

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX052219\
 Data File : VX009816.D
 Acq On : 22 May 2019 19:51
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Quant Time: May 23 07:20:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	175492	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	288404	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	261740	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	128625	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	109887	45.87	ug/l	0.00
Spiked Amount			Recovery	=	91.74%	
35) Dibromofluoromethane	5.50	113	78855	43.49	ug/l	0.00
Spiked Amount			Recovery	=	86.98%	
50) Toluene-d8	8.71	98	330080	45.10	ug/l	0.00
Spiked Amount			Recovery	=	90.20%	
62) 4-Bromofluorobenzene	11.13	95	118991	44.74	ug/l	0.00
Spiked Amount			Recovery	=	89.48%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	67474	41.723	ug/l	99
3) Chloromethane	1.32	50	105915	47.971	ug/l	98
4) Vinyl Chloride	1.41	62	100558	46.707	ug/l	98
5) Bromomethane	1.64	94	65652	50.805	ug/l	98
6) Chloroethane	1.71	64	63472	45.918	ug/l	100
7) Trichlorofluoromethane	1.92	101	120454	46.027	ug/l	98
8) Diethyl Ether	2.19	74	56585	45.646	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.38	101	70984	43.193	ug/l	99
10) Methyl Iodide	2.51	142	90446	47.609	ug/l	99
11) Tert butyl alcohol	3.06	59	128853	232.360	ug/l	99
12) 1,1-Dichloroethene	2.37	96	74946	45.515	ug/l	95
13) Acrolein	2.29	56	104540	208.160	ug/l	100
14) Allyl chloride	2.73	41	185580	46.247	ug/l	99
15) Acrylonitrile	3.14	53	314291	231.797	ug/l	99
16) Acetone	2.45	43	281309	218.682	ug/l	95
17) Carbon Disulfide	2.57	76	220974	47.799	ug/l	100
18) Methyl Acetate	2.78	43	136775	44.708	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	295407	46.199	ug/l	99
20) Methylene Chloride	2.85	84	91399	43.882	ug/l	95
21) trans-1,2-Dichloroethene	3.17	96	81930	45.879	ug/l	99
22) Diisopropyl ether	3.85	45	361668	46.866	ug/l	96
23) Vinyl Acetate	3.82	43	1641778	248.443	ug/l	100
24) 1,1-Dichloroethane	3.70	63	173694	45.625	ug/l	99
25) 2-Butanone	4.68	43	474048	237.142	ug/l	98
26) 2,2-Dichloropropane	4.58	77	116831	41.230	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	96865	45.444	ug/l	99
28) Bromochloromethane	5.02	49	90128	59.323	ug/l	97
29) Tetrahydrofuran	5.13	42	314283	244.322	ug/l	98
30) Chloroform	5.21	83	158475	46.026	ug/l	98
31) Cyclohexane	5.58	56	165874	46.832	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	131655	45.933	ug/l	99
36) 1,1-Dichloropropene	5.80	75	122085	45.551	ug/l	99
37) Ethyl Acetate	4.84	43	178985	47.930	ug/l	99
38) Carbon Tetrachloride	5.78	117	109318	44.892	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	147769	44.894	ug/l	97
40) Benzene	6.14	78	375728	45.297	ug/l	99
41) Methacrylonitrile	5.04	41	101727	45.763	ug/l	98
42) 1,2-Dichloroethane	6.19	62	138413	46.519	ug/l	98
43) Isopropyl Acetate	6.45	43	283904	47.530	ug/l	98
44) Trichloroethene	7.21	130	87938	43.854	ug/l	93
45) 1,2-Dichloropropane	7.51	63	107052	45.579	ug/l	99
46) Dibromomethane	7.66	93	60492	44.352	ug/l	99
47) Bromodichloromethane	7.90	83	123682	45.460	ug/l	100
48) Methyl methacrylate	7.77	41	144602	48.795	ug/l	97
49) 1,4-Dioxane	7.74	88	52864	879.627	ug/l	97
51) 4-Methyl-2-Pentanone	8.64	43	947095	242.584	ug/l	99
52) Toluene	8.78	92	230988	45.812	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	145703	47.435	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	156803	46.120	ug/l	95
55) 1,1,2-Trichloroethane	9.21	97	93023	45.222	ug/l	96
56) Ethyl methacrylate	9.18	69	174137	47.424	ug/l	97
57) 1,3-Dichloropropane	9.37	76	164635	45.481	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	441450	226.623	ug/l	99
59) 2-Hexanone	9.49	43	722867	235.745	ug/l	97
60) Dibromochloromethane	9.58	129	93297	46.438	ug/l	99
61) 1,2-Dibromoethane	9.67	107	95038	45.770	ug/l	100
64) Tetrachloroethene	9.34	164	78707	43.838	ug/l	98
65) Chlorobenzene	10.14	112	236974	45.259	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	86125	45.370	ug/l	100
67) Ethyl Benzene	10.25	91	441008	45.766	ug/l	100
68) m/p-Xylenes	10.36	106	322921	91.703	ug/l	97
69) o-Xylene	10.69	106	159293	45.848	ug/l	99
70) Styrene	10.71	104	280071	46.379	ug/l	99
71) Bromoform	10.85	173	71875	46.593	ug/l #	100
73) Isopropylbenzene	11.02	105	420994	45.009	ug/l	99
74) N-amyl acetate	10.90	43	260053	47.688	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	153408	43.996	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	184580	61.864	ug/l	81
77) Bromobenzene	11.26	156	104000	44.797	ug/l	98
78) n-propylbenzene	11.36	91	490271	45.896	ug/l	100
79) 2-Chlorotoluene	11.42	91	291698	44.261	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	359945	45.704	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	52228	44.789	ug/l	97
82) 4-Chlorotoluene	11.51	91	338172	45.422	ug/l	99
83) tert-Butylbenzene	11.77	119	343788	44.873	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	363563	45.991	ug/l	99
85) sec-Butylbenzene	11.94	105	405699	44.665	ug/l	100
86) p-Isopropyltoluene	12.06	119	372330	45.597	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	185723	44.876	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	184507	44.220	ug/l	100
89) n-Butylbenzene	12.38	91	339268	45.968	ug/l	100
90) Hexachloroethane	12.59	117	63584	45.706	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	183513	43.534	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	34680	44.337	ug/l	99

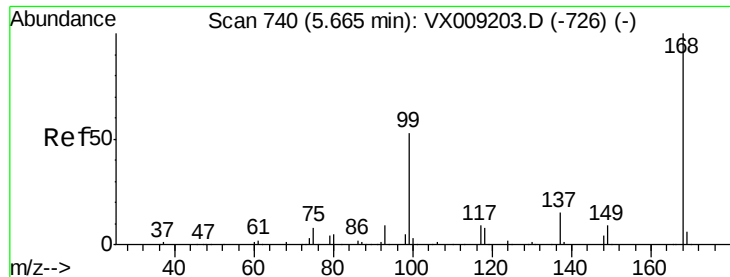
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	130315	45.207	ug/l	98
94) Hexachlorobutadiene	13.78	225	64915	44.099	ug/l	99
95) Naphthalene	13.83	128	423047	45.109	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	130322	44.600	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX009816.D

Acq: 22 May 2019 19:51

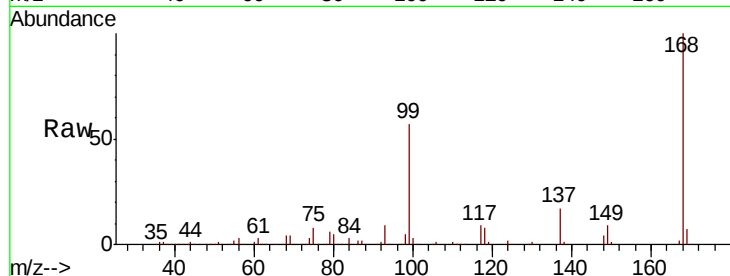
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:168 Resp: 175492

Ion Ratio Lower Upper

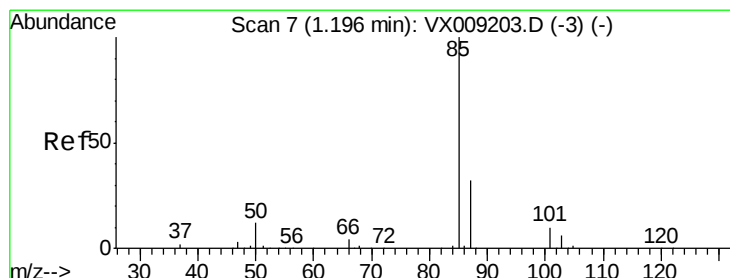
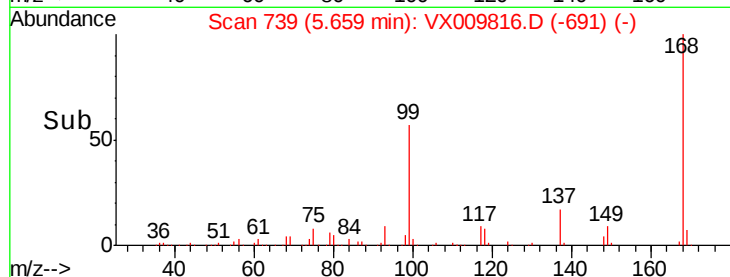
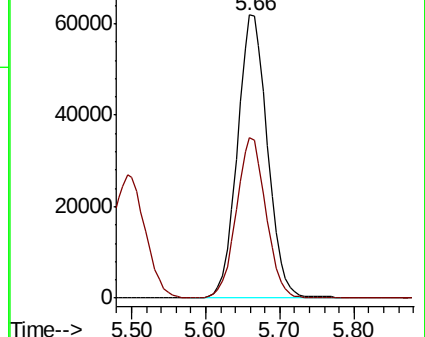
168 100

99 56.5 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 41.723 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX009816.D

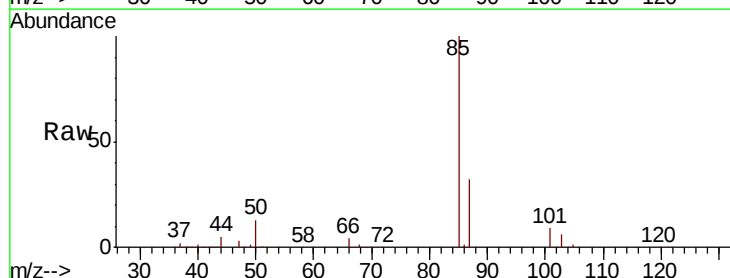
Acq: 22 May 2019 19:51

Tgt Ion: 85 Resp: 67474

Ion Ratio Lower Upper

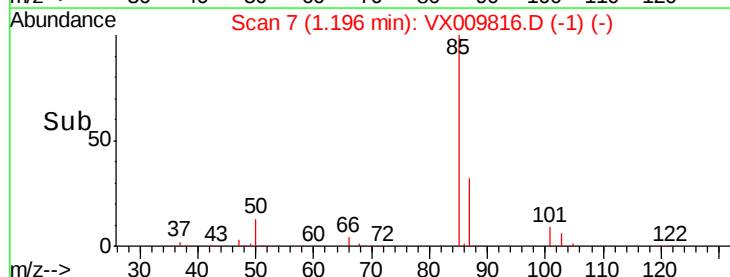
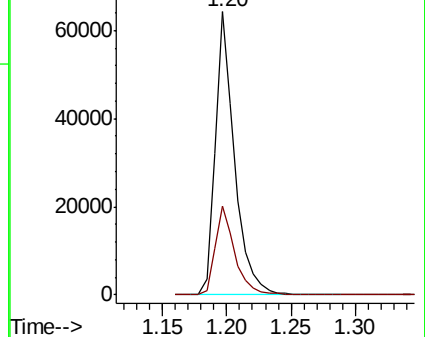
85 100

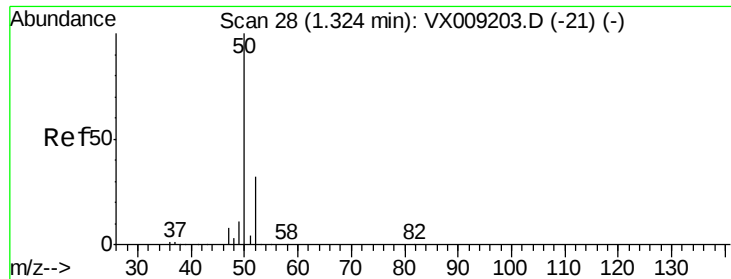
87 31.6 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 47.971 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX009816.D

Acq: 22 May 2019 19:51

Instrument :

MSVOA_X

ClientSampleId :

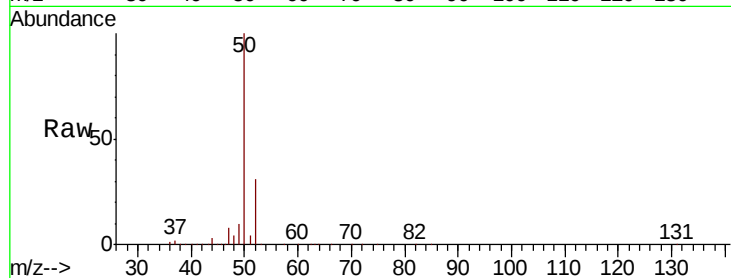
VSTDCCC050EC

Tot Ion: 50 Resp: 105915

Ion Ratio Lower Upper

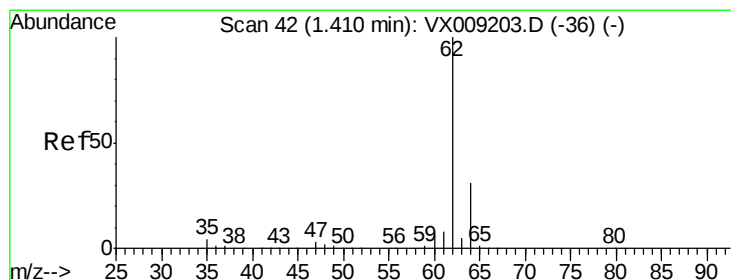
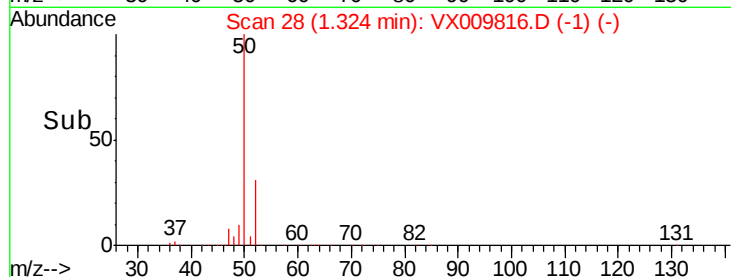
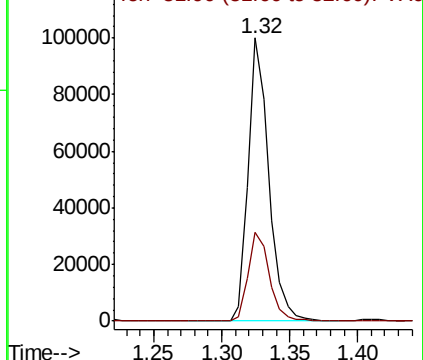
50 100

52 31.5 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 46.707 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX009816.D

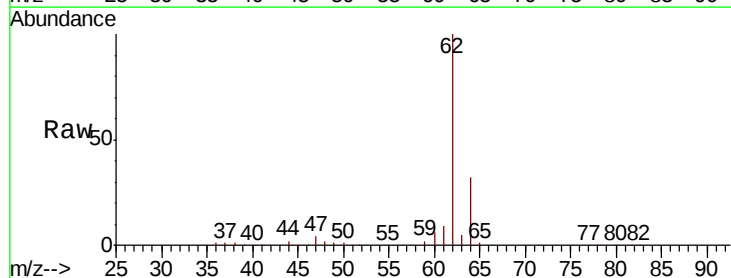
Acq: 22 May 2019 19:51

Tgt Ion: 62 Resp: 100558

Ion Ratio Lower Upper

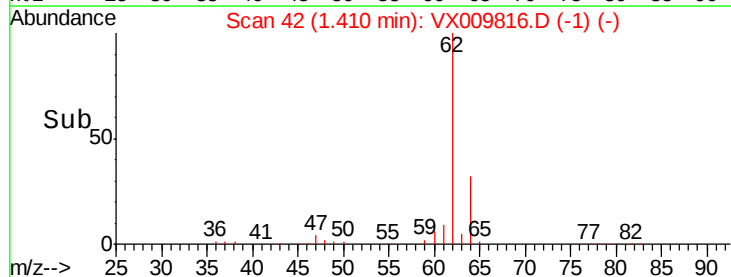
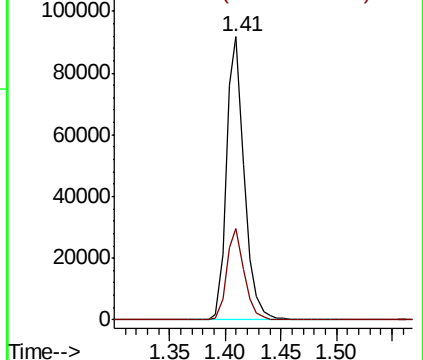
62 100

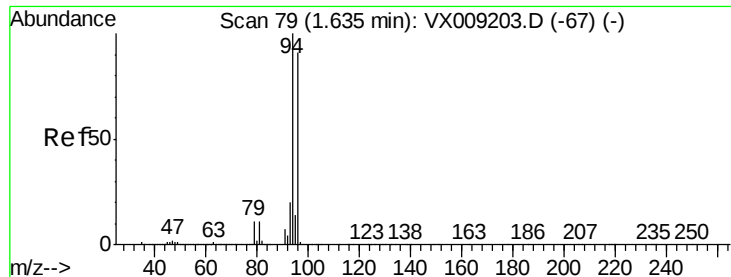
64 32.0 24.6 36.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 50.805 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX009816.D

Acq: 22 May 2019 19:51

Instrument :

MSVOA_X

ClientSampleId :

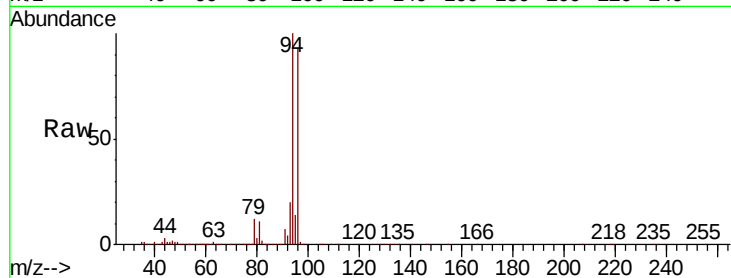
VSTDCCC050EC

Tot Ion: 94 Resp: 65652

Ion Ratio Lower Upper

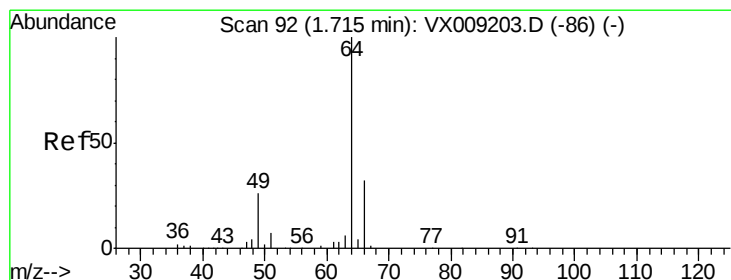
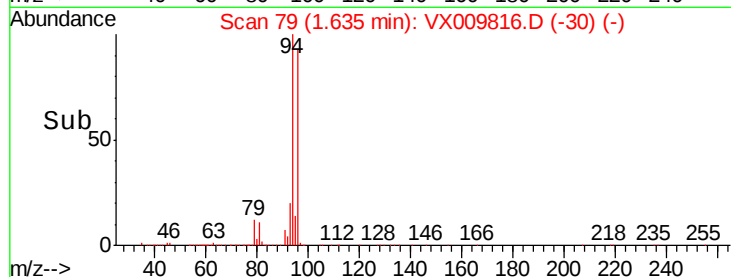
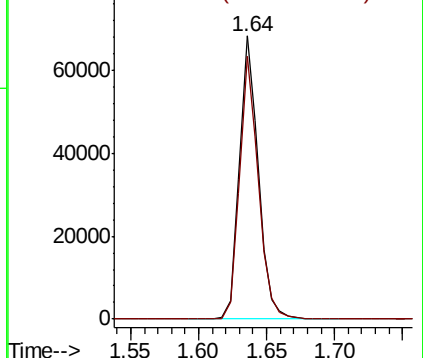
94 100

96 93.0 73.0 109.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 45.918 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX009816.D

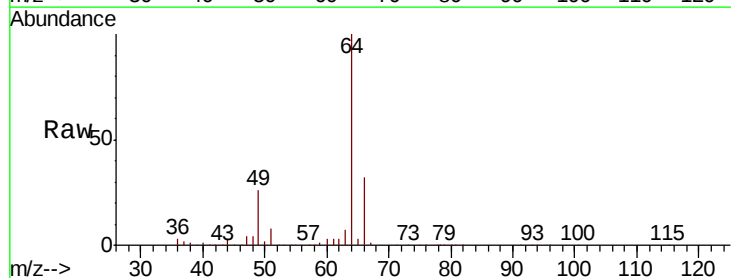
Acq: 22 May 2019 19:51

Tgt Ion: 64 Resp: 63472

Ion Ratio Lower Upper

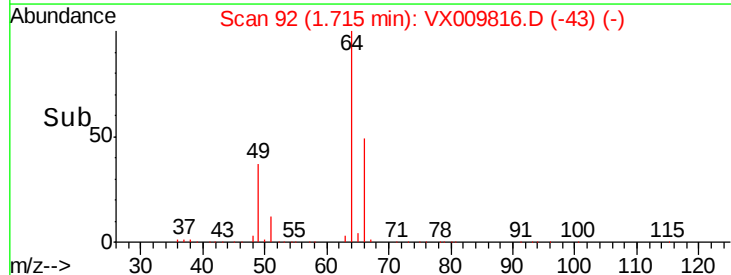
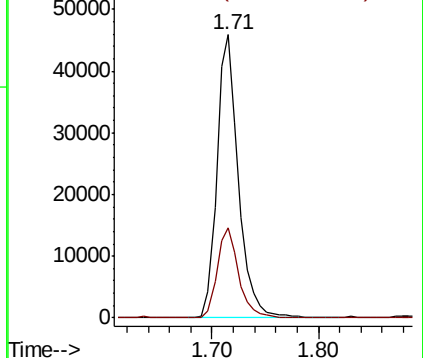
64 100

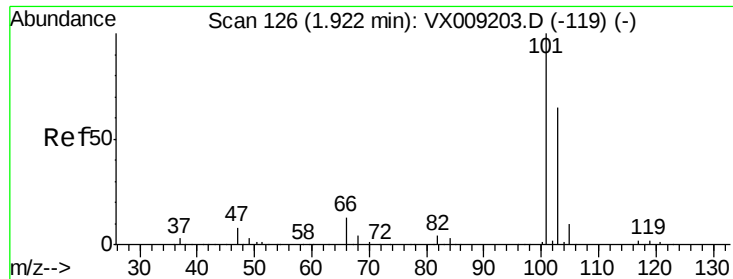
66 31.7 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



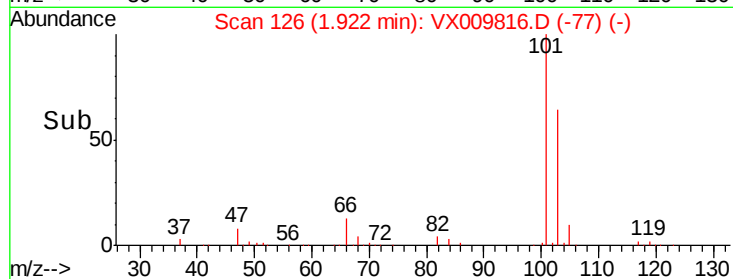
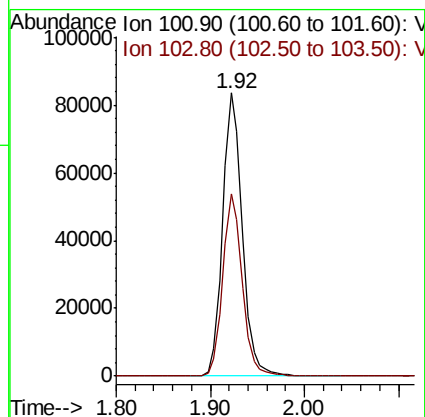
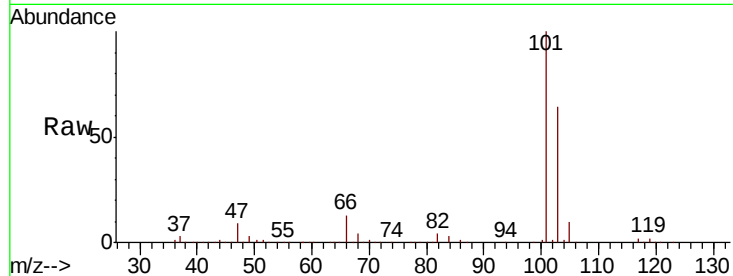


#7

Trichlorofluoromethane
 Concen: 46.027 ug/l
 RT: 1.92 min Scan# 126
 Delta R.T. 0.00 min
 Lab File: VX009816.D
 Acq: 22 May 2019 19:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

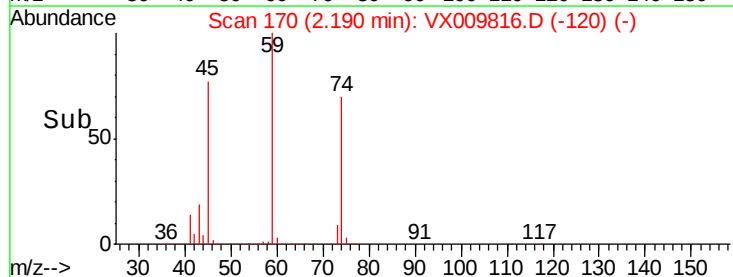
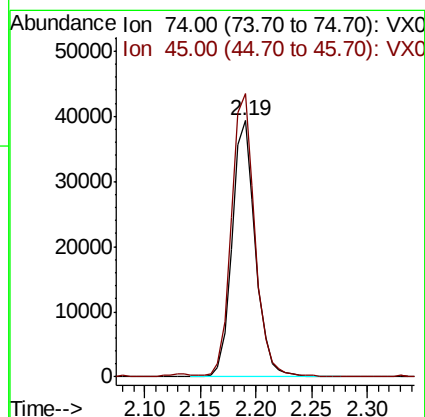
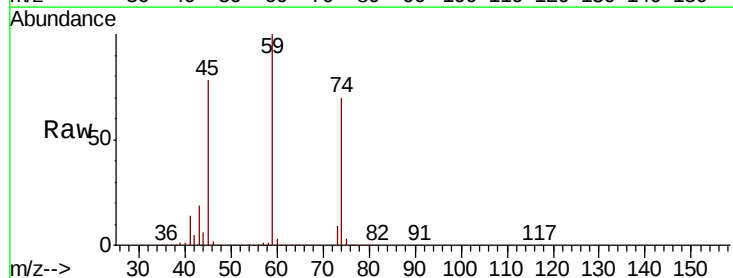
Tot Ion:101 Resp: 120454
 Ion Ratio Lower Upper
 101 100
 103 64.2 52.4 78.6



#8

Diethyl Ether
 Concen: 45.646 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. 0.01 min
 Lab File: VX009816.D
 Acq: 22 May 2019 19:51

Tgt Ion: 74 Resp: 56585
 Ion Ratio Lower Upper
 74 100
 45 111.7 53.3 159.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 43.193 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX009816.D

Acq: 22 May 2019 19:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

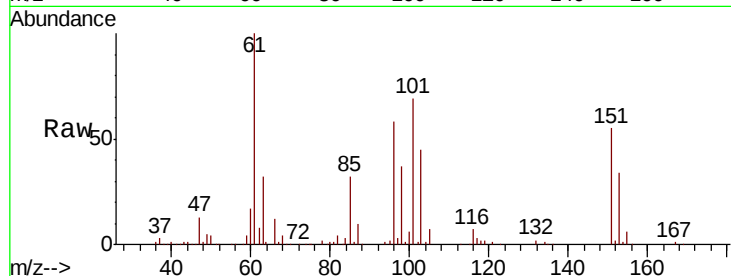
Tot Ion:101 Resp: 70984

Ion Ratio Lower Upper

101 100

85 45.8 35.7 53.5

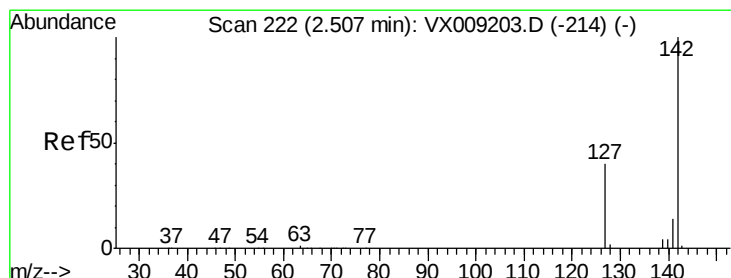
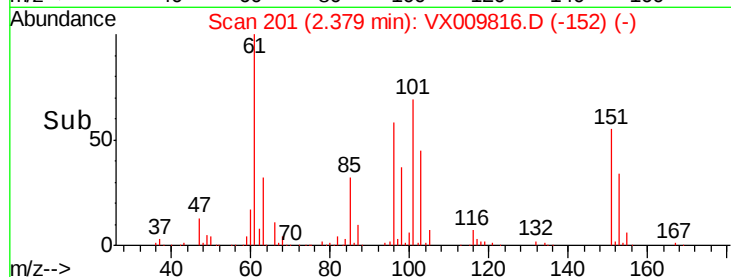
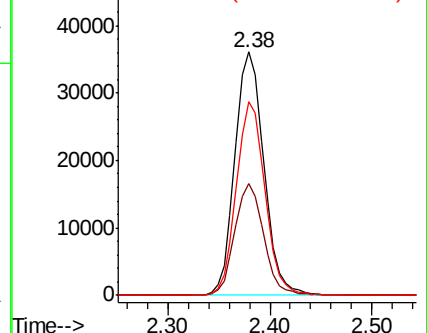
151 78.6 62.2 93.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 47.609 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX009816.D

Acq: 22 May 2019 19:51

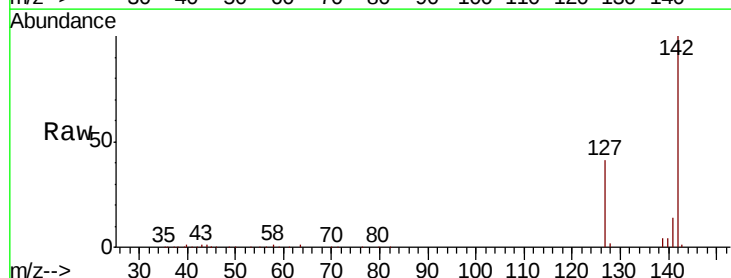
Tgt Ion:142 Resp: 90446

Ion Ratio Lower Upper

142 100

127 41.5 32.7 49.1

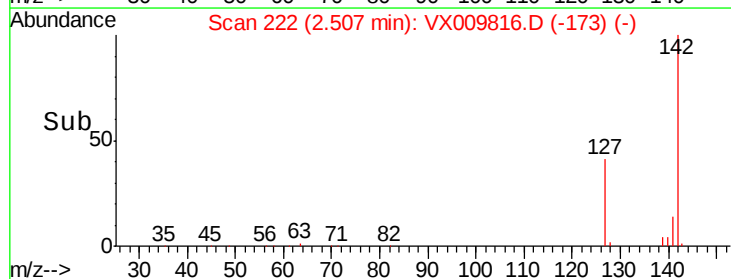
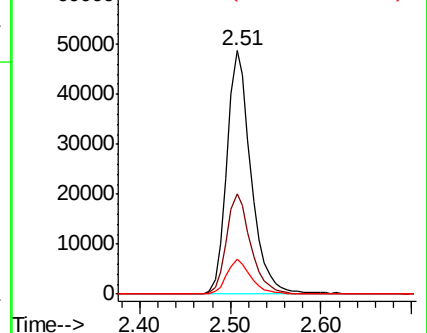
141 14.2 11.5 17.3

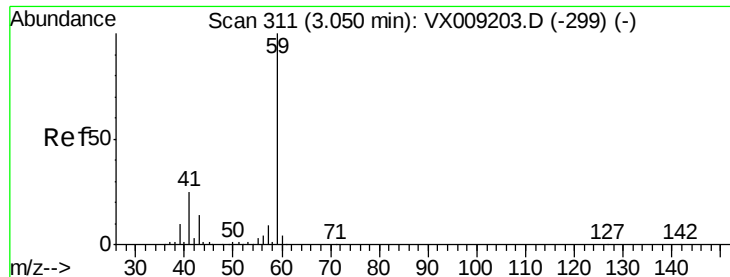


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

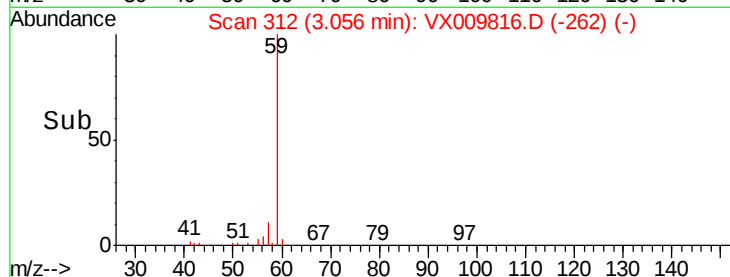
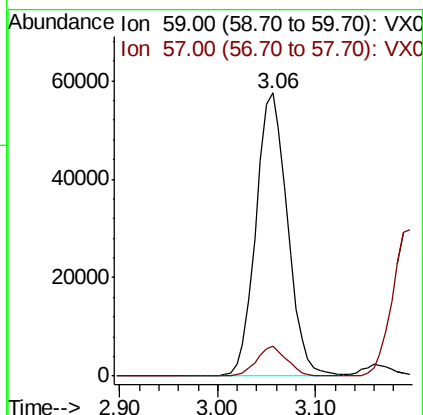
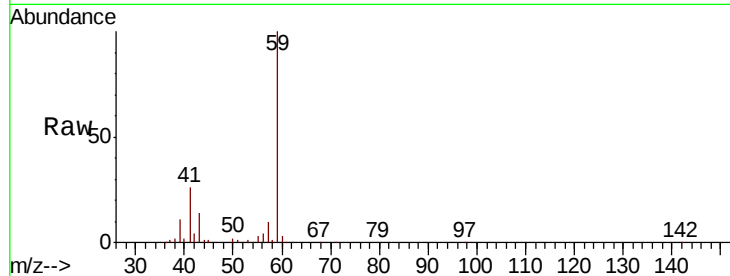




#11
Tert butyl alcohol
Concen: 232.360 ug/l
RT: 3.06 min Scan# 312
Delta R.T. 0.01 min
Lab File: VX009816.D
Acq: 22 May 2019 19:51

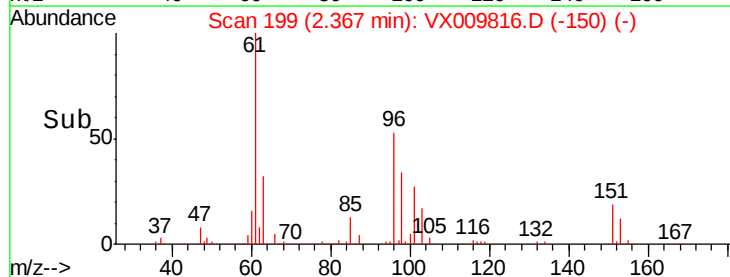
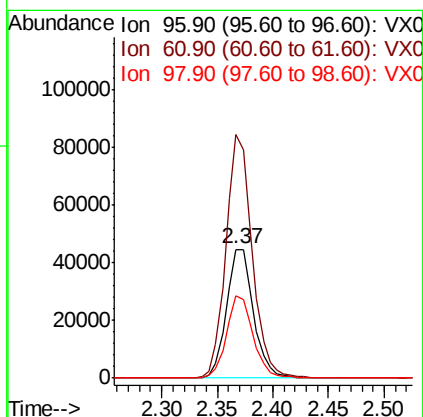
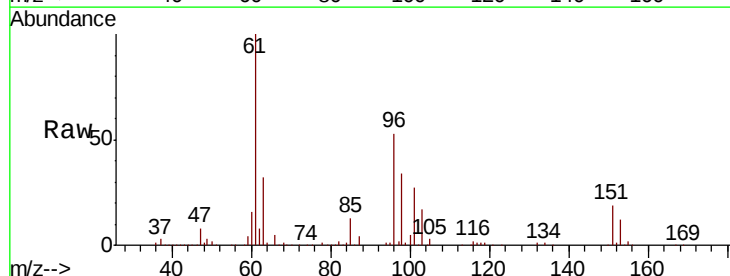
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

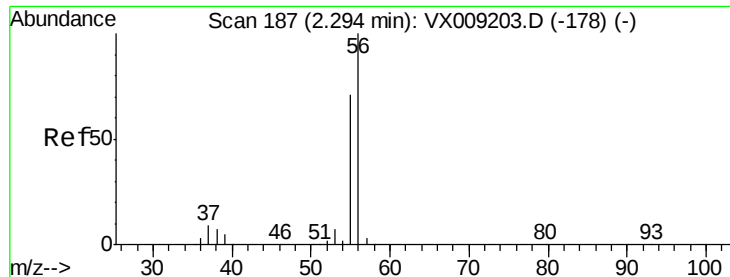
Tot Ion: 59 Resp: 128853
Ion Ratio Lower Upper
59 100
57 10.5 8.2 12.2



#12
1,1-Dichloroethene
Concen: 45.515 ug/l
RT: 2.37 min Scan# 199
Delta R.T. 0.00 min
Lab File: VX009816.D
Acq: 22 May 2019 19:51

Tgt Ion: 96 Resp: 74946
Ion Ratio Lower Upper
96 100
61 189.1 144.3 216.5
98 64.3 50.3 75.5





#13

Acrolein

Concen: 208.160 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX009816.D

Acq: 22 May 2019 19:51

Instrument :

MSVOA_X

ClientSampleId :

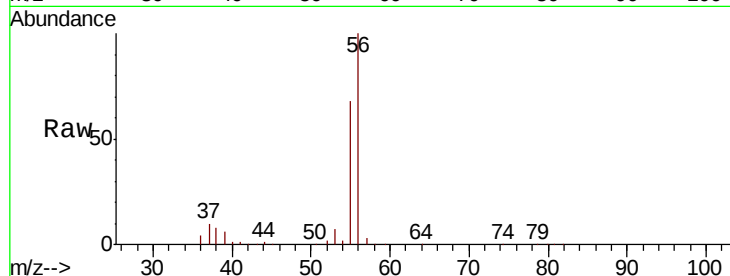
VSTDCCC050EC

Tot Ion: 56 Resp: 104540

Ion Ratio Lower Upper

56 100

55 70.4 56.6 85.0



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.29

80000

60000

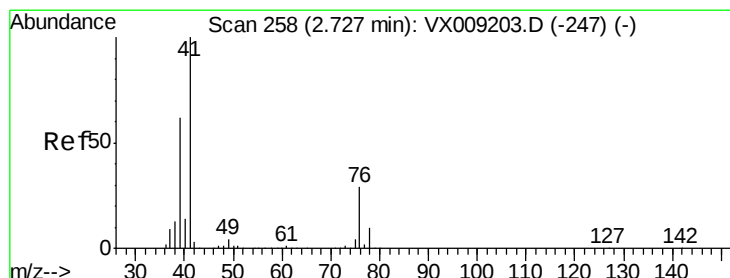
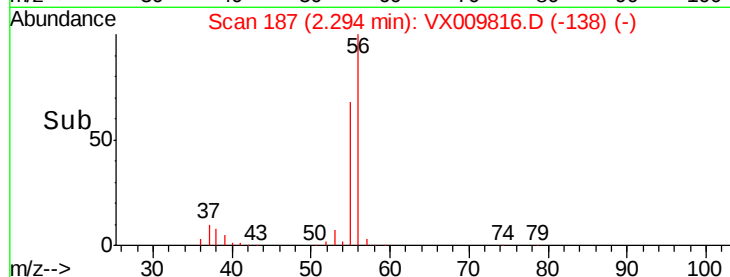
40000

20000

0

Time-->

2.20 2.30 2.40



#14

Allyl chloride

Concen: 46.247 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX009816.D

Acq: 22 May 2019 19:51

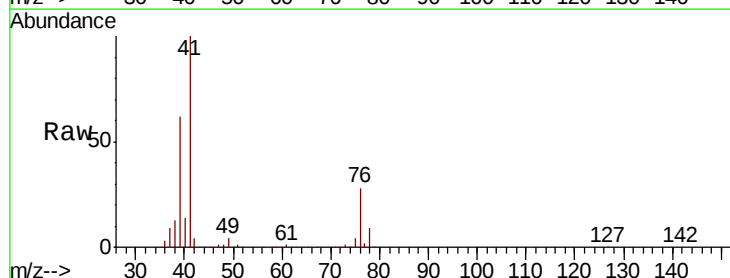
Tgt Ion: 41 Resp: 185580

Ion Ratio Lower Upper

41 100

39 58.7 46.7 70.1

76 26.1 21.8 32.8



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0

120000

100000

80000

60000

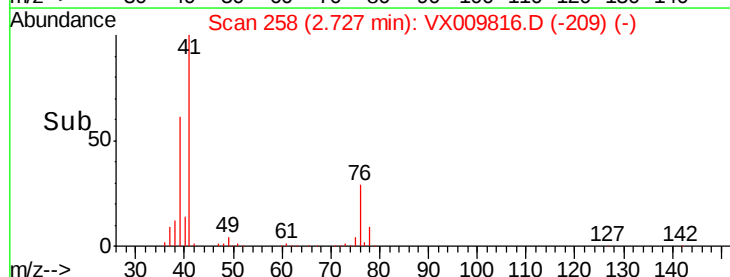
40000

20000

0

Time-->

2.60 2.70 2.80





#15

Acrylonitrile

Concen: 231.797 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX009816.D

Acq: 22 May 2019 19:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

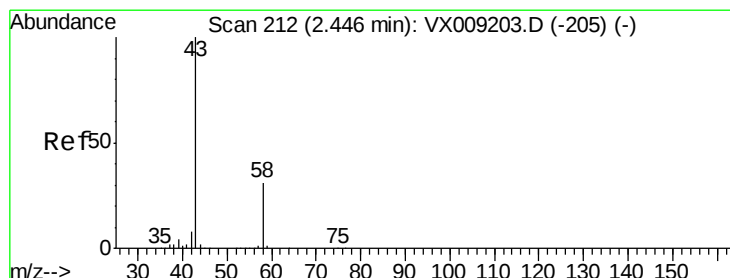
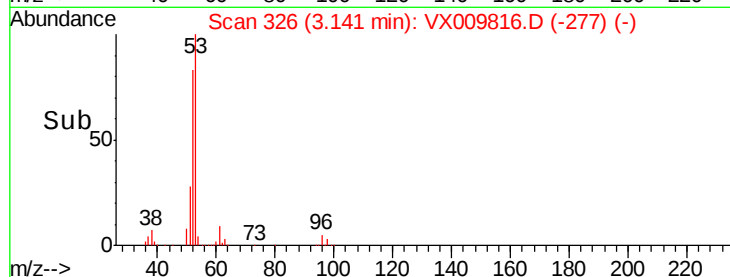
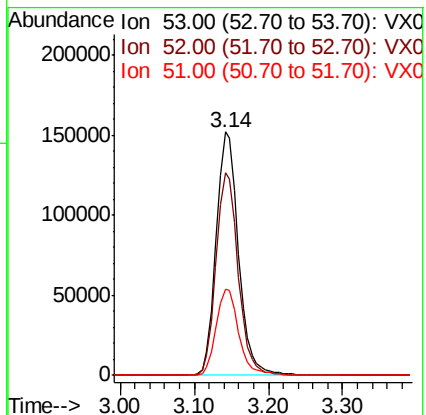
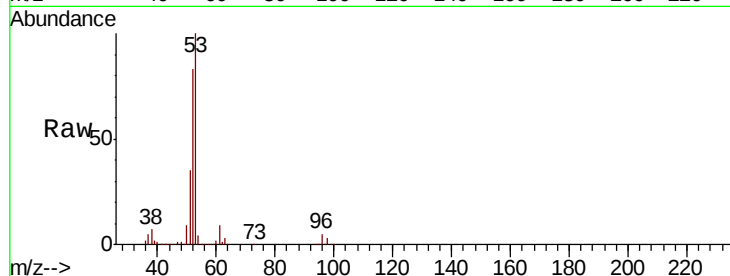
Tot Ion: 53 Resp: 314291

Ion Ratio Lower Upper

53 100

52 82.6 66.9 100.3

51 36.0 28.2 42.2



#16

Acetone

Concen: 218.682 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX009816.D

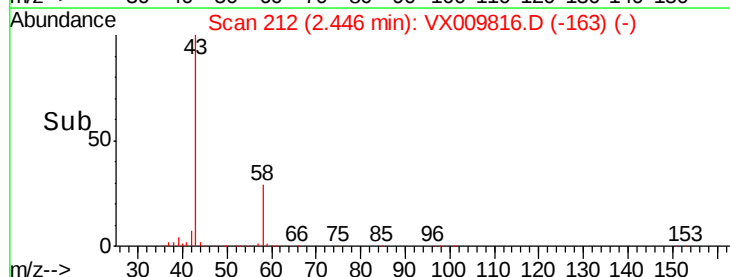
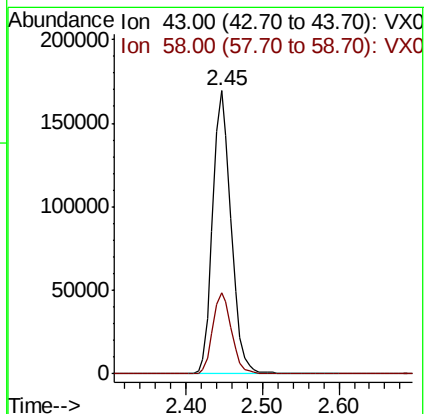
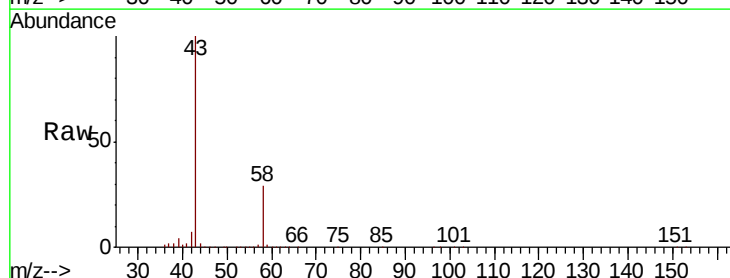
Acq: 22 May 2019 19:51

Tgt Ion: 43 Resp: 281309

Ion Ratio Lower Upper

43 100

58 28.6 24.9 37.3

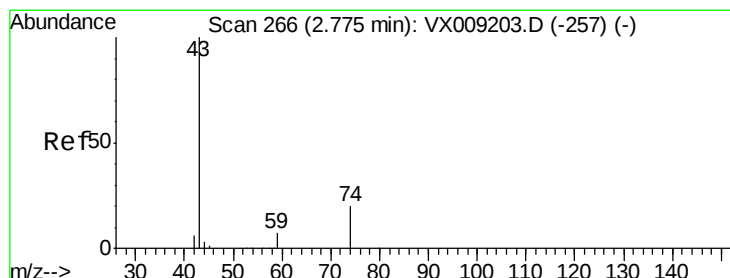
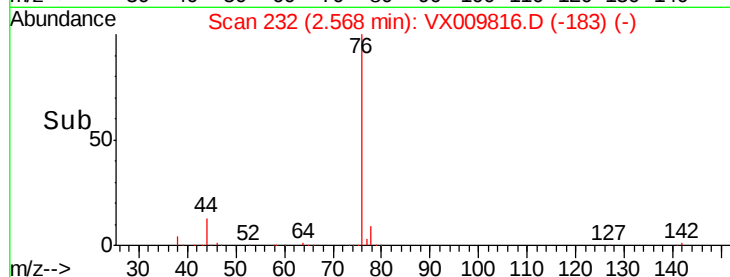
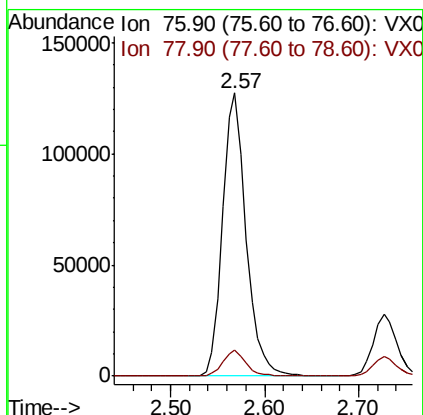
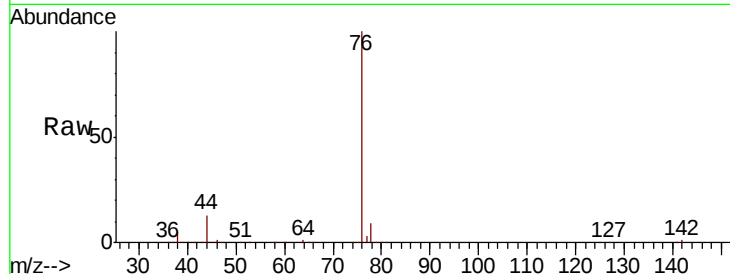




#17
Carbon Disulfide
Concen: 47.799 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX009816.D
Acq: 22 May 2019 19:51

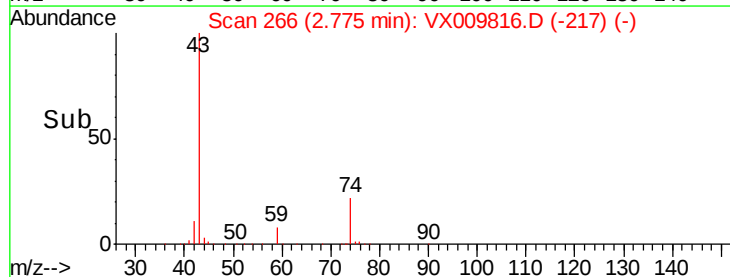
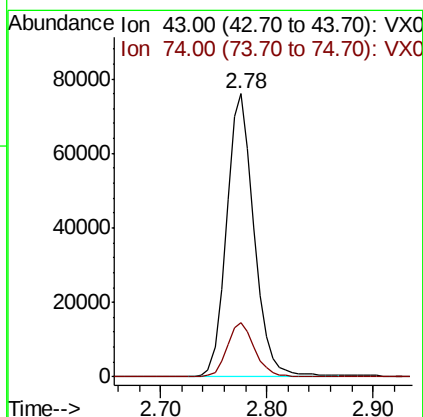
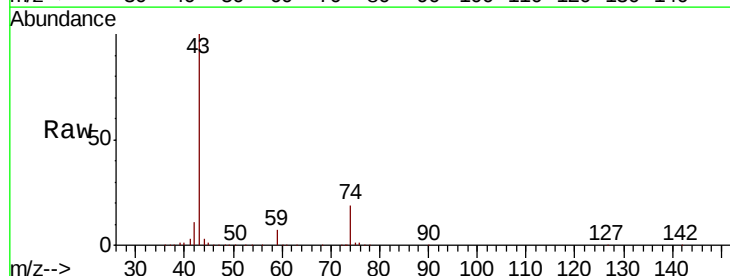
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

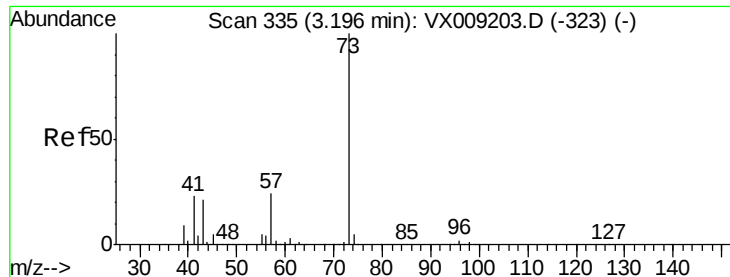
Tot Ion: 76 Resp: 220974
Ion Ratio Lower Upper
76 100
78 9.0 7.4 11.0



#18
Methyl Acetate
Concen: 44.708 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX009816.D
Acq: 22 May 2019 19:51

Tgt Ion: 43 Resp: 136775
Ion Ratio Lower Upper
43 100
74 19.6 16.2 24.4



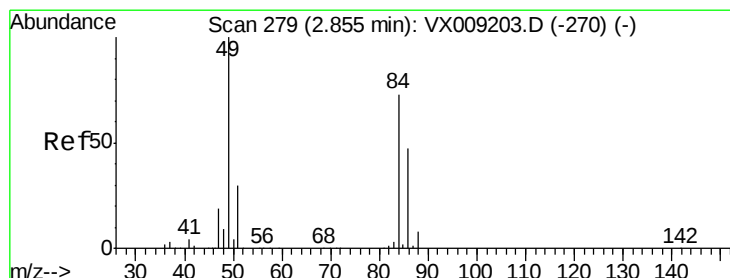
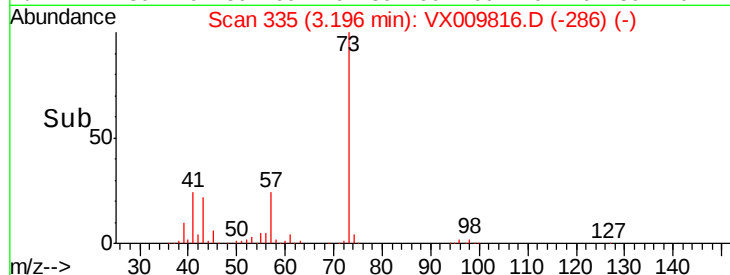
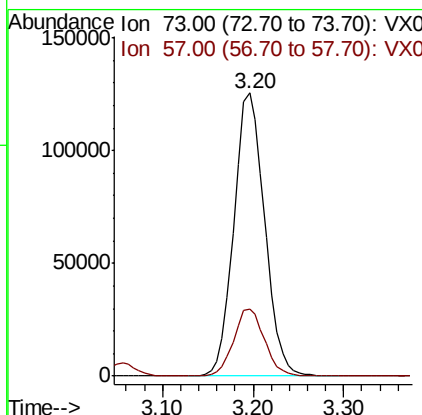
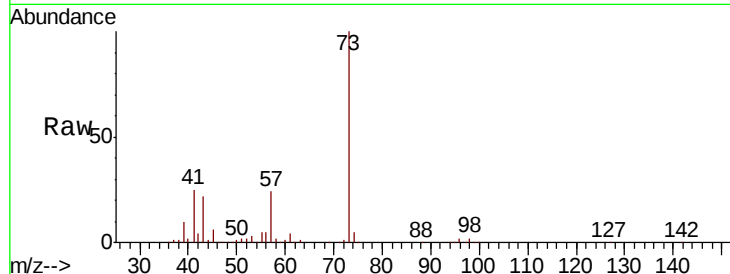


#19

Methyl tert-butyl Ether
 Concen: 46.199 ug/l
 RT: 3.20 min Scan# 335
 Delta R.T. 0.00 min
 Lab File: VX009816.D
 Acq: 22 May 2019 19:51

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050EC

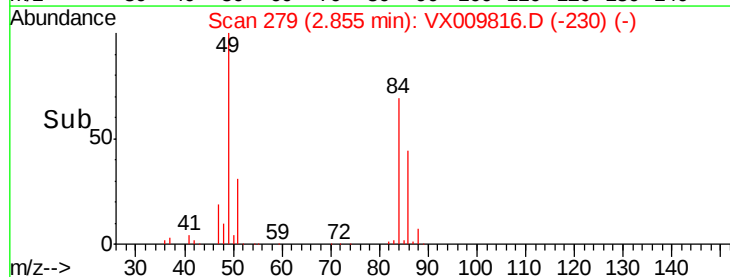
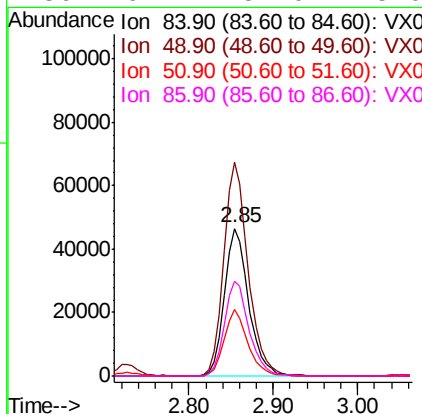
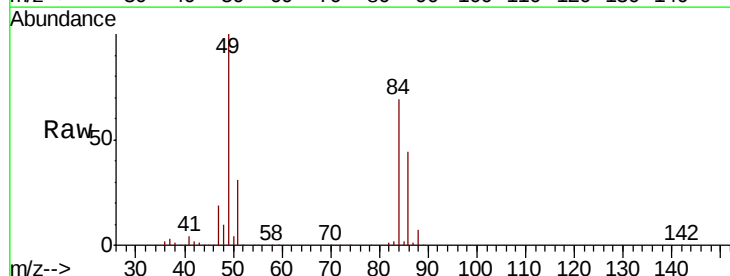
Tot Ion: 73 Resp: 295407
 Ion Ratio Lower Upper
 73 100
 57 23.6 19.3 28.9

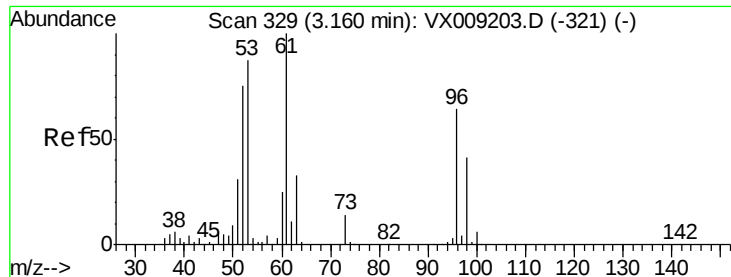


#20

Methylene Chloride
 Concen: 43.882 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. 0.00 min
 Lab File: VX009816.D
 Acq: 22 May 2019 19:51

Tgt Ion: 84 Resp: 91399
 Ion Ratio Lower Upper
 84 100
 49 144.7 109.9 164.9
 51 45.5 32.7 49.1
 86 64.1 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 45.879 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX009816.D

Acq: 22 May 2019 19:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

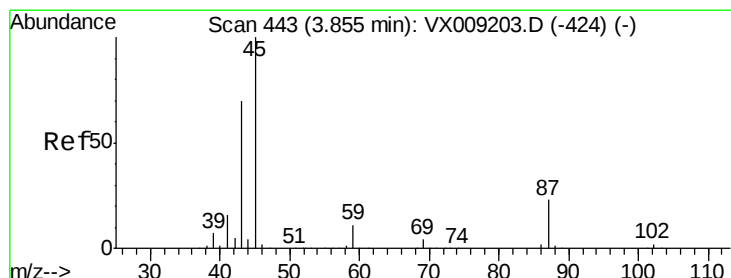
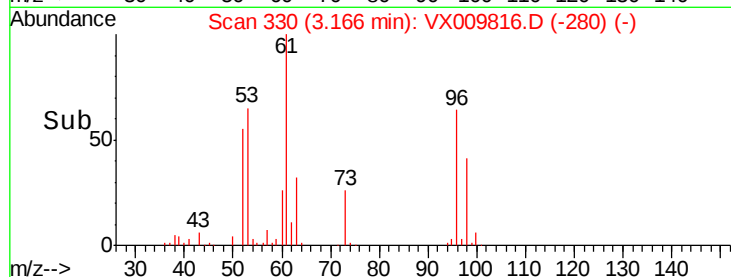
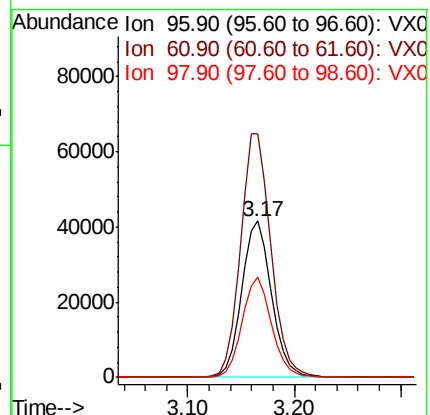
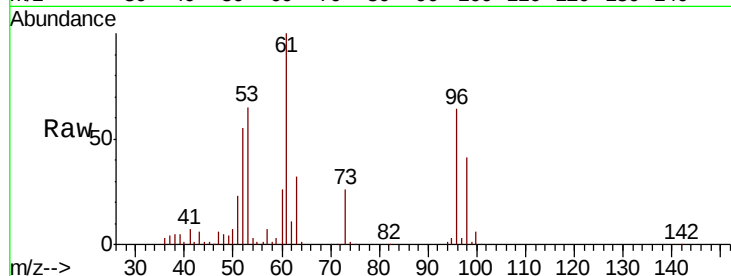
Tot Ion: 96 Resp: 81930

Ion Ratio Lower Upper

96 100

61 155.1 124.5 186.7

98 63.8 50.4 75.6



#22

Diisopropyl ether

Concen: 46.866 ug/l

RT: 3.85 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX009816.D

Acq: 22 May 2019 19:51

Tgt Ion: 45 Resp: 361668

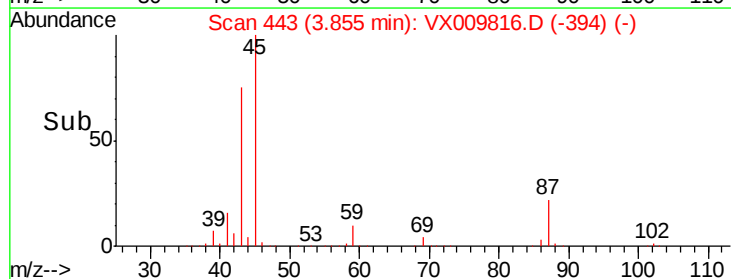
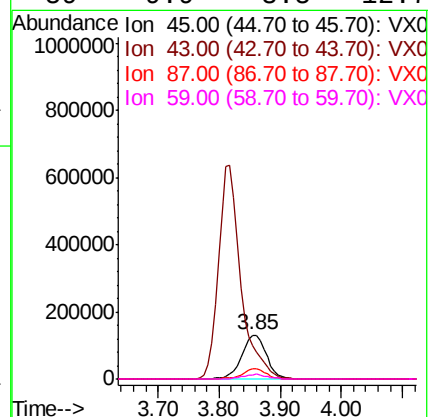
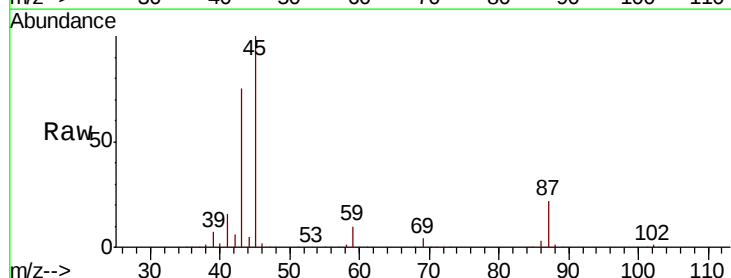
Ion Ratio Lower Upper

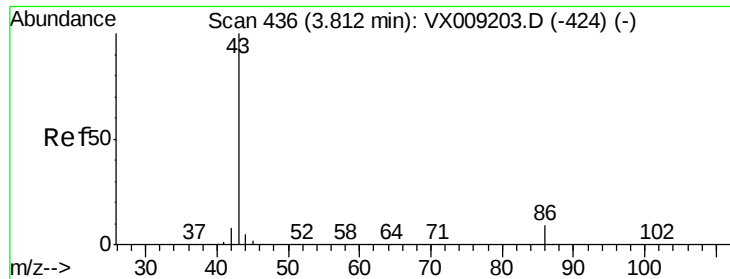
45 100

43 74.7 56.1 84.1

87 22.1 18.1 27.1

59 9.9 8.5 12.7





#23

Vinyl Acetate

Concen: 248.443 ug/l

RT: 3.82 min Scan# 437

Delta R.T. 0.01 min

Lab File: VX009816.D

Acq: 22 May 2019 19:51

Instrument :

MSVOA_X

ClientSampleId :

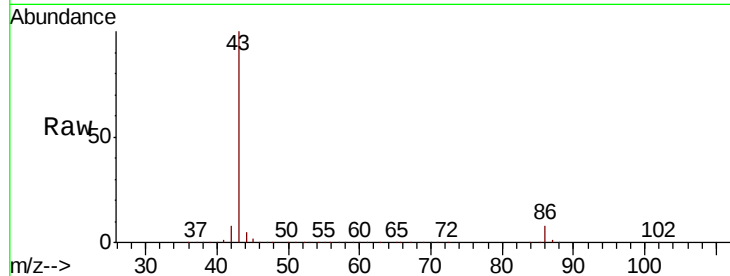
VSTDCCC050EC

Tot Ion: 43 Resp: 1641778

Ion Ratio Lower Upper

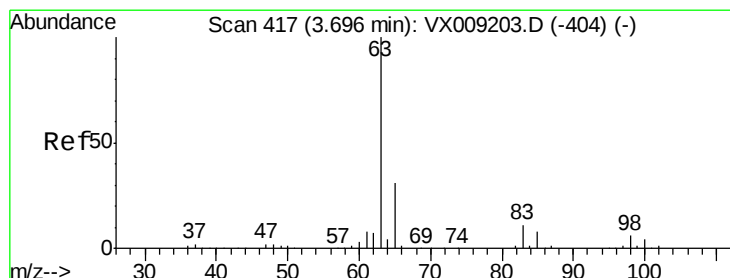
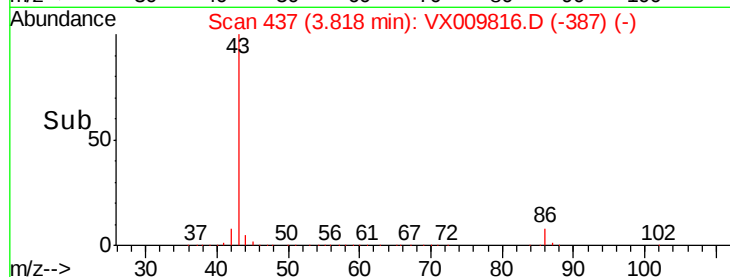
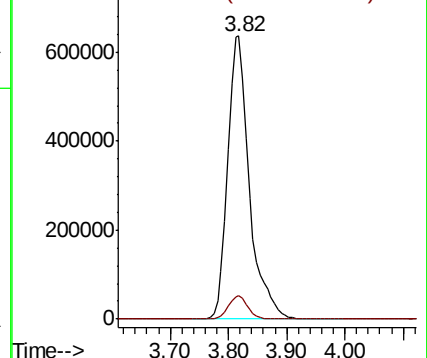
43 100

86 8.4 6.9 10.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 45.625 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX009816.D

Acq: 22 May 2019 19:51

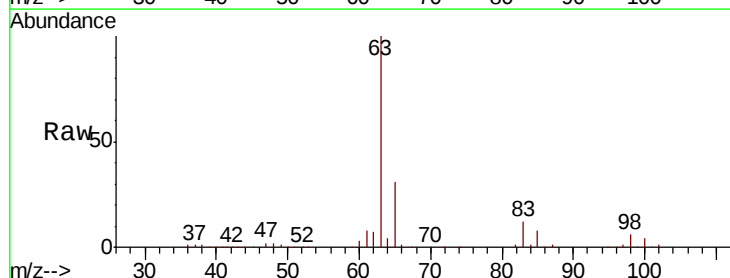
Tgt Ion: 63 Resp: 173694

Ion Ratio Lower Upper

63 100

98 6.0 3.0 9.2

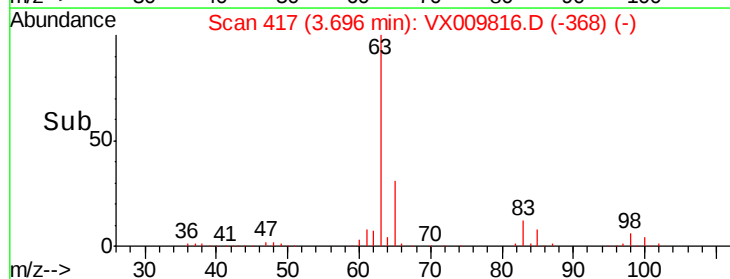
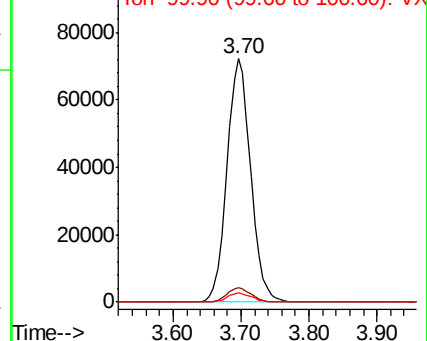
100 3.7 2.0 6.0

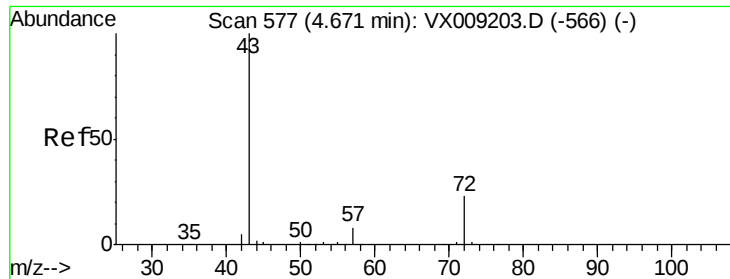


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 237.142 ug/l

RT: 4.68 min Scan# 578

Delta R.T. 0.01 min

Lab File: VX009816.D

Acq: 22 May 2019 19:51

Instrument :

MSVOA_X

ClientSampleId :

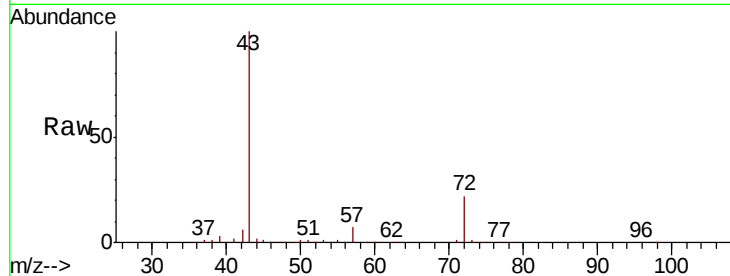
VSTDCCC050EC

Tot Ion: 43 Resp: 474048

Ion Ratio Lower Upper

43 100

72 21.8 18.2 27.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.68

150000

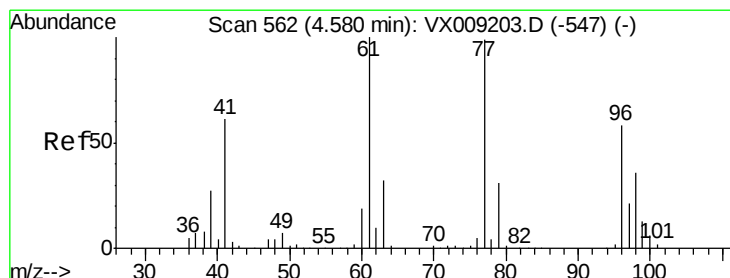
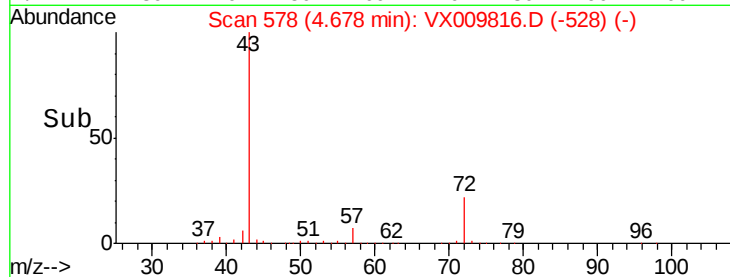
100000

50000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 41.230 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX009816.D

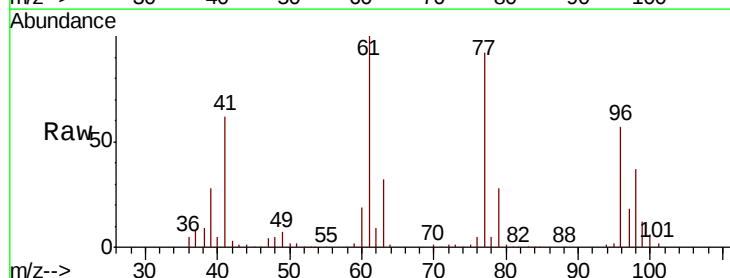
Acq: 22 May 2019 19:51

Tgt Ion: 77 Resp: 116831

Ion Ratio Lower Upper

77 100

97 22.8 11.5 34.4



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

4.58

40000

30000

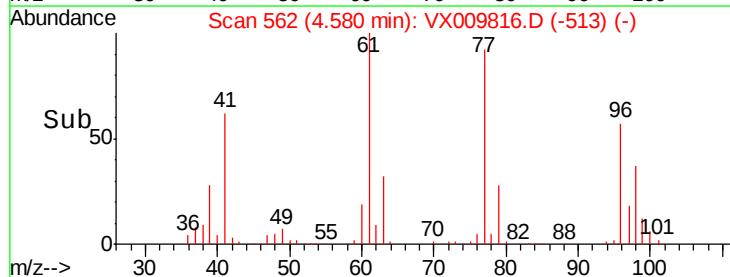
20000

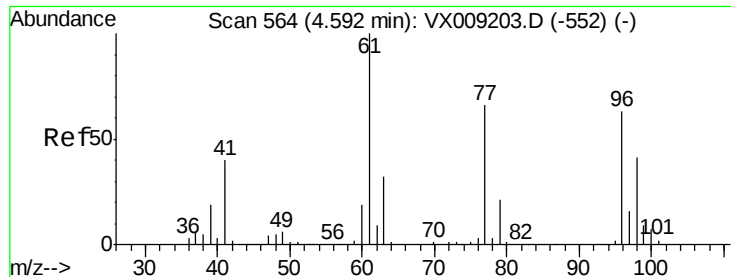
10000

0

4.40 4.50 4.60 4.70

Time-->



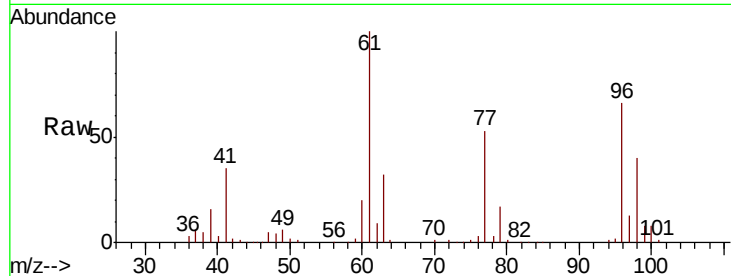


#27

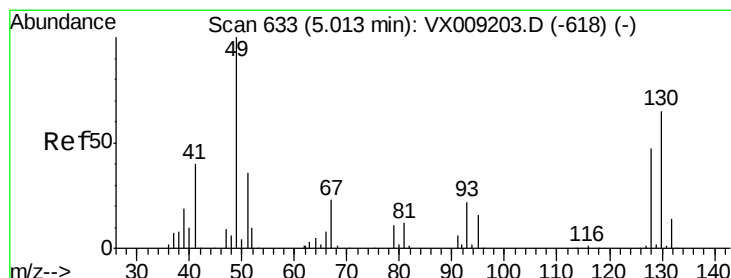
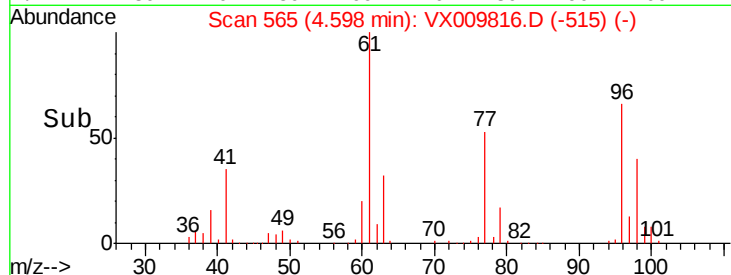
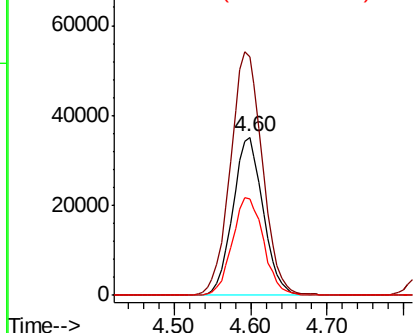
cis-1,2-Dichloroethene
Concen: 45.444 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.01 min
Lab File: VX009816.D
Acq: 22 May 2019 19:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 96 Resp: 96865
Ion Ratio Lower Upper
96 100
61 162.2 0.0 324.0
98 63.5 0.0 130.4



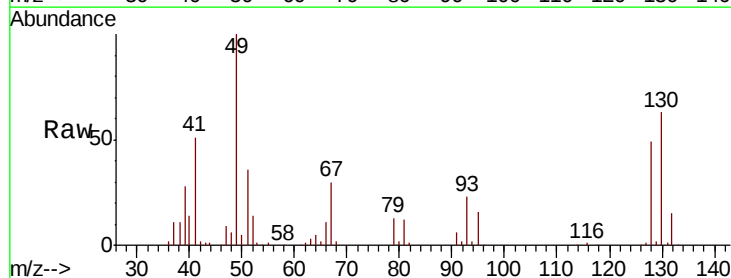
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



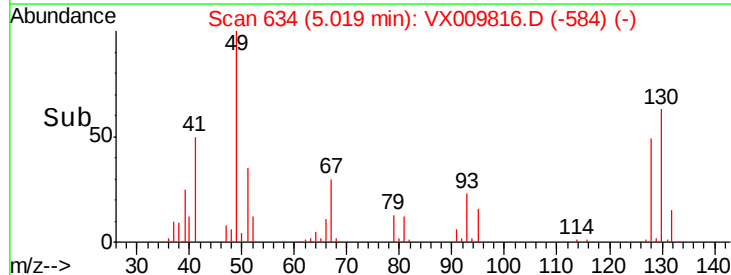
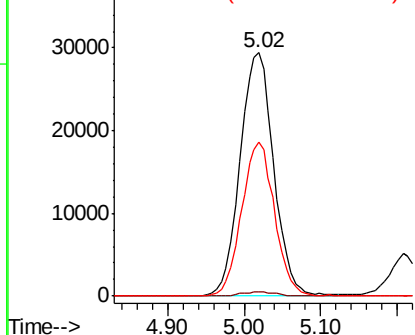
#28

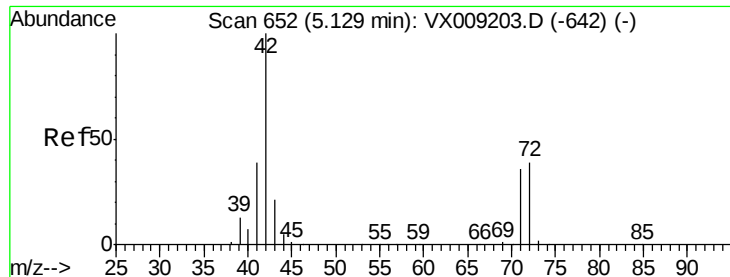
Bromochloromethane
Concen: 59.323 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.01 min
Lab File: VX009816.D
Acq: 22 May 2019 19:51

Tgt Ion: 49 Resp: 90128
Ion Ratio Lower Upper
49 100
129 1.8 0.0 3.8
130 61.6 51.2 76.8



Abundance Ion 48.90 (48.60 to 49.60): VX0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

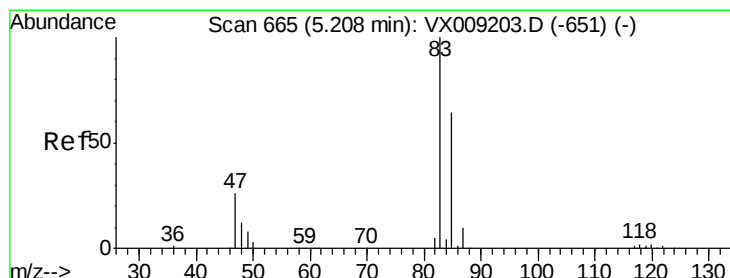
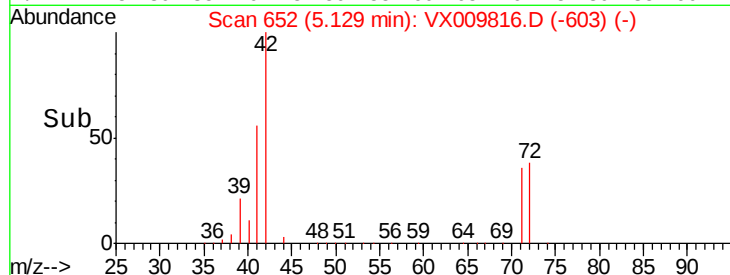
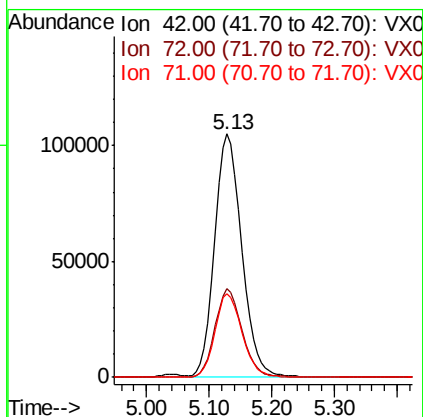
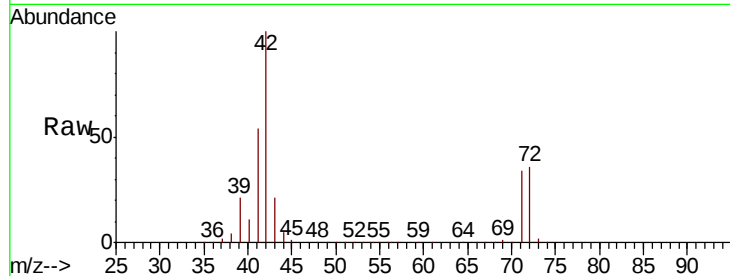




#29
Tetrahydrofuran
Concen: 244.322 ug/l
RT: 5.13 min Scan# 652
Delta R.T. 0.00 min
Lab File: VX009816.D
Acq: 22 May 2019 19:51

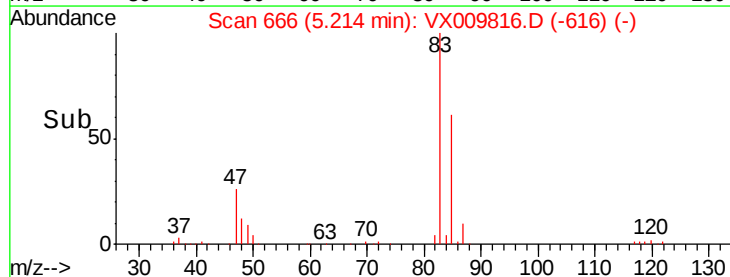
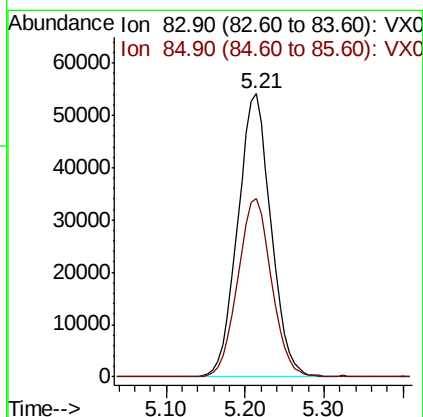
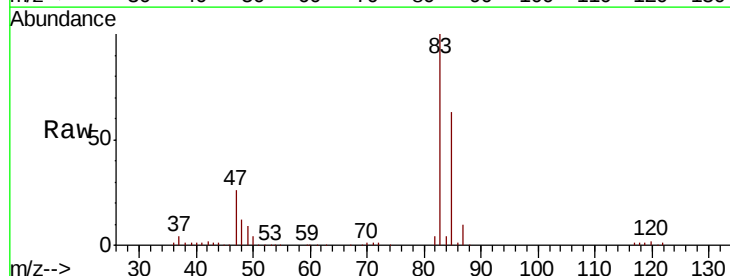
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

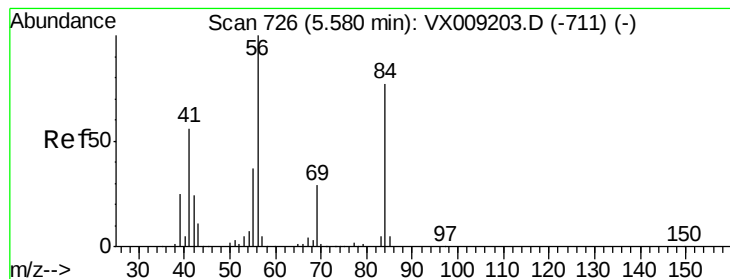
Tot Ion	Ratio	Lower	Upper
42	100		
72	36.5	30.4	45.6
71	34.5	28.6	43.0



#30
Chloroform
Concen: 46.026 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.01 min
Lab File: VX009816.D
Acq: 22 May 2019 19:51

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.1	51.5	77.3





#31

Cyclohexane

Concen: 46.832 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.00 min

Lab File: VX009816.D

Acq: 22 May 2019 19:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

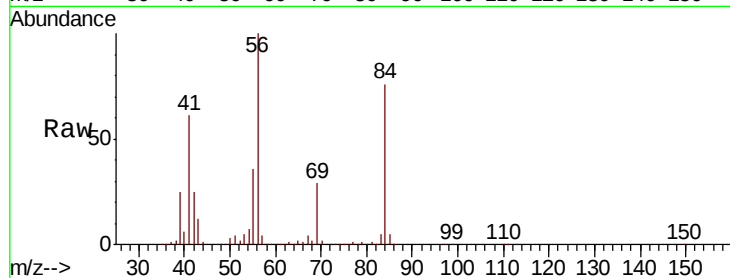
Tot Ion: 56 Resp: 165874

Ion Ratio Lower Upper

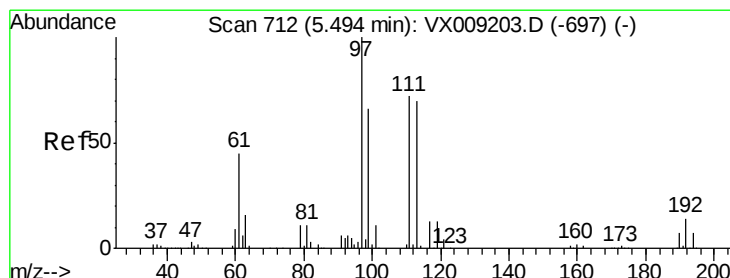
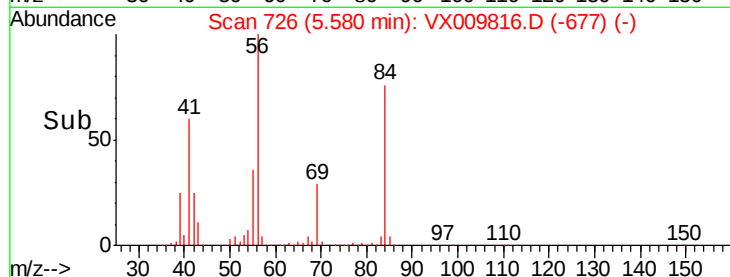
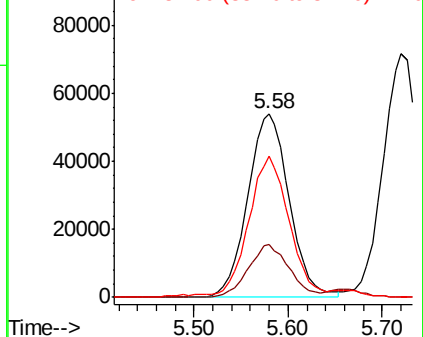
56 100

69 28.8 23.4 35.0

84 75.3 61.9 92.9



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 45.933 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX009816.D

Acq: 22 May 2019 19:51

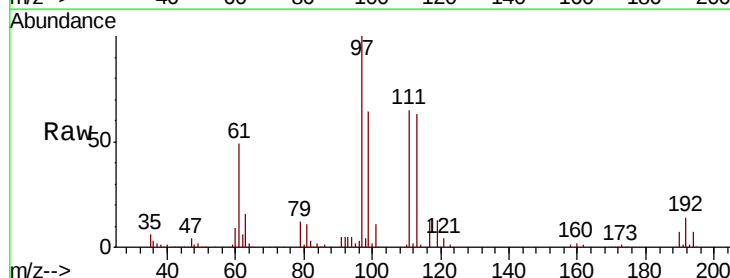
Tgt Ion: 97 Resp: 131655

Ion Ratio Lower Upper

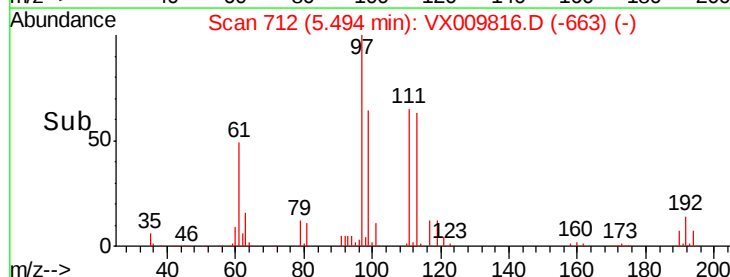
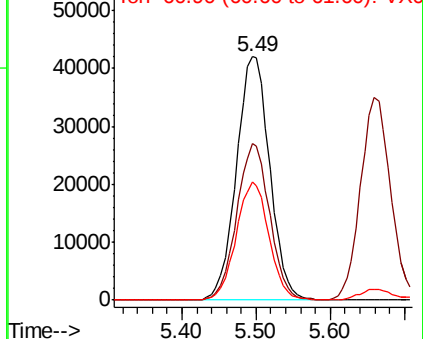
97 100

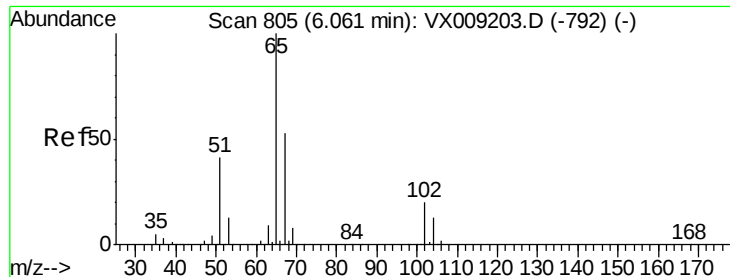
99 63.5 51.8 77.8

61 48.1 37.8 56.8



Abundance Ion 96.90 (96.60 to 97.60): VX0
Ion 98.90 (98.60 to 99.60): VX0
Ion 60.90 (60.60 to 61.60): VX0

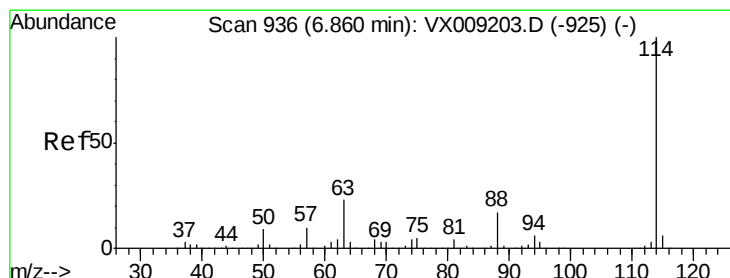
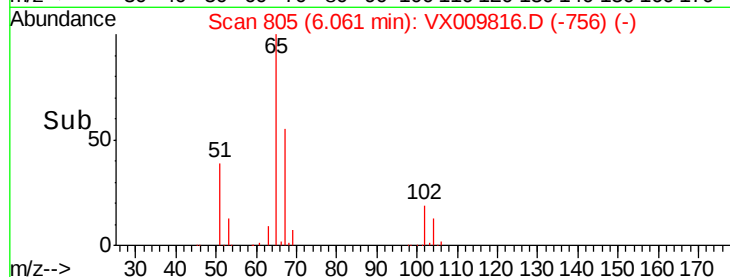
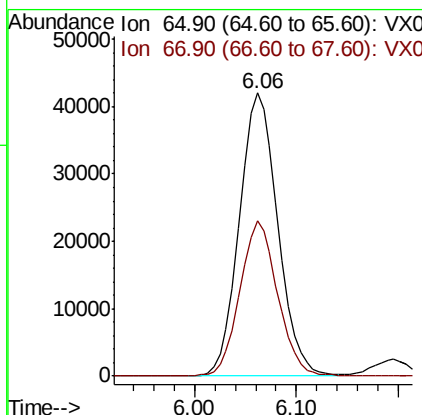
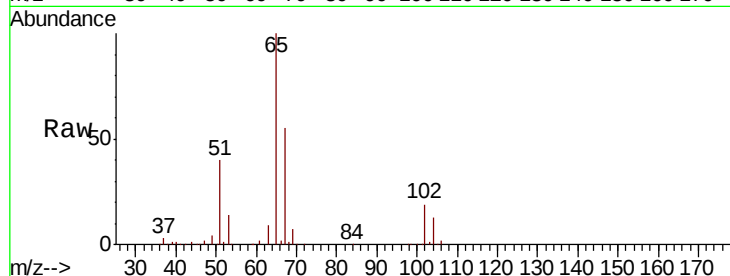




#33
 1,2-Dichloroethane-d4
 Concen: 45.869 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX009816.D
 Acq: 22 May 2019 19:51

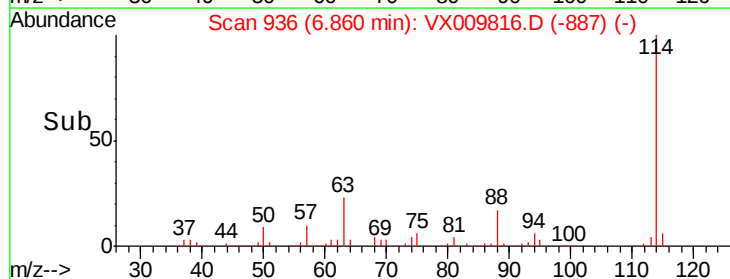
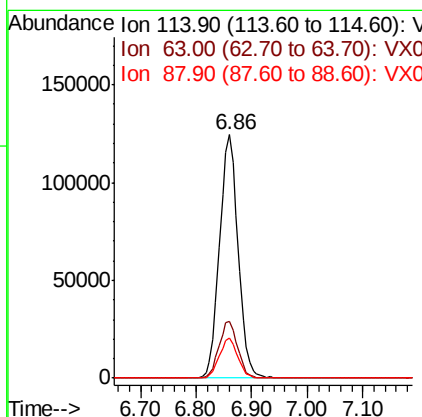
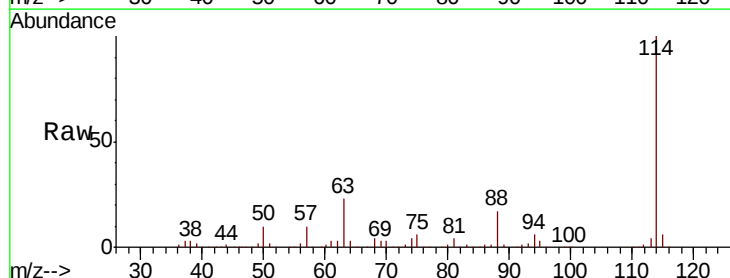
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

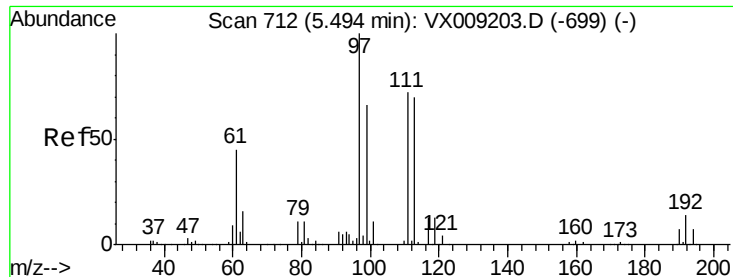
Tot Ion: 65 Resp: 109887
 Ion Ratio Lower Upper
 65 100
 67 53.8 0.0 106.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX009816.D
 Acq: 22 May 2019 19:51

Tgt Ion: 114 Resp: 288404
 Ion Ratio Lower Upper
 114 100
 63 23.2 0.0 45.6
 88 16.7 0.0 33.2

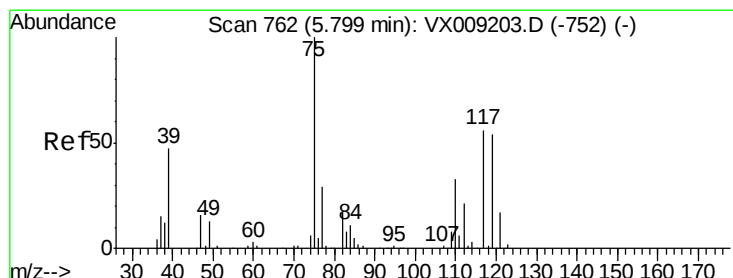
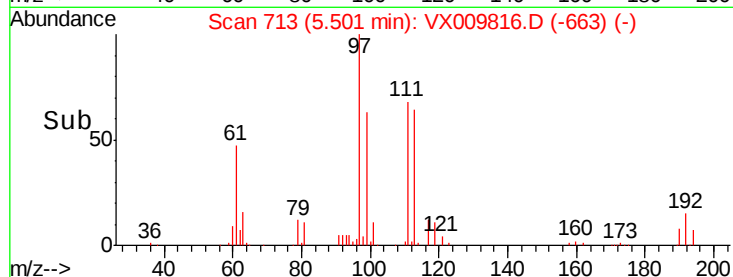
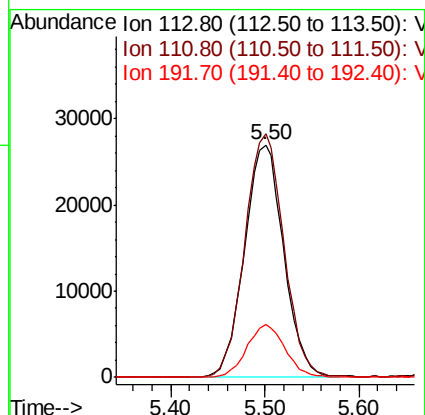
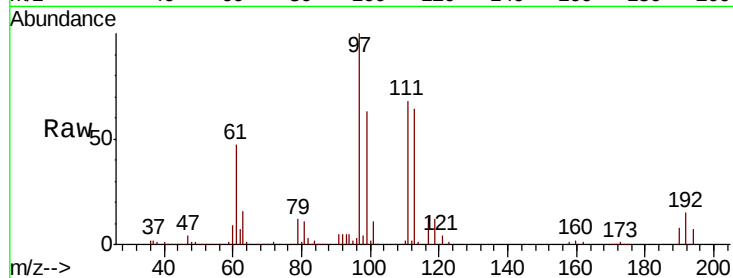




#35
 Dibromofluoromethane
 Concen: 43.494 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX009816.D
 Acq: 22 May 2019 19:51

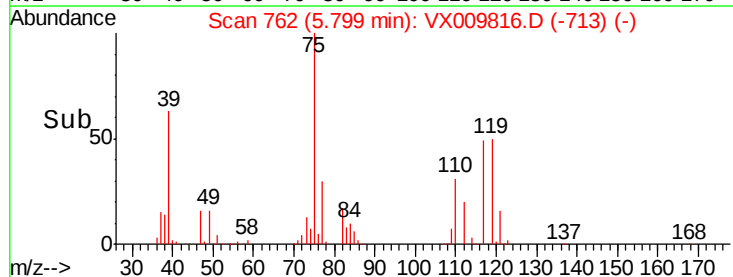
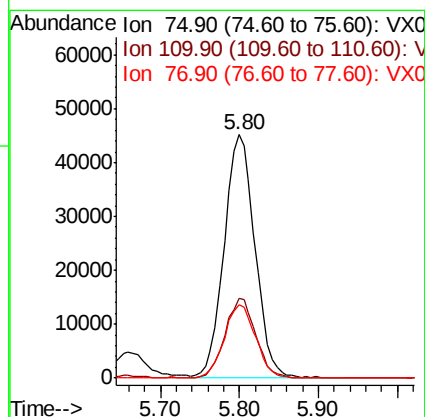
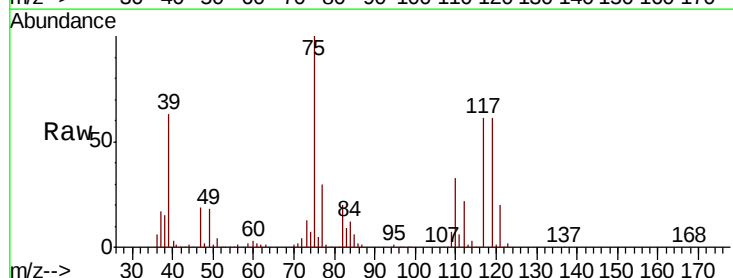
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

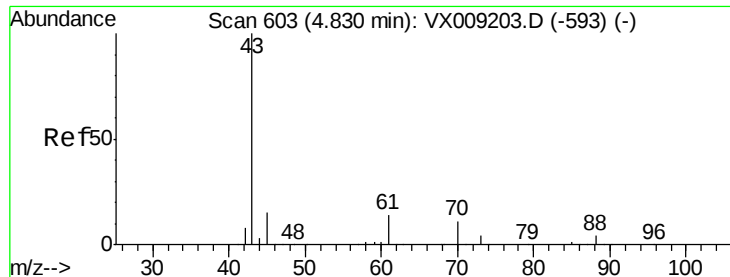
Tot Ion:113 Resp: 78855
 Ion Ratio Lower Upper
 113 100
 111 104.5 82.8 124.2
 192 22.1 17.0 25.6



#36
 1,1-Dichloropropene
 Concen: 45.551 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: VX009816.D
 Acq: 22 May 2019 19:51

Tgt Ion: 75 Resp: 122085
 Ion Ratio Lower Upper
 75 100
 110 32.8 16.9 50.6
 77 31.1 24.8 37.2





#37

Ethyl Acetate

Concen: 47.930 ug/l

RT: 4.84 min Scan# 604

Delta R.T. 0.01 min

Lab File: VX009816.D

Acq: 22 May 2019 19:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

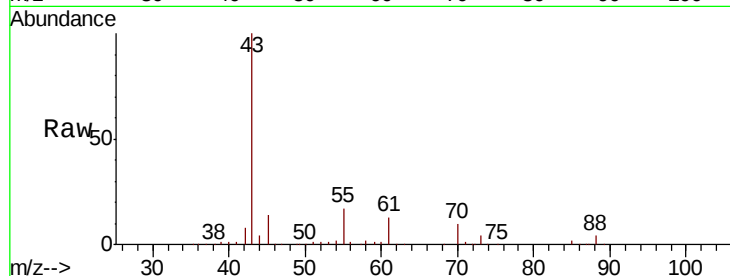
Tot Ion: 43 Resp: 178985

Ion Ratio Lower Upper

43 100

61 12.9 10.5 15.7

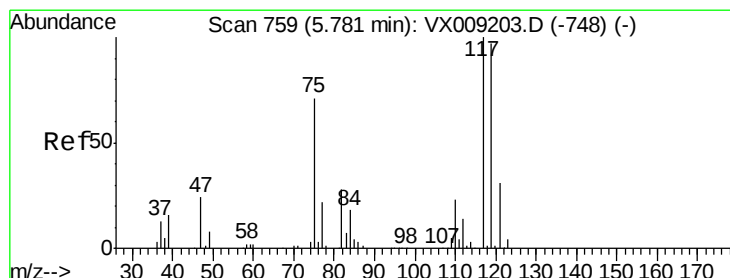
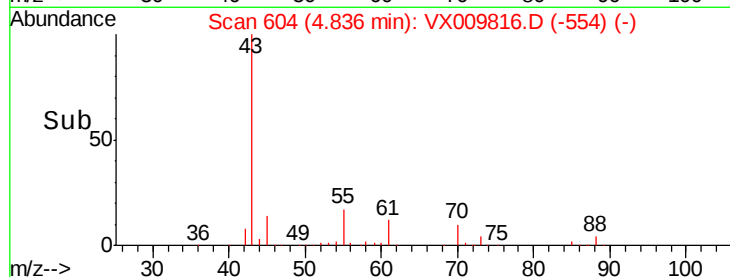
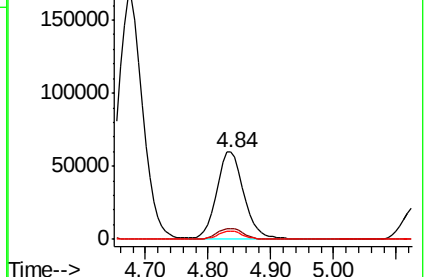
70 9.2 7.9 11.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0



#38

Carbon Tetrachloride

Concen: 44.892 ug/l

RT: 5.78 min Scan# 759

Delta R.T. 0.00 min

Lab File: VX009816.D

Acq: 22 May 2019 19:51

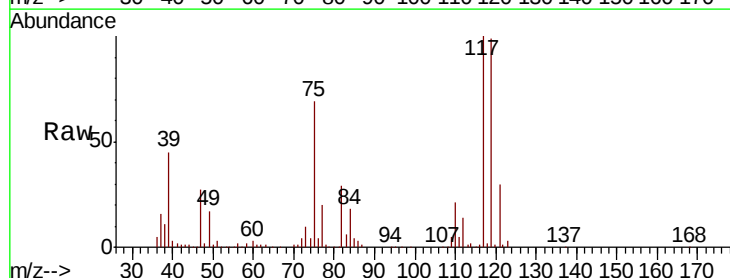
Tgt Ion: 117 Resp: 109318

Ion Ratio Lower Upper

117 100

119 98.5 77.5 116.3

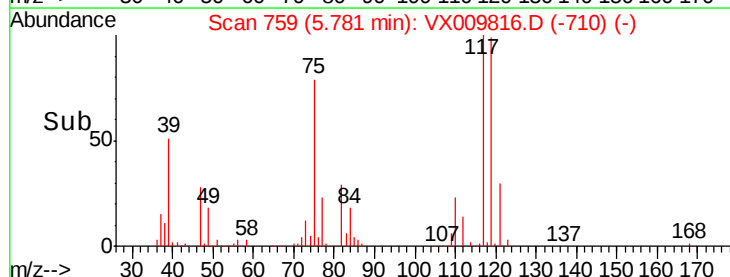
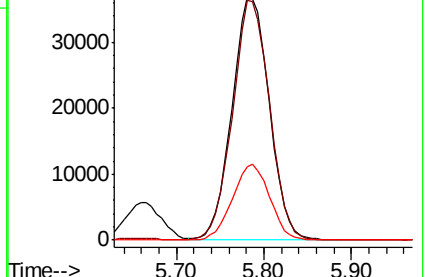
121 29.9 24.7 37.1



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

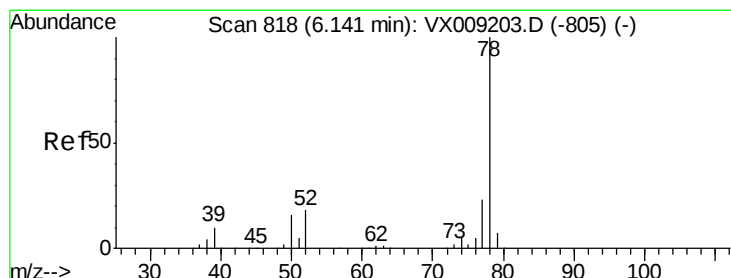
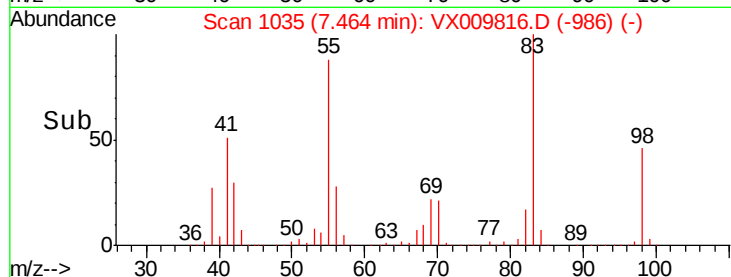
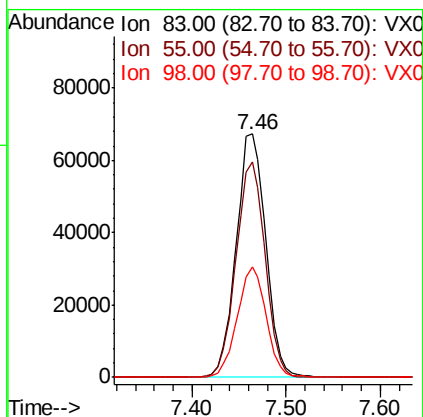
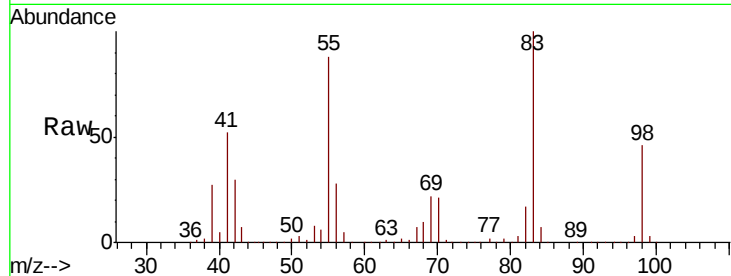




#39
Methvlcvclohexane
Concen: 44.894 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX009816.D
Acq: 22 May 2019 19:51

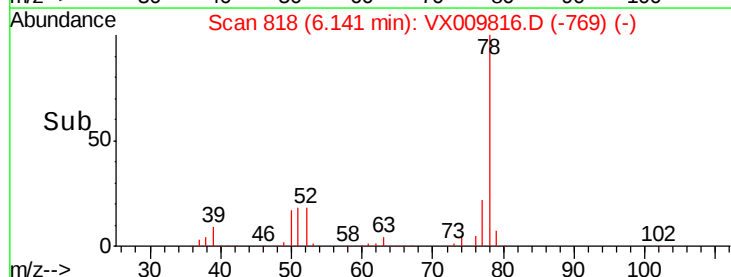
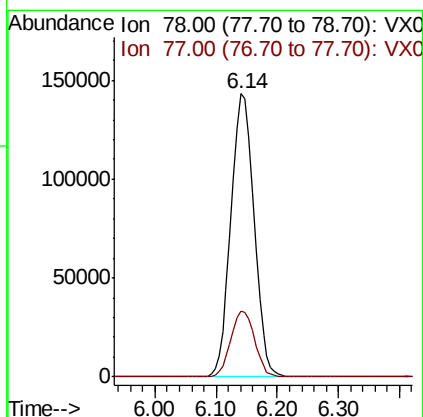
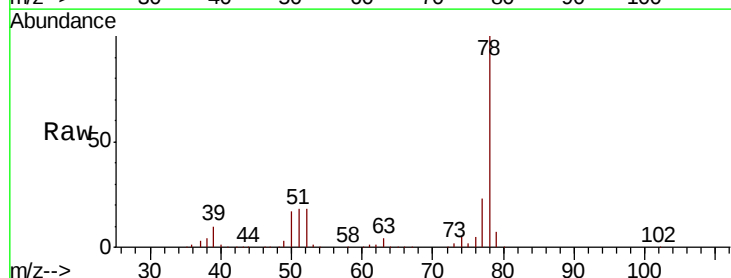
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 83 Resp: 147769
Ion Ratio Lower Upper
83 100
55 88.4 67.7 101.5
98 45.5 35.5 53.3



#40
Benzene
Concen: 45.297 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX009816.D
Acq: 22 May 2019 19:51

Tgt Ion: 78 Resp: 375728
Ion Ratio Lower Upper
78 100
77 23.2 18.8 28.2

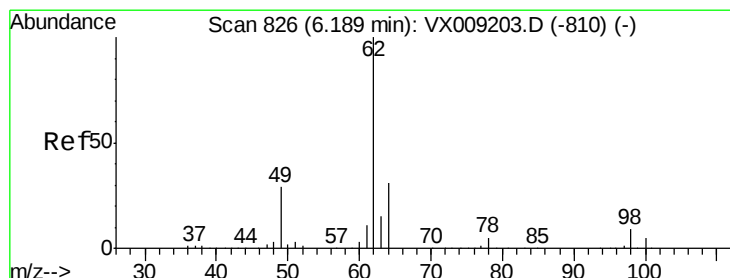
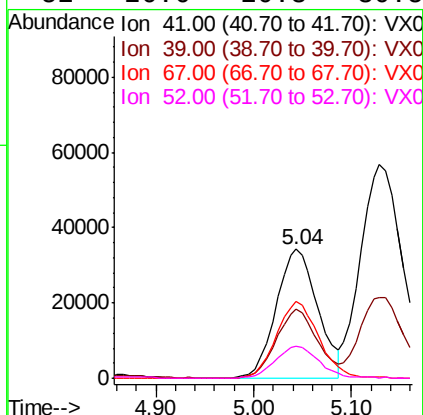
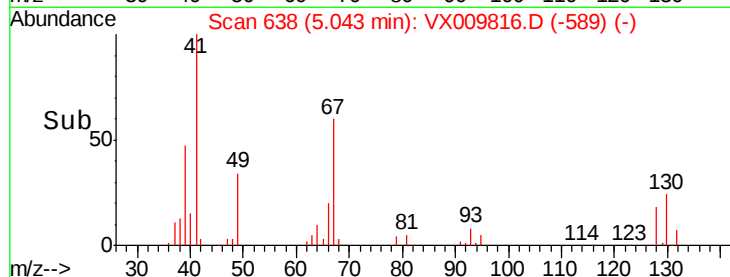
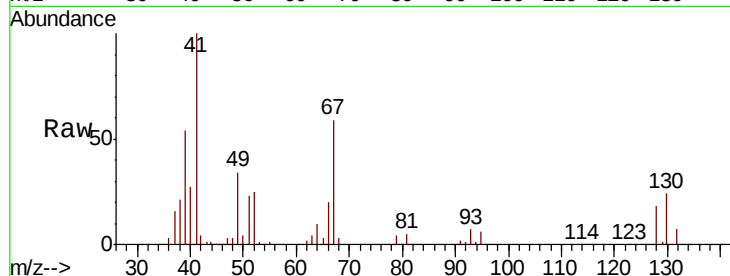




#41
Methacrylonitrile
Concen: 45.763 ug/l
RT: 5.04 min Scan# 638
Delta R.T. 0.00 min
Lab File: VX009816.D
Acq: 22 May 2019 19:51

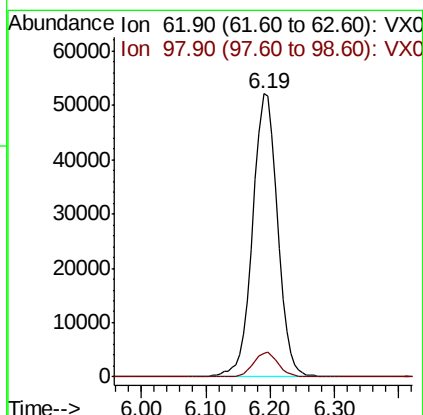
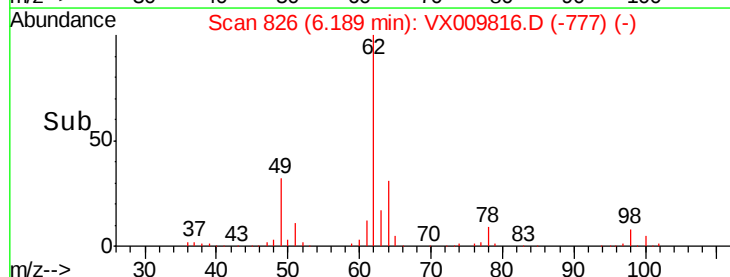
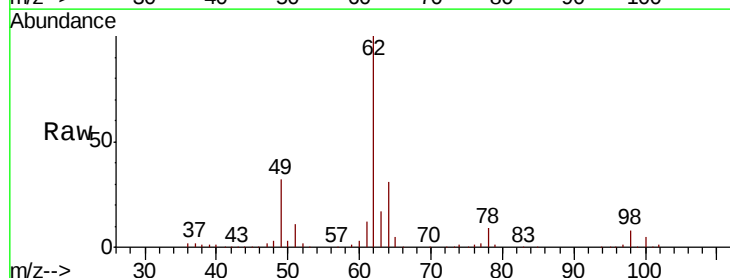
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

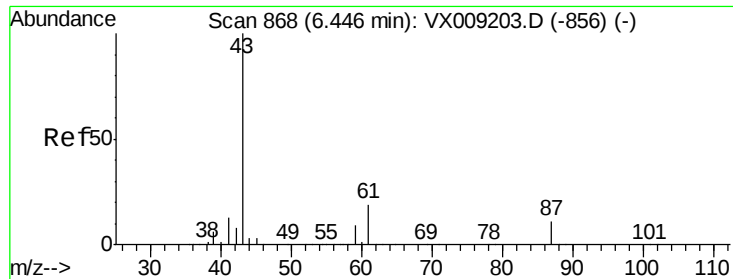
Tot Ion:	41	Resp:	101727
Ion	Ratio	Lower	Upper
41	100		
39	52.8	42.0	63.0
67	60.5	49.8	74.8
52	26.6	20.3	30.5



#42
1,2-Dichloroethane
Concen: 46.519 ug/l
RT: 6.19 min Scan# 826
Delta R.T. 0.00 min
Lab File: VX009816.D
Acq: 22 May 2019 19:51

Tgt Ion:	62	Resp:	138413
Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	18.2





#43

Isopropyl Acetate

Concen: 47.530 ug/l

RT: 6.45 min Scan# 868

Delta R.T. 0.00 min

Lab File: VX009816.D

Acq: 22 May 2019 19:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

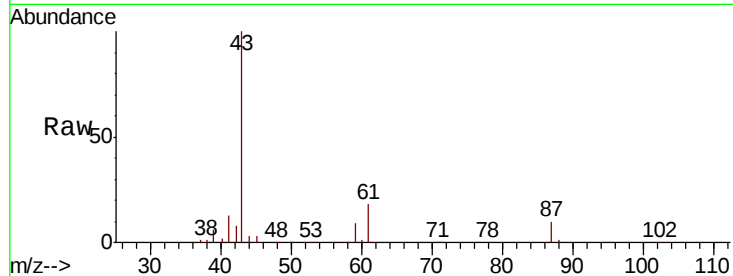
Tot Ion: 43 Resp: 283904

Ion Ratio Lower Upper

43 100

61 18.1 15.1 22.7

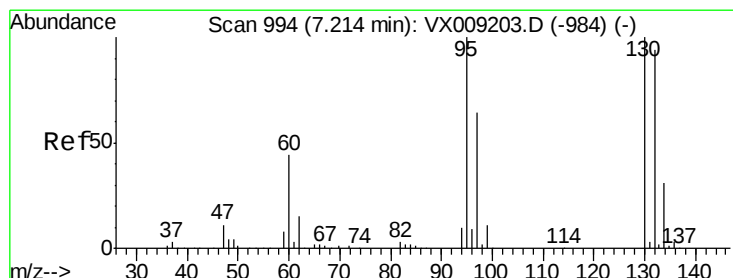
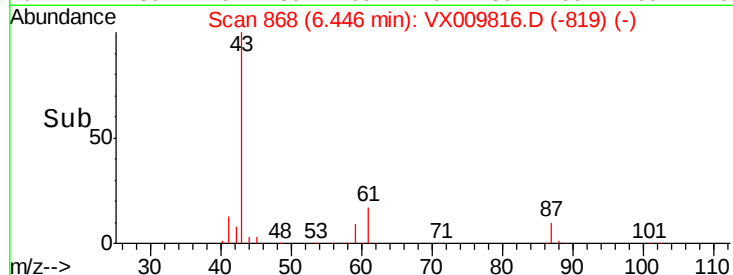
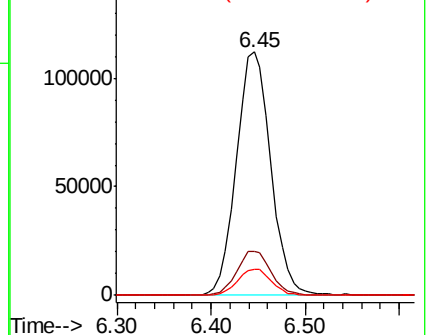
87 10.8 9.0 13.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#44

Trichloroethene

Concen: 43.854 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX009816.D

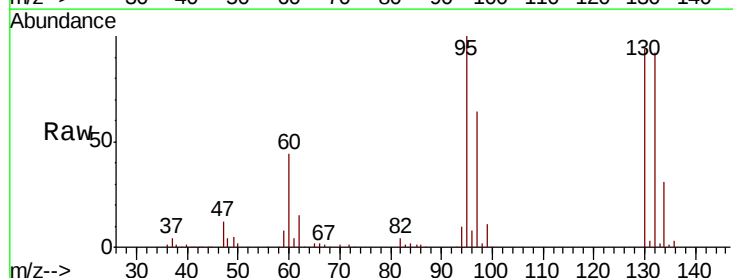
Acq: 22 May 2019 19:51

Tgt Ion:130 Resp: 87938

Ion Ratio Lower Upper

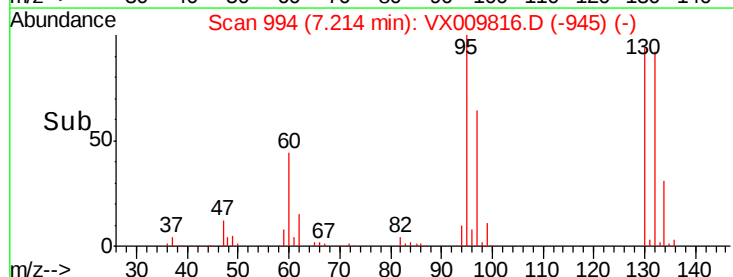
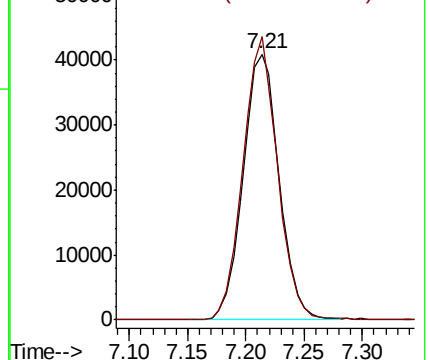
130 100

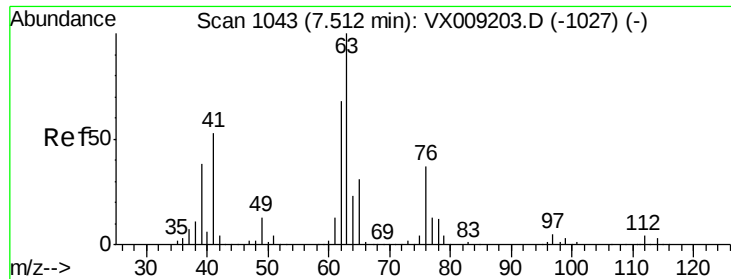
95 106.4 0.0 199.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

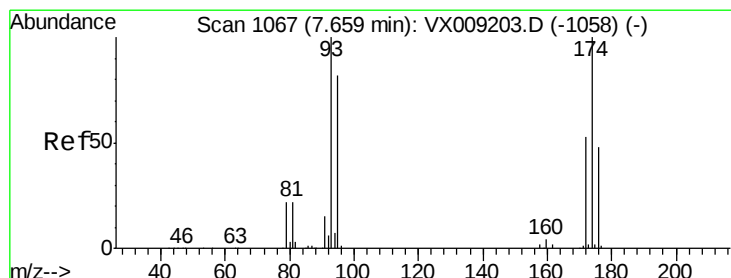
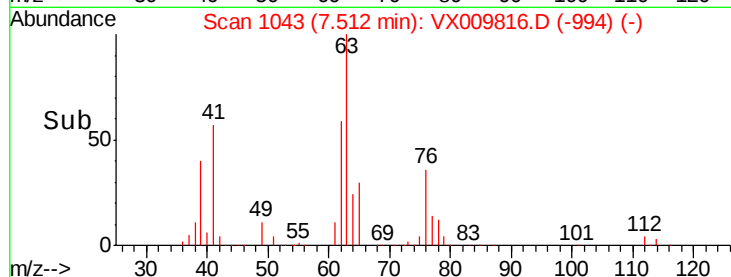
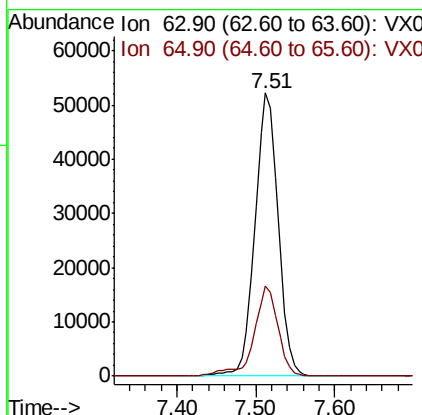
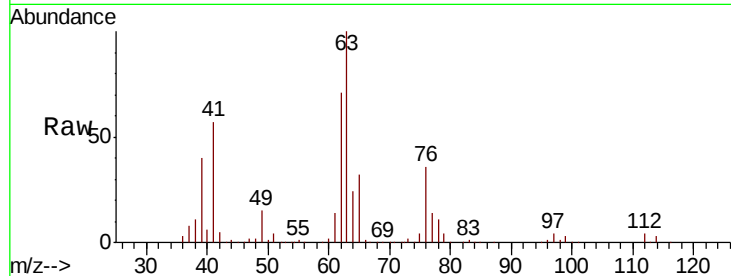




#45
 1,2-Dichloropropane
 Concen: 45.579 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. 0.00 min
 Lab File: VX009816.D
 Acq: 22 May 2019 19:51

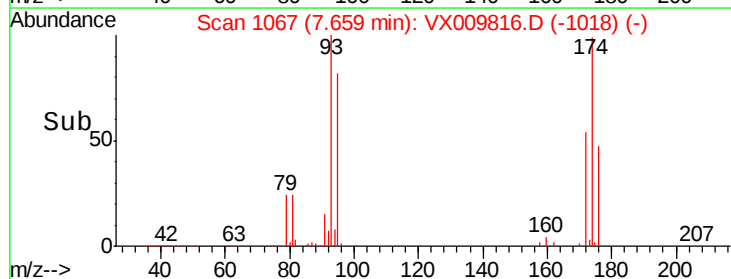
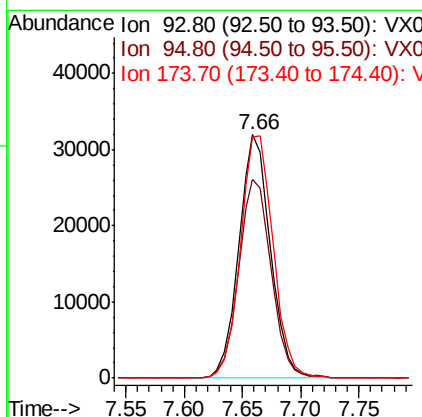
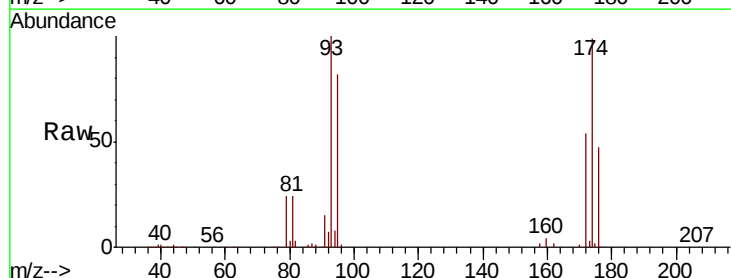
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

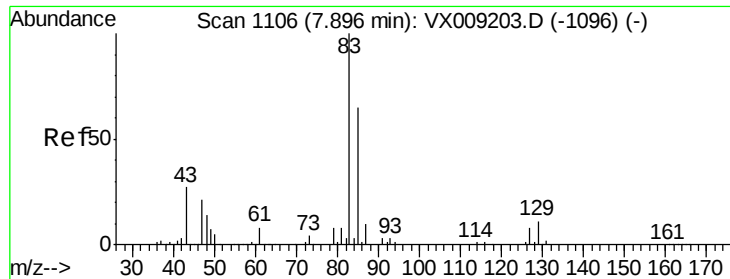
Tot Ion: 63 Resp: 107052
 Ion Ratio Lower Upper
 63 100
 65 31.7 25.0 37.6



#46
 Dibromomethane
 Concen: 44.352 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VX009816.D
 Acq: 22 May 2019 19:51

Tgt Ion: 93 Resp: 60492
 Ion Ratio Lower Upper
 93 100
 95 84.2 66.5 99.7
 174 103.5 82.1 123.1

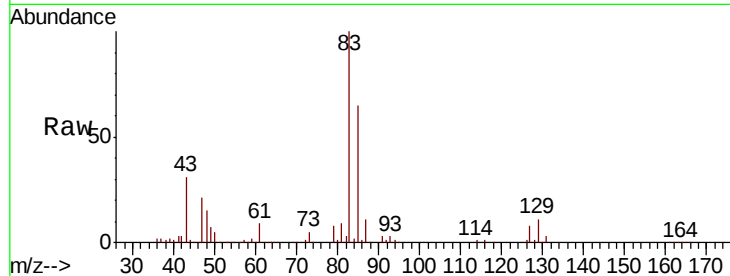




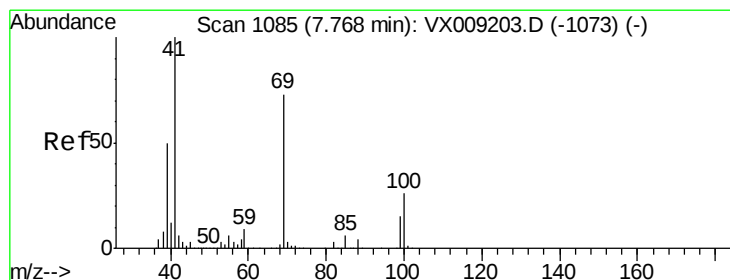
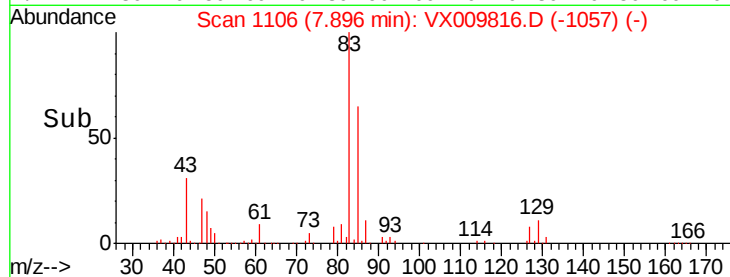
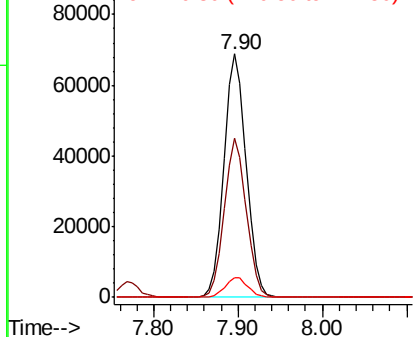
#47
 Bromodichloromethane
 Concen: 45.460 ug/l
 RT: 7.90 min Scan# 1106
 Delta R.T. 0.00 min
 Lab File: VX009816.D
 Acq: 22 May 2019 19:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 83 Resp: 123682
 Ion Ratio Lower Upper
 83 100
 85 65.2 52.4 78.6
 127 7.9 6.6 10.0

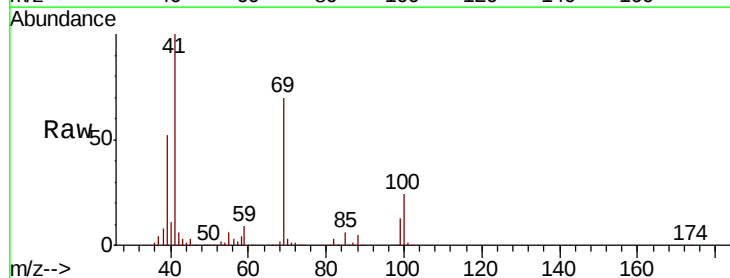


Abundance Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 126.80 (126.50 to 127.50): V

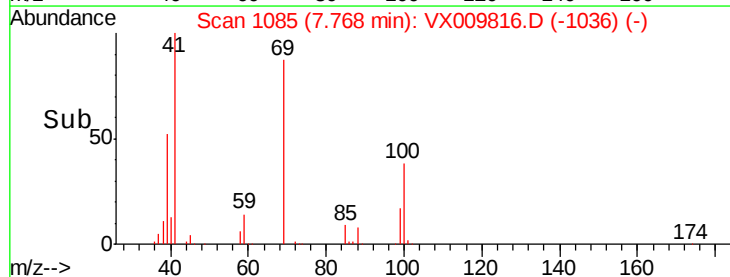
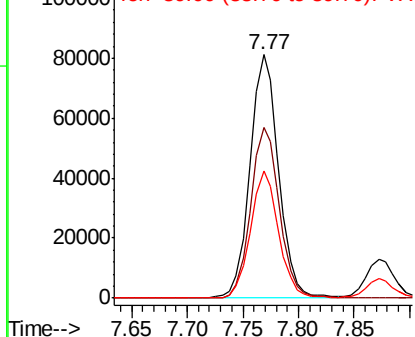


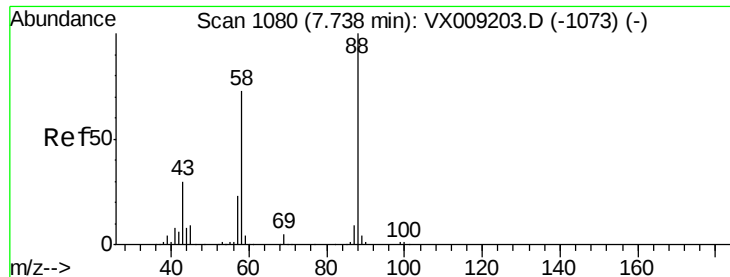
#48
 Methyl methacrylate
 Concen: 48.795 ug/l
 RT: 7.77 min Scan# 1085
 Delta R.T. 0.00 min
 Lab File: VX009816.D
 Acq: 22 May 2019 19:51

Tgt Ion: 41 Resp: 144602
 Ion Ratio Lower Upper
 41 100
 69 71.2 59.1 88.7
 39 51.6 40.4 60.6



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





#49

1,4-Dioxane

Concen: 879.627 ug/l

RT: 7.74 min Scan# 1080

Delta R.T. 0.00 min

Lab File: VX009816.D

Acq: 22 May 2019 19:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

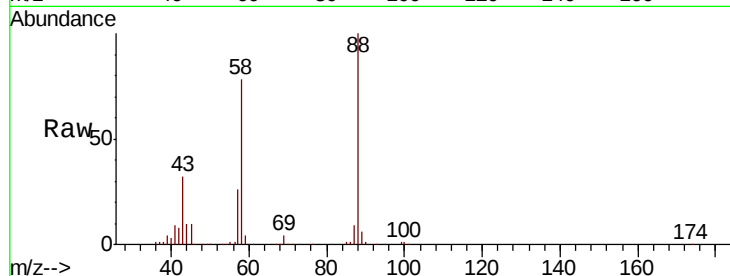
Tot Ion: 88 Resp: 52864

Ion Ratio Lower Upper

88 100

43 37.2 28.6 42.8

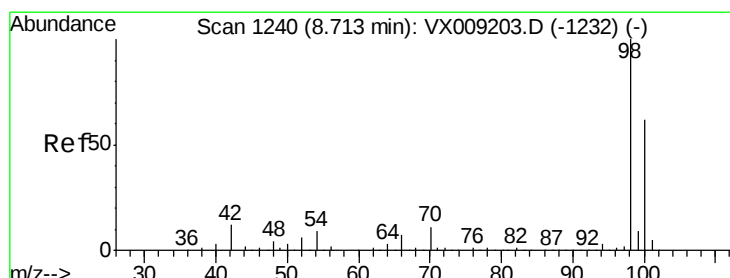
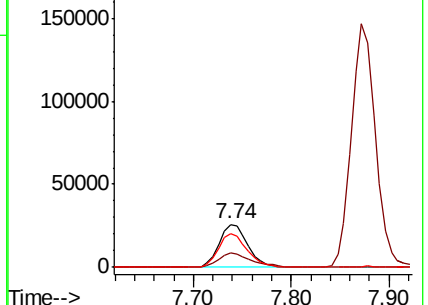
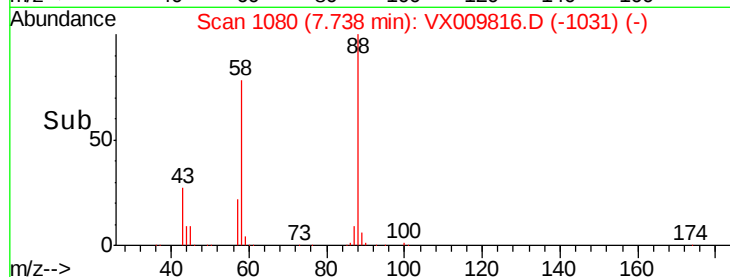
58 79.9 61.7 92.5



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



#50

Toluene-d8

Concen: 45.095 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX009816.D

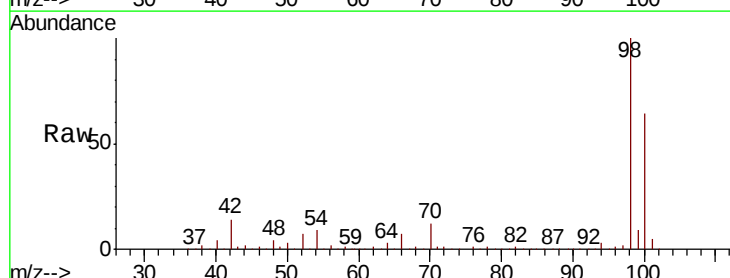
Acq: 22 May 2019 19:51

Tgt Ion: 98 Resp: 330080

Ion Ratio Lower Upper

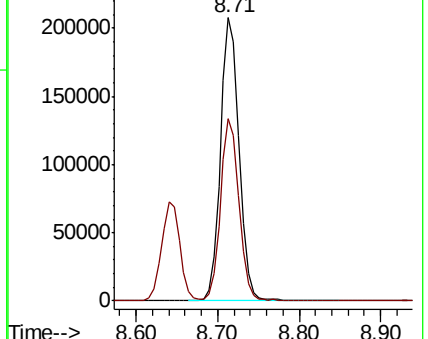
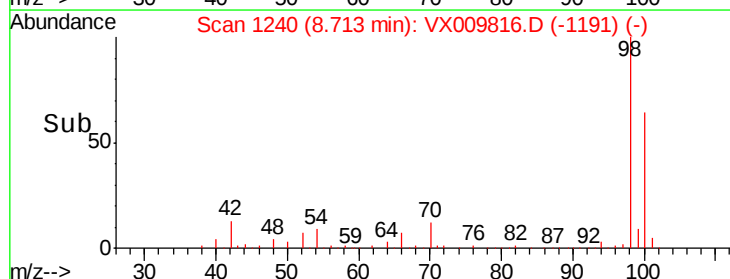
98 100

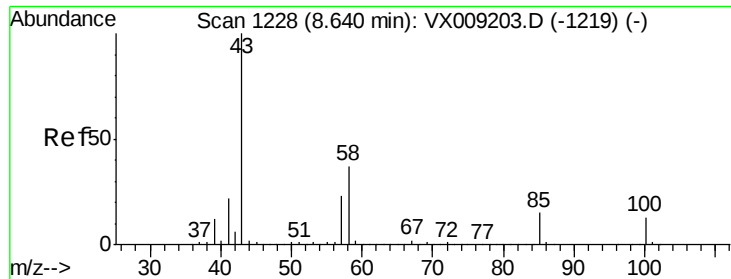
100 63.9 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 242.584 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX009816.D

Acq: 22 May 2019 19:51

Instrument :

MSVOA_X

ClientSampleId :

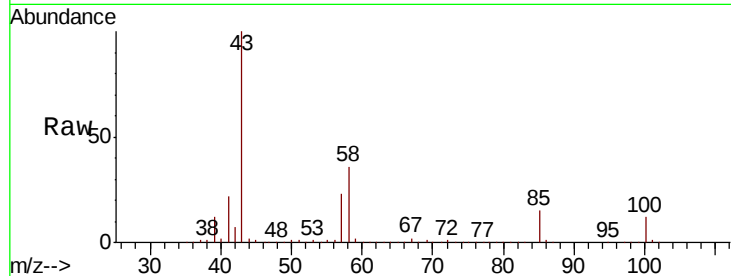
VSTDCCC050EC

Tot Ion: 43 Resp: 947095

Ion Ratio Lower Upper

43 100

58 36.1 29.5 44.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.64

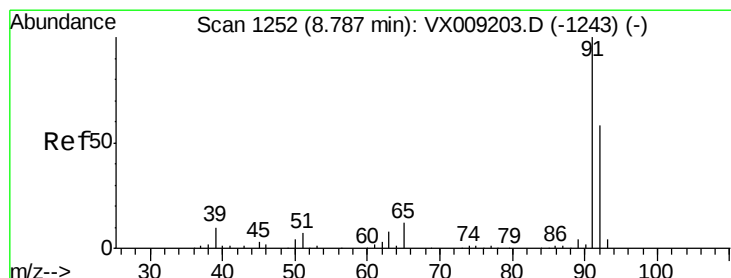
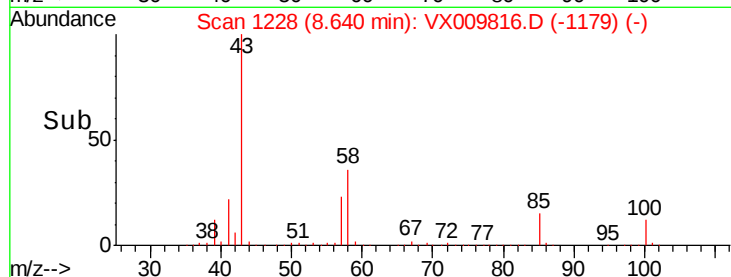
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 45.812 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX009816.D

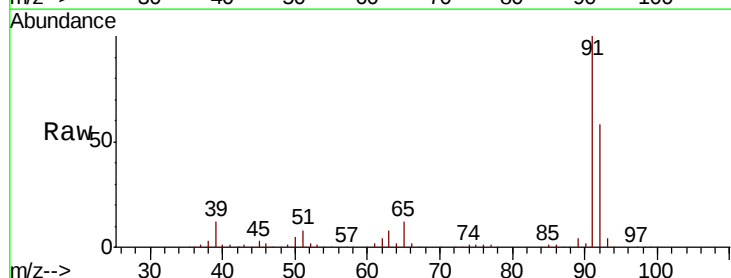
Acq: 22 May 2019 19:51

Tgt Ion: 92 Resp: 230988

Ion Ratio Lower Upper

92 100

91 173.7 138.8 208.2



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.78

300000

250000

200000

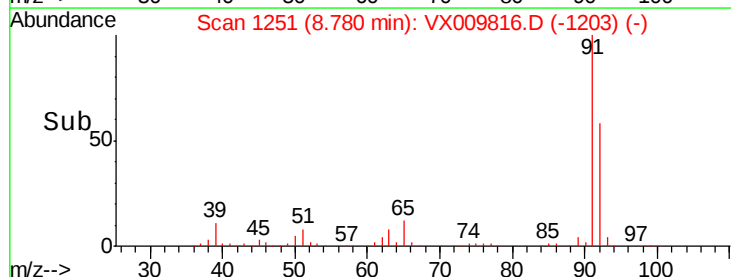
150000

100000

50000

0

Time-->

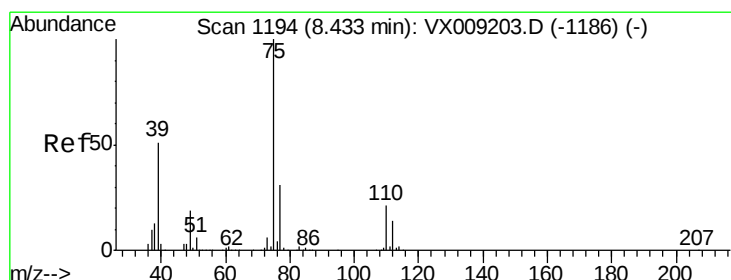
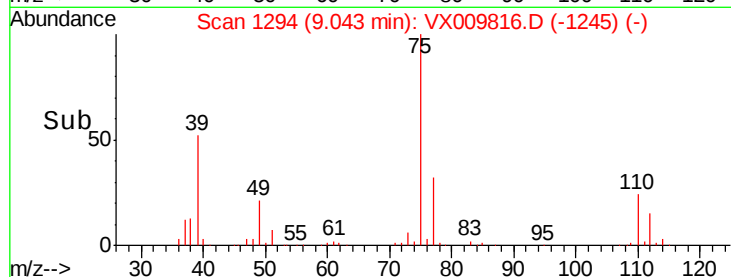
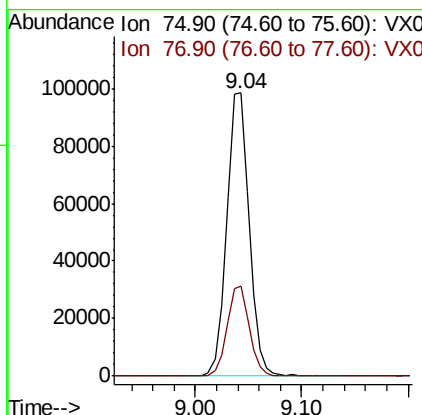
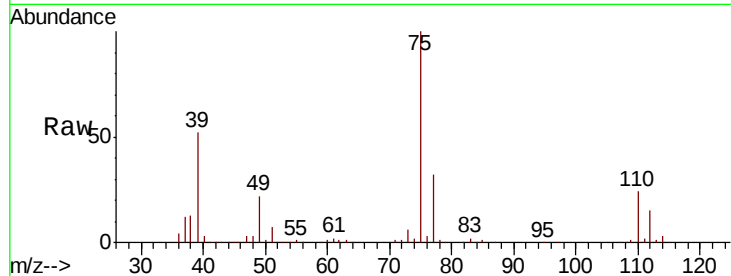




#53
t-1,3-Dichloropropene
Concen: 47.435 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX009816.D
Acq: 22 May 2019 19:51

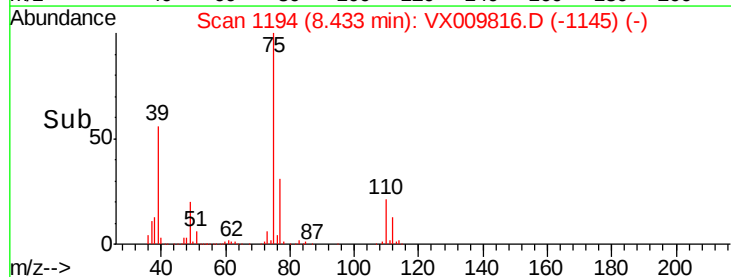
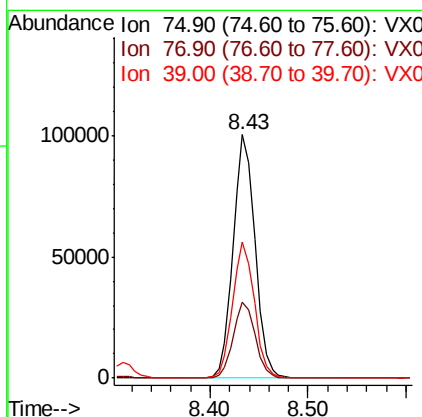
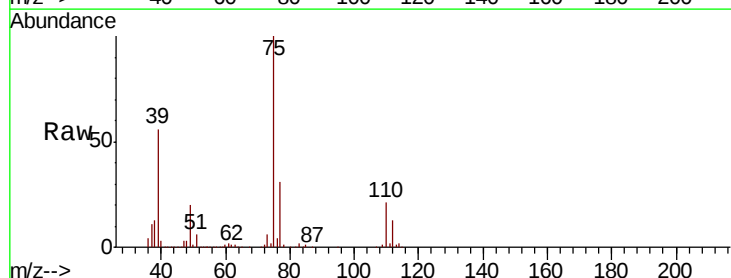
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

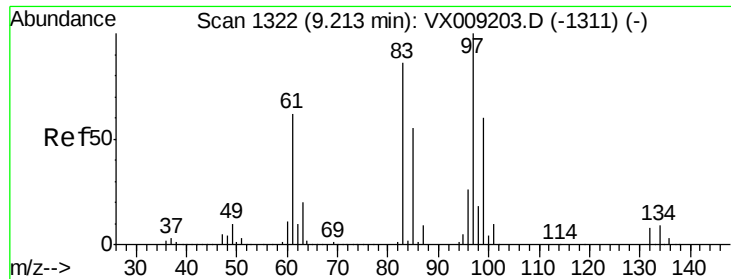
Tot Ion: 75 Resp: 145703
Ion Ratio Lower Upper
75 100
77 31.7 25.0 37.6



#54
cis-1,3-Dichloropropene
Concen: 46.120 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX009816.D
Acq: 22 May 2019 19:51

Tgt Ion: 75 Resp: 156803
Ion Ratio Lower Upper
75 100
77 31.3 24.6 36.8
39 55.9 40.6 60.8

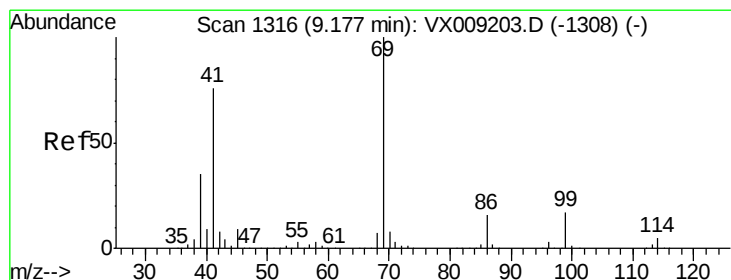
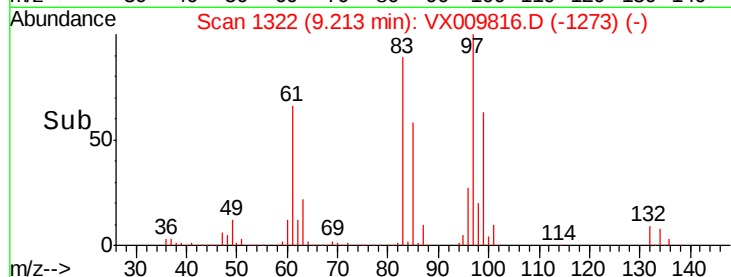
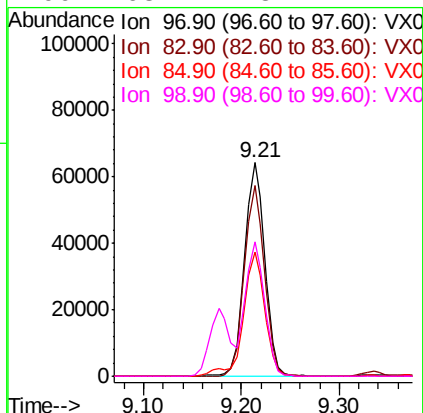
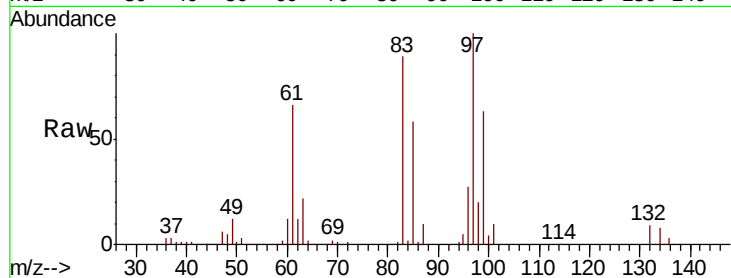




#55
 1,1,2-Trichloroethane
 Concen: 45.222 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX009816.D
 Acq: 22 May 2019 19:51

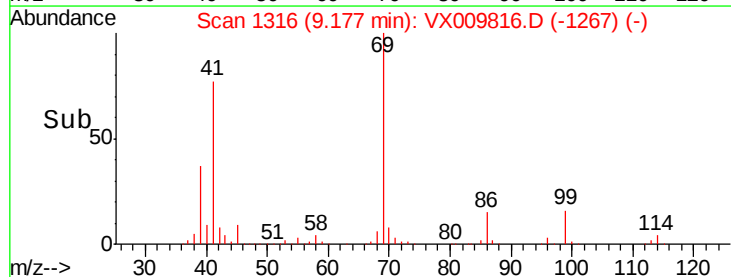
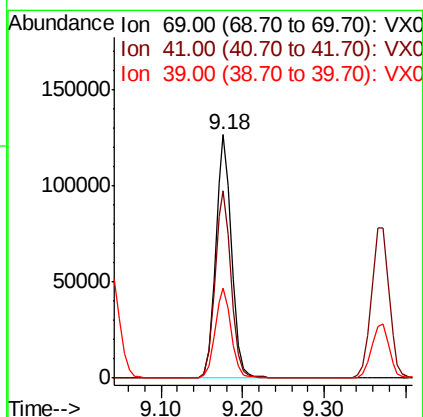
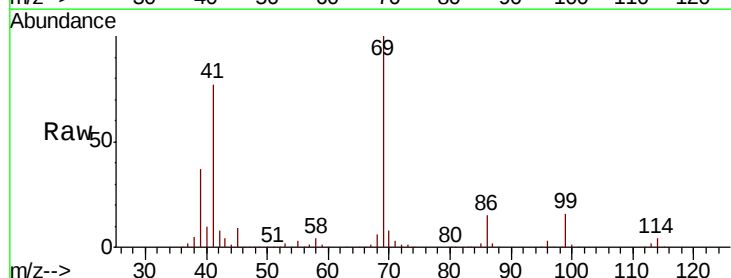
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

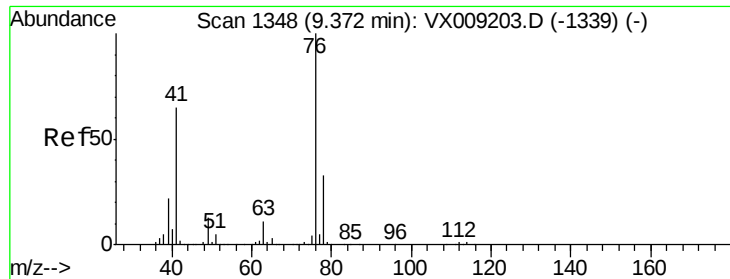
Tot Ion:	97	Resp:	93023
Ion	Ratio	Lower	Upper
97	100		
83	89.4	68.9	103.3
85	57.9	43.8	65.6
99	63.2	48.2	72.2



#56
 Ethyl methacrylate
 Concen: 47.424 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX009816.D
 Acq: 22 May 2019 19:51

Tgt Ion:	69	Resp:	174137
Ion	Ratio	Lower	Upper
69	100		
41	78.1	60.6	90.8
39	37.5	28.2	42.4

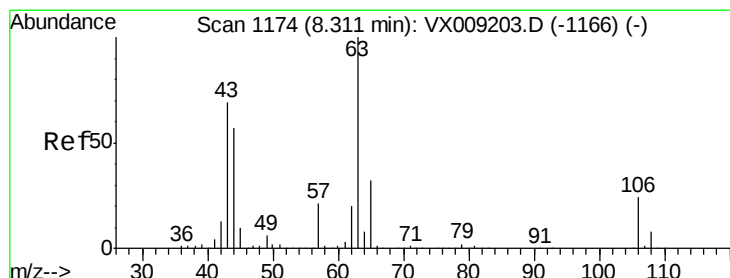
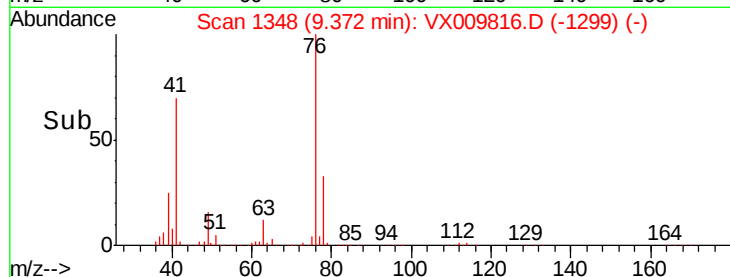
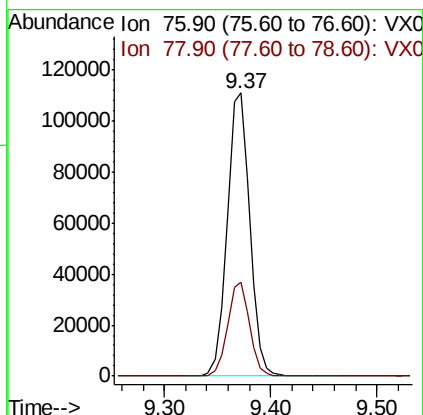
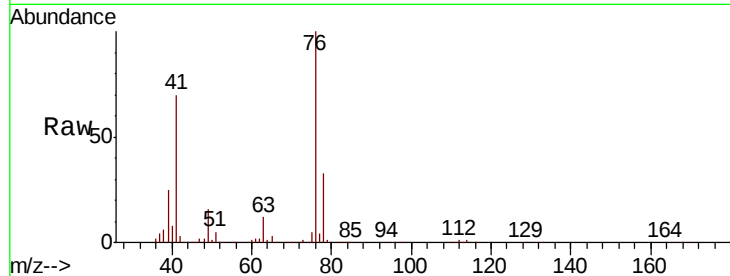




#57
 1,3-Dichloropropane
 Concen: 45.481 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VX009816.D
 Acq: 22 May 2019 19:51

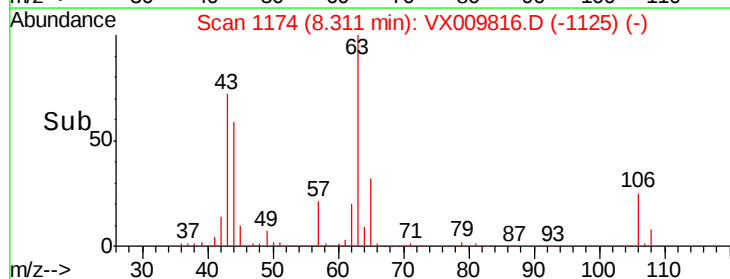
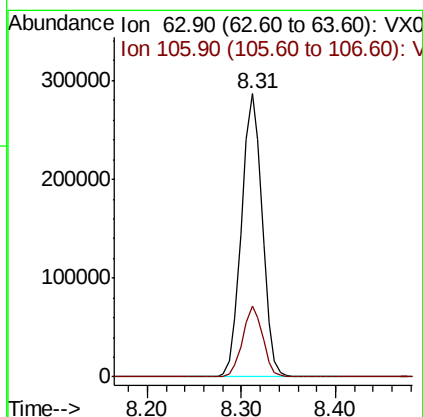
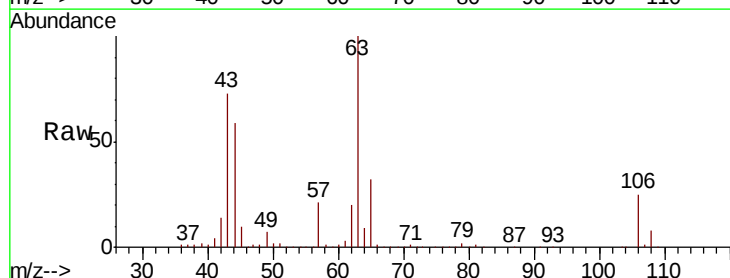
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

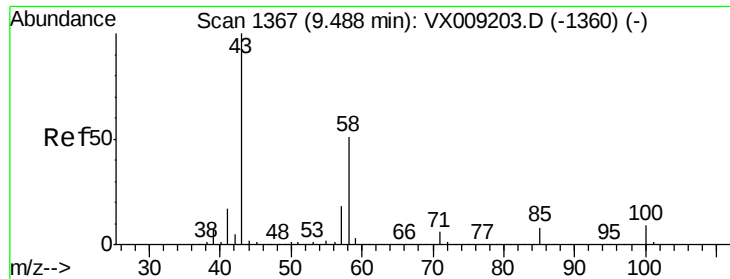
Tot Ion: 76 Resp: 164635
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.5 38.3



#58
 2-Chloroethyl Vinyl ether
 Concen: 226.623 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VX009816.D
 Acq: 22 May 2019 19:51

Tgt Ion: 63 Resp: 441450
 Ion Ratio Lower Upper
 63 100
 106 24.2 19.7 29.5

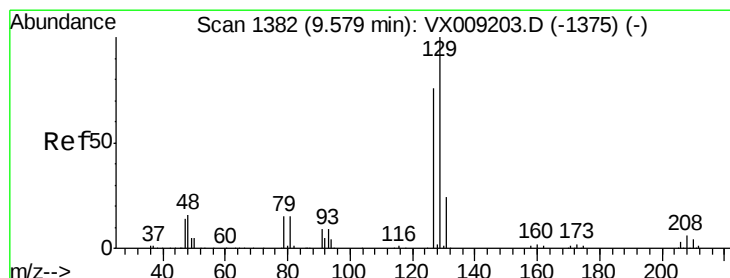
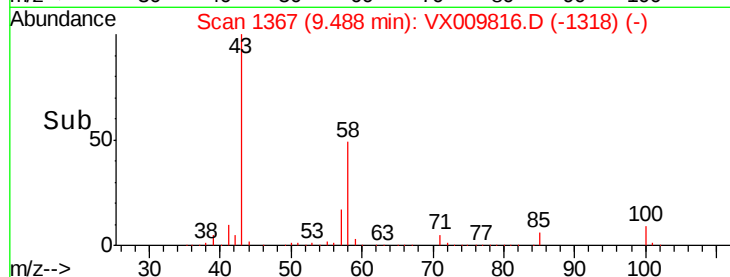
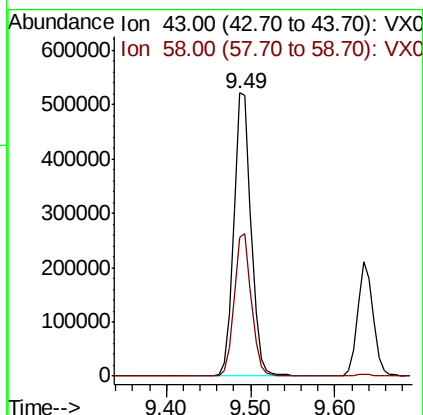
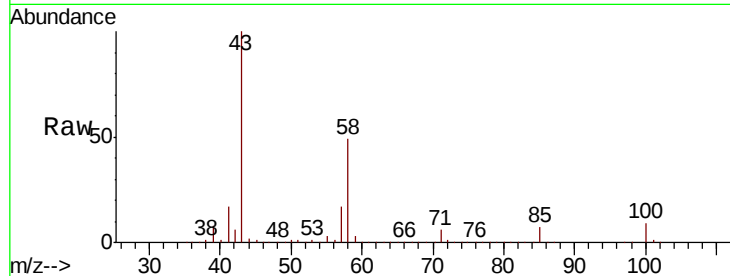




#59
2-Hexanone
Concen: 235.745 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX009816.D
Acq: 22 May 2019 19:51

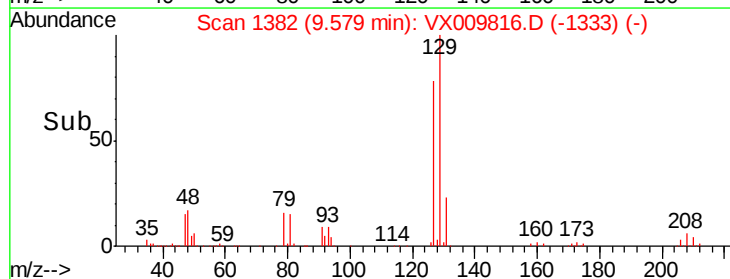
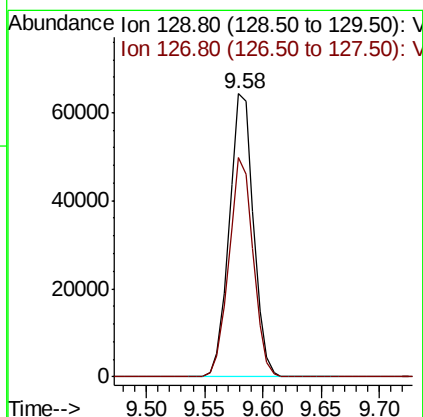
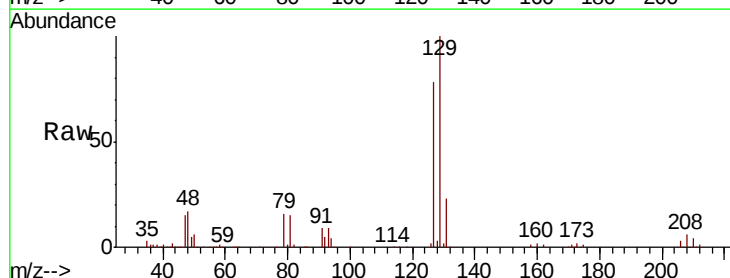
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

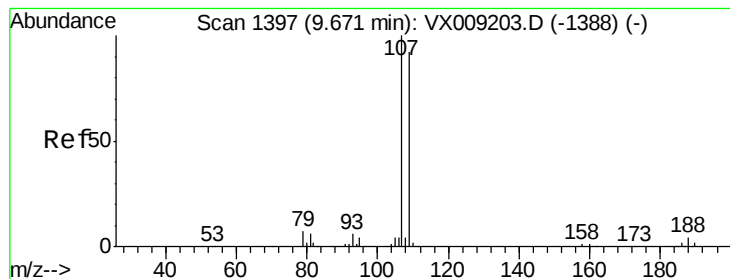
Tot Ion: 43 Resp: 722867
Ion Ratio Lower Upper
43 100
58 50.0 25.9 77.7



#60
Dibromochloromethane
Concen: 46.438 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX009816.D
Acq: 22 May 2019 19:51

Tgt Ion: 129 Resp: 93297
Ion Ratio Lower Upper
129 100
127 77.3 38.4 115.1





#61

1,2-Dibromoethane

Concen: 45.770 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX009816.D

Acq: 22 May 2019 19:51

Instrument :

MSVOA_X

ClientSampleId :

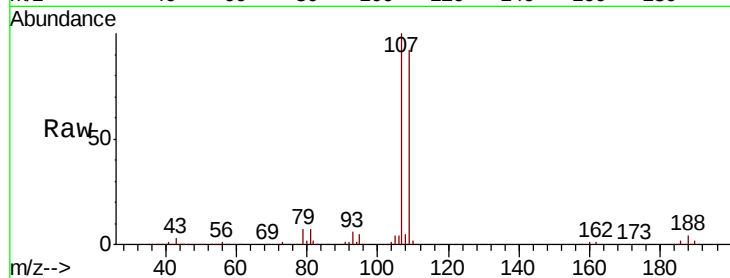
VSTDCCC050EC

Tot Ion:107 Resp: 95038

Ion Ratio Lower Upper

107 100

109 94.4 75.2 112.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

80000

60000

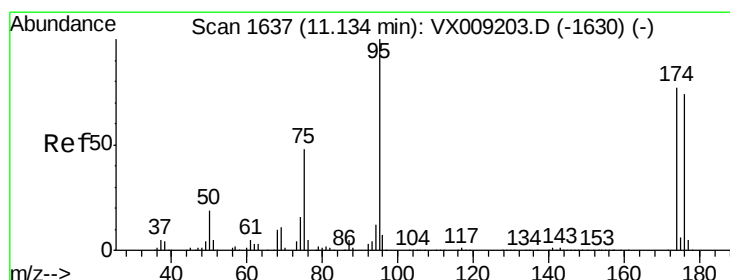
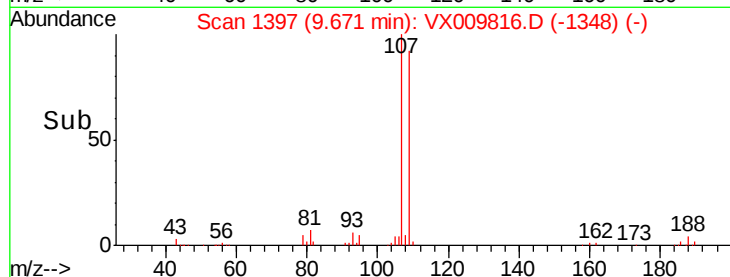
40000

20000

0

9.60 9.65 9.70 9.75 9.80

Time-->



#62

4-Bromofluorobenzene

Concen: 44.739 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009816.D

Acq: 22 May 2019 19:51

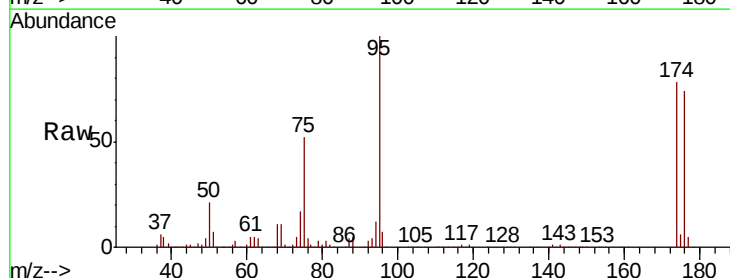
Tgt Ion: 95 Resp: 118991

Ion Ratio Lower Upper

95 100

174 81.4 0.0 161.6

176 78.9 0.0 159.2



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

120000

100000

80000

60000

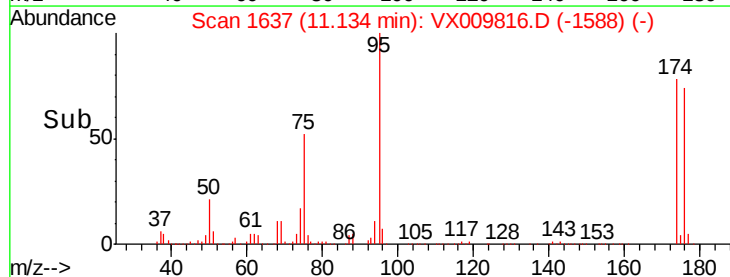
40000

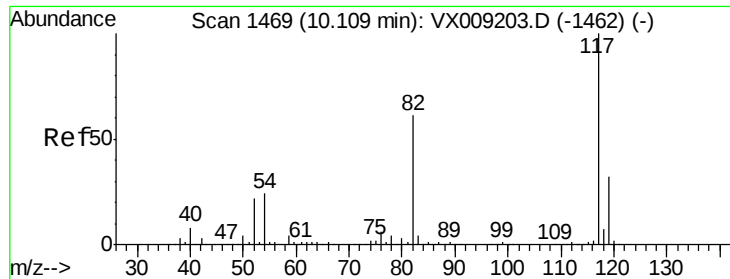
20000

0

11.05 11.10 11.15 11.20

Time-->

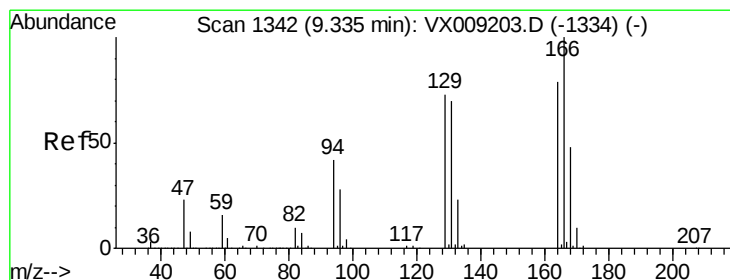
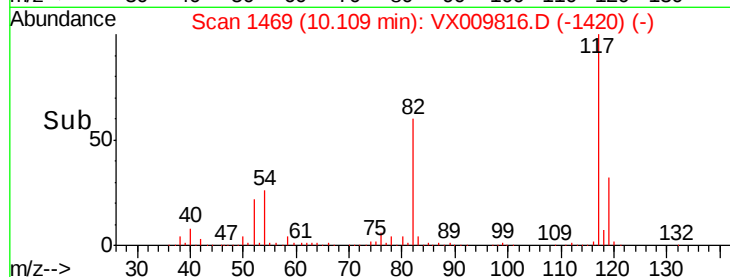
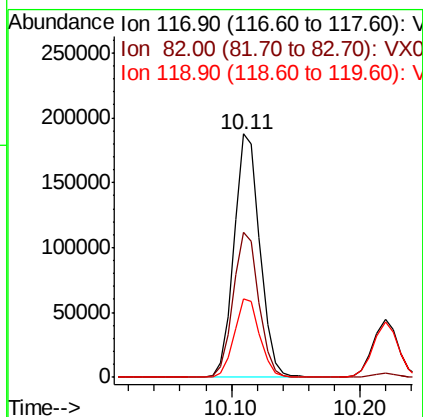
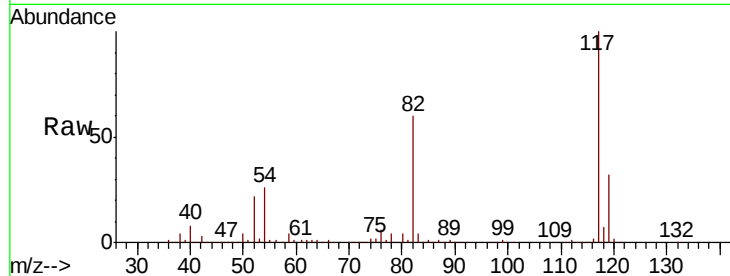




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009816.D
Acq: 22 May 2019 19:51

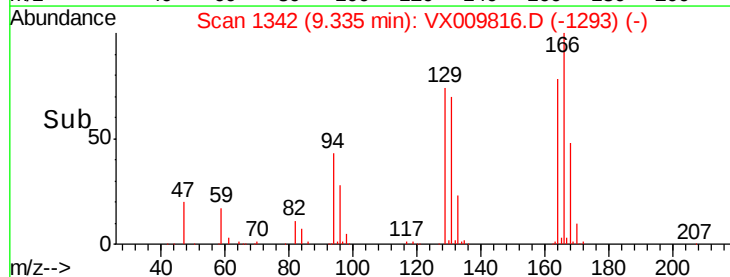
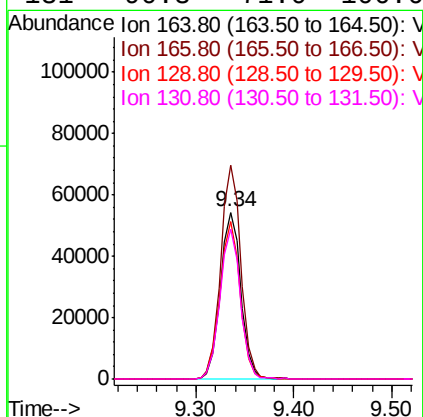
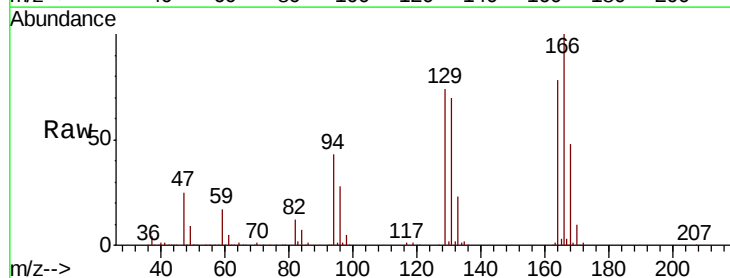
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

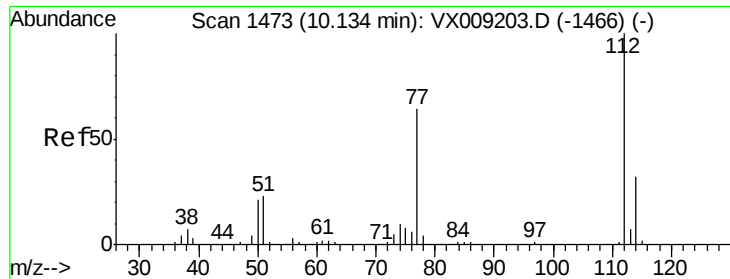
Tot Ion:117 Resp: 261740
Ion Ratio Lower Upper
117 100
82 59.6 48.8 73.2
119 32.1 25.8 38.6



#64
Tetrachloroethene
Concen: 43.838 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX009816.D
Acq: 22 May 2019 19:51

Tgt Ion:164 Resp: 78707
Ion Ratio Lower Upper
164 100
166 128.3 101.2 151.8
129 94.3 74.3 111.5
131 90.3 71.0 106.6

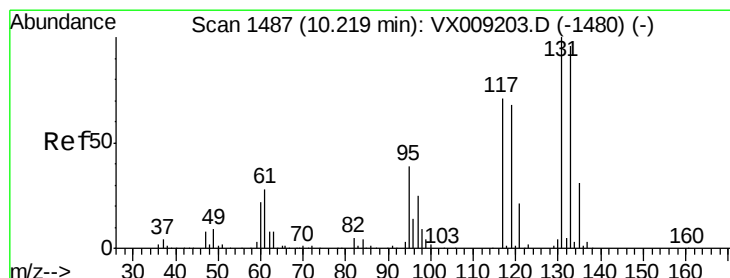
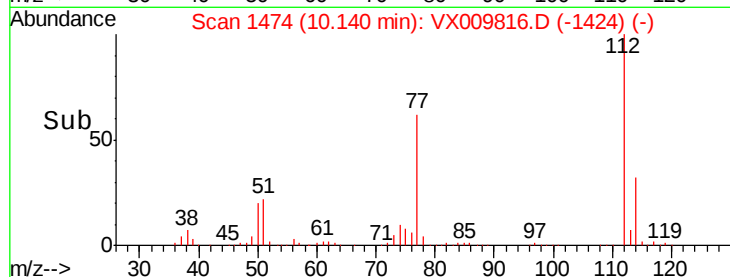
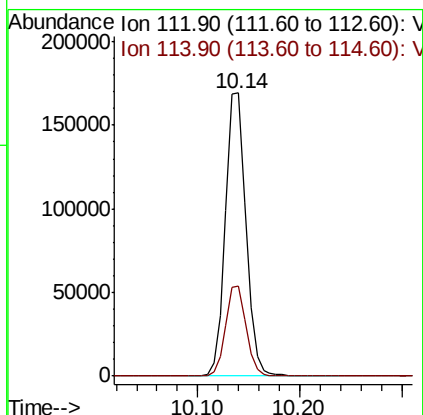
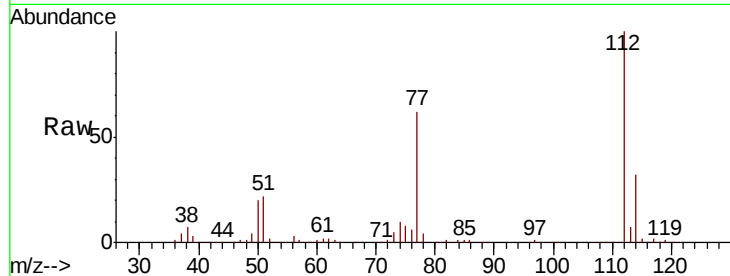




#65
Chlorobenzene
Concen: 45.259 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VX009816.D
Acq: 22 May 2019 19:51

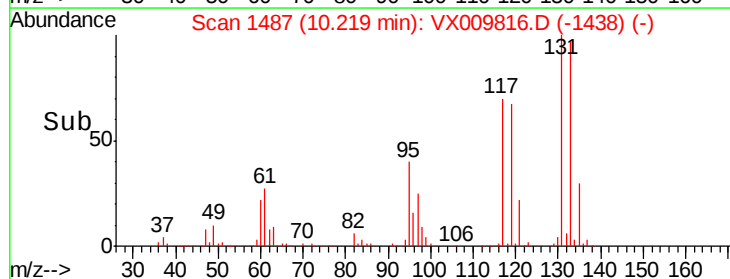
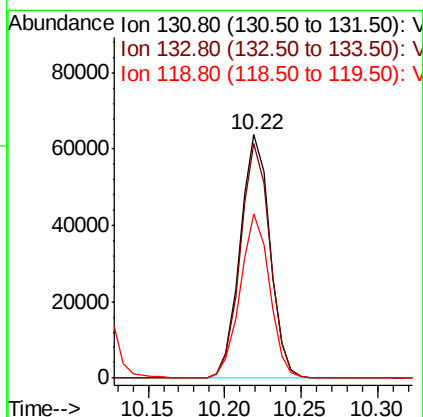
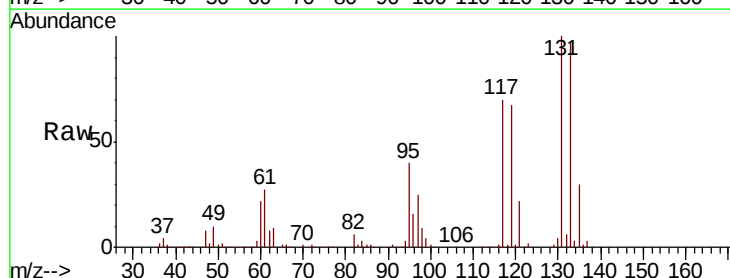
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

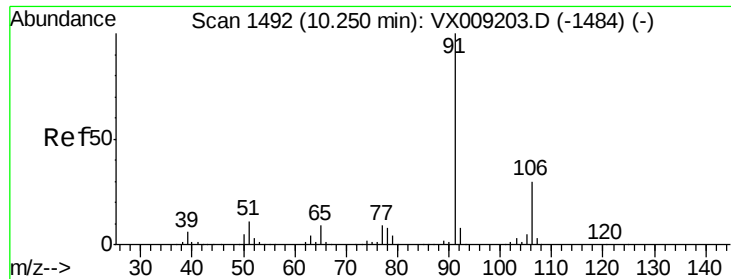
Tot Ion:112 Resp: 236974
Ion Ratio Lower Upper
112 100
114 32.0 25.5 38.3



#66
1,1,1,2-Tetrachloroethane
Concen: 45.370 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX009816.D
Acq: 22 May 2019 19:51

Tgt Ion:131 Resp: 86125
Ion Ratio Lower Upper
131 100
133 96.0 47.7 143.1
119 66.9 33.5 100.4





#67

Ethyl Benzene

Concen: 45.766 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX009816.D

Acq: 22 May 2019 19:51

Instrument :

MSVOA_X

ClientSampleId :

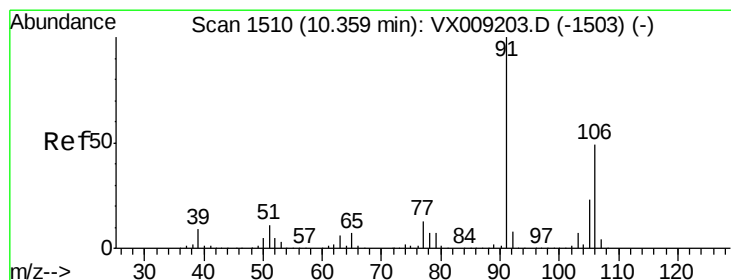
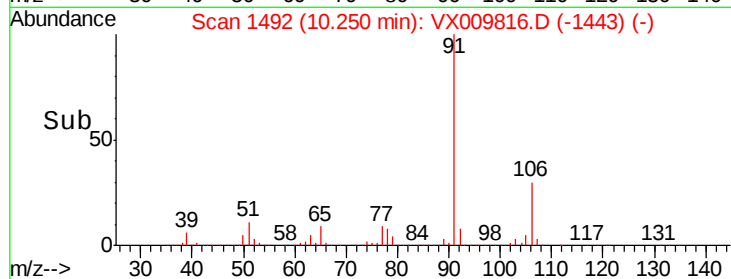
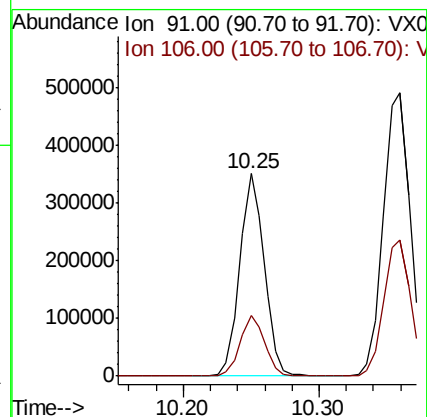
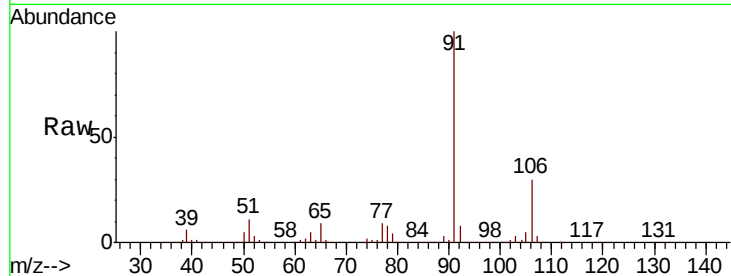
VSTDCCC050EC

Tot Ion: 91 Resp: 441008

Ion Ratio Lower Upper

91 100

106 29.9 24.0 36.0



#68

m/p-Xylenes

Concen: 91.703 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX009816.D

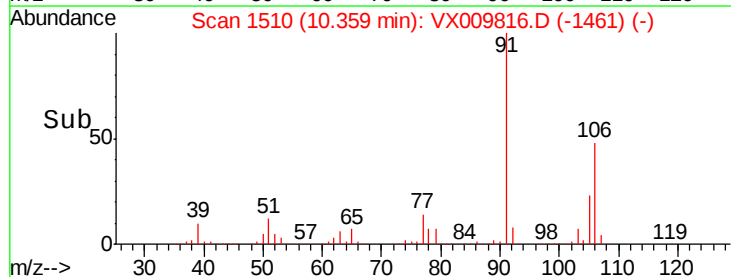
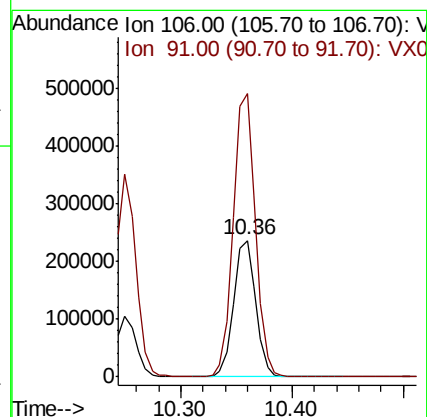
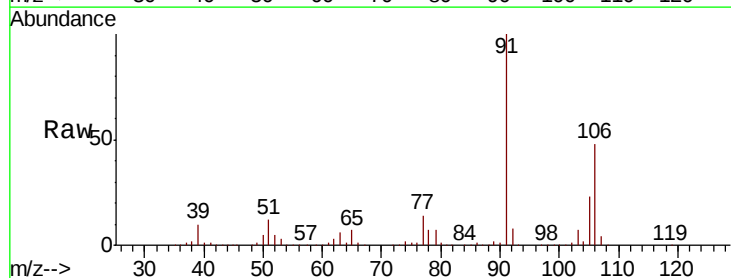
Acq: 22 May 2019 19:51

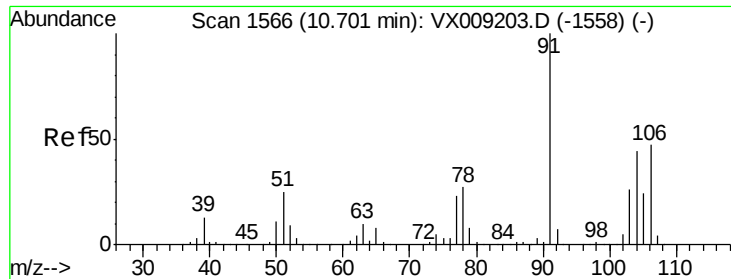
Tgt Ion: 106 Resp: 322921

Ion Ratio Lower Upper

106 100

91 209.2 164.0 246.0

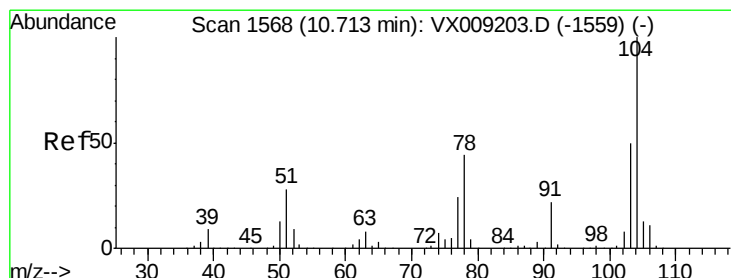
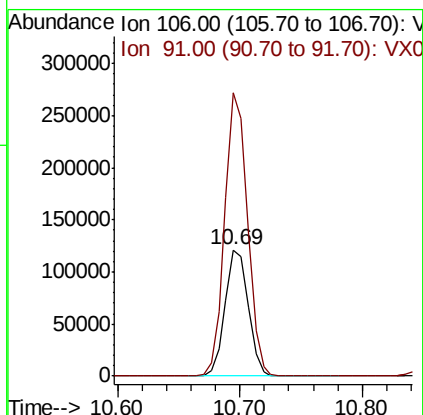
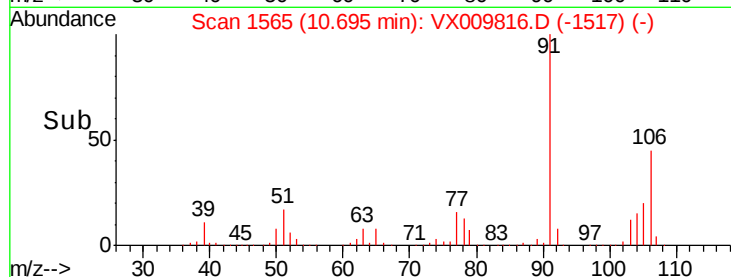
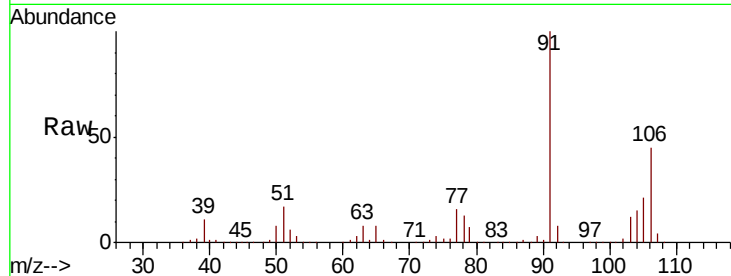




#69
o-Xylene
Concen: 45.848 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX009816.D
Acq: 22 May 2019 19:51

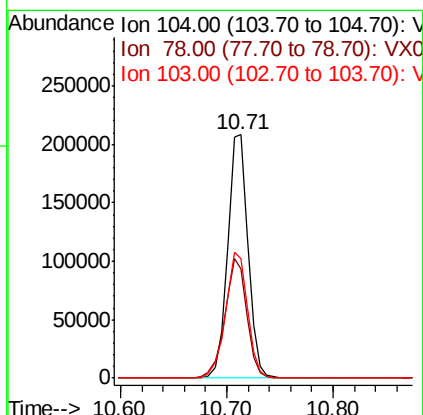
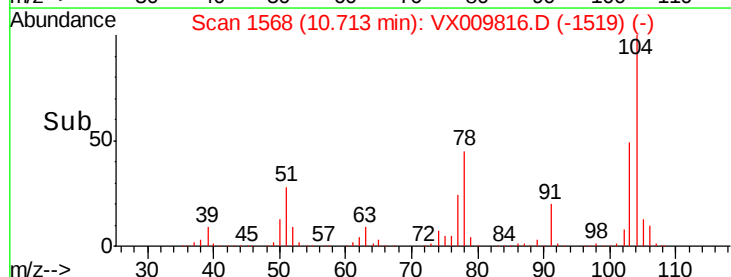
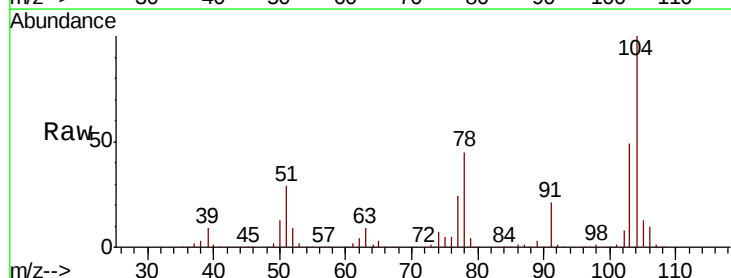
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 159293
Ion Ratio Lower Upper
106 100
91 220.1 109.5 328.4



#70
Styrene
Concen: 46.379 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX009816.D
Acq: 22 May 2019 19:51

Tgt Ion:104 Resp: 280071
Ion Ratio Lower Upper
104 100
78 52.2 41.0 61.4
103 55.4 43.8 65.6





#71

Bromoform

Concen: 46.593 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX009816.D

Acq: 22 May 2019 19:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

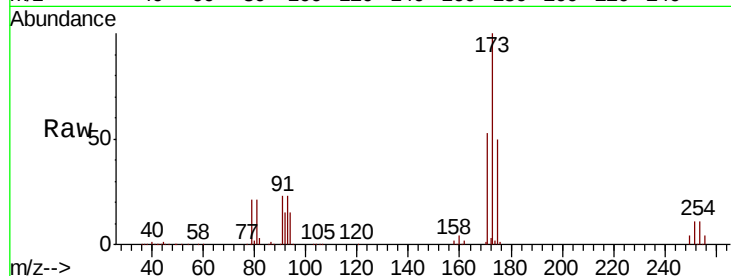
Tot Ion:173 Resp: 71875

Ion Ratio Lower Upper

173 100

175 48.8 24.5 73.5

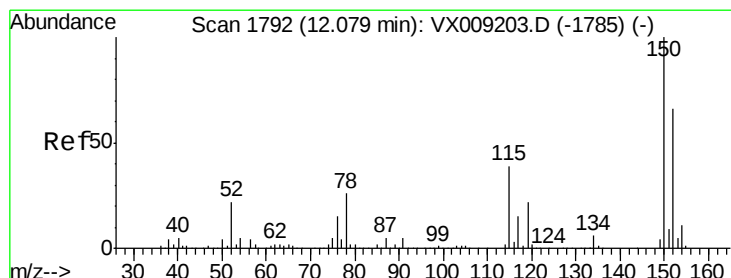
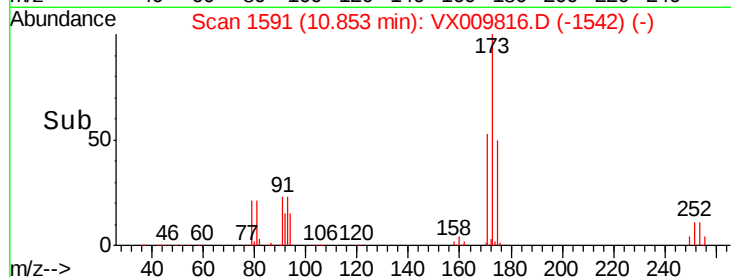
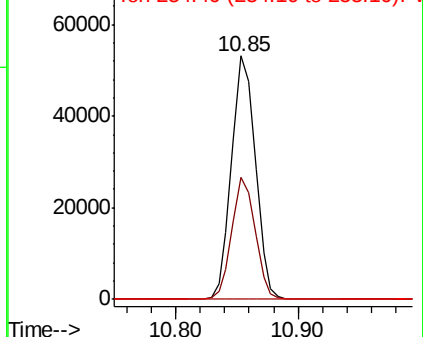
254 0.2 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX009816.D

Acq: 22 May 2019 19:51

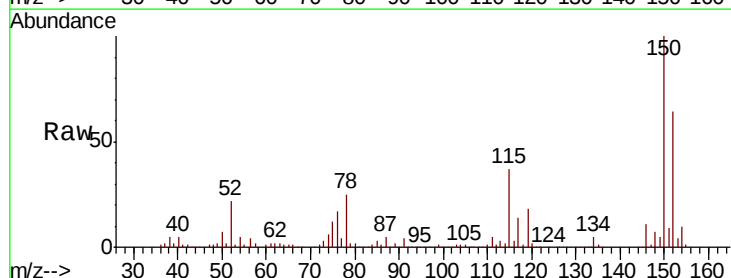
Tgt Ion:152 Resp: 128625

Ion Ratio Lower Upper

152 100

115 79.7 41.2 123.6

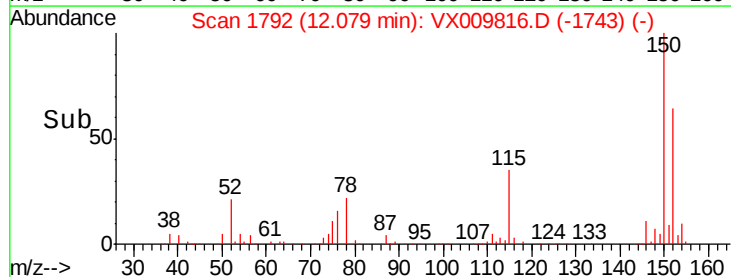
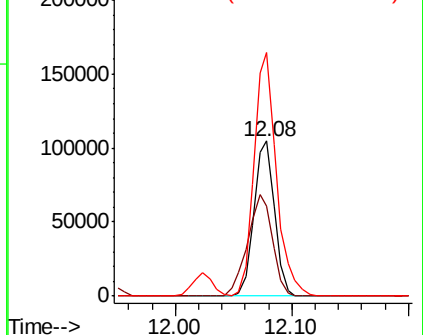
150 170.9 0.0 346.4

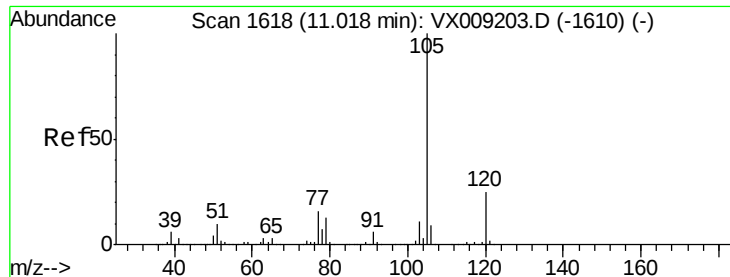


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 45.009 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX009816.D

Acq: 22 May 2019 19:51

Instrument :

MSVOA_X

ClientSampleId :

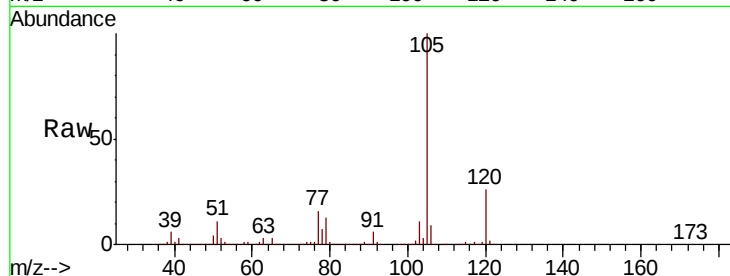
VSTDCCC050EC

Tot Ion:105 Resp: 420994

Ion Ratio Lower Upper

105 100

120 25.8 12.8 38.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.02

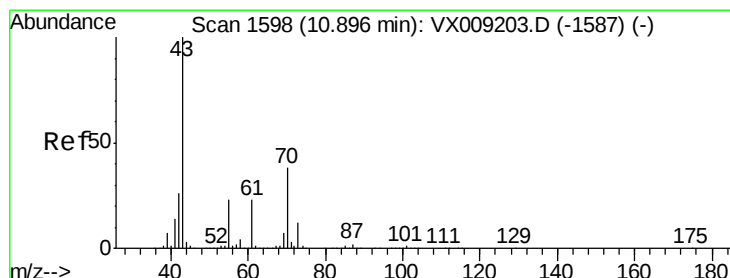
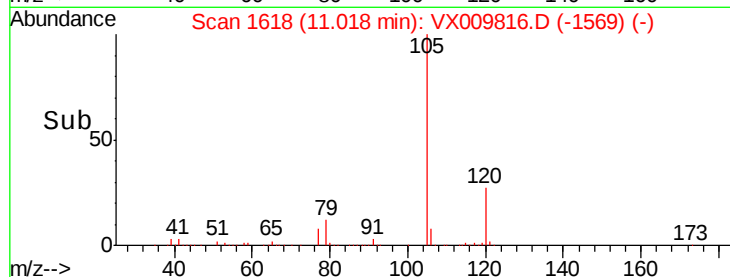
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 47.688 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX009816.D

Acq: 22 May 2019 19:51

Tgt Ion: 43 Resp: 260053

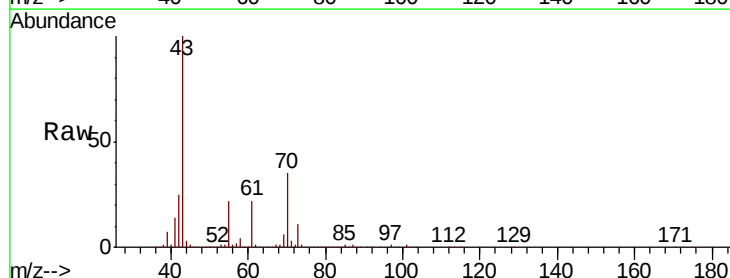
Ion Ratio Lower Upper

43 100

70 35.5 30.0 45.0

55 22.1 17.9 26.9

61 22.1 18.4 27.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

10.90

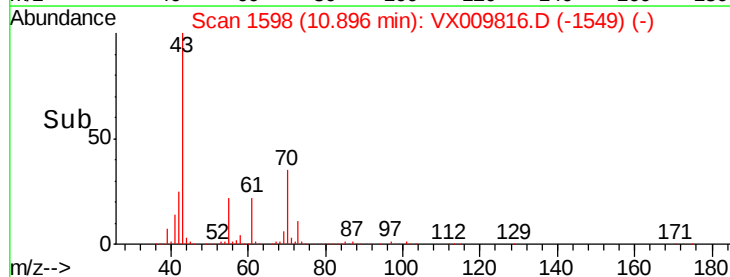
300000

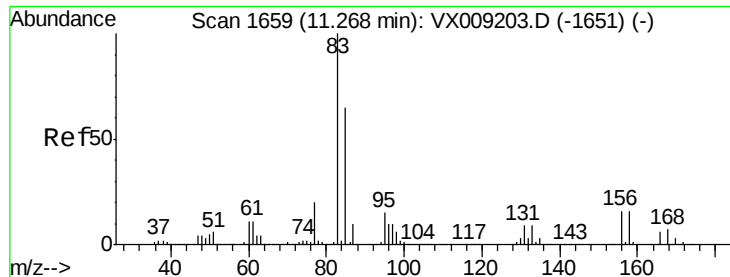
200000

100000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 43.996 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX009816.D

Acq: 22 May 2019 19:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

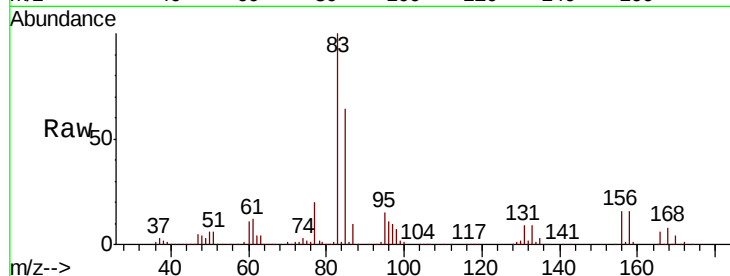
Tot Ion: 83 Resp: 153408

Ion Ratio Lower Upper

83 100

131 9.2 4.6 13.8

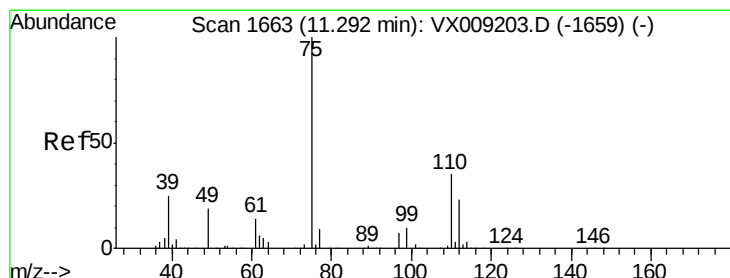
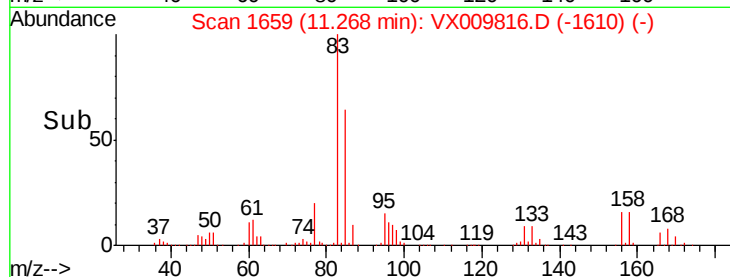
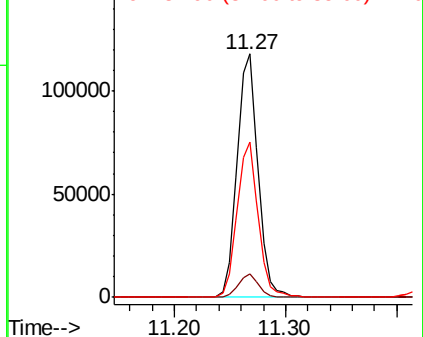
85 64.2 32.0 96.2



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 61.864 ug/l

RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

Lab File: VX009816.D

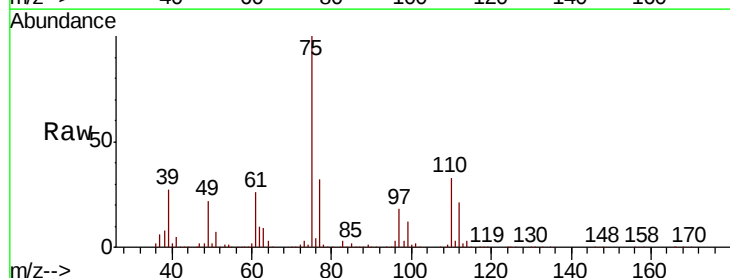
Acq: 22 May 2019 19:51

Tgt Ion: 75 Resp: 184580

Ion Ratio Lower Upper

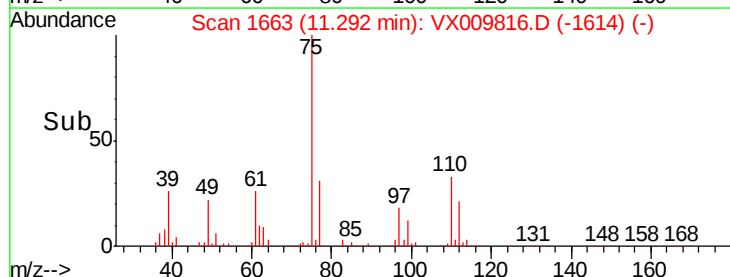
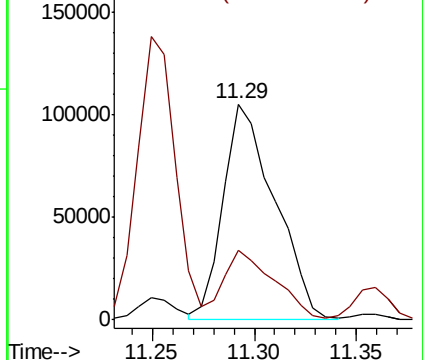
75 100

77 31.8 22.1 66.1



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 44.797 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX009816.D

Acq: 22 May 2019 19:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

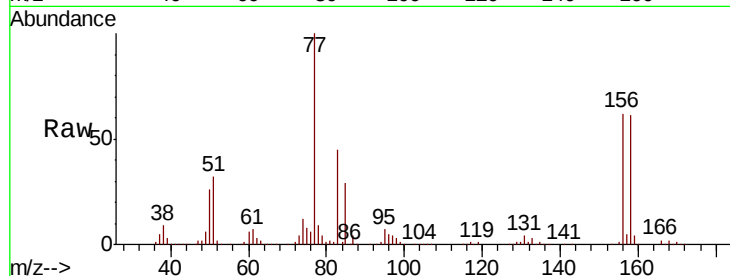
Tot Ion:156 Resp: 104000

Ion Ratio Lower Upper

156 100

77 172.8 84.8 254.3

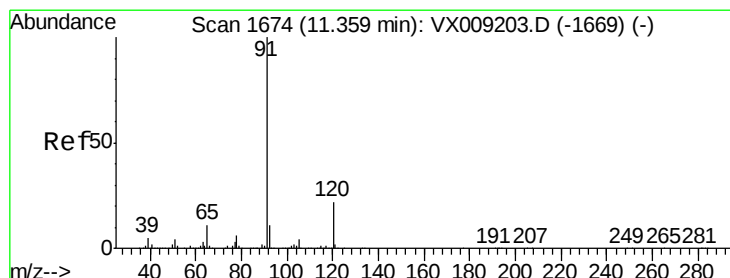
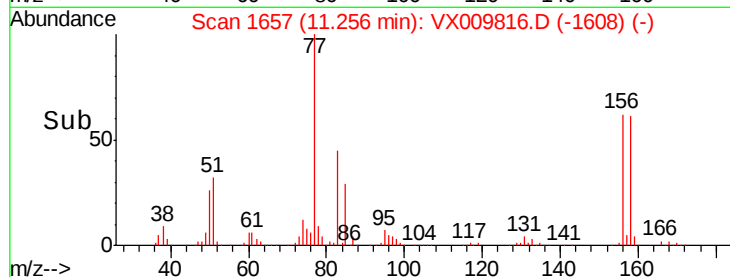
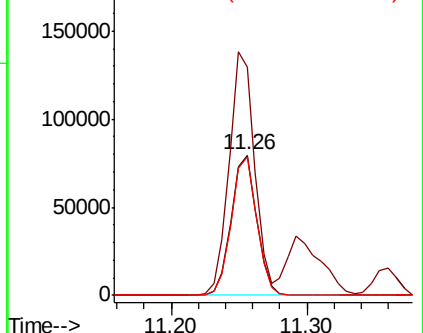
158 98.2 49.1 147.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 45.896 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX009816.D

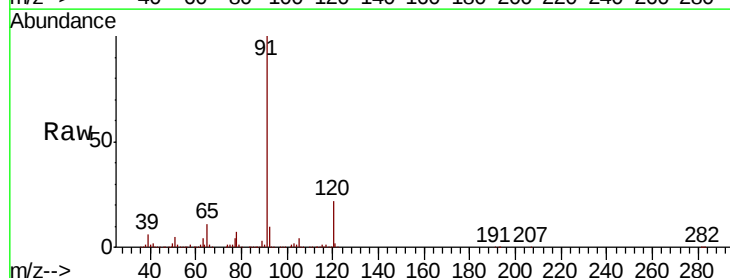
Acq: 22 May 2019 19:51

Tgt Ion: 91 Resp: 490271

Ion Ratio Lower Upper

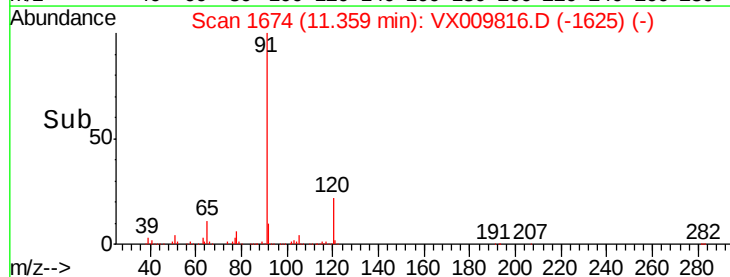
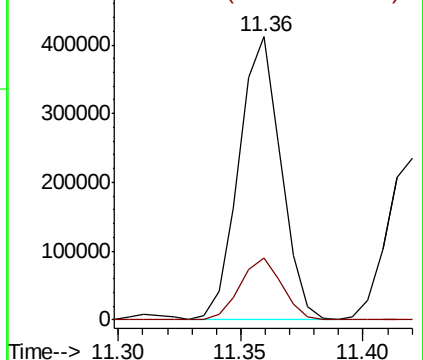
91 100

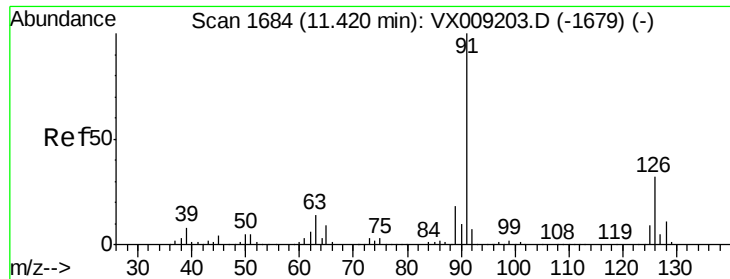
120 21.9 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

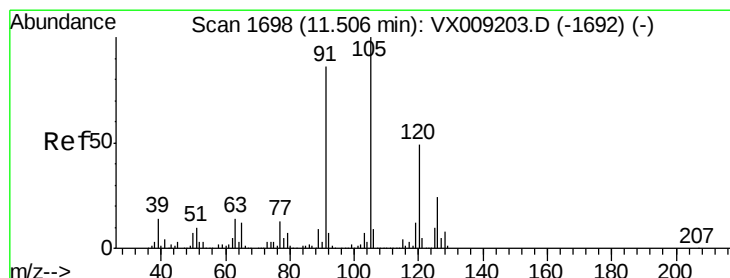
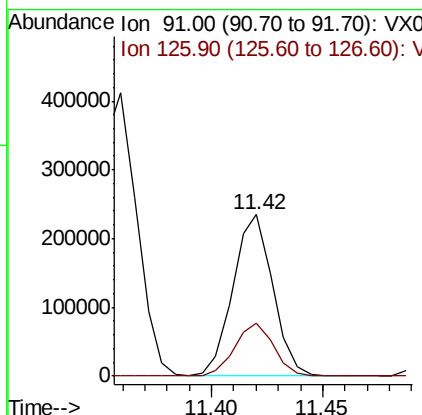
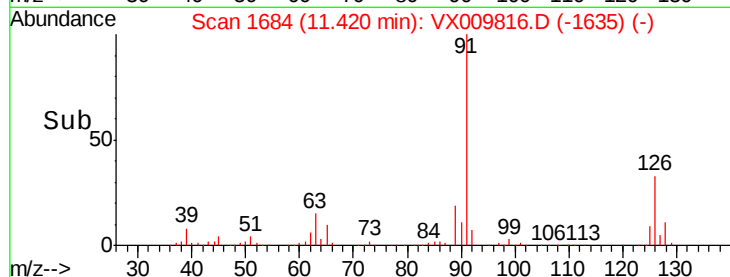
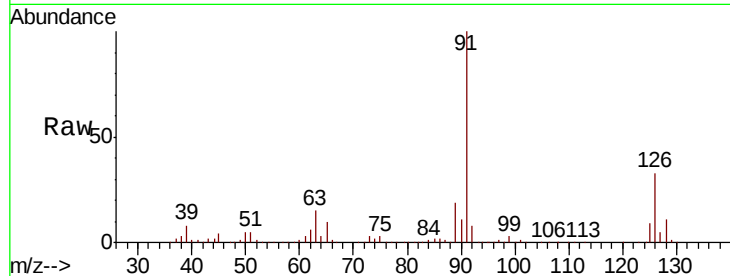




#79
 2-Chlorotoluene
 Concen: 44.261 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. 0.00 min
 Lab File: VX009816.D
 Acq: 22 May 2019 19:51

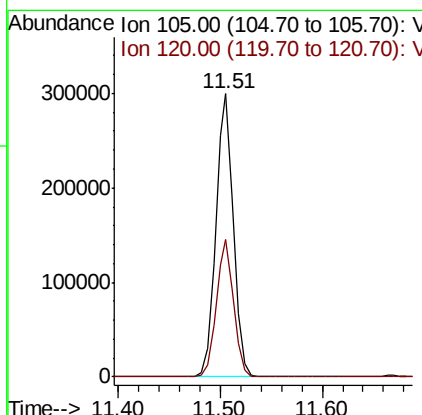
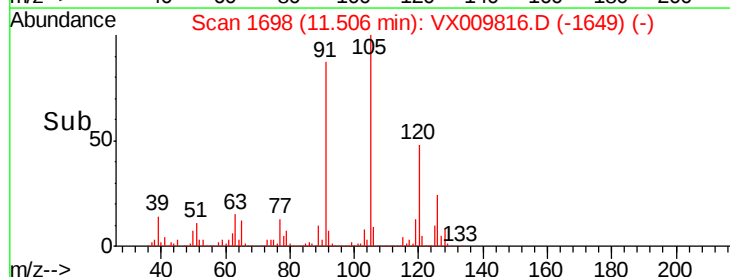
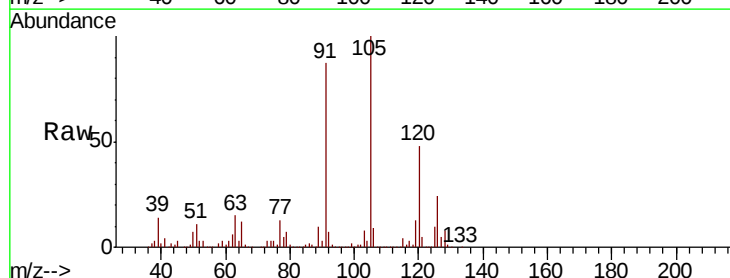
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 91 Resp: 291698
 Ion Ratio Lower Upper
 91 100
 126 32.5 16.3 48.9



#80
 1,3,5-Trimethylbenzene
 Concen: 45.704 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX009816.D
 Acq: 22 May 2019 19:51

Tgt Ion: 105 Resp: 359945
 Ion Ratio Lower Upper
 105 100
 120 47.8 24.3 72.9





#81

trans-1,4-Dichloro-2-butene

Concen: 44.789 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX009816.D

Acq: 22 May 2019 19:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

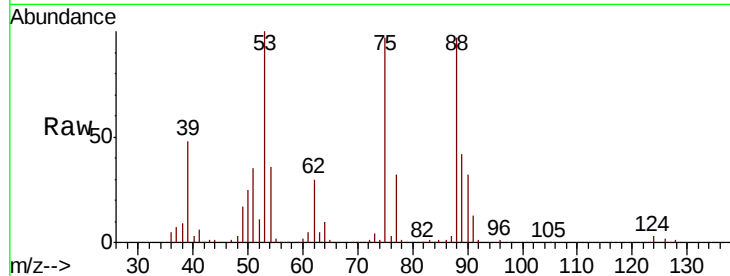
Tot Ion: 75 Resp: 52228

Ion Ratio Lower Upper

75 100

53 103.5 79.0 118.6

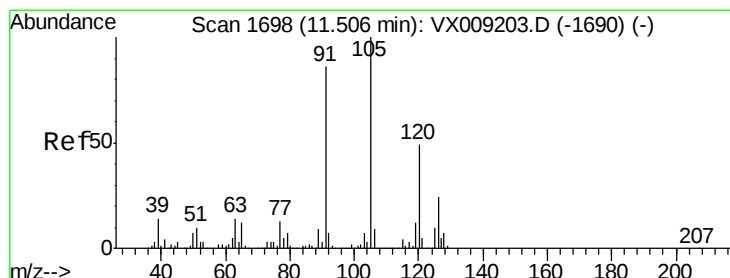
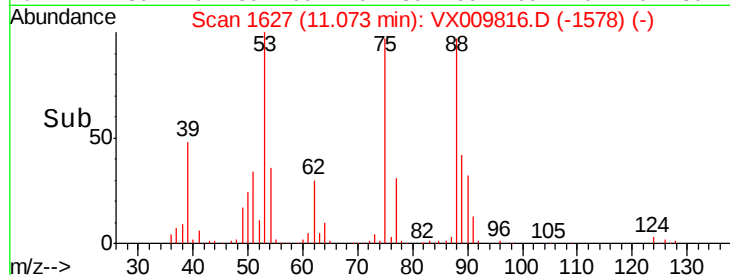
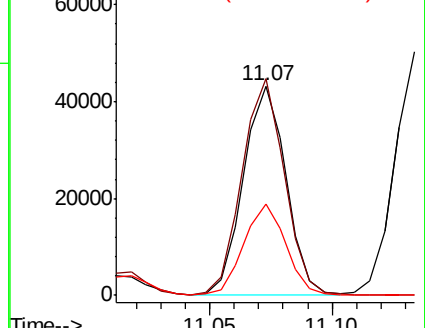
89 43.7 34.7 52.1



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 45.422 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.01 min

Lab File: VX009816.D

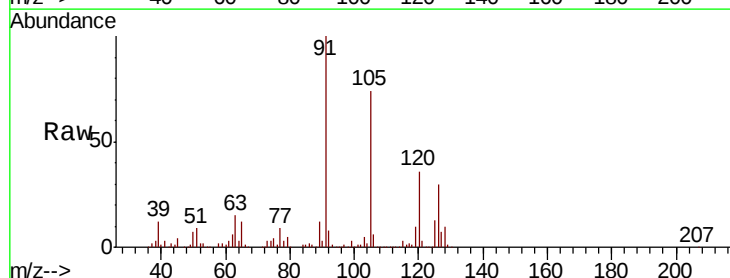
Acq: 22 May 2019 19:51

Tgt Ion: 91 Resp: 338172

Ion Ratio Lower Upper

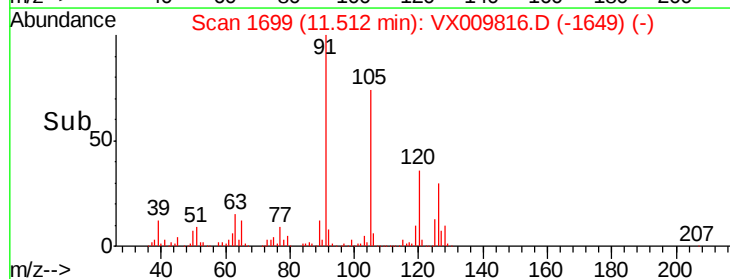
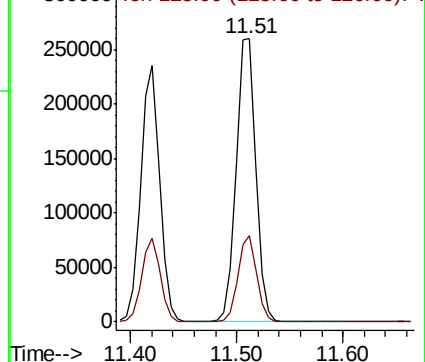
91 100

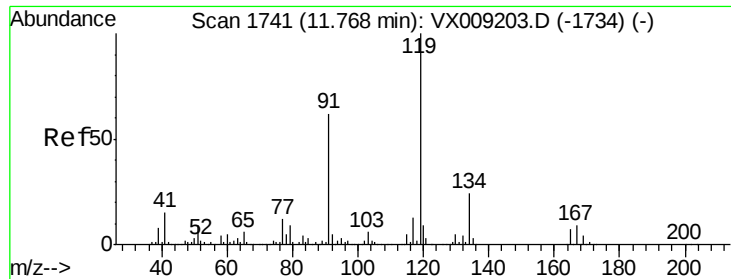
126 28.8 14.5 43.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

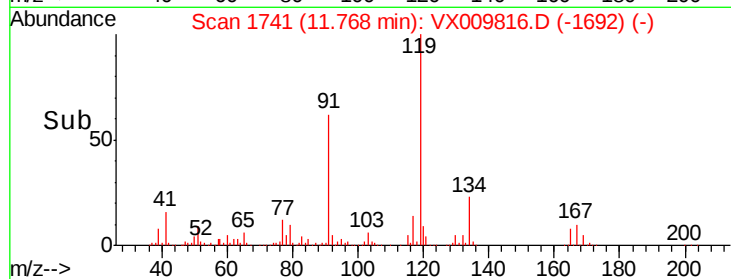
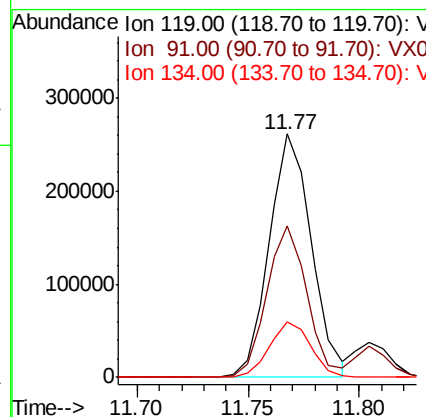
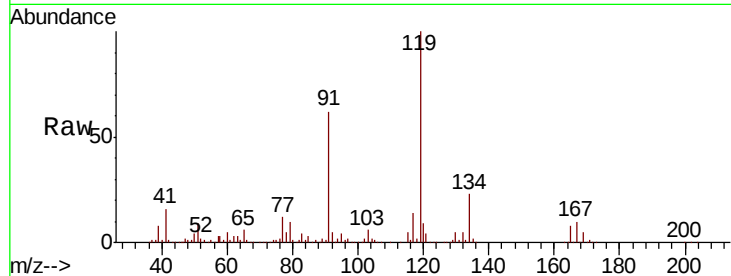




#83
 tert-Butylbenzene
 Concen: 44.873 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX009816.D
 Acq: 22 May 2019 19:51

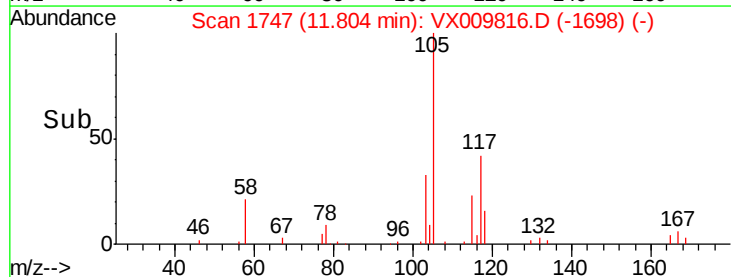
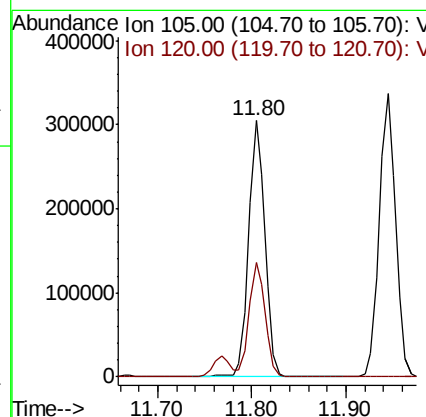
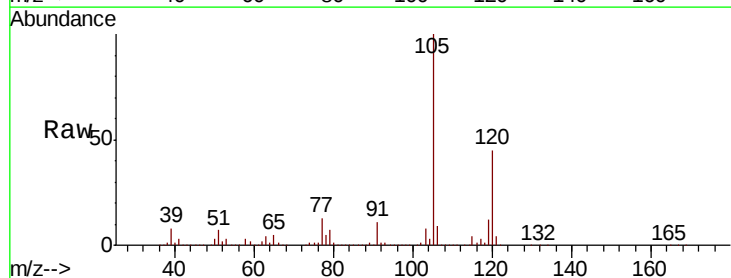
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	59.4	29.5	88.5
134	22.2	11.4	34.1



#84
 1,2,4-Trimethylbenzene
 Concen: 45.991 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX009816.D
 Acq: 22 May 2019 19:51

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.6	22.0	66.0





#85

sec-Butylbenzene

Concen: 44.665 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX009816.D

Acq: 22 May 2019 19:51

Instrument :

MSVOA_X

ClientSampleId :

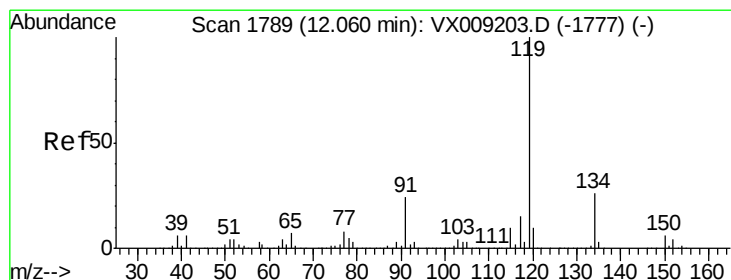
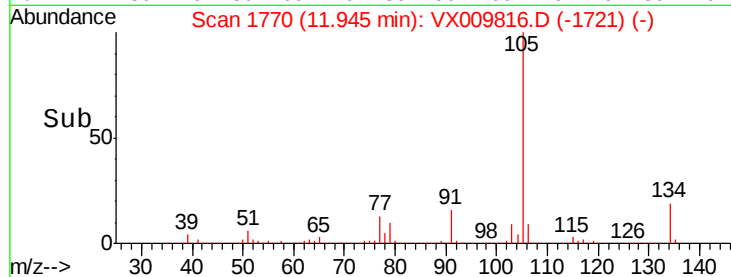
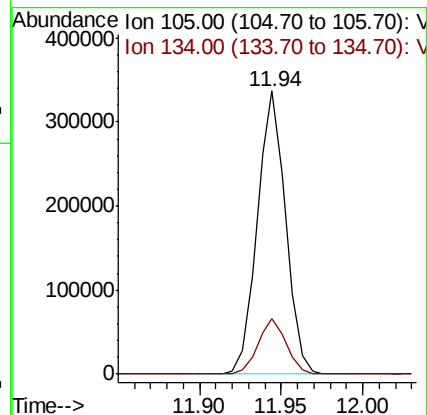
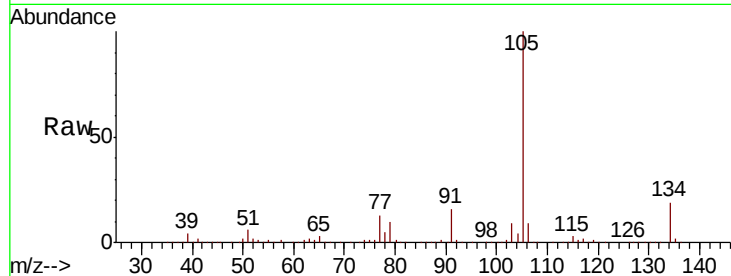
VSTDCCC050EC

Tot Ion:105 Resp: 405699

Ion Ratio Lower Upper

105 100

134 19.3 9.7 28.9



#86

p-Isopropyltoluene

Concen: 45.597 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX009816.D

Acq: 22 May 2019 19:51

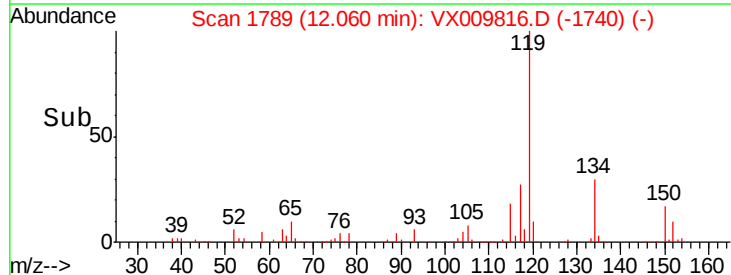
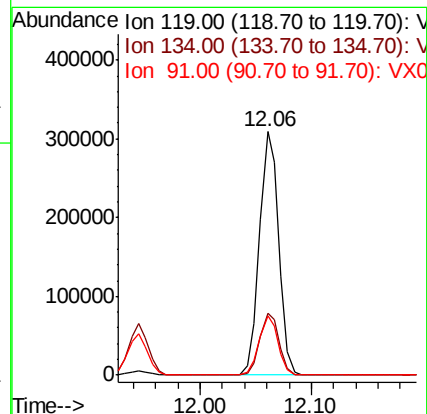
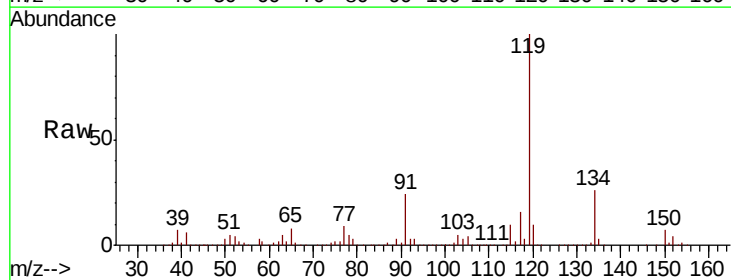
Tgt Ion:119 Resp: 372330

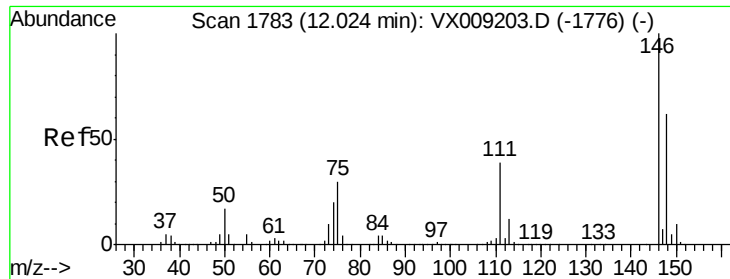
Ion Ratio Lower Upper

119 100

134 25.6 12.9 38.7

91 23.9 11.8 35.4

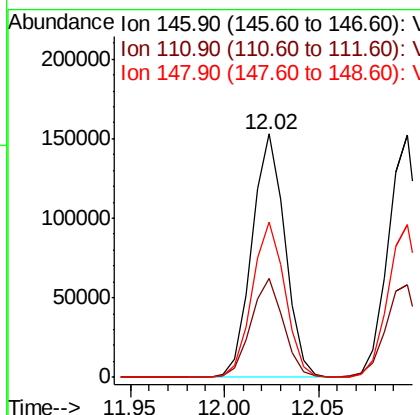
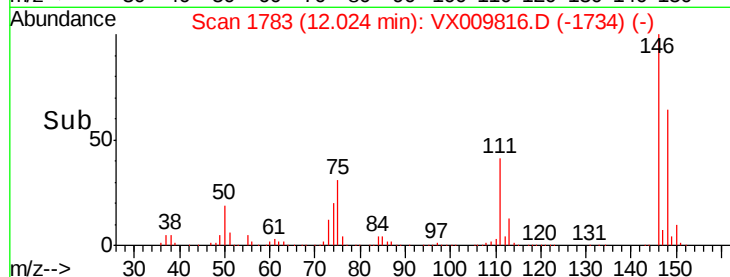
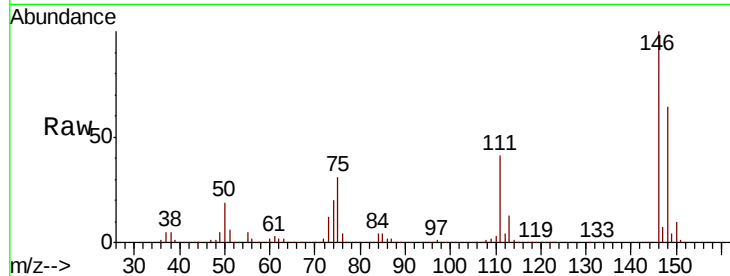




#87
 1,3-Dichlorobenzene
 Concen: 44.876 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX009816.D
 Acq: 22 May 2019 19:51

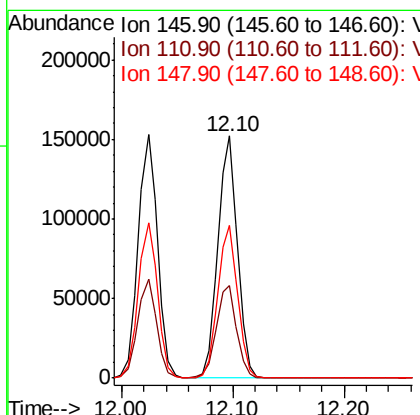
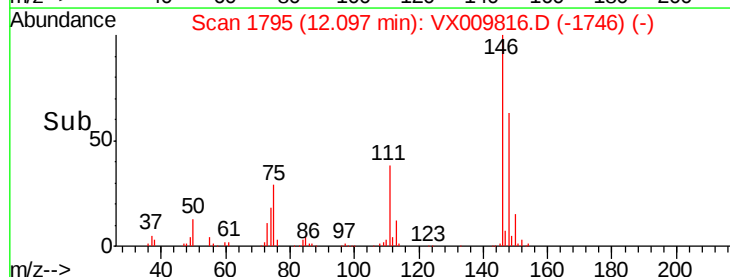
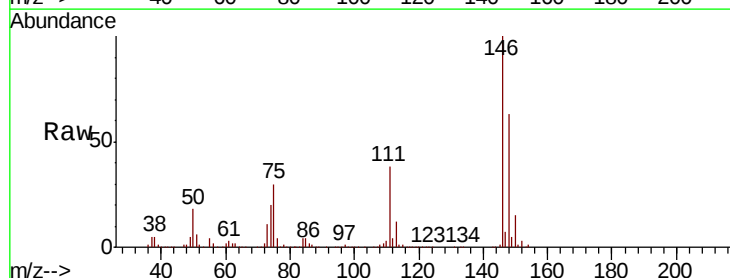
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:146 Resp: 185723
 Ion Ratio Lower Upper
 146 100
 111 39.9 20.0 59.9
 148 63.5 31.8 95.3



#88
 1,4-Dichlorobenzene
 Concen: 44.220 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX009816.D
 Acq: 22 May 2019 19:51

Tgt Ion:146 Resp: 184507
 Ion Ratio Lower Upper
 146 100
 111 39.5 19.6 58.8
 148 63.8 31.8 95.3

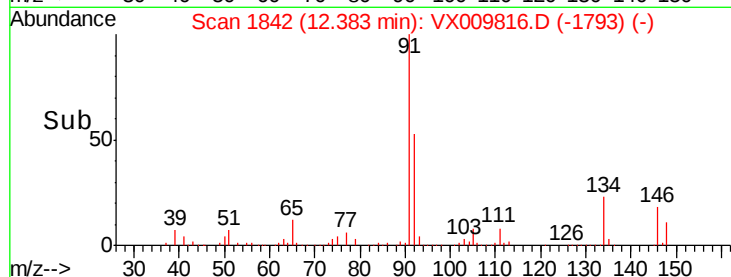
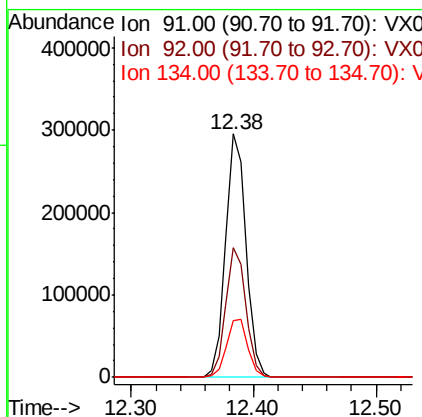
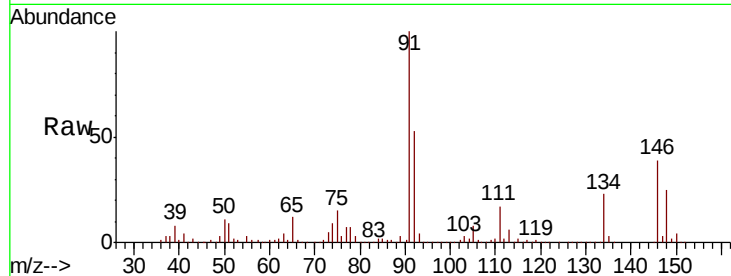




#89
n-Butylbenzene
Concen: 45.968 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX009816.D
Acq: 22 May 2019 19:51

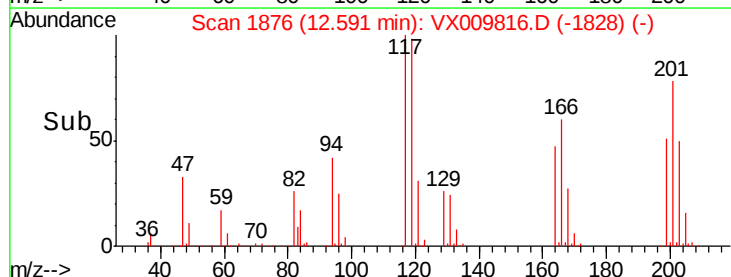
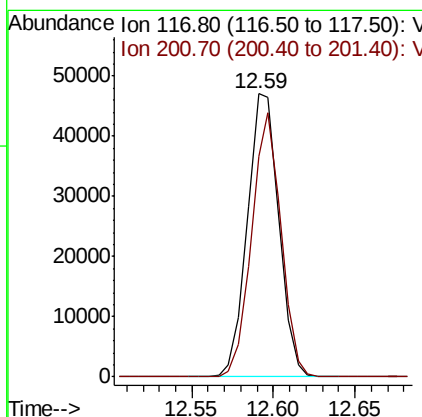
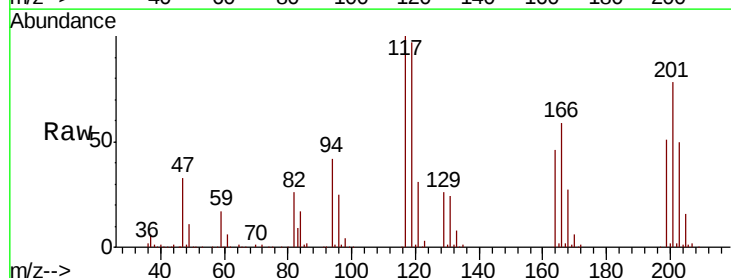
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 339268
Ion Ratio Lower Upper
91 100
92 52.9 26.5 79.5
134 24.6 12.4 37.2



#90
Hexachloroethane
Concen: 45.706 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. -0.01 min
Lab File: VX009816.D
Acq: 22 May 2019 19:51

Tgt Ion: 117 Resp: 63584
Ion Ratio Lower Upper
117 100
201 86.6 42.3 126.9

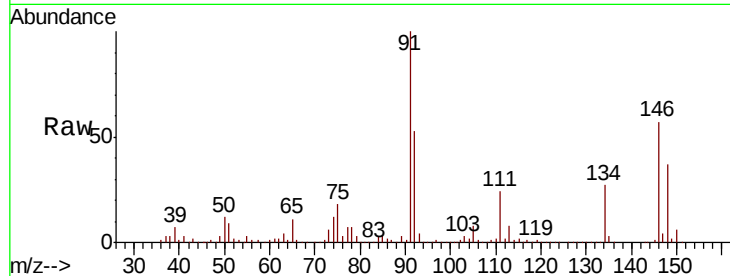




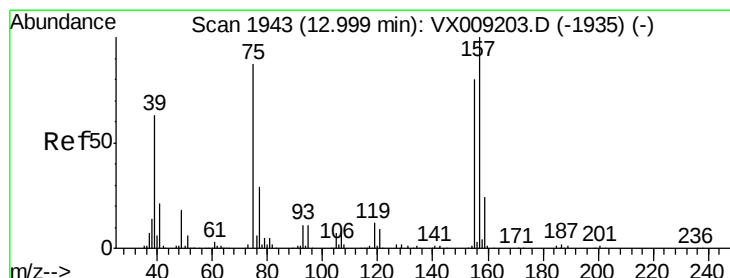
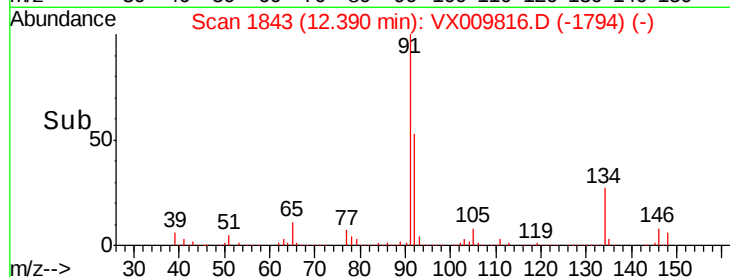
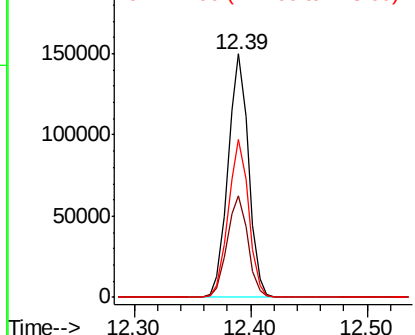
#91
 1,2-Dichlorobenzene
 Concen: 43.534 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX009816.D
 Acq: 22 May 2019 19:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:146 Resp: 183513
 Ion Ratio Lower Upper
 146 100
 111 41.9 20.8 62.4
 148 64.2 31.9 95.9

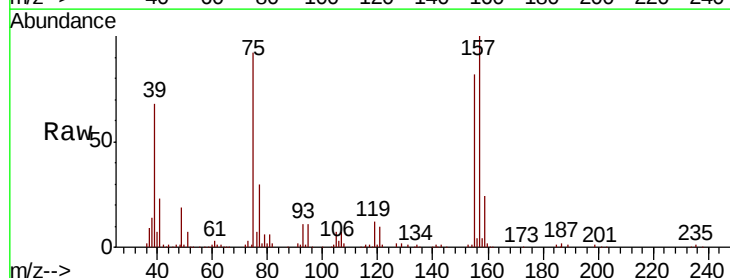


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

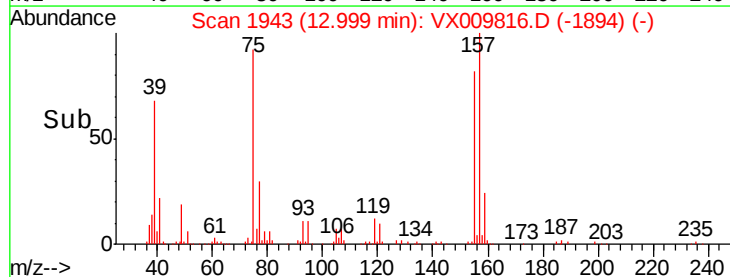
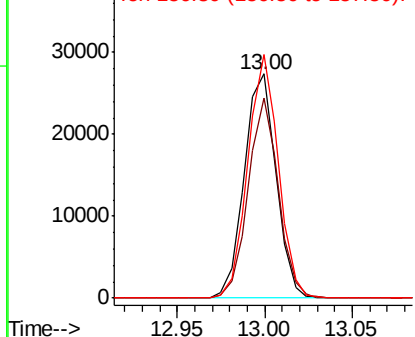


#92
 1,2-Dibromo-3-Chloropropane
 Concen: 44.337 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX009816.D
 Acq: 22 May 2019 19:51

Tgt Ion: 75 Resp: 34680
 Ion Ratio Lower Upper
 75 100
 155 84.2 42.0 126.0
 157 104.0 53.2 159.6



Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V

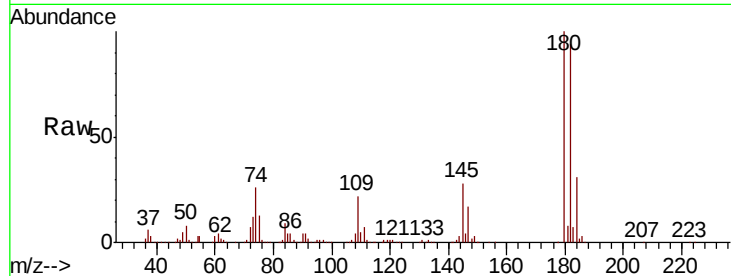




#93
 1,2,4-Trichlorobenzene
 Concen: 45.207 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX009816.D
 Acq: 22 May 2019 19:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.2	48.4	145.2
145	28.6	14.6	43.8

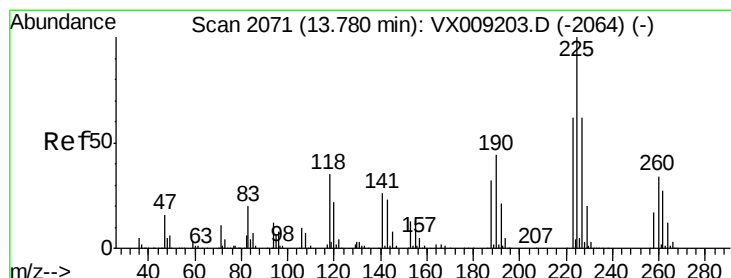
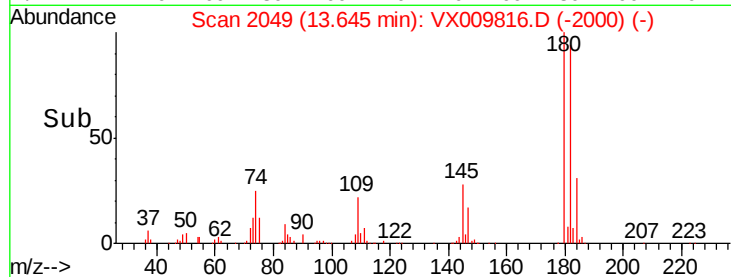
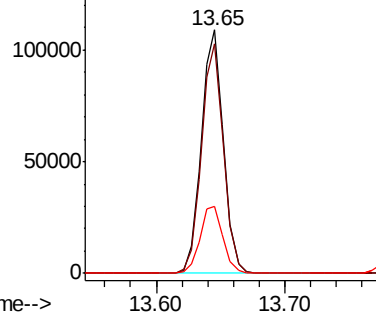


Abundance

Ion 179.80 (179.50 to 180.50): V

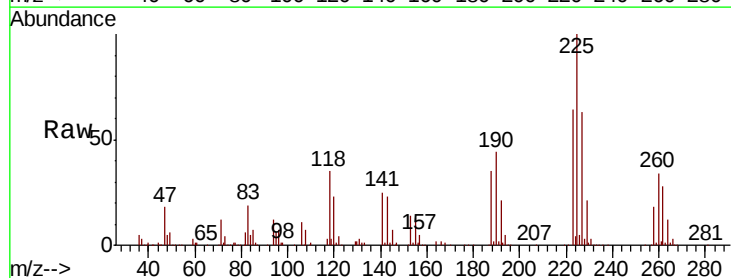
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 44.099 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX009816.D
 Acq: 22 May 2019 19:51

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.2	31.3	93.8
227	63.0	31.8	95.3

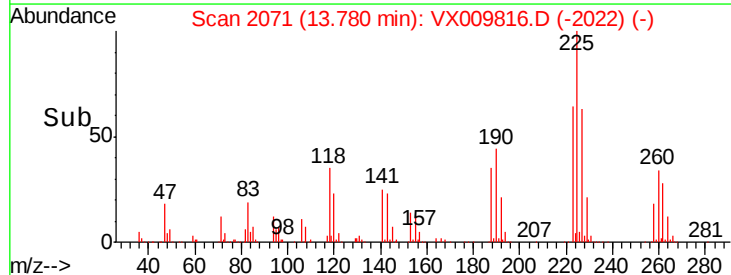
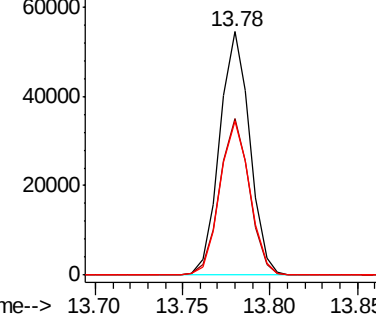


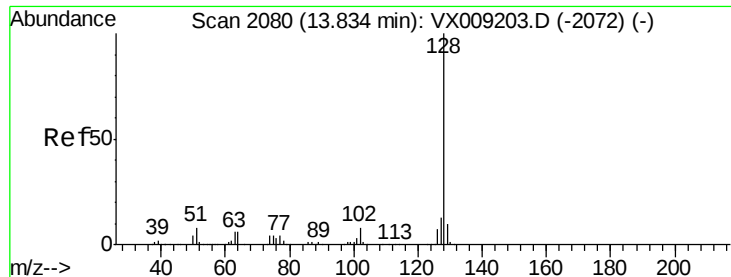
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

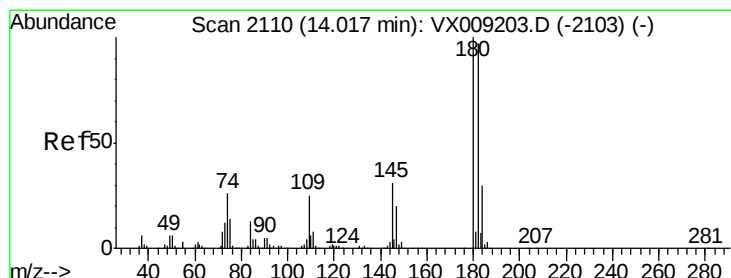
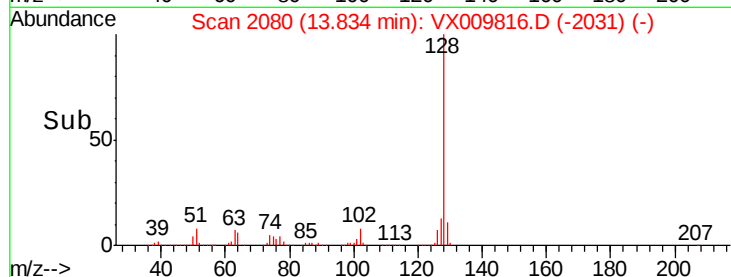
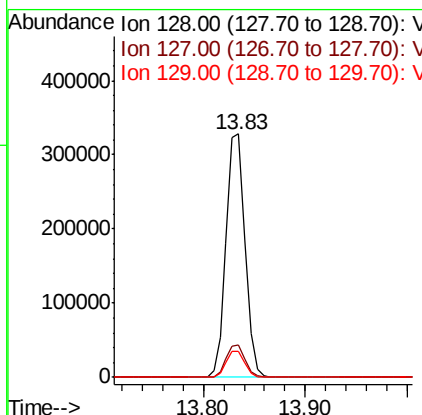
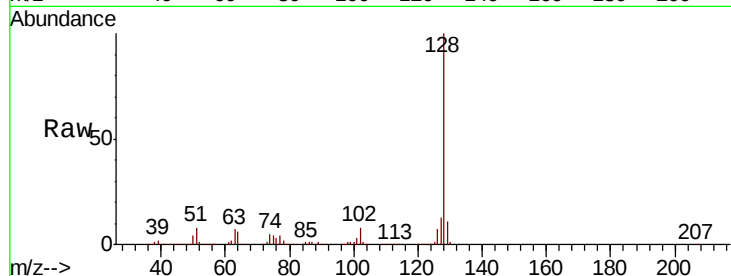




#95
Naphthalene
Concen: 45.109 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX009816.D
Acq: 22 May 2019 19:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.4	15.6
129	10.7	8.6	13.0



#96
1,2,3-Trichlorobenzene
Concen: 44.600 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX009816.D
Acq: 22 May 2019 19:51

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.9	47.8	143.4
145	31.7	15.4	46.4

