

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050319\
 Data File : VX009322.D
 Acq On : 03 May 2019 20:10
 Operator : JC/SP
 Sample : VX0503WBSD02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0503WBSD02

Quant Time: May 03 23:20:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 30 07:03:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	171515	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	276823	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	248346	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	118521	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	117647	50.25	ug/l	0.00
Spiked Amount			Recovery	=	100.50%	
35) Dibromofluoromethane	5.49	113	86533	49.73	ug/l	0.00
Spiked Amount			Recovery	=	99.46%	
50) Toluene-d8	8.71	98	348607	49.62	ug/l	0.00
Spiked Amount			Recovery	=	99.24%	
62) 4-Bromofluorobenzene	11.13	95	124815	48.89	ug/l	0.00
Spiked Amount			Recovery	=	97.78%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	29060	18.386	ug/l	97
3) Chloromethane	1.32	50	40492	18.765	ug/l	99
4) Vinyl Chloride	1.40	62	40406	19.203	ug/l	98
5) Bromomethane	1.64	94	22171	17.555	ug/l	99
6) Chloroethane	1.72	64	26553	19.655	ug/l	99
7) Trichlorofluoromethane	1.93	101	49840	19.486	ug/l	100
8) Diethyl Ether	2.19	74	23629	19.503	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	30951	19.270	ug/l	99
10) Methyl Iodide	2.51	142	27097	17.780	ug/l	100
11) Tert butyl alcohol	3.04	59	53936	99.518	ug/l	98
12) 1,1-Dichloroethene	2.37	96	30818	19.150	ug/l	96
13) Acrolein	2.29	56	37352	76.100	ug/l	100
14) Allyl chloride	2.73	41	72606	18.513	ug/l	98
15) Acrylonitrile	3.14	53	131681	99.370	ug/l	99
16) Acetone	2.44	43	115804	92.110	ug/l	99
17) Carbon Disulfide	2.57	76	78862	17.454	ug/l	99
18) Methyl Acetate	2.77	43	60031	20.078	ug/l	99
19) Methyl tert-butyl Ether	3.19	73	122909	19.668	ug/l	100
20) Methylene Chloride	2.85	84	37892	18.614	ug/l	96
21) trans-1,2-Dichloroethene	3.17	96	32698	18.735	ug/l	96
22) Diisopropyl ether	3.85	45	150792	19.993	ug/l	96
23) Vinyl Acetate	3.81	43	650647	100.743	ug/l	100
24) 1,1-Dichloroethane	3.70	63	72040	19.362	ug/l	99
25) 2-Butanone	4.67	43	194393	99.500	ug/l	99
26) 2,2-Dichloropropane	4.59	77	46772	16.889	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	40359	19.373	ug/l	98
28) Bromochloromethane	5.01	49	32470	20.037	ug/l	100
29) Tetrahydrofuran	5.13	42	128171	101.950	ug/l	100
30) Chloroform	5.21	83	65147	19.359	ug/l	98
31) Cyclohexane	5.58	56	65227	18.843	ug/l	96
32) 1,1,1-Trichloroethane	5.50	97	53084	18.950	ug/l	98
36) 1,1-Dichloropropene	5.80	75	48808	18.973	ug/l	99
37) Ethyl Acetate	4.84	43	72734	20.292	ug/l	99
38) Carbon Tetrachloride	5.78	117	44365	18.981	ug/l	98

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 Quant Title : SW846 8260
 QLast Update : Tue Apr 30 07:03:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	57660	18.251	ug/l	99
40) Benzene	6.14	78	153794	19.317	ug/l	97
41) Methacrylonitrile	5.04	41	42310	19.830	ug/l	99
42) 1,2-Dichloroethane	6.19	62	56093	19.641	ug/l	99
43) Isopropyl Acetate	6.44	43	112595	19.639	ug/l	99
44) Trichloroethene	7.21	130	35786	18.593	ug/l	99
45) 1,2-Dichloropropane	7.51	63	45133	20.020	ug/l	93
46) Dibromomethane	7.66	93	24715	18.879	ug/l	98
47) Bromodichloromethane	7.90	83	49670	19.020	ug/l	97
48) Methyl methacrylate	7.77	41	57230	20.120	ug/l	99
49) 1,4-Dioxane	7.74	88	23290	403.745	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	378646	101.042	ug/l	99
52) Toluene	8.79	92	92472	19.107	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	54149	18.366	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	61620	18.883	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	38918	19.711	ug/l	96
56) Ethyl methacrylate	9.18	69	68605	19.465	ug/l	99
57) 1,3-Dichloropropane	9.37	76	68173	19.621	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	181117	96.868	ug/l	99
59) 2-Hexanone	9.49	43	292655	99.435	ug/l	99
60) Dibromochloromethane	9.58	129	36139	18.740	ug/l	97
61) 1,2-Dibromoethane	9.67	107	39140	19.638	ug/l	100
64) Tetrachloroethene	9.34	164	33550	19.694	ug/l	98
65) Chlorobenzene	10.14	112	96477	19.420	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	34998	19.431	ug/l	99
67) Ethyl Benzene	10.25	91	173569	18.984	ug/l	100
68) m/p-Xylenes	10.36	106	127704	38.221	ug/l	98
69) o-Xylene	10.70	106	63055	19.127	ug/l	100
70) Styrene	10.71	104	110147	19.224	ug/l	99
71) Bromoform	10.85	173	27511	18.796	ug/l #	99
73) Isopropylbenzene	11.02	105	169131	19.624	ug/l	100
74) N-amyl acetate	10.90	43	99662	19.834	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	63833	19.868	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	71917	26.159	ug/l	82
77) Bromobenzene	11.26	156	41581	19.438	ug/l	99
78) n-propylbenzene	11.36	91	189502	19.252	ug/l	99
79) 2-Chlorotoluene	11.42	91	116657	19.210	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	142805	19.678	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	18830	17.524	ug/l	92
82) 4-Chlorotoluene	11.51	91	130845	19.073	ug/l	100
83) tert-Butylbenzene	11.77	119	135338	19.171	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	143307	19.674	ug/l	99
85) sec-Butylbenzene	11.94	105	162414	19.405	ug/l	100
86) p-Isopropyltoluene	12.06	119	146222	19.433	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	73455	19.262	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	72416	18.835	ug/l	97
89) n-Butylbenzene	12.38	91	128230	18.855	ug/l	99
90) Hexachloroethane	12.60	117	24049	18.761	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	74347	19.141	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	15101	20.952	ug/l	94

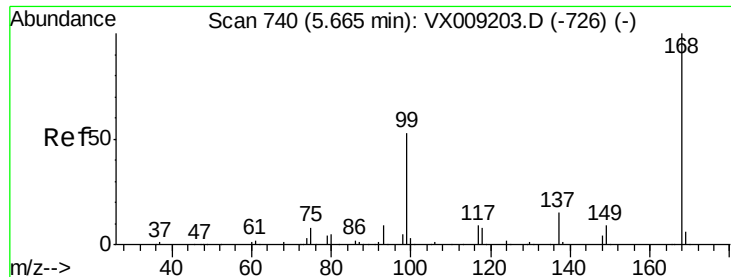
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Quant Time: May 03 23:20:46 2019
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Quant Title : SW846 8260
QLast Update : Tue Apr 30 07:03:50 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	50936	19.177	ug/l	100
94) Hexachlorobutadiene	13.78	225	25302	18.654	ug/l	99
95) Naphthalene	13.83	128	176032	20.370	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	52383	19.455	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX009322.D

Acq: 03 May 2019 20:10

Instrument :

MSVOA_X

ClientSampleId :

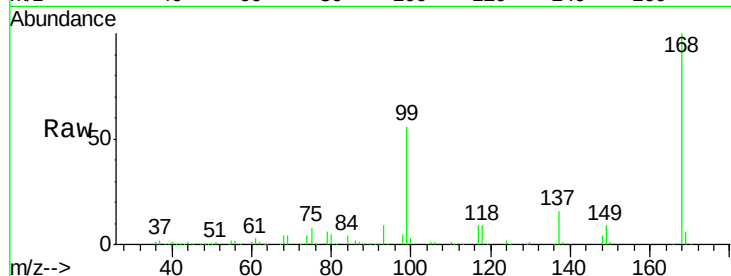
VX0503WBSD02

Tot Ion:168 Resp: 171515

Ion Ratio Lower Upper

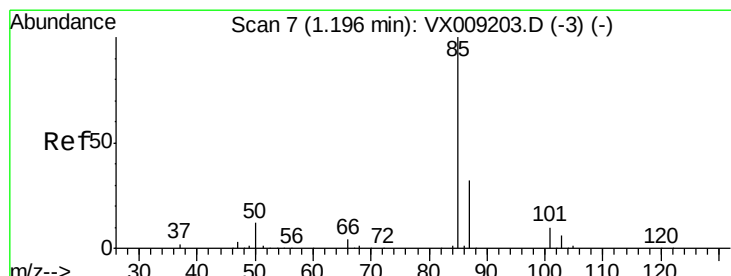
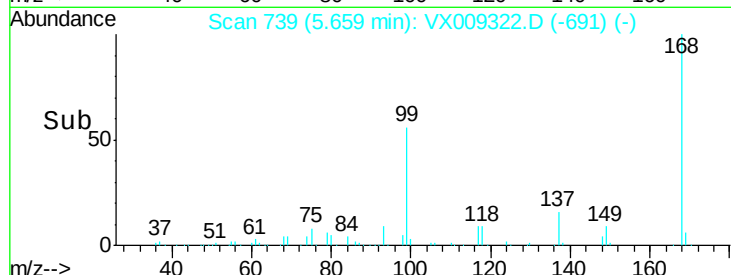
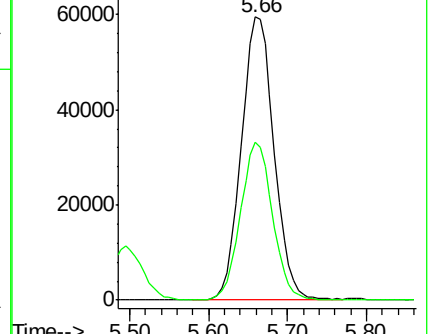
168 100

99 55.7 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 18.386 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX009322.D

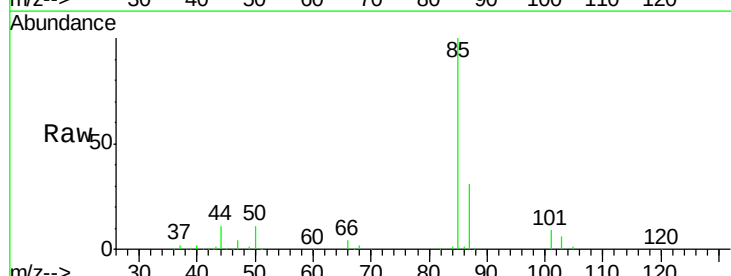
Acq: 03 May 2019 20:10

Tgt Ion: 85 Resp: 29060

Ion Ratio Lower Upper

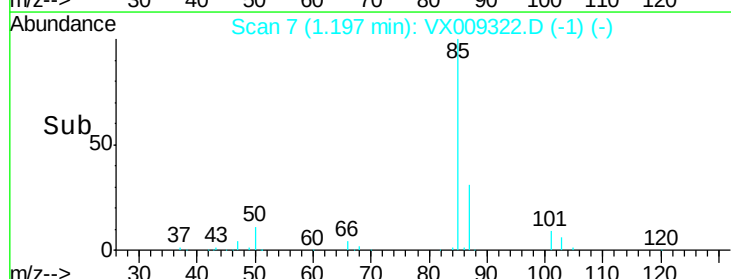
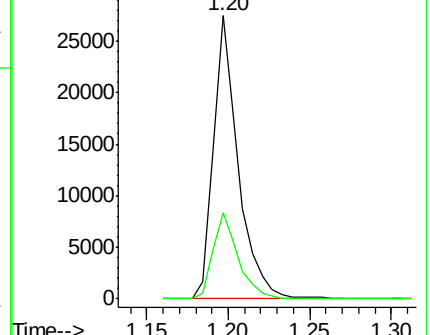
85 100

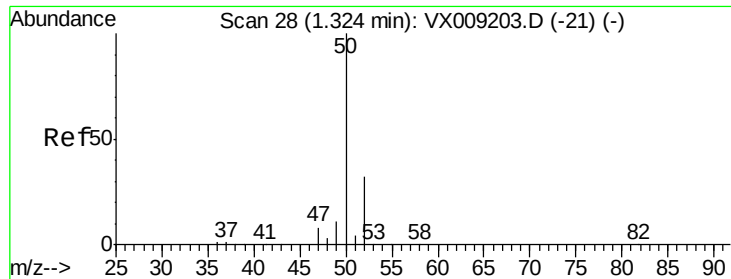
87 30.6 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 18.765 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX009322.D

Acq: 03 May 2019 20:10

Instrument :

MSVOA_X

ClientSampleId :

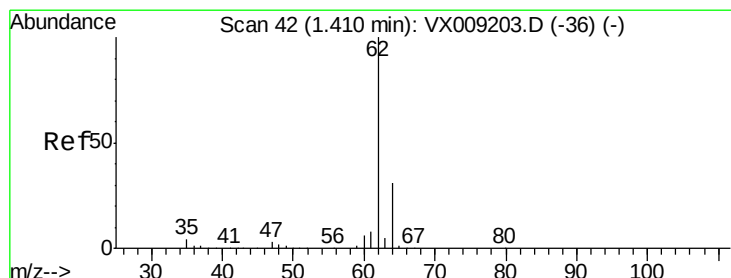
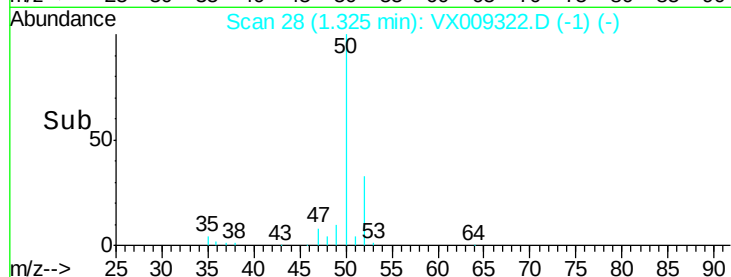
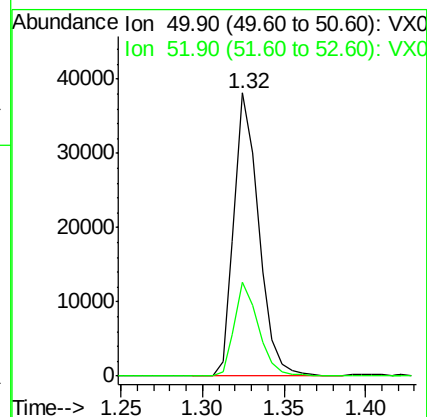
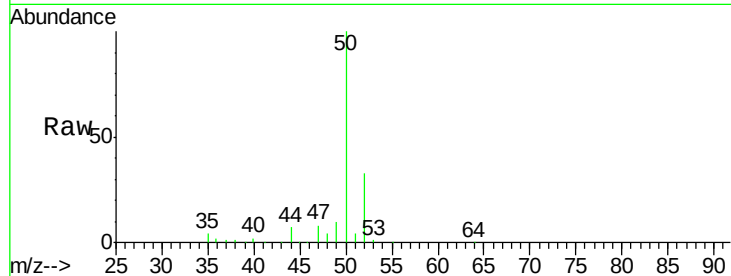
VX0503WBSD02

Tot Ion: 50 Resp: 40492

Ion Ratio Lower Upper

50 100

52 33.2 25.9 38.9



#4

Vinyl Chloride

Concen: 19.203 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.01 min

Lab File: VX009322.D

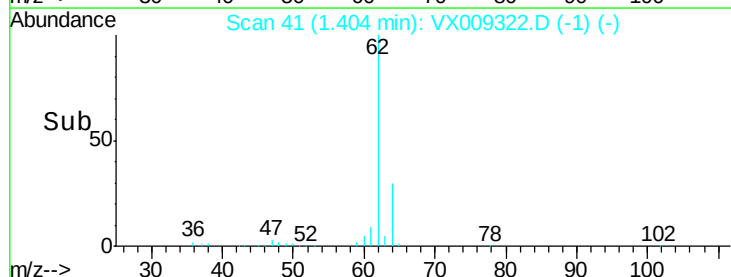
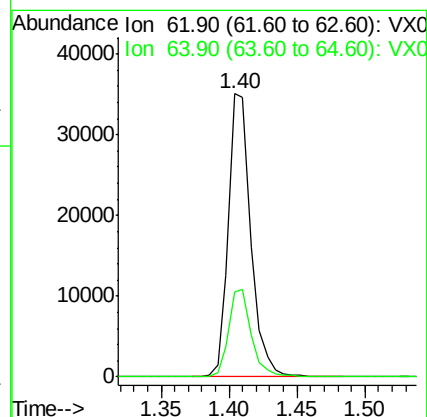
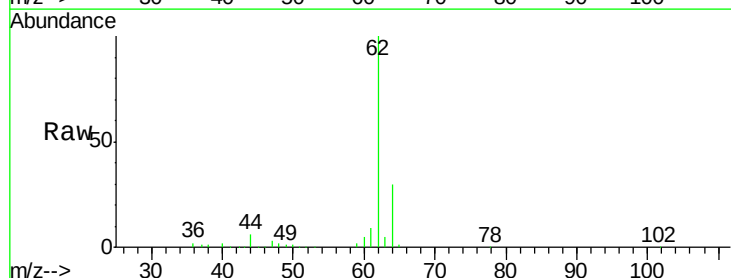
Acq: 03 May 2019 20:10

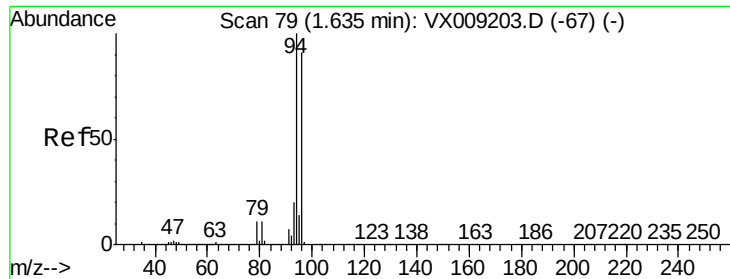
Tgt Ion: 62 Resp: 40406

Ion Ratio Lower Upper

62 100

64 29.8 24.6 36.8





#5

Bromomethane

Concen: 17.555 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX009322.D

Acq: 03 May 2019 20:10

Instrument :

MSVOA_X

ClientSampleId :

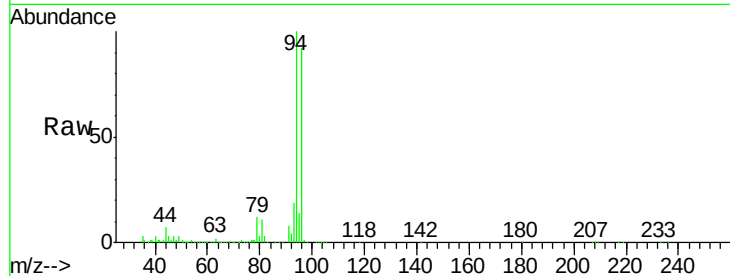
VX0503WBSD02

Tot Ion: 94 Resp: 22171

Ion Ratio Lower Upper

94 100

96 91.8 73.0 109.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

25000

20000

15000

10000

5000

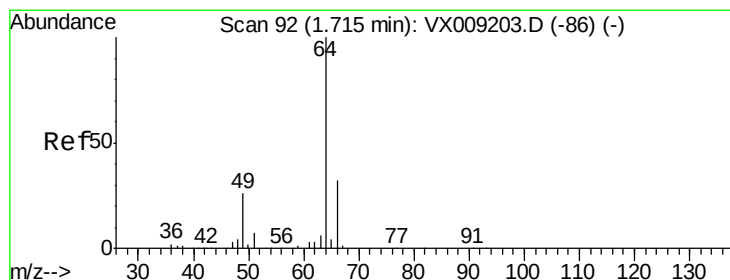
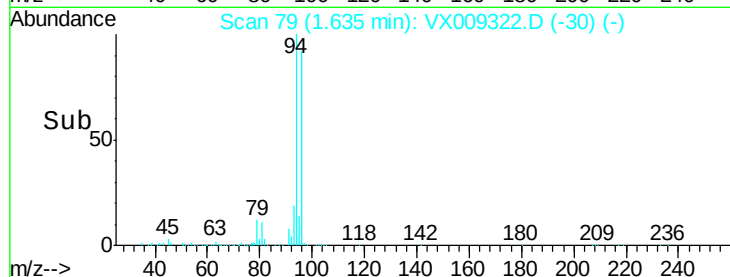
0

1.60

1.65

1.70

Time-->



#6

Chloroethane

Concen: 19.655 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX009322.D

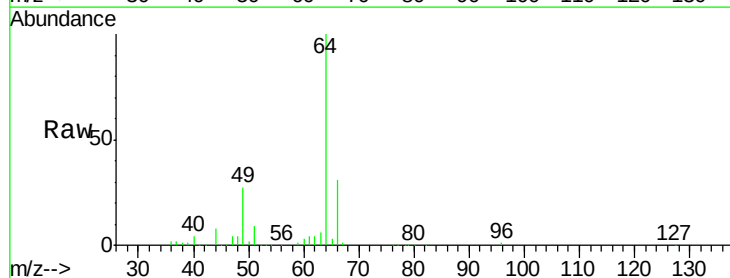
Acq: 03 May 2019 20:10

Tgt Ion: 64 Resp: 26553

Ion Ratio Lower Upper

64 100

66 31.0 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

10000

5000

0

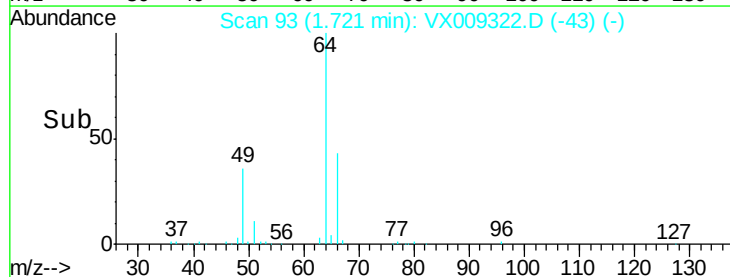
1.65

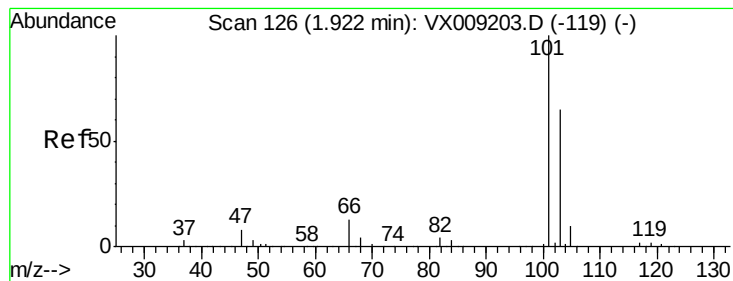
1.70

1.75

1.80

Time-->



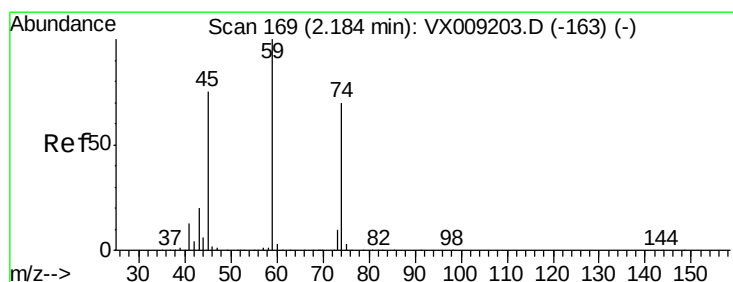
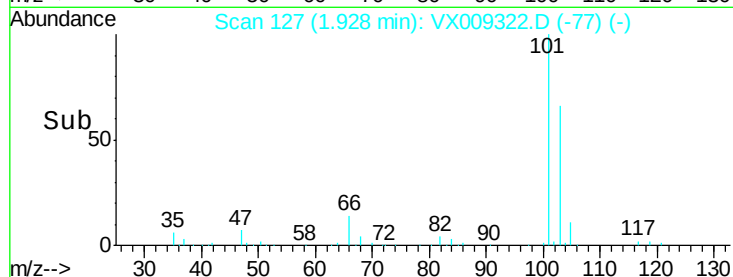
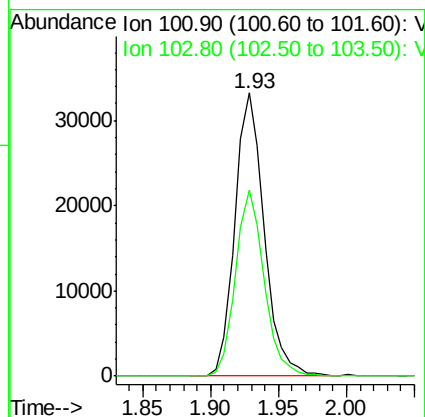
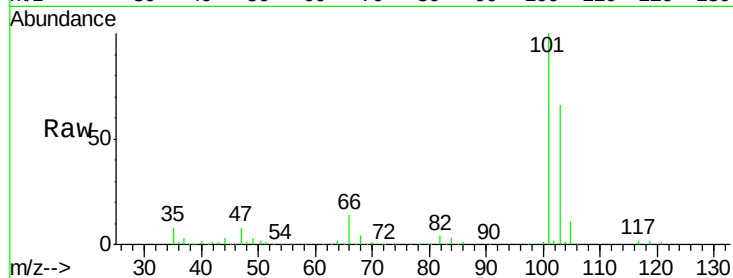


#7

Trichlorofluoromethane
Concen: 19.486 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.01 min
Lab File: VX009322.D
Acq: 03 May 2019 20:10

Instrument :
MSVOA_X
ClientSampleId :
VX0503WBSD02

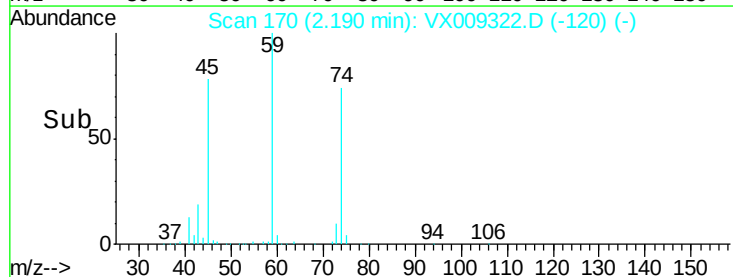
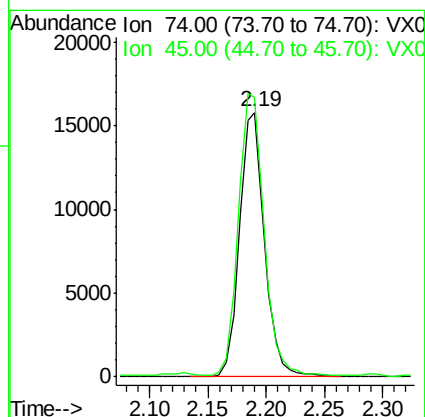
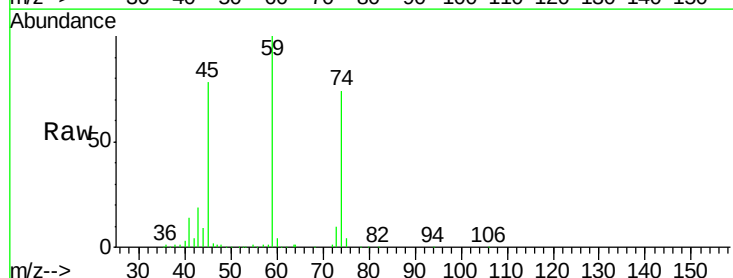
Tot Ion:101 Resp: 49840
Ion Ratio Lower Upper
101 100
103 65.8 52.4 78.6

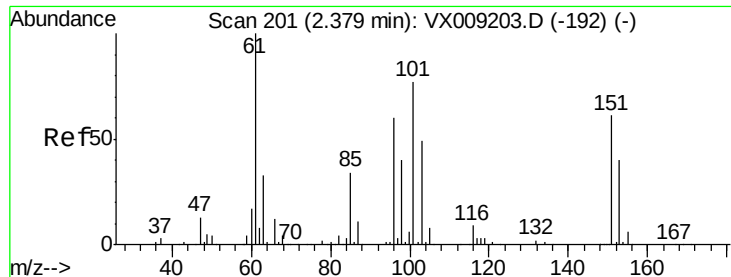


#8

Diethyl Ether
Concen: 19.503 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.01 min
Lab File: VX009322.D
Acq: 03 May 2019 20:10

Tgt Ion: 74 Resp: 23629
Ion Ratio Lower Upper
74 100
45 108.9 53.3 159.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.270 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX009322.D

Acq: 03 May 2019 20:10

Instrument :

MSVOA_X

ClientSampleId :

VX0503WBSD02

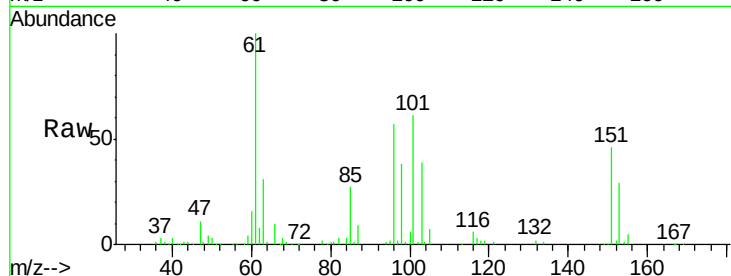
Tot Ion:101 Resp: 30951

Ion Ratio Lower Upper

101 100

85 43.5 35.7 53.5

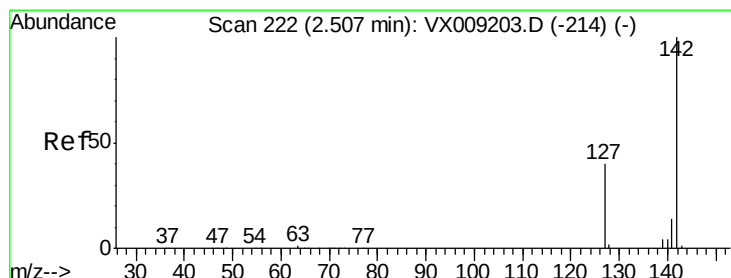
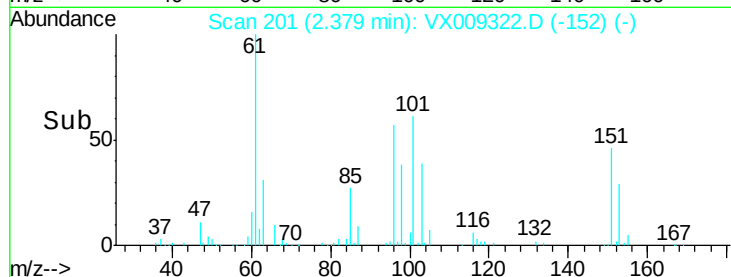
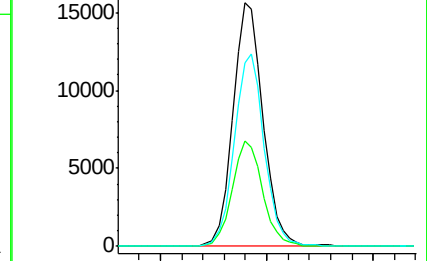
151 78.6 62.2 93.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 17.780 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX009322.D

Acq: 03 May 2019 20:10

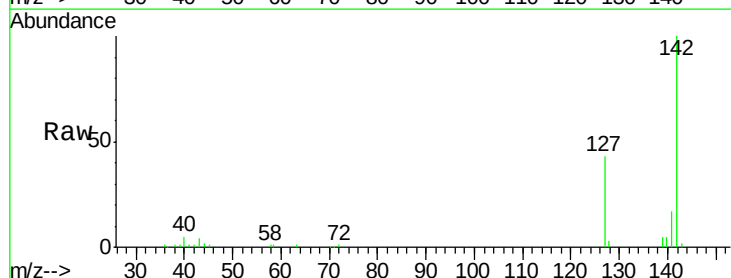
Tgt Ion:142 Resp: 27097

Ion Ratio Lower Upper

142 100

127 40.8 32.7 49.1

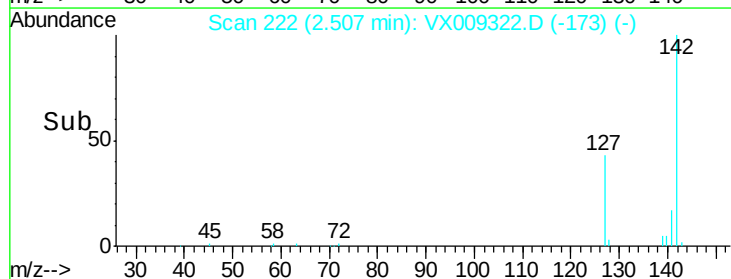
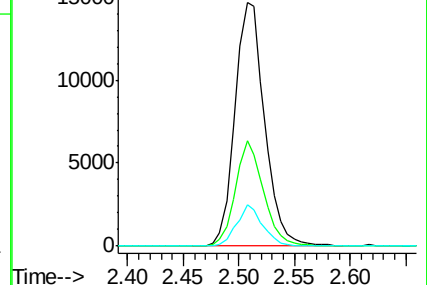
141 14.9 11.5 17.3

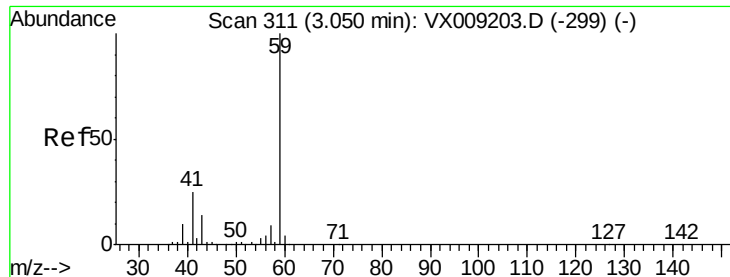


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

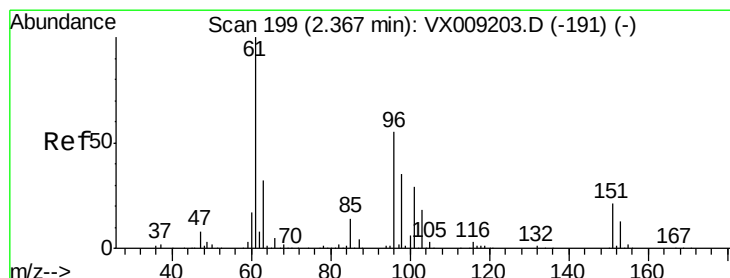
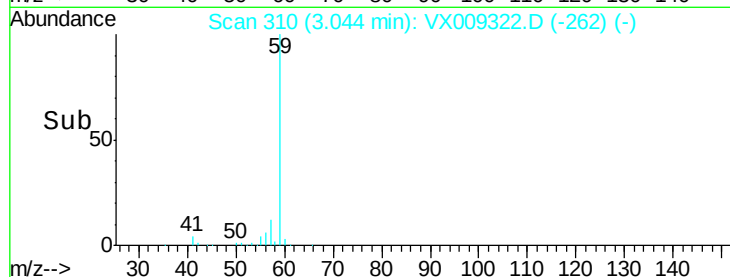
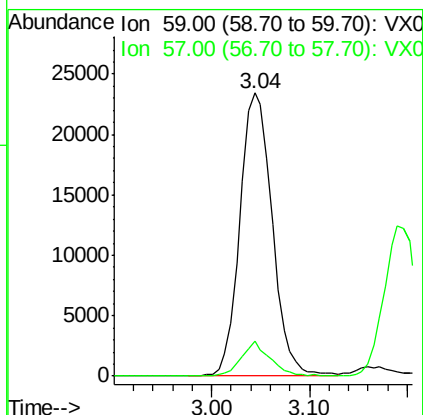
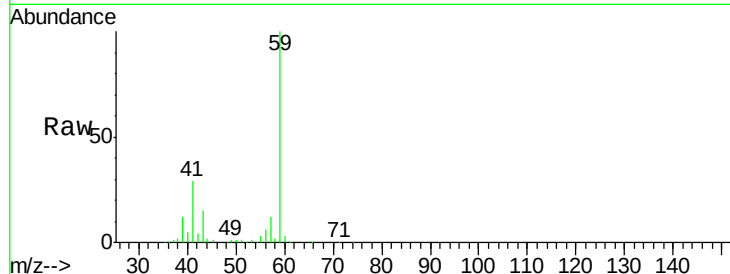




#11
Tert butyl alcohol
Concen: 99.518 ug/l
RT: 3.04 min Scan# 310
Delta R.T. -0.01 min
Lab File: VX009322.D
Acq: 03 May 2019 20:10

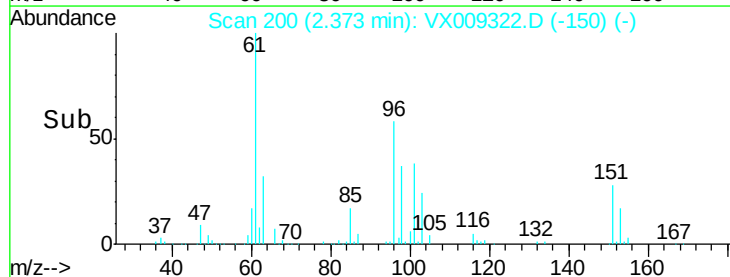
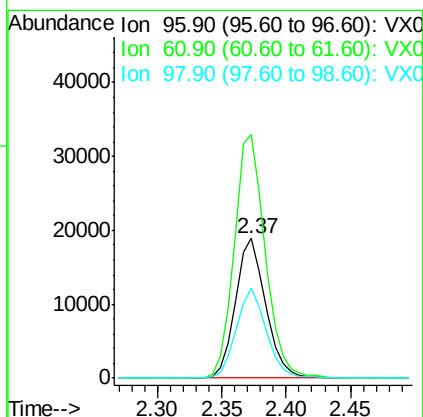
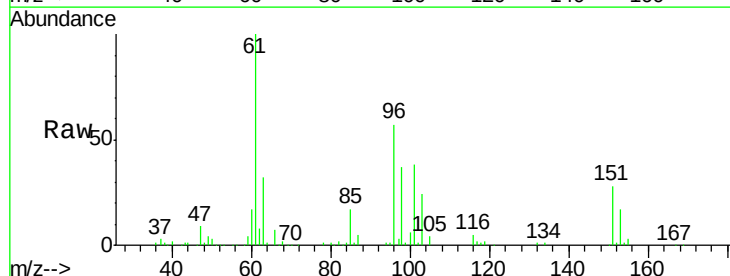
Instrument :
MSVOA_X
ClientSampleId :
VX0503WBSD02

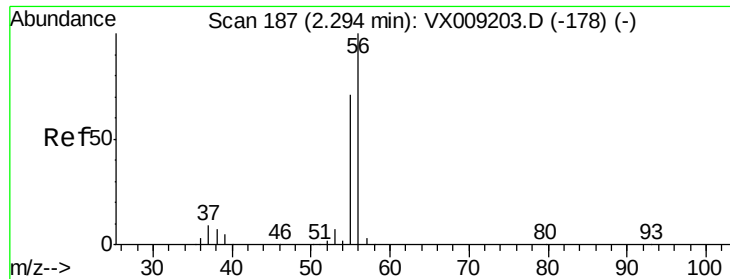
Tot Ion: 59 Resp: 53936
Ion Ratio Lower Upper
59 100
57 10.9 8.2 12.2



#12
1,1-Dichloroethene
Concen: 19.150 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.01 min
Lab File: VX009322.D
Acq: 03 May 2019 20:10

Tgt Ion: 96 Resp: 30818
Ion Ratio Lower Upper
96 100
61 174.2 144.3 216.5
98 64.7 50.3 75.5





#13

Acrolein

Concen: 76.100 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX009322.D

Acq: 03 May 2019 20:10

Instrument :

MSVOA_X

ClientSampleId :

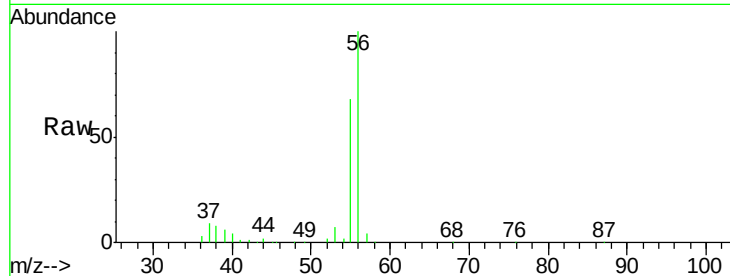
VX0503WBSD02

Tot Ion: 56 Resp: 37352

Ion Ratio Lower Upper

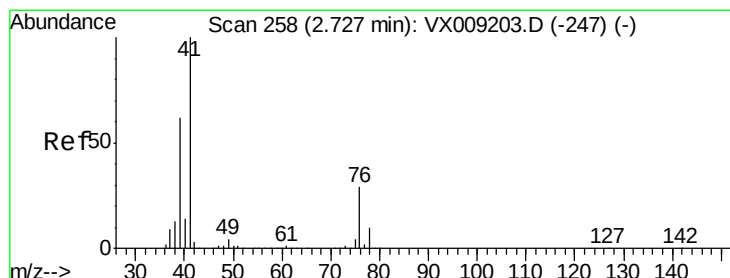
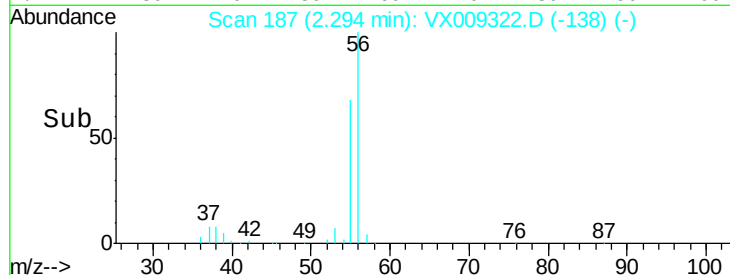
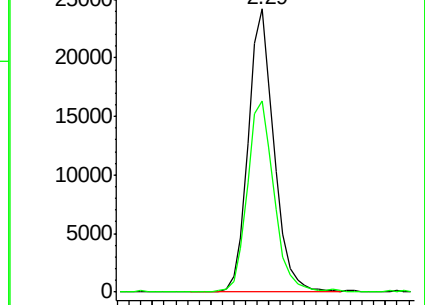
56 100

55 70.8 56.6 85.0



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 18.513 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX009322.D

Acq: 03 May 2019 20:10

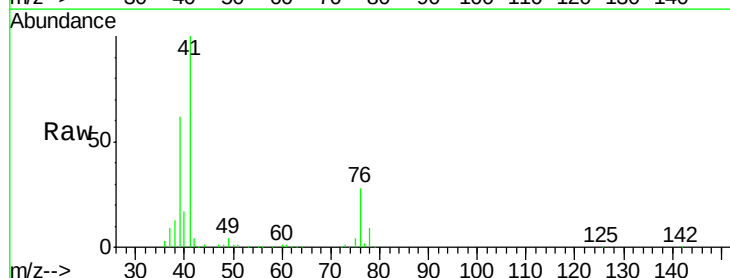
Tgt Ion: 41 Resp: 72606

Ion Ratio Lower Upper

41 100

39 59.7 46.7 70.1

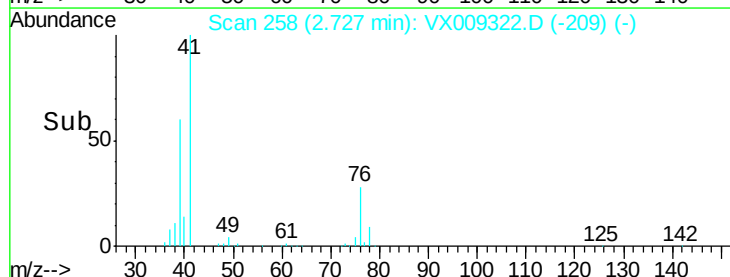
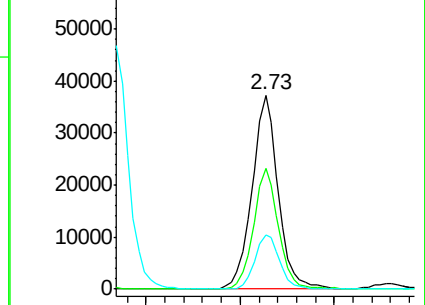
76 26.6 21.8 32.8

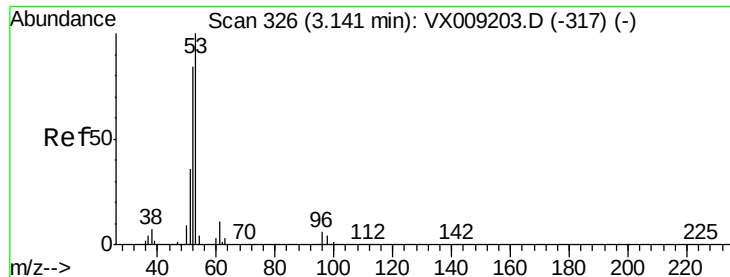


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 99.370 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX009322.D

Acq: 03 May 2019 20:10

Instrument :

MSVOA_X

ClientSampleId :

VX0503WBSD02

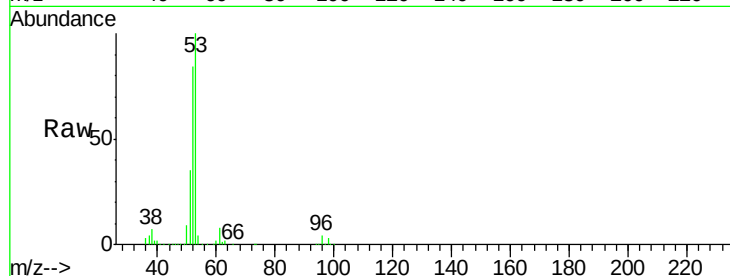
Tot Ion: 53 Resp: 131681

Ion Ratio Lower Upper

53 100

52 83.9 66.9 100.3

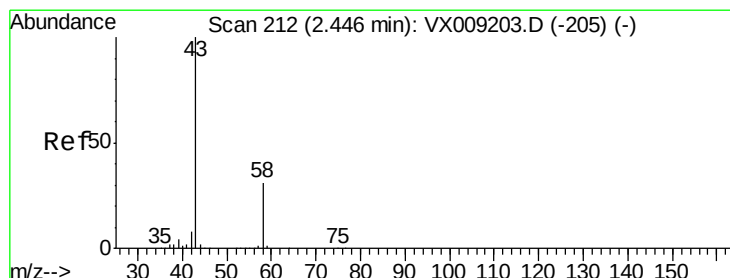
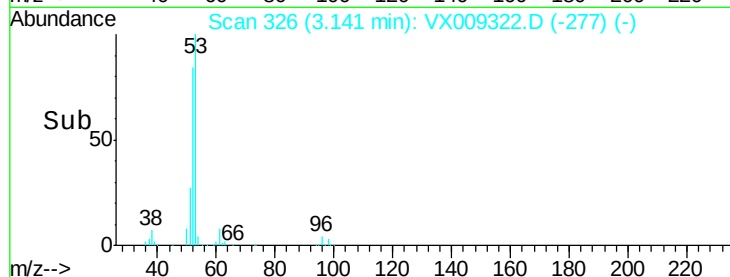
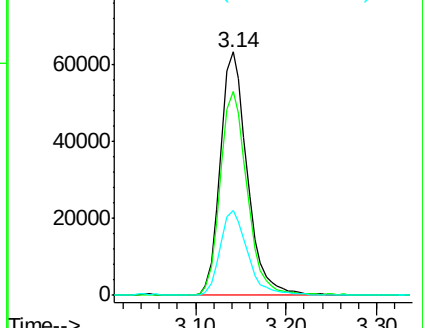
51 35.7 28.2 42.2



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 92.110 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX009322.D

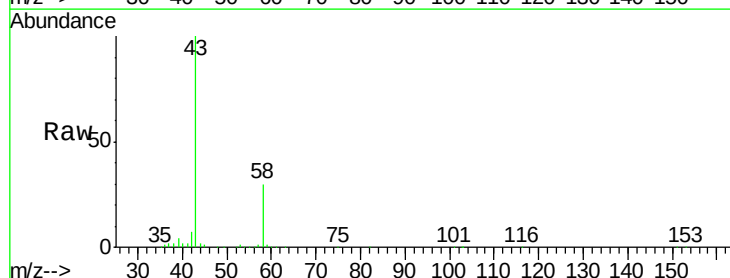
Acq: 03 May 2019 20:10

Tgt Ion: 43 Resp: 115804

Ion Ratio Lower Upper

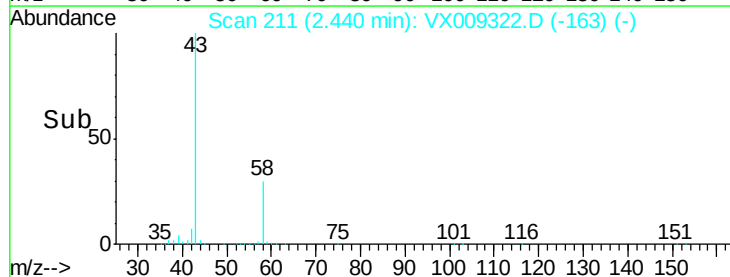
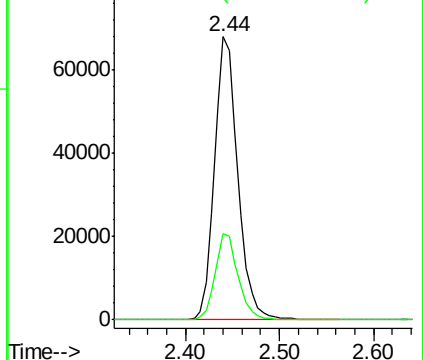
43 100

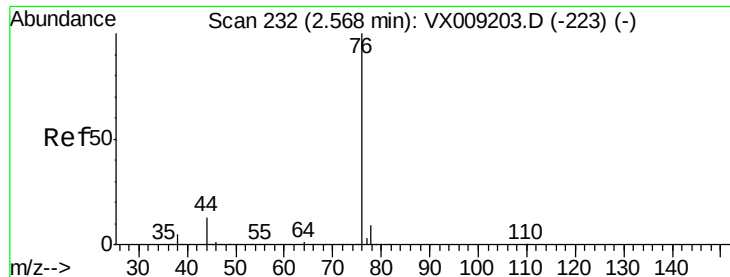
58 30.4 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 17.454 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX009322.D

Acq: 03 May 2019 20:10

Instrument :

MSVOA_X

ClientSampleId :

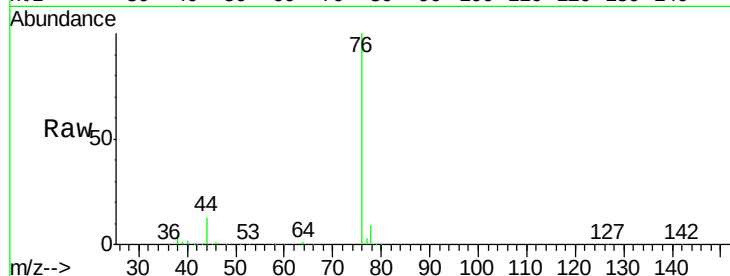
VX0503WBSD02

Tot Ion: 76 Resp: 78862

Ion Ratio Lower Upper

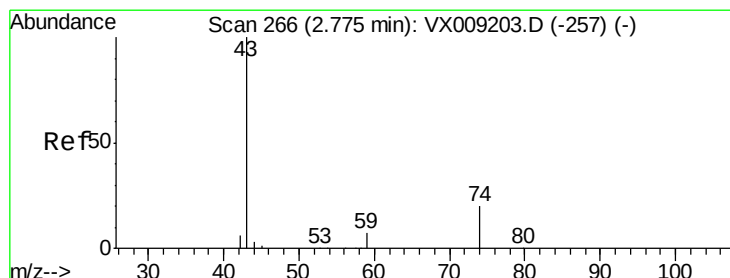
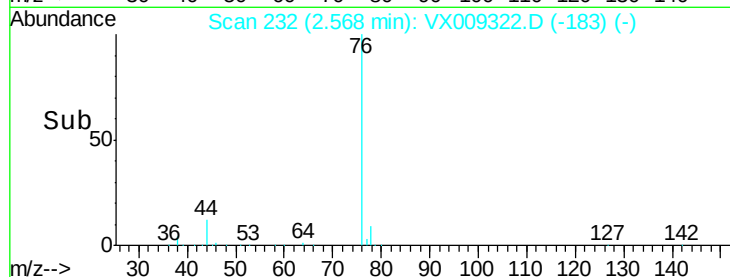
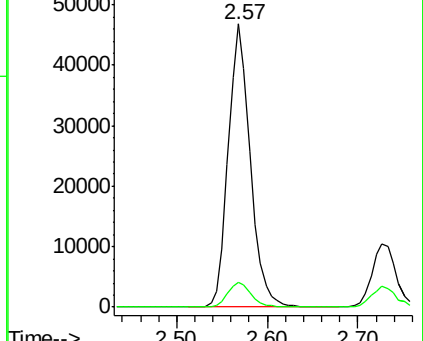
76 100

78 8.8 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 20.078 ug/l

RT: 2.77 min Scan# 265

Delta R.T. -0.01 min

Lab File: VX009322.D

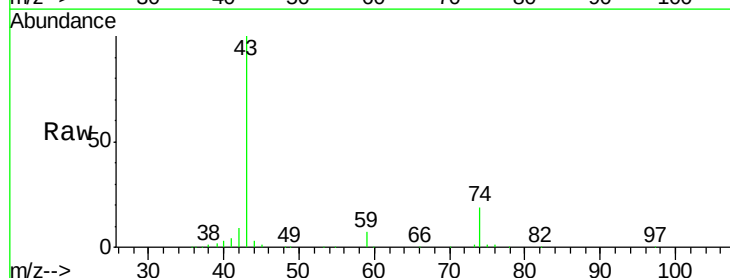
Acq: 03 May 2019 20:10

Tgt Ion: 43 Resp: 60031

Ion Ratio Lower Upper

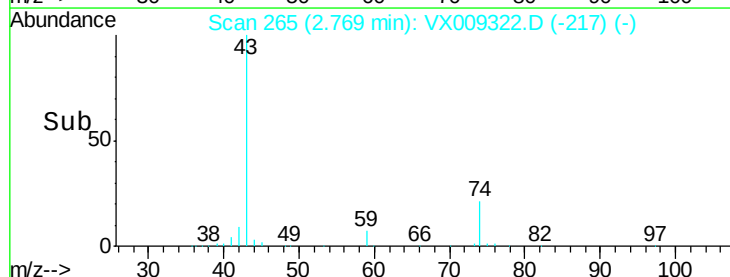
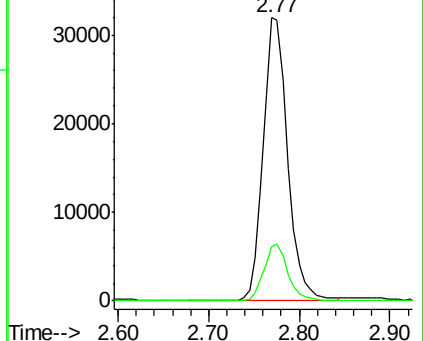
43 100

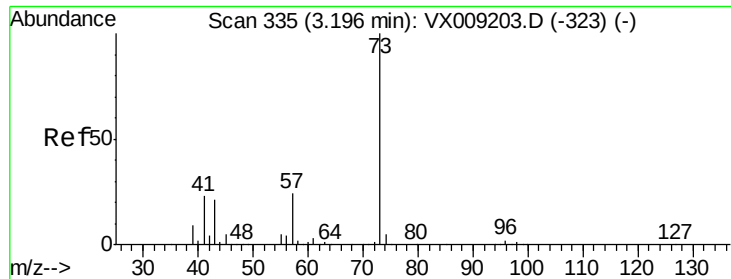
74 19.9 16.2 24.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

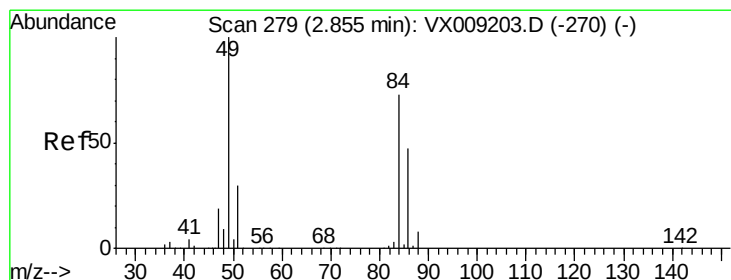
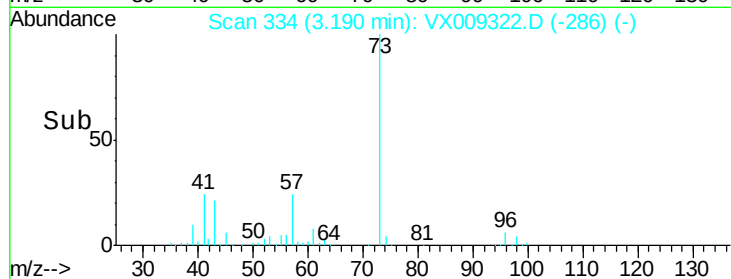
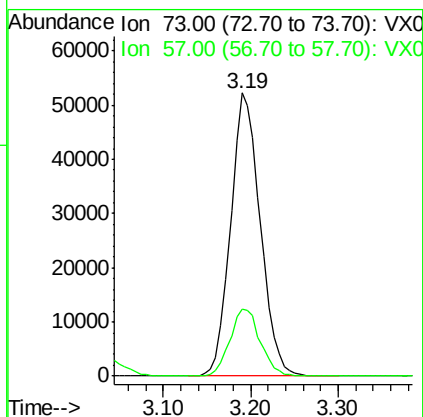
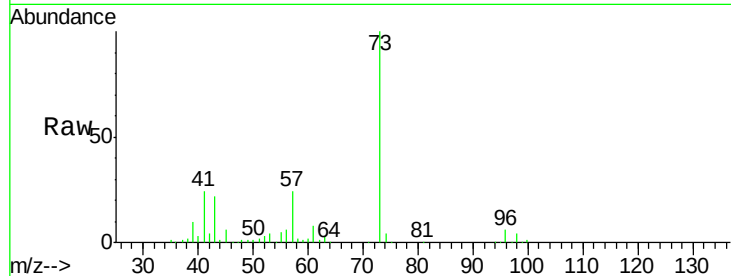




#19
Methyl tert-butyl Ether
Concen: 19.668 ug/l
RT: 3.19 min Scan# 334
Delta R.T. -0.01 min
Lab File: VX009322.D
Acq: 03 May 2019 20:10

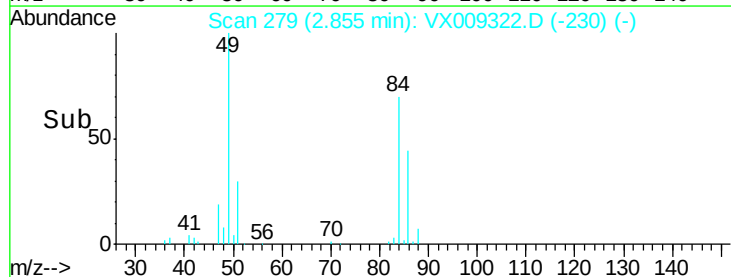
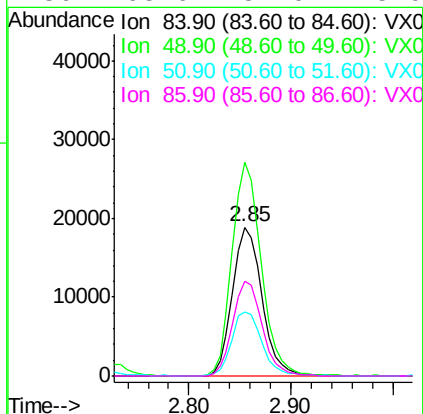
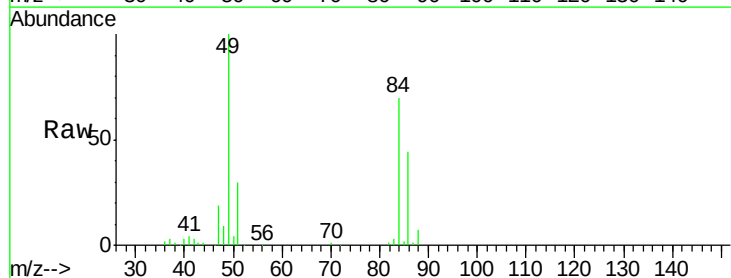
Instrument :
MSVOA_X
ClientSampleId :
VX0503WBSD02

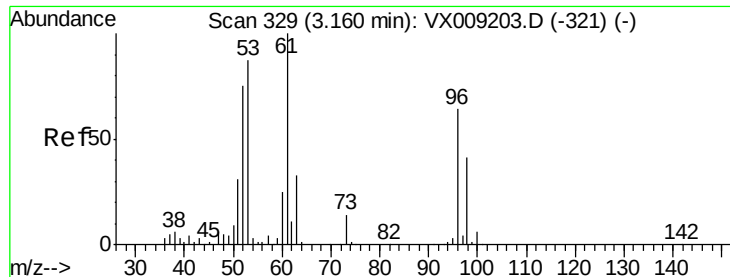
Tot Ion: 73 Resp: 122909
Ion Ratio Lower Upper
73 100
57 23.9 19.3 28.9



#20
Methylene Chloride
Concen: 18.614 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX009322.D
Acq: 03 May 2019 20:10

Tgt Ion: 84 Resp: 37892
Ion Ratio Lower Upper
84 100
49 143.6 109.9 164.9
51 43.4 32.7 49.1
86 63.6 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 18.735 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX009322.D

Acq: 03 May 2019 20:10

Instrument :

MSVOA_X

ClientSampleId :

VX0503WBSD02

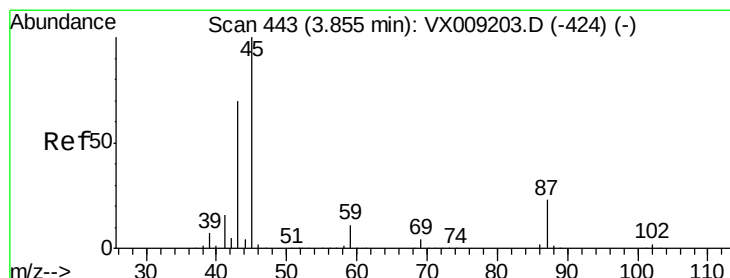
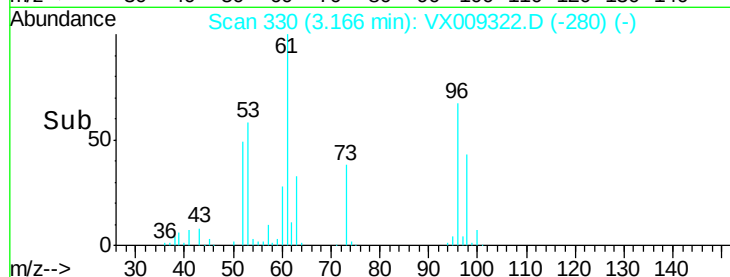
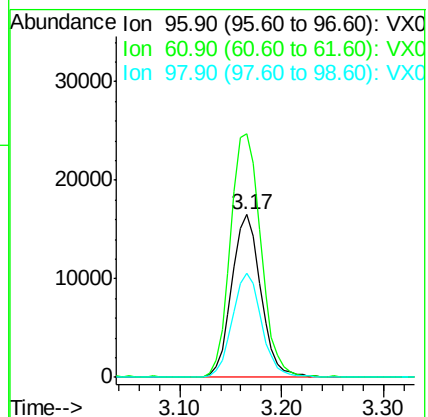
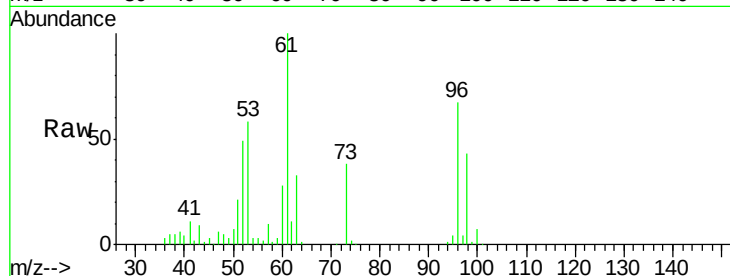
Tot Ion: 96 Resp: 32698

Ion Ratio Lower Upper

96 100

61 149.9 124.5 186.7

98 64.1 50.4 75.6



#22

Diisopropyl ether

Concen: 19.993 ug/l

RT: 3.85 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX009322.D

Acq: 03 May 2019 20:10

Tgt Ion: 45 Resp: 150792

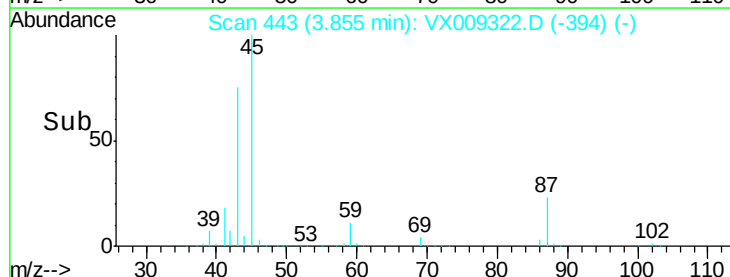
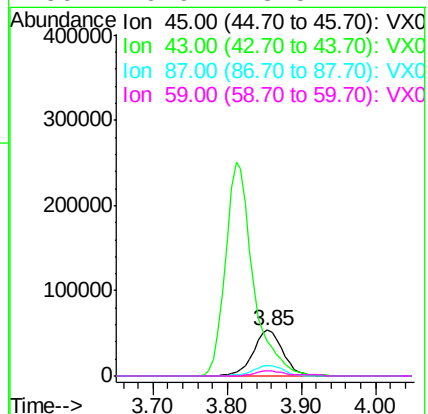
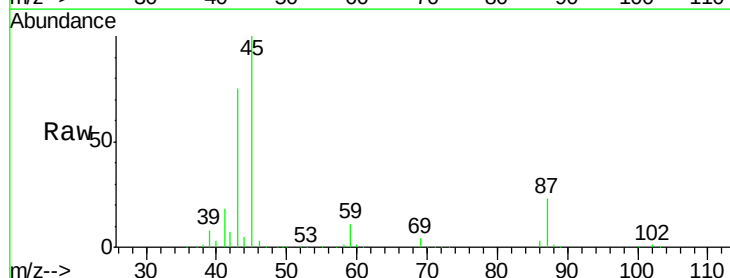
Ion Ratio Lower Upper

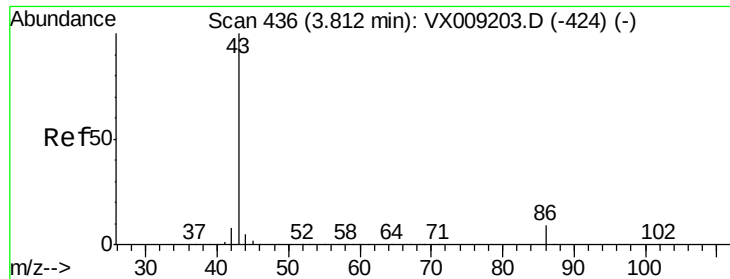
45 100

43 74.5 56.1 84.1

87 23.2 18.1 27.1

59 10.9 8.5 12.7





#23

Vinyl Acetate

Concen: 100.743 ug/l

RT: 3.81 min Scan# 436

Delta R.T. 0.00 min

Lab File: VX009322.D

Acq: 03 May 2019 20:10

Instrument :

MSVOA_X

ClientSampleId :

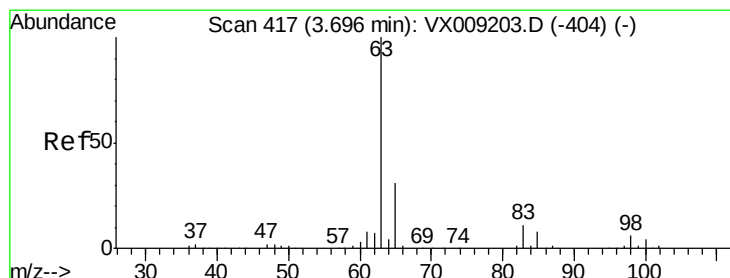
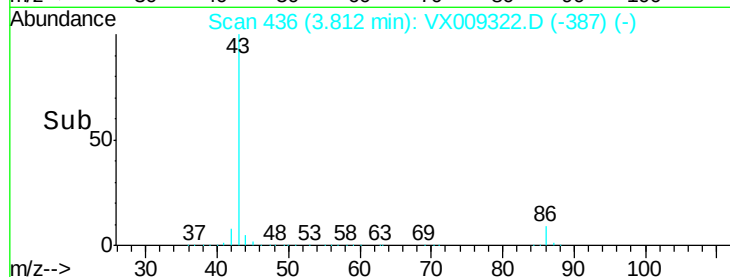
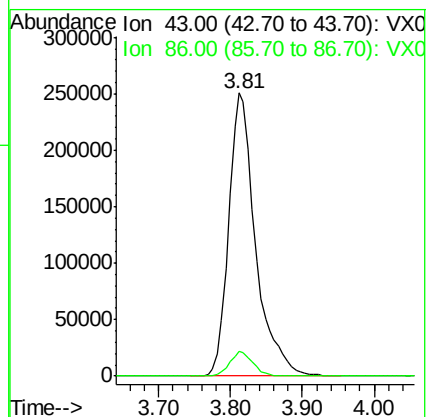
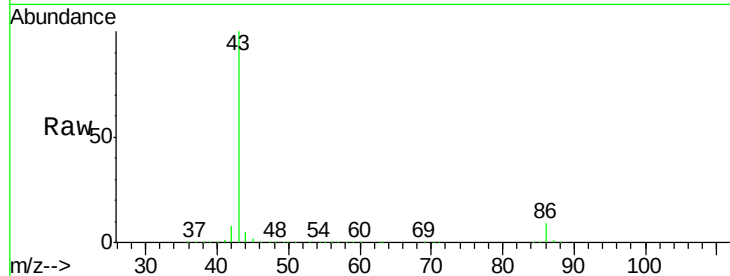
VX0503WBSD02

Tot Ion: 43 Resp: 650647

Ion Ratio Lower Upper

43 100

86 8.6 6.9 10.3



#24

1,1-Dichloroethane

Concen: 19.362 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX009322.D

Acq: 03 May 2019 20:10

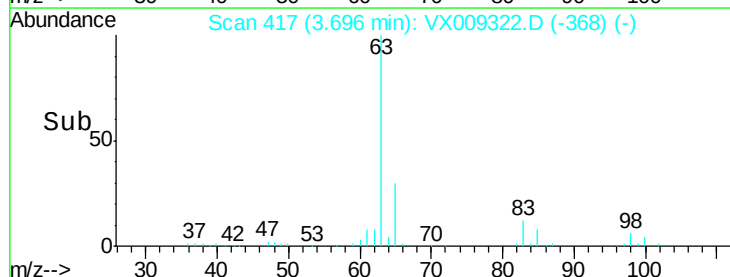
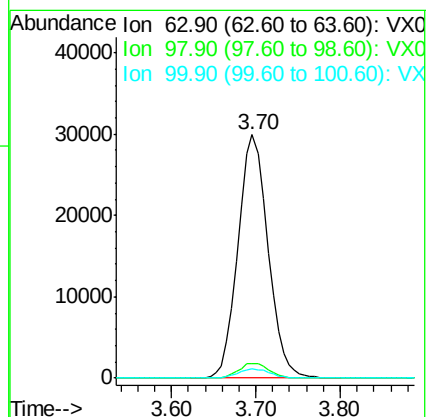
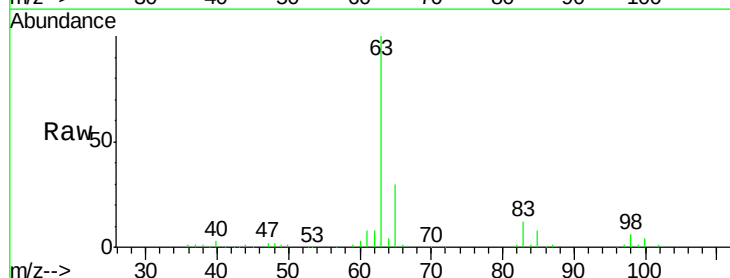
Tgt Ion: 63 Resp: 72040

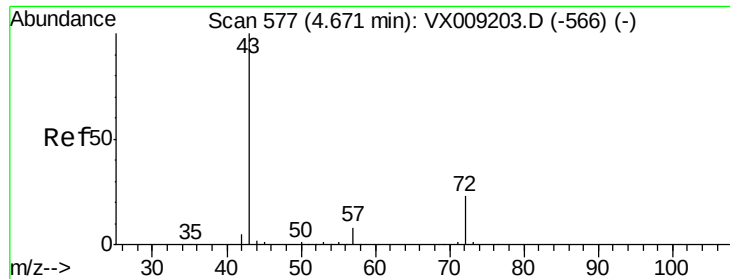
Ion Ratio Lower Upper

63 100

98 5.8 3.0 9.2

100 3.9 2.0 6.0





#25

2-Butanone

Concen: 99.500 ug/l

RT: 4.67 min Scan# 577

Delta R.T. 0.00 min

Lab File: VX009322.D

Acq: 03 May 2019 20:10

Instrument :

MSVOA_X

ClientSampleId :

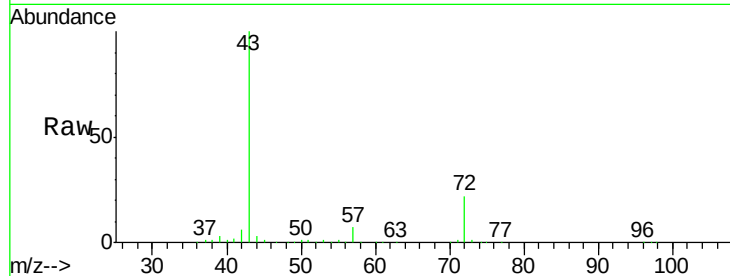
VX0503WBSD02

Tot Ion: 43 Resp: 194393

Ion Ratio Lower Upper

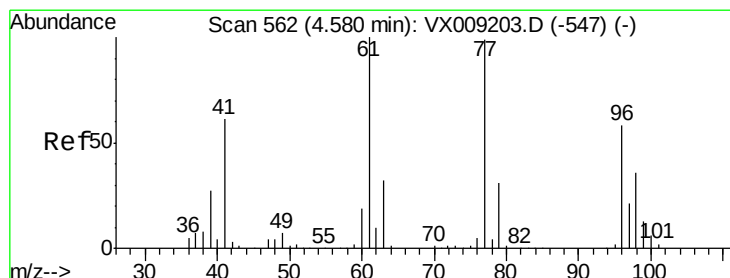
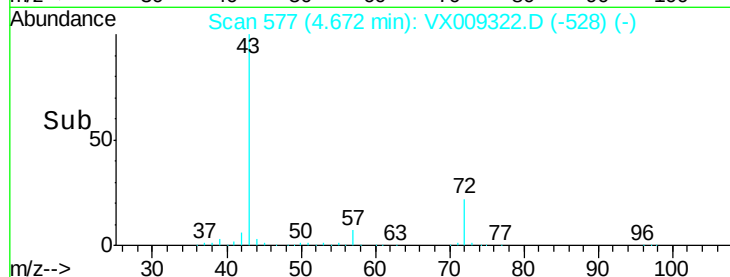
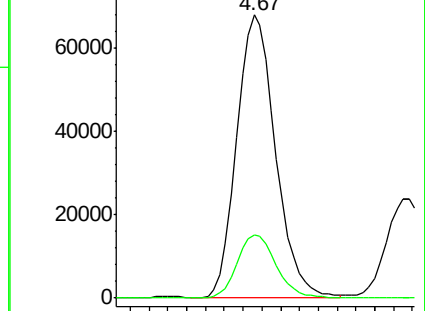
43 100

72 22.2 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: 16.889 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX009322.D

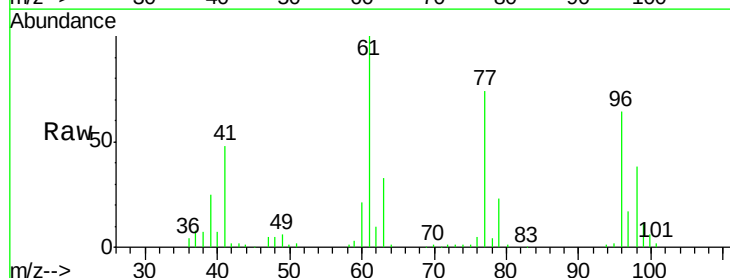
Acq: 03 May 2019 20:10

Tgt Ion: 77 Resp: 46772

Ion Ratio Lower Upper

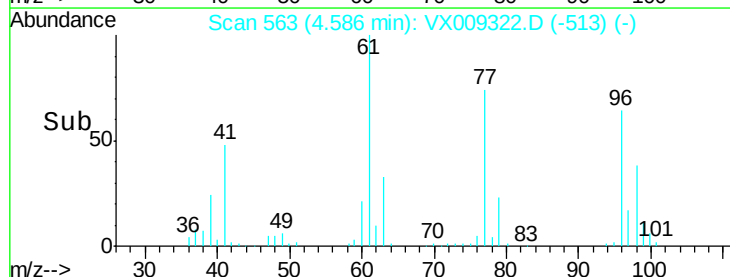
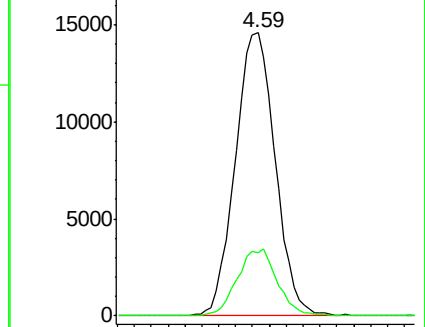
77 100

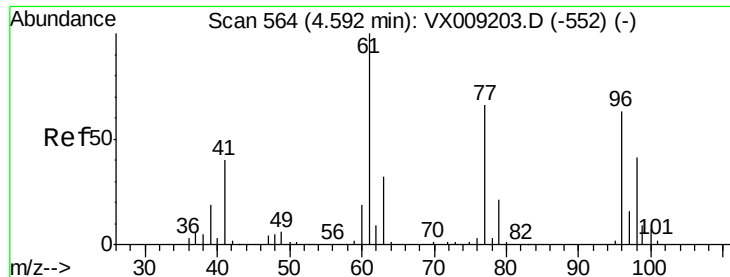
97 23.6 11.5 34.4



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



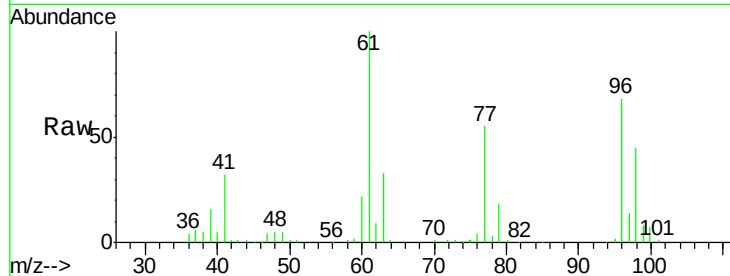


#27

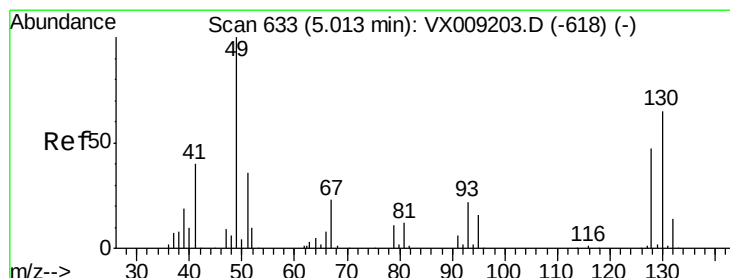
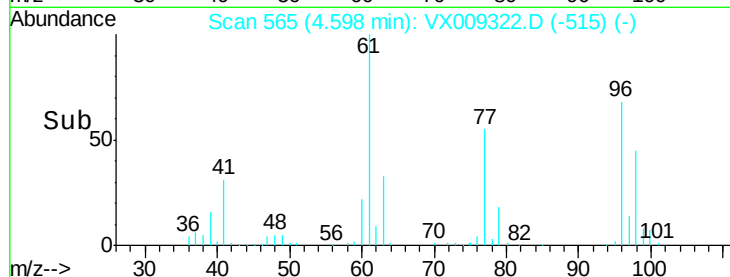
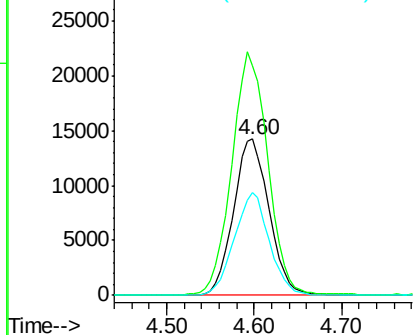
cis-1,2-Dichloroethene
Concen: 19.373 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.01 min
Lab File: VX009322.D
Acq: 03 May 2019 20:10

Instrument :
MSVOA_X
ClientSampleId :
VX0503WBSD02

Tot Ion: 96 Resp: 40359
Ion Ratio Lower Upper
96 100
61 158.4 0.0 324.0
98 64.5 0.0 130.4



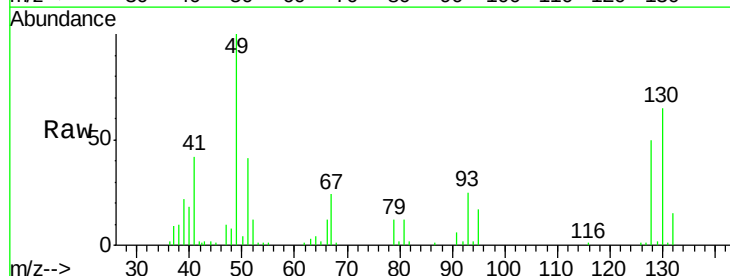
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



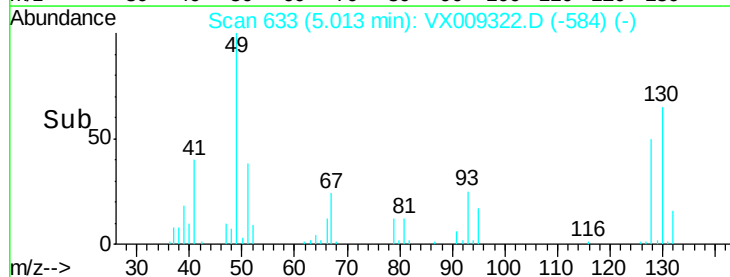
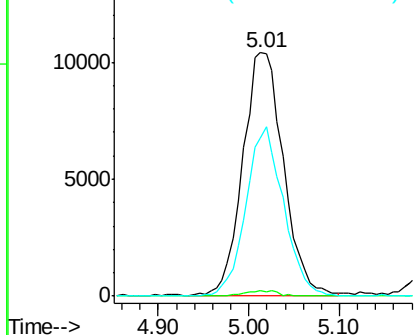
#28

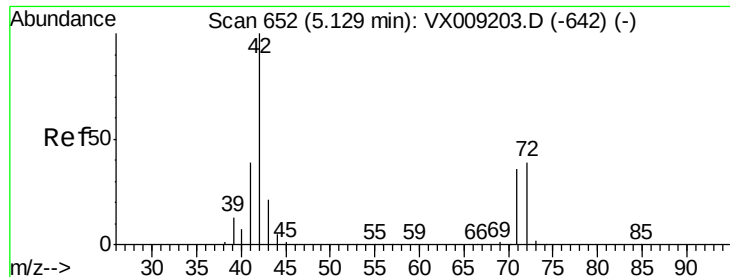
Bromochloromethane
Concen: 20.037 ug/l
RT: 5.01 min Scan# 633
Delta R.T. 0.00 min
Lab File: VX009322.D
Acq: 03 May 2019 20:10

Tgt Ion: 49 Resp: 32470
Ion Ratio Lower Upper
49 100
129 1.7 0.0 3.8
130 64.0 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: 101.950 ug/l

RT: 5.13 min Scan# 652

Delta R.T. 0.00 min

Lab File: VX009322.D

Acq: 03 May 2019 20:10

Instrument :

MSVOA_X

ClientSampleId :

VX0503WBSD02

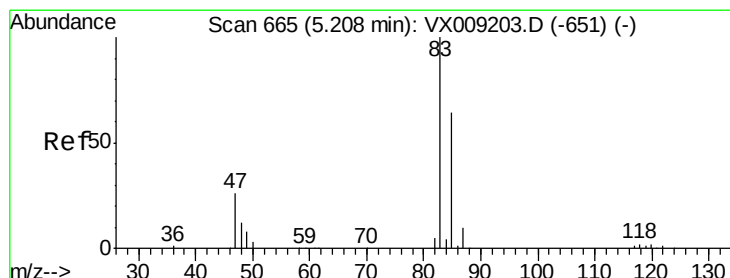
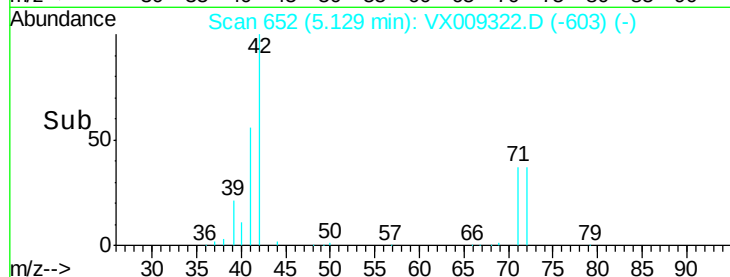
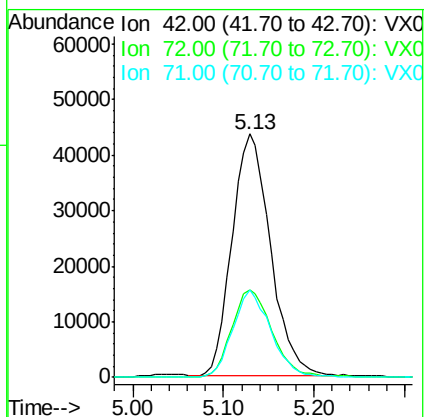
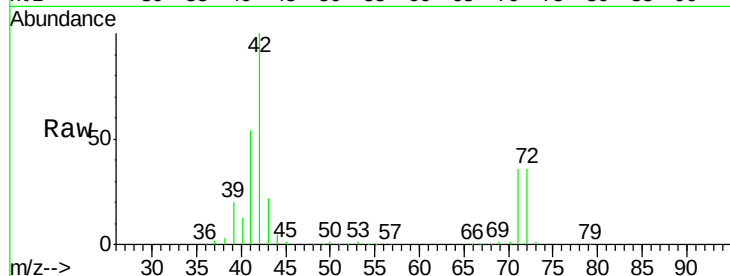
Tot Ion: 42 Resp: 128171

Ion Ratio Lower Upper

42 100

72 38.2 30.4 45.6

71 35.6 28.6 43.0



#30

Chloroform

Concen: 19.359 ug/l

RT: 5.21 min Scan# 665

Delta R.T. 0.00 min

Lab File: VX009322.D

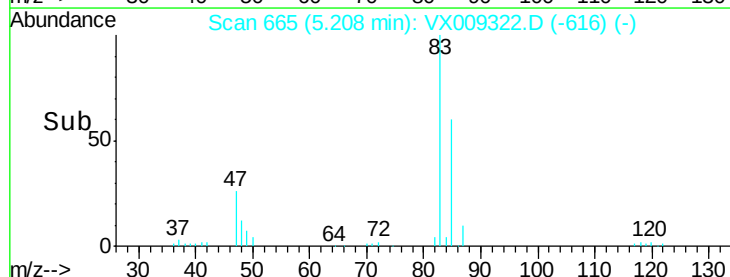
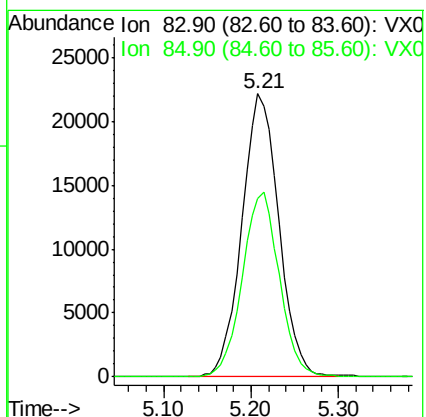
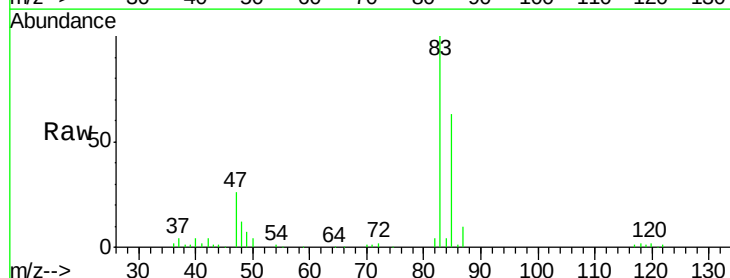
Acq: 03 May 2019 20:10

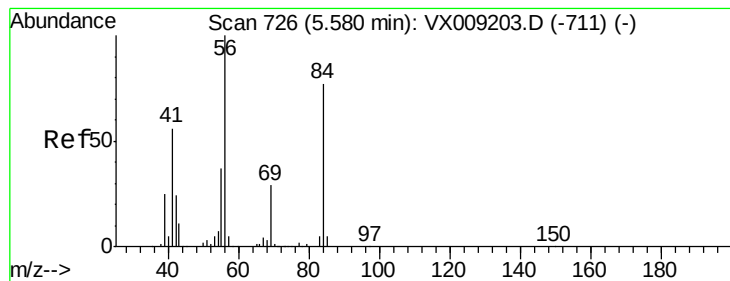
Tgt Ion: 83 Resp: 65147

Ion Ratio Lower Upper

83 100

85 62.8 51.5 77.3





#31

Cyclohexane

Concen: 18.843 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.00 min

Lab File: VX009322.D

Acq: 03 May 2019 20:10

Instrument :

MSVOA_X

ClientSampleId :

VX0503WBSD02

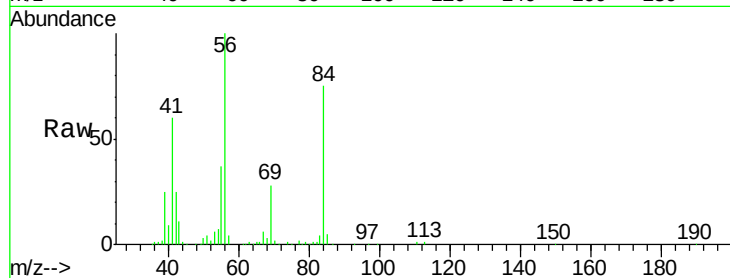
Tot Ion: 56 Resp: 65227

Ion Ratio Lower Upper

56 100

69 27.9 23.4 35.0

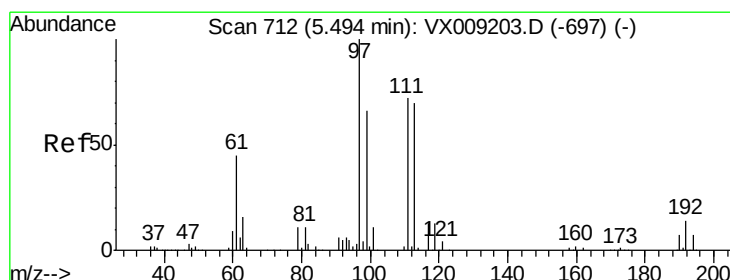
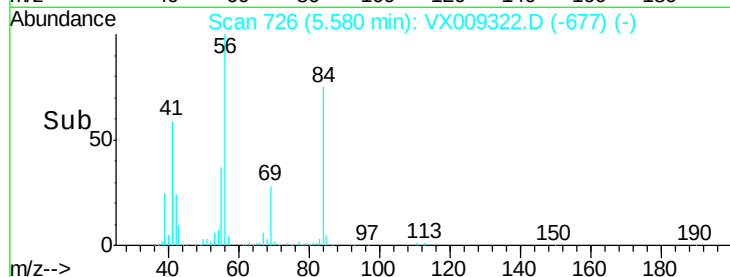
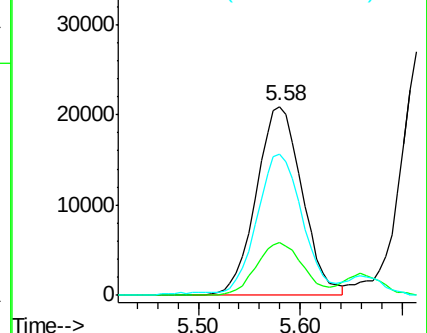
84 73.3 61.9 92.9



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 18.950 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX009322.D

Acq: 03 May 2019 20:10

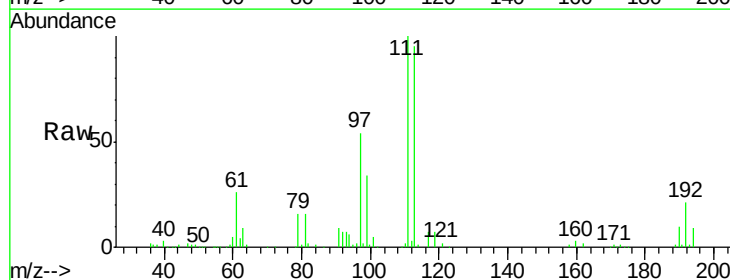
Tgt Ion: 97 Resp: 53084

Ion Ratio Lower Upper

97 100

99 64.2 51.8 77.8

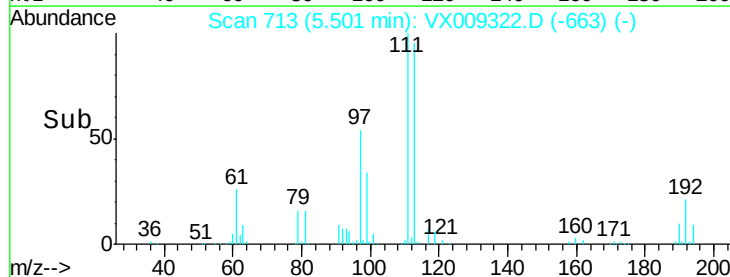
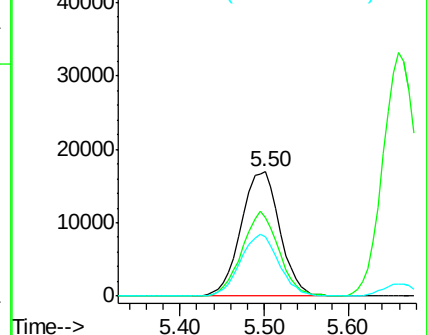
61 49.3 37.8 56.8

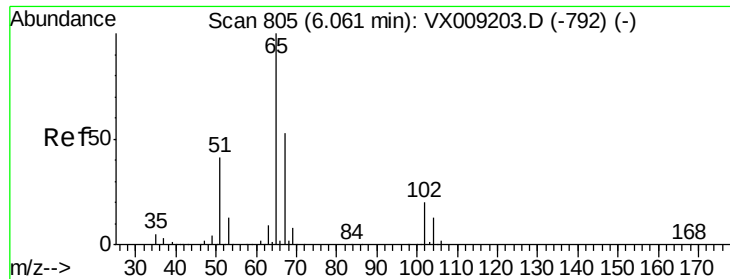


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

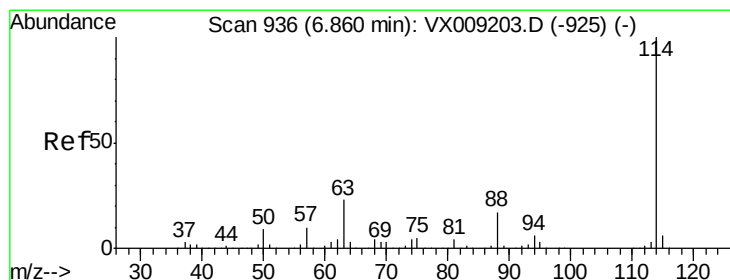
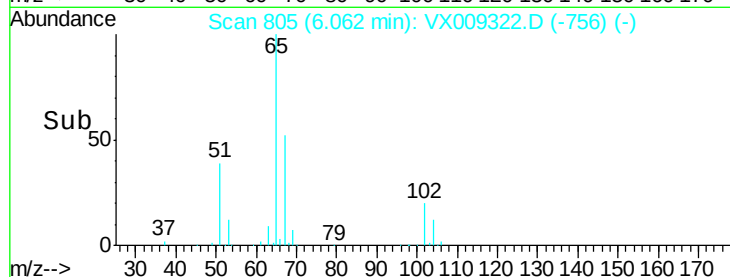
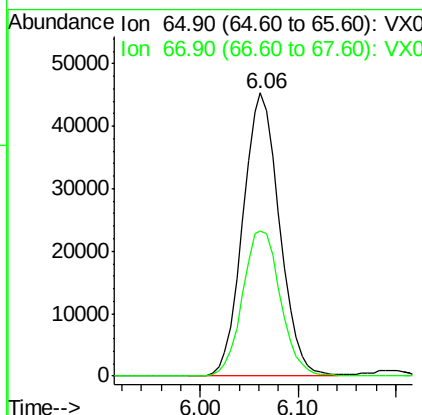
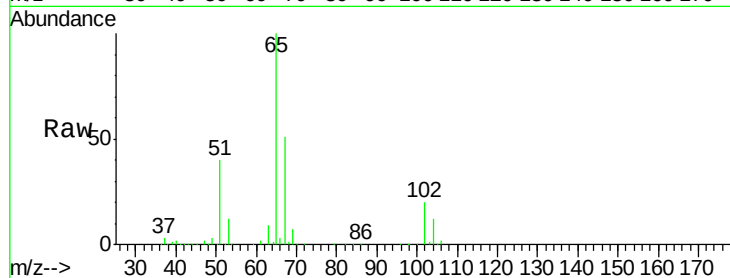




#33
 1,2-Dichloroethane-d4
 Concen: 50.247 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX009322.D
 Acq: 03 May 2019 20:10

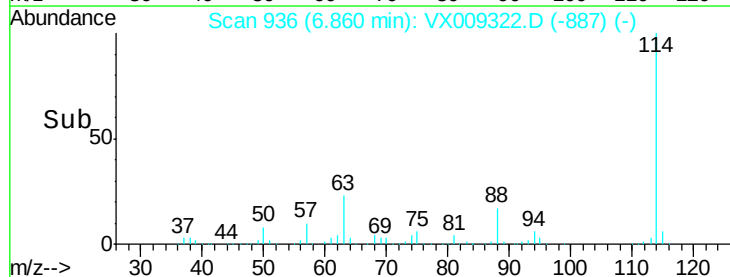
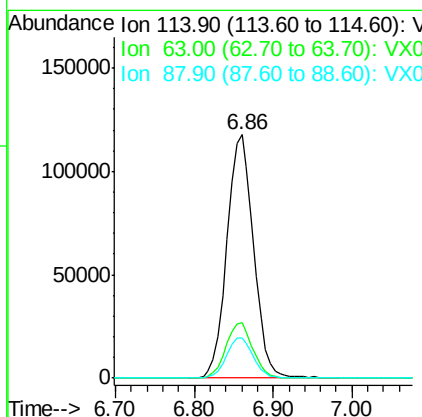
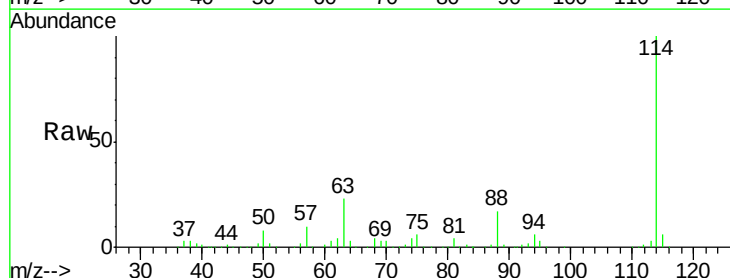
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0503WBSD02

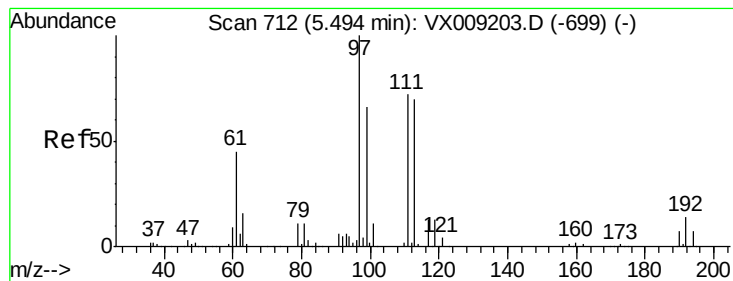
Tot Ion: 65 Resp: 117647
 Ion Ratio Lower Upper
 65 100
 67 53.6 0.0 106.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX009322.D
 Acq: 03 May 2019 20:10

Tgt Ion: 114 Resp: 276823
 Ion Ratio Lower Upper
 114 100
 63 22.9 0.0 45.6
 88 16.6 0.0 33.2





#35

Dibromofluoromethane

Concen: 49.725 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX009322.D

Acq: 03 May 2019 20:10

Instrument :

MSVOA_X

ClientSampleId :

VX0503WBSD02

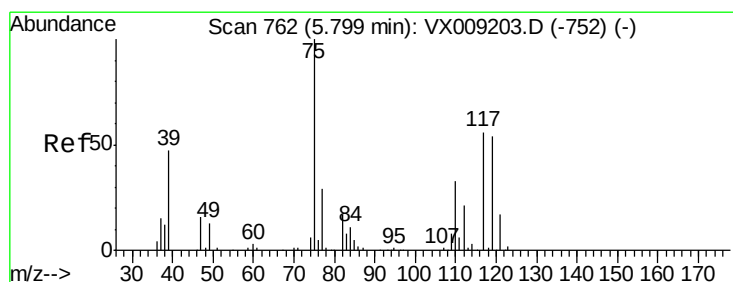
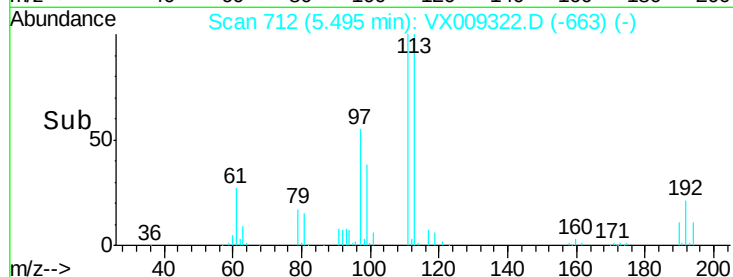
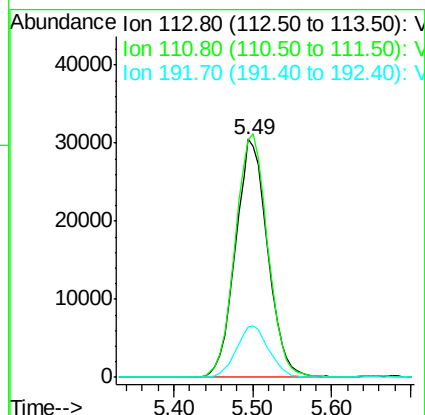
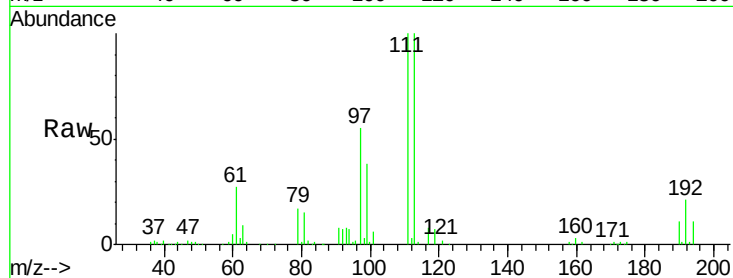
Tot Ion:113 Resp: 86533

Ion Ratio Lower Upper

113 100

111 103.5 82.8 124.2

192 21.9 17.0 25.6



#36

1,1-Dichloropropene

Concen: 18.973 ug/l

RT: 5.80 min Scan# 762

Delta R.T. 0.00 min

Lab File: VX009322.D

Acq: 03 May 2019 20:10

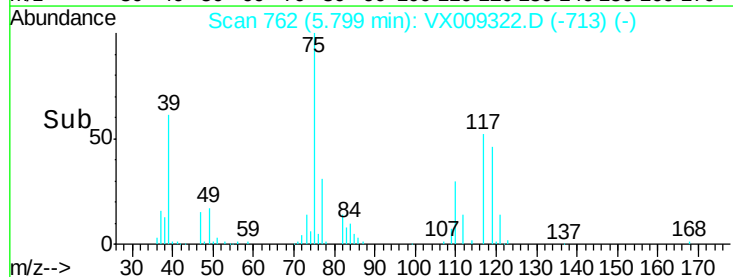
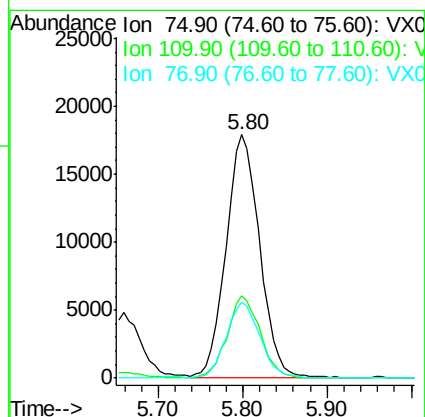
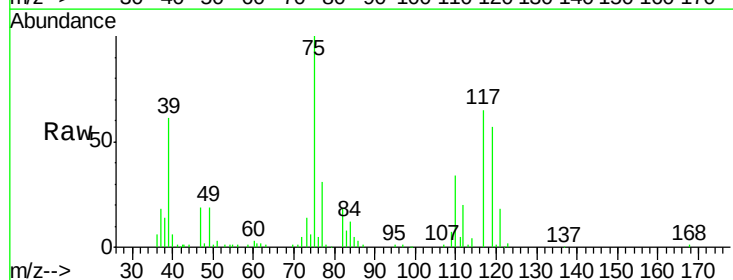
Tgt Ion: 75 Resp: 48808

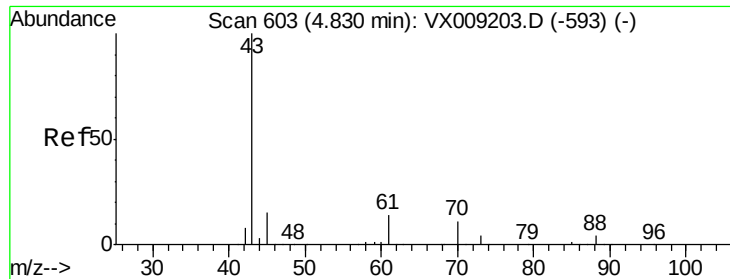
Ion Ratio Lower Upper

75 100

110 32.9 16.9 50.6

77 31.4 24.8 37.2





#37

Ethyl Acetate

Concen: 20.292 ug/l

RT: 4.84 min Scan# 604

Delta R.T. 0.01 min

Lab File: VX009322.D

Acq: 03 May 2019 20:10

Instrument :

MSVOA_X

ClientSampled :

VX0503WBSD02

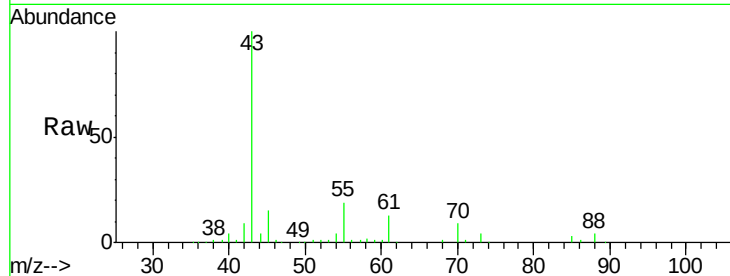
Tot Ion: 43 Resp: 72734

Ion Ratio Lower Upper

43 100

61 12.7 10.5 15.7

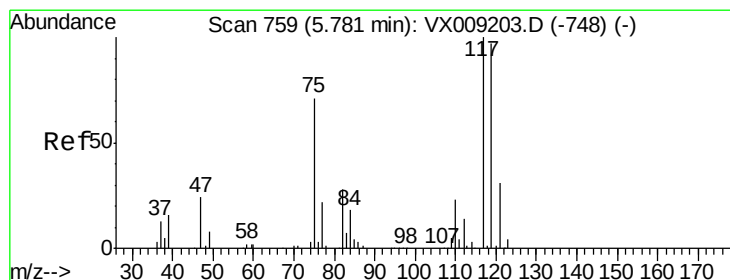
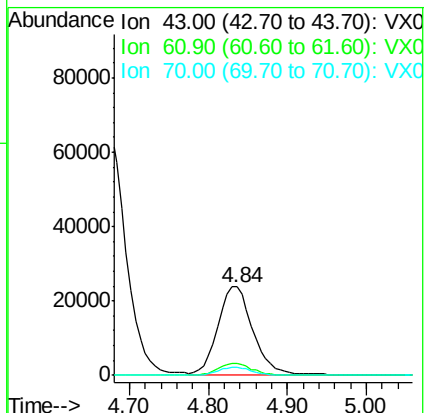
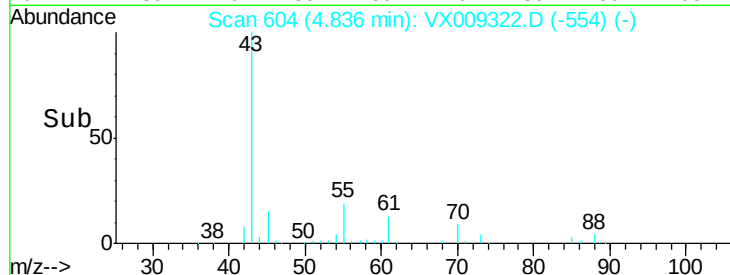
70 9.4 7.9 11.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0



#38

Carbon Tetrachloride

Concen: 18.981 ug/l

RT: 5.78 min Scan# 759

Delta R.T. 0.00 min

Lab File: VX009322.D

Acq: 03 May 2019 20:10

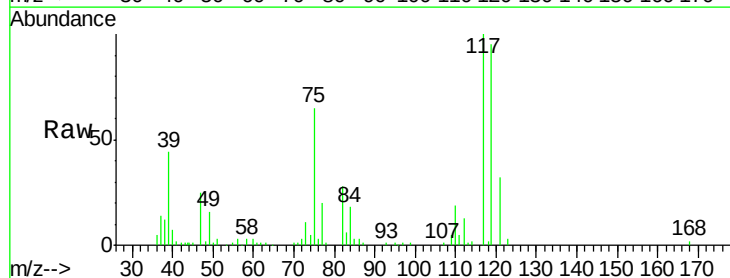
Tgt Ion: 117 Resp: 44365

Ion Ratio Lower Upper

117 100

119 94.7 77.5 116.3

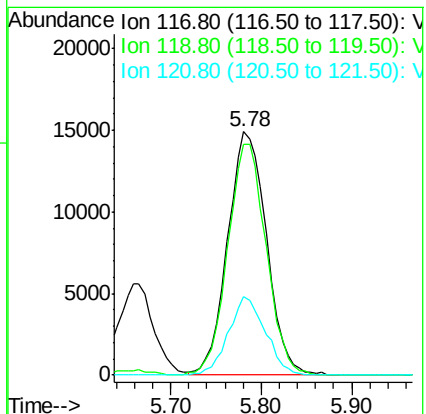
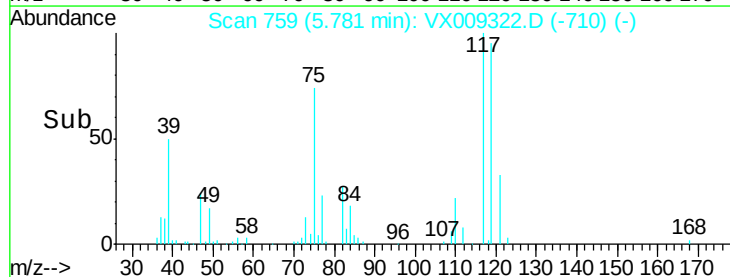
121 32.1 24.7 37.1

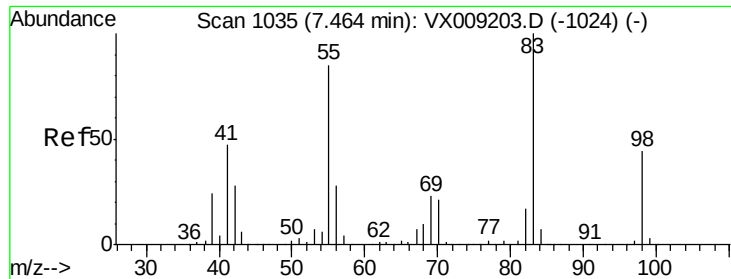


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

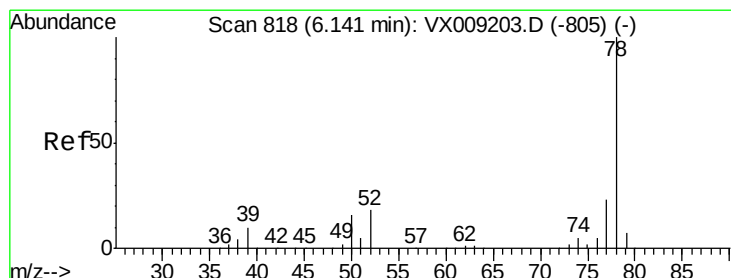
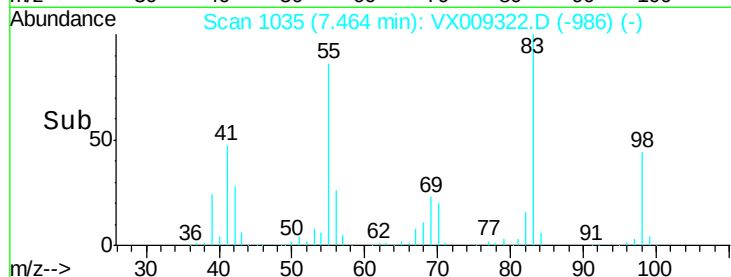
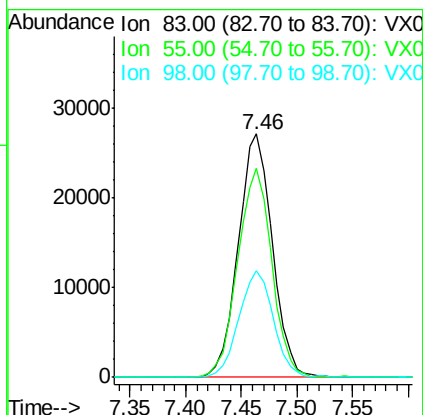
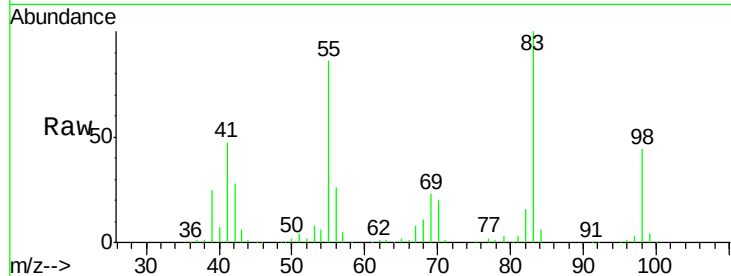




#39
Methylvlcyclohexane
Concen: 18.251 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX009322.D
Acq: 03 May 2019 20:10

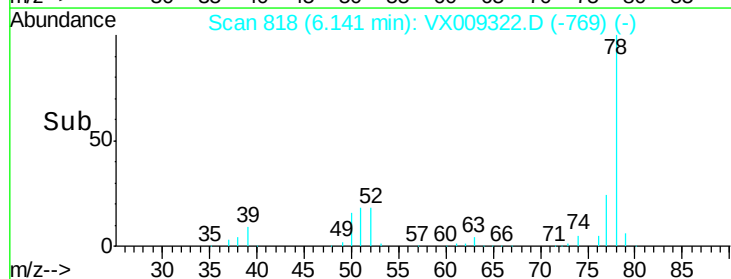
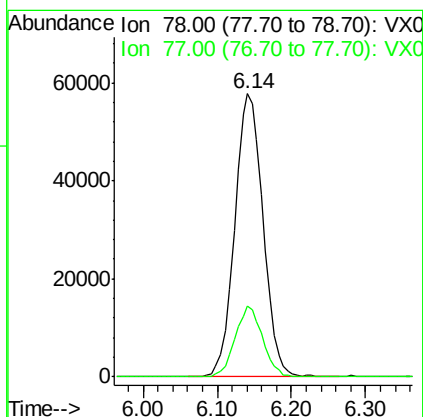
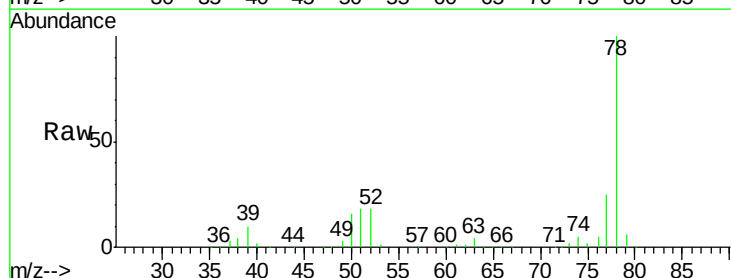
Instrument :
MSVOA_X
ClientSampleId :
VX0503WBSD02

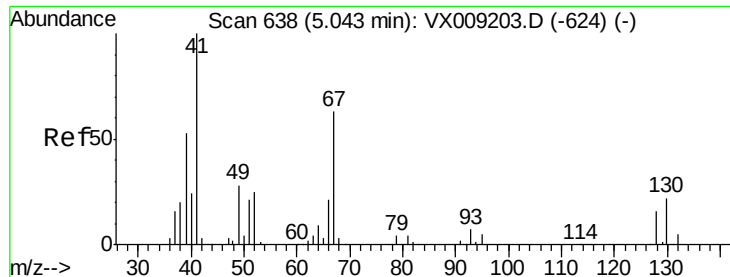
Tot Ion: 83 Resp: 57660
Ion Ratio Lower Upper
83 100
55 86.1 67.7 101.5
98 44.0 35.5 53.3



#40
Benzene
Concen: 19.317 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX009322.D
Acq: 03 May 2019 20:10

Tgt Ion: 78 Resp: 153794
Ion Ratio Lower Upper
78 100
77 24.8 18.8 28.2





#41

Methacrylonitrile

Concen: 19.830 ug/l

RT: 5.04 min Scan# 638

Delta R.T. 0.00 min

Lab File: VX009322.D

Acq: 03 May 2019 20:10

Instrument :

MSVOA_X

ClientSampleId :

VX0503WBSD02

Tot Ion: 41 Resp: 42310

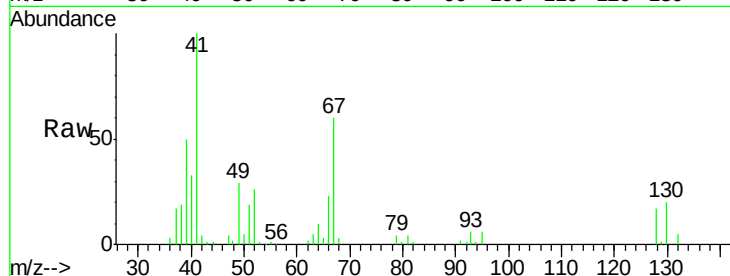
Ion Ratio Lower Upper

41 100

39 51.9 42.0 63.0

67 62.6 49.8 74.8

52 26.3 20.3 30.5

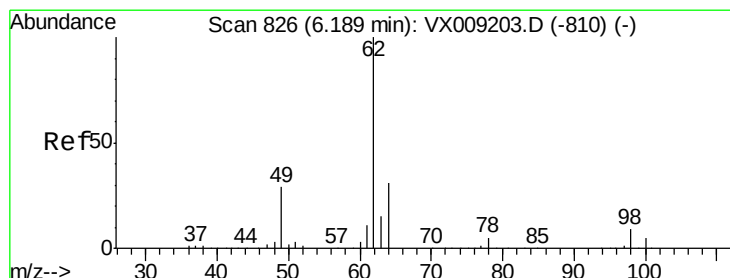
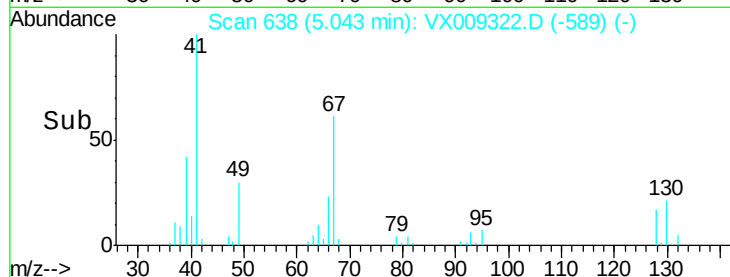
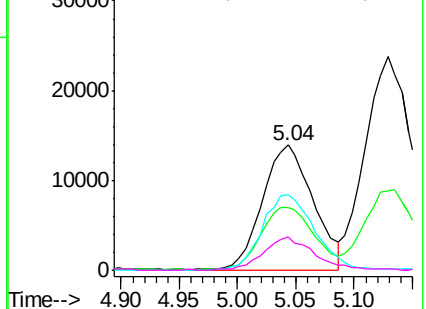


Abundance Ion 41.00 (40.70 to 41.70): VX0

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: 19.641 ug/l

RT: 6.19 min Scan# 826

Delta R.T. 0.00 min

Lab File: VX009322.D

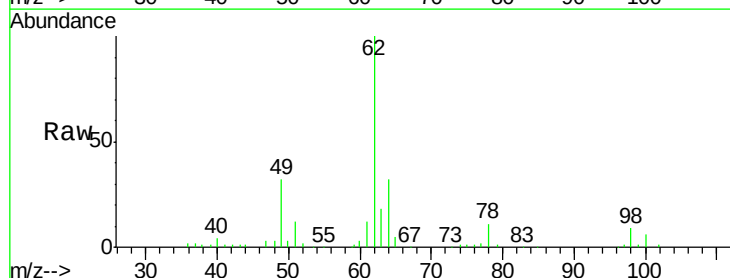
Acq: 03 May 2019 20:10

Tgt Ion: 62 Resp: 56093

Ion Ratio Lower Upper

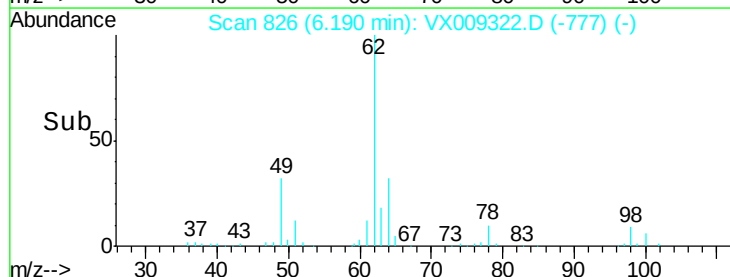
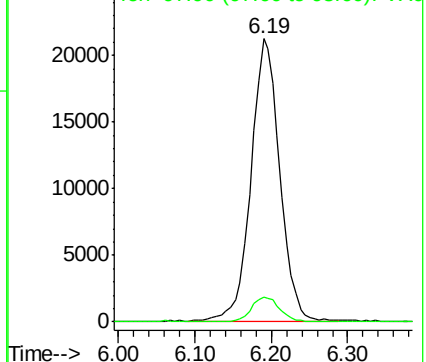
62 100

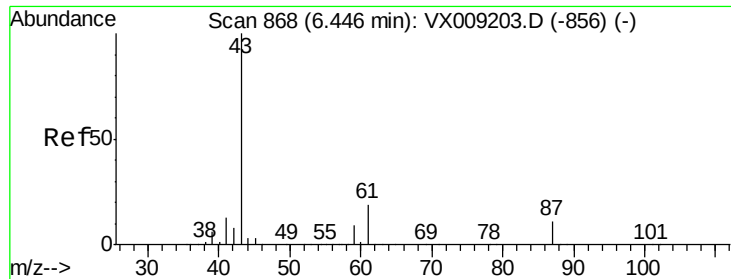
98 8.7 0.0 18.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



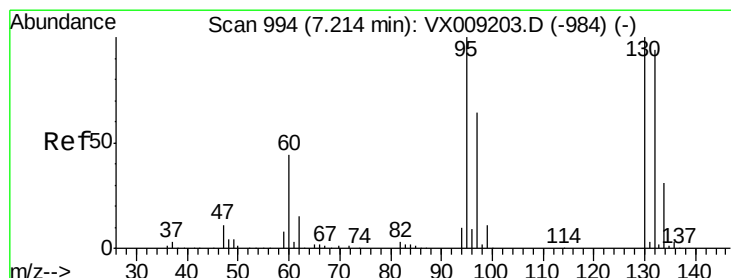
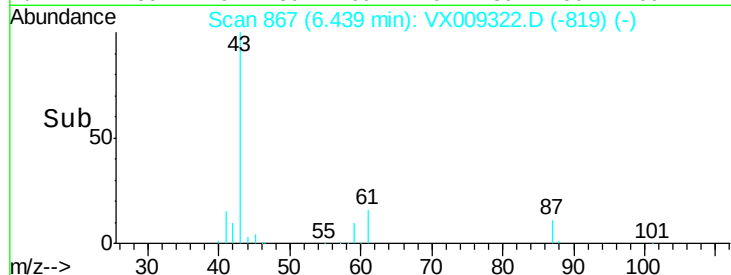
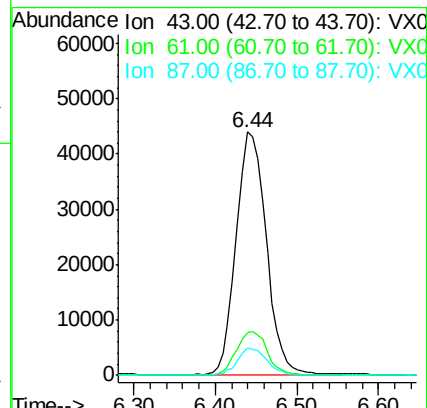
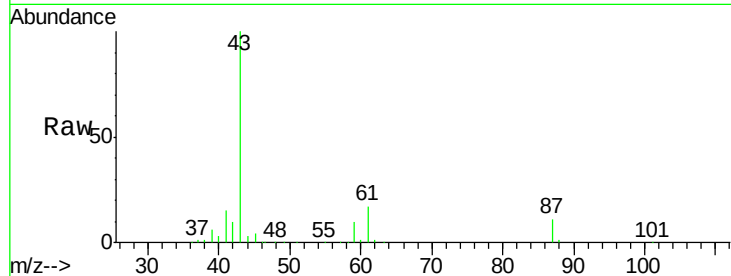


#43

Isopropyl Acetate
 Concen: 19.639 ug/l
 RT: 6.44 min Scan# 867
 Delta R.T. -0.01 min
 Lab File: VX009322.D
 Acq: 03 May 2019 20:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0503WBSD02

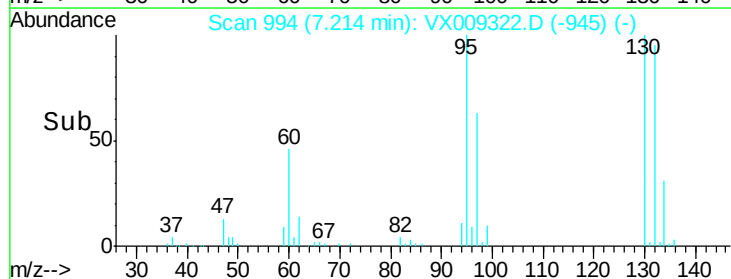
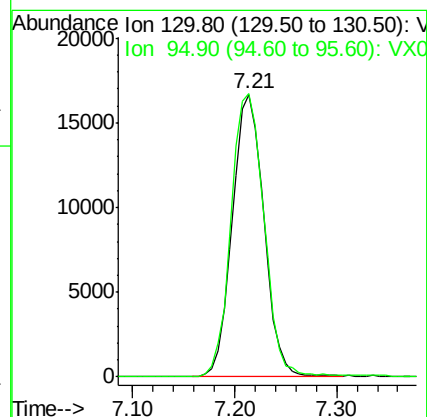
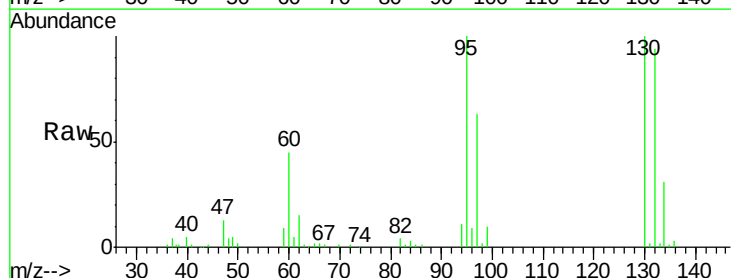
Tot Ion: 43 Resp: 112595
 Ion Ratio Lower Upper
 43 100
 61 18.6 15.1 22.7
 87 11.2 9.0 13.6

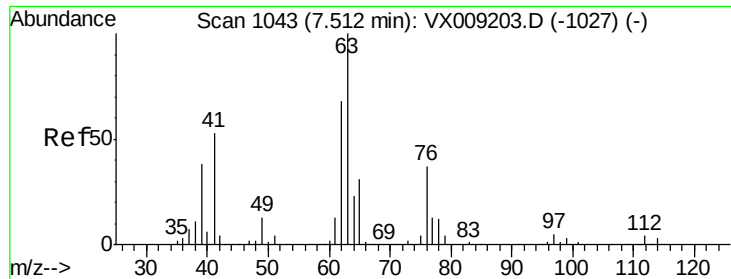


#44

Trichloroethene
 Concen: 18.593 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX009322.D
 Acq: 03 May 2019 20:10

Tgt Ion:130 Resp: 35786
 Ion Ratio Lower Upper
 130 100
 95 100.2 0.0 199.2

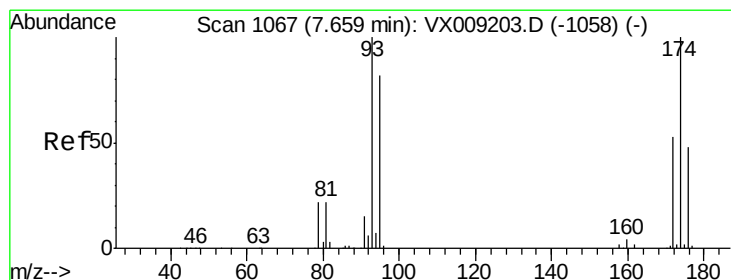
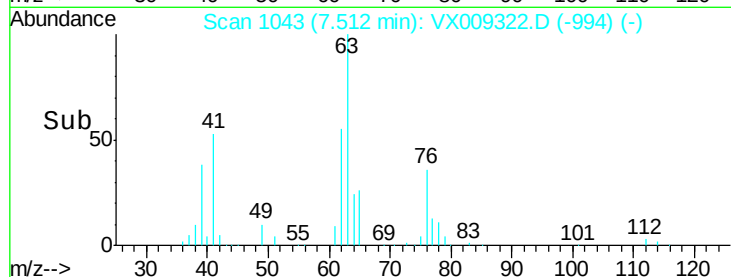
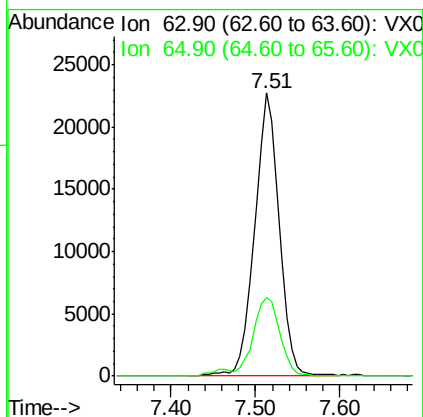
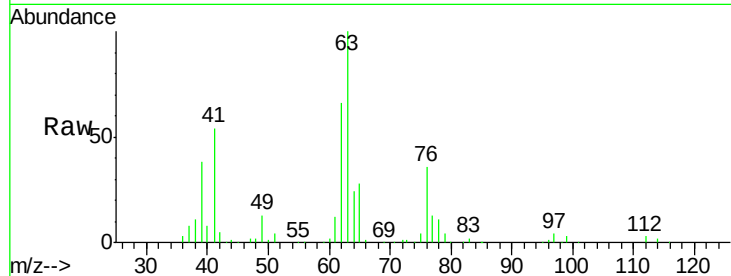




#45
 1,2-Dichloropropane
 Concen: 20.020 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. 0.00 min
 Lab File: VX009322.D
 Acq: 03 May 2019 20:10

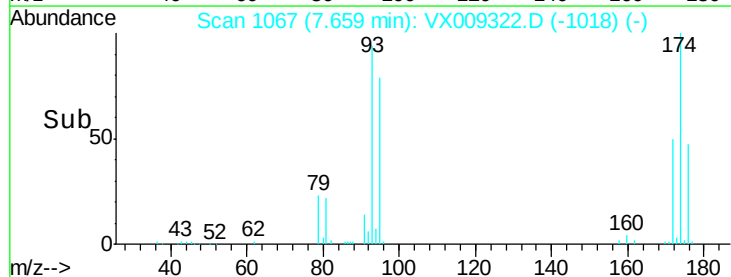
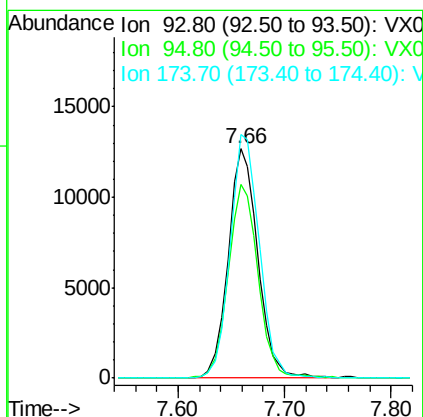
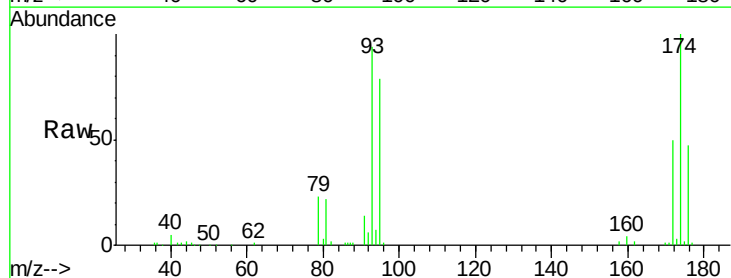
Instrument :
 MSVOA_X
 ClientSampleID :
 VX0503WBSD02

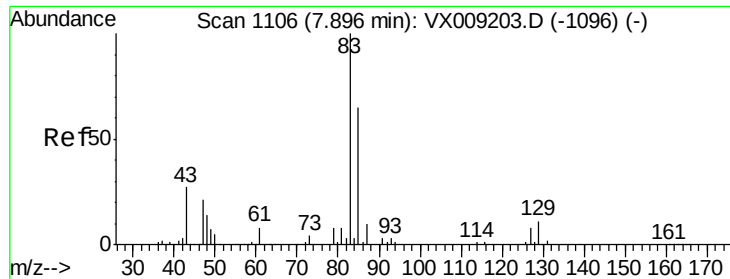
Tot Ion: 63 Resp: 45133
 Ion Ratio Lower Upper
 63 100
 65 27.7 25.0 37.6



#46
 Dibromomethane
 Concen: 18.879 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VX009322.D
 Acq: 03 May 2019 20:10

Tgt Ion: 93 Resp: 24715
 Ion Ratio Lower Upper
 93 100
 95 84.8 66.5 99.7
 174 105.4 82.1 123.1





#47

Bromodichloromethane

Concen: 19.020 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX009322.D

Acq: 03 May 2019 20:10

Instrument :

MSVOA_X

ClientSampleId :

VX0503WBSD02

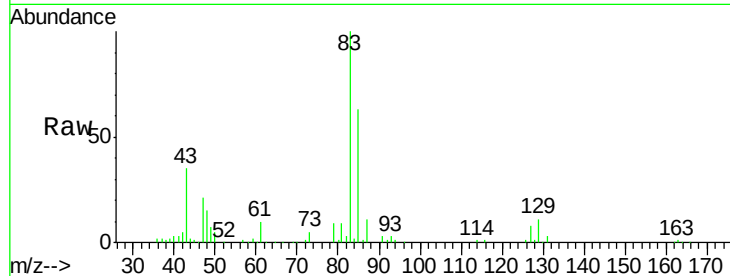
Tot Ion: 83 Resp: 49670

Ion Ratio Lower Upper

83 100

85 62.7 52.4 78.6

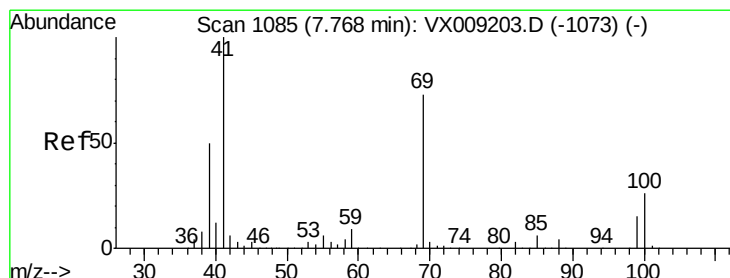
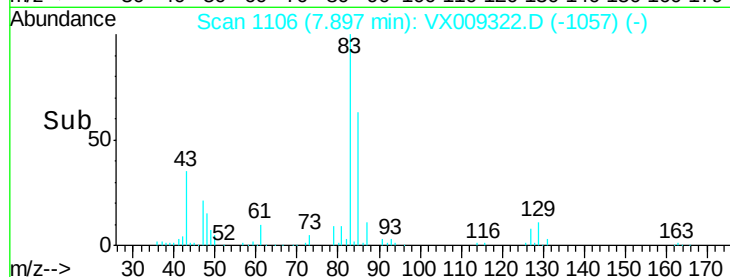
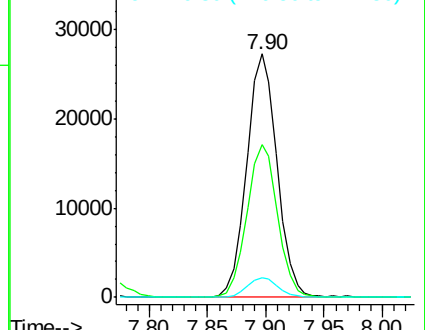
127 7.9 6.6 10.0



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 20.120 ug/l

RT: 7.77 min Scan# 1085

Delta R.T. 0.00 min

Lab File: VX009322.D

Acq: 03 May 2019 20:10

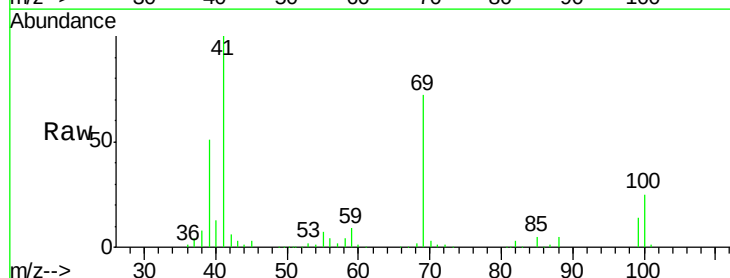
Tgt Ion: 41 Resp: 57230

Ion Ratio Lower Upper

41 100

69 71.9 59.1 88.7

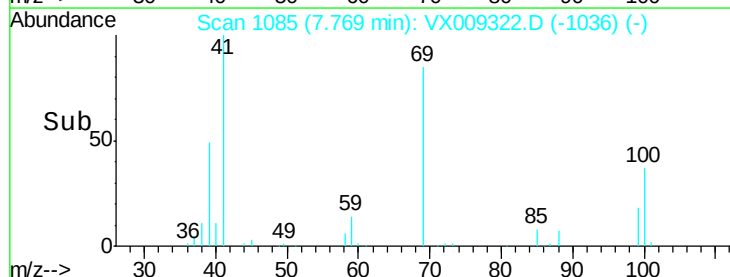
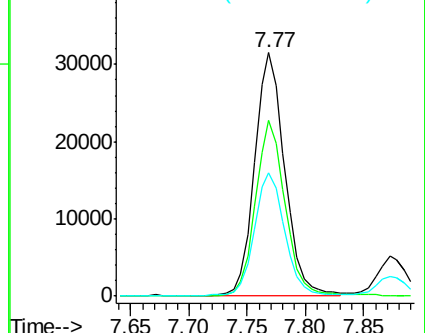
39 50.6 40.4 60.6

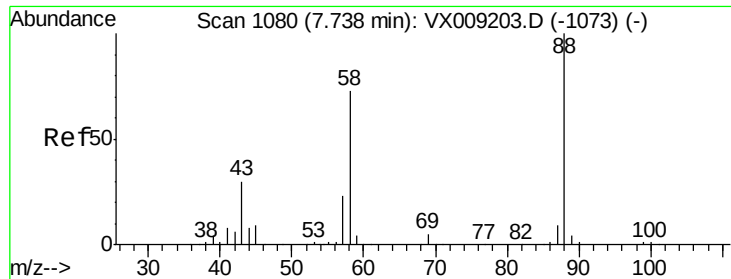


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

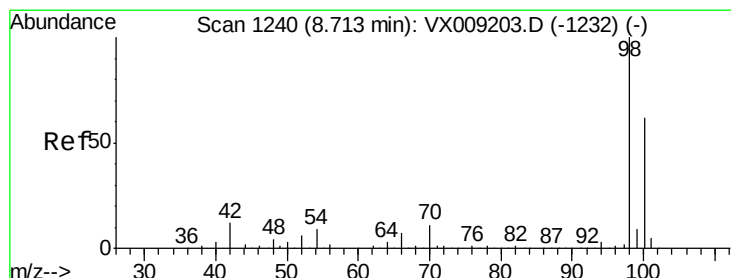
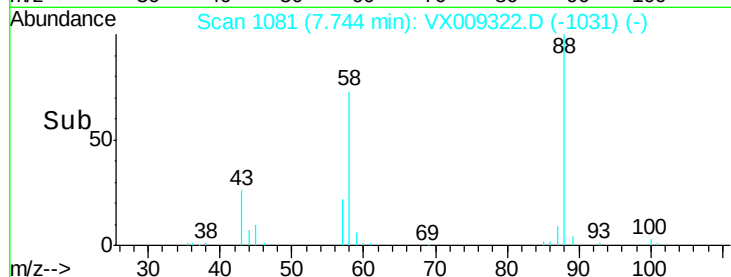
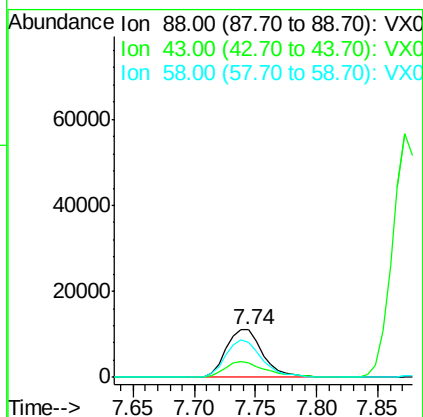
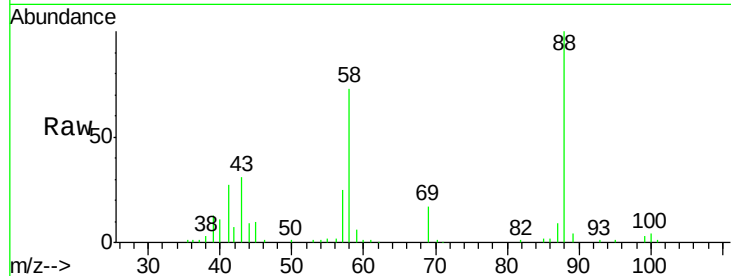




#49
1,4-Dioxane
Concen: 403.745 ug/l
RT: 7.74 min Scan# 1081
Delta R.T. 0.01 min
Lab File: VX009322.D
Acq: 03 May 2019 20:10

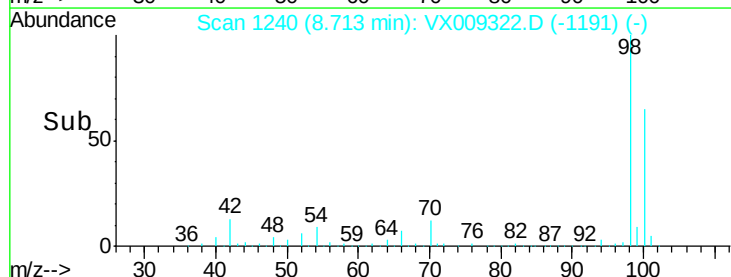
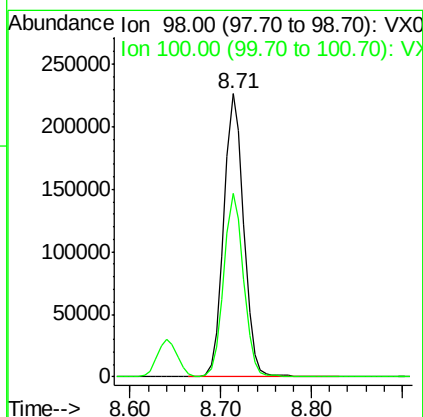
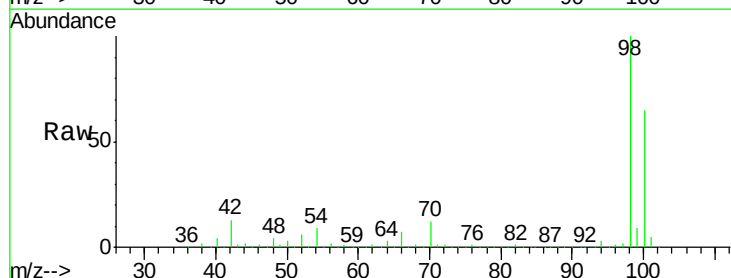
Instrument :
MSVOA_X
ClientSampleId :
VX0503WBSD02

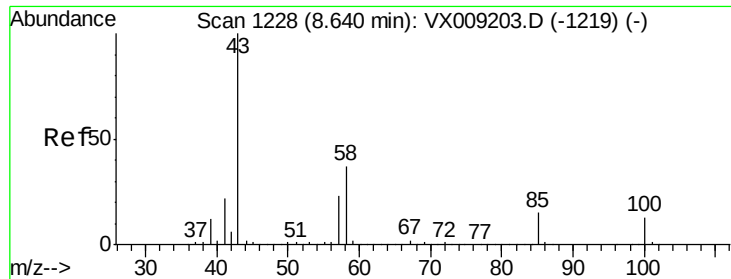
Tot Ion: 88 Resp: 23290
Ion Ratio Lower Upper
88 100
43 36.2 28.6 42.8
58 78.1 61.7 92.5



#50
Toluene-d8
Concen: 49.619 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX009322.D
Acq: 03 May 2019 20:10

Tgt Ion: 98 Resp: 348607
Ion Ratio Lower Upper
98 100
100 64.8 51.2 76.8





#51

4-Methyl-2-Pentanone

Concen: 101.042 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX009322.D

Acq: 03 May 2019 20:10

Instrument :

MSVOA_X

ClientSampleId :

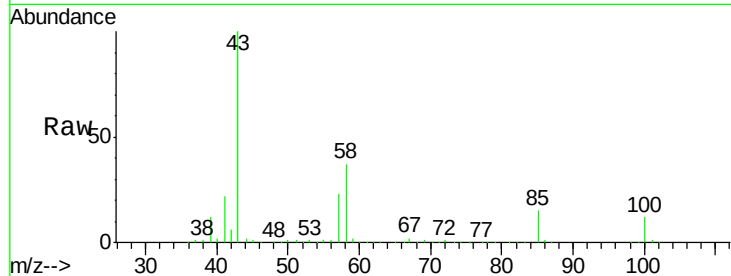
VX0503WBSD02

Tot Ion: 43 Resp: 378646

Ion Ratio Lower Upper

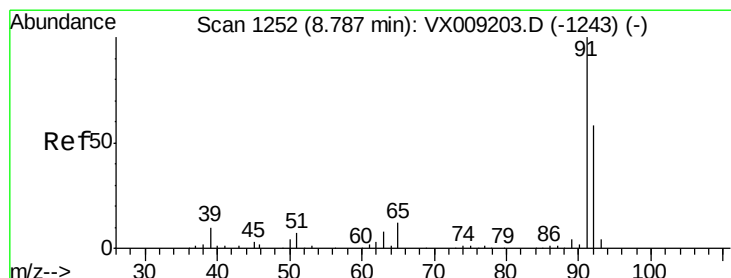
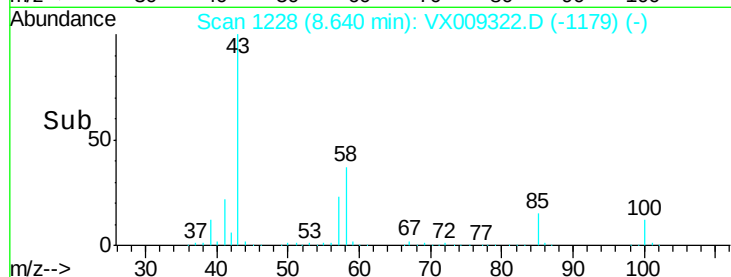
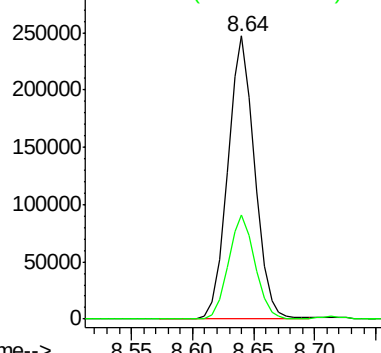
43 100

58 36.5 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: 19.107 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX009322.D

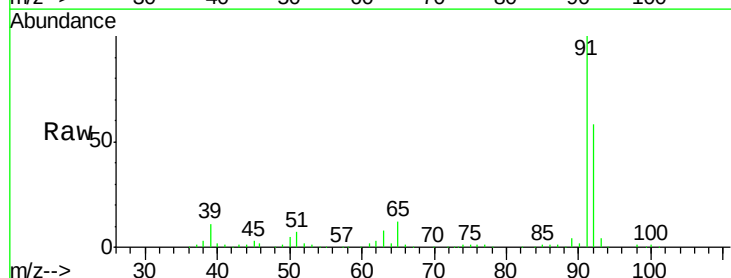
Acq: 03 May 2019 20:10

Tgt Ion: 92 Resp: 92472

Ion Ratio Lower Upper

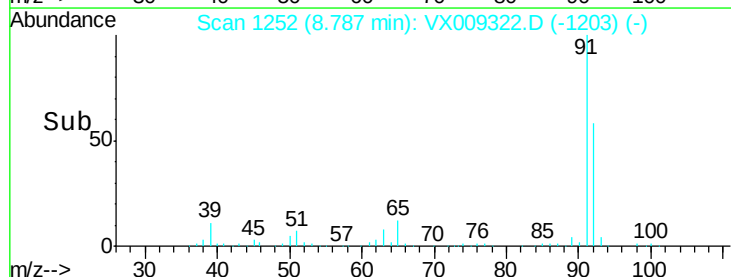
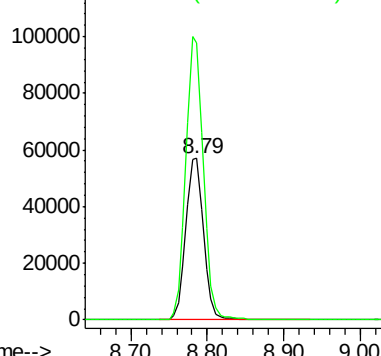
92 100

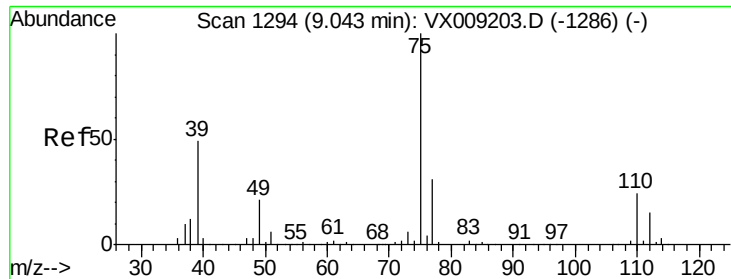
91 172.7 138.8 208.2



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

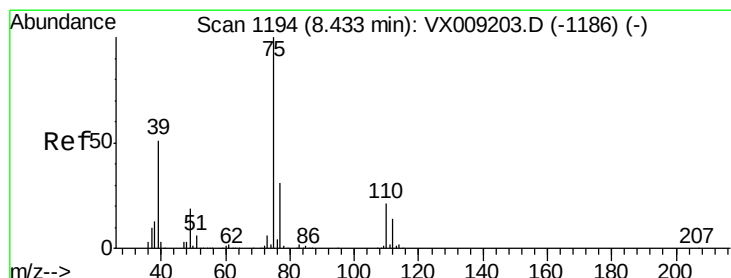
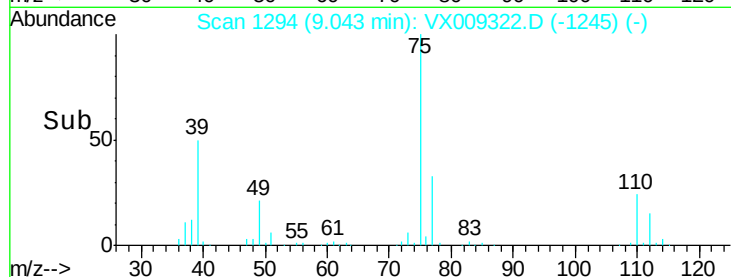
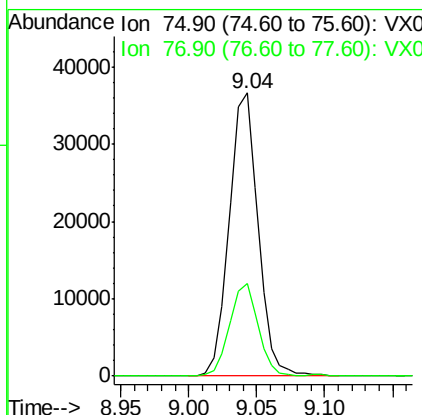
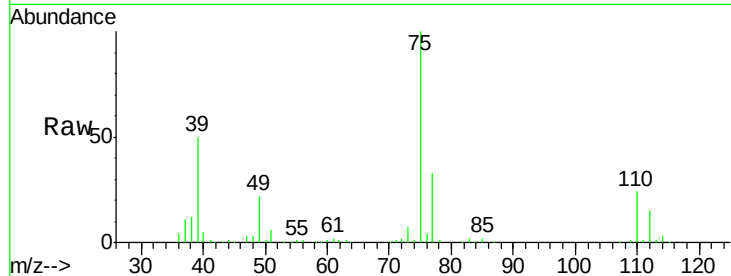




#53
t-1,3-Dichloropropene
Concen: 18.366 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX009322.D
Acq: 03 May 2019 20:10

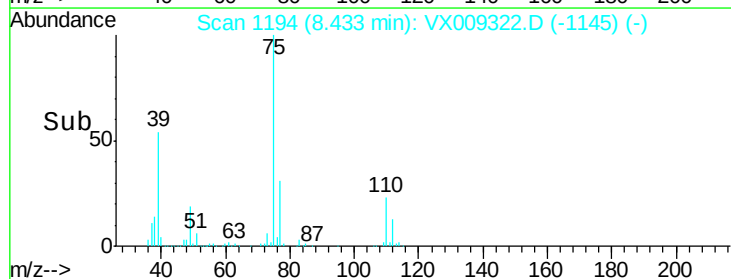
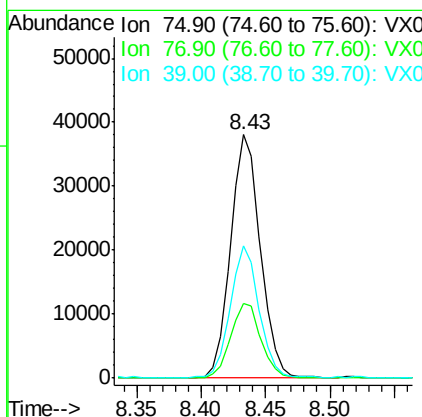
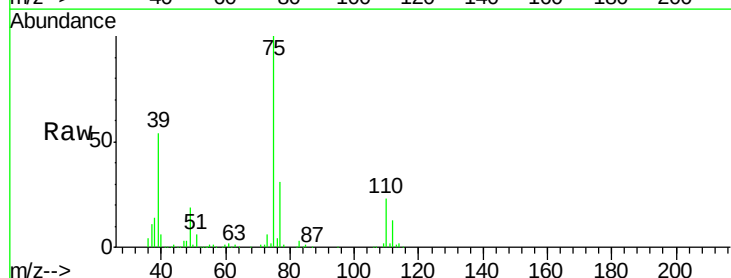
Instrument :
MSVOA_X
ClientSampleId :
VX0503WBSD02

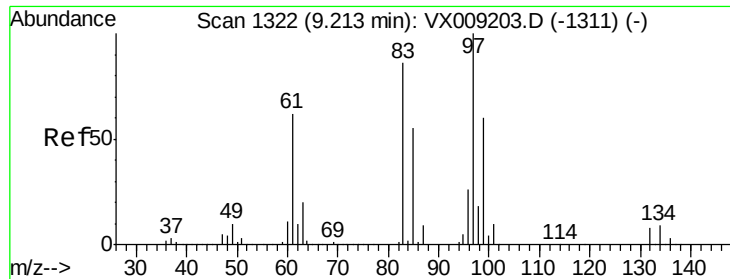
Tot Ion: 75 Resp: 54149
Ion Ratio Lower Upper
75 100
77 32.7 25.0 37.6



#54
cis-1,3-Dichloropropene
Concen: 18.883 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX009322.D
Acq: 03 May 2019 20:10

Tgt Ion: 75 Resp: 61620
Ion Ratio Lower Upper
75 100
77 30.7 24.6 36.8
39 54.1 40.6 60.8

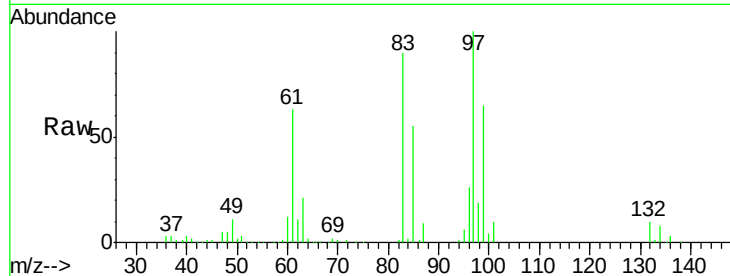




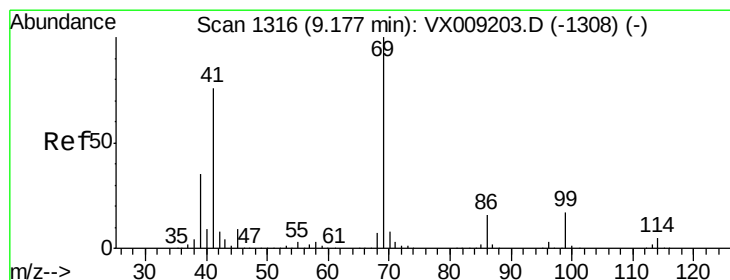
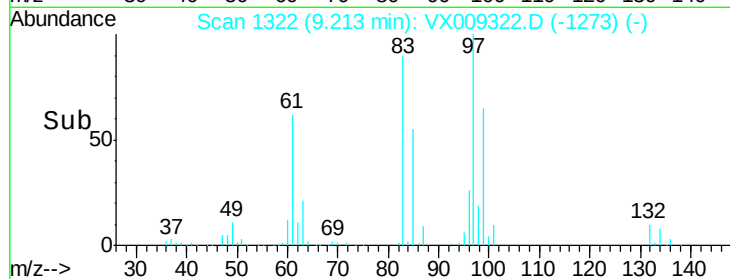
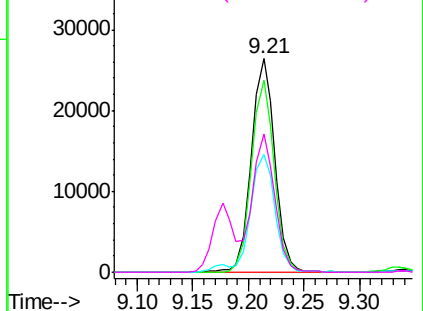
#55
 1,1,2-Trichloroethane
 Concen: 19.711 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX009322.D
 Acq: 03 May 2019 20:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0503WBSD02

Tot Ion:	97	Resp:	38918
Ion	Ratio	Lower	Upper
97	100		
83	89.7	68.9	103.3
85	55.4	43.8	65.6
99	64.8	48.2	72.2

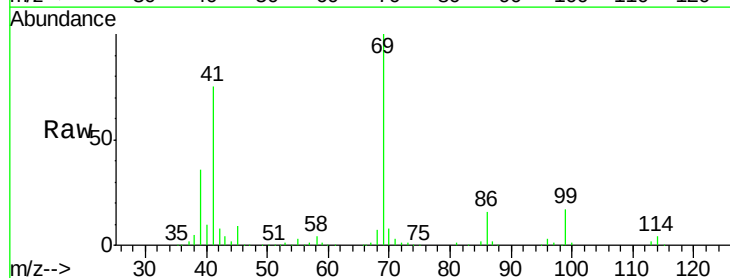


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

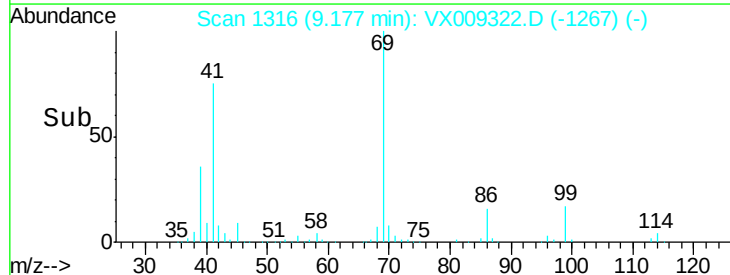
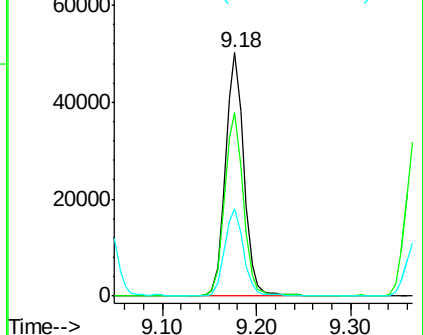


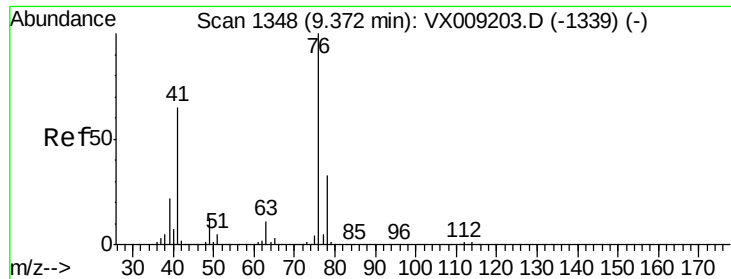
#56
 Ethyl methacrylate
 Concen: 19.465 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX009322.D
 Acq: 03 May 2019 20:10

Tgt Ion:	69	Resp:	68605
Ion	Ratio	Lower	Upper
69	100		
41	75.8	60.6	90.8
39	36.3	28.2	42.4



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





#57

1,3-Dichloropropane

Concen: 19.621 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX009322.D

Acq: 03 May 2019 20:10

Instrument :

MSVOA_X

ClientSampleId :

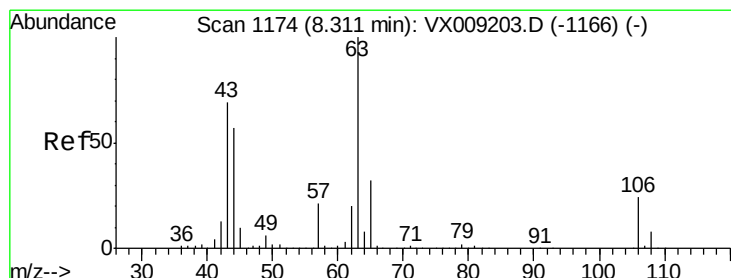
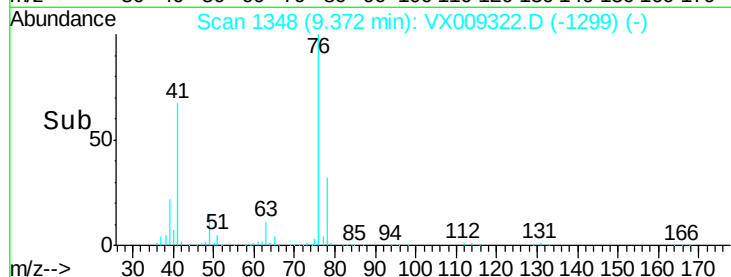
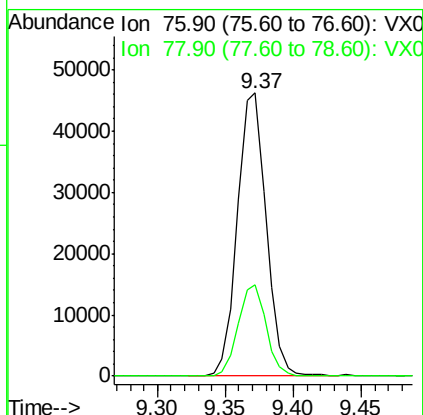
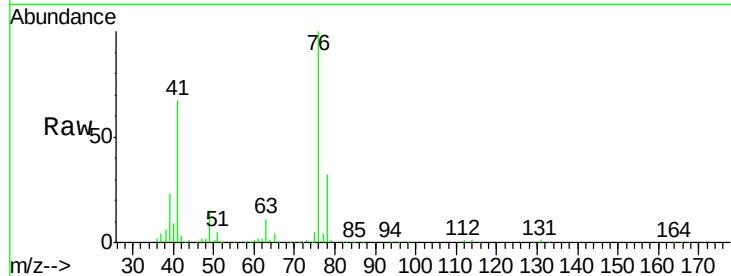
VX0503WBSD02

Tot Ion: 76 Resp: 68173

Ion Ratio Lower Upper

76 100

78 31.7 25.5 38.3



#58

2-Chloroethyl Vinyl ether

Concen: 96.868 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX009322.D

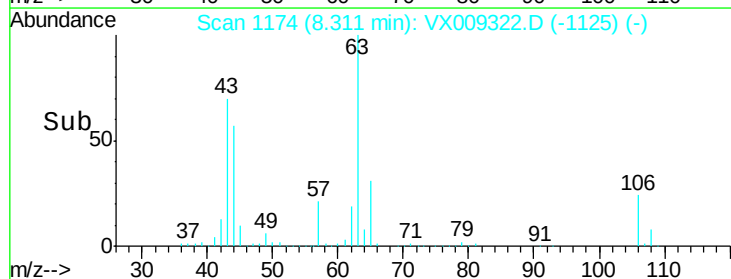
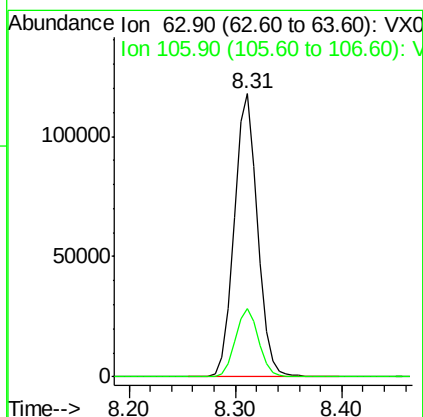
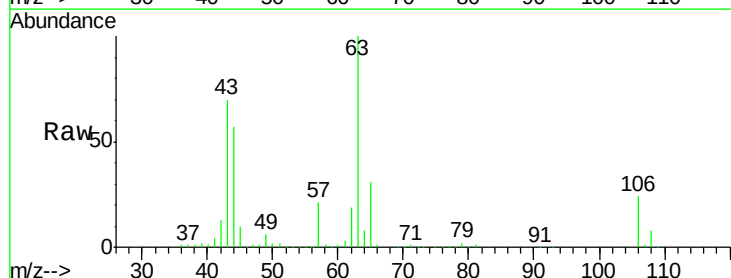
Acq: 03 May 2019 20:10

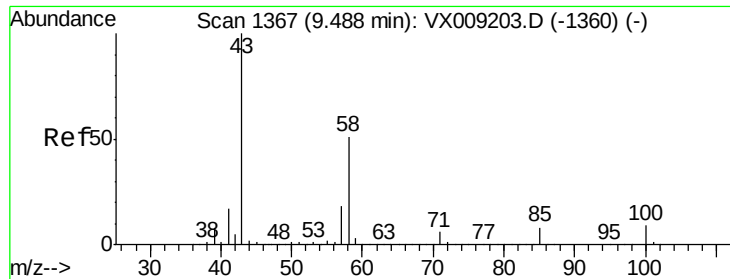
Tgt Ion: 63 Resp: 181117

Ion Ratio Lower Upper

63 100

106 24.2 19.7 29.5

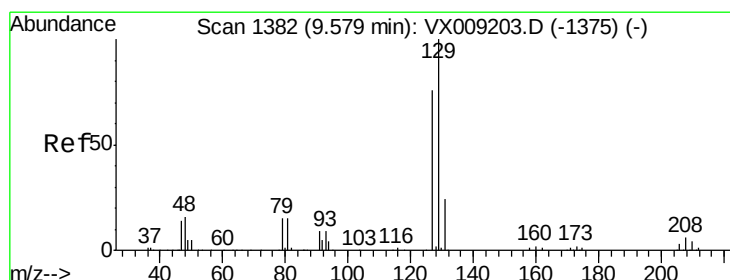
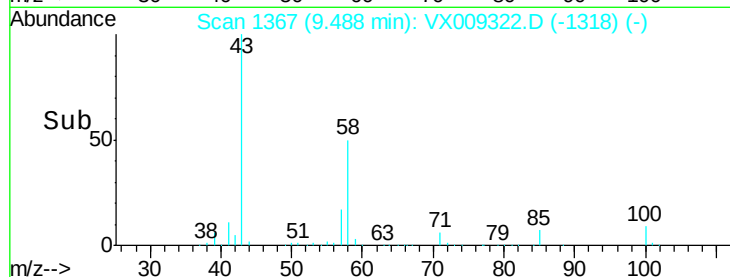
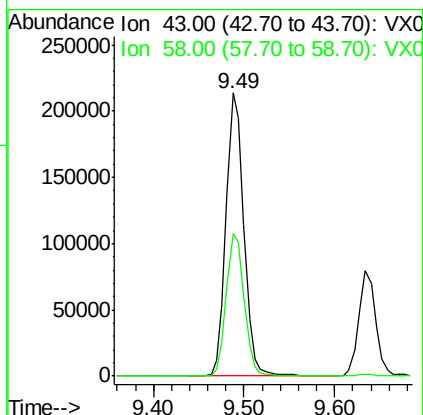
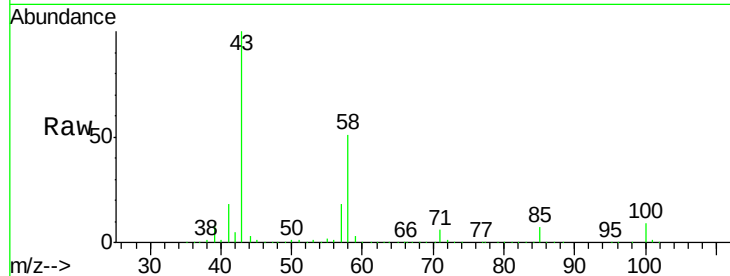




#59
2-Hexanone
Concen: 99.435 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX009322.D
Acq: 03 May 2019 20:10

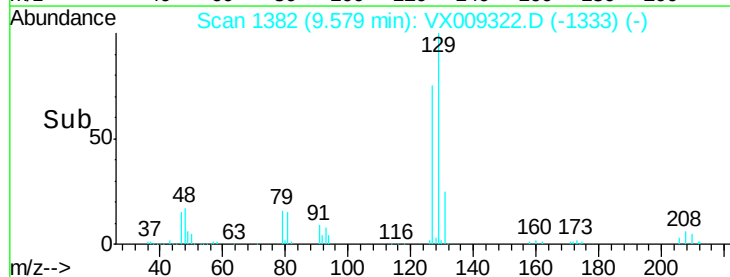
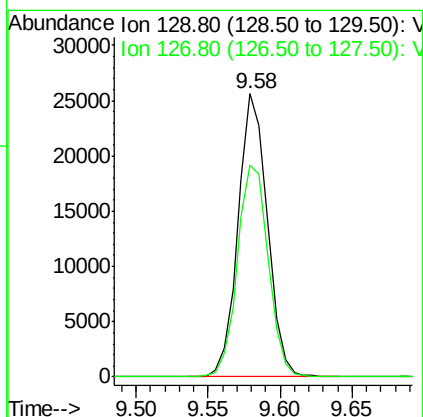
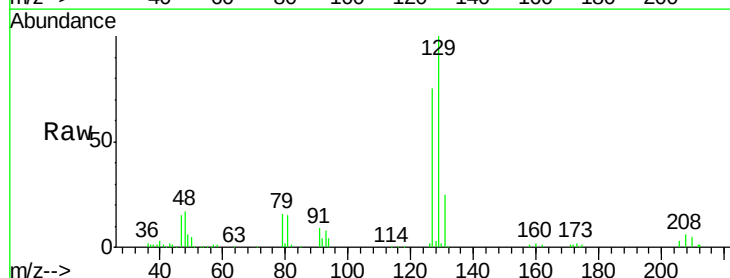
Instrument :
MSVOA_X
ClientSampleId :
VX0503WBSD02

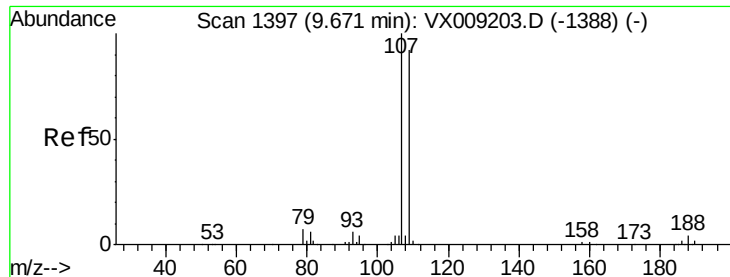
Tot Ion: 43 Resp: 292655
Ion Ratio Lower Upper
43 100
58 51.2 25.9 77.7



#60
Dibromochloromethane
Concen: 18.740 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX009322.D
Acq: 03 May 2019 20:10

Tgt Ion: 129 Resp: 36139
Ion Ratio Lower Upper
129 100
127 79.2 38.4 115.1





#61

1,2-Dibromoethane

Concen: 19.638 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX009322.D

Acq: 03 May 2019 20:10

Instrument :

MSVOA_X

ClientSampleId :

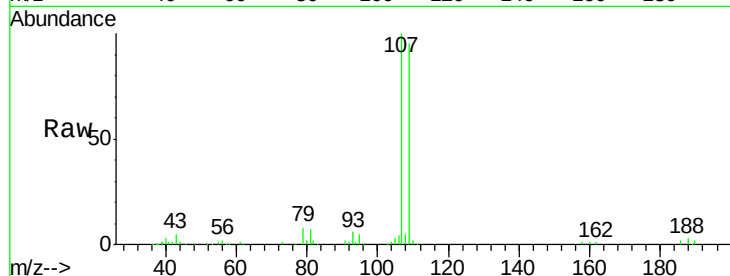
VX0503WBSD02

Tot Ion:107 Resp: 39140

Ion Ratio Lower Upper

107 100

109 93.9 75.2 112.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

30000

25000

20000

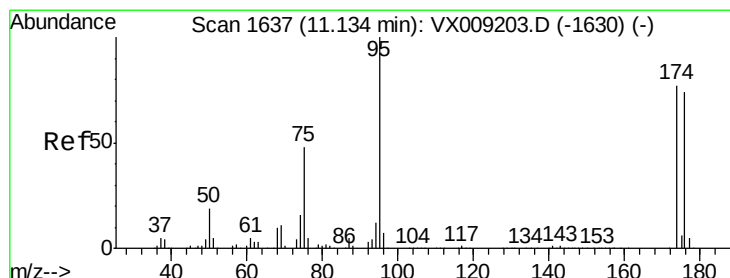
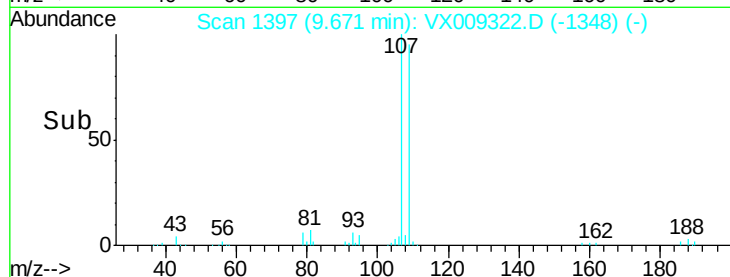
15000

10000

5000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 48.892 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009322.D

Acq: 03 May 2019 20:10

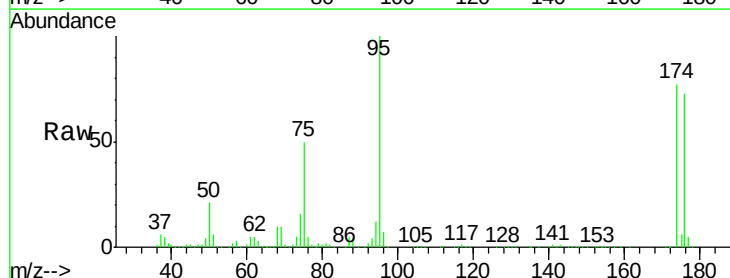
Tgt Ion: 95 Resp: 124815

Ion Ratio Lower Upper

95 100

174 81.8 0.0 161.6

176 78.5 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

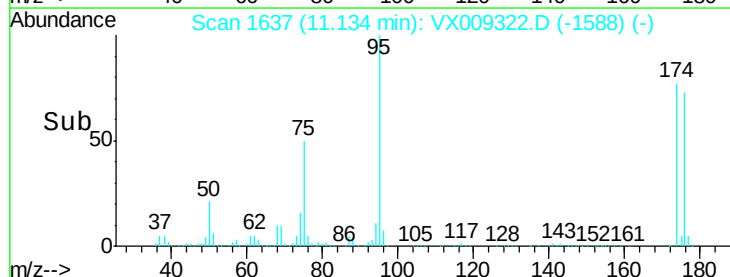
11.13

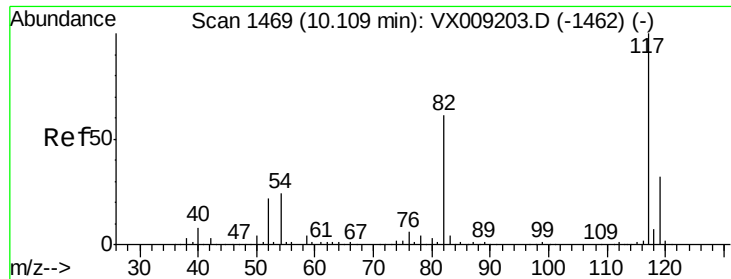
100000

50000

0

Time-->

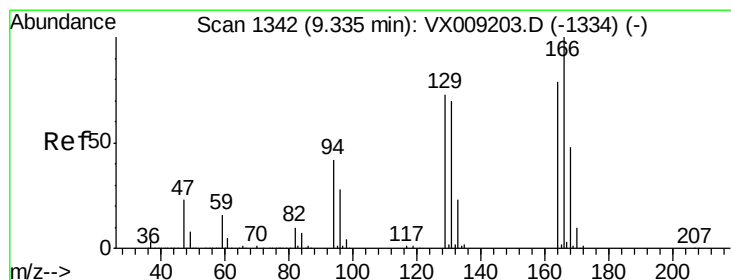
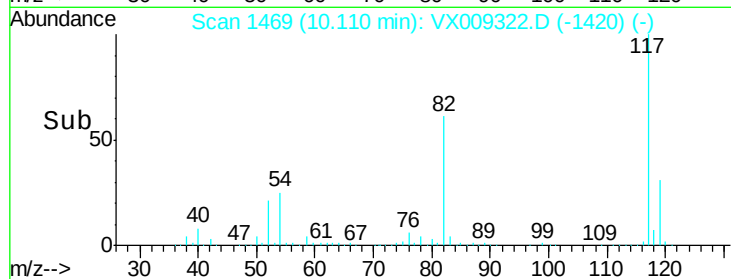
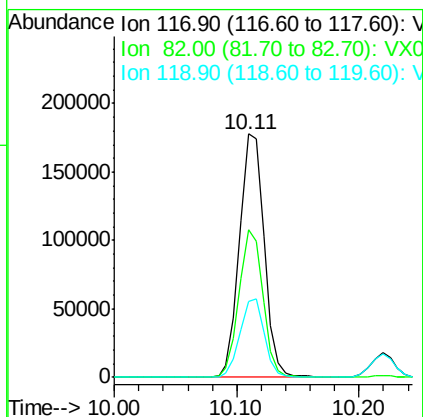
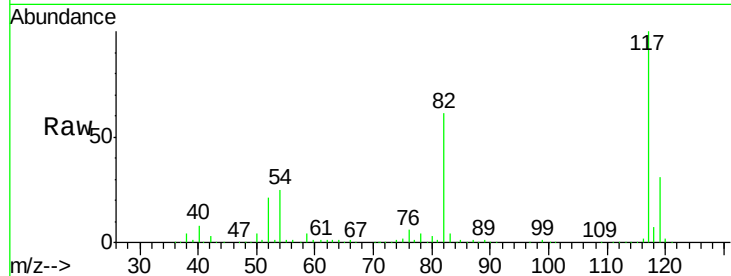




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009322.D
Acq: 03 May 2019 20:10

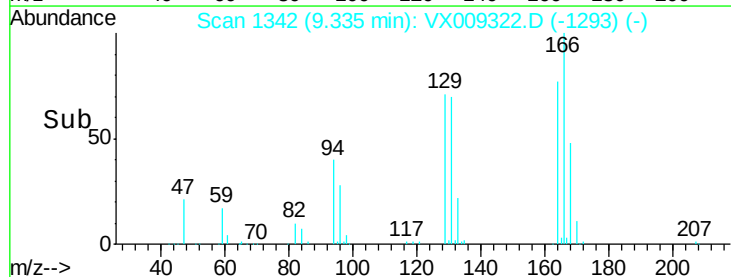
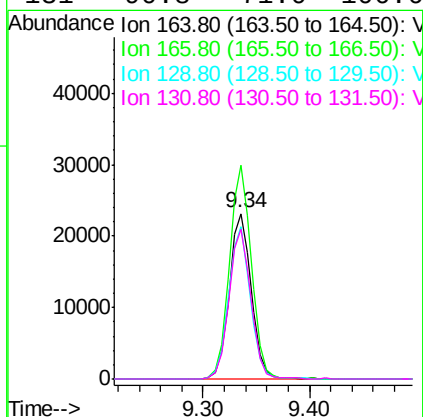
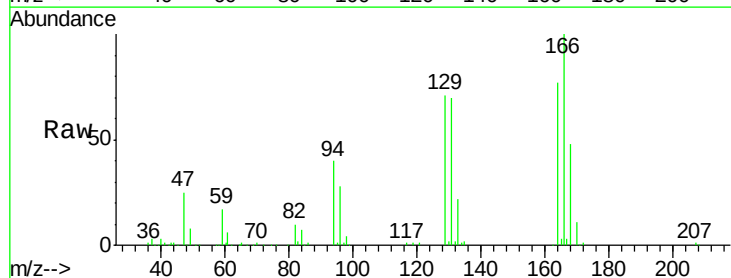
Instrument :
MSVOA_X
ClientSampleId :
VX0503WBSD02

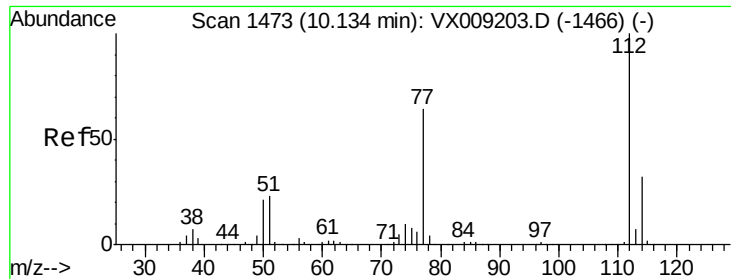
Tot Ion:117 Resp: 248346
Ion Ratio Lower Upper
117 100
82 60.6 48.8 73.2
119 31.3 25.8 38.6



#64
Tetrachloroethene
Concen: 19.694 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX009322.D
Acq: 03 May 2019 20:10

Tgt Ion:164 Resp: 33550
Ion Ratio Lower Upper
164 100
166 129.3 101.2 151.8
129 92.1 74.3 111.5
131 90.8 71.0 106.6





#65

Chlorobenzene

Concen: 19.420 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.01 min

Lab File: VX009322.D

Acq: 03 May 2019 20:10

Instrument :

MSVOA_X

ClientSampleId :

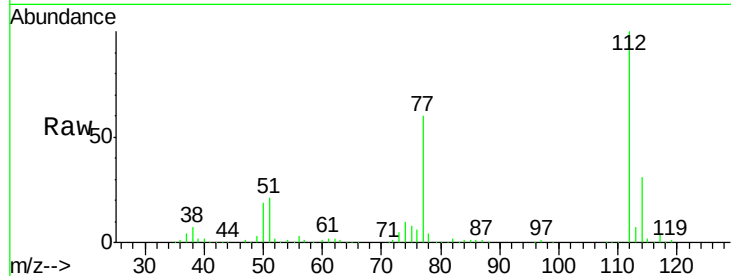
VX0503WBSD02

Tot Ion:112 Resp: 96477

Ion Ratio Lower Upper

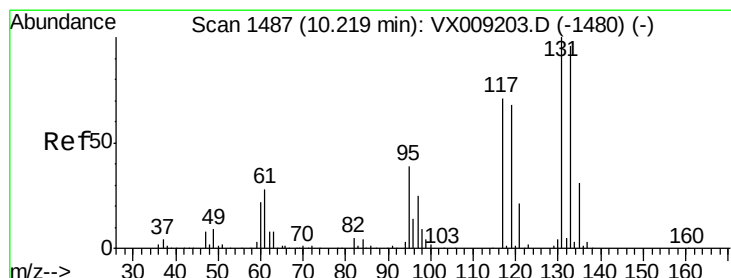
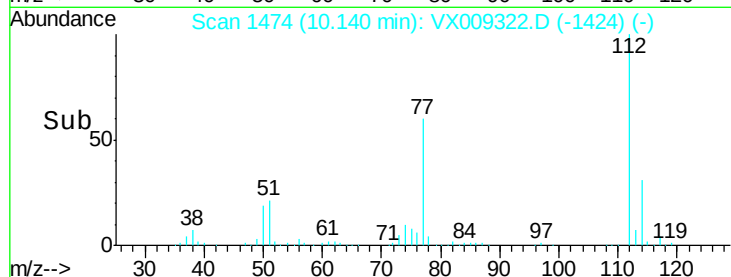
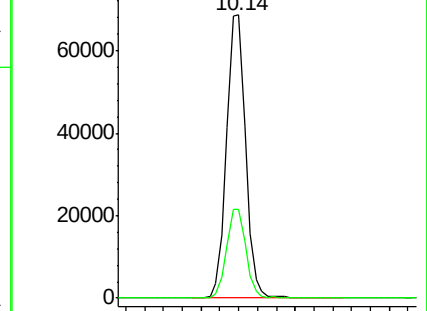
112 100

114 31.3 25.5 38.3



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.431 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX009322.D

Acq: 03 May 2019 20:10

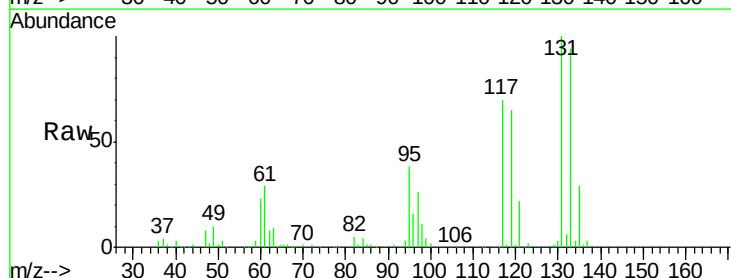
Tgt Ion:131 Resp: 34998

Ion Ratio Lower Upper

131 100

133 94.2 47.7 143.1

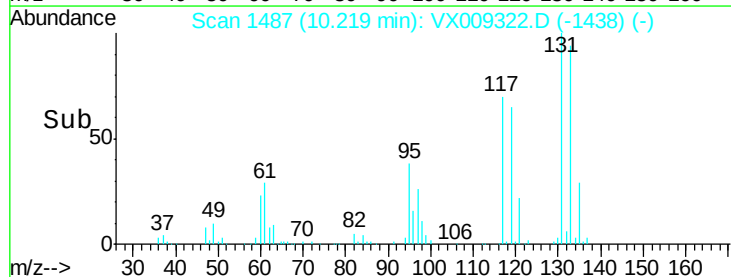
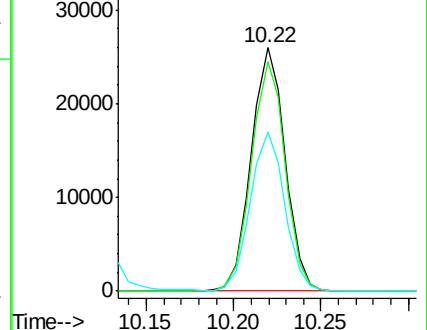
119 66.5 33.5 100.4

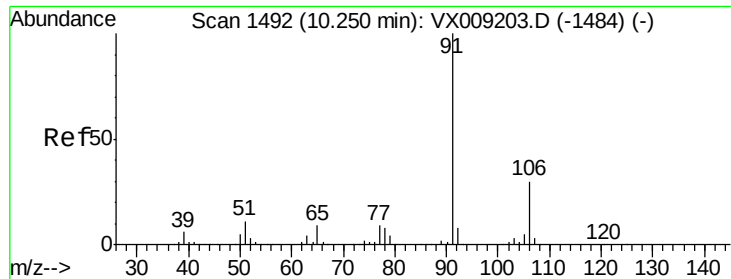


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

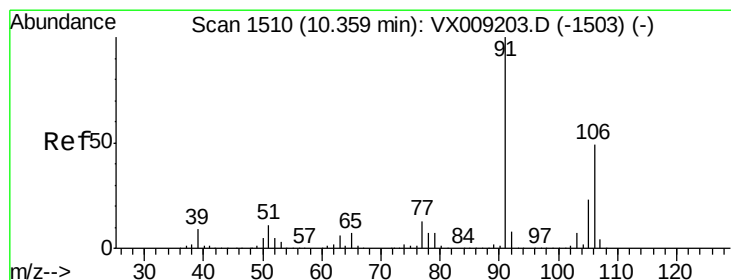
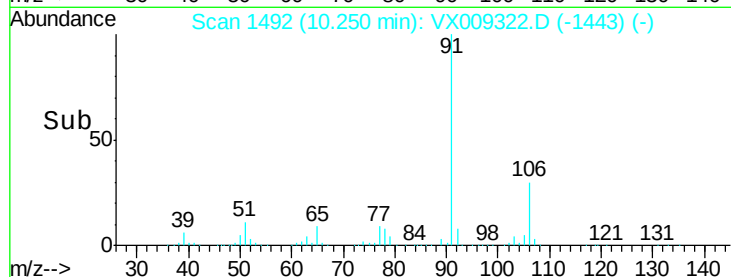
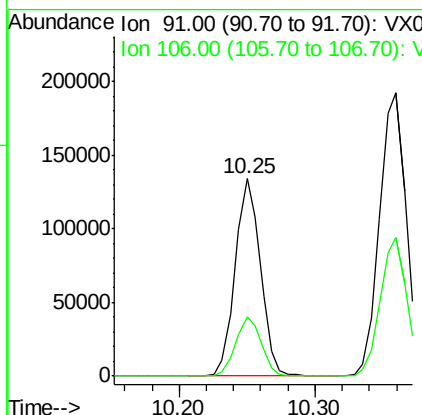
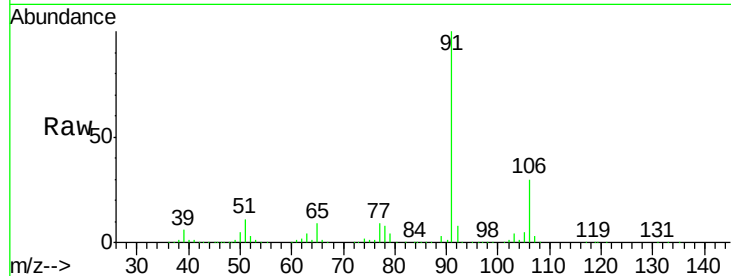




#67
Ethyl Benzene
Concen: 18.984 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX009322.D
Acq: 03 May 2019 20:10

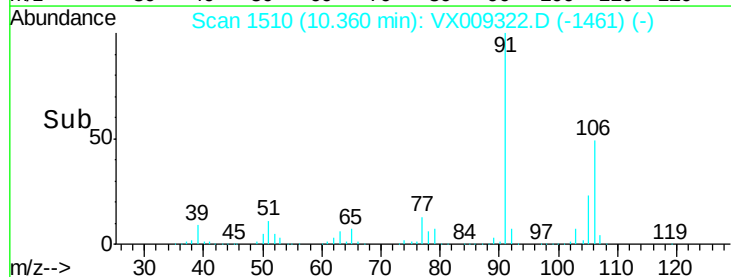
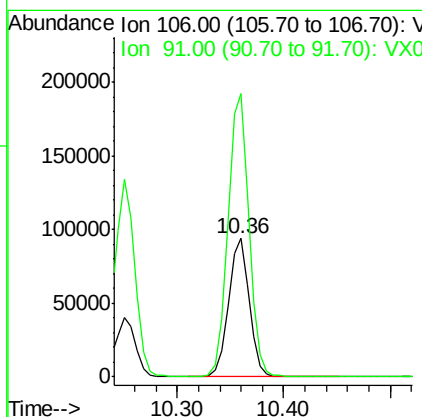
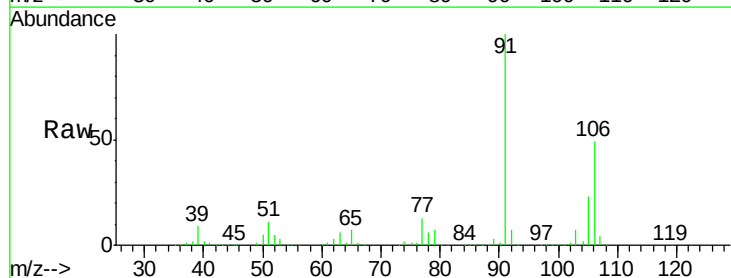
Instrument :
MSVOA_X
ClientSampled :
VX0503WBSD02

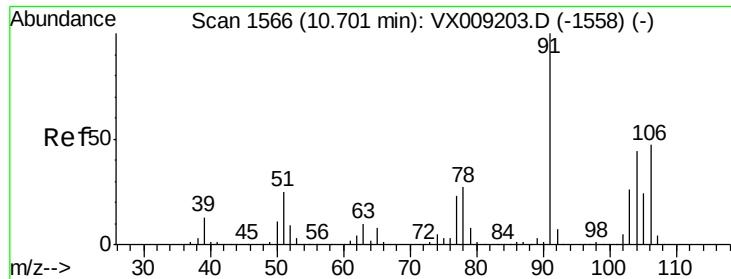
Tot Ion: 91 Resp: 173569
Ion Ratio Lower Upper
91 100
106 30.1 24.0 36.0



#68
m/p-Xylenes
Concen: 38.221 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX009322.D
Acq: 03 May 2019 20:10

Tgt Ion: 106 Resp: 127704
Ion Ratio Lower Upper
106 100
91 207.3 164.0 246.0

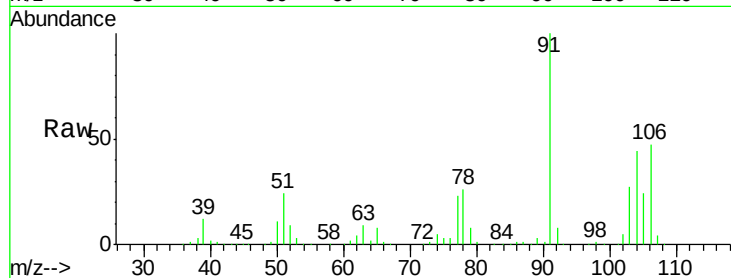




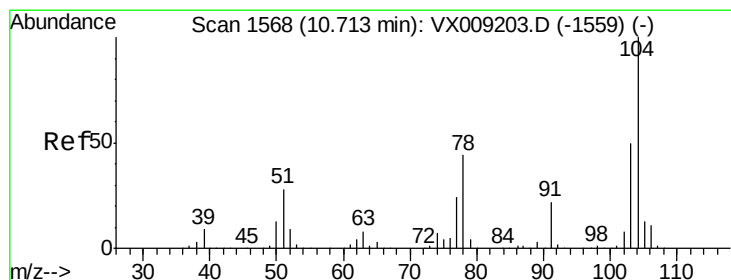
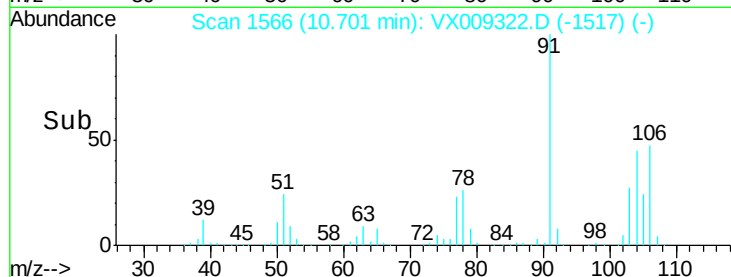
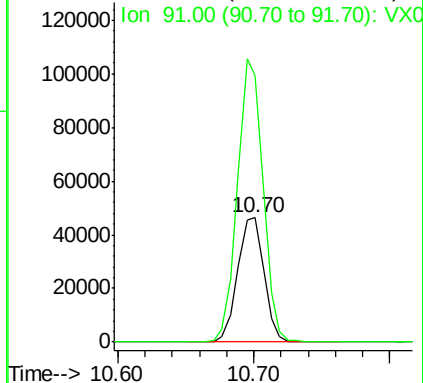
#69
o-Xylene
Concen: 19.127 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX009322.D
Acq: 03 May 2019 20:10

Instrument :
MSVOA_X
ClientSampleId :
VX0503WBSD02

Tot Ion:106 Resp: 63055
Ion Ratio Lower Upper
106 100
91 219.5 109.5 328.4

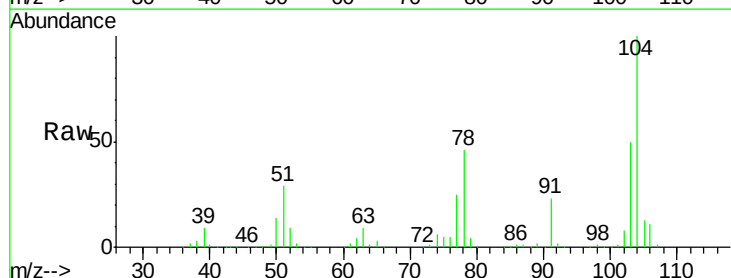


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

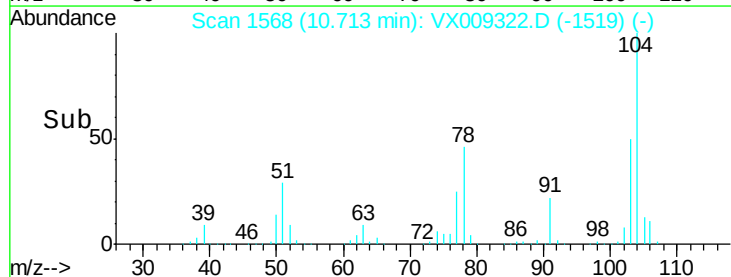
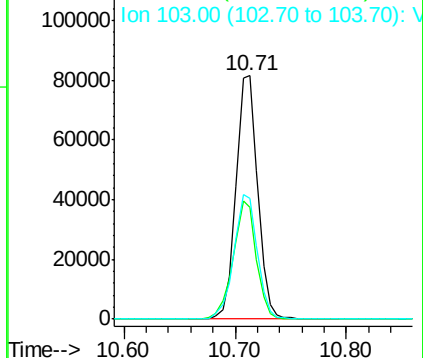


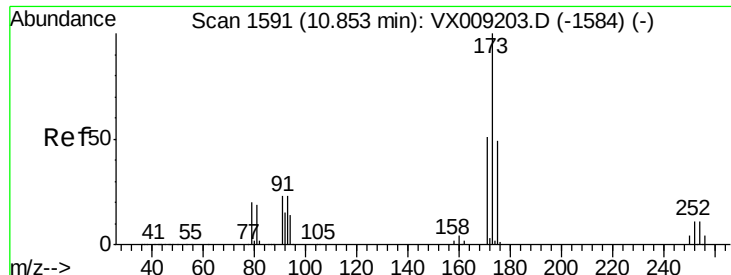
#70
Styrene
Concen: 19.224 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX009322.D
Acq: 03 May 2019 20:10

Tgt Ion:104 Resp: 110147
Ion Ratio Lower Upper
104 100
78 51.5 41.0 61.4
103 55.3 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: 18.796 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX009322.D

Acq: 03 May 2019 20:10

Instrument :

MSVOA_X

ClientSampleId :

VX0503WBSD02

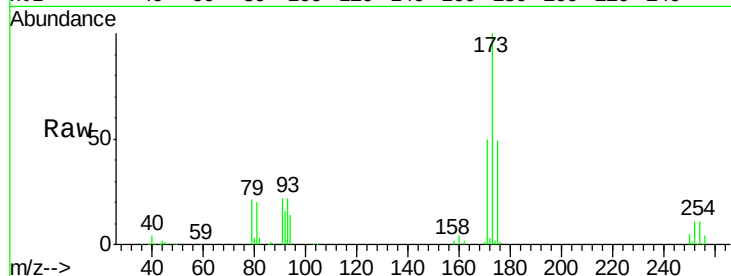
Tot Ion:173 Resp: 27511

Ion Ratio Lower Upper

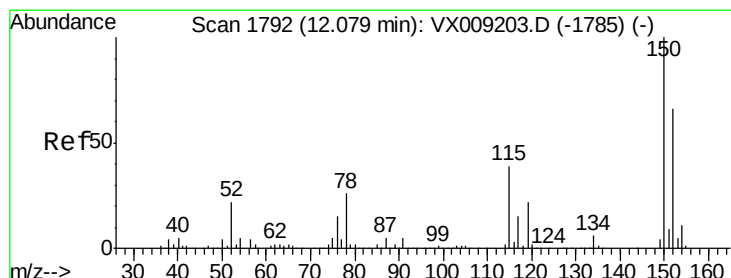
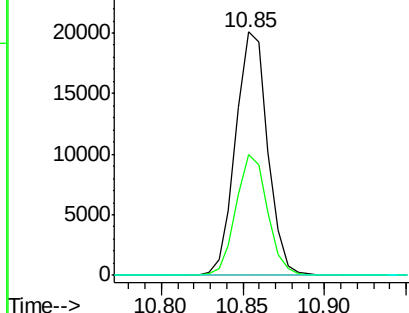
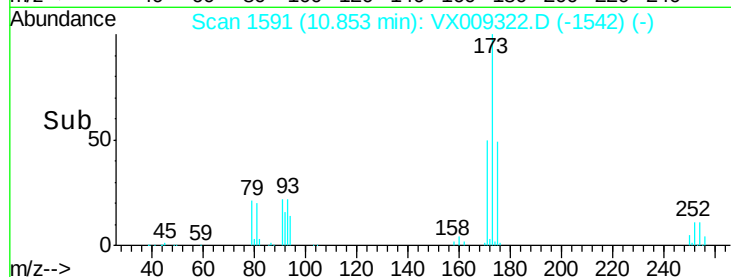
173 100

175 48.5 24.5 73.5

254 0.1 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: VX009322.D

Acq: 03 May 2019 20:10

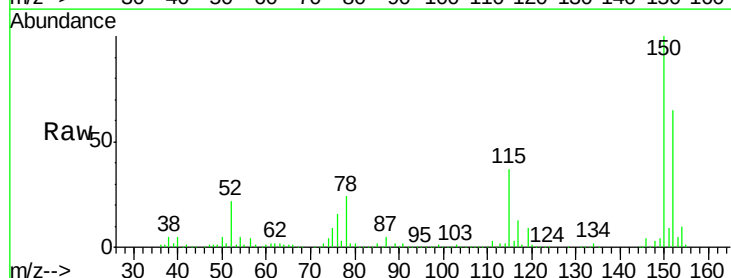
Tgt Ion:152 Resp: 118521

Ion Ratio Lower Upper

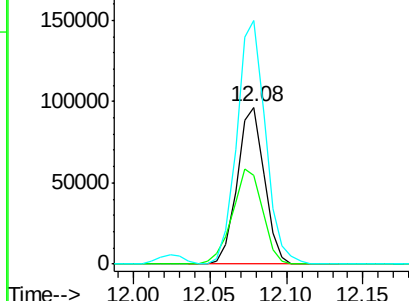
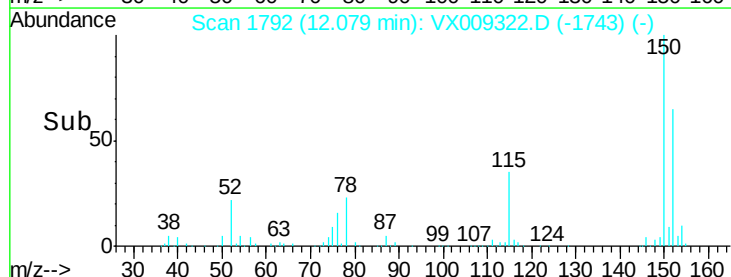
152 100

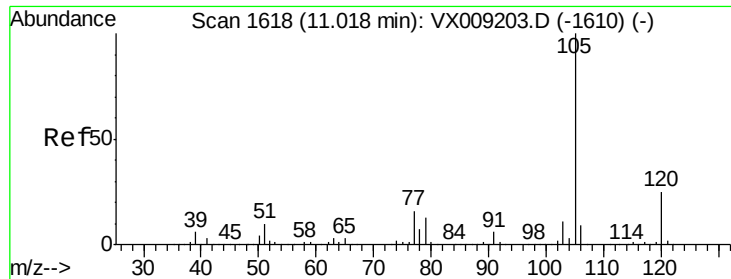
115 67.6 41.2 123.6

150 162.9 0.0 346.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.624 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX009322.D

Acq: 03 May 2019 20:10

Instrument :

MSVOA_X

ClientSampleId :

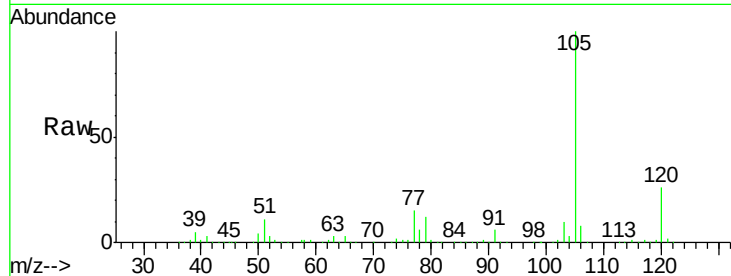
VX0503WBSD02

Tot Ion:105 Resp: 169131

Ion Ratio Lower Upper

105 100

120 25.7 12.8 38.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.02

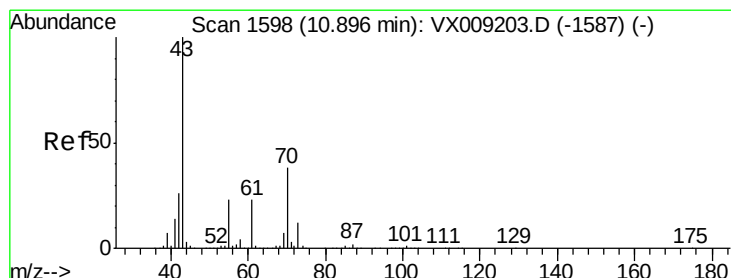
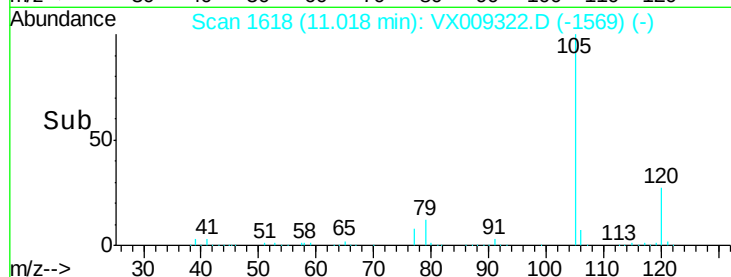
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 19.834 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX009322.D

Acq: 03 May 2019 20:10

Tgt Ion: 43 Resp: 99662

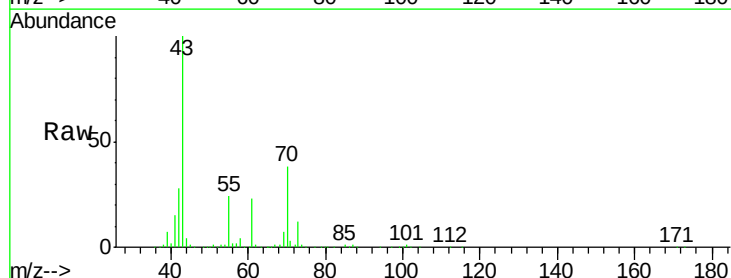
Ion Ratio Lower Upper

43 100

70 37.5 30.0 45.0

55 23.3 17.9 26.9

61 22.4 18.4 27.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

10.90

120000

100000

80000

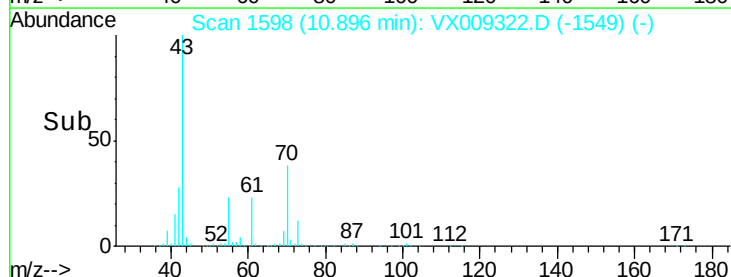
60000

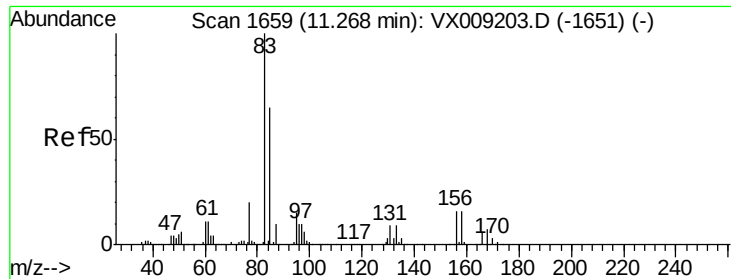
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.868 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX009322.D

Acq: 03 May 2019 20:10

Instrument :

MSVOA_X

ClientSampleId :

VX0503WBSD02

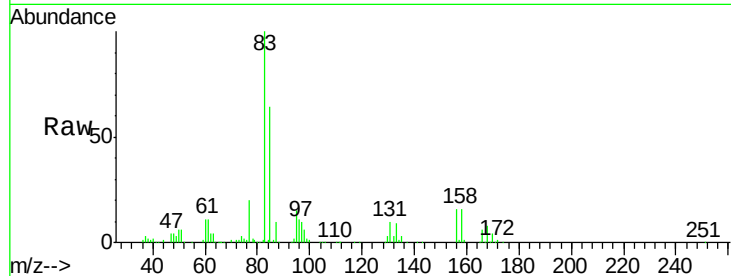
Tot Ion: 83 Resp: 63833

Ion Ratio Lower Upper

83 100

131 9.5 4.6 13.8

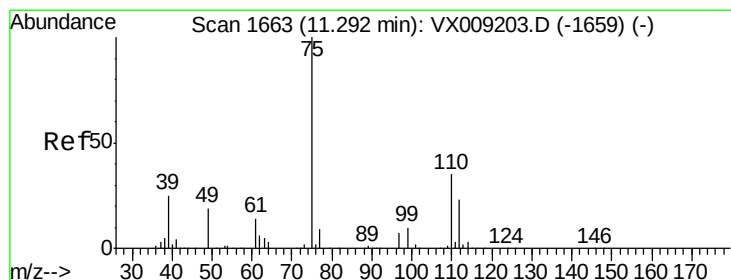
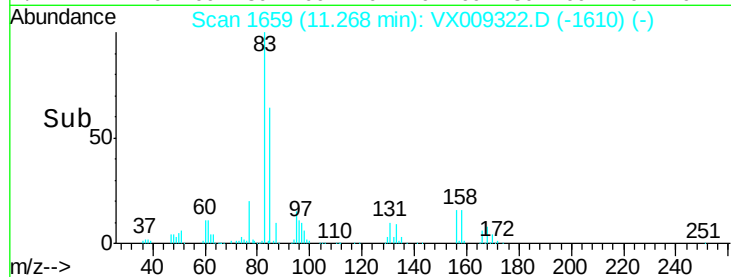
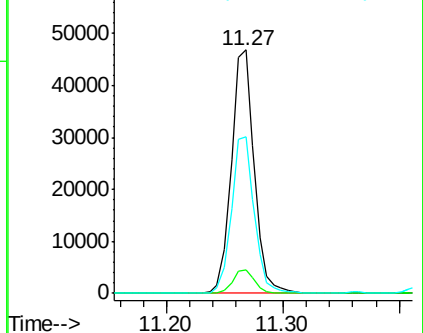
85 64.4 32.0 96.2



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: 26.159 ug/l

RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

Lab File: VX009322.D

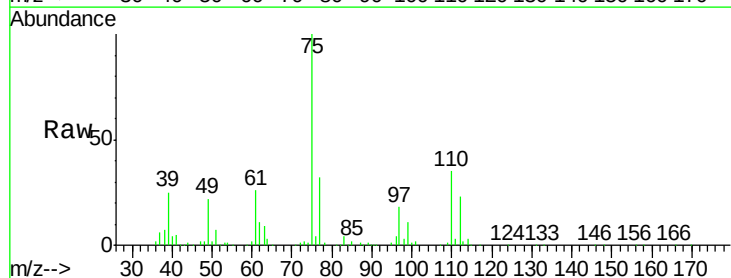
Acq: 03 May 2019 20:10

Tgt Ion: 75 Resp: 71917

Ion Ratio Lower Upper

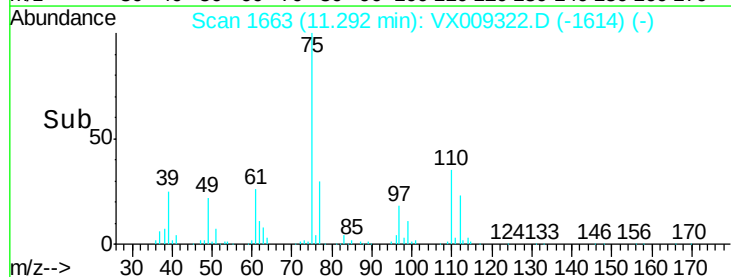
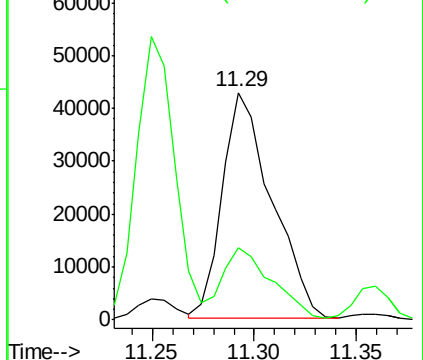
75 100

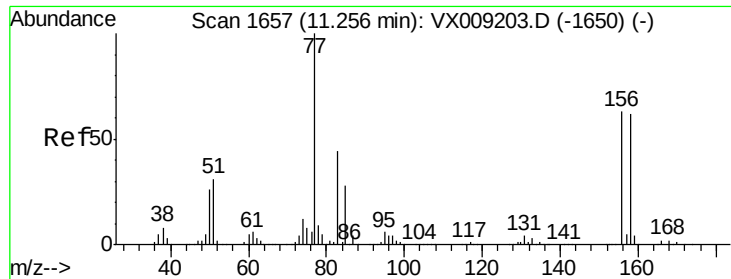
77 32.2 22.1 66.1



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 19.438 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX009322.D

Acq: 03 May 2019 20:10

Instrument :

MSVOA_X

ClientSampleId :

VX0503WBSD02

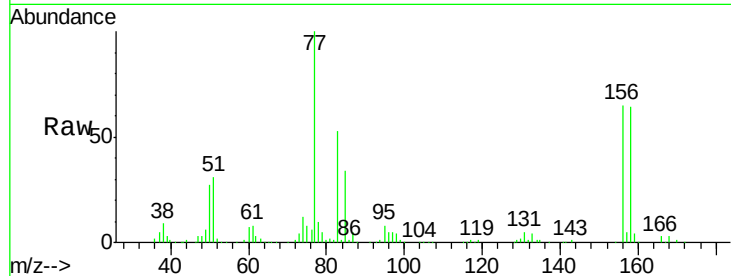
Tot Ion:156 Resp: 41581

Ion Ratio Lower Upper

156 100

77 168.3 84.8 254.3

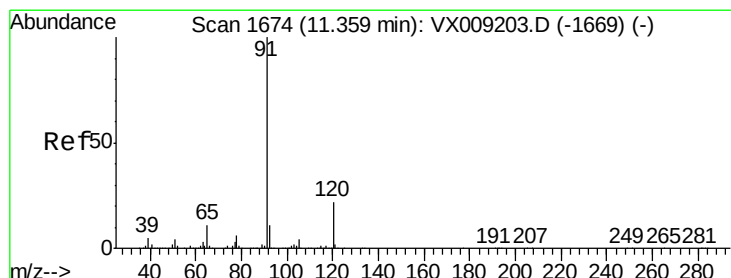
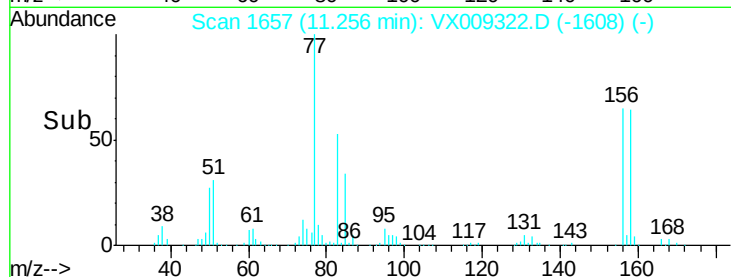
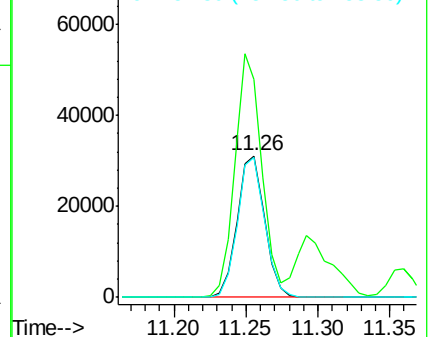
158 97.9 49.1 147.3



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: 19.252 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX009322.D

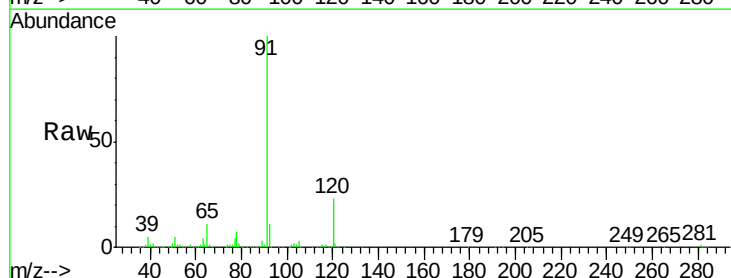
Acq: 03 May 2019 20:10

Tgt Ion: 91 Resp: 189502

Ion Ratio Lower Upper

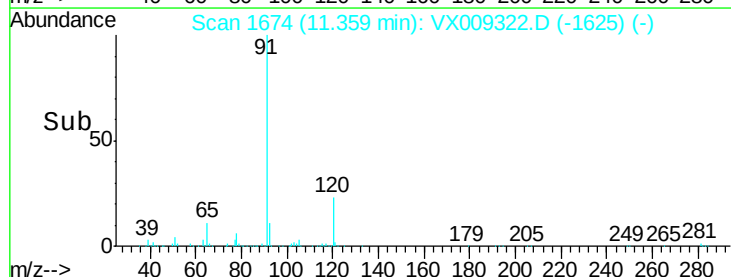
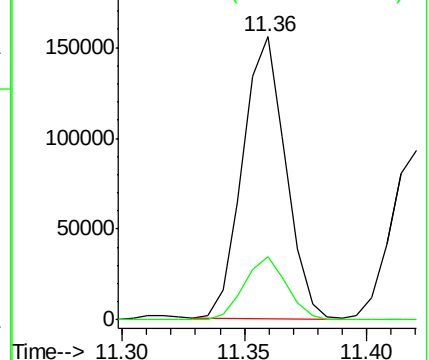
91 100

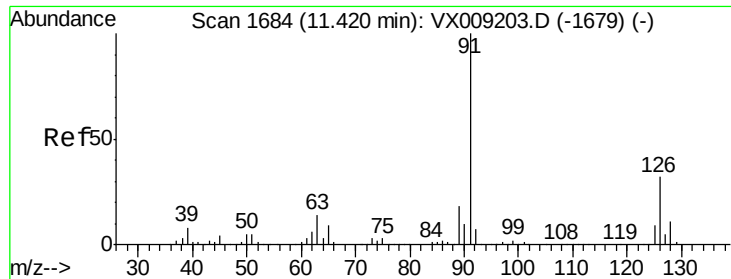
120 22.3 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

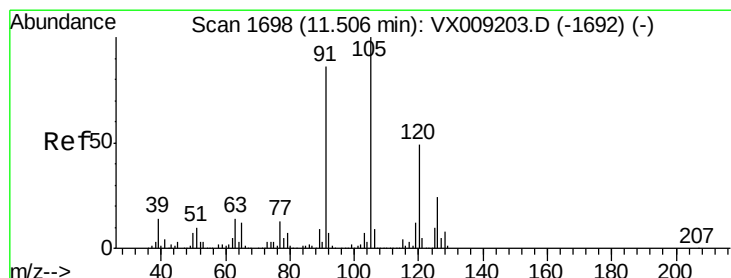
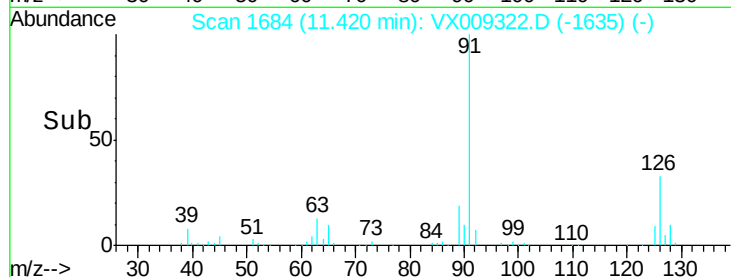
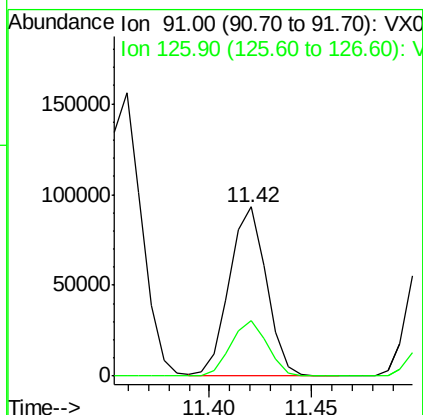
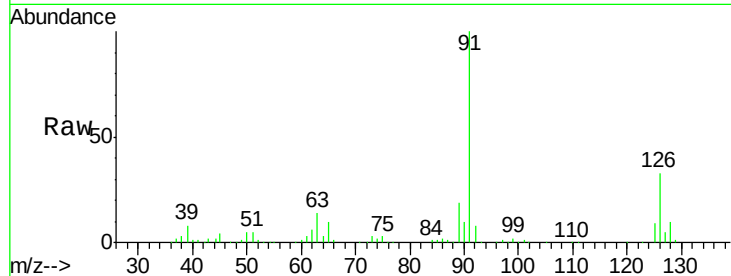




#79
 2-Chlorotoluene
 Concen: 19.210 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. 0.00 min
 Lab File: VX009322.D
 Acq: 03 May 2019 20:10

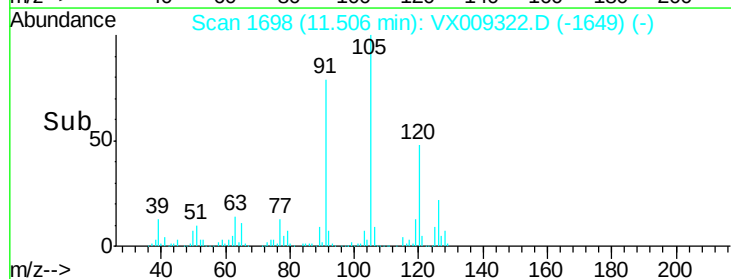
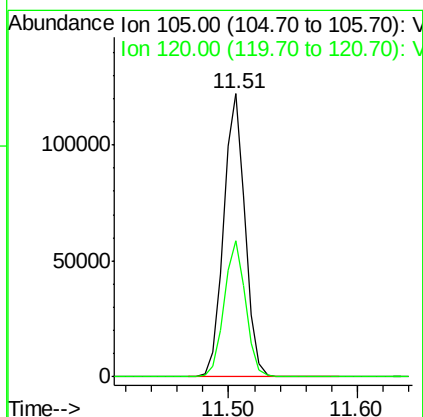
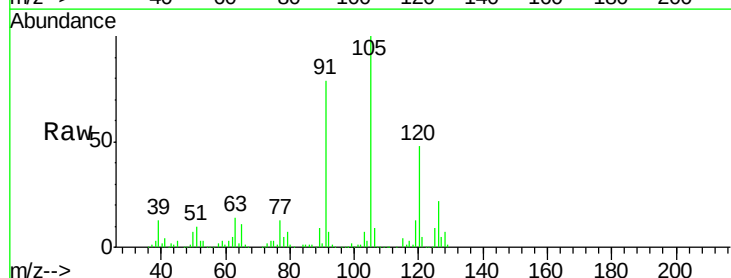
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0503WBSD02

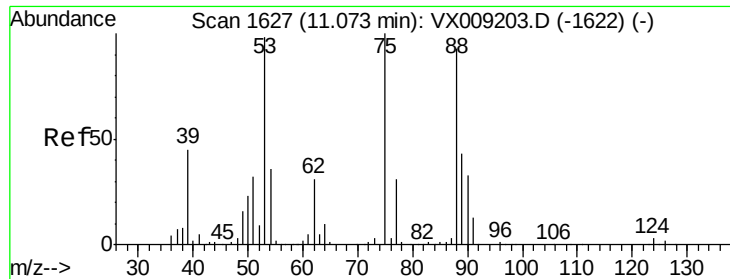
Tot Ion: 91 Resp: 116657
 Ion Ratio Lower Upper
 91 100
 126 32.5 16.3 48.9



#80
 1,3,5-Trimethylbenzene
 Concen: 19.678 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX009322.D
 Acq: 03 May 2019 20:10

Tgt Ion: 105 Resp: 142805
 Ion Ratio Lower Upper
 105 100
 120 48.1 24.3 72.9

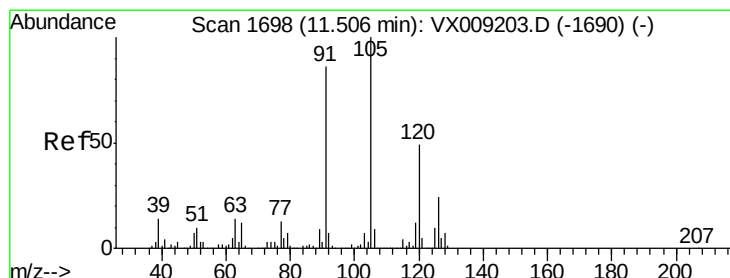
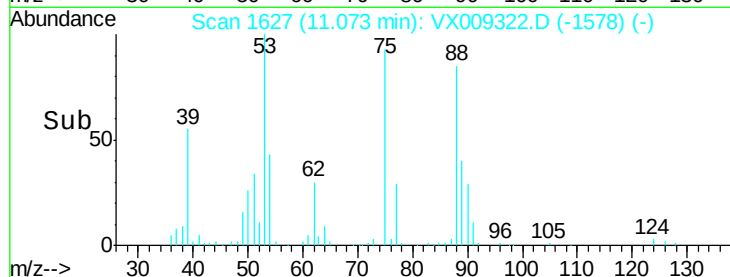
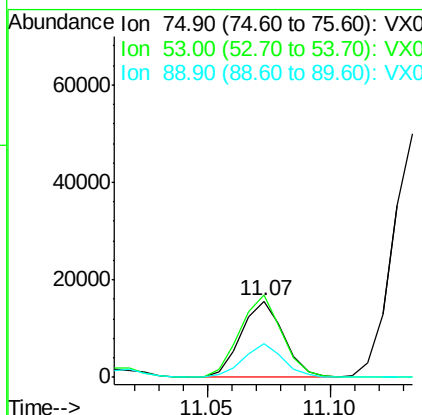
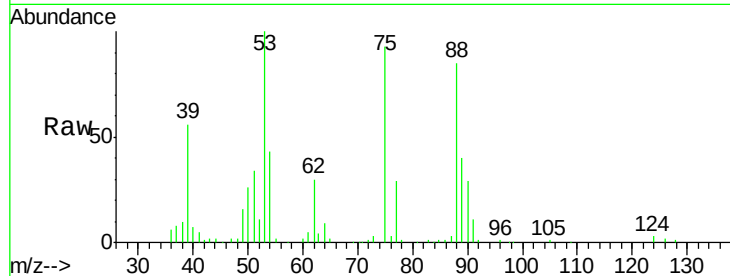




#81
trans-1,4-Dichloro-2-butene
Concen: 17.524 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX009322.D
Acq: 03 May 2019 20:10

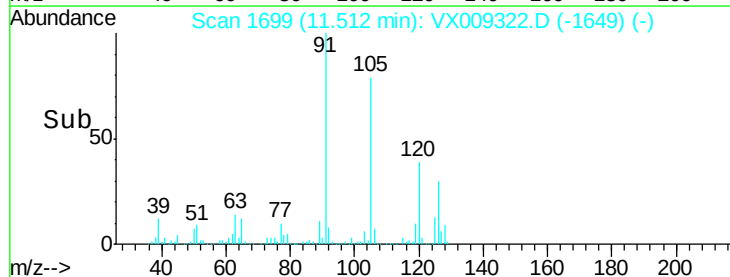
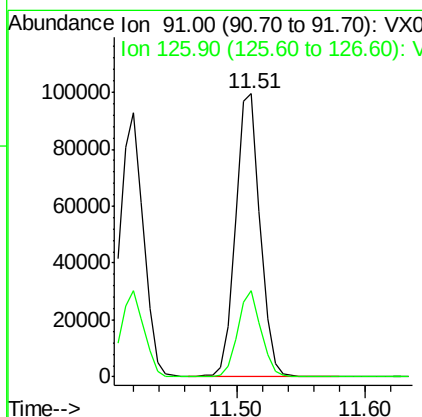
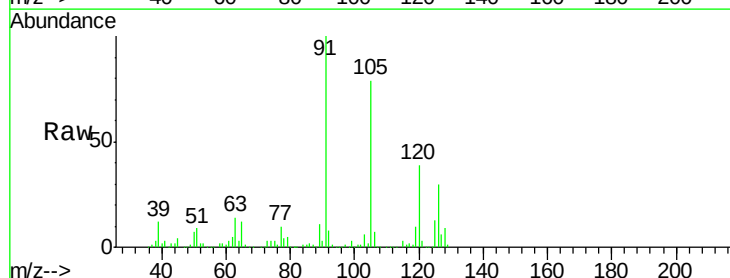
Instrument :
MSVOA_X
ClientSampleId :
VX0503WBSD02

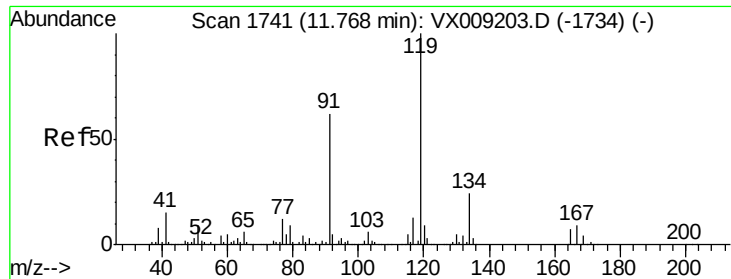
Tot Ion: 75 Resp: 18830
Ion Ratio Lower Upper
75 100
53 108.9 79.0 118.6
89 42.1 34.7 52.1



#82
4-Chlorotoluene
Concen: 19.073 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. 0.01 min
Lab File: VX009322.D
Acq: 03 May 2019 20:10

Tgt Ion: 91 Resp: 130845
Ion Ratio Lower Upper
91 100
126 29.0 14.5 43.6

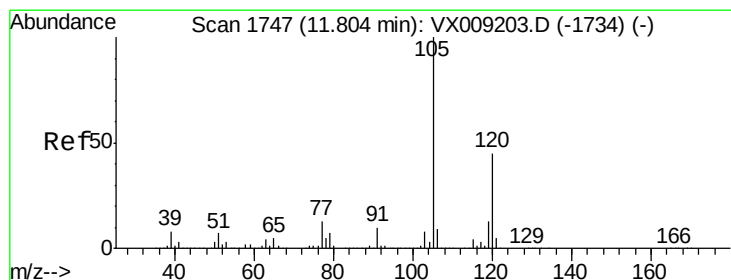
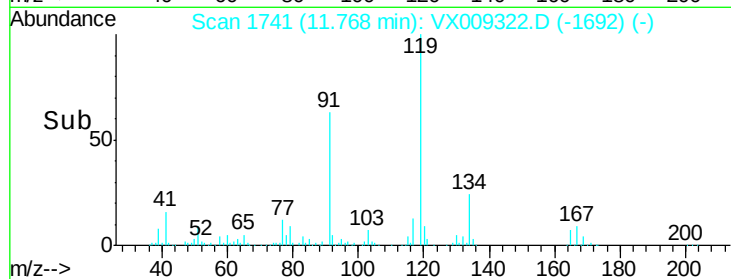
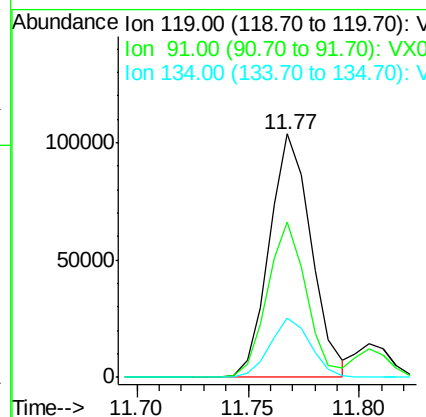
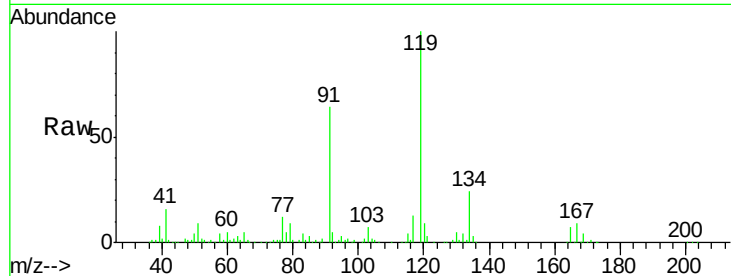




#83
 tert-Butylbenzene
 Concen: 19.171 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX009322.D
 Acq: 03 May 2019 20:10

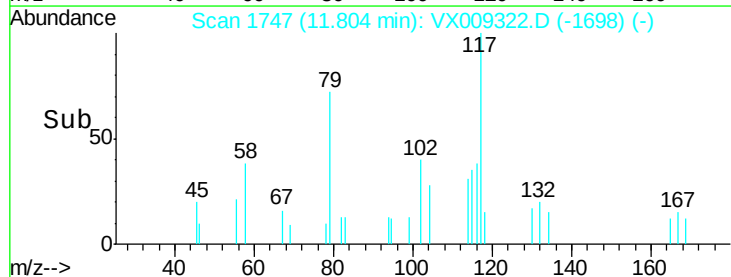
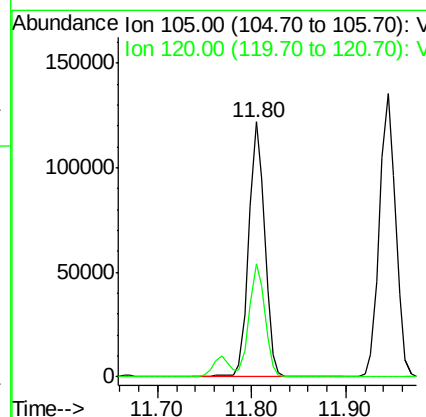
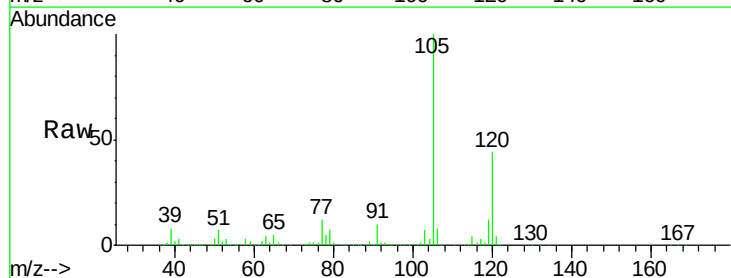
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0503WBSD02

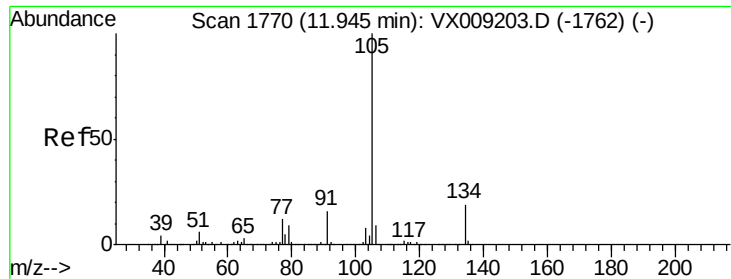
Tot Ion	Ratio	Lower	Upper
119	100		
91	59.7	29.5	88.5
134	23.2	11.4	34.1



#84
 1,2,4-Trimethylbenzene
 Concen: 19.674 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX009322.D
 Acq: 03 May 2019 20:10

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.5	22.0	66.0





#85

sec-Butylbenzene

Concen: 19.405 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX009322.D

Acq: 03 May 2019 20:10

Instrument :

MSVOA_X

ClientSampleId :

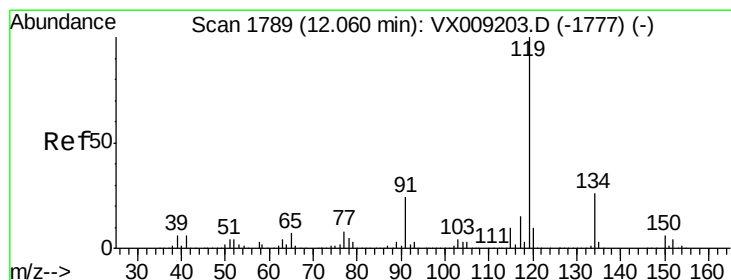
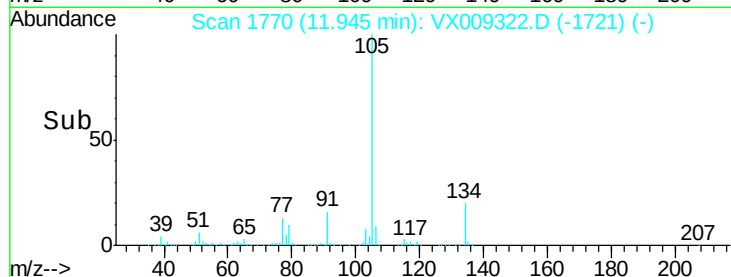
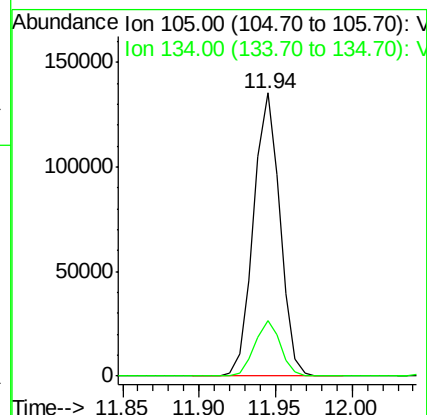
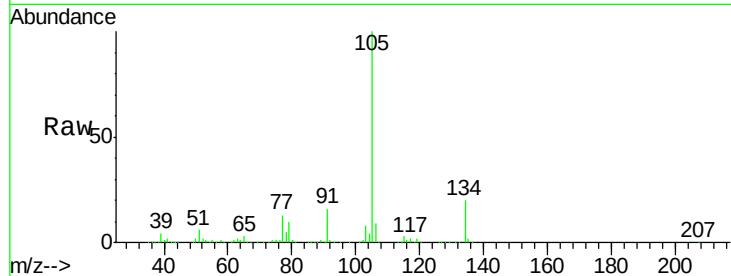
VX0503WBSD02

Tot Ion:105 Resp: 162414

Ion Ratio Lower Upper

105 100

134 19.2 9.7 28.9



#86

p-Isopropyltoluene

Concen: 19.433 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX009322.D

Acq: 03 May 2019 20:10

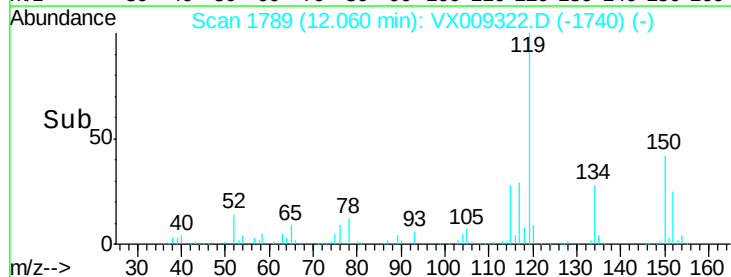
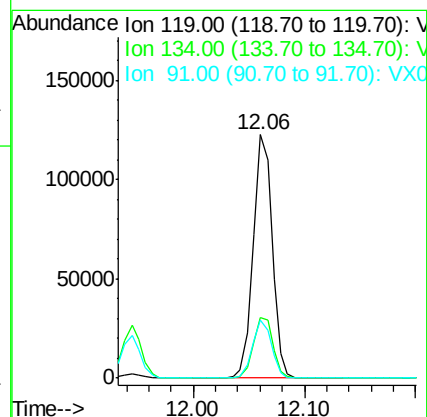
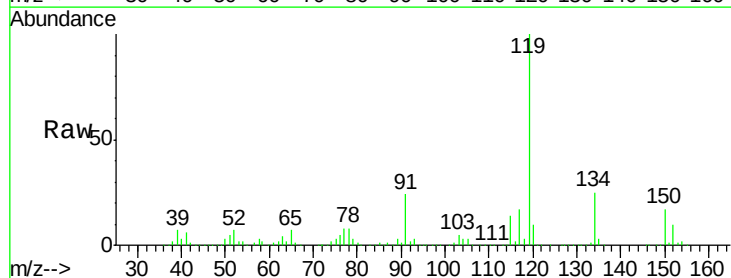
Tgt Ion:119 Resp: 146222

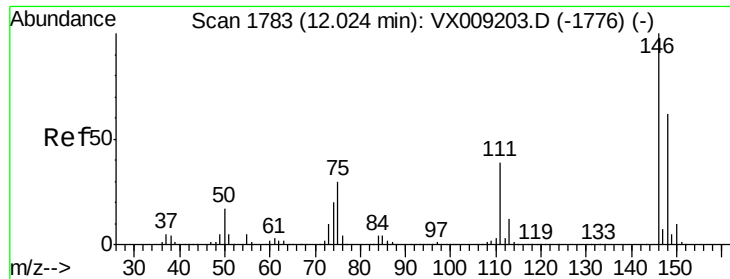
Ion Ratio Lower Upper

119 100

134 26.0 12.9 38.7

91 23.8 11.8 35.4





#87

1,3-Dichlorobenzene

Concen: 19.262 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VX009322.D

Acq: 03 May 2019 20:10

Instrument :

MSVOA_X

ClientSampleId :

VX0503WBSD02

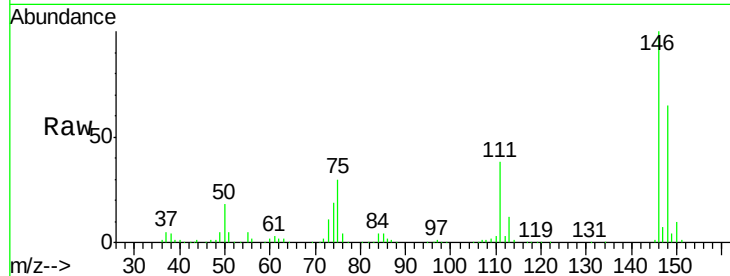
Tot Ion:146 Resp: 73455

Ion Ratio Lower Upper

146 100

111 39.6 20.0 59.9

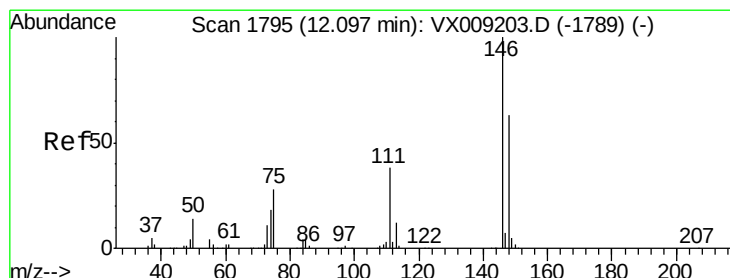
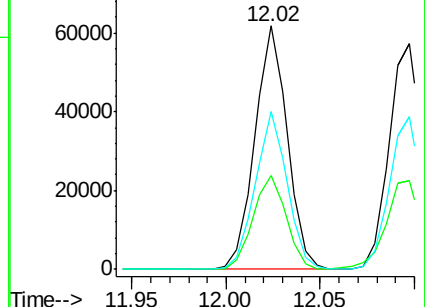
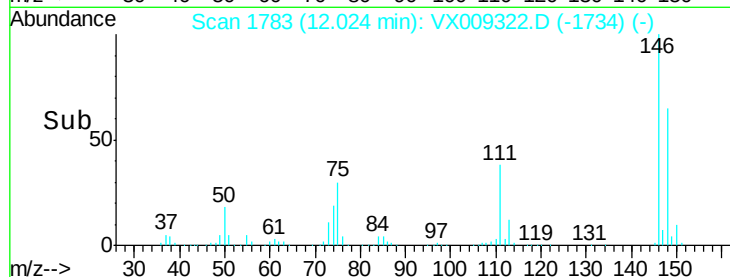
148 63.9 31.8 95.3



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



#88

1,4-Dichlorobenzene

Concen: 18.835 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VX009322.D

Acq: 03 May 2019 20:10

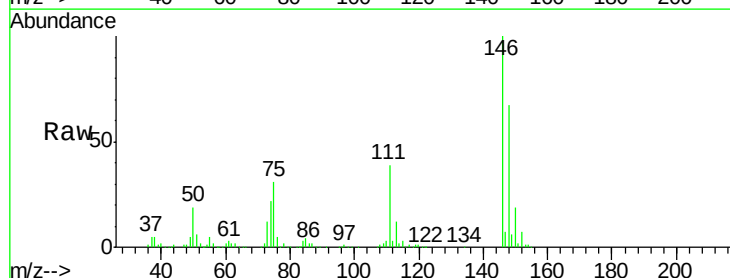
Tgt Ion:146 Resp: 72416

Ion Ratio Lower Upper

146 100

111 41.3 19.6 58.8

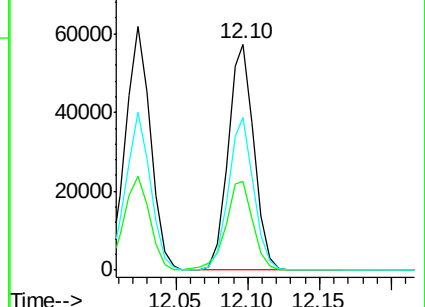
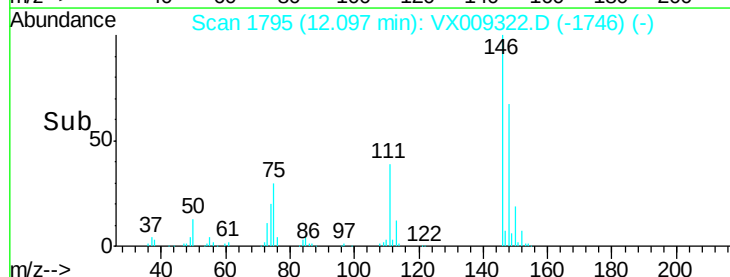
148 66.0 31.8 95.3

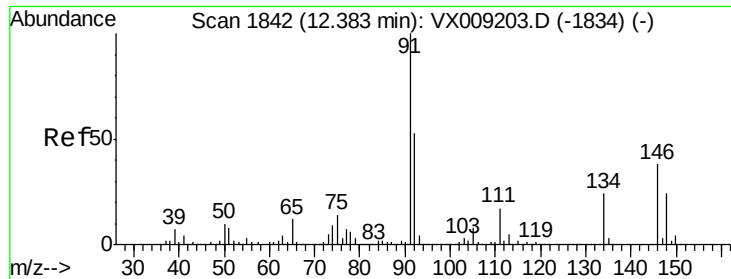


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 18.855 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. 0.00 min

Lab File: VX009322.D

Acq: 03 May 2019 20:10

Instrument :

MSVOA_X

ClientSampleId :

VX0503WBSD02

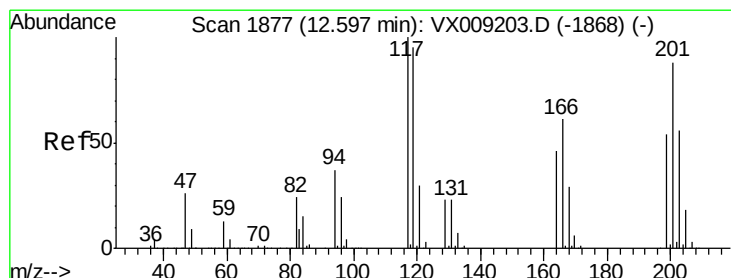
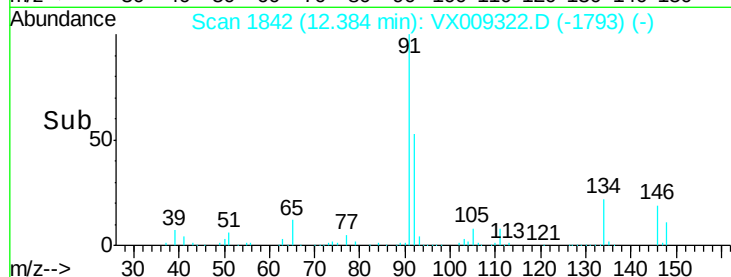
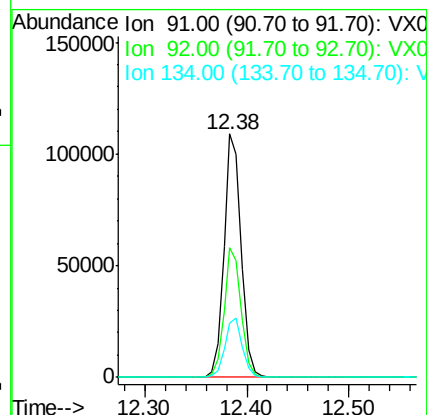
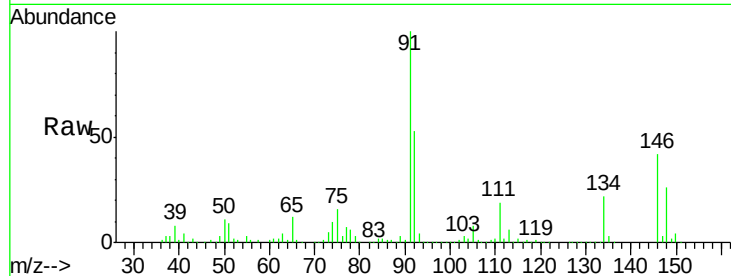
Tot Ion: 91 Resp: 128230

Ion Ratio Lower Upper

91 100

92 52.5 26.5 79.5

134 24.3 12.4 37.2



#90

Hexachloroethane

Concen: 18.761 ug/l

RT: 12.60 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VX009322.D

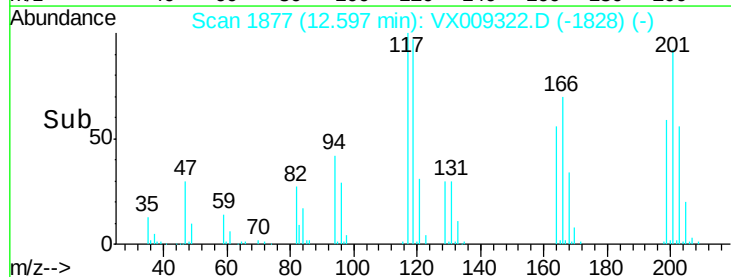
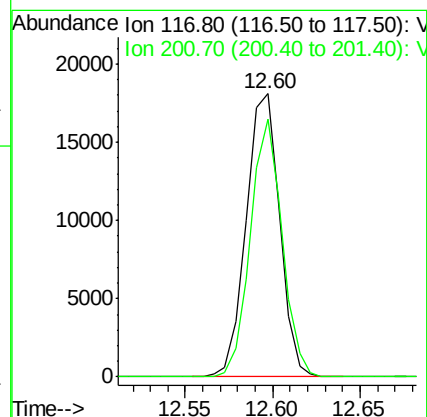
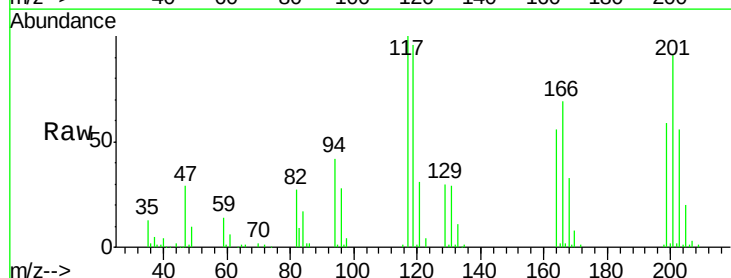
Acq: 03 May 2019 20:10

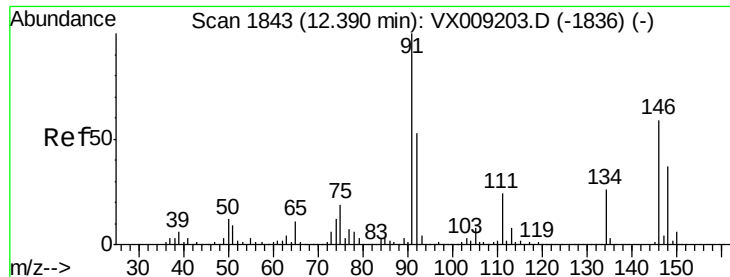
Tgt Ion: 117 Resp: 24049

Ion Ratio Lower Upper

117 100

201 85.9 42.3 126.9





#91

1,2-Dichlorobenzene

Concen: 19.141 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX009322.D

Acq: 03 May 2019 20:10

Instrument :

MSVOA_X

ClientSampleId :

VX0503WBSD02

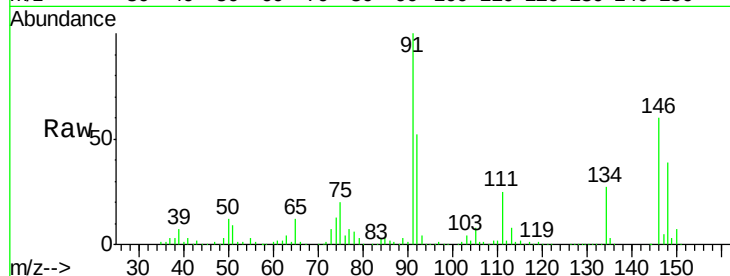
Tot Ion:146 Resp: 74347

Ion Ratio Lower Upper

146 100

111 42.3 20.8 62.4

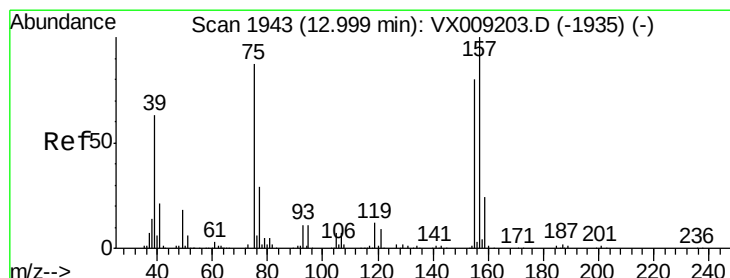
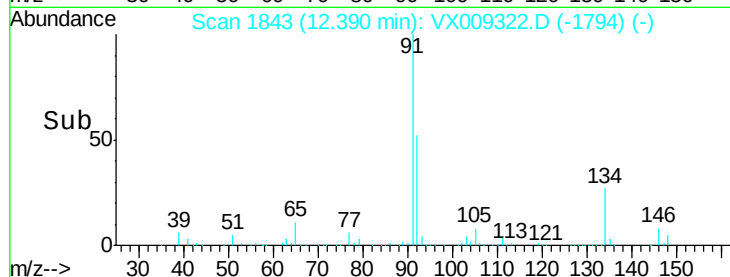
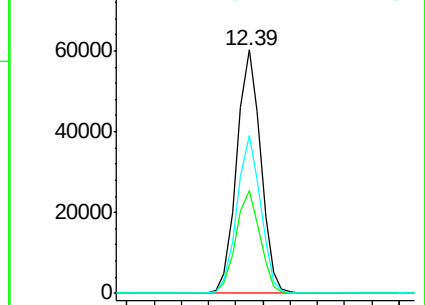
148 63.8 31.9 95.9



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: 20.952 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VX009322.D

Acq: 03 May 2019 20:10

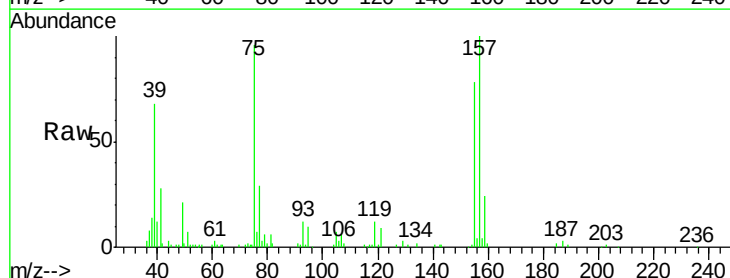
Tgt Ion: 75 Resp: 15101

Ion Ratio Lower Upper

75 100

155 79.1 42.0 126.0

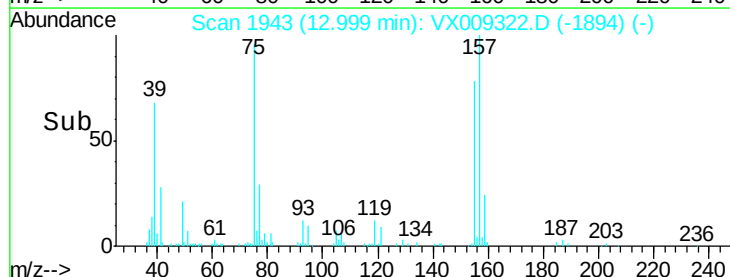
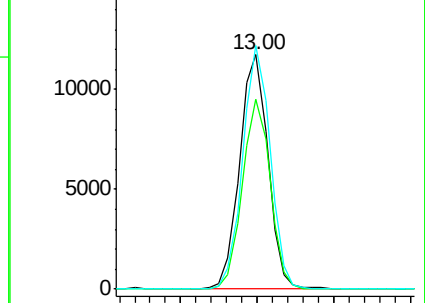
157 100.5 53.2 159.6

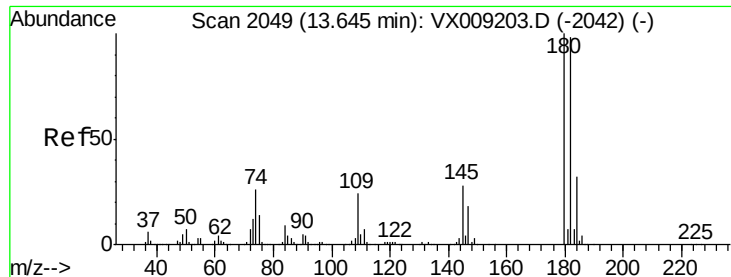


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

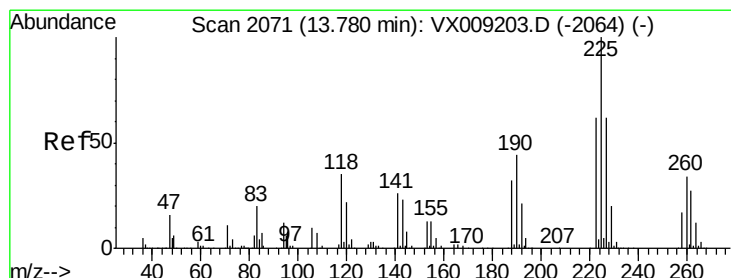
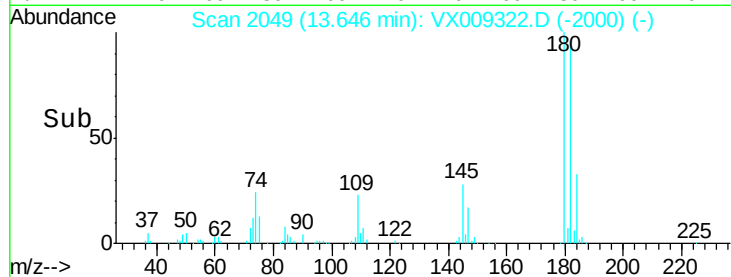
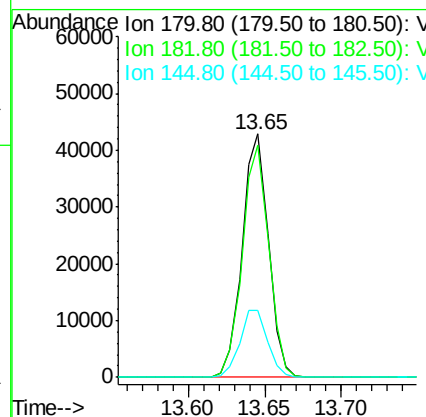
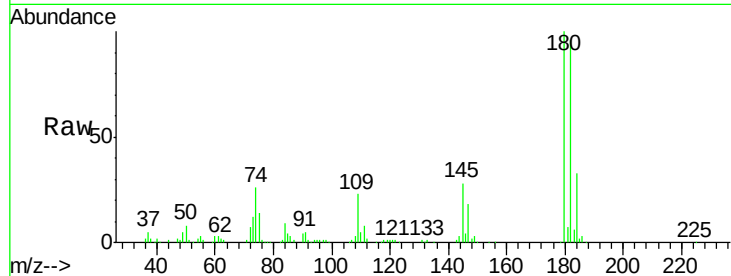




#93
 1,2,4-Trichlorobenzene
 Concen: 19.177 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX009322.D
 Acq: 03 May 2019 20:10

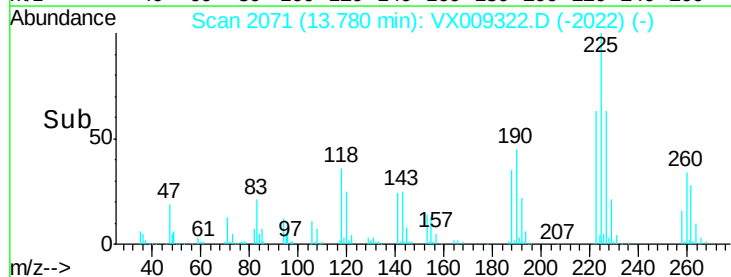
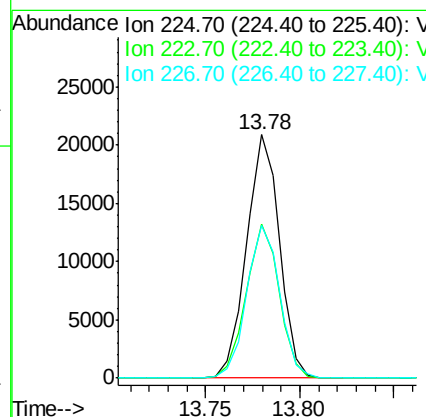
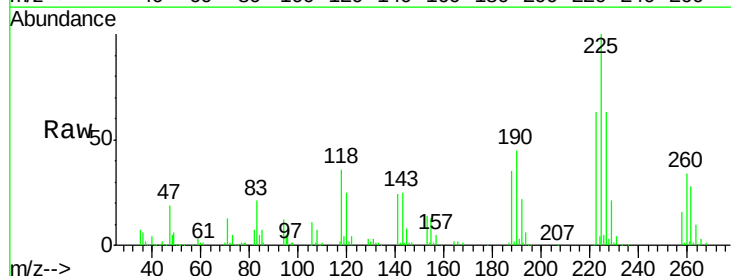
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0503WBSD02

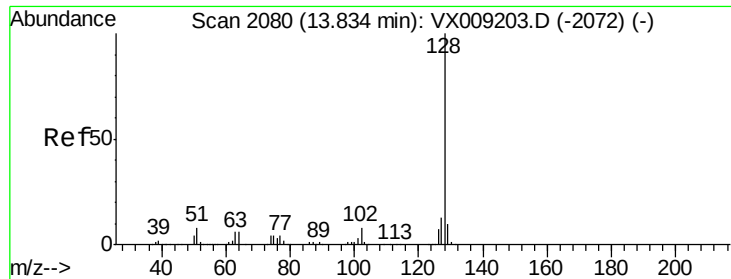
Tot Ion:180 Resp: 50936
 Ion Ratio Lower Upper
 180 100
 182 96.6 48.4 145.2
 145 29.2 14.6 43.8



#94
 Hexachlorobutadiene
 Concen: 18.654 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX009322.D
 Acq: 03 May 2019 20:10

Tgt Ion:225 Resp: 25302
 Ion Ratio Lower Upper
 225 100
 223 63.6 31.3 93.8
 227 62.8 31.8 95.3

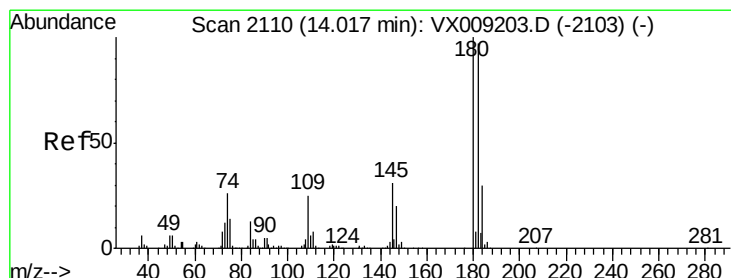
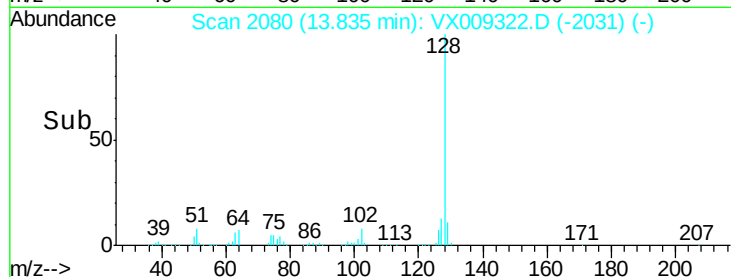
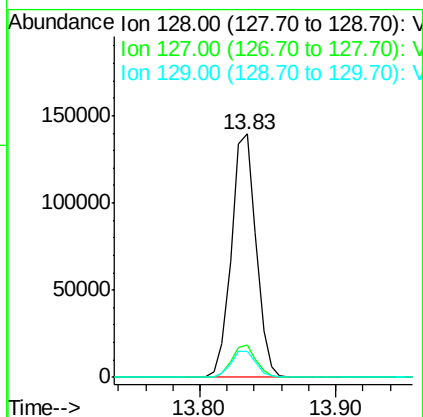
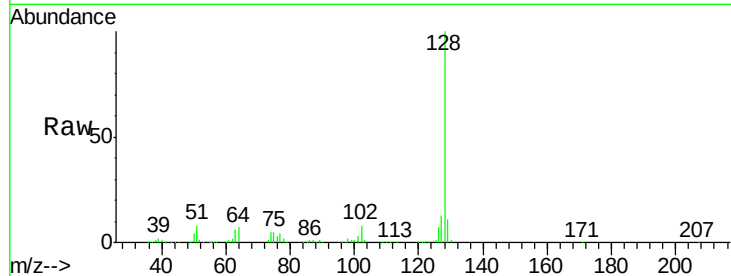




#95
Naphthalene
Concen: 20.370 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX009322.D
Acq: 03 May 2019 20:10

Instrument :
MSVOA_X
ClientSampleId :
VX0503WBSD02

Tot Ion:128 Resp: 176032
Ion Ratio Lower Upper
128 100
127 13.1 10.4 15.6
129 11.0 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 19.455 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX009322.D
Acq: 03 May 2019 20:10

Tgt Ion:180 Resp: 52383
Ion Ratio Lower Upper
180 100
182 99.2 47.8 143.4
145 31.9 15.4 46.4

