

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101619\
 Data File : VX013097.D
 Acq On : 16 Oct 2019 15:51
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 17 03:12:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X101619W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Oct 17 03:05:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.00	128	31447	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	168702	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	157550	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.05	65	70960	29.43	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.10%
60) 4-Bromofluorobenzene	11.13	95	82636	29.97	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.90%
63) Toluene-d8	8.71	98	211564	29.43	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.10%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.19	85	35906	16.936 ug/l	96
3) Chloromethane	1.32	50	38970	18.726 ug/l	100
4) Vinyl Chloride	1.40	62	36638	17.650 ug/l	95
5) Bromomethane	1.63	94	20413	21.042 ug/l	98
6) Chloroethane	1.72	64	23620	18.508 ug/l	97
7) Trichlorofluoromethane	1.92	101	52077	17.074 ug/l	99
8) Diethyl Ether	2.18	74	23025	20.512 ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	32876	17.099 ug/l	98
10) 1,1-Dichloroethene	2.36	96	32907	17.397 ug/l	95
11) Methyl Iodide	2.50	142	37328	16.136 ug/l	99
12) Methyl Acetate	2.76	43	52584	19.880 ug/l	98
13) Acrolein	2.28	56	33659	88.434 ug/l	97
14) Acrylonitrile	3.12	53	109738	99.398 ug/l	99
15) Acetone	2.43	58	37899	96.967 ug/l	91
16) Carbon Disulfide	2.56	76	85818	16.777 ug/l	99
17) Allyl chloride	2.72	41	61050	19.020 ug/l	97
18) Methylene Chloride	2.84	84	42020	19.527 ug/l	97
19) trans-1,2-Dichloroethene	3.16	96	38786	19.151 ug/l	94
20) Diisopropyl ether	3.84	45	125039	20.304 ug/l	94
21) 1,1-Dichloroethane	3.68	63	69378	19.536 ug/l	98
22) cis-1,2-Dichloroethene	4.58	96	45682	19.626 ug/l	97
23) tert-Butyl Alcohol	3.03	59	52050	93.313 ug/l	100
24) Methyl tert-Butyl Ether	3.18	73	131023	20.324 ug/l	99
25) Chloroform	5.20	83	71190	19.386 ug/l	97
26) Cyclohexane	5.57	56	55070	17.065 ug/l #	98
29) 1,1-Dichloropropene	5.79	75	48983	19.035 ug/l	99
30) 2-Butanone	4.65	43	162172	106.993 ug/l	99
31) 2,2-Dichloropropane	4.56	77	56662	19.464 ug/l	98
32) 1,1,1-Trichloroethane	5.48	97	58502	19.434 ug/l	99
33) Carbon Tetrachloride	5.78	117	48324	18.711 ug/l	92
34) Benzene	6.13	78	158622	20.764 ug/l	98
35) Methacrylonitrile	5.02	41	32564	21.909 ug/l	96
36) 1,2-Dichloroethane	6.18	62	60211	21.799 ug/l	100
37) Trichloroethene	7.20	130	41009	20.093 ug/l	97
38) Methylcyclohexane	7.45	83	57504	18.258 ug/l	100
39) 1,2-Dichloropropane	7.50	63	40962	21.351 ug/l	98
40) Dibromomethane	7.65	93	28501	21.876 ug/l	95

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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 Response via : Initial Calibration

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

41) Bromodichloromethane	7.89	83	52967	20.476	ug/l	99
42) Vinyl Acetate	3.80	43	542142	109.224	ug/l	100
43) Ethyl Acetate	4.81	43	58985	21.624	ug/l #	83
44) Isopropyl Acetate	6.43	43	96597	21.959	ug/l	99
45) 1,4-Dioxane	7.73	88	23366	432.200	ug/l	99
46) Methyl methacrylate	7.76	41	45638	21.227	ug/l	92
47) n-amyl Acetate	10.89	43	77104	20.587	ug/l	98
48) t-1,3-Dichloropropene	9.03	75	59259	20.698	ug/l	95
49) cis-1,3-Dichloropropene	8.43	75	64981	20.574	ug/l	97
50) 1,1,2-Trichloroethane	9.21	97	41382	21.046	ug/l	99
51) Ethyl methacrylate	9.17	69	65510	21.184	ug/l	99
52) 1,3-Dichloropropane	9.37	76	71167	21.566	ug/l	99
53) Dibromochloromethane	9.57	129	41244	20.426	ug/l	98
54) 1,2-Dibromoethane	9.67	107	44359	21.449	ug/l	98
55) 2-Chloroethyl vinyl ether	8.30	63	140666	103.393	ug/l	99
56) Bromoform	10.85	173	26918	19.157	ug/l	97
58) 4-Methyl-2-Pentanone	8.63	43	293515	102.387	ug/l	100
59) 2-Hexanone	9.48	43	227693	101.783	ug/l	99
61) Tetrachloroethene	9.33	164	38961	19.410	ug/l	92
62) Toluene	8.78	91	169762	19.827	ug/l	99
64) Chlorobenzene	10.14	112	108156	19.876	ug/l	98
65) 1,1,1,2-Tetrachloroethane	10.21	131	39303	19.665	ug/l	98
66) Ethyl Benzene	10.25	91	190140	19.457	ug/l	97
67) m/p-Xylenes	10.36	106	144967	39.430	ug/l	98
68) o-Xylene	10.69	106	70789	19.772	ug/l	100
69) Styrene	10.71	104	121203	19.665	ug/l	99
70) Isopropylbenzene	11.01	105	182117	19.045	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.26	83	62339	20.032	ug/l	99
72) 1,2,3-Trichloropropane	11.29	75	71943	27.803	ug/l	80
73) Bromobenzene	11.25	156	45611	19.999	ug/l	96
74) n-propylbenzene	11.35	91	204188	19.117	ug/l	99
75) 2-Chlorotoluene	11.42	91	125722	19.214	ug/l	98
76) 1,3,5-Trimethylbenzene	11.50	105	155306	19.087	ug/l	98
77) t-1,4-Dichloro-2-butene	11.07	75	18933	18.907	ug/l	97
78) 4-Chlorotoluene	11.51	91	143108	18.914	ug/l	98
79) tert-butylbenzene	11.76	119	138090	18.041	ug/l	97
80) 1,2,4-Trimethylbenzene	11.81	105	154733	19.068	ug/l	97
81) sec-Butylbenzene	11.94	105	161248	17.488	ug/l	100
82) p-Isopropyltoluene	12.06	119	152163	18.097	ug/l	100
83) 1,3-Dichlorobenzene	12.02	146	81324	19.673	ug/l	98
84) 1,4-Dichlorobenzene	12.09	146	79861	19.208	ug/l	98
85) n-Butylbenzene	12.39	91	125175	17.442	ug/l	98
86) Hexachloroethane	12.59	117	24778	17.006	ug/l	91
87) 1,2-Dichlorobenzene	12.39	146	78916	19.356	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	12.99	75	13931	19.495	ug/l	95
89) 1,2,4-Trichlorobenzene	13.64	180	47614	18.718	ug/l	100
90) Hexachlorobutadiene	13.78	225	20971	17.369	ug/l	95
91) Naphthalene	13.83	128	161817	18.703	ug/l	99
92) 1,2,3-Trichlorobenzene	14.01	180	49138	19.285	ug/l	97

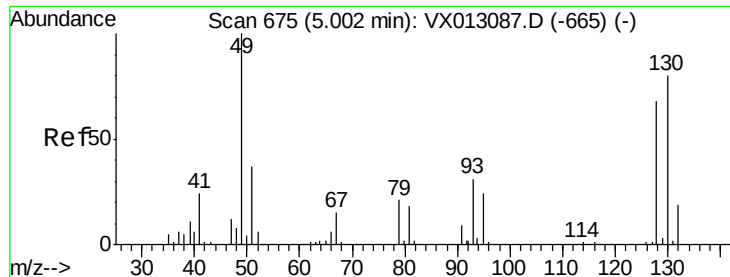
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QLast Update : Thu Oct 17 03:05:35 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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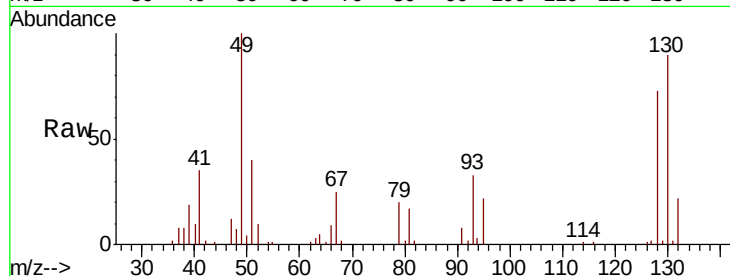
(#) = qualifier out of range (m) = manual integration (+) = signals summed



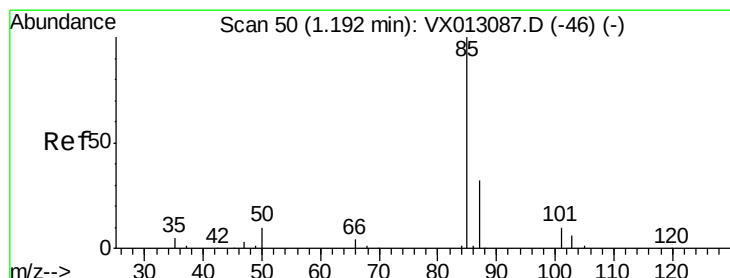
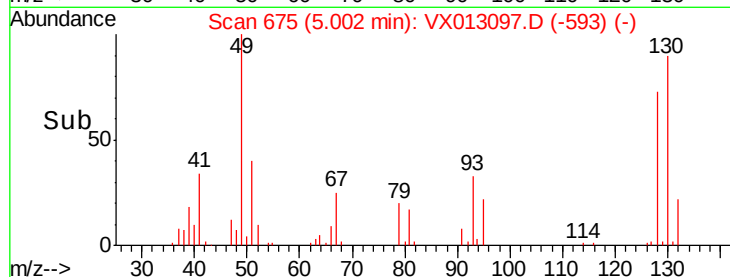
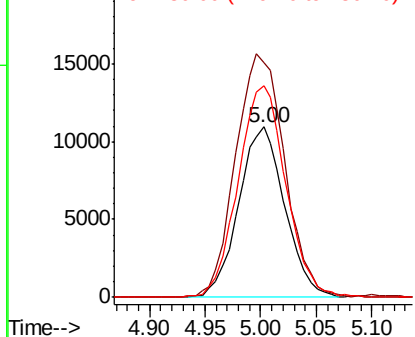
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 5.00 min Scan# 675
Delta R.T. 0.00 min
Lab File: VX013097.D
Acq: 16 Oct 2019 15:51

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:128 Resp: 31447
Ion Ratio Lower Upper
128 100
49 152.9 0.0 382.3
130 128.6 0.0 321.8

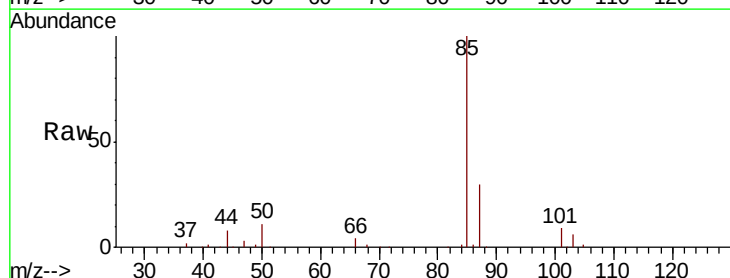


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VX0
Ion 130.00 (129.70 to 130.70): V

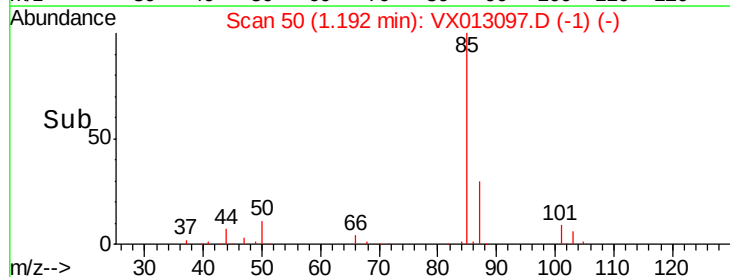
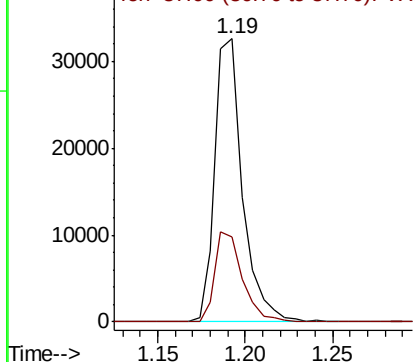


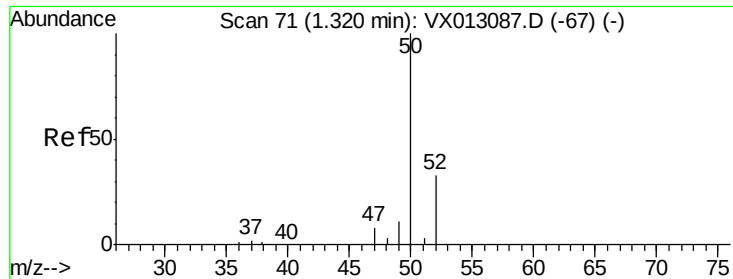
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Dichlorodifluoromethane
Concen: 16.936 ug/l
RT: 1.19 min Scan# 50
Delta R.T. -0.00 min
Lab File: VX013097.D
Acq: 16 Oct 2019 15:51

Tgt Ion: 85 Resp: 35906
Ion Ratio Lower Upper
85 100
87 30.0 16.2 48.5



Abundance Ion 85.00 (84.70 to 85.70): VX0
Ion 87.00 (86.70 to 87.70): VX0

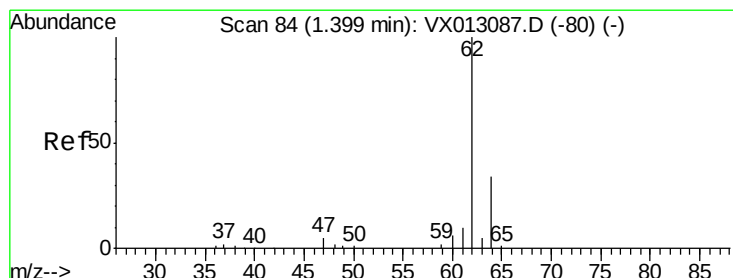
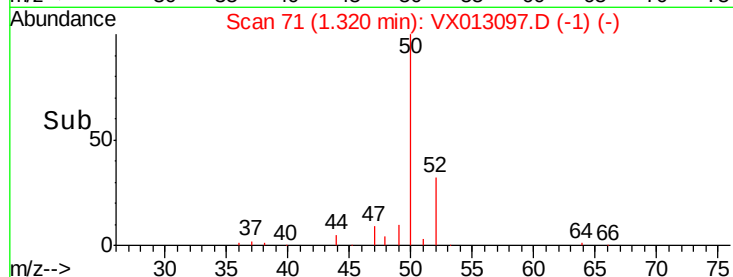
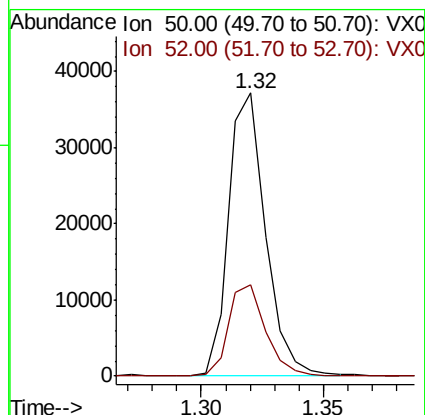
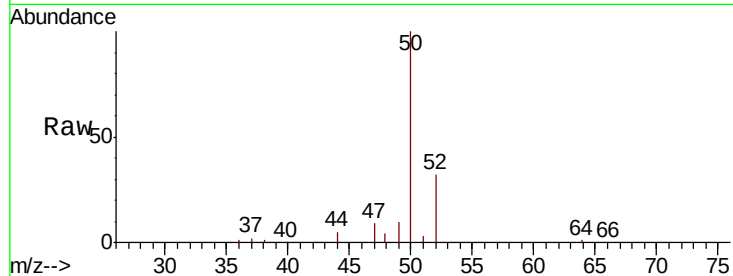




#3
Chloromethane
Concen: 18.726 ug/l
RT: 1.32 min Scan# 71
Delta R.T. 0.00 min
Lab File: VX013097.D
Acq: 16 Oct 2019 15:51

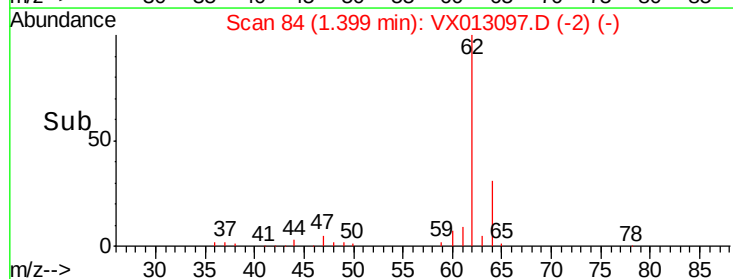
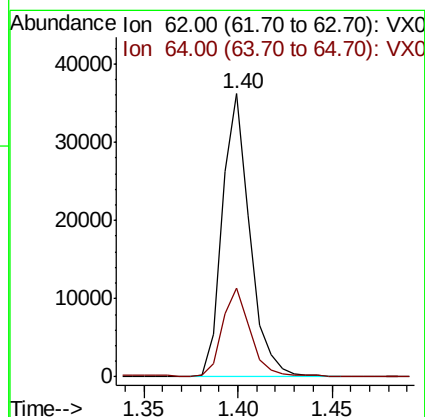
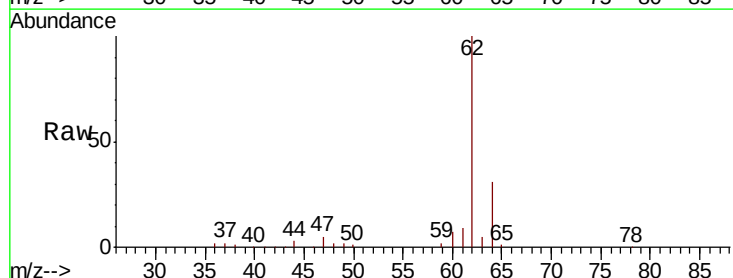
Instrument :
MSVOA_X
ClientSampleId :

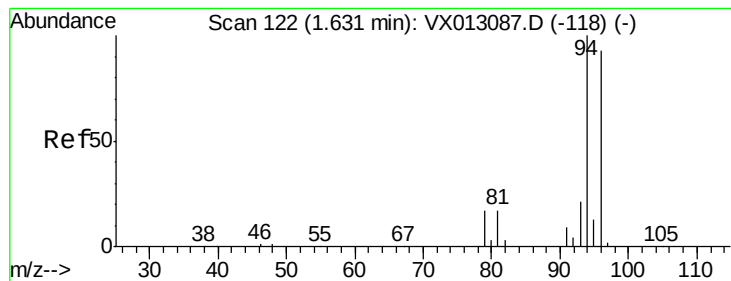
Tot Ion: 50 Resp: 38970
Ion Ratio Lower Upper
50 100
52 32.2 26.0 39.0



#4
Vinyl Chloride
Concen: 17.650 ug/l
RT: 1.40 min Scan# 84
Delta R.T. -0.00 min
Lab File: VX013097.D
Acq: 16 Oct 2019 15:51

Tgt Ion: 62 Resp: 36638
Ion Ratio Lower Upper
62 100
64 31.1 27.4 41.0





#5

Bromomethane

Concen: 21.042 ug/l

RT: 1.63 min Scan# 122

Delta R.T. -0.00 min

Lab File: VX013097.D

Acq: 16 Oct 2019 15:51

Instrument :

MSVOA_X

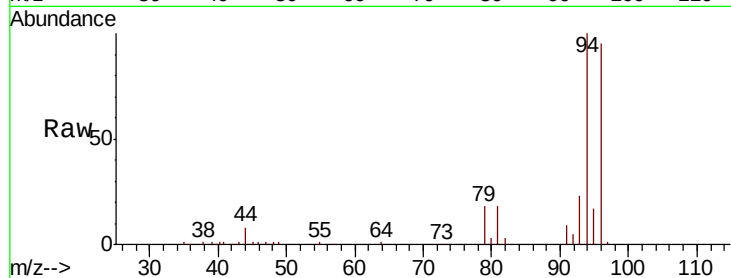
ClientSampled :

Tot Ion: 94 Resp: 20413

Ion Ratio Lower Upper

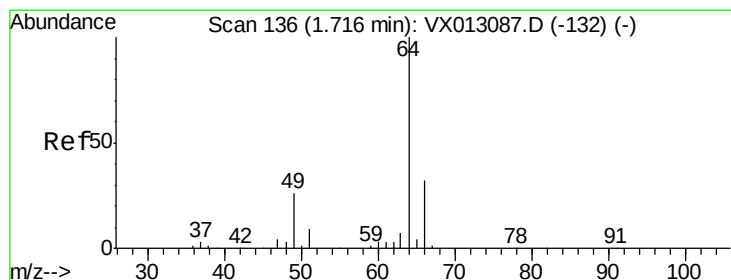
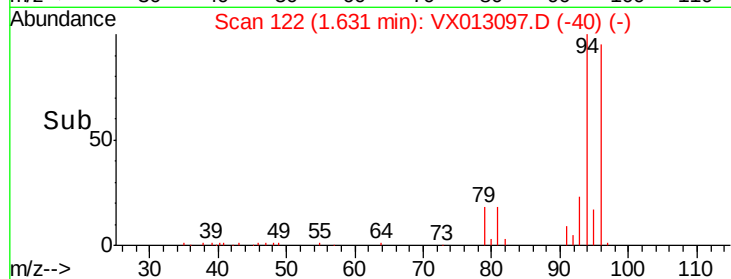
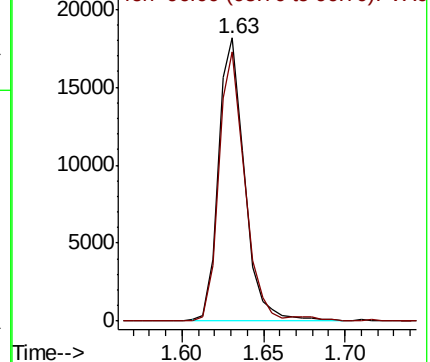
94 100

96 94.9 74.2 111.4



Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0



#6

Chloroethane

Concen: 18.508 ug/l

RT: 1.72 min Scan# 136

Delta R.T. -0.00 min

Lab File: VX013097.D

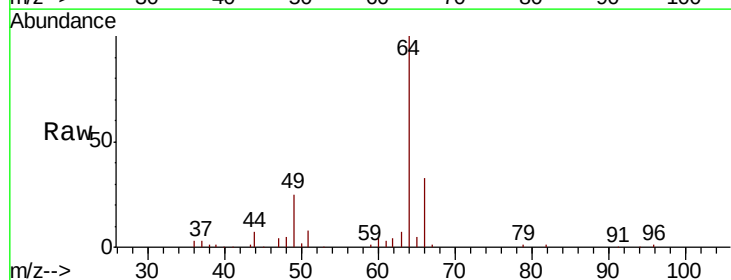
Acq: 16 Oct 2019 15:51

Tgt Ion: 64 Resp: 23620

Ion Ratio Lower Upper

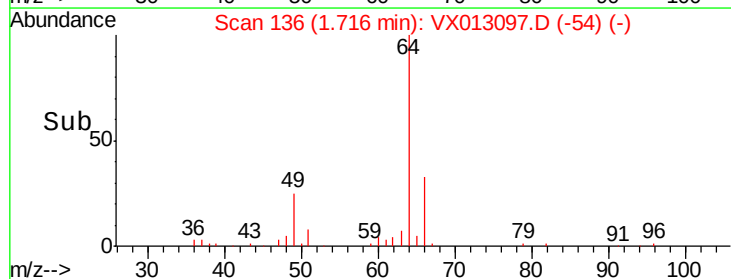
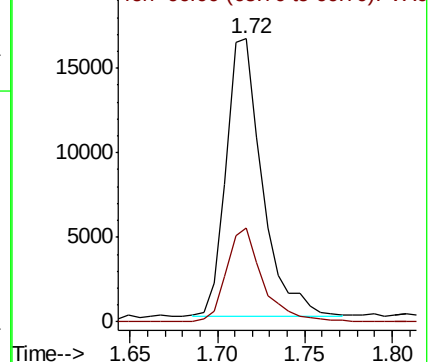
64 100

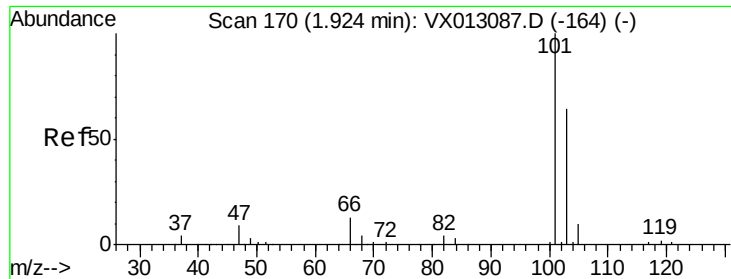
66 33.9 25.6 38.4



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0



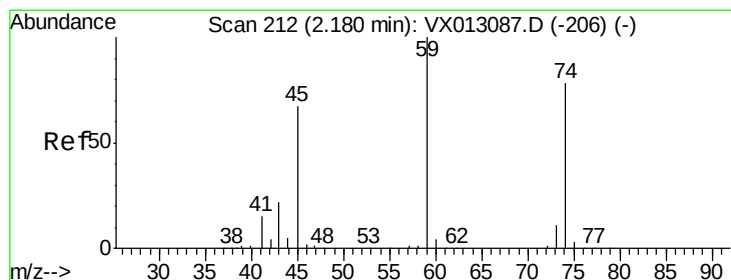
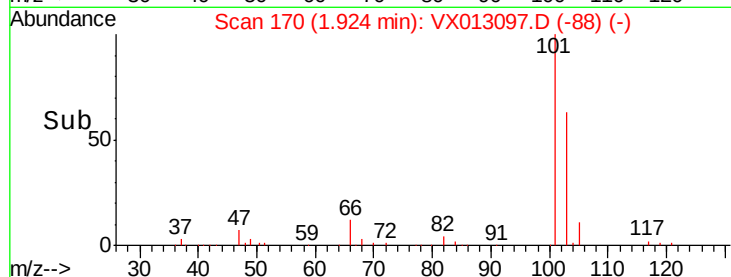
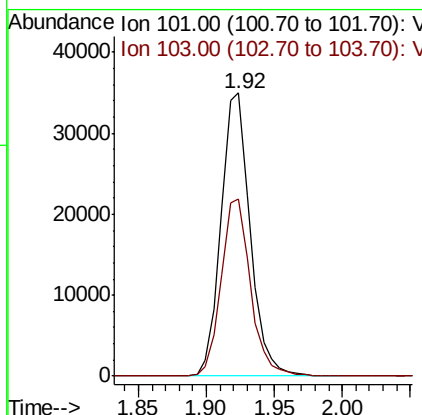
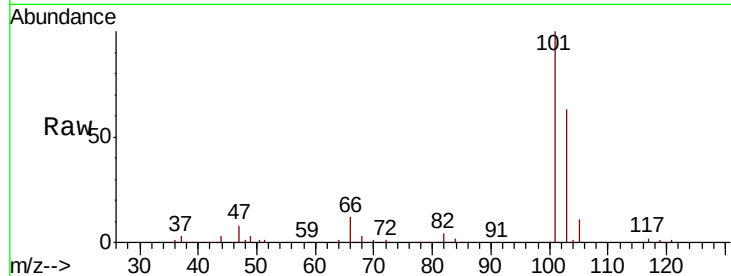


#7

Trichlorofluoromethane
 Concen: 17.074 ug/l
 RT: 1.92 min Scan# 170
 Delta R.T. 0.00 min
 Lab File: VX013097.D
 Acq: 16 Oct 2019 15:51

Instrument :
 MSVOA_X
 ClientSampleId :

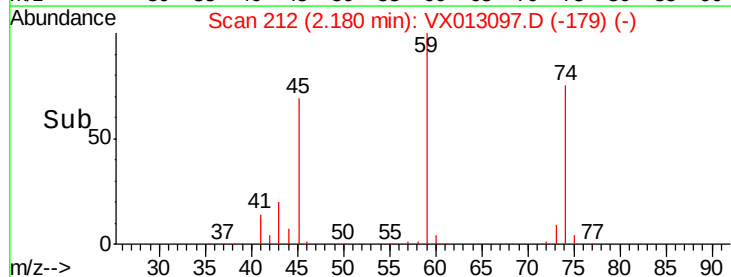
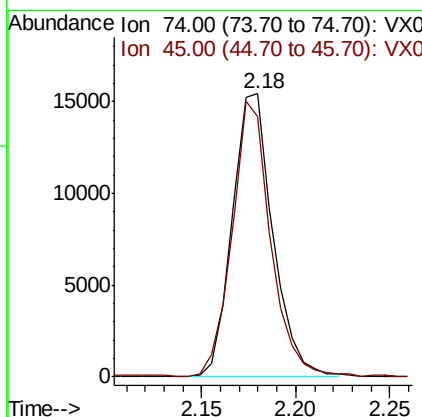
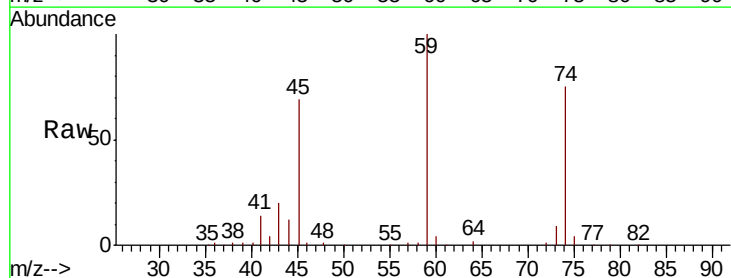
Tot Ion:101 Resp: 52077
 Ion Ratio Lower Upper
 101 100
 103 62.7 50.9 76.3

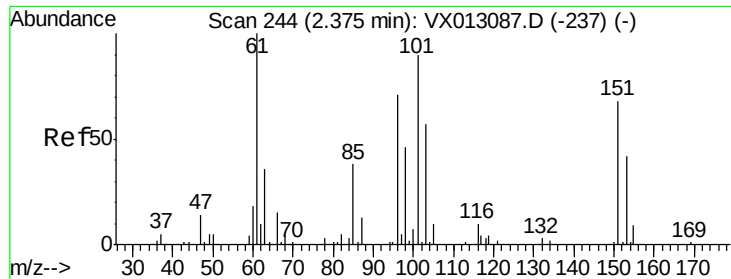


#8

Diethyl Ether
 Concen: 20.512 ug/l
 RT: 2.18 min Scan# 212
 Delta R.T. -0.00 min
 Lab File: VX013097.D
 Acq: 16 Oct 2019 15:51

Tgt Ion: 74 Resp: 23025
 Ion Ratio Lower Upper
 74 100
 45 92.6 18.2 163.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.099 ug/l

RT: 2.37 min Scan# 244

Delta R.T. -0.00 min

Lab File: VX013097.D

Acq: 16 Oct 2019 15:51

Instrument :

MSVOA_X

ClientSampleId :

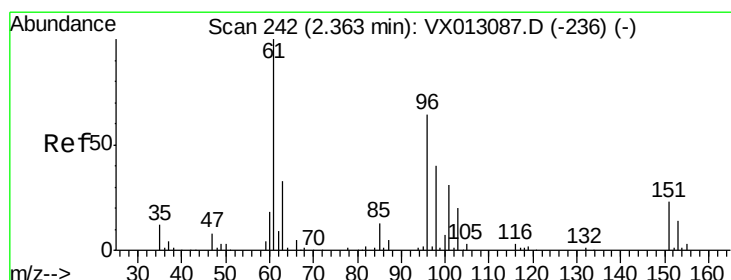
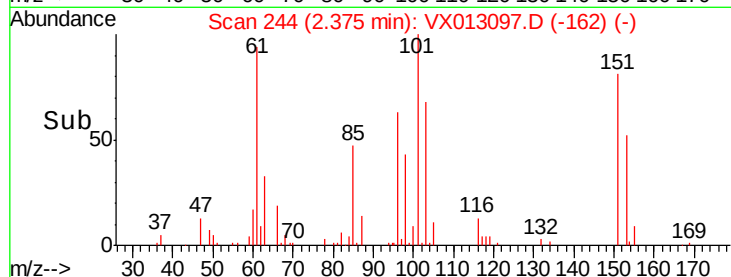
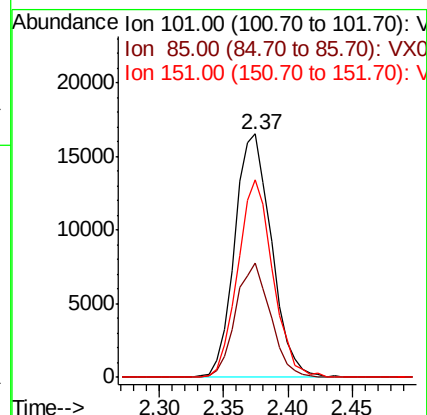
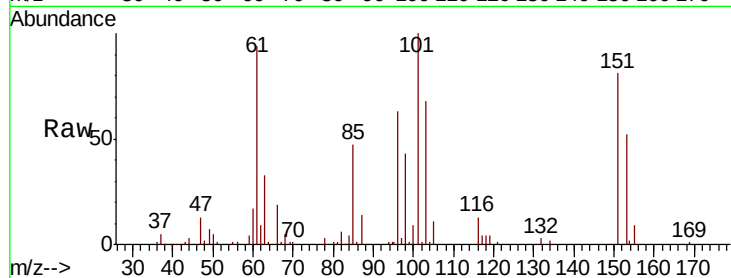
Tot Ion:101 Resp: 32876

Ion Ratio Lower Upper

101 100

85 44.3 0.0 85.2

151 76.9 0.0 157.0



#10

1,1-Dichloroethene

Concen: 17.397 ug/l

RT: 2.36 min Scan# 242

Delta R.T. -0.00 min

Lab File: VX013097.D

Acq: 16 Oct 2019 15:51

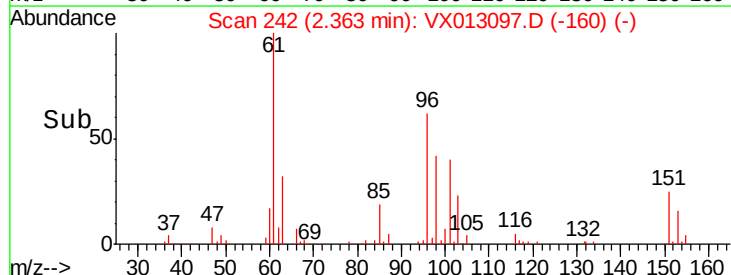
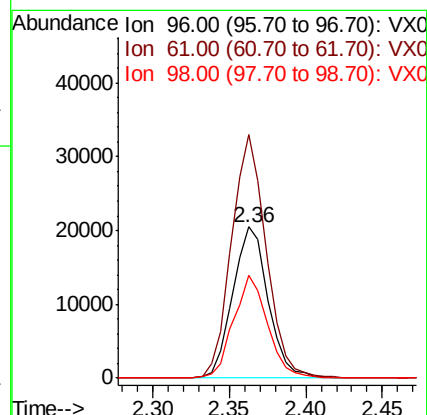
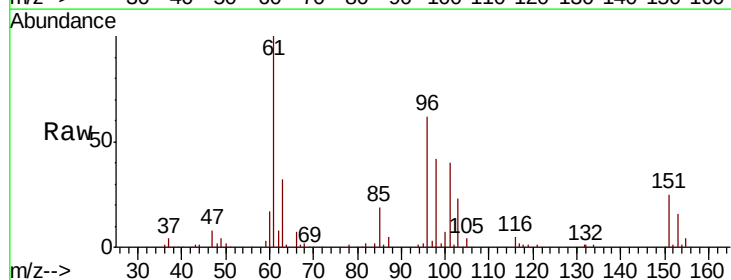
Tgt Ion: 96 Resp: 32907

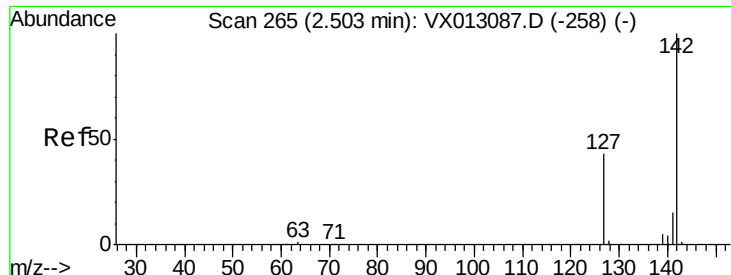
Ion Ratio Lower Upper

96 100

61 160.5 124.2 186.2

98 67.6 50.2 75.2

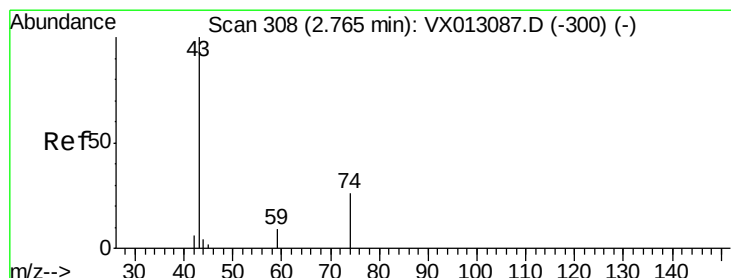
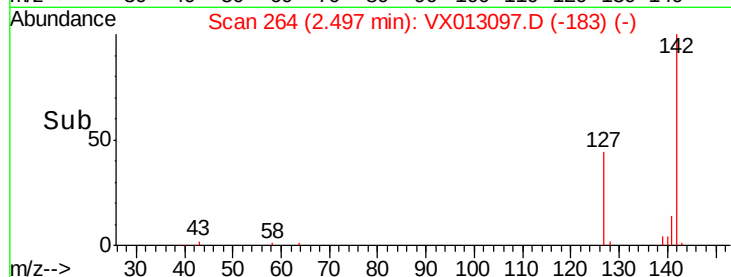
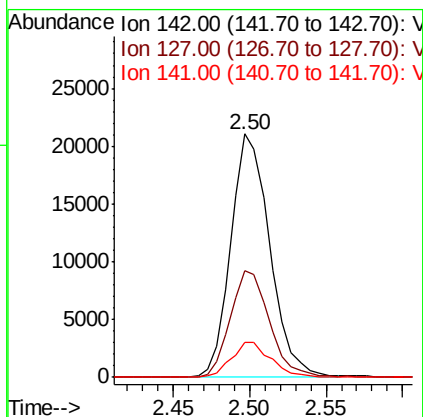
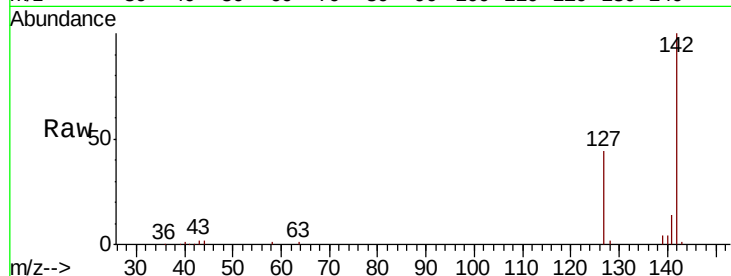




#11
Methvl Iodide
Concen: 16.136 ug/l
RT: 2.50 min Scan# 264
Delta R.T. -0.01 min
Lab File: VX013097.D
Acq: 16 Oct 2019 15:51

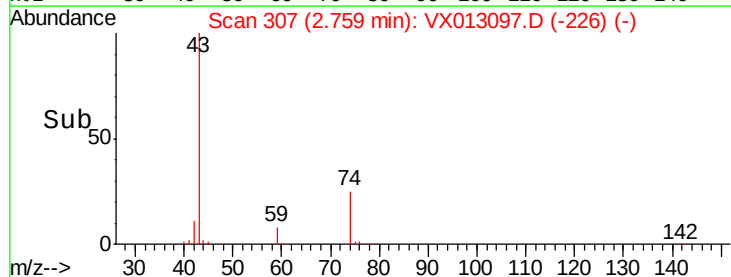
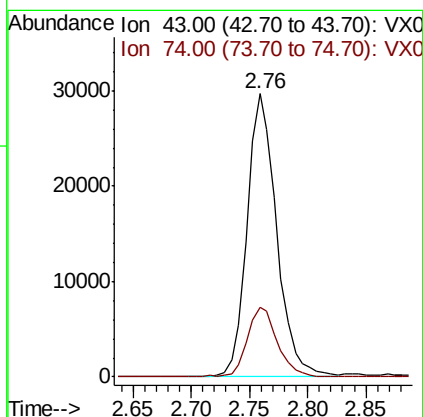
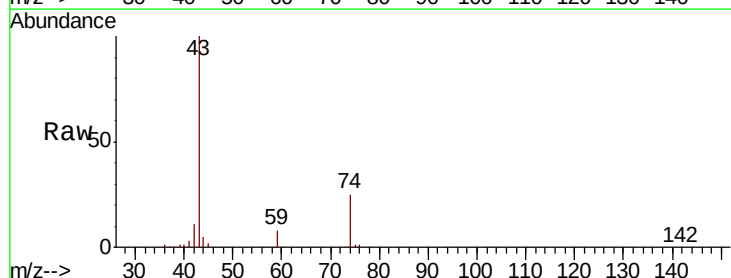
Instrument :
MSVOA_X
ClientSampleId :

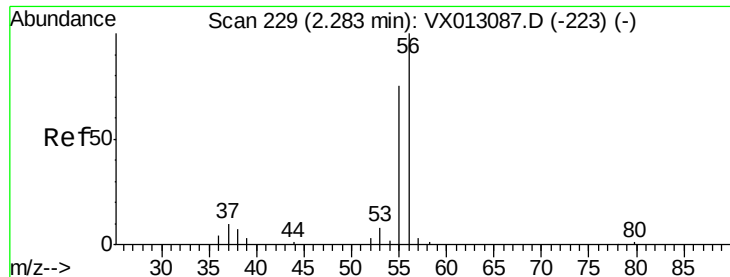
Tot Ion:142 Resp: 37328
Ion Ratio Lower Upper
142 100
127 43.9 21.4 64.2
141 14.4 7.3 21.9



#12
Methyl Acetate
Concen: 19.880 ug/l
RT: 2.76 min Scan# 307
Delta R.T. -0.01 min
Lab File: VX013097.D
Acq: 16 Oct 2019 15:51

Tgt Ion: 43 Resp: 52584
Ion Ratio Lower Upper
43 100
74 24.9 20.9 31.3





#13

Acrolein

Concen: 88.434 ug/l

RT: 2.28 min Scan# 229

Delta R.T. -0.00 min

Lab File: VX013097.D

Acq: 16 Oct 2019 15:51

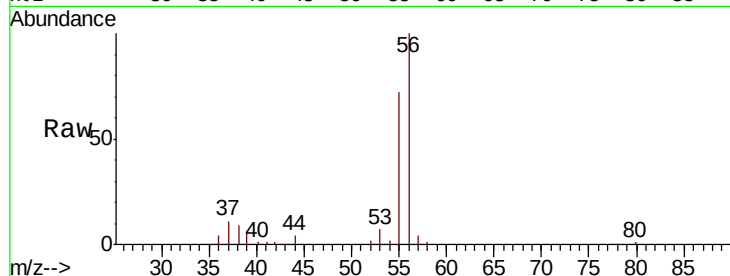
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 56 Resp: 33659

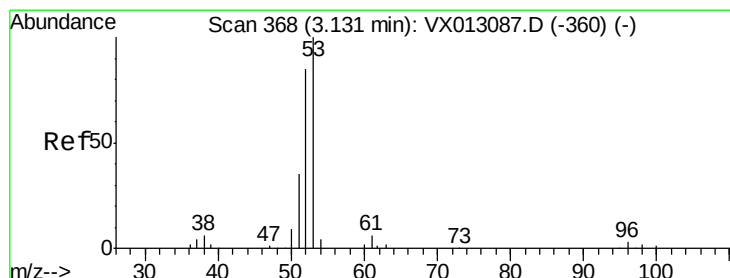
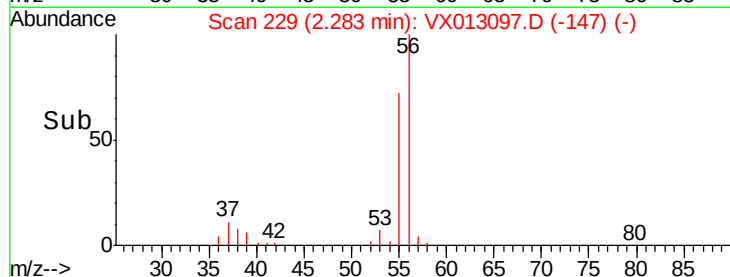
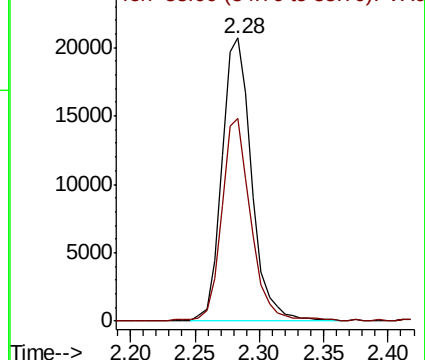
Ion Ratio Lower Upper

56 100

55 69.8 57.8 86.8



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 55.00 (54.70 to 55.70): VX0



#14

Acrylonitrile

Concen: 99.398 ug/l

RT: 3.12 min Scan# 367

Delta R.T. -0.01 min

Lab File: VX013097.D

Acq: 16 Oct 2019 15:51

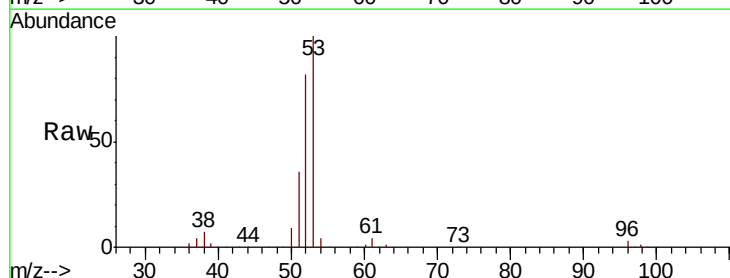
Tgt Ion: 53 Resp: 109738

Ion Ratio Lower Upper

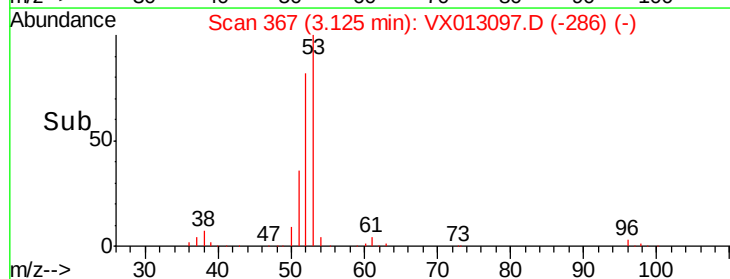
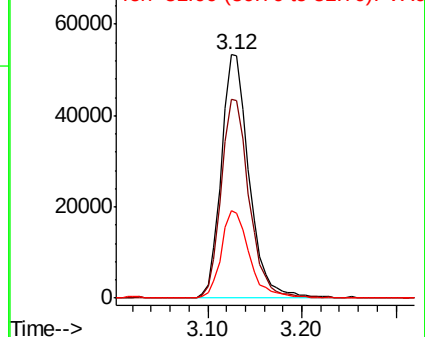
53 100

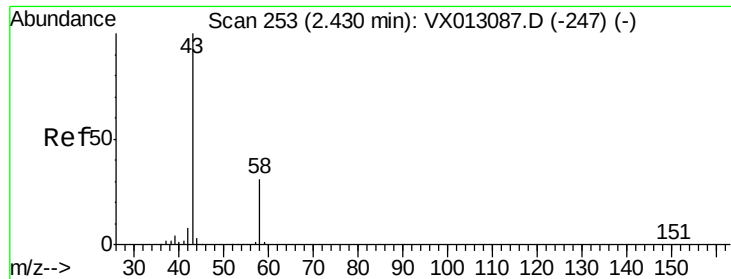
52 81.7 41.4 124.2

51 36.1 18.1 54.4



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





#15

Acetone

Concen: 96.967 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.00 min

Lab File: VX013097.D

Acq: 16 Oct 2019 15:51

Instrument :

MSVOA_X

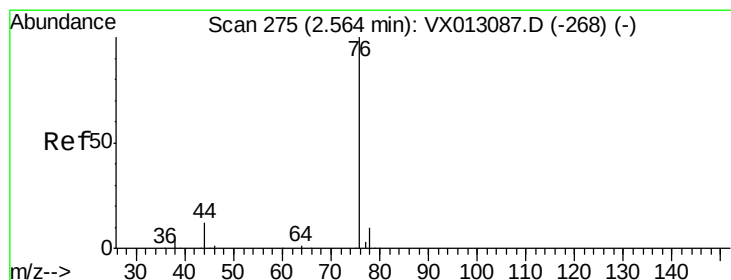
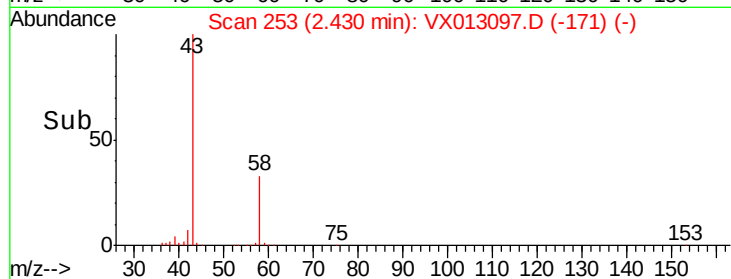
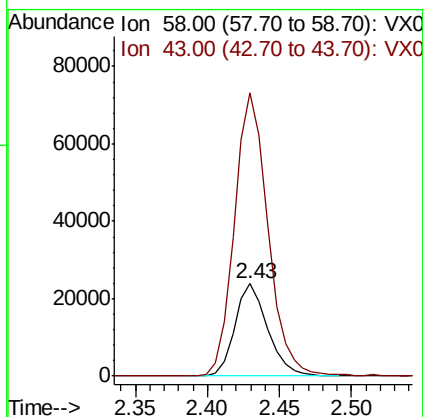
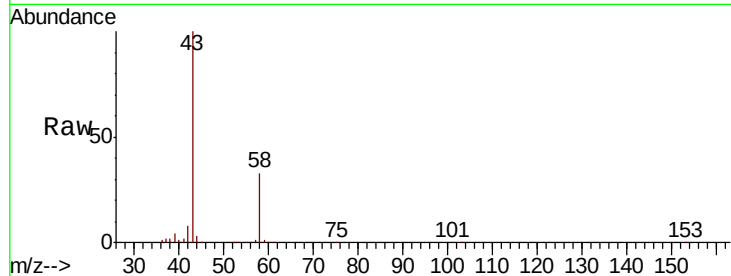
ClientSampleId :

Tot Ion: 58 Resp: 37899

Ion Ratio Lower Upper

58 100

43 305.7 259.5 389.3



#16

Carbon Disulfide

Concen: 16.777 ug/l

RT: 2.56 min Scan# 274

Delta R.T. -0.01 min

Lab File: VX013097.D

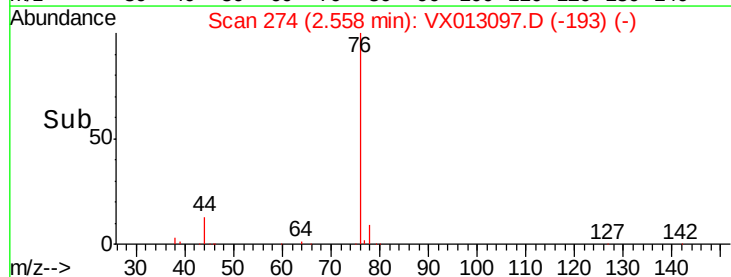
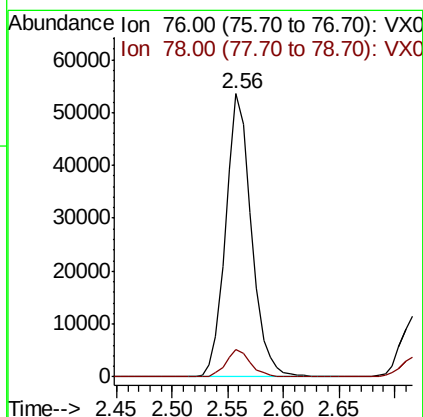
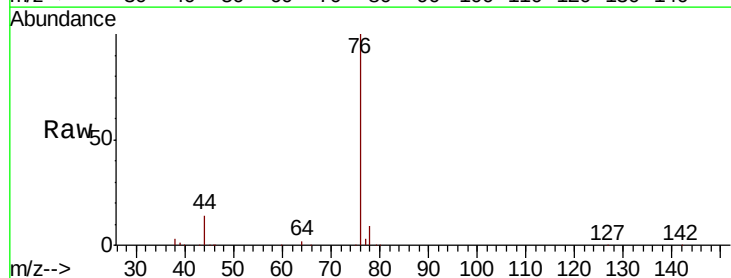
Acq: 16 Oct 2019 15:51

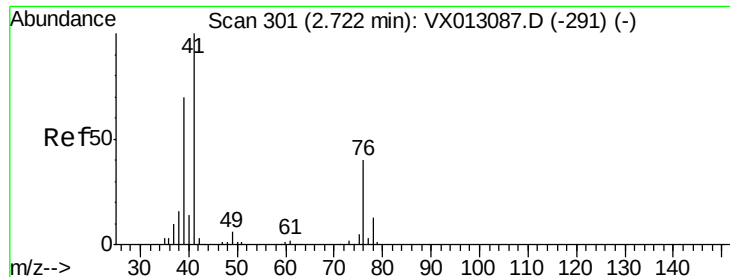
Tgt Ion: 76 Resp: 85818

Ion Ratio Lower Upper

76 100

78 9.5 7.8 11.6

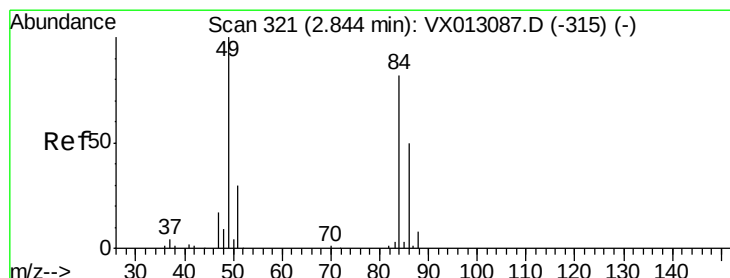
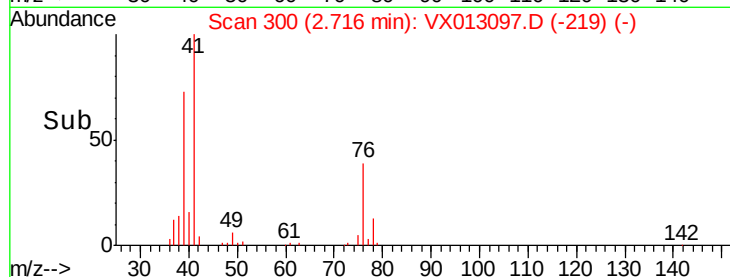
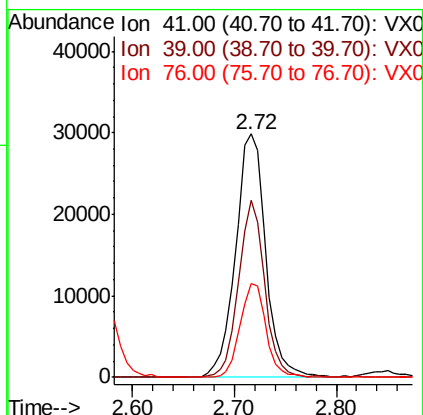
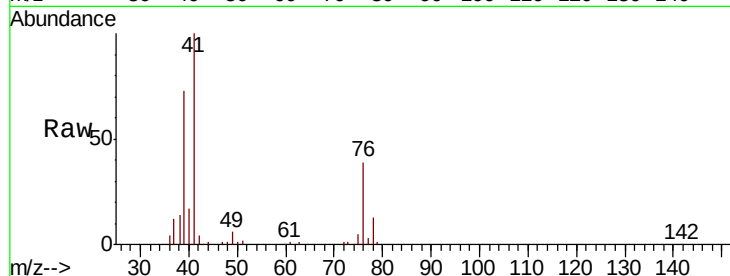




#17
Allvl chloride
Concen: 19.020 ug/l
RT: 2.72 min Scan# 300
Delta R.T. -0.01 min
Lab File: VX013097.D
Acq: 16 Oct 2019 15:51

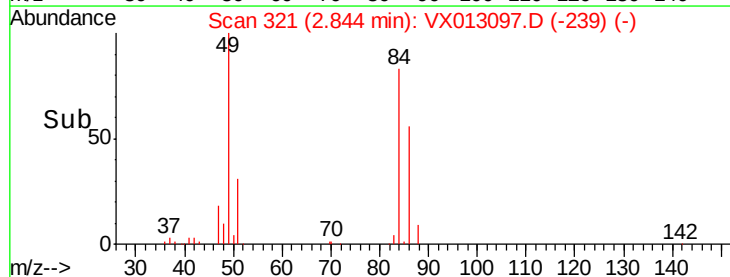
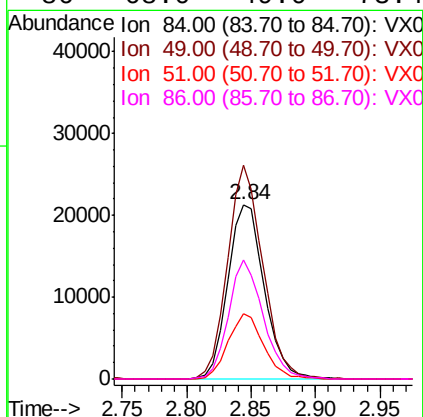
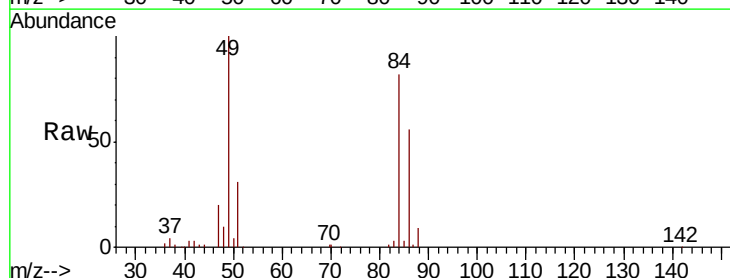
Instrument :
MSVOA_X
ClientSampleId :

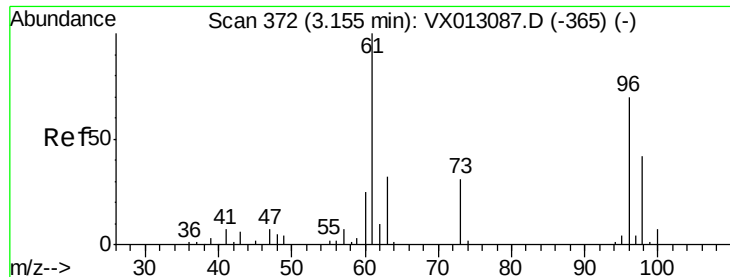
Tot Ion: 41 Resp: 61050
Ion Ratio Lower Upper
41 100
39 72.6 34.8 104.5
76 38.5 20.2 60.5



#18
Methylene Chloride
Concen: 19.527 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX013097.D
Acq: 16 Oct 2019 15:51

Tgt Ion: 84 Resp: 42020
Ion Ratio Lower Upper
84 100
49 122.0 97.8 146.6
51 37.3 29.2 43.8
86 68.0 49.0 73.4

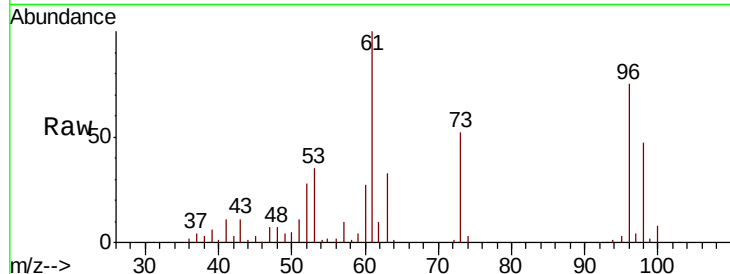




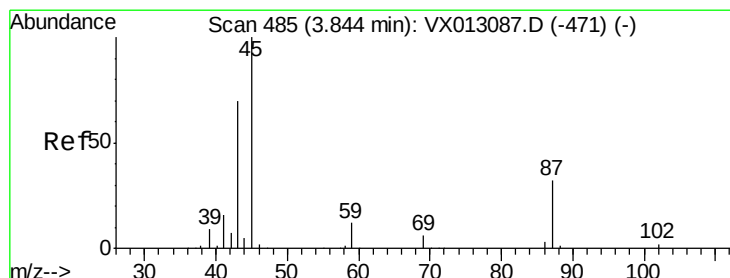
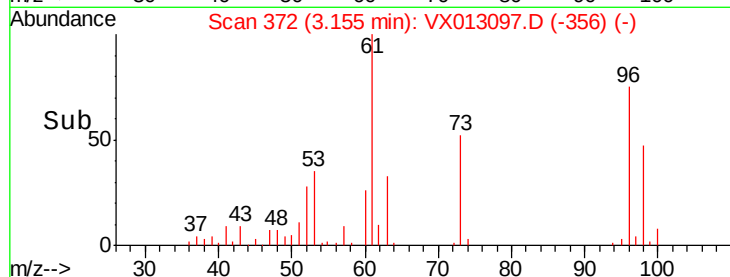
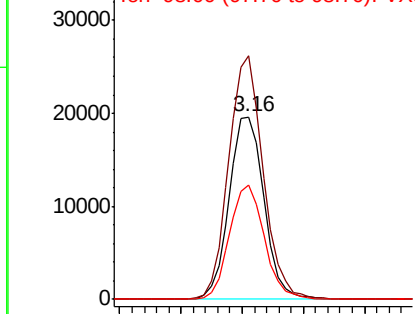
#19
trans-1,2-Dichloroethene
Concen: 19.151 ug/l
RT: 3.16 min Scan# 372
Delta R.T. -0.00 min
Lab File: VX013097.D
Acq: 16 Oct 2019 15:51

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 96 Resp: 38786
Ion Ratio Lower Upper
96 100
61 133.5 113.9 170.9
98 62.8 48.1 72.1

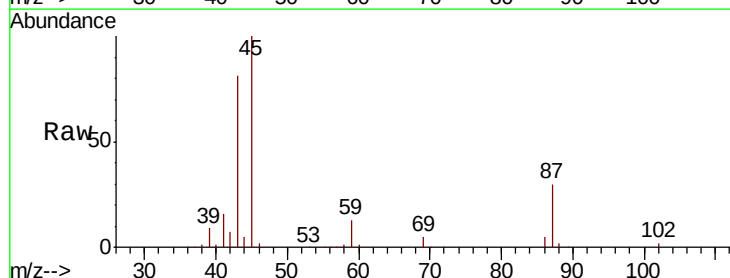


Abundance Ion 96.00 (95.70 to 96.70): VX0
Ion 61.00 (60.70 to 61.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

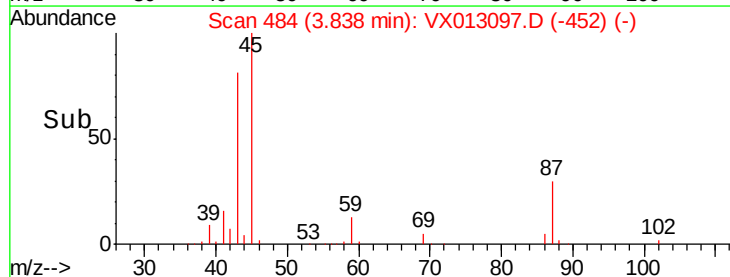
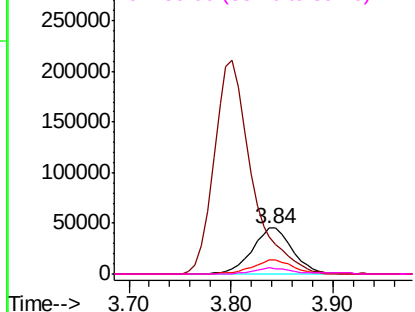


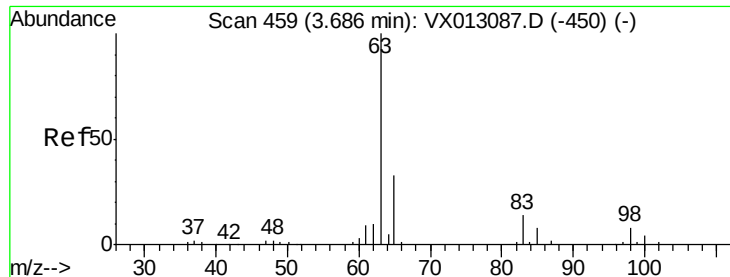
#20
Diisopropyl ether
Concen: 20.304 ug/l
RT: 3.84 min Scan# 484
Delta R.T. -0.01 min
Lab File: VX013097.D
Acq: 16 Oct 2019 15:51

Tgt Ion: 45 Resp: 125039
Ion Ratio Lower Upper
45 100
43 78.8 57.5 86.3
87 30.3 25.3 37.9
59 12.8 9.7 14.5



Abundance Ion 45.00 (44.70 to 45.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 87.00 (86.70 to 87.70): VX0
Ion 59.00 (58.70 to 59.70): VX0





#21

1,1-Dichloroethane

Concen: 19.536 ug/l

RT: 3.68 min Scan# 458

Delta R.T. -0.01 min

Lab File: VX013097.D

Acq: 16 Oct 2019 15:51

Instrument :

MSVOA_X

ClientSampleId :

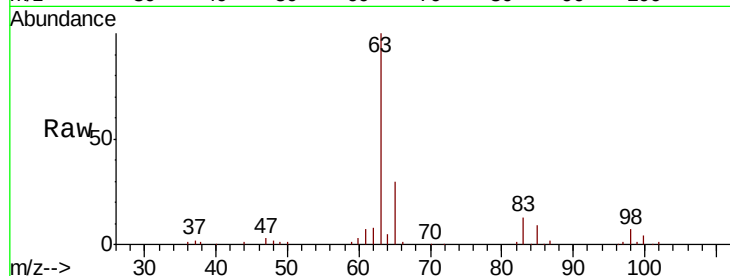
Tot Ion: 63 Resp: 69378

Ion Ratio Lower Upper

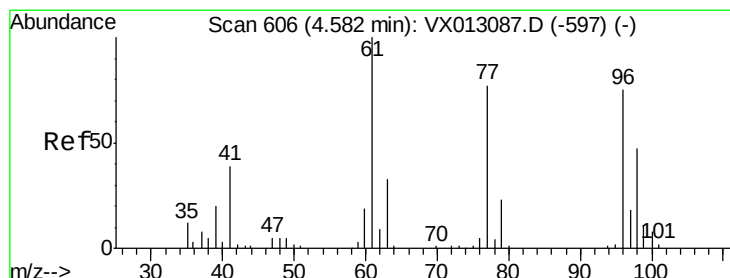
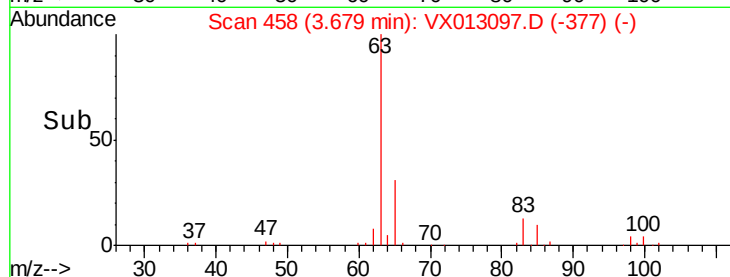
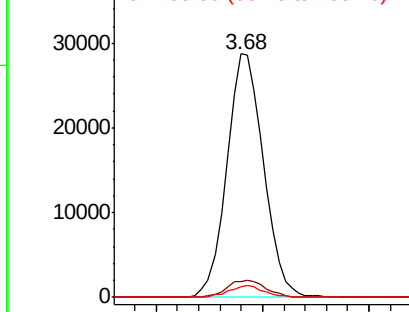
63 100

98 6.6 3.8 11.4

100 4.2 2.1 6.5



Abundance Ion 63.00 (62.70 to 63.70): VX0
Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): VX0



#22

cis-1,2-Dichloroethene

Concen: 19.626 ug/l

RT: 4.58 min Scan# 606

Delta R.T. -0.00 min

Lab File: VX013097.D

Acq: 16 Oct 2019 15:51

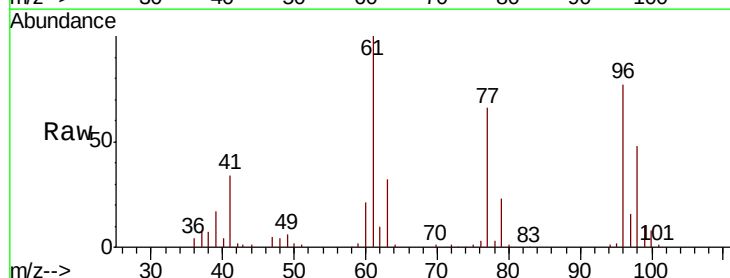
Tgt Ion: 96 Resp: 45682

Ion Ratio Lower Upper

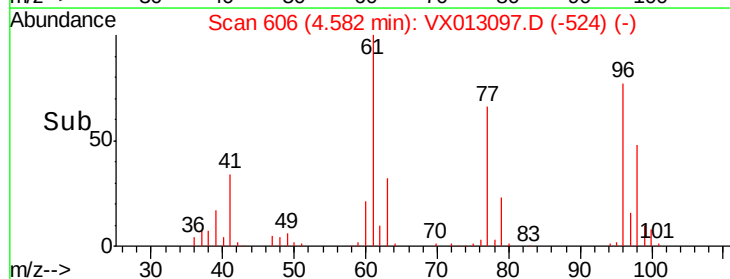
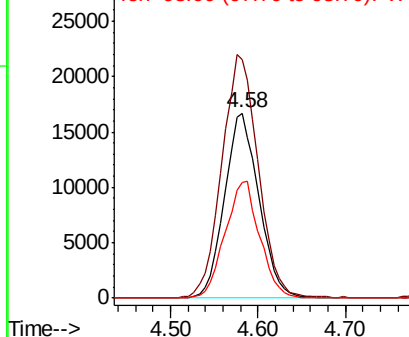
96 100

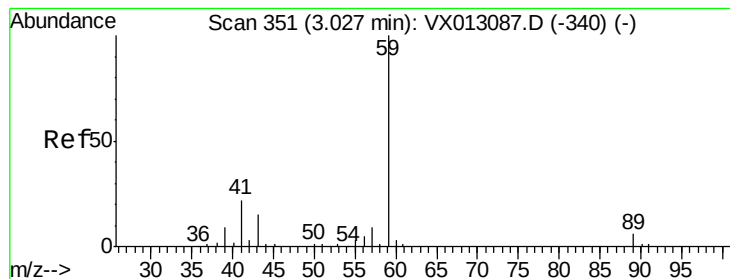
61 138.7 115.0 172.4

98 63.2 51.5 77.3



Abundance Ion 96.00 (95.70 to 96.70): VX0
Ion 61.00 (60.70 to 61.70): VX0
Ion 98.00 (97.70 to 98.70): VX0



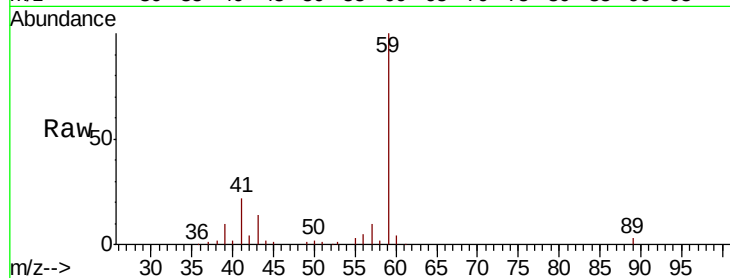


#23

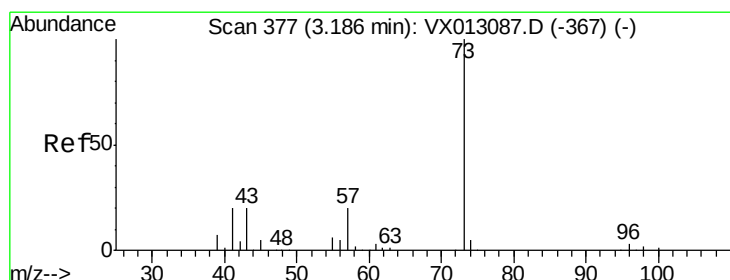
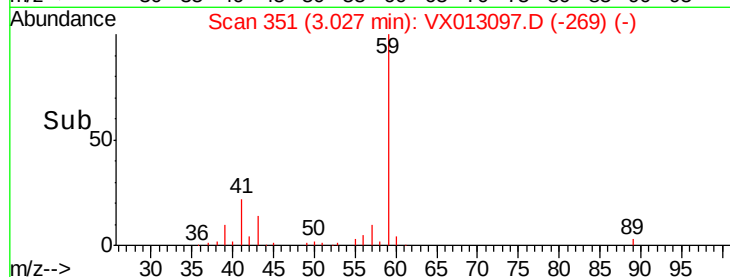
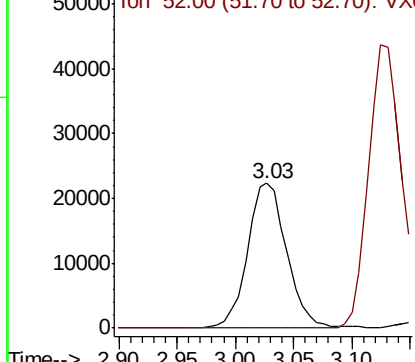
tert-Butyl Alcohol
 Concen: 93.313 ug/l
 RT: 3.03 min Scan# 351
 Delta R.T. -0.00 min
 Lab File: VX013097.D
 Acq: 16 Oct 2019 15:51

Instrument :
 MSVOA_X
 ClientSampled :

Tot Ion: 59 Resp: 52050
 Ion Ratio Lower Upper
 59 100
 52 0.1 0.1 0.1



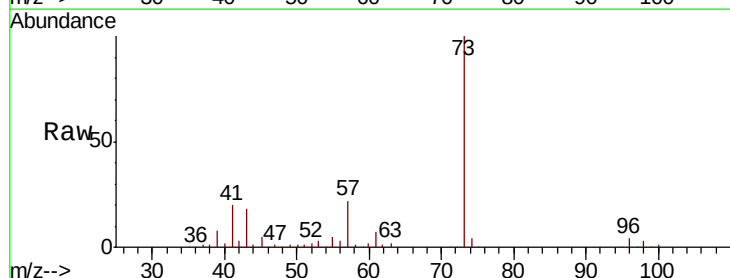
Abundance Ion 59.00 (58.70 to 59.70): VX0
 Ion 52.00 (51.70 to 52.70): VX0



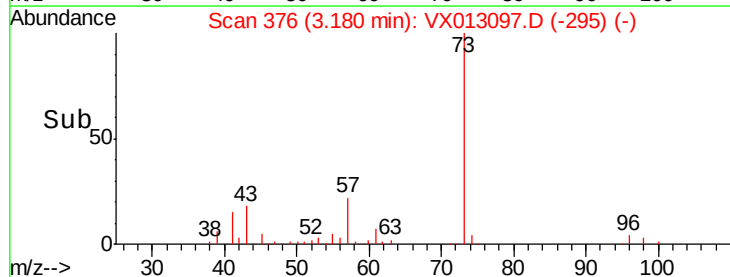
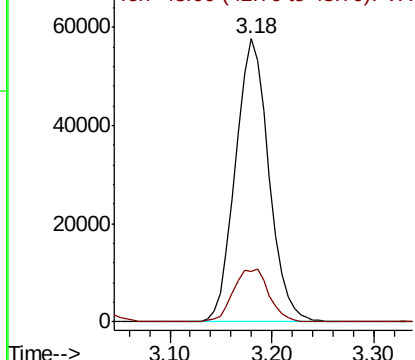
#24

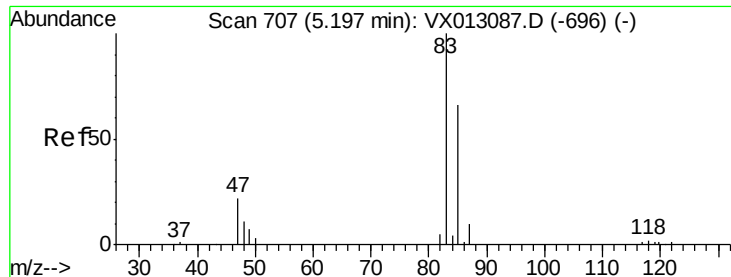
Methyl tert-Butyl Ether
 Concen: 20.324 ug/l
 RT: 3.18 min Scan# 376
 Delta R.T. -0.01 min
 Lab File: VX013097.D
 Acq: 16 Oct 2019 15:51

Tgt Ion: 73 Resp: 131023
 Ion Ratio Lower Upper
 73 100
 43 20.1 15.8 23.8



Abundance Ion 73.00 (72.70 to 73.70): VX0
 Ion 43.00 (42.70 to 43.70): VX0





#25

Chloroform

Concen: 19.386 ug/l

RT: 5.20 min Scan# 707

Delta R.T. -0.00 min

Lab File: VX013097.D

Acq: 16 Oct 2019 15:51

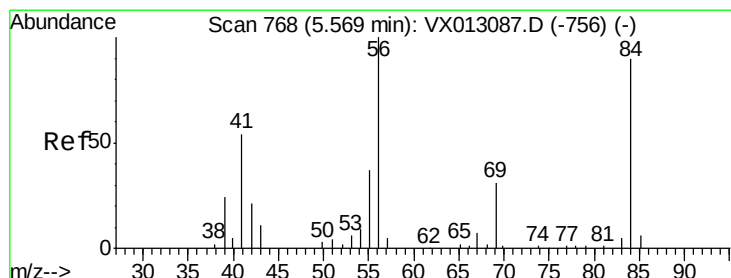
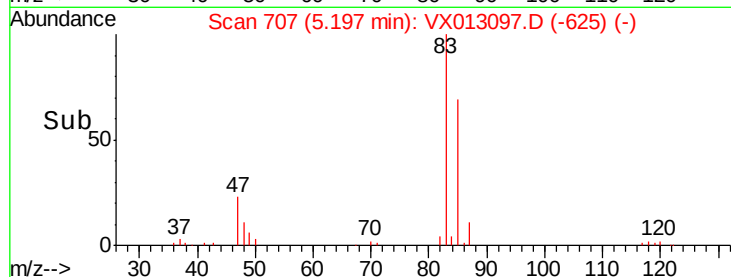
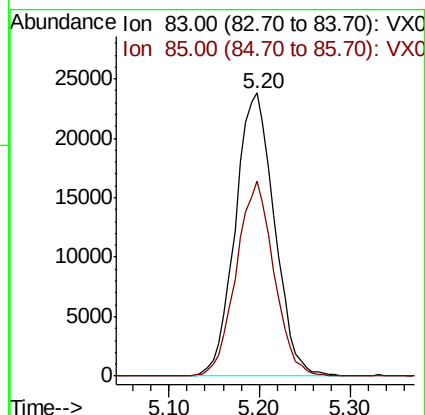
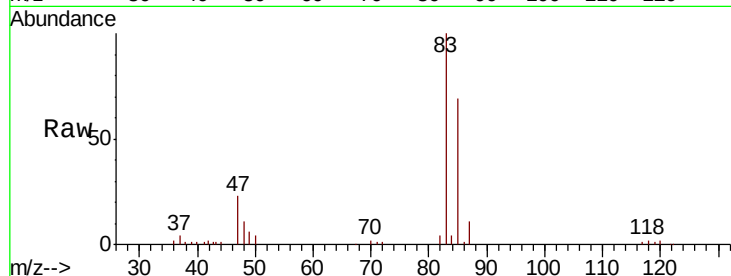
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 83 Resp: 71190

Ion Ratio Lower Upper

83 100

85 68.8 53.0 79.6



#26

Cyclohexane

Concen: 17.065 ug/l

RT: 5.57 min Scan# 768

Delta R.T. -0.00 min

Lab File: VX013097.D

Acq: 16 Oct 2019 15:51

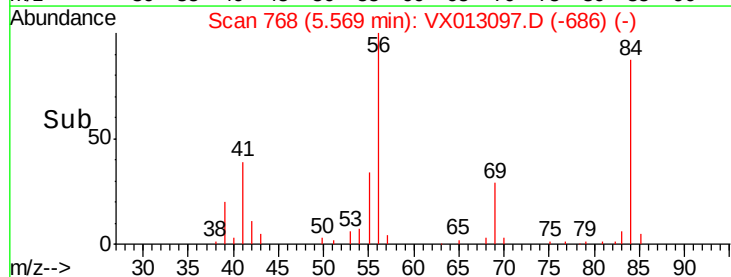
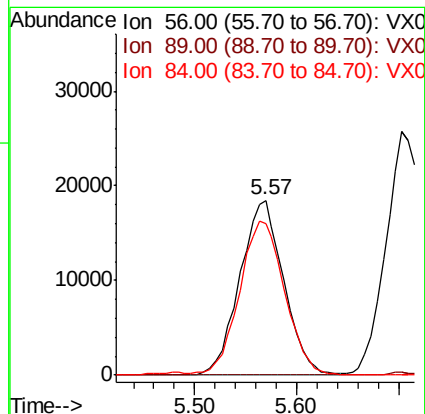
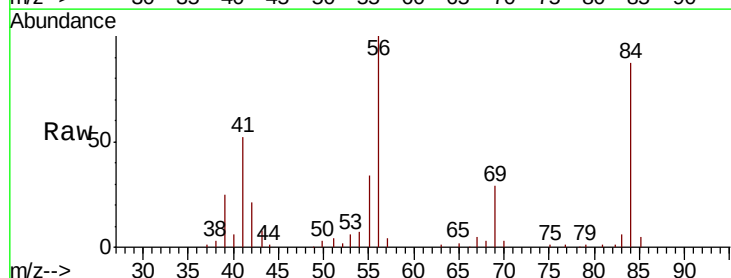
Tgt Ion: 56 Resp: 55070

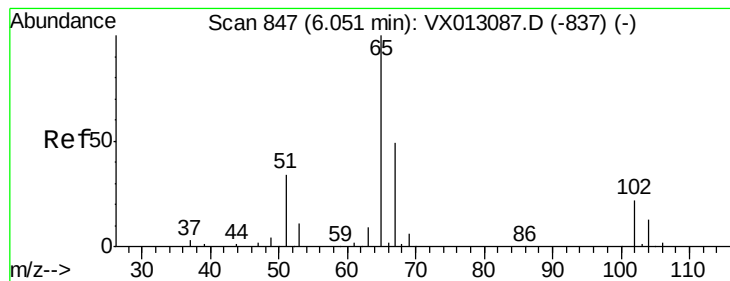
Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

84 90.7 71.3 106.9





#27

1,2-Dichloroethane-d4

Concen: 29.426 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX013097.D

Acq: 16 Oct 2019 15:51

Instrument :

MSVOA_X

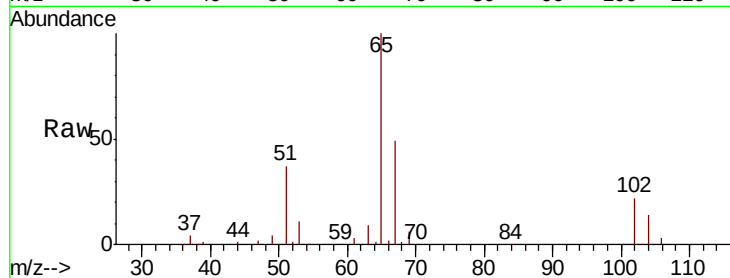
ClientSampleId :

Tot Ion: 65 Resp: 70960

Ion Ratio Lower Upper

65 100

67 52.2 41.2 61.8



Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

6.05

30000

25000

20000

15000

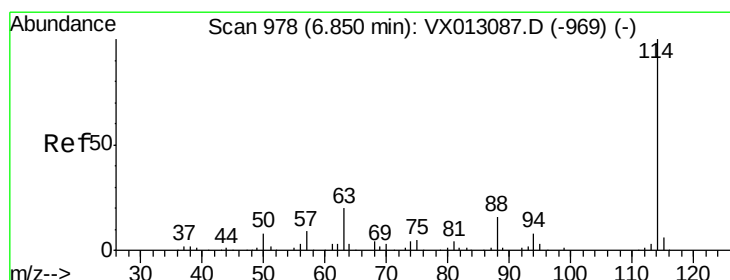
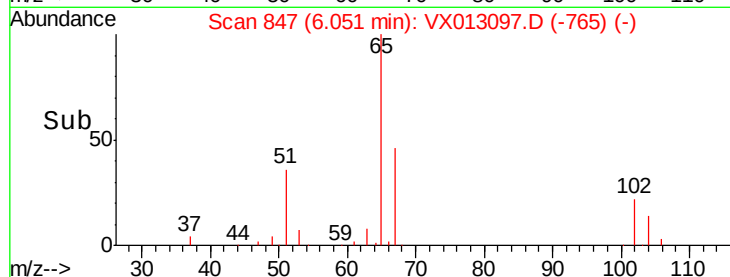
10000

5000

0

Time-->

5.95 6.00 6.05 6.10 6.15



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX013097.D

Acq: 16 Oct 2019 15:51

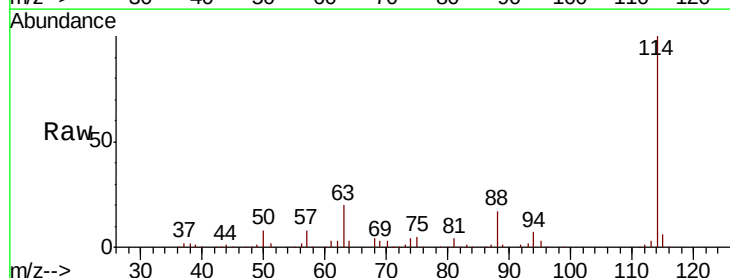
Tgt Ion: 114 Resp: 168702

Ion Ratio Lower Upper

114 100

63 20.2 16.5 24.7

88 17.2 13.6 20.4



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0

6.85

80000

60000

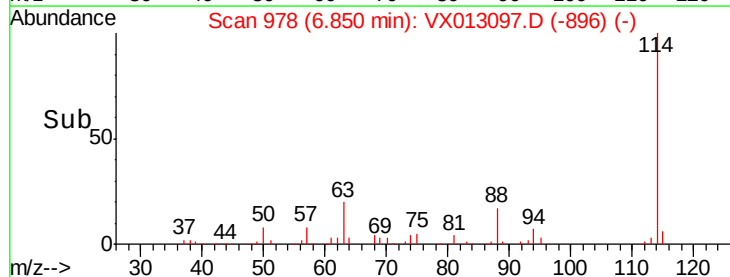
40000

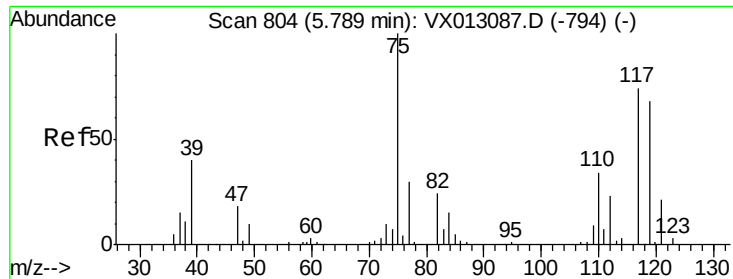
20000

0

Time-->

6.75 6.80 6.85 6.90

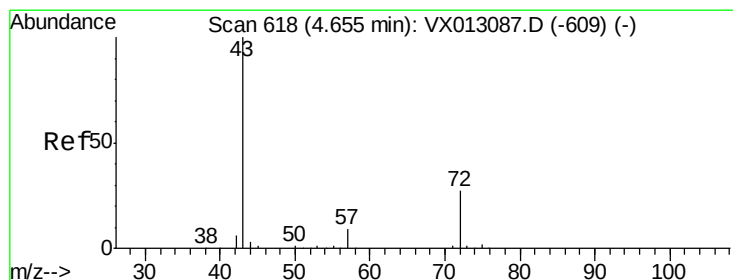
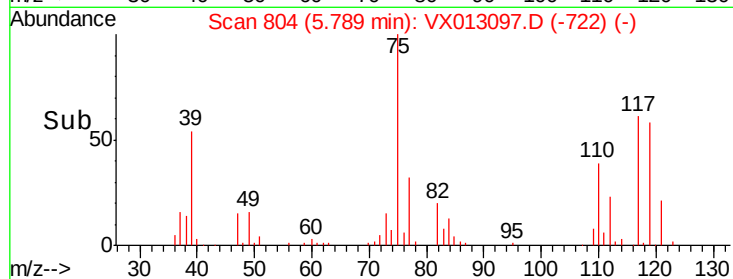
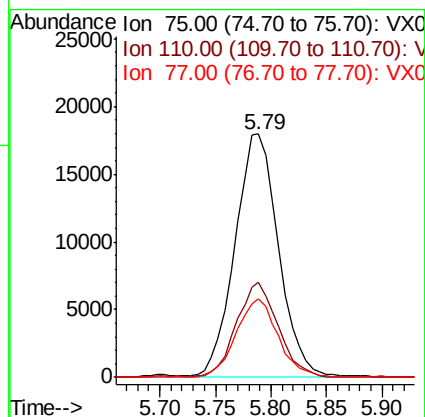
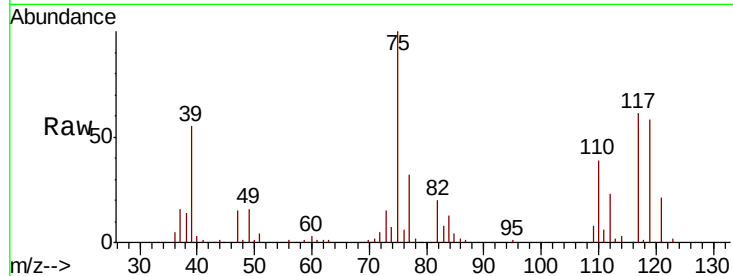




#29
 1,1-Dichloropropene
 Concen: 19.035 ug/l
 RT: 5.79 min Scan# 804
 Delta R.T. -0.00 min
 Lab File: VX013097.D
 Acq: 16 Oct 2019 15:51

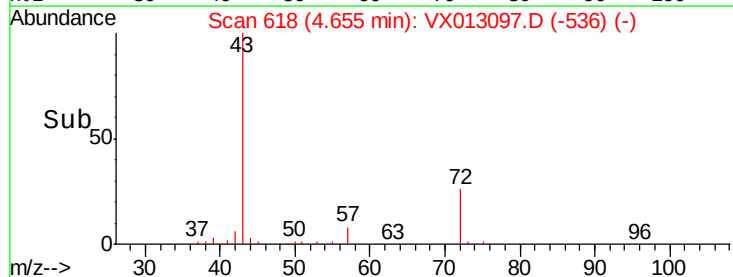
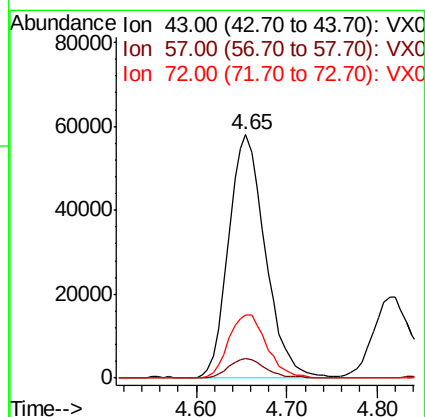
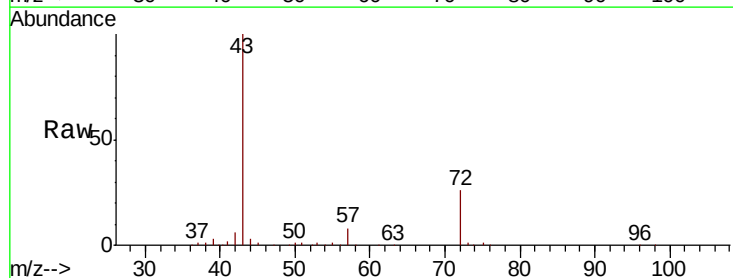
Instrument :
 MSVOA_X
 ClientSampleID :

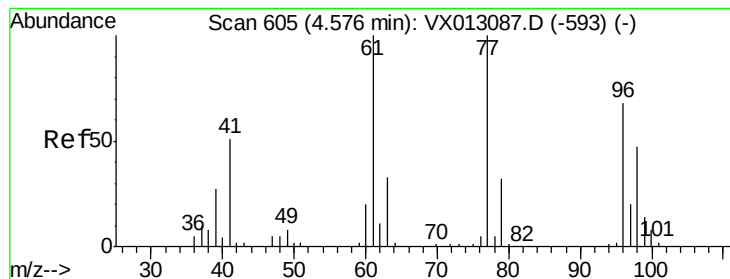
Tot Ion	Ratio	Lower	Upper
75	100		
110	37.1	0.0	72.2
77	31.2	0.0	62.8



#30
 2-Butanone
 Concen: 106.993 ug/l
 RT: 4.65 min Scan# 618
 Delta R.T. 0.00 min
 Lab File: VX013097.D
 Acq: 16 Oct 2019 15:51

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.3	6.9	10.3
72	27.2	22.1	33.1





#31

2,2-Dichloropropane

Concen: 19.464 ug/l

RT: 4.56 min Scan# 603

Delta R.T. -0.01 min

Lab File: VX013097.D

Acq: 16 Oct 2019 15:51

Instrument :

MSVOA_X

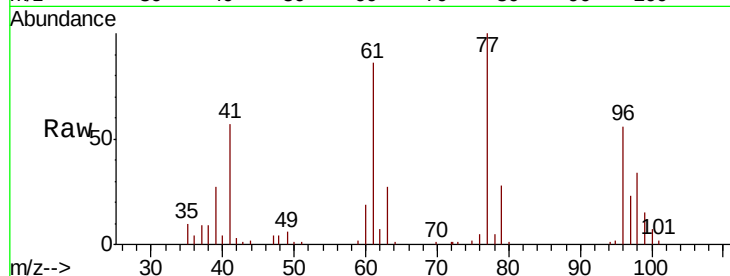
ClientSampleId :

Tot Ion: 77 Resp: 56662

Ion Ratio Lower Upper

77 100

97 23.1 17.8 26.6



Abundance Ion 77.00 (76.70 to 77.70): VX0

Ion 97.00 (96.70 to 97.70): VX0

20000

15000

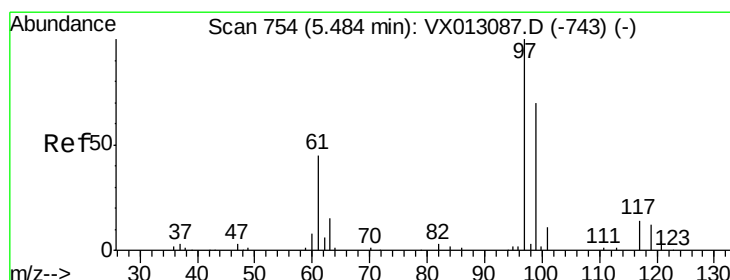
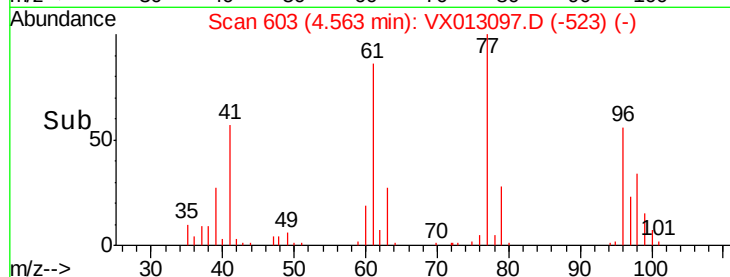
10000

5000

0

4.50 4.55 4.60 4.65 4.70

Time-->



#32

1,1,1-Trichloroethane

Concen: 19.434 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.00 min

Lab File: VX013097.D

Acq: 16 Oct 2019 15:51

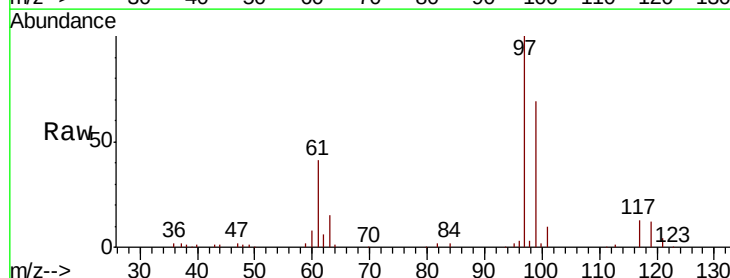
Tgt Ion: 97 Resp: 58502

Ion Ratio Lower Upper

97 100

99 64.9 52.4 78.6

61 43.8 35.1 52.7



Abundance Ion 97.00 (96.70 to 97.70): VX0

Ion 99.00 (98.70 to 99.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

25000

20000

15000

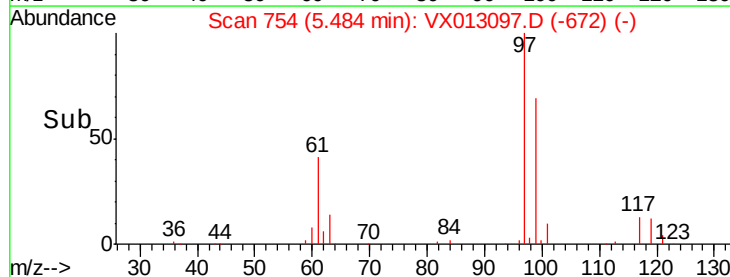
10000

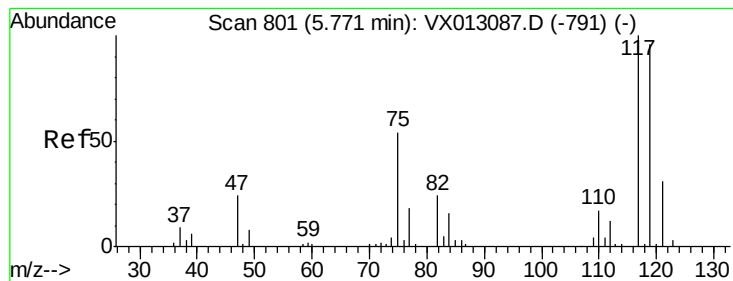
5000

0

5.40 5.45 5.50 5.55 5.60

Time-->





#33

Carbon Tetrachloride

Concen: 18.711 ug/l

RT: 5.78 min Scan# 802

Delta R.T. 0.01 min

Lab File: VX013097.D

Acq: 16 Oct 2019 15:51

Instrument :

MSVOA_X

ClientSampleId :

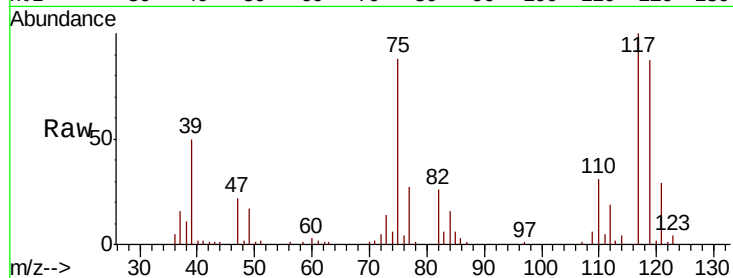
Tot Ion:117 Resp: 48324

Ion Ratio Lower Upper

117 100

119 86.7 77.0 115.4

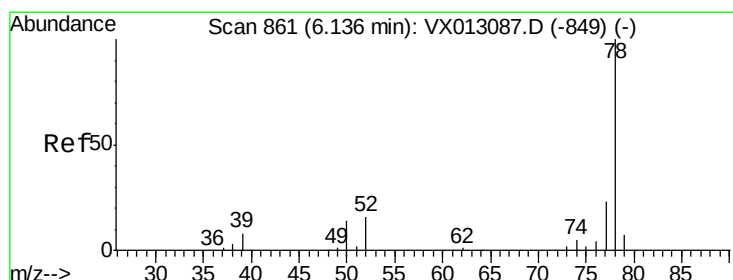
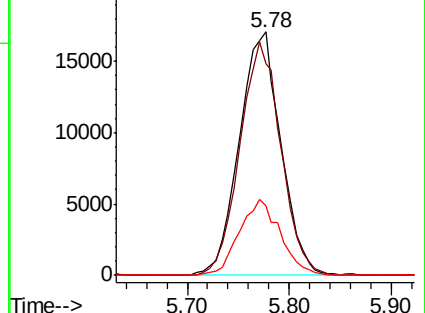
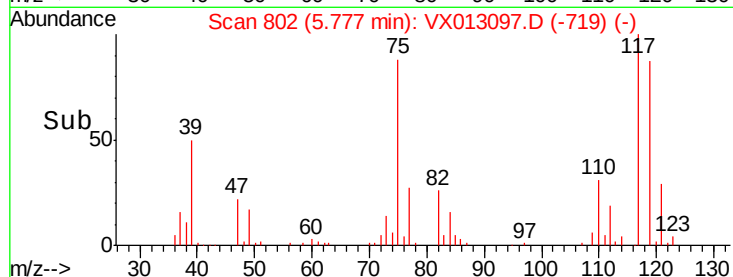
121 28.6 24.6 36.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#34

Benzene

Concen: 20.764 ug/l

RT: 6.13 min Scan# 860

Delta R.T. -0.01 min

Lab File: VX013097.D

Acq: 16 Oct 2019 15:51

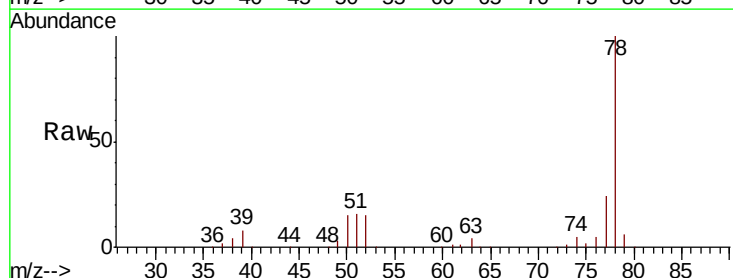
Tgt Ion: 78 Resp: 158622

Ion Ratio Lower Upper

78 100

77 23.8 18.5 27.7

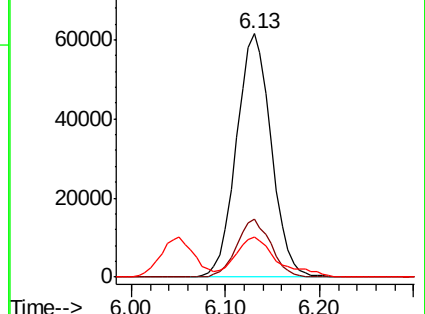
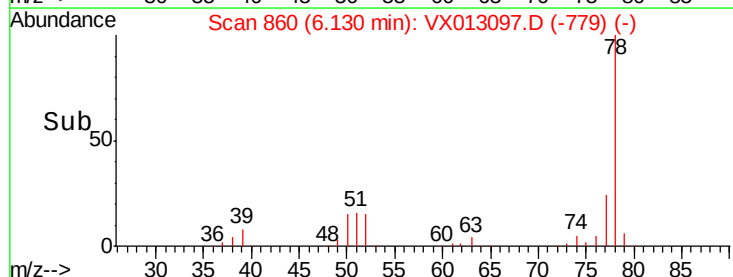
51 16.1 12.1 18.1

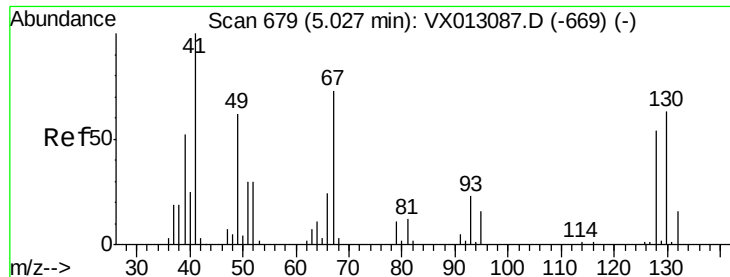


Abundance Ion 78.10 (77.80 to 78.80): VX0

Ion 77.00 (76.70 to 77.70): VX0

Ion 51.00 (50.70 to 51.70): VX0

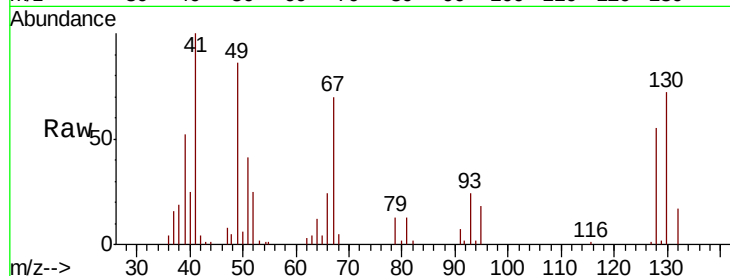




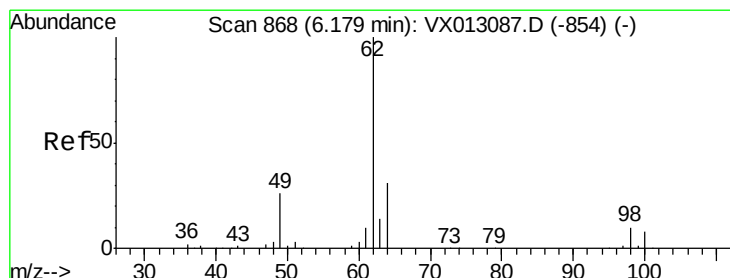
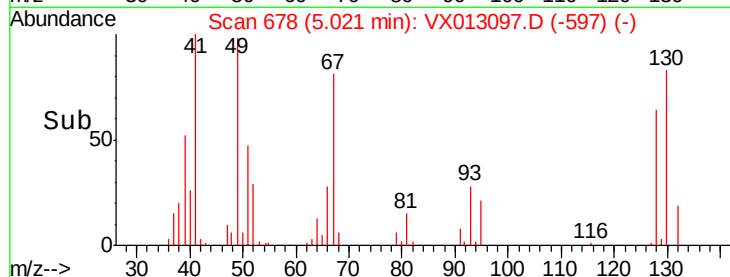
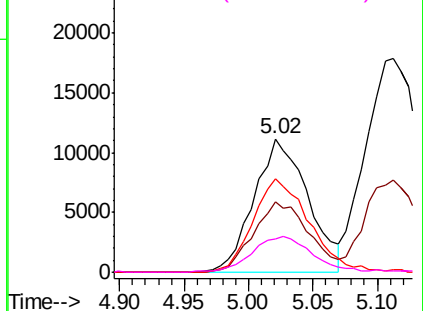
#35
Methacrylonitrile
Concen: 21.909 ug/l
RT: 5.02 min Scan# 678
Delta R.T. -0.01 min
Lab File: VX013097.D
Acq: 16 Oct 2019 15:51

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 41 Resp: 32564
Ion Ratio Lower Upper
41 100
39 52.4 26.3 78.8
67 70.4 36.5 109.5
52 24.7 15.3 45.8

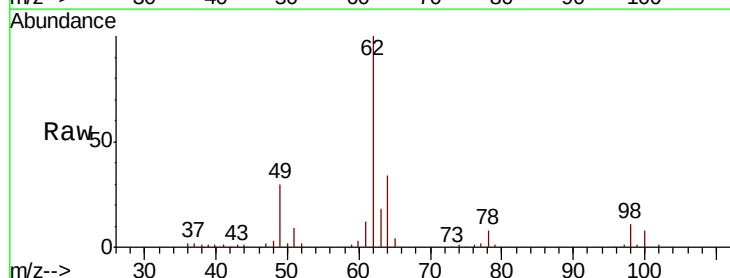


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

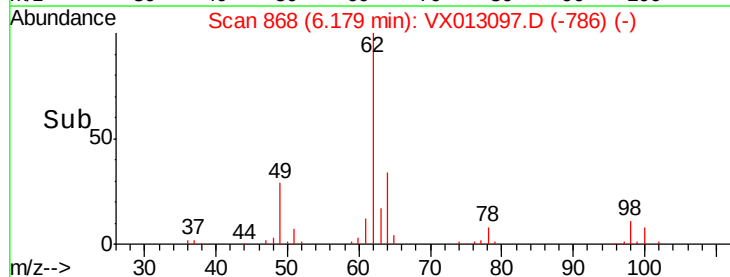
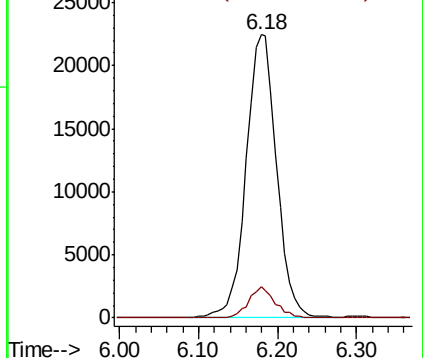


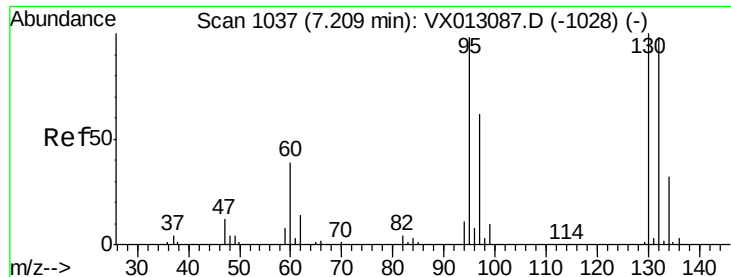
#36
1,2-Dichloroethane
Concen: 21.799 ug/l
RT: 6.18 min Scan# 868
Delta R.T. 0.00 min
Lab File: VX013097.D
Acq: 16 Oct 2019 15:51

Tgt Ion: 62 Resp: 60211
Ion Ratio Lower Upper
62 100
98 9.6 7.8 11.6



Abundance Ion 62.00 (61.70 to 62.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

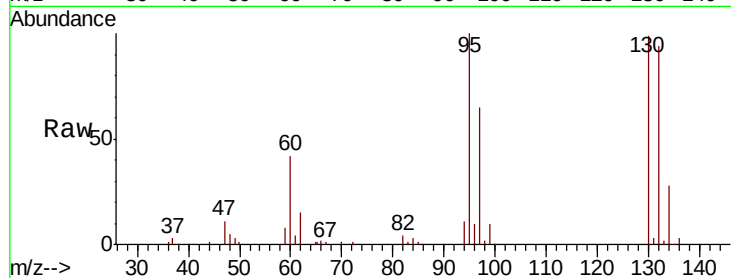




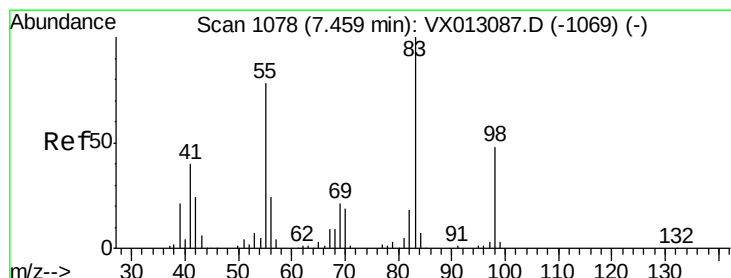
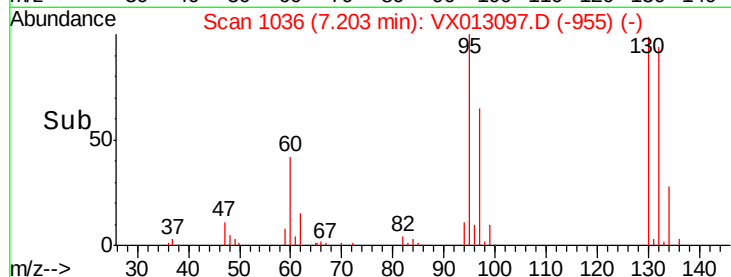
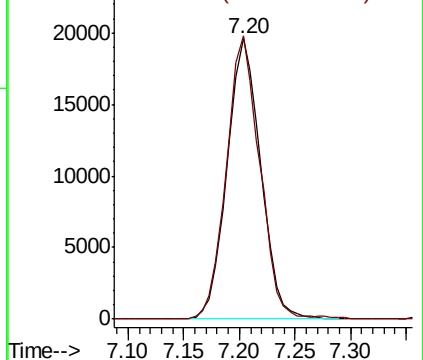
#37
 Trichloroethene
 Concen: 20.093 ug/l
 RT: 7.20 min Scan# 1036
 Delta R.T. -0.01 min
 Lab File: VX013097.D
 Acq: 16 Oct 2019 15:51

Instrument :
 MSVOA_X
 ClientSampled :

Tot Ion:130 Resp: 41009
 Ion Ratio Lower Upper
 130 100
 95 100.7 78.4 117.6

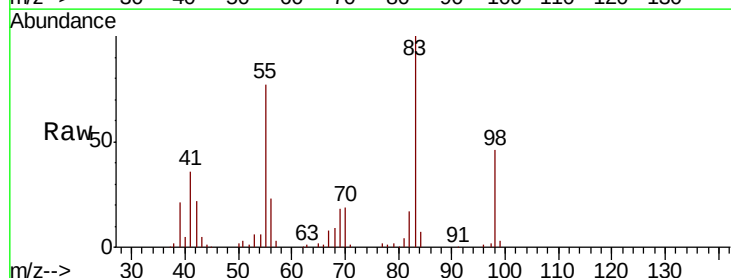


Abundance Ion 129.90 (129.60 to 130.60): VX0
 Ion 94.90 (94.60 to 95.60): VX0

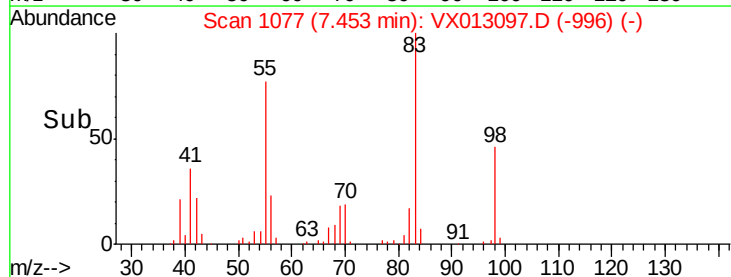
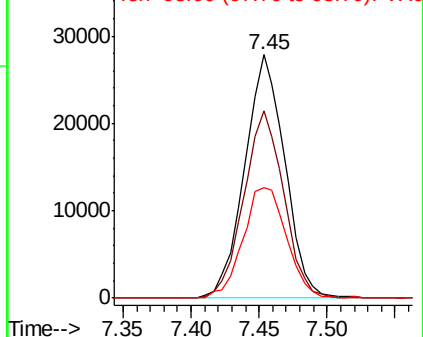


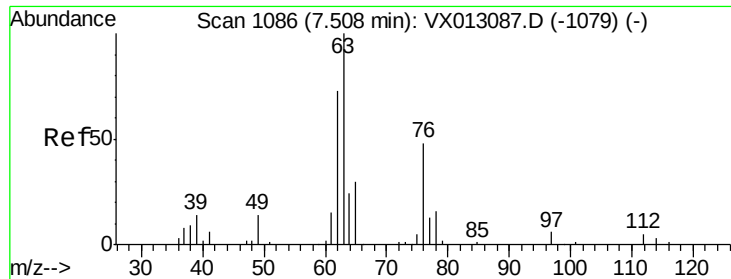
#38
 Methylcyclohexane
 Concen: 18.258 ug/l
 RT: 7.45 min Scan# 1077
 Delta R.T. -0.01 min
 Lab File: VX013097.D
 Acq: 16 Oct 2019 15:51

Tgt Ion: 83 Resp: 57504
 Ion Ratio Lower Upper
 83 100
 55 76.7 38.3 114.8
 98 49.3 24.9 74.7



Abundance Ion 83.00 (82.70 to 83.70): VX0
 Ion 55.00 (54.70 to 55.70): VX0
 Ion 98.00 (97.70 to 98.70): VX0

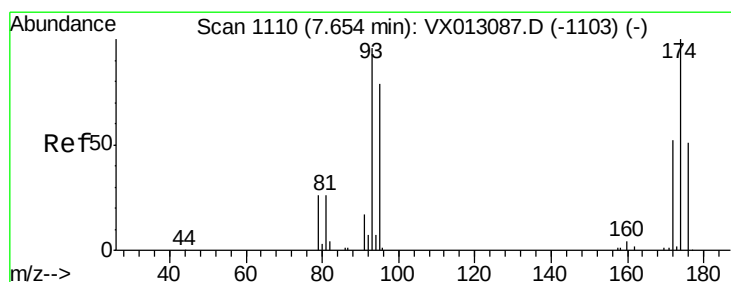
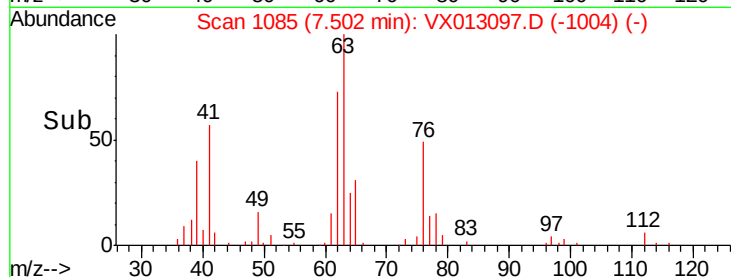
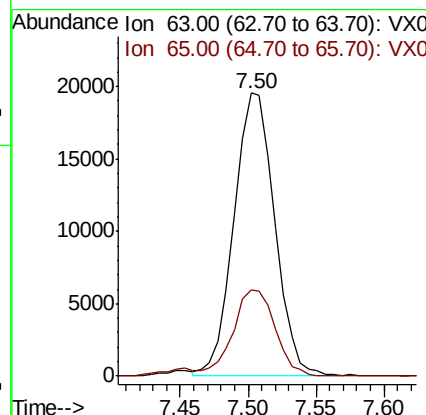
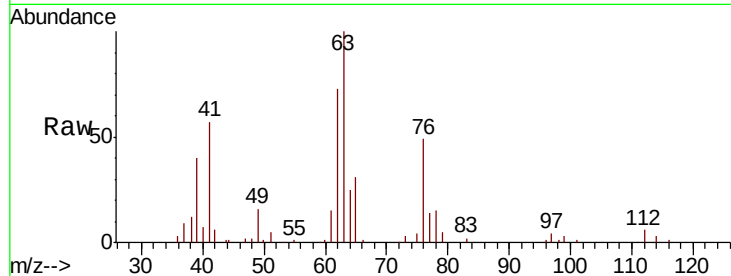




#39
 1,2-Dichloropropane
 Concen: 21.351 ug/l
 RT: 7.50 min Scan# 1085
 Delta R.T. -0.01 min
 Lab File: VX013097.D
 Acq: 16 Oct 2019 15:51

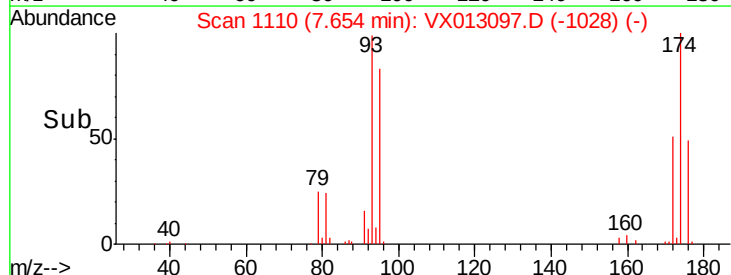
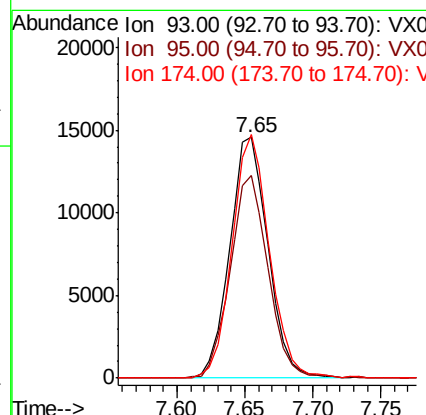
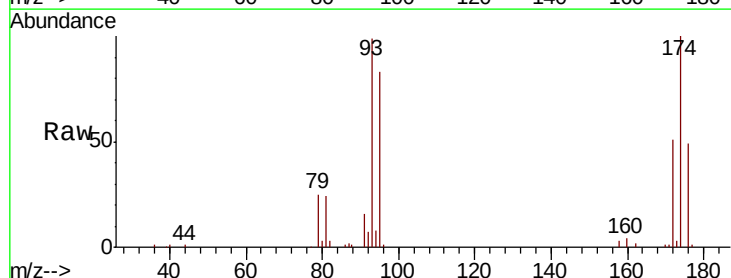
Instrument :
 MSVOA_X
 ClientSampleId :

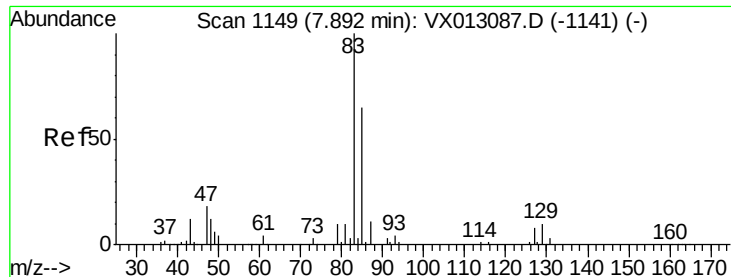
Tot Ion: 63 Resp: 40962
 Ion Ratio Lower Upper
 63 100
 65 30.7 25.6 38.4



#40
 Dibromomethane
 Concen: 21.876 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. -0.00 min
 Lab File: VX013097.D
 Acq: 16 Oct 2019 15:51

Tgt Ion: 93 Resp: 28501
 Ion Ratio Lower Upper
 93 100
 95 82.8 0.0 171.2
 174 98.2 0.0 208.2





#41

Bromodichloromethane

Concen: 20.476 ug/l

RT: 7.89 min Scan# 1148

Delta R.T. -0.01 min

Lab File: VX013097.D

Acq: 16 Oct 2019 15:51

Instrument :

MSVOA_X

ClientSampleId :

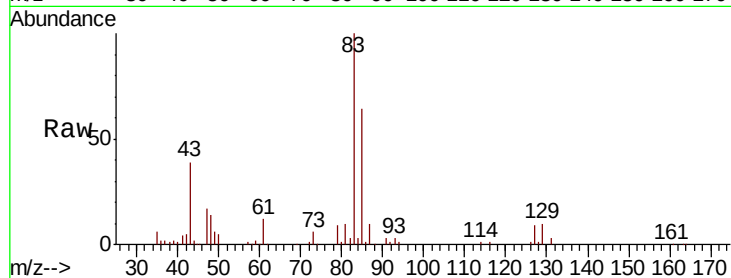
Tot Ion: 83 Resp: 52967

Ion Ratio Lower Upper

83 100

85 64.0 51.8 77.8

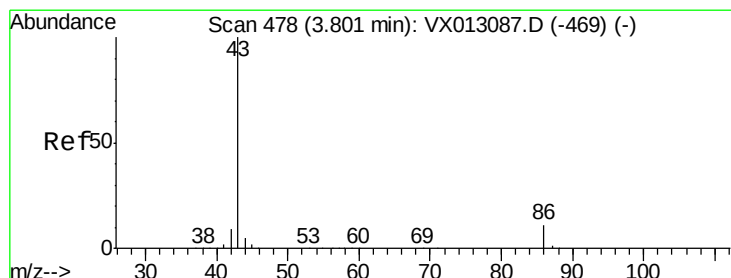
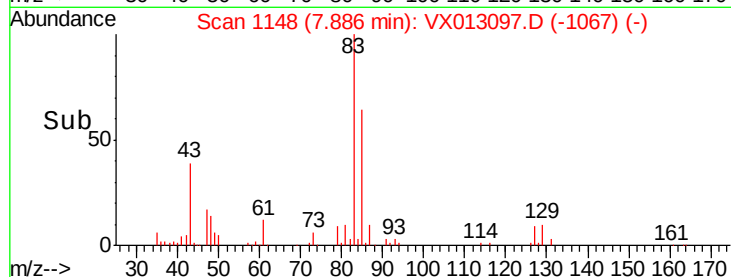
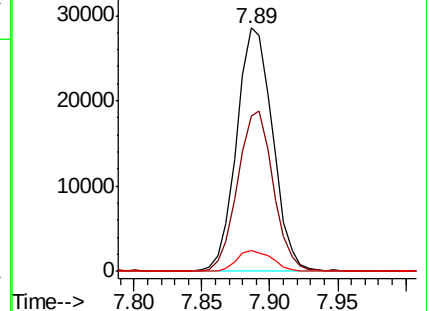
127 8.8 6.7 10.1



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0

Ion 127.00 (126.70 to 127.70): V



#42

Vinyl Acetate

Concen: 109.224 ug/l

RT: 3.80 min Scan# 478

Delta R.T. -0.00 min

Lab File: VX013097.D

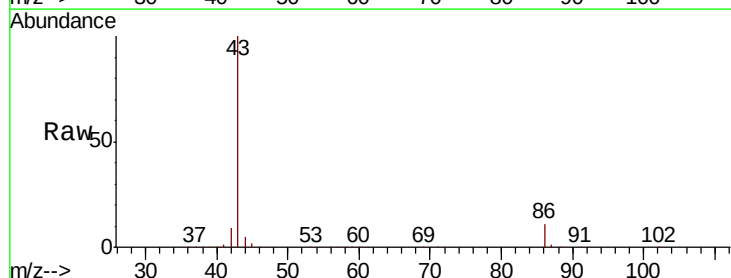
Acq: 16 Oct 2019 15:51

Tgt Ion: 43 Resp: 542142

Ion Ratio Lower Upper

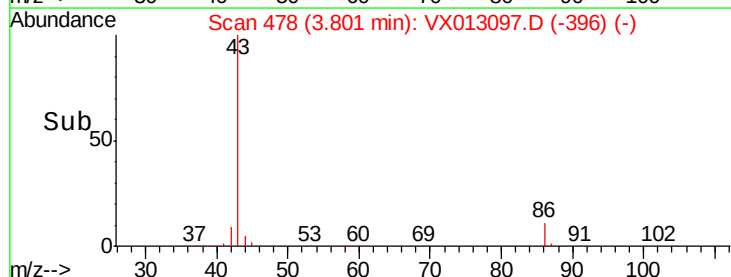
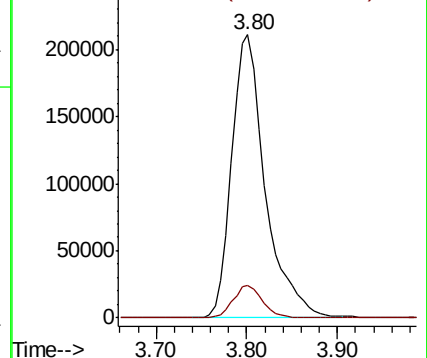
43 100

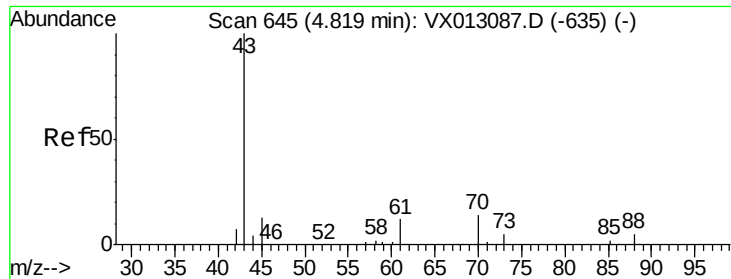
86 10.2 8.2 12.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0





#43

Ethyl Acetate

Concen: 21.624 ug/l

RT: 4.81 min Scan# 644

Delta R.T. -0.01 min

Lab File: VX013097.D

Acq: 16 Oct 2019 15:51

Instrument :

MSVOA_X

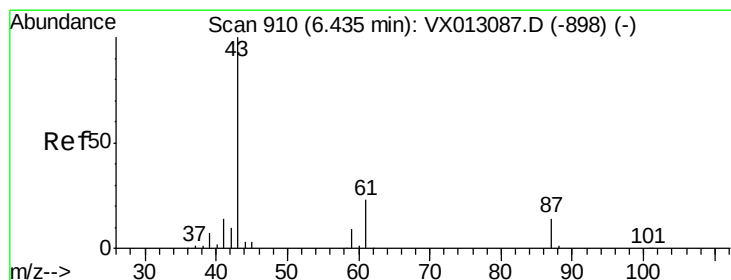
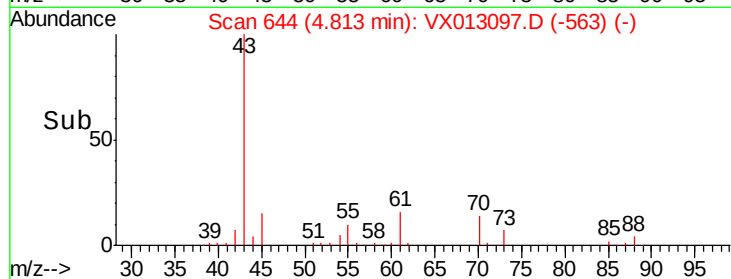
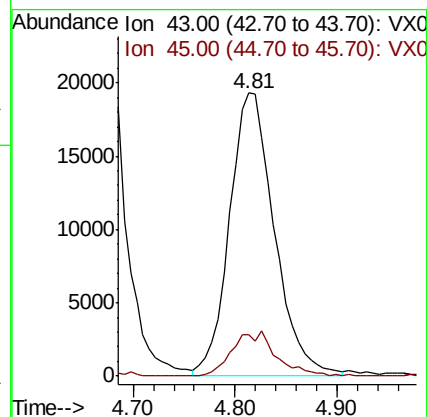
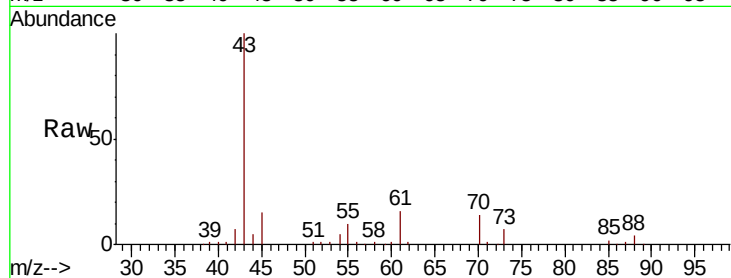
ClientSampleId :

Tot Ion: 43 Resp: 58985

Ion Ratio Lower Upper

43 100

45 8.6 12.8 19.2#



#44

Isopropyl Acetate

Concen: 21.959 ug/l

RT: 6.43 min Scan# 909

Delta R.T. -0.01 min

Lab File: VX013097.D

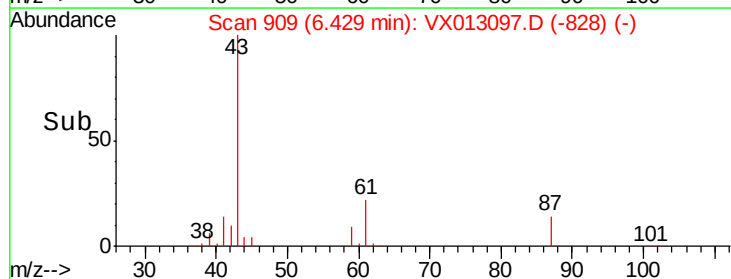
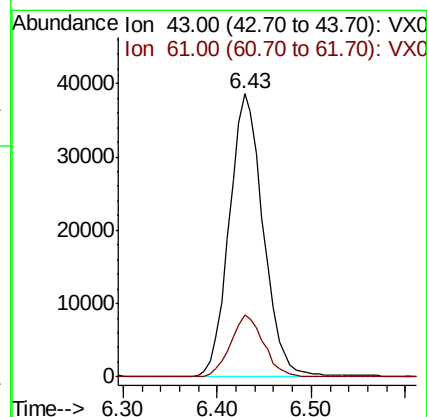
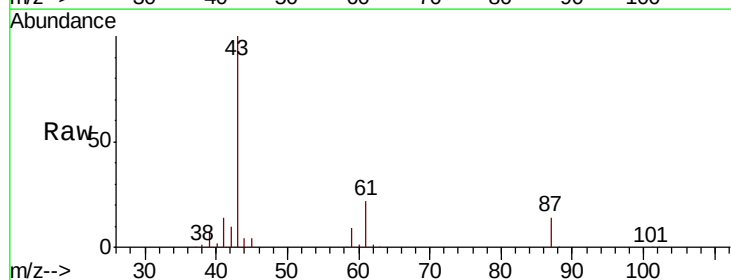
Acq: 16 Oct 2019 15:51

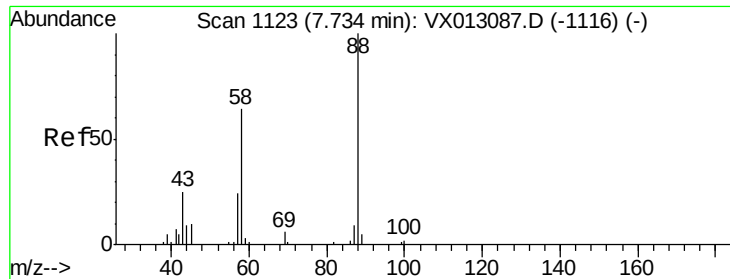
Tgt Ion: 43 Resp: 96597

Ion Ratio Lower Upper

43 100

61 21.2 16.7 25.1

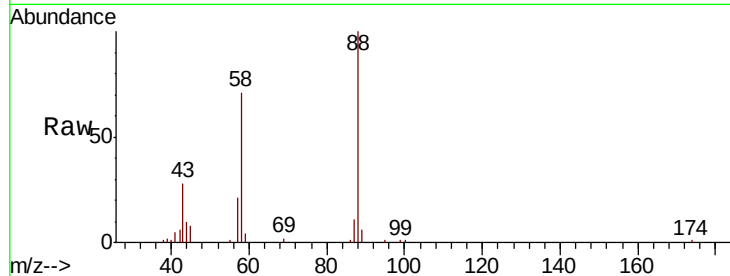




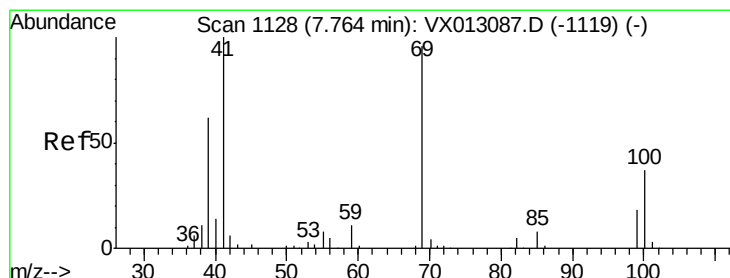
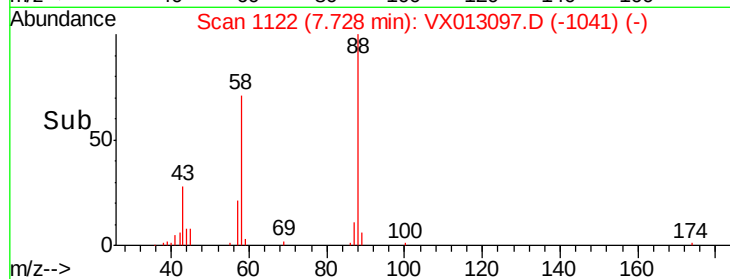
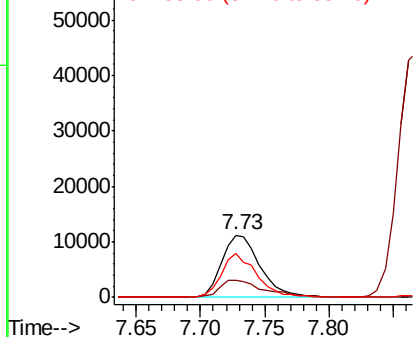
#45
1,4-Dioxane
Concen: 432.200 ug/l
RT: 7.73 min Scan# 1122
Delta R.T. -0.01 min
Lab File: VX013097.D
Acq: 16 Oct 2019 15:51

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 88 Resp: 23366
Ion Ratio Lower Upper
88 100
43 32.0 26.0 39.0
58 65.8 53.0 79.4

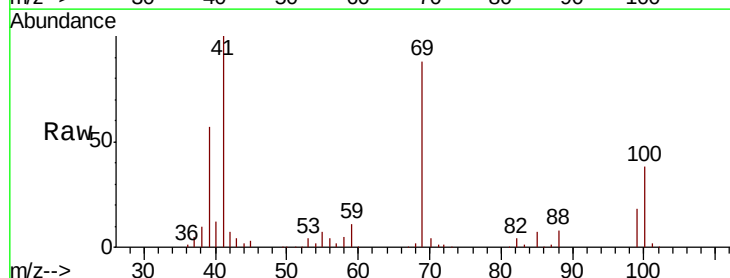


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

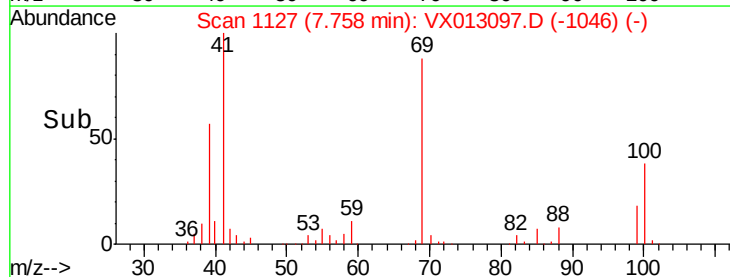
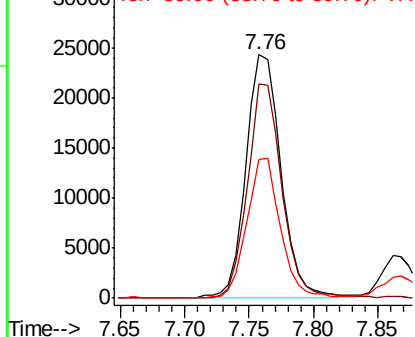


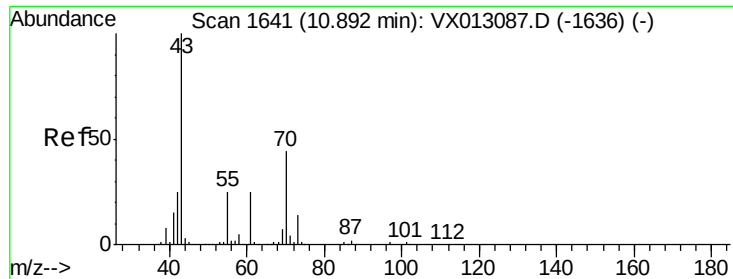
#46
Methyl methacrylate
Concen: 21.227 ug/l
RT: 7.76 min Scan# 1127
Delta R.T. -0.01 min
Lab File: VX013097.D
Acq: 16 Oct 2019 15:51

Tgt Ion: 41 Resp: 45638
Ion Ratio Lower Upper
41 100
69 88.0 48.1 144.3
39 57.1 31.2 93.6



Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 39.00 (38.70 to 39.70): VX0





#47

n-amvl Acetate

Concen: 20.587 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VX013097.D

Acq: 16 Oct 2019 15:51

Instrument :

MSVOA_X

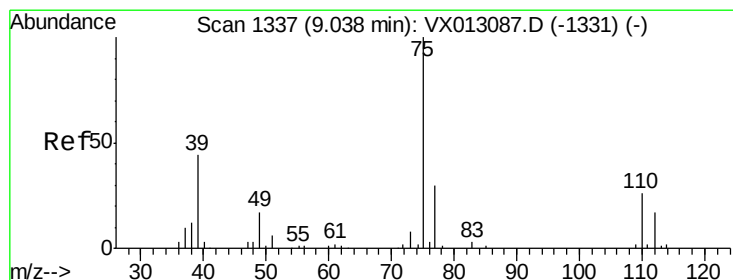
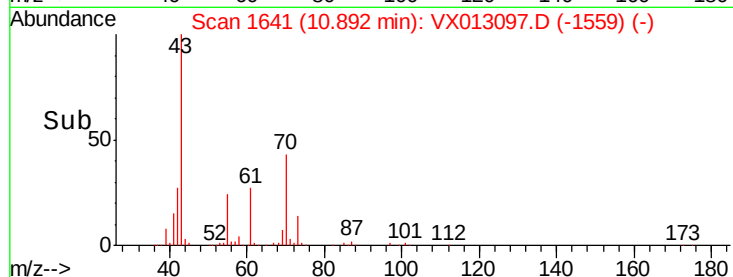
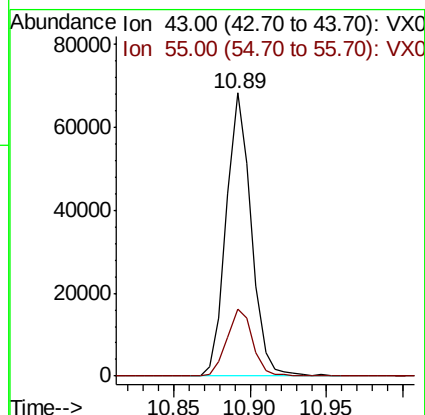
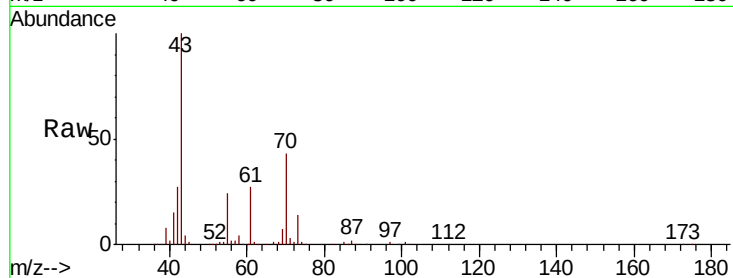
ClientSampleId :

Tot Ion: 43 Resp: 77104

Ion Ratio Lower Upper

43 100

55 24.7 20.6 31.0



#48

t-1,3-Dichloropropene

Concen: 20.698 ug/l

RT: 9.03 min Scan# 1336

Delta R.T. -0.01 min

Lab File: VX013097.D

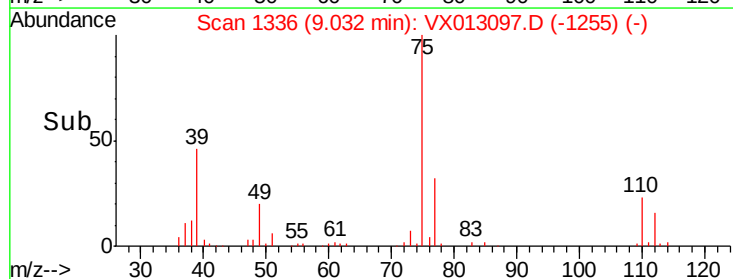
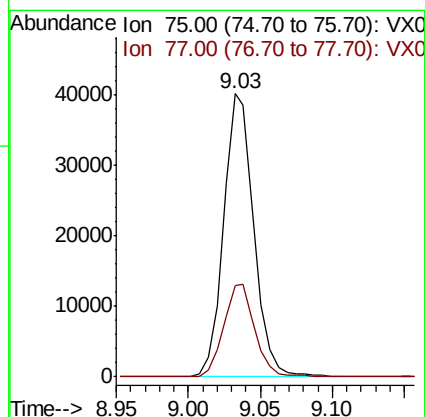
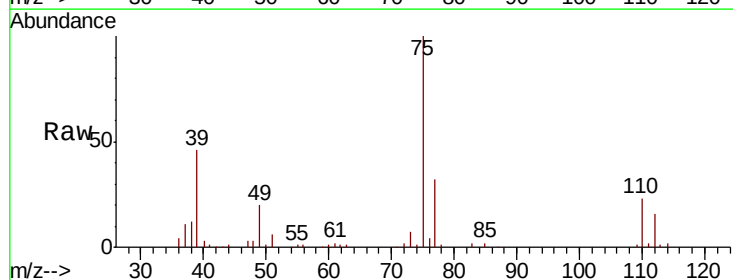
Acq: 16 Oct 2019 15:51

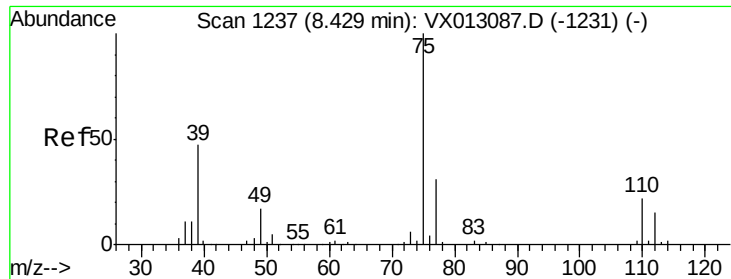
Tgt Ion: 75 Resp: 59259

Ion Ratio Lower Upper

75 100

77 32.2 23.7 35.5

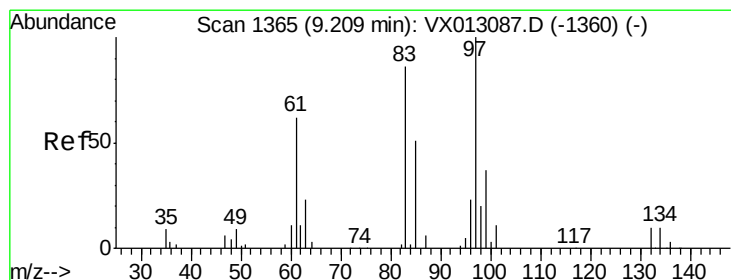
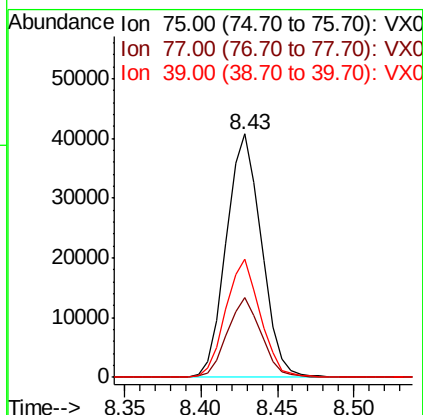
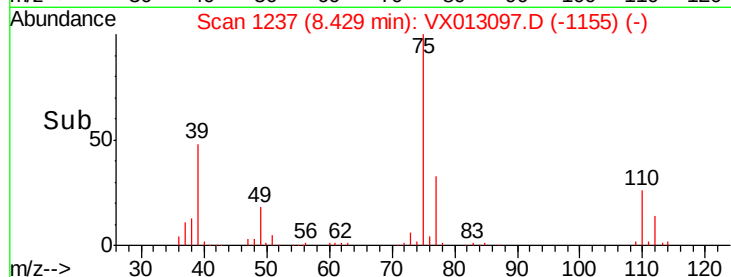
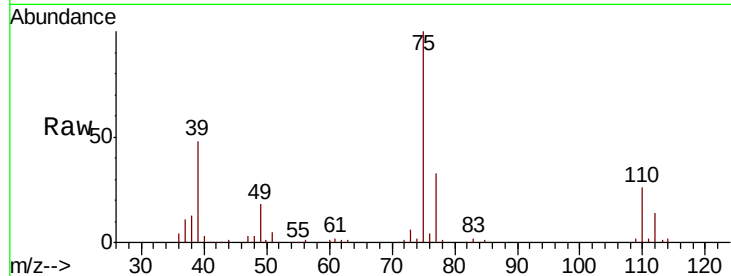




#49
 cis-1,3-Dichloropropene
 Concen: 20.574 ug/l
 RT: 8.43 min Scan# 1237
 Delta R.T. -0.00 min
 Lab File: VX013097.D
 Acq: 16 Oct 2019 15:51

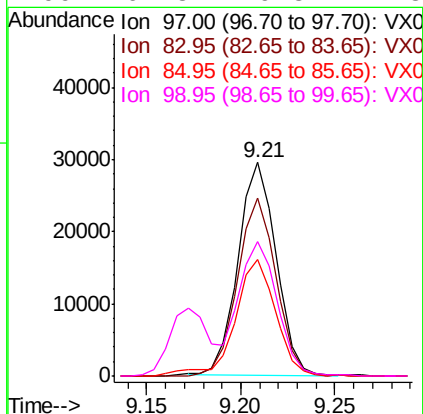
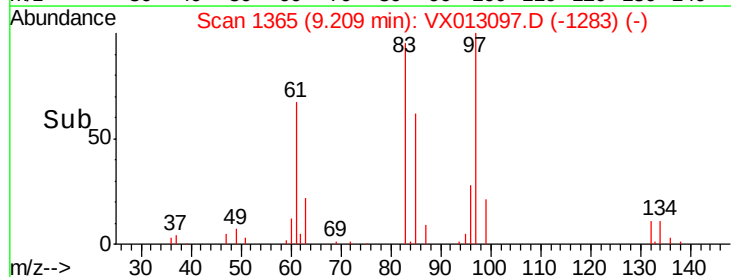
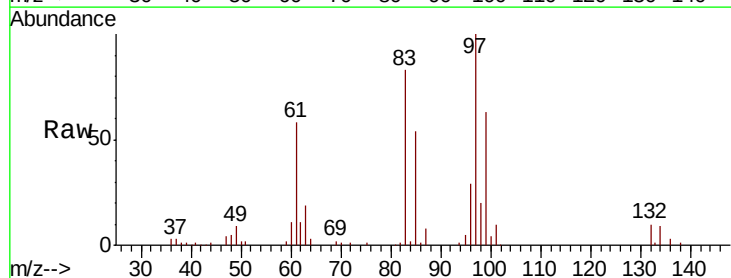
Instrument :
 MSVOA_X
 ClientSampleId :

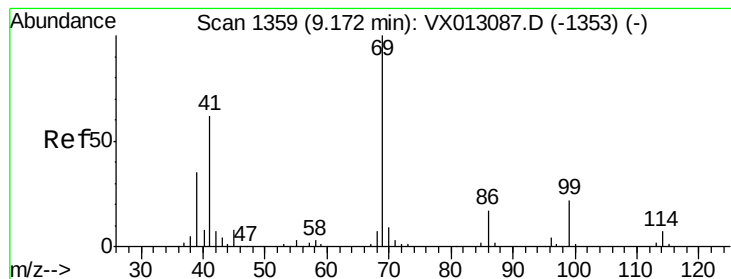
Tot Ion: 75 Resp: 64981
 Ion Ratio Lower Upper
 75 100
 77 32.7 24.7 37.1
 39 48.2 37.4 56.0



#50
 1,1,2-Trichloroethane
 Concen: 21.046 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VX013097.D
 Acq: 16 Oct 2019 15:51

Tgt Ion: 97 Resp: 41382
 Ion Ratio Lower Upper
 97 100
 83 83.7 68.1 102.1
 85 54.3 42.6 64.0
 99 62.8 49.8 74.8





#51

Ethyl methacrylate

Concen: 21.184 ug/l

RT: 9.17 min Scan# 1359

Delta R.T. 0.00 min

Lab File: VX013097.D

Acq: 16 Oct 2019 15:51

Instrument :

MSVOA_X

ClientSampleId :

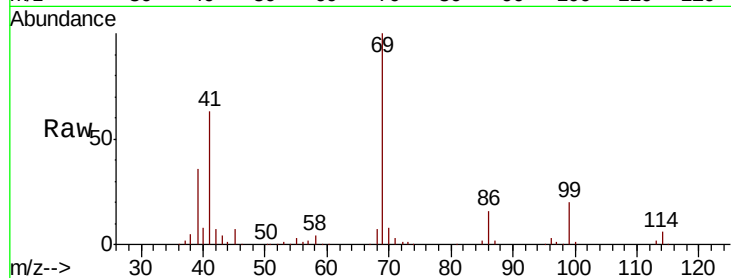
Tot Ion: 69 Resp: 65510

Ion Ratio Lower Upper

69 100

41 63.2 31.1 93.3

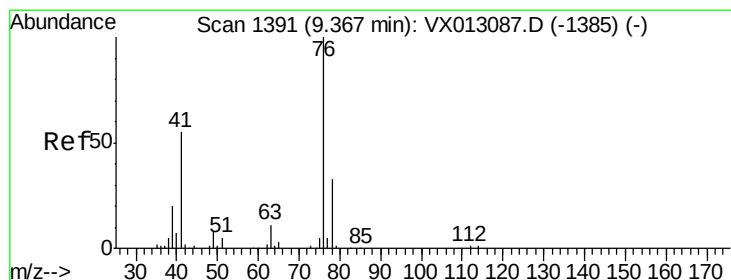
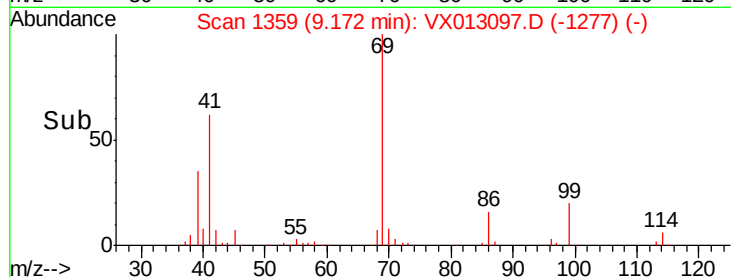
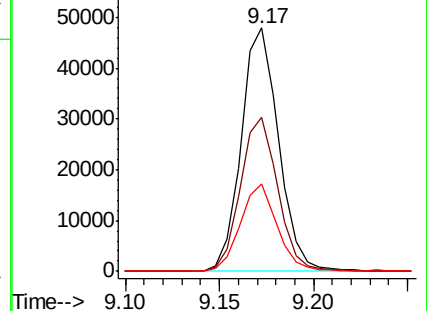
39 35.8 17.6 52.9



Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0



#52

1,3-Dichloropropane

Concen: 21.566 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VX013097.D

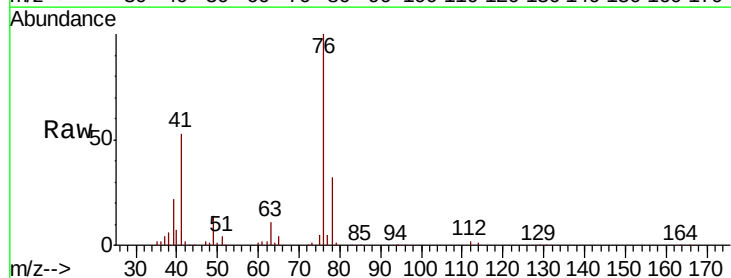
Acq: 16 Oct 2019 15:51

Tgt Ion: 76 Resp: 71167

Ion Ratio Lower Upper

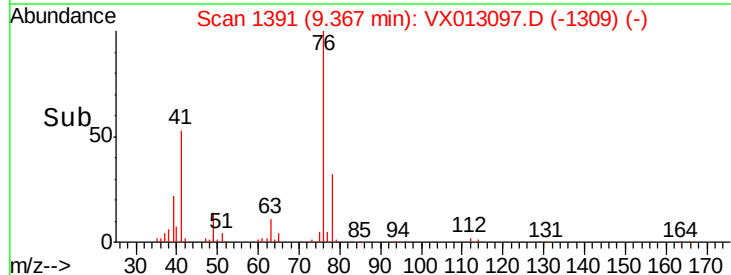
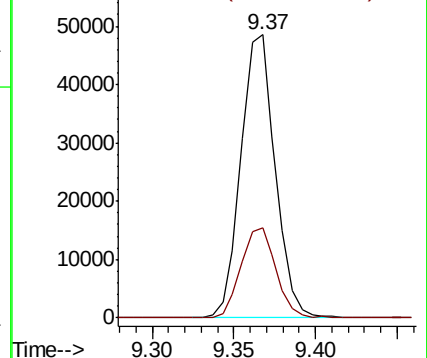
76 100

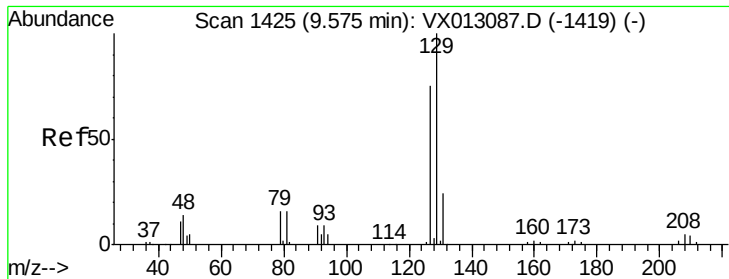
78 32.4 0.0 64.2



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0





#53

Dibromochloromethane

Concen: 20.426 ug/l

RT: 9.57 min Scan# 1425

Delta R.T. 0.00 min

Lab File: VX013097.D

Acq: 16 Oct 2019 15:51

Instrument :

MSVOA_X

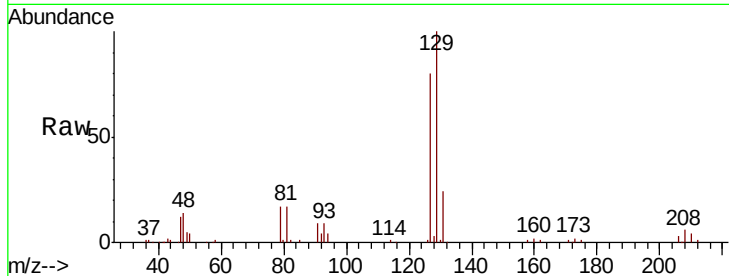
ClientSampleId :

Tot Ion:129 Resp: 41244

Ion Ratio Lower Upper

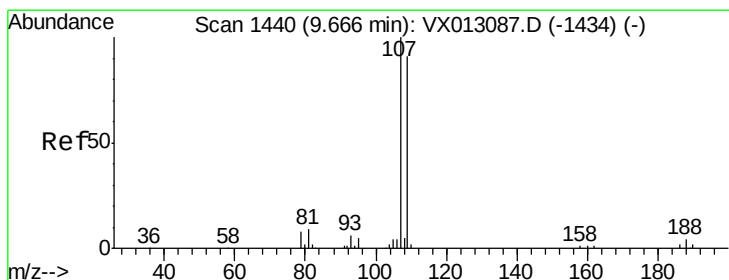
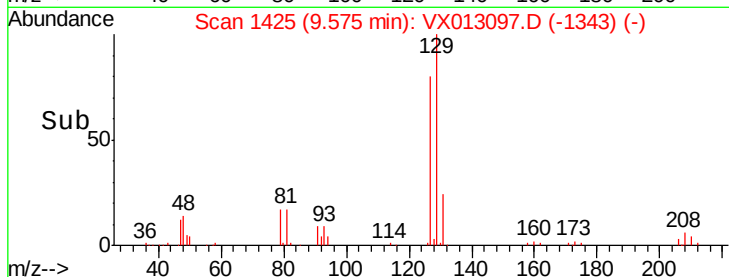
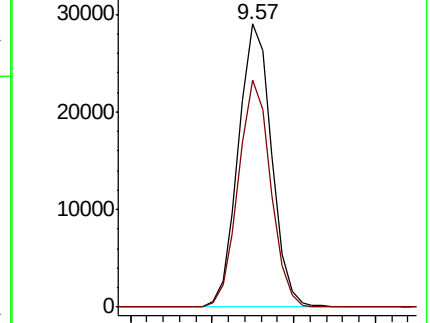
129 100

127 77.7 38.0 113.9



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 21.449 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. -0.00 min

Lab File: VX013097.D

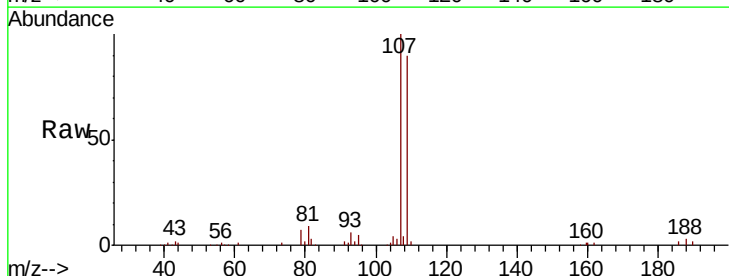
Acq: 16 Oct 2019 15:51

Tgt Ion:107 Resp: 44359

Ion Ratio Lower Upper

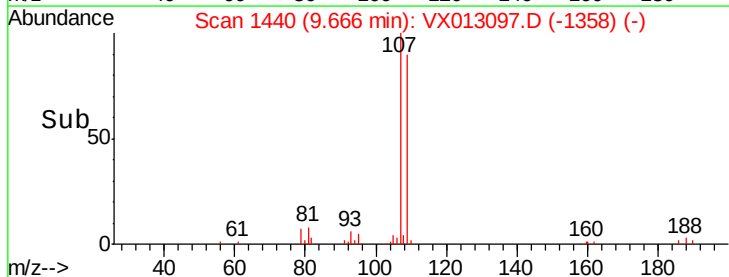
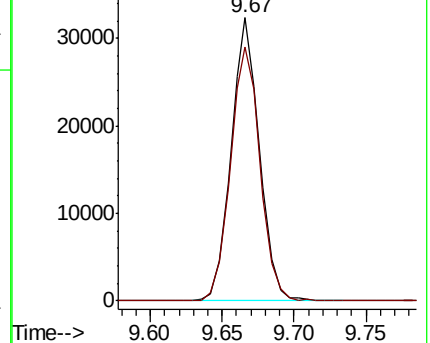
107 100

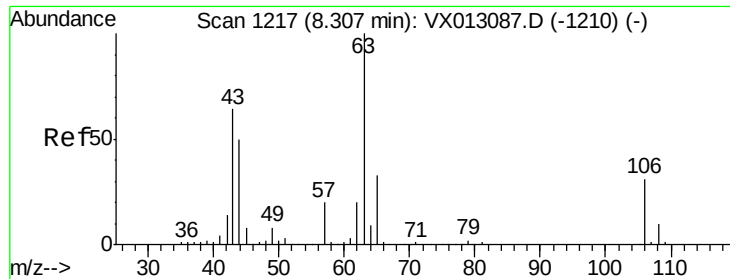
109 93.9 73.6 110.4



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

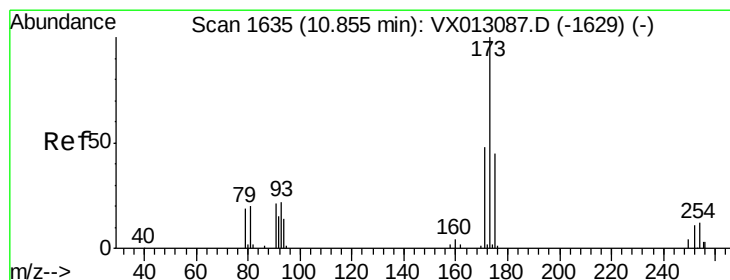
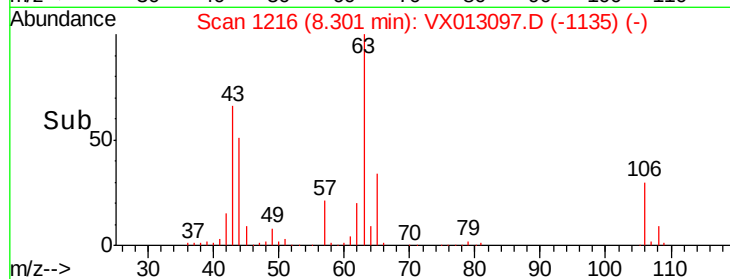
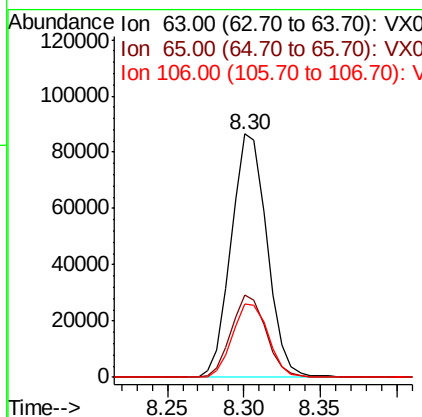
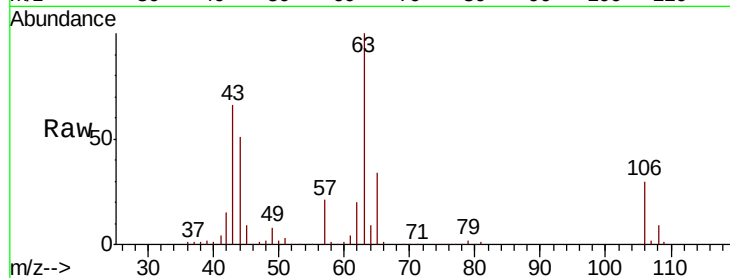




#55
2-Chloroethyl vinyl ether
Concen: 103.393 ug/l
RT: 8.30 min Scan# 1216
Delta R.T. -0.01 min
Lab File: VX013097.D
Acq: 16 Oct 2019 15:51

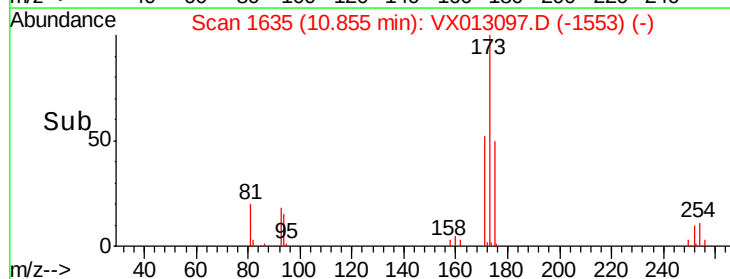
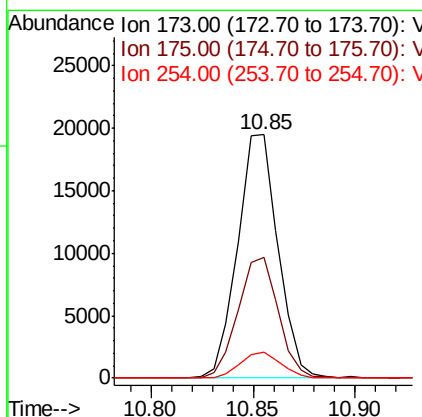
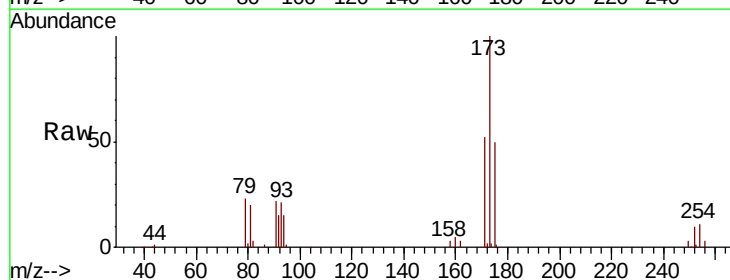
Instrument :
MSVOA_X
ClientSampleId :

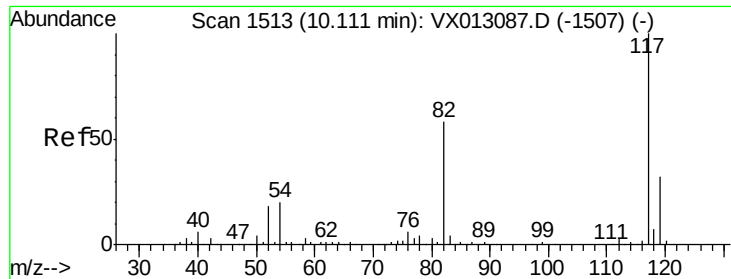
Tot Ion	Ratio	Lower	Upper
63	100		
65	33.0	25.9	38.9
106	30.3	24.3	36.5



#56
Bromoform
Concen: 19.157 ug/l
RT: 10.85 min Scan# 1635
Delta R.T. -0.00 min
Lab File: VX013097.D
Acq: 16 Oct 2019 15:51

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.5	37.8	56.8
254	10.6	7.9	11.9

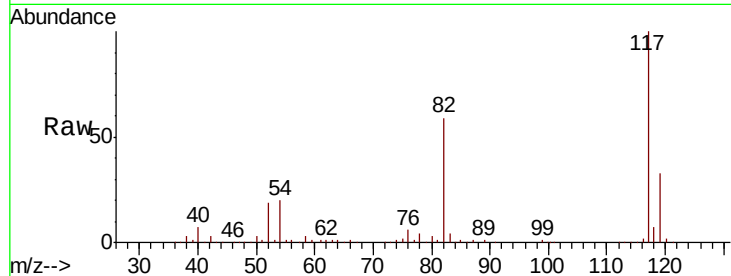




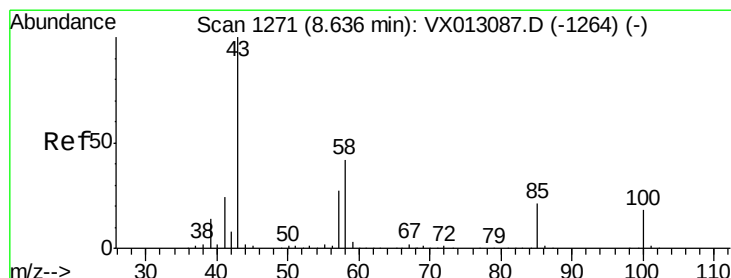
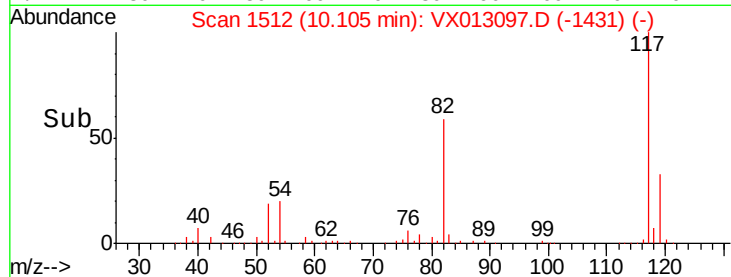
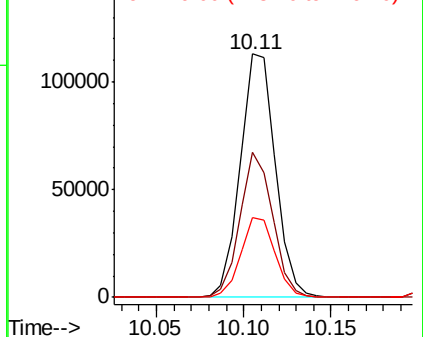
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX013097.D
Acq: 16 Oct 2019 15:51

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 157550
Ion Ratio Lower Upper
117 100
82 56.1 46.7 70.1
119 32.1 25.8 38.6

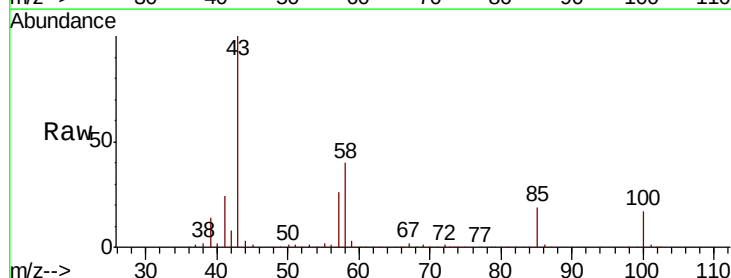


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 119.00 (118.70 to 119.70): V

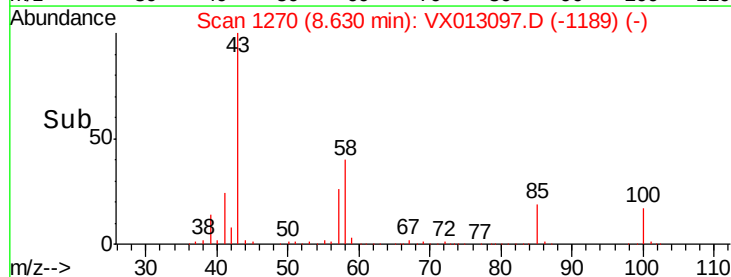
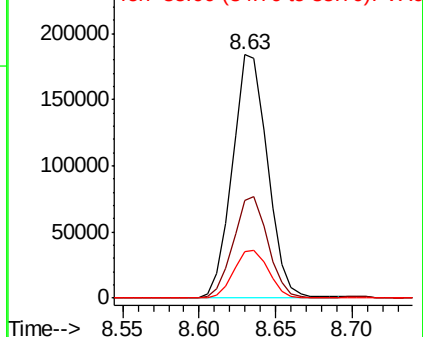


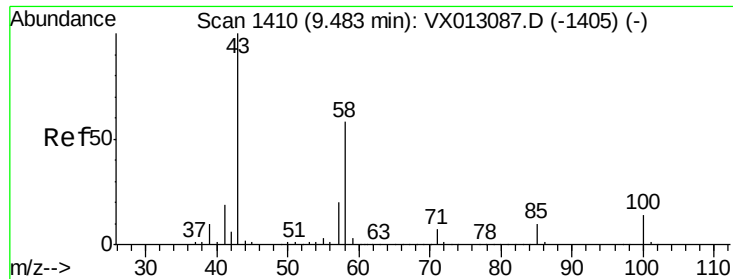
#58
4-Methyl-2-Pentanone
Concen: 102.387 ug/l
RT: 8.63 min Scan# 1270
Delta R.T. -0.01 min
Lab File: VX013097.D
Acq: 16 Oct 2019 15:51

Tgt Ion: 43 Resp: 293515
Ion Ratio Lower Upper
43 100
58 41.0 33.0 49.4
85 19.7 16.0 24.0



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0
Ion 85.00 (84.70 to 85.70): VX0

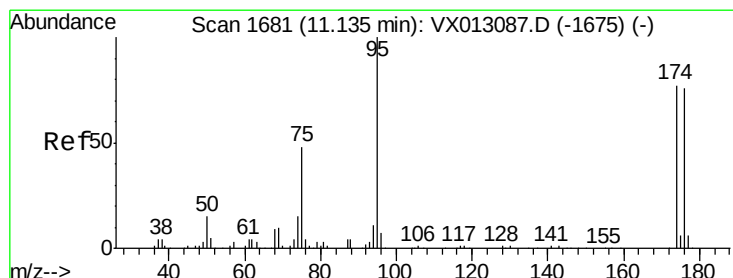
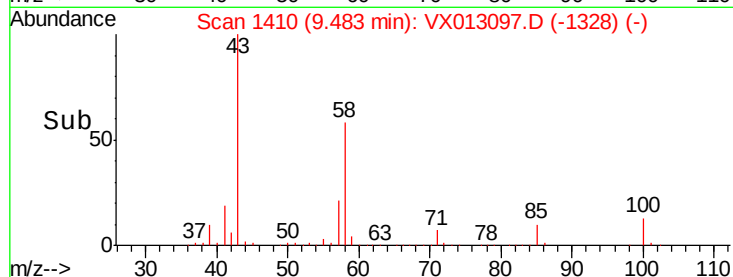
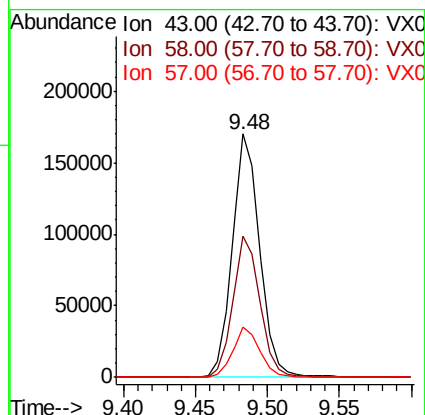
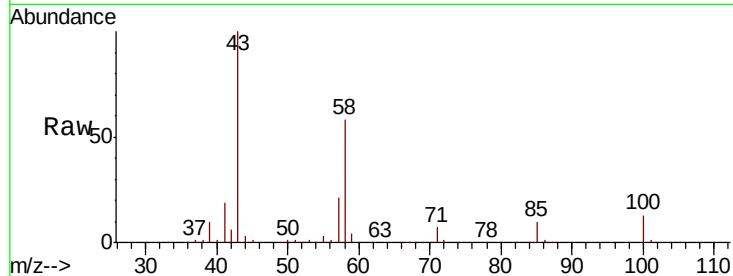




#59
2-Hexanone
Concen: 101.783 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. -0.00 min
Lab File: VX013097.D
Acq: 16 Oct 2019 15:51

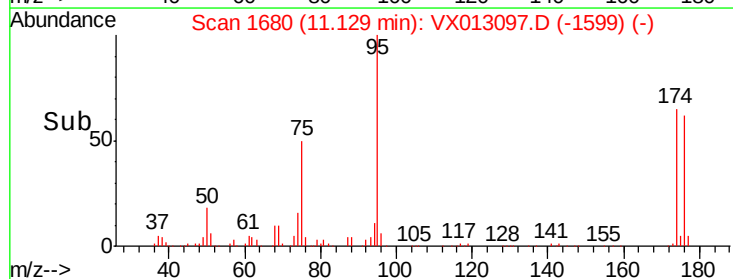
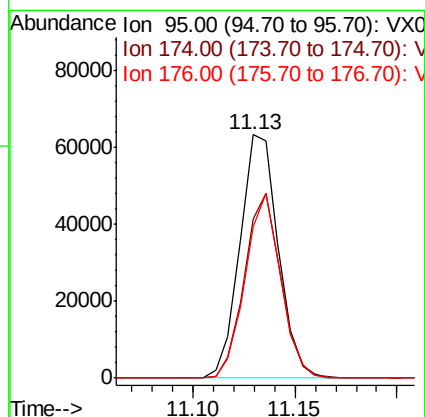
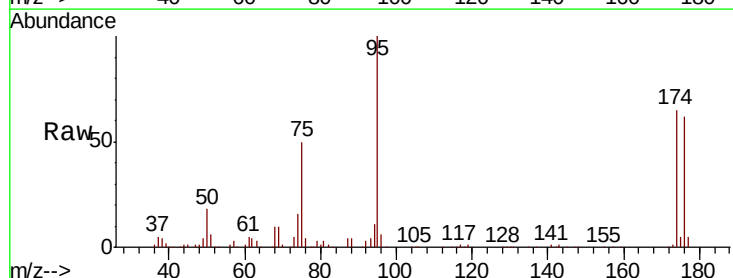
Instrument :
MSVOA_X
ClientSampleId :

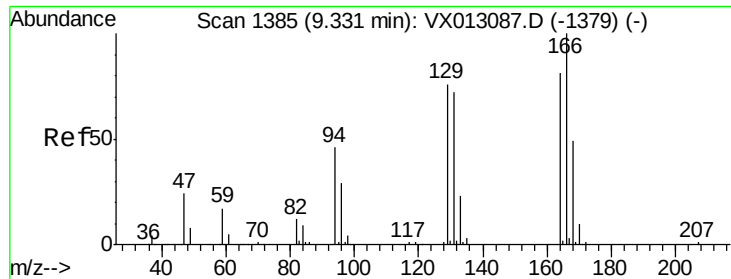
Tot Ion: 43 Resp: 227693
Ion Ratio Lower Upper
43 100
58 57.6 45.4 68.2
57 20.3 16.2 24.2



#60
4-Bromofluorobenzene
Concen: 29.965 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.01 min
Lab File: VX013097.D
Acq: 16 Oct 2019 15:51

Tgt Ion: 95 Resp: 82636
Ion Ratio Lower Upper
95 100
174 72.2 58.8 88.2
176 70.2 56.6 84.8





#61

Tetrachloroethene

Concen: 19.410 ug/l

RT: 9.33 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VX013097.D

Acq: 16 Oct 2019 15:51

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:164 Resp: 38961

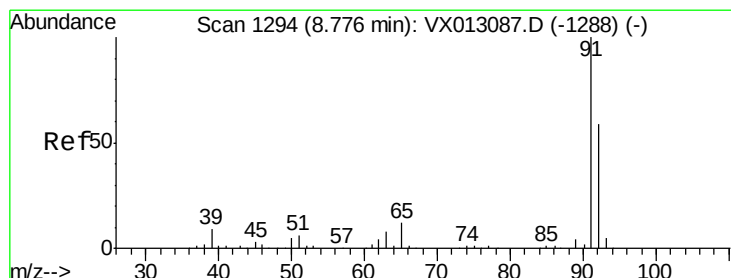
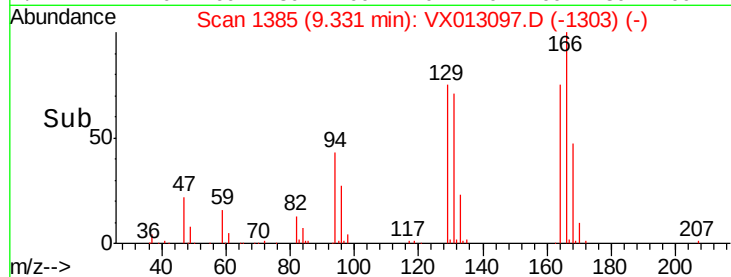
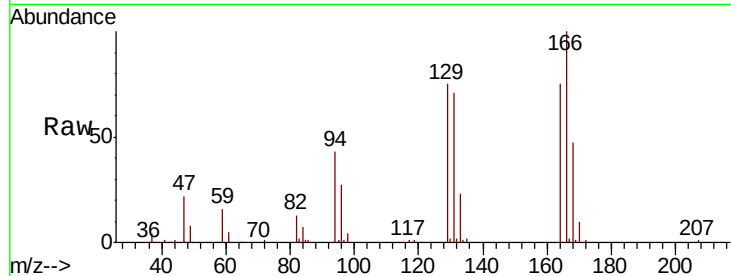
Ion Ratio Lower Upper

164 100

166 133.7 98.4 147.6

129 99.6 75.2 112.8

131 94.6 70.4 105.6



#62

Toluene

Concen: 19.827 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX013097.D

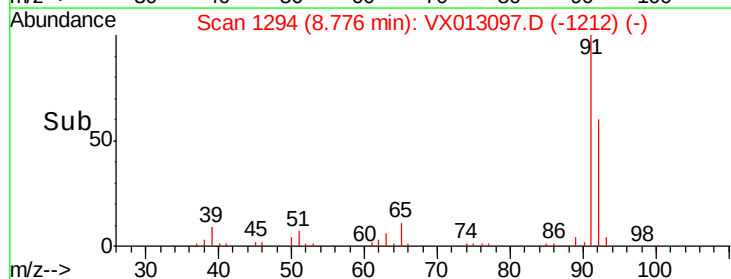
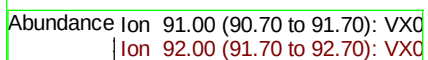
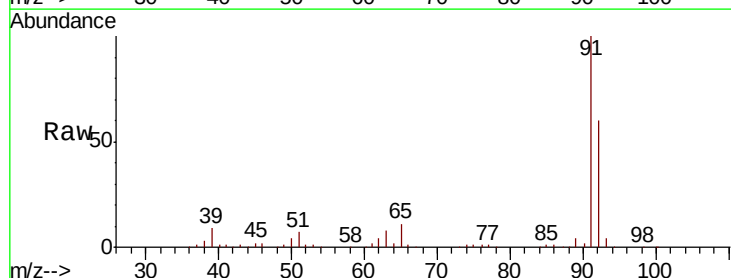
Acq: 16 Oct 2019 15:51

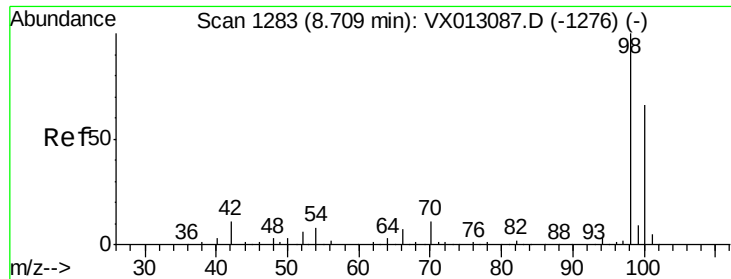
Tgt Ion: 91 Resp: 169762

Ion Ratio Lower Upper

91 100

92 60.4 47.6 71.4

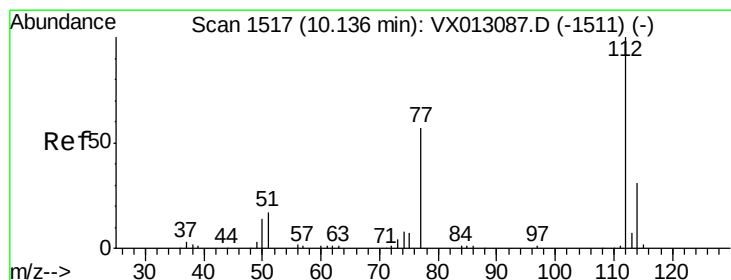
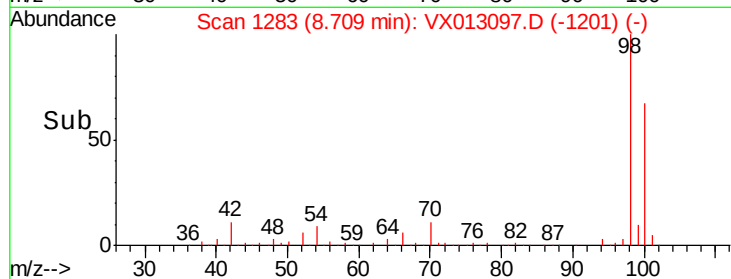
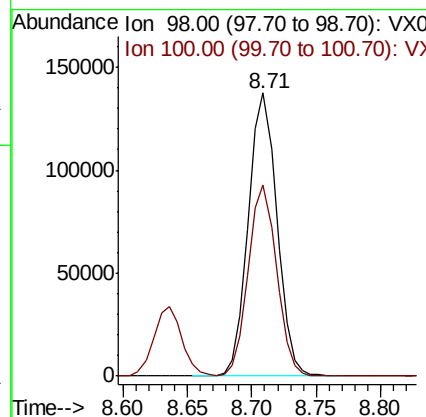
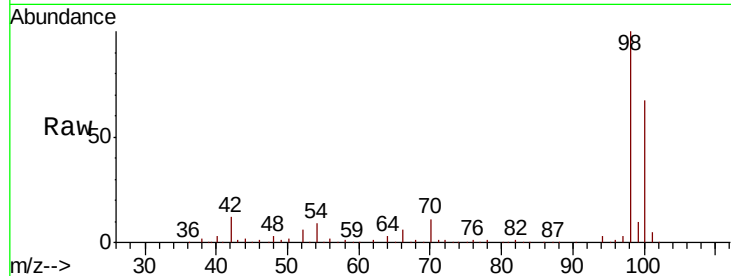




#63
Toluene-d8
Concen: 29.434 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX013097.D
Acq: 16 Oct 2019 15:51

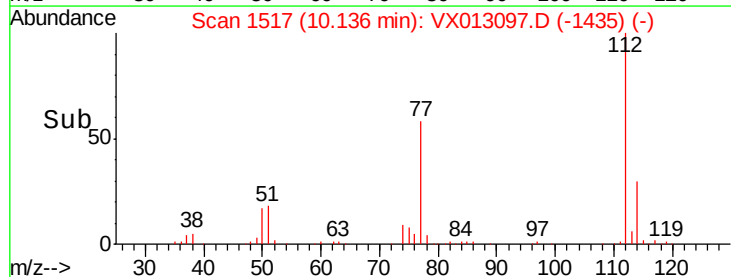
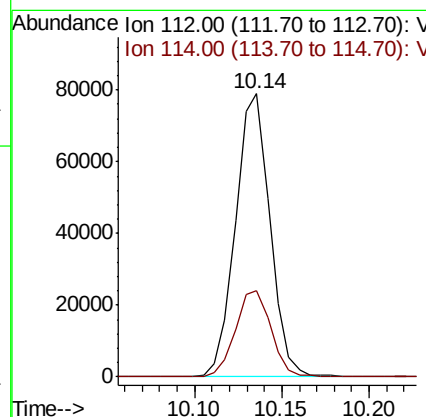
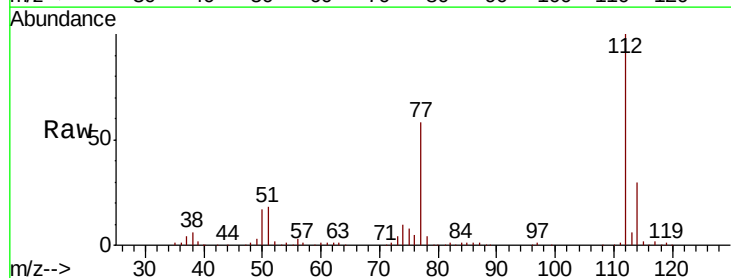
Instrument :
MSVOA_X
ClientSampleId :

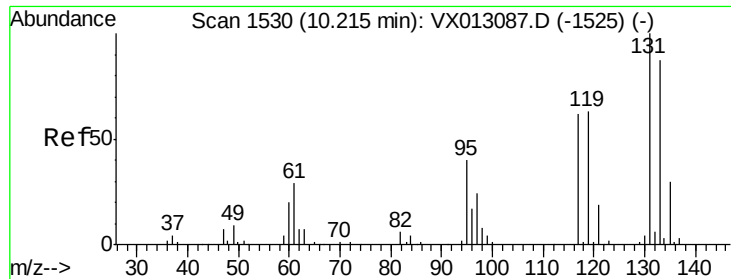
Tot Ion: 98 Resp: 211564
Ion Ratio Lower Upper
98 100
100 66.7 53.8 80.6



#64
Chlorobenzene
Concen: 19.876 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VX013097.D
Acq: 16 Oct 2019 15:51

Tgt Ion: 112 Resp: 108156
Ion Ratio Lower Upper
112 100
114 30.4 25.2 37.8

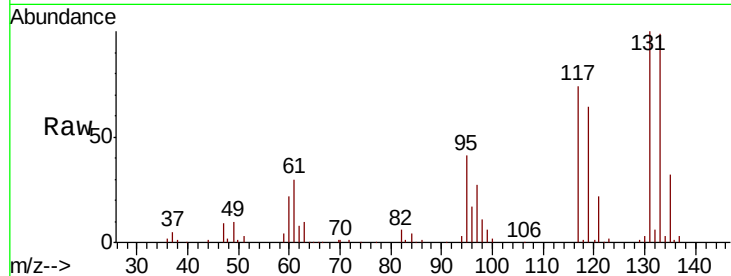




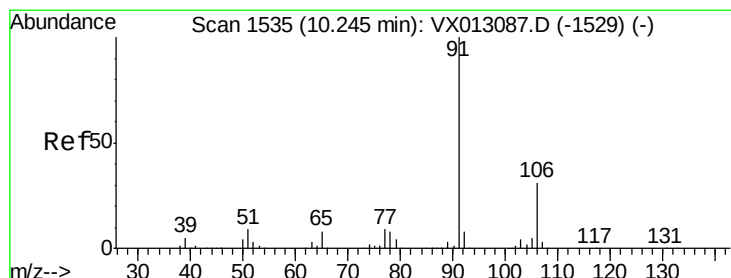
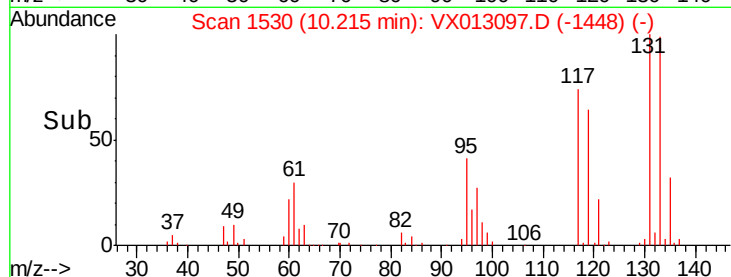
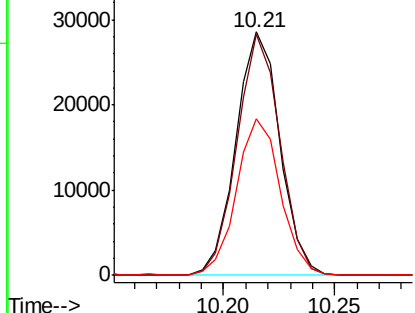
#65
 1,1,1,2-Tetrachloroethane
 Concen: 19.665 ug/l
 RT: 10.21 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VX013097.D
 Acq: 16 Oct 2019 15:51

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:131 Resp: 39303
 Ion Ratio Lower Upper
 131 100
 133 97.1 0.0 187.8
 119 64.2 0.0 128.4

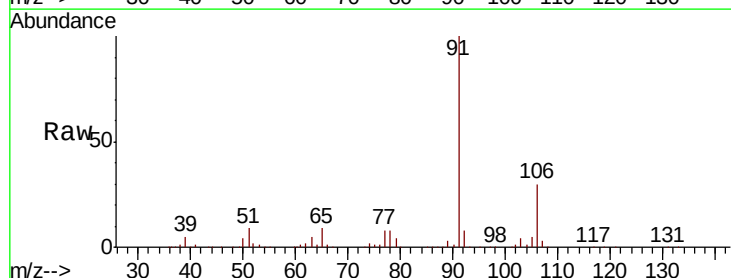


Abundance Ion 131.00 (130.70 to 131.70): V
 Ion 133.00 (132.70 to 133.70): V
 Ion 119.00 (118.70 to 119.70): V

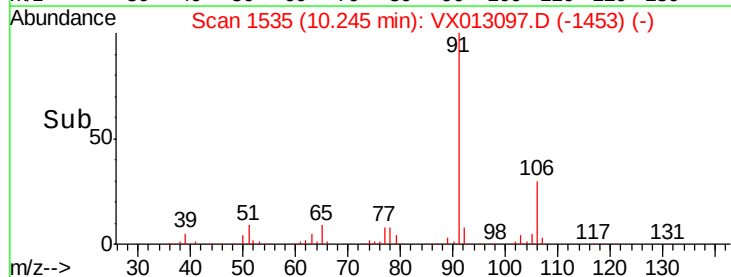
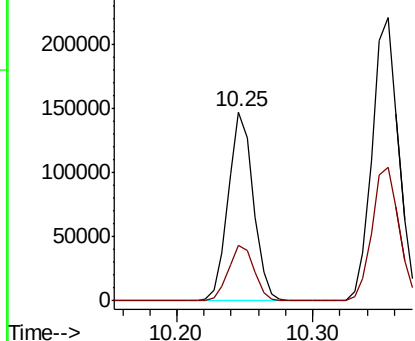


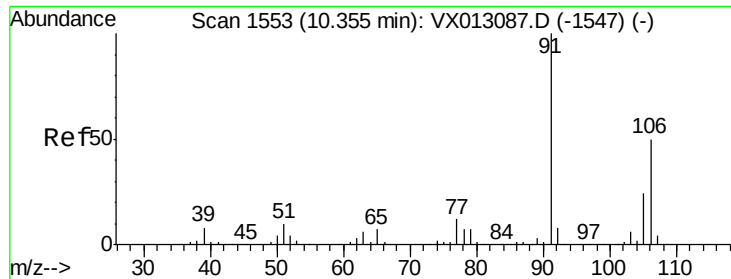
#66
 Ethyl Benzene
 Concen: 19.457 ug/l
 RT: 10.25 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VX013097.D
 Acq: 16 Oct 2019 15:51

Tgt Ion: 91 Resp: 190140
 Ion Ratio Lower Upper
 91 100
 106 29.6 25.0 37.4



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

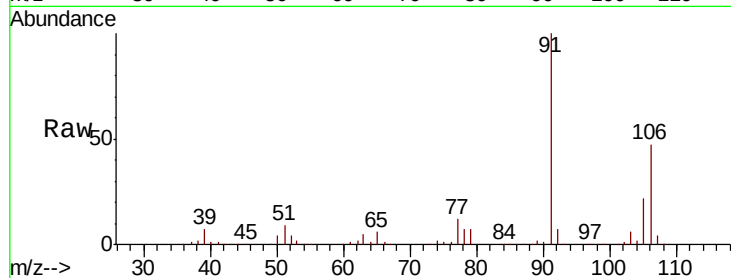




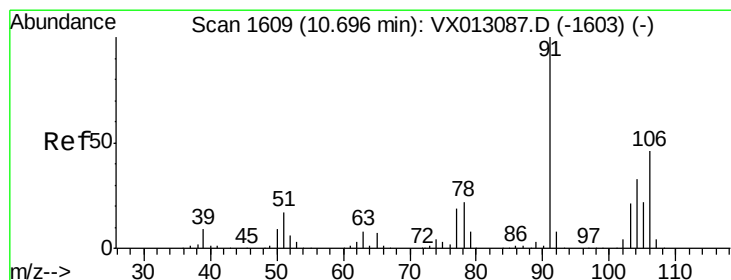
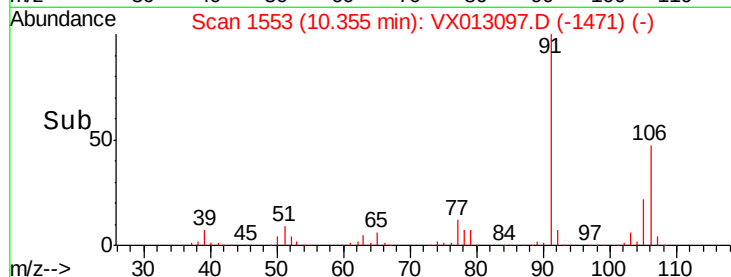
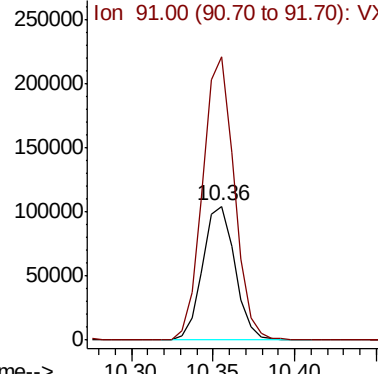
#67
m/p-Xylenes
Concen: 39.430 ug/l
RT: 10.36 min Scan# 1553
Delta R.T. -0.00 min
Lab File: VX013097.D
Acq: 16 Oct 2019 15:51

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:106 Resp: 144967
Ion Ratio Lower Upper
106 100
91 206.1 162.6 243.8

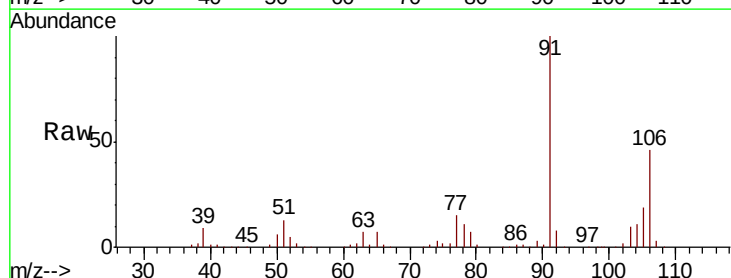


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

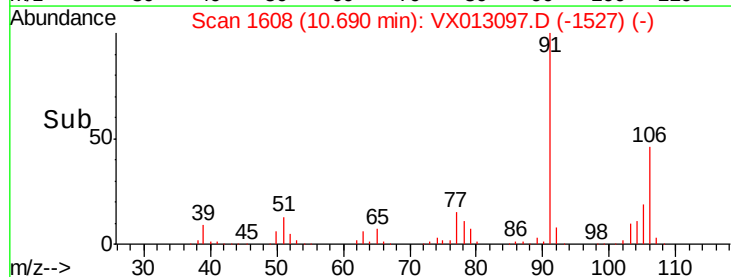
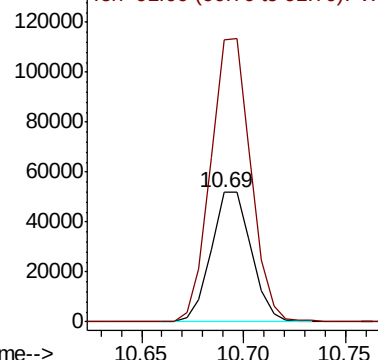


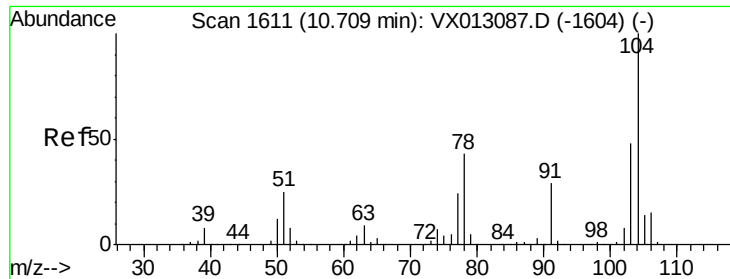
#68
o-Xylene
Concen: 19.772 ug/l
RT: 10.69 min Scan# 1608
Delta R.T. -0.01 min
Lab File: VX013097.D
Acq: 16 Oct 2019 15:51

Tgt Ion:106 Resp: 70789
Ion Ratio Lower Upper
106 100
91 218.1 109.1 327.3



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

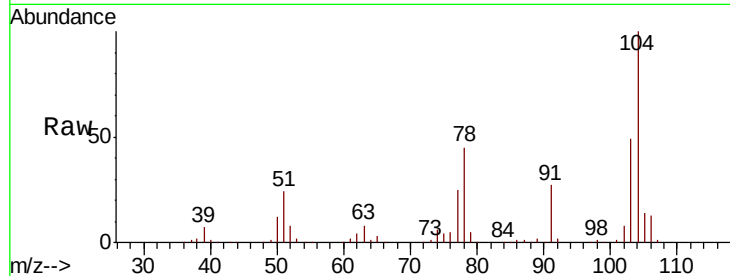




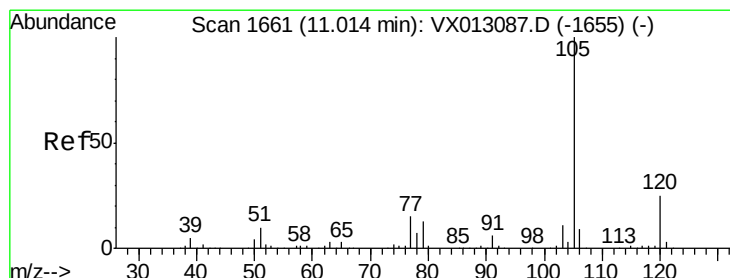
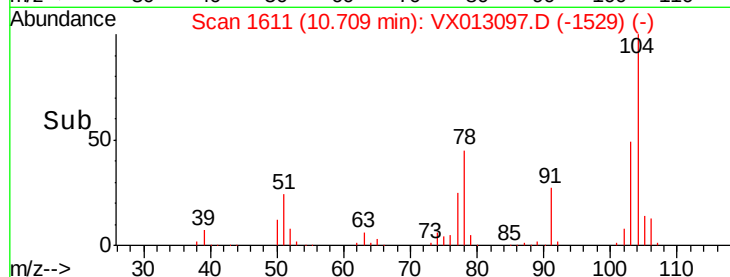
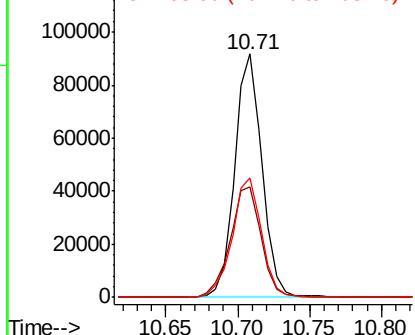
#69
Stvrene
Concen: 19.665 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VX013097.D
Acq: 16 Oct 2019 15:51

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:104 Resp: 121203
Ion Ratio Lower Upper
104 100
78 51.7 41.0 61.4
103 52.9 42.8 64.2

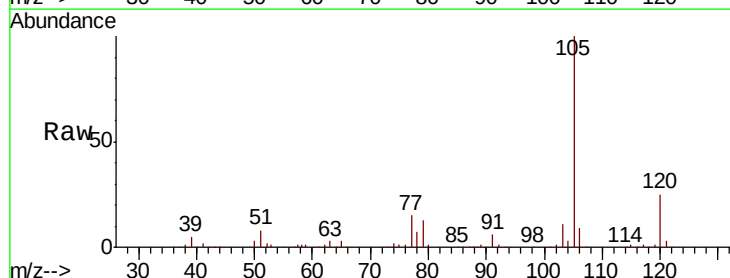


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V

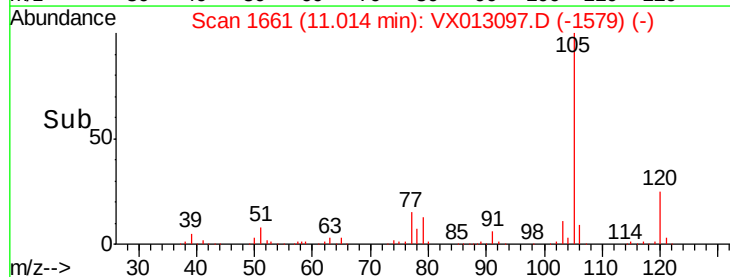
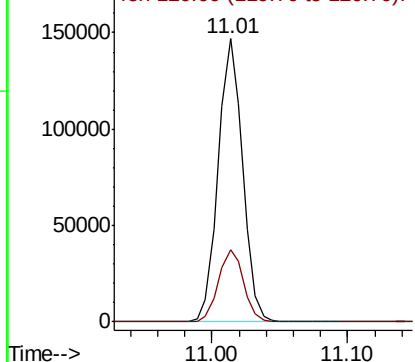


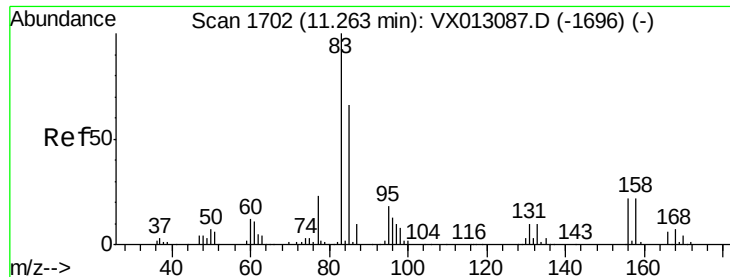
#70
Isopropylbenzene
Concen: 19.045 ug/l
RT: 11.01 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX013097.D
Acq: 16 Oct 2019 15:51

Tgt Ion:105 Resp: 182117
Ion Ratio Lower Upper
105 100
120 26.2 17.9 33.3



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

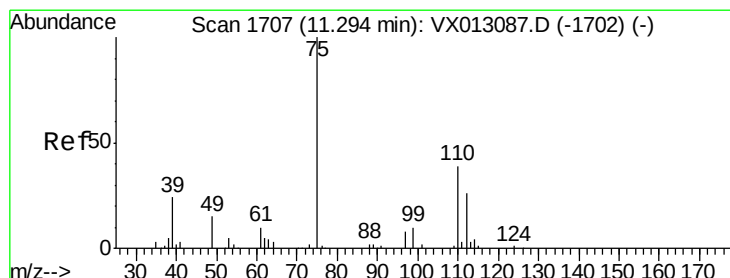
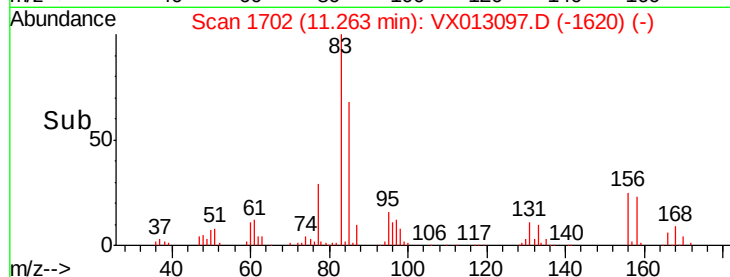
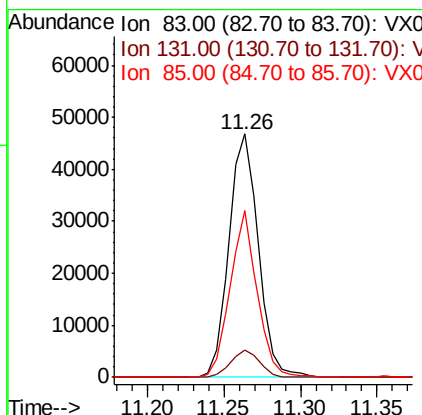
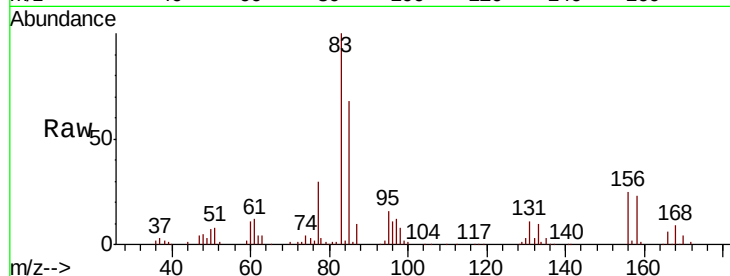




#71
 1,1,2,2-Tetrachloroethane
 Concen: 20.032 ug/l
 RT: 11.26 min Scan# 1702
 Delta R.T. -0.00 min
 Lab File: VX013097.D
 Acq: 16 Oct 2019 15:51

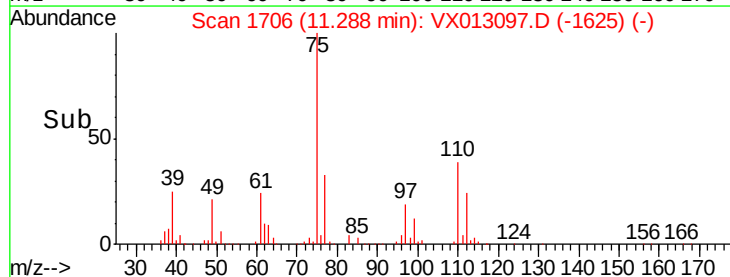
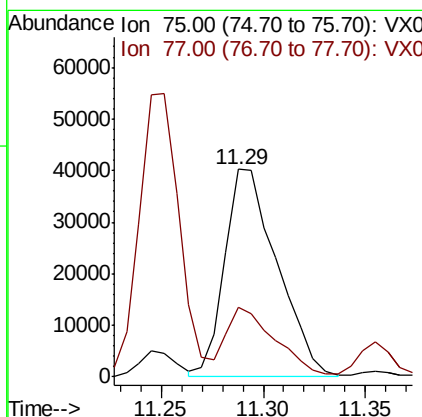
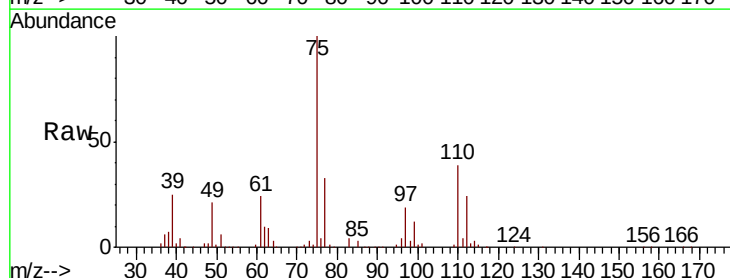
Instrument :
 MSVOA_X
 ClientSampleId :

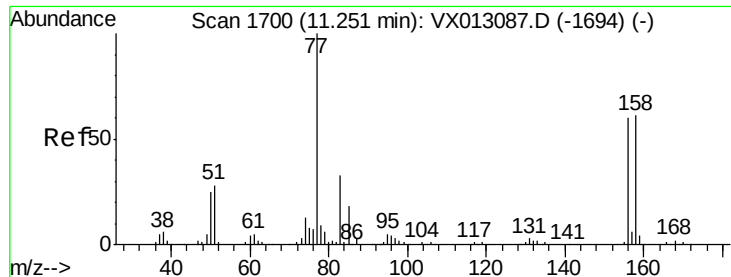
Tot Ion: 83 Resp: 62339
 Ion Ratio Lower Upper
 83 100
 131 11.1 4.9 14.6
 85 63.3 31.9 95.9



#72
 1,2,3-Trichloropropane
 Concen: 27.803 ug/l
 RT: 11.29 min Scan# 1706
 Delta R.T. -0.01 min
 Lab File: VX013097.D
 Acq: 16 Oct 2019 15:51

Tgt Ion: 75 Resp: 71943
 Ion Ratio Lower Upper
 75 100
 77 30.8 0.0 87.8





#73

Bromobenzene

Concen: 19.999 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VX013097.D

Acq: 16 Oct 2019 15:51

Instrument :

MSVOA_X

ClientSampleId :

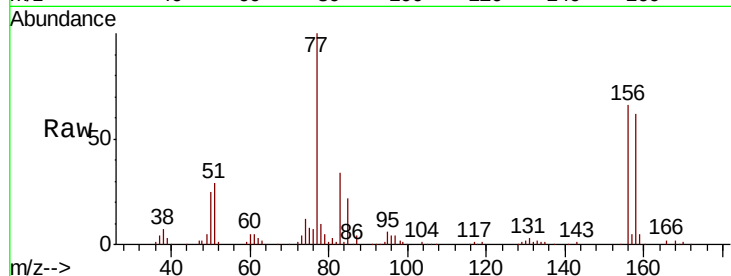
Tot Ion:156 Resp: 45611

Ion Ratio Lower Upper

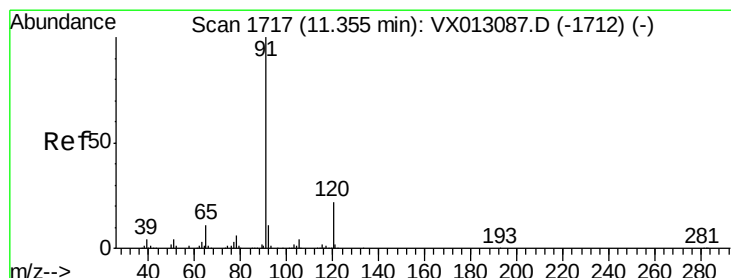
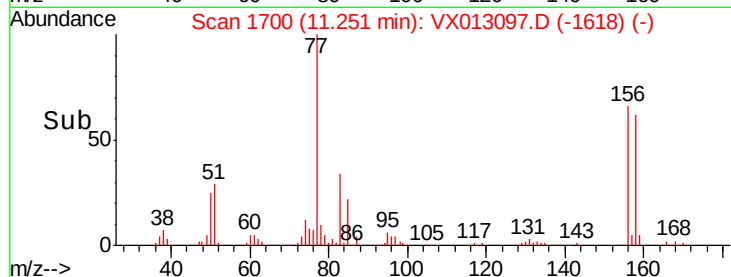
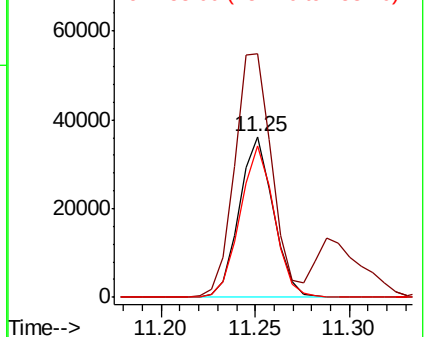
156 100

77 165.9 0.0 344.0

158 93.7 0.0 195.6



Abundance Ion 156.00 (155.70 to 156.70): V
Ion 77.00 (76.70 to 77.70): VX0
Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 19.117 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX013097.D

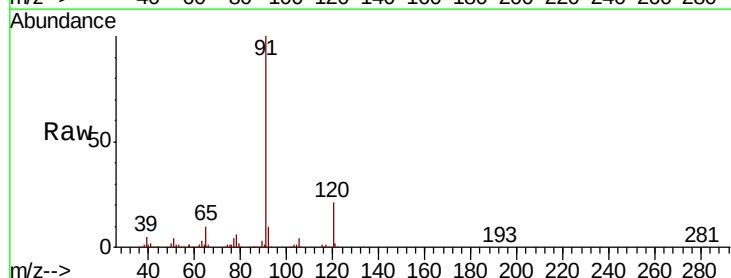
Acq: 16 Oct 2019 15:51

Tgt Ion: 91 Resp: 204188

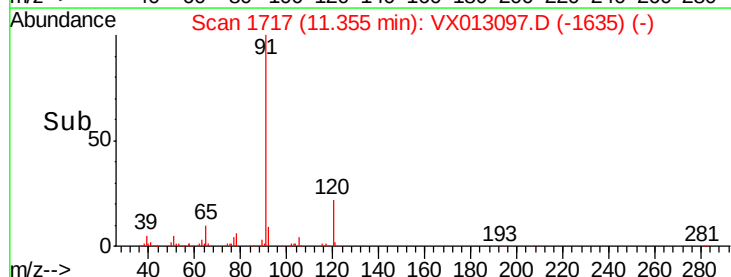
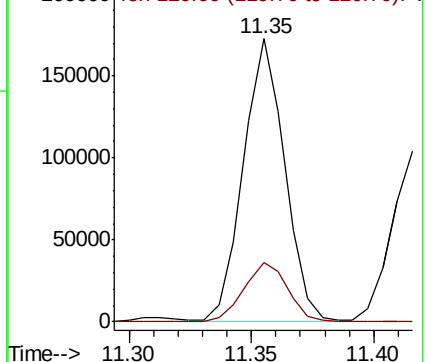
Ion Ratio Lower Upper

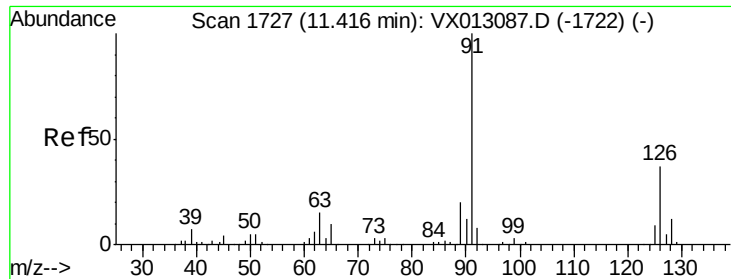
91 100

120 22.2 0.0 45.0



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 19.214 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. 0.00 min

Lab File: VX013097.D

Acq: 16 Oct 2019 15:51

Instrument :

MSVOA_X

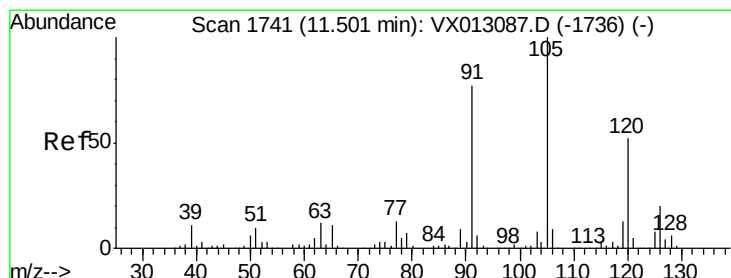
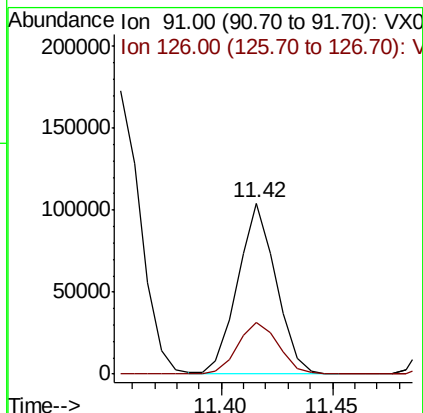
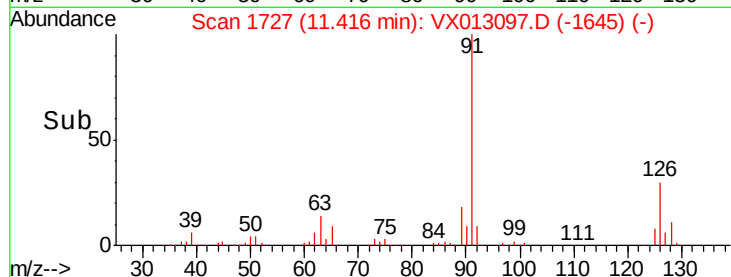
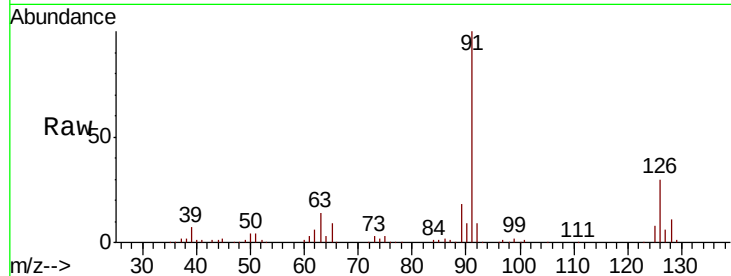
ClientSampleId :

Tot Ion: 91 Resp: 125722

Ion Ratio Lower Upper

91 100

126 32.0 0.0 66.0



#76

1,3,5-Trimethylbenzene

Concen: 19.087 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX013097.D

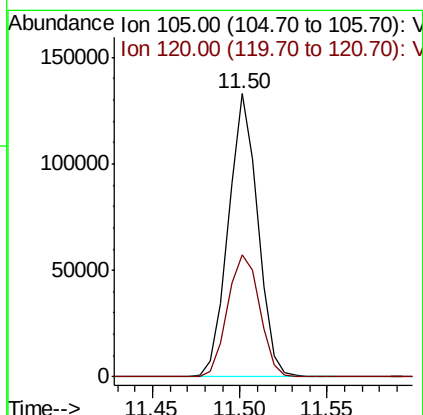
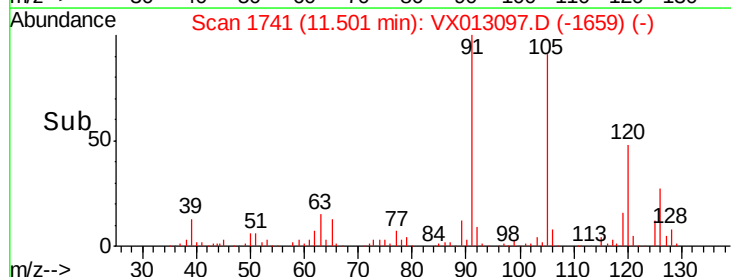
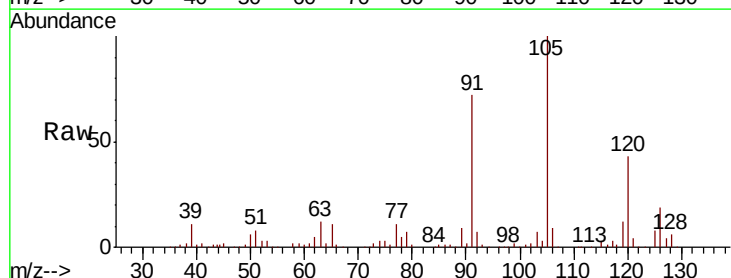
Acq: 16 Oct 2019 15:51

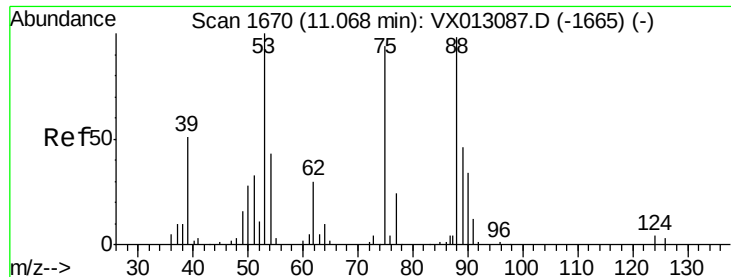
Tgt Ion:105 Resp: 155306

Ion Ratio Lower Upper

105 100

120 47.2 0.0 96.6





#77

t-1,4-Dichloro-2-butene

Concen: 18.907 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VX013097.D

Acq: 16 Oct 2019 15:51

Instrument :

MSVOA_X

ClientSampled :

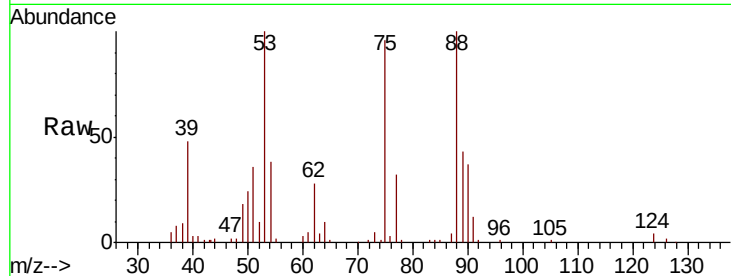
Tot Ion: 75 Resp: 18933

Ion Ratio Lower Upper

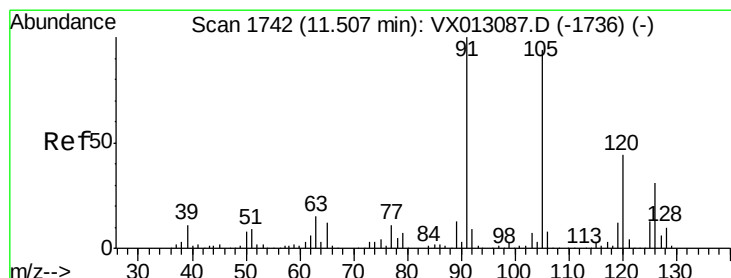
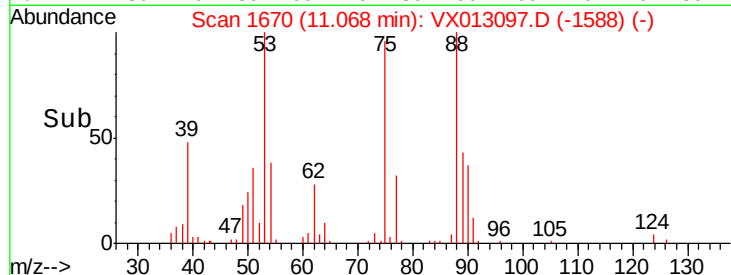
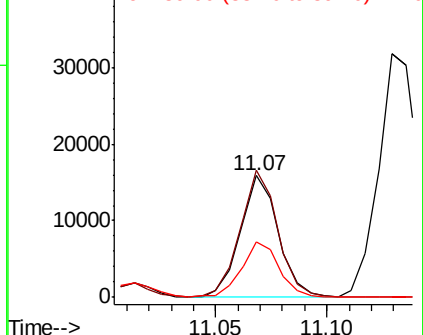
75 100

53 104.1 53.1 159.4

89 45.4 24.6 73.8



Abundance Ion 75.00 (74.70 to 75.70): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 89.00 (88.70 to 89.70): VX0



#78

4-Chlorotoluene

Concen: 18.914 ug/l

RT: 11.51 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VX013097.D

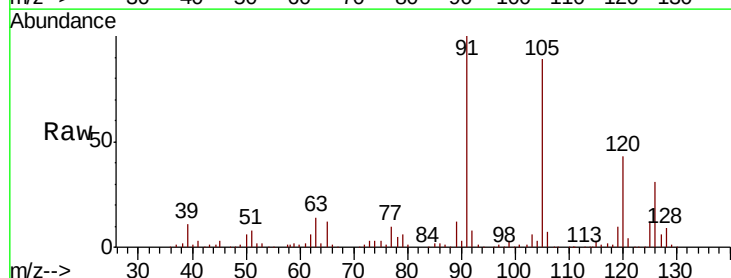
Acq: 16 Oct 2019 15:51

Tgt Ion: 91 Resp: 143108

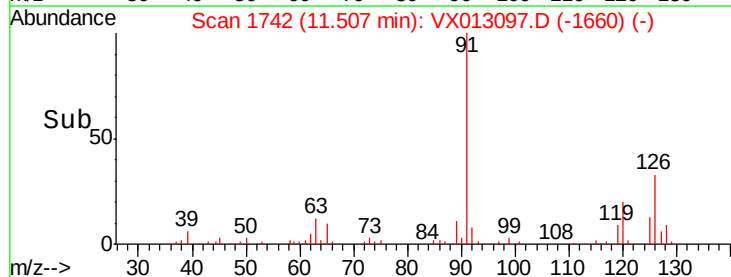
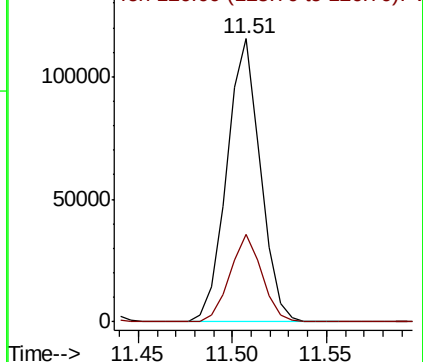
Ion Ratio Lower Upper

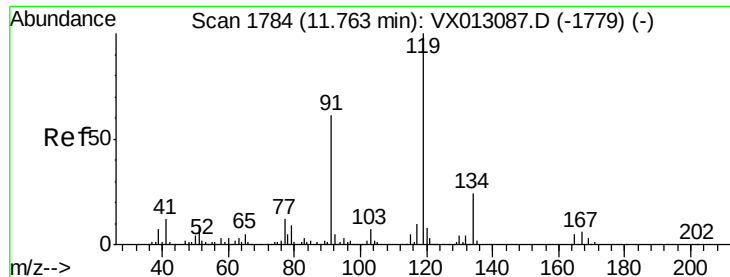
91 100

126 29.4 0.0 57.0



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 126.00 (125.70 to 126.70): V

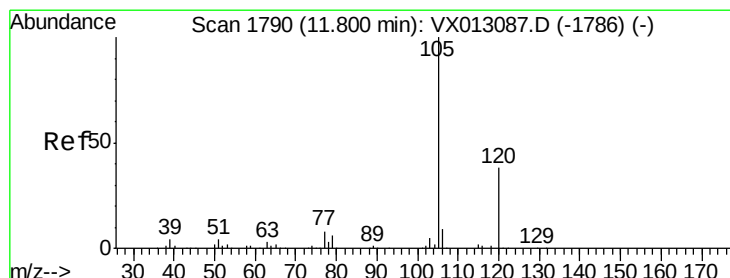
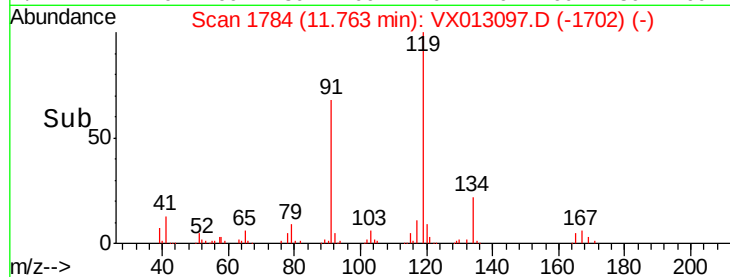
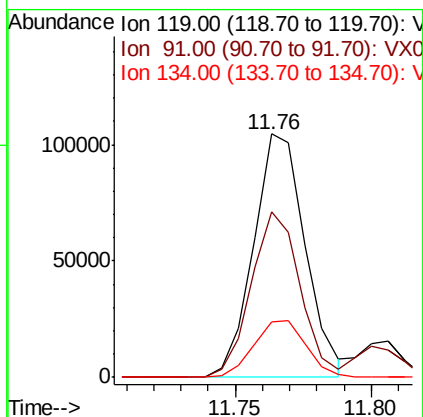
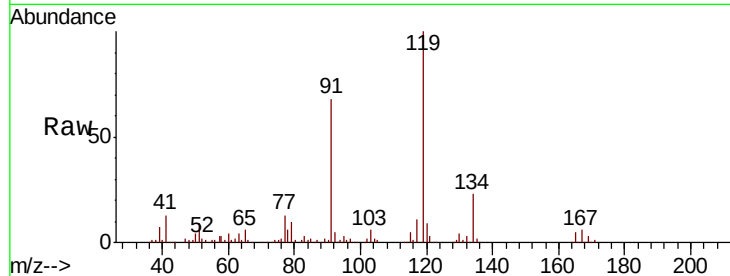




#79
tert-butylbenzene
Concen: 18.041 ug/l
RT: 11.76 min Scan# 1784
Delta R.T. -0.00 min
Lab File: VX013097.D
Acq: 16 Oct 2019 15:51

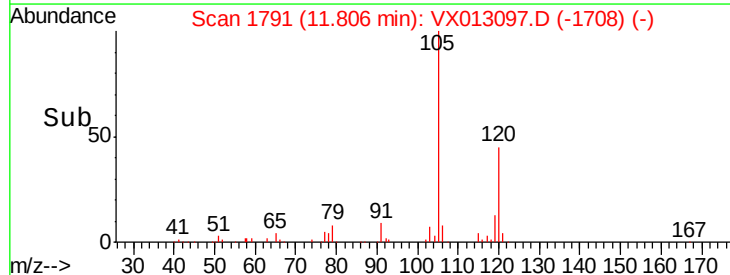
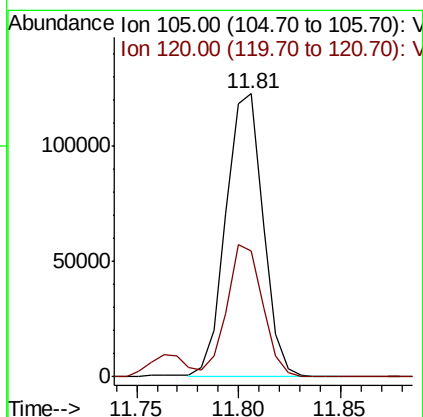
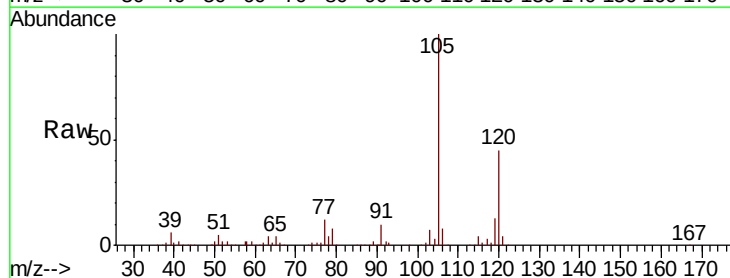
Instrument :
MSVOA_X
ClientSampleId :

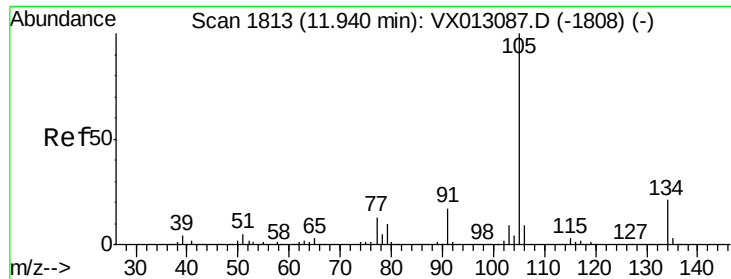
Tot Ion	Ratio	Lower	Upper
119	100		
91	64.1	0.0	122.2
134	23.7	0.0	46.6



#80
1,2,4-Trimethylbenzene
Concen: 19.068 ug/l
RT: 11.81 min Scan# 1791
Delta R.T. 0.01 min
Lab File: VX013097.D
Acq: 16 Oct 2019 15:51

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.5	0.0	85.8

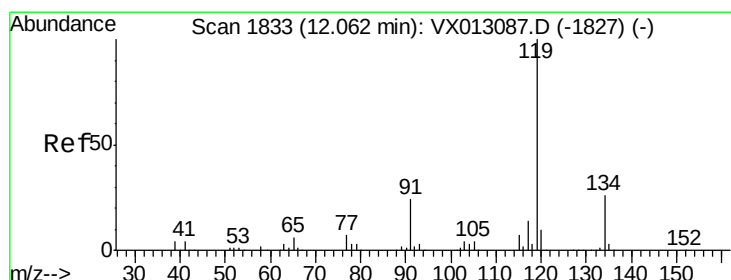
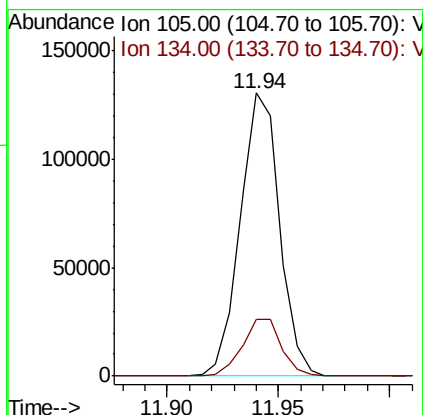
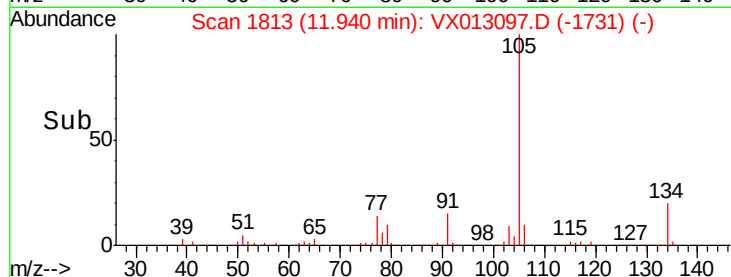
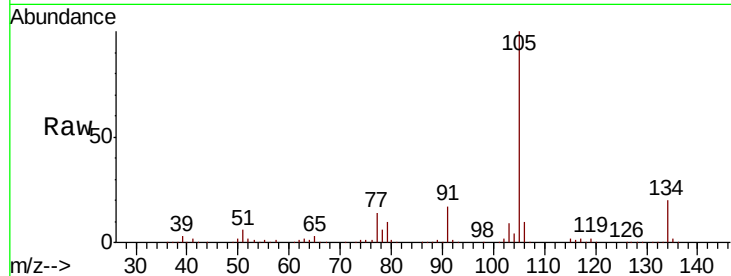




#81
 sec-Butylbenzene
 Concen: 17.488 ug/l
 RT: 11.94 min Scan# 1813
 Delta R.T. -0.00 min
 Lab File: VX013097.D
 Acq: 16 Oct 2019 15:51

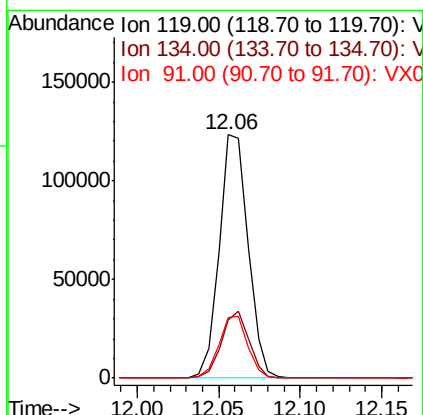
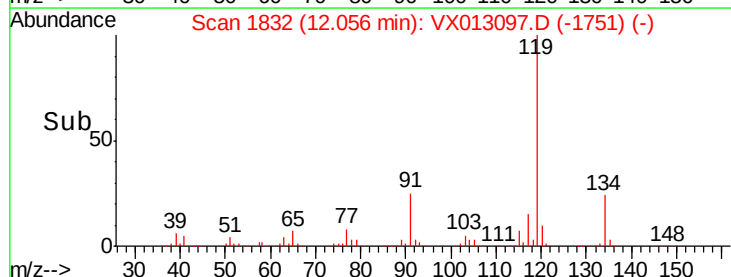
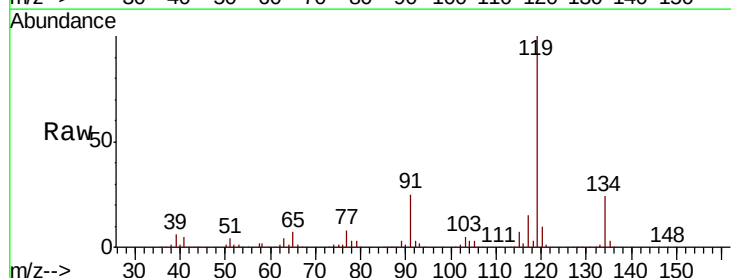
Instrument :
 MSVOA_X
 ClientSampled :

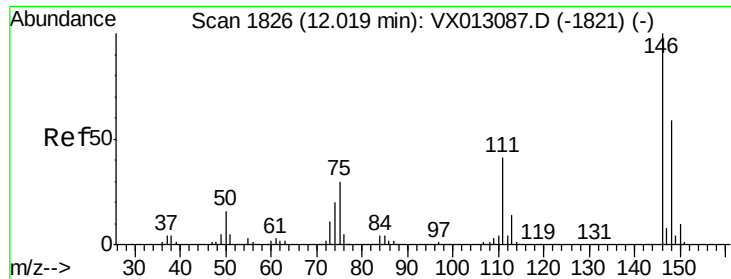
Tot Ion:105 Resp: 161248
 Ion Ratio Lower Upper
 105 100
 134 20.0 0.0 39.6



#82
 p-Isopropyltoluene
 Concen: 18.097 ug/l
 RT: 12.06 min Scan# 1832
 Delta R.T. -0.01 min
 Lab File: VX013097.D
 Acq: 16 Oct 2019 15:51

Tgt Ion:119 Resp: 152163
 Ion Ratio Lower Upper
 119 100
 134 26.1 0.0 52.0
 91 25.3 0.0 50.4





#83

1,3-Dichlorobenzene

Concen: 19.673 ug/l

RT: 12.02 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VX013097.D

Acq: 16 Oct 2019 15:51

Instrument :

MSVOA_X

ClientSampled :

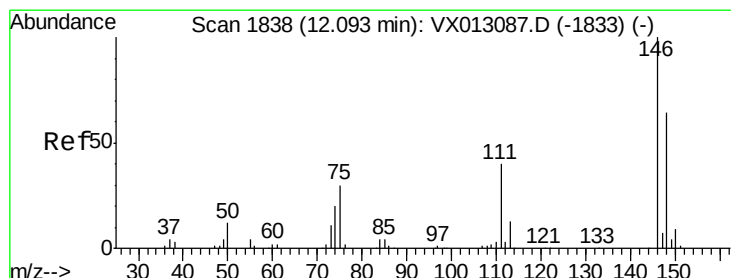
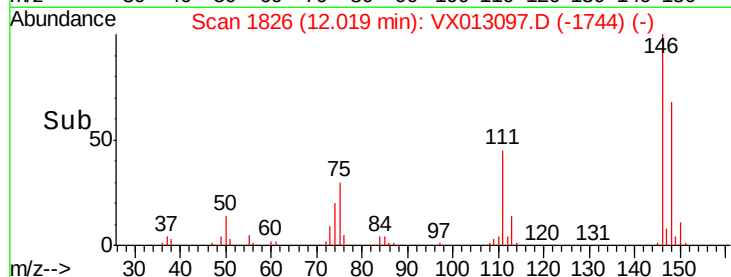
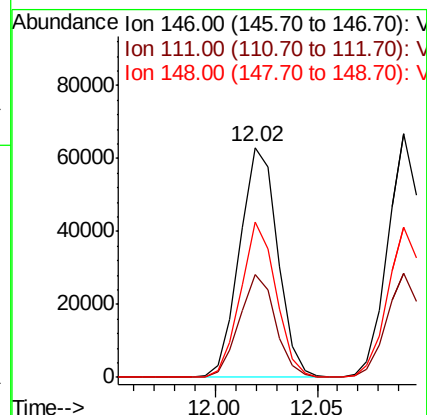
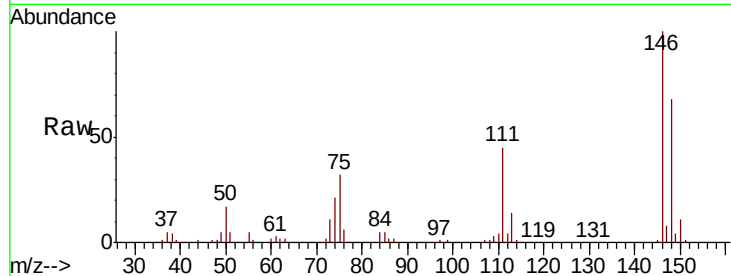
Tot Ion:146 Resp: 81324

Ion Ratio Lower Upper

146 100

111 42.6 21.3 63.9

148 63.2 30.4 91.2



#84

1,4-Dichlorobenzene

Concen: 19.208 ug/l

RT: 12.09 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VX013097.D

Acq: 16 Oct 2019 15:51

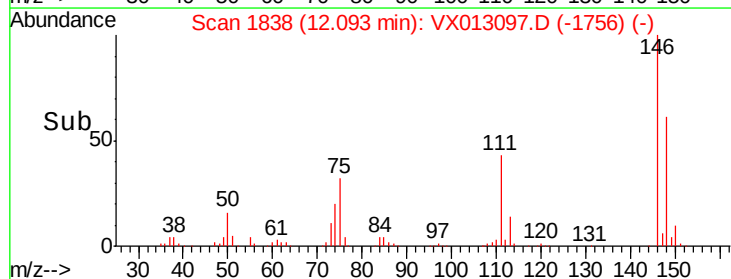
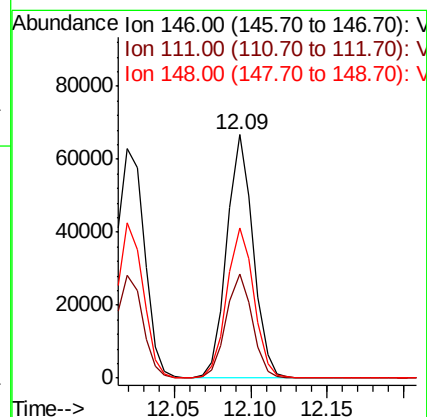
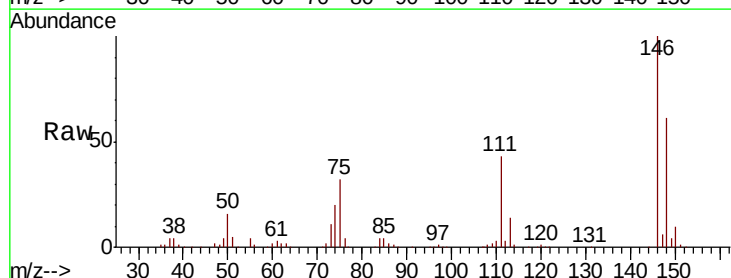
Tgt Ion:146 Resp: 79861

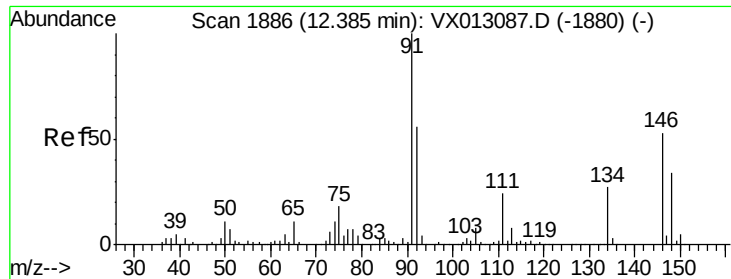
Ion Ratio Lower Upper

146 100

111 42.5 20.0 59.9

148 63.5 31.9 95.7

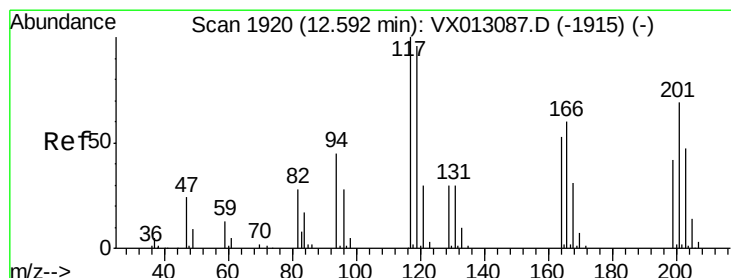
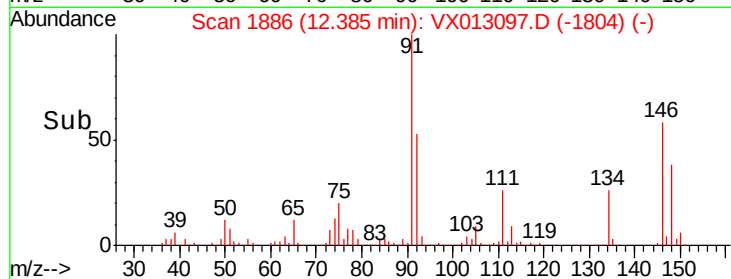
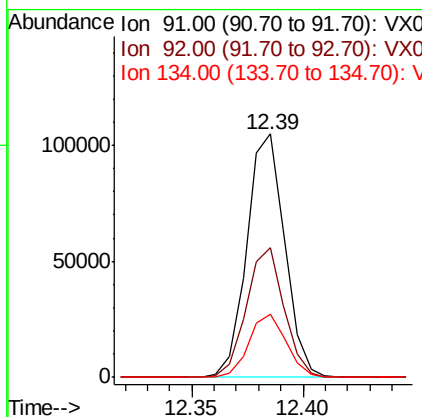
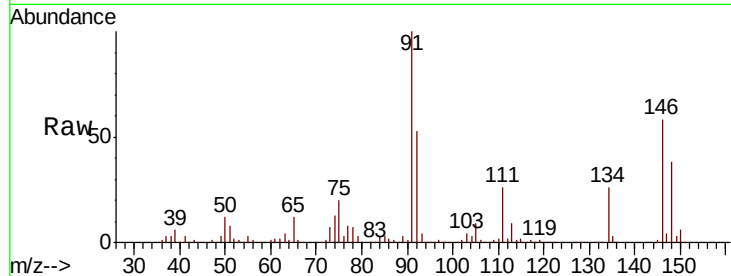




#85
n-Butylbenzene
Concen: 17.442 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX013097.D
Acq: 16 Oct 2019 15:51

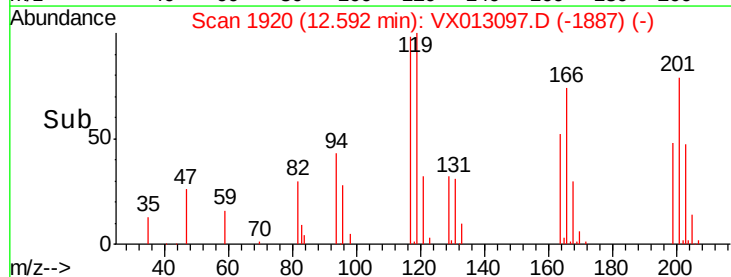
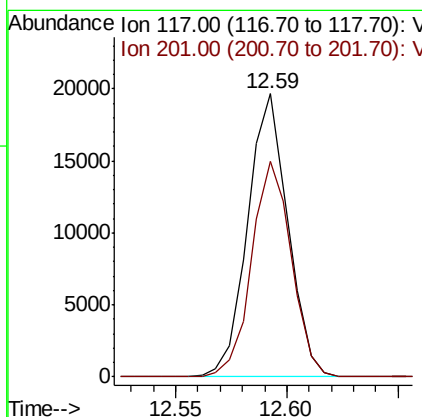
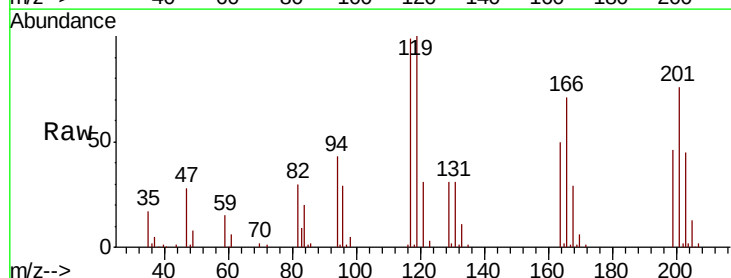
Instrument :
MSVOA_X
ClientSampleId :

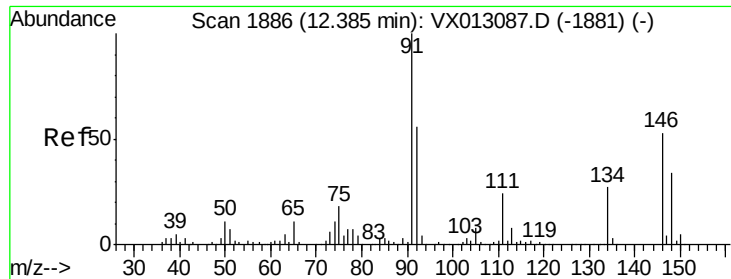
Tot Ion: 91 Resp: 125175
Ion Ratio Lower Upper
91 100
92 52.7 0.0 109.4
134 25.4 0.0 51.6



#86
Hexachloroethane
Concen: 17.006 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VX013097.D
Acq: 16 Oct 2019 15:51

Tgt Ion: 117 Resp: 24778
Ion Ratio Lower Upper
117 100
201 75.2 34.2 102.5

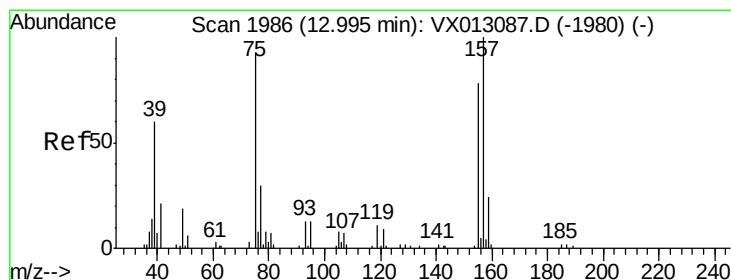
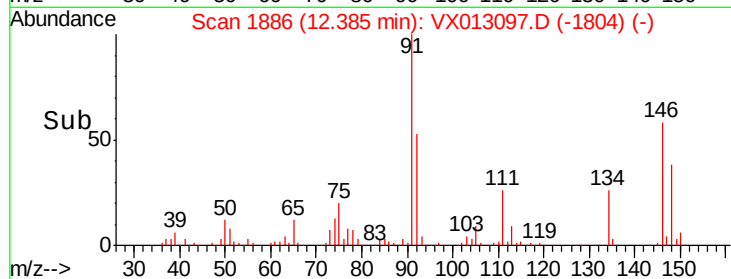
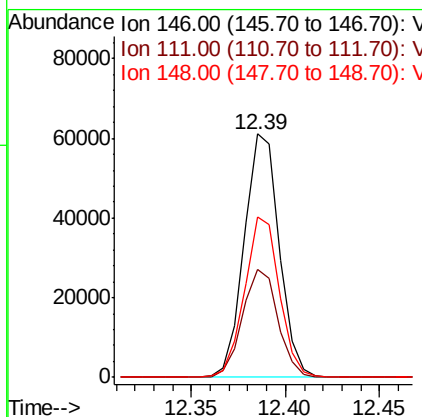
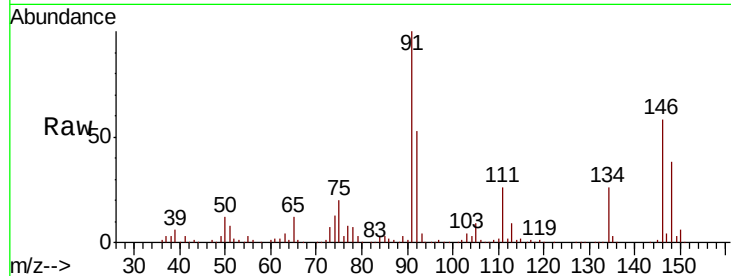




#87
 1,2-Dichlorobenzene
 Concen: 19.356 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX013097.D
 Acq: 16 Oct 2019 15:51

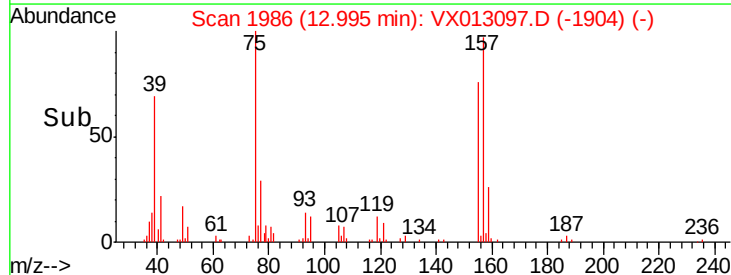
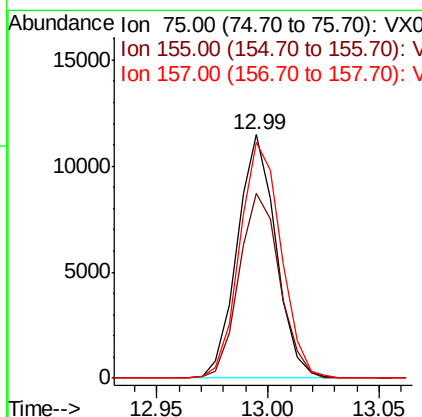
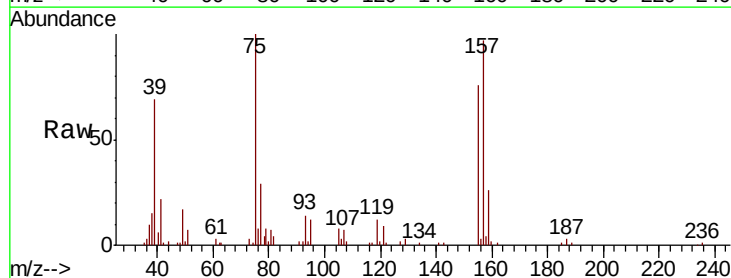
Instrument :
 MSVOA_X
 ClientSampleId :

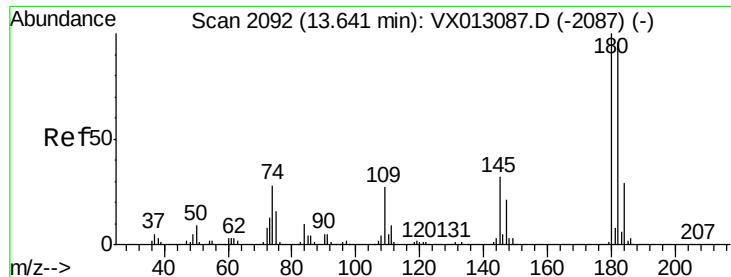
Tot Ion:146 Resp: 78916
 Ion Ratio Lower Upper
 146 100
 111 44.8 22.3 66.9
 148 65.4 32.7 98.1



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 19.495 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VX013097.D
 Acq: 16 Oct 2019 15:51

Tgt Ion: 75 Resp: 13931
 Ion Ratio Lower Upper
 75 100
 155 79.4 68.4 102.6
 157 103.6 85.6 128.4

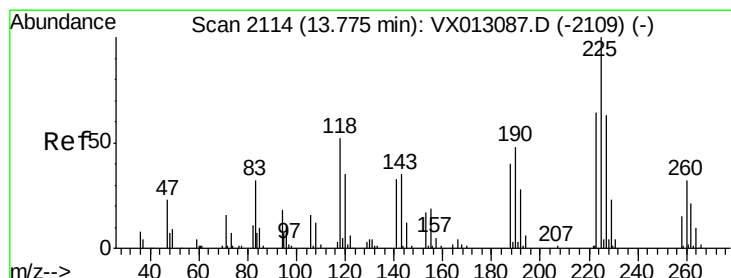
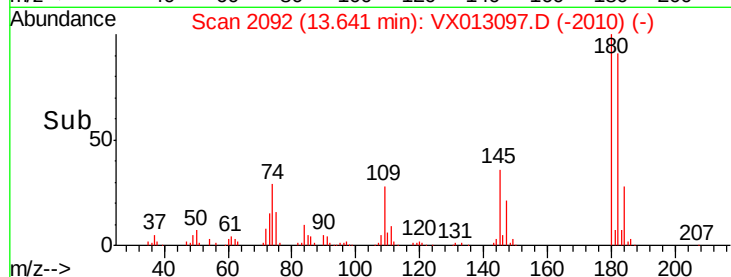
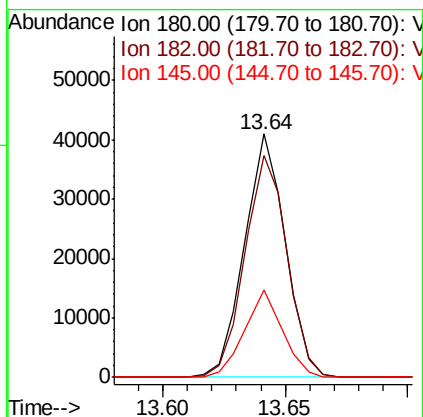
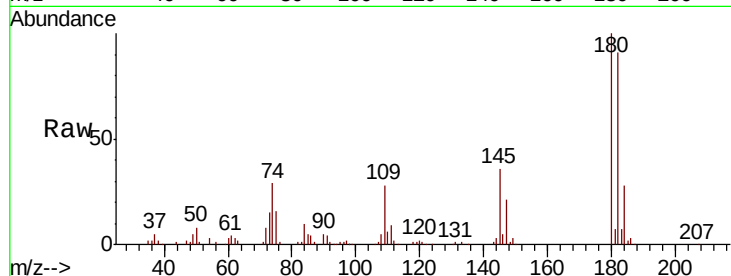




#89
1,2,4-Trichlorobenzene
Concen: 18.718 ug/l
RT: 13.64 min Scan# 2092
Delta R.T. -0.00 min
Lab File: VX013097.D
Acq: 16 Oct 2019 15:51

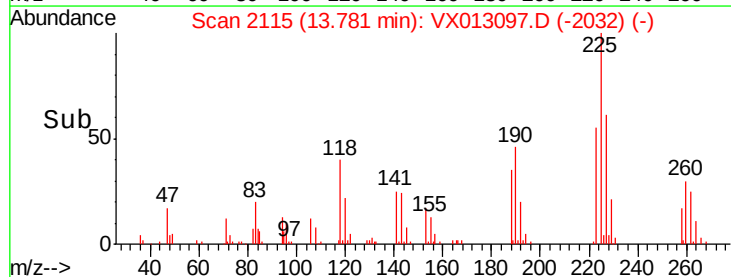
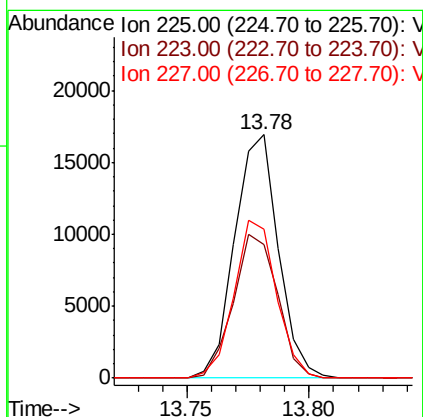
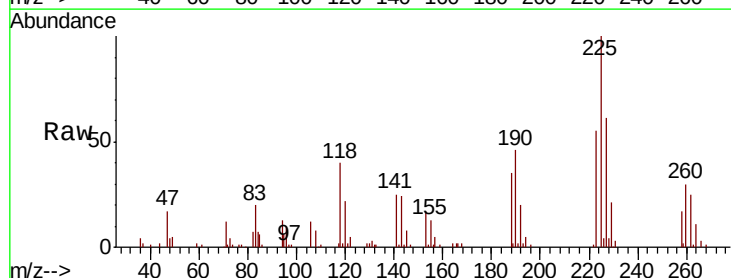
Instrument :
MSVOA_X
ClientSampleId :

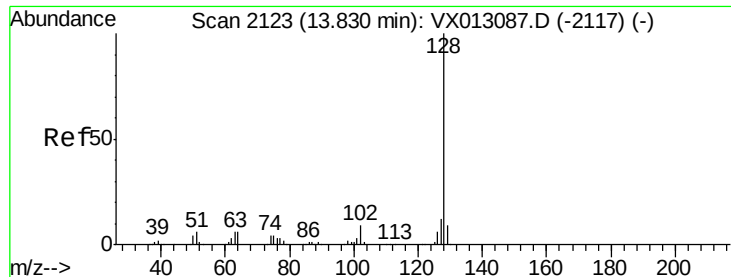
Tot Ion:180 Resp: 47614
Ion Ratio Lower Upper
180 100
182 93.7 74.8 112.2
145 33.4 26.2 39.2



#90
Hexachlorobutadiene
Concen: 17.369 ug/l
RT: 13.78 min Scan# 2115
Delta R.T. 0.01 min
Lab File: VX013097.D
Acq: 16 Oct 2019 15:51

Tgt Ion:225 Resp: 20971
Ion Ratio Lower Upper
225 100
223 59.9 0.0 132.2
227 63.0 0.0 124.2

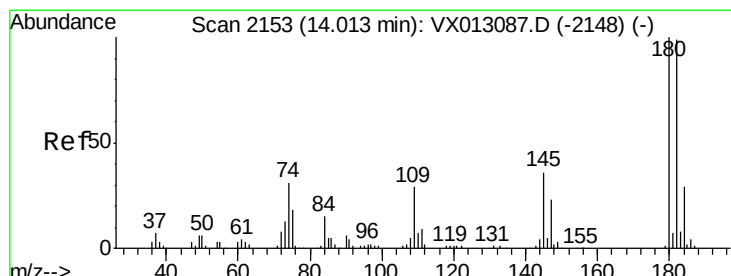
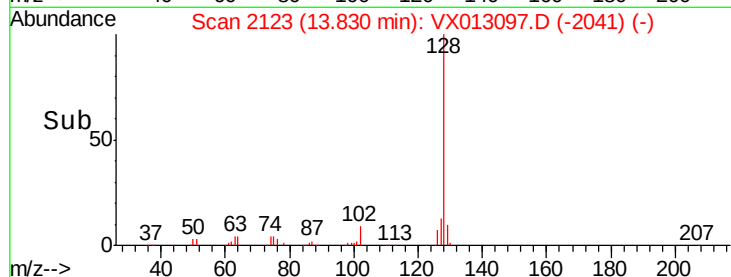
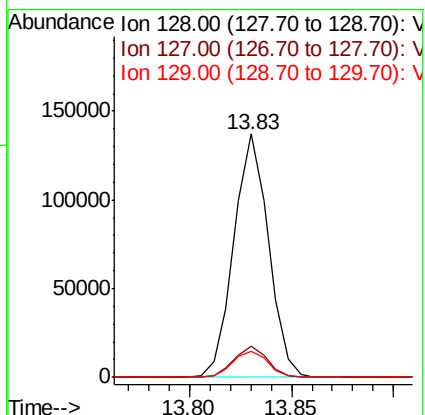
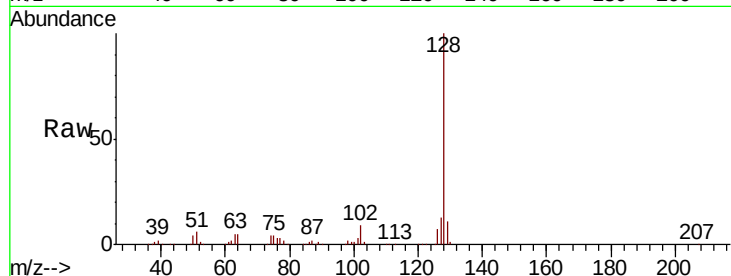




#91
Naphthalene
Concen: 18.703 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX013097.D
Acq: 16 Oct 2019 15:51

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.3	10.0	15.0
129	10.9	8.0	12.0



#92
1,2,3-Trichlorobenzene
Concen: 19.285 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. -0.00 min
Lab File: VX013097.D
Acq: 16 Oct 2019 15:51

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.8	0.0	195.2
145	34.9	0.0	69.8

