

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051419\
 Data File : VX009564.D
 Acq On : 14 May 2019 16:03
 Operator : JC/SP
 Sample : VX0514WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0514WBSD01

Quant Time: May 15 01:54:27 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	158363	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	249014	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	224008	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	109060	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	97794	45.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.48%	
35) Dibromofluoromethane	5.49	113	72983	46.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.24%	
50) Toluene-d8	8.71	98	289987	45.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.76%	
62) 4-Bromofluorobenzene	11.13	95	105484	45.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	25252	17.304	ug/l	99
3) Chloromethane	1.32	50	37942	19.044	ug/l	97
4) Vinyl Chloride	1.41	62	37230	19.163	ug/l	97
5) Bromomethane	1.64	94	22809	19.560	ug/l	97
6) Chloroethane	1.72	64	24527	19.663	ug/l	98
7) Trichlorofluoromethane	1.93	101	47347	20.049	ug/l	97
8) Diethyl Ether	2.19	74	22146	19.797	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.39	101	29210	19.696	ug/l	98
10) Methyl Iodide	2.51	142	32741	21.849	ug/l	99
11) Tert butyl alcohol	3.04	59	46695	93.313	ug/l	98
12) 1,1-Dichloroethene	2.37	96	29440	19.813	ug/l	95
13) Acrolein	2.29	56	33645	74.240	ug/l	99
14) Allyl chloride	2.73	41	67920	18.756	ug/l	97
15) Acrylonitrile	3.14	53	118874	97.155	ug/l	99
16) Acetone	2.44	43	113617	97.876	ug/l	96
17) Carbon Disulfide	2.57	76	78661	18.856	ug/l	100
18) Methyl Acetate	2.78	43	53805	19.490	ug/l	98
19) Methyl tert-butyl Ether	3.19	73	114923	19.917	ug/l	98
20) Methylene Chloride	2.86	84	35772	19.032	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	31641	19.635	ug/l	99
22) Diisopropyl ether	3.85	45	139527	20.036	ug/l	95
23) Vinyl Acetate	3.81	43	615228	103.170	ug/l	99
24) 1,1-Dichloroethane	3.70	63	67391	19.617	ug/l	99
25) 2-Butanone	4.67	43	178554	98.983	ug/l	98
26) 2,2-Dichloropropane	4.59	77	49703	19.437	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	38292	19.908	ug/l	99
28) Bromochloromethane	5.01	49	23548	15.116	ug/l	99
29) Tetrahydrofuran	5.13	42	115411	99.424	ug/l	100
30) Chloroform	5.21	83	62671	20.170	ug/l	98
31) Cyclohexane	5.58	56	64343	20.131	ug/l	96
32) 1,1,1-Trichloroethane	5.49	97	50882	19.672	ug/l	99
36) 1,1-Dichloropropene	5.80	75	47750	20.634	ug/l	100
37) Ethyl Acetate	4.83	43	67406	20.906	ug/l	99
38) Carbon Tetrachloride	5.79	117	42096	20.022	ug/l	97

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Instrument :
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 ClientSampleId :
 VX0514WBSD01

Quant Time: May 15 01:54:27 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)
39) Methylcyclohexane	7.46	83	56611	19.920	ug/l	95
40) Benzene	6.15	78	146356	20.436	ug/l	98
41) Methacrylonitrile	5.04	41	37322	19.446	ug/l	97
42) 1,2-Dichloroethane	6.19	62	53592	20.861	ug/l	100
43) Isopropyl Acetate	6.44	43	104694	20.300	ug/l	100
44) Trichloroethene	7.21	130	34325	19.825	ug/l	97
45) 1,2-Dichloropropane	7.51	63	41591	20.509	ug/l	98
46) Dibromomethane	7.66	93	24016	20.393	ug/l	99
47) Bromodichloromethane	7.90	83	47190	20.089	ug/l	98
48) Methyl methacrylate	7.77	41	52242	20.417	ug/l	99
49) 1,4-Dioxane	7.74	88	19763	380.863	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	342513	101.607	ug/l	100
52) Toluene	8.78	92	88631	20.359	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	52793	19.906	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	59702	20.338	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	35998	20.268	ug/l	96
56) Ethyl methacrylate	9.18	69	63743	20.106	ug/l	99
57) 1,3-Dichloropropane	9.37	76	64137	20.521	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	152544	90.697	ug/l	100
59) 2-Hexanone	9.49	43	262607	99.190	ug/l	99
60) Dibromochloromethane	9.58	129	34665	19.983	ug/l	100
61) 1,2-Dibromoethane	9.67	107	36512	20.365	ug/l	99
64) Tetrachloroethene	9.34	164	31128	20.258	ug/l	98
65) Chlorobenzene	10.13	112	90978	20.302	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	33019	20.324	ug/l	99
67) Ethyl Benzene	10.25	91	167460	20.305	ug/l	100
68) m/p-Xylenes	10.36	106	125103	41.511	ug/l	99
69) o-Xylene	10.69	106	61688	20.746	ug/l	99
70) Styrene	10.71	104	104500	20.220	ug/l	98
71) Bromoform	10.85	173	25669	19.443	ug/l #	98
73) Isopropylbenzene	11.02	105	162317	20.467	ug/l	100
74) N-amyl acetate	10.90	43	91116	19.706	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	59145	20.005	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	66620	26.334	ug/l	82
77) Bromobenzene	11.26	156	40209	20.427	ug/l	98
78) n-propylbenzene	11.36	91	187021	20.649	ug/l	100
79) 2-Chlorotoluene	11.42	91	110809	19.830	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	136754	20.479	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	18290	18.499	ug/l	92
82) 4-Chlorotoluene	11.51	91	126781	20.083	ug/l	99
83) tert-Butylbenzene	11.77	119	132378	20.378	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	138330	20.638	ug/l	100
85) sec-Butylbenzene	11.94	105	155684	20.215	ug/l	100
86) p-Isopropyltoluene	12.06	119	143168	20.678	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	70950	20.219	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	71076	20.090	ug/l	99
89) n-Butylbenzene	12.38	91	127215	20.329	ug/l	99
90) Hexachloroethane	12.60	117	22896	19.411	ug/l	96
91) 1,2-Dichlorobenzene	12.39	146	71858	20.105	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	13485	20.333	ug/l	95

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ALS Vial : 13 Sample Multiplier: 1

Instrument :
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ClientSampleId :
VX0514WBSD01

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Quant Title : SW846 8260
QLast Update : Thu May 09 07:31:15 2019
Response via : Initial Calibration

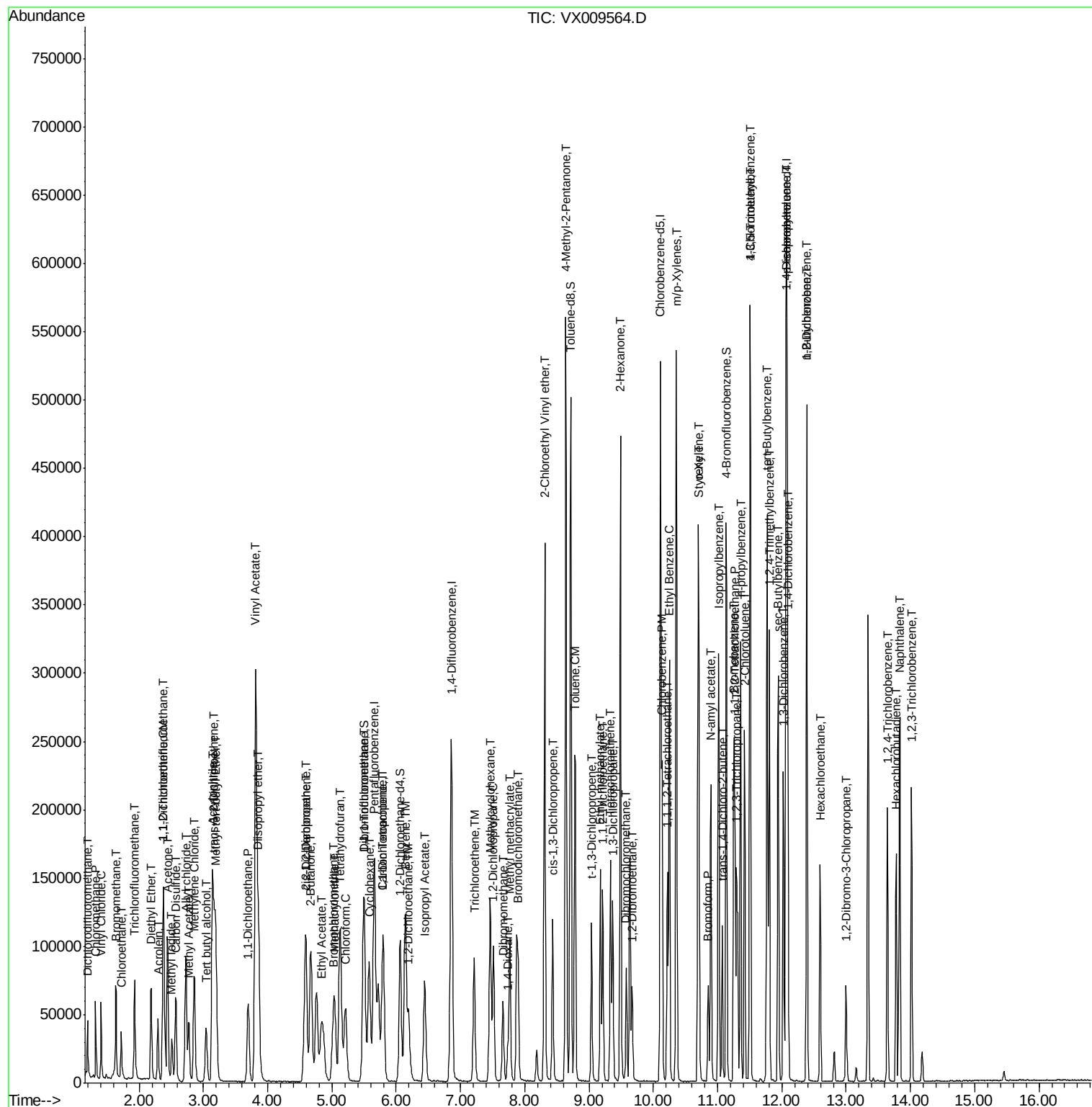
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	49466	20.239	ug/l	99
94) Hexachlorobutadiene	13.78	225	25710	20.599	ug/l	99
95) Naphthalene	13.83	128	163634	20.578	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	51330	20.718	ug/l	99

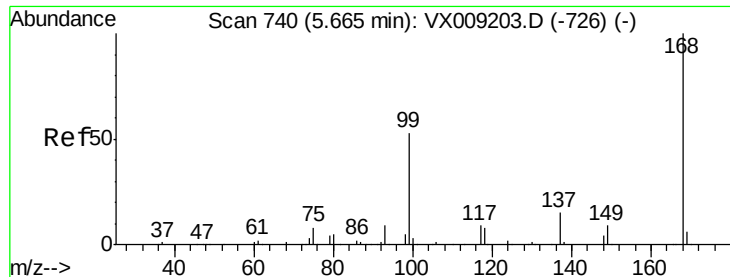
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VX009564.D
Acq On : 14 May 2019 16:03
Operator : JC/SP
Sample : VX0514WBSD01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0514WBSD01

Quant Time: May 15 01:54:27 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260
QLast Update : Thu May 09 07:31:15 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX009564.D

Acq: 14 May 2019 16:03

Instrument :

MSVOA_X

ClientSampleId :

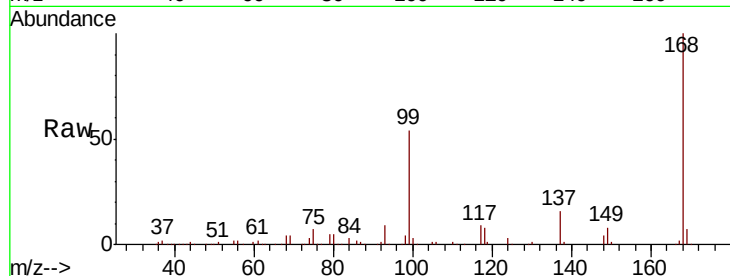
VX0514WBSD01

Tot Ion:168 Resp: 158363

Ion Ratio Lower Upper

168 100

99 53.7 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

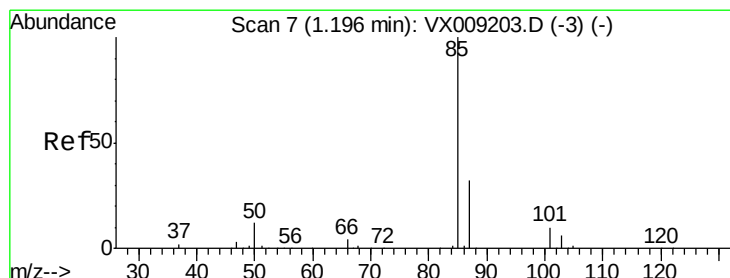
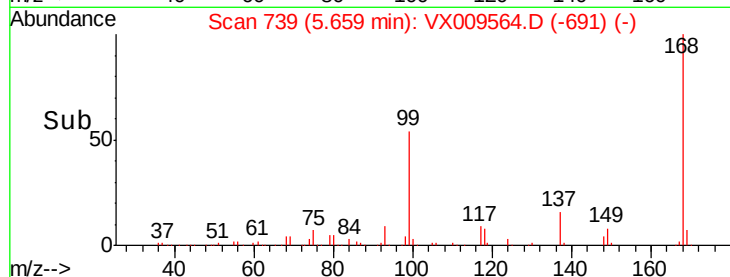
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 17.304 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX009564.D

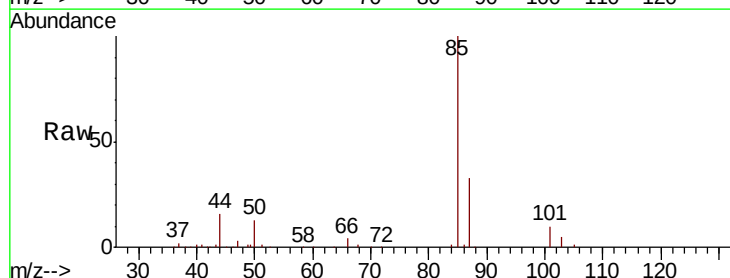
Acq: 14 May 2019 16:03

Tgt Ion: 85 Resp: 25252

Ion Ratio Lower Upper

85 100

87 32.7 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

25000

20000

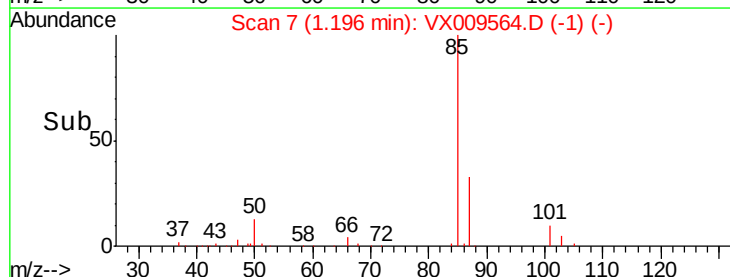
15000

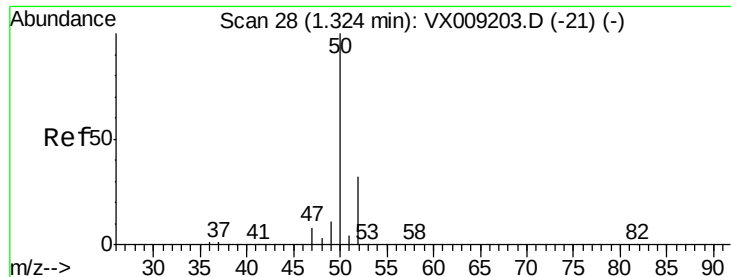
10000

5000

0

Time--> 1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 19.044 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX009564.D

Acq: 14 May 2019 16:03

Instrument :

MSVOA_X

ClientSampleId :

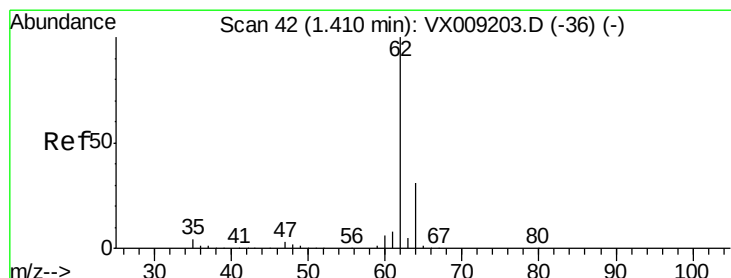
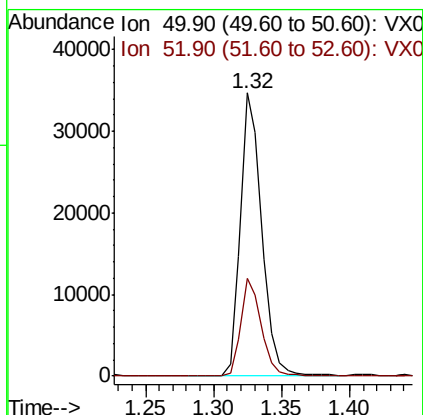
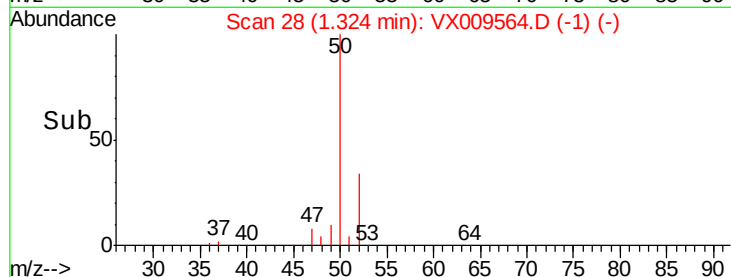
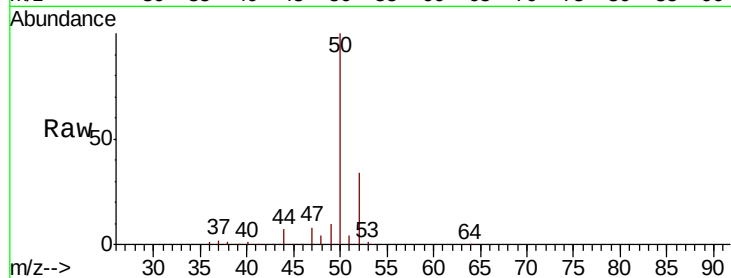
VX0514WBSD01

Tot Ion: 50 Resp: 37942

Ion Ratio Lower Upper

50 100

52 34.3 25.9 38.9



#4

Vinyl Chloride

Concen: 19.163 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX009564.D

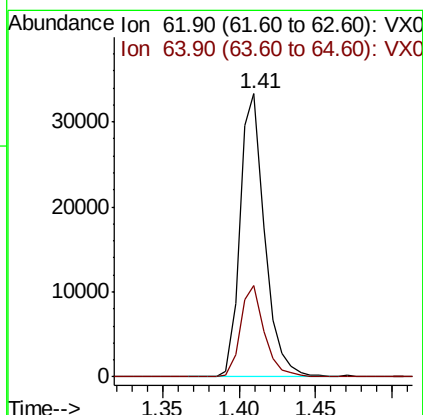
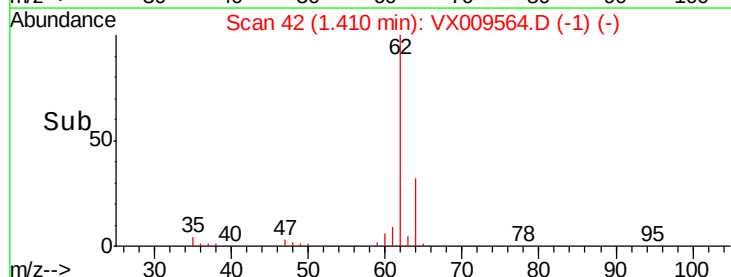
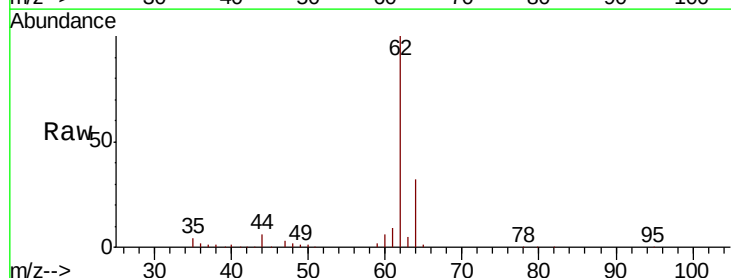
Acq: 14 May 2019 16:03

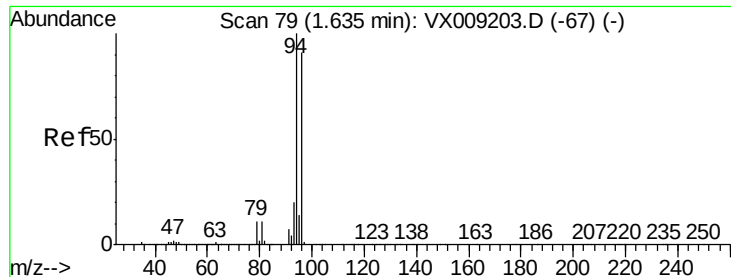
Tgt Ion: 62 Resp: 37230

Ion Ratio Lower Upper

62 100

64 32.4 24.6 36.8





#5

Bromomethane

Concen: 19.560 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX009564.D

Acq: 14 May 2019 16:03

Instrument :

MSVOA_X

ClientSampleId :

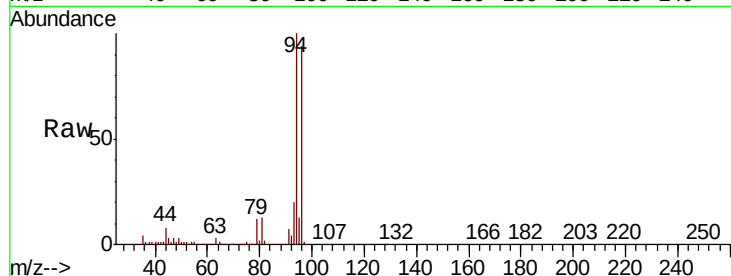
VX0514WBSD01

Tot Ion: 94 Resp: 22809

Ion Ratio Lower Upper

94 100

96 94.5 73.0 109.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

25000

20000

15000

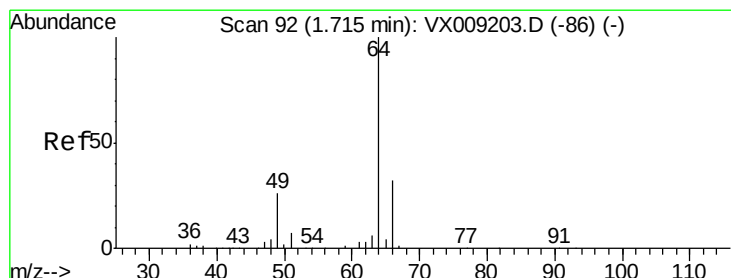
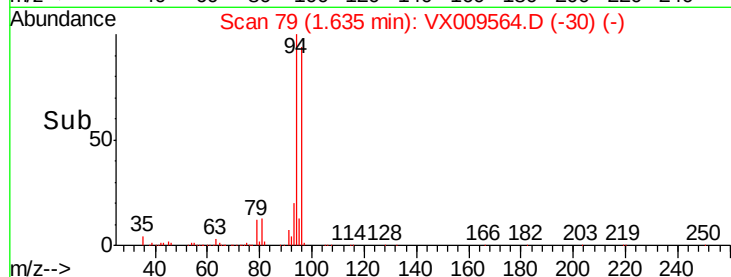
10000

5000

0

Time-->

1.60 1.65 1.70



#6

Chloroethane

Concen: 19.663 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX009564.D

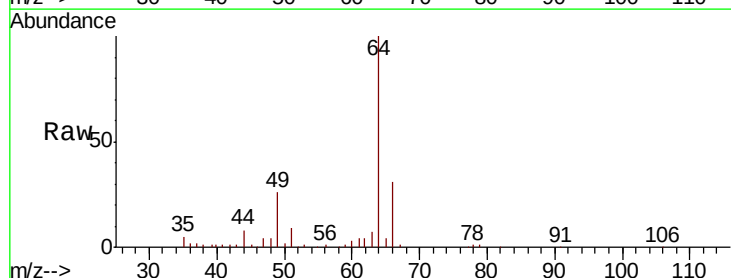
Acq: 14 May 2019 16:03

Tgt Ion: 64 Resp: 24527

Ion Ratio Lower Upper

64 100

66 30.7 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

20000

15000

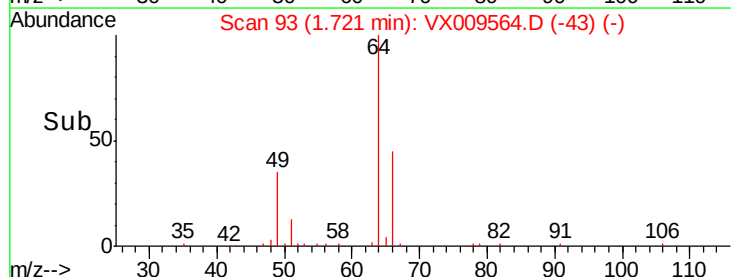
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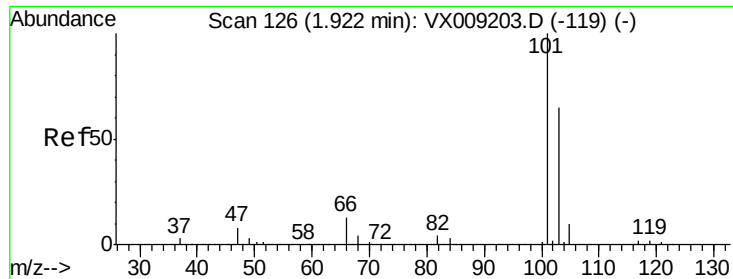
5000

0

Time-->

1.60 1.70 1.80



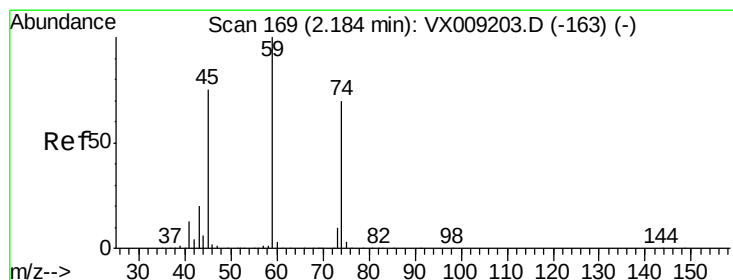
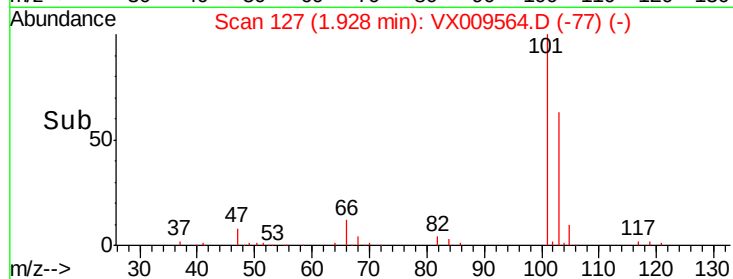
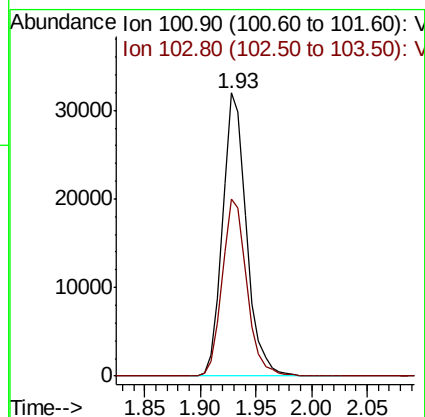
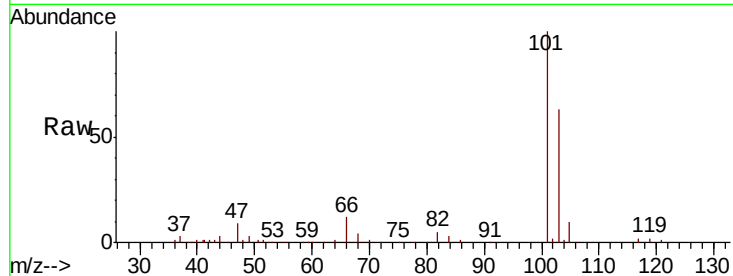


#7

Trichlorofluoromethane
 Concen: 20.049 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. 0.01 min
 Lab File: VX009564.D
 Acq: 14 May 2019 16:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0514WBSD01

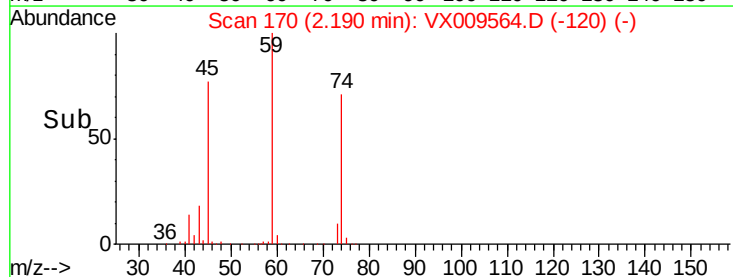
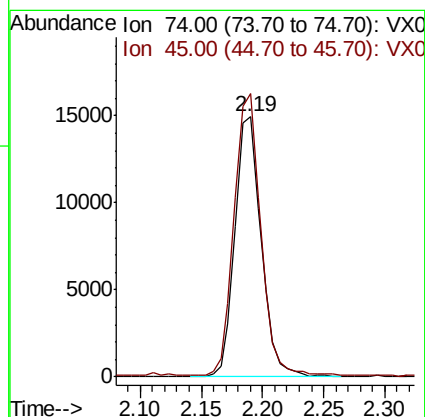
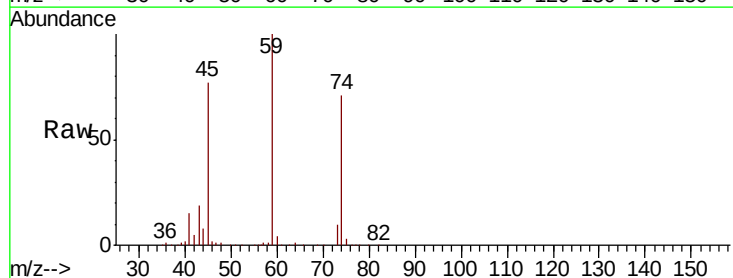
Tot Ion:101 Resp: 47347
 Ion Ratio Lower Upper
 101 100
 103 62.8 52.4 78.6

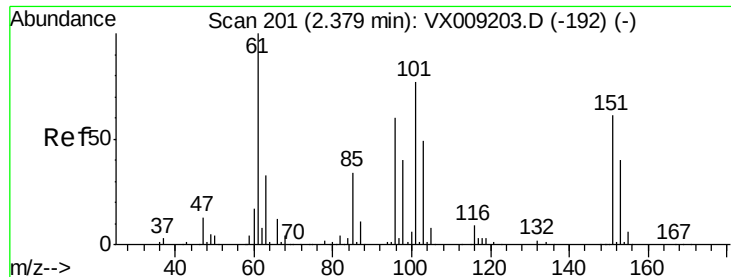


#8

Diethyl Ether
 Concen: 19.797 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. 0.01 min
 Lab File: VX009564.D
 Acq: 14 May 2019 16:03

Tgt Ion: 74 Resp: 22146
 Ion Ratio Lower Upper
 74 100
 45 109.3 53.3 159.9

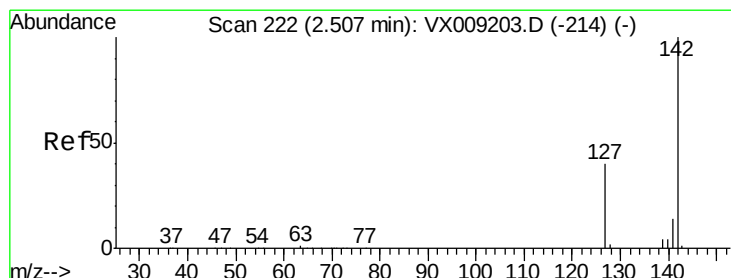
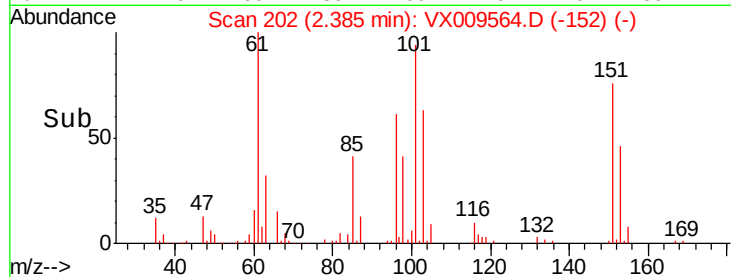
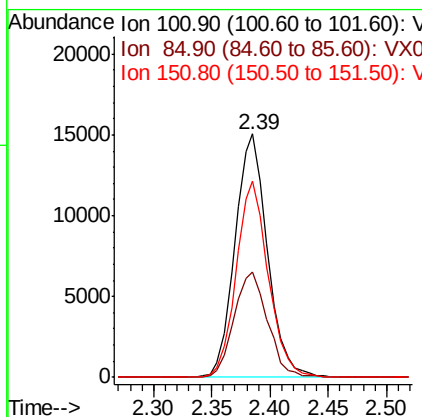
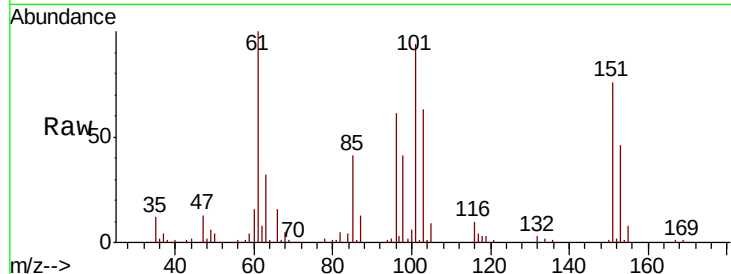




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 19.696 ug/l
 RT: 2.39 min Scan# 202
 Delta R.T. 0.01 min
 Lab File: VX009564.D
 Acq: 14 May 2019 16:03

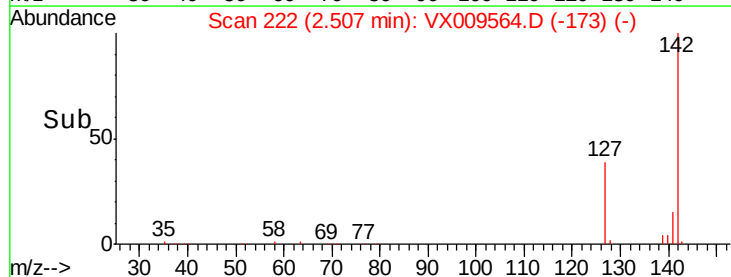
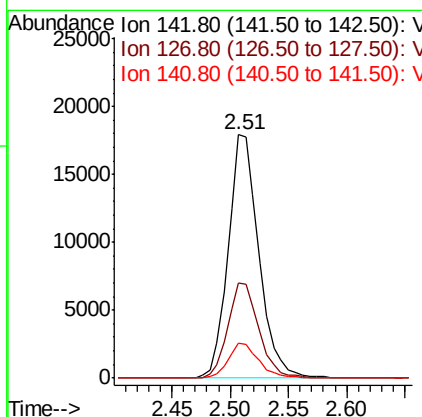
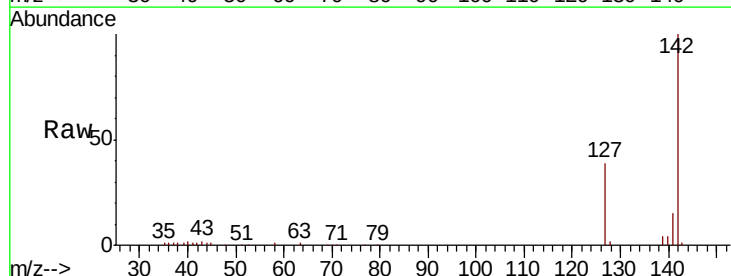
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0514WBSD01

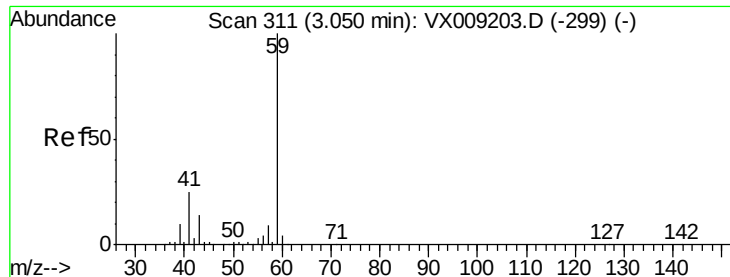
Tot Ion:101 Resp: 29210
 Ion Ratio Lower Upper
 101 100
 85 44.9 35.7 53.5
 151 79.8 62.2 93.2



#10
 Methyl Iodide
 Concen: 21.849 ug/l
 RT: 2.51 min Scan# 222
 Delta R.T. 0.00 min
 Lab File: VX009564.D
 Acq: 14 May 2019 16:03

Tgt Ion:142 Resp: 32741
 Ion Ratio Lower Upper
 142 100
 127 39.7 32.7 49.1
 141 14.3 11.5 17.3

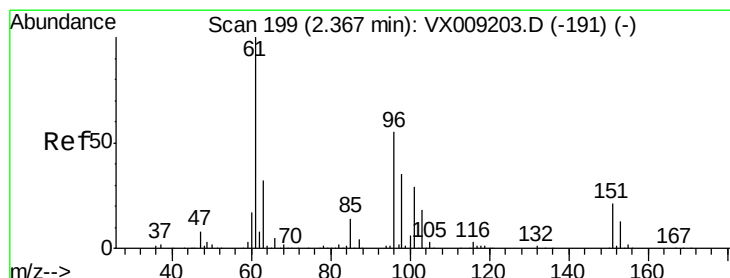
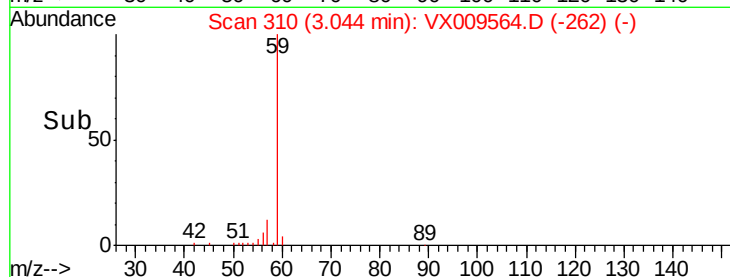
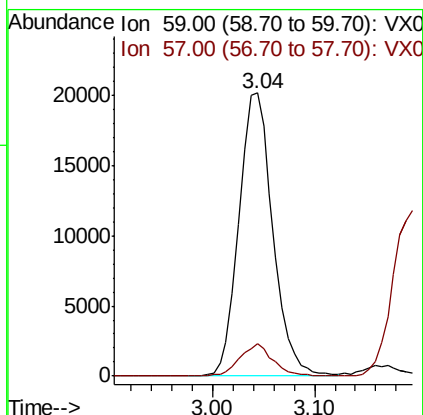
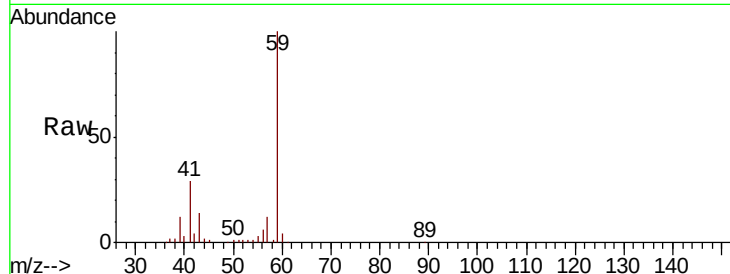




#11
Tert butyl alcohol
Concen: 93.313 ug/l
RT: 3.04 min Scan# 310
Delta R.T. -0.01 min
Lab File: VX009564.D
Acq: 14 May 2019 16:03

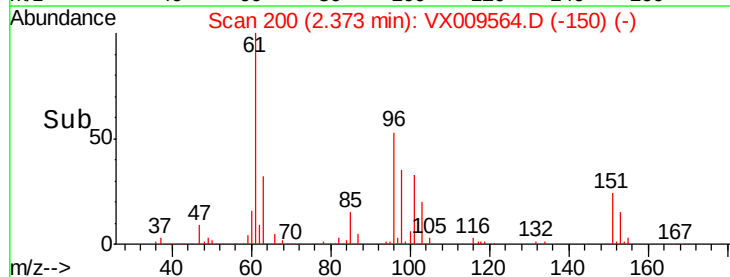
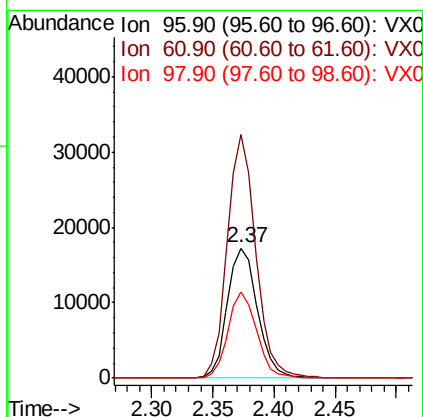
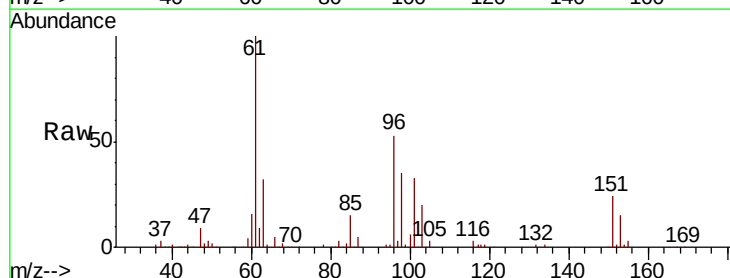
Instrument :
MSVOA_X
ClientSampleId :
VX0514WBSD01

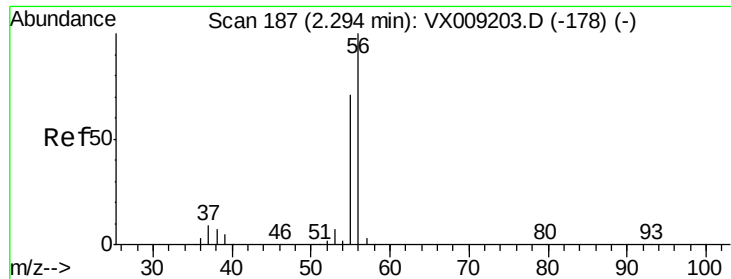
Tot Ion: 59 Resp: 46695
Ion Ratio Lower Upper
59 100
57 10.9 8.2 12.2



#12
1,1-Dichloroethene
Concen: 19.813 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.01 min
Lab File: VX009564.D
Acq: 14 May 2019 16:03

Tgt Ion: 96 Resp: 29440
Ion Ratio Lower Upper
96 100
61 187.0 144.3 216.5
98 66.0 50.3 75.5

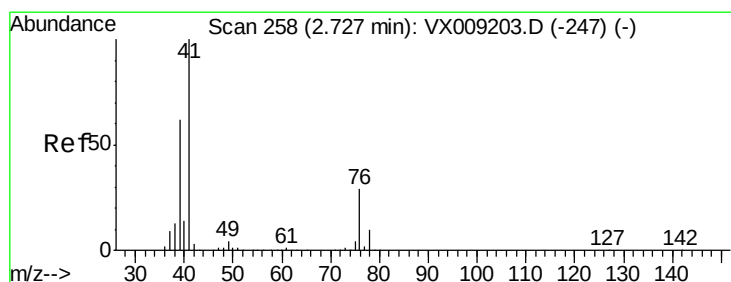
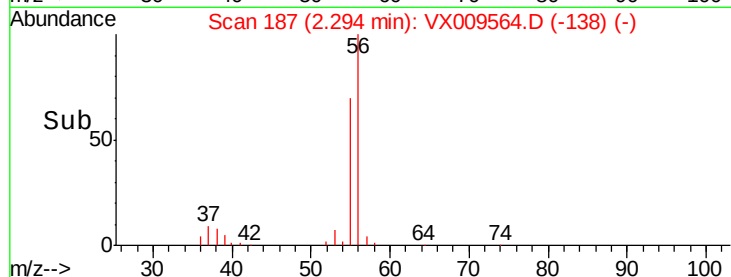
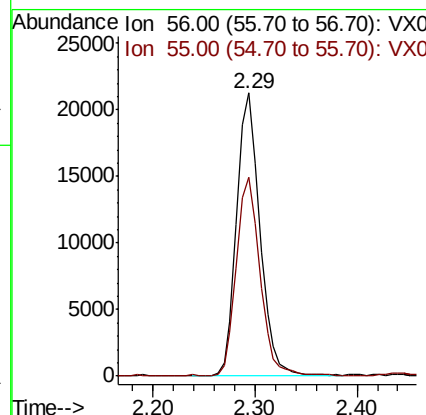
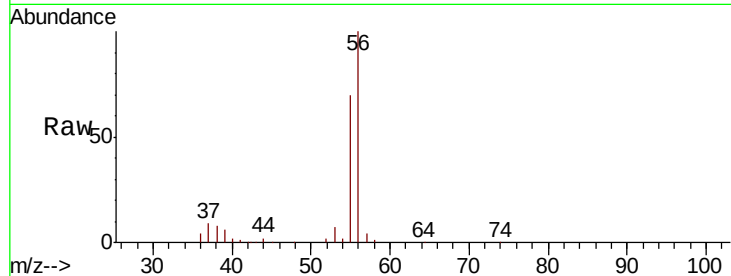




#13
 Acrolein
 Concen: 74.240 ug/l
 RT: 2.29 min Scan# 187
 Delta R.T. -0.00 min
 Lab File: VX009564.D
 Acq: 14 May 2019 16:03

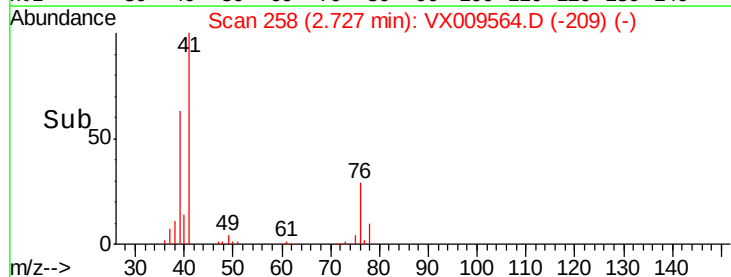
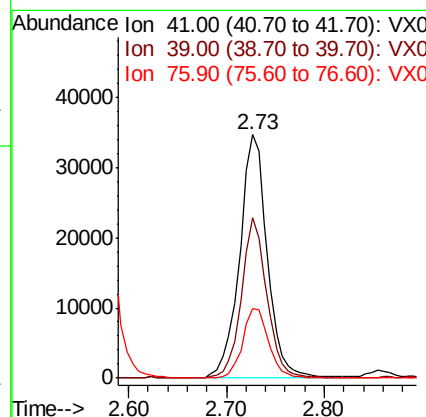
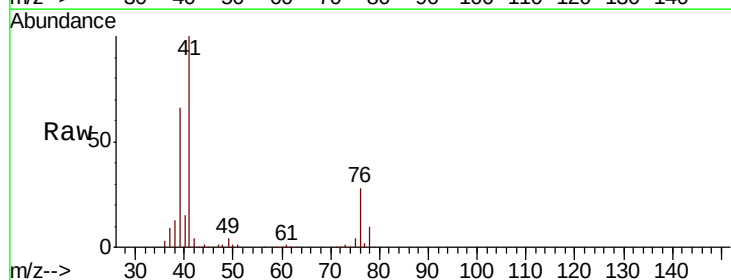
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0514WBSD01

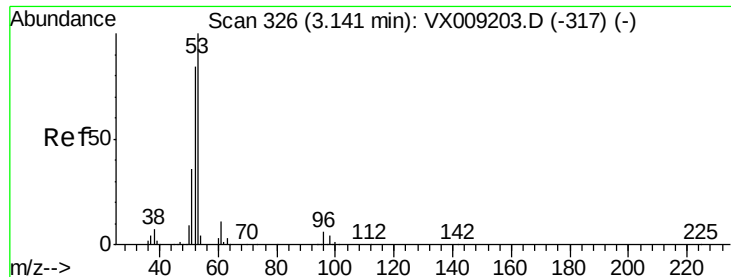
Tot Ion: 56 Resp: 33645
 Ion Ratio Lower Upper
 56 100
 55 71.7 56.6 85.0



#14
 Allyl chloride
 Concen: 18.756 ug/l
 RT: 2.73 min Scan# 258
 Delta R.T. -0.00 min
 Lab File: VX009564.D
 Acq: 14 May 2019 16:03

Tgt Ion: 41 Resp: 67920
 Ion Ratio Lower Upper
 41 100
 39 61.1 46.7 70.1
 76 27.2 21.8 32.8





#15

Acrylonitrile

Concen: 97.155 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX009564.D

Acq: 14 May 2019 16:03

Instrument :

MSVOA_X

ClientSampleId :

VX0514WBSD01

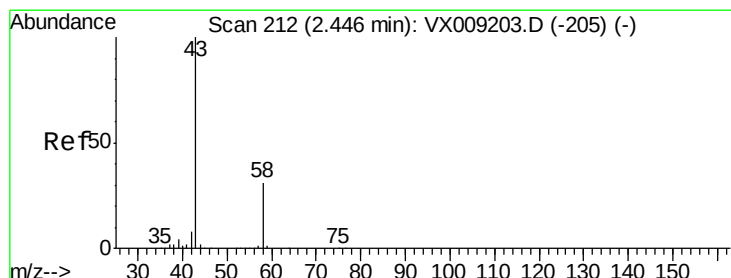
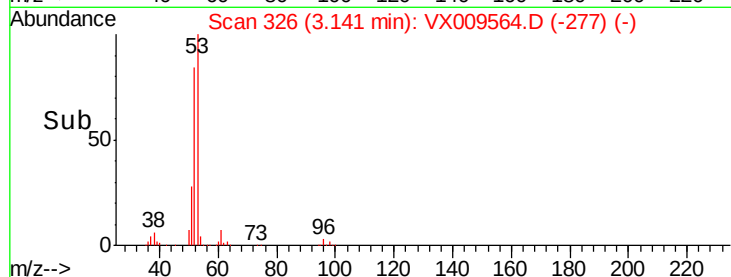
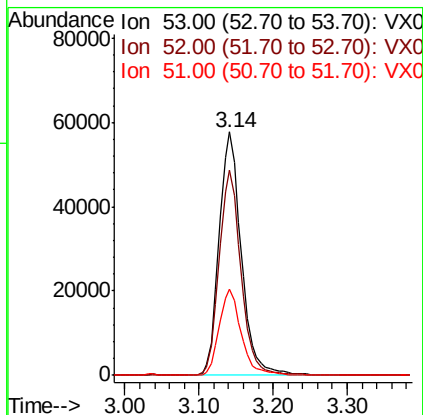
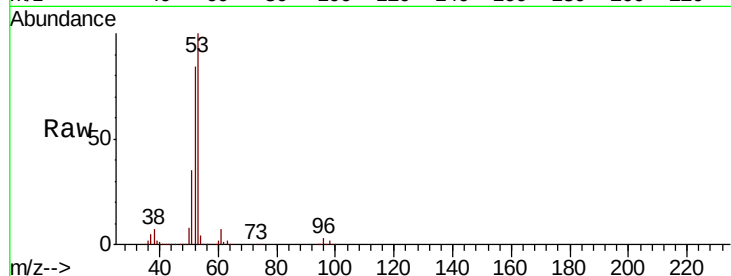
Tot Ion: 53 Resp: 118874

Ion Ratio Lower Upper

53 100

52 83.3 66.9 100.3

51 35.8 28.2 42.2



#16

Acetone

Concen: 97.876 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX009564.D

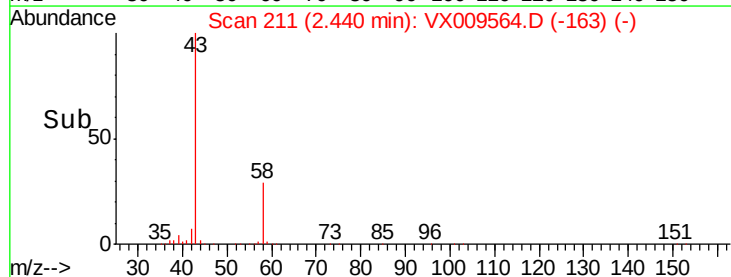
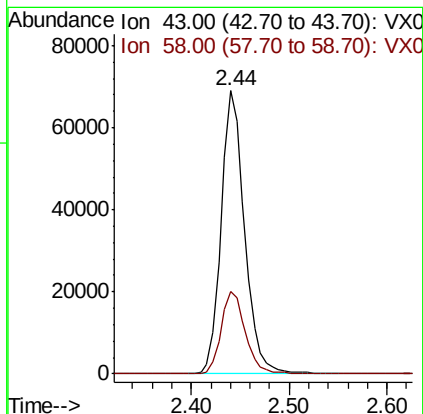
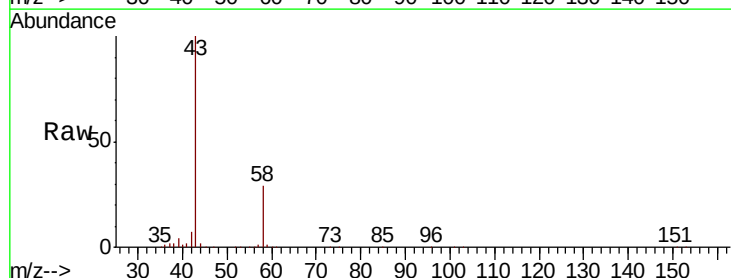
Acq: 14 May 2019 16:03

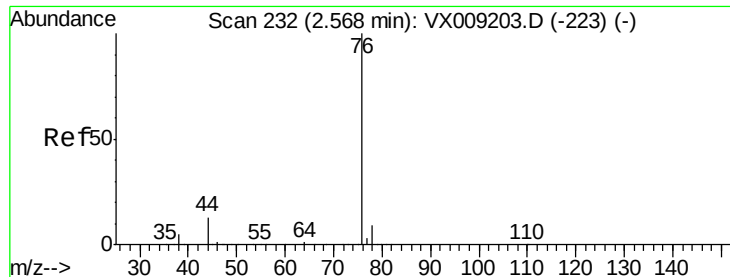
Tgt Ion: 43 Resp: 113617

Ion Ratio Lower Upper

43 100

58 29.2 24.9 37.3

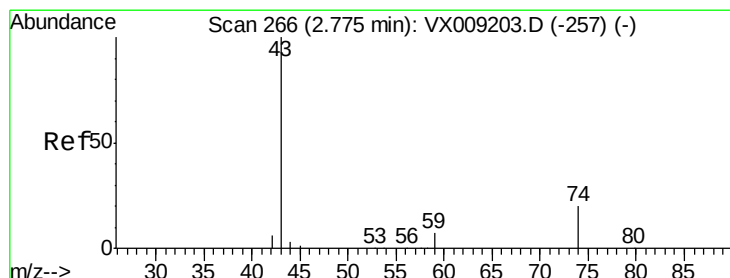
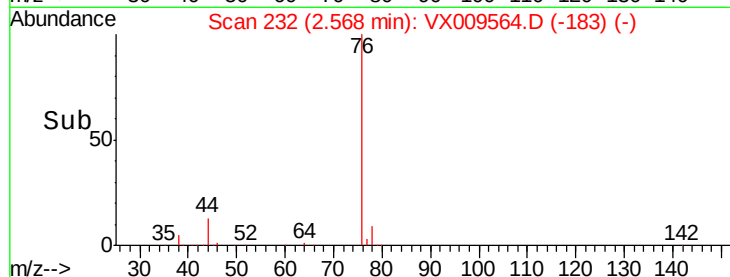
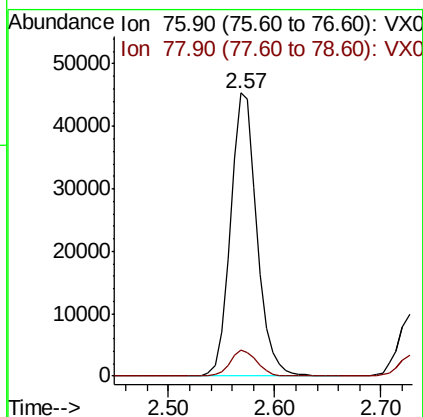
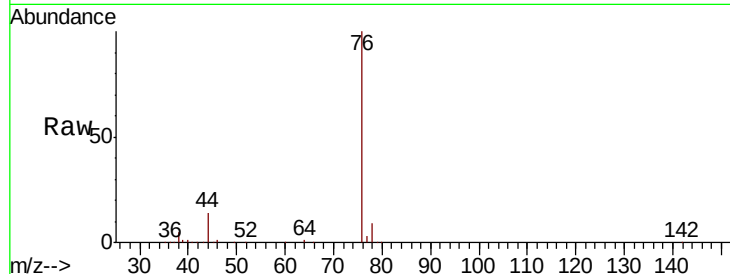




#17
Carbon Disulfide
Concen: 18.856 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX009564.D
Acq: 14 May 2019 16:03

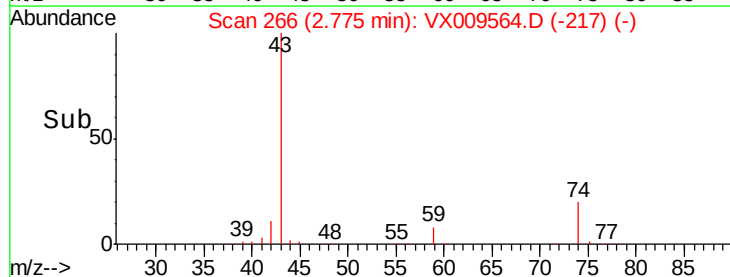
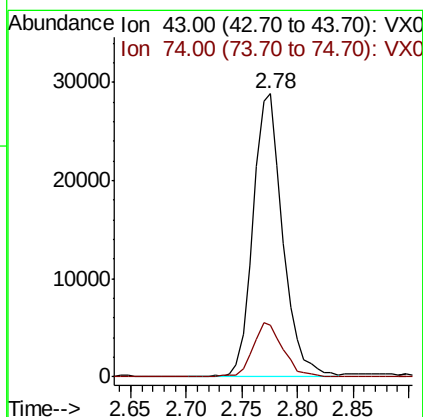
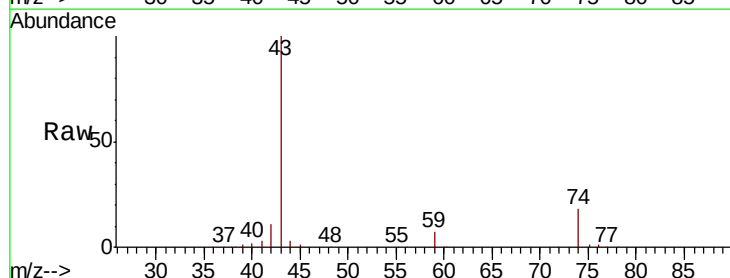
Instrument :
MSVOA_X
ClientSampleId :
VX0514WBSD01

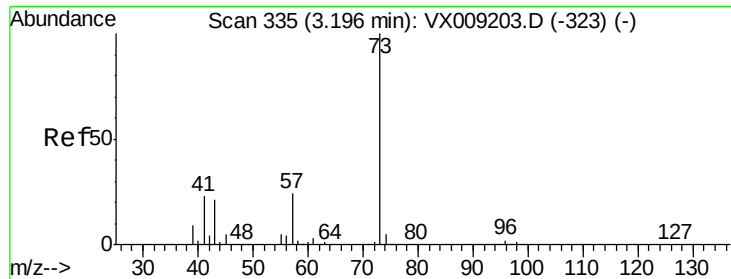
Tot Ion: 76 Resp: 78661
Ion Ratio Lower Upper
76 100
78 9.3 7.4 11.0



#18
Methyl Acetate
Concen: 19.490 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.00 min
Lab File: VX009564.D
Acq: 14 May 2019 16:03

Tgt Ion: 43 Resp: 53805
Ion Ratio Lower Upper
43 100
74 19.4 16.2 24.4



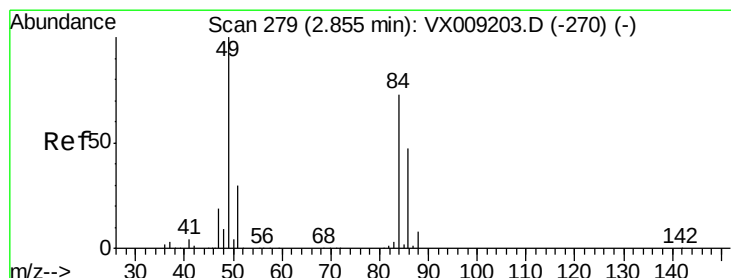
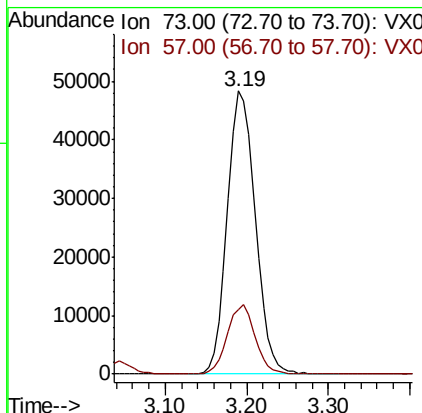
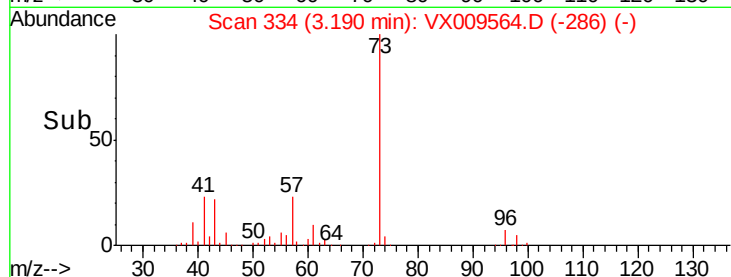
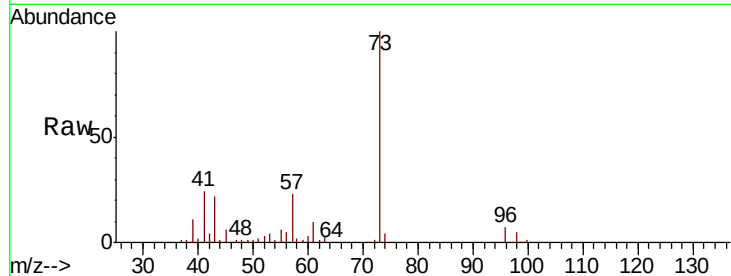


#19

Methyl tert-butyl Ether
 Concen: 19.917 ug/l
 RT: 3.19 min Scan# 334
 Delta R.T. -0.01 min
 Lab File: VX009564.D
 Acq: 14 May 2019 16:03

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0514WBSD01

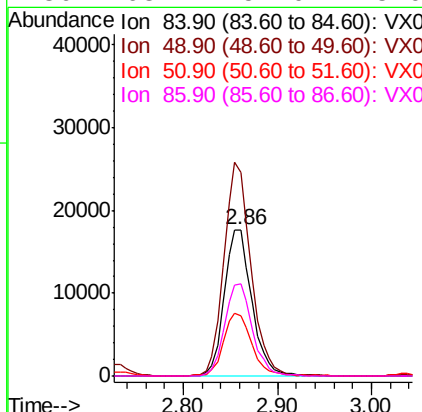
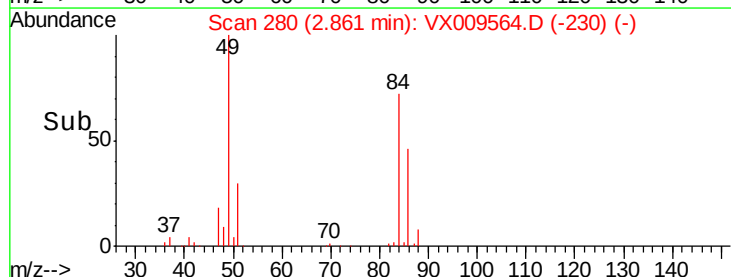
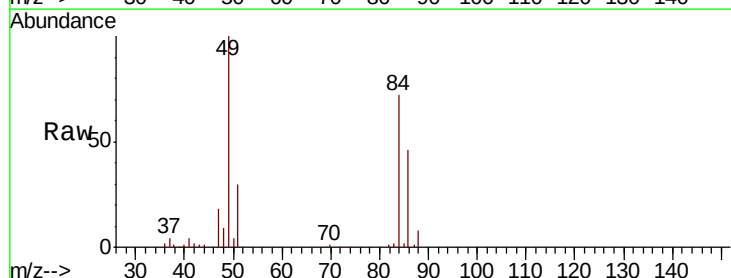
Tot Ion: 73 Resp: 114923
 Ion Ratio Lower Upper
 73 100
 57 22.9 19.3 28.9

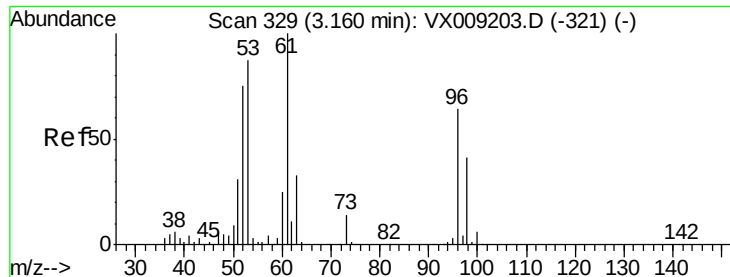


#20

Methylene Chloride
 Concen: 19.032 ug/l
 RT: 2.86 min Scan# 280
 Delta R.T. 0.01 min
 Lab File: VX009564.D
 Acq: 14 May 2019 16:03

Tgt Ion: 84 Resp: 35772
 Ion Ratio Lower Upper
 84 100
 49 138.8 109.9 164.9
 51 41.0 32.7 49.1
 86 63.2 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 19.635 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX009564.D

Acq: 14 May 2019 16:03

Instrument :

MSVOA_X

ClientSampleId :

VX0514WBSD01

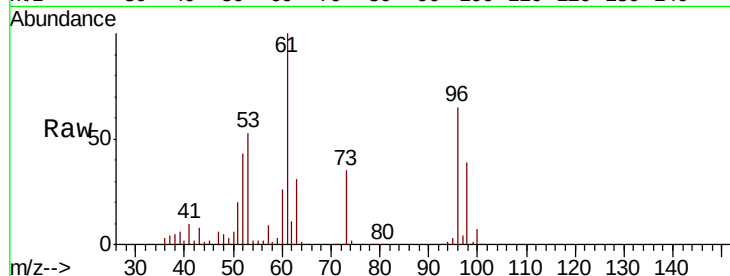
Tot Ion: 96 Resp: 31641

Ion Ratio Lower Upper

96 100

61 154.5 124.5 186.7

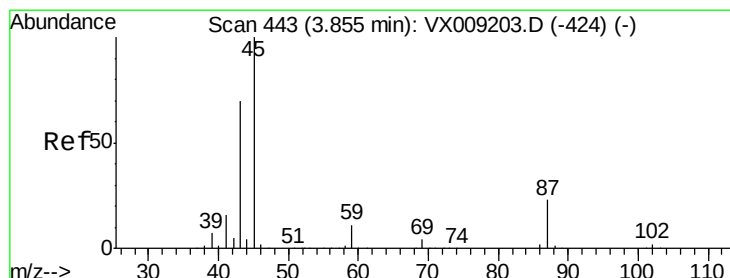
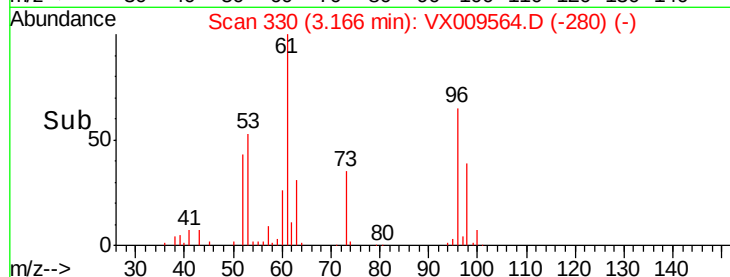
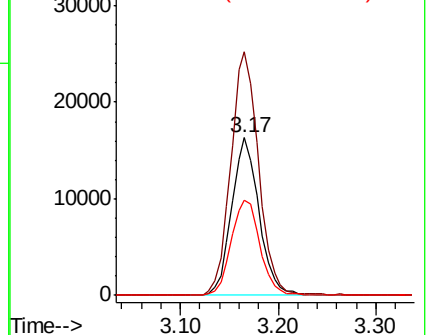
98 60.6 50.4 75.6



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



#22

Diisopropyl ether

Concen: 20.036 ug/l

RT: 3.85 min Scan# 443

Delta R.T. -0.00 min

Lab File: VX009564.D

Acq: 14 May 2019 16:03

Tgt Ion: 45 Resp: 139527

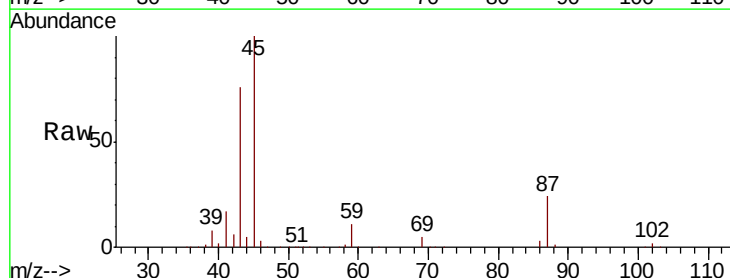
Ion Ratio Lower Upper

45 100

43 75.4 56.1 84.1

87 23.7 18.1 27.1

59 10.6 8.5 12.7

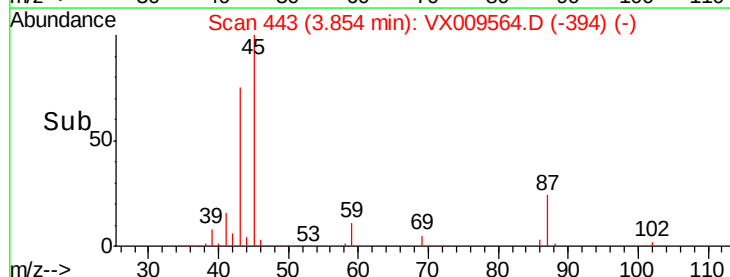
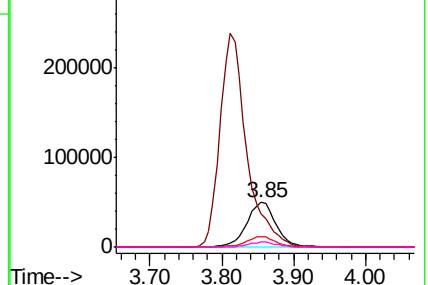


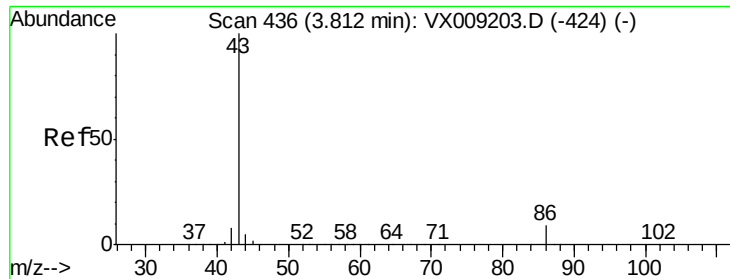
Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 103.170 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.00 min

Lab File: VX009564.D

Acq: 14 May 2019 16:03

Instrument :

MSVOA_X

ClientSampleID :

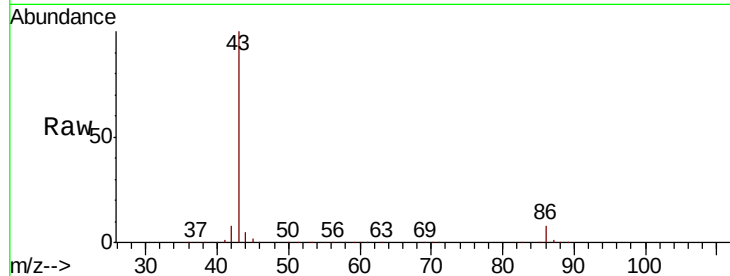
VX0514WBSD01

Tot Ion: 43 Resp: 615228

Ion Ratio Lower Upper

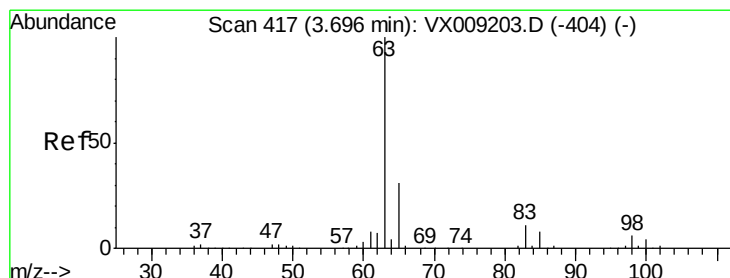
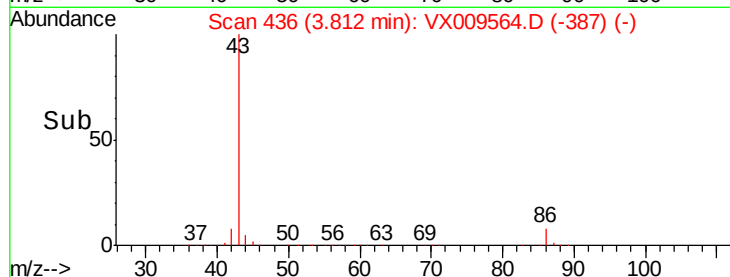
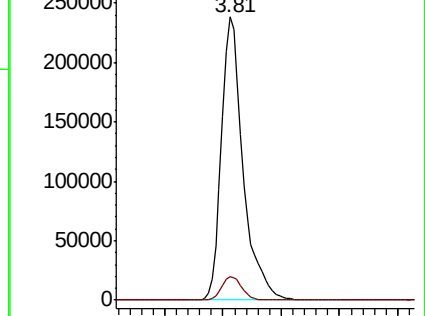
43 100

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: 19.617 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX009564.D

Acq: 14 May 2019 16:03

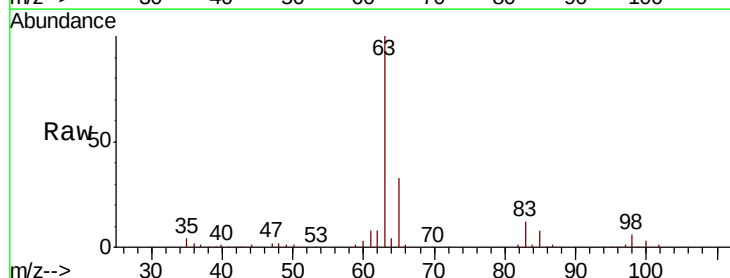
Tgt Ion: 63 Resp: 67391

Ion Ratio Lower Upper

63 100

98 5.7 3.0 9.2

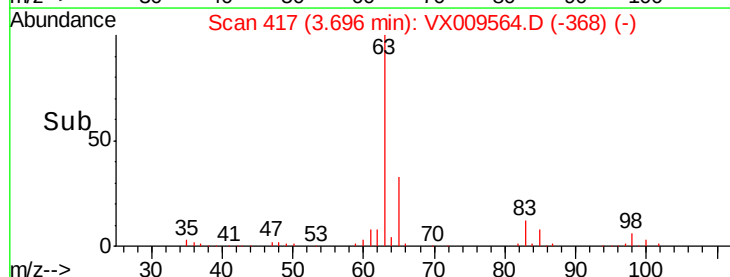
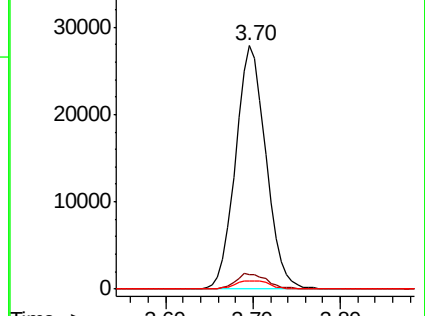
100 3.4 2.0 6.0

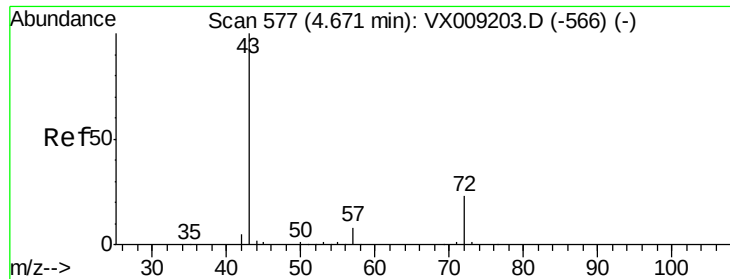


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 98.983 ug/l

RT: 4.67 min Scan# 577

Delta R.T. -0.00 min

Lab File: VX009564.D

Acq: 14 May 2019 16:03

Instrument :

MSVOA_X

ClientSampleId :

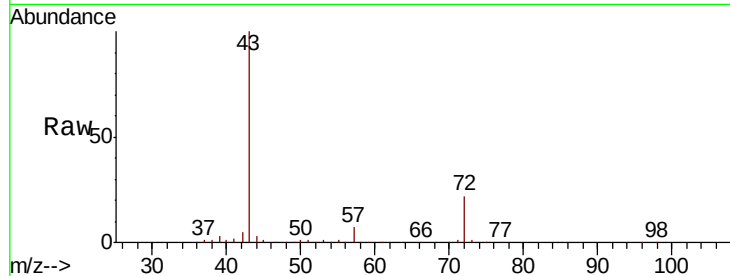
VX0514WBSD01

Tot Ion: 43 Resp: 178554

Ion Ratio Lower Upper

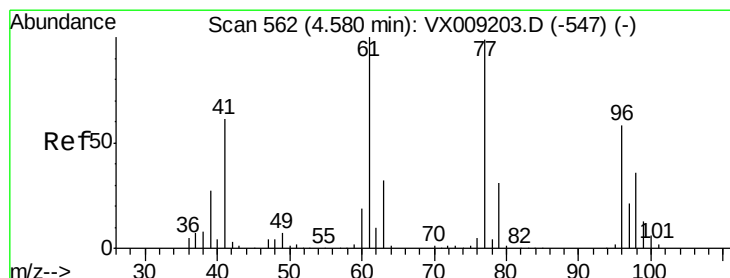
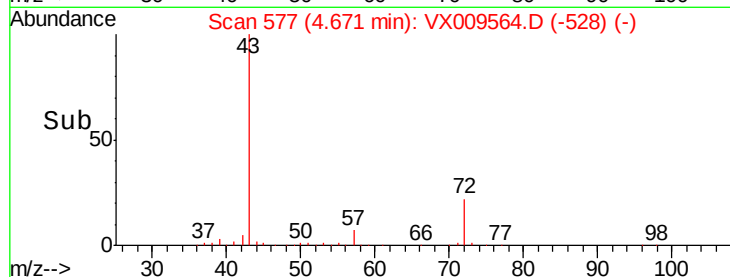
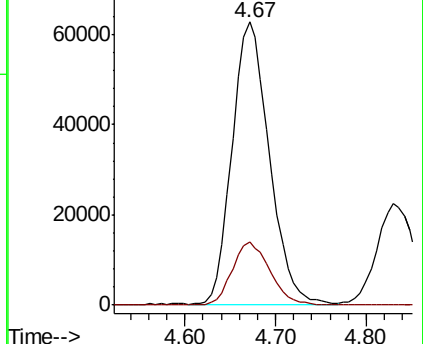
43 100

72 21.9 18.2 27.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 19.437 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX009564.D

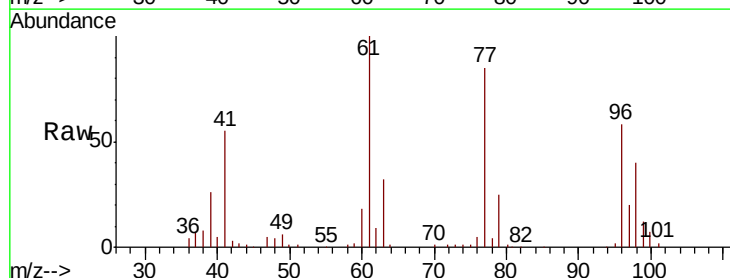
Acq: 14 May 2019 16:03

Tgt Ion: 77 Resp: 49703

Ion Ratio Lower Upper

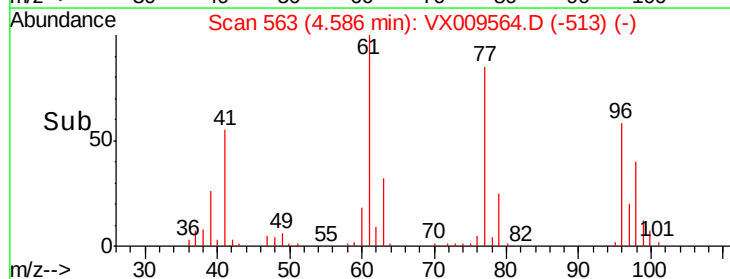
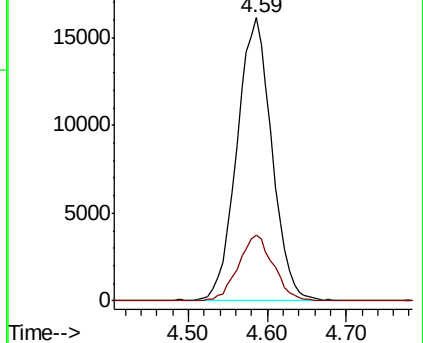
77 100

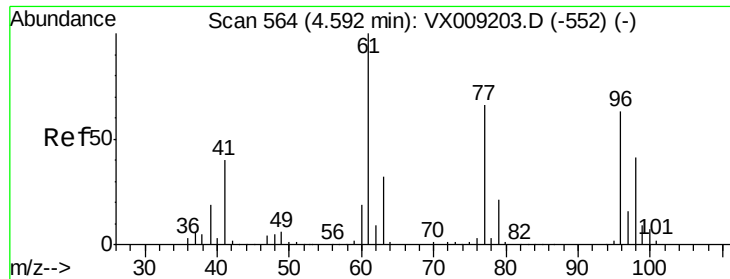
97 23.1 11.5 34.4



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



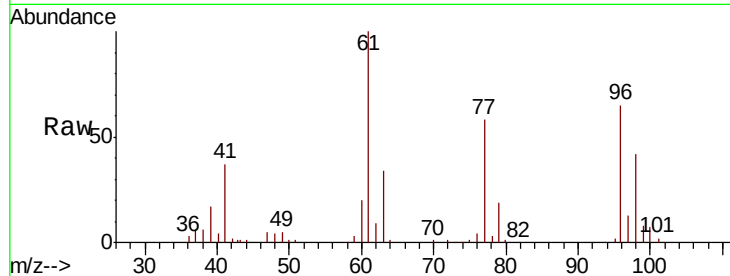


#27

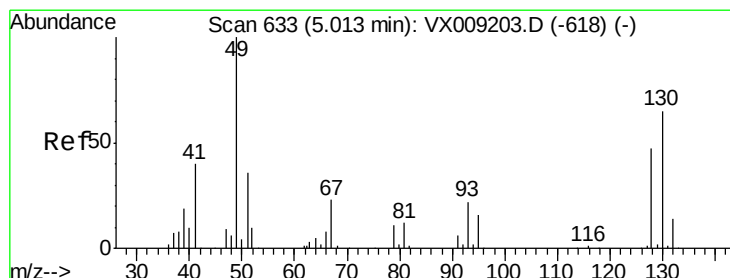
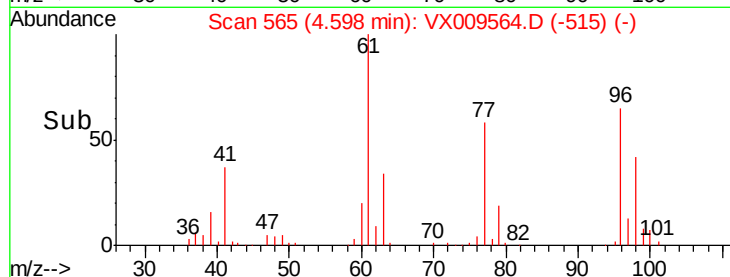
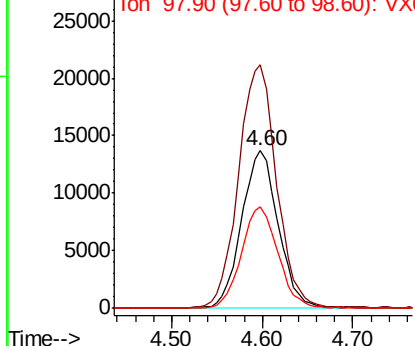
cis-1,2-Dichloroethene
Concen: 19.908 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.01 min
Lab File: VX009564.D
Acq: 14 May 2019 16:03

Instrument :
MSVOA_X
ClientSampleId :
VX0514WBSD01

Tot Ion: 96 Resp: 38292
Ion Ratio Lower Upper
96 100
61 161.2 0.0 324.0
98 64.0 0.0 130.4



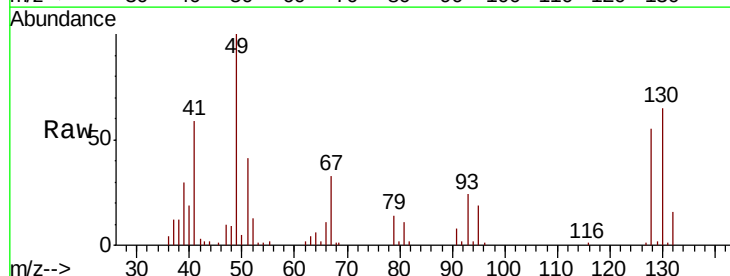
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



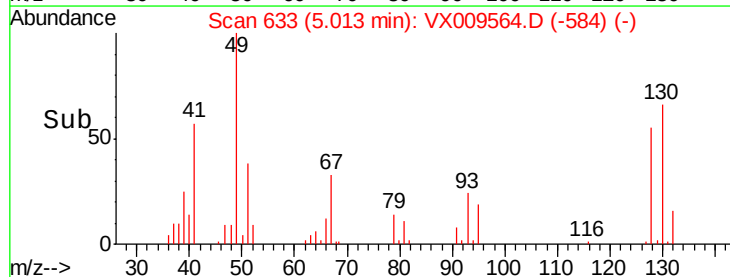
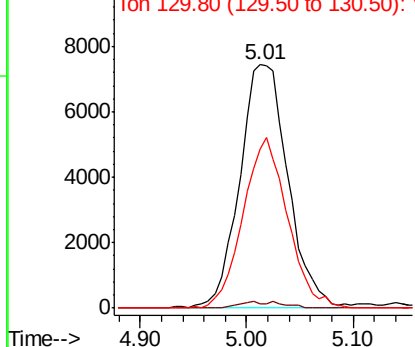
#28

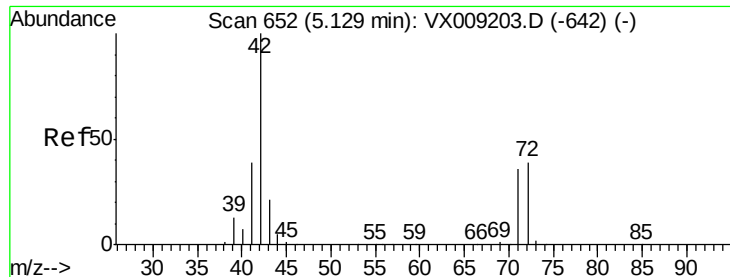
Bromochloromethane
Concen: 15.116 ug/l
RT: 5.01 min Scan# 633
Delta R.T. 0.00 min
Lab File: VX009564.D
Acq: 14 May 2019 16:03

Tgt Ion: 49 Resp: 23548
Ion Ratio Lower Upper
49 100
129 1.2 0.0 3.8
130 64.8 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

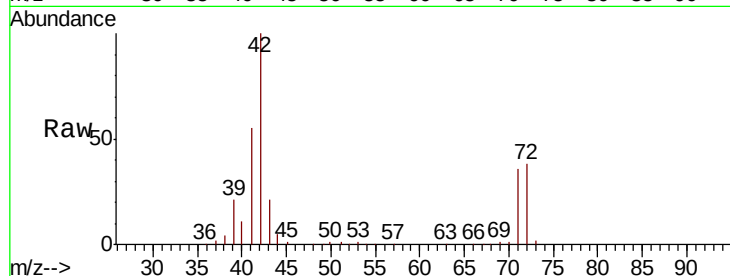




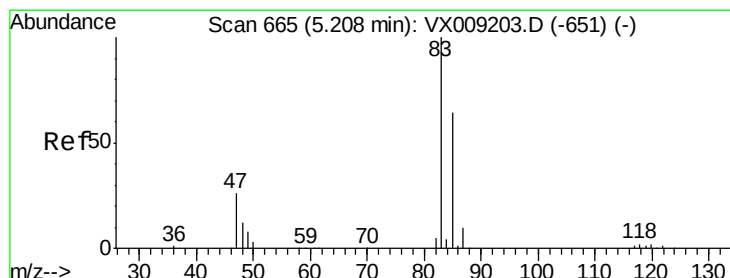
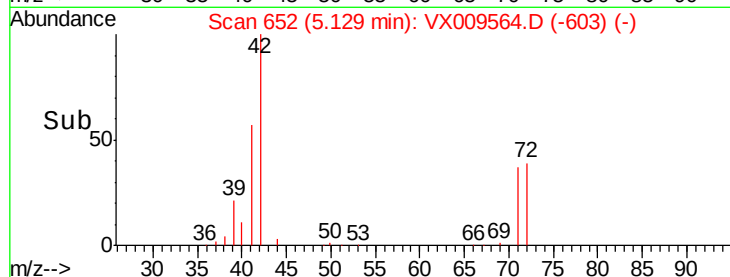
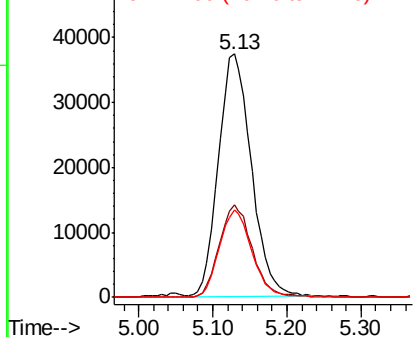
#29
Tetrahydrofuran
Concen: 99.424 ug/l
RT: 5.13 min Scan# 652
Delta R.T. -0.00 min
Lab File: VX009564.D
Acq: 14 May 2019 16:03

Instrument :
MSVOA_X
ClientSampleId :
VX0514WBSD01

Tot Ion: 42 Resp: 115411
Ion Ratio Lower Upper
42 100
72 38.0 30.4 45.6
71 35.7 28.6 43.0

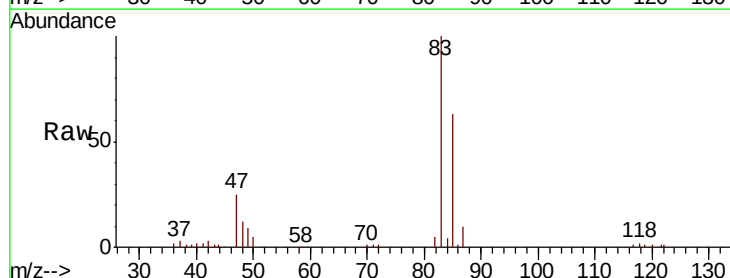


Abundance Ion 42.00 (41.70 to 42.70): VX0
Ion 72.00 (71.70 to 72.70): VX0
Ion 71.00 (70.70 to 71.70): VX0

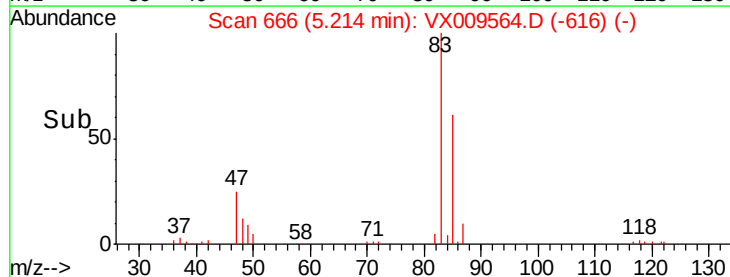
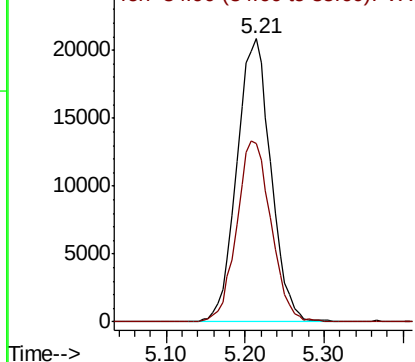


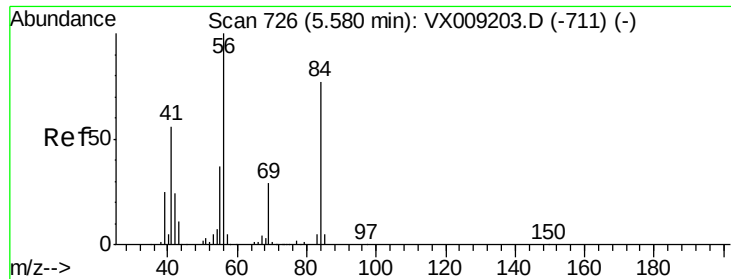
#30
Chloroform
Concen: 20.170 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.01 min
Lab File: VX009564.D
Acq: 14 May 2019 16:03

Tgt Ion: 83 Resp: 62671
Ion Ratio Lower Upper
83 100
85 62.9 51.5 77.3



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0

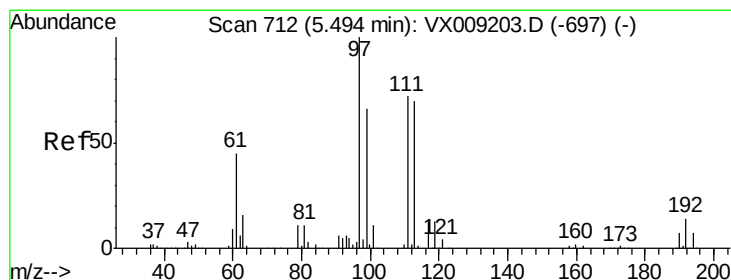
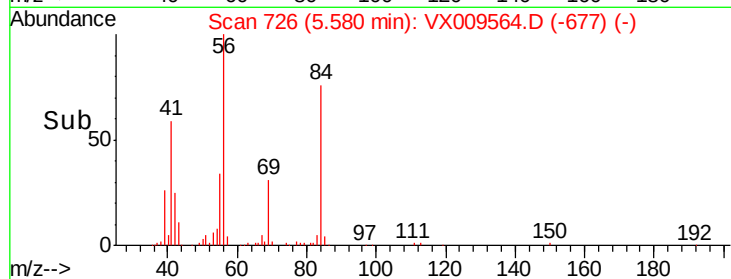
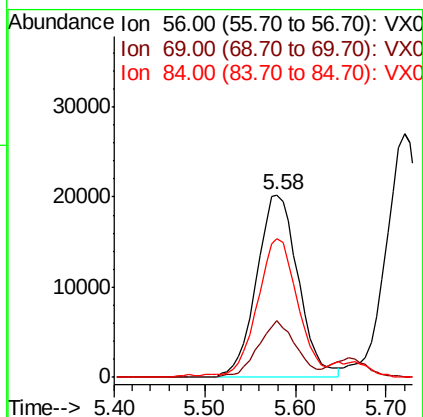
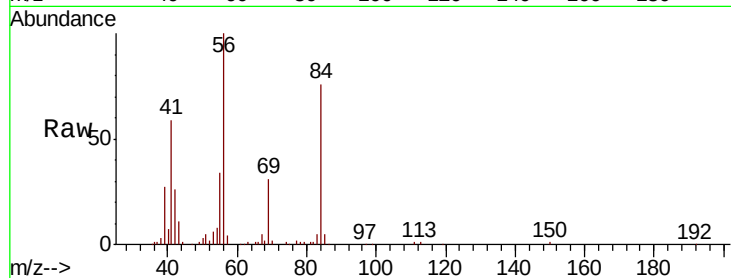




#31
Cyclohexane
Concen: 20.131 ug/l
RT: 5.58 min Scan# 726
Delta R.T. -0.00 min
Lab File: VX009564.D
Acq: 14 May 2019 16:03

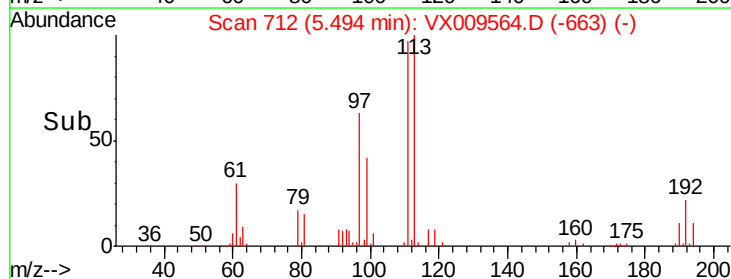
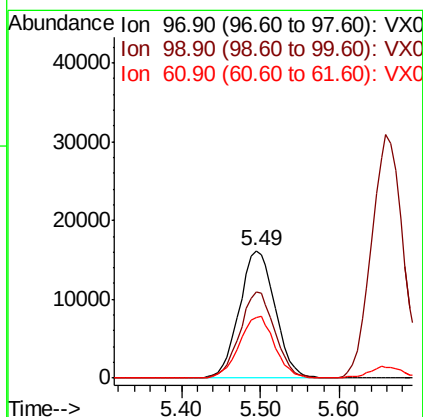
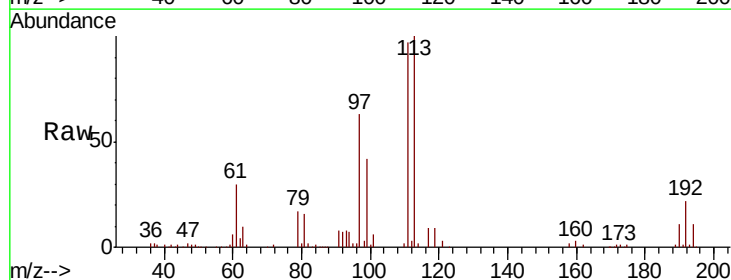
Instrument :
MSVOA_X
ClientSampled :
VX0514WBSD01

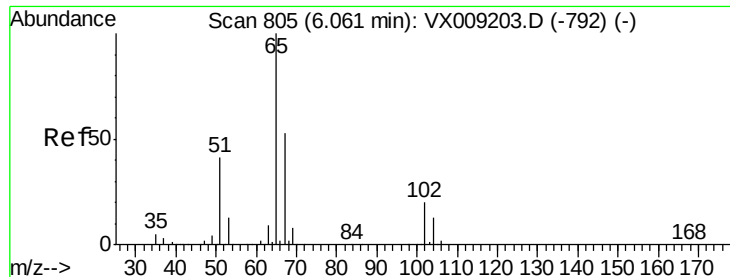
Tot Ion: 56 Resp: 64343
Ion Ratio Lower Upper
56 100
69 31.2 23.4 35.0
84 74.1 61.9 92.9



#32
1,1,1-Trichloroethane
Concen: 19.672 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.00 min
Lab File: VX009564.D
Acq: 14 May 2019 16:03

Tgt Ion: 97 Resp: 50882
Ion Ratio Lower Upper
97 100
99 65.6 51.8 77.8
61 48.0 37.8 56.8

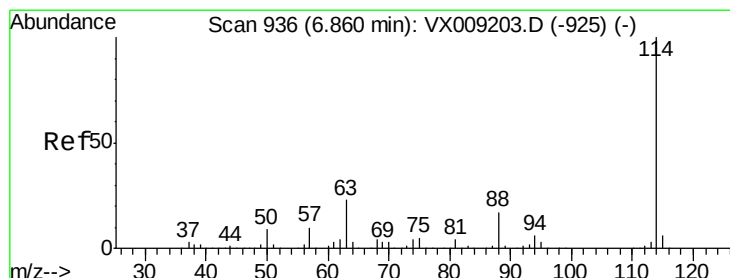
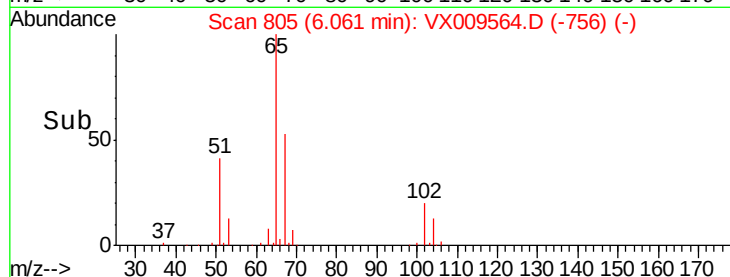
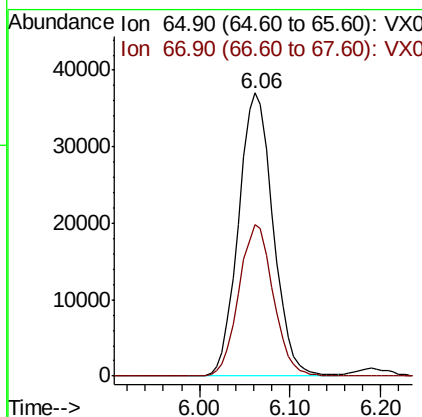
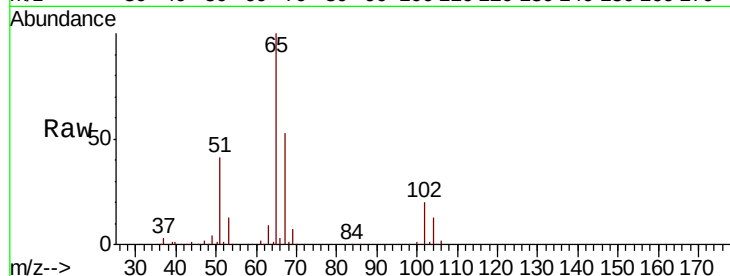




#33
 1,2-Dichloroethane-d4
 Concen: 45.236 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX009564.D
 Acq: 14 May 2019 16:03

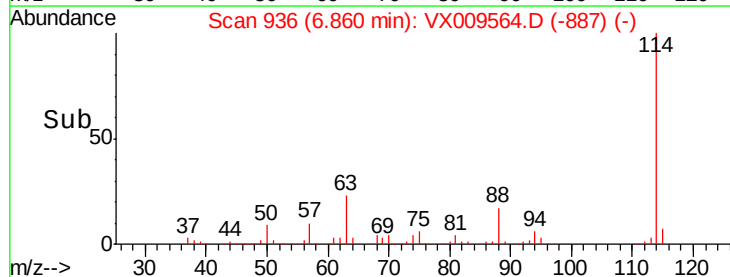
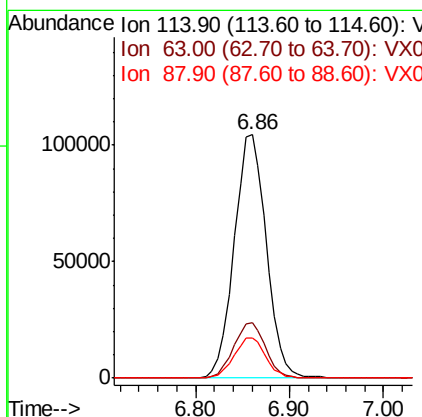
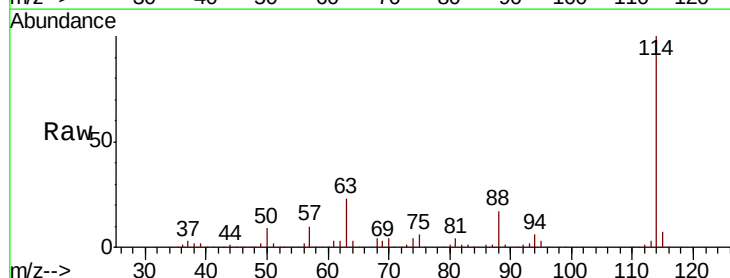
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0514WBSD01

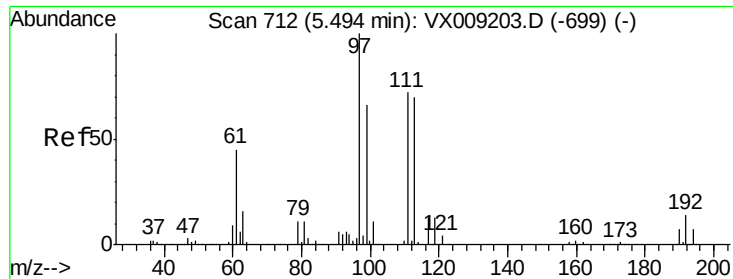
Tot Ion: 65 Resp: 97794
 Ion Ratio Lower Upper
 65 100
 67 53.2 0.0 106.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX009564.D
 Acq: 14 May 2019 16:03

Tgt Ion: 114 Resp: 249014
 Ion Ratio Lower Upper
 114 100
 63 22.5 0.0 45.6
 88 16.6 0.0 33.2

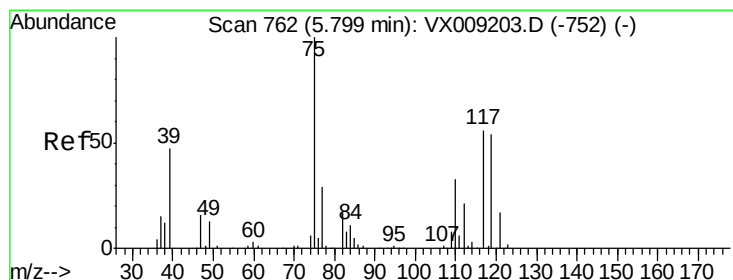
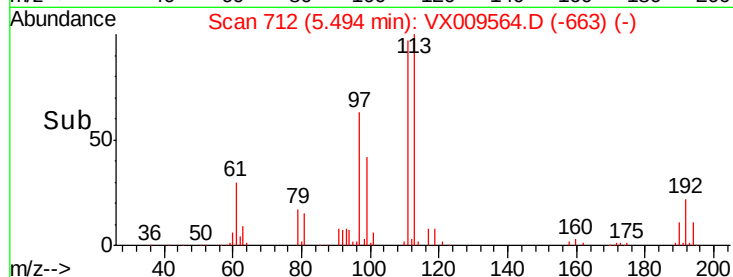
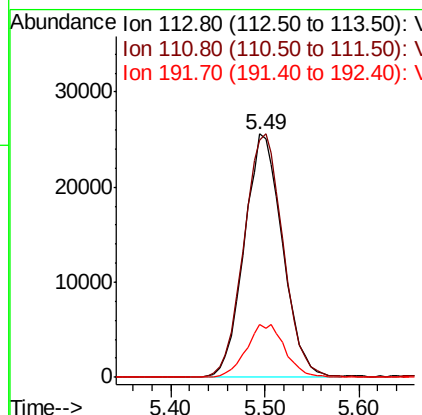
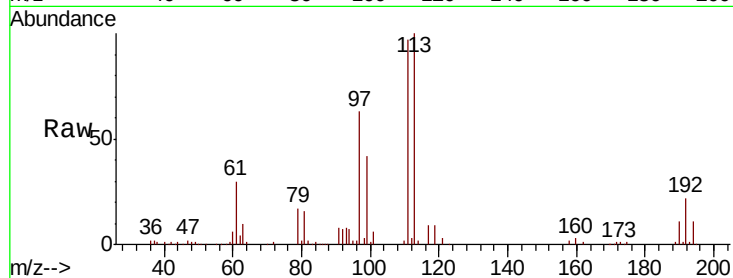




#35
 Dibromofluoromethane
 Concen: 46.623 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. -0.00 min
 Lab File: VX009564.D
 Acq: 14 May 2019 16:03

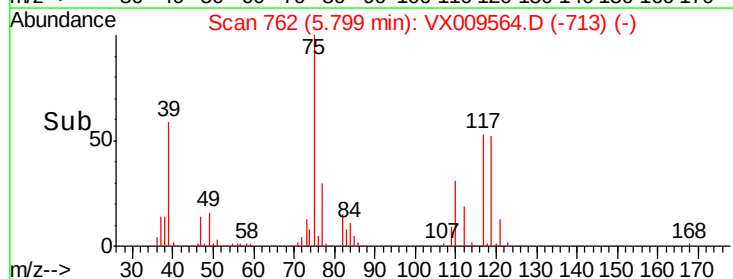
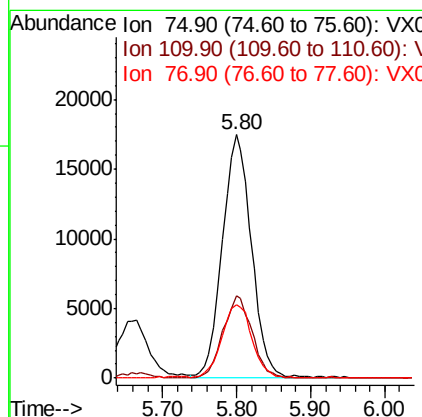
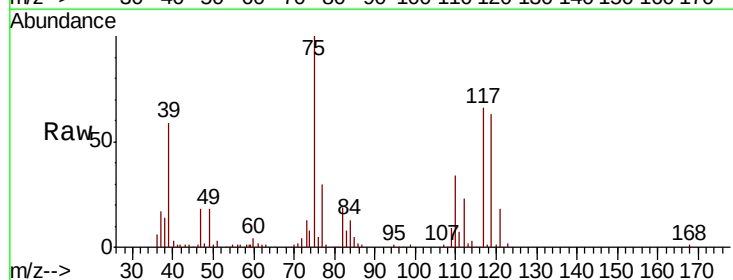
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0514WBSD01

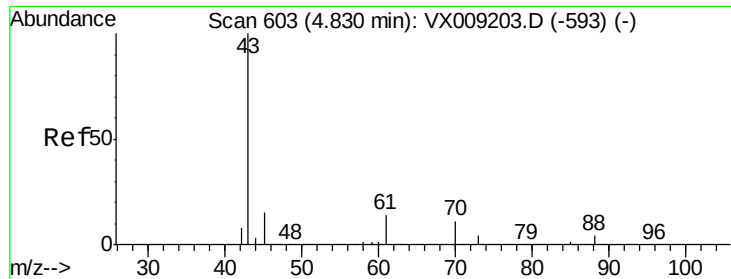
Tot Ion:113 Resp: 72983
 Ion Ratio Lower Upper
 113 100
 111 102.4 82.8 124.2
 192 21.9 17.0 25.6



#36
 1,1-Dichloropropene
 Concen: 20.634 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: VX009564.D
 Acq: 14 May 2019 16:03

Tgt Ion: 75 Resp: 47750
 Ion Ratio Lower Upper
 75 100
 110 33.5 16.9 50.6
 77 31.3 24.8 37.2

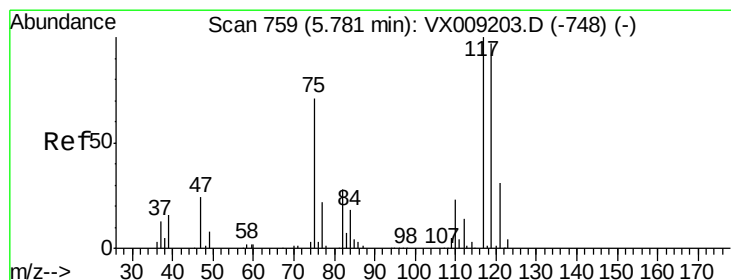
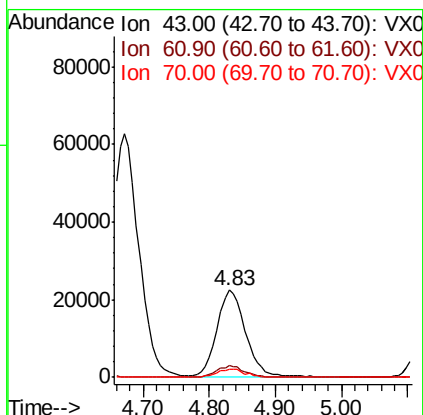
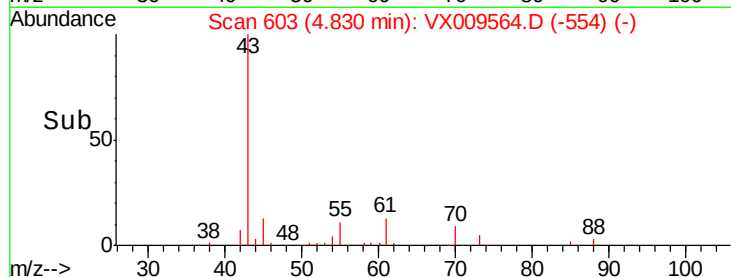
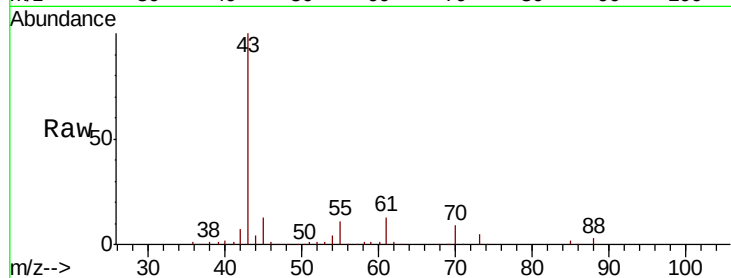




#37
Ethyl Acetate
Concen: 20.906 ug/l
RT: 4.83 min Scan# 603
Delta R.T. -0.00 min
Lab File: VX009564.D
Acq: 14 May 2019 16:03

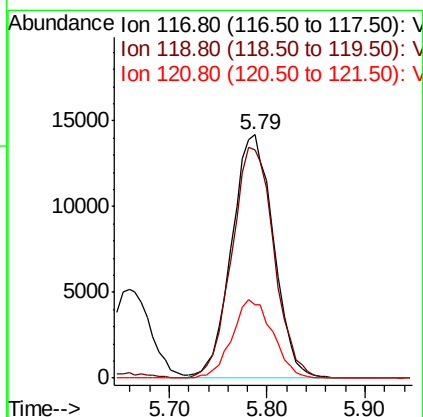
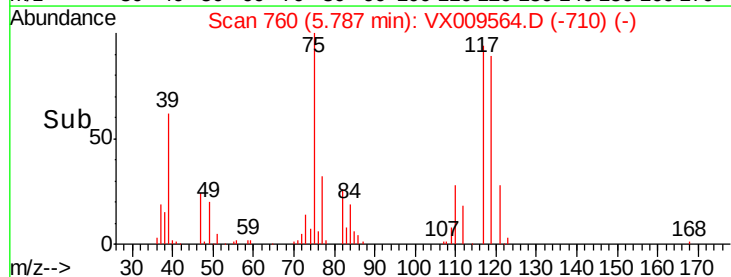
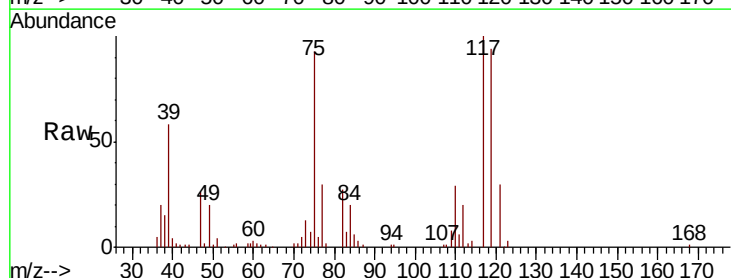
Instrument :
MSVOA_X
ClientSampleId :
VX0514WBSD01

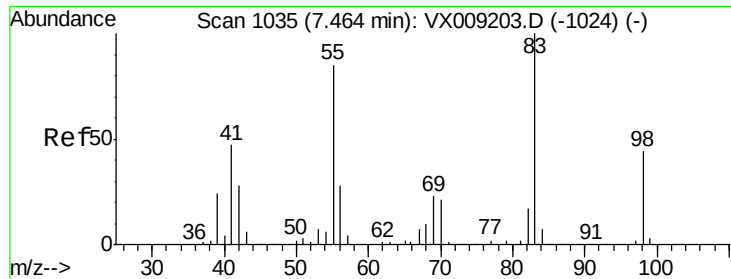
Tot Ion: 43 Resp: 67406
Ion Ratio Lower Upper
43 100
61 13.3 10.5 15.7
70 9.4 7.9 11.9



#38
Carbon Tetrachloride
Concen: 20.022 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.01 min
Lab File: VX009564.D
Acq: 14 May 2019 16:03

Tgt Ion: 117 Resp: 42096
Ion Ratio Lower Upper
117 100
119 93.5 77.5 116.3
121 30.3 24.7 37.1

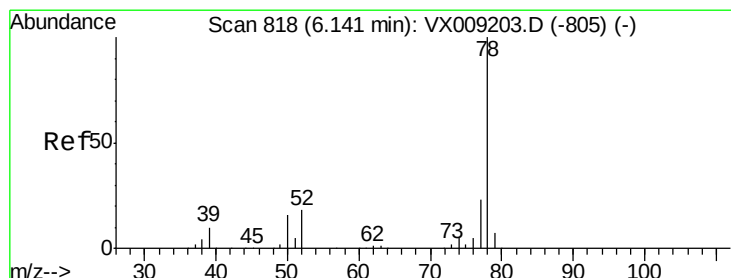
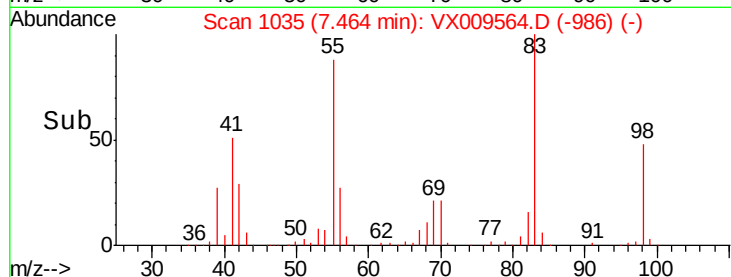
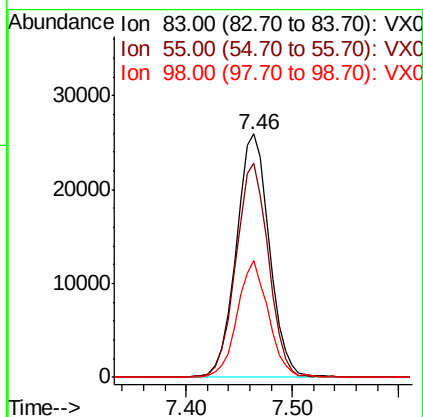
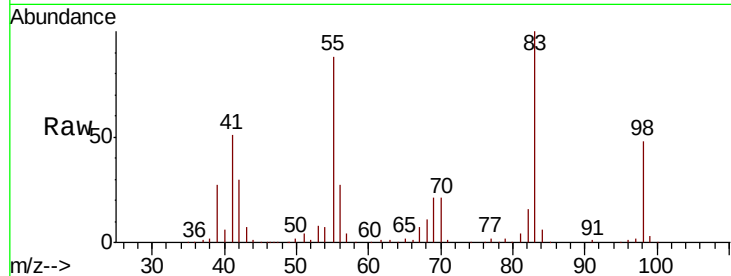




#39
Methylvlcyclohexane
Concen: 19.920 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX009564.D
Acq: 14 May 2019 16:03

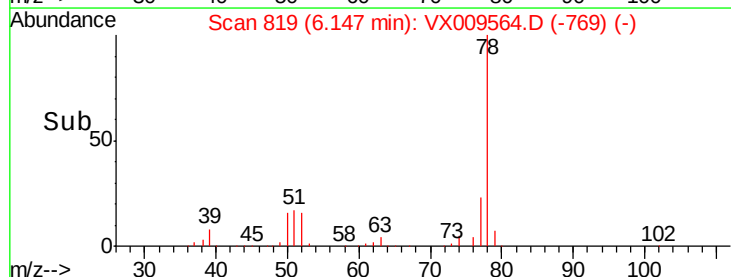
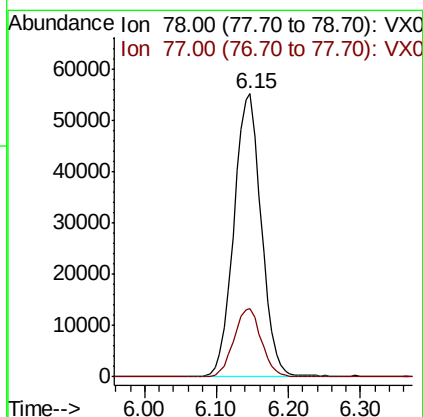
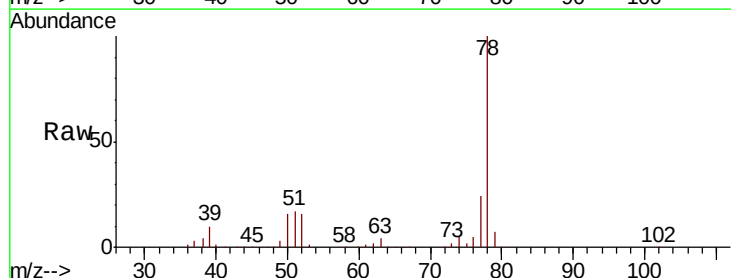
Instrument :
MSVOA_X
ClientSampleId :
VX0514WBSD01

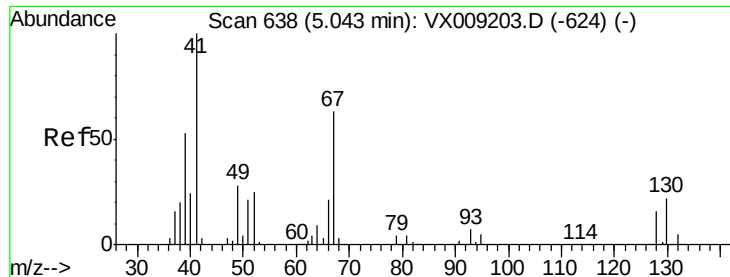
Tot Ion: 83 Resp: 56611
Ion Ratio Lower Upper
83 100
55 88.2 67.7 101.5
98 48.1 35.5 53.3



#40
Benzene
Concen: 20.436 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX009564.D
Acq: 14 May 2019 16:03

Tgt Ion: 78 Resp: 146356
Ion Ratio Lower Upper
78 100
77 24.3 18.8 28.2





#41

Methacrylonitrile

Concen: 19.446 ug/l

RT: 5.04 min Scan# 638

Delta R.T. -0.00 min

Lab File: VX009564.D

Acq: 14 May 2019 16:03

Instrument :

MSVOA_X

ClientSampleID :

VX0514WBSD01

Tot Ion: 41 Resp: 37322

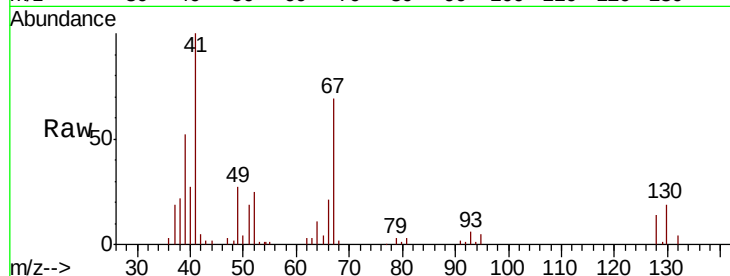
Ion Ratio Lower Upper

41 100

39 53.8 42.0 63.0

67 64.9 49.8 74.8

52 26.5 20.3 30.5

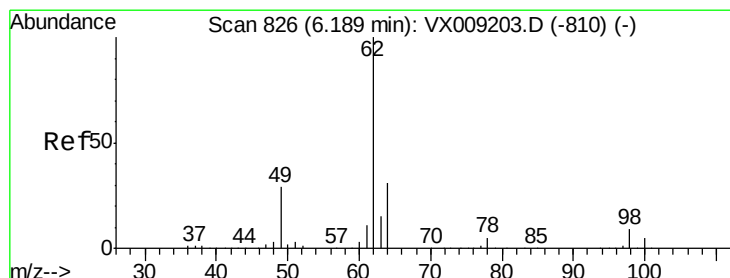
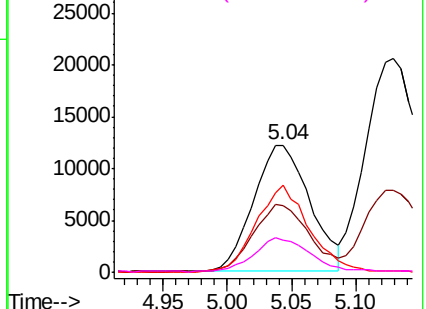
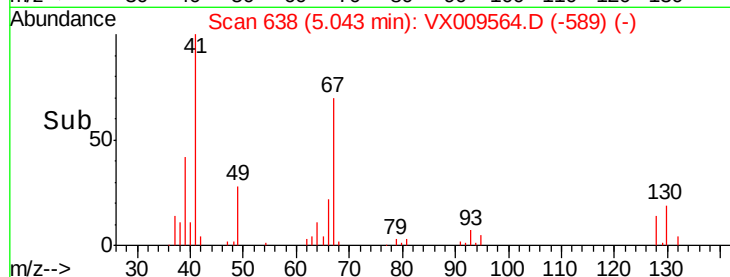


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 20.861 ug/l

RT: 6.19 min Scan# 826

Delta R.T. -0.00 min

Lab File: VX009564.D

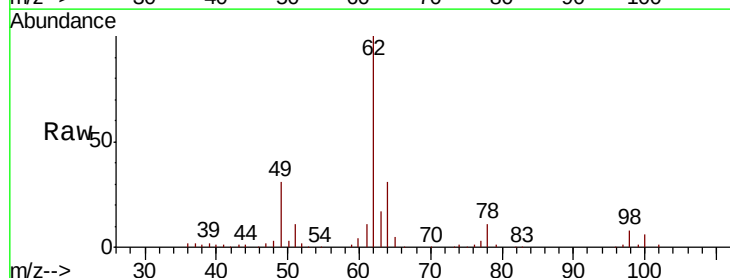
Acq: 14 May 2019 16:03

Tgt Ion: 62 Resp: 53592

Ion Ratio Lower Upper

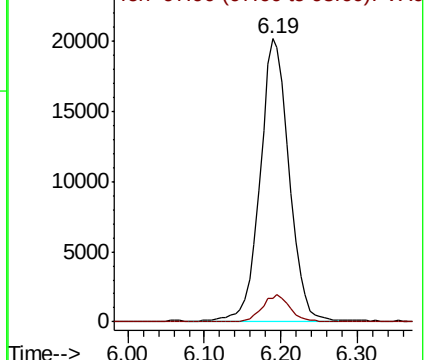
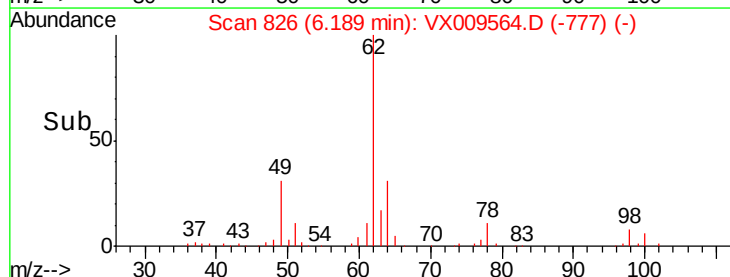
62 100

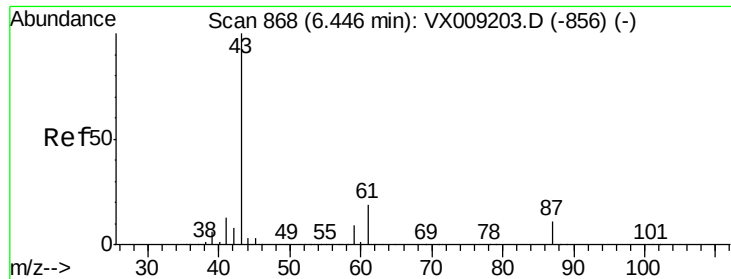
98 9.1 0.0 18.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 20.300 ug/l

RT: 6.44 min Scan# 867

Delta R.T. -0.01 min

Lab File: VX009564.D

Acq: 14 May 2019 16:03

Instrument :

MSVOA_X

ClientSampleId :

VX0514WBSD01

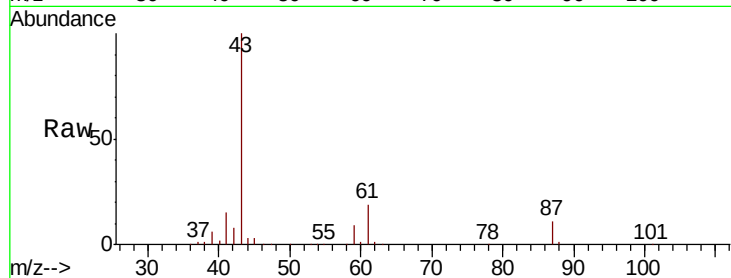
Tot Ion: 43 Resp: 104694

Ion Ratio Lower Upper

43 100

61 18.9 15.1 22.7

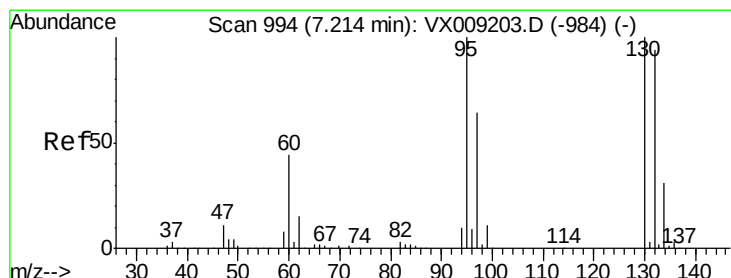
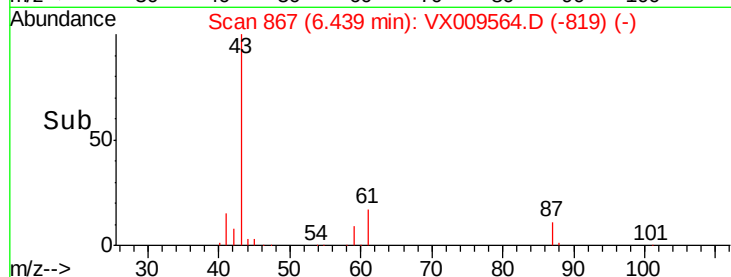
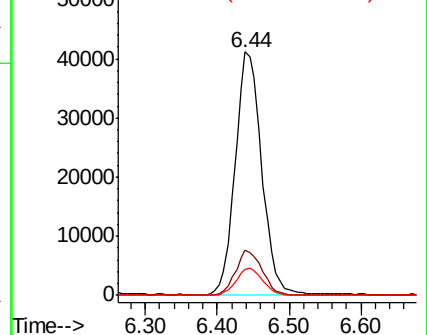
87 11.2 9.0 13.6



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: 19.825 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX009564.D

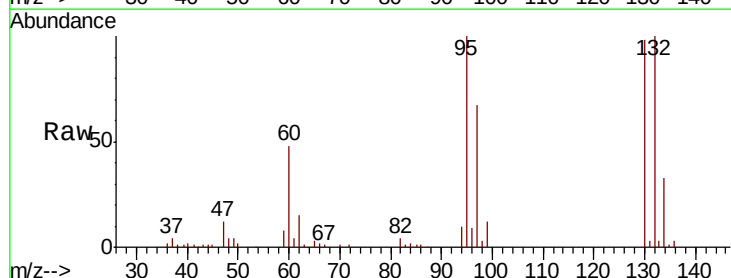
Acq: 14 May 2019 16:03

Tgt Ion:130 Resp: 34325

Ion Ratio Lower Upper

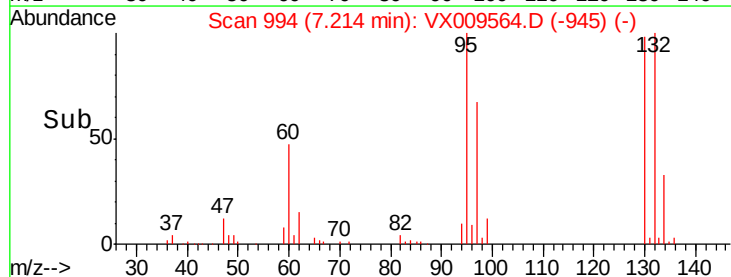
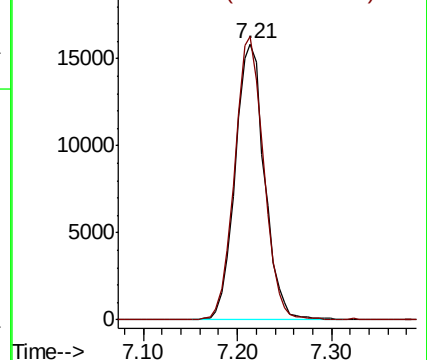
130 100

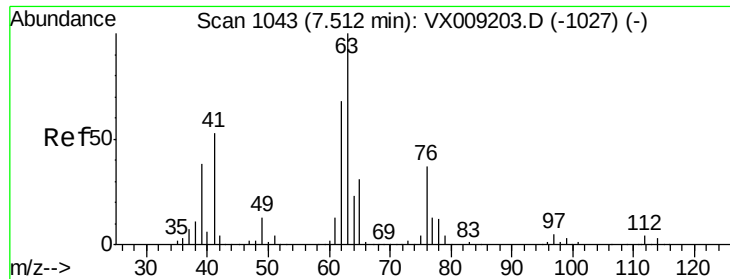
95 102.5 0.0 199.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

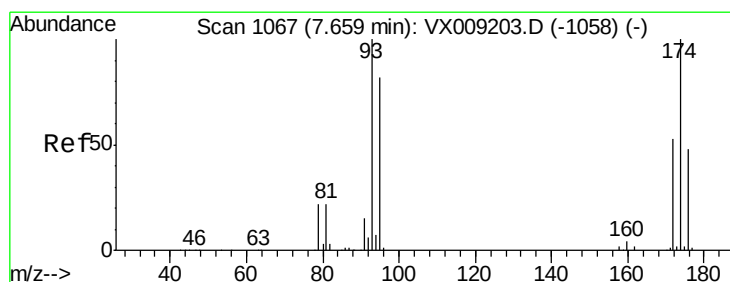
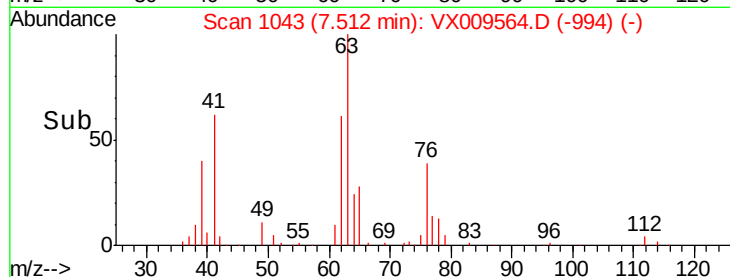
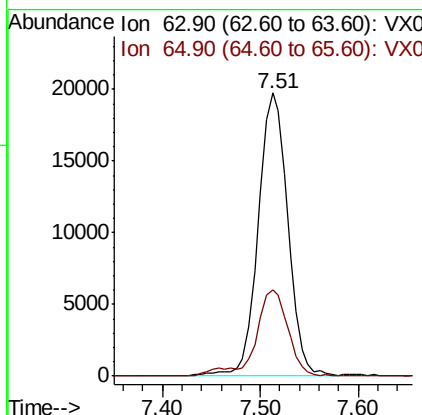
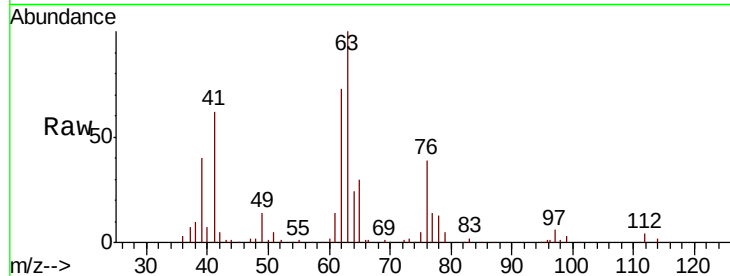




#45
 1,2-Dichloropropane
 Concen: 20.509 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.00 min
 Lab File: VX009564.D
 Acq: 14 May 2019 16:03

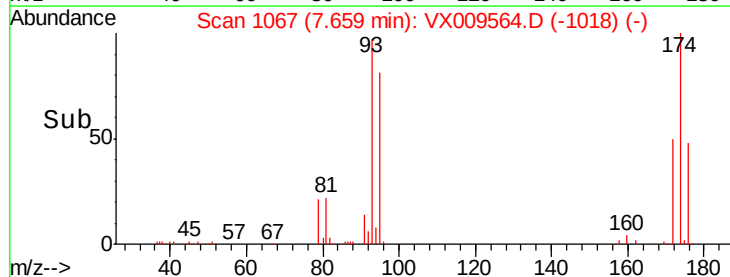
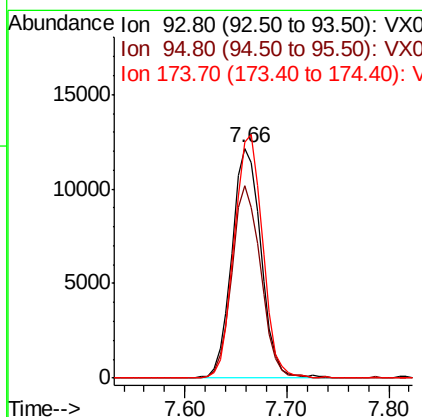
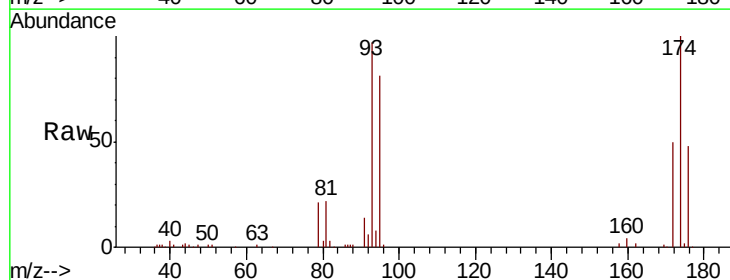
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0514WBSD01

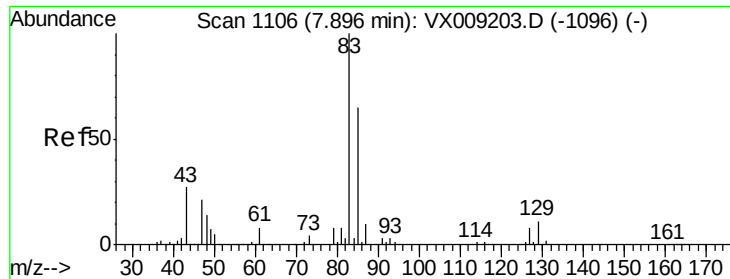
Tot Ion: 63 Resp: 41591
 Ion Ratio Lower Upper
 63 100
 65 30.3 25.0 37.6



#46
 Dibromomethane
 Concen: 20.393 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VX009564.D
 Acq: 14 May 2019 16:03

Tgt Ion: 93 Resp: 24016
 Ion Ratio Lower Upper
 93 100
 95 82.2 66.5 99.7
 174 103.3 82.1 123.1





#47

Bromodichloromethane

Concen: 20.089 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX009564.D

Acq: 14 May 2019 16:03

Instrument :

MSVOA_X

ClientSampleId :

VX0514WBSD01

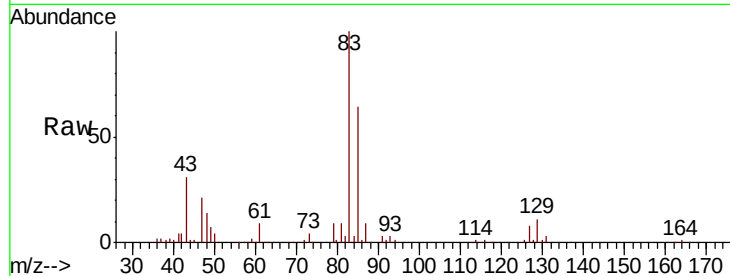
Tot Ion: 83 Resp: 47190

Ion Ratio Lower Upper

83 100

85 64.0 52.4 78.6

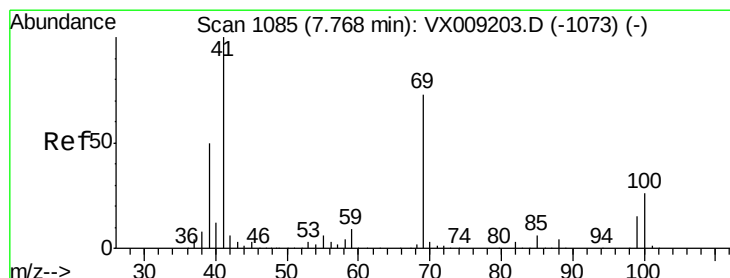
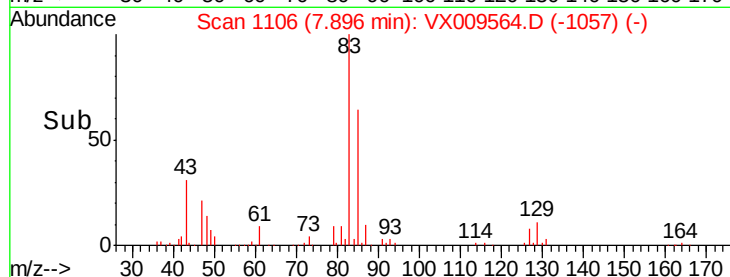
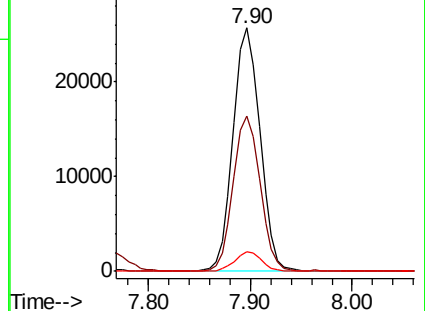
127 8.3 6.6 10.0



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: 20.417 ug/l

RT: 7.77 min Scan# 1085

Delta R.T. -0.00 min

Lab File: VX009564.D

Acq: 14 May 2019 16:03

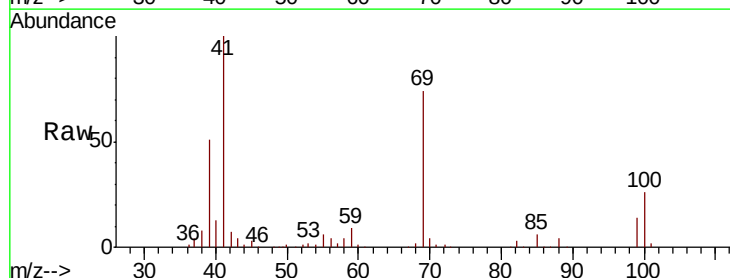
Tgt Ion: 41 Resp: 52242

Ion Ratio Lower Upper

41 100

69 73.5 59.1 88.7

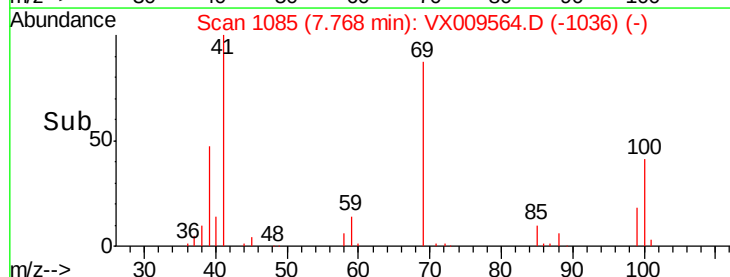
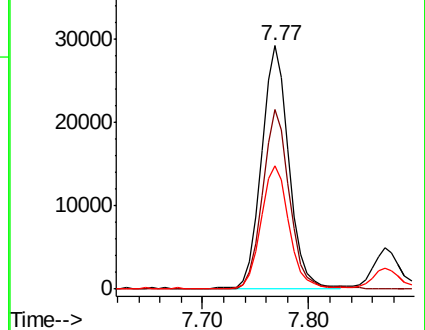
39 51.8 40.4 60.6

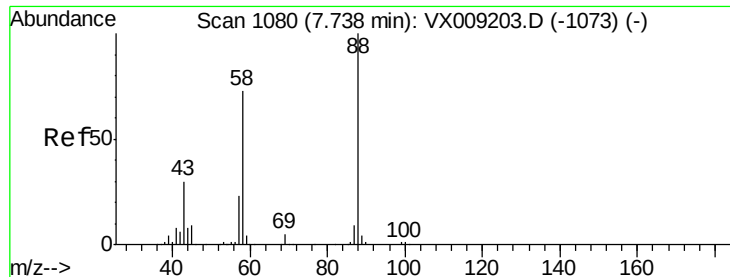


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

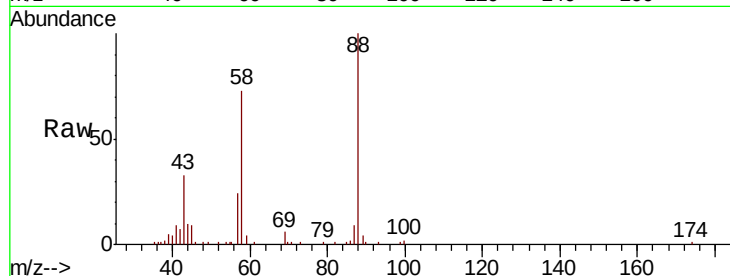




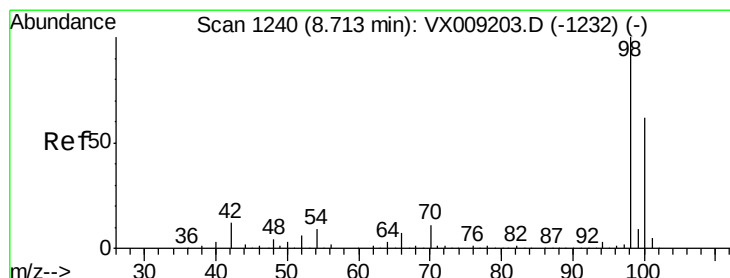
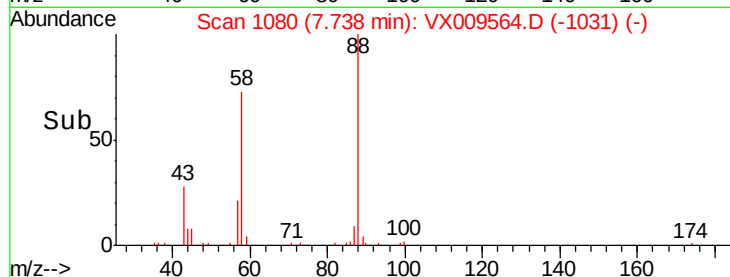
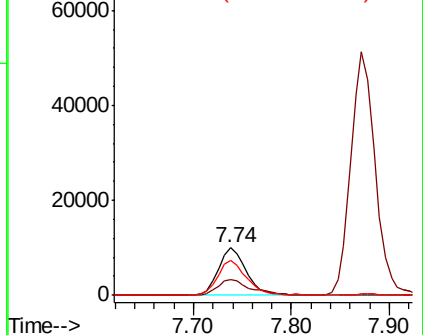
#49
1,4-Dioxane
Concen: 380.863 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. -0.00 min
Lab File: VX009564.D
Acq: 14 May 2019 16:03

Instrument :
MSVOA_X
ClientSampled :
VX0514WBSD01

Tot Ion: 88 Resp: 19763
Ion Ratio Lower Upper
88 100
43 38.7 28.6 42.8
58 77.4 61.7 92.5

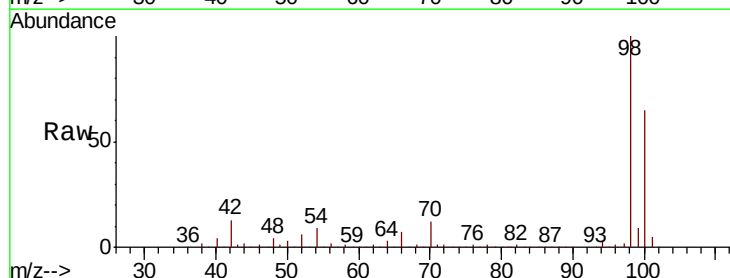


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

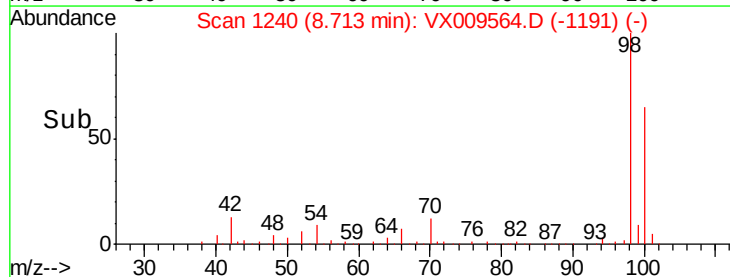
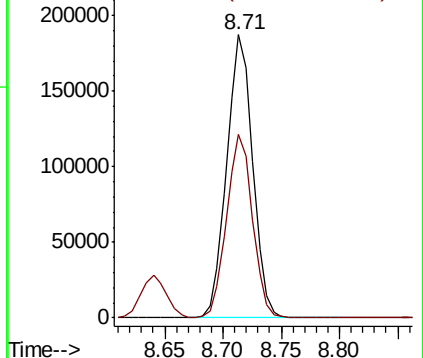


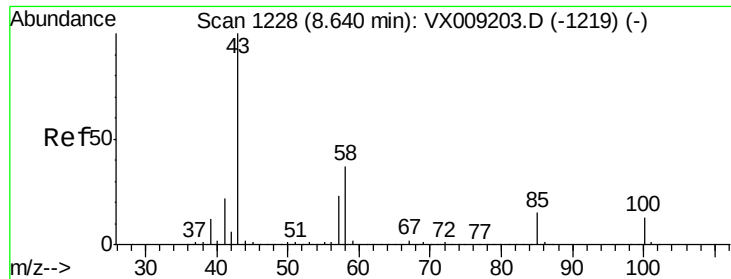
#50
Toluene-d8
Concen: 45.885 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX009564.D
Acq: 14 May 2019 16:03

Tgt Ion: 98 Resp: 289987
Ion Ratio Lower Upper
98 100
100 64.3 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: 101.607 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX009564.D

Acq: 14 May 2019 16:03

Instrument :

MSVOA_X

ClientSampleId :

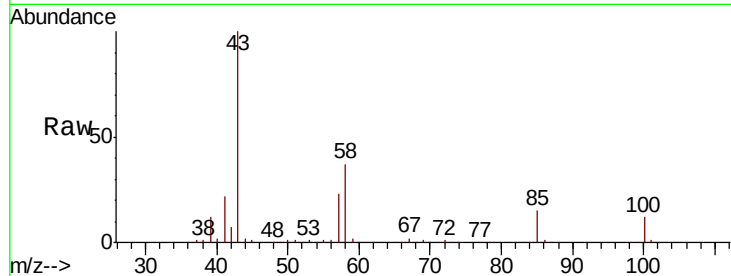
VX0514WBSD01

Tot Ion: 43 Resp: 342513

Ion Ratio Lower Upper

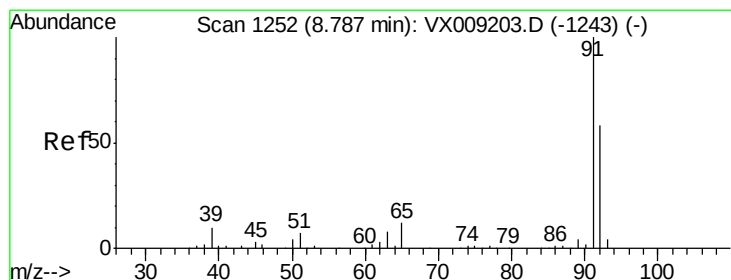
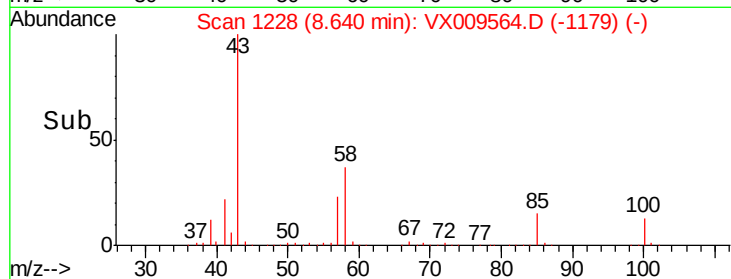
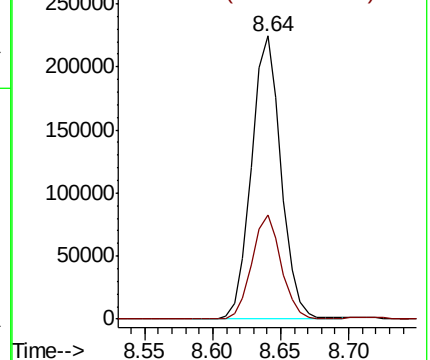
43 100

58 36.7 29.5 44.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 20.359 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX009564.D

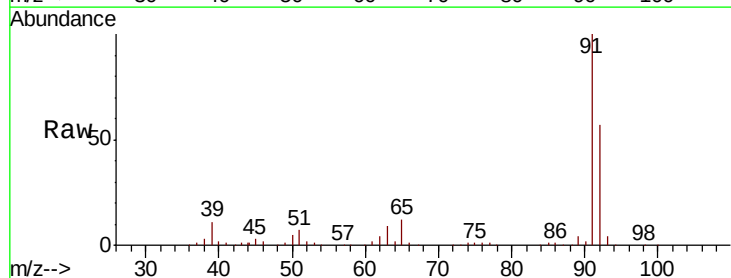
Acq: 14 May 2019 16:03

Tgt Ion: 92 Resp: 88631

Ion Ratio Lower Upper

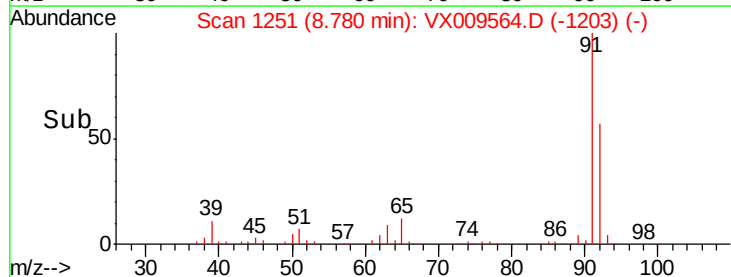
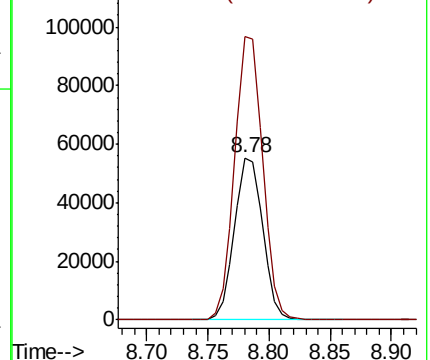
92 100

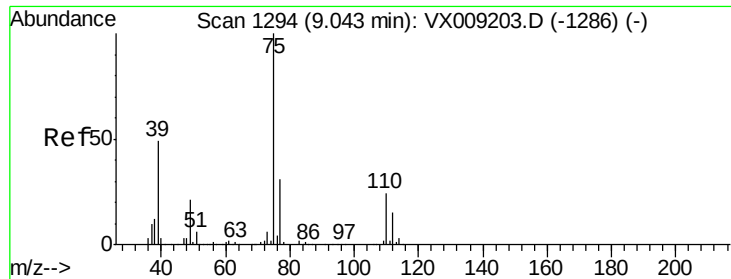
91 173.6 138.8 208.2



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





#53

t-1,3-Dichloropropene

Concen: 19.906 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX009564.D

Acq: 14 May 2019 16:03

Instrument :

MSVOA_X

ClientSampleId :

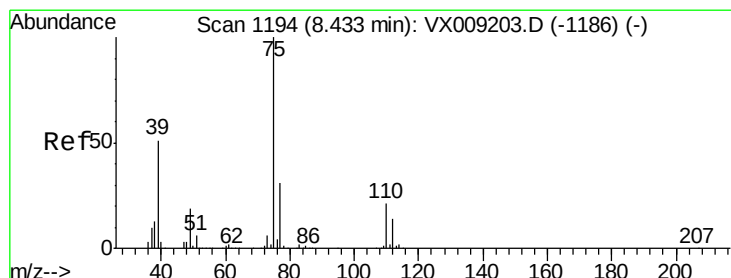
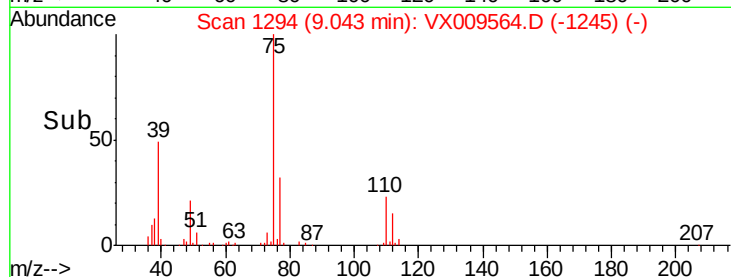
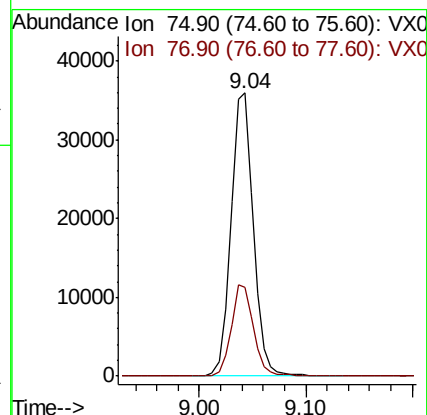
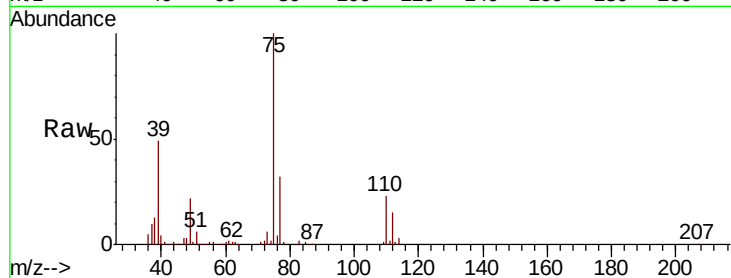
VX0514WBSD01

Tot Ion: 75 Resp: 52793

Ion Ratio Lower Upper

75 100

77 31.6 25.0 37.6



#54

cis-1,3-Dichloropropene

Concen: 20.338 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. -0.00 min

Lab File: VX009564.D

Acq: 14 May 2019 16:03

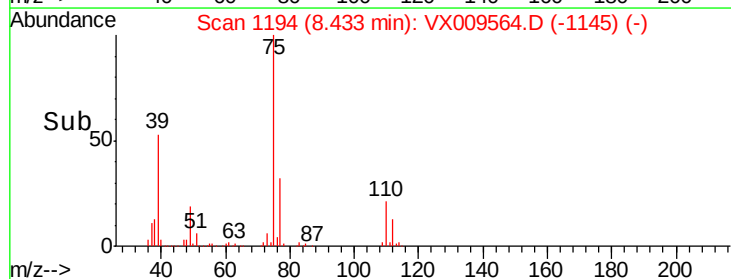
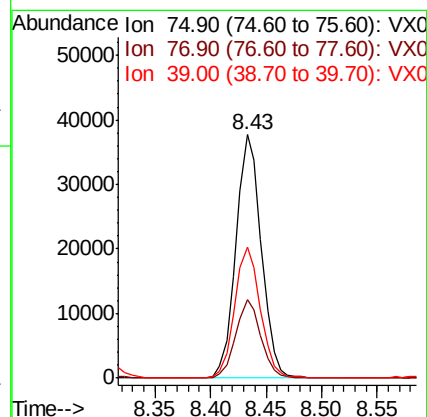
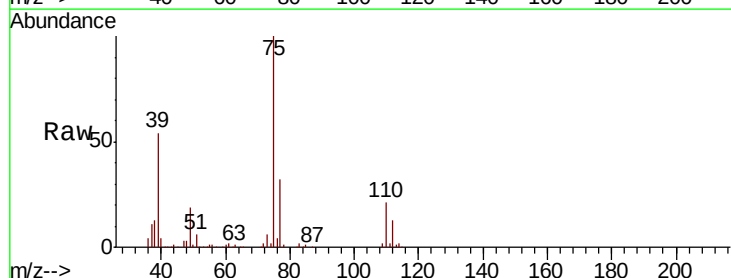
Tgt Ion: 75 Resp: 59702

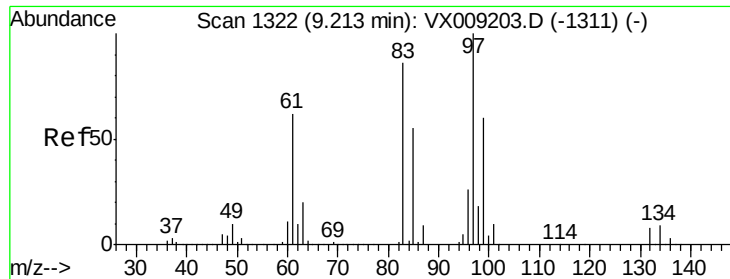
Ion Ratio Lower Upper

75 100

77 32.3 24.6 36.8

39 53.3 40.6 60.8

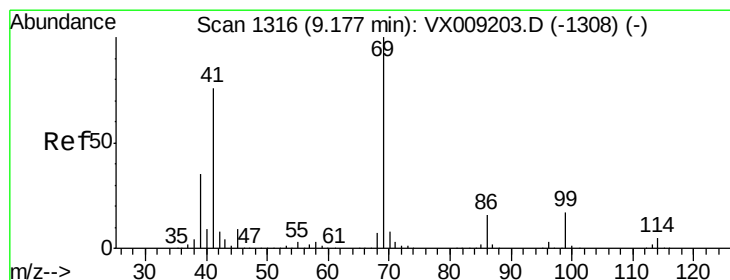
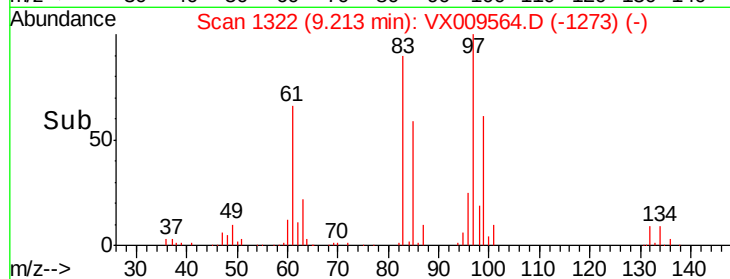
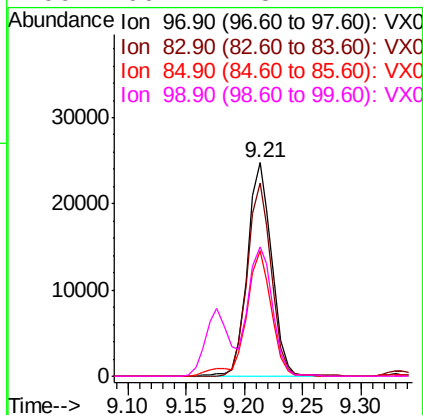
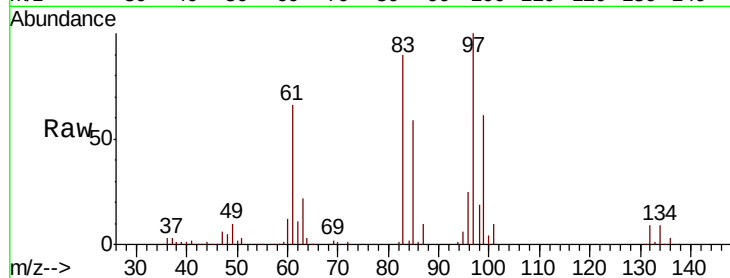




#55
 1,1,2-Trichloroethane
 Concen: 20.268 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX009564.D
 Acq: 14 May 2019 16:03

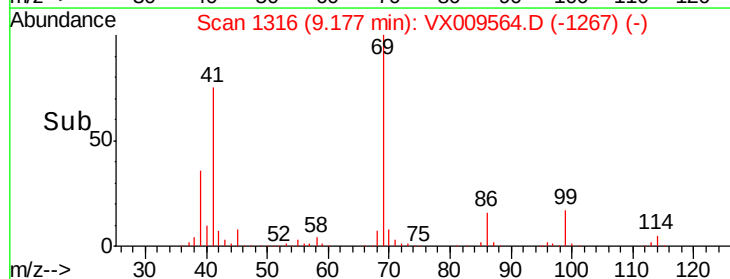
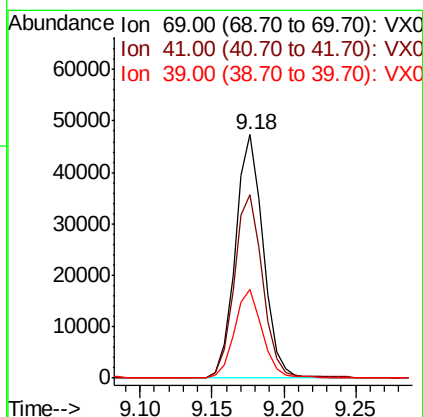
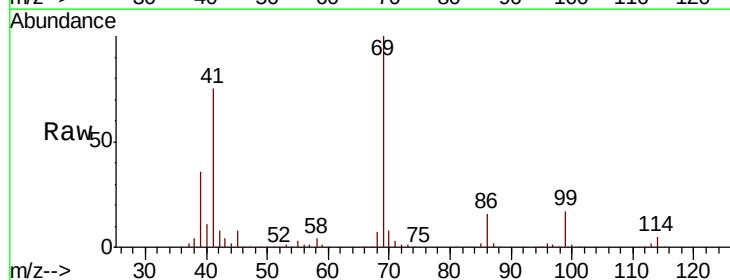
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0514WBSD01

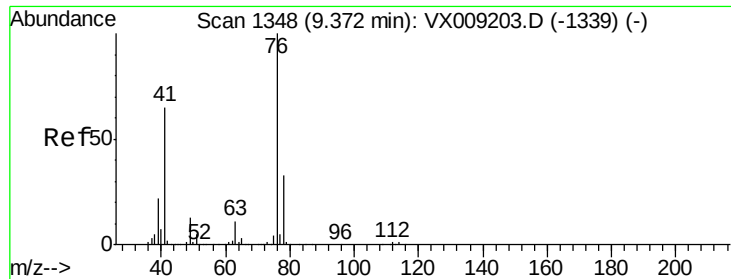
Tot Ion:	97	Resp:	35998
Ion	Ratio	Lower	Upper
97	100		
83	90.3	68.9	103.3
85	58.9	43.8	65.6
99	60.2	48.2	72.2



#56
 Ethyl methacrylate
 Concen: 20.106 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX009564.D
 Acq: 14 May 2019 16:03

Tgt Ion:	69	Resp:	63743
Ion	Ratio	Lower	Upper
69	100		
41	76.7	60.6	90.8
39	36.2	28.2	42.4

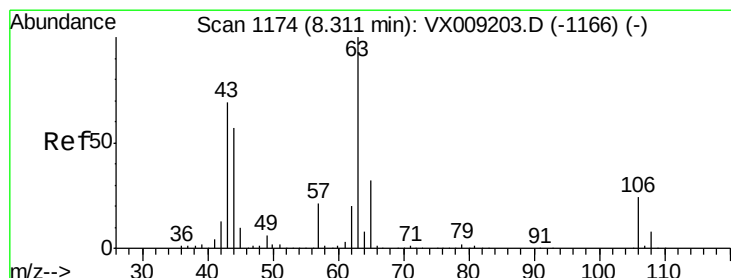
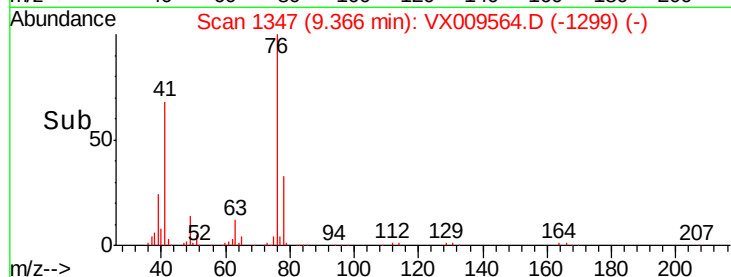
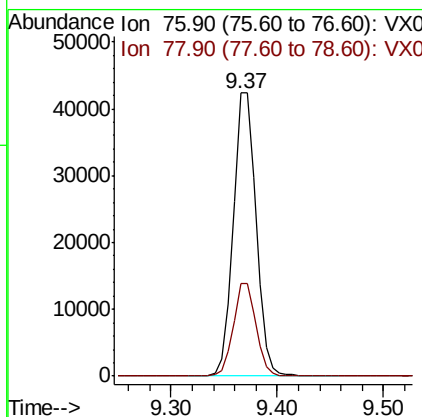
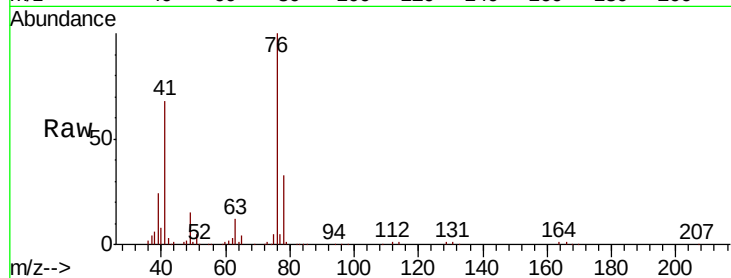




#57
 1,3-Dichloropropane
 Concen: 20.521 ug/l
 RT: 9.37 min Scan# 1347
 Delta R.T. -0.01 min
 Lab File: VX009564.D
 Acq: 14 May 2019 16:03

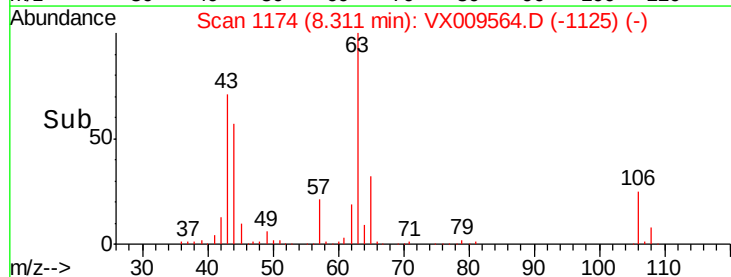
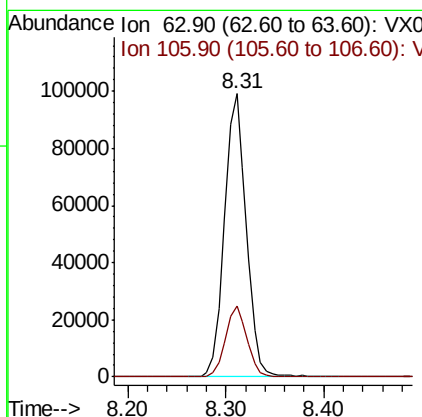
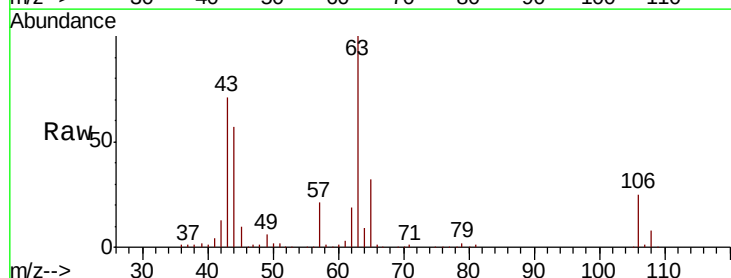
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0514WBSD01

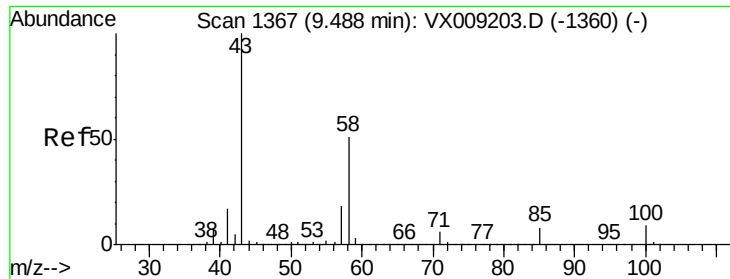
Tot Ion: 76 Resp: 64137
 Ion Ratio Lower Upper
 76 100
 78 32.6 25.5 38.3



#58
 2-Chloroethyl Vinyl ether
 Concen: 90.697 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. -0.00 min
 Lab File: VX009564.D
 Acq: 14 May 2019 16:03

Tgt Ion: 63 Resp: 152544
 Ion Ratio Lower Upper
 63 100
 106 24.6 19.7 29.5

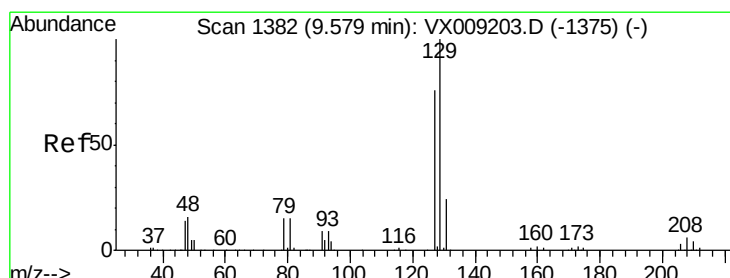
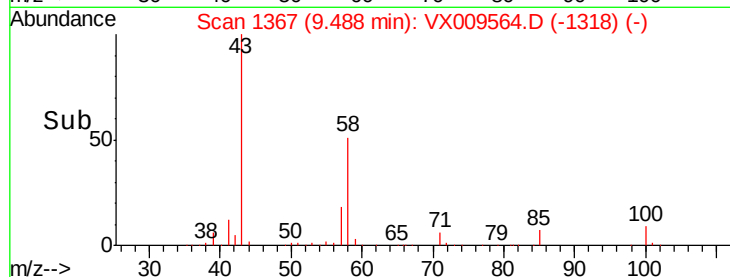
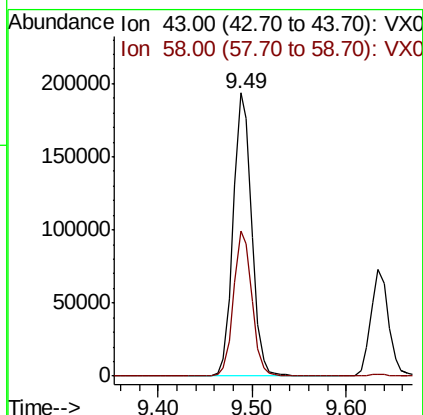
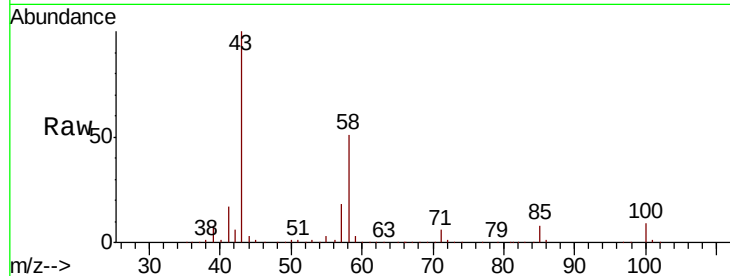




#59
2-Hexanone
Concen: 99.190 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX009564.D
Acq: 14 May 2019 16:03

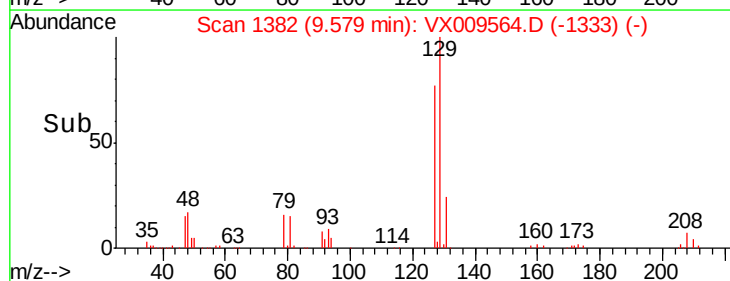
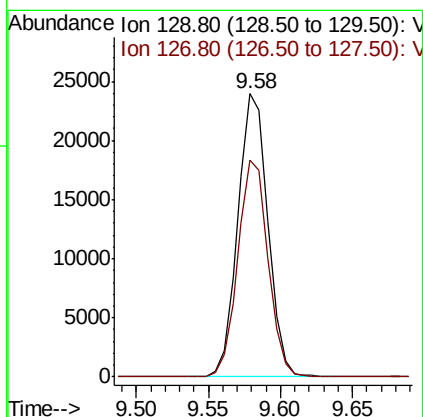
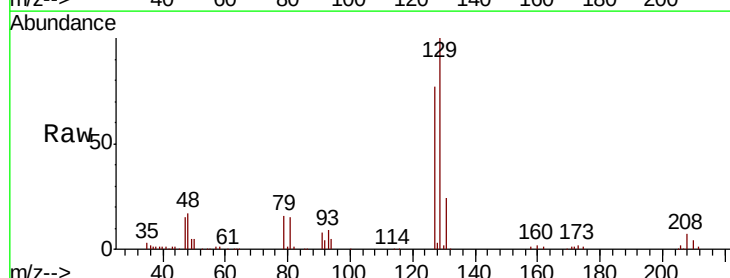
Instrument :
MSVOA_X
ClientSampleId :
VX0514WBSD01

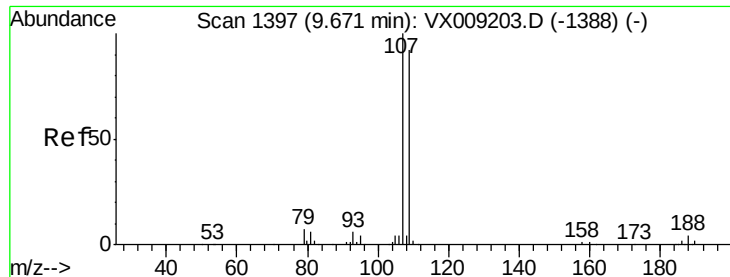
Tot Ion: 43 Resp: 262607
Ion Ratio Lower Upper
43 100
58 51.1 25.9 77.7



#60
Dibromochloromethane
Concen: 19.983 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX009564.D
Acq: 14 May 2019 16:03

Tgt Ion: 129 Resp: 34665
Ion Ratio Lower Upper
129 100
127 77.0 38.4 115.1





#61

1,2-Dibromoethane

Concen: 20.365 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX009564.D

Acq: 14 May 2019 16:03

Instrument :

MSVOA_X

ClientSampleId :

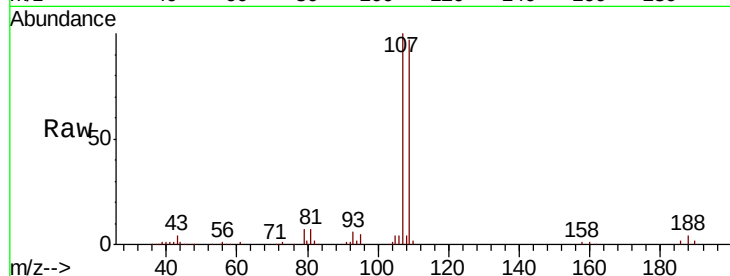
VX0514WBSD01

Tot Ion:107 Resp: 36512

Ion Ratio Lower Upper

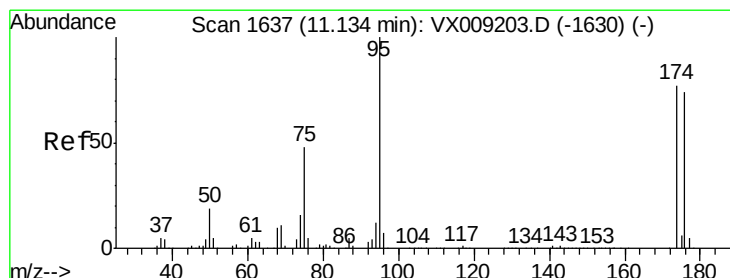
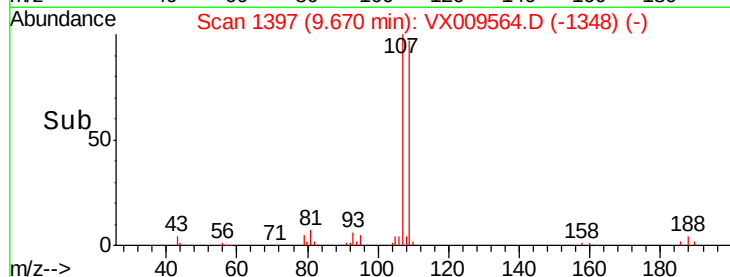
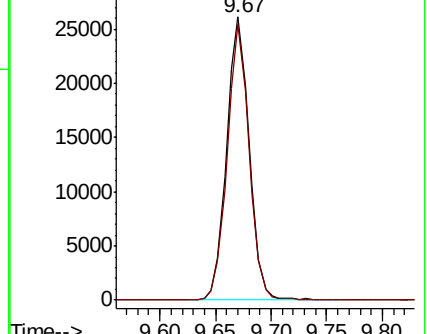
107 100

109 94.7 75.2 112.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 45.934 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009564.D

Acq: 14 May 2019 16:03

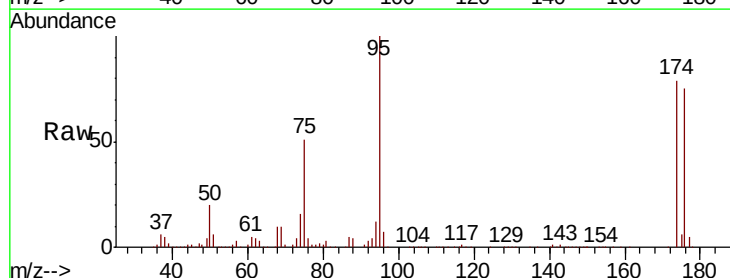
Tgt Ion: 95 Resp: 105484

Ion Ratio Lower Upper

95 100

174 82.5 0.0 161.6

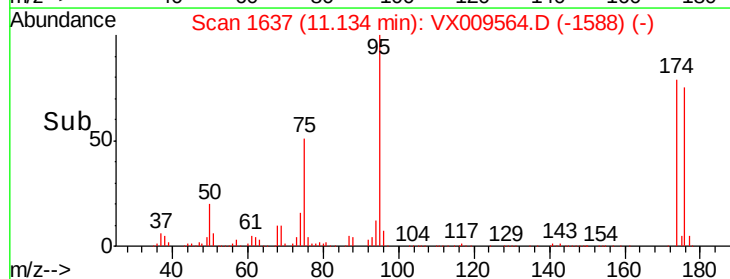
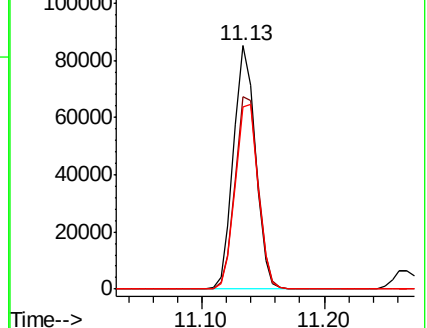
176 79.3 0.0 159.2

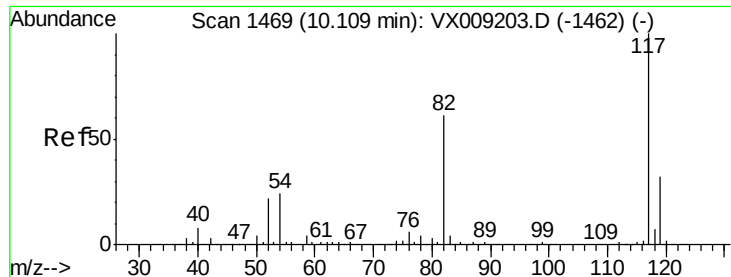


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

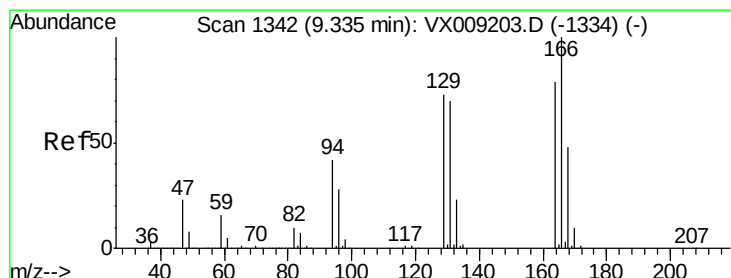
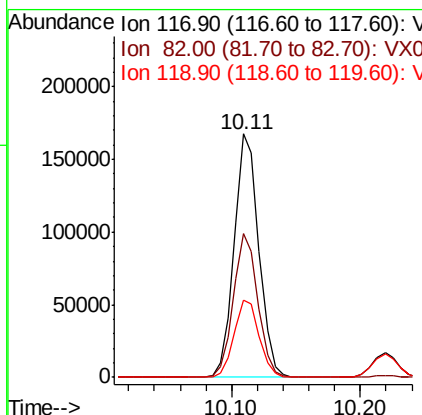
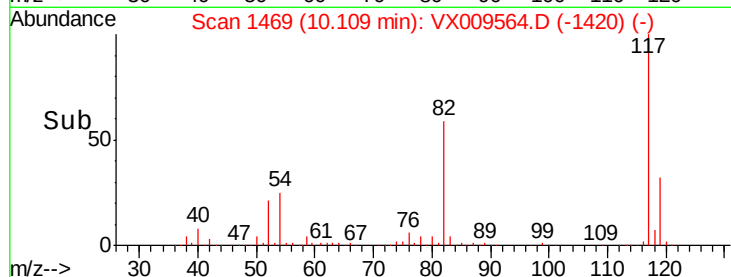
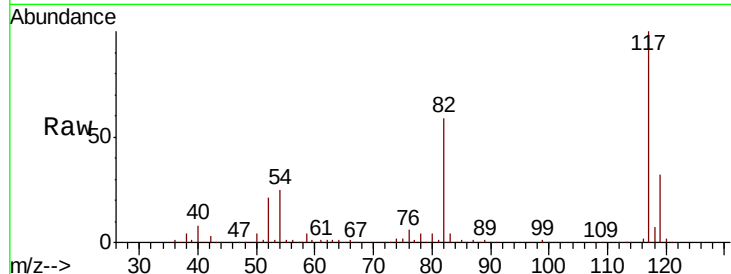




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX009564.D
Acq: 14 May 2019 16:03

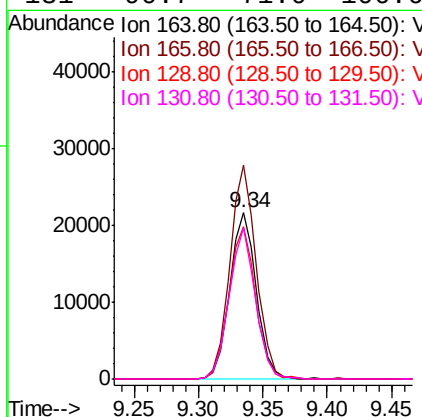
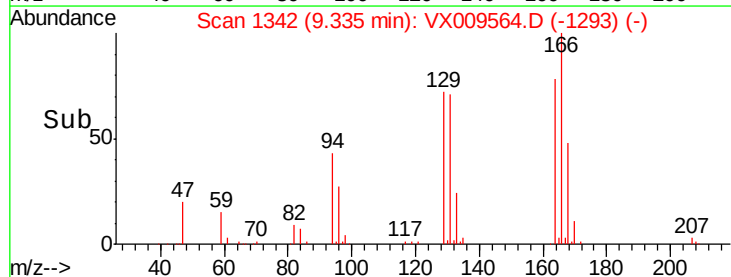
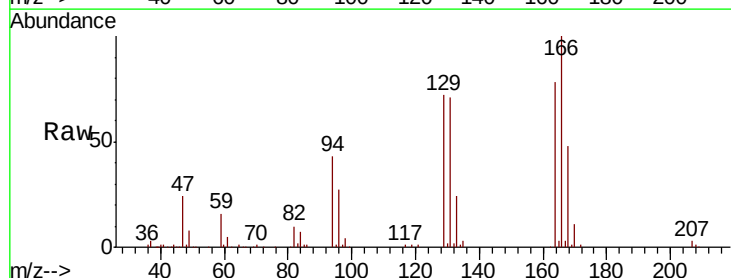
Instrument :
MSVOA_X
ClientSampleId :
VX0514WBSD01

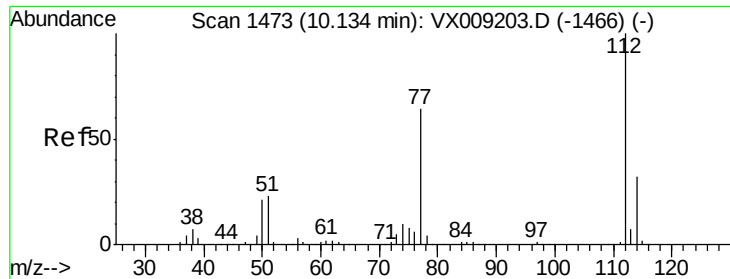
Tot Ion:117 Resp: 224008
Ion Ratio Lower Upper
117 100
82 59.1 48.8 73.2
119 32.0 25.8 38.6



#64
Tetrachloroethene
Concen: 20.258 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX009564.D
Acq: 14 May 2019 16:03

Tgt Ion:164 Resp: 31128
Ion Ratio Lower Upper
164 100
166 128.4 101.2 151.8
129 91.9 74.3 111.5
131 90.7 71.0 106.6

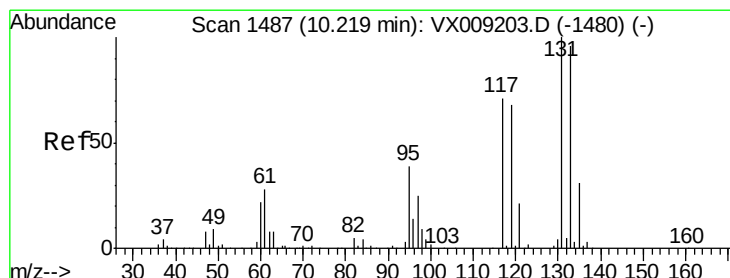
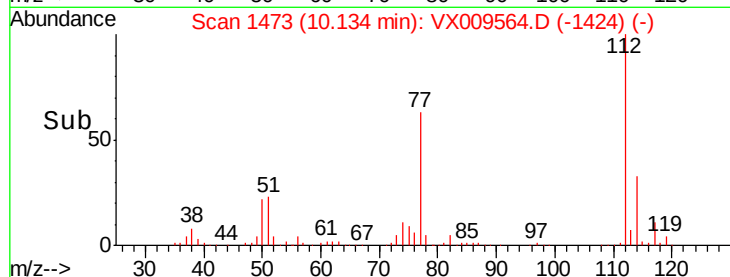
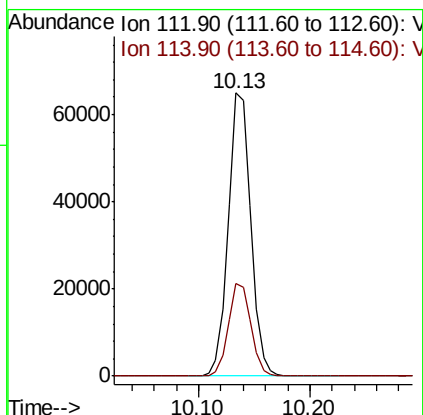
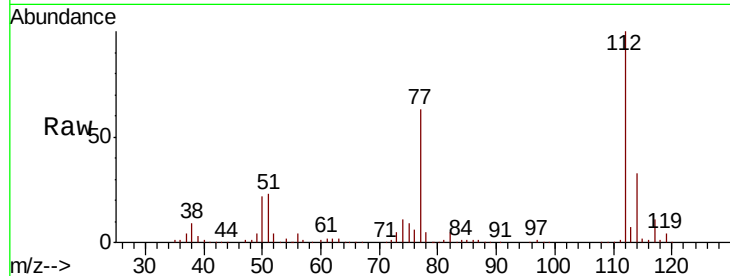




#65
Chlorobenzene
Concen: 20.302 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VX009564.D
Acq: 14 May 2019 16:03

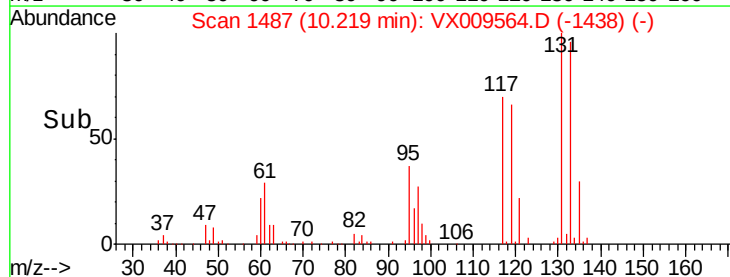
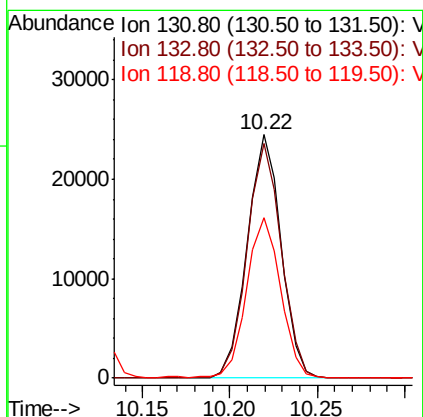
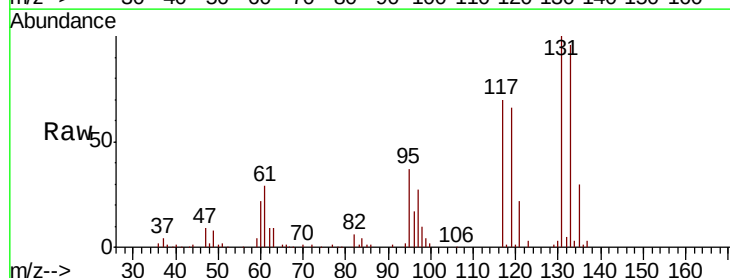
Instrument :
MSVOA_X
ClientSampleId :
VX0514WBSD01

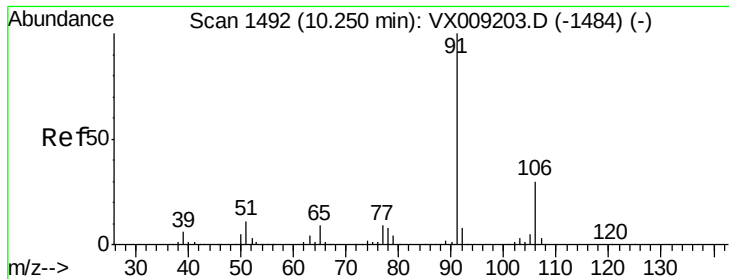
Tot Ion:112 Resp: 90978
Ion Ratio Lower Upper
112 100
114 32.8 25.5 38.3



#66
1,1,1,2-Tetrachloroethane
Concen: 20.324 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX009564.D
Acq: 14 May 2019 16:03

Tgt Ion:131 Resp: 33019
Ion Ratio Lower Upper
131 100
133 97.3 47.7 143.1
119 66.5 33.5 100.4





#67

Ethyl Benzene

Concen: 20.305 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX009564.D

Acq: 14 May 2019 16:03

Instrument :

MSVOA_X

ClientSampleId :

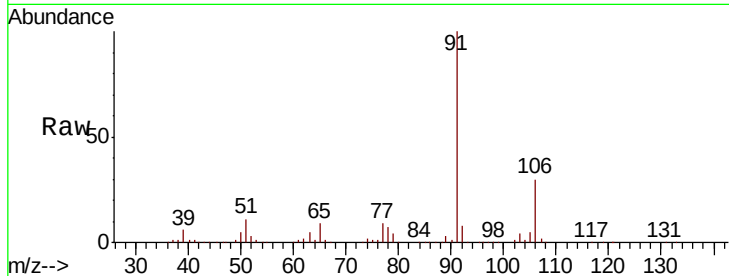
VX0514WBSD01

Tot Ion: 91 Resp: 167460

Ion Ratio Lower Upper

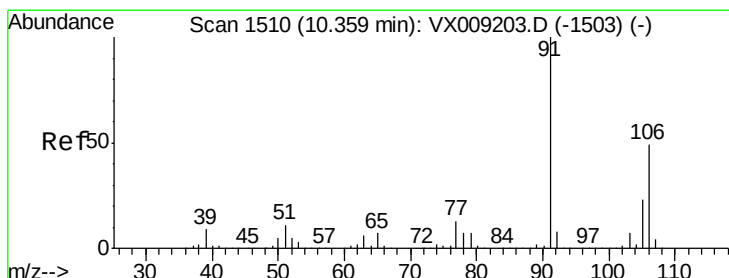
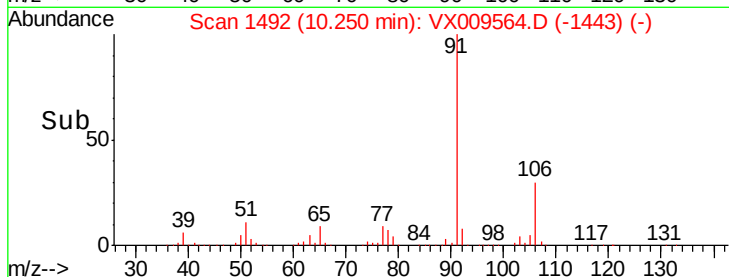
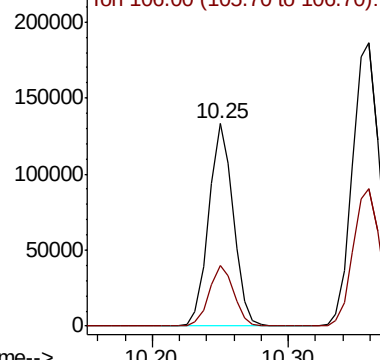
91 100

106 29.8 24.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 41.511 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX009564.D

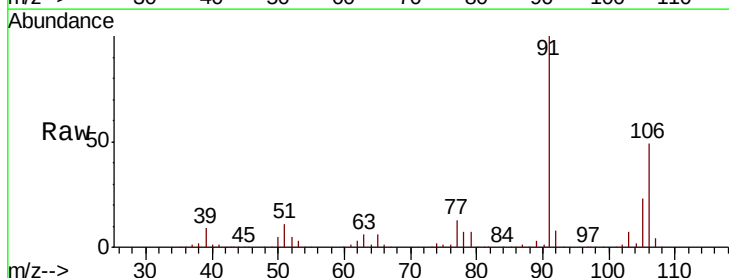
Acq: 14 May 2019 16:03

Tgt Ion:106 Resp: 125103

Ion Ratio Lower Upper

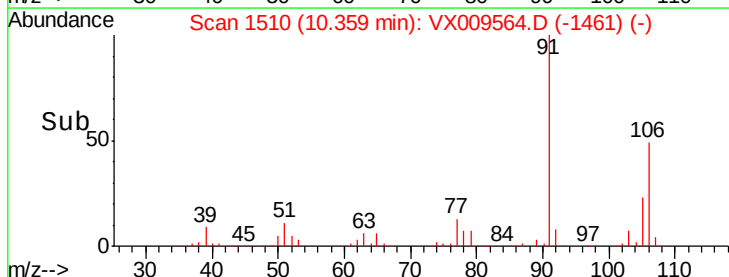
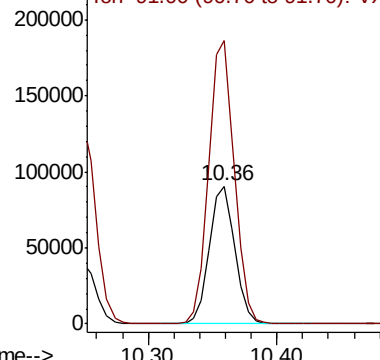
106 100

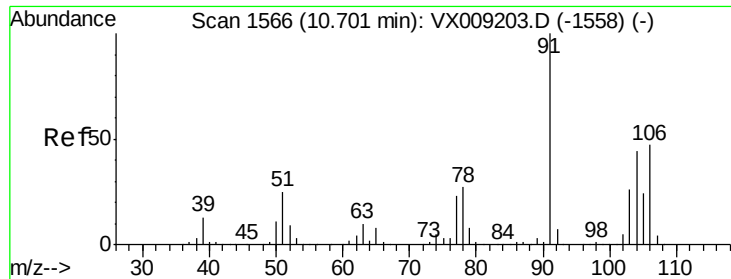
91 206.6 164.0 246.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

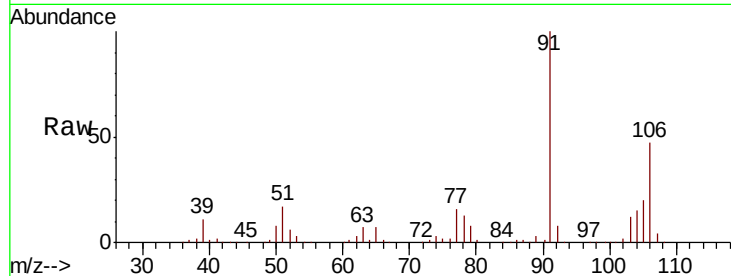




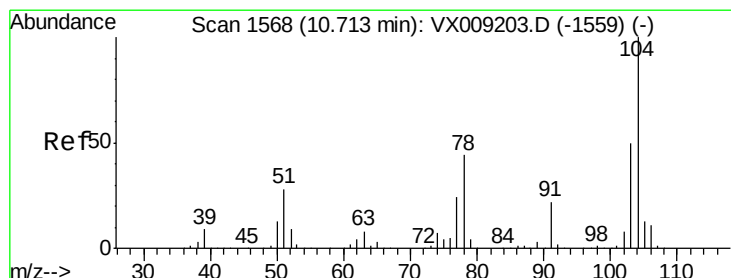
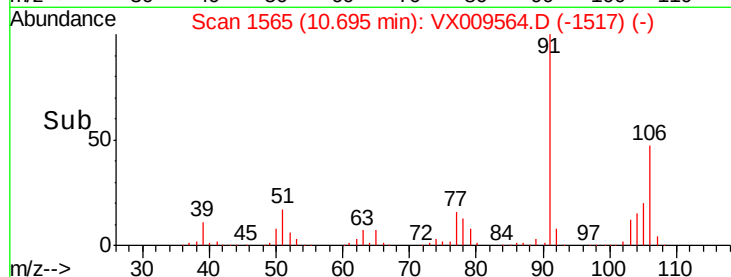
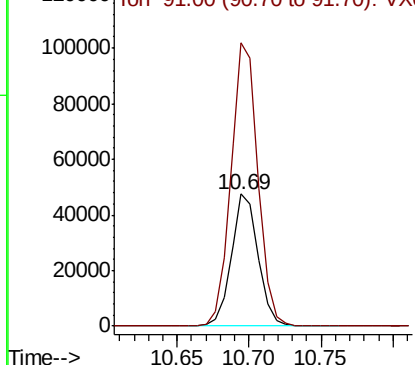
#69
o-Xylene
Concen: 20.746 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX009564.D
Acq: 14 May 2019 16:03

Instrument :
MSVOA_X
ClientSampleId :
VX0514WBSD01

Tot Ion:106 Resp: 61688
Ion Ratio Lower Upper
106 100
91 216.6 109.5 328.4

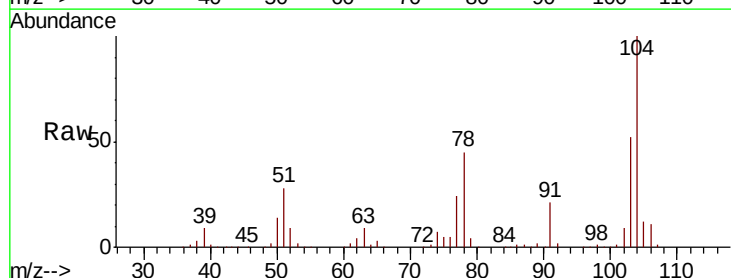


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

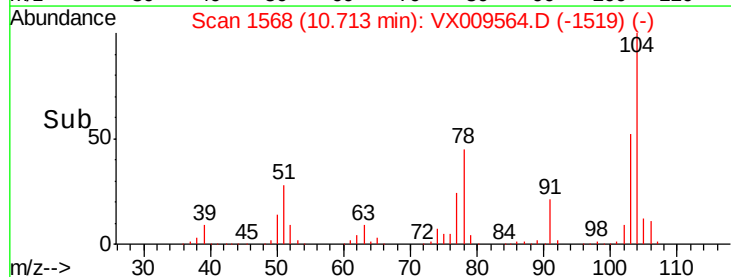
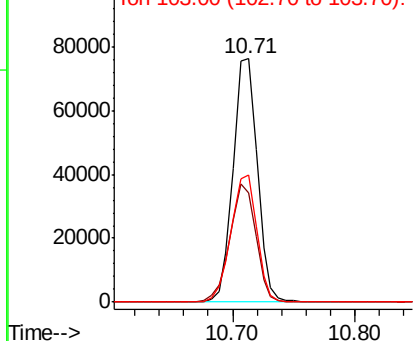


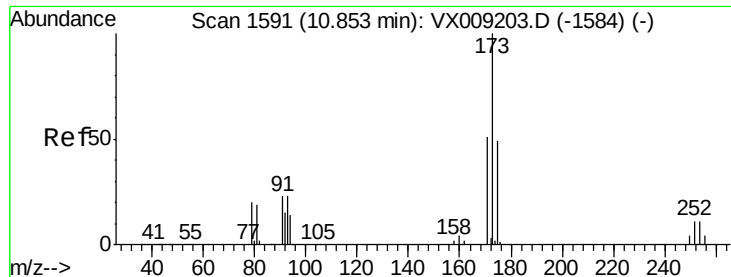
#70
Styrene
Concen: 20.220 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX009564.D
Acq: 14 May 2019 16:03

Tgt Ion:104 Resp: 104500
Ion Ratio Lower Upper
104 100
78 51.9 41.0 61.4
103 56.1 43.8 65.6



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





#71

Bromoform

Concen: 19.443 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.00 min

Lab File: VX009564.D

Acq: 14 May 2019 16:03

Instrument :

MSVOA_X

ClientSampleId :

VX0514WBSD01

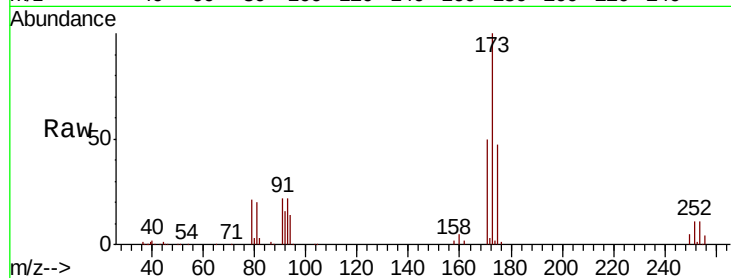
Tot Ion:173 Resp: 25669

Ion Ratio Lower Upper

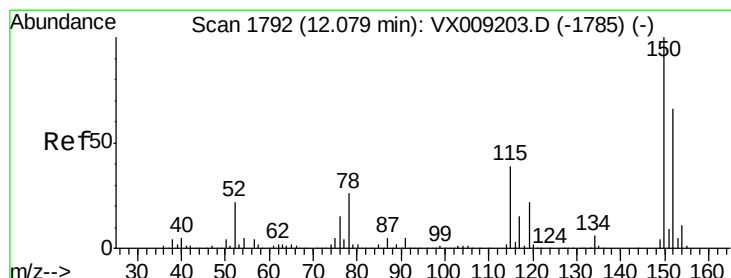
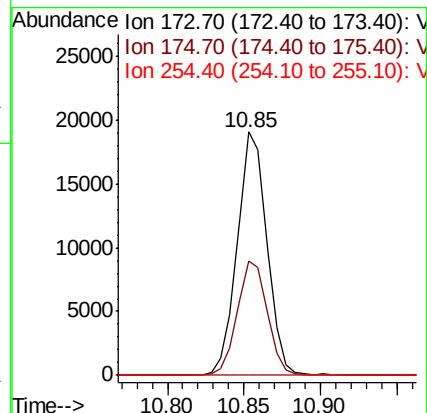
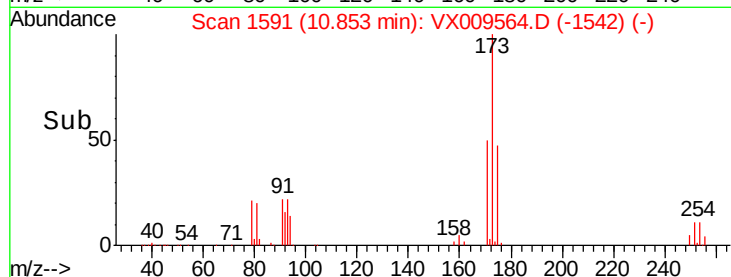
173 100

175 47.3 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: VX009564.D

Acq: 14 May 2019 16:03

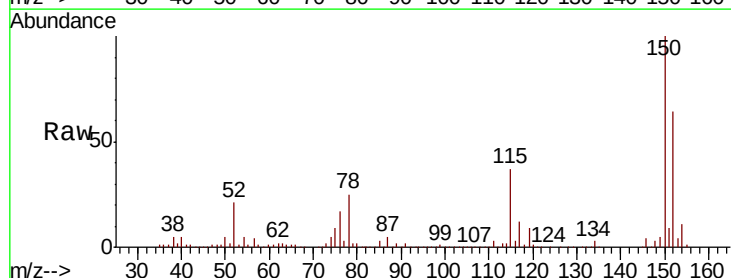
Tgt Ion:152 Resp: 109060

Ion Ratio Lower Upper

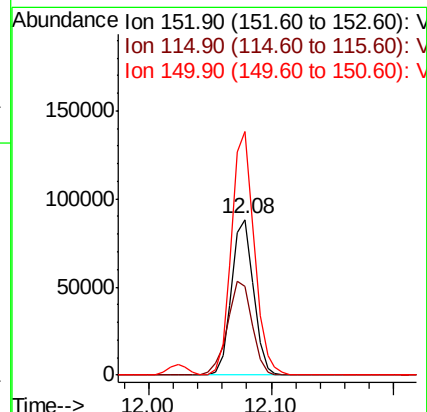
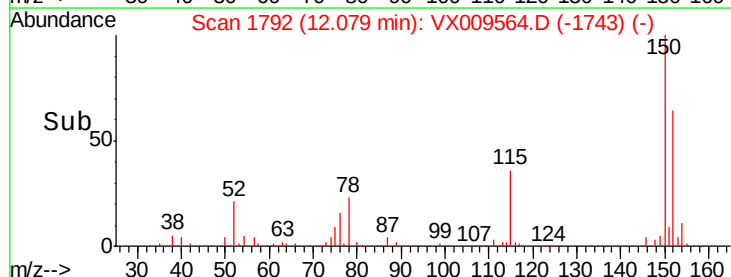
152 100

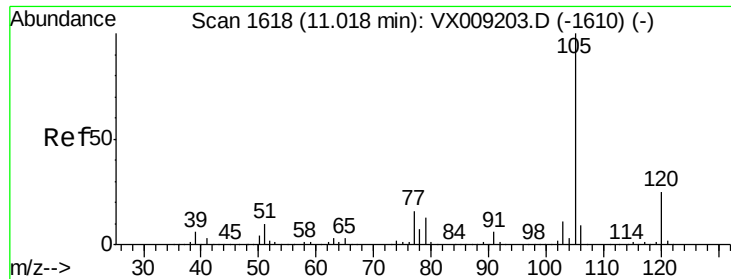
115 67.9 41.2 123.6

150 162.8 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: 20.467 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX009564.D

Acq: 14 May 2019 16:03

Instrument :

MSVOA_X

ClientSampleId :

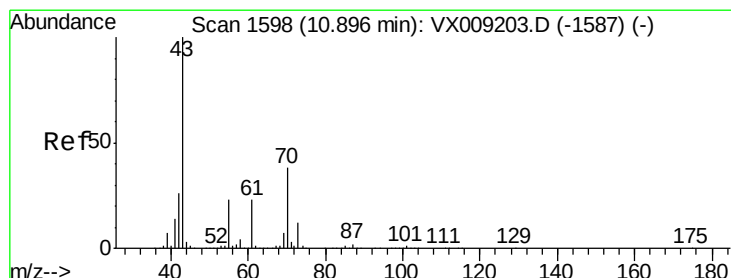
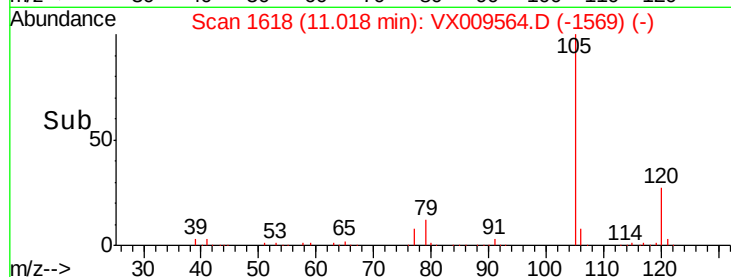
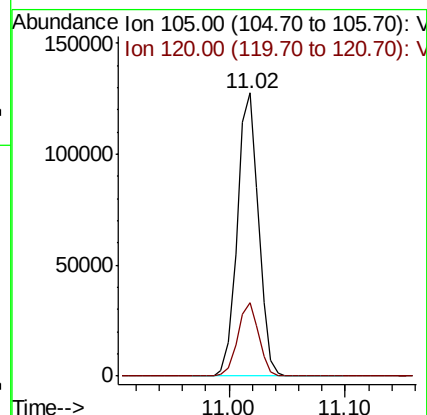
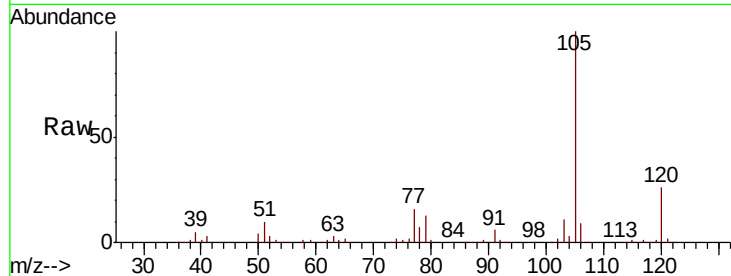
VX0514WBSD01

Tot Ion:105 Resp: 162317

Ion Ratio Lower Upper

105 100

120 25.6 12.8 38.3



#74

N-ethyl acetate

Concen: 19.706 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX009564.D

Acq: 14 May 2019 16:03

Tgt Ion: 43 Resp: 91116

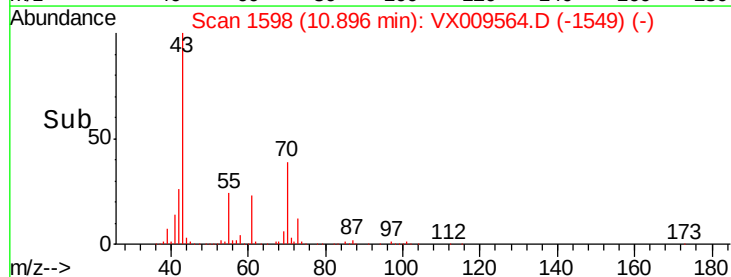
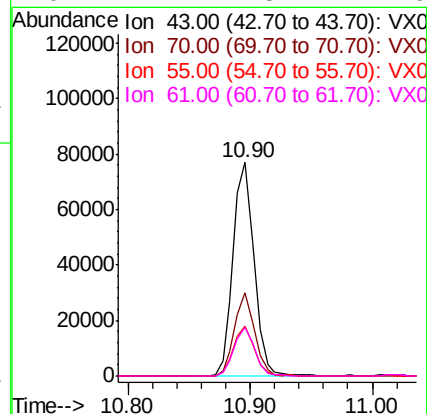
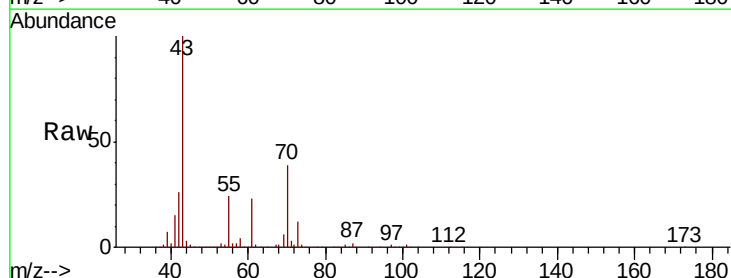
Ion Ratio Lower Upper

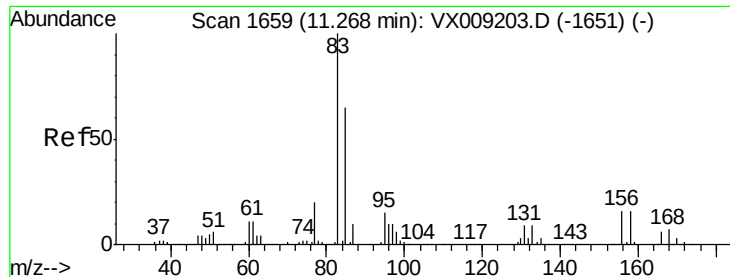
43 100

70 37.7 30.0 45.0

55 23.4 17.9 26.9

61 22.7 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 20.005 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX009564.D

Acq: 14 May 2019 16:03

Instrument :

MSVOA_X

ClientSampleId :

VX0514WBSD01

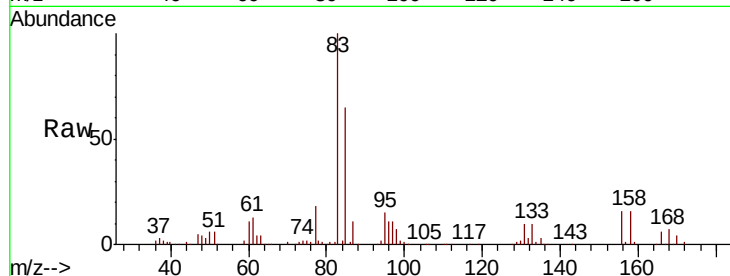
Tot Ion: 83 Resp: 59145

Ion Ratio Lower Upper

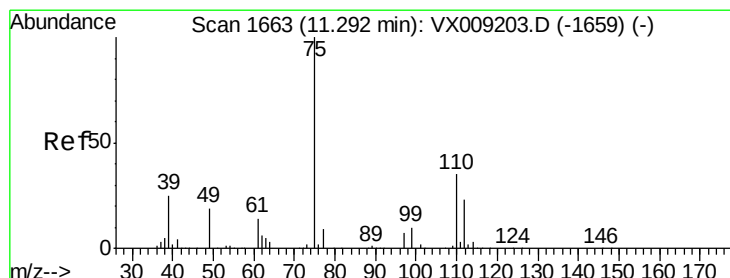
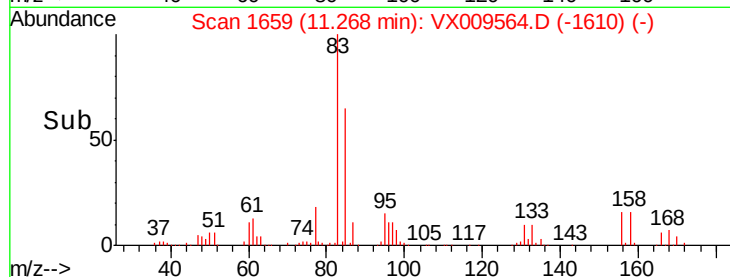
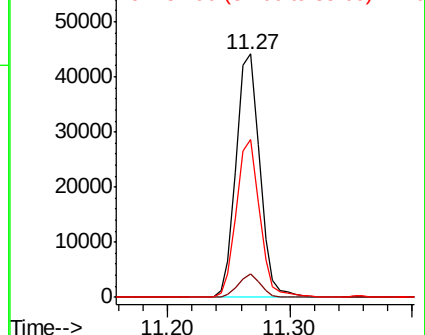
83 100

131 9.0 4.6 13.8

85 64.0 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: 26.334 ug/l

RT: 11.29 min Scan# 1663

Delta R.T. -0.00 min

Lab File: VX009564.D

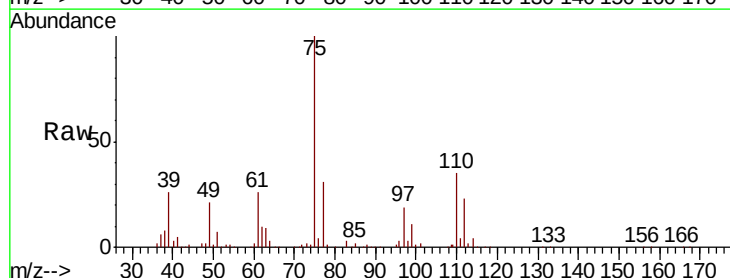
Acq: 14 May 2019 16:03

Tgt Ion: 75 Resp: 66620

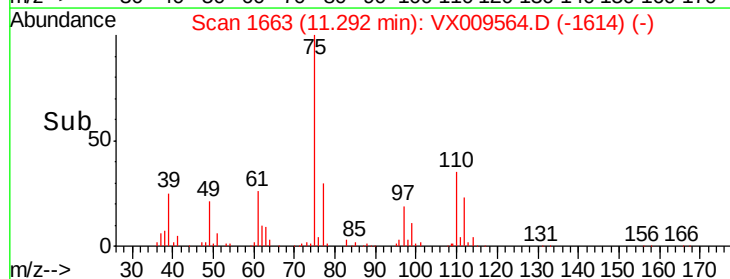
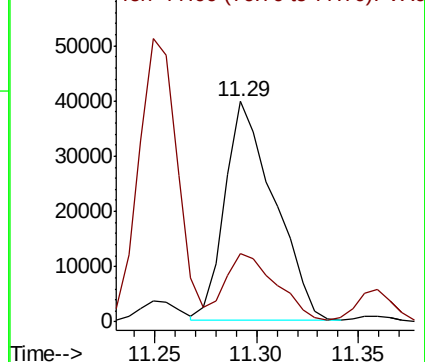
Ion Ratio Lower Upper

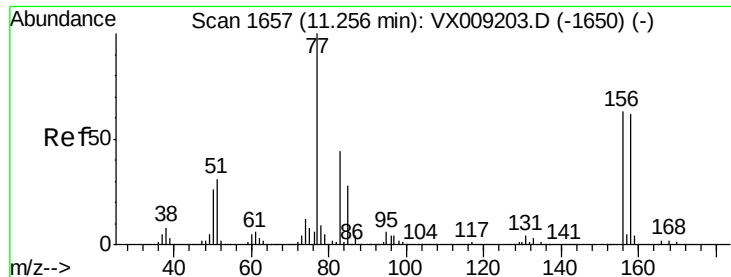
75 100

77 32.6 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: 20.427 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX009564.D

Acq: 14 May 2019 16:03

Instrument :

MSVOA_X

ClientSampleId :

VX0514WBSD01

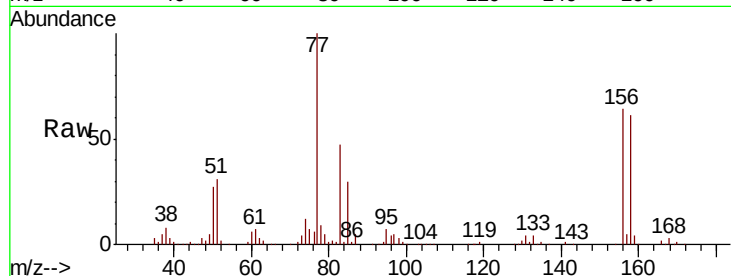
Tot Ion:156 Resp: 40209

Ion Ratio Lower Upper

156 100

77 167.7 84.8 254.3

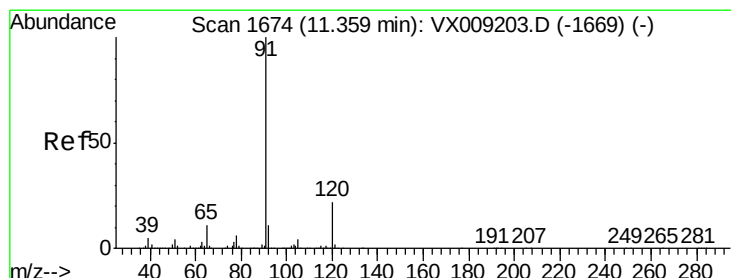
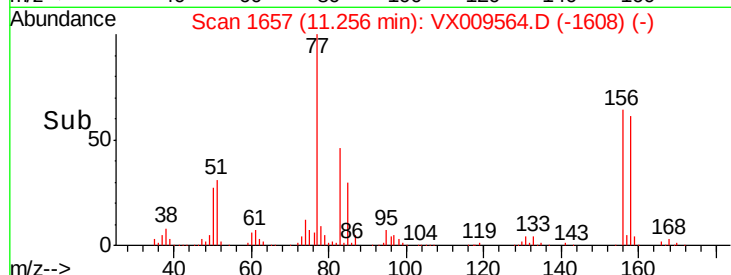
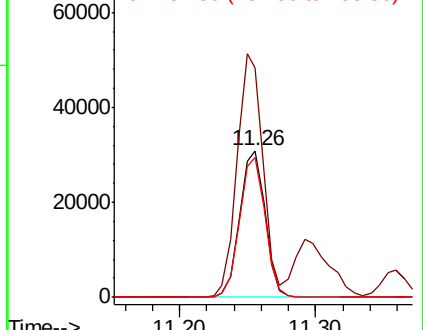
158 96.0 49.1 147.3



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: 20.649 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX009564.D

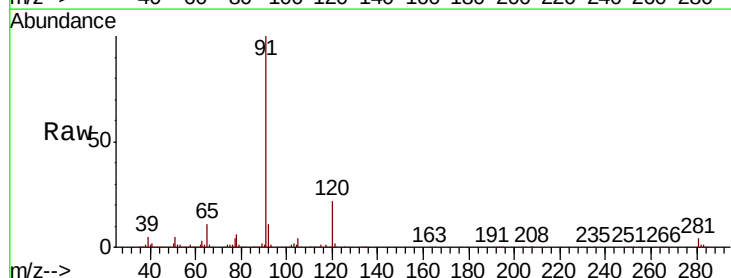
Acq: 14 May 2019 16:03

Tgt Ion: 91 Resp: 187021

Ion Ratio Lower Upper

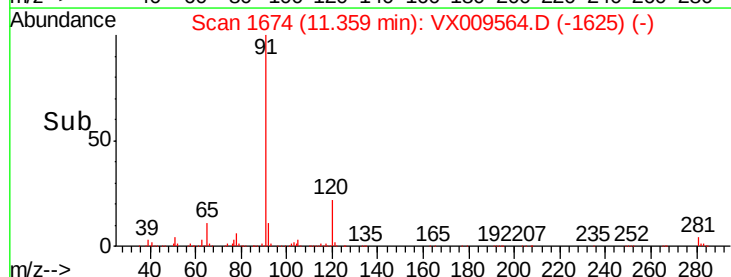
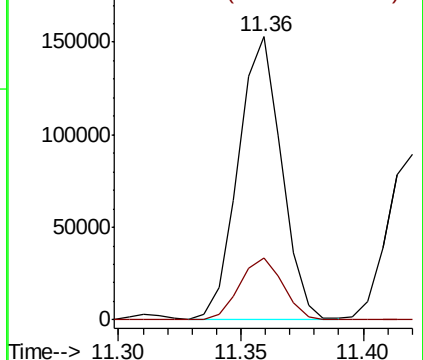
91 100

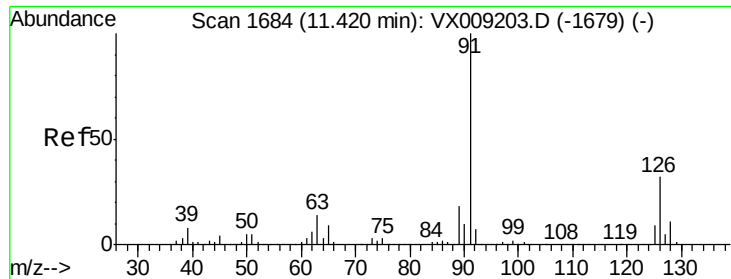
120 22.2 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.830 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX009564.D

Acq: 14 May 2019 16:03

Instrument :

MSVOA_X

ClientSampleId :

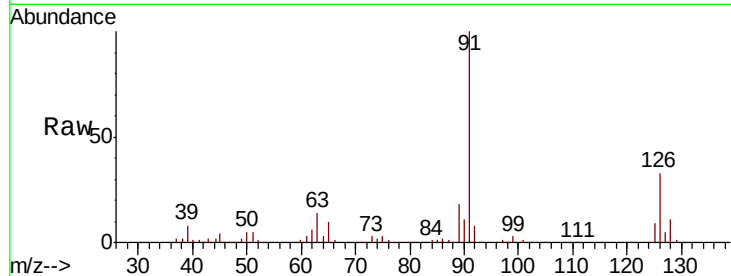
VX0514WBSD01

Tot Ion: 91 Resp: 110809

Ion Ratio Lower Upper

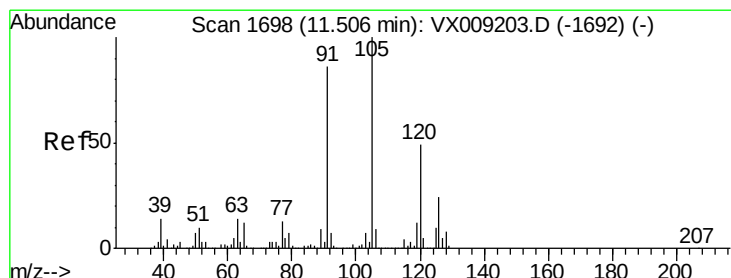
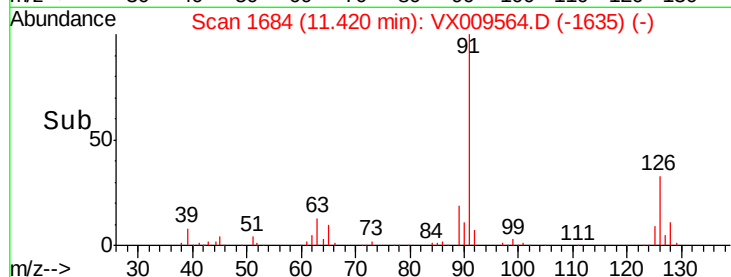
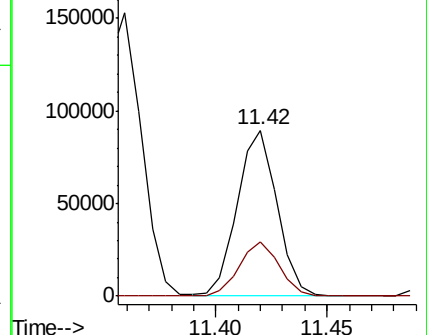
91 100

126 32.9 16.3 48.9



Abundance Ion 91.00 (90.70 to 91.70): VX009564.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX009564.D (-1679) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.479 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX009564.D

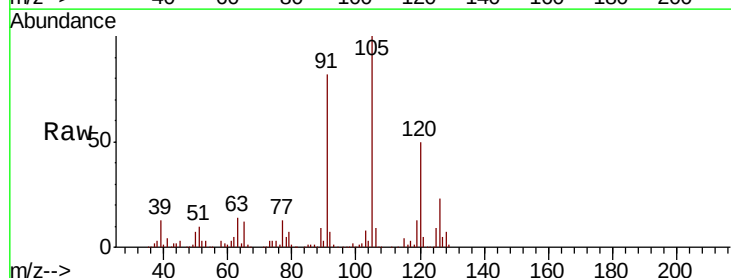
Acq: 14 May 2019 16:03

Tgt Ion: 105 Resp: 136754

Ion Ratio Lower Upper

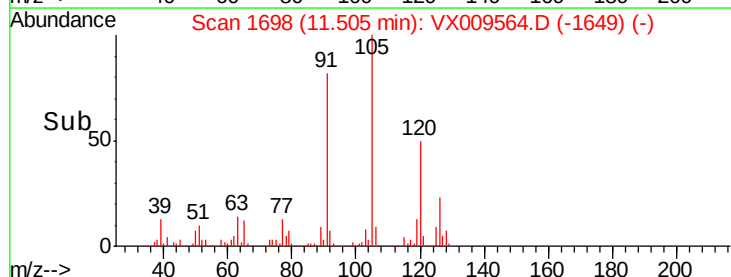
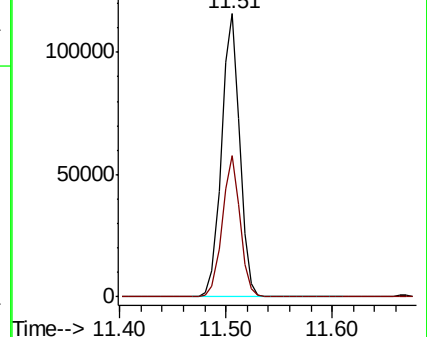
105 100

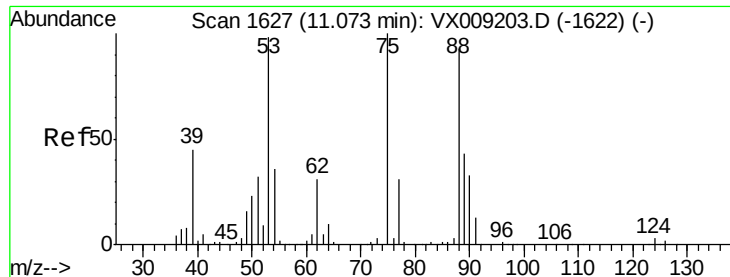
120 48.7 24.3 72.9



Abundance Ion 105.00 (104.70 to 105.70): VX009564.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX009564.D (-1692) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 18.499 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX009564.D

Acq: 14 May 2019 16:03

Instrument :

MSVOA_X

ClientSampleId :

VX0514WBSD01

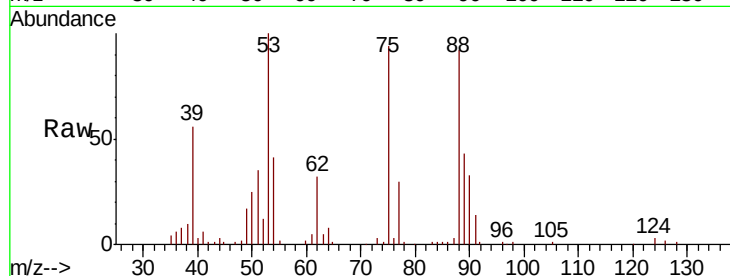
Tot Ion: 75 Resp: 18290

Ion Ratio Lower Upper

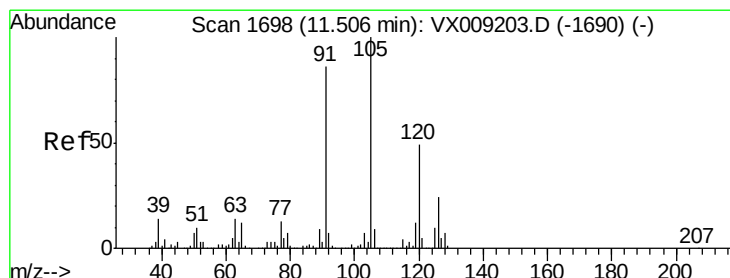
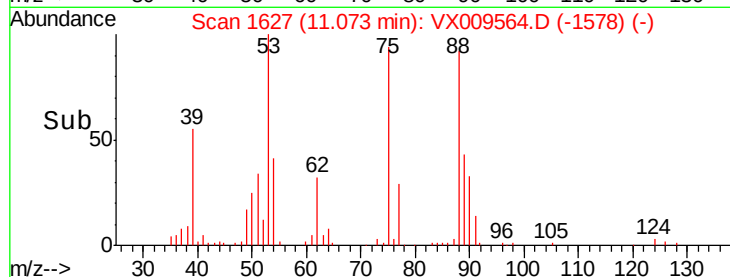
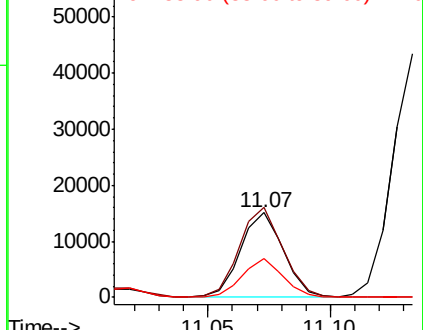
75 100

53 109.6 79.0 118.6

89 44.0 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: 20.083 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.01 min

Lab File: VX009564.D

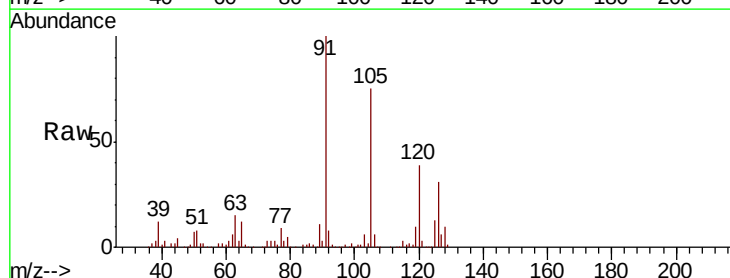
Acq: 14 May 2019 16:03

Tgt Ion: 91 Resp: 126781

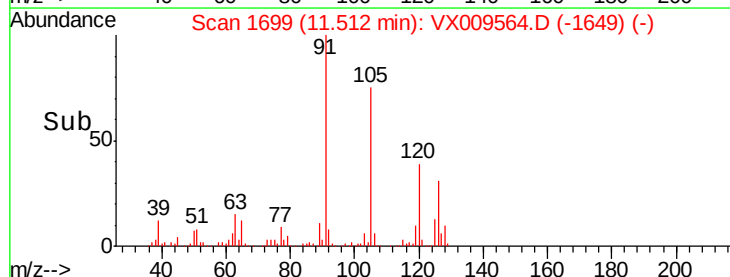
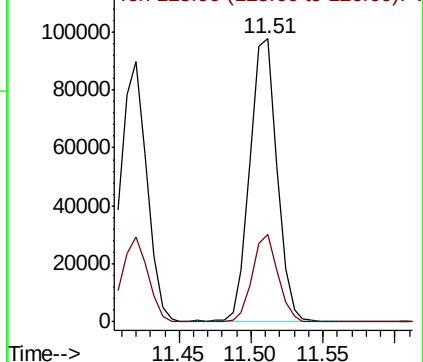
Ion Ratio Lower Upper

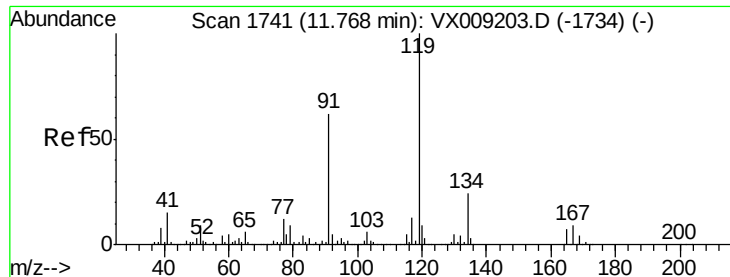
91 100

126 29.4 14.5 43.6



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 125.90 (125.60 to 126.60): V

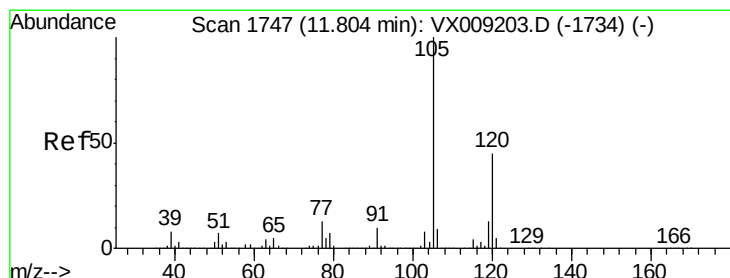
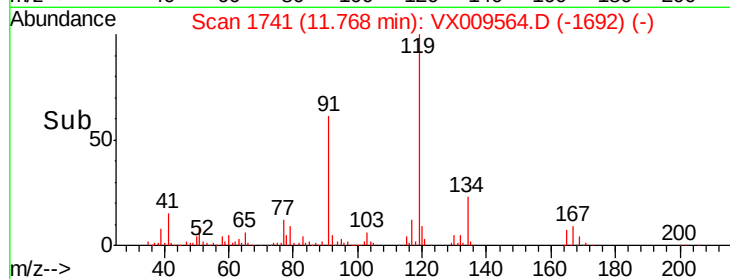
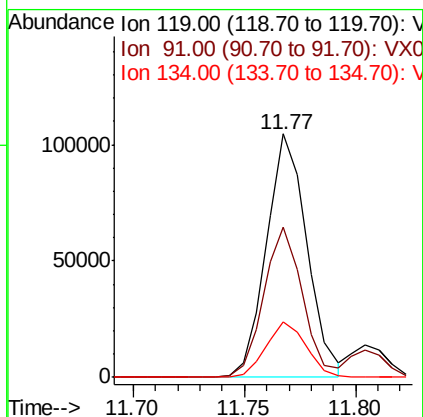
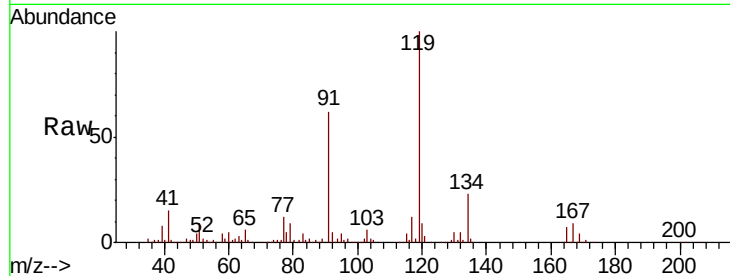




#83
tert-Butylbenzene
Concen: 20.378 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX009564.D
Acq: 14 May 2019 16:03

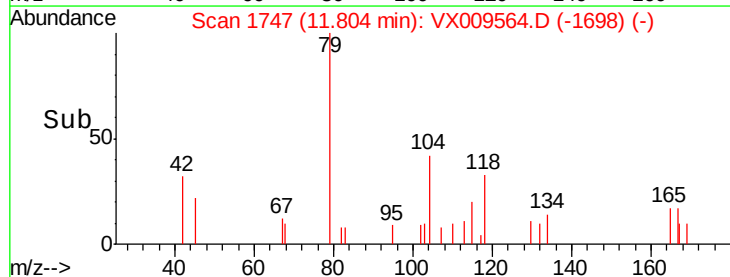
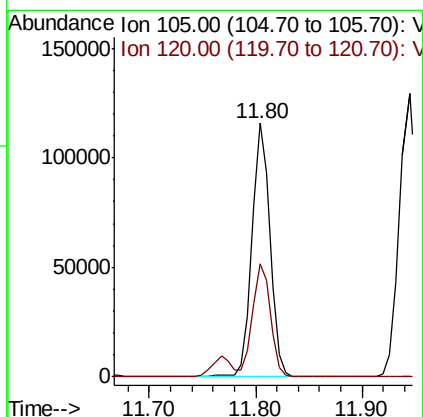
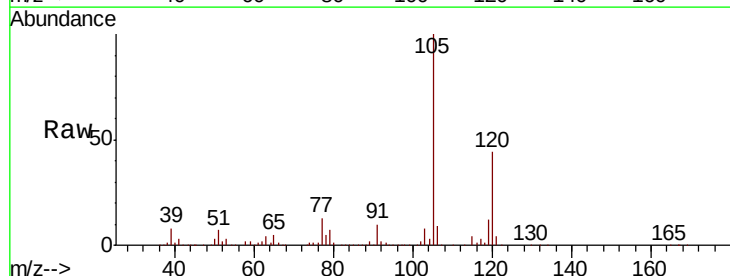
Instrument :
MSVOA_X
ClientSampleID :
VX0514WBSD01

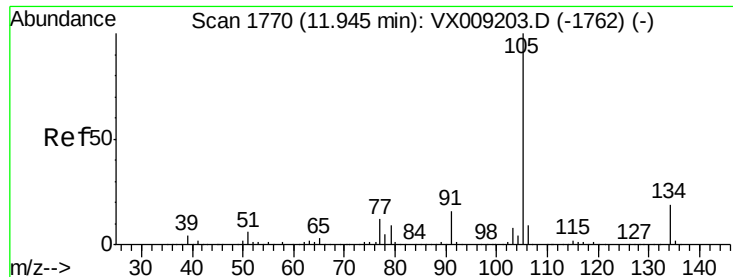
Tot Ion:119 Resp: 132378
Ion Ratio Lower Upper
119 100
91 59.3 29.5 88.5
134 22.5 11.4 34.1



#84
1,2,4-Trimethylbenzene
Concen: 20.638 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX009564.D
Acq: 14 May 2019 16:03

Tgt Ion:105 Resp: 138330
Ion Ratio Lower Upper
105 100
120 44.1 22.0 66.0





#85

sec-Butylbenzene

Concen: 20.215 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX009564.D

Acq: 14 May 2019 16:03

Instrument :

MSVOA_X

ClientSampleID :

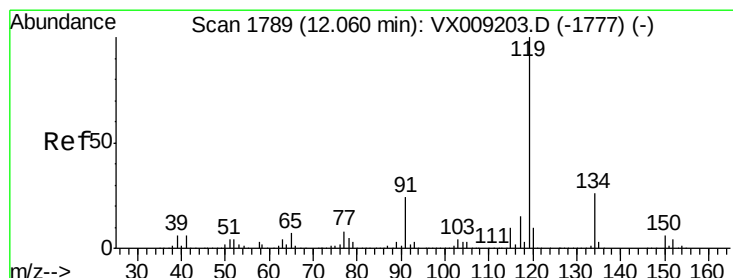
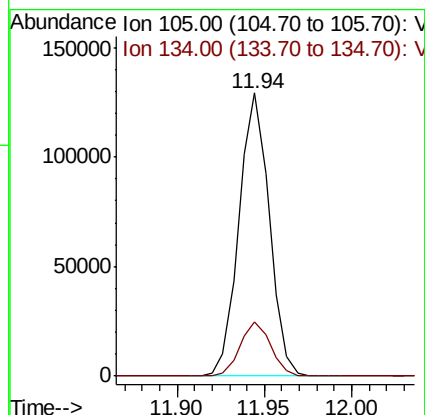
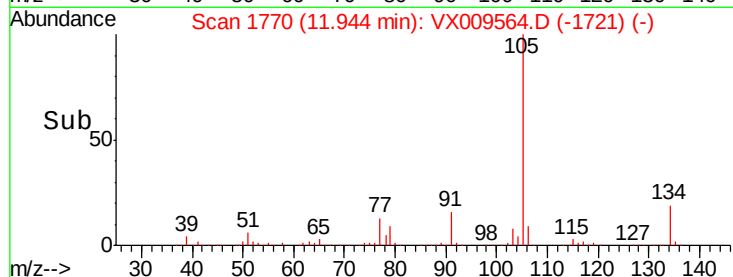
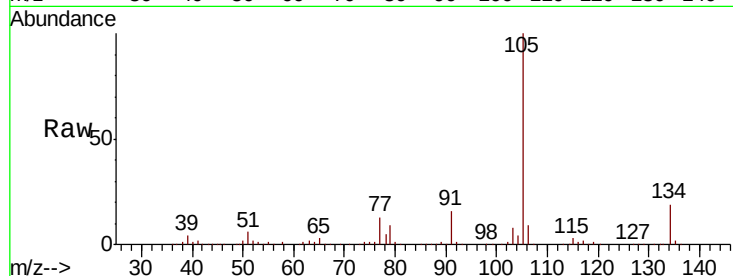
VX0514WBSD01

Tot Ion:105 Resp: 155684

Ion Ratio Lower Upper

105 100

134 19.2 9.7 28.9



#86

p-Isopropyltoluene

Concen: 20.678 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX009564.D

Acq: 14 May 2019 16:03

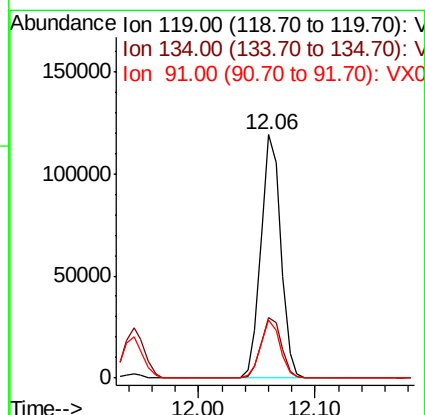
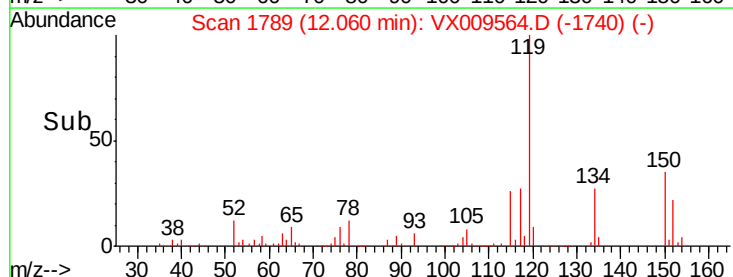
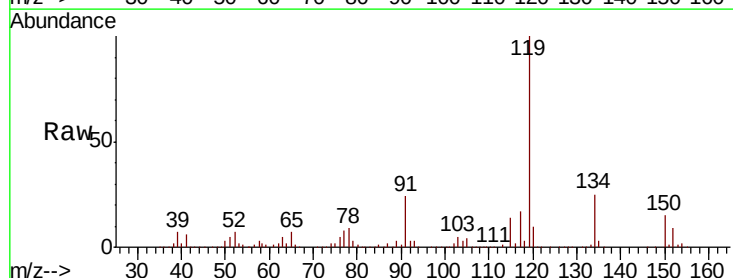
Tgt Ion:119 Resp: 143168

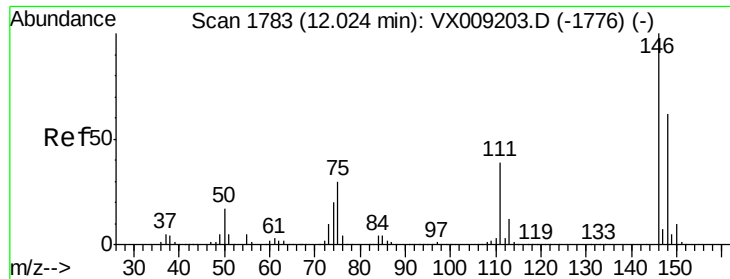
Ion Ratio Lower Upper

119 100

134 25.6 12.9 38.7

91 23.9 11.8 35.4

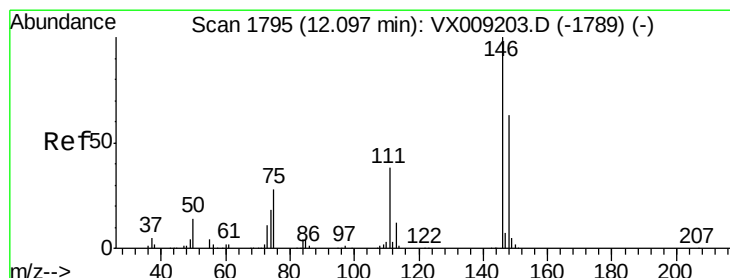
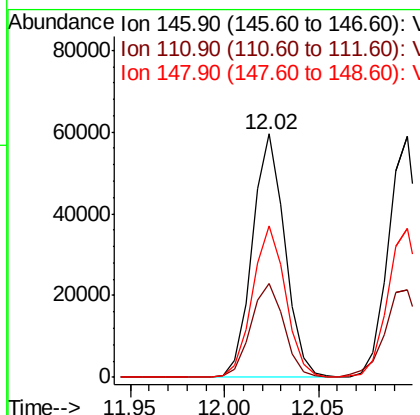
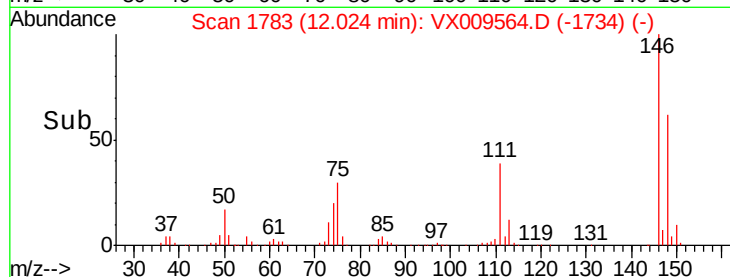
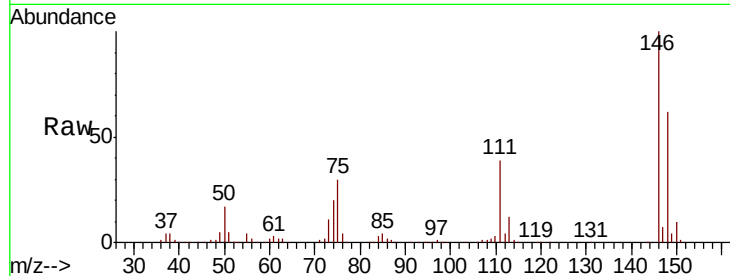




#87
 1,3-Dichlorobenzene
 Concen: 20.219 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX009564.D
 Acq: 14 May 2019 16:03

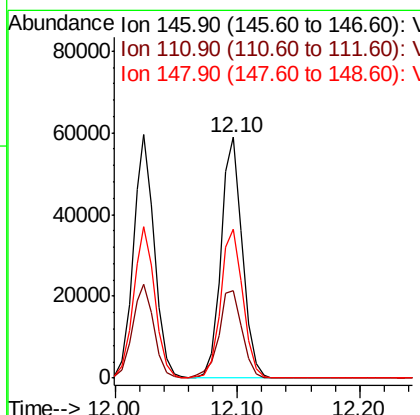
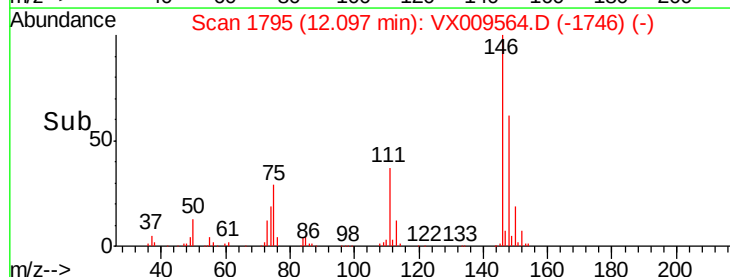
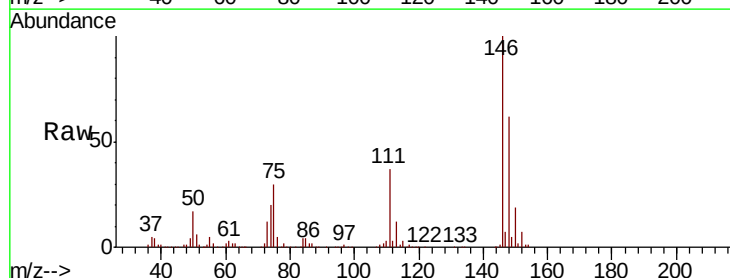
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0514WBSD01

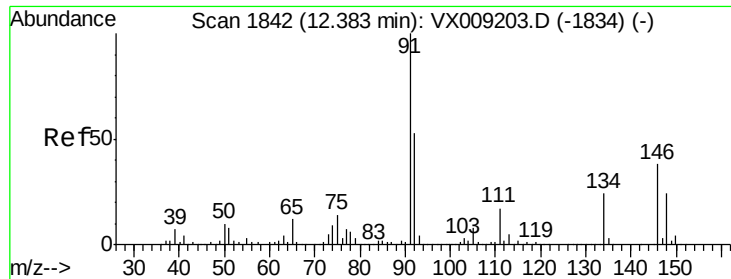
Tot Ion:146 Resp: 70950
 Ion Ratio Lower Upper
 146 100
 111 39.3 20.0 59.9
 148 63.5 31.8 95.3



#88
 1,4-Dichlorobenzene
 Concen: 20.090 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX009564.D
 Acq: 14 May 2019 16:03

Tgt Ion:146 Resp: 71076
 Ion Ratio Lower Upper
 146 100
 111 39.9 19.6 58.8
 148 64.2 31.8 95.3





#89

n-Butylbenzene

Concen: 20.329 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. -0.00 min

Lab File: VX009564.D

Acq: 14 May 2019 16:03

Instrument :

MSVOA_X

ClientSampled :

VX0514WBSD01

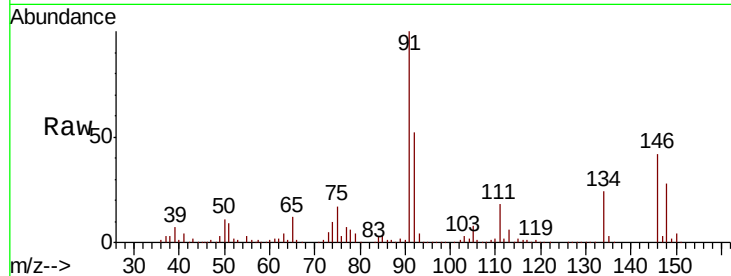
Tot Ion: 91 Resp: 127215

Ion Ratio Lower Upper

91 100

92 52.3 26.5 79.5

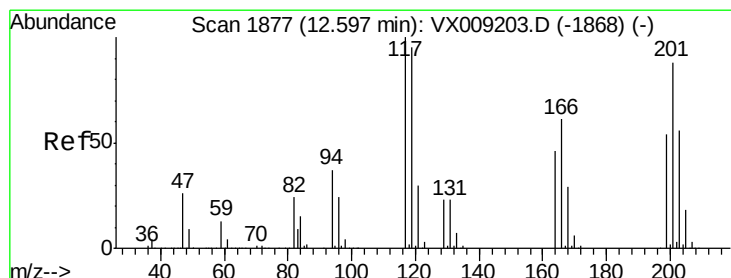
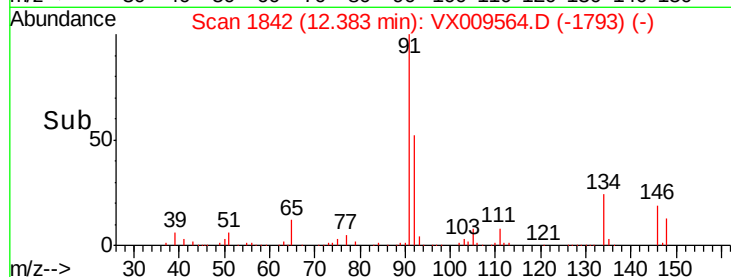
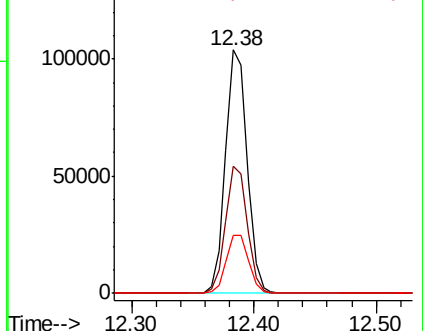
134 24.8 12.4 37.2



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 19.411 ug/l

RT: 12.60 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VX009564.D

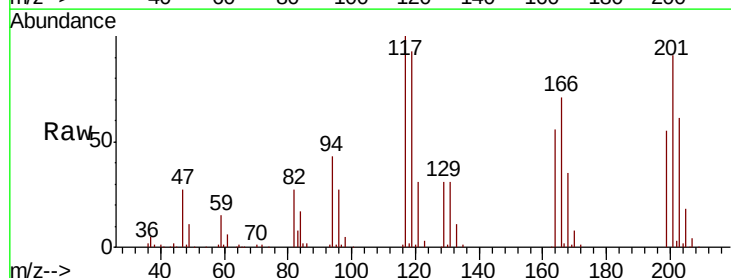
Acq: 14 May 2019 16:03

Tgt Ion: 117 Resp: 22896

Ion Ratio Lower Upper

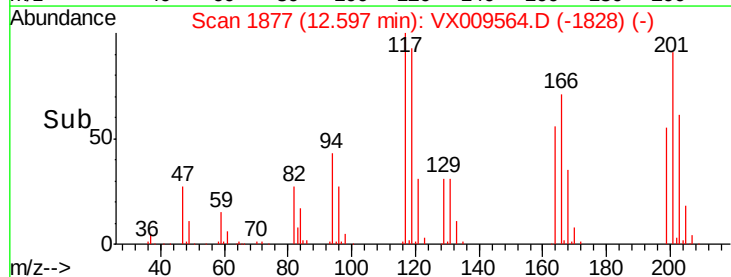
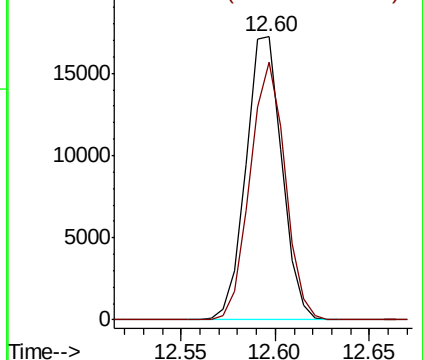
117 100

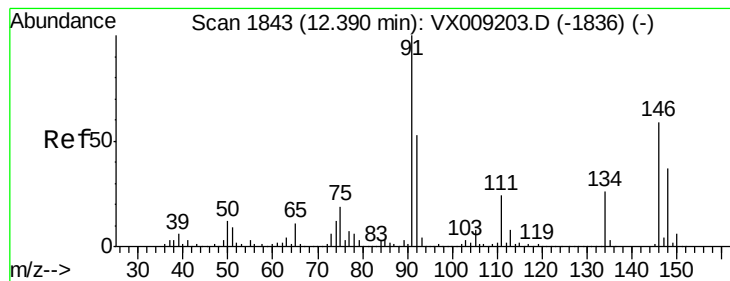
201 88.4 42.3 126.9



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 20.105 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX009564.D

Acq: 14 May 2019 16:03

Instrument :

MSVOA_X

ClientSampleId :

VX0514WBSD01

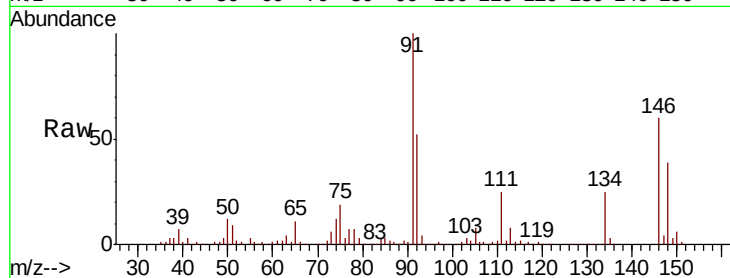
Tot Ion:146 Resp: 71858

Ion Ratio Lower Upper

146 100

111 41.1 20.8 62.4

148 64.8 31.9 95.9

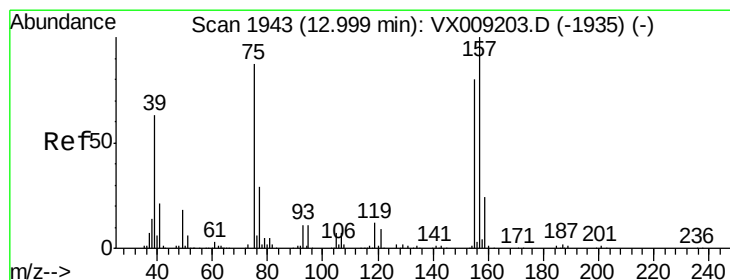
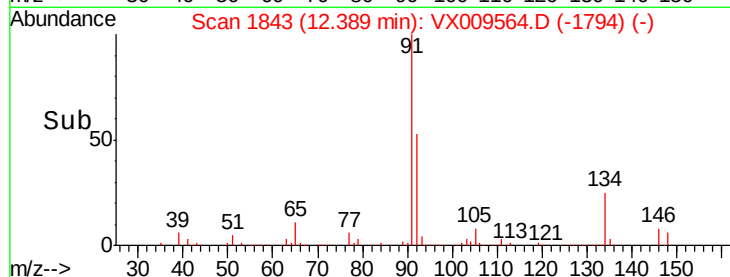
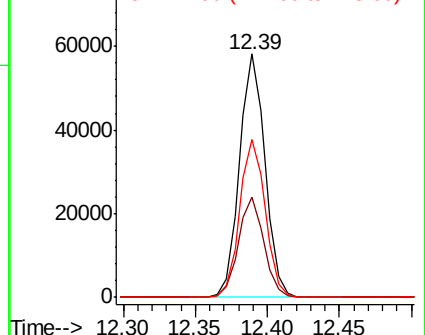


Abundance

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: 20.333 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VX009564.D

Acq: 14 May 2019 16:03

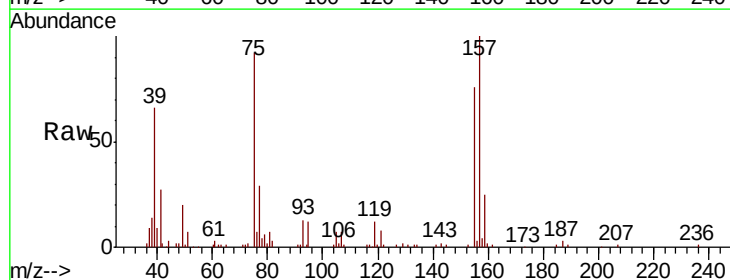
Tgt Ion: 75 Resp: 13485

Ion Ratio Lower Upper

75 100

155 78.8 42.0 126.0

157 102.0 53.2 159.6

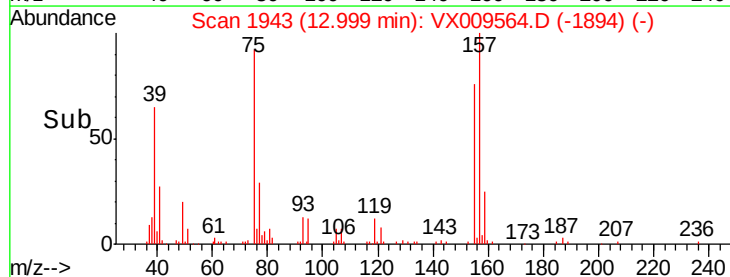
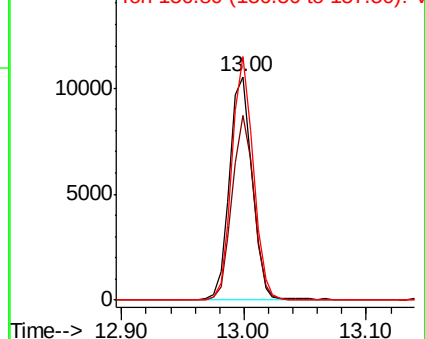


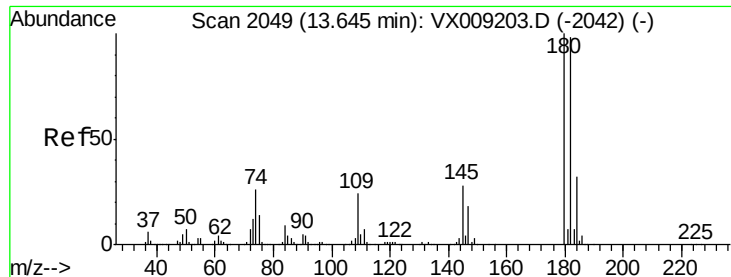
Abundance

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

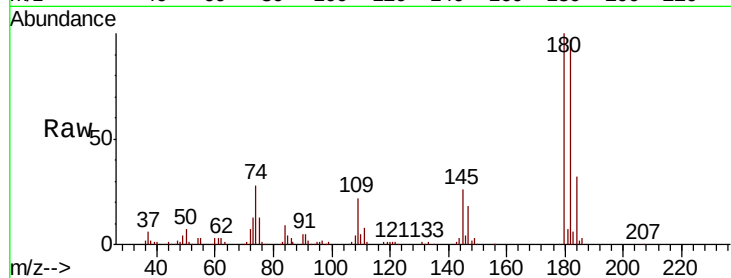




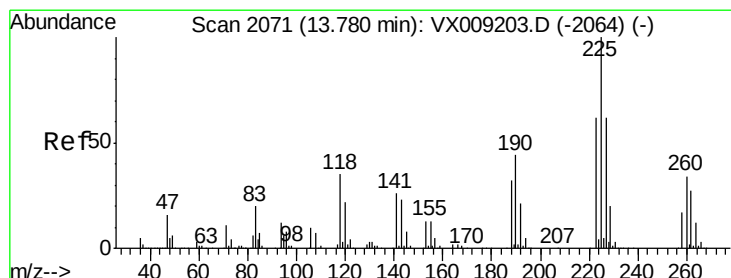
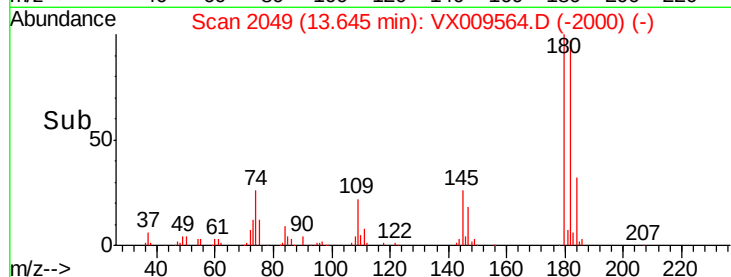
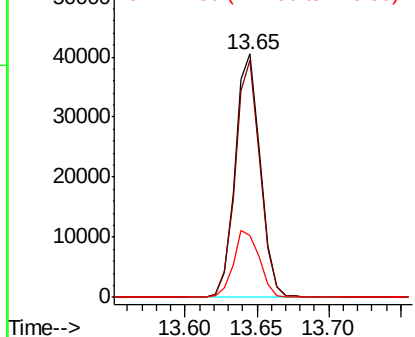
#93
 1,2,4-Trichlorobenzene
 Concen: 20.239 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX009564.D
 Acq: 14 May 2019 16:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0514WBSD01

Tot Ion:180 Resp: 49466
 Ion Ratio Lower Upper
 180 100
 182 95.8 48.4 145.2
 145 28.5 14.6 43.8

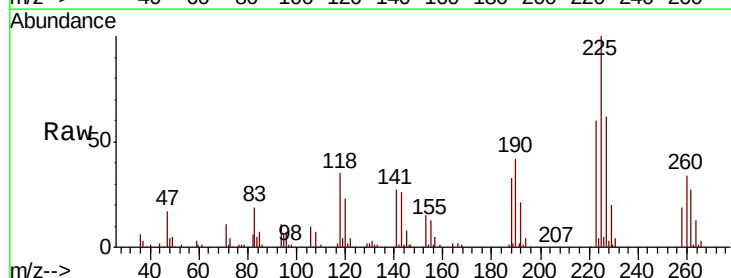


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

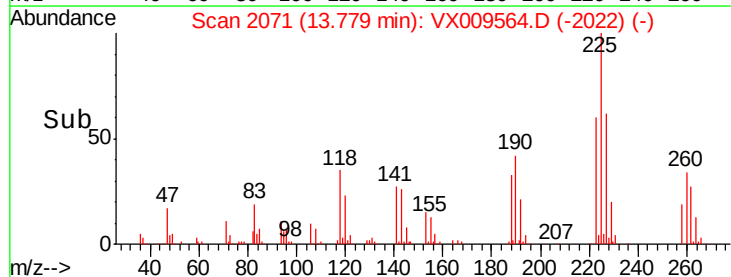
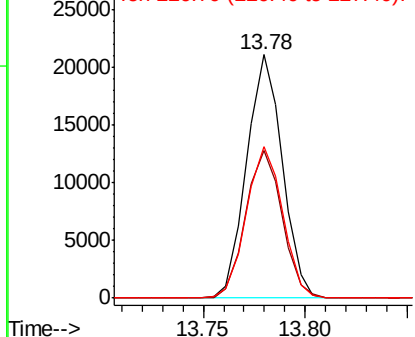


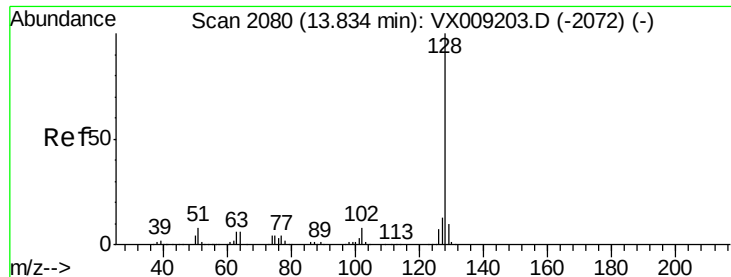
#94
 Hexachlorobutadiene
 Concen: 20.599 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX009564.D
 Acq: 14 May 2019 16:03

Tgt Ion:225 Resp: 25710
 Ion Ratio Lower Upper
 225 100
 223 61.9 31.3 93.8
 227 63.2 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

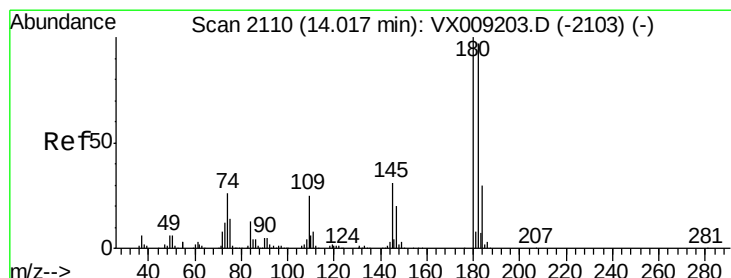
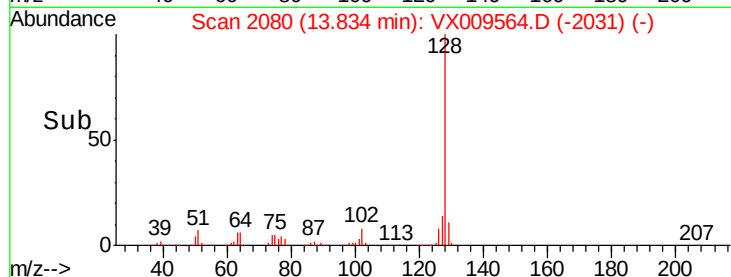
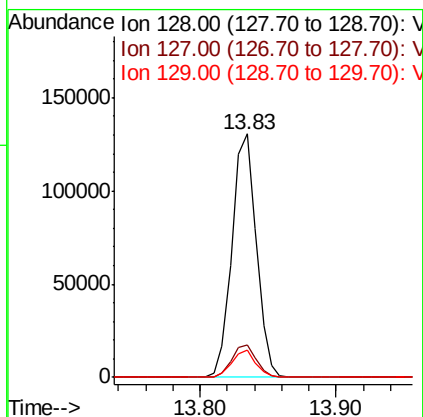
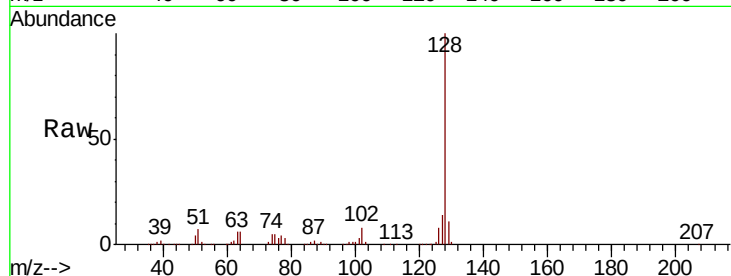




#95
Naphthalene
Concen: 20.578 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX009564.D
Acq: 14 May 2019 16:03

Instrument :
MSVOA_X
ClientSampled :
VX0514WBSD01

Tot Ion:128 Resp: 163634
Ion Ratio Lower Upper
128 100
127 13.4 10.4 15.6
129 10.9 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 20.718 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.00 min
Lab File: VX009564.D
Acq: 14 May 2019 16:03

Tgt Ion:180 Resp: 51330
Ion Ratio Lower Upper
180 100
182 95.0 47.8 143.4
145 31.2 15.4 46.4

