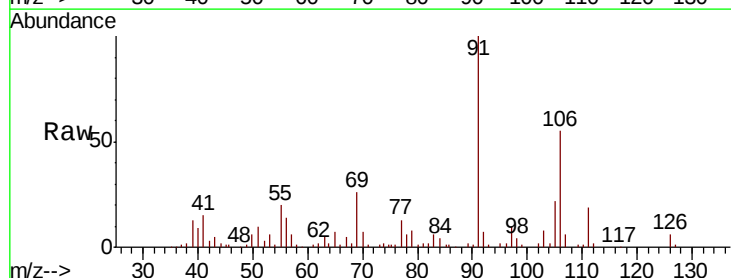
Instrument :
MSVOA_X
ClientSampleId :

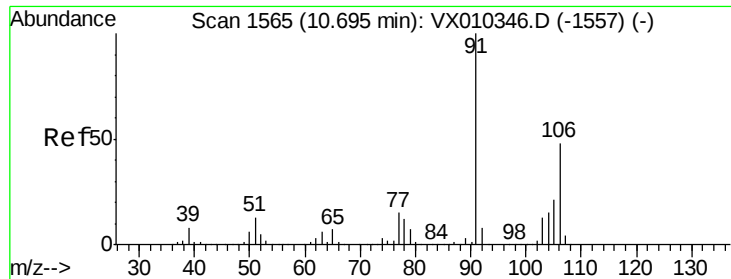
Tot Ion: 91 Resp: 5183
Ion Ratio Lower Upper
91 100
106 32.4 26.2 39.2



#68
m/p-Xylenes
Concen: 2.027 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX010363.D
Acq: 20 Jun 2019 17:35

Tgt Ion: 106 Resp: 11540
Ion Ratio Lower Upper
106 100
91 189.3 155.3 232.9

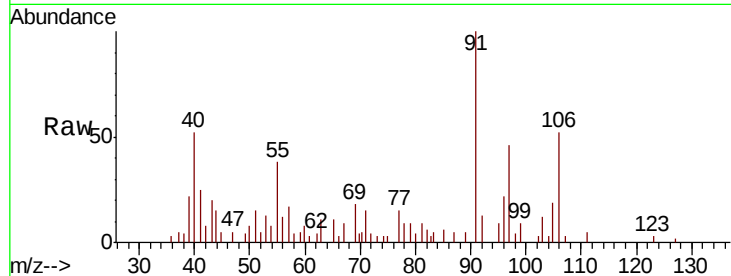




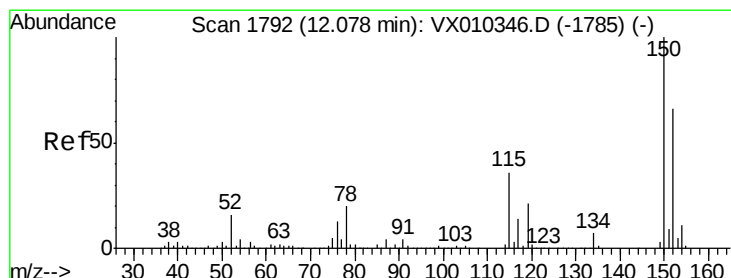
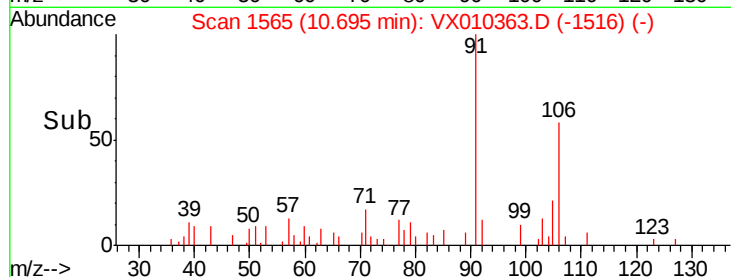
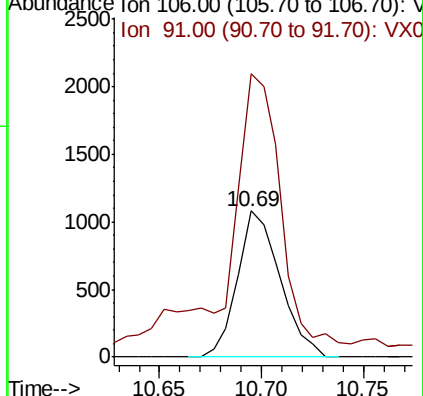
#69
o-Xylene
Concen: 0.281 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX010363.D
Acq: 20 Jun 2019 17:35

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:106 Resp: 1573
Ion Ratio Lower Upper
106 100
91 226.2 102.7 308.1

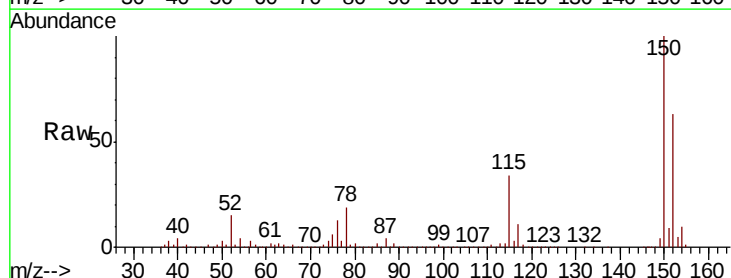


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

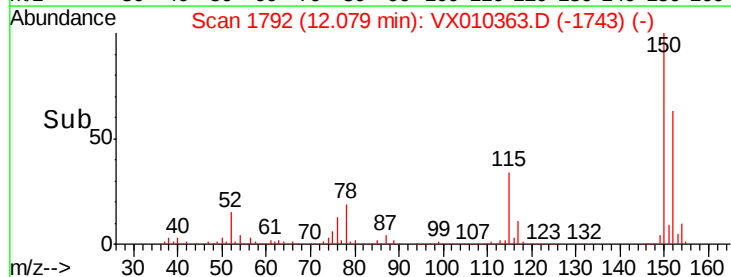
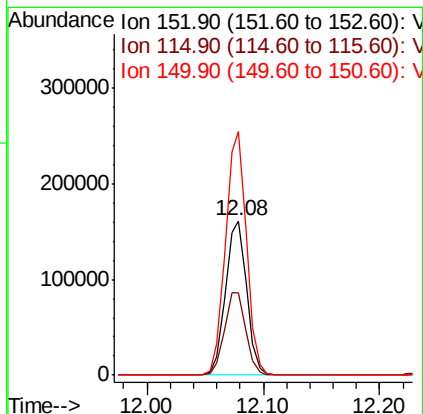


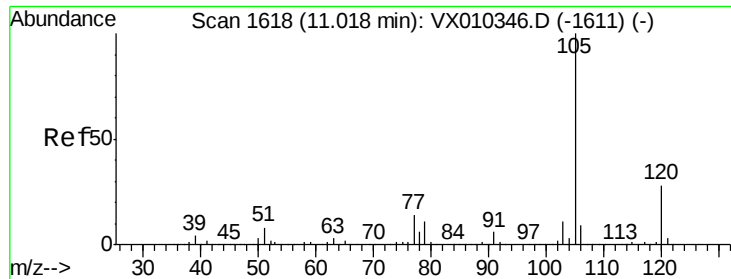
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX010363.D
Acq: 20 Jun 2019 17:35

Tgt Ion:152 Resp: 201740
Ion Ratio Lower Upper
152 100
115 54.4 38.6 115.7
150 156.5 0.0 347.4



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

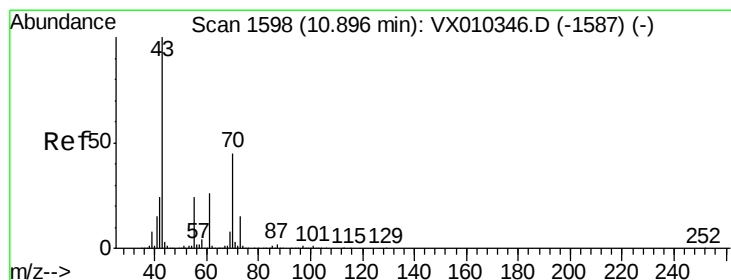
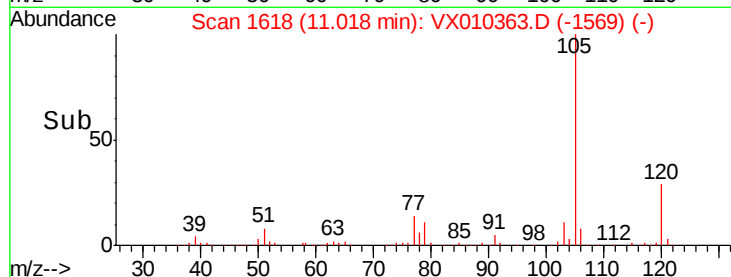
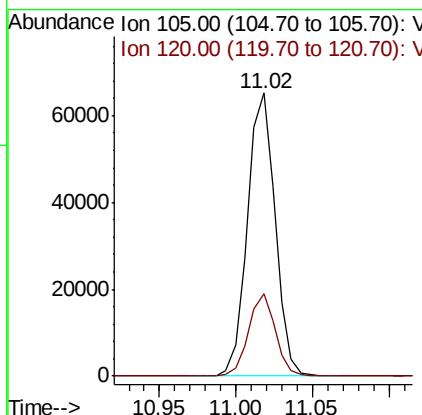
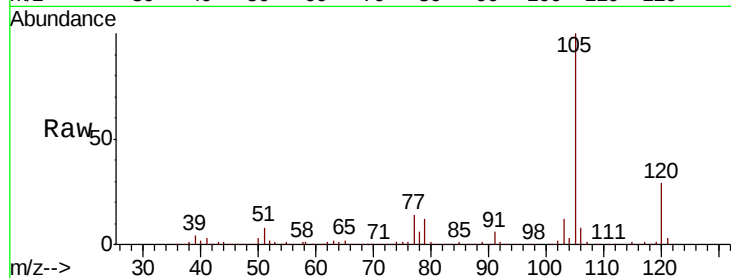




#73
Isopropylbenzene
Concen: 6.001 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VX010363.D
Acq: 20 Jun 2019 17:35

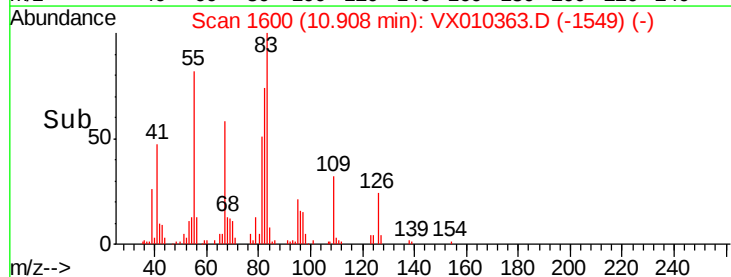
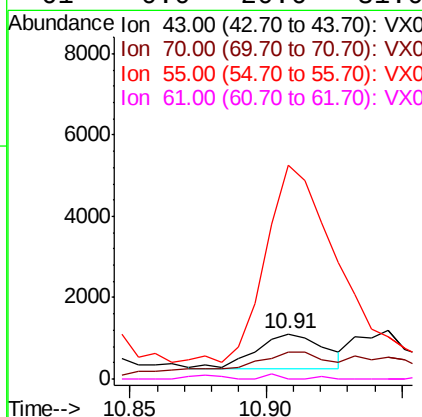
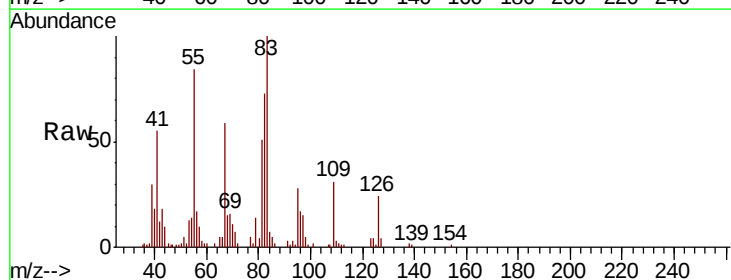
Instrument :
MSVOA_X
ClientSampleId :

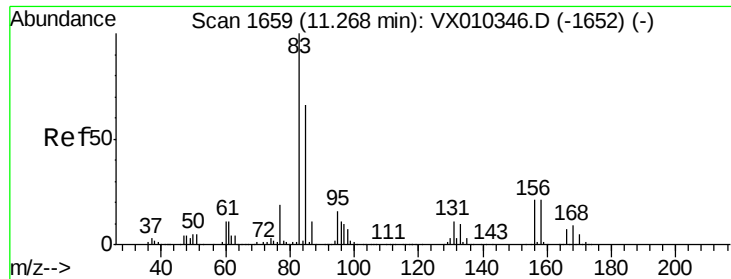
Tot Ion:105 Resp: 82064
Ion Ratio Lower Upper
105 100
120 28.0 14.1 42.4



#74
N-ethyl acetate
Concen: 0.279 ug/l
RT: 10.91 min Scan# 1600
Delta R.T. 0.01 min
Lab File: VX010363.D
Acq: 20 Jun 2019 17:35

Tgt Ion: 43 Resp: 1444
Ion Ratio Lower Upper
43 100
70 86.1 36.6 54.8#
55 590.4 18.7 28.1#
61 0.0 20.6 31.0#





#75

1,1,2,2-Tetrachloroethane

Concen: 0.518 ug/l

RT: 11.27 min Scan# 1660

Delta R.T. 0.01 min

Lab File: VX010363.D

Acq: 20 Jun 2019 17:35

Instrument :

MSVOA_X

ClientSampleId :

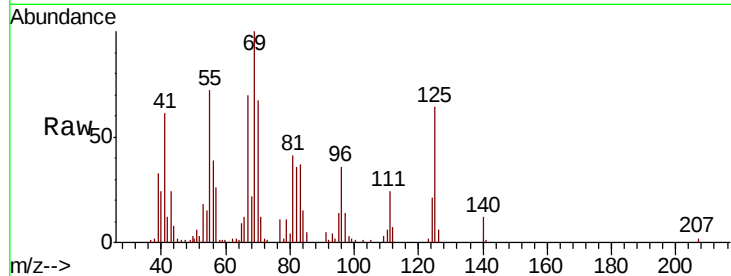
Tot Ion: 83 Resp: 2346

Ion Ratio Lower Upper

83 100

131 0.0 5.5 16.4#

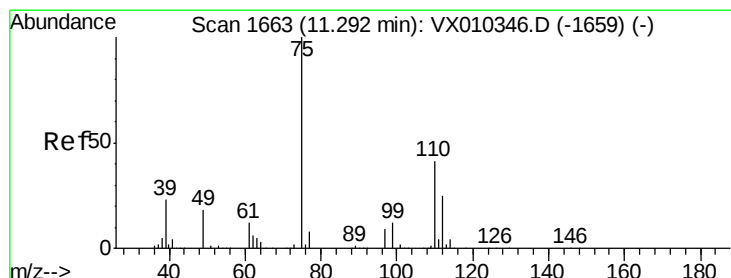
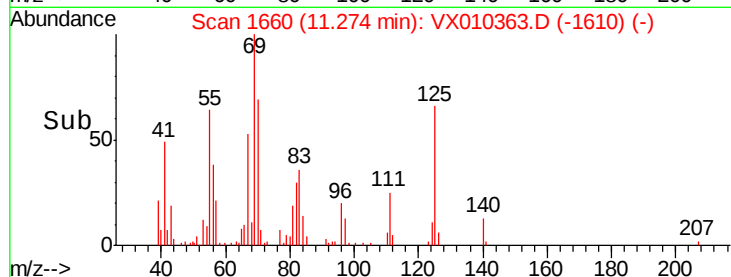
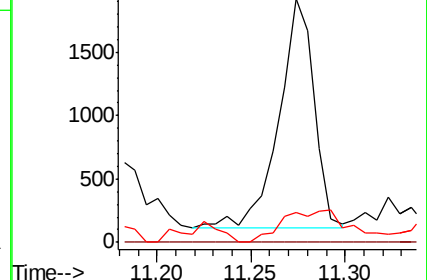
85 27.2 32.3 96.8#



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: 24.236 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010363.D

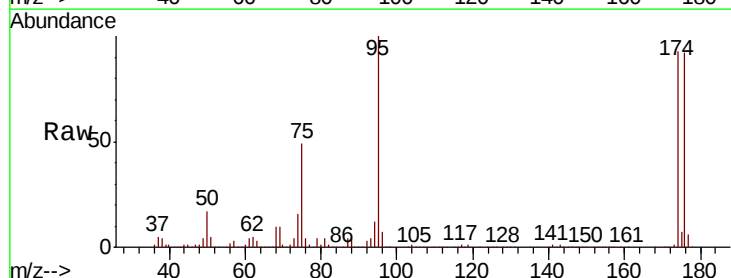
Acq: 20 Jun 2019 17:35

Tgt Ion: 75 Resp: 89097

Ion Ratio Lower Upper

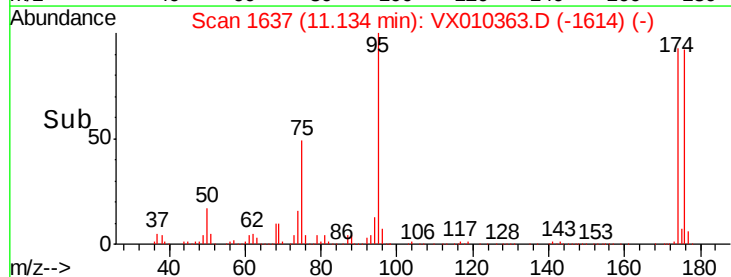
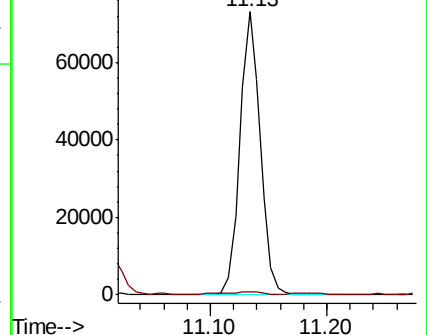
75 100

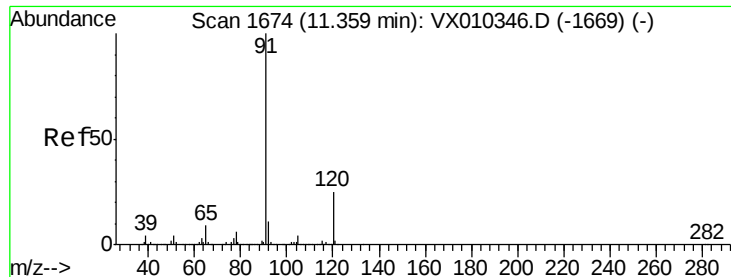
77 1.1 22.6 67.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#78

n-propylbenzene

Concen: 10.310 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX010363.D

Acq: 20 Jun 2019 17:35

Instrument :

MSVOA_X

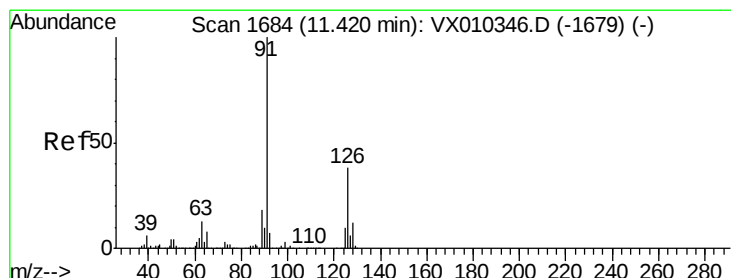
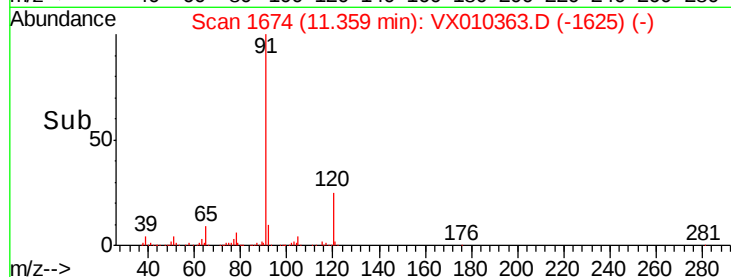
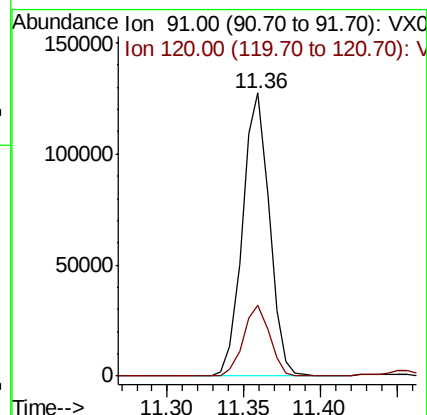
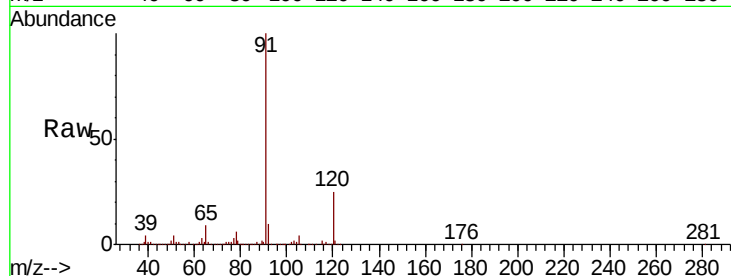
ClientSampleId :

Tot Ion: 91 Resp: 154955

Ion Ratio Lower Upper

91 100

120 24.6 12.4 37.4



#79

2-Chlorotoluene

Concen: 17.313 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.06 min

Lab File: VX010363.D

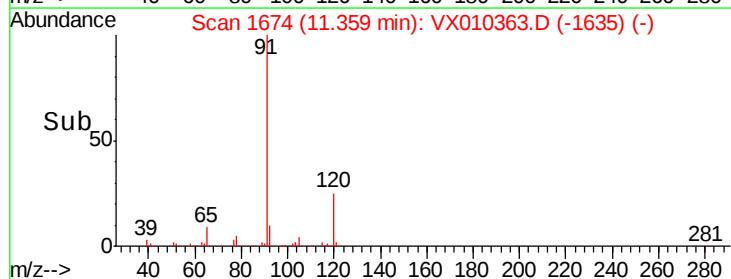
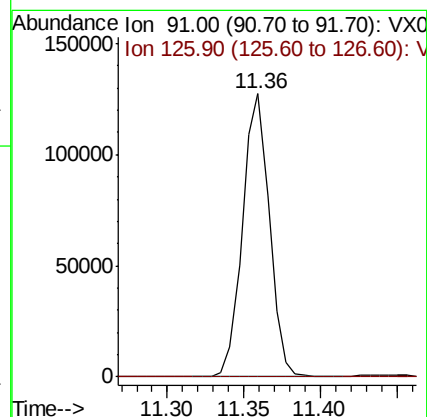
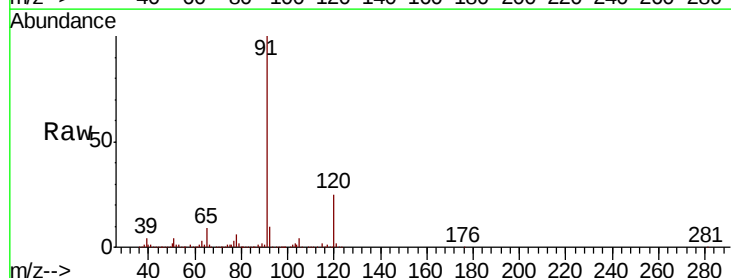
Acq: 20 Jun 2019 17:35

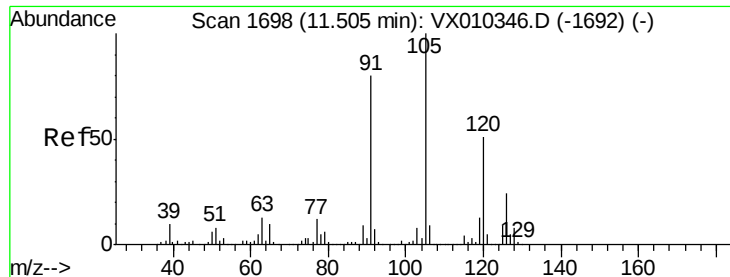
Tgt Ion: 91 Resp: 154955

Ion Ratio Lower Upper

91 100

126 0.0 18.7 56.1#

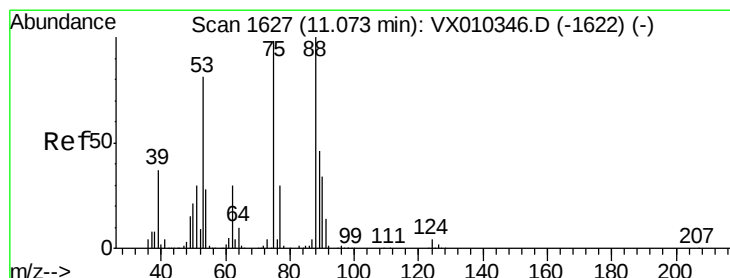
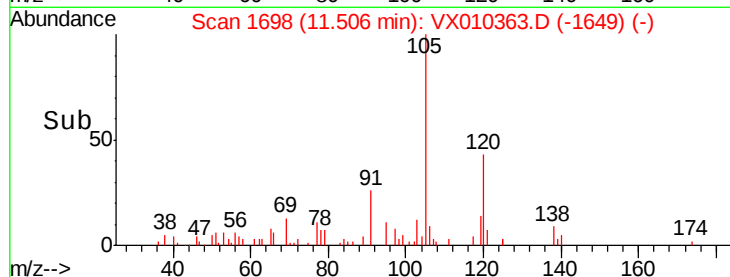
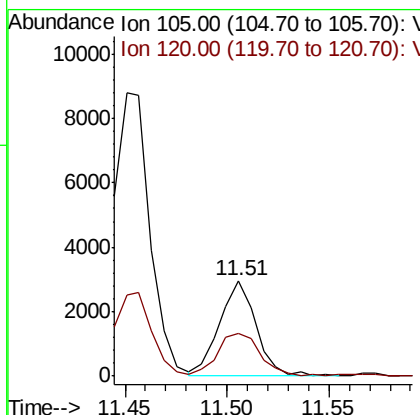
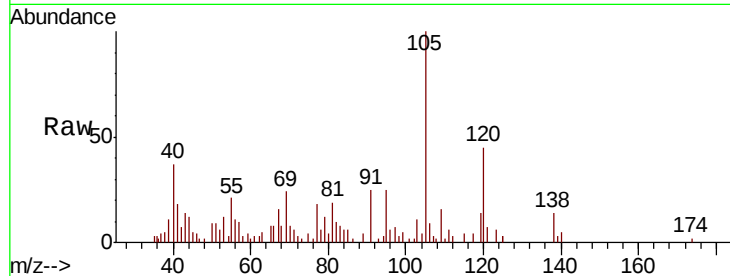




#80
 1,3,5-Trimethylbenzene
 Concen: 0.327 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX010363.D
 Acq: 20 Jun 2019 17:35

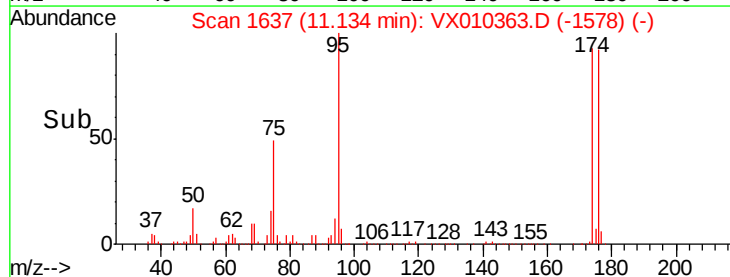
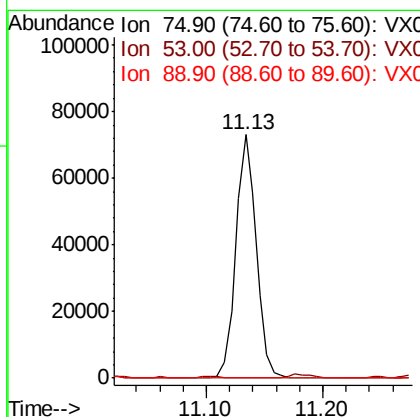
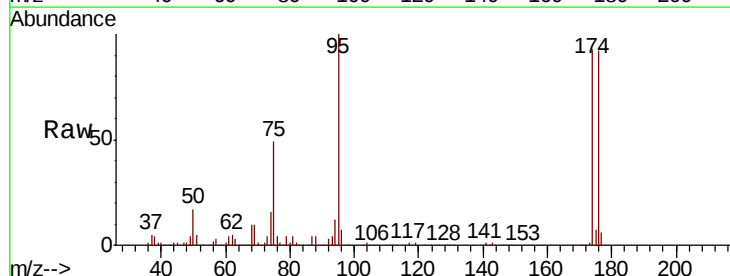
Instrument :
 MSVOA_X
 ClientSampleId :

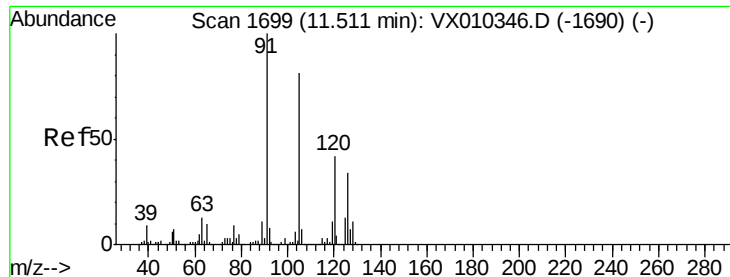
Tot Ion:105 Resp: 3684
 Ion Ratio Lower Upper
 105 100
 120 52.3 25.2 75.6



#81
 trans-1,4-Dichloro-2-butene
 Concen: 56.540 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX010363.D
 Acq: 20 Jun 2019 17:35

Tgt Ion: 75 Resp: 89097
 Ion Ratio Lower Upper
 75 100
 53 0.0 66.1 99.1#
 89 0.0 37.8 56.6#





#82

4-Chlorotoluene

Concen: 15.215 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.15 min

Lab File: VX010363.D

Acq: 20 Jun 2019 17:35

Instrument :

MSVOA_X

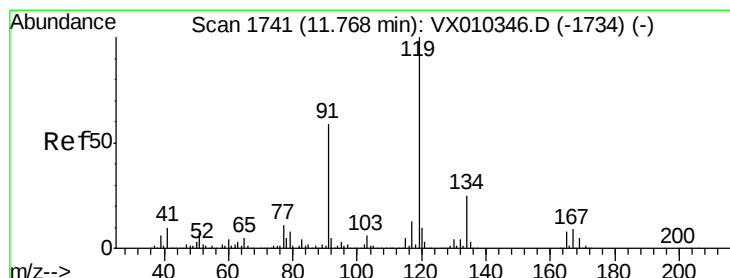
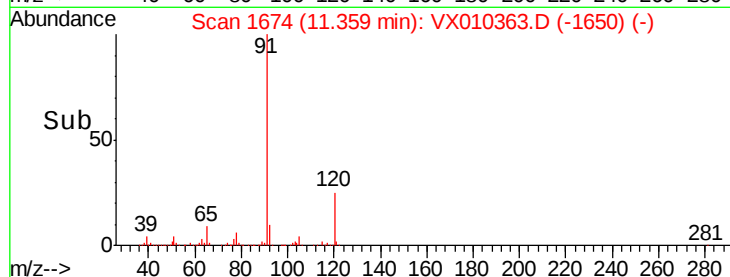
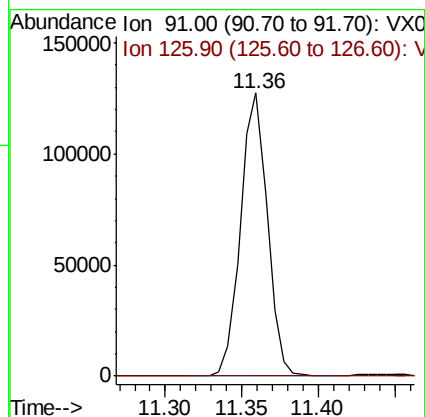
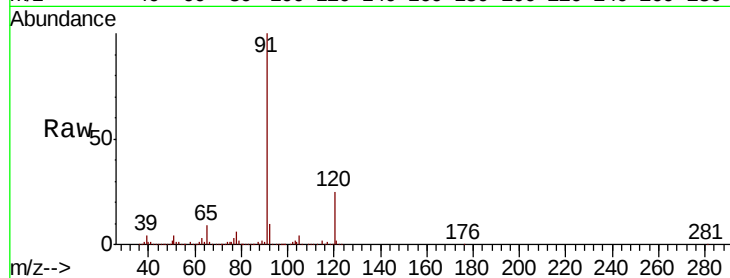
ClientSampleId :

Tot Ion: 91 Resp: 154955

Ion Ratio Lower Upper

91 100

126 0.0 16.2 48.6#



#83

tert-Butylbenzene

Concen: 0.681 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX010363.D

Acq: 20 Jun 2019 17:35

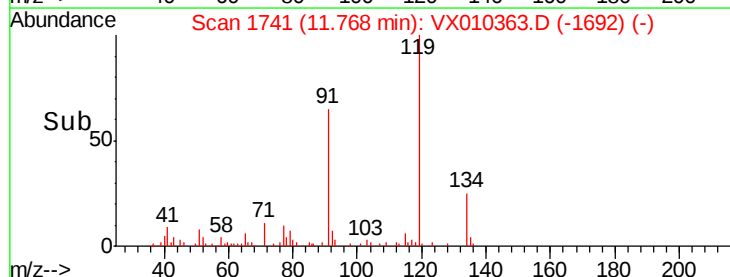
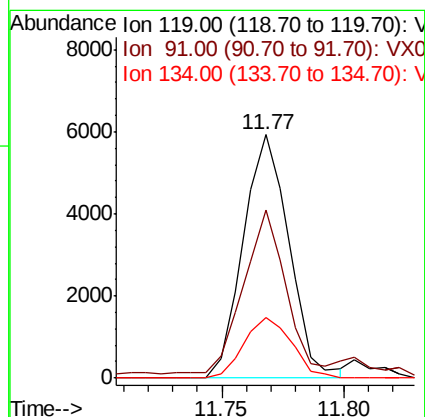
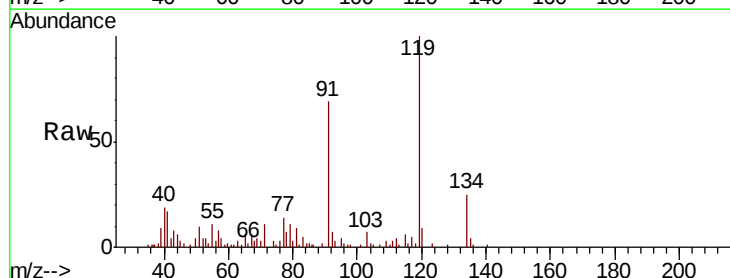
Tgt Ion: 119 Resp: 7707

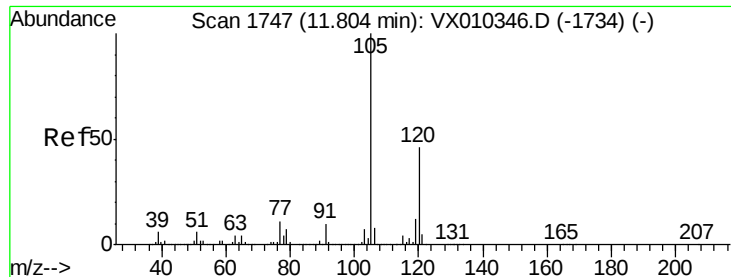
Ion Ratio Lower Upper

119 100

91 64.4 27.6 82.7

134 25.8 11.8 35.4

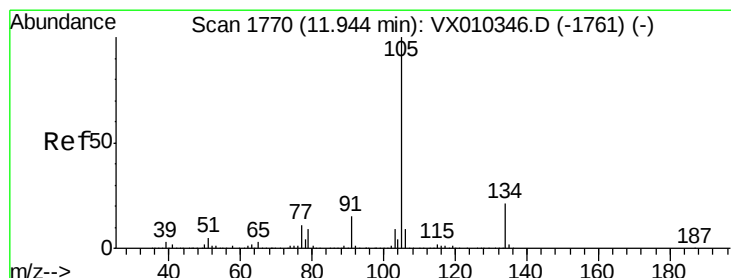
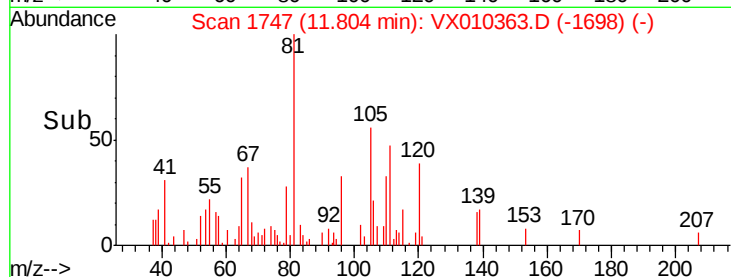
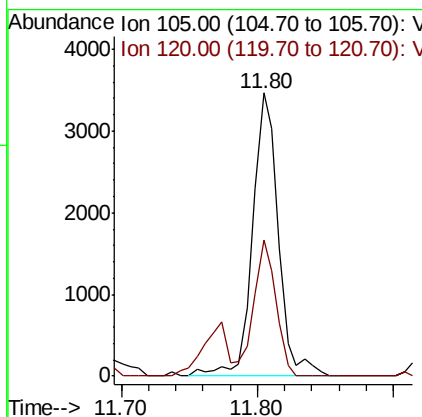
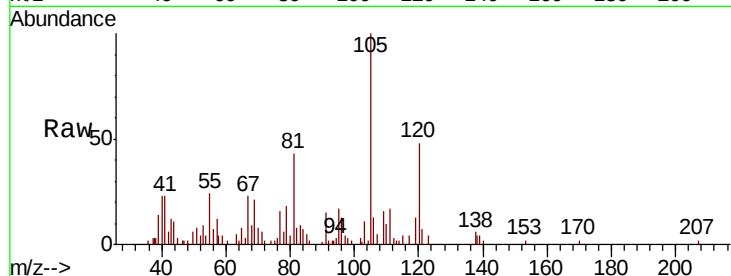




#84
 1,2,4-Trimethylbenzene
 Concen: 0.408 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX010363.D
 Acq: 20 Jun 2019 17:35

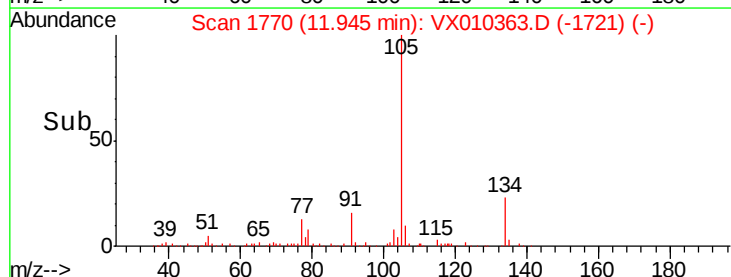
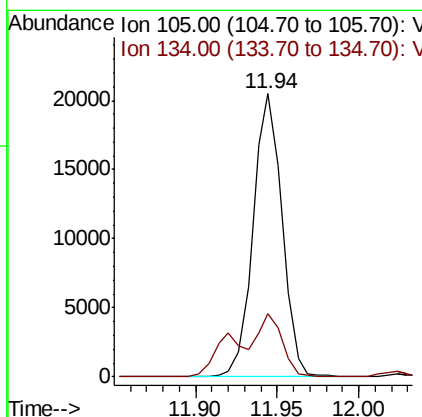
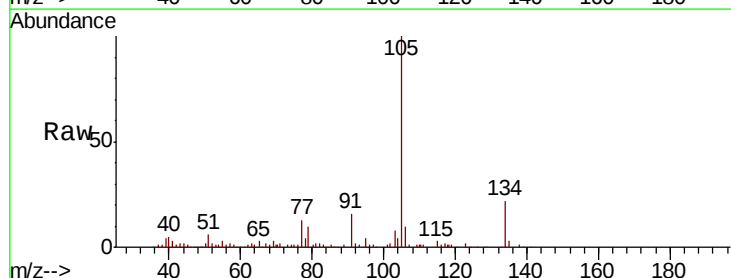
Instrument :
 MSVOA_X
 ClientSampleId :

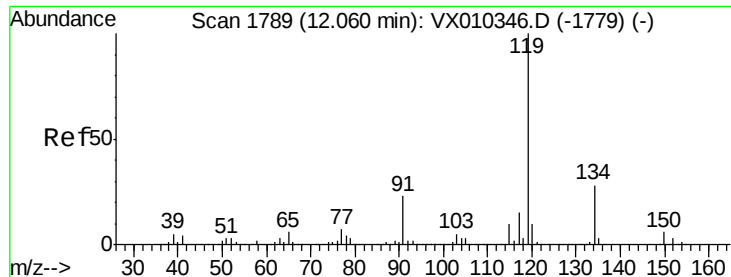
Tot Ion:105 Resp: 4620
 Ion Ratio Lower Upper
 105 100
 120 41.9 23.1 69.2



#85
 sec-Butylbenzene
 Concen: 1.913 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. 0.00 min
 Lab File: VX010363.D
 Acq: 20 Jun 2019 17:35

Tgt Ion:105 Resp: 25417
 Ion Ratio Lower Upper
 105 100
 134 18.7 10.7 31.9

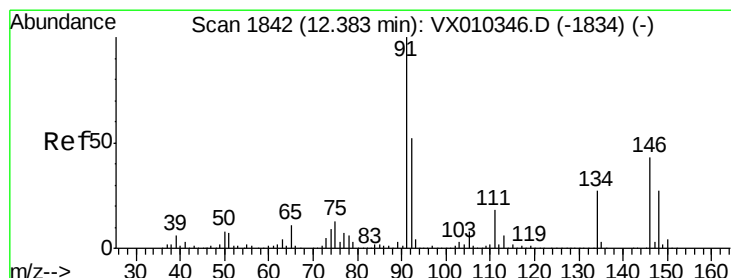
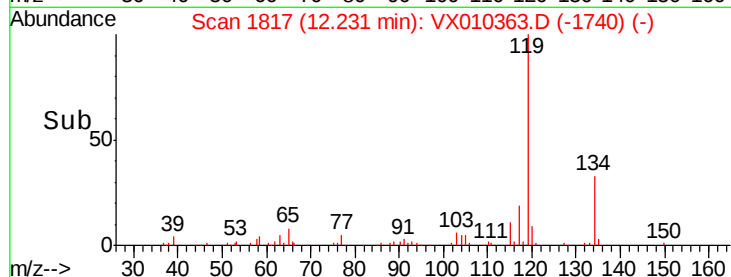
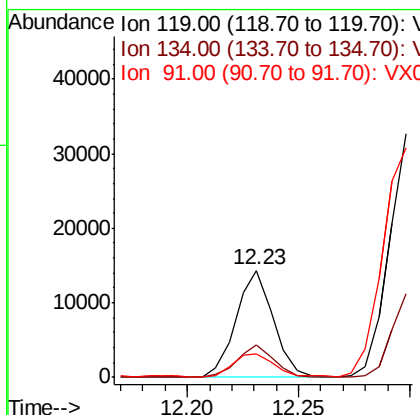
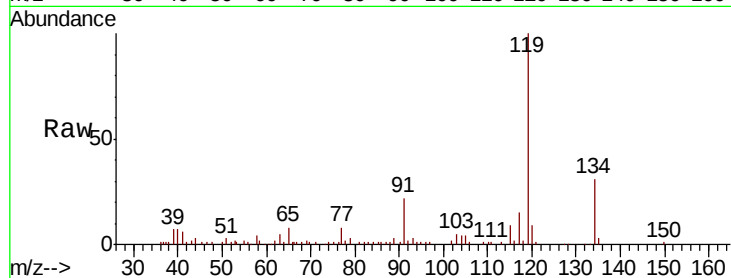




#86
p-Isopropyltoluene
Concen: 1.363 ug/l
RT: 12.23 min Scan# 1817
Delta R.T. 0.17 min
Lab File: VX010363.D
Acq: 20 Jun 2019 17:35

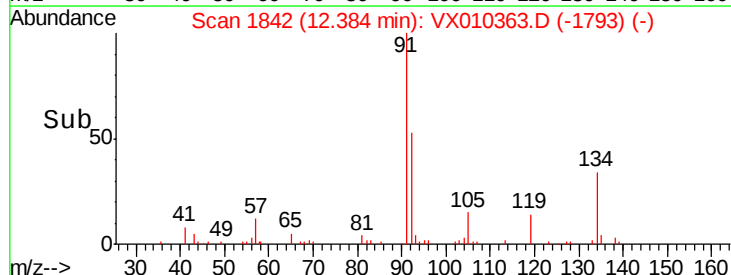
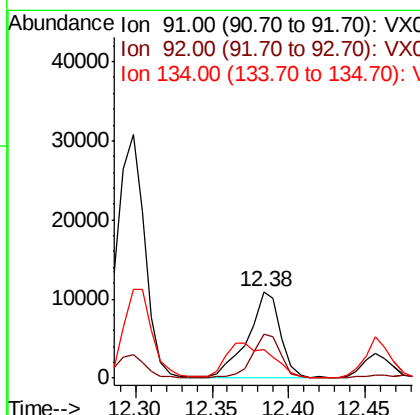
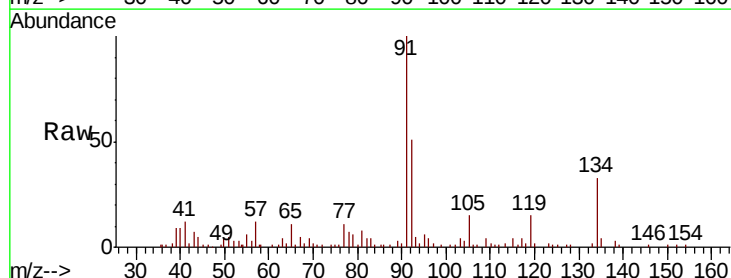
Instrument :
MSVOA_X
ClientSampled :

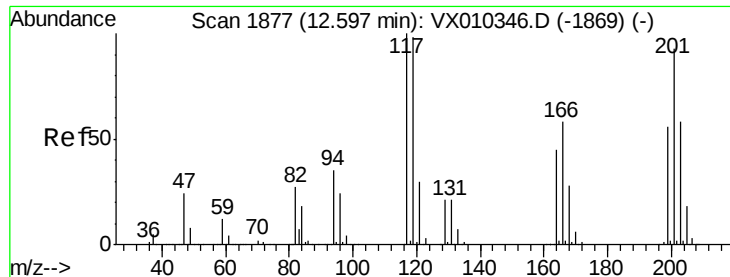
Tot Ion:119 Resp: 16752
Ion Ratio Lower Upper
119 100
134 30.0 13.7 41.1
91 23.3 11.3 33.8



#89
n-Butylbenzene
Concen: 1.538 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX010363.D
Acq: 20 Jun 2019 17:35

Tgt Ion: 91 Resp: 16064
Ion Ratio Lower Upper
91 100
92 45.3 26.2 78.5
134 57.5 14.1 42.4#

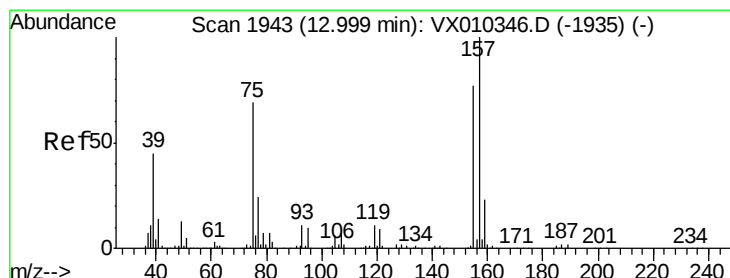
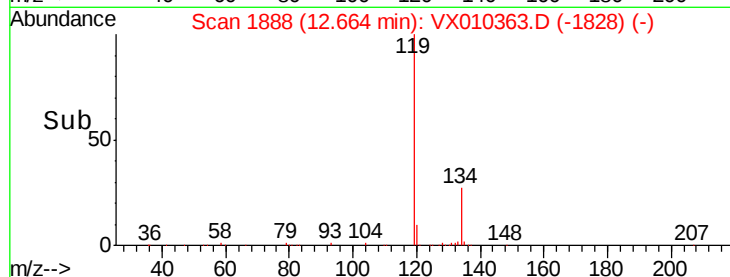
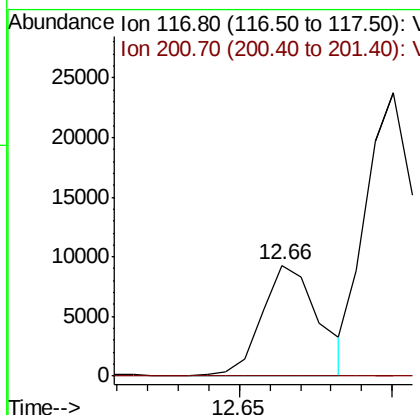
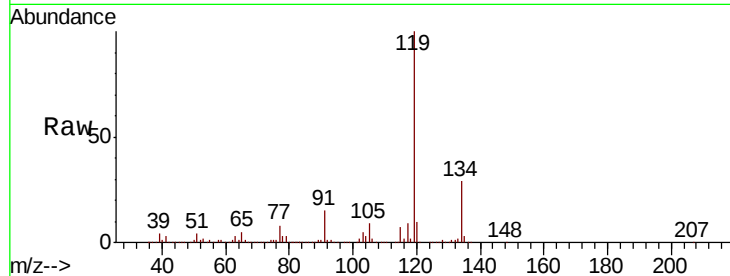




#90
Hexachloroethane
Concen: 5.583 ug/l
RT: 12.66 min Scan# 1888
Delta R.T. 0.07 min
Lab File: VX010363.D
Acq: 20 Jun 2019 17:35

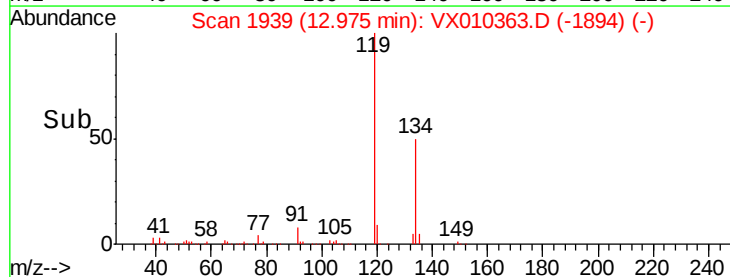
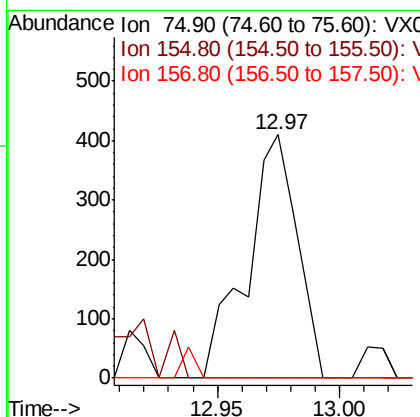
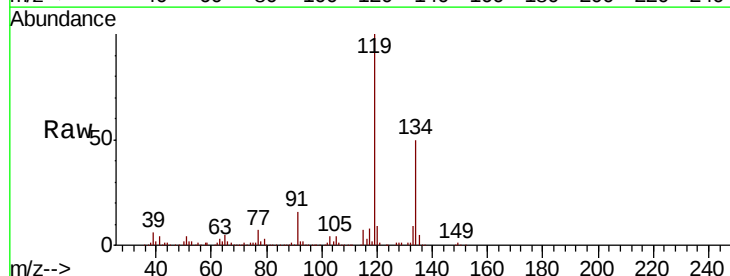
Instrument :
MSVOA_X
ClientSampled :

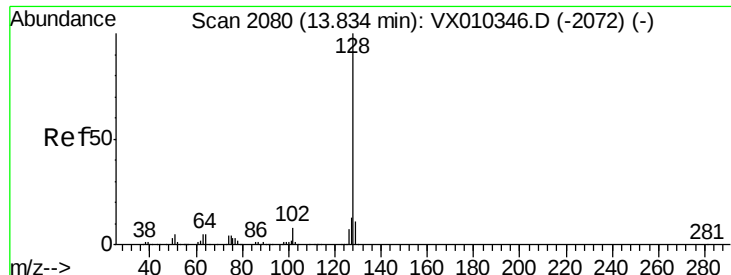
Tot Ion:117 Resp: 11863
Ion Ratio Lower Upper
117 100
201 0.0 44.0 131.8#



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.603 ug/l
RT: 12.97 min Scan# 1939
Delta R.T. -0.02 min
Lab File: VX010363.D
Acq: 20 Jun 2019 17:35

Tgt Ion: 75 Resp: 589
Ion Ratio Lower Upper
75 100
155 0.0 54.4 163.1#
157 0.0 69.5 208.3#





#95
Naphthalene
Concen: 3.691 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX010363.D
Acq: 20 Jun 2019 17:35

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.7	10.2	15.4
129	12.7	8.9	13.3

