

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX101419\
 Data File : VX013059.D
 Acq On : 14 Oct 2019 18:03
 Operator : JC/SP
 Sample : K5313-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 15 01:28:22 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	174254	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	281059	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	237484	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	100835	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	106377	48.84	ug/l	0.00
Spiked Amount			Recovery	=	97.68%	
35) Dibromofluoromethane	5.49	113	83509	51.77	ug/l	0.00
Spiked Amount			Recovery	=	103.54%	
50) Toluene-d8	8.71	98	328395	52.20	ug/l	0.00
Spiked Amount			Recovery	=	104.40%	
62) 4-Bromofluorobenzene	11.14	95	112325	45.95	ug/l	0.00
Spiked Amount			Recovery	=	91.90%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	905	0.468	ug/l	94
4) Vinyl Chloride	1.40	62	16326	8.183	ug/l	93
5) Bromomethane	1.64	94	271	0.327	ug/l #	69
6) Chloroethane	1.75	64	356	0.658	ug/l #	43
11) Tert butyl alcohol	3.01	59	3969	6.874	ug/l #	72
12) 1,1-Dichloroethene	2.36	96	942	0.535	ug/l #	80
13) Acrolein	2.25	56	1376	3.354	ug/l #	1
14) Allyl chloride	2.84	41	382068	121.835	ug/l #	65
15) Acrylonitrile	3.17	53	8857	8.095	ug/l #	38
16) Acetone	2.43	43	6431	5.602	ug/l	97
18) Methyl Acetate	2.84	43	955498	351.149	ug/l #	51
20) Methylene Chloride	2.83	84	2839	1.346	ug/l #	1
21) trans-1,2-Dichloroethene	3.16	96	764	0.405	ug/l #	73
25) 2-Butanone	4.55	43	17412	10.932	ug/l #	49
27) cis-1,2-Dichloroethene	4.59	96	31698	14.570	ug/l	90
30) Chloroform	5.26	83	905	0.261	ug/l #	56
31) Cyclohexane	5.57	56	226525	71.661	ug/l	99
36) 1,1-Dichloropropene	5.65	75	13162	5.326	ug/l #	47
37) Ethyl Acetate	4.83	43	1116	0.404	ug/l #	67
38) Carbon Tetrachloride	5.65	117	18260	7.592	ug/l #	18
39) Methylcyclohexane	7.46	83	205158	68.460	ug/l	99
40) Benzene	6.14	78	200420	27.461	ug/l	99
42) 1,2-Dichloroethane	6.14	62	1764	0.674	ug/l #	73
43) Isopropyl Acetate	6.34	43	291000	65.615	ug/l #	60
44) Trichloroethene	7.21	130	1240	0.613	ug/l	71
45) 1,2-Dichloropropane	7.46	63	2349	1.263	ug/l #	1
48) Methyl methacrylate	7.73	41	15403	7.127	ug/l #	42
51) 4-Methyl-2-Pentanone	8.67	43	17885	6.468	ug/l #	69
52) Toluene	8.78	92	17095	3.661	ug/l	98
53) t-1,3-Dichloropropene	8.78	75	188	2.228	ug/l #	1
55) 1,1,2-Trichloroethane	9.16	97	23980	12.978	ug/l #	20
56) Ethyl methacrylate	9.16	69	5535	3.443	ug/l #	1
67) Ethyl Benzene	10.25	91	242920	28.998	ug/l	99
68) m/p-Xylenes	10.36	106	202404	64.676	ug/l	98

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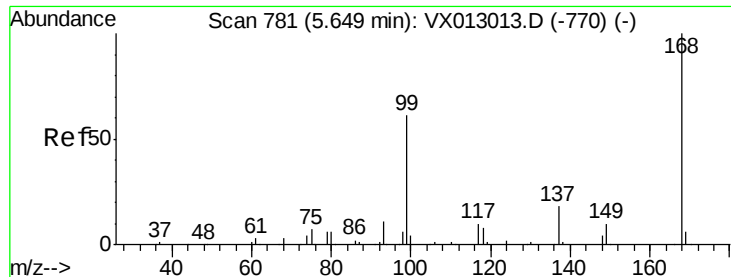
Instrument :
 MSVOA_X
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

69) o-Xylene	10.70	106	4649	1.523	ug/l	91
73) Isopropylbenzene	11.01	105	95709	12.910	ug/l	100
74) N-amyl acetate	10.91	43	686	0.215	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	11.28	83	852	0.346	ug/l #	25
76) 1,2,3-Trichloropropane	11.14	75	53452	23.900	ug/l #	33
78) n-propylbenzene	11.35	91	118516	14.528	ug/l	97
79) 2-Chlorotoluene	11.43	91	25909	5.054	ug/l #	43
80) 1,3,5-Trimethylbenzene	11.50	105	101696	16.428	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.14	75	53452	60.522	ug/l #	10
82) 4-Chlorotoluene	11.50	91	12131	2.064	ug/l #	46
83) tert-Butylbenzene	11.77	119	4920	0.815	ug/l	86
84) 1,2,4-Trimethylbenzene	11.80	105	275092	43.878	ug/l	97
85) sec-Butylbenzene	11.94	105	41748	5.967	ug/l	79
86) p-Isopropyltoluene	12.06	119	25889	3.990	ug/l	94
89) n-Butylbenzene	12.38	91	22125	4.057	ug/l #	34
90) Hexachloroethane	12.58	117	3324	4.767	ug/l #	13
92) 1,2-Dibromo-3-Chloropropan	13.01	75	521	0.901	ug/l #	1
95) Naphthalene	13.83	128	25236	3.654	ug/l #	94

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.00 min

Lab File: VX013059.D

Acq: 14 Oct 2019 18:03

Instrument :

MSVOA_X

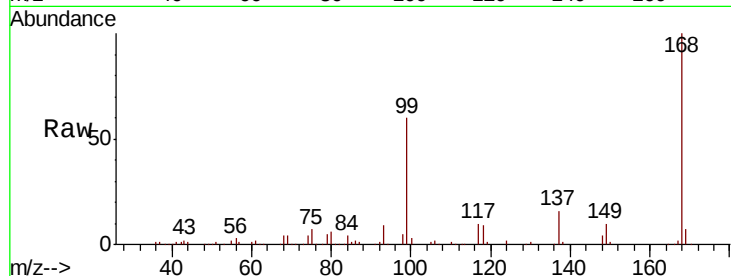
ClientSampleId :

Tot Ion:168 Resp: 174254

Ion Ratio Lower Upper

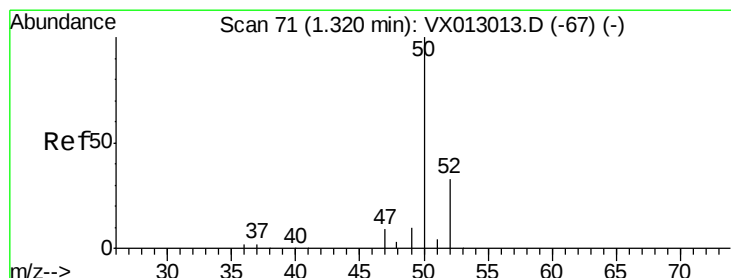
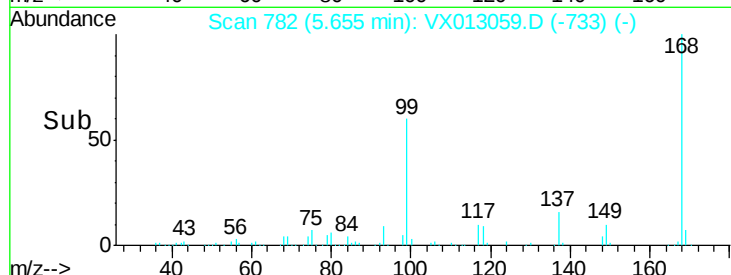
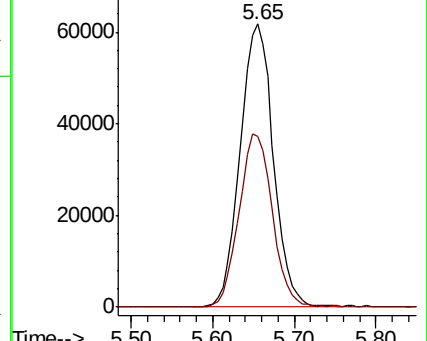
168 100

99 60.4 49.4 74.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.468 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX013059.D

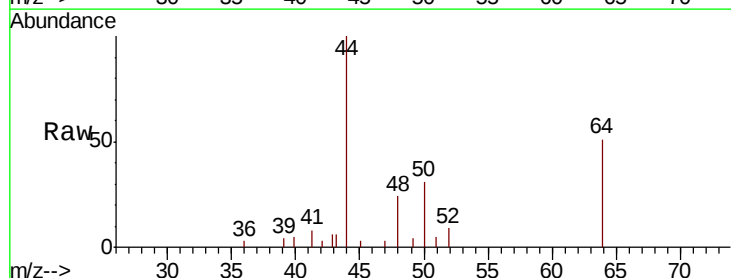
Acq: 14 Oct 2019 18:03

Tgt Ion: 50 Resp: 905

Ion Ratio Lower Upper

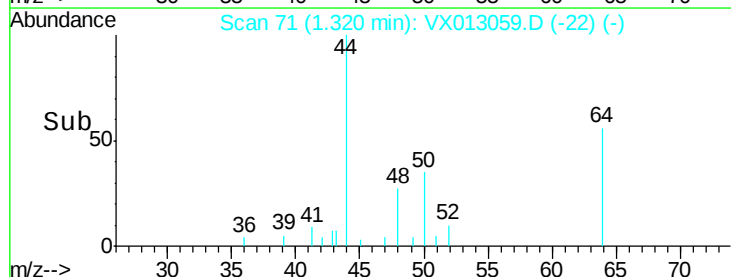
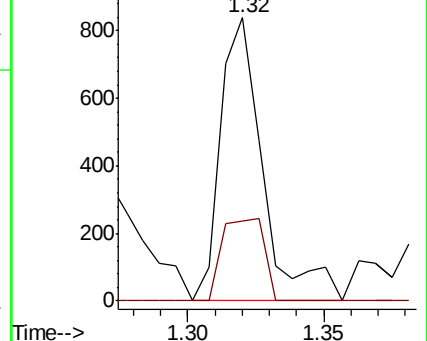
50 100

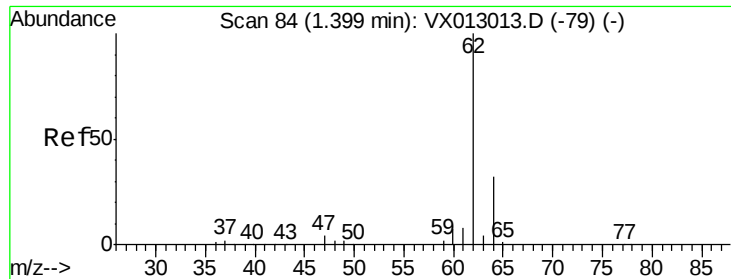
52 28.4 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#4

Vinyl Chloride

Concen: 8.183 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX013059.D

Acq: 14 Oct 2019 18:03

Instrument :

MSVOA_X

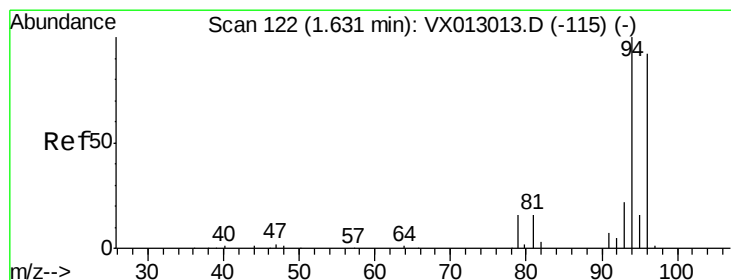
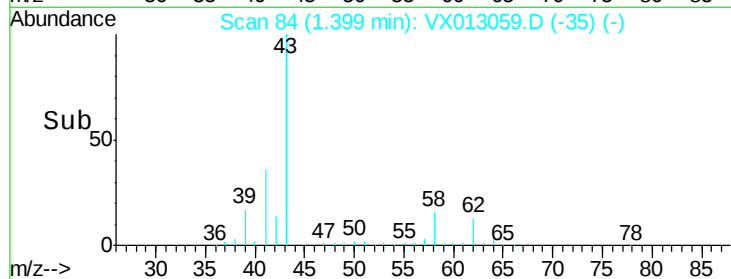
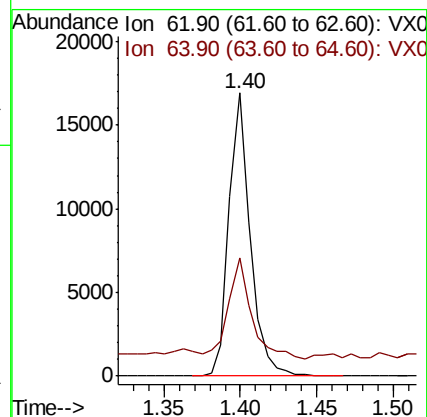
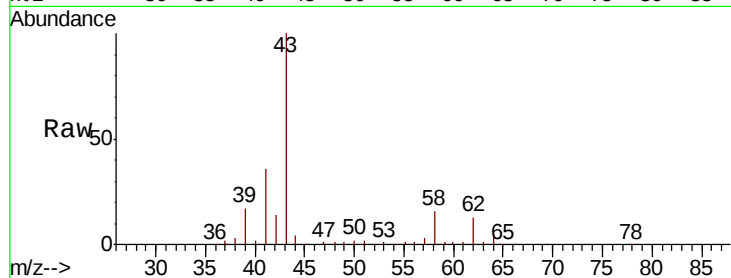
ClientSampled :

Tot Ion: 62 Resp: 16326

Ion Ratio Lower Upper

62 100

64 35.2 25.3 37.9



#5

Bromomethane

Concen: 0.327 ug/l

RT: 1.64 min Scan# 124

Delta R.T. 0.01 min

Lab File: VX013059.D

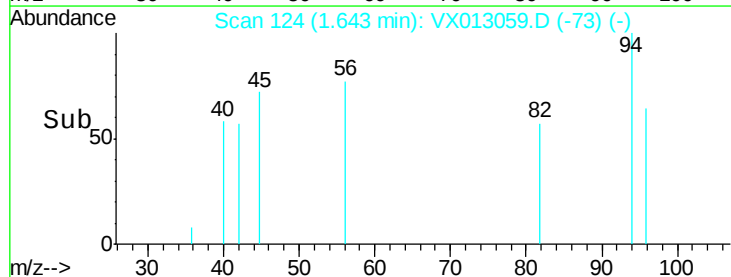
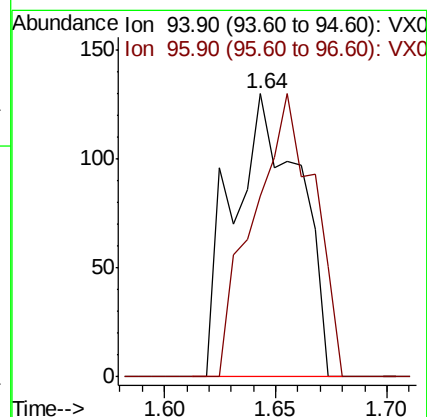
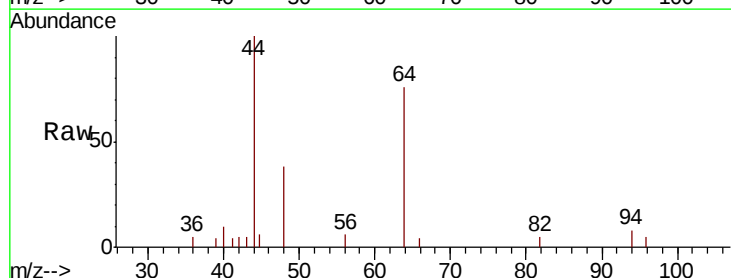
Acq: 14 Oct 2019 18:03

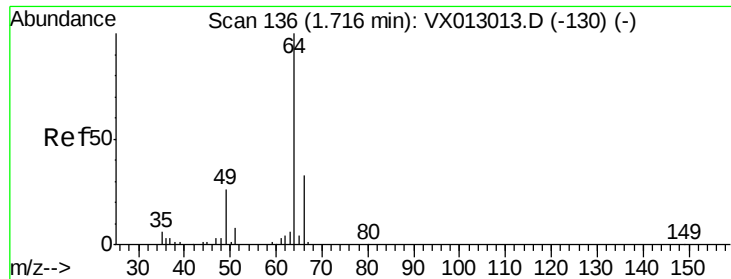
Tgt Ion: 94 Resp: 271

Ion Ratio Lower Upper

94 100

96 63.8 74.7 112.1#





#6

Chloroethane

Concen: 0.658 ug/l

RT: 1.75 min Scan# 142

Delta R.T. 0.04 min

Lab File: VX013059.D

Acq: 14 Oct 2019 18:03

Instrument :

MSVOA_X

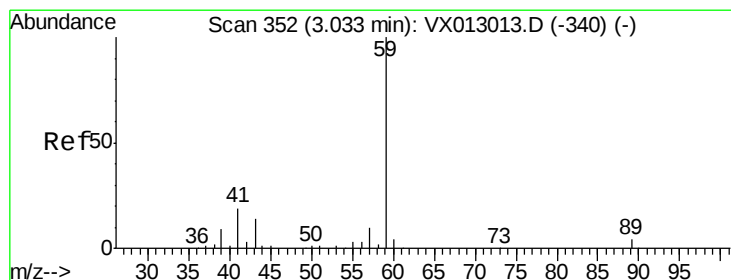
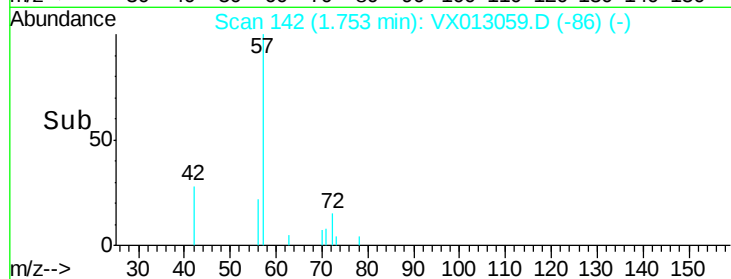
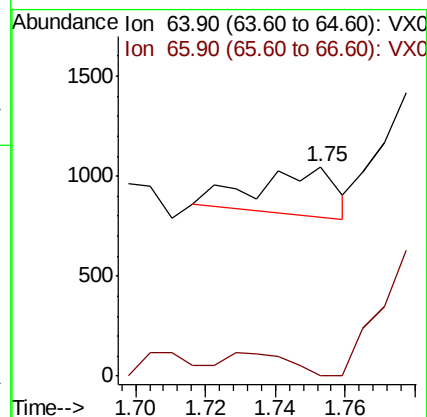
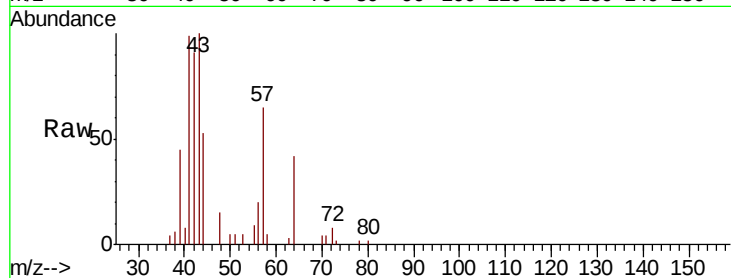
ClientSampled :

Tot Ion: 64 Resp: 356

Ion Ratio Lower Upper

64 100

66 0.0 25.6 38.4#



#11

Tert butyl alcohol

Concen: 6.874 ug/l

RT: 3.01 min Scan# 348

Delta R.T. -0.03 min

Lab File: VX013059.D

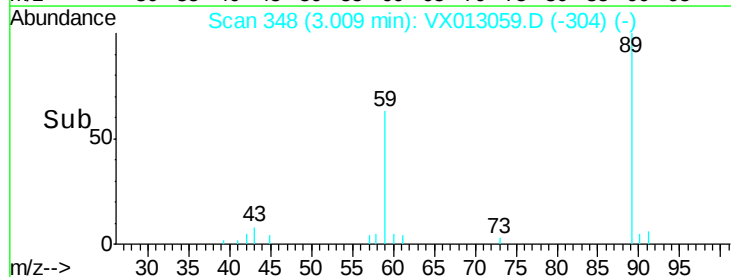
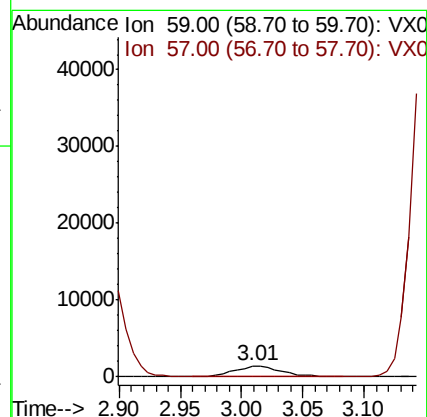
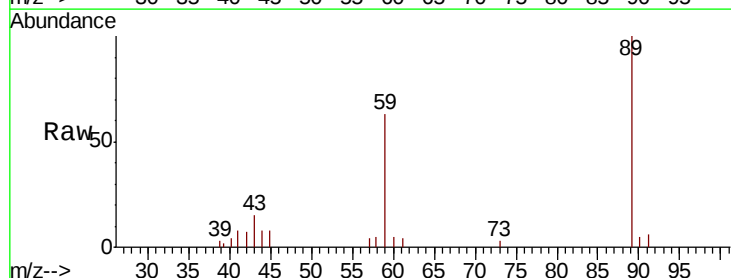
Acq: 14 Oct 2019 18:03

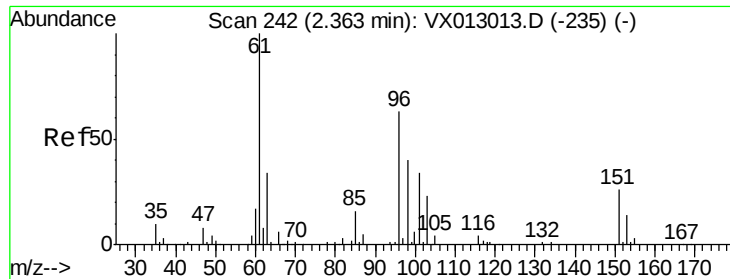
Tgt Ion: 59 Resp: 3969

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#

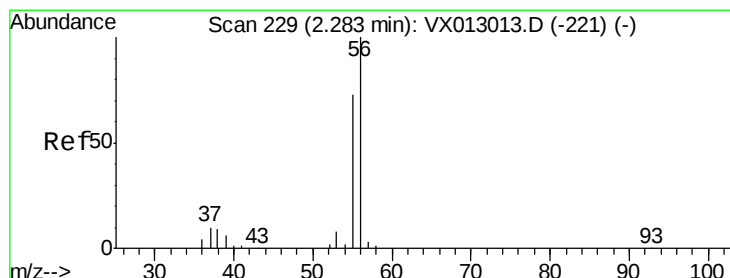
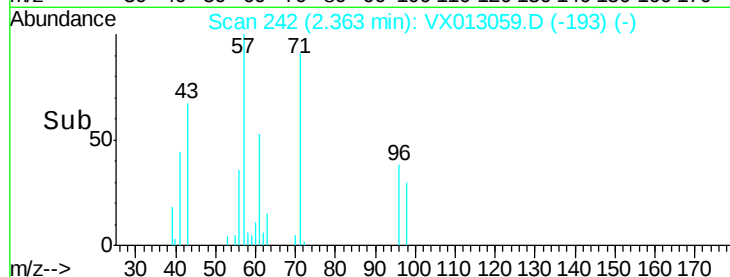
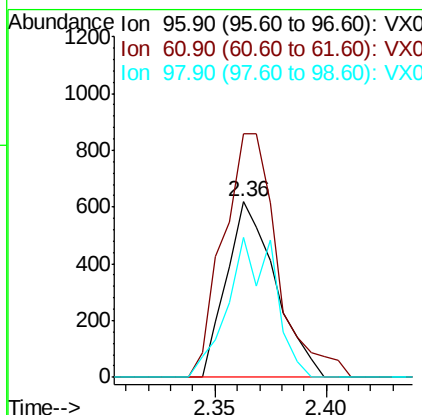
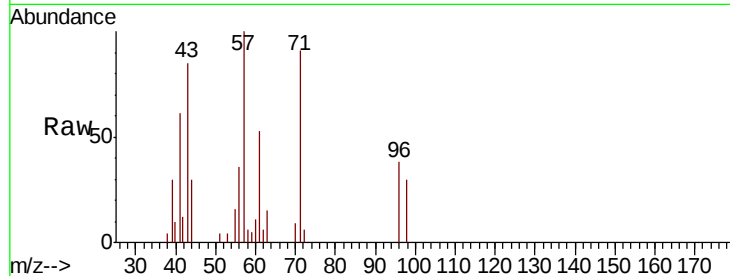




#12
 1,1-Dichloroethene
 Concen: 0.535 ug/l
 RT: 2.36 min Scan# 242
 Delta R.T. 0.00 min
 Lab File: VX013059.D
 Acq: 14 Oct 2019 18:03

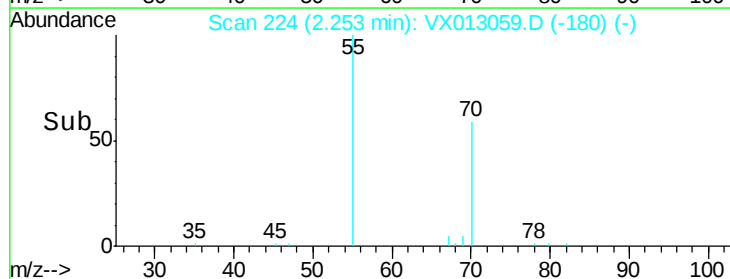
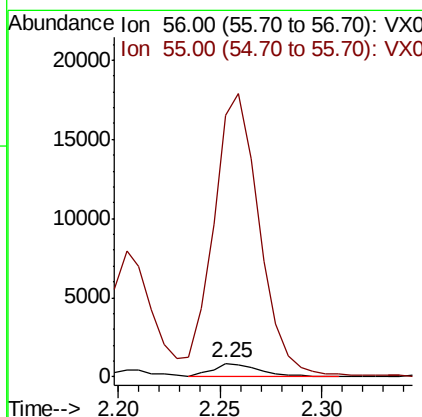
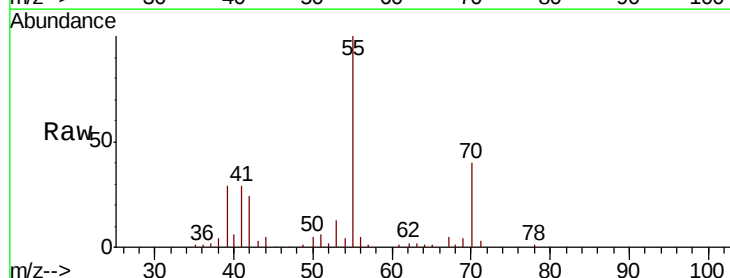
Instrument :
 MSVOA_X
 ClientSampled :

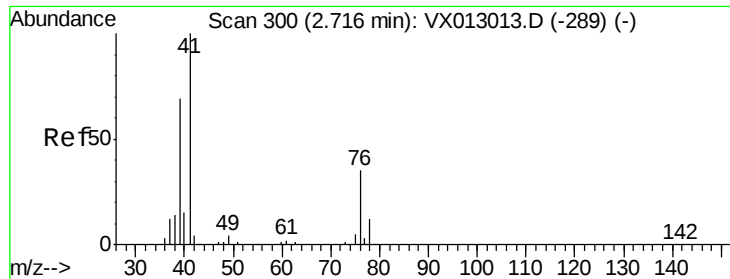
Tot Ion: 96 Resp: 942
 Ion Ratio Lower Upper
 96 100
 61 138.9 132.2 198.4
 98 79.7 50.5 75.7#



#13
 Acrolein
 Concen: 3.354 ug/l
 RT: 2.25 min Scan# 224
 Delta R.T. -0.03 min
 Lab File: VX013059.D
 Acq: 14 Oct 2019 18:03

Tgt Ion: 56 Resp: 1376
 Ion Ratio Lower Upper
 56 100
 55 2052.0 56.6 85.0#





#14

Allvl chloride

Concen: 121.835 ug/l

RT: 2.84 min Scan# 320

Delta R.T. 0.12 min

Lab File: VX013059.D

Acq: 14 Oct 2019 18:03

Instrument :

MSVOA_X

ClientSampleId :

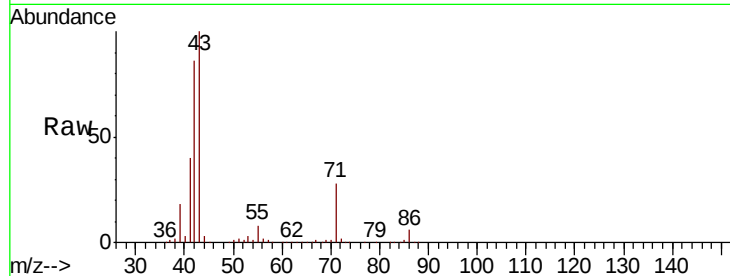
Tot Ion: 41 Resp: 382068

Ion Ratio Lower Upper

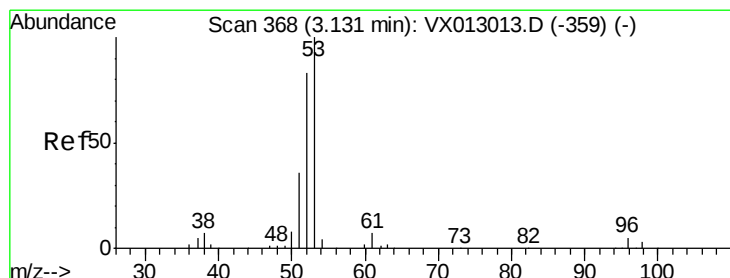
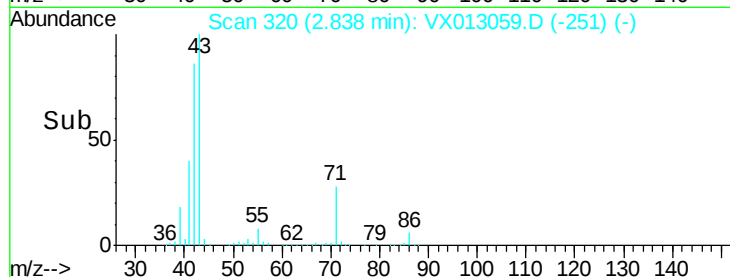
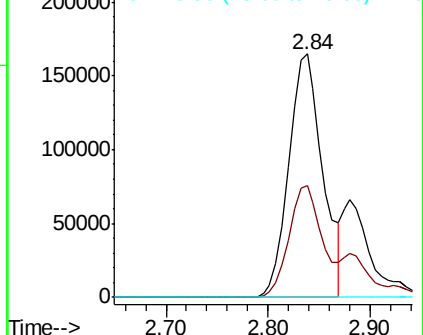
41 100

39 45.6 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: 8.095 ug/l

RT: 3.17 min Scan# 374

Delta R.T. 0.03 min

Lab File: VX013059.D

Acq: 14 Oct 2019 18:03

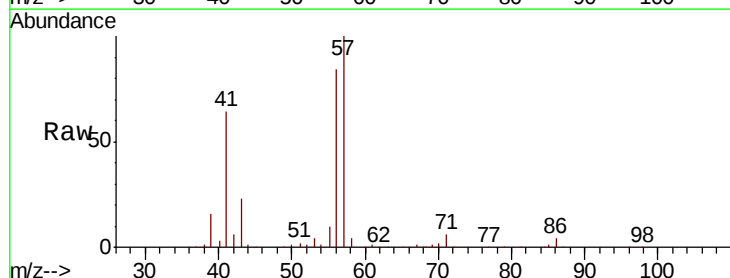
Tgt Ion: 53 Resp: 8857

Ion Ratio Lower Upper

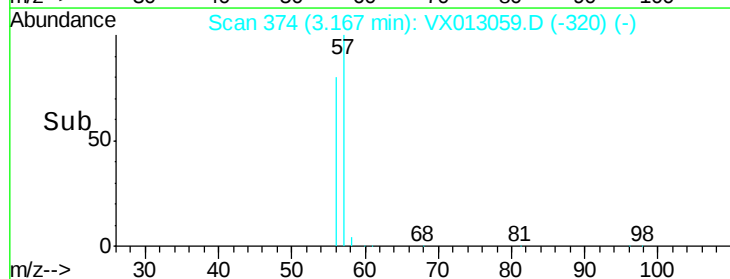
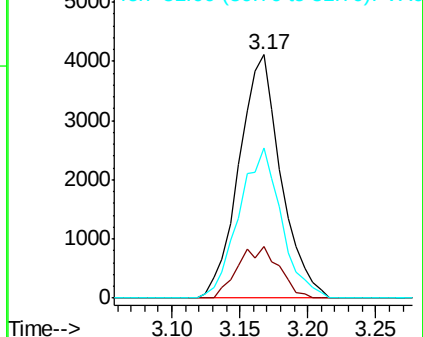
53 100

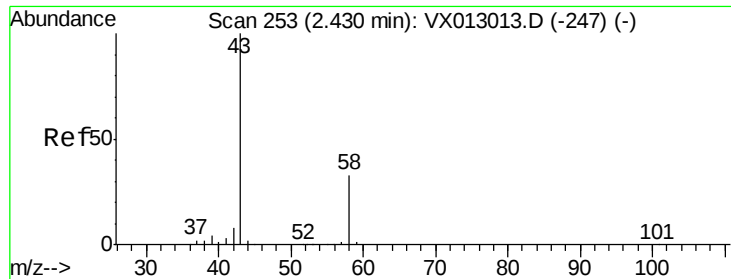
52 20.9 66.2 99.2#

51 62.5 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: 5.602 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX013059.D

Acq: 14 Oct 2019 18:03

Instrument :

MSVOA_X

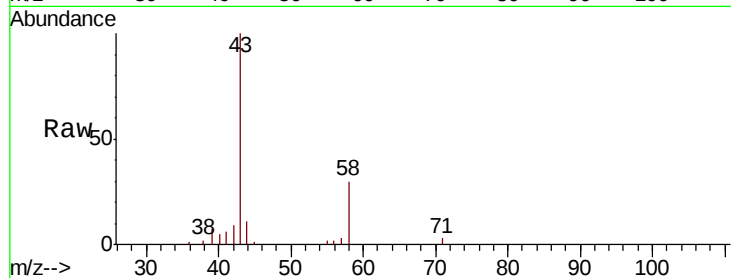
ClientSampleId :

Tot Ion: 43 Resp: 6431

Ion Ratio Lower Upper

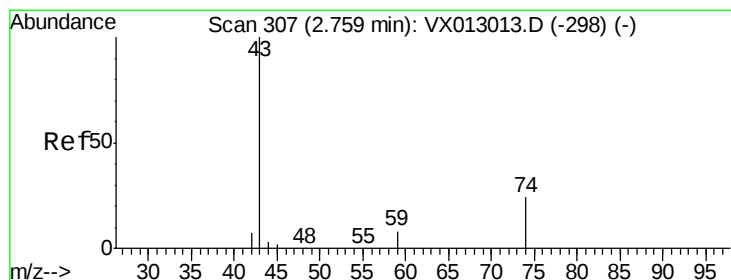
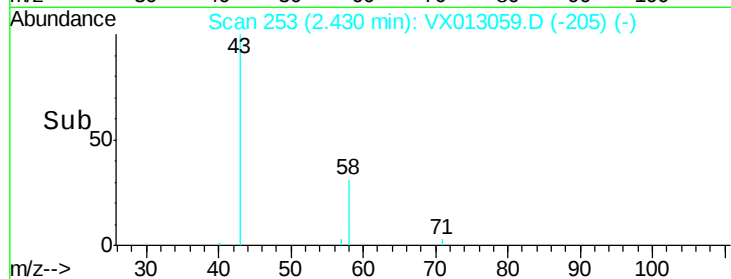
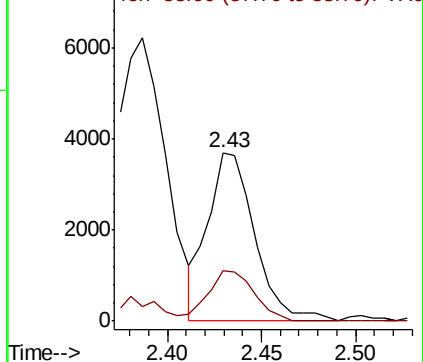
43 100

58 29.9 25.4 38.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#18

Methyl Acetate

Concen: 351.149 ug/l

RT: 2.84 min Scan# 320

Delta R.T. 0.07 min

Lab File: VX013059.D

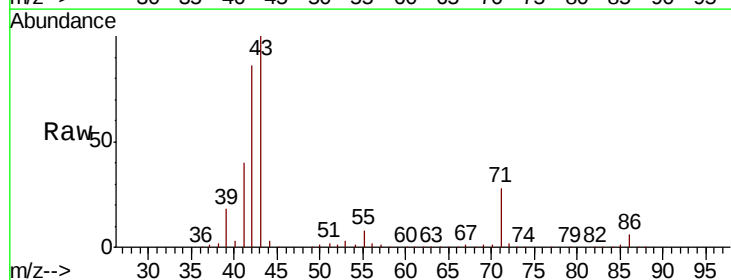
Acq: 14 Oct 2019 18:03

Tgt Ion: 43 Resp: 955498

Ion Ratio Lower Upper

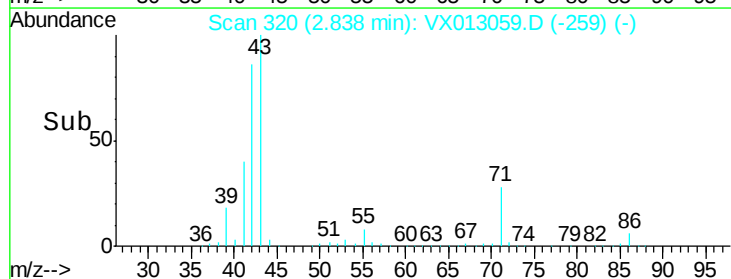
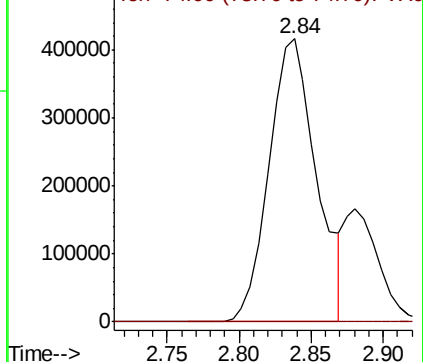
43 100

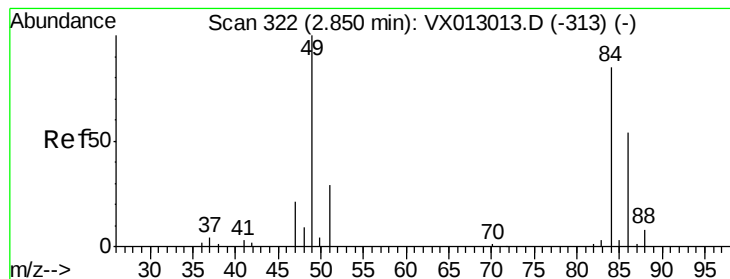
74 0.0 19.2 28.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#20

Methylene Chloride

Concen: 1.346 ug/l

RT: 2.83 min Scan# 318

Delta R.T. -0.02 min

Lab File: VX013059.D

Acq: 14 Oct 2019 18:03

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 84 Resp: 2839

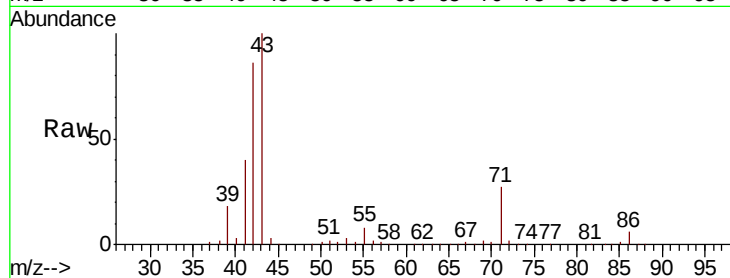
Ion Ratio Lower Upper

84 100

49 30.1 96.6 144.8#

51 439.4 30.7 46.1#

86 1561.4 51.0 76.6#

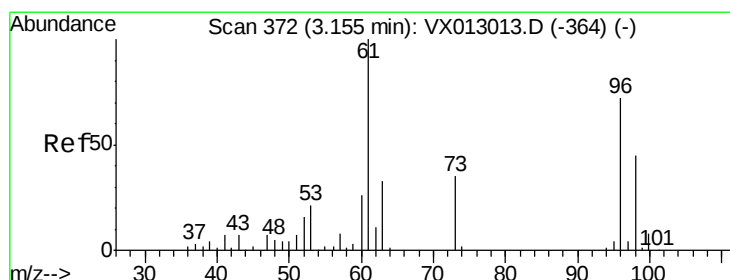
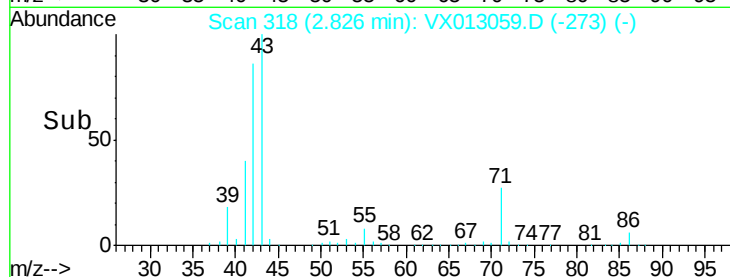
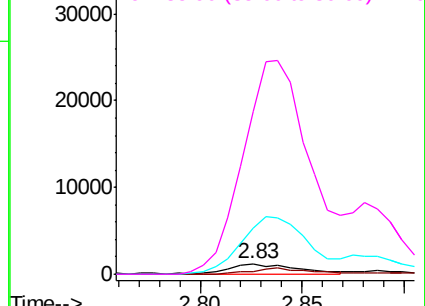


Abundance Ion 83.90 (83.60 to 84.60): VX0

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: 0.405 ug/l

RT: 3.16 min Scan# 373

Delta R.T. 0.01 min

Lab File: VX013059.D

Acq: 14 Oct 2019 18:03

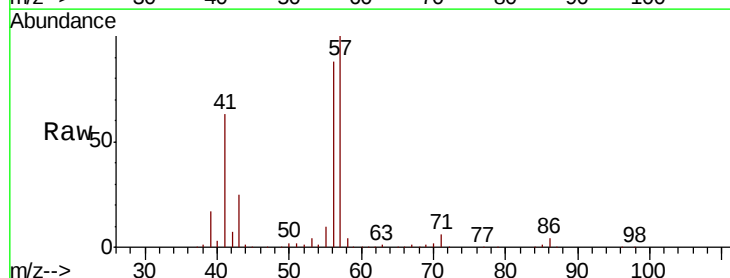
Tgt Ion: 96 Resp: 764

Ion Ratio Lower Upper

96 100

61 98.4 110.4 165.6#

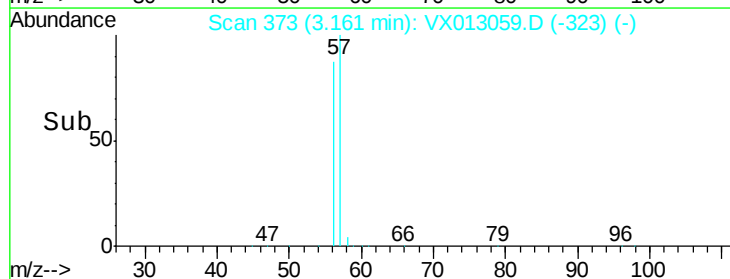
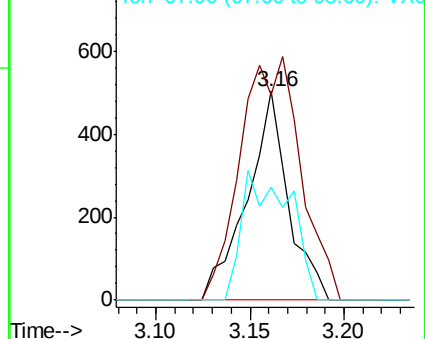
98 54.0 51.5 77.3

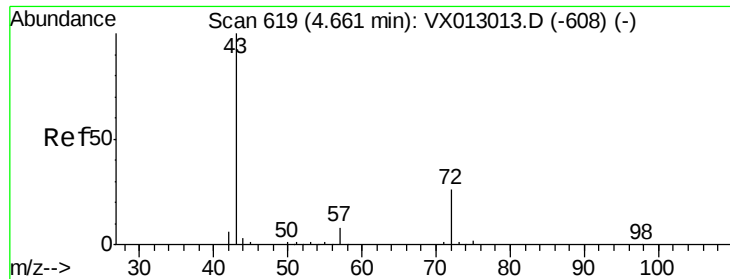


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#25

2-Butanone

Concen: 10.932 ug/l

RT: 4.55 min Scan# 601

Delta R.T. -0.11 min

Lab File: VX013059.D

Acq: 14 Oct 2019 18:03

Instrument :

MSVOA_X

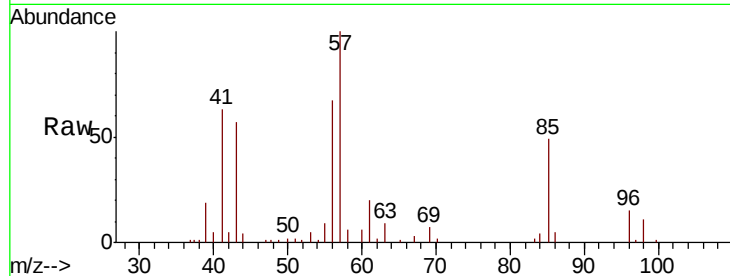
ClientSampled :

Tot Ion: 43 Resp: 17412

Ion Ratio Lower Upper

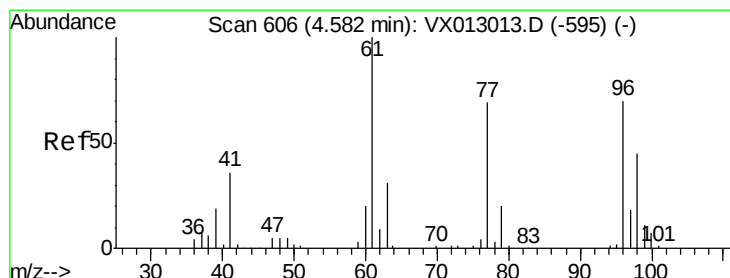
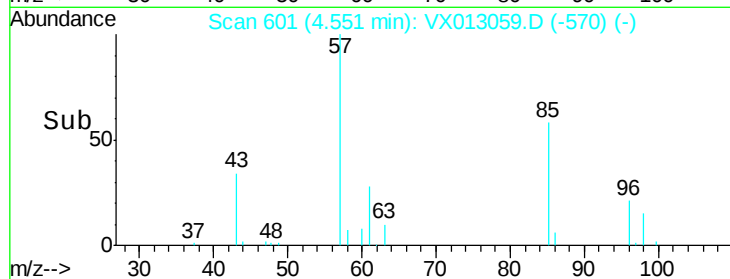
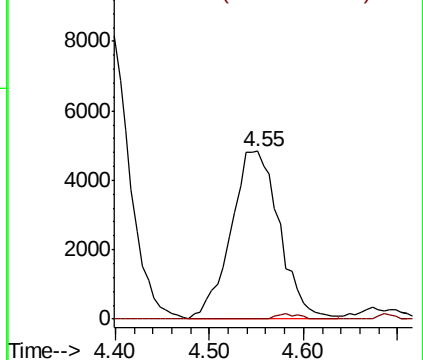
43 100

72 0.0 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: 14.570 ug/l

RT: 4.59 min Scan# 607

Delta R.T. 0.00 min

Lab File: VX013059.D

Acq: 14 Oct 2019 18:03

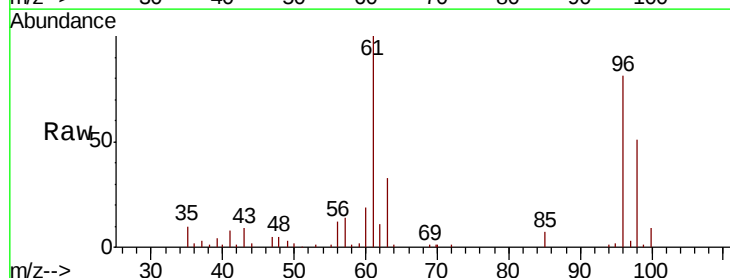
Tgt Ion: 96 Resp: 31698

Ion Ratio Lower Upper

96 100

61 128.2 0.0 290.6

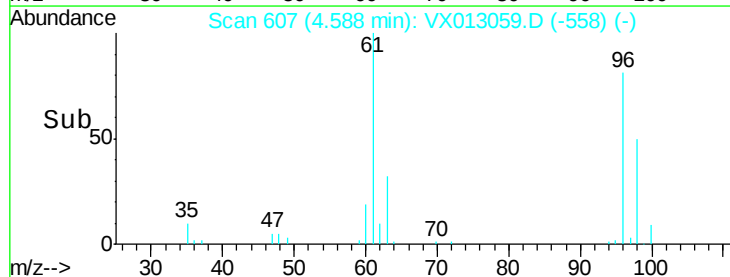
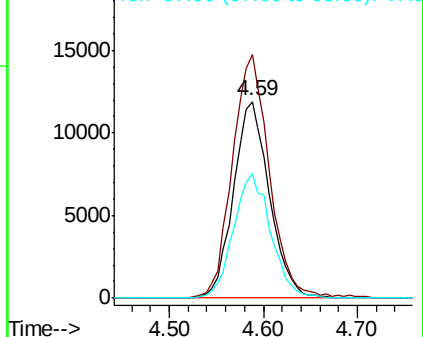
98 65.7 0.0 128.8

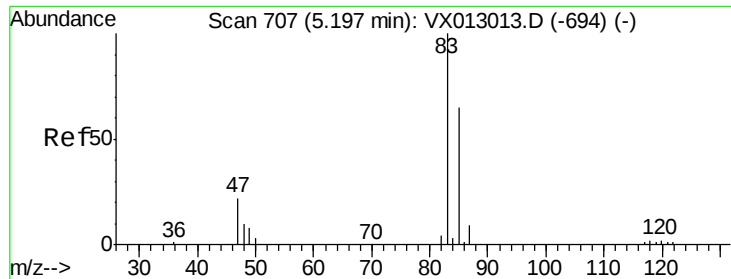


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

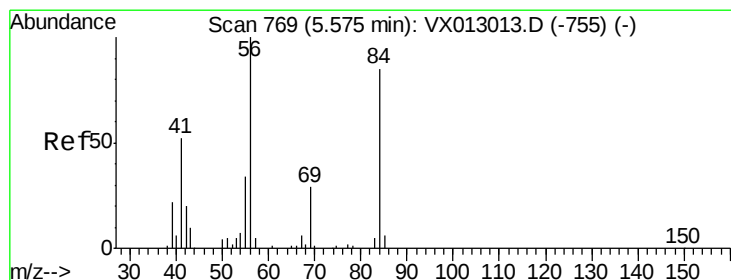
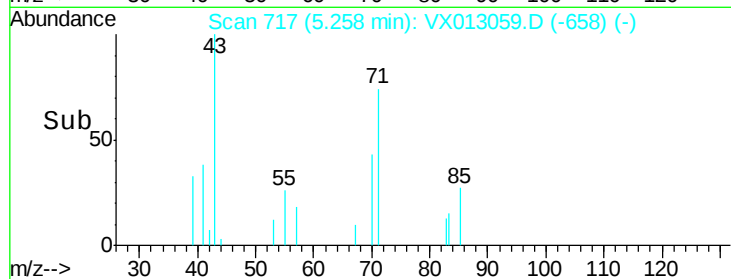
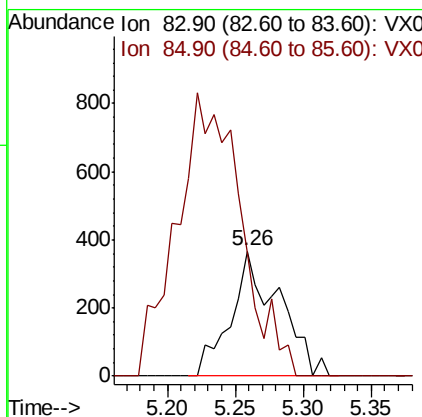
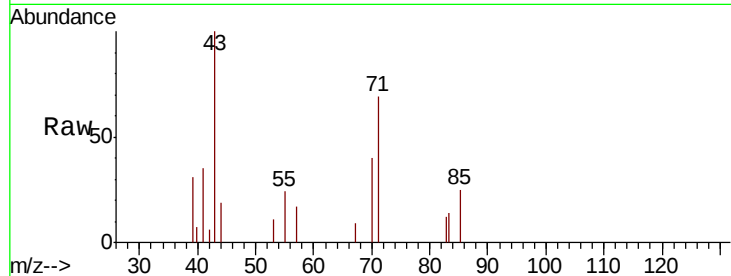




#30
Chloroform
Concen: 0.261 ug/l
RT: 5.26 min Scan# 717
Delta R.T. 0.06 min
Lab File: VX013059.D
Acq: 14 Oct 2019 18:03

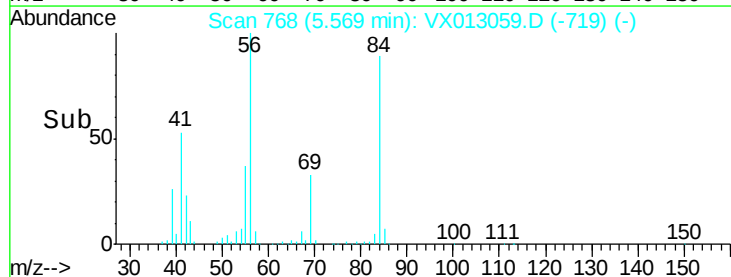
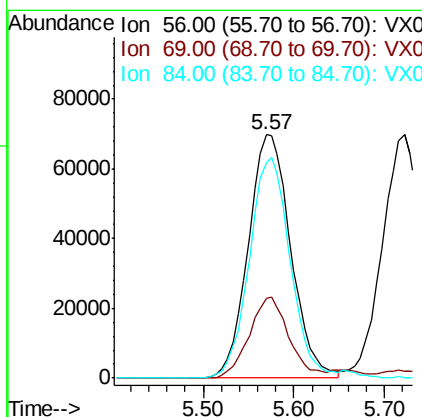
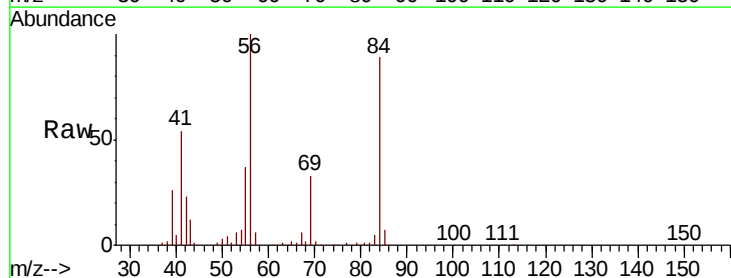
Instrument :
MSVOA_X
ClientSampled :

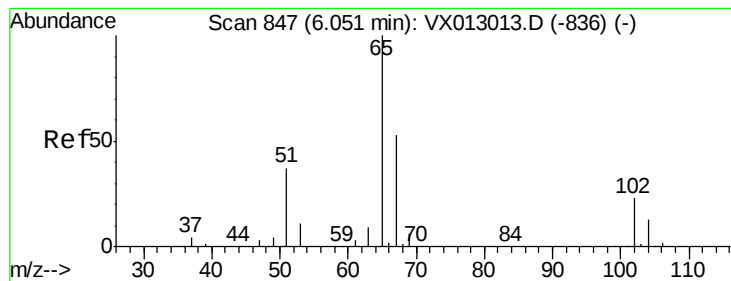
Tot Ion: 83 Resp: 905
Ion Ratio Lower Upper
83 100
85 99.2 51.5 77.3#



#31
Cyclohexane
Concen: 71.661 ug/l
RT: 5.57 min Scan# 768
Delta R.T. 0.00 min
Lab File: VX013059.D
Acq: 14 Oct 2019 18:03

Tgt Ion: 56 Resp: 226525
Ion Ratio Lower Upper
56 100
69 32.5 25.2 37.8
84 88.7 71.3 106.9





#33

1,2-Dichloroethane-d4

Concen: 48.843 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.01 min

Lab File: VX013059.D

Acq: 14 Oct 2019 18:03

Instrument :

MSVOA_X

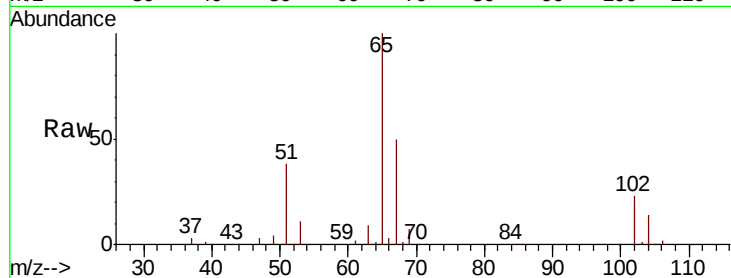
ClientSampleId :

Tot Ion: 65 Resp: 106377

Ion Ratio Lower Upper

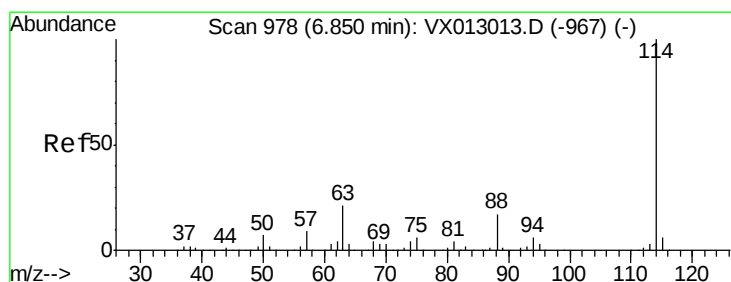
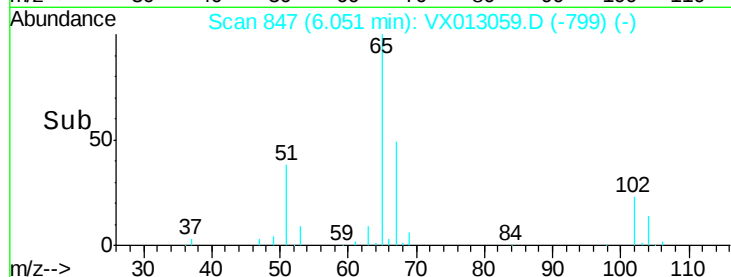
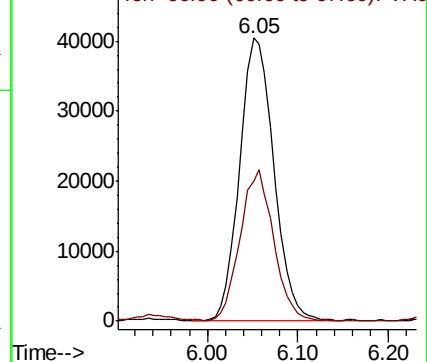
65 100

67 52.2 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX013059.D

Acq: 14 Oct 2019 18:03

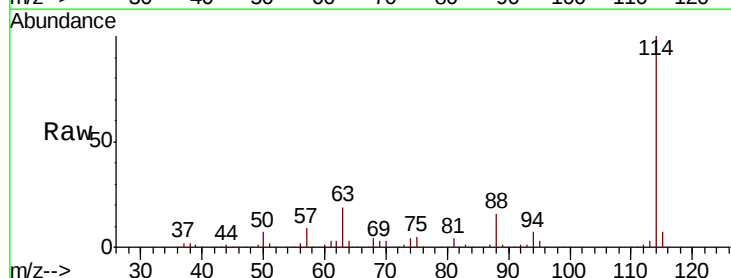
Tgt Ion: 114 Resp: 281059

Ion Ratio Lower Upper

114 100

63 19.3 0.0 40.8

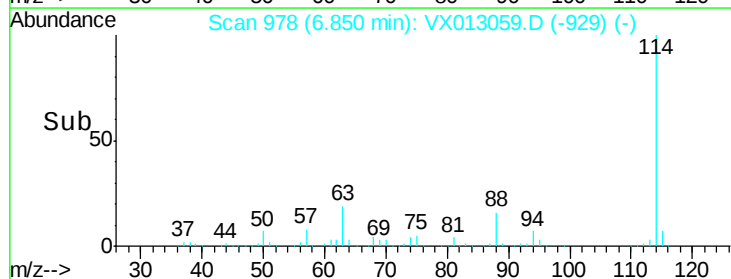
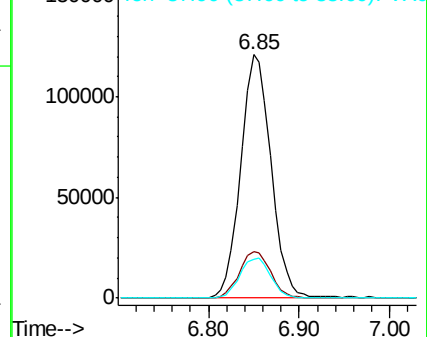
88 16.1 0.0 33.8

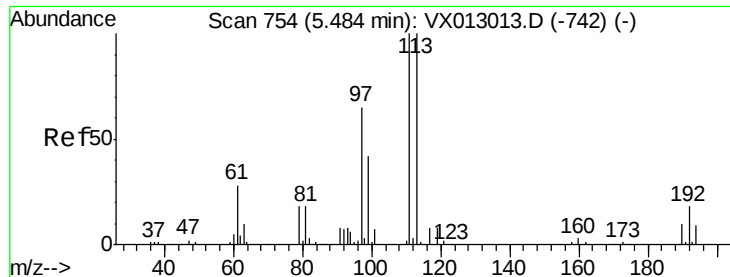


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 51.768 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX013059.D

Acq: 14 Oct 2019 18:03

Instrument :

MSVOA_X

ClientSampleId :

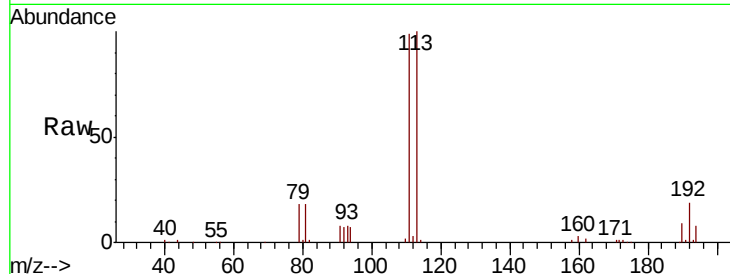
Tot Ion:113 Resp: 83509

Ion Ratio Lower Upper

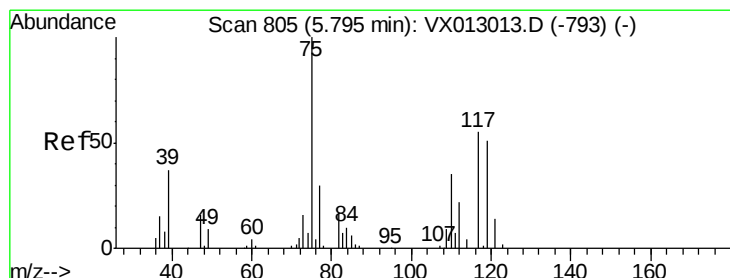
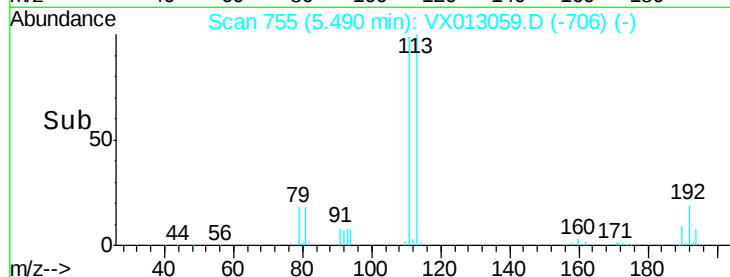
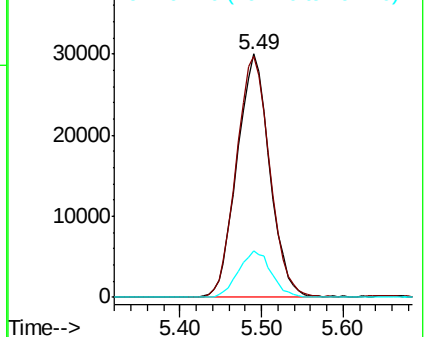
113 100

111 101.6 83.2 124.8

192 19.4 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: 5.326 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.14 min

Lab File: VX013059.D

Acq: 14 Oct 2019 18:03

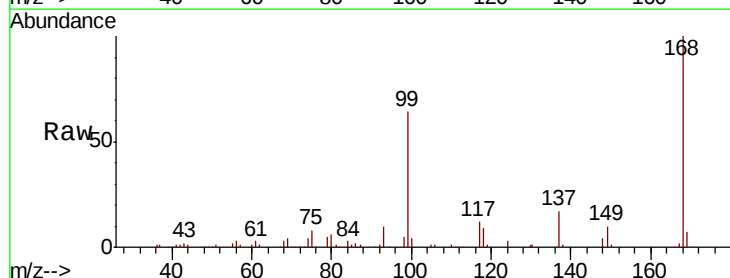
Tgt Ion: 75 Resp: 13162

Ion Ratio Lower Upper

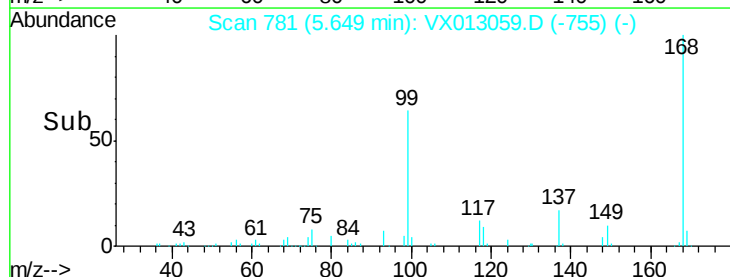
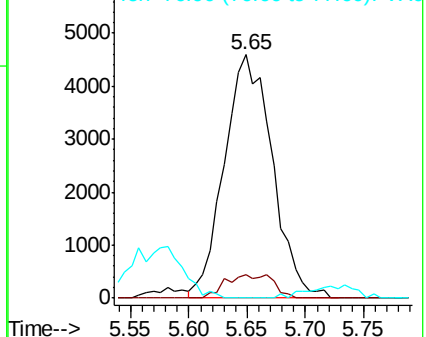
75 100

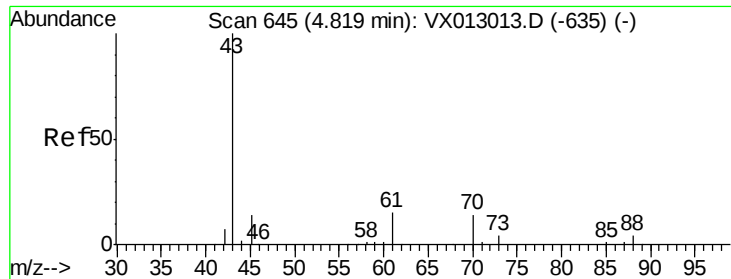
110 5.8 17.6 52.9#

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

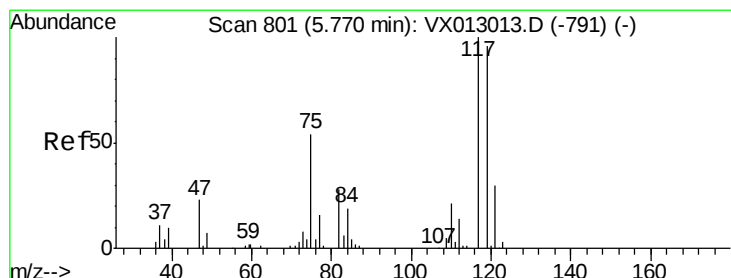
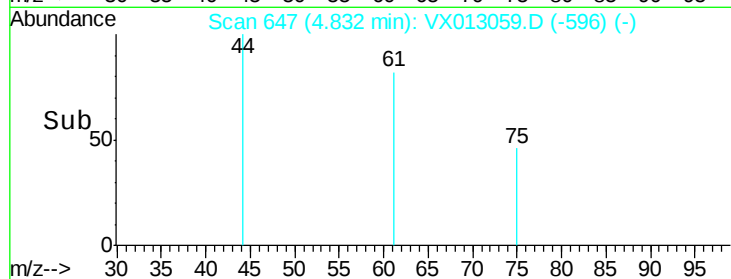
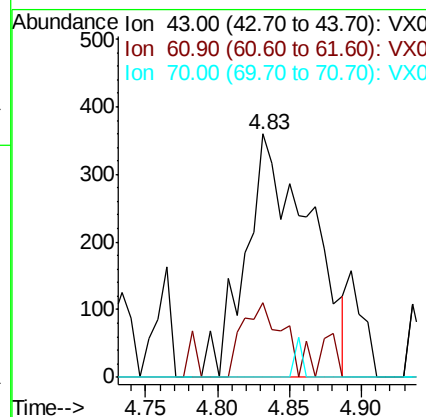
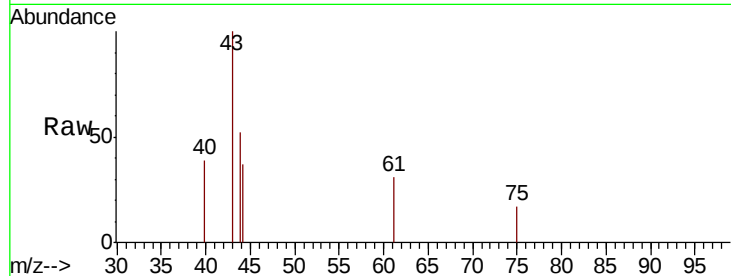




#37
Ethyl Acetate
Concen: 0.404 ug/l
RT: 4.83 min Scan# 647
Delta R.T. 0.01 min
Lab File: VX013059.D
Acq: 14 Oct 2019 18:03

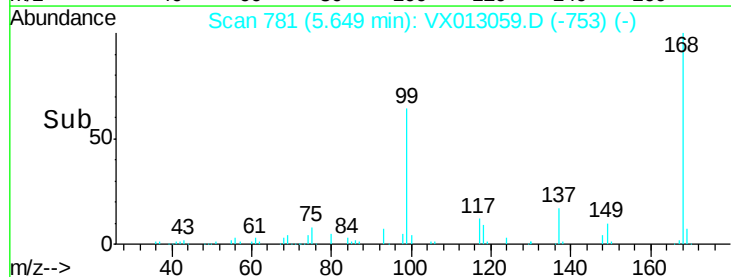
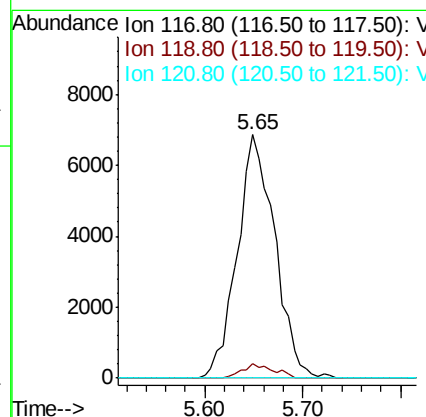
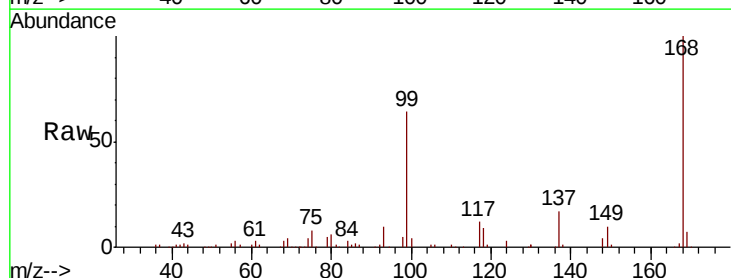
Instrument :
MSVOA_X
ClientSampleID :

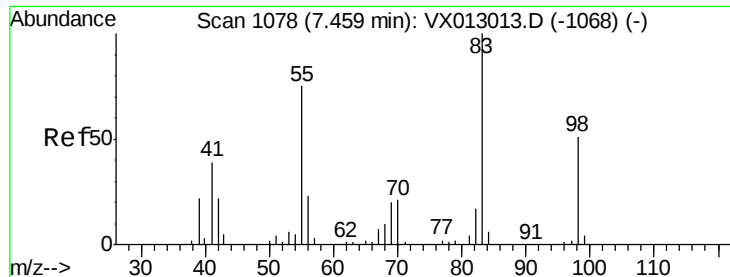
Tot Ion: 43 Resp: 1116
Ion Ratio Lower Upper
43 100
61 0.0 11.4 17.0#
70 0.0 9.8 14.6#



#38
Carbon Tetrachloride
Concen: 7.592 ug/l
RT: 5.65 min Scan# 781
Delta R.T. -0.13 min
Lab File: VX013059.D
Acq: 14 Oct 2019 18:03

Tgt Ion: 117 Resp: 18260
Ion Ratio Lower Upper
117 100
119 6.0 74.5 111.7#
121 0.0 24.2 36.4#

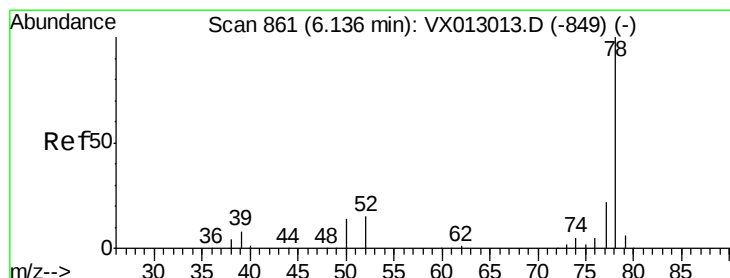
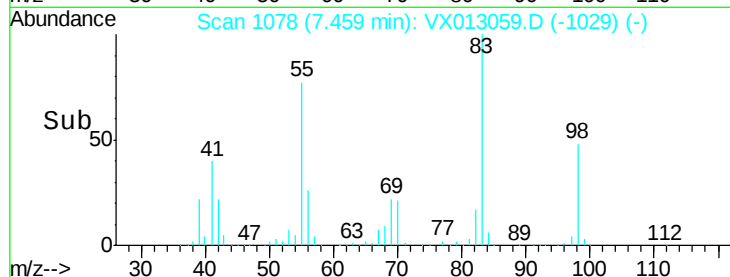
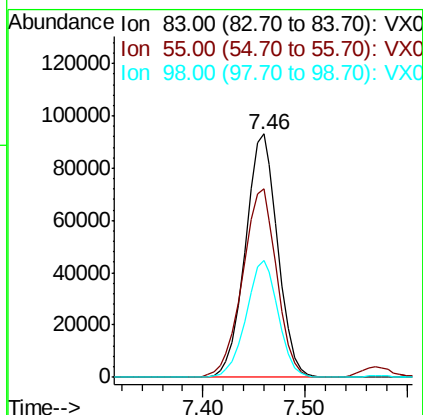
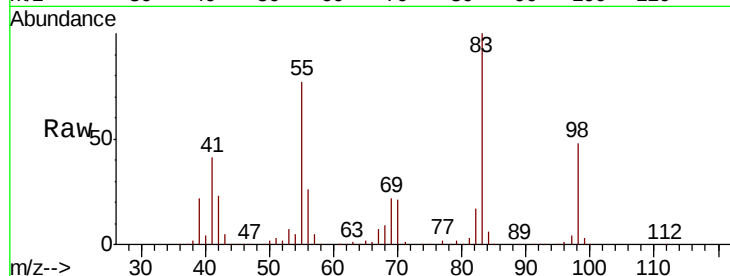




#39
Methvlcvclohexane
Concen: 68.460 ug/l
RT: 7.46 min Scan# 1078
Delta R.T. 0.00 min
Lab File: VX013059.D
Acq: 14 Oct 2019 18:03

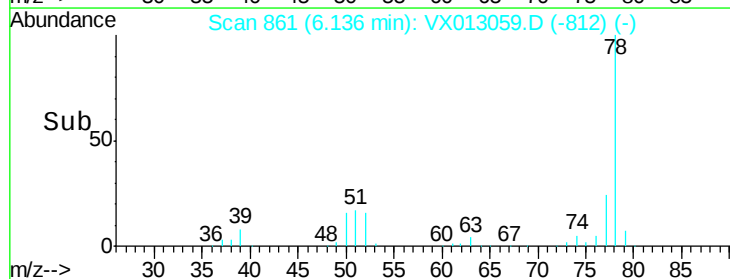
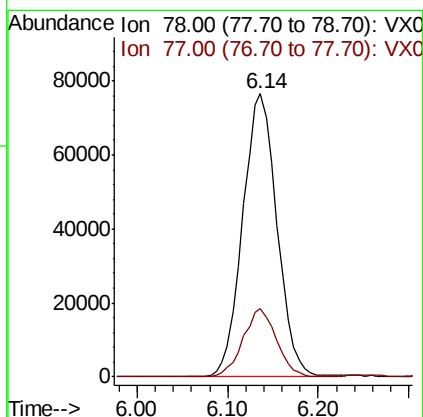
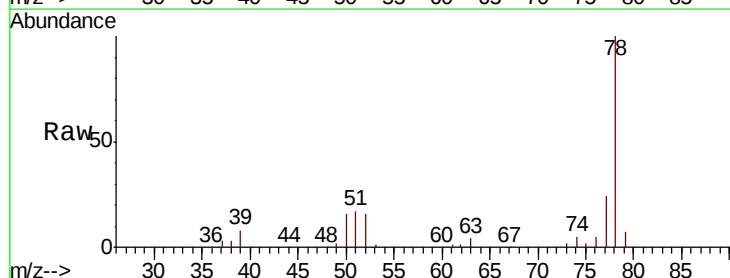
Instrument :
MSVOA_X
ClientSampleId :

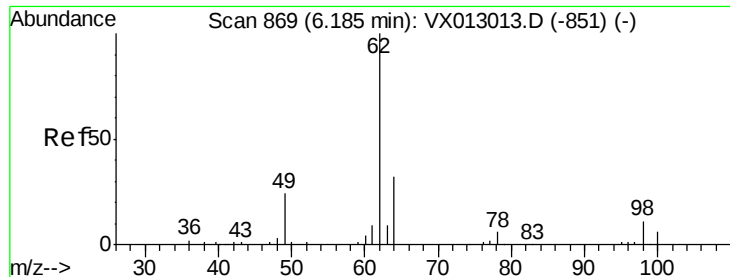
Tot Ion: 83 Resp: 205158
Ion Ratio Lower Upper
83 100
55 77.3 60.2 90.4
98 48.0 38.5 57.7



#40
Benzene
Concen: 27.461 ug/l
RT: 6.14 min Scan# 861
Delta R.T. 0.00 min
Lab File: VX013059.D
Acq: 14 Oct 2019 18:03

Tgt Ion: 78 Resp: 200420
Ion Ratio Lower Upper
78 100
77 24.0 19.0 28.4

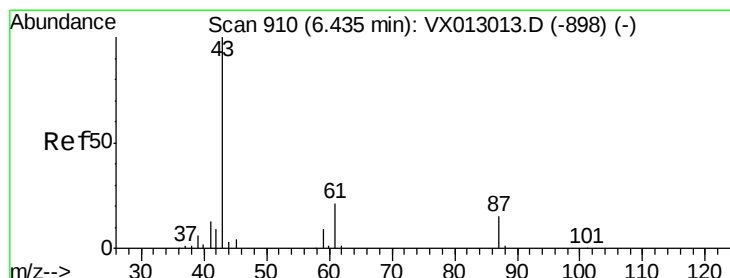
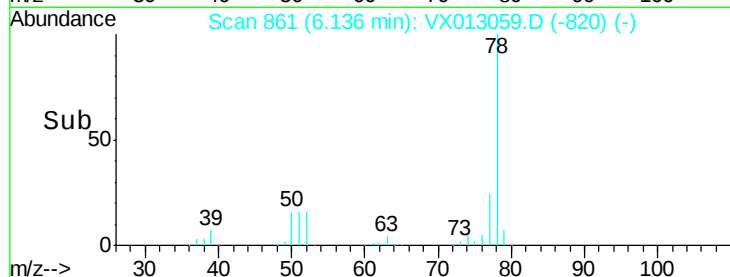
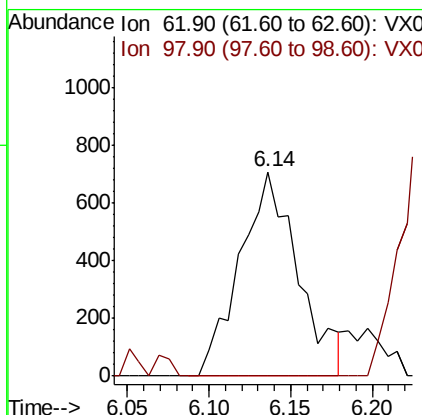
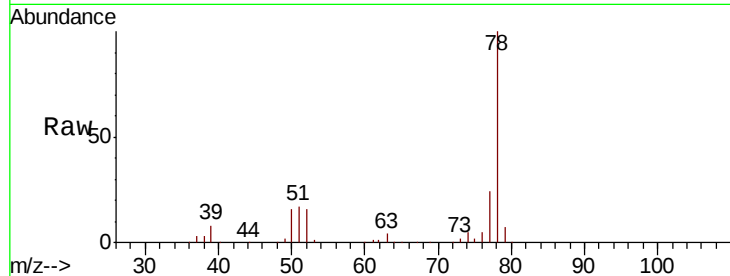




#42
1,2-Dichloroethane
Concen: 0.674 ug/l
RT: 6.14 min Scan# 861
Delta R.T. -0.05 min
Lab File: VX013059.D
Acq: 14 Oct 2019 18:03

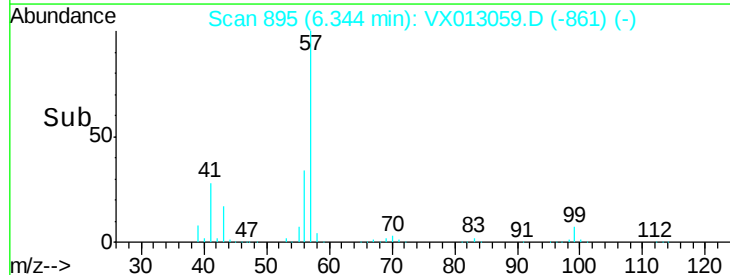
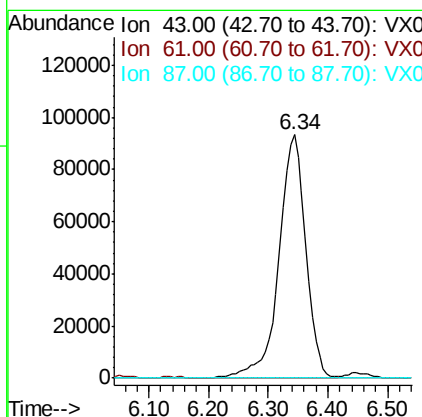
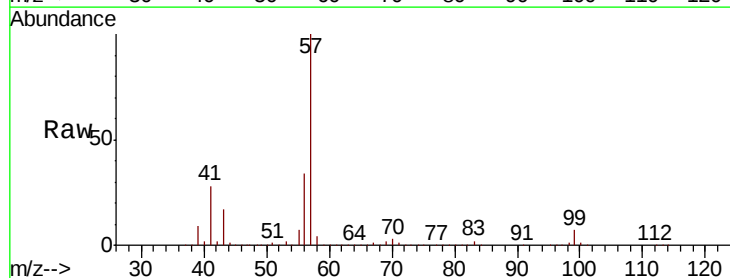
Instrument :
MSVOA_X
ClientSampled :

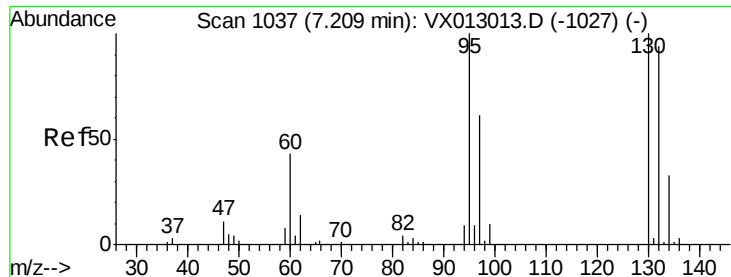
Tot Ion: 62 Resp: 1764
Ion Ratio Lower Upper
62 100
98 0.0 0.0 20.4



#43
Isopropyl Acetate
Concen: 65.615 ug/l
RT: 6.34 min Scan# 895
Delta R.T. -0.09 min
Lab File: VX013059.D
Acq: 14 Oct 2019 18:03

Tgt Ion: 43 Resp: 291000
Ion Ratio Lower Upper
43 100
61 0.1 16.6 24.8#
87 0.0 11.0 16.6#

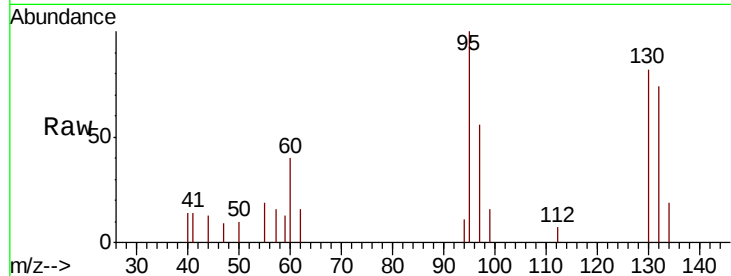




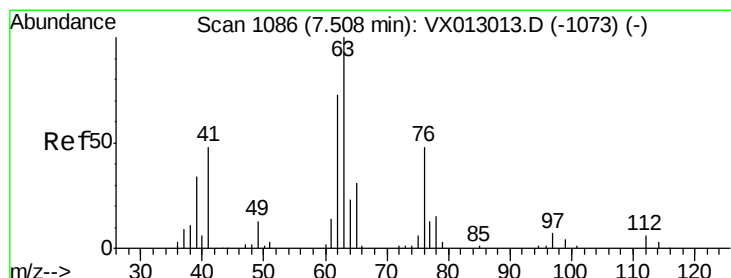
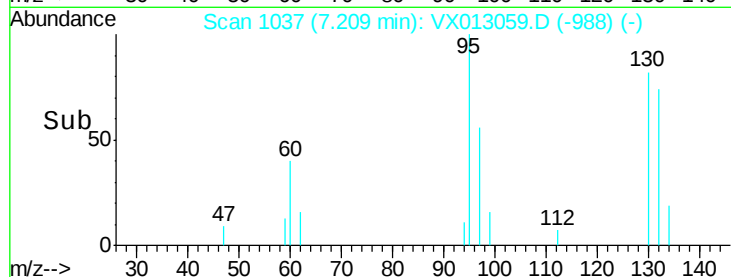
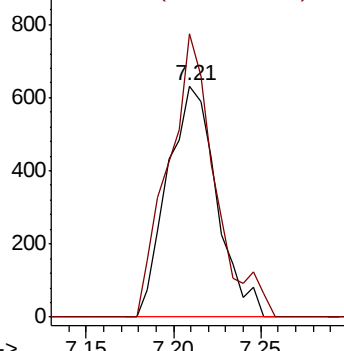
#44
 Trichloroethene
 Concen: 0.613 ug/l
 RT: 7.21 min Scan# 1037
 Delta R.T. 0.00 min
 Lab File: VX013059.D
 Acq: 14 Oct 2019 18:03

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:130 Resp: 1240
 Ion Ratio Lower Upper
 130 100
 95 122.5 0.0 189.2

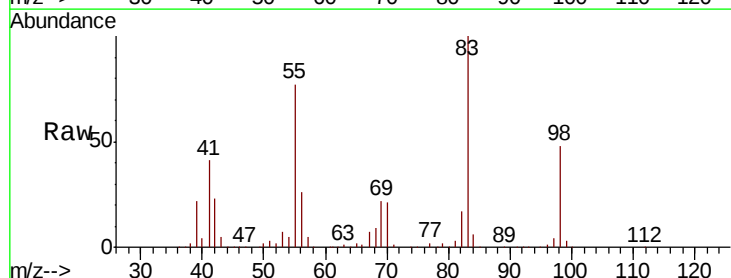


Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VX0

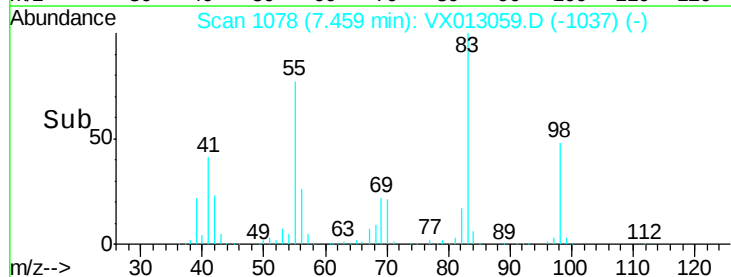
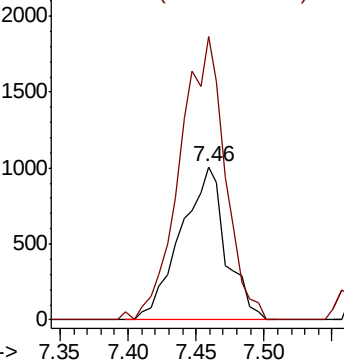


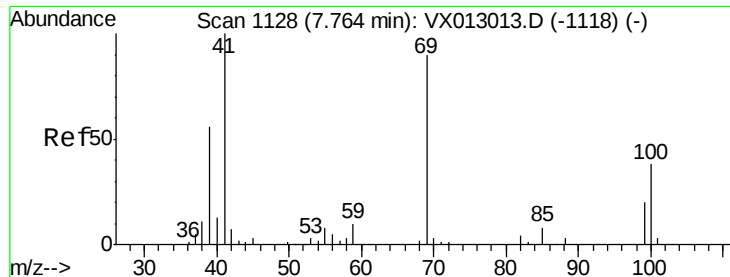
#45
 1,2-Dichloropropane
 Concen: 1.263 ug/l
 RT: 7.46 min Scan# 1078
 Delta R.T. -0.05 min
 Lab File: VX013059.D
 Acq: 14 Oct 2019 18:03

Tgt Ion: 63 Resp: 2349
 Ion Ratio Lower Upper
 63 100
 65 184.8 24.6 37.0#



Abundance Ion 62.90 (62.60 to 63.60): VX0
 Ion 64.90 (64.60 to 65.60): VX0

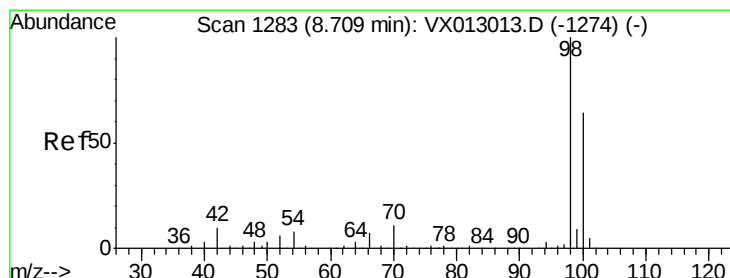
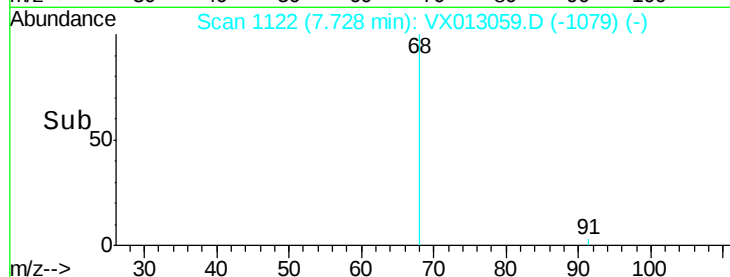
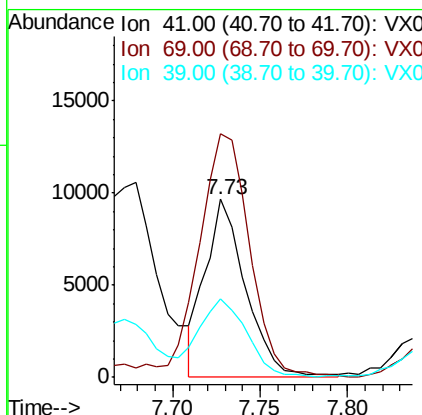
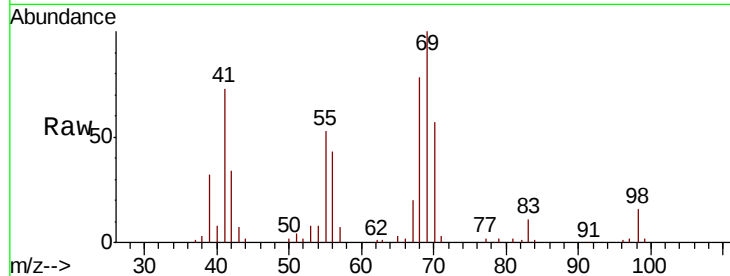




#48
Methyl methacrylate
Concen: 7.127 ug/l
RT: 7.73 min Scan# 1122
Delta R.T. -0.04 min
Lab File: VX013059.D
Acq: 14 Oct 2019 18:03

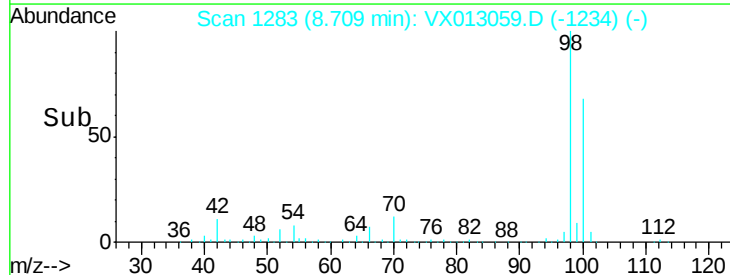
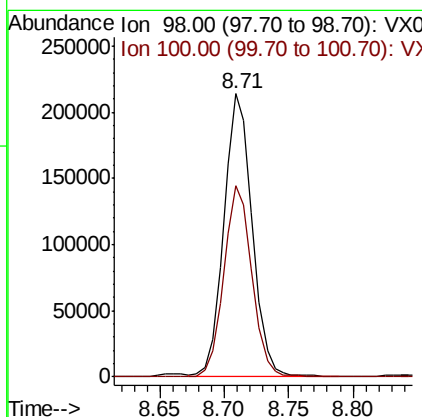
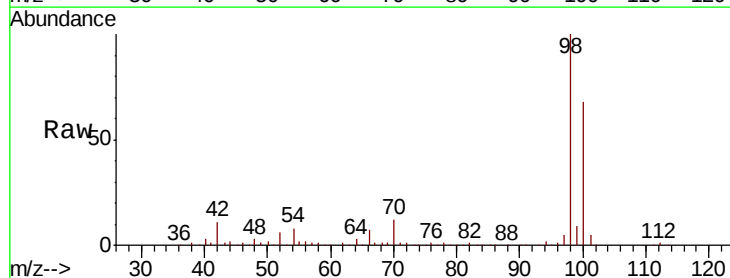
Instrument :
MSVOA_X
ClientSampleId :

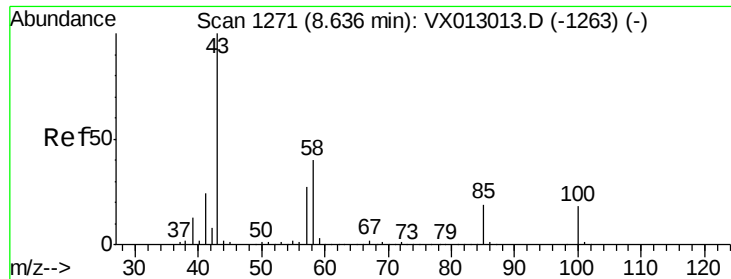
Tot Ion: 41 Resp: 15403
Ion Ratio Lower Upper
41 100
69 171.3 68.7 103.1#
39 52.6 44.3 66.5



#50
Toluene-d8
Concen: 52.196 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX013059.D
Acq: 14 Oct 2019 18:03

Tgt Ion: 98 Resp: 328395
Ion Ratio Lower Upper
98 100
100 67.4 53.4 80.2





#51

4-Methyl-2-Pentanone

Concen: 6.468 ug/l

RT: 8.67 min Scan# 1277

Delta R.T. 0.04 min

Lab File: VX013059.D

Acq: 14 Oct 2019 18:03

Instrument :

MSVOA_X

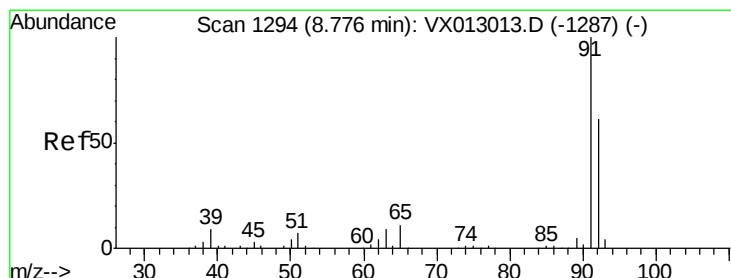
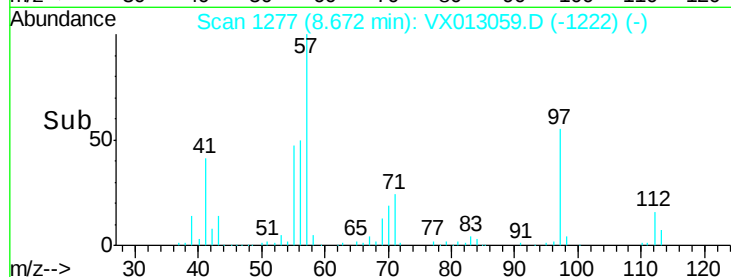
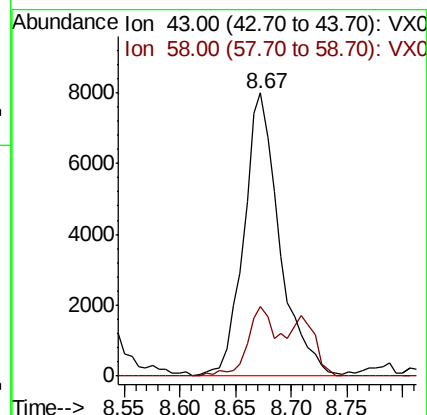
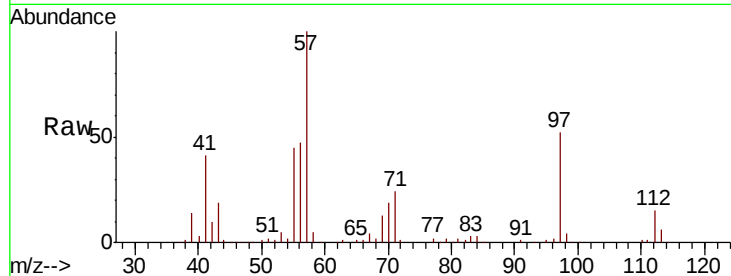
ClientSampleId :

Tot Ion: 43 Resp: 17885

Ion Ratio Lower Upper

43 100

58 21.4 32.4 48.6#



#52

Toluene

Concen: 3.661 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. 0.00 min

Lab File: VX013059.D

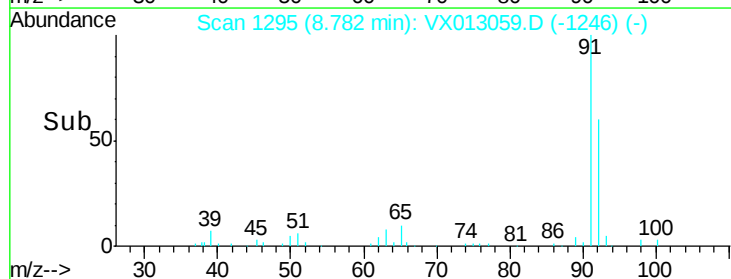
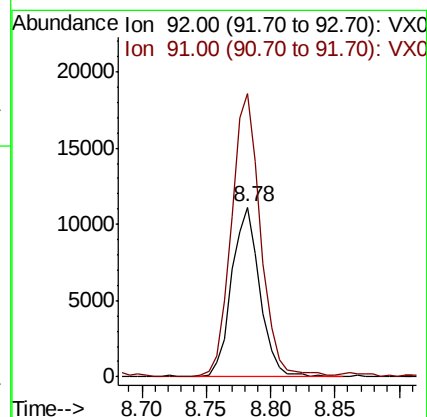
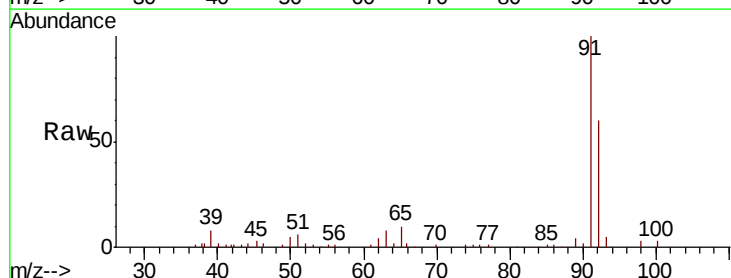
Acq: 14 Oct 2019 18:03

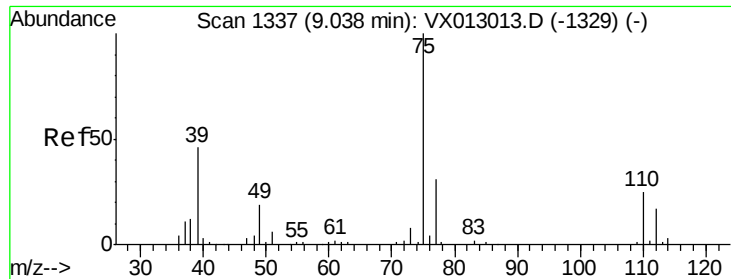
Tgt Ion: 92 Resp: 17095

Ion Ratio Lower Upper

92 100

91 172.9 135.9 203.9

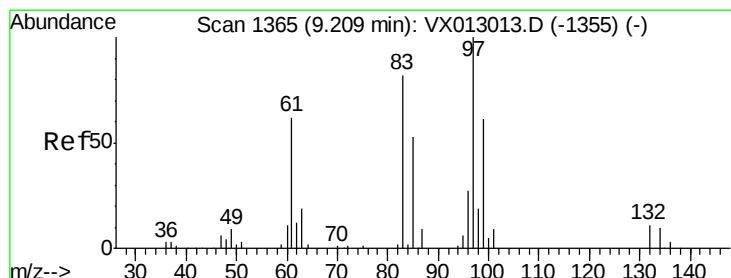
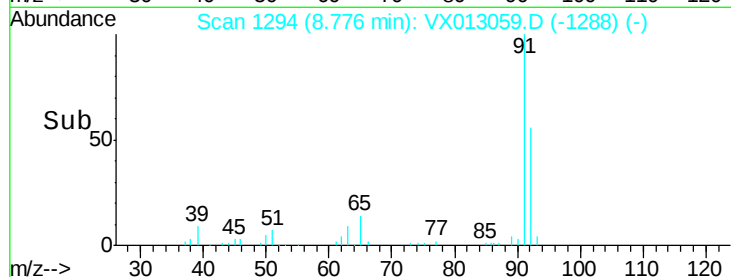
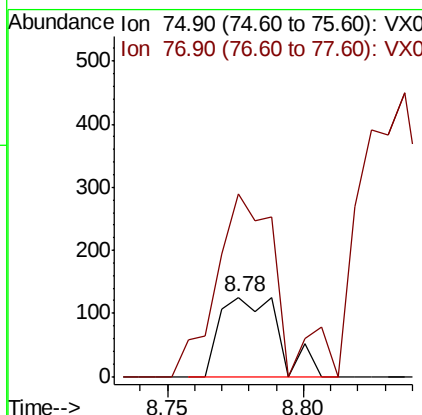
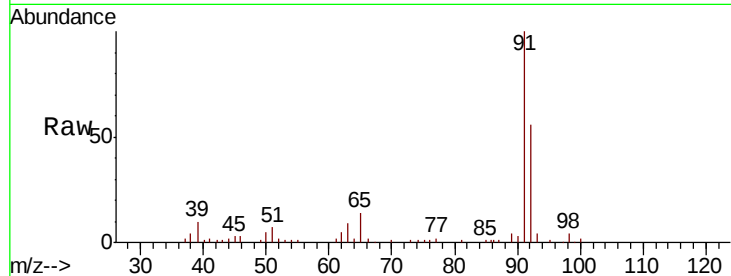




#53
t-1,3-Dichloropropene
Concen: 2.228 ug/l
RT: 8.78 min Scan# 1294
Delta R.T. -0.26 min
Lab File: VX013059.D
Acq: 14 Oct 2019 18:03

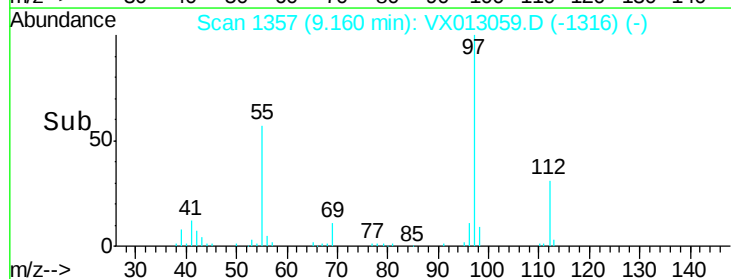
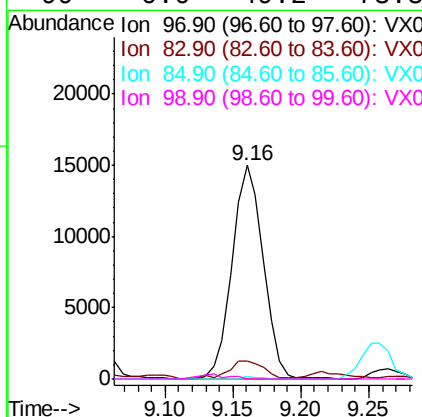
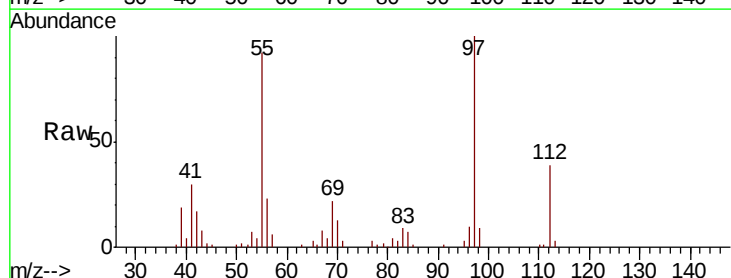
Instrument :
MSVOA_X
ClientSampleId :

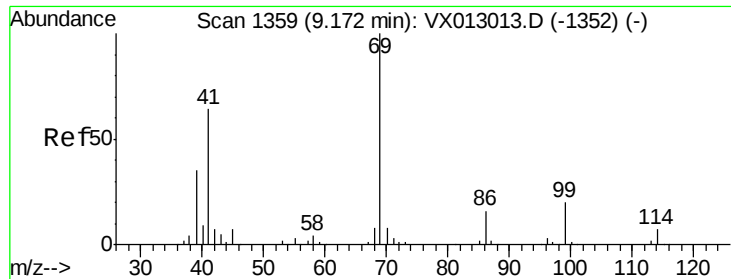
Tot Ion: 75 Resp: 188
Ion Ratio Lower Upper
75 100
77 229.4 25.8 38.6#



#55
1,1,2-Trichloroethane
Concen: 12.978 ug/l
RT: 9.16 min Scan# 1357
Delta R.T. -0.05 min
Lab File: VX013059.D
Acq: 14 Oct 2019 18:03

Tgt Ion: 97 Resp: 23980
Ion Ratio Lower Upper
97 100
83 8.6 66.5 99.7#
85 0.9 43.1 64.7#
99 0.0 49.2 73.8#

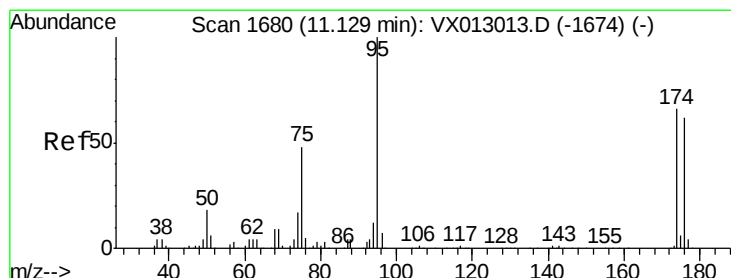
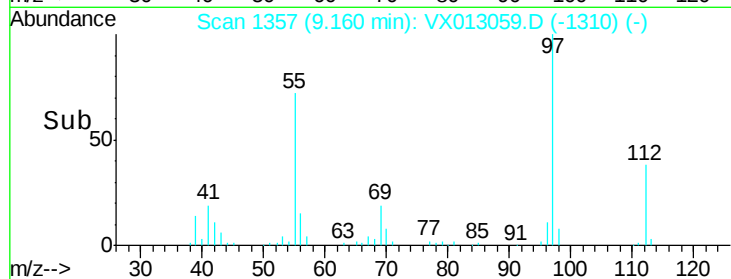
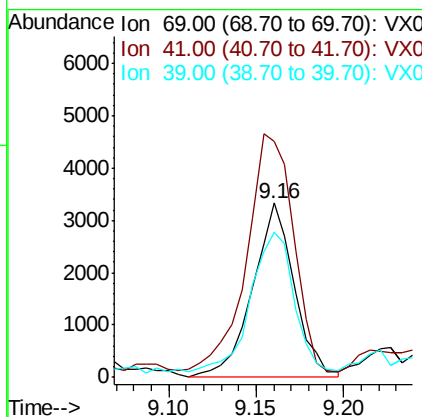
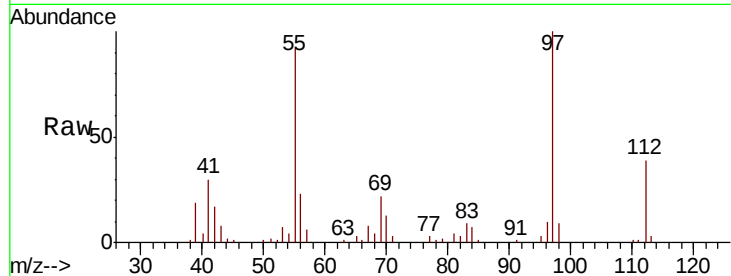




#56
Ethyl methacrylate
Concen: 3.443 ug/l
RT: 9.16 min Scan# 1357
Delta R.T. -0.01 min
Lab File: VX013059.D
Acq: 14 Oct 2019 18:03

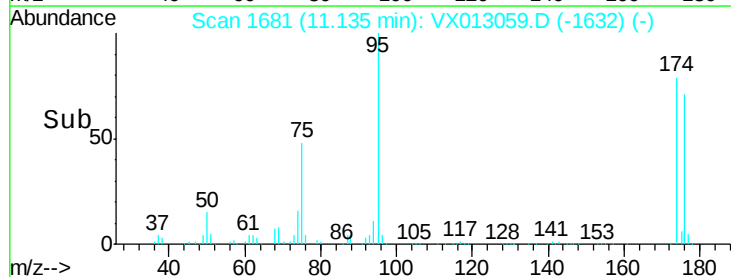
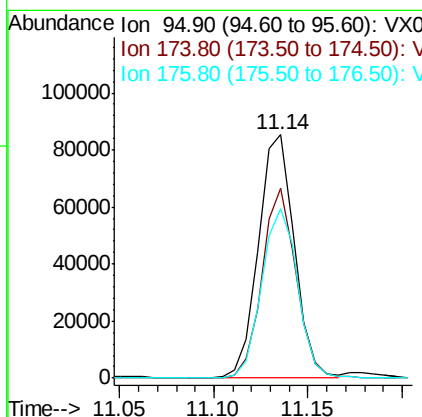
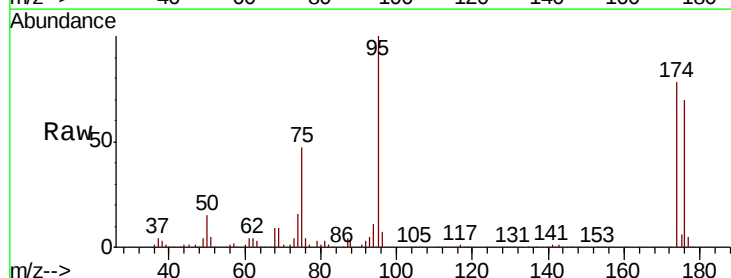
Instrument :
MSVOA_X
ClientSampleId :

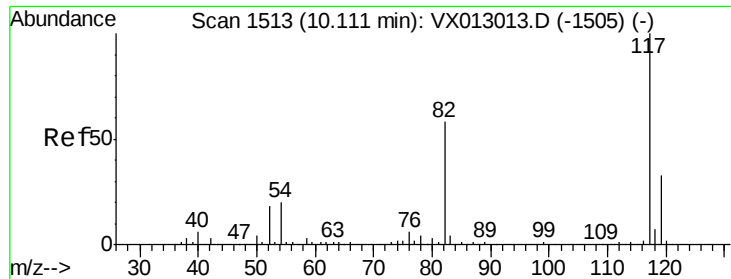
Tot Ion: 69 Resp: 5535
Ion Ratio Lower Upper
69 100
41 152.2 52.1 78.1#
39 83.9 27.8 41.8#



#62
4-Bromofluorobenzene
Concen: 45.947 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VX013059.D
Acq: 14 Oct 2019 18:03

Tgt Ion: 95 Resp: 112325
Ion Ratio Lower Upper
95 100
174 74.5 0.0 143.4
176 70.2 0.0 136.0

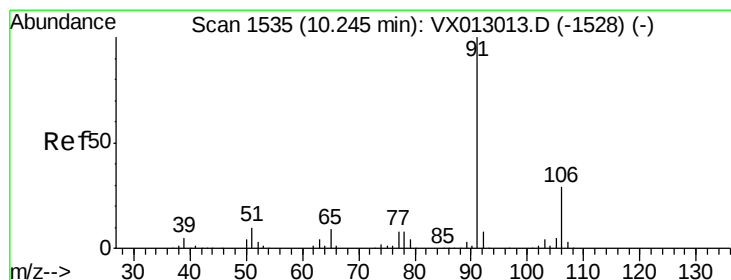
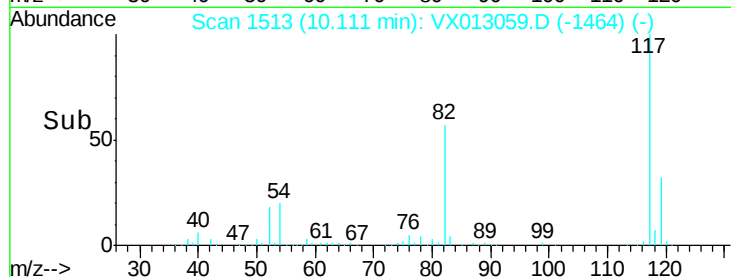
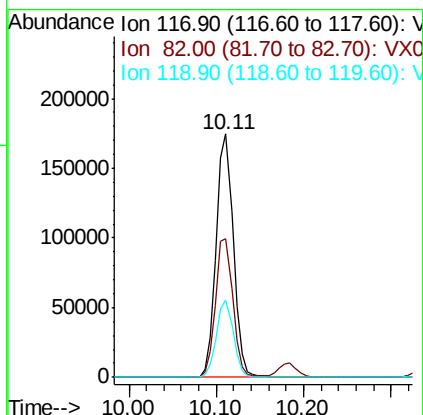
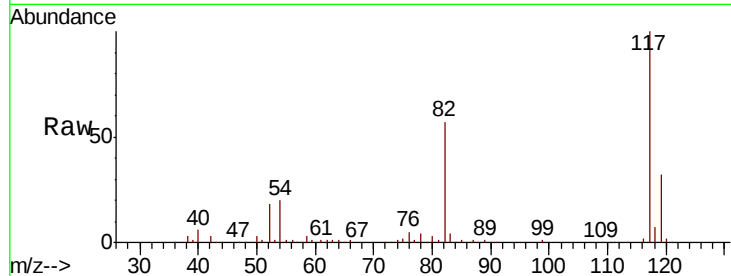




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX013059.D
Acq: 14 Oct 2019 18:03

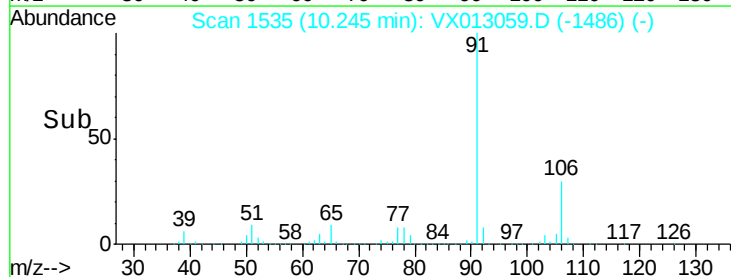
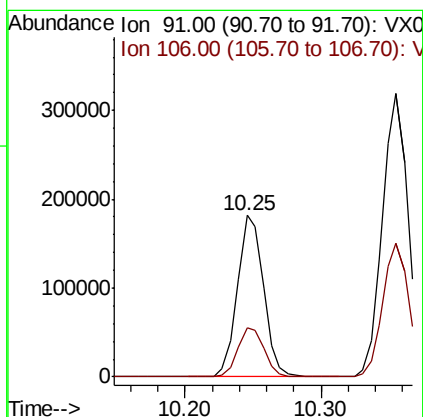
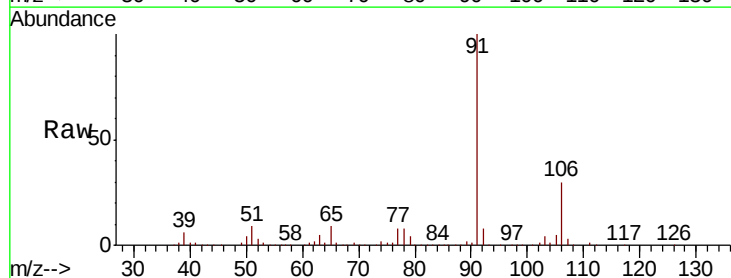
Instrument :
MSVOA_X
ClientSampleId :

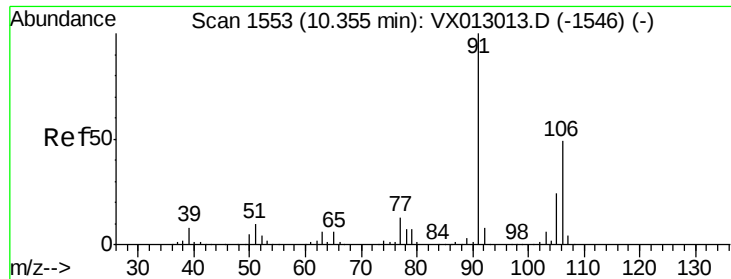
Tot Ion:117 Resp: 237484
Ion Ratio Lower Upper
117 100
82 57.0 44.1 66.1
119 31.9 25.8 38.8



#67
Ethyl Benzene
Concen: 28.998 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. 0.00 min
Lab File: VX013059.D
Acq: 14 Oct 2019 18:03

Tgt Ion: 91 Resp: 242920
Ion Ratio Lower Upper
91 100
106 30.3 23.9 35.9

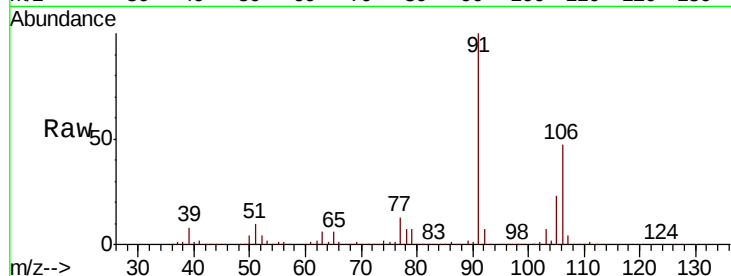




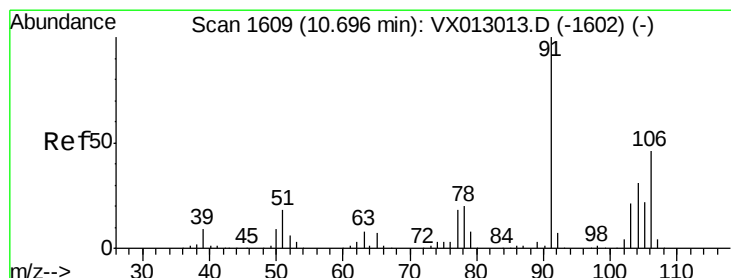
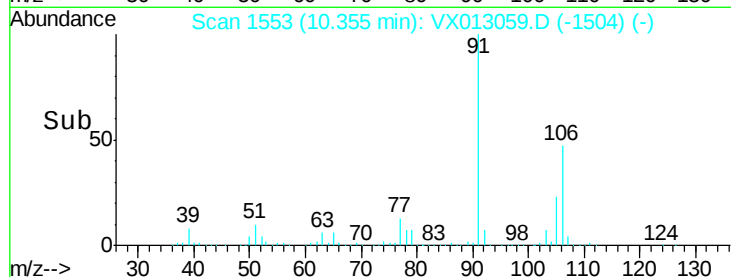
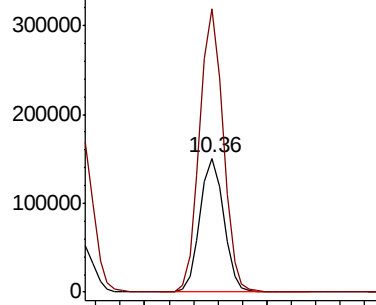
#68
m/p-Xylenes
Concen: 64.676 ug/l
RT: 10.36 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX013059.D
Acq: 14 Oct 2019 18:03

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:106 Resp: 202404
Ion Ratio Lower Upper
106 100
91 210.1 165.3 247.9

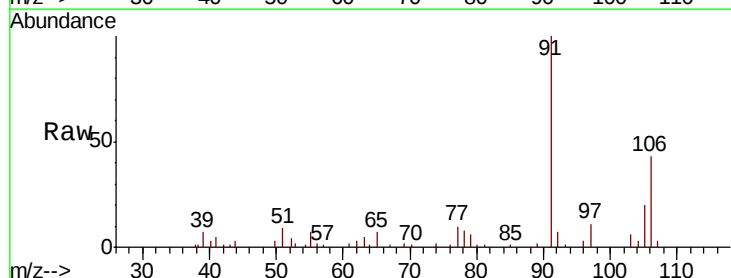


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

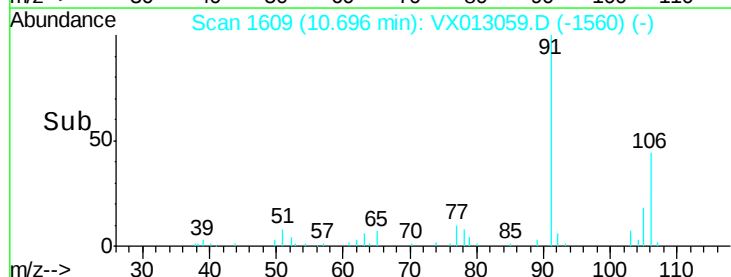
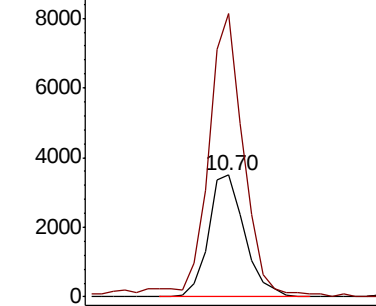


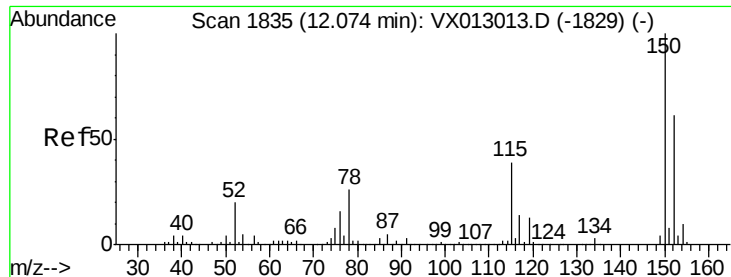
#69
o-Xylene
Concen: 1.523 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX013059.D
Acq: 14 Oct 2019 18:03

Tgt Ion:106 Resp: 4649
Ion Ratio Lower Upper
106 100
91 233.2 109.1 327.3



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: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX013059.D

Acq: 14 Oct 2019 18:03

Instrument :

MSVOA_X

ClientSampleId :

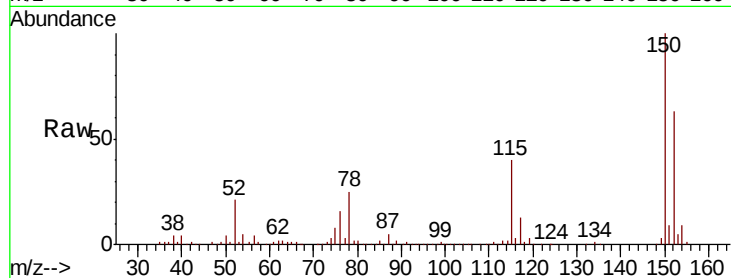
Tot Ion:152 Resp: 100835

Ion Ratio Lower Upper

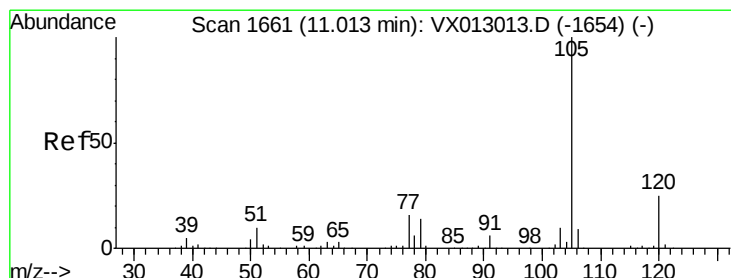
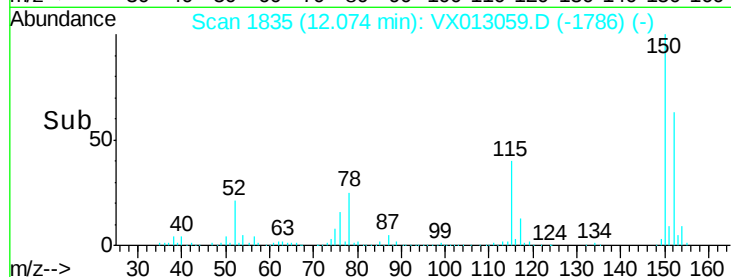
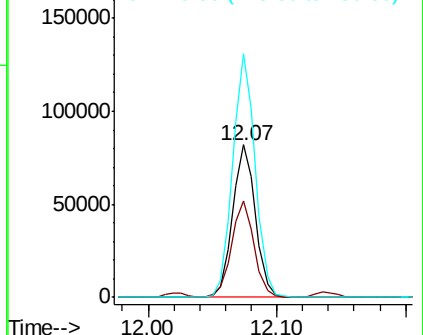
152 100

115 63.0 44.5 133.5

150 158.5 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: 12.910 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX013059.D

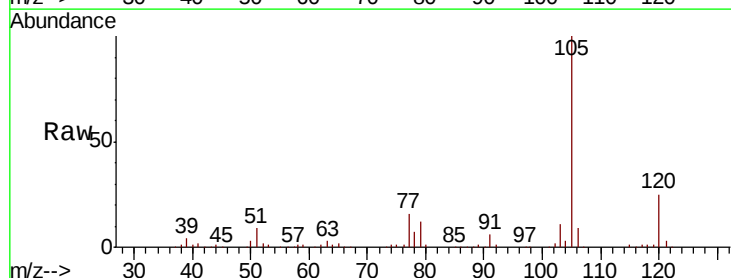
Acq: 14 Oct 2019 18:03

Tgt Ion:105 Resp: 95709

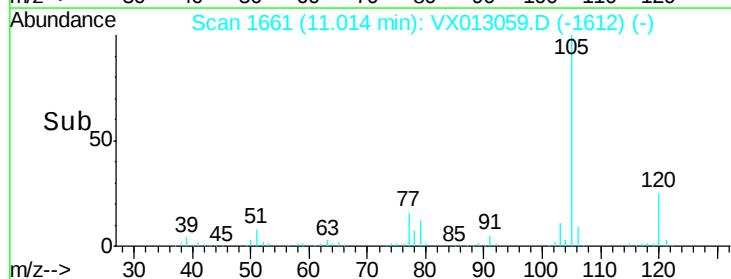
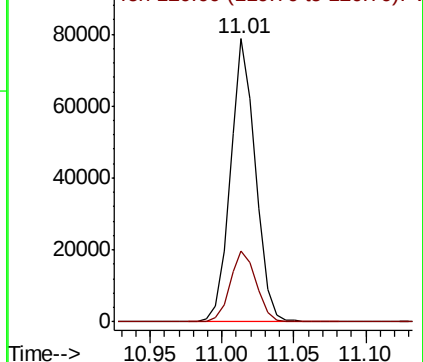
Ion Ratio Lower Upper

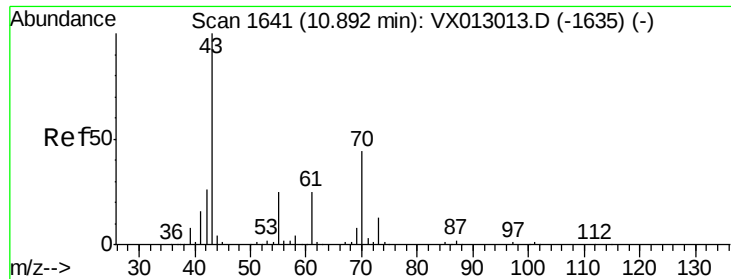
105 100

120 26.0 13.0 39.0



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 0.215 ug/l

RT: 10.91 min Scan# 1644

Delta R.T. 0.02 min

Lab File: VX013059.D

Acq: 14 Oct 2019 18:03

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 43 Resp: 686

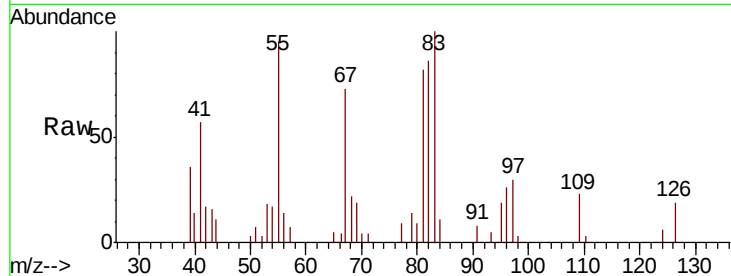
Ion Ratio Lower Upper

43 100

70 35.1 36.4 54.6#

55 630.6 20.2 30.2#

61 0.0 20.5 30.7#

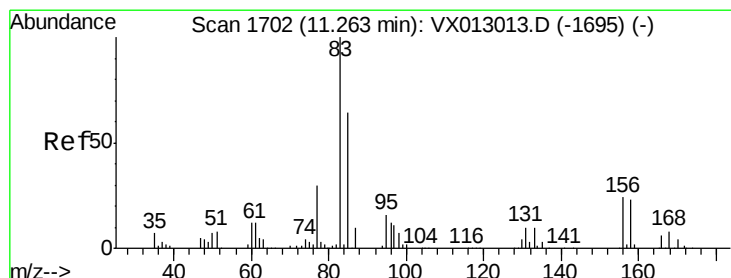
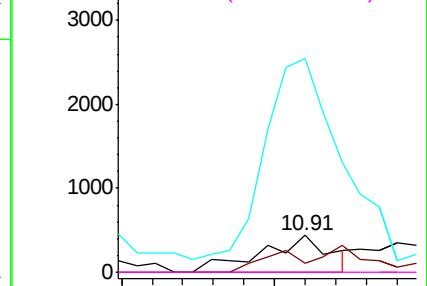
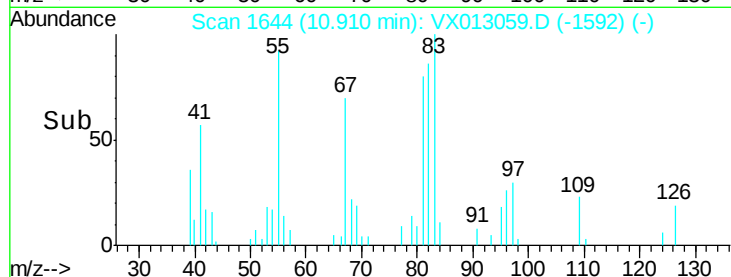


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



#75

1,1,2,2-Tetrachloroethane

Concen: 0.346 ug/l

RT: 11.28 min Scan# 1704

Delta R.T. 0.01 min

Lab File: VX013059.D

Acq: 14 Oct 2019 18:03

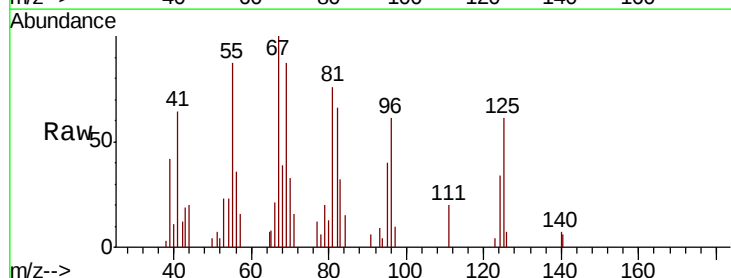
Tgt Ion: 83 Resp: 852

Ion Ratio Lower Upper

83 100

131 0.0 5.1 15.3#

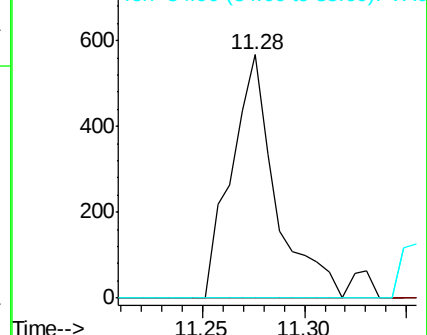
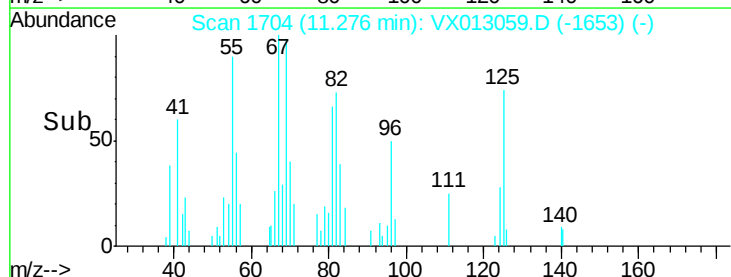
85 0.0 32.1 96.5#

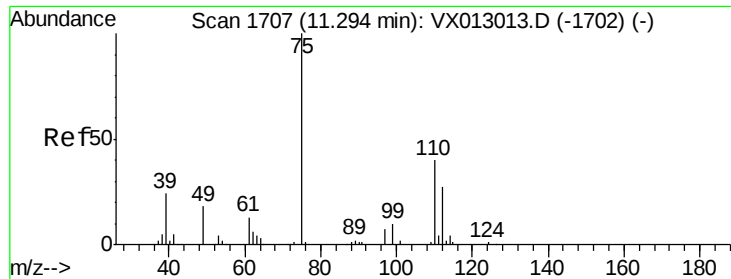


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0





#76

1,2,3-Trichloropropane

Concen: 23.900 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.15 min

Lab File: VX013059.D

Acq: 14 Oct 2019 18:03

Instrument :

MSVOA_X

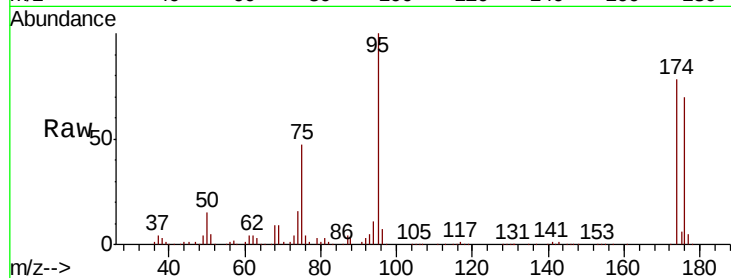
ClientSampleId :

Tot Ion: 75 Resp: 53452

Ion Ratio Lower Upper

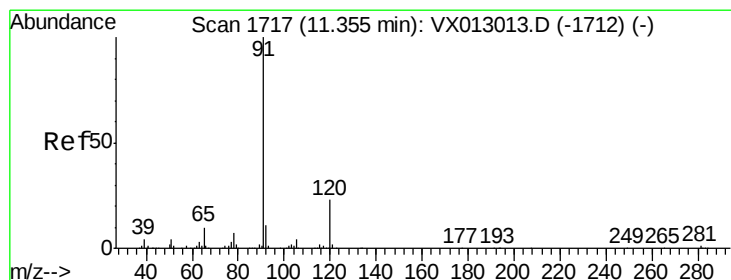
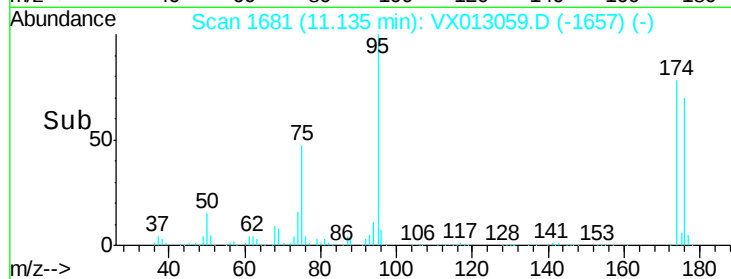
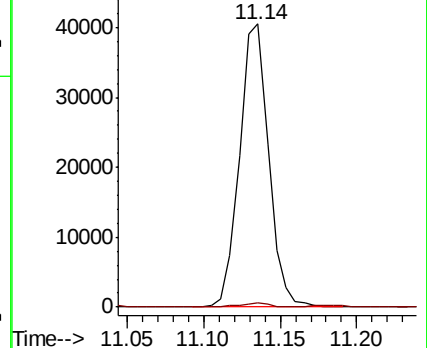
75 100

77 1.7 22.9 68.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



#78

n-propylbenzene

Concen: 14.528 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX013059.D

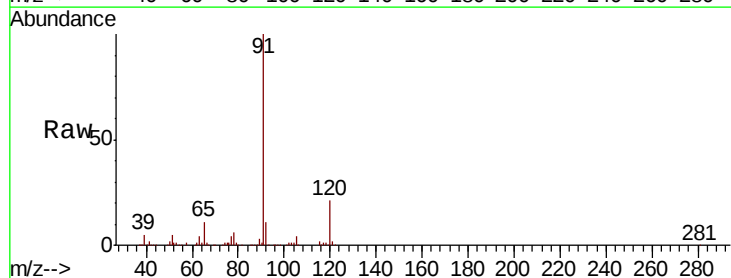
Acq: 14 Oct 2019 18:03

Tgt Ion: 91 Resp: 118516

Ion Ratio Lower Upper

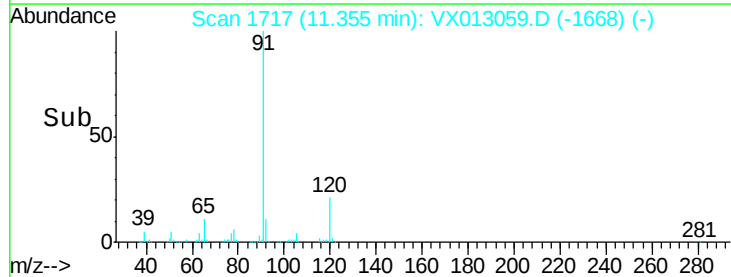
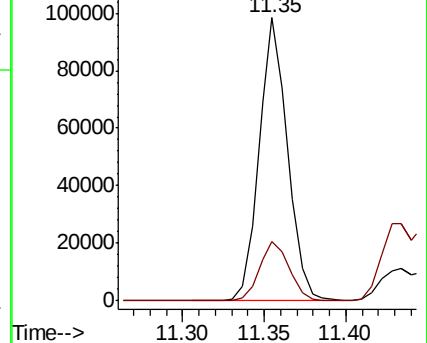
91 100

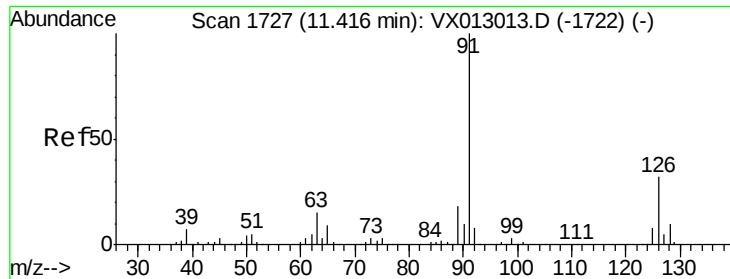
120 22.1 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

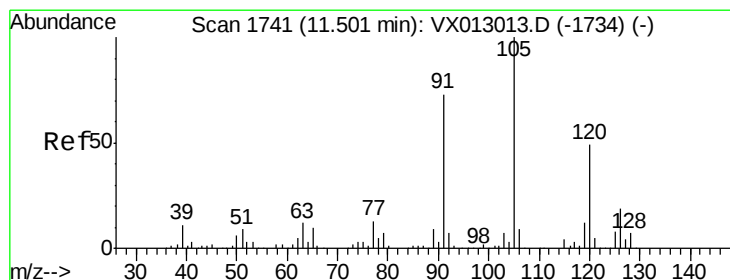
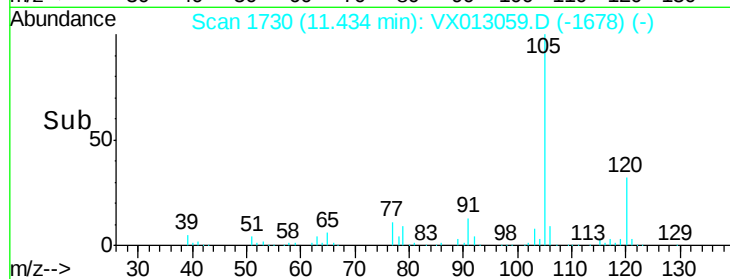
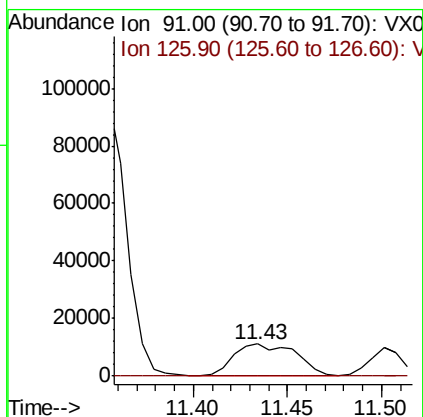
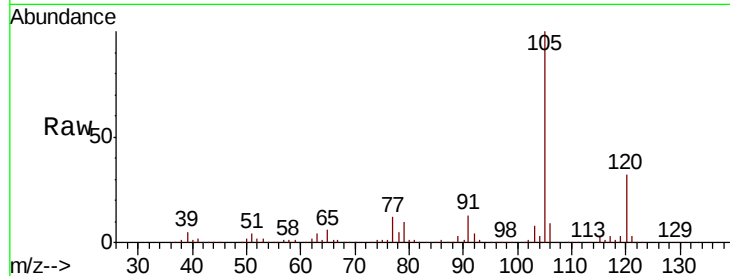




#79
 2-Chlorotoluene
 Concen: 5.054 ug/l
 RT: 11.43 min Scan# 1730
 Delta R.T. 0.02 min
 Lab File: VX013059.D
 Acq: 14 Oct 2019 18:03

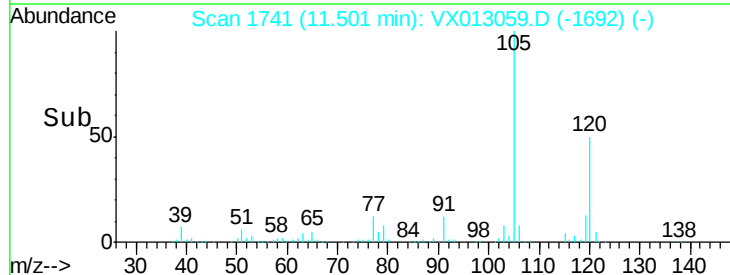
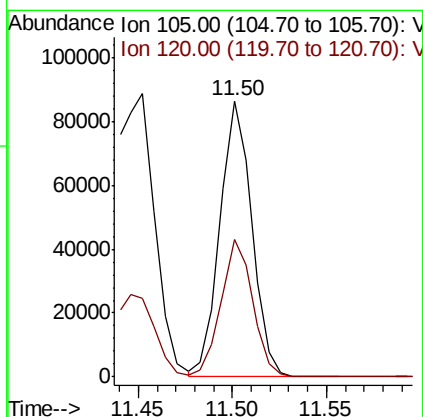
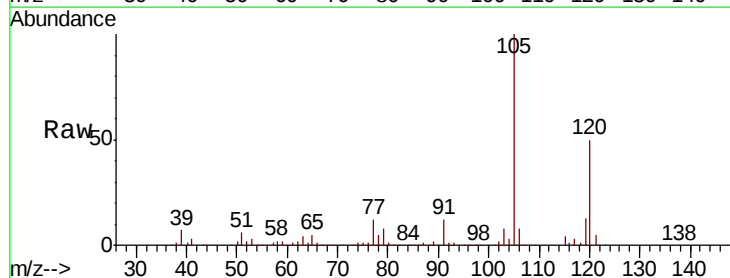
Instrument :
 MSVOA_X
 ClientSampleId :

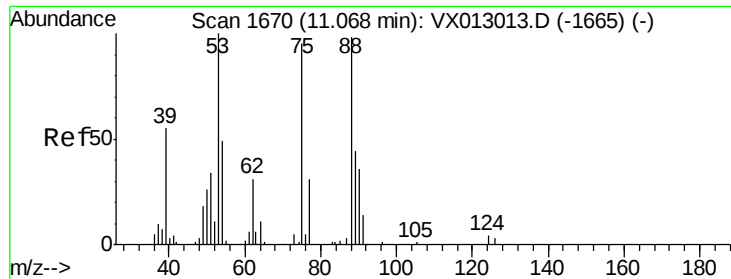
Tot Ion: 91 Resp: 25909
 Ion Ratio Lower Upper
 91 100
 126 0.3 16.3 48.8#



#80
 1,3,5-Trimethylbenzene
 Concen: 16.428 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX013059.D
 Acq: 14 Oct 2019 18:03

Tgt Ion: 105 Resp: 101696
 Ion Ratio Lower Upper
 105 100
 120 49.7 24.8 74.3

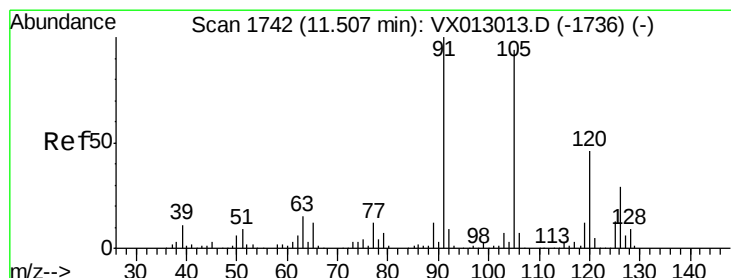
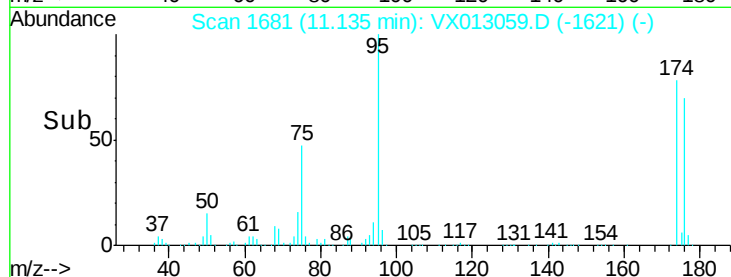
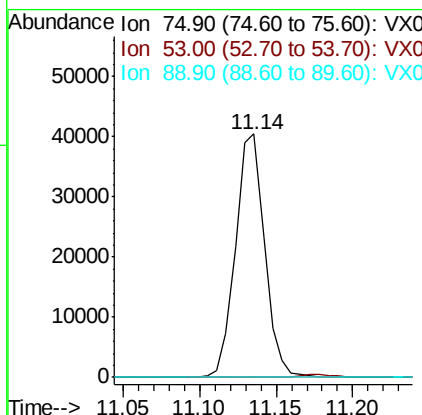
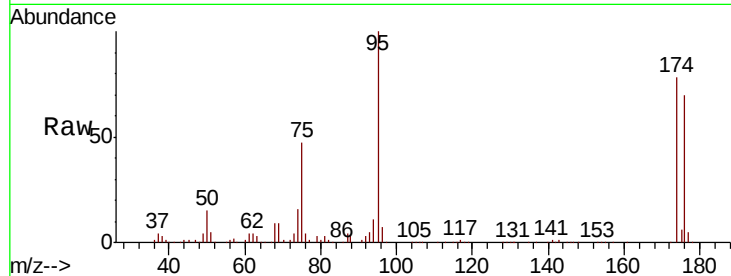




#81
trans-1,4-Dichloro-2-butene
Concen: 60.522 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.07 min
Lab File: VX013059.D
Acq: 14 Oct 2019 18:03

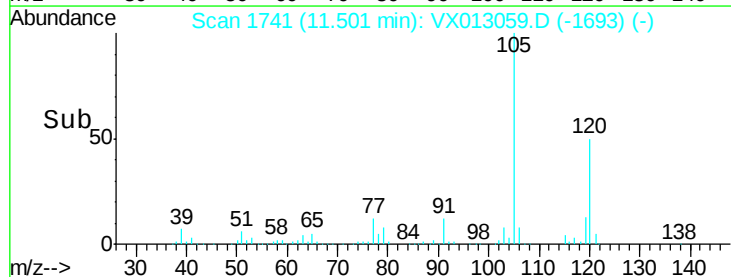
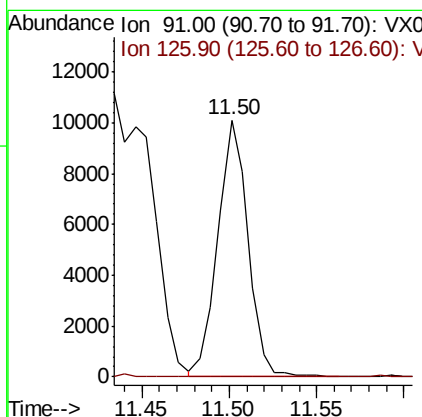
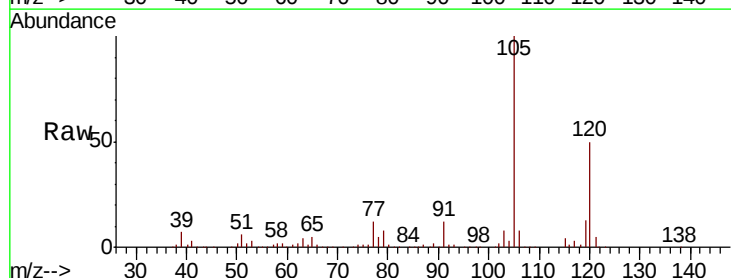
Instrument :
MSVOA_X
ClientSampleId :

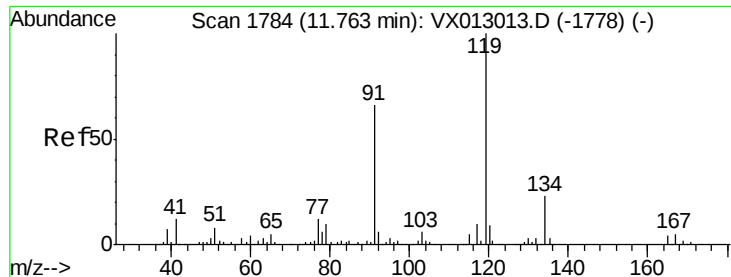
Tot Ion: 75 Resp: 53452
Ion Ratio Lower Upper
75 100
53 0.0 78.5 117.7#
89 0.0 37.4 56.2#



#82
4-Chlorotoluene
Concen: 2.064 ug/l
RT: 11.50 min Scan# 1741
Delta R.T. -0.01 min
Lab File: VX013059.D
Acq: 14 Oct 2019 18:03

Tgt Ion: 91 Resp: 12131
Ion Ratio Lower Upper
91 100
126 0.0 14.2 42.6#

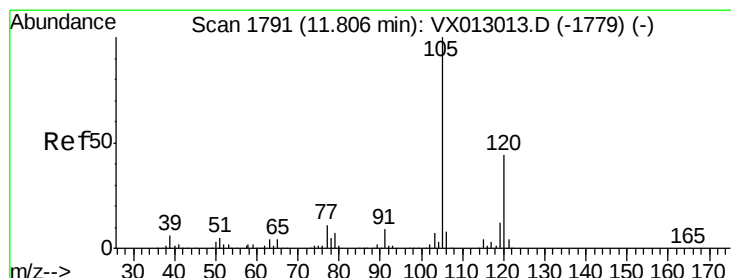
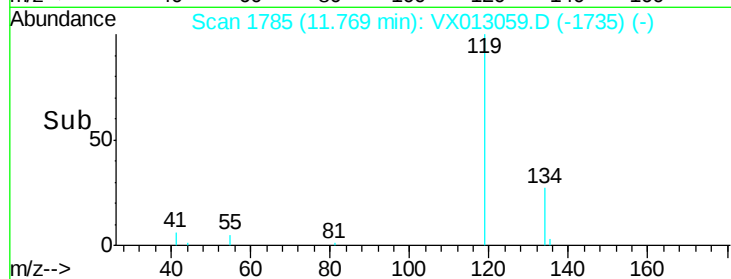
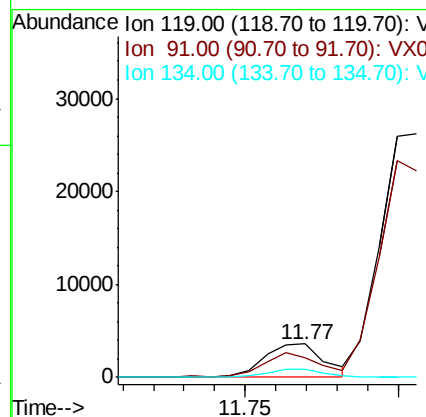
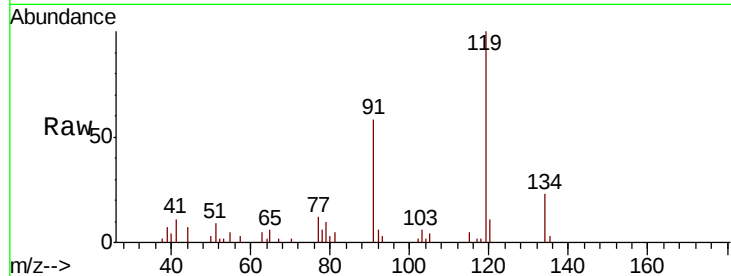




#83
 tert-Butylbenzene
 Concen: 0.815 ug/l
 RT: 11.77 min Scan# 1785
 Delta R.T. 0.01 min
 Lab File: VX013059.D
 Acq: 14 Oct 2019 18:03

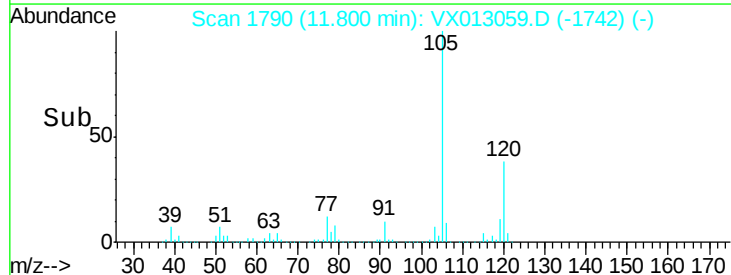
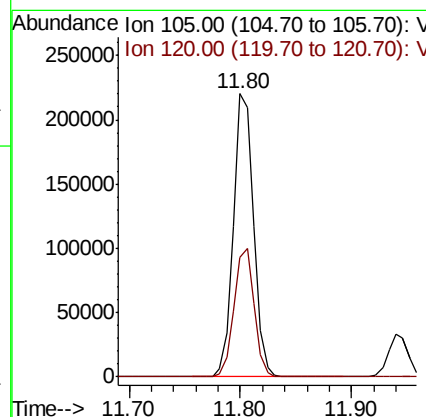
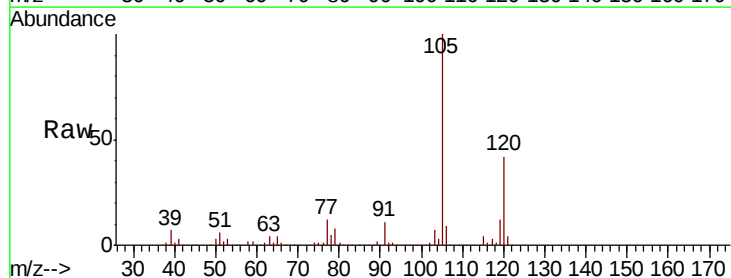
Instrument :
 MSVOA_X
 ClientSampleId :

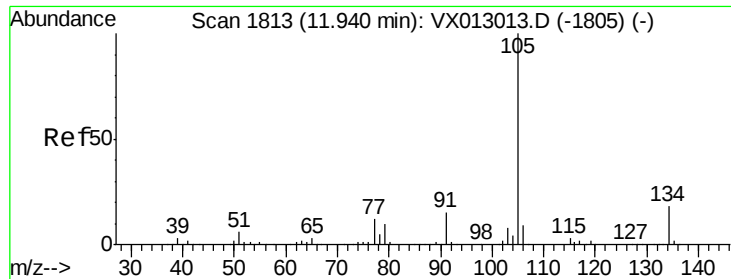
Tot Ion:119 Resp: 4920
 Ion Ratio Lower Upper
 119 100
 91 72.8 29.3 87.9
 134 22.5 11.5 34.4



#84
 1,2,4-Trimethylbenzene
 Concen: 43.878 ug/l
 RT: 11.80 min Scan# 1790
 Delta R.T. -0.01 min
 Lab File: VX013059.D
 Acq: 14 Oct 2019 18:03

Tgt Ion:105 Resp: 275092
 Ion Ratio Lower Upper
 105 100
 120 45.5 21.8 65.3





#85

sec-Butylbenzene

Concen: 5.967 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX013059.D

Acq: 14 Oct 2019 18:03

Instrument :

MSVOA_X

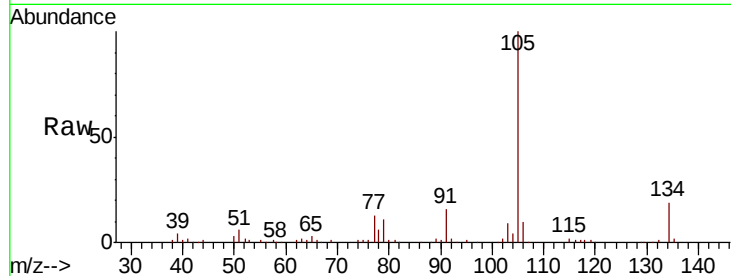
ClientSampleId :

Tot Ion:105 Resp: 41748

Ion Ratio Lower Upper

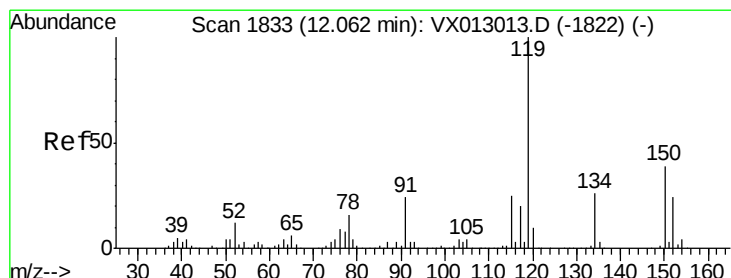
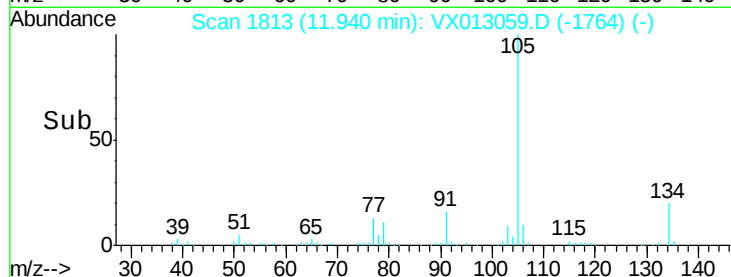
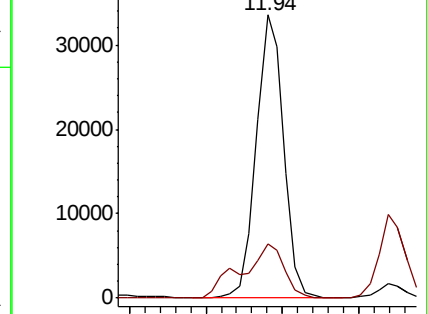
105 100

134 29.5 10.0 30.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 3.990 ug/l

RT: 12.06 min Scan# 1832

Delta R.T. -0.01 min

Lab File: VX013059.D

Acq: 14 Oct 2019 18:03

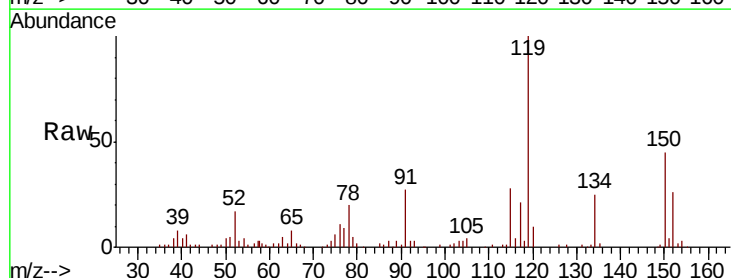
Tgt Ion:119 Resp: 25889

Ion Ratio Lower Upper

119 100

134 26.3 12.6 37.8

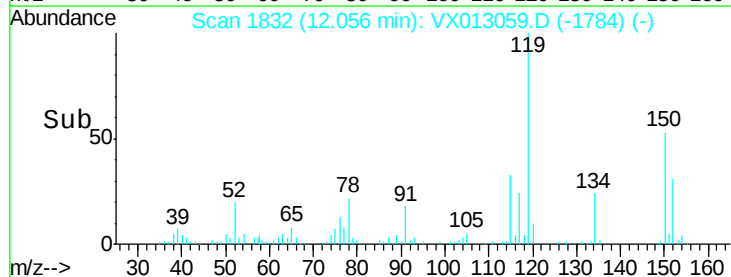
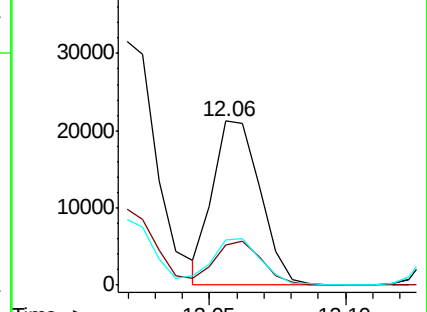
91 29.7 12.4 37.4

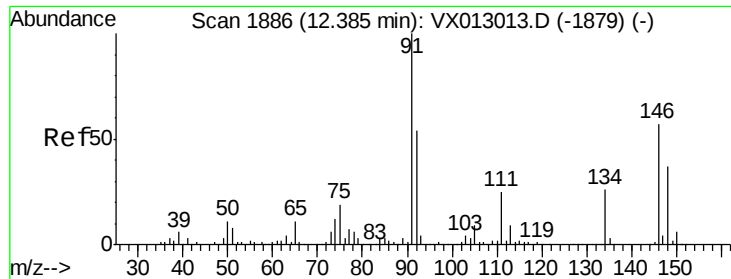


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#89

n-Butylbenzene

Concen: 4.057 ug/l

RT: 12.38 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VX013059.D

Acq: 14 Oct 2019 18:03

Instrument :

MSVOA_X

ClientSampleId :

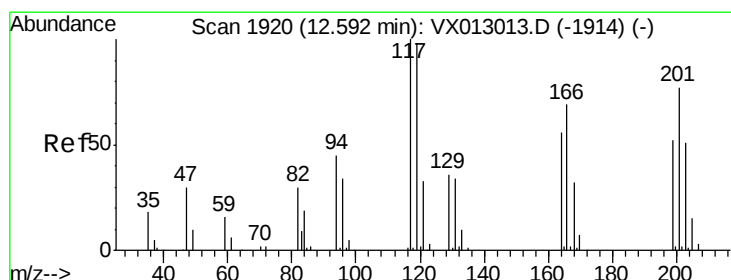
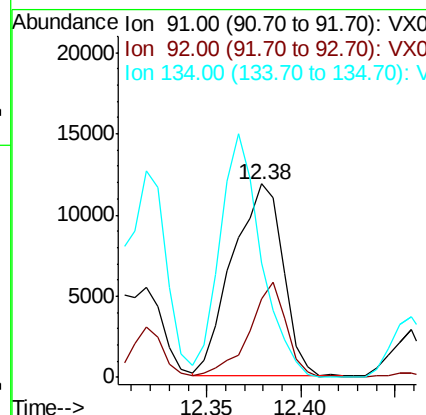
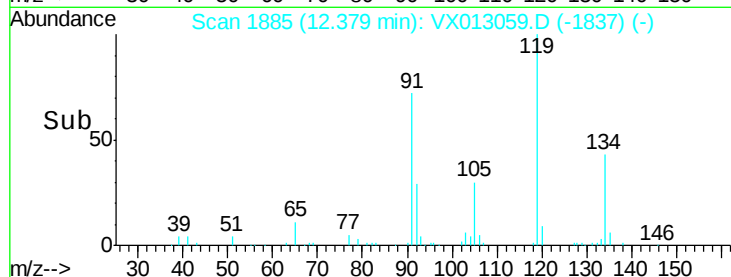
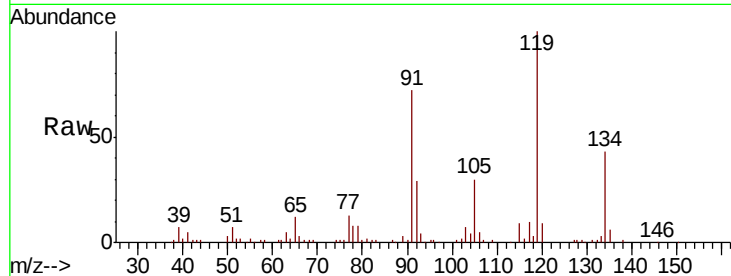
Tot Ion: 91 Resp: 22125

Ion Ratio Lower Upper

91 100

92 36.3 27.5 82.5

134 103.0 12.9 38.7#



#90

Hexachloroethane

Concen: 4.767 ug/l

RT: 12.58 min Scan# 1918

Delta R.T. -0.01 min

Lab File: VX013059.D

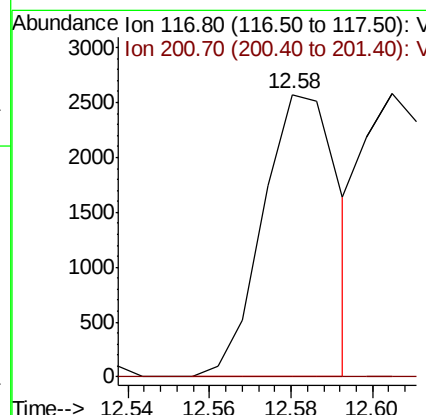
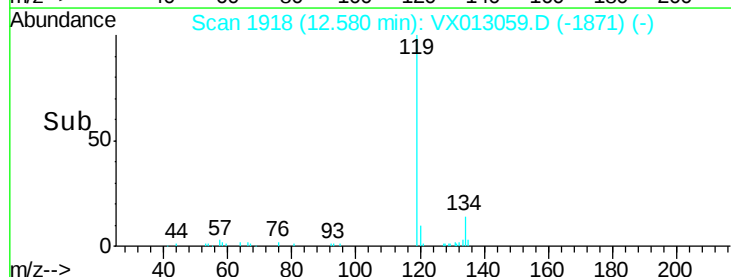
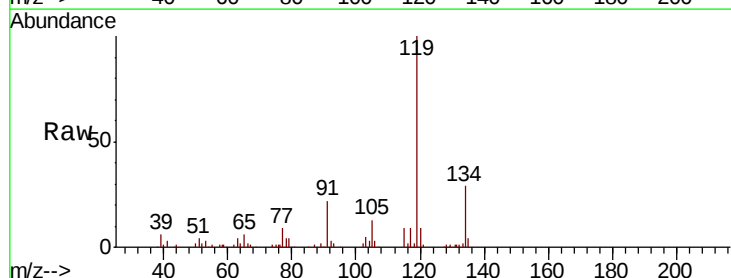
Acq: 14 Oct 2019 18:03

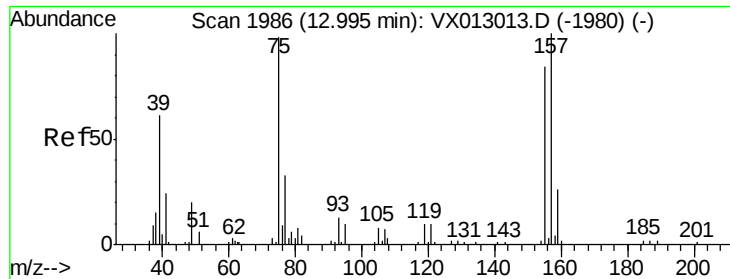
Tgt Ion: 117 Resp: 3324

Ion Ratio Lower Upper

117 100

201 0.0 36.9 110.7#

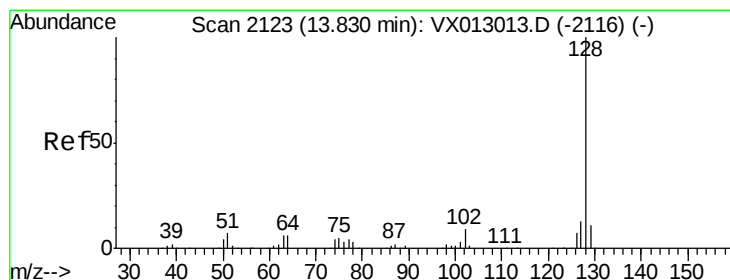
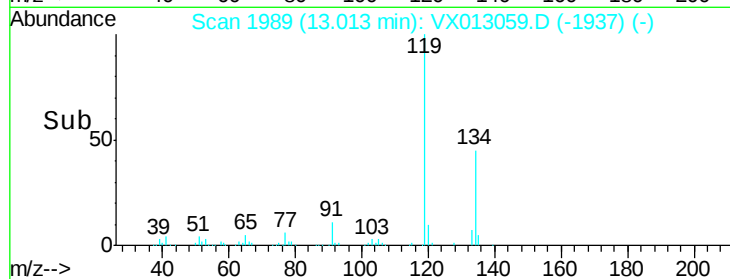
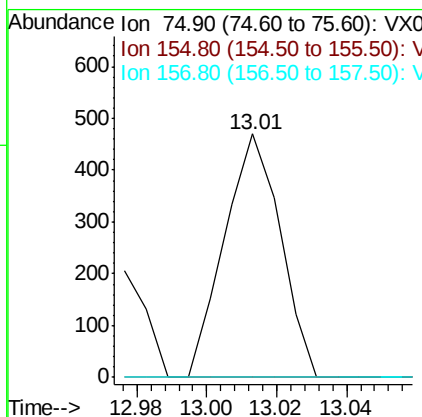
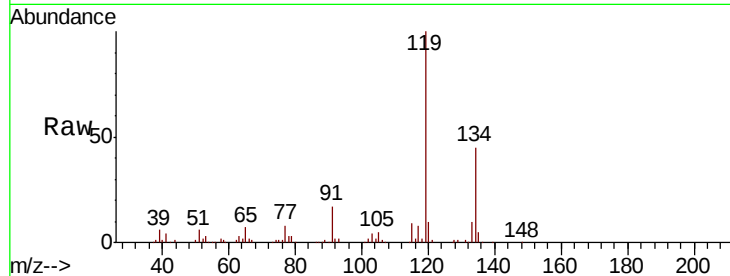




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.901 ug/l
 RT: 13.01 min Scan# 1989
 Delta R.T. 0.02 min
 Lab File: VX013059.D
 Acq: 14 Oct 2019 18:03

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 75 Resp: 521
 Ion Ratio Lower Upper
 75 100
 155 0.0 43.0 128.8#
 157 0.0 54.1 162.3#



#95
 Naphthalene
 Concen: 3.654 ug/l
 RT: 13.83 min Scan# 2123
 Delta R.T. 0.00 min
 Lab File: VX013059.D
 Acq: 14 Oct 2019 18:03

Tgt Ion: 128 Resp: 25236
 Ion Ratio Lower Upper
 128 100
 127 13.7 10.2 15.4
 129 15.0 8.8 13.2#

