

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051019\
 Data File : VX009490.D
 Acq On : 10 May 2019 18:53
 Operator : JC/SP
 Sample : VX0510WBSD02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0510WBSD02

Quant Time: May 11 03:30:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	159595	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	254123	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	229922	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	111155	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	111810	51.32	ug/l	0.00
Spiked Amount			Recovery	=	102.64%	
35) Dibromofluoromethane	5.50	113	83251	52.11	ug/l	0.00
Spiked Amount			Recovery	=	104.22%	
50) Toluene-d8	8.71	98	333681	51.74	ug/l	0.00
Spiked Amount			Recovery	=	103.48%	
62) 4-Bromofluorobenzene	11.13	95	120859	51.57	ug/l	0.00
Spiked Amount			Recovery	=	103.14%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	28521	19.393	ug/l	98
3) Chloromethane	1.32	50	44095	21.961	ug/l	98
4) Vinyl Chloride	1.41	62	41822	21.360	ug/l	100
5) Bromomethane	1.64	94	25611	21.793	ug/l	95
6) Chloroethane	1.72	64	28823	22.929	ug/l	100
7) Trichlorofluoromethane	1.93	101	51760	21.748	ug/l	96
8) Diethyl Ether	2.19	74	24074	21.355	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	31416	21.020	ug/l	99
10) Methyl Iodide	2.51	142	34457	22.614	ug/l	100
11) Tert butyl alcohol	3.05	59	57040	113.106	ug/l	99
12) 1,1-Dichloroethene	2.37	96	32351	21.604	ug/l	97
13) Acrolein	2.29	56	43120	94.413	ug/l	99
14) Allyl chloride	2.73	41	75997	20.825	ug/l	99
15) Acrylonitrile	3.14	53	133163	107.993	ug/l	99
16) Acetone	2.45	43	125536	107.309	ug/l	99
17) Carbon Disulfide	2.57	76	92492	22.000	ug/l	99
18) Methyl Acetate	2.78	43	57254	20.579	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	125345	21.555	ug/l	100
20) Methylene Chloride	2.85	84	39624	20.919	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	34560	21.281	ug/l	99
22) Diisopropyl ether	3.85	45	149644	21.323	ug/l	93
23) Vinyl Acetate	3.81	43	672418	111.890	ug/l	99
24) 1,1-Dichloroethane	3.70	63	73231	21.152	ug/l	100
25) 2-Butanone	4.67	43	200192	110.121	ug/l	100
26) 2,2-Dichloropropane	4.58	77	51963	20.164	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	41365	21.339	ug/l	99
28) Bromochloromethane	5.01	49	26134	16.940	ug/l	100
29) Tetrahydrofuran	5.13	42	133074	113.756	ug/l	99
30) Chloroform	5.21	83	67966	21.706	ug/l	99
31) Cyclohexane	5.58	56	70445	21.870	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	55433	21.266	ug/l	99
36) 1,1-Dichloropropene	5.80	75	50994	21.593	ug/l	100
37) Ethyl Acetate	4.84	43	73624	22.375	ug/l	99
38) Carbon Tetrachloride	5.78	117	45844	21.366	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051019\
 Data File : VX009490.D
 Acq On : 10 May 2019 18:53
 Operator : JC/SP
 Sample : VX0510WBSD02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0510WBSD02

Quant Time: May 11 03:30:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	63028	21.732	ug/l	98
40) Benzene	6.14	78	159296	21.795	ug/l	97
41) Methacrylonitrile	5.04	41	41326	21.099	ug/l	98
42) 1,2-Dichloroethane	6.19	62	57699	22.008	ug/l	100
43) Isopropyl Acetate	6.45	43	115049	21.859	ug/l	99
44) Trichloroethene	7.21	130	37235	21.074	ug/l	99
45) 1,2-Dichloropropane	7.51	63	44692	21.595	ug/l	99
46) Dibromomethane	7.66	93	25604	21.305	ug/l	98
47) Bromodichloromethane	7.90	83	51283	21.392	ug/l	98
48) Methyl methacrylate	7.77	41	59109	22.637	ug/l	98
49) 1,4-Dioxane	7.74	88	23856	450.499	ug/l	97
51) 4-Methyl-2-Pentanone	8.64	43	387775	112.721	ug/l	99
52) Toluene	8.79	92	98513	22.174	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	57839	21.370	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	64513	21.535	ug/l	96
55) 1,1,2-Trichloroethane	9.21	97	39659	21.880	ug/l	96
56) Ethyl methacrylate	9.18	69	70636	21.832	ug/l	98
57) 1,3-Dichloropropane	9.37	76	69539	21.802	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	168457	98.145	ug/l	100
59) 2-Hexanone	9.49	43	305253	112.980	ug/l	99
60) Dibromochloromethane	9.58	129	37747	21.323	ug/l	98
61) 1,2-Dibromoethane	9.67	107	40852	22.328	ug/l	98
64) Tetrachloroethene	9.34	164	34650	21.970	ug/l	97
65) Chlorobenzene	10.13	112	101365	22.038	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	36460	21.865	ug/l	99
67) Ethyl Benzene	10.25	91	186093	21.984	ug/l	100
68) m/p-Xylenes	10.36	106	135423	43.779	ug/l	98
69) o-Xylene	10.70	106	66890	21.917	ug/l	100
70) Styrene	10.71	104	115397	21.754	ug/l	99
71) Bromoform	10.85	173	28877	21.310	ug/l #	99
73) Isopropylbenzene	11.02	105	177479	21.957	ug/l	99
74) N-amyl acetate	10.90	43	103770	22.020	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	66138	21.949	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	75492	29.279	ug/l	82
77) Bromobenzene	11.26	156	44058	21.960	ug/l	99
78) n-propylbenzene	11.36	91	199671	21.630	ug/l	98
79) 2-Chlorotoluene	11.42	91	122582	21.524	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	150184	22.066	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	20496	20.339	ug/l	95
82) 4-Chlorotoluene	11.51	91	137512	21.373	ug/l	100
83) tert-Butylbenzene	11.77	119	143817	21.722	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	151449	22.169	ug/l	100
85) sec-Butylbenzene	11.94	105	169995	21.657	ug/l	100
86) p-Isopropyltoluene	12.06	119	153669	21.777	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	77589	21.694	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	76847	21.312	ug/l	99
89) n-Butylbenzene	12.38	91	137136	21.501	ug/l	100
90) Hexachloroethane	12.60	117	25902	21.545	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	78765	21.622	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	15300	22.635	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051019\
Data File : VX009490.D
Acq On : 10 May 2019 18:53
Operator : JC/SP
Sample : VX0510WBSD02
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0510WBSD02

Quant Time: May 11 03:30:37 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260
QLast Update : Thu May 09 07:31:15 2019
Response via : Initial Calibration

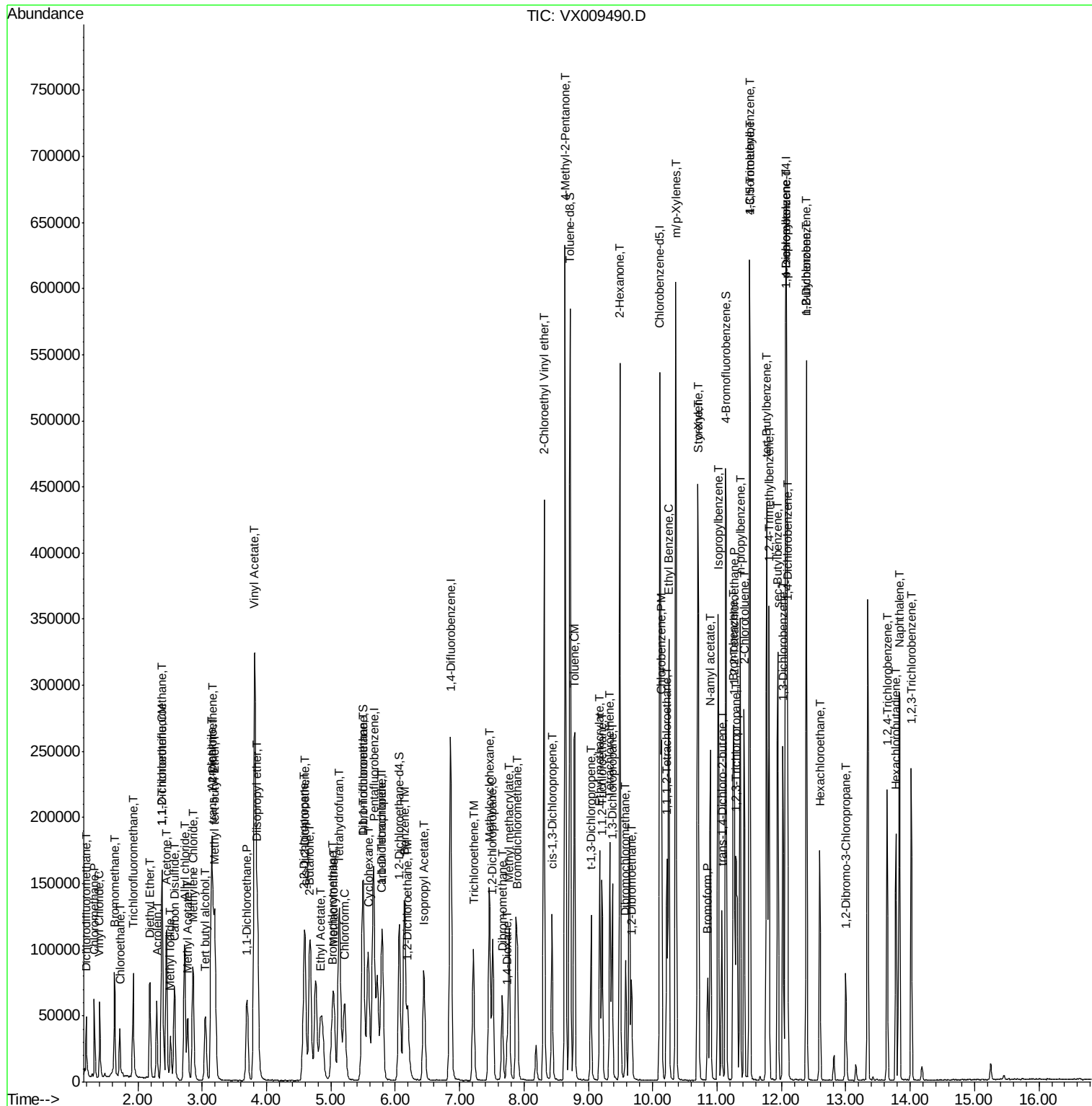
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	54319	21.805	ug/l	99
94) Hexachlorobutadiene	13.78	225	27744	21.810	ug/l	99
95) Naphthalene	13.83	128	180446	22.265	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	56685	22.448	ug/l	99

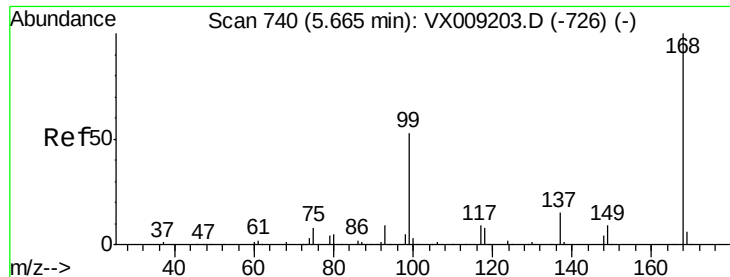
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX051019\
Data File : VX009490.D
Acq On : 10 May 2019 18:53
Operator : JC/SP
Sample : VX0510WBSD02
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_X
Client Sample Id :
VX0510WBSD02

Quant Time: May 11 03:30:37 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260
QLast Update : Thu May 09 07:31:15 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX009490.D

Acq: 10 May 2019 18:53

Instrument :

MSVOA_X

ClientSampleId :

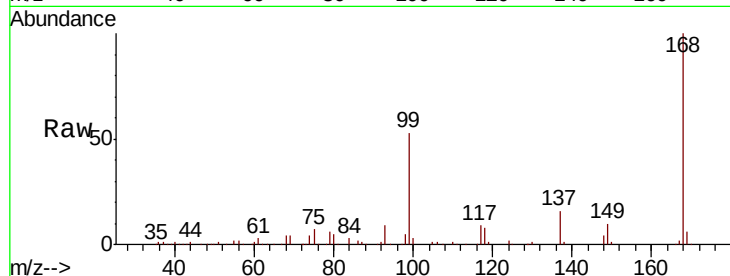
VX0510WBSD02

Tot Ion:168 Resp: 159595

Ion Ratio Lower Upper

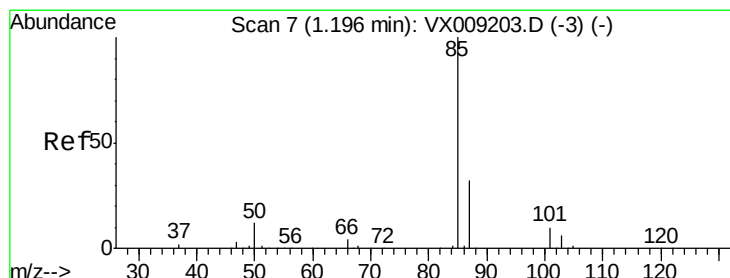
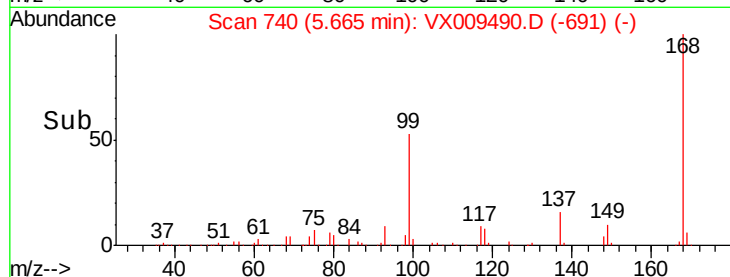
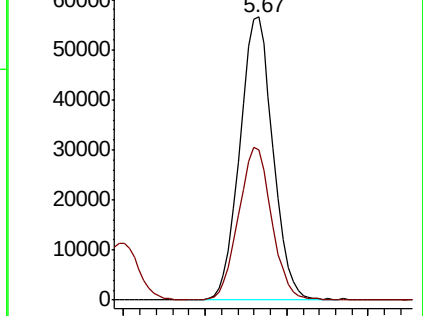
168 100

99 53.0 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: 19.393 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX009490.D

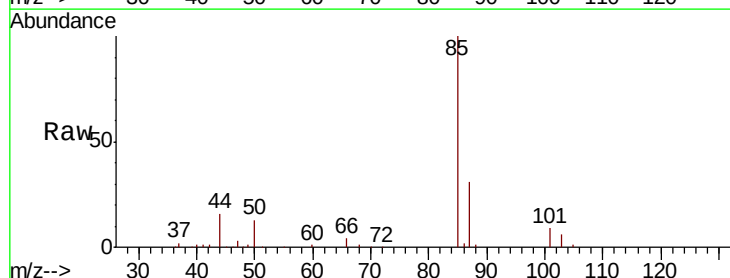
Acq: 10 May 2019 18:53

Tgt Ion: 85 Resp: 28521

Ion Ratio Lower Upper

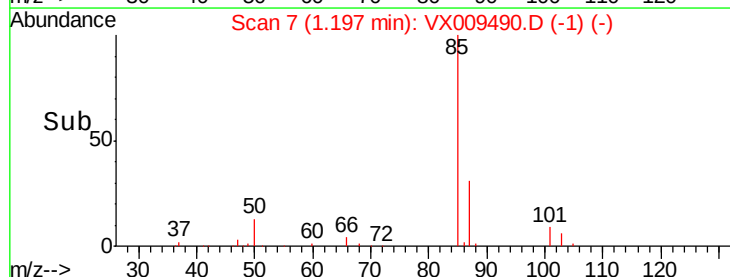
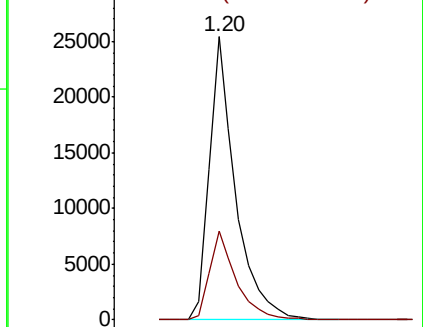
85 100

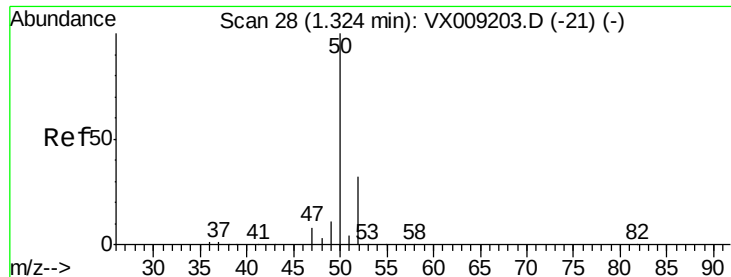
87 31.3 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 21.961 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX009490.D

Acq: 10 May 2019 18:53

Instrument :

MSVOA_X

ClientSampleId :

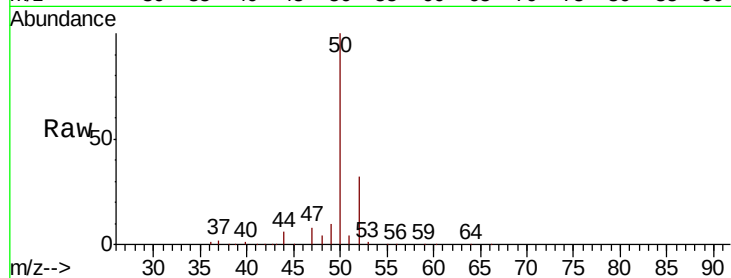
VX0510WBSD02

Tot Ion: 50 Resp: 44095

Ion Ratio Lower Upper

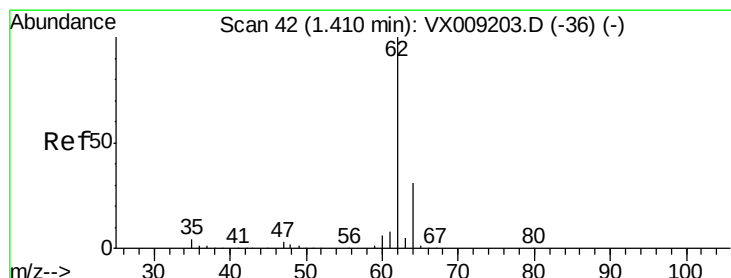
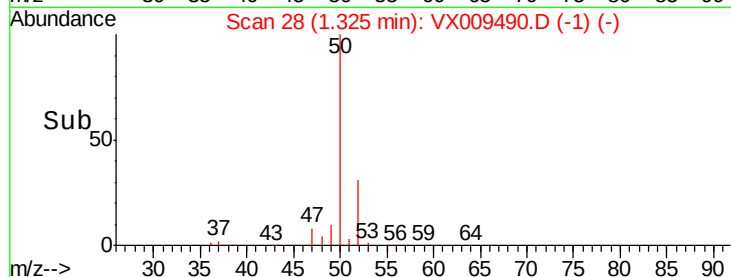
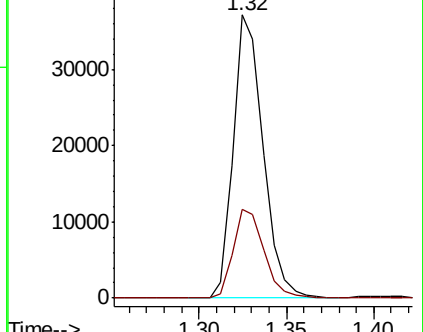
50 100

52 31.5 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 21.360 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX009490.D

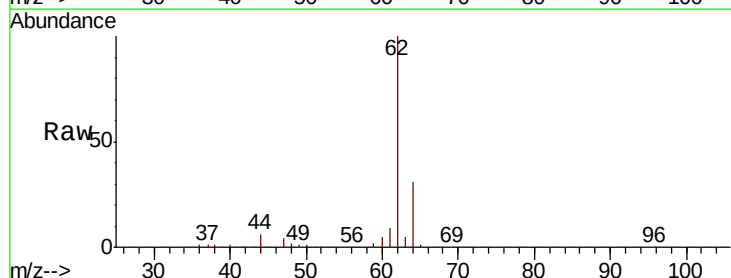
Acq: 10 May 2019 18:53

Tgt Ion: 62 Resp: 41822

Ion Ratio Lower Upper

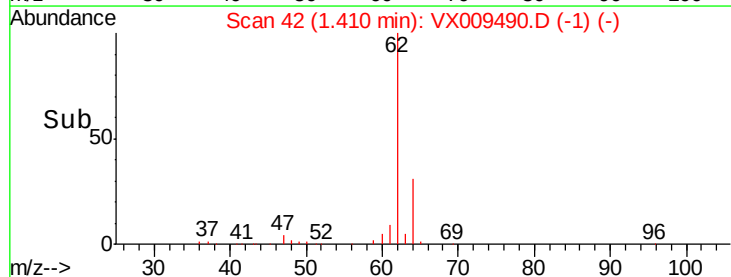
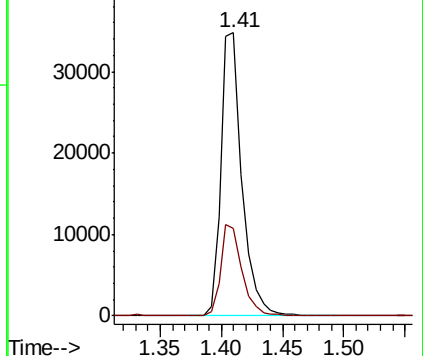
62 100

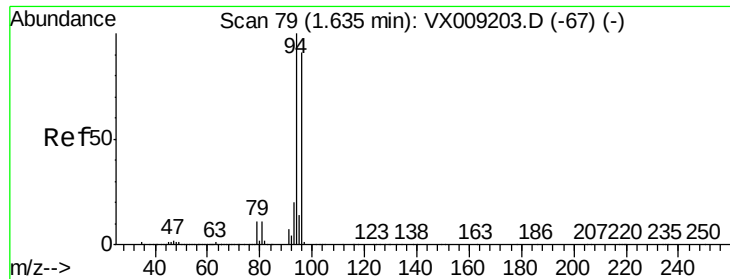
64 30.6 24.6 36.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 21.793 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX009490.D

Acq: 10 May 2019 18:53

Instrument :

MSVOA_X

ClientSampleId :

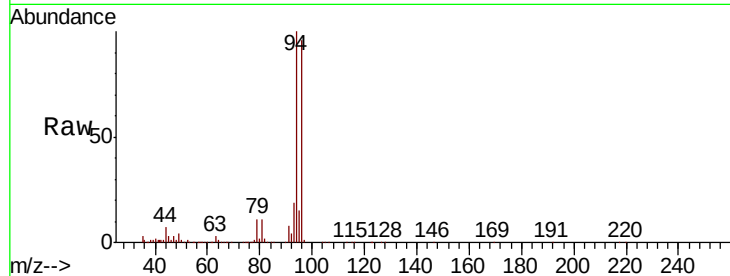
VX0510WBSD02

Tot Ion: 94 Resp: 25611

Ion Ratio Lower Upper

94 100

96 95.7 73.0 109.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

25000

20000

15000

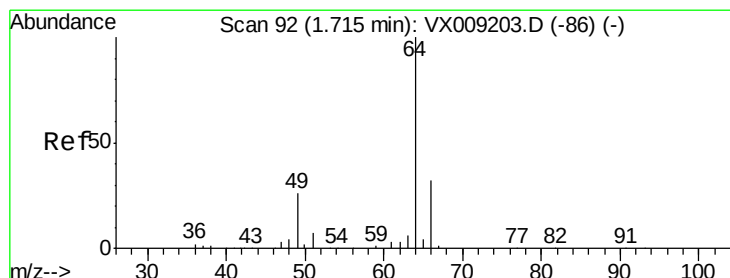
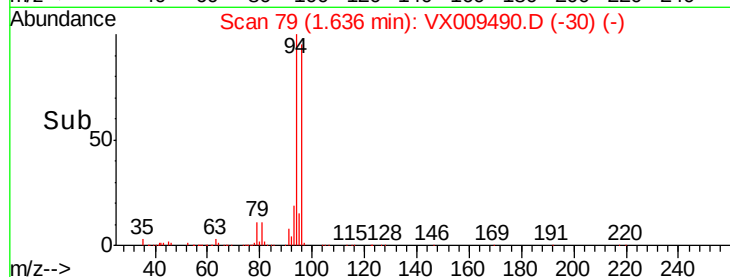
10000

5000

0

Time-->

1.60 1.65 1.70



#6

Chloroethane

Concen: 22.929 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX009490.D

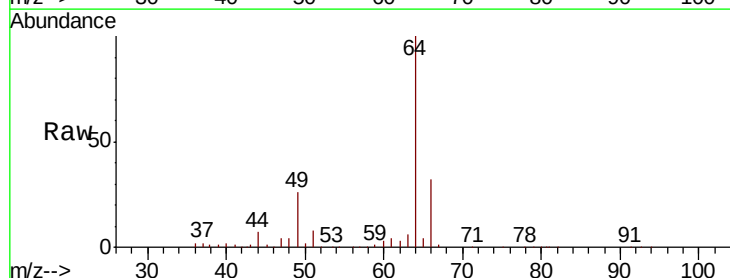
Acq: 10 May 2019 18:53

Tgt Ion: 64 Resp: 28823

Ion Ratio Lower Upper

64 100

66 31.7 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.72

20000

15000

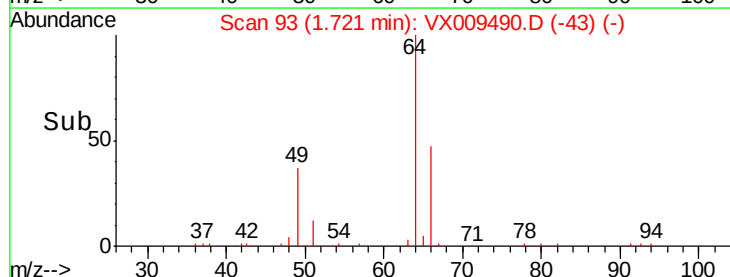
10000

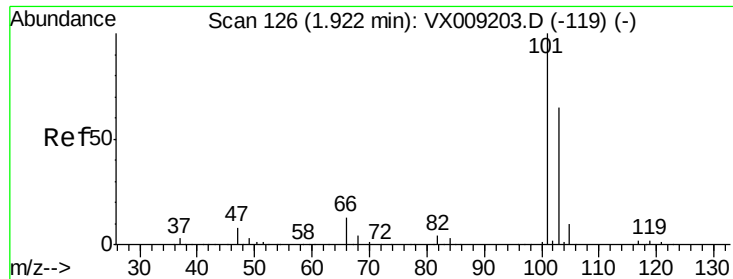
5000

0

Time-->

1.65 1.70 1.75 1.80



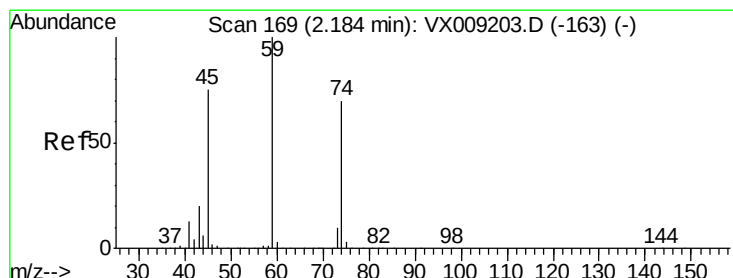
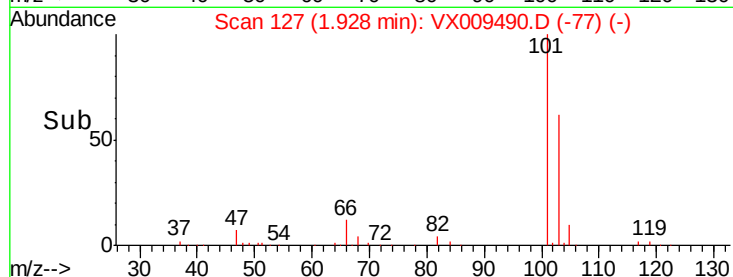
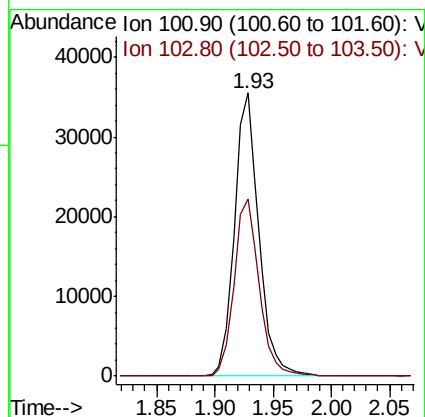
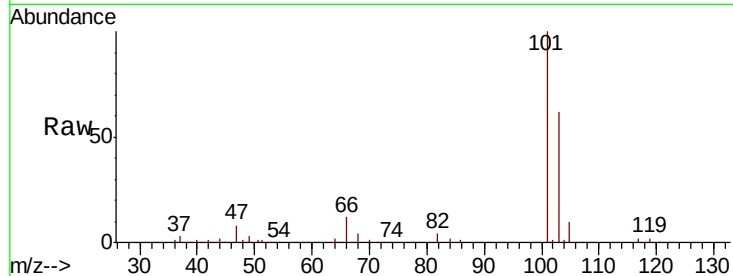


#7

Trichlorofluoromethane
 Concen: 21.748 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. 0.01 min
 Lab File: VX009490.D
 Acq: 10 May 2019 18:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0510WBSD02

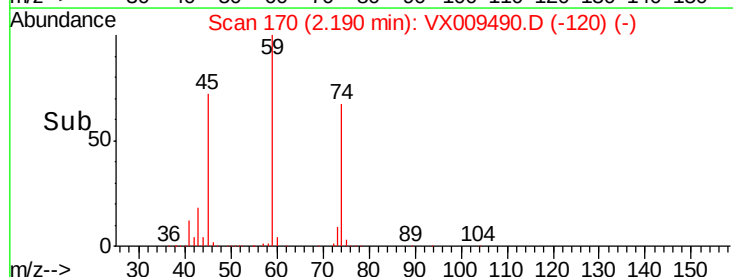
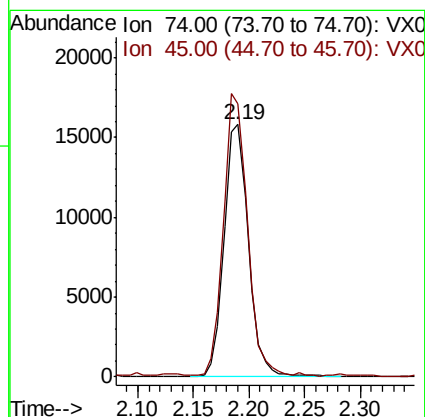
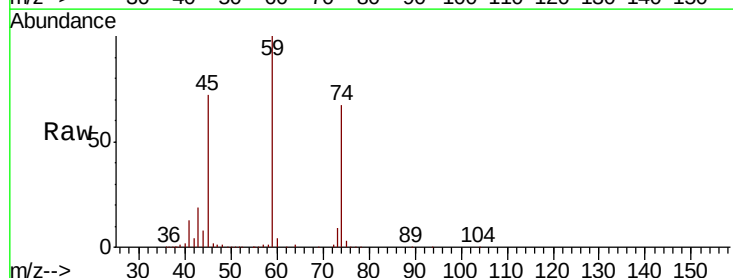
Tot Ion:101 Resp: 51760
 Ion Ratio Lower Upper
 101 100
 103 62.4 52.4 78.6

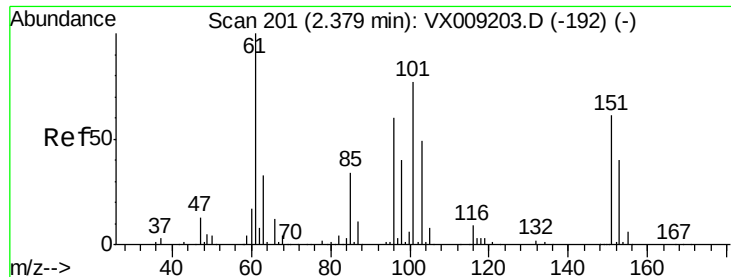


#8

Diethyl Ether
 Concen: 21.355 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. 0.01 min
 Lab File: VX009490.D
 Acq: 10 May 2019 18:53

Tgt Ion: 74 Resp: 24074
 Ion Ratio Lower Upper
 74 100
 45 108.3 53.3 159.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.020 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX009490.D

Acq: 10 May 2019 18:53

Instrument :

MSVOA_X

ClientSampleId :

VX0510WBSD02

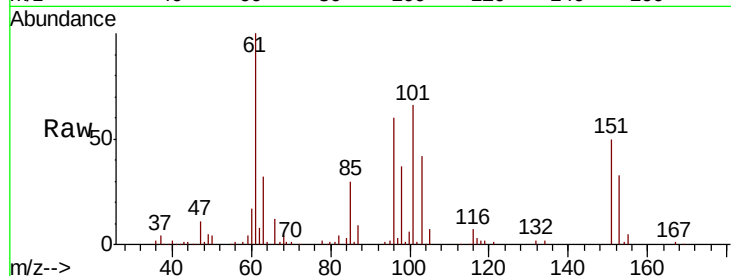
Tot Ion:101 Resp: 31416

Ion Ratio Lower Upper

101 100

85 44.9 35.7 53.5

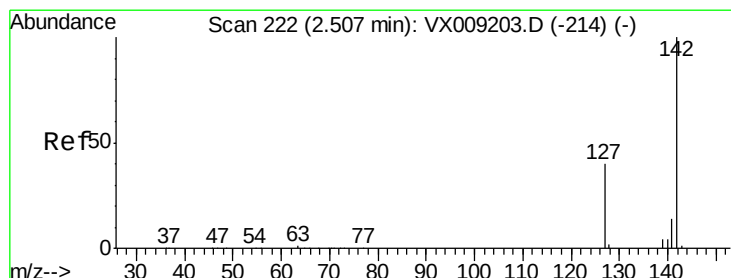
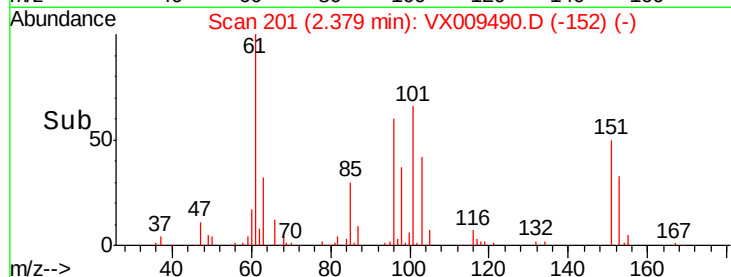
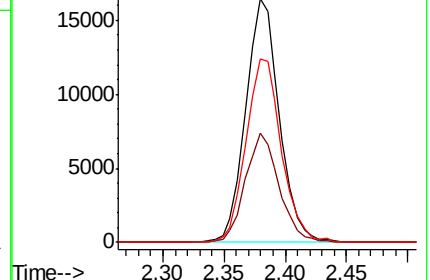
151 79.4 62.2 93.2



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: 22.614 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX009490.D

Acq: 10 May 2019 18:53

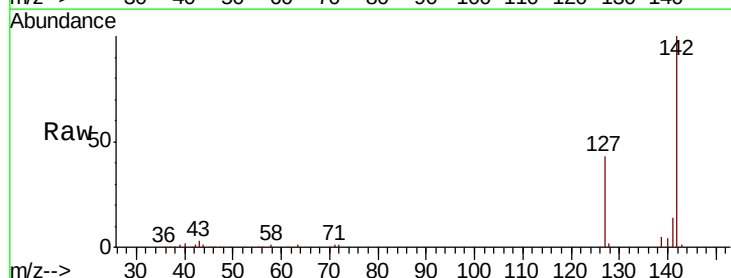
Tgt Ion:142 Resp: 34457

Ion Ratio Lower Upper

142 100

127 41.3 32.7 49.1

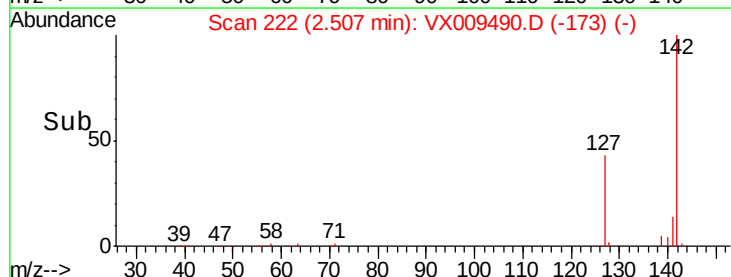
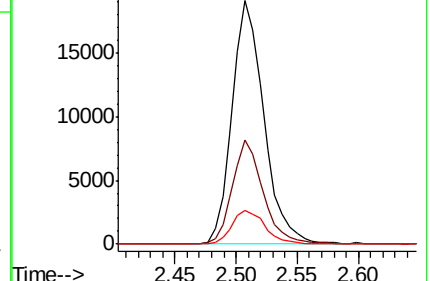
141 14.4 11.5 17.3

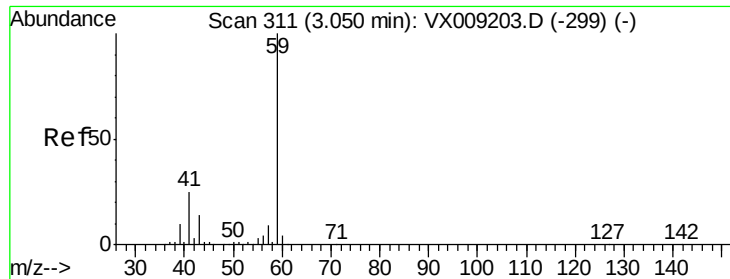


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

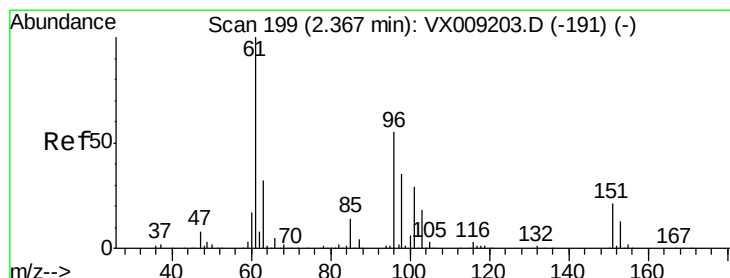
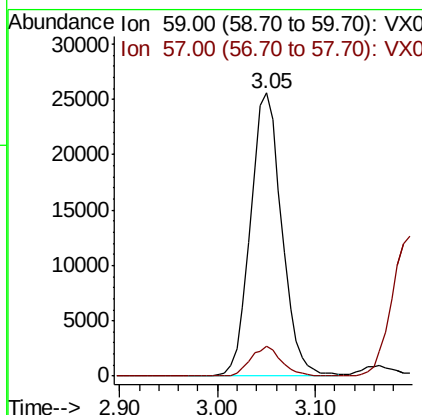
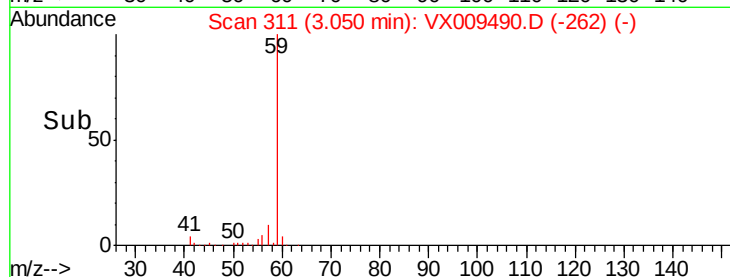
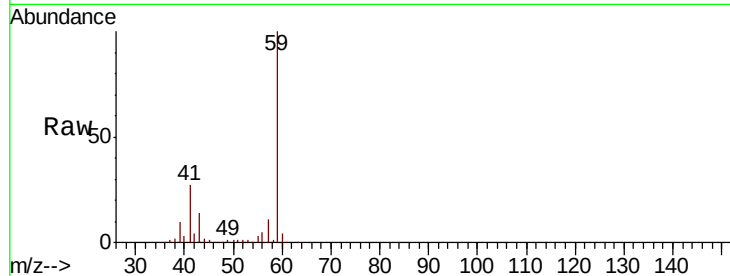




#11
Tert butyl alcohol
Concen: 113.106 ug/l
RT: 3.05 min Scan# 311
Delta R.T. 0.00 min
Lab File: VX009490.D
Acq: 10 May 2019 18:53

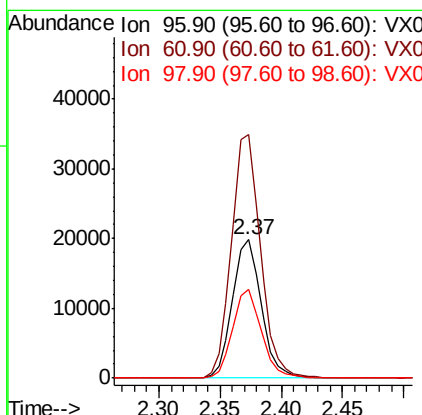
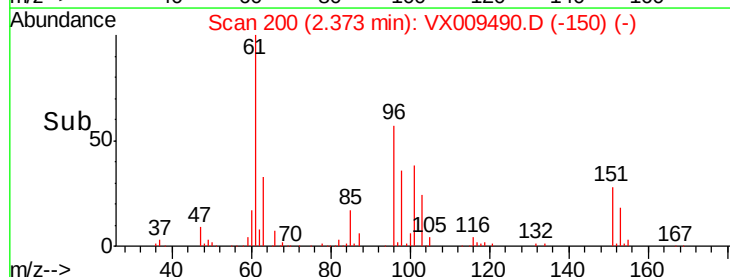
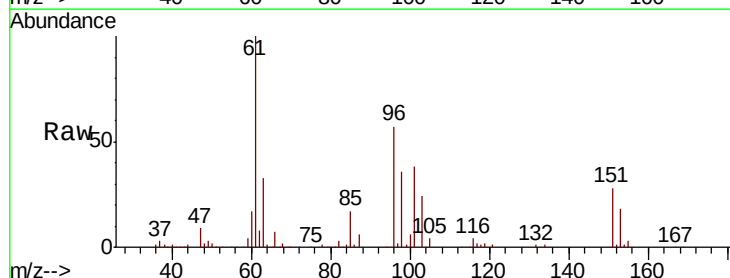
Instrument :
MSVOA_X
ClientSampleId :
VX0510WBSD02

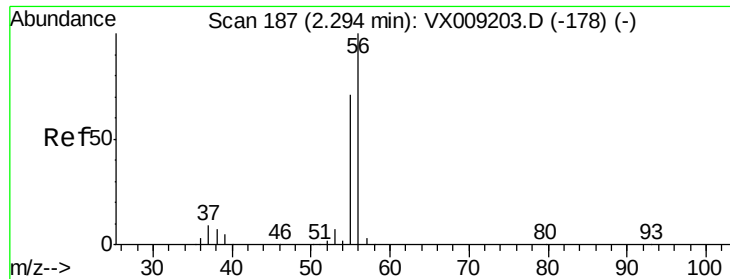
Tot Ion: 59 Resp: 57040
Ion Ratio Lower Upper
59 100
57 10.6 8.2 12.2



#12
1,1-Dichloroethene
Concen: 21.604 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.01 min
Lab File: VX009490.D
Acq: 10 May 2019 18:53

Tgt Ion: 96 Resp: 32351
Ion Ratio Lower Upper
96 100
61 175.9 144.3 216.5
98 63.9 50.3 75.5





#13

Acrolein

Concen: 94.413 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX009490.D

Acq: 10 May 2019 18:53

Instrument :

MSVOA_X

ClientSampleId :

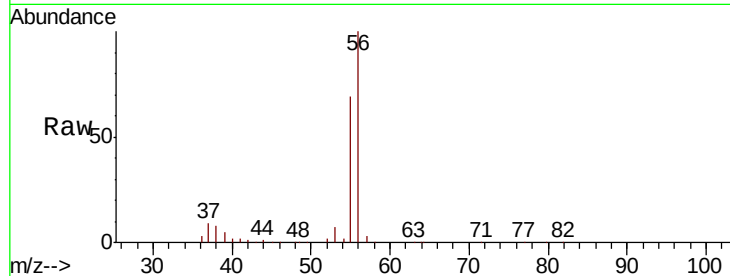
VX0510WBSD02

Tot Ion: 56 Resp: 43120

Ion Ratio Lower Upper

56 100

55 69.7 56.6 85.0



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.29

30000

25000

20000

15000

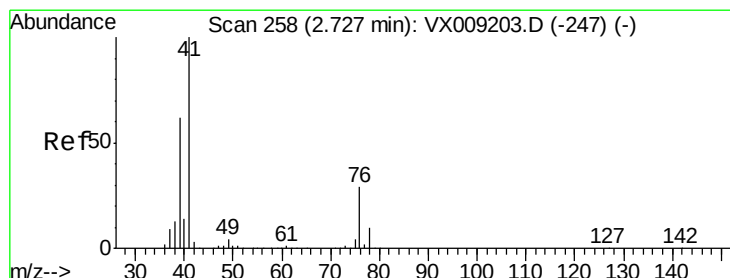
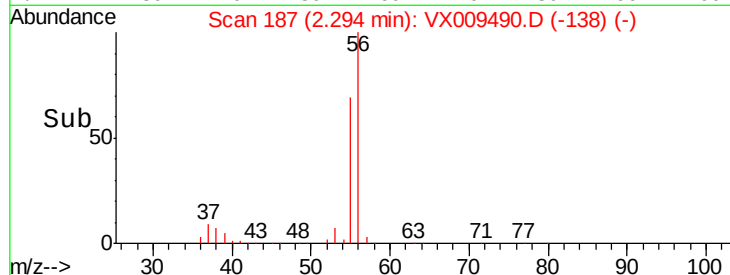
10000

5000

0

Time-->

2.20 2.25 2.30 2.35 2.40



#14

Allyl chloride

Concen: 20.825 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX009490.D

Acq: 10 May 2019 18:53

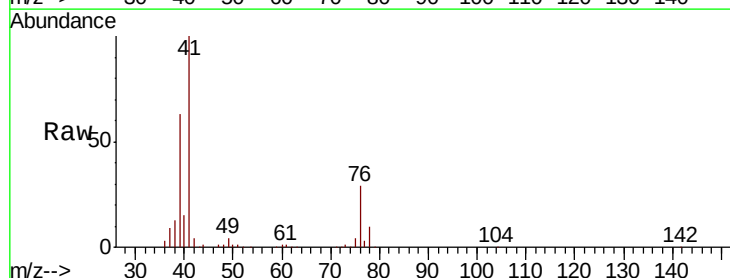
Tgt Ion: 41 Resp: 75997

Ion Ratio Lower Upper

41 100

39 59.5 46.7 70.1

76 27.3 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

50000

40000

30000

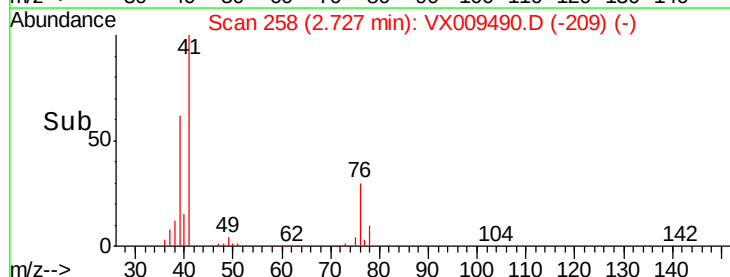
20000

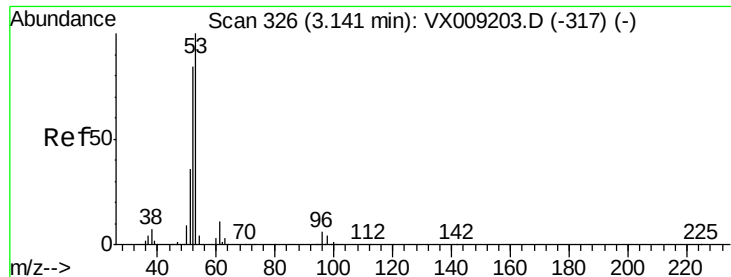
10000

0

Time-->

2.60 2.70 2.80





#15

Acrylonitrile

Concen: 107.993 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX009490.D

Acq: 10 May 2019 18:53

Instrument :

MSVOA_X

ClientSampleId :

VX0510WBSD02

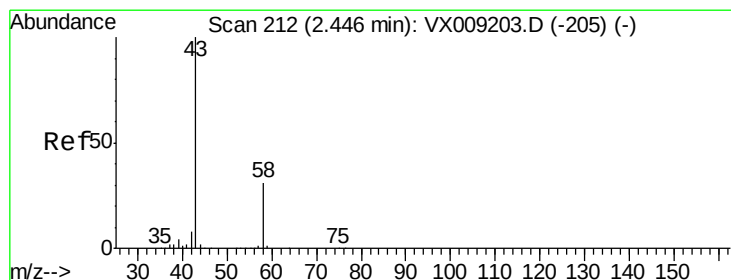
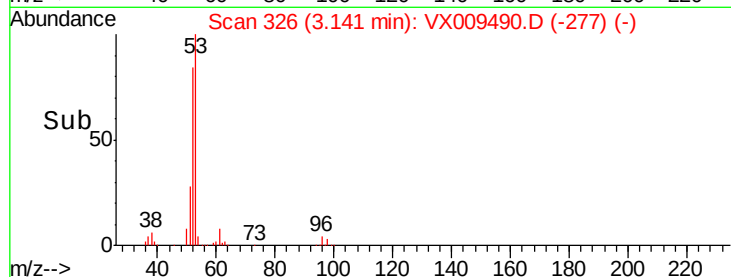
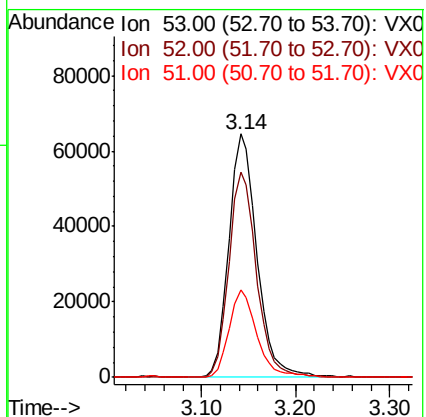
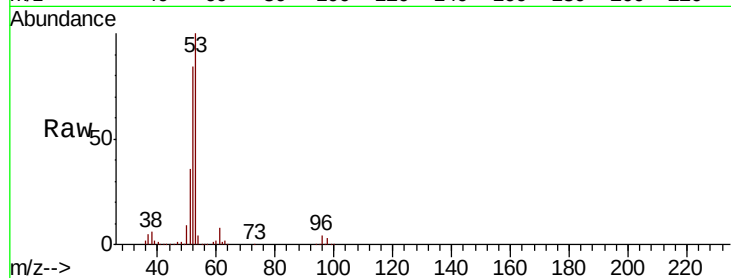
Tot Ion: 53 Resp: 133163

Ion Ratio Lower Upper

53 100

52 83.7 66.9 100.3

51 36.1 28.2 42.2



#16

Acetone

Concen: 107.309 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX009490.D

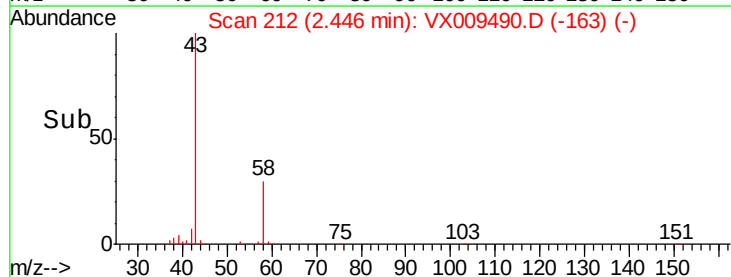
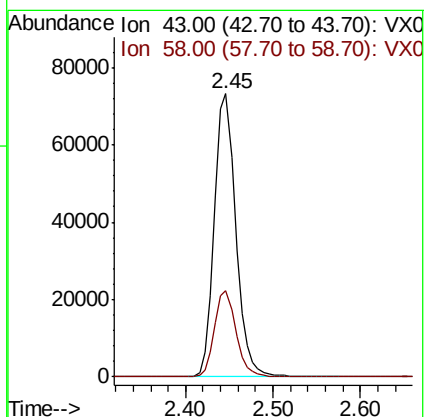
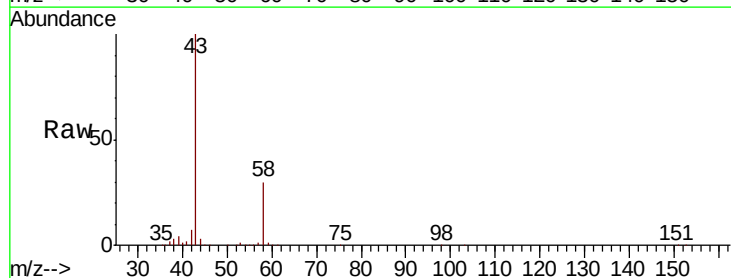
Acq: 10 May 2019 18:53

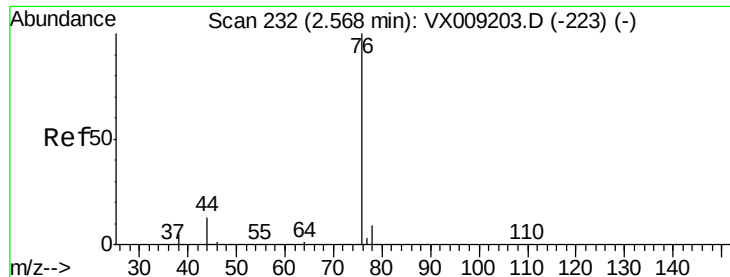
Tgt Ion: 43 Resp: 125536

Ion Ratio Lower Upper

43 100

58 30.4 24.9 37.3





#17

Carbon Disulfide

Concen: 22.000 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX009490.D

Acq: 10 May 2019 18:53

Instrument :

MSVOA_X

ClientSampleId :

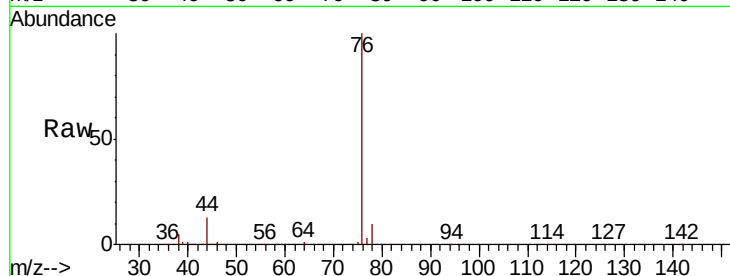
VX0510WBSD02

Tot Ion: 76 Resp: 92492

Ion Ratio Lower Upper

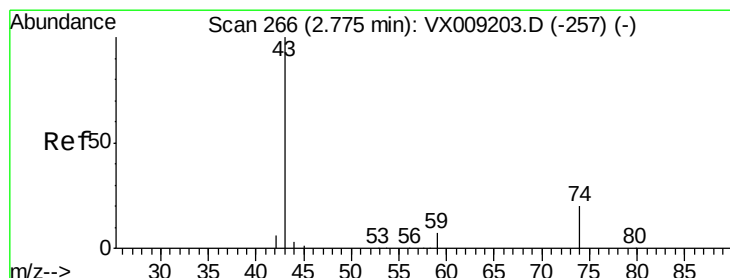
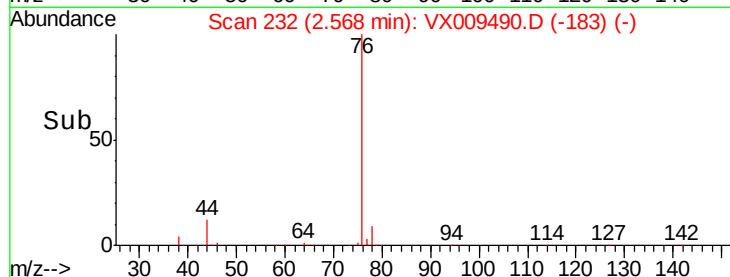
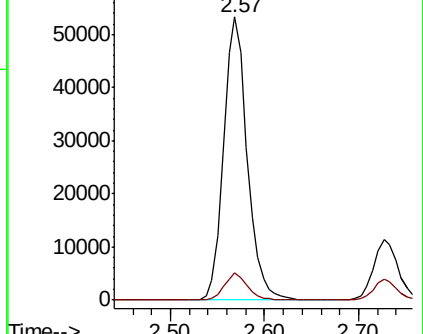
76 100

78 9.6 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: 20.579 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX009490.D

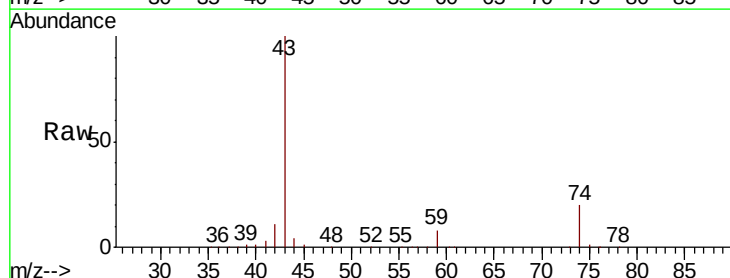
Acq: 10 May 2019 18:53

Tgt Ion: 43 Resp: 57254

Ion Ratio Lower Upper

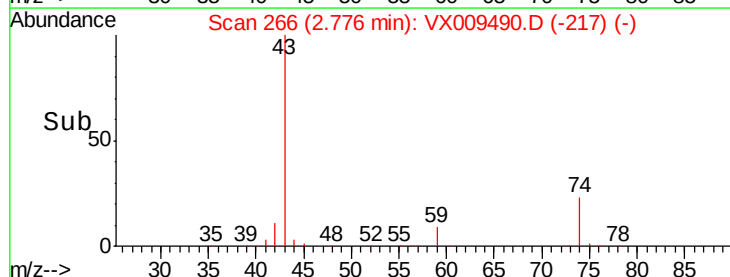
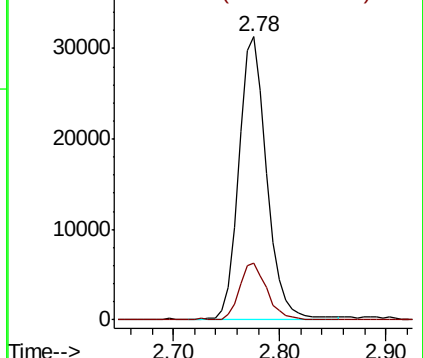
43 100

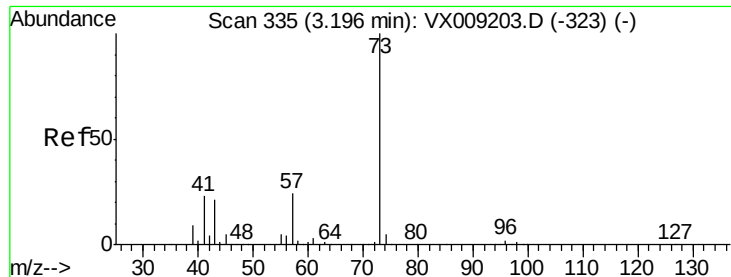
74 19.4 16.2 24.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

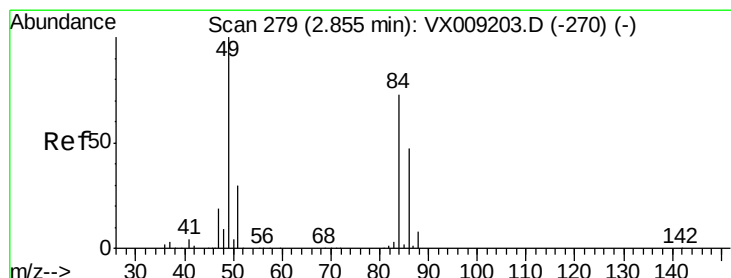
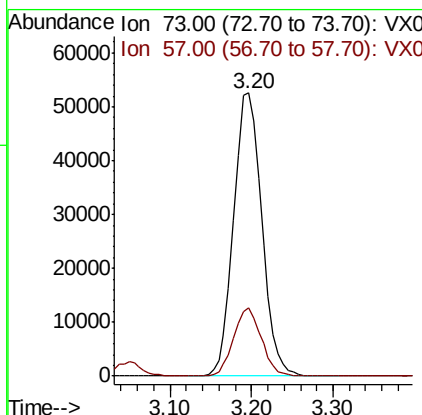
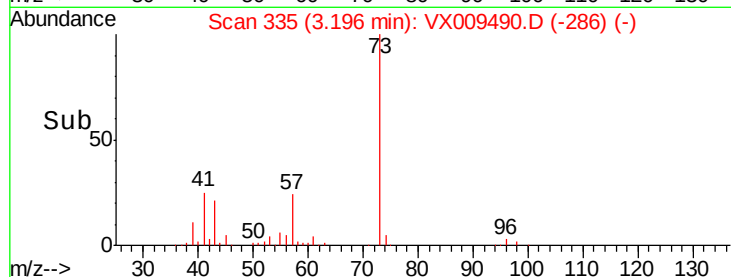
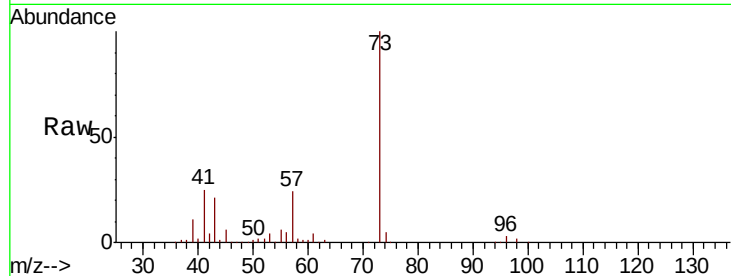




#19
Methyl tert-butyl Ether
Concen: 21.555 ug/l
RT: 3.20 min Scan# 335
Delta R.T. 0.00 min
Lab File: VX009490.D
Acq: 10 May 2019 18:53

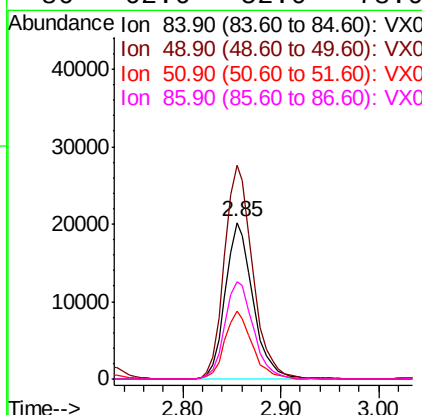
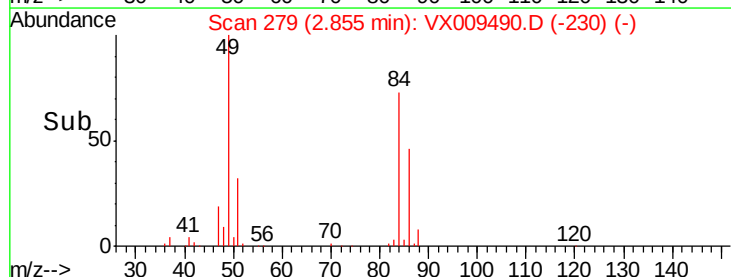
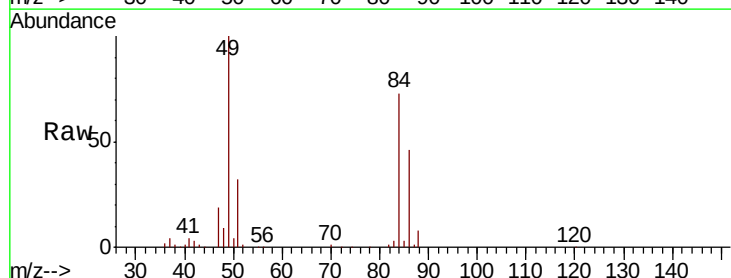
Instrument :
MSVOA_X
ClientSampleId :
VX0510WBSD02

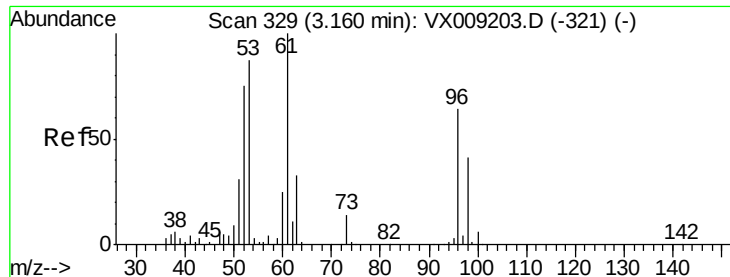
Tot Ion: 73 Resp: 125345
Ion Ratio Lower Upper
73 100
57 24.0 19.3 28.9



#20
Methylene Chloride
Concen: 20.919 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX009490.D
Acq: 10 May 2019 18:53

Tgt Ion: 84 Resp: 39624
Ion Ratio Lower Upper
84 100
49 136.5 109.9 164.9
51 43.2 32.7 49.1
86 62.6 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 21.281 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX009490.D

Acq: 10 May 2019 18:53

Instrument :

MSVOA_X

ClientSampleId :

VX0510WBSD02

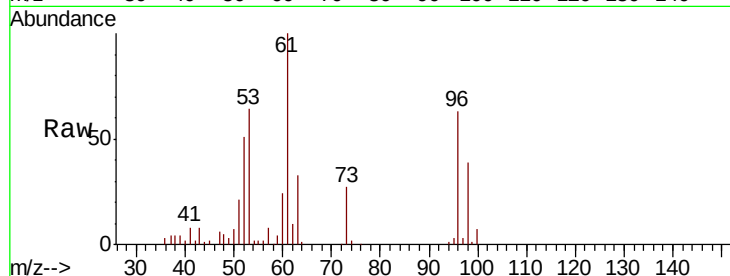
Tot Ion: 96 Resp: 34560

Ion Ratio Lower Upper

96 100

61 157.7 124.5 186.7

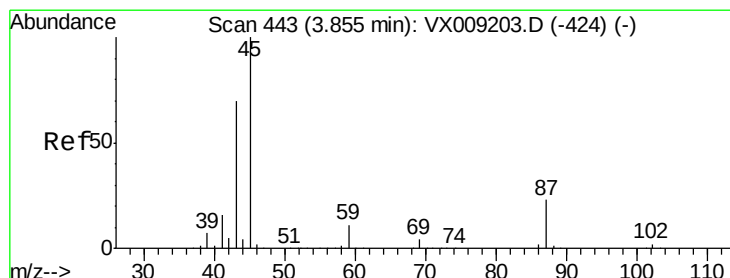
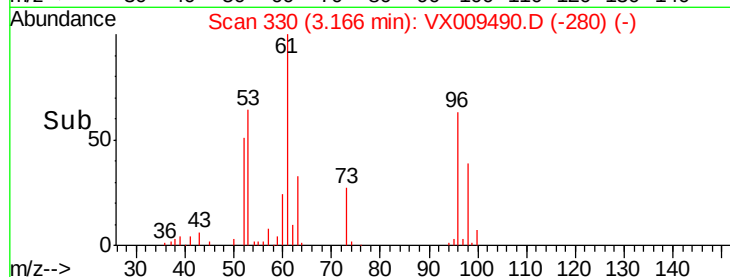
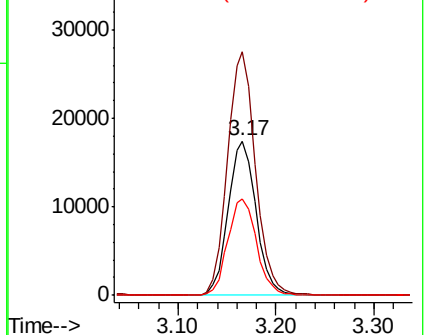
98 62.1 50.4 75.6



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 21.323 ug/l

RT: 3.85 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX009490.D

Acq: 10 May 2019 18:53

Tgt Ion: 45 Resp: 149644

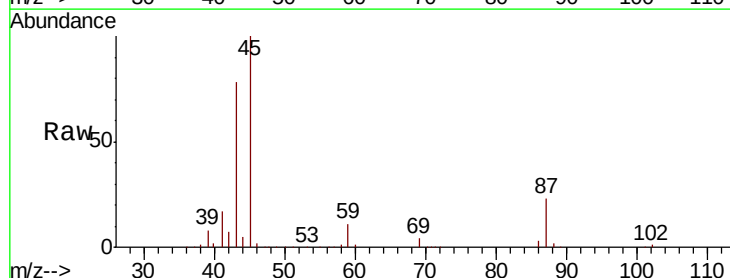
Ion Ratio Lower Upper

45 100

43 78.2 56.1 84.1

87 22.8 18.1 27.1

59 10.7 8.5 12.7

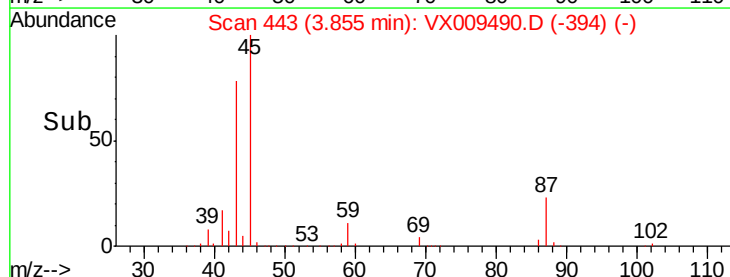
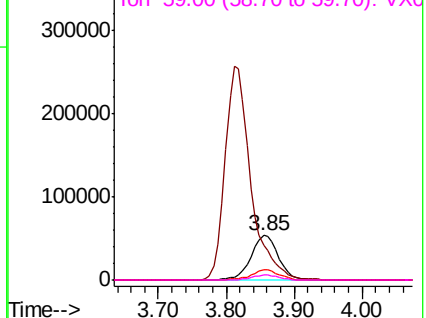


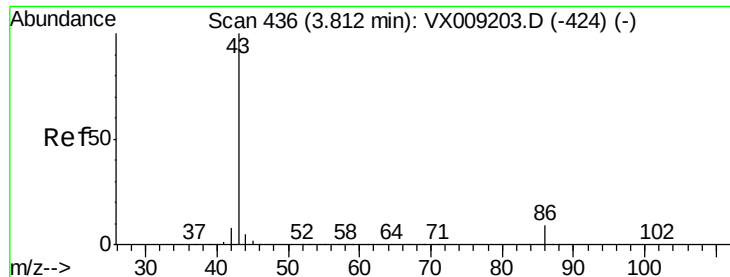
Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 111.890 ug/l

RT: 3.81 min Scan# 436

Delta R.T. 0.00 min

Lab File: VX009490.D

Acq: 10 May 2019 18:53

Instrument :

MSVOA_X

ClientSampleId :

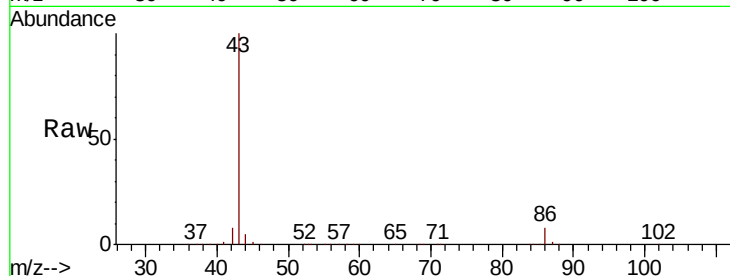
VX0510WBSD02

Tot Ion: 43 Resp: 672418

Ion Ratio Lower Upper

43 100

86 8.3 6.9 10.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

300000

250000

200000

150000

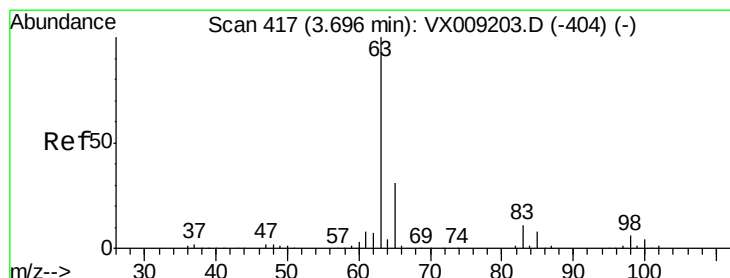
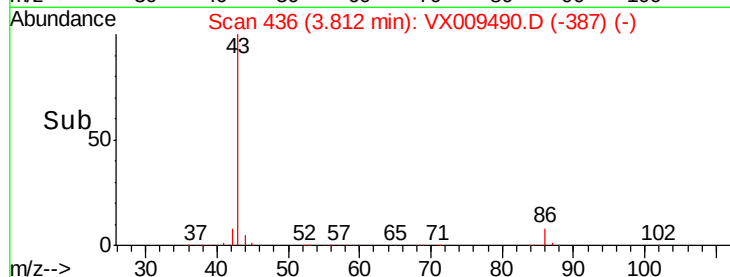
100000

50000

0

3.70 3.80 3.90 4.00 4.10

Time-->



#24

1,1-Dichloroethane

Concen: 21.152 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX009490.D

Acq: 10 May 2019 18:53

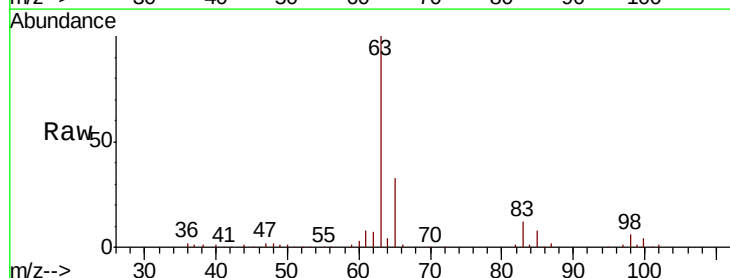
Tgt Ion: 63 Resp: 73231

Ion Ratio Lower Upper

63 100

98 6.1 3.0 9.2

100 3.9 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

40000

30000

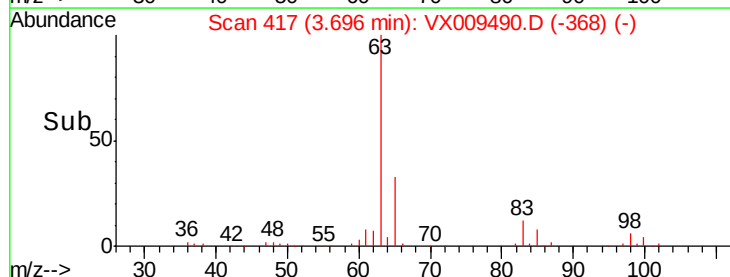
20000

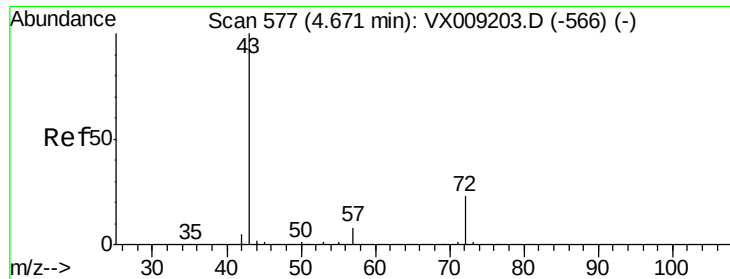
10000

0

3.60 3.70 3.80

Time-->





#25

2-Butanone

Concen: 110.121 ug/l

RT: 4.67 min Scan# 577

Delta R.T. 0.00 min

Lab File: VX009490.D

Acq: 10 May 2019 18:53

Instrument :

MSVOA_X

ClientSampleId :

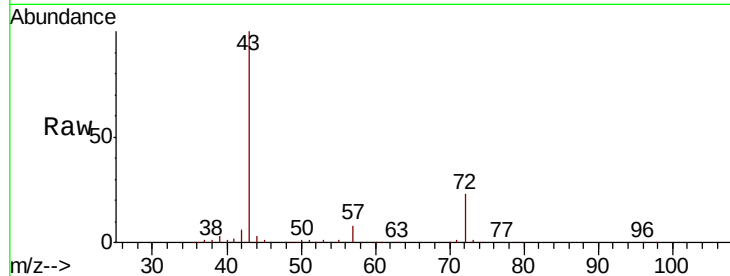
VX0510WBSD02

Tot Ion: 43 Resp: 200192

Ion Ratio Lower Upper

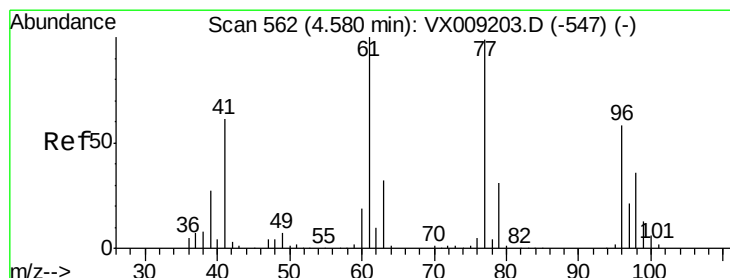
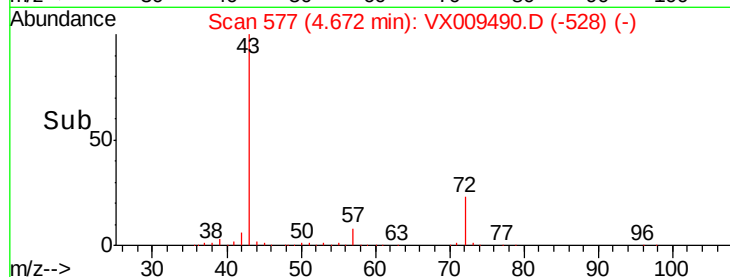
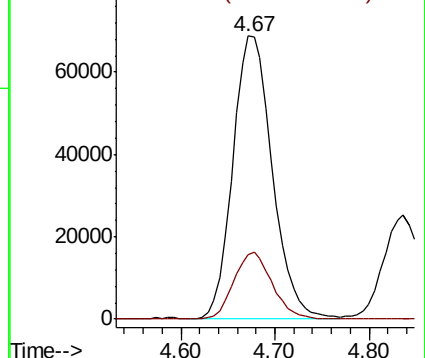
43 100

72 22.5 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: 20.164 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX009490.D

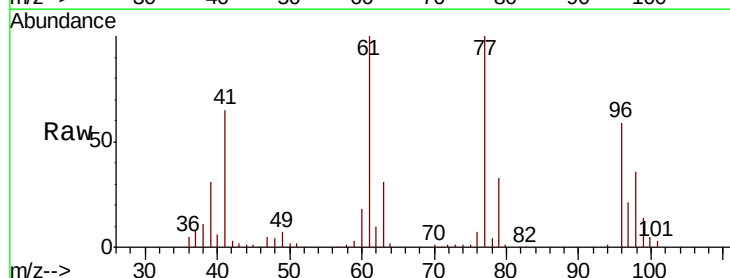
Acq: 10 May 2019 18:53

Tgt Ion: 77 Resp: 51963

Ion Ratio Lower Upper

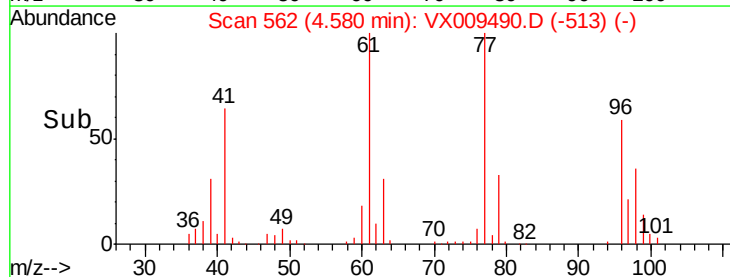
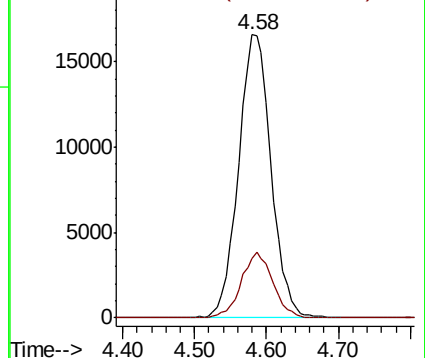
77 100

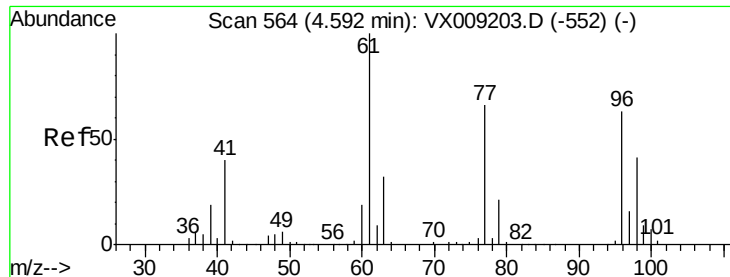
97 22.5 11.5 34.4



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



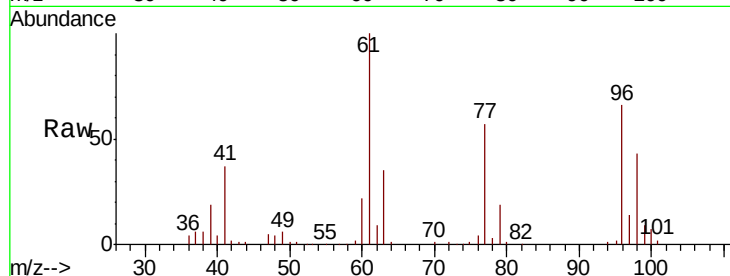


#27

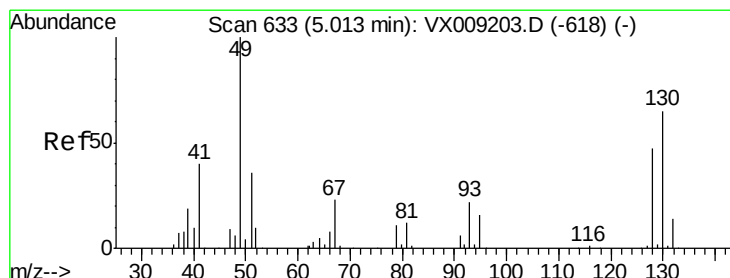
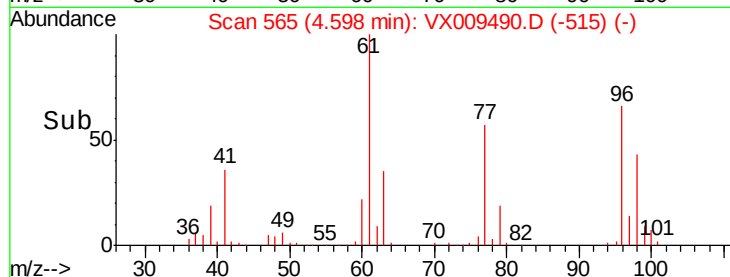
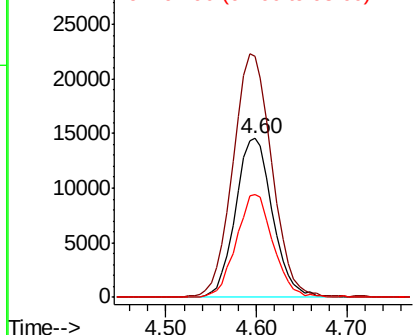
cis-1,2-Dichloroethene
Concen: 21.339 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.01 min
Lab File: VX009490.D
Acq: 10 May 2019 18:53

Instrument :
MSVOA_X
ClientSampleId :
VX0510WBSD02

Tot Ion: 96 Resp: 41365
Ion Ratio Lower Upper
96 100
61 160.7 0.0 324.0
98 64.1 0.0 130.4



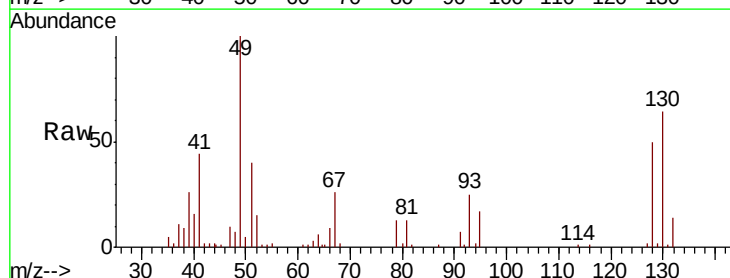
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



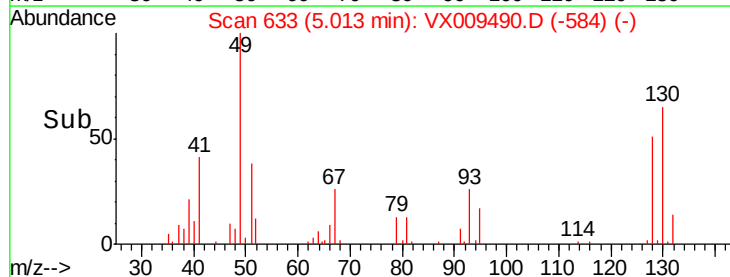
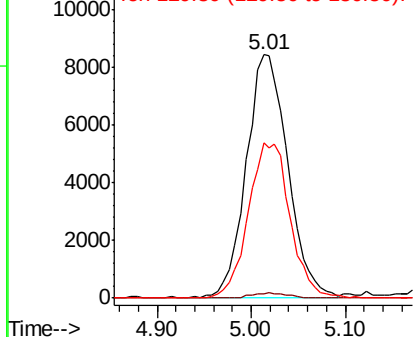
#28

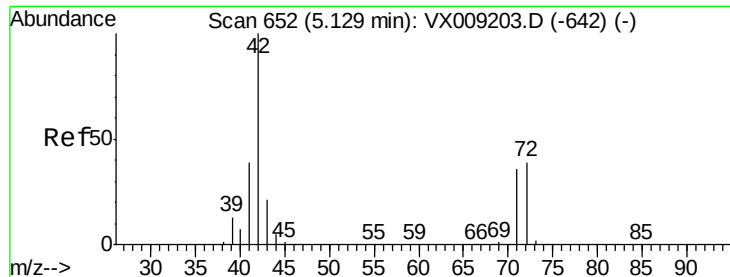
Bromochloromethane
Concen: 16.940 ug/l
RT: 5.01 min Scan# 633
Delta R.T. 0.00 min
Lab File: VX009490.D
Acq: 10 May 2019 18:53

Tgt Ion: 49 Resp: 26134
Ion Ratio Lower Upper
49 100
129 1.7 0.0 3.8
130 63.9 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: 113.756 ug/l

RT: 5.13 min Scan# 652

Delta R.T. 0.00 min

Lab File: VX009490.D

Acq: 10 May 2019 18:53

Instrument :

MSVOA_X

ClientSampleId :

VX0510WBSD02

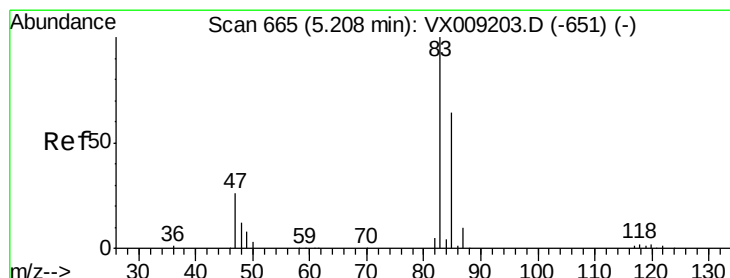
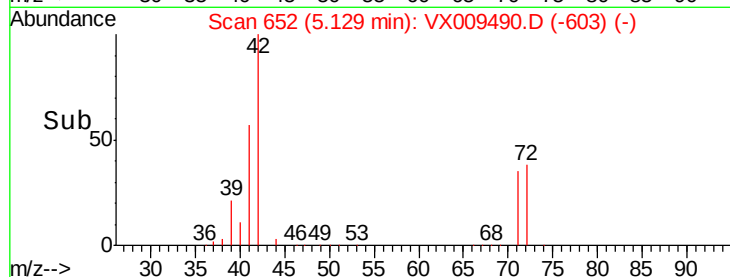
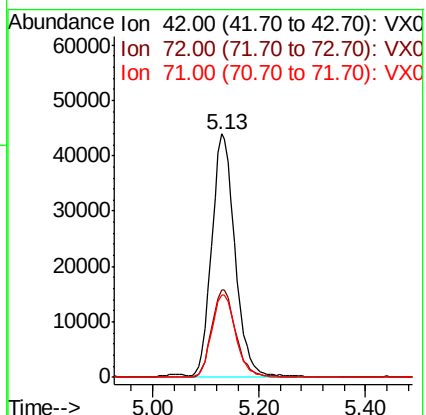
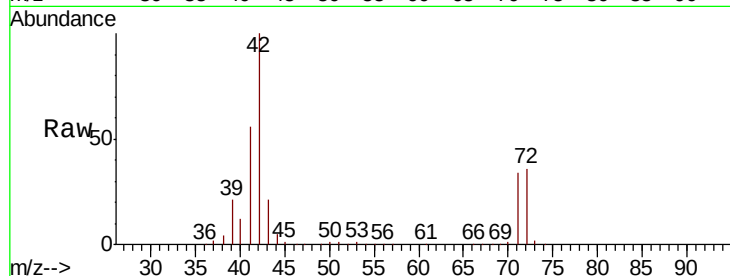
Tot Ion: 42 Resp: 133074

Ion Ratio Lower Upper

42 100

72 37.4 30.4 45.6

71 35.1 28.6 43.0



#30

Chloroform

Concen: 21.706 ug/l

RT: 5.21 min Scan# 666

Delta R.T. 0.01 min

Lab File: VX009490.D

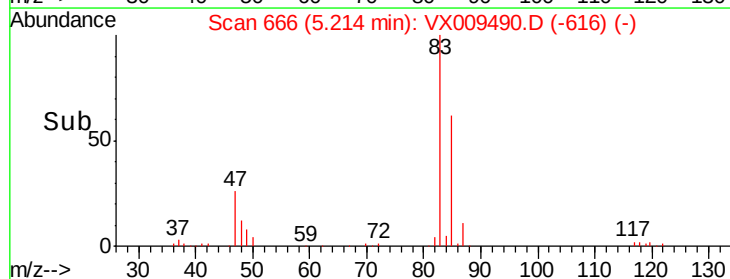
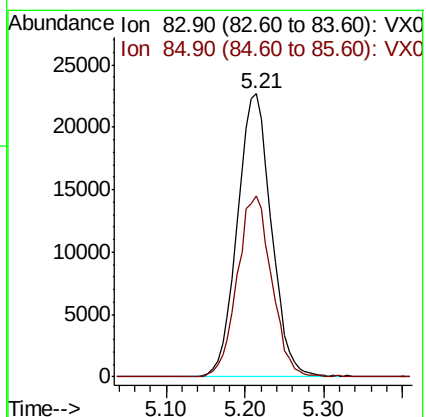
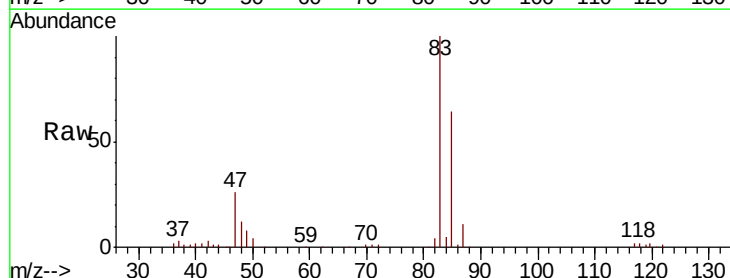
Acq: 10 May 2019 18:53

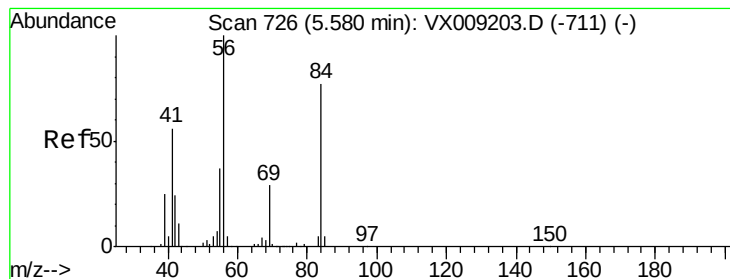
Tgt Ion: 83 Resp: 67966

Ion Ratio Lower Upper

83 100

85 63.8 51.5 77.3





#31

Cyclohexane

Concen: 21.870 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.00 min

Lab File: VX009490.D

Acq: 10 May 2019 18:53

Instrument :

MSVOA_X

ClientSampleId :

VX0510WBSD02

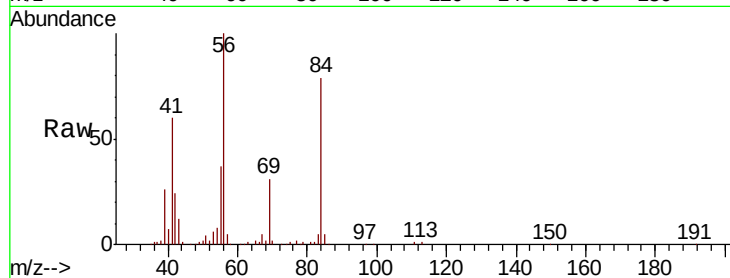
Tot Ion: 56 Resp: 70445

Ion Ratio Lower Upper

56 100

69 31.3 23.4 35.0

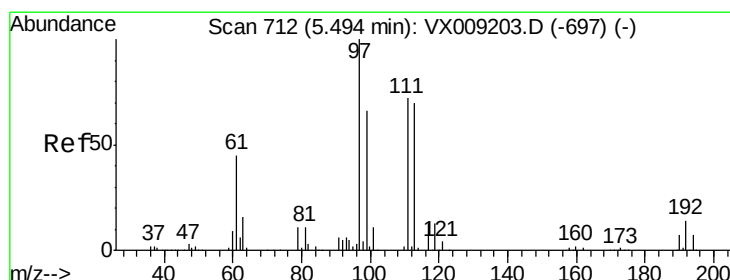
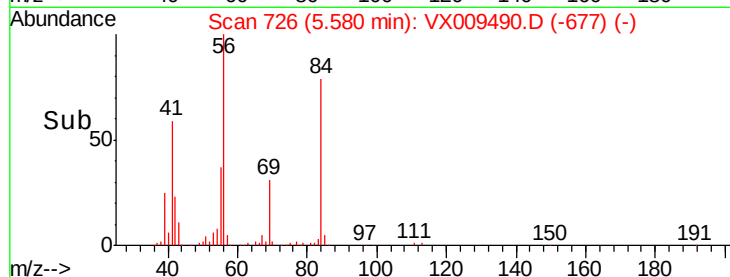
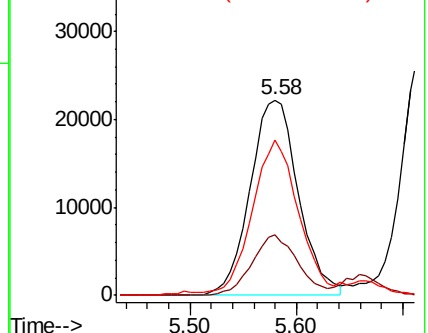
84 77.9 61.9 92.9



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: 21.266 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX009490.D

Acq: 10 May 2019 18:53

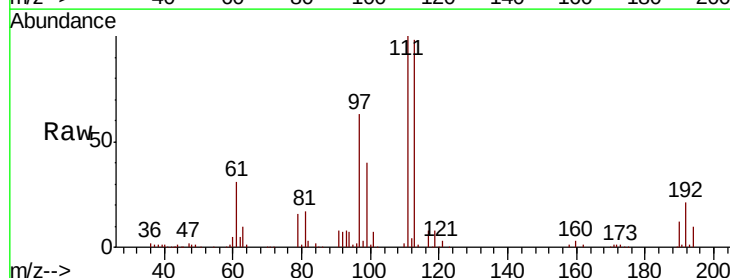
Tgt Ion: 97 Resp: 55433

Ion Ratio Lower Upper

97 100

99 64.2 51.8 77.8

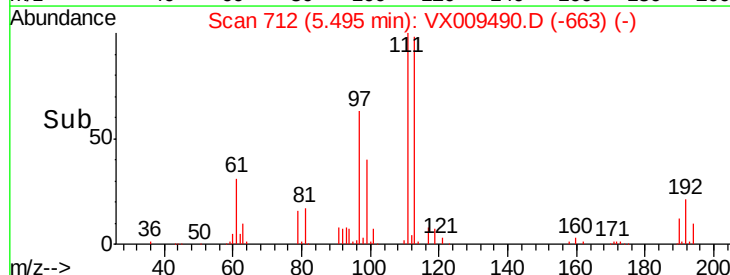
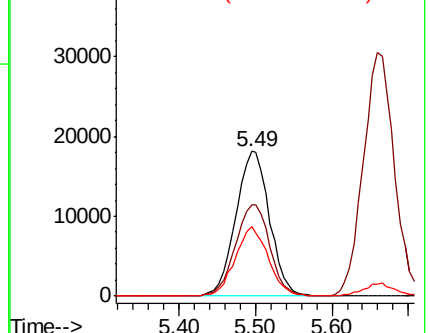
61 46.9 37.8 56.8

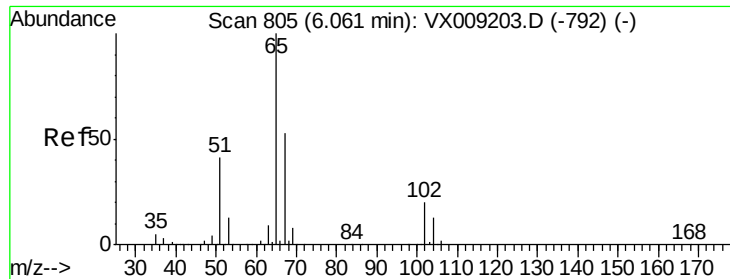


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

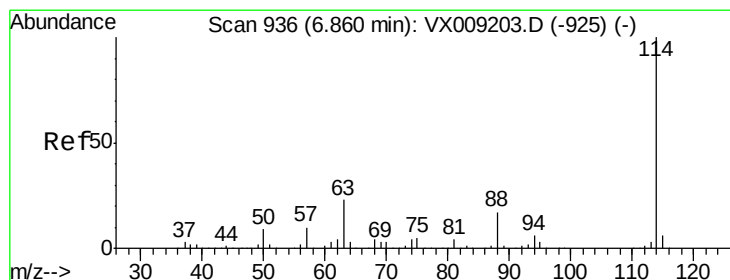
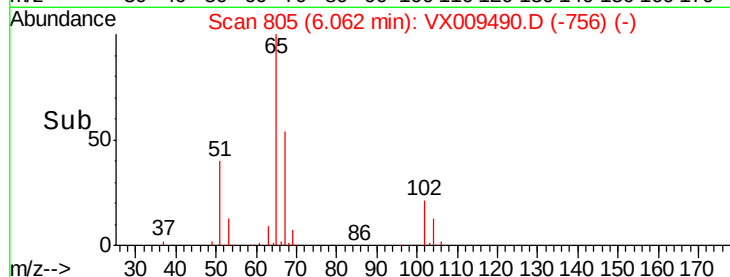
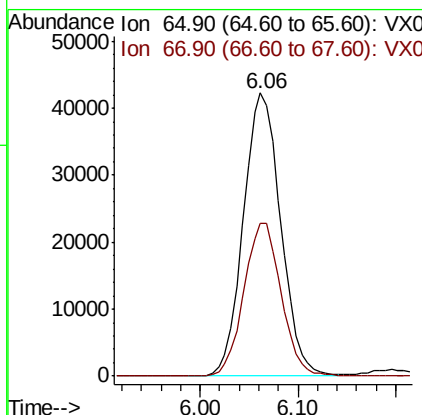
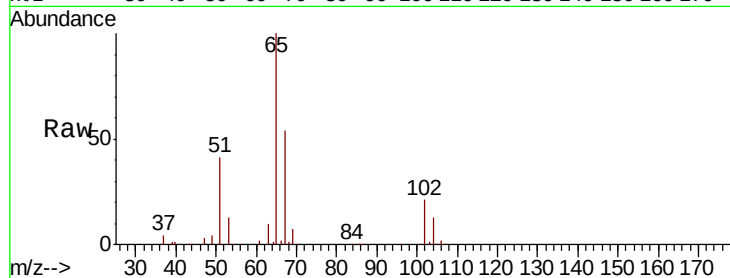




#33
 1,2-Dichloroethane-d4
 Concen: 51.321 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX009490.D
 Acq: 10 May 2019 18:53

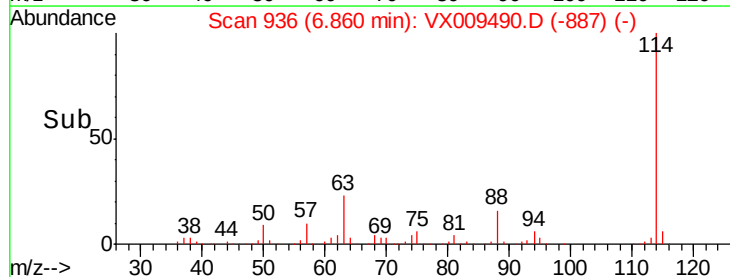
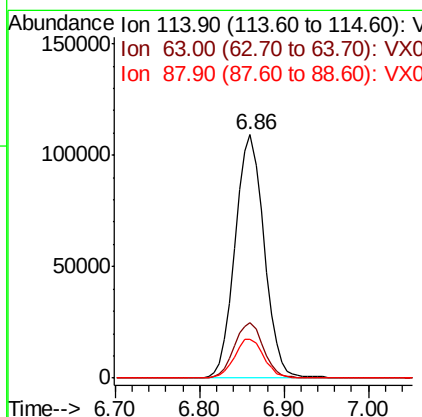
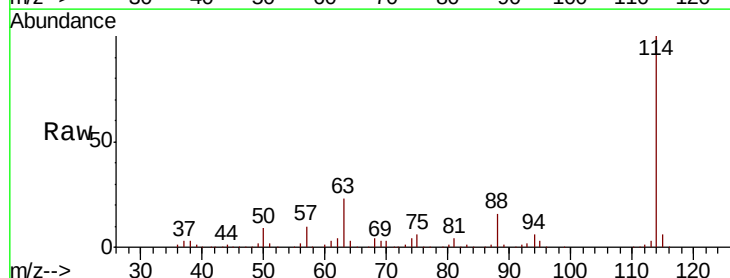
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0510WBSD02

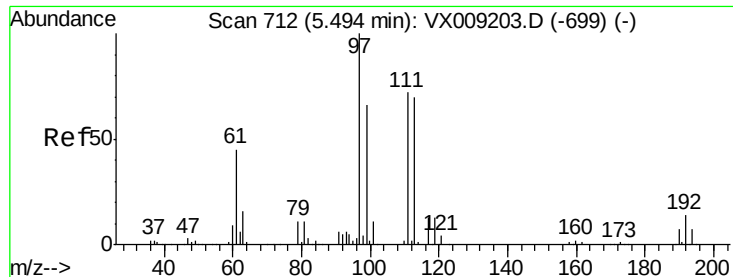
Tot Ion: 65 Resp: 111810
 Ion Ratio Lower Upper
 65 100
 67 54.1 0.0 106.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX009490.D
 Acq: 10 May 2019 18:53

Tgt Ion: 114 Resp: 254123
 Ion Ratio Lower Upper
 114 100
 63 22.9 0.0 45.6
 88 16.0 0.0 33.2

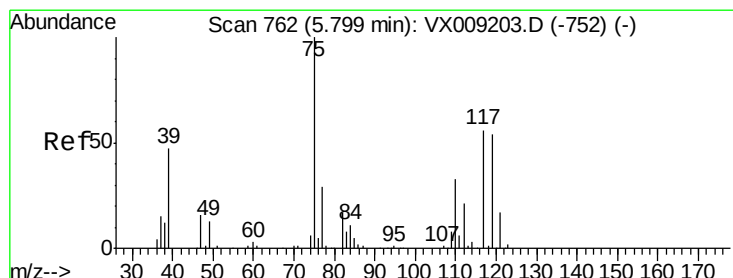
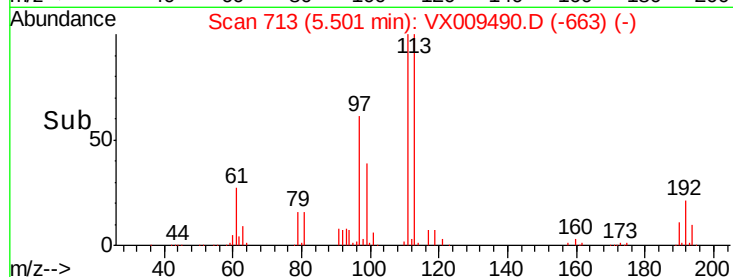
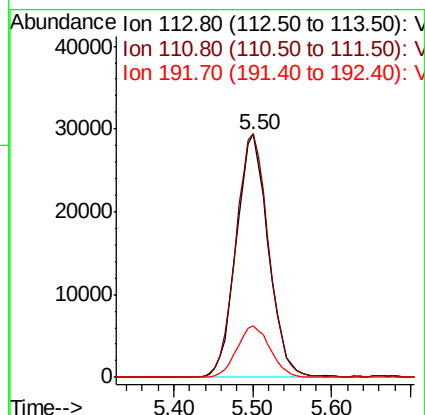
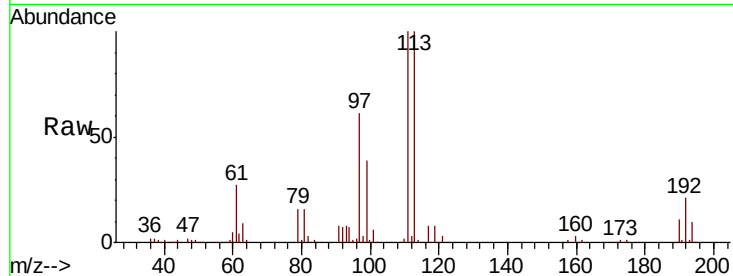




#35
 Dibromofluoromethane
 Concen: 52.113 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX009490.D
 Acq: 10 May 2019 18:53

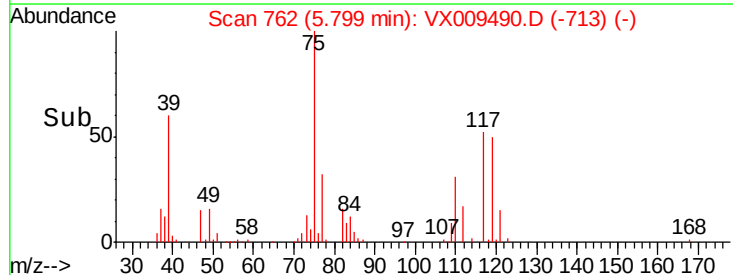
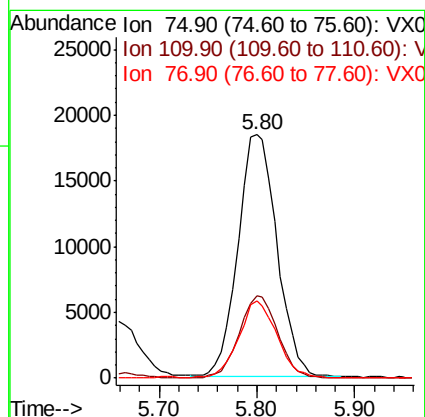
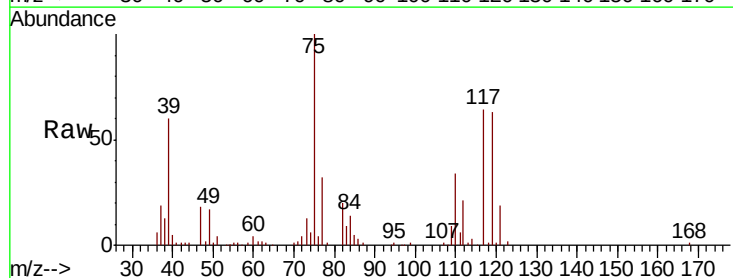
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0510WBSD02

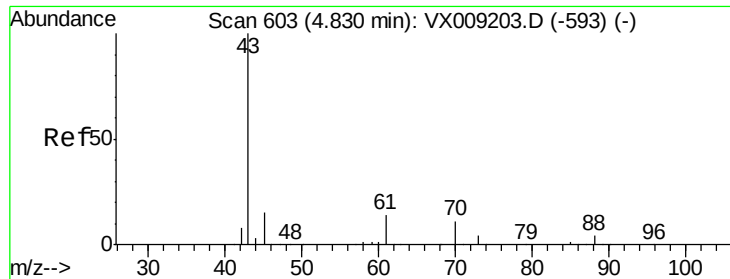
Tot Ion:113 Resp: 83251
 Ion Ratio Lower Upper
 113 100
 111 102.5 82.8 124.2
 192 21.9 17.0 25.6



#36
 1,1-Dichloropropene
 Concen: 21.593 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: VX009490.D
 Acq: 10 May 2019 18:53

Tgt Ion: 75 Resp: 50994
 Ion Ratio Lower Upper
 75 100
 110 33.6 16.9 50.6
 77 31.4 24.8 37.2





#37

Ethyl Acetate

Concen: 22.375 ug/l

RT: 4.84 min Scan# 604

Delta R.T. 0.01 min

Lab File: VX009490.D

Acq: 10 May 2019 18:53

Instrument :

MSVOA_X

ClientSampleId :

VX0510WBSD02

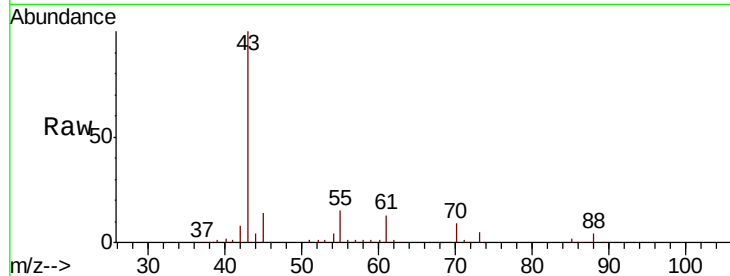
Tot Ion: 43 Resp: 73624

Ion Ratio Lower Upper

43 100

61 13.5 10.5 15.7

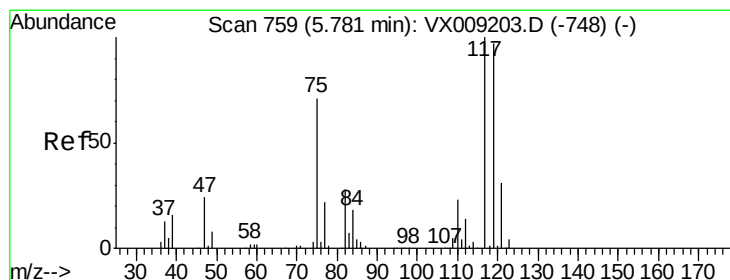
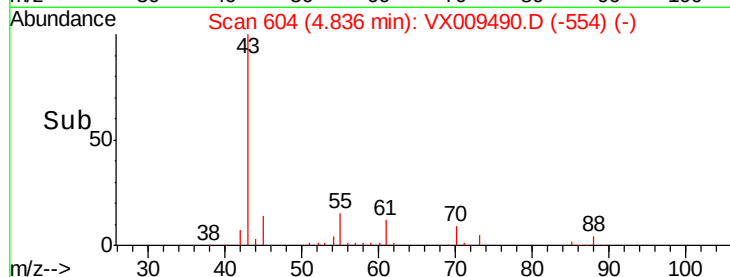
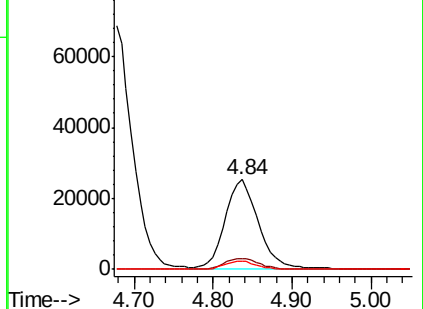
70 9.3 7.9 11.9



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: 21.366 ug/l

RT: 5.78 min Scan# 759

Delta R.T. 0.00 min

Lab File: VX009490.D

Acq: 10 May 2019 18:53

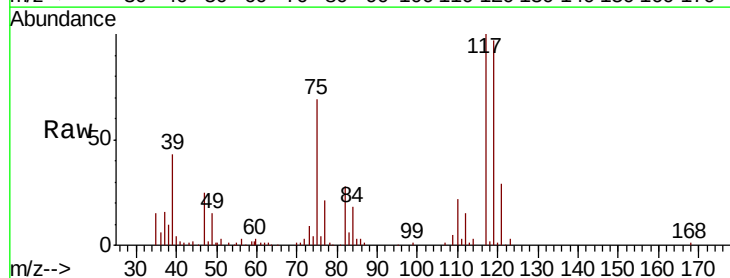
Tgt Ion: 117 Resp: 45844

Ion Ratio Lower Upper

117 100

119 96.2 77.5 116.3

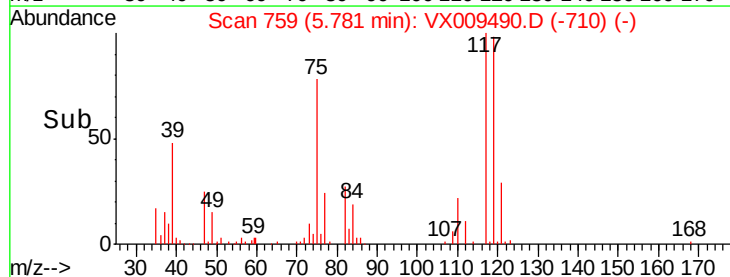
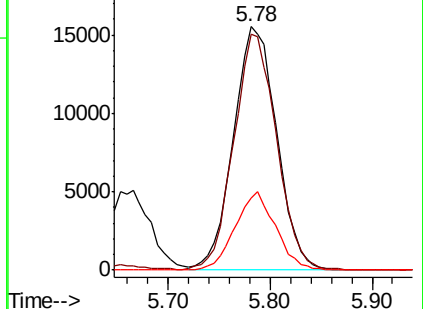
121 29.4 24.7 37.1

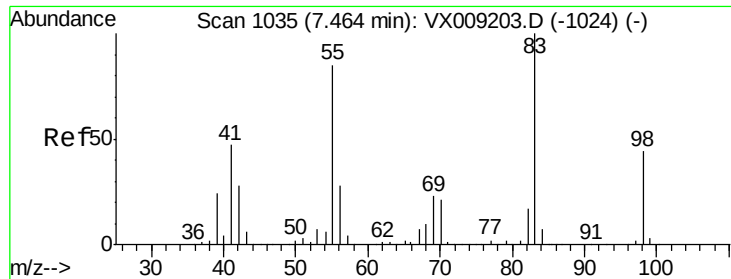


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

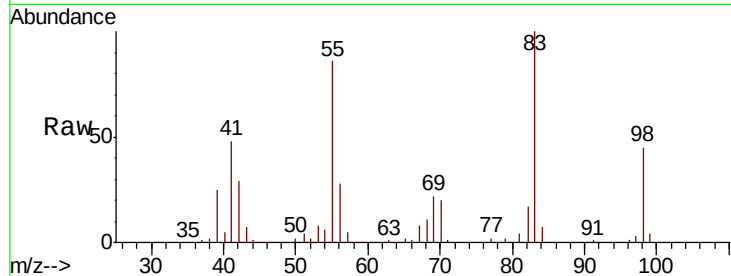




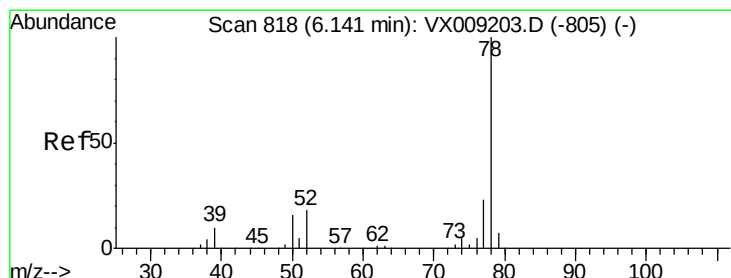
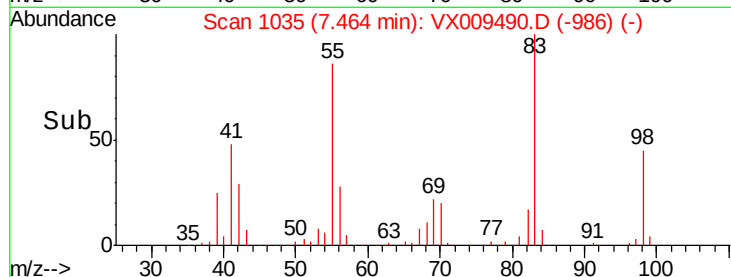
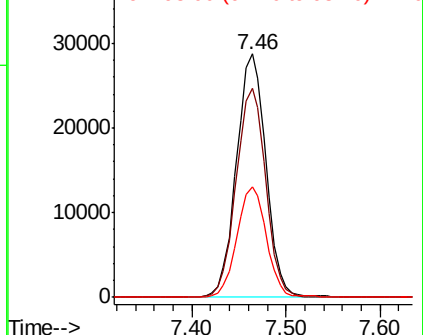
#39
Methylvlcyclohexane
Concen: 21.732 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX009490.D
Acq: 10 May 2019 18:53

Instrument :
MSVOA_X
ClientSampleId :
VX0510WBSD02

Tot Ion: 83 Resp: 63028
Ion Ratio Lower Upper
83 100
55 86.0 67.7 101.5
98 45.3 35.5 53.3

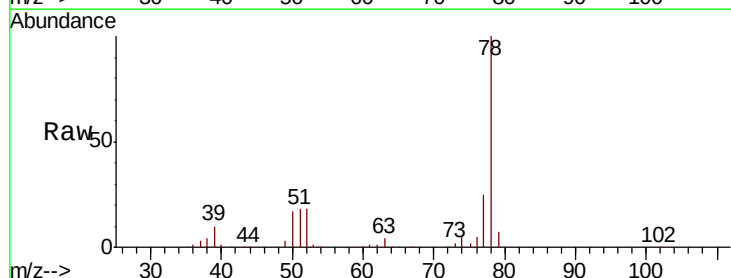


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

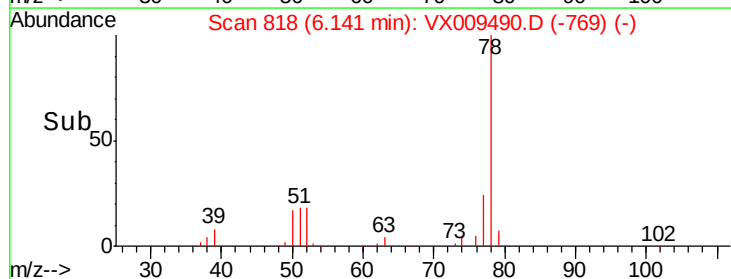
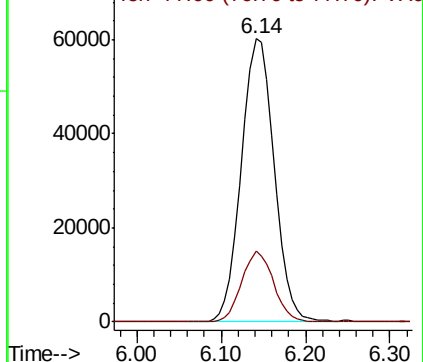


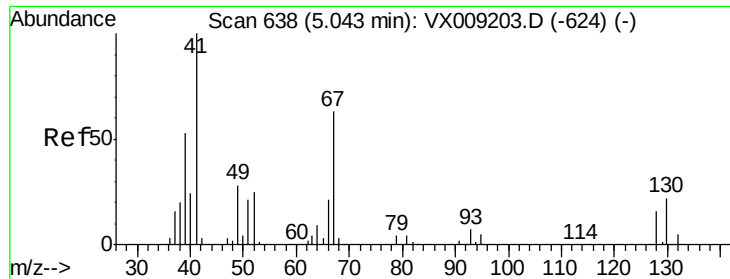
#40
Benzene
Concen: 21.795 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX009490.D
Acq: 10 May 2019 18:53

Tgt Ion: 78 Resp: 159296
Ion Ratio Lower Upper
78 100
77 24.8 18.8 28.2



Abundance Ion 78.00 (77.70 to 78.70): VX0
Ion 77.00 (76.70 to 77.70): VX0

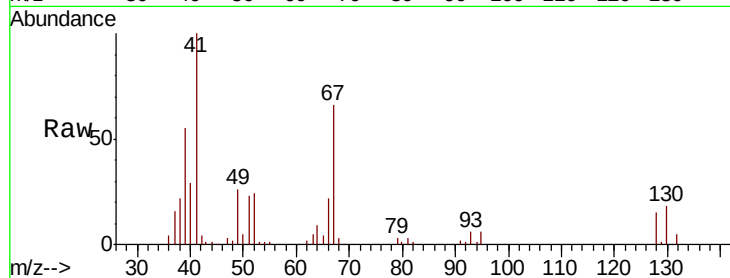




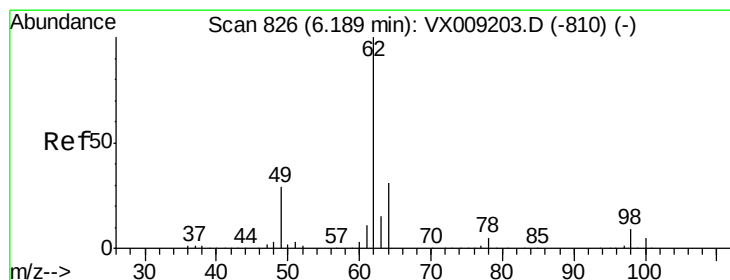
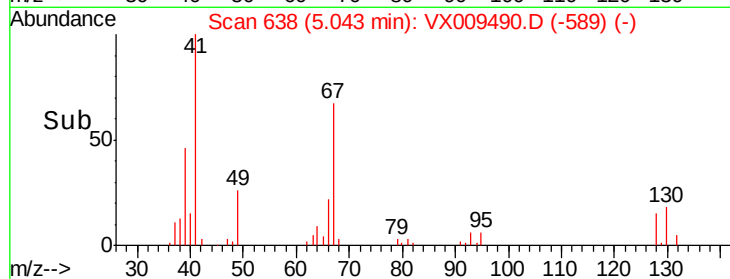
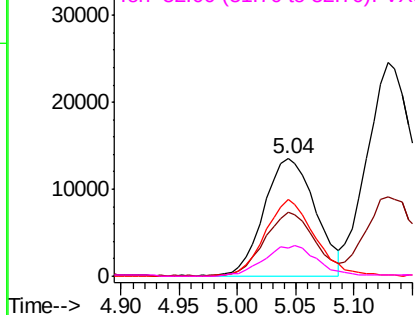
#41
Methacrylonitrile
Concen: 21.099 ug/l
RT: 5.04 min Scan# 638
Delta R.T. 0.00 min
Lab File: VX009490.D
Acq: 10 May 2019 18:53

Instrument :
MSVOA_X
ClientSampleId :
VX0510WBSD02

Tot Ion:	41	Resp:	41326
Ion	Ratio	Lower	Upper
41	100		
39	53.7	42.0	63.0
67	63.3	49.8	74.8
52	27.2	20.3	30.5

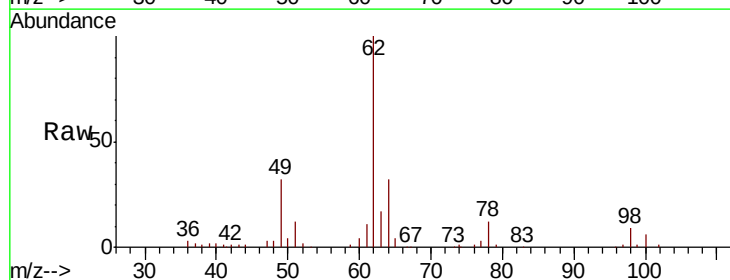


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

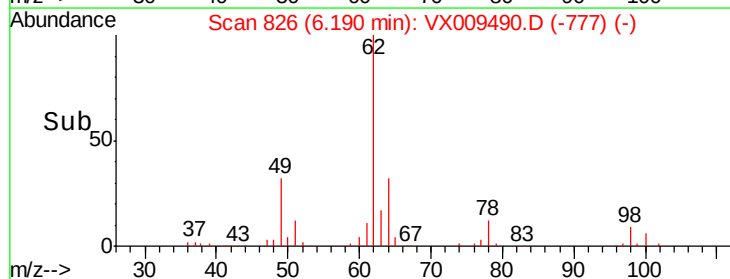
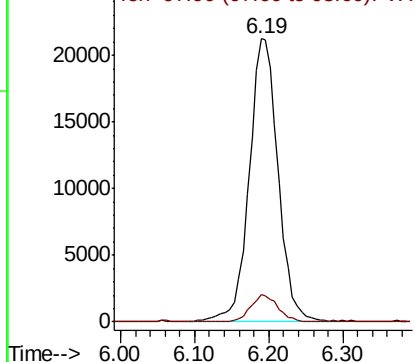


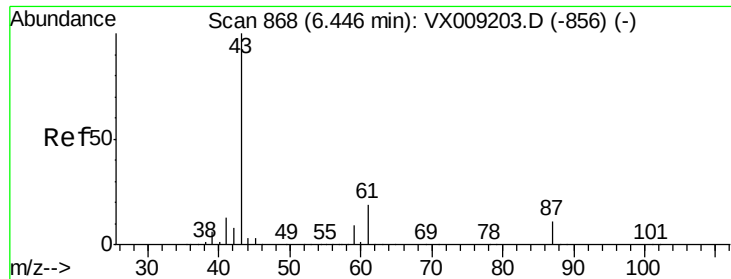
#42
1,2-Dichloroethane
Concen: 22.008 ug/l
RT: 6.19 min Scan# 826
Delta R.T. 0.00 min
Lab File: VX009490.D
Acq: 10 May 2019 18:53

Tgt Ion:	62	Resp:	57699
Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	18.2



Abundance Ion 61.90 (61.60 to 62.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



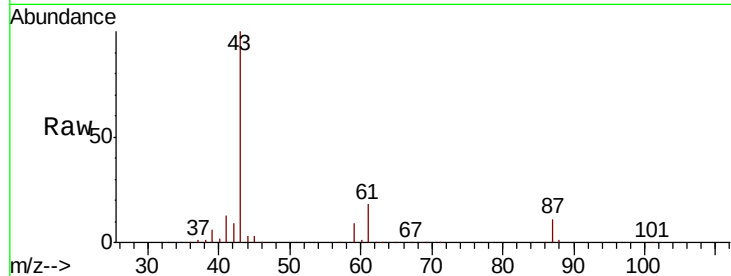


#43

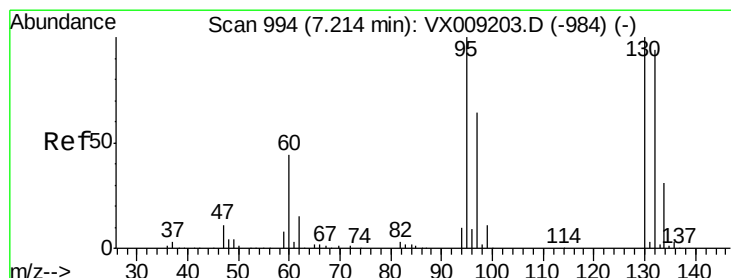
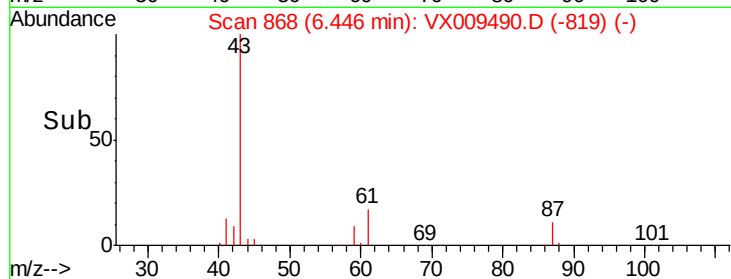
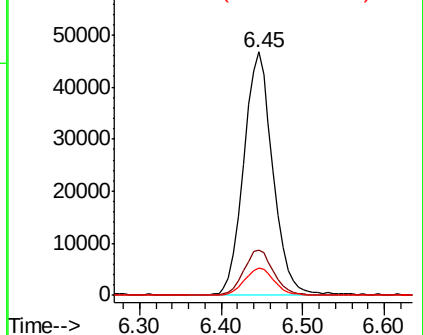
Isopropyl Acetate
 Concen: 21.859 ug/l
 RT: 6.45 min Scan# 868
 Delta R.T. 0.00 min
 Lab File: VX009490.D
 Acq: 10 May 2019 18:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0510WBSD02

Tot Ion: 43 Resp: 115049
 Ion Ratio Lower Upper
 43 100
 61 19.2 15.1 22.7
 87 11.7 9.0 13.6



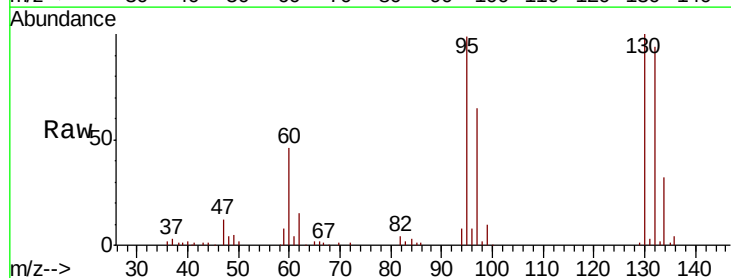
Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 61.00 (60.70 to 61.70): VX0
 Ion 87.00 (86.70 to 87.70): VX0



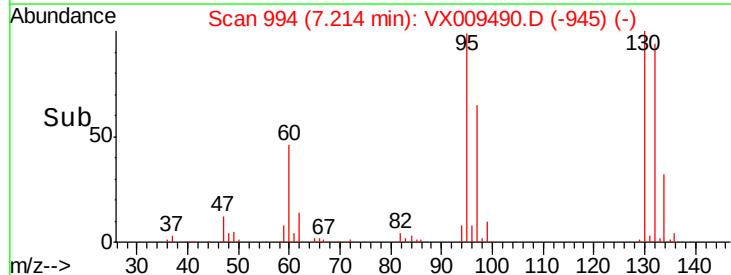
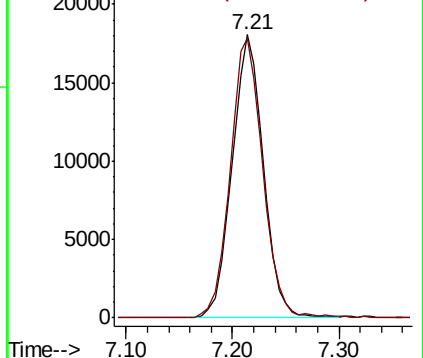
#44

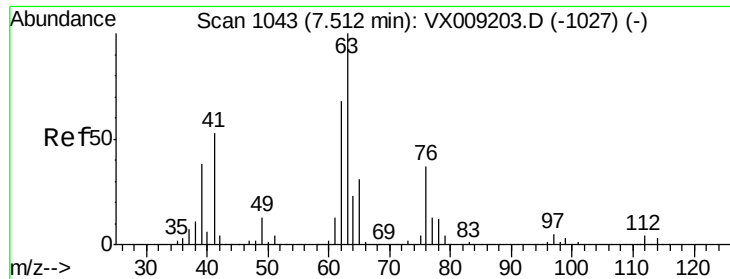
Trichloroethene
 Concen: 21.074 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX009490.D
 Acq: 10 May 2019 18:53

Tgt Ion:130 Resp: 37235
 Ion Ratio Lower Upper
 130 100
 95 98.8 0.0 199.2



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

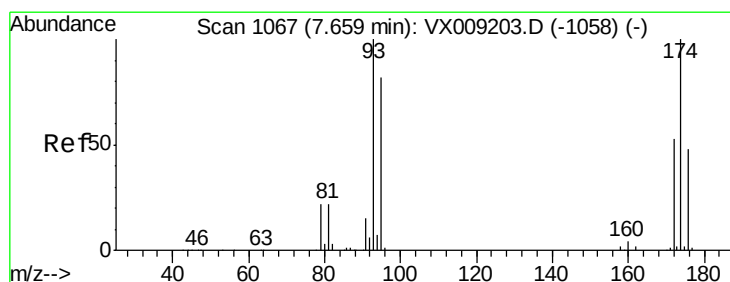
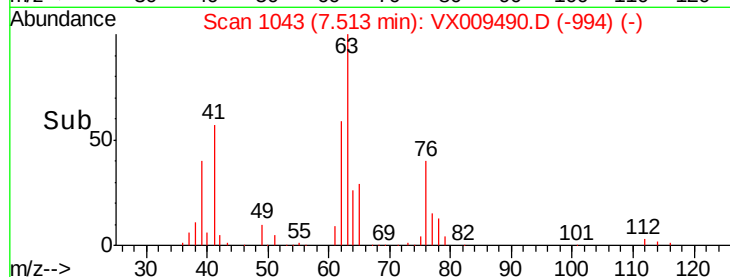
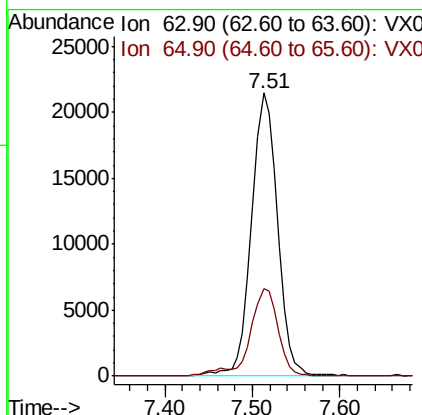
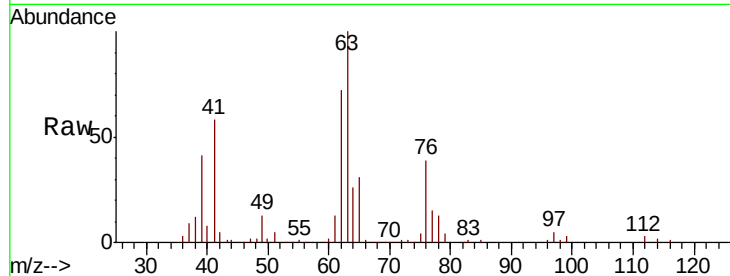




#45
 1,2-Dichloropropane
 Concen: 21.595 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. 0.00 min
 Lab File: VX009490.D
 Acq: 10 May 2019 18:53

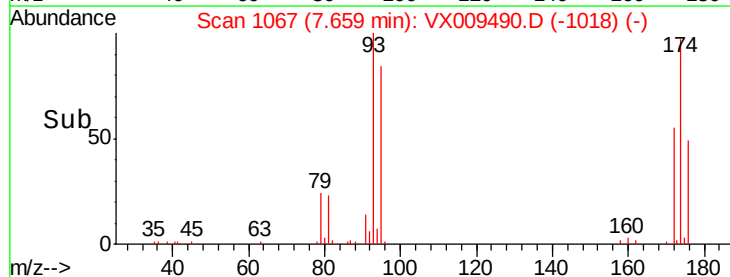
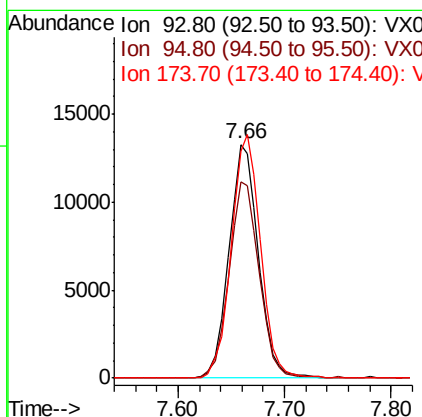
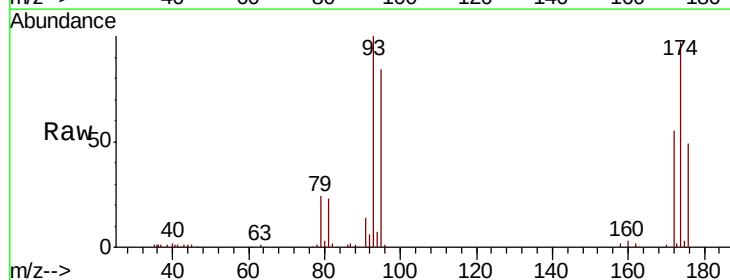
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0510WBSD02

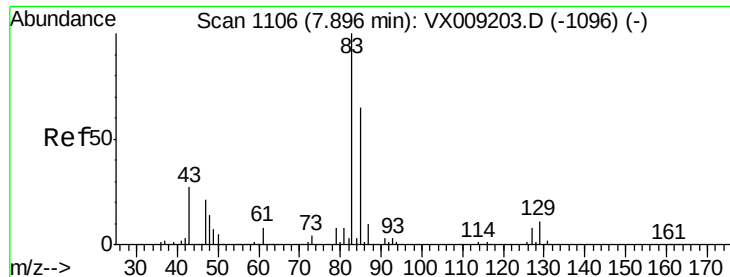
Tot Ion: 63 Resp: 44692
 Ion Ratio Lower Upper
 63 100
 65 30.8 25.0 37.6



#46
 Dibromomethane
 Concen: 21.305 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VX009490.D
 Acq: 10 May 2019 18:53

Tgt Ion: 93 Resp: 25604
 Ion Ratio Lower Upper
 93 100
 95 86.1 66.5 99.7
 174 104.1 82.1 123.1





#47

Bromodichloromethane

Concen: 21.392 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX009490.D

Acq: 10 May 2019 18:53

Instrument :

MSVOA_X

ClientSampleId :

VX0510WBSD02

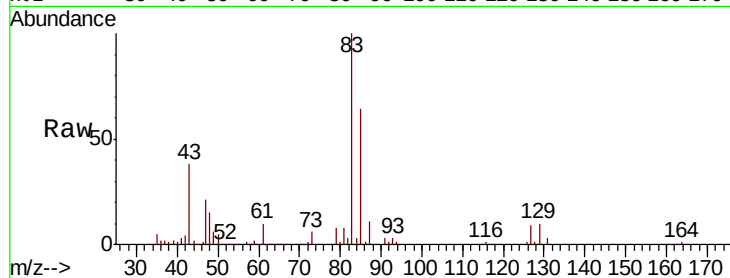
Tot Ion: 83 Resp: 51283

Ion Ratio Lower Upper

83 100

85 63.7 52.4 78.6

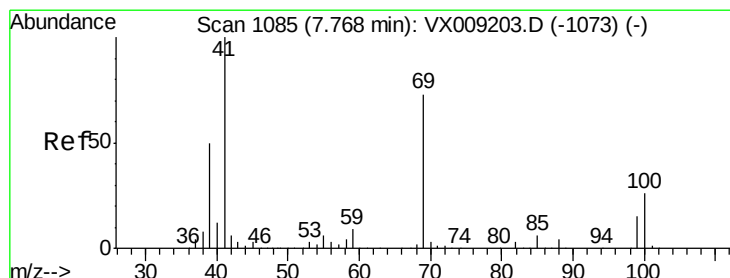
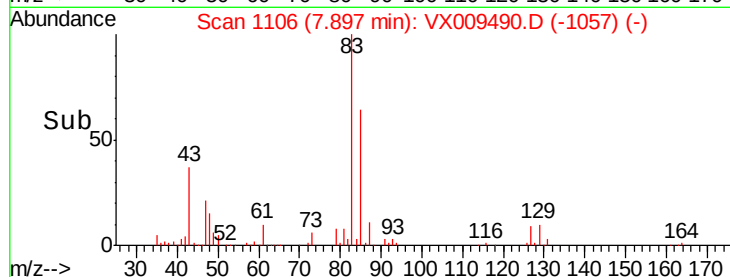
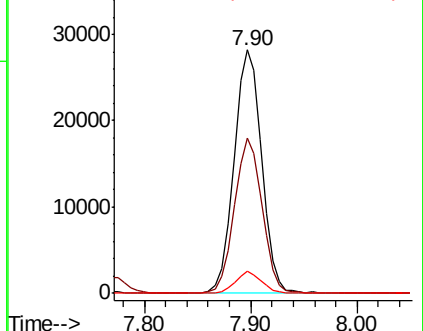
127 9.3 6.6 10.0



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 22.637 ug/l

RT: 7.77 min Scan# 1085

Delta R.T. 0.00 min

Lab File: VX009490.D

Acq: 10 May 2019 18:53

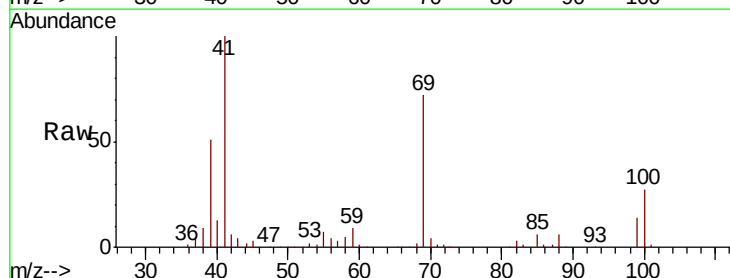
Tgt Ion: 41 Resp: 59109

Ion Ratio Lower Upper

41 100

69 71.8 59.1 88.7

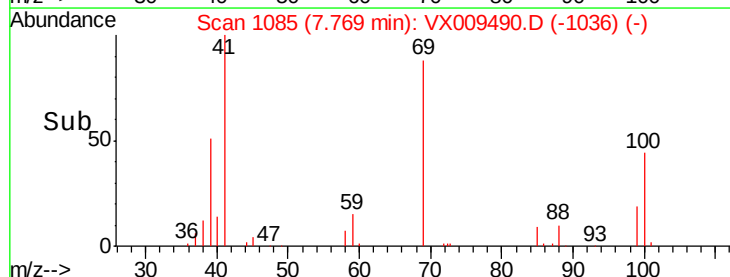
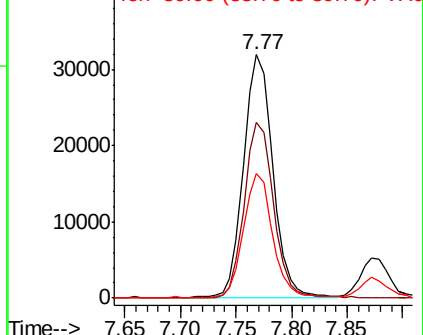
39 49.8 40.4 60.6

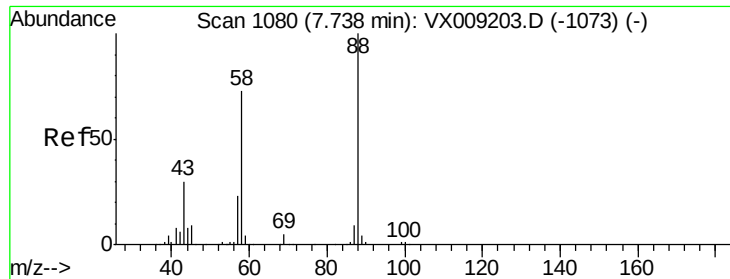


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 450.499 ug/l

RT: 7.74 min Scan# 1080

Delta R.T. 0.00 min

Lab File: VX009490.D

Acq: 10 May 2019 18:53

Instrument :

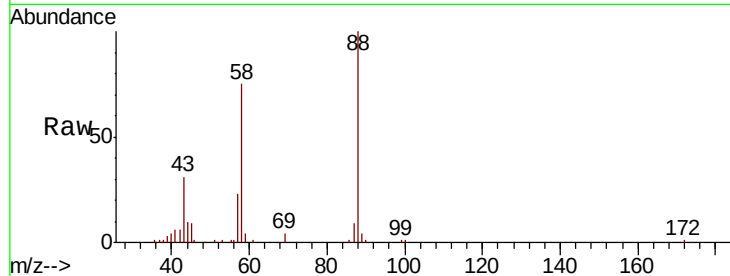
MSVOA_X

ClientSampleId :

VX0510WBSD02

Tot Ion: 88 Resp: 23856

Ion	Ratio	Lower	Upper
88	100		
43	37.8	28.6	42.8
58	79.3	61.7	92.5

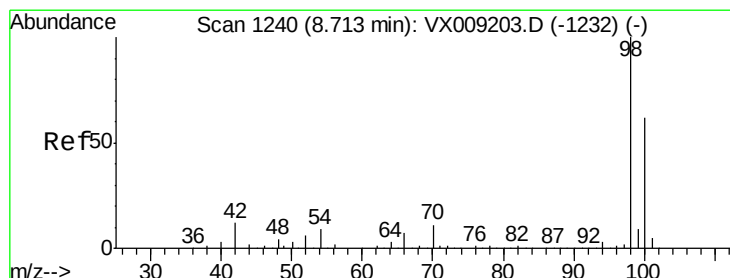
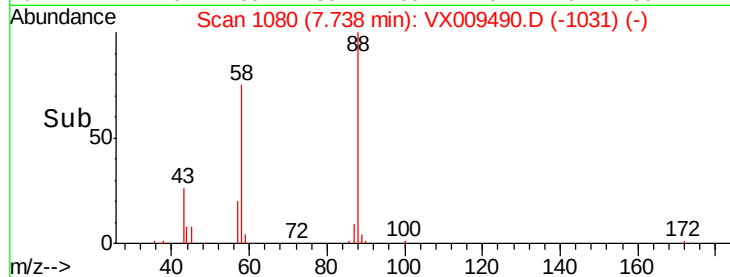
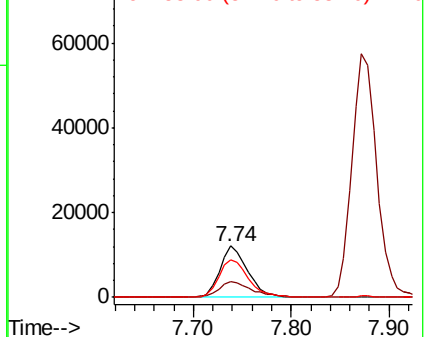


Abundance

Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 51.737 ug/l

RT: 8.71 min Scan# 1240

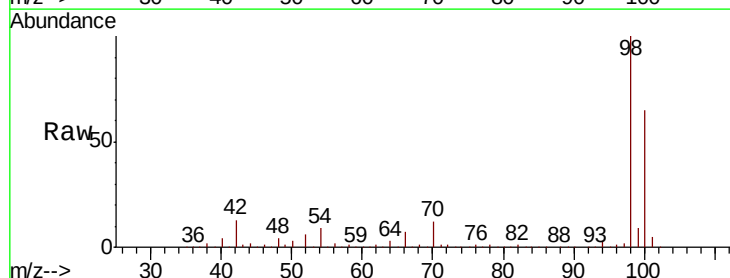
Delta R.T. 0.00 min

Lab File: VX009490.D

Acq: 10 May 2019 18:53

Tgt Ion: 98 Resp: 333681

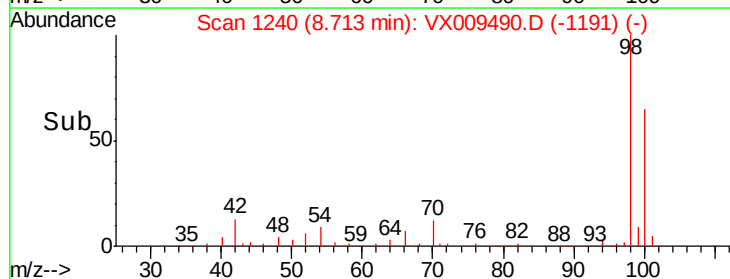
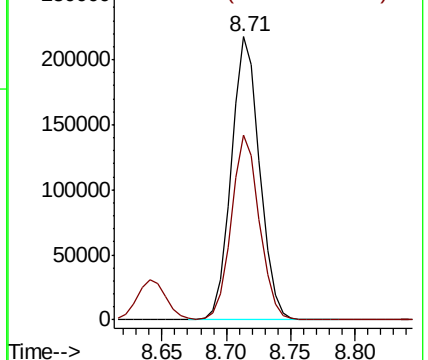
Ion	Ratio	Lower	Upper
98	100		
100	64.5	51.2	76.8

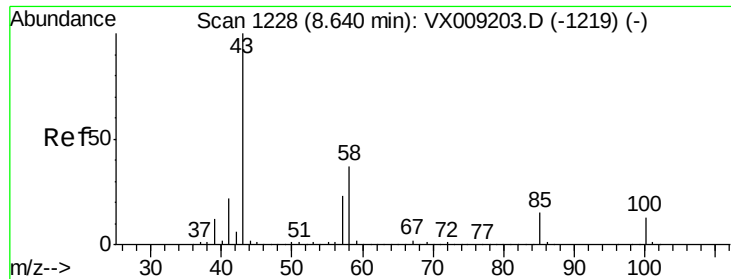


Abundance

Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 112.721 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX009490.D

Acq: 10 May 2019 18:53

Instrument :

MSVOA_X

ClientSampleId :

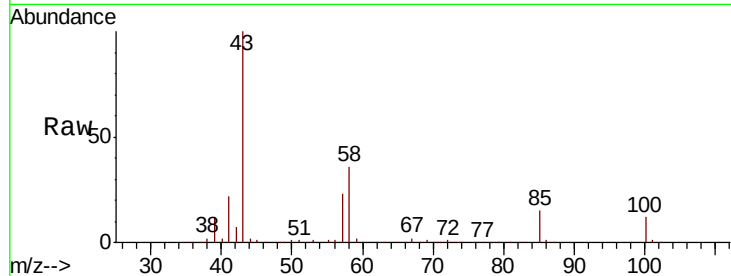
VX0510WBSD02

Tot Ion: 43 Resp: 387775

Ion Ratio Lower Upper

43 100

58 36.6 29.5 44.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.64

250000

200000

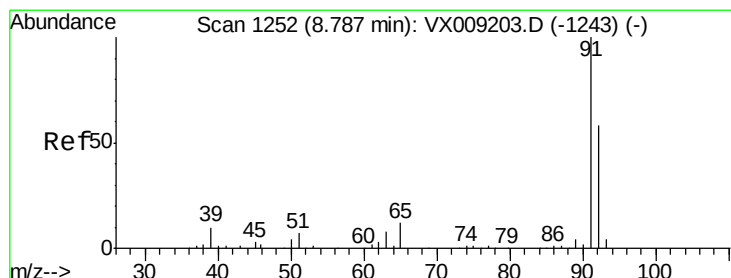
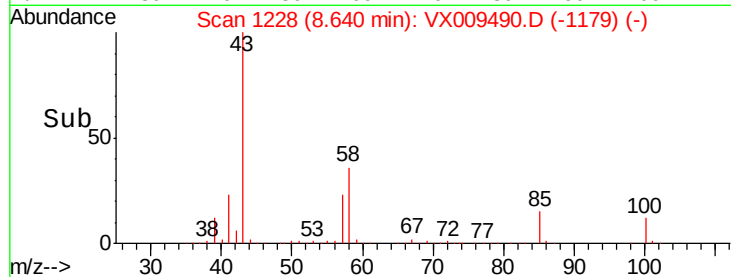
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 22.174 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX009490.D

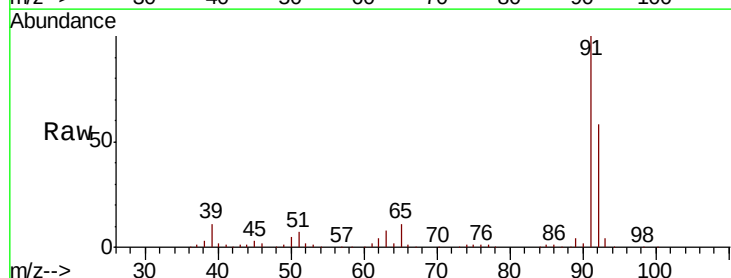
Acq: 10 May 2019 18:53

Tgt Ion: 92 Resp: 98513

Ion Ratio Lower Upper

92 100

91 172.8 138.8 208.2



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.79

120000

100000

80000

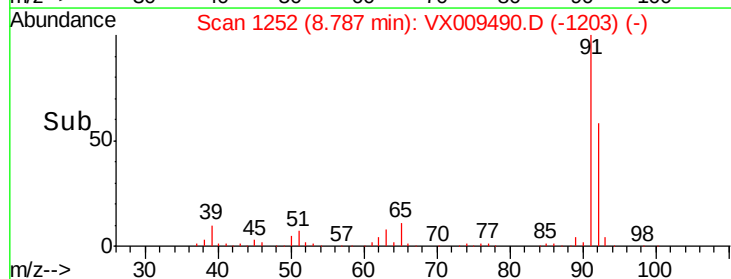
60000

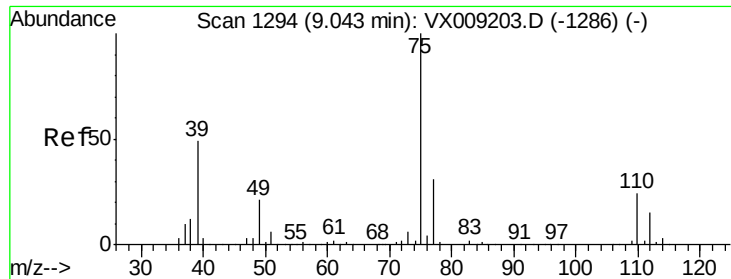
40000

20000

0

Time-->

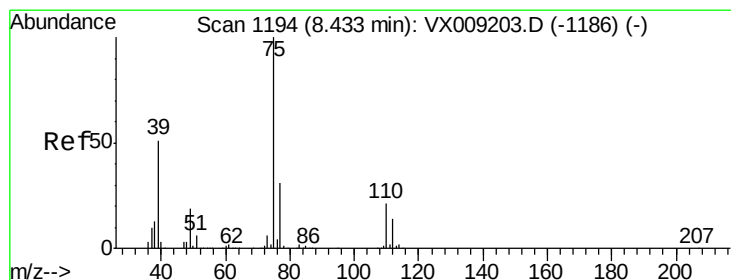
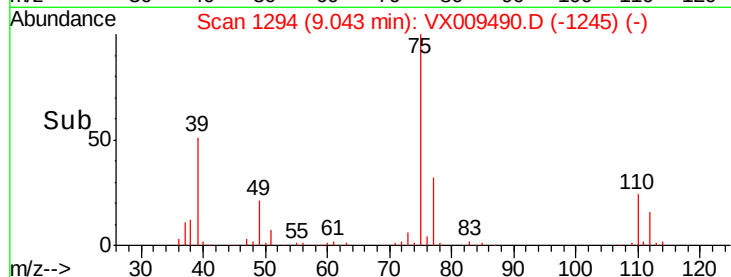
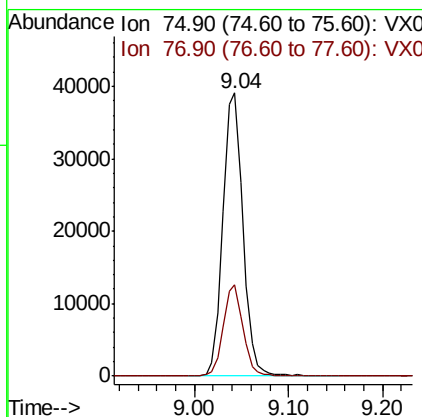
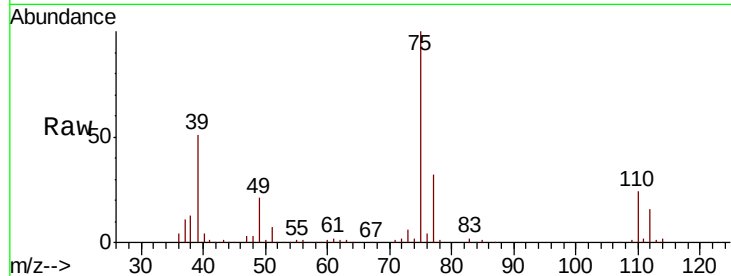




#53
t-1,3-Dichloropropene
Concen: 21.370 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX009490.D
Acq: 10 May 2019 18:53

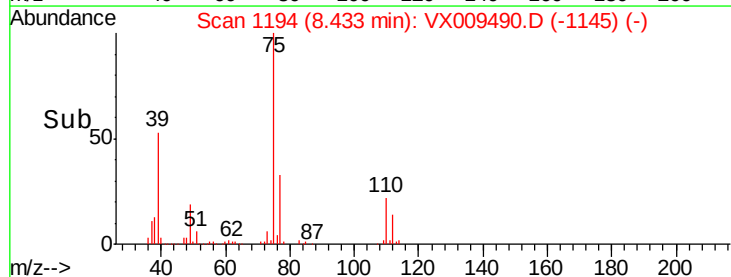
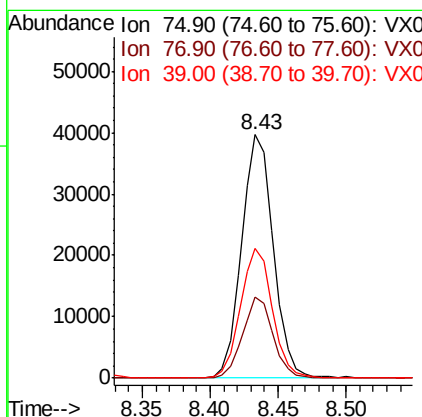
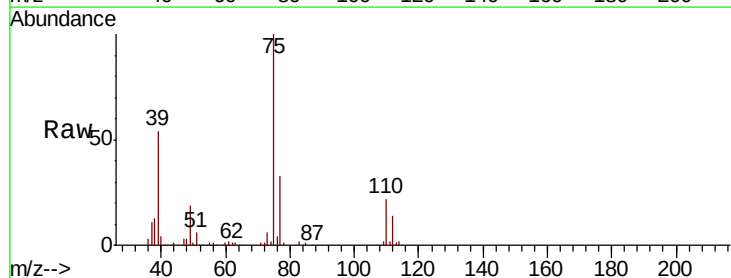
Instrument :
MSVOA_X
ClientSampleId :
VX0510WBSD02

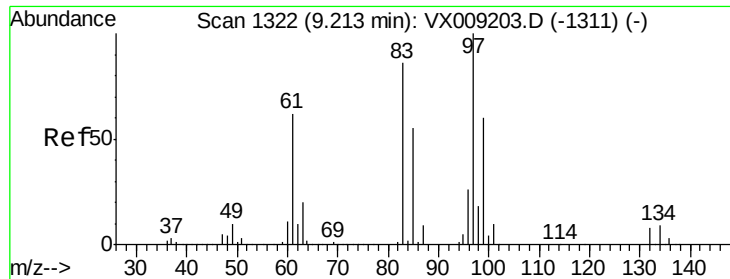
Tot Ion: 75 Resp: 57839
Ion Ratio Lower Upper
75 100
77 32.4 25.0 37.6



#54
cis-1,3-Dichloropropene
Concen: 21.535 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX009490.D
Acq: 10 May 2019 18:53

Tgt Ion: 75 Resp: 64513
Ion Ratio Lower Upper
75 100
77 33.4 24.6 36.8
39 53.5 40.6 60.8

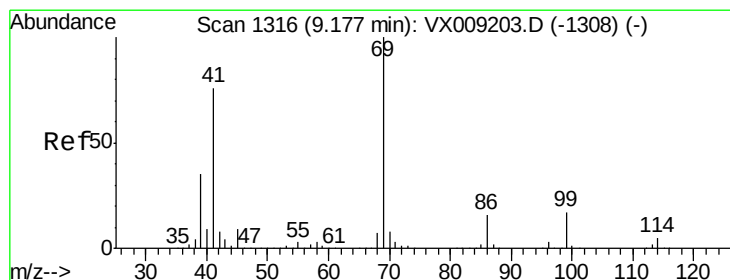
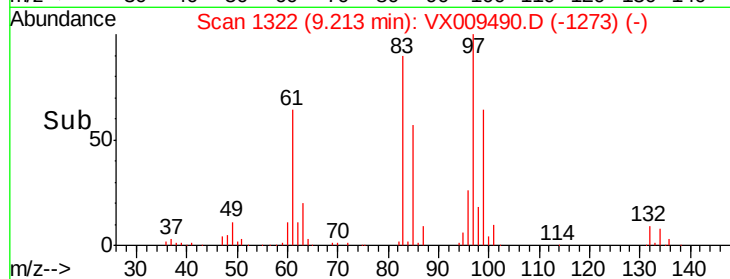
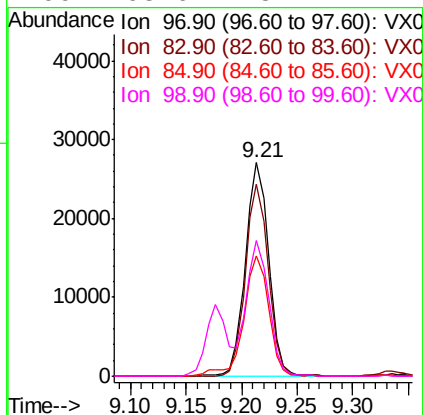
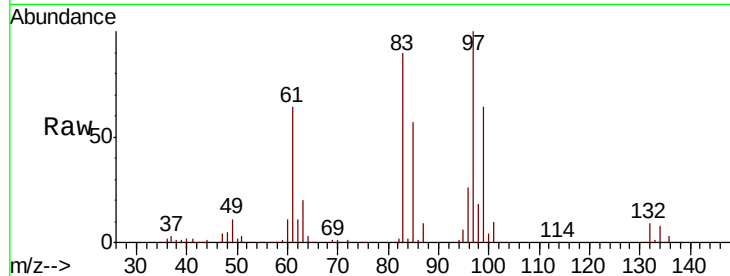




#55
 1,1,2-Trichloroethane
 Concen: 21.880 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX009490.D
 Acq: 10 May 2019 18:53

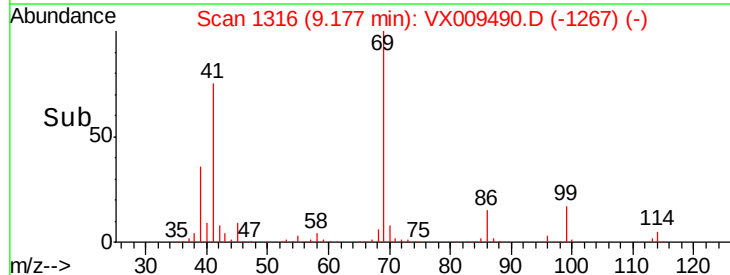
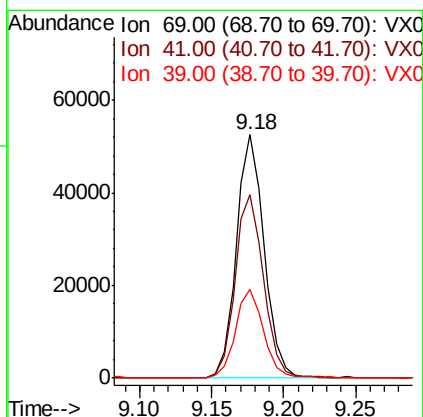
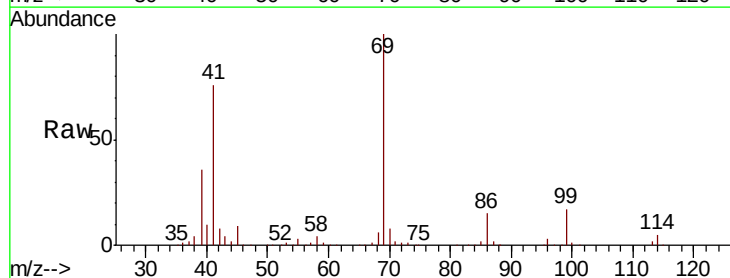
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0510WBSD02

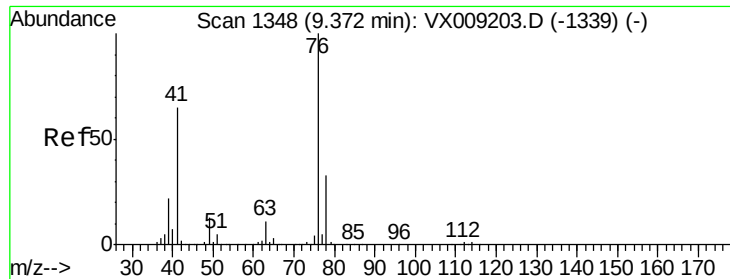
Tot Ion:	97	Resp:	39659
Ion	Ratio	Lower	Upper
97	100		
83	90.0	68.9	103.3
85	56.5	43.8	65.6
99	63.6	48.2	72.2



#56
 Ethyl methacrylate
 Concen: 21.832 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX009490.D
 Acq: 10 May 2019 18:53

Tgt Ion:	69	Resp:	70636
Ion	Ratio	Lower	Upper
69	100		
41	77.5	60.6	90.8
39	36.8	28.2	42.4

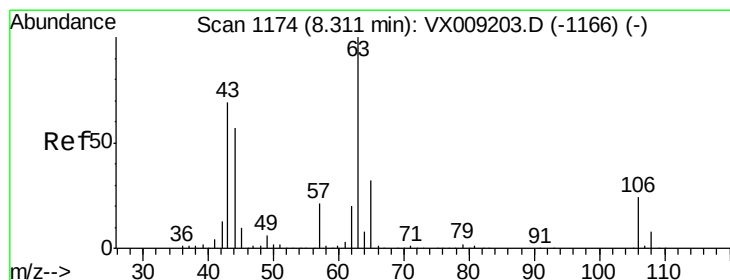
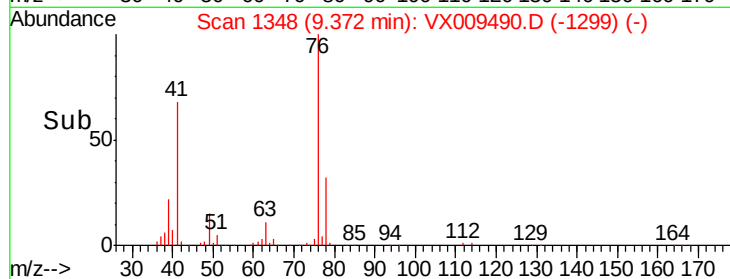
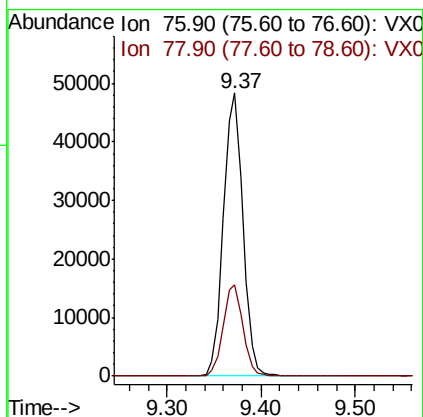
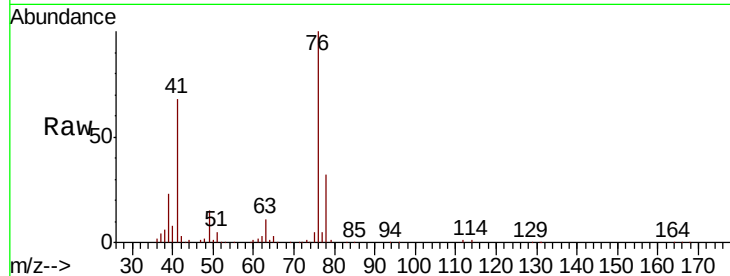




#57
 1,3-Dichloropropane
 Concen: 21.802 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VX009490.D
 Acq: 10 May 2019 18:53

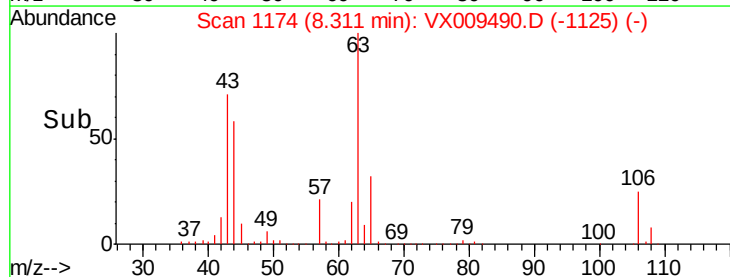
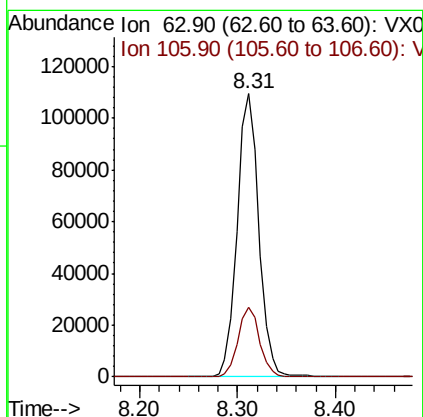
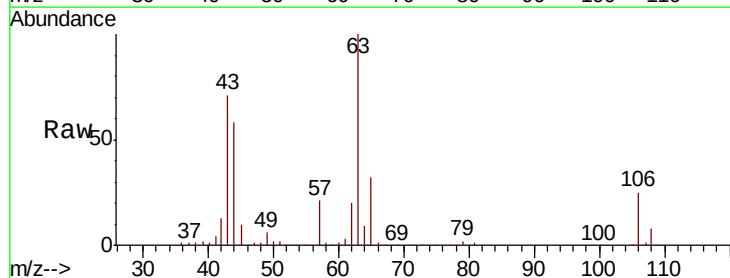
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0510WBSD02

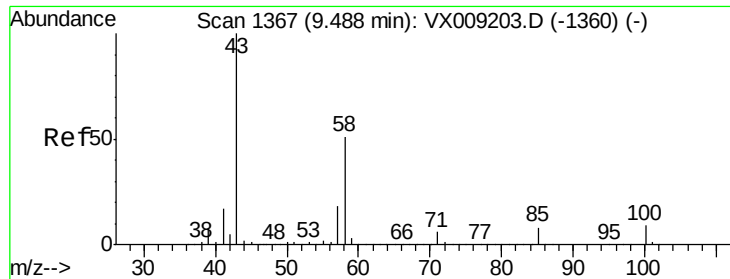
Tot Ion: 76 Resp: 69539
 Ion Ratio Lower Upper
 76 100
 78 32.6 25.5 38.3



#58
 2-Chloroethyl Vinyl ether
 Concen: 98.145 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VX009490.D
 Acq: 10 May 2019 18:53

Tgt Ion: 63 Resp: 168457
 Ion Ratio Lower Upper
 63 100
 106 24.5 19.7 29.5

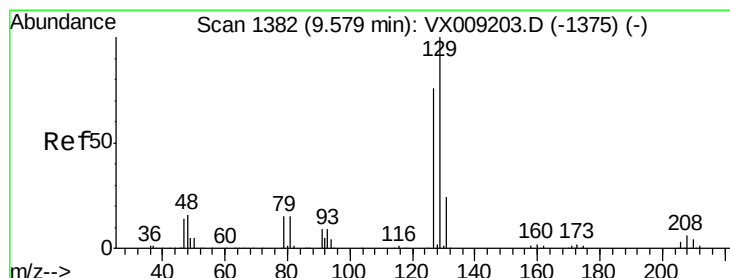
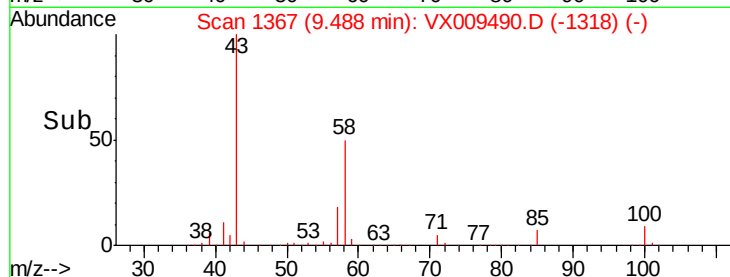
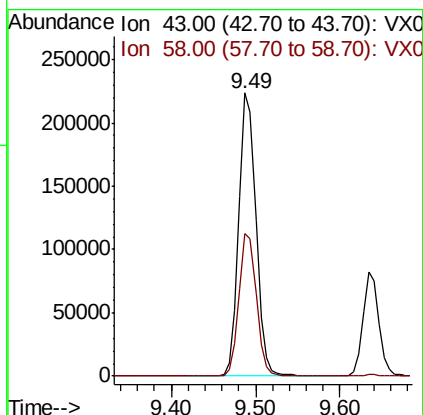
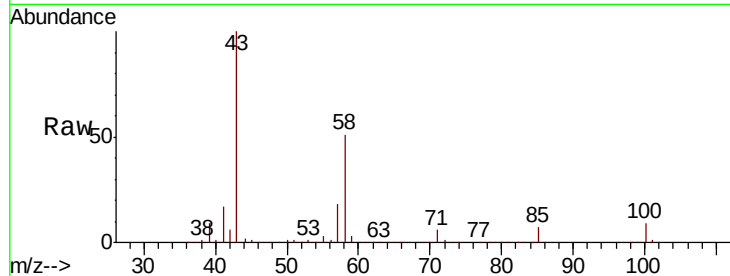




#59
2-Hexanone
Concen: 112.980 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX009490.D
Acq: 10 May 2019 18:53

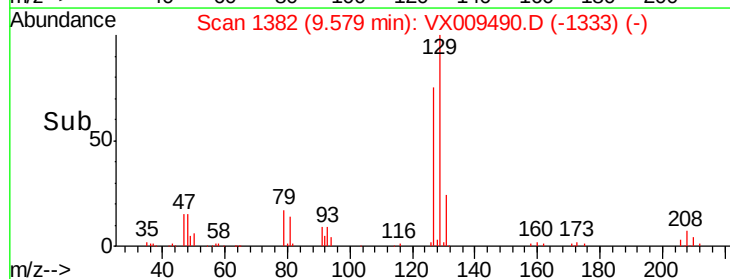
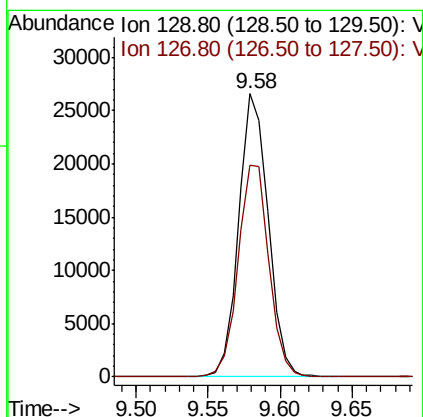
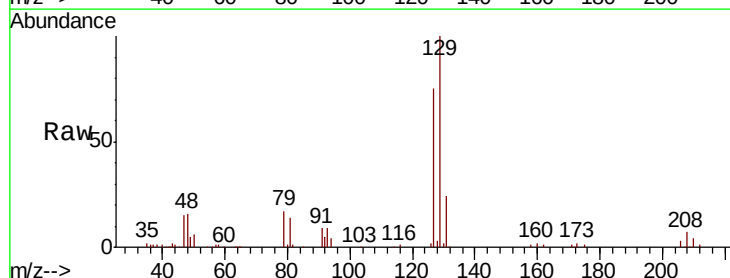
Instrument :
MSVOA_X
ClientSampleId :
VX0510WBSD02

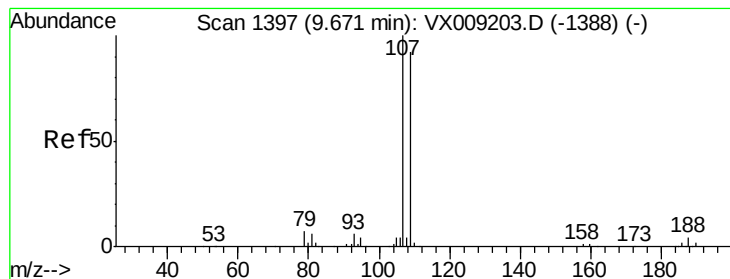
Tot Ion: 43 Resp: 305253
Ion Ratio Lower Upper
43 100
58 51.2 25.9 77.7



#60
Dibromochloromethane
Concen: 21.323 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX009490.D
Acq: 10 May 2019 18:53

Tgt Ion: 129 Resp: 37747
Ion Ratio Lower Upper
129 100
127 78.2 38.4 115.1





#61

1,2-Dibromoethane

Concen: 22.328 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX009490.D

Acq: 10 May 2019 18:53

Instrument :

MSVOA_X

ClientSampleId :

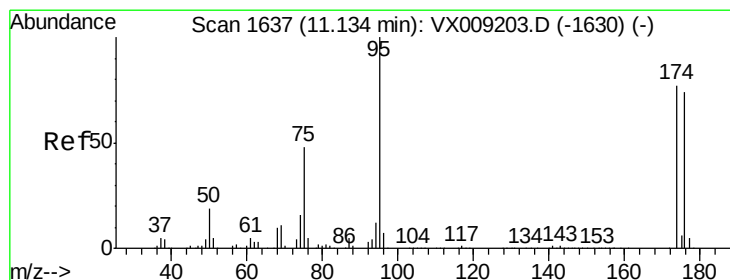
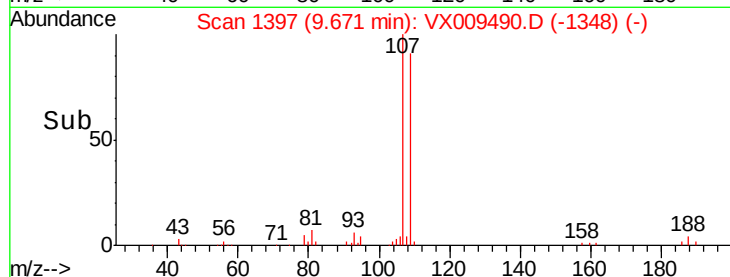
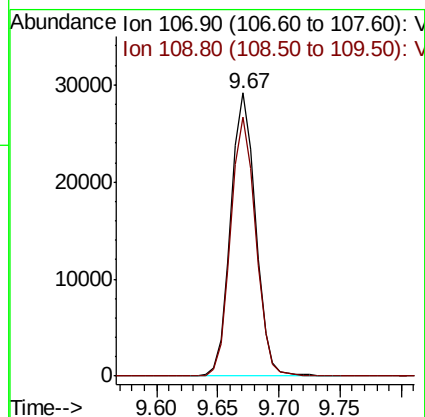
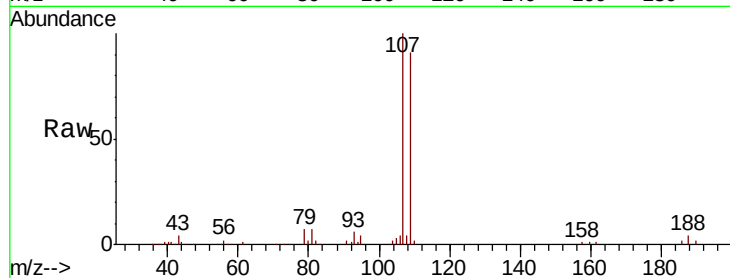
VX0510WBSD02

Tot Ion:107 Resp: 40852

Ion Ratio Lower Upper

107 100

109 92.3 75.2 112.8



#62

4-Bromofluorobenzene

Concen: 51.571 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009490.D

Acq: 10 May 2019 18:53

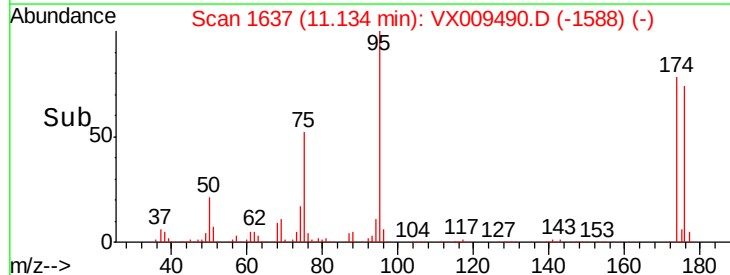
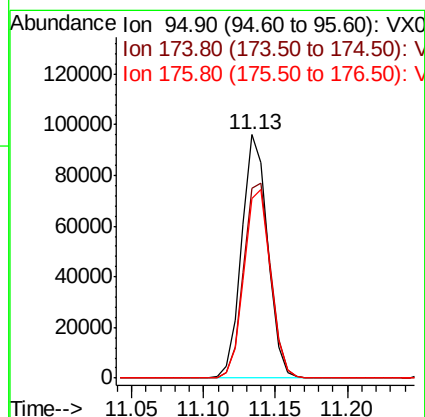
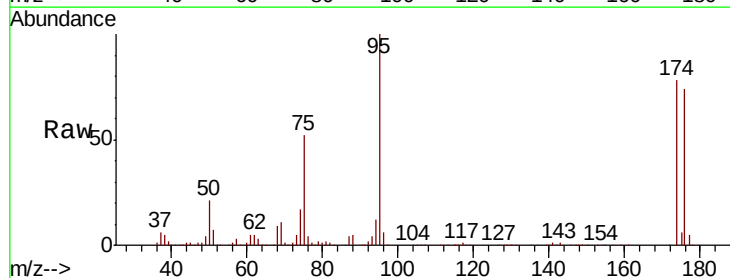
Tgt Ion: 95 Resp: 120859

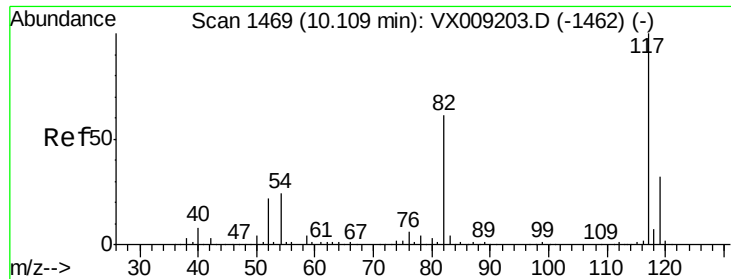
Ion Ratio Lower Upper

95 100

174 82.7 0.0 161.6

176 79.3 0.0 159.2

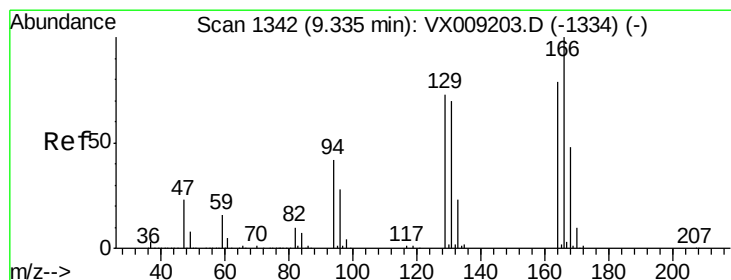
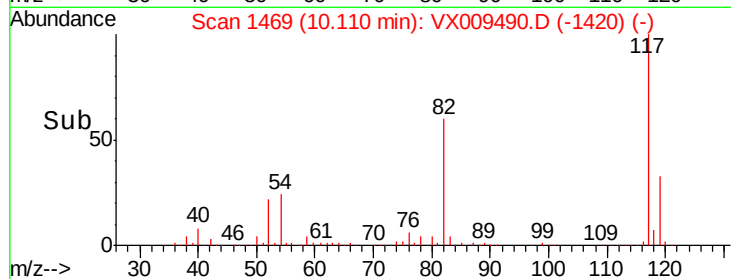
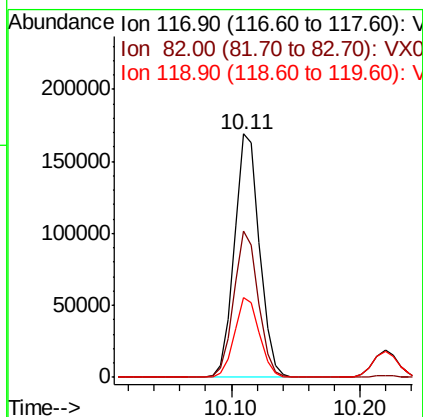
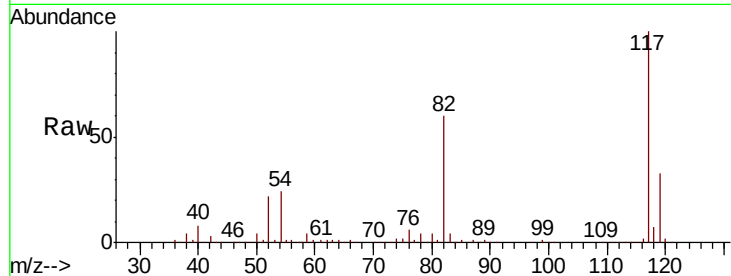




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009490.D
Acq: 10 May 2019 18:53

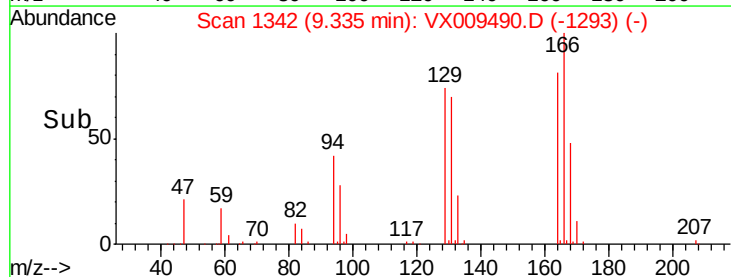
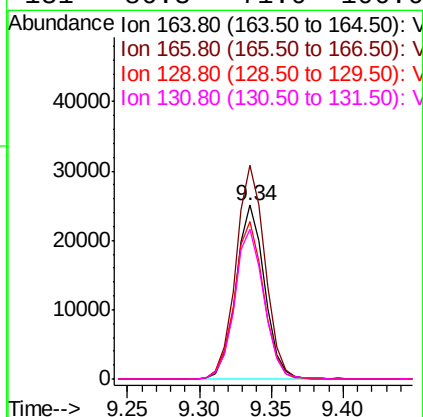
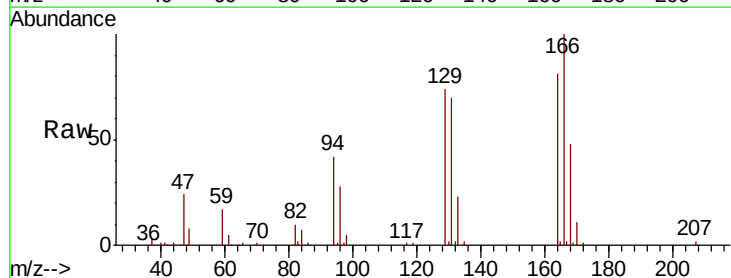
Instrument :
MSVOA_X
ClientSampleId :
VX0510WBSD02

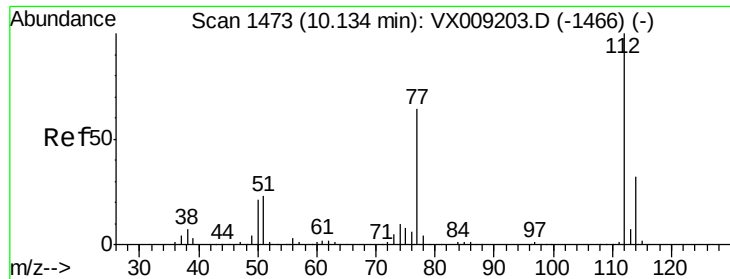
Tot Ion:117 Resp: 229922
Ion Ratio Lower Upper
117 100
82 60.3 48.8 73.2
119 32.7 25.8 38.6



#64
Tetrachloroethene
Concen: 21.970 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX009490.D
Acq: 10 May 2019 18:53

Tgt Ion:164 Resp: 34650
Ion Ratio Lower Upper
164 100
166 122.8 101.2 151.8
129 90.3 74.3 111.5
131 86.3 71.0 106.6

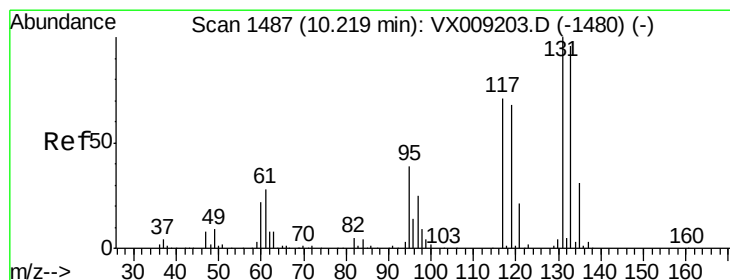
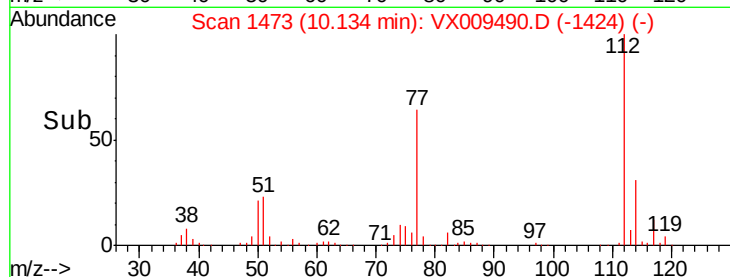
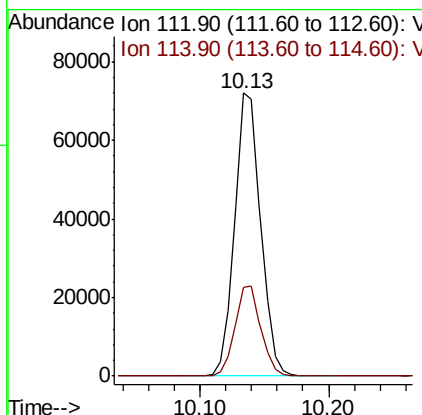
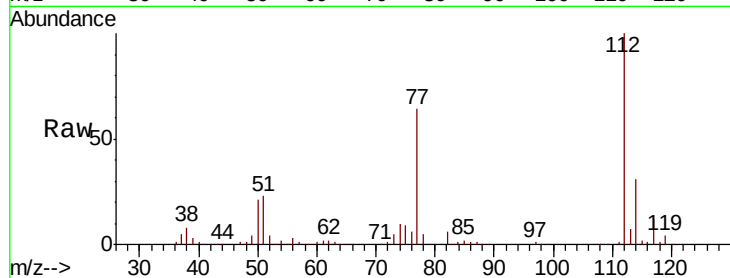




#65
Chlorobenzene
Concen: 22.038 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VX009490.D
Acq: 10 May 2019 18:53

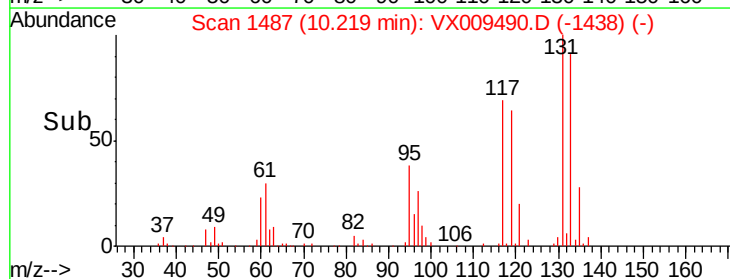
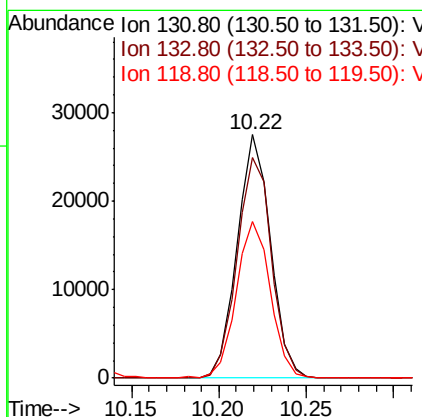
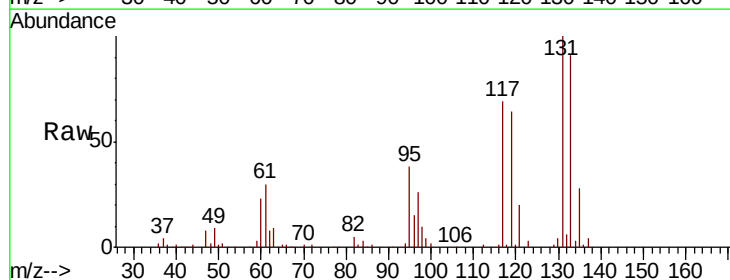
Instrument :
MSVOA_X
ClientSampleId :
VX0510WBSD02

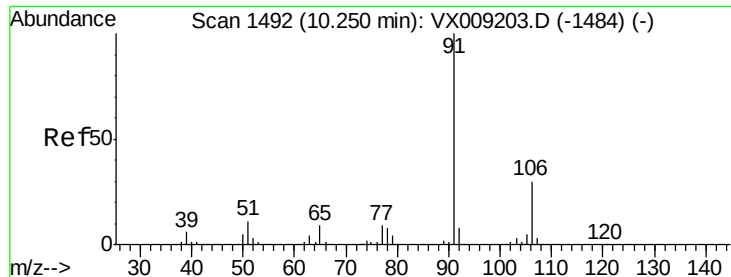
Tot Ion:112 Resp: 101365
Ion Ratio Lower Upper
112 100
114 31.2 25.5 38.3



#66
1,1,1,2-Tetrachloroethane
Concen: 21.865 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX009490.D
Acq: 10 May 2019 18:53

Tgt Ion:131 Resp: 36460
Ion Ratio Lower Upper
131 100
133 93.8 47.7 143.1
119 66.4 33.5 100.4





#67

Ethyl Benzene

Concen: 21.984 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX009490.D

Acq: 10 May 2019 18:53

Instrument :

MSVOA_X

ClientSampleId :

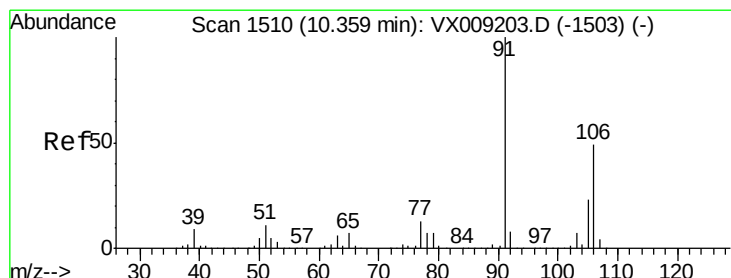
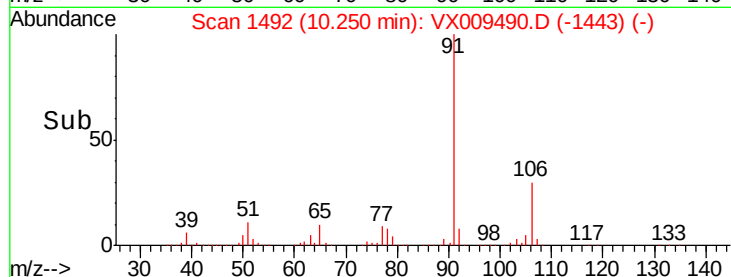
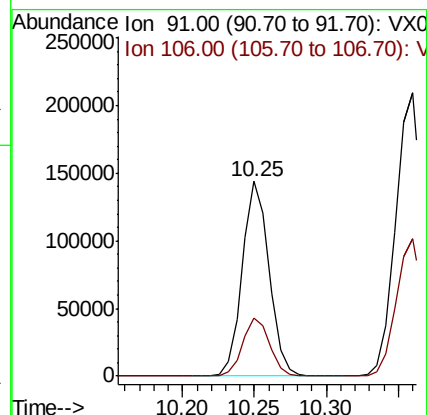
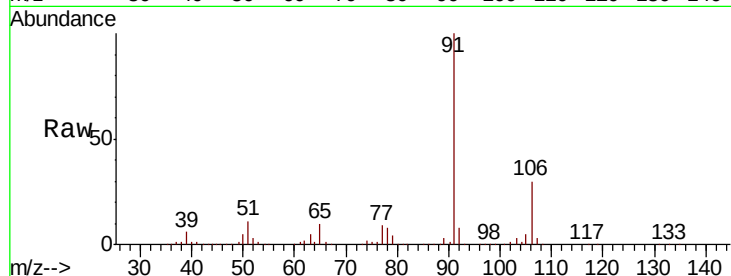
VX0510WBSD02

Tot Ion: 91 Resp: 186093

Ion Ratio Lower Upper

91 100

106 30.1 24.0 36.0



#68

m/p-Xylenes

Concen: 43.779 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX009490.D

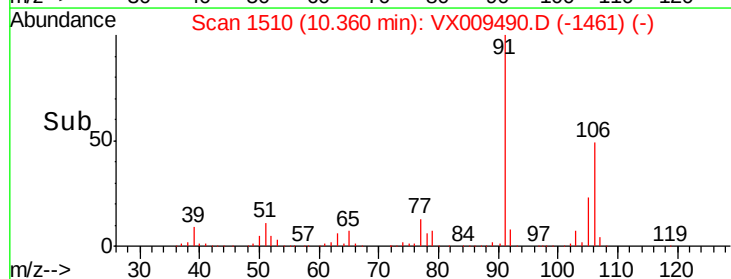
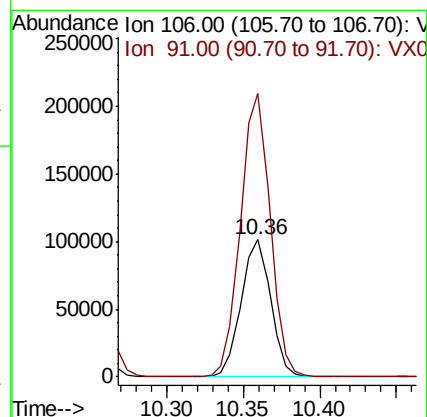
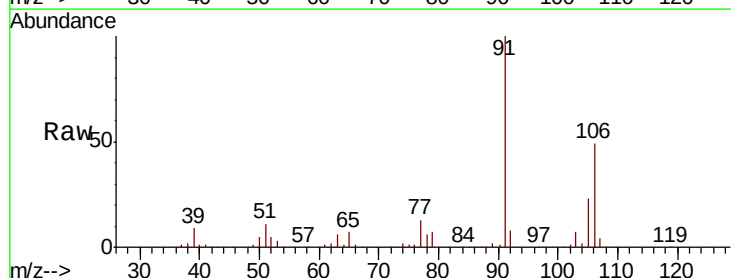
Acq: 10 May 2019 18:53

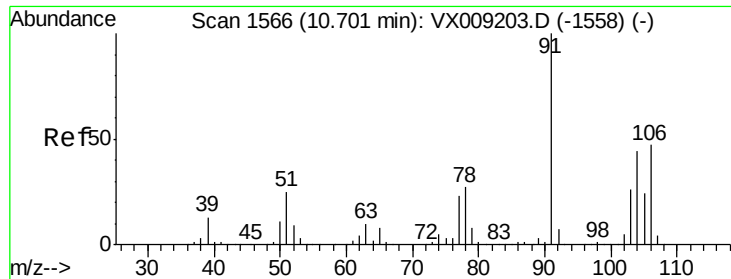
Tgt Ion: 106 Resp: 135423

Ion Ratio Lower Upper

106 100

91 208.4 164.0 246.0

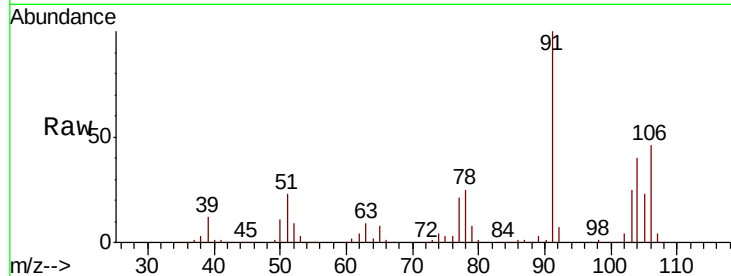




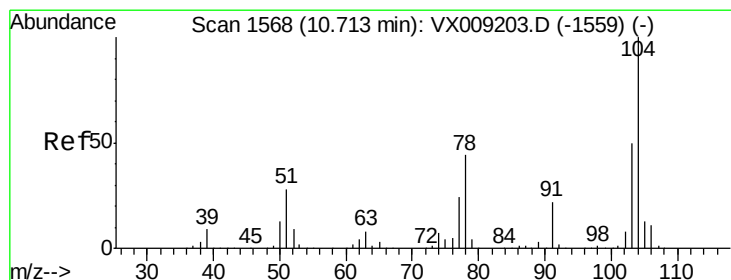
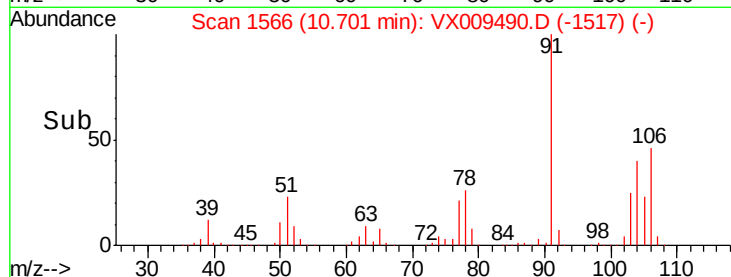
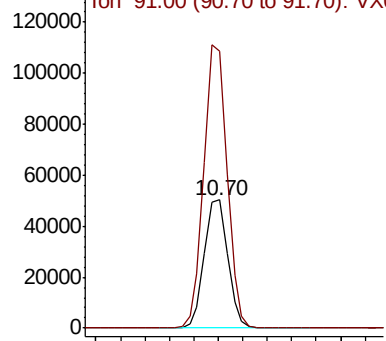
#69
o-Xylene
Concen: 21.917 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX009490.D
Acq: 10 May 2019 18:53

Instrument :
MSVOA_X
ClientSampleId :
VX0510WBSD02

Tot Ion:106 Resp: 66890
Ion Ratio Lower Upper
106 100
91 218.1 109.5 328.4

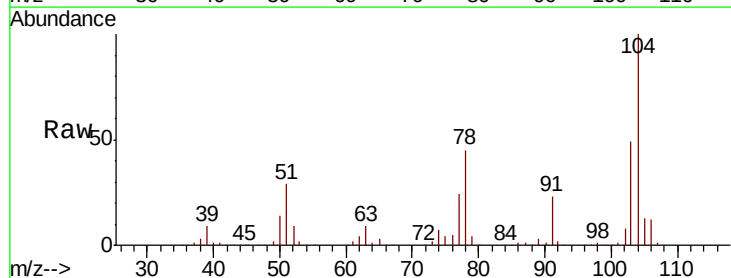


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

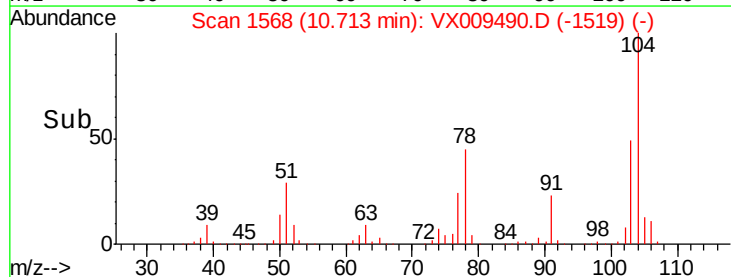
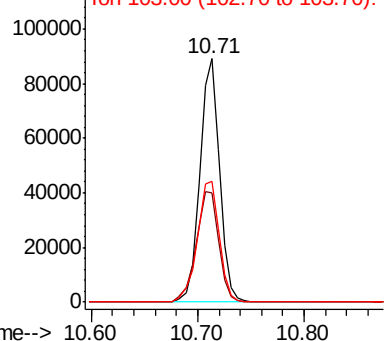


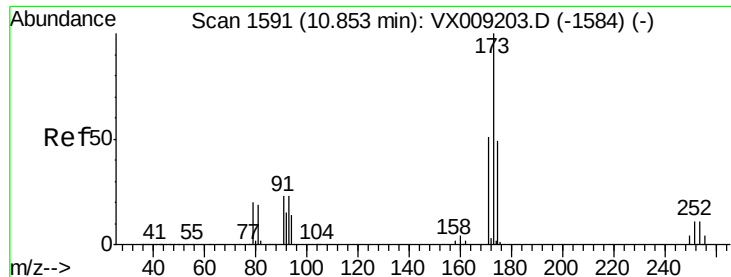
#70
Styrene
Concen: 21.754 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX009490.D
Acq: 10 May 2019 18:53

Tgt Ion:104 Resp: 115397
Ion Ratio Lower Upper
104 100
78 52.2 41.0 61.4
103 55.4 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: 21.310 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX009490.D

Acq: 10 May 2019 18:53

Instrument :

MSVOA_X

ClientSampleId :

VX0510WBSD02

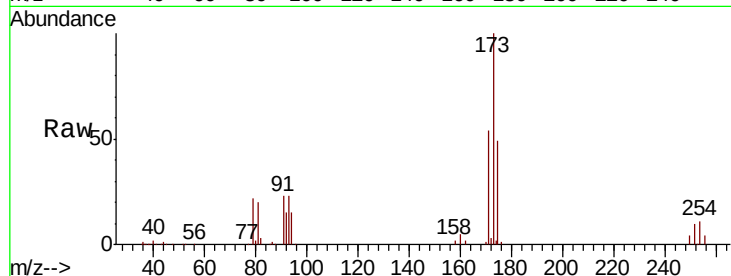
Tot Ion:173 Resp: 28877

Ion Ratio Lower Upper

173 100

175 48.4 24.5 73.5

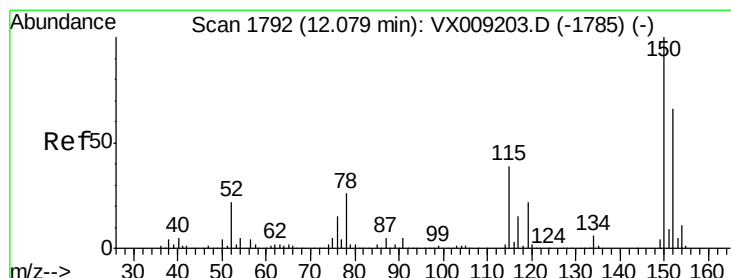
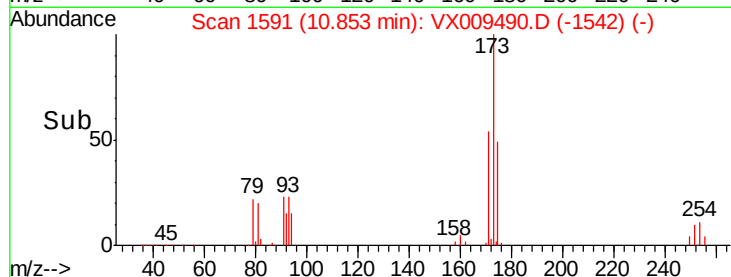
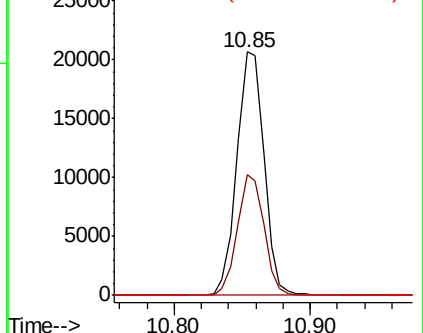
254 0.0 0.1 0.1#



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: VX009490.D

Acq: 10 May 2019 18:53

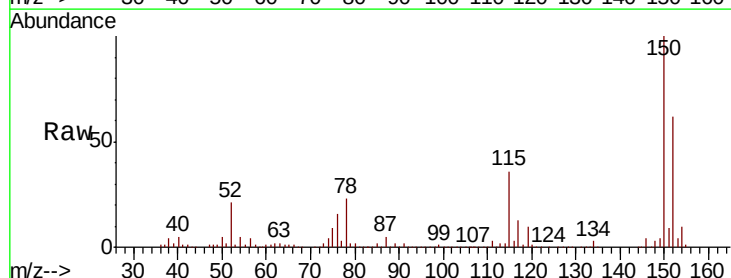
Tgt Ion:152 Resp: 111155

Ion Ratio Lower Upper

152 100

115 68.9 41.2 123.6

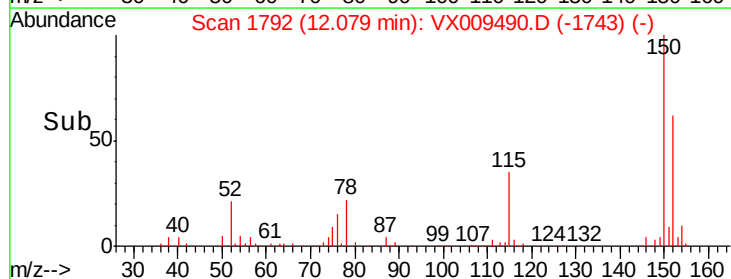
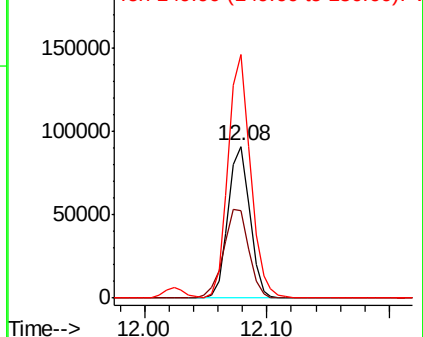
150 165.4 0.0 346.4

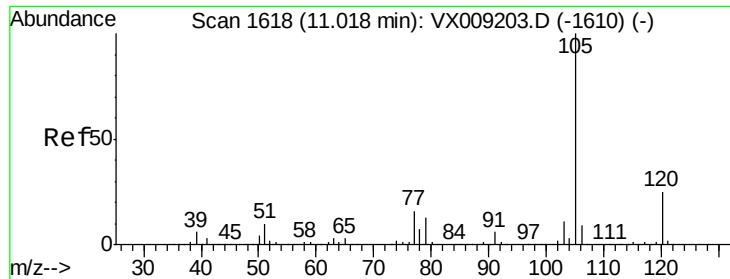


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.957 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX009490.D

Acq: 10 May 2019 18:53

Instrument :

MSVOA_X

ClientSampleId :

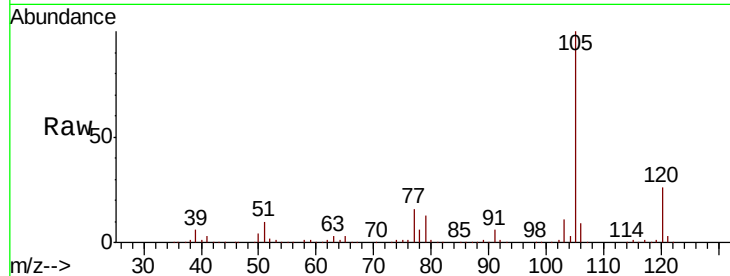
VX0510WBSD02

Tot Ion:105 Resp: 177479

Ion Ratio Lower Upper

105 100

120 25.8 12.8 38.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

150000

100000

50000

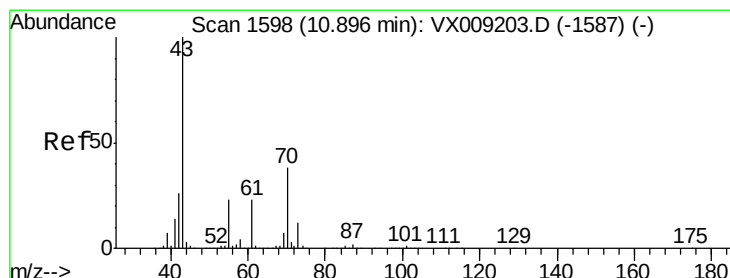
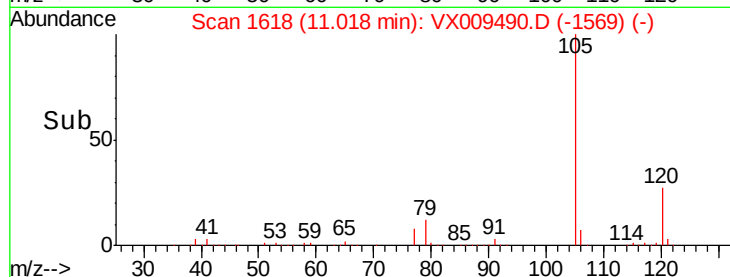
0

11.02

11.00

11.10

Time-->



#74

N-ethyl acetate

Concen: 22.020 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX009490.D

Acq: 10 May 2019 18:53

Tgt Ion: 43 Resp: 103770

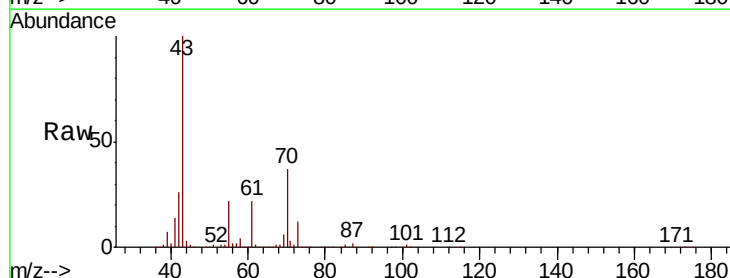
Ion Ratio Lower Upper

43 100

70 37.3 30.0 45.0

55 22.7 17.9 26.9

61 22.7 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

100000

50000

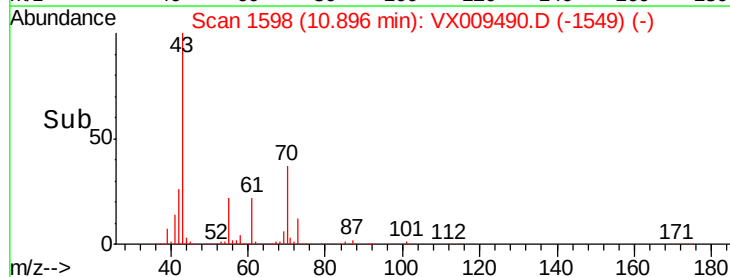
0

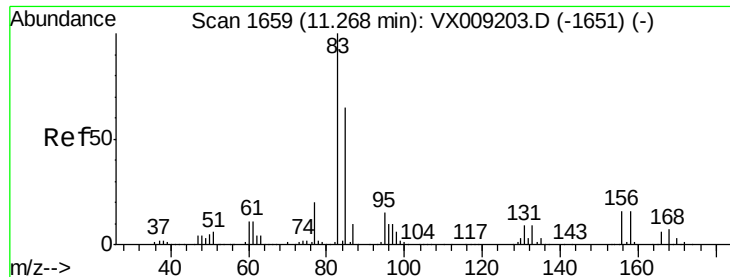
10.90

10.85

10.95

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 21.949 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX009490.D

Acq: 10 May 2019 18:53

Instrument :

MSVOA_X

ClientSampled :

VX0510WBSD02

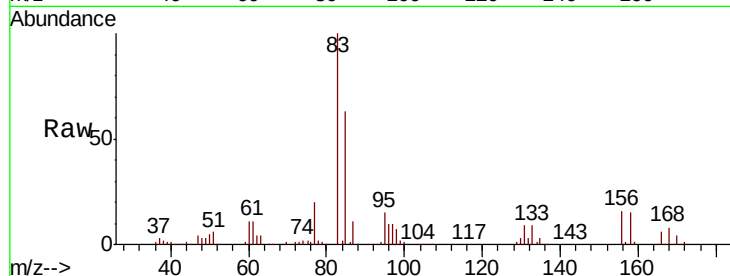
Tot Ion: 83 Resp: 66138

Ion Ratio Lower Upper

83 100

131 9.6 4.6 13.8

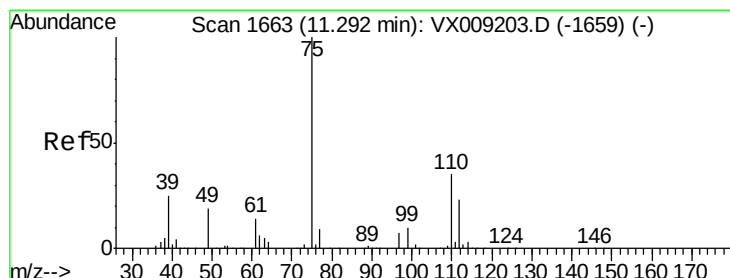
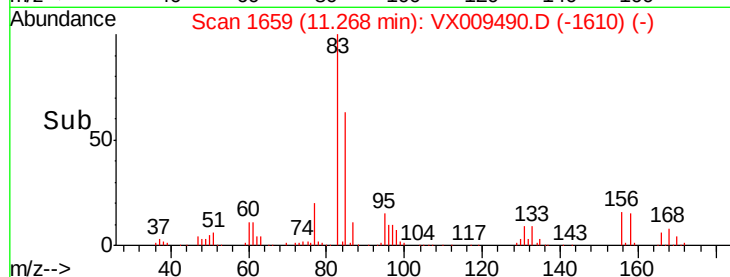
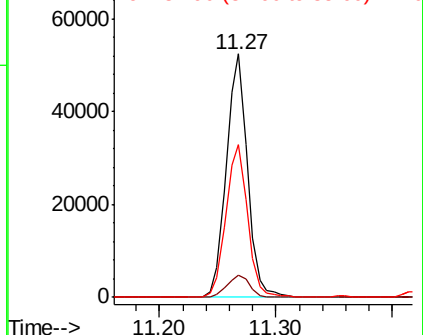
85 64.3 32.0 96.2



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: 29.279 ug/l

RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

Lab File: VX009490.D

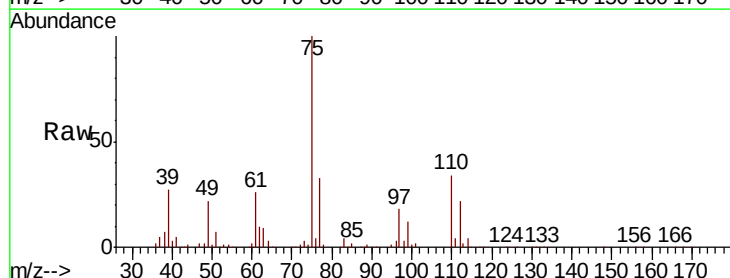
Acq: 10 May 2019 18:53

Tgt Ion: 75 Resp: 75492

Ion Ratio Lower Upper

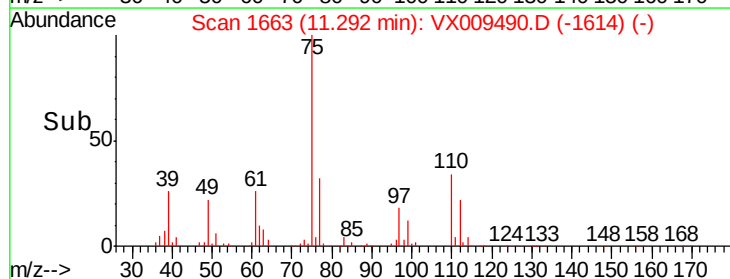
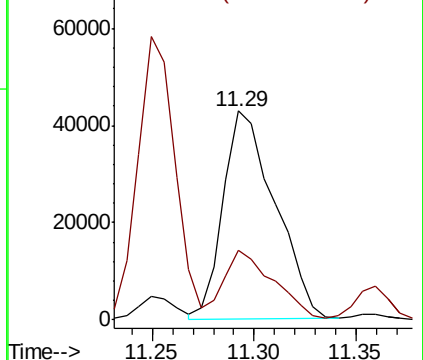
75 100

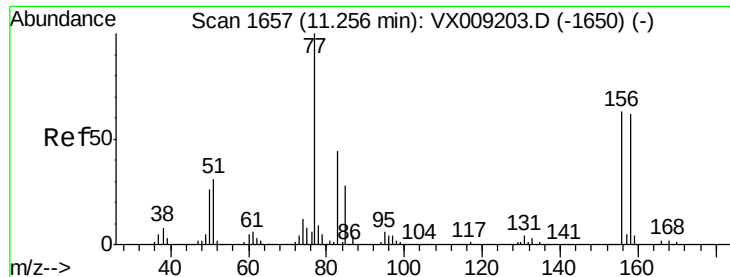
77 32.2 22.1 66.1



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 21.960 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX009490.D

Acq: 10 May 2019 18:53

Instrument :

MSVOA_X

ClientSampleId :

VX0510WBSD02

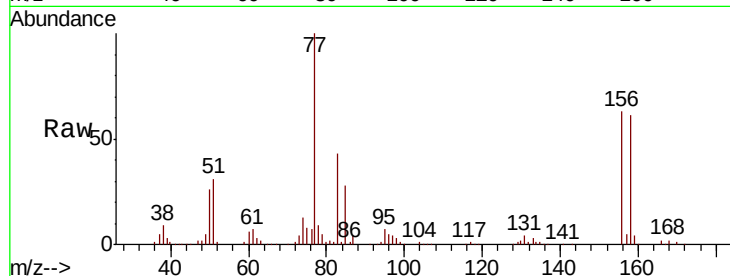
Tot Ion:156 Resp: 44058

Ion Ratio Lower Upper

156 100

77 168.0 84.8 254.3

158 96.9 49.1 147.3

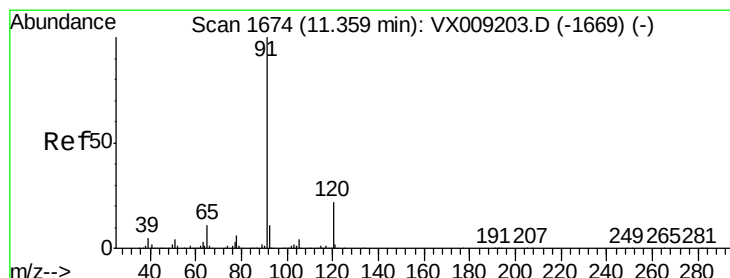
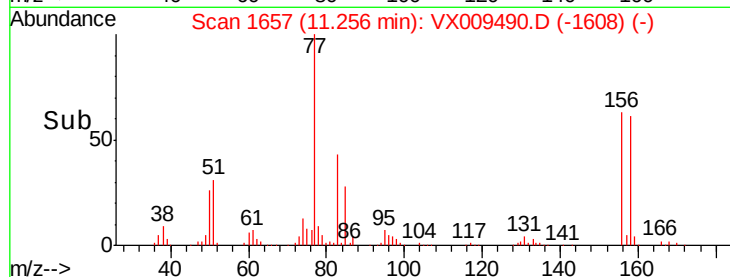
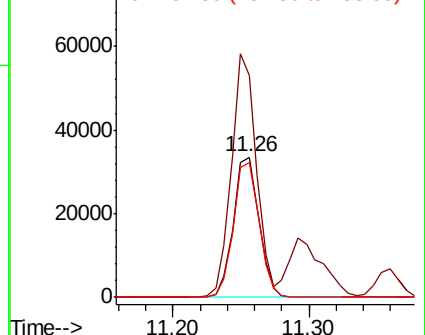


Abundance

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: 21.630 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX009490.D

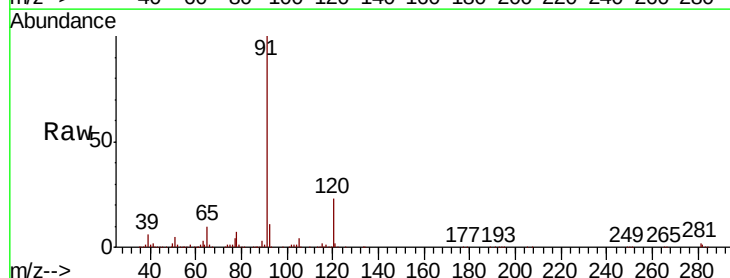
Acq: 10 May 2019 18:53

Tgt Ion: 91 Resp: 199671

Ion Ratio Lower Upper

91 100

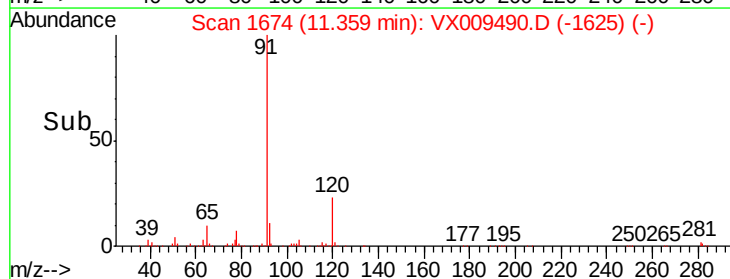
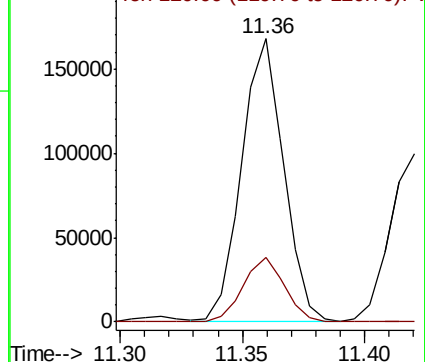
120 22.8 11.0 33.0

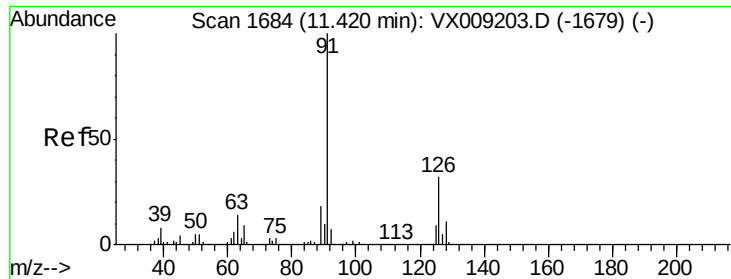


Abundance

Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.524 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX009490.D

Acq: 10 May 2019 18:53

Instrument :

MSVOA_X

ClientSampleId :

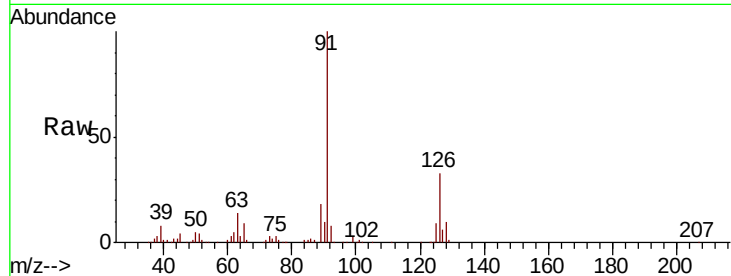
VX0510WBSD02

Tot Ion: 91 Resp: 122582

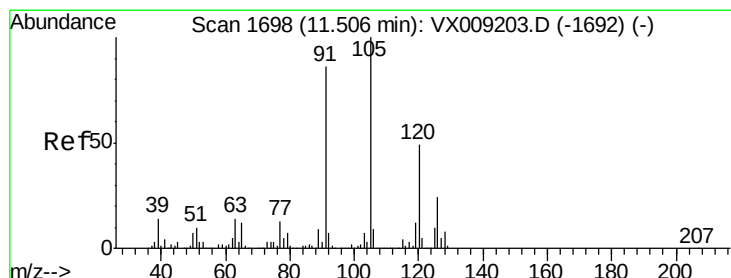
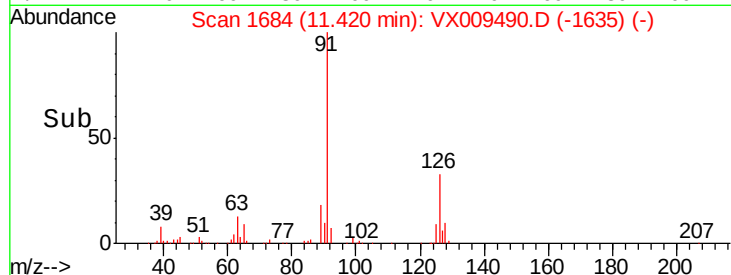
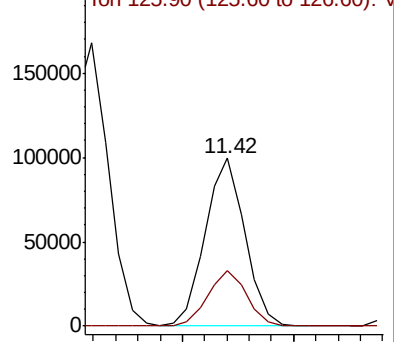
Ion Ratio Lower Upper

91 100

126 32.8 16.3 48.9



Abundance Ion 91.00 (90.70 to 91.70): VX009490.D (-1635) (-)



#80

1,3,5-Trimethylbenzene

Concen: 22.066 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX009490.D

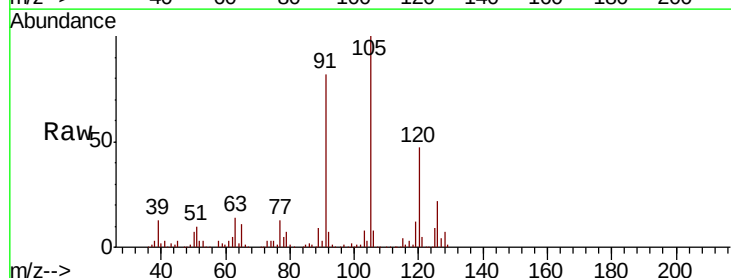
Acq: 10 May 2019 18:53

Tgt Ion:105 Resp: 150184

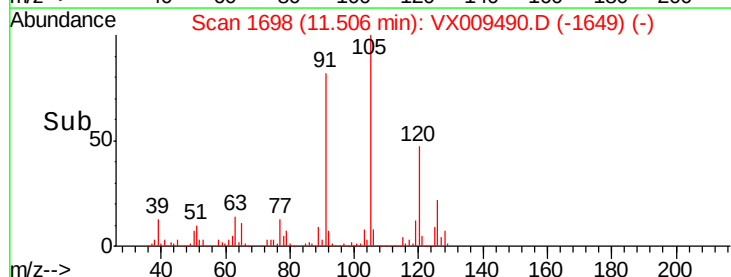
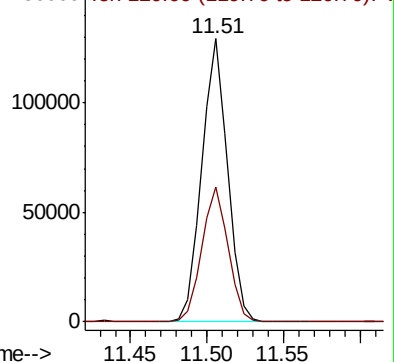
Ion Ratio Lower Upper

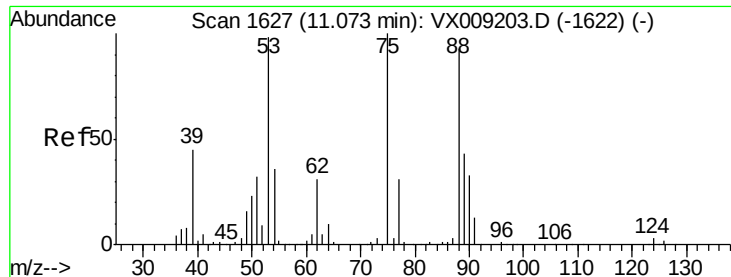
105 100

120 48.6 24.3 72.9



Abundance Ion 105.00 (104.70 to 105.70): VX009490.D (-1649) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 20.339 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX009490.D

Acq: 10 May 2019 18:53

Instrument :

MSVOA_X

ClientSampleId :

VX0510WBSD02

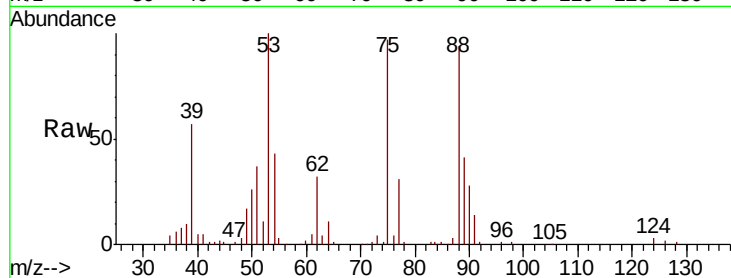
Tot Ion: 75 Resp: 20496

Ion Ratio Lower Upper

75 100

53 105.3 79.0 118.6

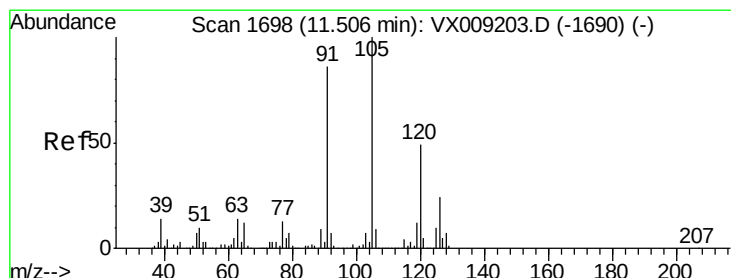
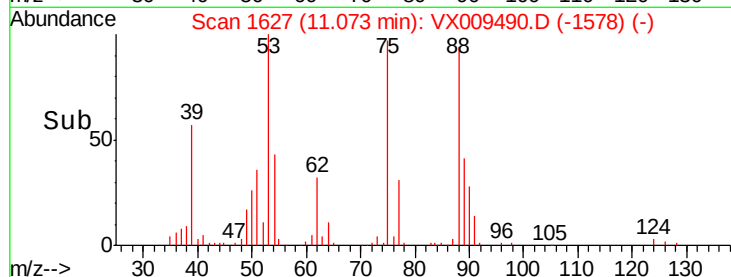
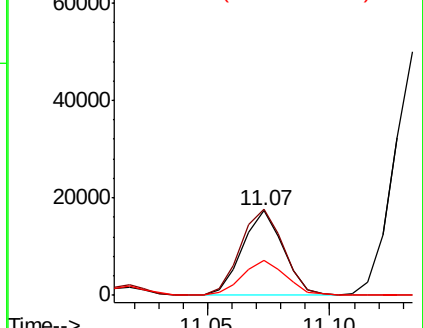
89 44.0 34.7 52.1



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 21.373 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.01 min

Lab File: VX009490.D

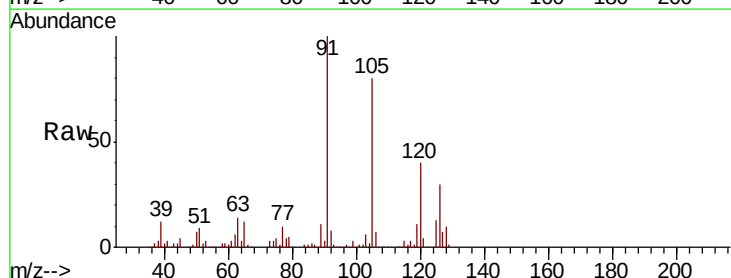
Acq: 10 May 2019 18:53

Tgt Ion: 91 Resp: 137512

Ion Ratio Lower Upper

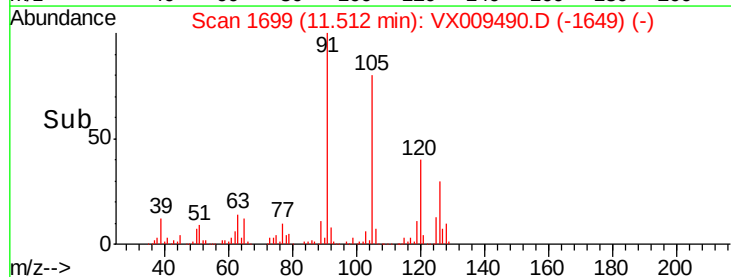
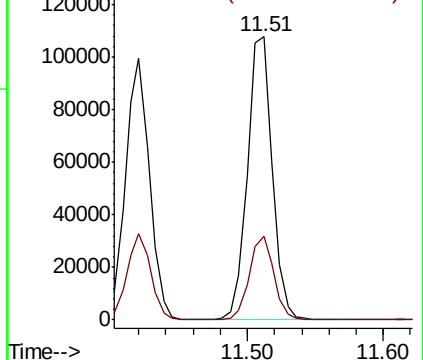
91 100

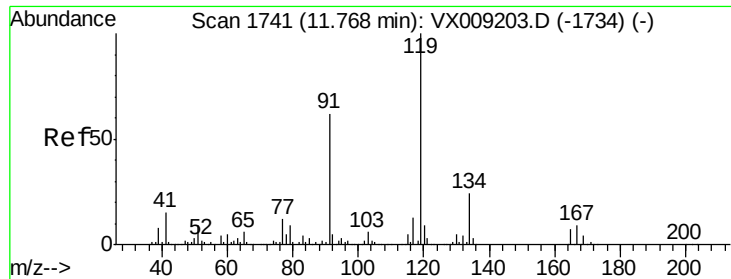
126 29.3 14.5 43.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

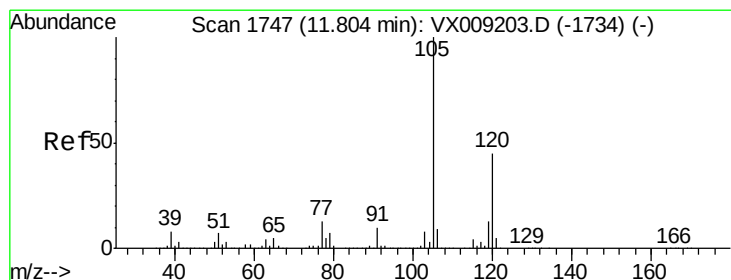
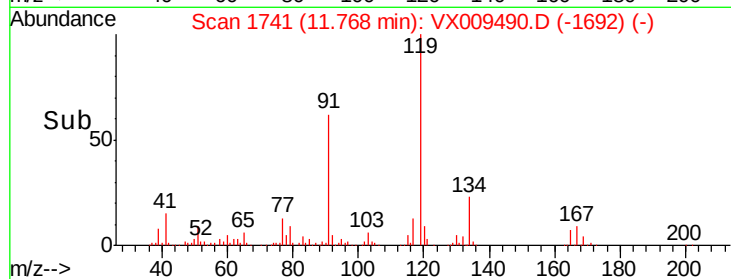
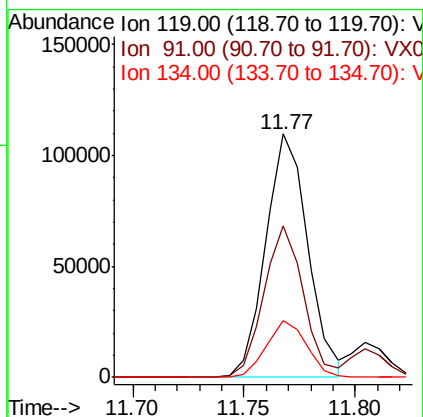
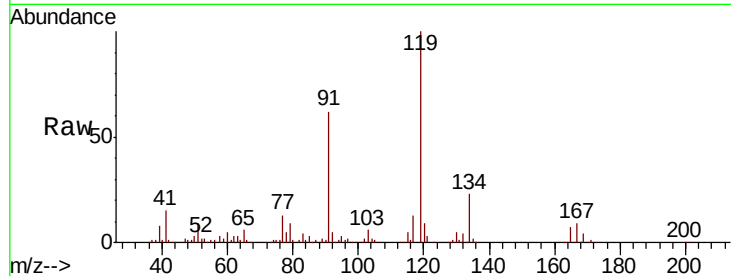




#83
 tert-Butylbenzene
 Concen: 21.722 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX009490.D
 Acq: 10 May 2019 18:53

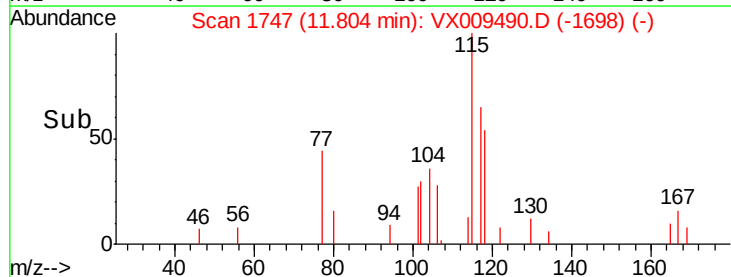
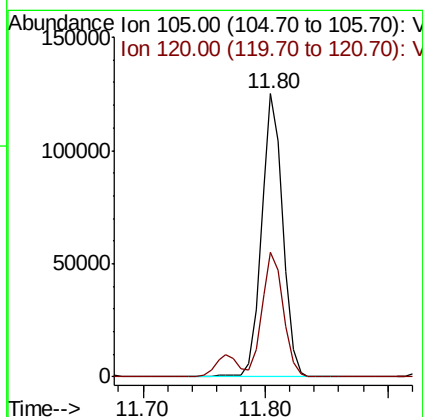
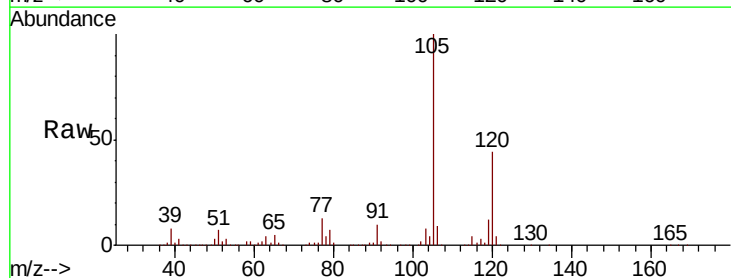
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0510WBSD02

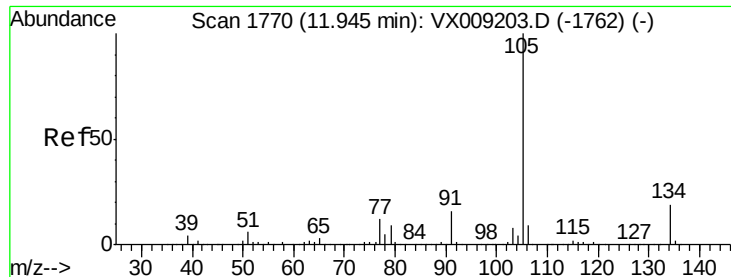
Tot Ion	Ratio	Lower	Upper
119	100		
91	58.9	29.5	88.5
134	22.6	11.4	34.1



#84
 1,2,4-Trimethylbenzene
 Concen: 22.169 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX009490.D
 Acq: 10 May 2019 18:53

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.7	22.0	66.0





#85

sec-Butylbenzene

Concen: 21.657 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX009490.D

Acq: 10 May 2019 18:53

Instrument :

MSVOA_X

ClientSampleId :

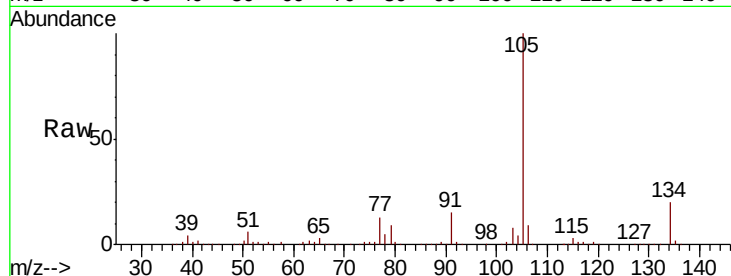
VX0510WBSD02

Tot Ion:105 Resp: 169995

Ion Ratio Lower Upper

105 100

134 19.4 9.7 28.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

150000

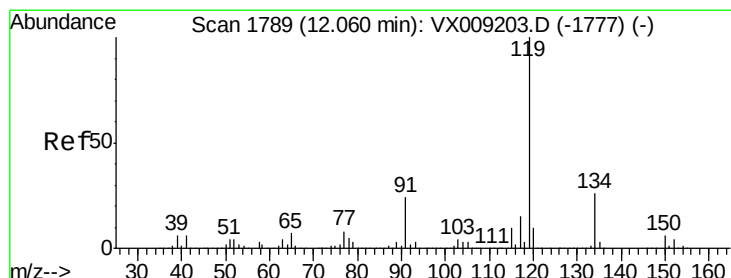
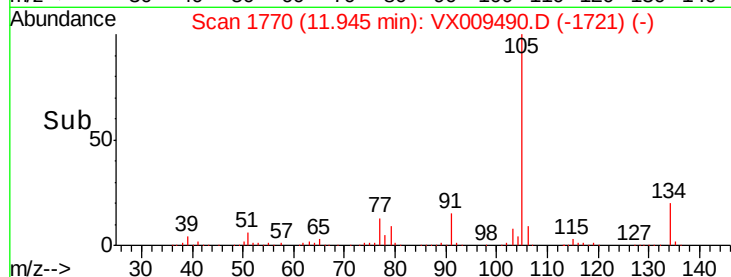
100000

50000

0

Time-->

11.90 11.95 12.00



#86

p-Isopropyltoluene

Concen: 21.777 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX009490.D

Acq: 10 May 2019 18:53

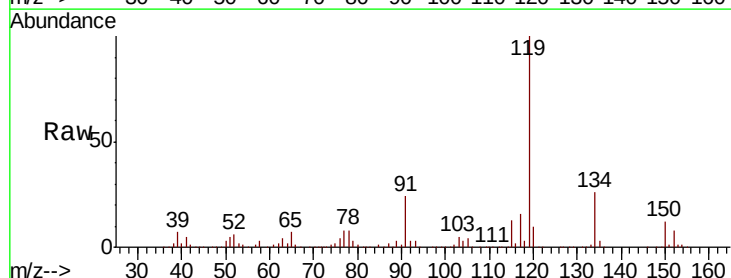
Tgt Ion:119 Resp: 153669

Ion Ratio Lower Upper

119 100

134 26.2 12.9 38.7

91 24.4 11.8 35.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

12.06

150000

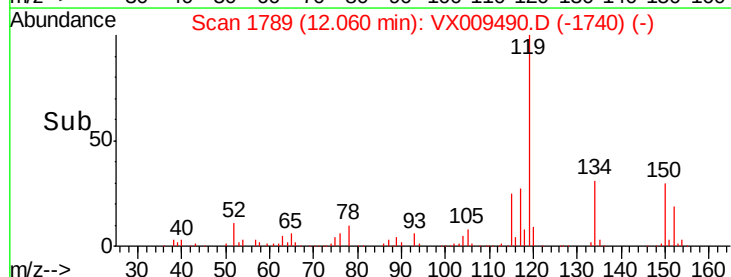
100000

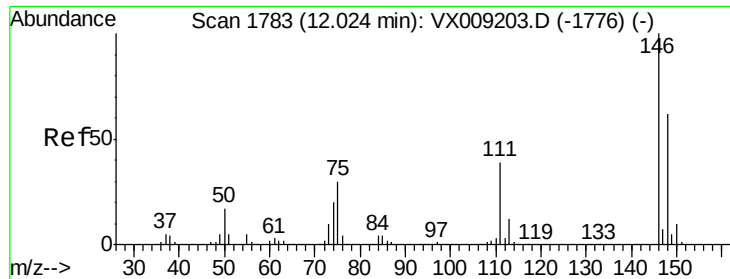
50000

0

Time-->

12.00 12.10 12.20

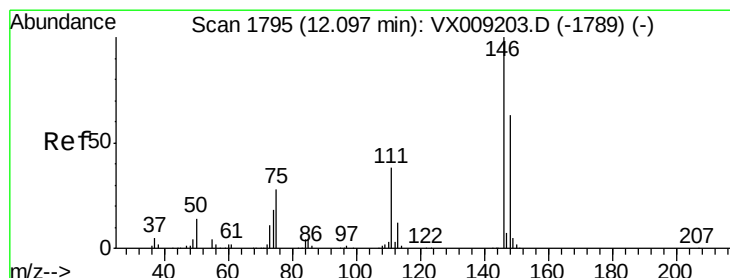
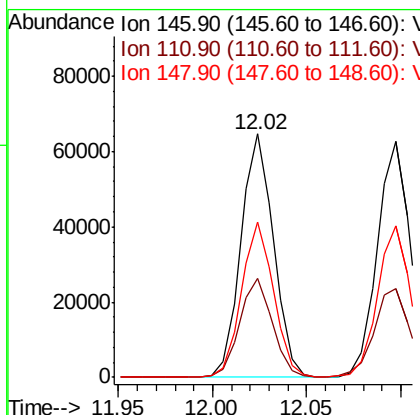
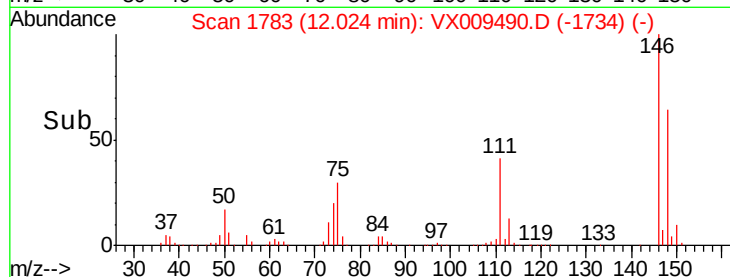
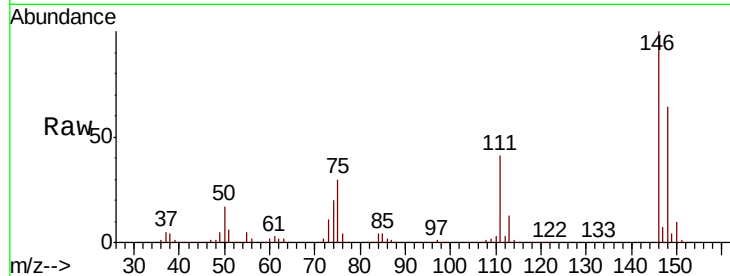




#87
 1,3-Dichlorobenzene
 Concen: 21.694 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX009490.D
 Acq: 10 May 2019 18:53

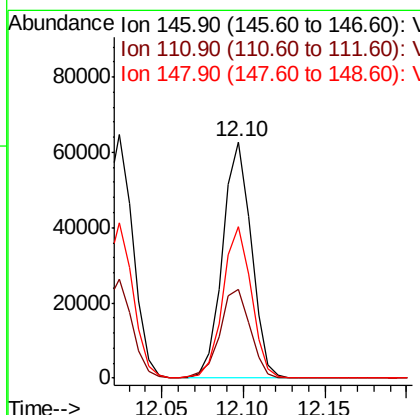
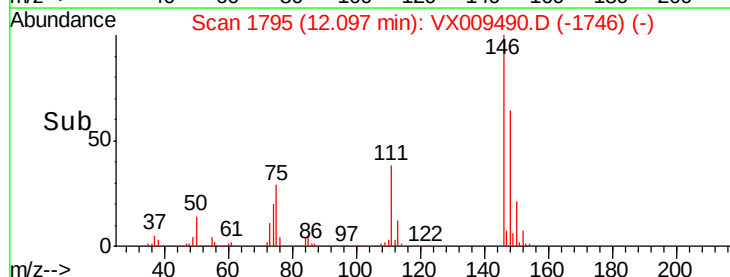
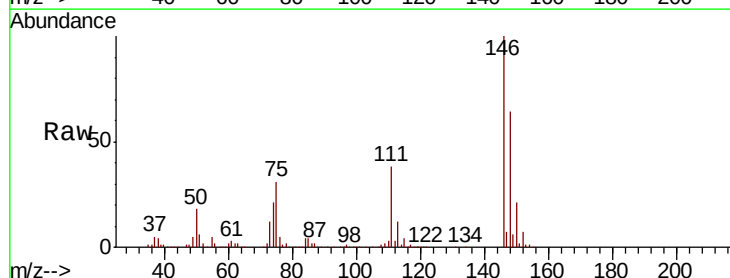
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0510WBSD02

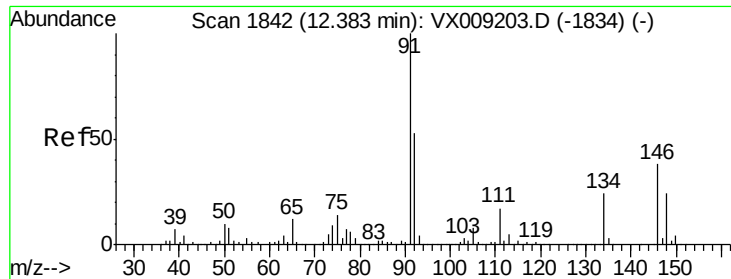
Tot Ion:146 Resp: 77589
 Ion Ratio Lower Upper
 146 100
 111 40.7 20.0 59.9
 148 63.0 31.8 95.3



#88
 1,4-Dichlorobenzene
 Concen: 21.312 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX009490.D
 Acq: 10 May 2019 18:53

Tgt Ion:146 Resp: 76847
 Ion Ratio Lower Upper
 146 100
 111 40.2 19.6 58.8
 148 63.7 31.8 95.3





#89

n-Butylbenzene

Concen: 21.501 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. 0.00 min

Lab File: VX009490.D

Acq: 10 May 2019 18:53

Instrument :

MSVOA_X

ClientSampleId :

VX0510WBSD02

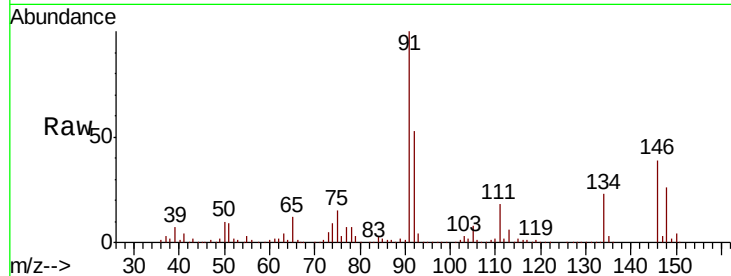
Tot Ion: 91 Resp: 137136

Ion Ratio Lower Upper

91 100

92 52.6 26.5 79.5

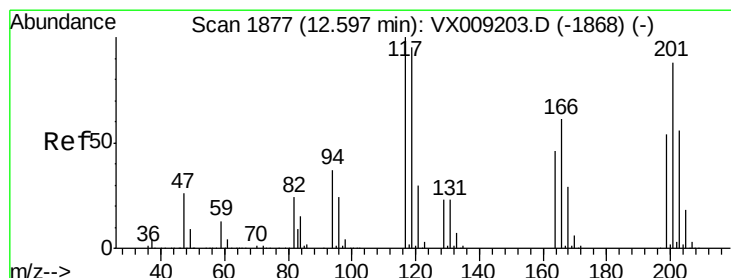
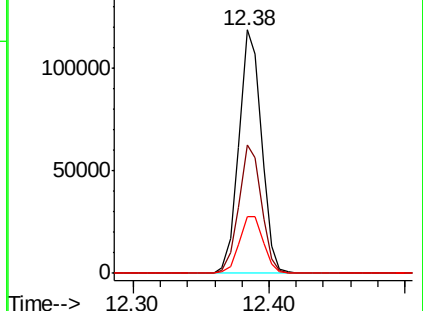
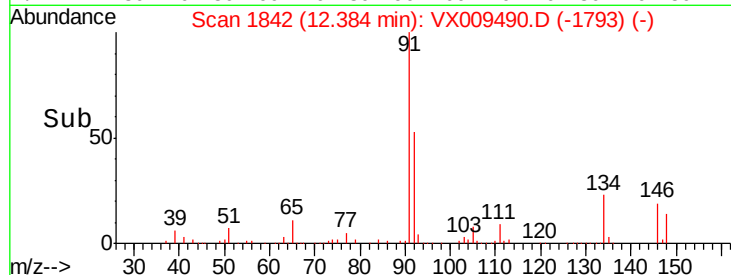
134 24.9 12.4 37.2



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 21.545 ug/l

RT: 12.60 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VX009490.D

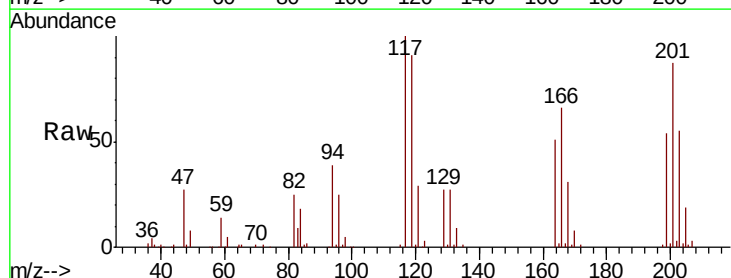
Acq: 10 May 2019 18:53

Tgt Ion: 117 Resp: 25902

Ion Ratio Lower Upper

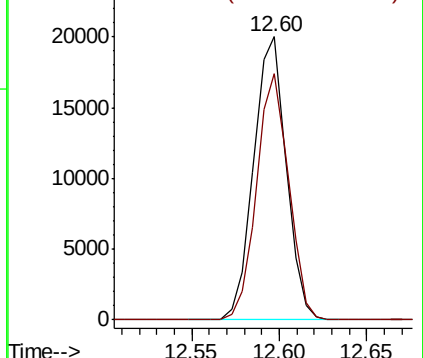
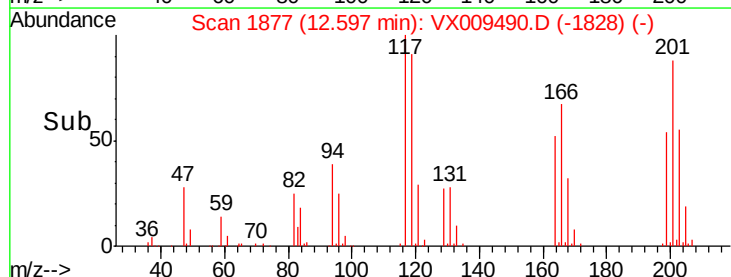
117 100

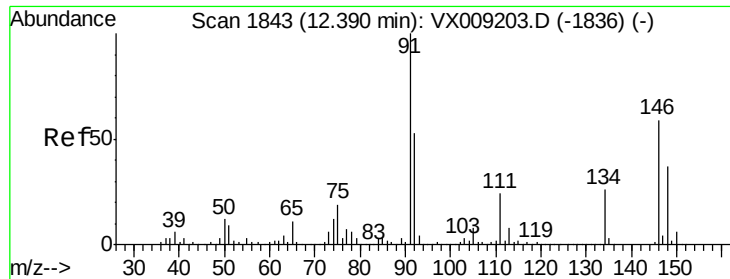
201 85.9 42.3 126.9



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

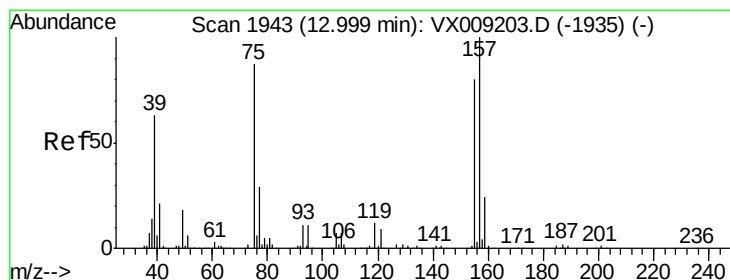
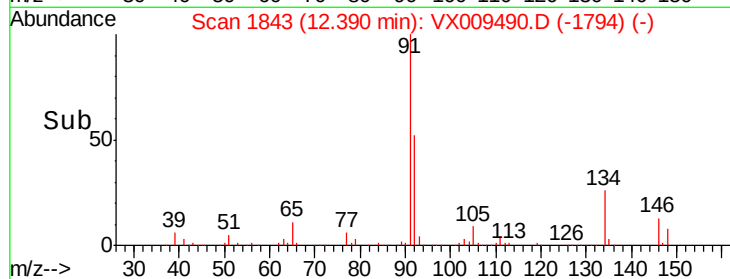
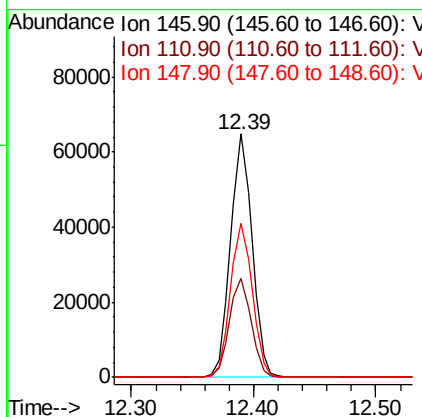
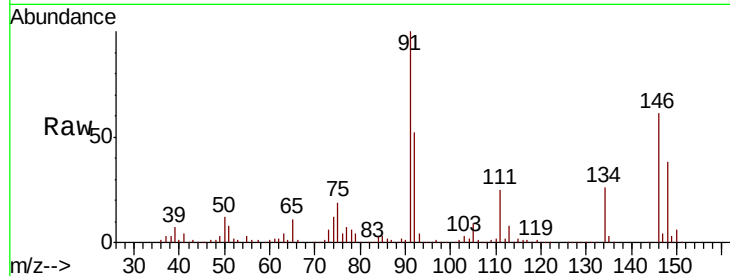




#91
 1,2-Dichlorobenzene
 Concen: 21.622 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX009490.D
 Acq: 10 May 2019 18:53

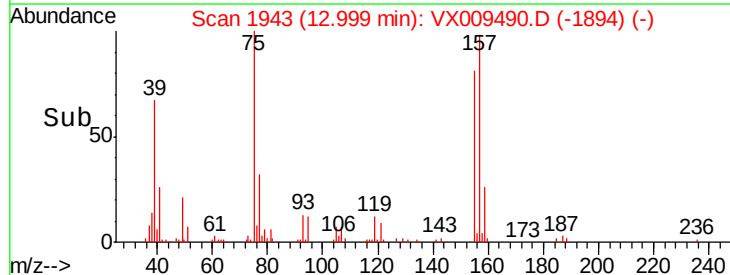
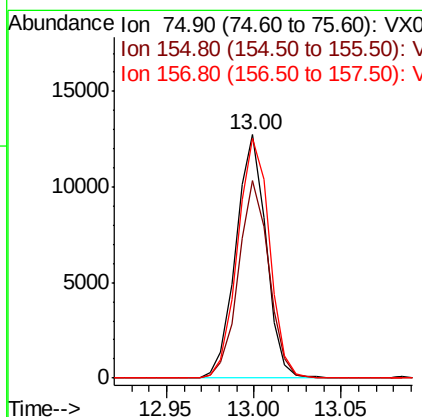
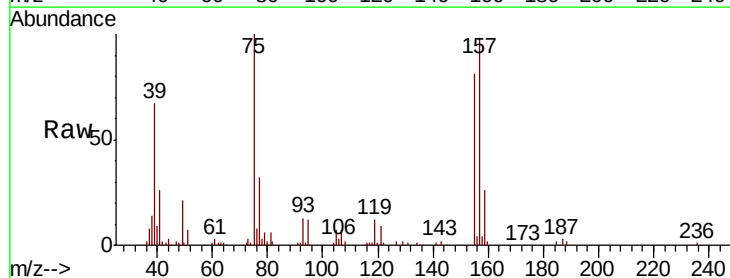
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0510WBSD02

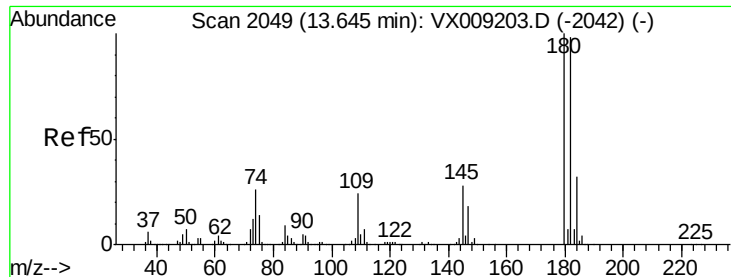
Tot Ion:146 Resp: 78765
 Ion Ratio Lower Upper
 146 100
 111 41.0 20.8 62.4
 148 64.0 31.9 95.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.635 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX009490.D
 Acq: 10 May 2019 18:53

Tgt Ion: 75 Resp: 15300
 Ion Ratio Lower Upper
 75 100
 155 81.6 42.0 126.0
 157 103.7 53.2 159.6

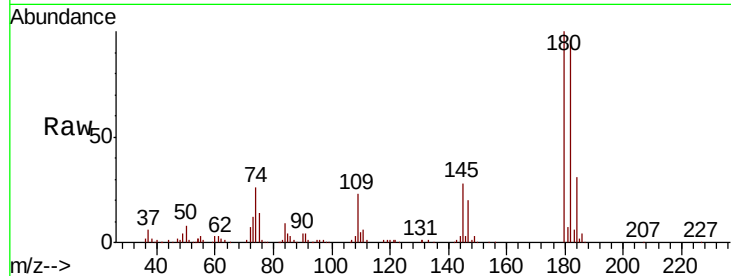




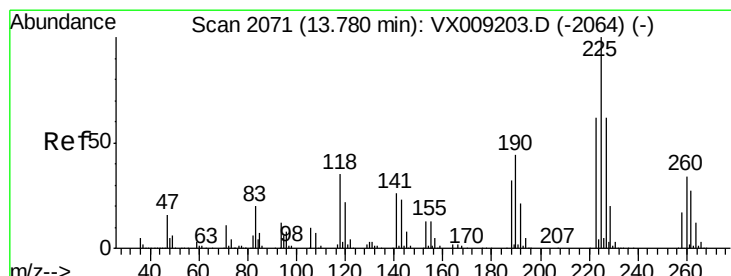
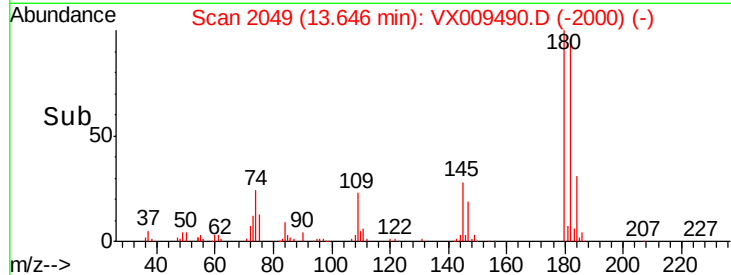
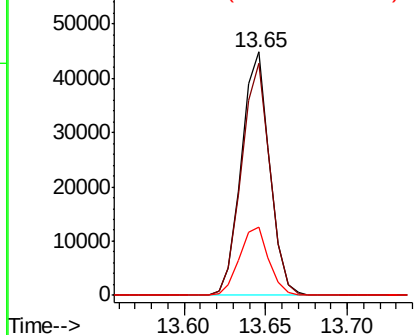
#93
 1,2,4-Trichlorobenzene
 Concen: 21.805 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX009490.D
 Acq: 10 May 2019 18:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0510WBSD02

Tot Ion:	180	Resp:	54319
Ion	Ratio	Lower	Upper
180	100		
182	96.0	48.4	145.2
145	29.0	14.6	43.8

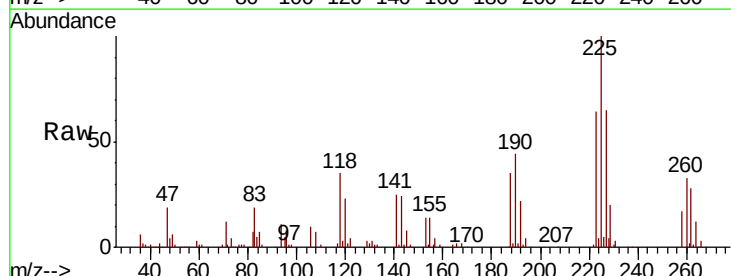


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

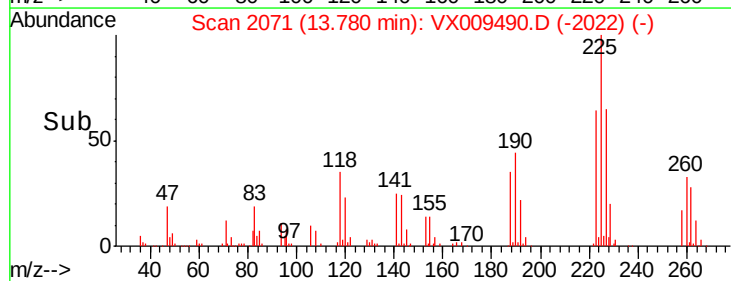
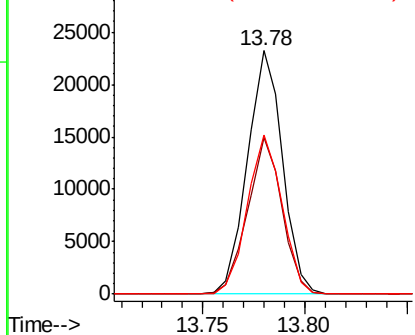


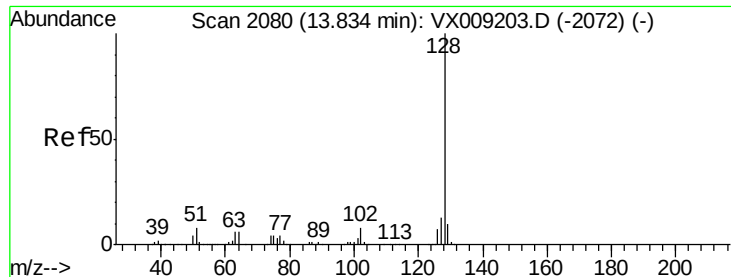
#94
 Hexachlorobutadiene
 Concen: 21.810 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX009490.D
 Acq: 10 May 2019 18:53

Tgt Ion:	225	Resp:	27744
Ion	Ratio	Lower	Upper
225	100		
223	63.2	31.3	93.8
227	64.9	31.8	95.3



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

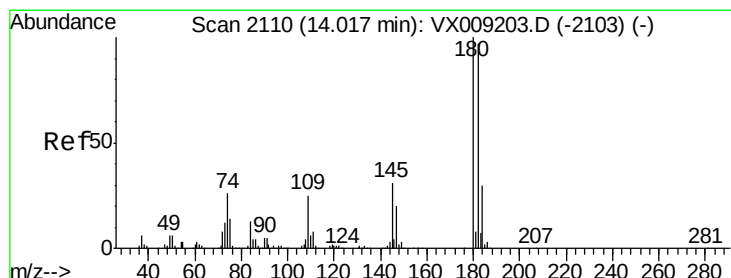
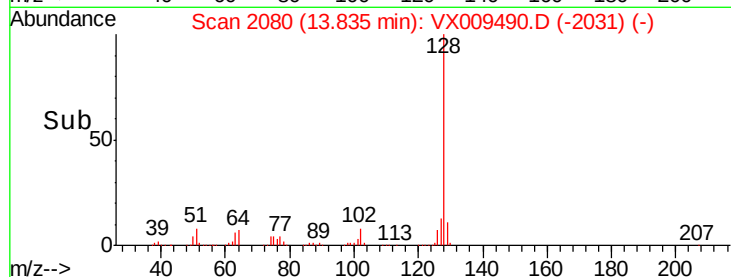
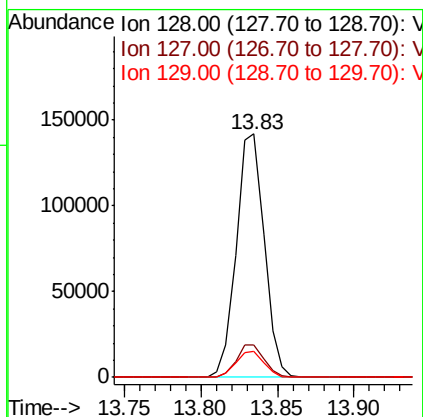
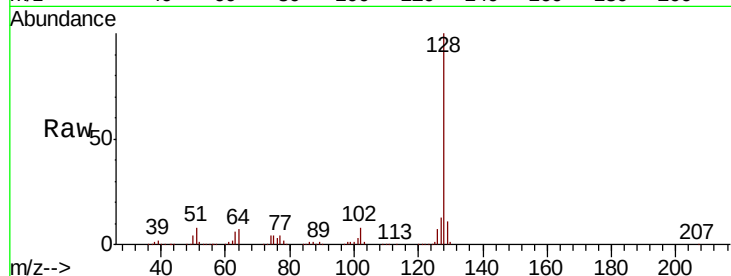




#95
Naphthalene
Concen: 22.265 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX009490.D
Acq: 10 May 2019 18:53

Instrument :
MSVOA_X
ClientSampleId :
VX0510WBSD02

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.4	15.6
129	10.8	8.6	13.0



#96
1,2,3-Trichlorobenzene
Concen: 22.448 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX009490.D
Acq: 10 May 2019 18:53

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.4	47.8	143.4
145	30.5	15.4	46.4

