

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX040519\
 Data File : VX008693.D
 Acq On : 05 Apr 2019 19:43
 Operator : JC/SP
 Sample : VX0405WBSD02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0405WBSD02

Quant Time: Apr 06 01:27:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X040319W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 04 04:47:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	175248	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	295416	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	263301	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	121578	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	120768	47.25	ug/l	0.00
Spiked Amount			Recovery	=	94.50%	
35) Dibromofluoromethane	5.50	113	89135	47.19	ug/l	0.00
Spiked Amount			Recovery	=	94.38%	
50) Toluene-d8	8.71	98	363482	48.33	ug/l	0.00
Spiked Amount			Recovery	=	96.66%	
62) 4-Bromofluorobenzene	11.13	95	130079	48.77	ug/l	0.00
Spiked Amount			Recovery	=	97.54%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	33391	16.553	ug/l	96
3) Chloromethane	1.32	50	48126	18.399	ug/l	100
4) Vinyl Chloride	1.40	62	46545	17.068	ug/l	100
5) Bromomethane	1.64	94	21174	17.053	ug/l	98
6) Chloroethane	1.72	64	32514	20.016	ug/l	99
7) Trichlorofluoromethane	1.93	101	52606	17.451	ug/l	98
8) Diethyl Ether	2.18	74	24552	17.175	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.39	101	32608	16.801	ug/l	100
10) Methyl Iodide	2.51	142	23578	16.274	ug/l	99
11) Tert butyl alcohol	3.04	59	54563	91.179	ug/l	100
12) 1,1-Dichloroethene	2.37	96	34464	17.011	ug/l	99
13) Acrolein	2.29	56	44905	151.335	ug/l	98
14) Allyl chloride	2.73	41	78742	16.977	ug/l	99
15) Acrylonitrile	3.14	53	138314	87.248	ug/l	100
16) Acetone	2.44	43	119506	81.173	ug/l	99
17) Carbon Disulfide	2.57	76	99632	16.534	ug/l	99
18) Methyl Acetate	2.77	43	61441	17.208	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	131410	18.162	ug/l	100
20) Methylene Chloride	2.85	84	42503	17.247	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	36794	16.790	ug/l	93
22) Diisopropyl ether	3.85	45	158823	17.767	ug/l	90
23) Vinyl Acetate	3.81	43	694585	89.316	ug/l	99
24) 1,1-Dichloroethane	3.70	63	78815	17.807	ug/l	98
25) 2-Butanone	4.67	43	201537	86.611	ug/l	100
26) 2,2-Dichloropropane	4.58	77	50862	16.316	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	43707	17.347	ug/l	98
28) Bromochloromethane	5.01	49	37842	18.565	ug/l	100
29) Tetrahydrofuran	5.13	42	134178	86.879	ug/l	100
30) Chloroform	5.21	83	69421	17.561	ug/l	100
31) Cyclohexane	5.57	56	74416	16.850	ug/l	98
32) 1,1,1-Trichloroethane	5.50	97	55401	17.342	ug/l	99
36) 1,1-Dichloropropene	5.80	75	53716	16.634	ug/l	99
37) Ethyl Acetate	4.83	43	75834	17.594	ug/l	98
38) Carbon Tetrachloride	5.79	117	46305	17.325	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	65182	16.340	ug/l	98
40) Benzene	6.14	78	167233	17.384	ug/l	99
41) Methacrylonitrile	5.04	41	42417	17.120	ug/l	97
42) 1,2-Dichloroethane	6.19	62	59758	17.327	ug/l	99
43) Isopropyl Acetate	6.45	43	119499	17.698	ug/l	100
44) Trichloroethene	7.21	130	38458	17.164	ug/l	96
45) 1,2-Dichloropropane	7.51	63	48054	17.501	ug/l	99
46) Dibromomethane	7.66	93	26388	16.570	ug/l	98
47) Bromodichloromethane	7.90	83	52051	17.335	ug/l	98
48) Methyl methacrylate	7.77	41	60586	17.738	ug/l	99
49) 1,4-Dioxane	7.74	88	23972	374.663	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	393444	90.518	ug/l	100
52) Toluene	8.79	92	100458	17.713	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	57458	17.083	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	65304	16.992	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	41165	18.082	ug/l	97
56) Ethyl methacrylate	9.18	69	75378	18.299	ug/l	98
57) 1,3-Dichloropropane	9.37	76	71966	17.604	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	202235	96.151	ug/l	99
59) 2-Hexanone	9.49	43	306634	90.776	ug/l	100
60) Dibromochloromethane	9.58	129	37745	17.594	ug/l	99
61) 1,2-Dibromoethane	9.67	107	41294	17.423	ug/l	98
64) Tetrachloroethene	9.34	164	33138	16.987	ug/l	94
65) Chlorobenzene	10.13	112	101736	17.431	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	35948	17.556	ug/l	99
67) Ethyl Benzene	10.25	91	189837	17.443	ug/l	98
68) m/p-Xylenes	10.36	106	136393	34.855	ug/l	99
69) o-Xylene	10.69	106	67528	17.807	ug/l	98
70) Styrene	10.71	104	116503	17.822	ug/l	100
71) Bromoform	10.85	173	27198	17.392	ug/l #	98
73) Isopropylbenzene	11.02	105	178254	17.692	ug/l	100
74) N-amyl acetate	10.90	43	103730	17.499	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	67554	17.629	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	76012	22.759	ug/l	81
77) Bromobenzene	11.26	156	42594	17.585	ug/l	99
78) n-propylbenzene	11.36	91	203902	17.381	ug/l	100
79) 2-Chlorotoluene	11.42	91	124352	17.516	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	150408	17.784	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	19940	16.457	ug/l	93
82) 4-Chlorotoluene	11.51	91	140201	17.061	ug/l	99
83) tert-Butylbenzene	11.77	119	141466	17.386	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	150963	17.628	ug/l	99
85) sec-Butylbenzene	11.94	105	170135	17.603	ug/l	99
86) p-Isopropyltoluene	12.06	119	150758	17.379	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	73647	16.984	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	74143	16.886	ug/l	98
89) n-Butylbenzene	12.38	91	135351	16.637	ug/l	100
90) Hexachloroethane	12.60	117	23518	16.345	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	76322	17.727	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	14391	17.072	ug/l	98

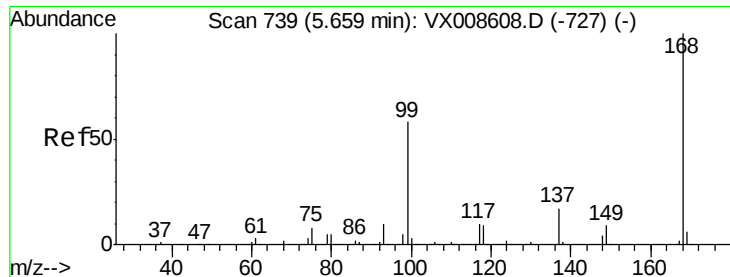
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Quant Title : SW846 8260
QLast Update : Thu Apr 04 04:47:41 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	51807	17.307	ug/l	99
94) Hexachlorobutadiene	13.78	225	24867	17.321	ug/l	99
95) Naphthalene	13.83	128	181403	18.132	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	53654	17.939	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX008693.D

Acq: 05 Apr 2019 19:43

Instrument :

MSVOA_X

ClientSampleId :

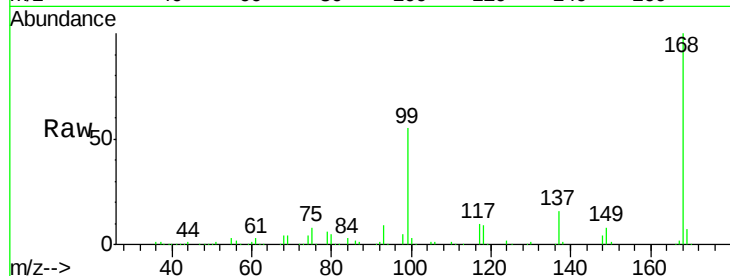
VX0405WBSD02

Tot Ion:168 Resp: 175248

Ion Ratio Lower Upper

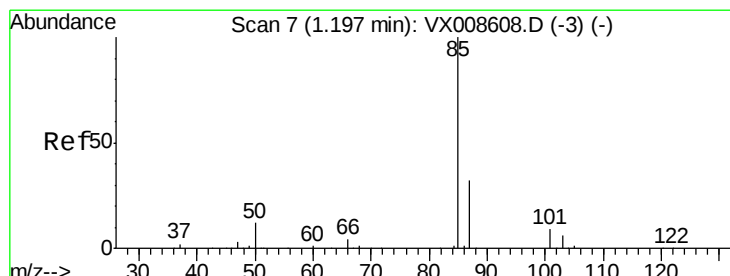
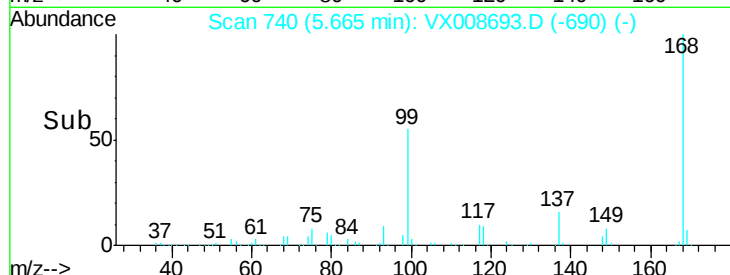
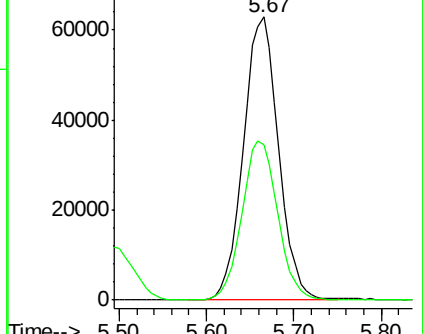
168 100

99 55.0 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 16.553 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX008693.D

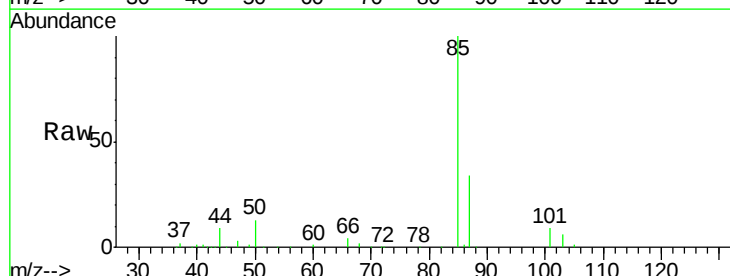
Acq: 05 Apr 2019 19:43

Tgt Ion: 85 Resp: 33391

Ion Ratio Lower Upper

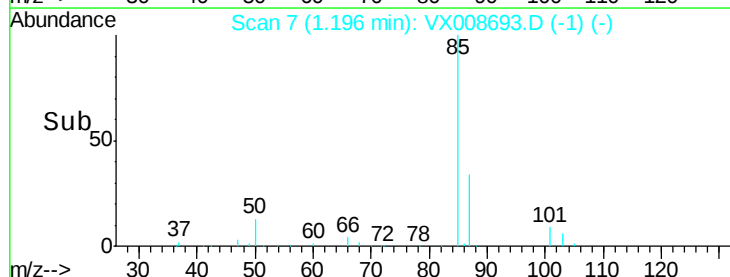
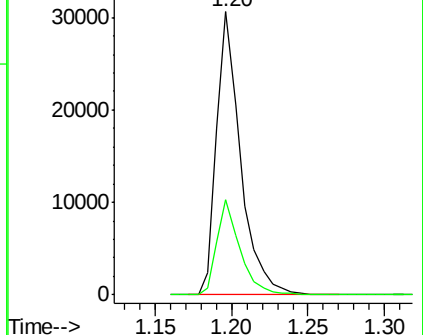
85 100

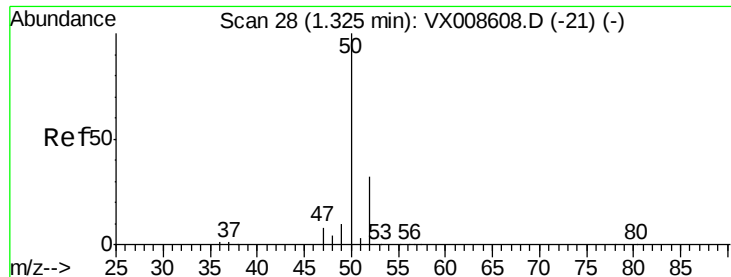
87 33.7 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 18.399 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX008693.D

Acq: 05 Apr 2019 19:43

Instrument :

MSVOA_X

ClientSampleId :

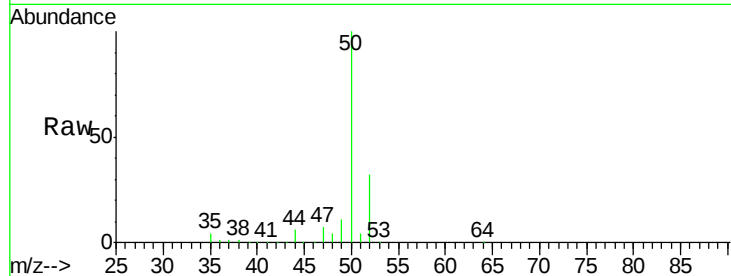
VX0405WBSD02

Tot Ion: 50 Resp: 48126

Ion Ratio Lower Upper

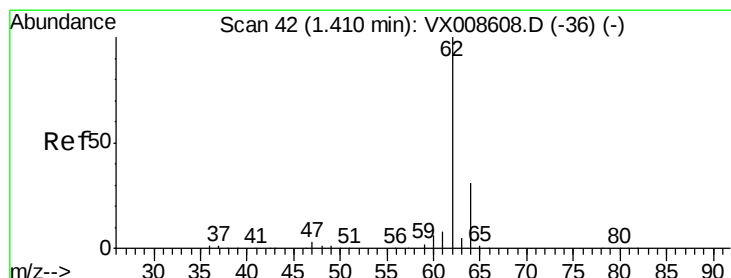
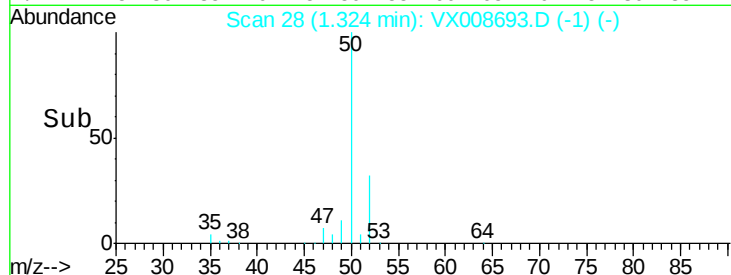
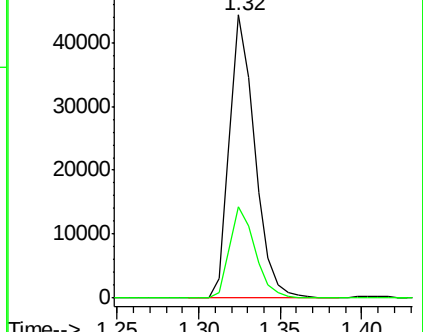
50 100

52 32.3 25.8 38.8



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 17.068 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.01 min

Lab File: VX008693.D

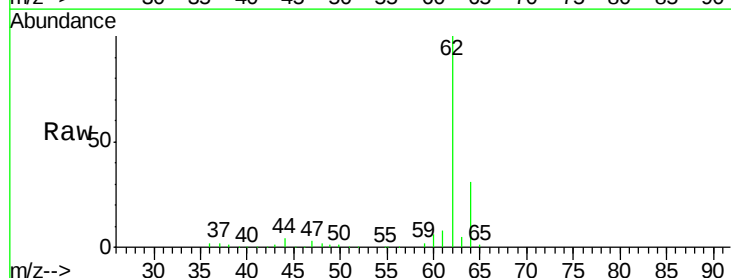
Acq: 05 Apr 2019 19:43

Tgt Ion: 62 Resp: 46545

Ion Ratio Lower Upper

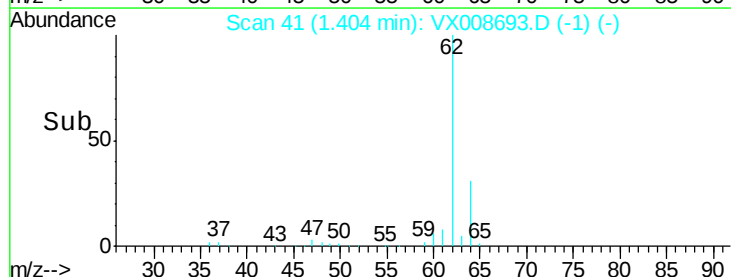
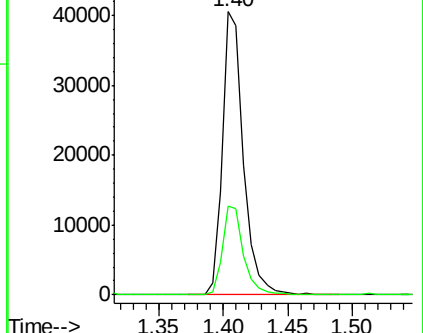
62 100

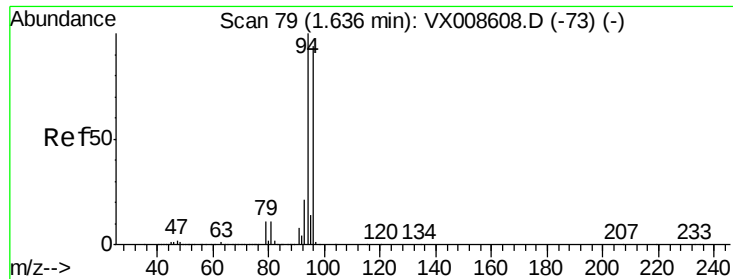
64 31.0 24.7 37.1



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 17.053 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX008693.D

Acq: 05 Apr 2019 19:43

Instrument :

MSVOA_X

ClientSampleId :

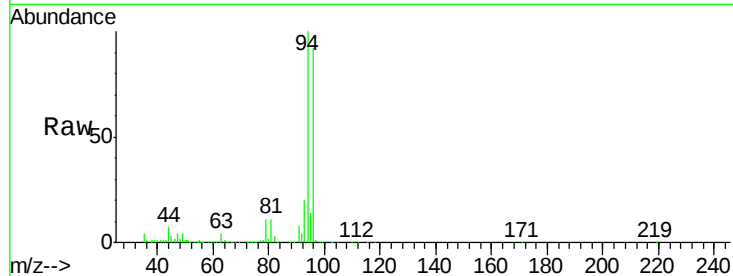
VX0405WBSD02

Tot Ion: 94 Resp: 21174

Ion Ratio Lower Upper

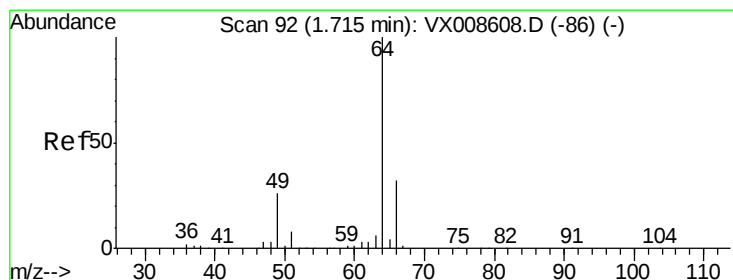
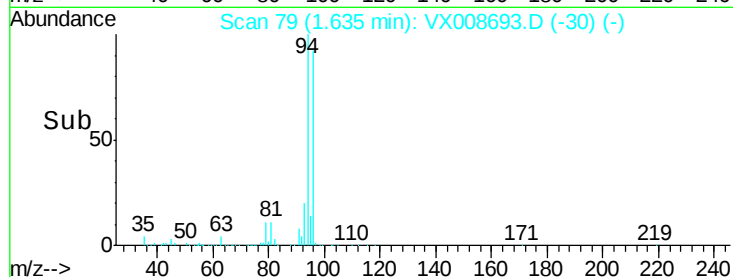
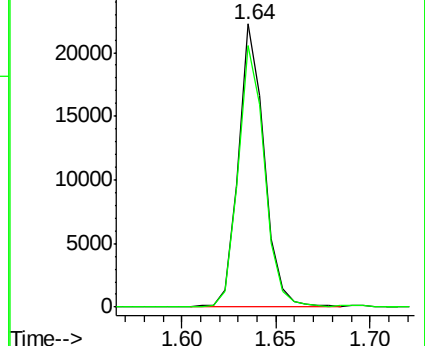
94 100

96 92.2 75.2 112.8



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 20.016 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX008693.D

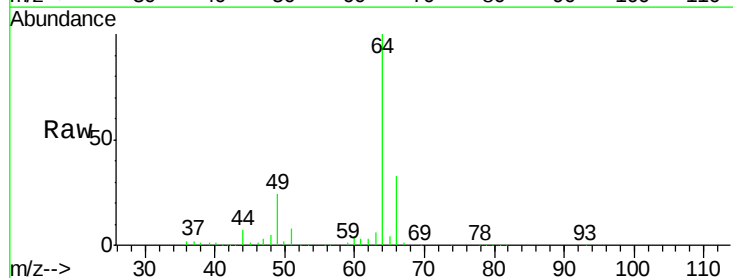
Acq: 05 Apr 2019 19:43

Tgt Ion: 64 Resp: 32514

Ion Ratio Lower Upper

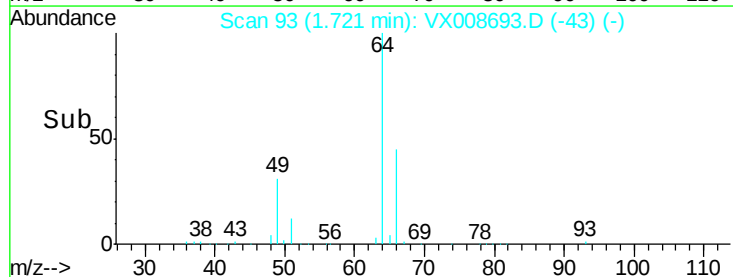
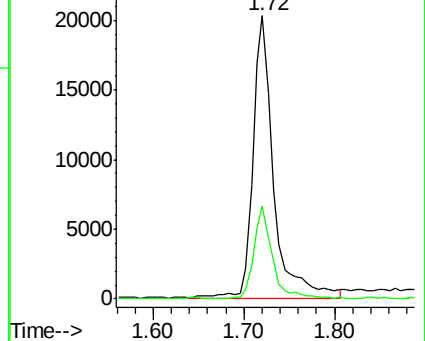
64 100

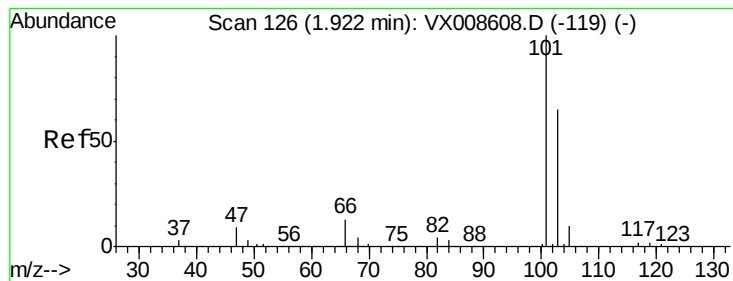
66 32.2 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



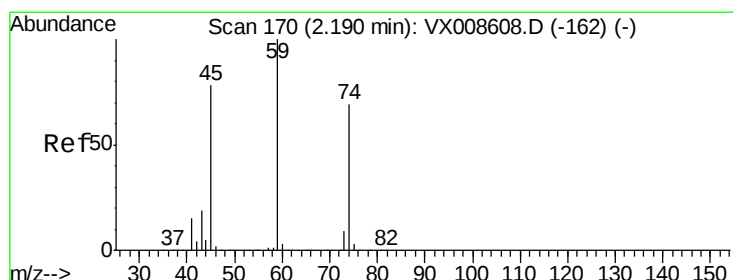
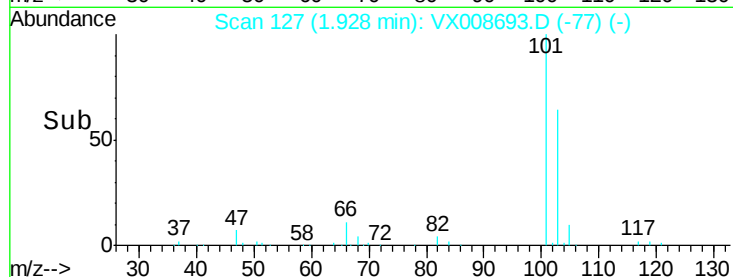
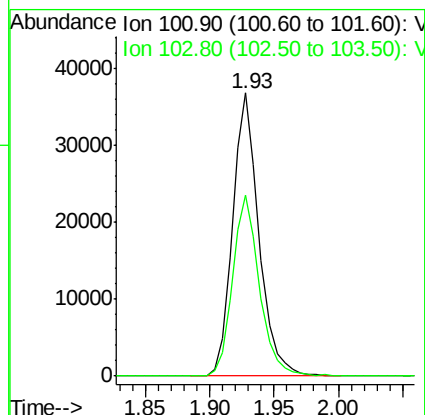
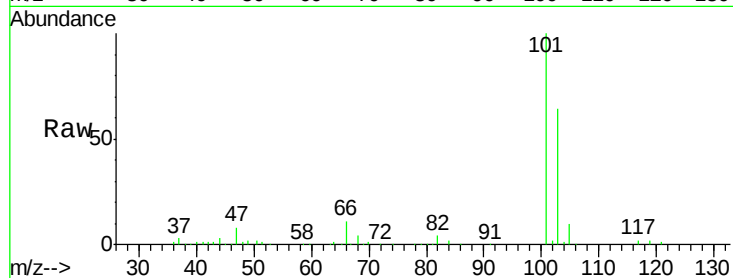


#7

Trichlorofluoromethane
 Concen: 17.451 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. 0.01 min
 Lab File: VX008693.D
 Acq: 05 Apr 2019 19:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0405WBSD02

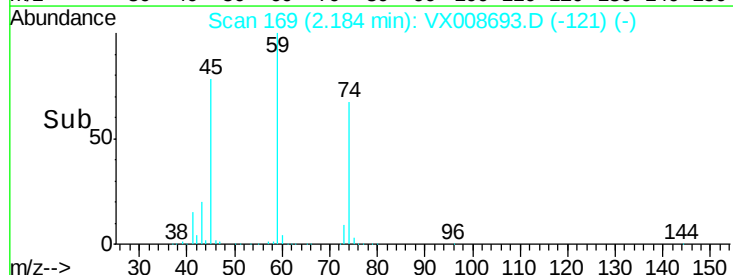
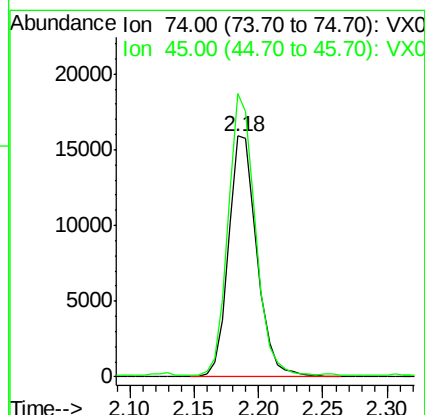
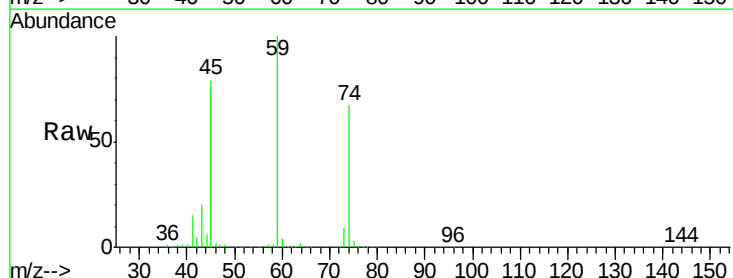
Tot Ion:101 Resp: 52606
 Ion Ratio Lower Upper
 101 100
 103 64.0 52.3 78.5



#8

Diethyl Ether
 Concen: 17.175 ug/l
 RT: 2.18 min Scan# 169
 Delta R.T. -0.01 min
 Lab File: VX008693.D
 Acq: 05 Apr 2019 19:43

Tgt Ion: 74 Resp: 24552
 Ion Ratio Lower Upper
 74 100
 45 113.2 56.5 169.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 16.801 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.01 min

Lab File: VX008693.D

Acq: 05 Apr 2019 19:43

Instrument :

MSVOA_X

ClientSampleId :

VX0405WBSD02

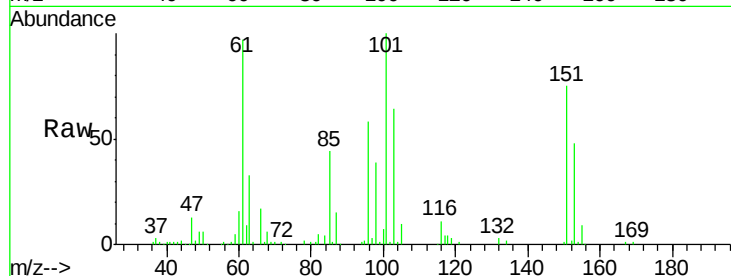
Tot Ion:101 Resp: 32608

Ion Ratio Lower Upper

101 100

85 45.2 36.0 54.0

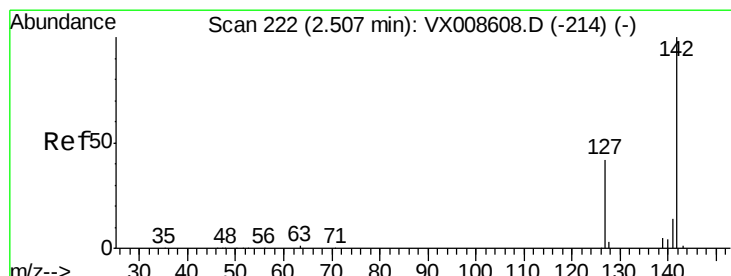
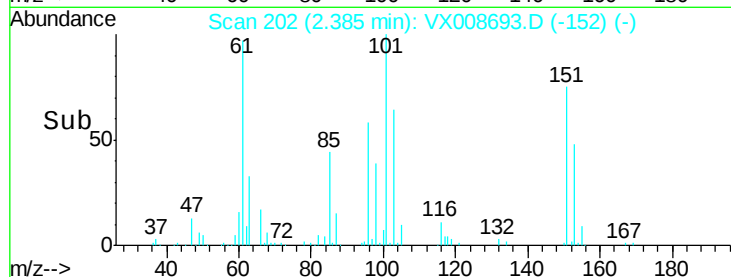
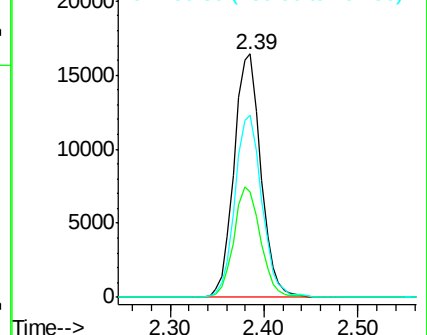
151 75.4 59.9 89.9



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: 16.274 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX008693.D

Acq: 05 Apr 2019 19:43

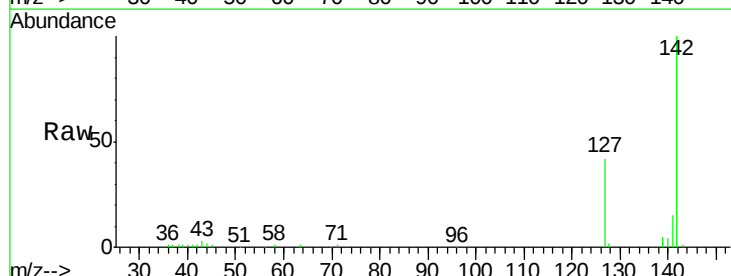
Tgt Ion:142 Resp: 23578

Ion Ratio Lower Upper

142 100

127 40.5 33.0 49.6

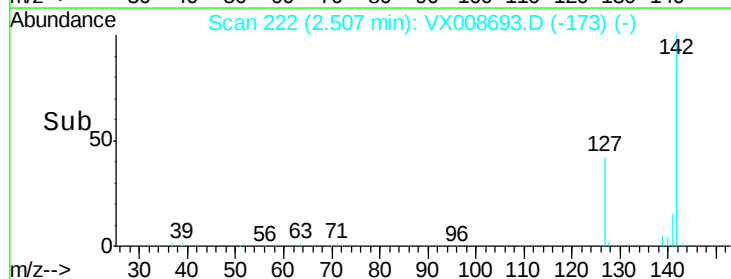
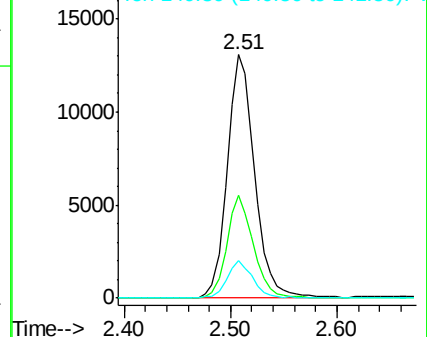
141 14.3 11.4 17.2

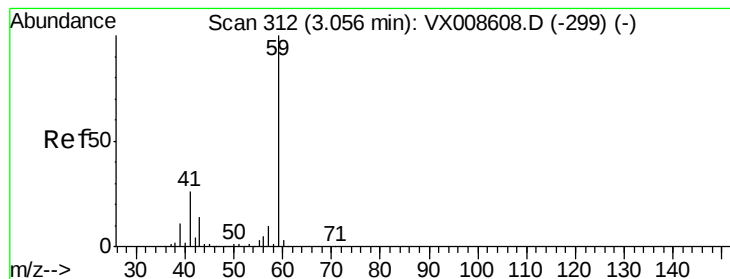


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



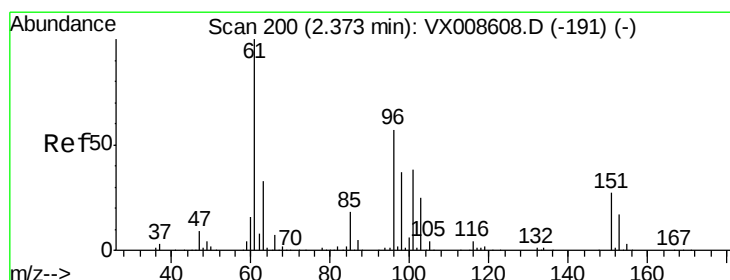
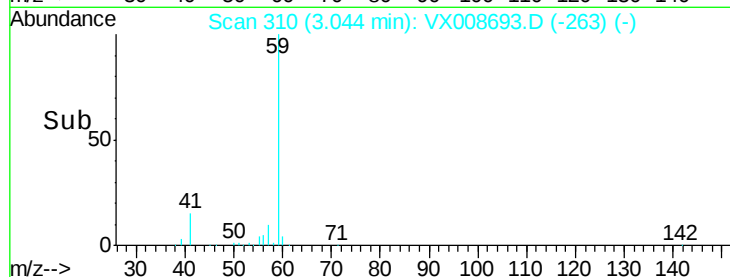
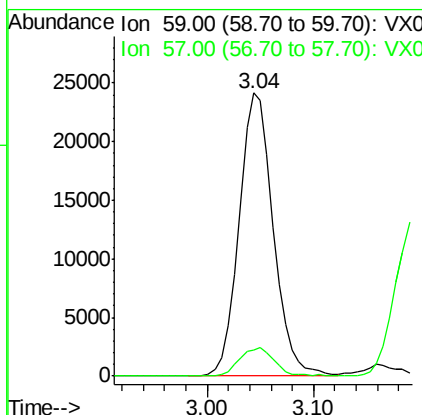
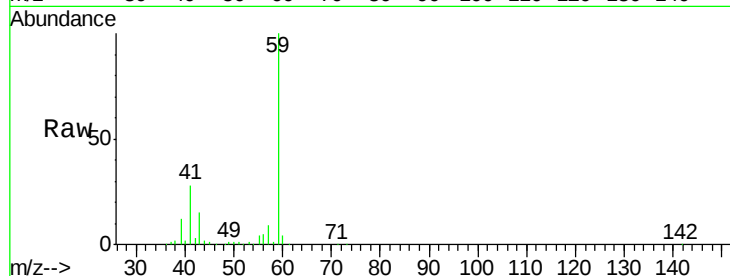


#11

Tert butyl alcohol
Concen: 91.179 ug/l
RT: 3.04 min Scan# 310
Delta R.T. -0.01 min
Lab File: VX008693.D
Acq: 05 Apr 2019 19:43

Instrument :
MSVOA_X
ClientSampleId :
VX0405WBSD02

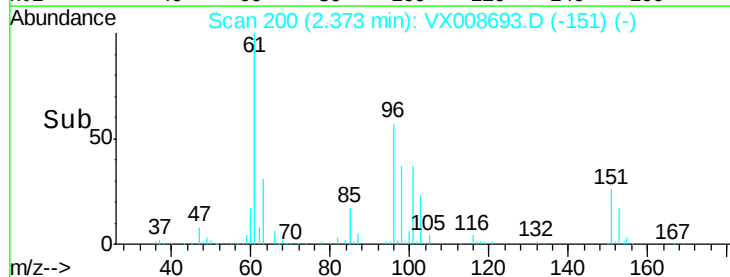
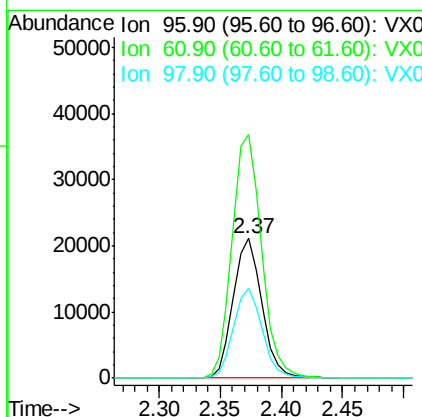
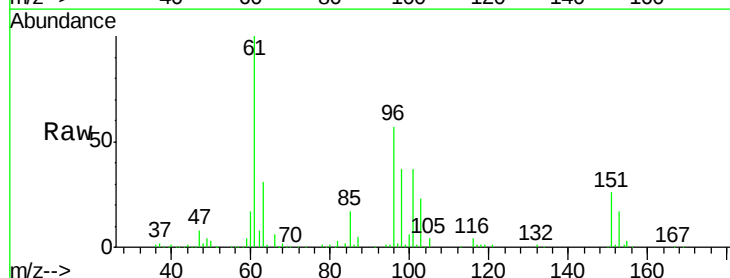
Tot Ion: 59 Resp: 54563
Ion Ratio Lower Upper
59 100
57 10.3 8.3 12.5

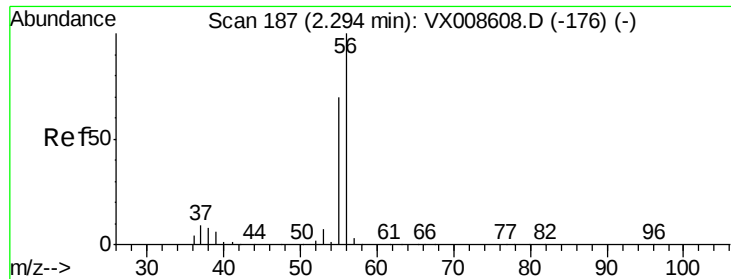


#12

1,1-Dichloroethene
Concen: 17.011 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX008693.D
Acq: 05 Apr 2019 19:43

Tgt Ion: 96 Resp: 34464
Ion Ratio Lower Upper
96 100
61 174.1 140.9 211.3
98 63.9 52.1 78.1





#13

Acrolein

Concen: 151.335 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX008693.D

Acq: 05 Apr 2019 19:43

Instrument :

MSVOA_X

ClientSampleId :

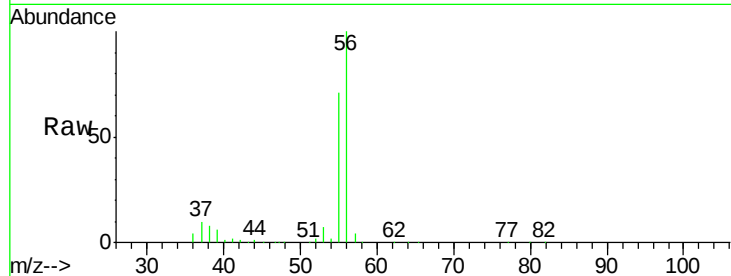
VX0405WBSD02

Tot Ion: 56 Resp: 44905

Ion Ratio Lower Upper

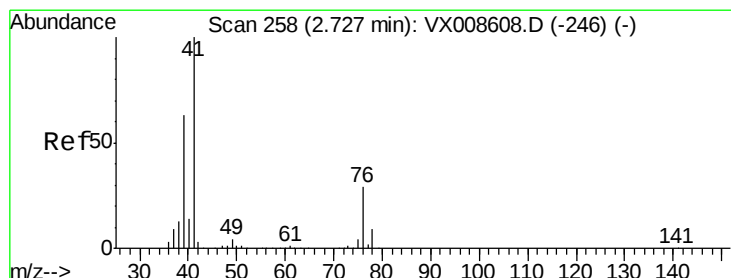
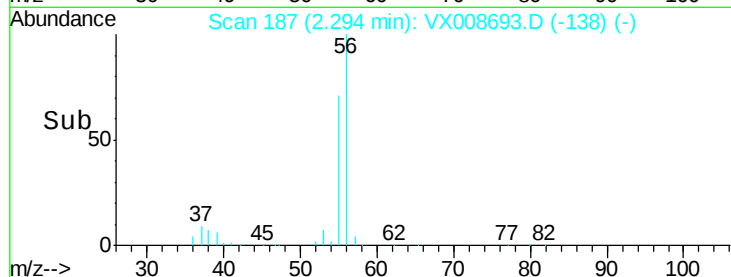
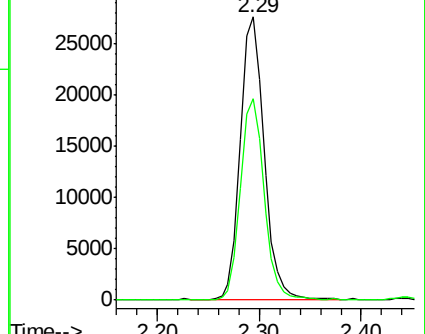
56 100

55 70.6 58.0 87.0



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 16.977 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX008693.D

Acq: 05 Apr 2019 19:43

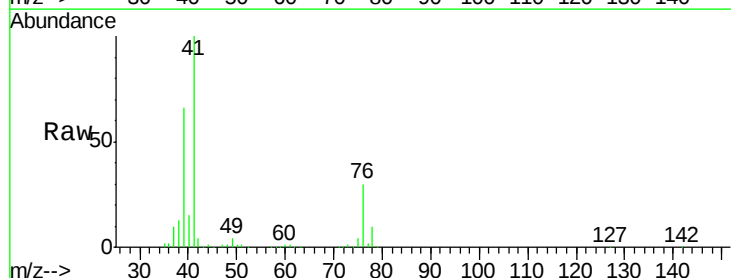
Tgt Ion: 41 Resp: 78742

Ion Ratio Lower Upper

41 100

39 60.7 48.0 72.0

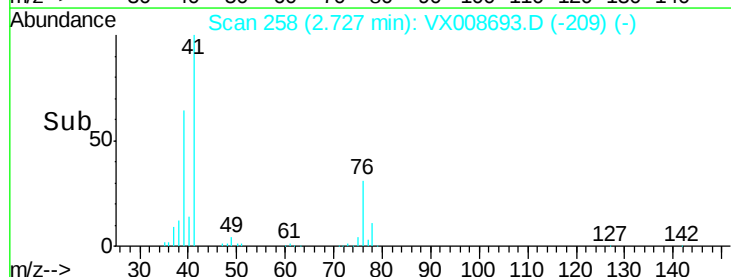
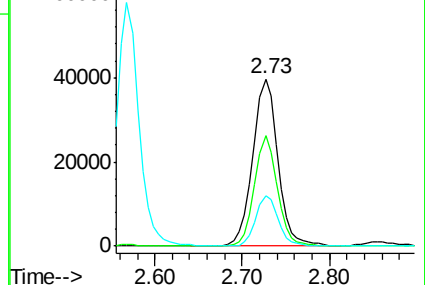
76 27.5 22.0 33.0

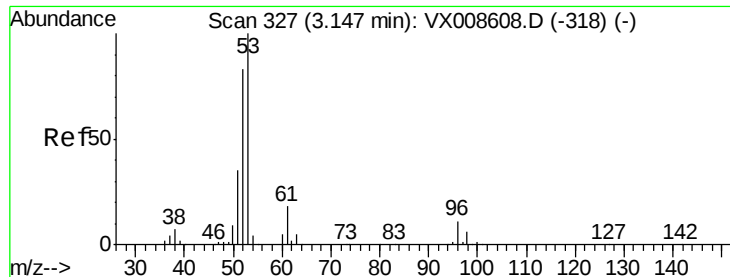


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 87.248 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.01 min

Lab File: VX008693.D

Acq: 05 Apr 2019 19:43

Instrument :

MSVOA_X

ClientSampleId :

VX0405WBSD02

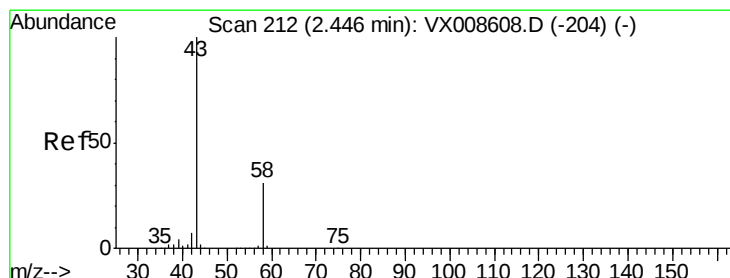
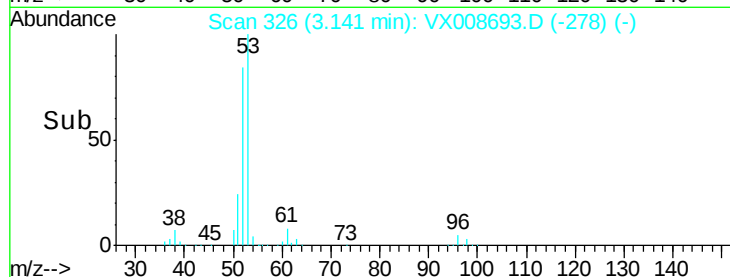
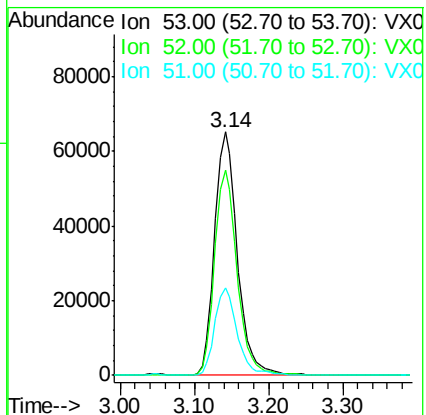
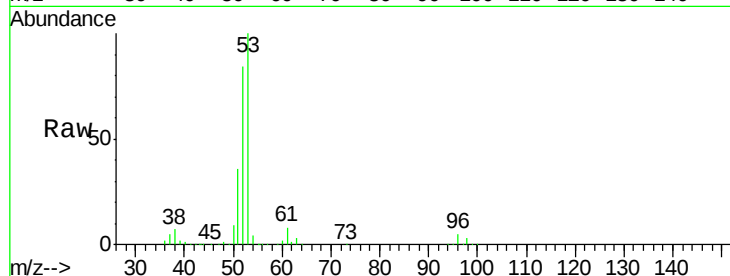
Tot Ion: 53 Resp: 138314

Ion Ratio Lower Upper

53 100

52 83.0 66.5 99.7

51 35.3 28.6 42.8



#16

Acetone

Concen: 81.173 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX008693.D

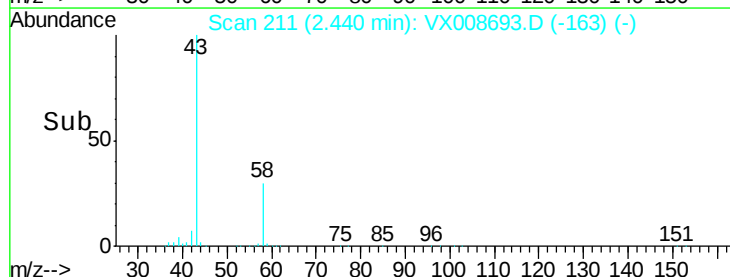
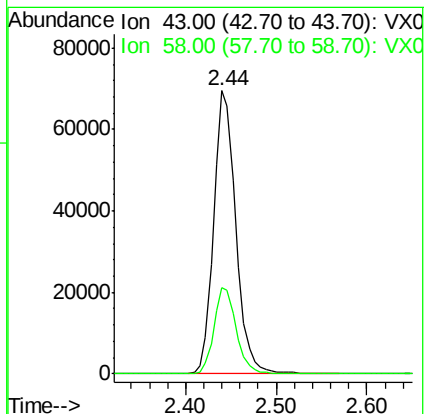
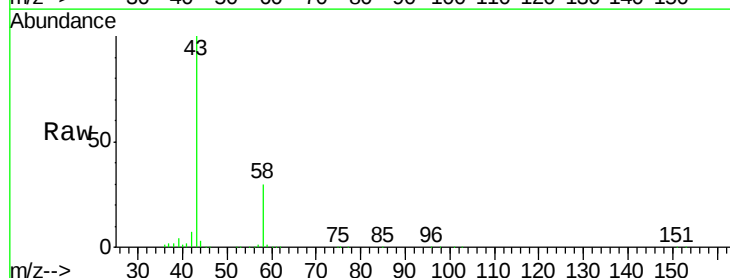
Acq: 05 Apr 2019 19:43

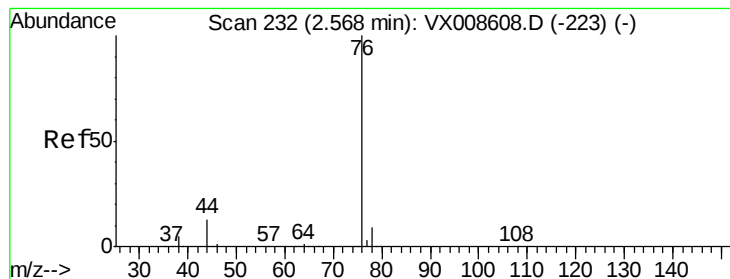
Tgt Ion: 43 Resp: 119506

Ion Ratio Lower Upper

43 100

58 30.4 24.8 37.2





#17

Carbon Disulfide

Concen: 16.534 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX008693.D

Acq: 05 Apr 2019 19:43

Instrument :

MSVOA_X

ClientSampleId :

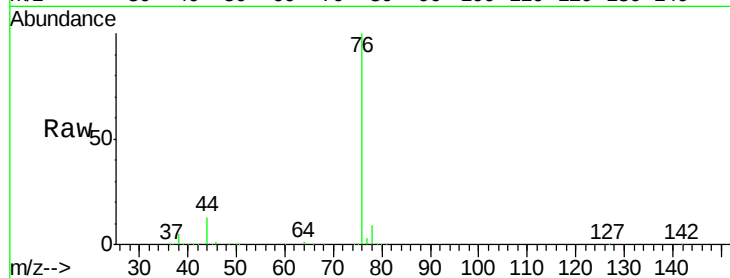
VX0405WBSD02

Tot Ion: 76 Resp: 99632

Ion Ratio Lower Upper

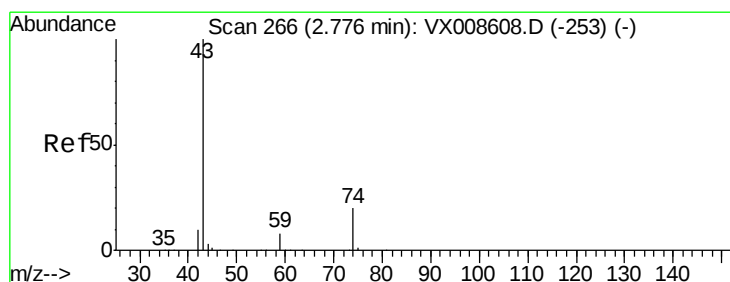
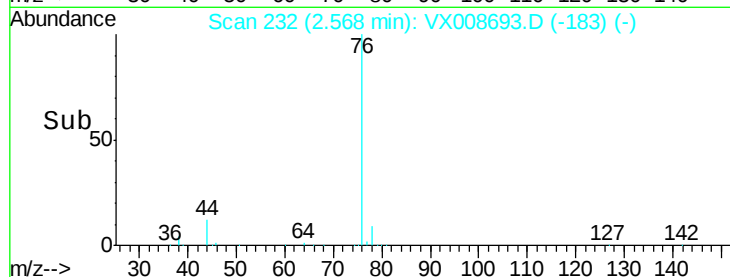
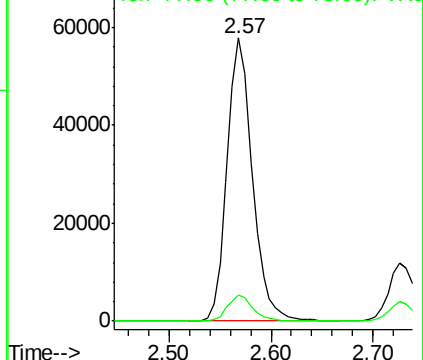
76 100

78 9.1 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 17.208 ug/l

RT: 2.77 min Scan# 265

Delta R.T. -0.01 min

Lab File: VX008693.D

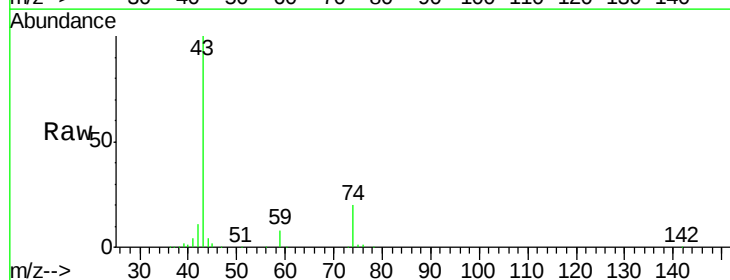
Acq: 05 Apr 2019 19:43

Tgt Ion: 43 Resp: 61441

Ion Ratio Lower Upper

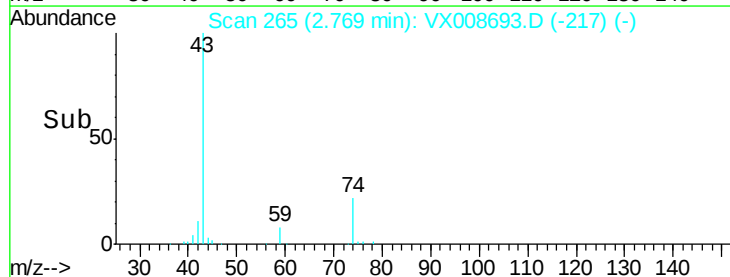
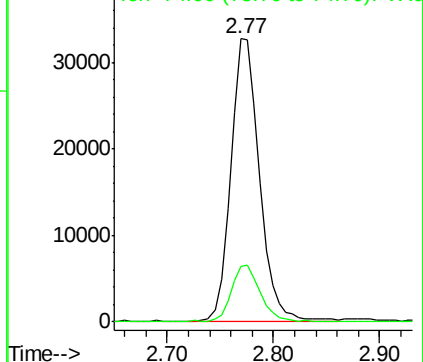
43 100

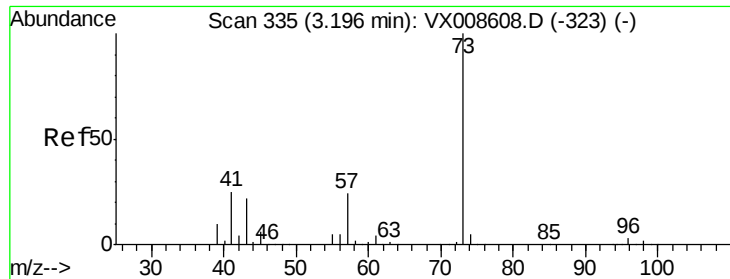
74 20.6 16.5 24.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

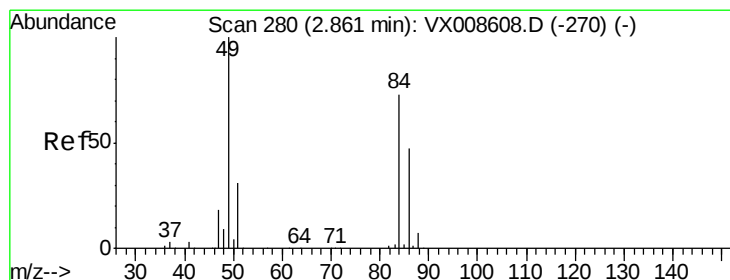
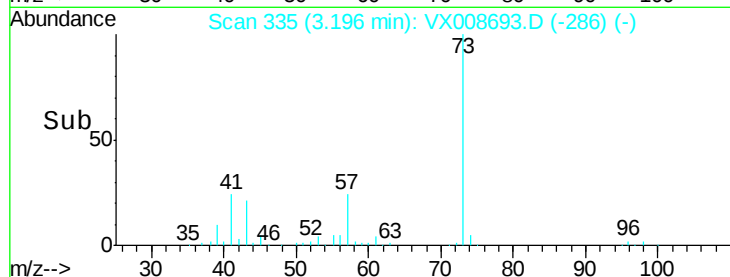
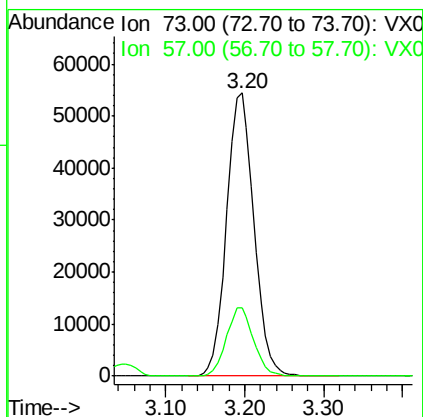
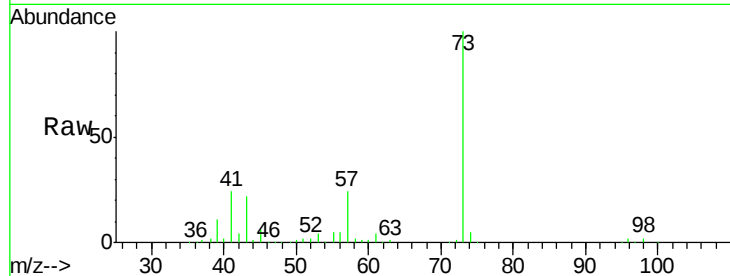




#19
Methvl tert-butvl Ether
Concen: 18.162 ug/l
RT: 3.20 min Scan# 335
Delta R.T. -0.00 min
Lab File: VX008693.D
Acq: 05 Apr 2019 19:43

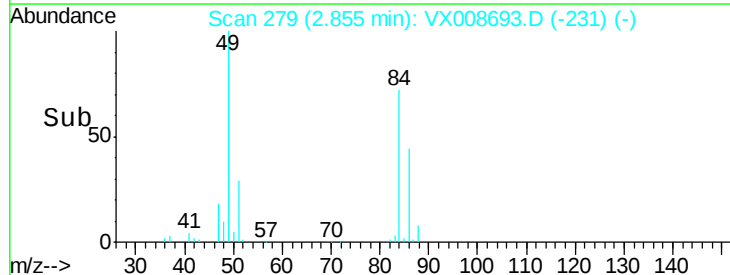
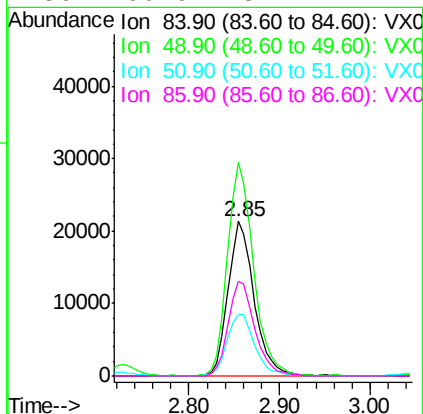
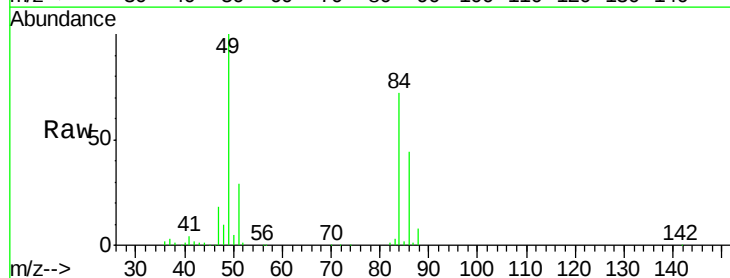
Instrument :
MSVOA_X
ClientSampleId :
VX0405WBSD02

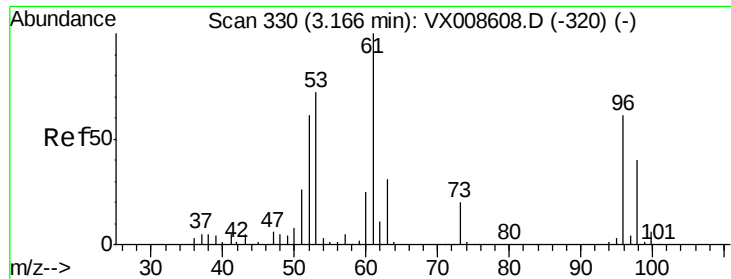
Tot Ion: 73 Resp: 131410
Ion Ratio Lower Upper
73 100
57 24.2 19.5 29.3



#20
Methylene Chloride
Concen: 17.247 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX008693.D
Acq: 05 Apr 2019 19:43

Tgt Ion: 84 Resp: 42503
Ion Ratio Lower Upper
84 100
49 138.2 109.7 164.5
51 39.9 33.6 50.4
86 60.9 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 16.790 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX008693.D

Acq: 05 Apr 2019 19:43

Instrument :

MSVOA_X

ClientSampleId :

VX0405WBSD02

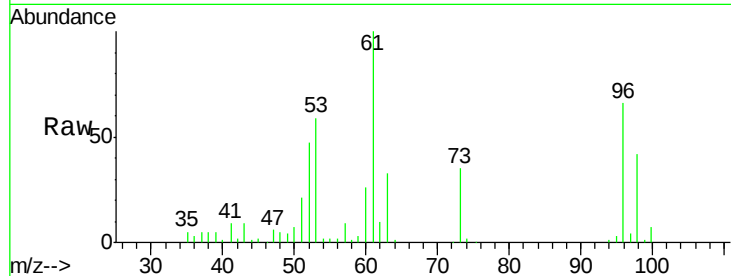
Tot Ion: 96 Resp: 36794

Ion Ratio Lower Upper

96 100

61 152.6 132.1 198.1

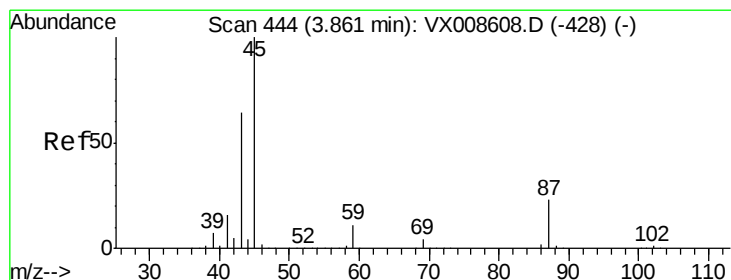
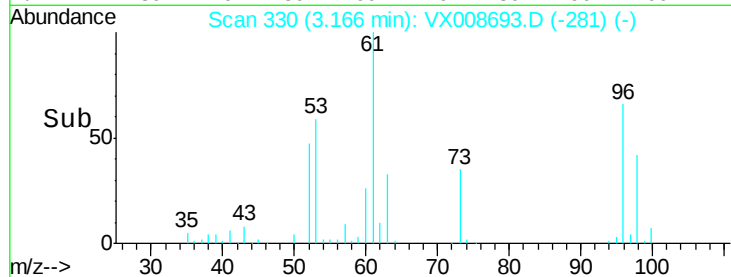
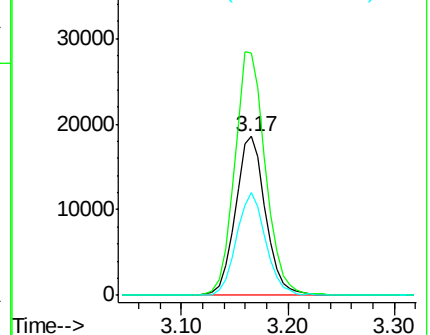
98 64.6 52.2 78.2



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: 17.767 ug/l

RT: 3.85 min Scan# 443

Delta R.T. -0.01 min

Lab File: VX008693.D

Acq: 05 Apr 2019 19:43

Tgt Ion: 45 Resp: 158823

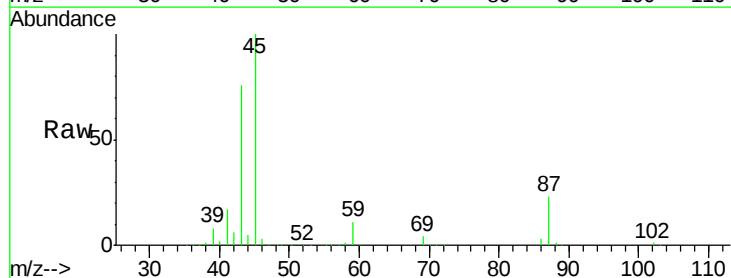
Ion Ratio Lower Upper

45 100

43 75.1 51.3 76.9

87 23.3 18.1 27.1

59 11.0 8.6 13.0

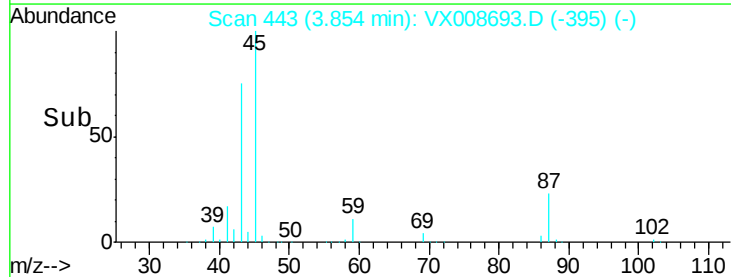
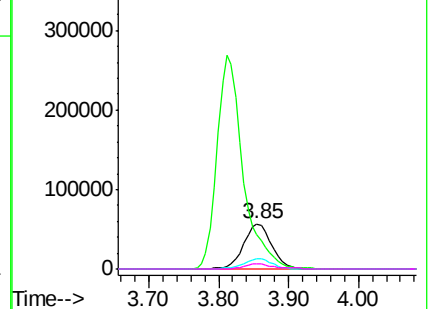


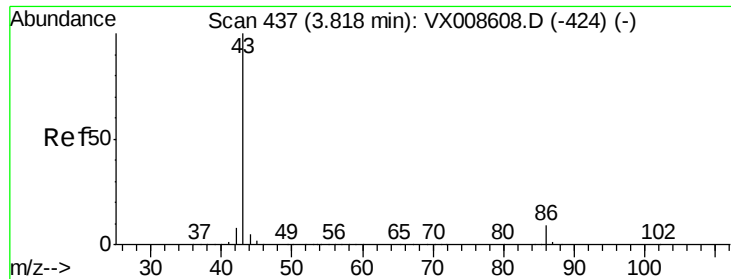
Abundance Ion 45.00 (44.70 to 45.70): VX0

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: 89.316 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.01 min

Lab File: VX008693.D

Acq: 05 Apr 2019 19:43

Instrument :

MSVOA_X

ClientSampleId :

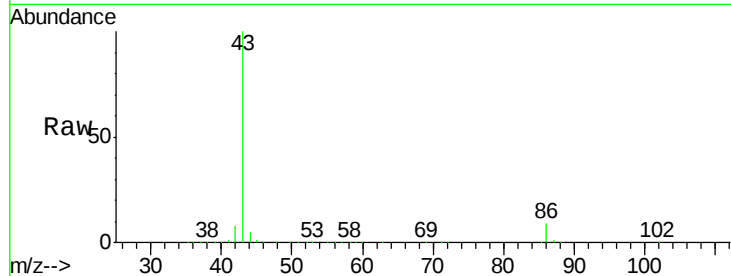
VX0405WBSD02

Tot Ion: 43 Resp: 694585

Ion Ratio Lower Upper

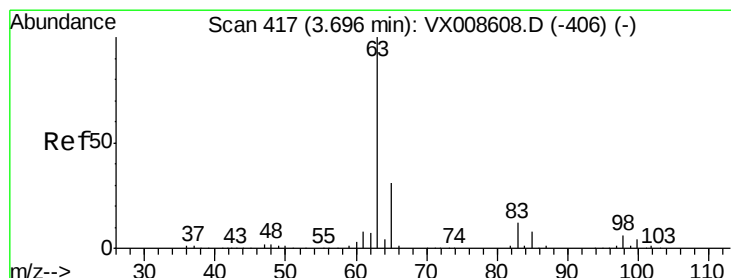
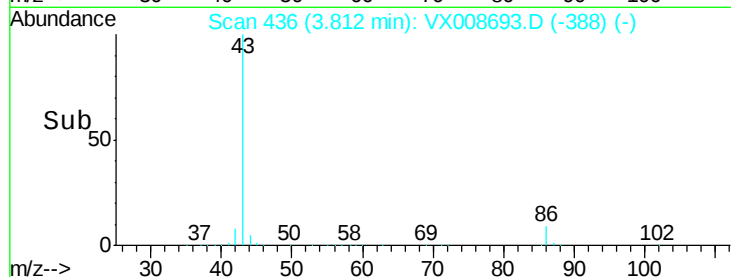
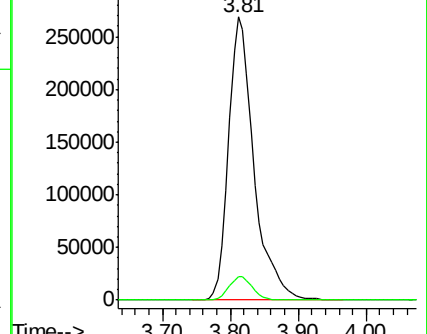
43 100

86 8.5 7.0 10.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 17.807 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX008693.D

Acq: 05 Apr 2019 19:43

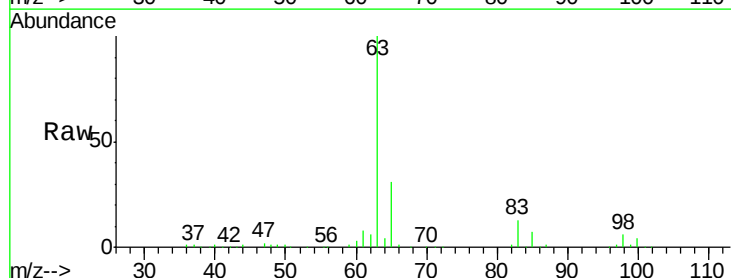
Tgt Ion: 63 Resp: 78815

Ion Ratio Lower Upper

63 100

98 6.3 2.8 8.4

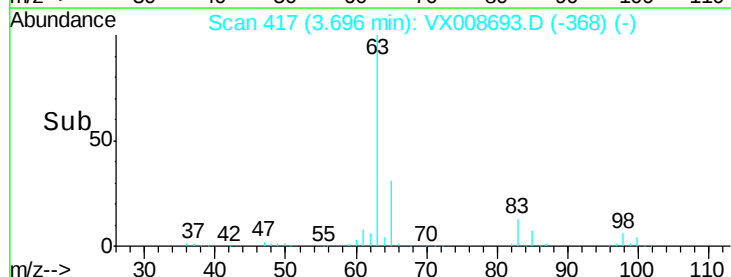
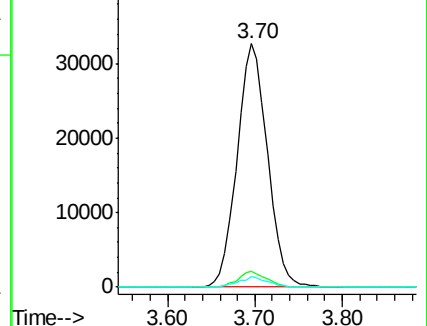
100 4.4 1.8 5.5

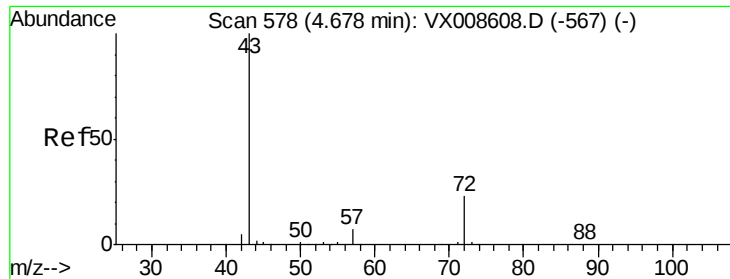


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 86.611 ug/l

RT: 4.67 min Scan# 577

Delta R.T. -0.01 min

Lab File: VX008693.D

Acq: 05 Apr 2019 19:43

Instrument :

MSVOA_X

ClientSampleId :

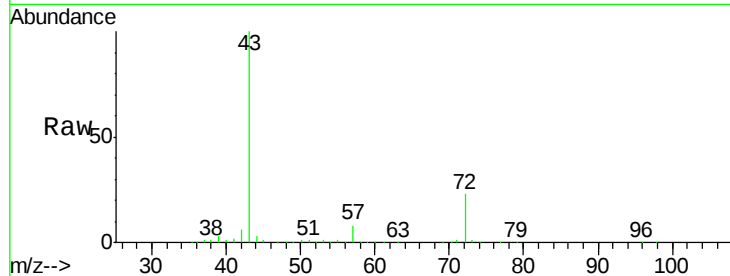
VX0405WBSD02

Tot Ion: 43 Resp: 201537

Ion Ratio Lower Upper

43 100

72 23.0 18.2 27.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.67

80000

60000

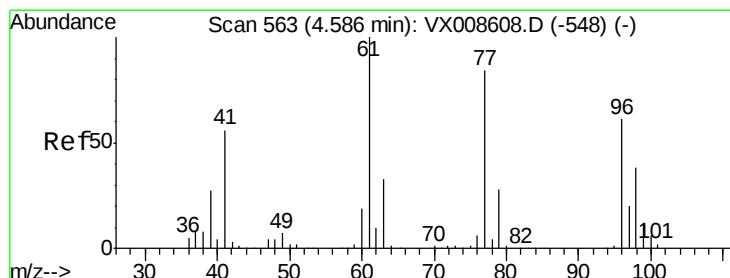
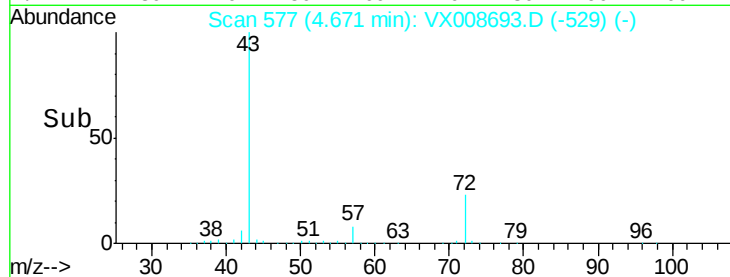
40000

20000

0

Time-->

4.60 4.70 4.80



#26

2,2-Dichloropropane

Concen: 16.316 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX008693.D

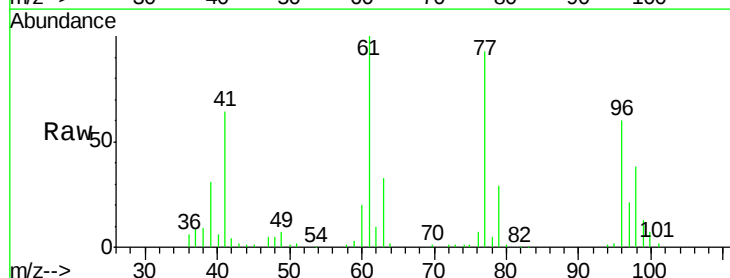
Acq: 05 Apr 2019 19:43

Tgt Ion: 77 Resp: 50862

Ion Ratio Lower Upper

77 100

97 23.7 11.5 34.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

4.58

15000

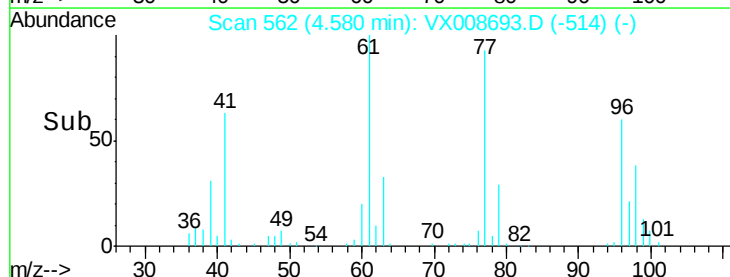
10000

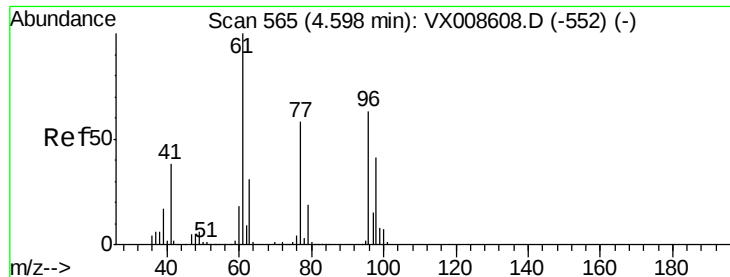
5000

0

Time-->

4.50 4.60 4.70



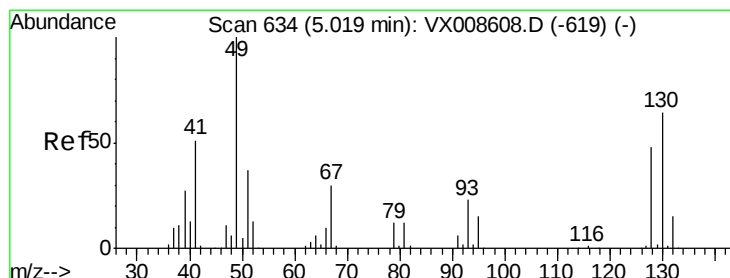
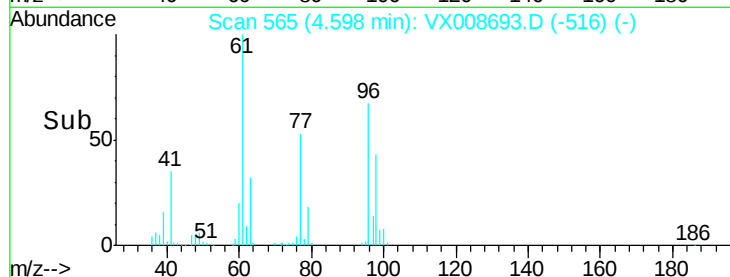
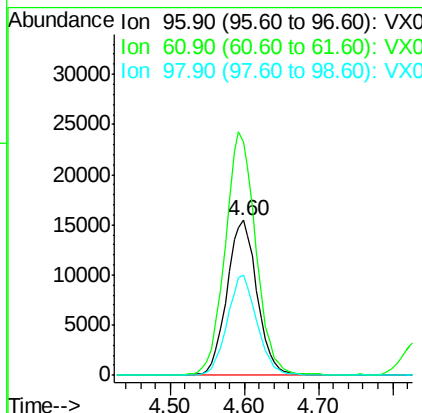
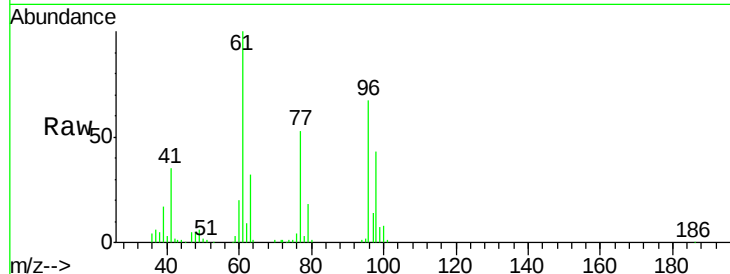


#27

cis-1,2-Dichloroethene
Concen: 17.347 ug/l
RT: 4.60 min Scan# 565
Delta R.T. -0.00 min
Lab File: VX008693.D
Acq: 05 Apr 2019 19:43

Instrument :
MSVOA_X
ClientSampleId :
VX0405WBSD02

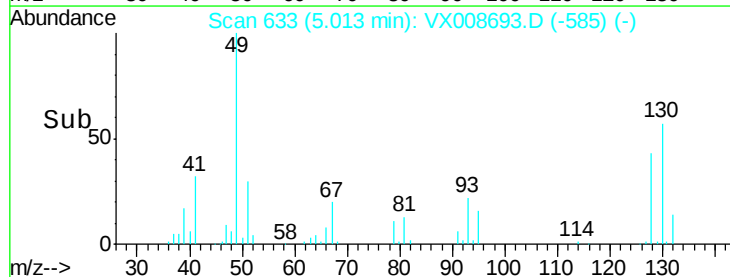
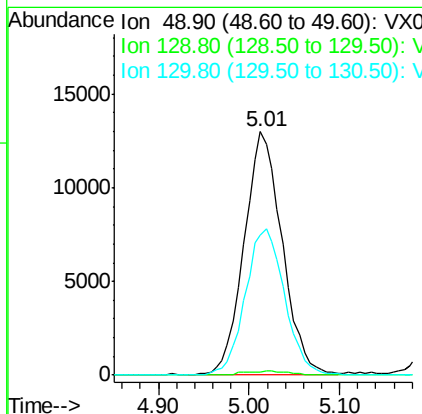
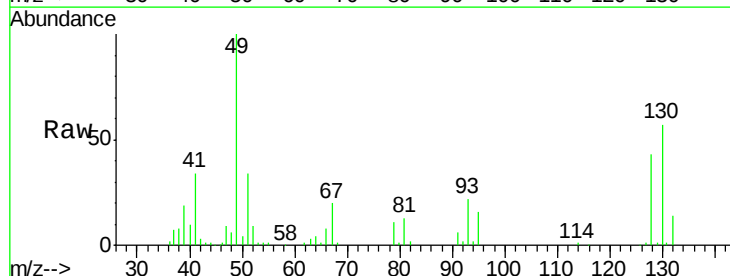
Tot Ion: 96 Resp: 43707
Ion Ratio Lower Upper
96 100
61 159.8 0.0 327.6
98 63.8 0.0 128.6

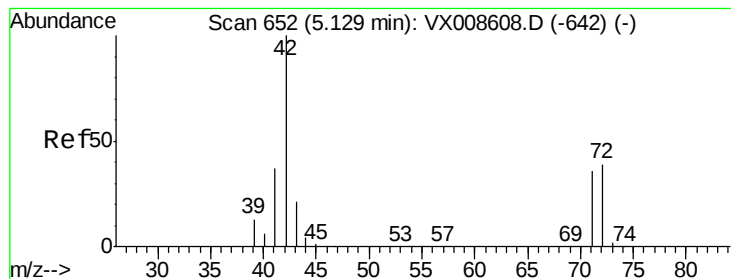


#28

Bromochloromethane
Concen: 18.565 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.01 min
Lab File: VX008693.D
Acq: 05 Apr 2019 19:43

Tgt Ion: 49 Resp: 37842
Ion Ratio Lower Upper
49 100
129 1.9 0.0 3.6
130 61.8 49.3 73.9





#29

Tetrahydrofuran

Concen: 86.879 ug/l

RT: 5.13 min Scan# 652

Delta R.T. -0.00 min

Lab File: VX008693.D

Acq: 05 Apr 2019 19:43

Instrument :

MSVOA_X

ClientSampleId :

VX0405WBSD02

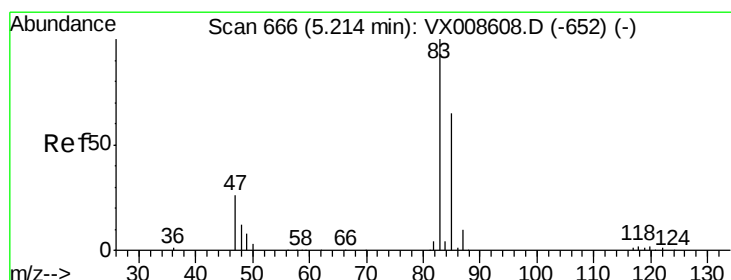
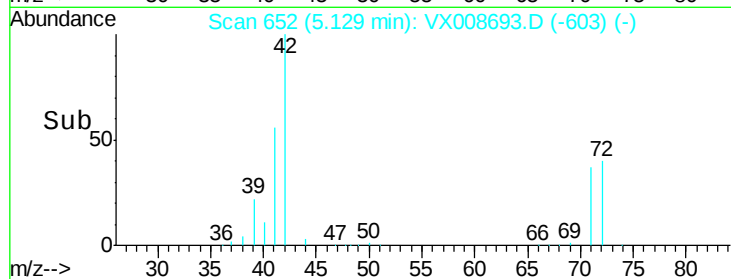
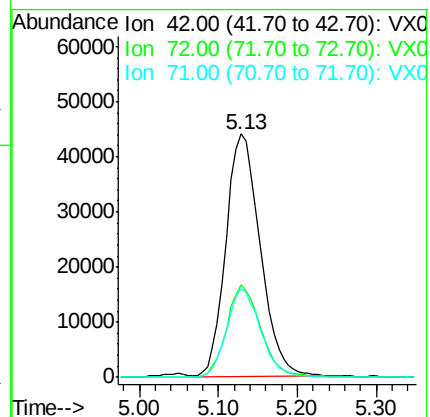
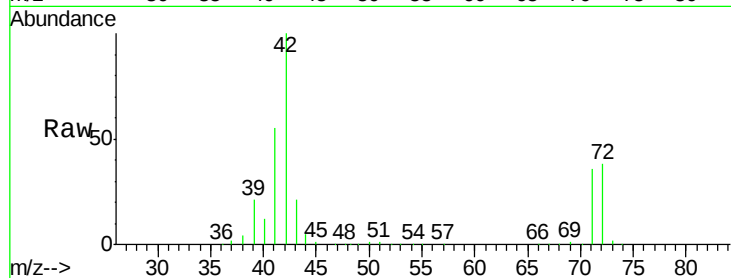
Tot Ion: 42 Resp: 134178

Ion Ratio Lower Upper

42 100

72 37.9 30.5 45.7

71 36.2 28.6 43.0



#30

Chloroform

Concen: 17.561 ug/l

RT: 5.21 min Scan# 666

Delta R.T. -0.00 min

Lab File: VX008693.D

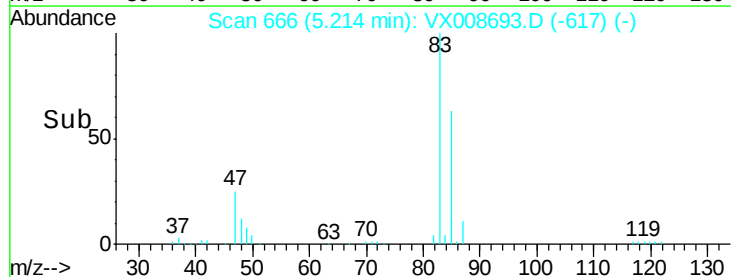
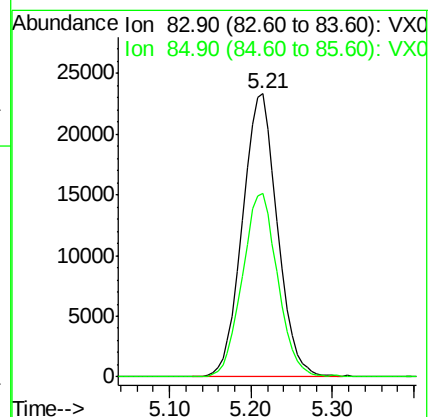
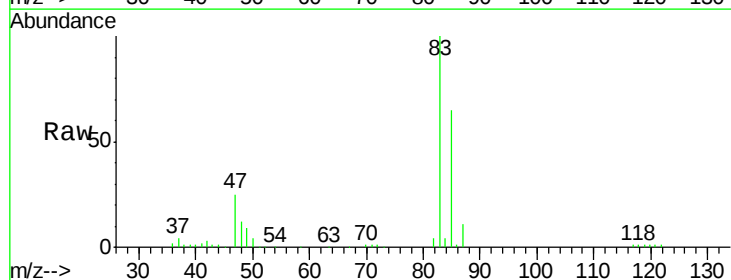
Acq: 05 Apr 2019 19:43

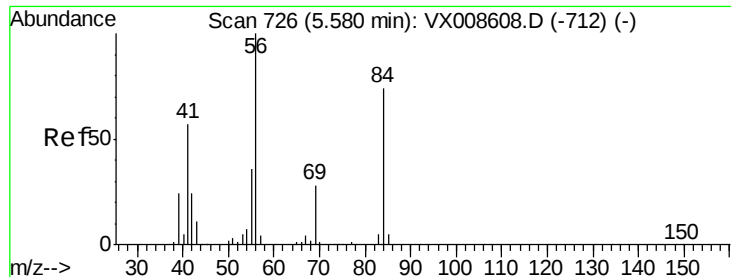
Tgt Ion: 83 Resp: 69421

Ion Ratio Lower Upper

83 100

85 64.8 52.1 78.1

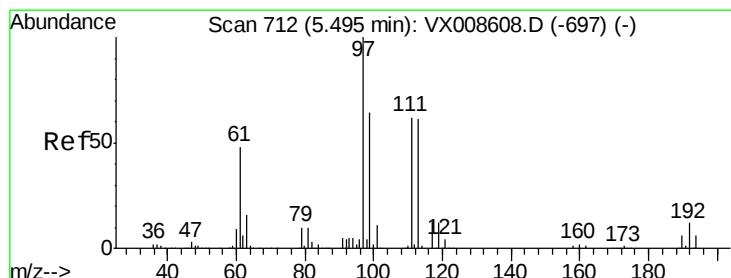
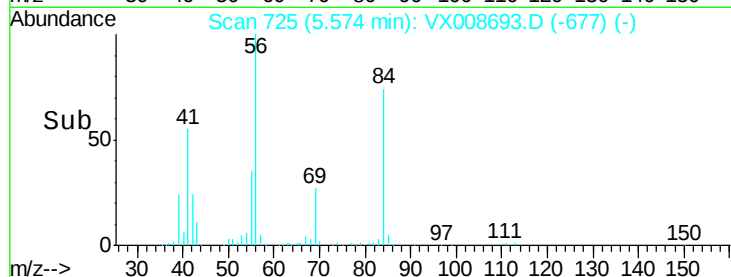
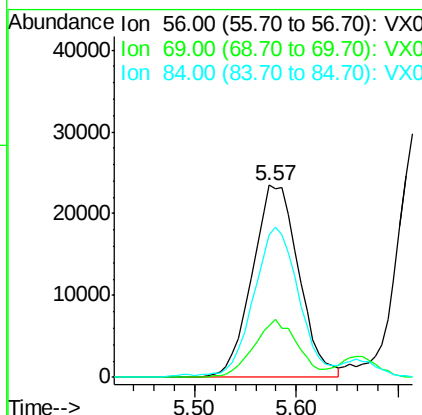
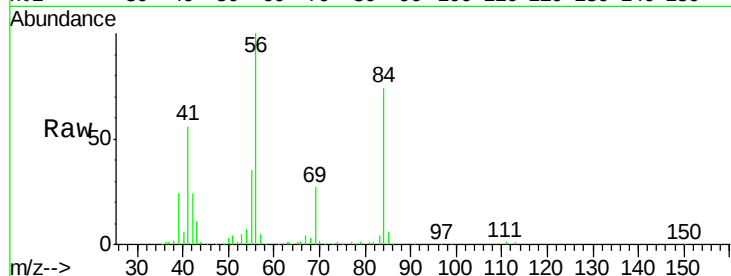




#31
Cyclohexane
Concen: 16.850 ug/l
RT: 5.57 min Scan# 725
Delta R.T. -0.01 min
Lab File: VX008693.D
Acq: 05 Apr 2019 19:43

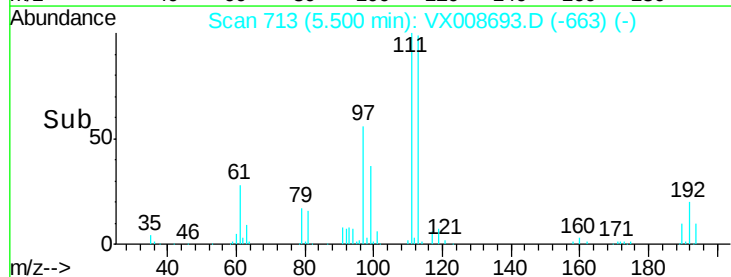
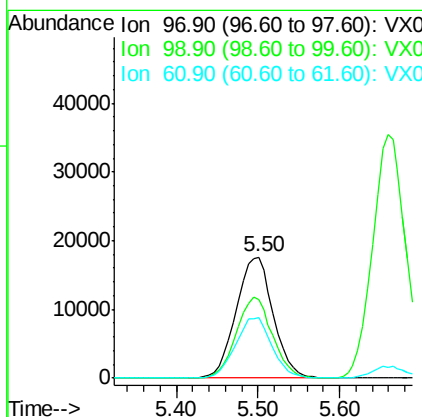
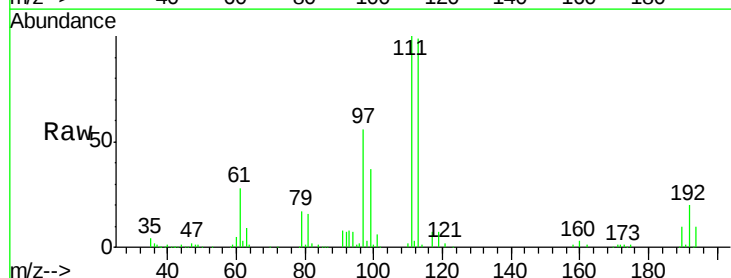
Instrument :
MSVOA_X
ClientSampleId :
VX0405WBSD02

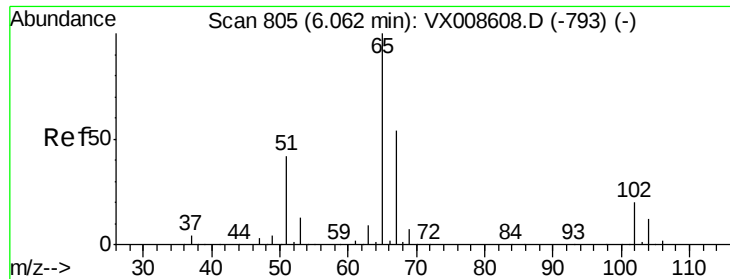
Tot Ion: 56 Resp: 74416
Ion Ratio Lower Upper
56 100
69 26.8 22.6 33.8
84 72.8 59.3 88.9



#32
1,1,1-Trichloroethane
Concen: 17.342 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.01 min
Lab File: VX008693.D
Acq: 05 Apr 2019 19:43

Tgt Ion: 97 Resp: 55401
Ion Ratio Lower Upper
97 100
99 65.1 51.3 76.9
61 49.4 38.9 58.3





#33

1,2-Dichloroethane-d4

Concen: 47.247 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX008693.D

Acq: 05 Apr 2019 19:43

Instrument :

MSVOA_X

ClientSampleId :

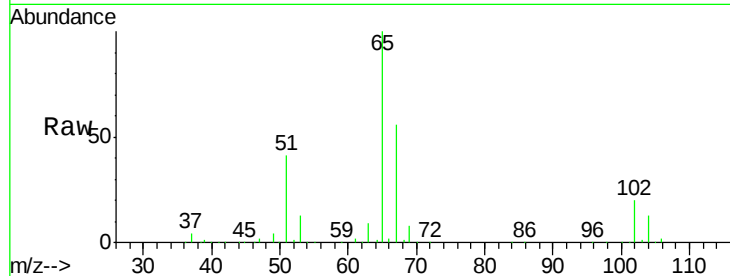
VX0405WBSD02

Tot Ion: 65 Resp: 120768

Ion Ratio Lower Upper

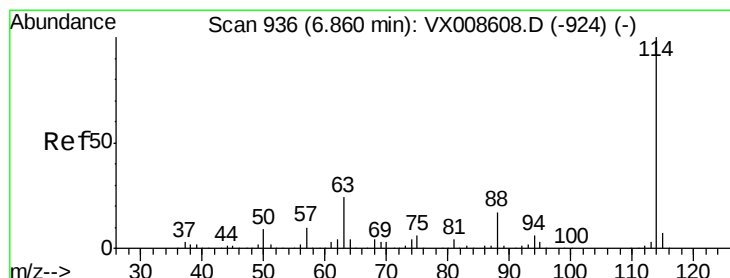
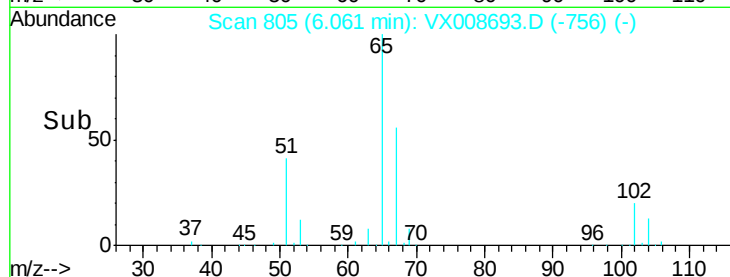
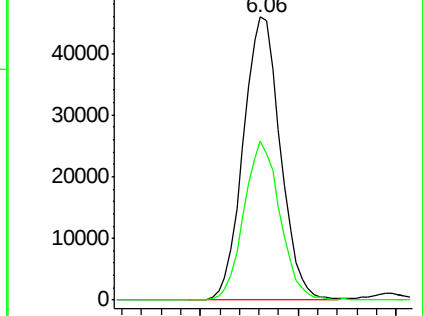
65 100

67 54.7 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX008693.D

Acq: 05 Apr 2019 19:43

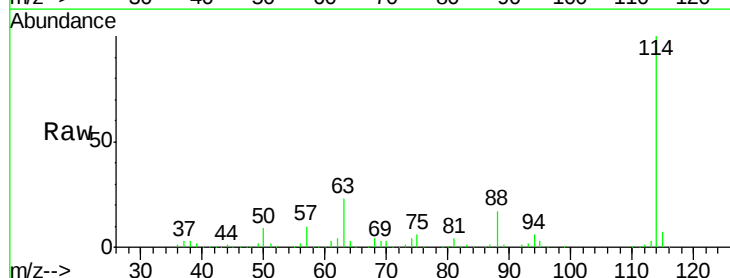
Tgt Ion: 114 Resp: 295416

Ion Ratio Lower Upper

114 100

63 23.4 0.0 47.2

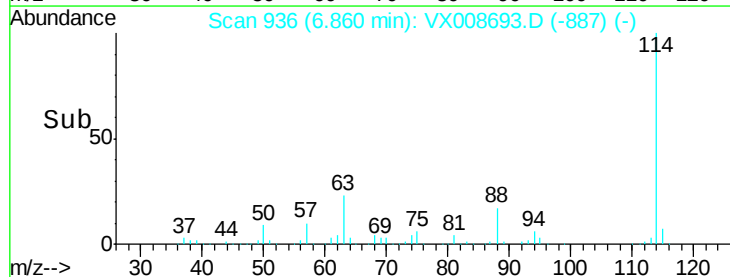
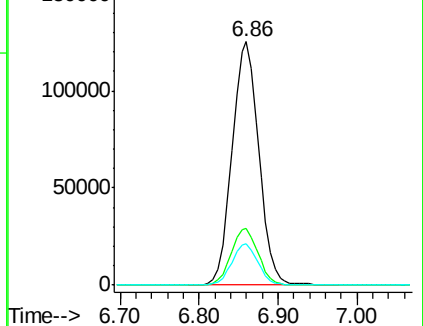
88 16.8 0.0 34.0

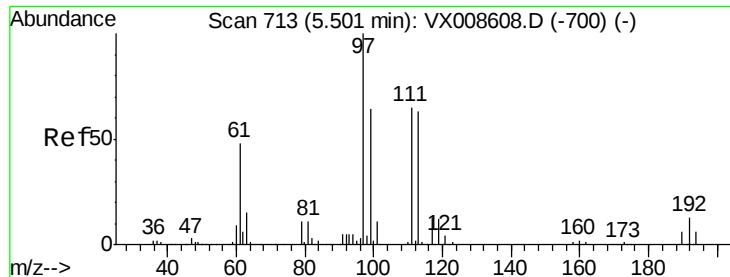


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 47.192 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX008693.D

Acq: 05 Apr 2019 19:43

Instrument :

MSVOA_X

ClientSampleId :

VX0405WBSD02

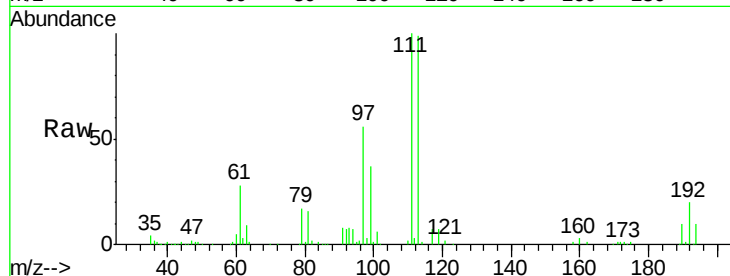
Tot Ion:113 Resp: 89135

Ion Ratio Lower Upper

113 100

111 102.8 83.4 125.2

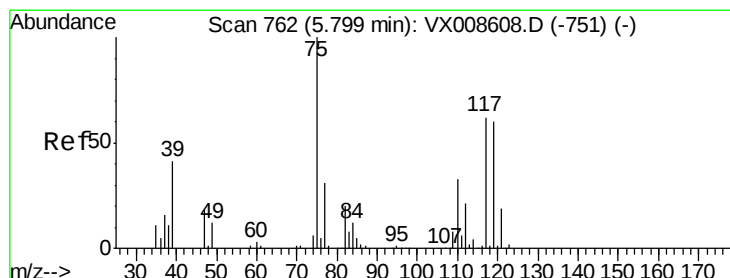
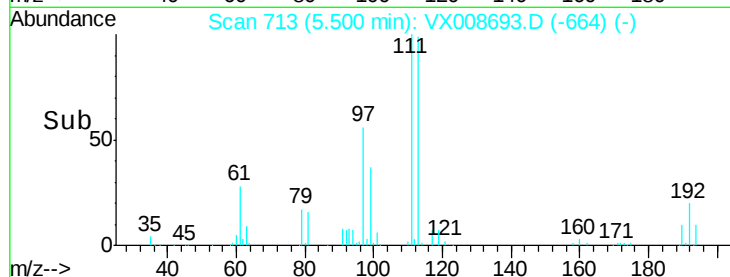
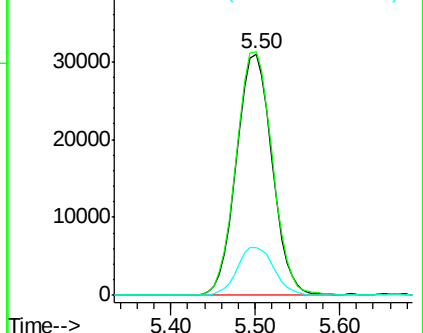
192 20.4 16.1 24.1



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 16.634 ug/l

RT: 5.80 min Scan# 762

Delta R.T. -0.00 min

Lab File: VX008693.D

Acq: 05 Apr 2019 19:43

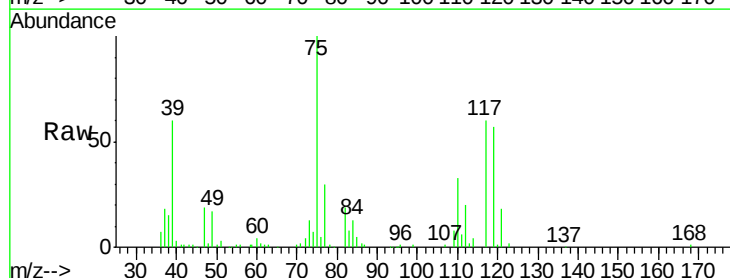
Tgt Ion: 75 Resp: 53716

Ion Ratio Lower Upper

75 100

110 33.0 16.4 49.2

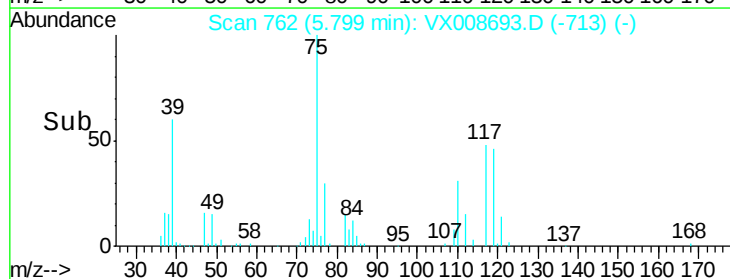
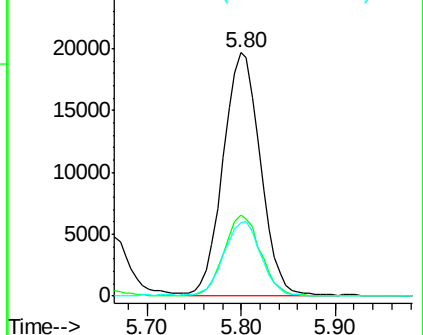
77 31.3 24.7 37.1

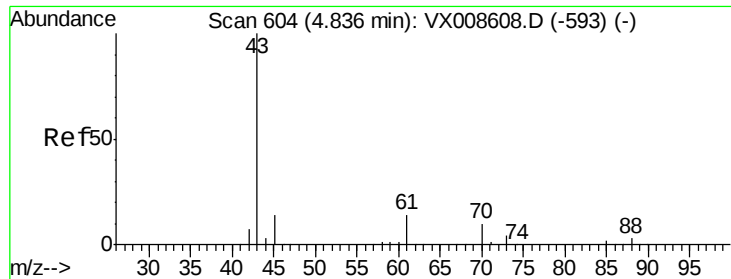


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

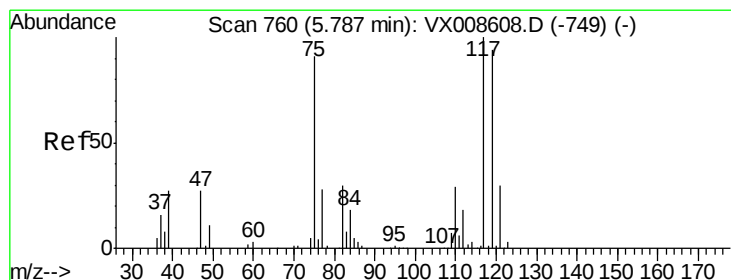
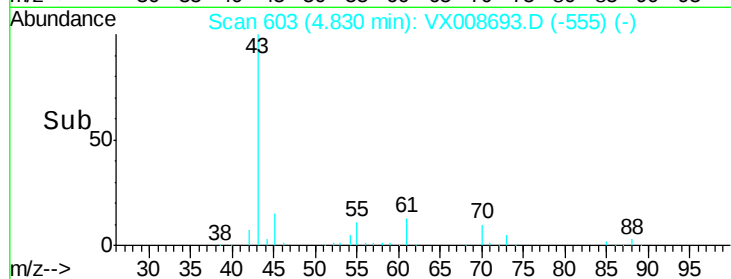
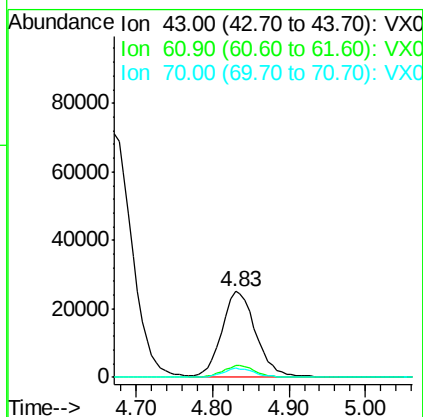
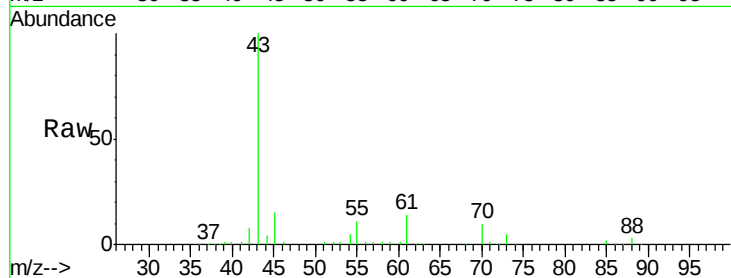




#37
Ethyl Acetate
Concen: 17.594 ug/l
RT: 4.83 min Scan# 603
Delta R.T. -0.01 min
Lab File: VX008693.D
Acq: 05 Apr 2019 19:43

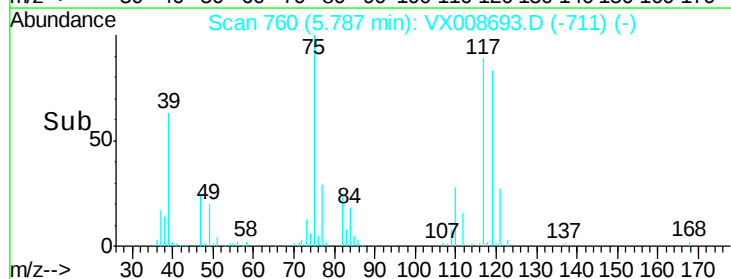
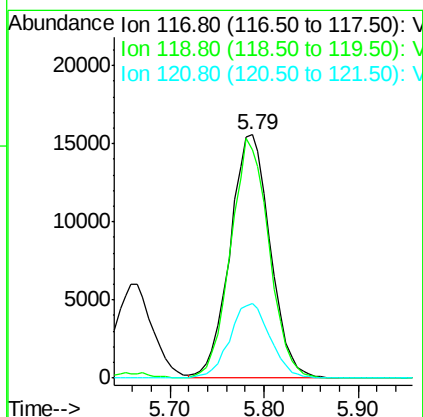
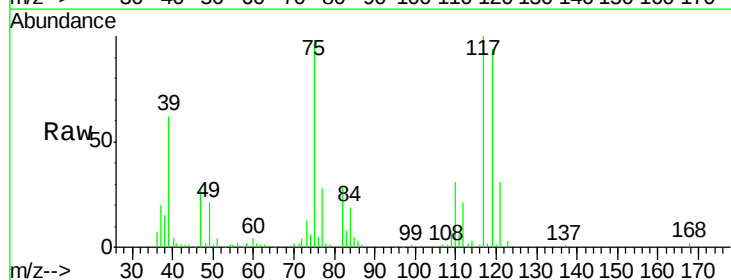
Instrument :
MSVOA_X
ClientSampleId :
VX0405WBSD02

Tot Ion: 43 Resp: 75834
Ion Ratio Lower Upper
43 100
61 13.7 10.3 15.5
70 9.9 7.6 11.4



#38
Carbon Tetrachloride
Concen: 17.325 ug/l
RT: 5.79 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX008693.D
Acq: 05 Apr 2019 19:43

Tgt Ion: 117 Resp: 46305
Ion Ratio Lower Upper
117 100
119 93.9 75.0 112.6
121 30.9 24.3 36.5

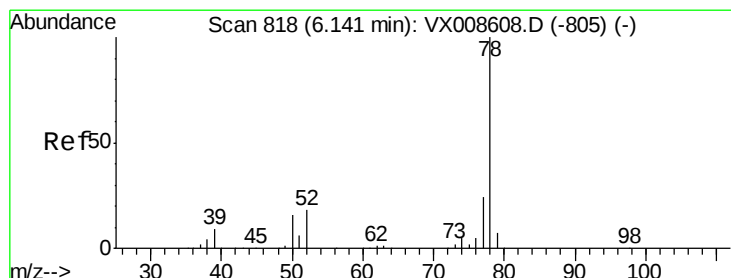
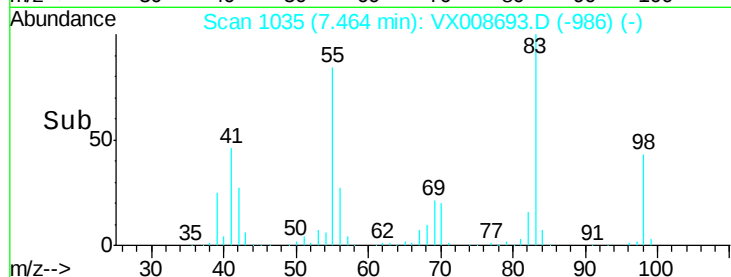
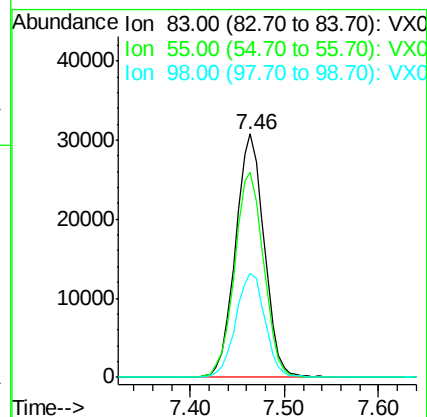
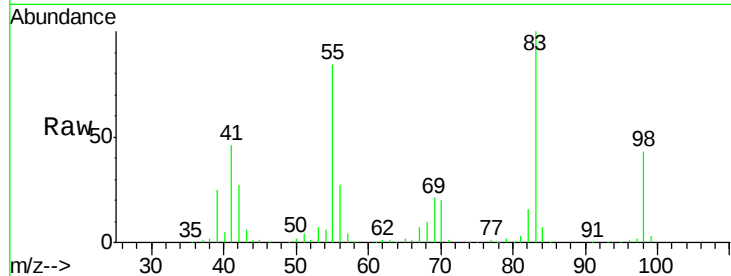




#39
Methvlcvclohexane
Concen: 16.340 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX008693.D
Acq: 05 Apr 2019 19:43

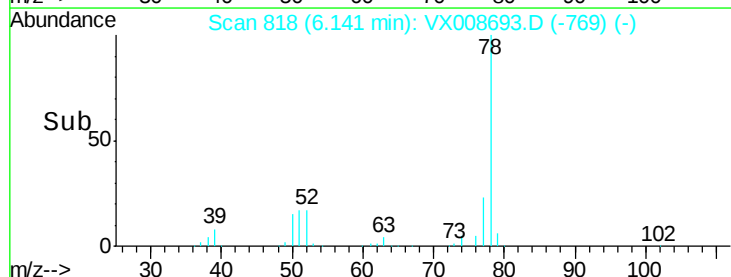
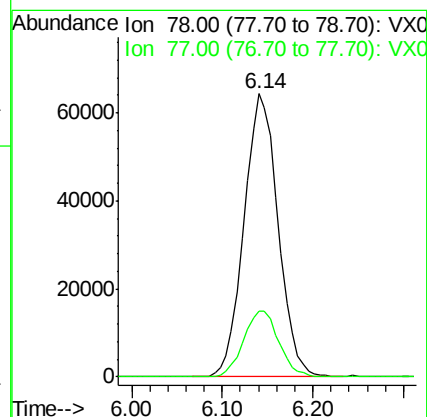
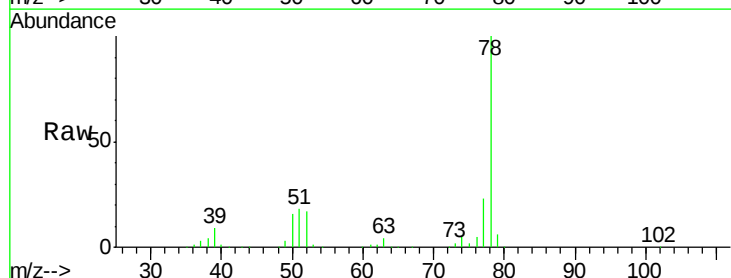
Instrument :
MSVOA_X
ClientSampleId :
VX0405WBSD02

Tot Ion: 83 Resp: 65182
Ion Ratio Lower Upper
83 100
55 84.4 69.0 103.6
98 42.6 34.4 51.6



#40
Benzene
Concen: 17.384 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX008693.D
Acq: 05 Apr 2019 19:43

Tgt Ion: 78 Resp: 167233
Ion Ratio Lower Upper
78 100
77 23.4 19.1 28.7

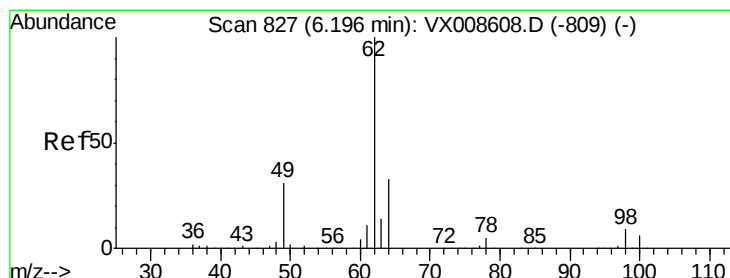
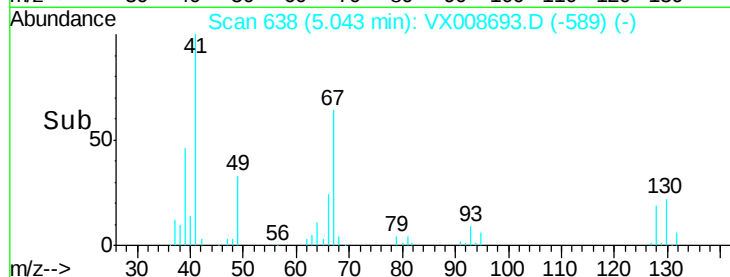
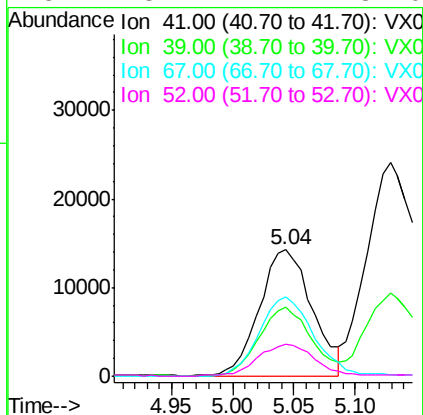
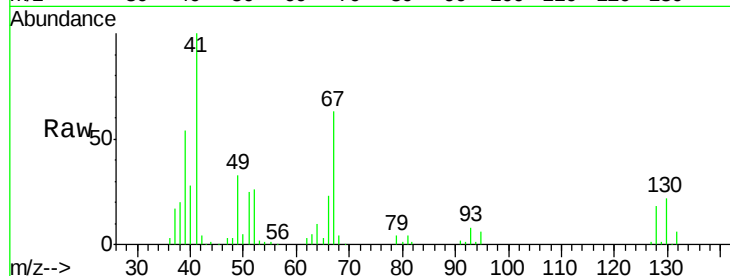




#41
Methacrylonitrile
Concen: 17.120 ug/l
RT: 5.04 min Scan# 638
Delta R.T. -0.00 min
Lab File: VX008693.D
Acq: 05 Apr 2019 19:43

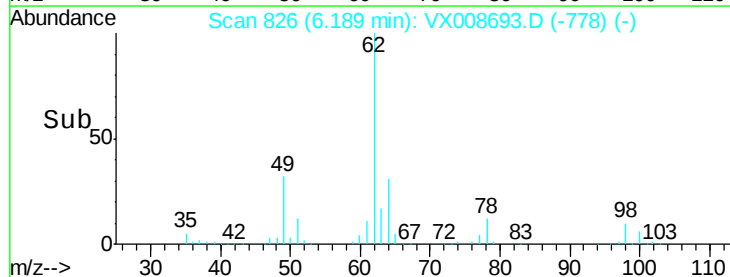
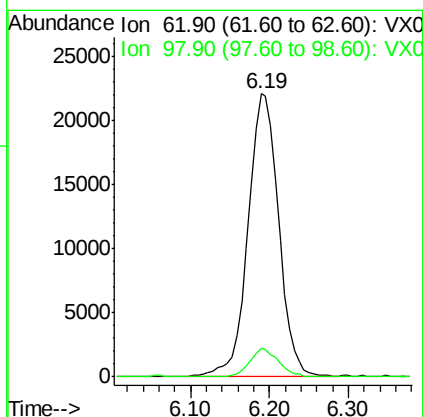
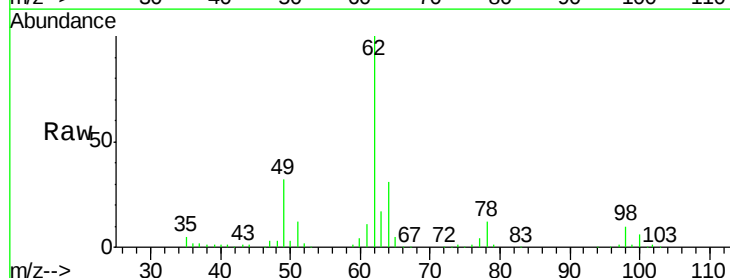
Instrument :
MSVOA_X
ClientSampled :
VX0405WBSD02

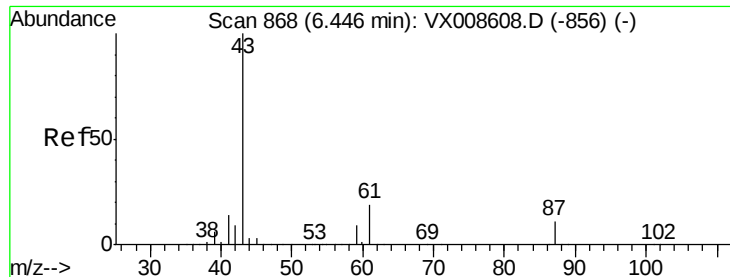
Tot Ion:	41	Resp:	42417
Ion	Ratio	Lower	Upper
41	100		
39	55.0	42.1	63.1
67	65.9	51.0	76.6
52	28.1	21.4	32.0



#42
1,2-Dichloroethane
Concen: 17.327 ug/l
RT: 6.19 min Scan# 826
Delta R.T. -0.01 min
Lab File: VX008693.D
Acq: 05 Apr 2019 19:43

Tgt Ion:	62	Resp:	59758
Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	18.0





#43

Isopropyl Acetate

Concen: 17.698 ug/l

RT: 6.45 min Scan# 868

Delta R.T. -0.00 min

Lab File: VX008693.D

Acq: 05 Apr 2019 19:43

Instrument :

MSVOA_X

ClientSampleId :

VX0405WBSD02

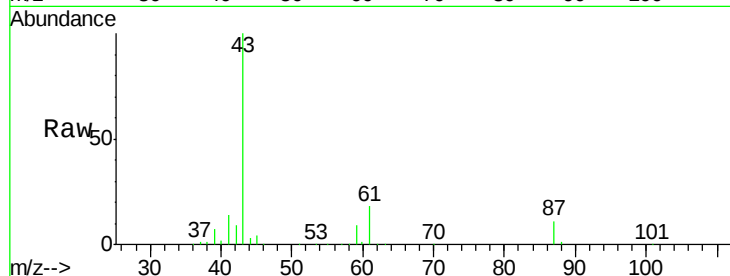
Tot Ion: 43 Resp: 119499

Ion Ratio Lower Upper

43 100

61 18.9 15.3 22.9

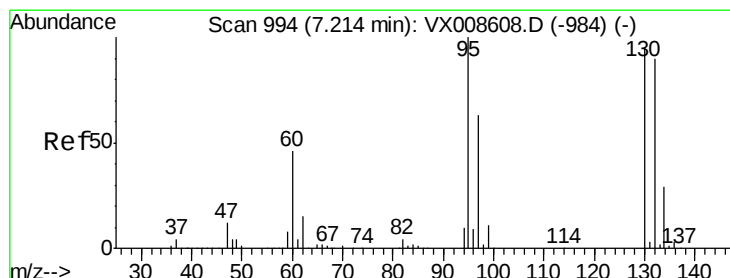
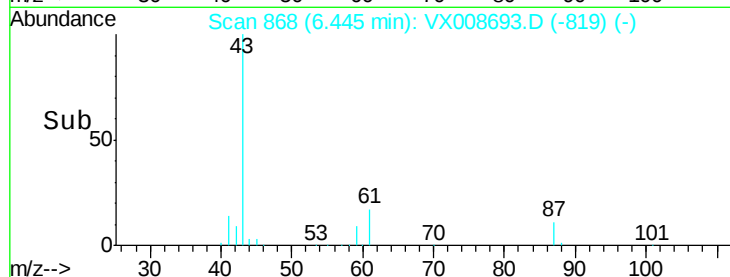
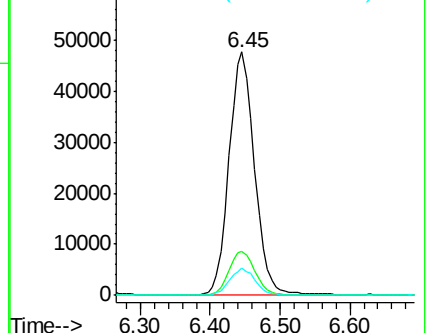
87 11.3 9.0 13.6



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: 17.164 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX008693.D

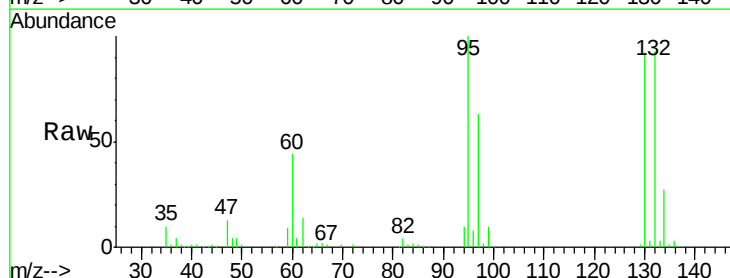
Acq: 05 Apr 2019 19:43

Tgt Ion:130 Resp: 38458

Ion Ratio Lower Upper

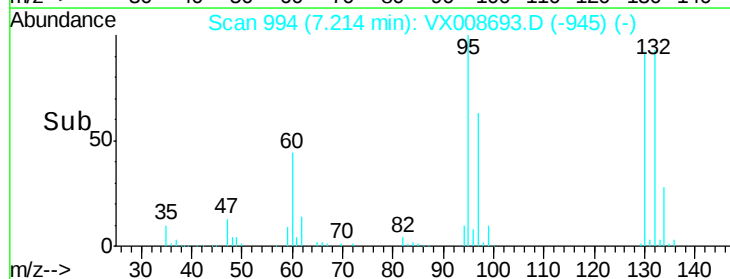
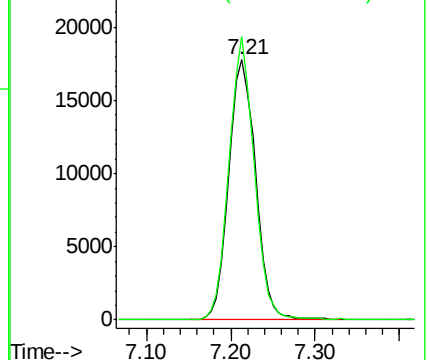
130 100

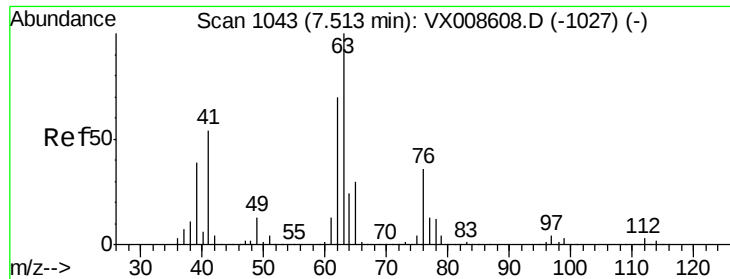
95 108.8 0.0 209.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#45

1,2-Dichloropropane

Concen: 17.501 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VX008693.D

Acq: 05 Apr 2019 19:43

Instrument :

MSVOA_X

ClientSampleId :

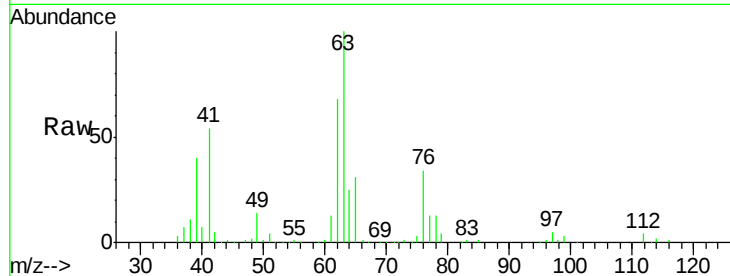
VX0405WBSD02

Tot Ion: 63 Resp: 48054

Ion Ratio Lower Upper

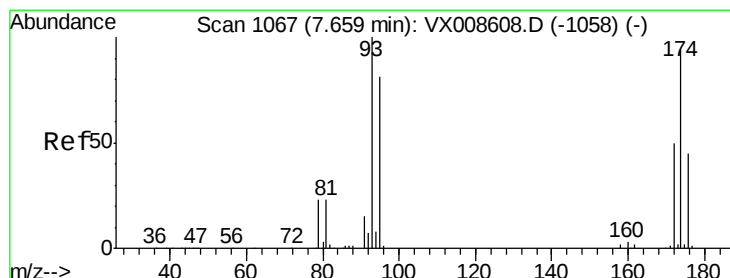
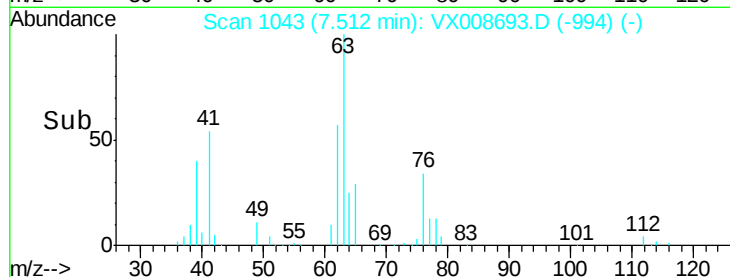
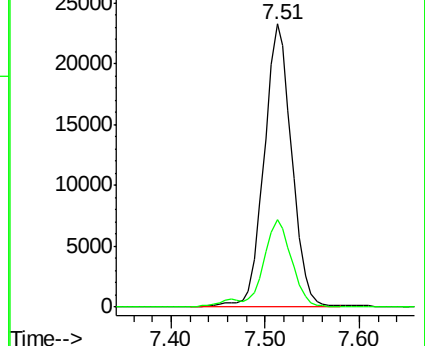
63 100

65 31.0 24.2 36.4



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 16.570 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX008693.D

Acq: 05 Apr 2019 19:43

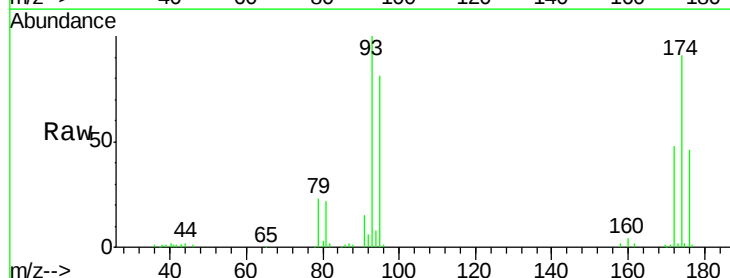
Tgt Ion: 93 Resp: 26388

Ion Ratio Lower Upper

93 100

95 85.6 66.6 99.8

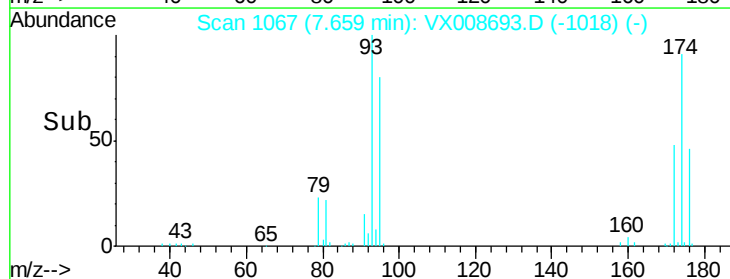
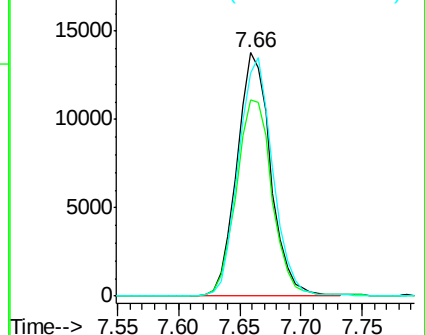
174 99.1 77.7 116.5

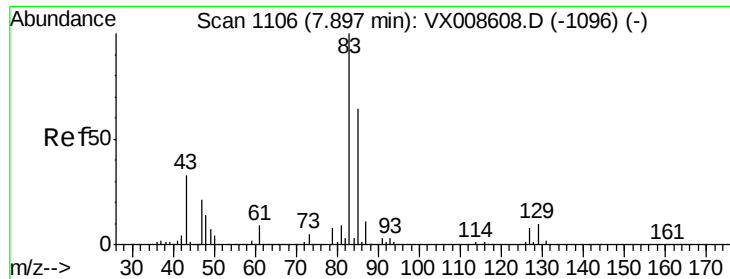


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 17.335 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX008693.D

Acq: 05 Apr 2019 19:43

Instrument :

MSVOA_X

ClientSampleId :

VX0405WBSD02

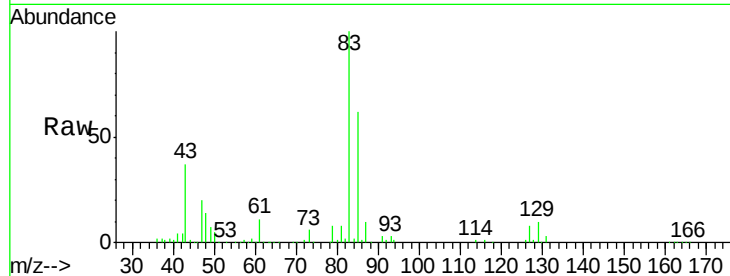
Tot Ion: 83 Resp: 52051

Ion Ratio Lower Upper

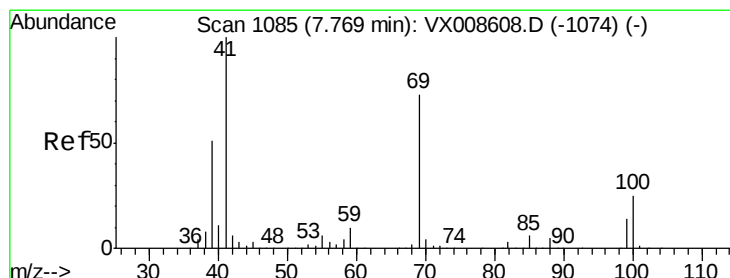
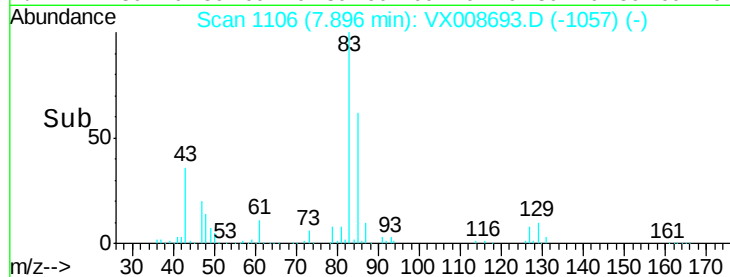
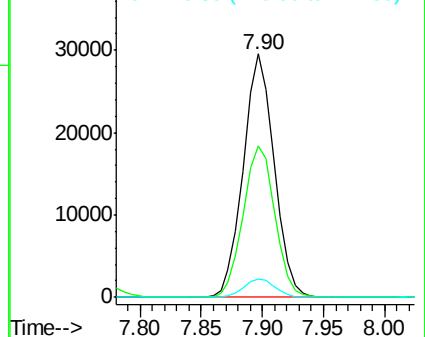
83 100

85 62.3 51.2 76.8

127 7.5 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: 17.738 ug/l

RT: 7.77 min Scan# 1085

Delta R.T. -0.00 min

Lab File: VX008693.D

Acq: 05 Apr 2019 19:43

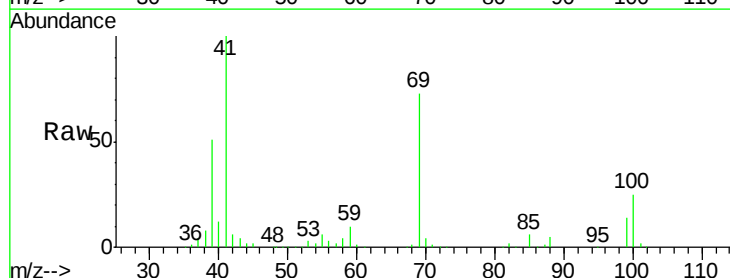
Tgt Ion: 41 Resp: 60586

Ion Ratio Lower Upper

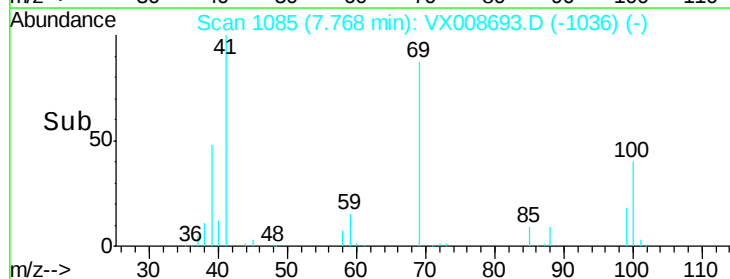
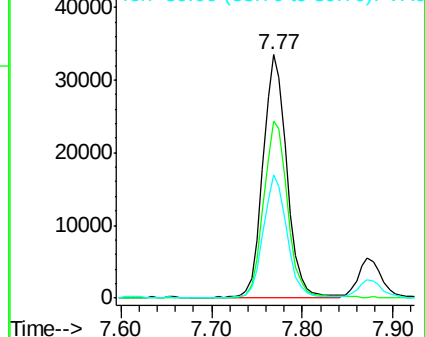
41 100

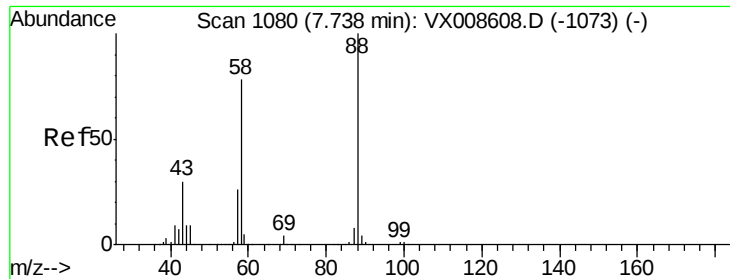
69 74.1 59.0 88.4

39 50.1 41.0 61.4



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: 374.663 ug/l

RT: 7.74 min Scan# 1080

Delta R.T. -0.00 min

Lab File: VX008693.D

Acq: 05 Apr 2019 19:43

Instrument :

MSVOA_X

ClientSampleId :

VX0405WBSD02

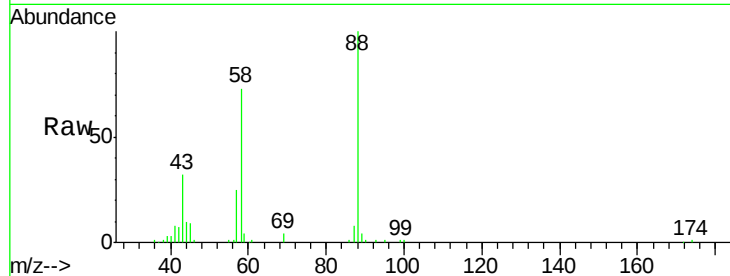
Tot Ion: 88 Resp: 23972

Ion Ratio Lower Upper

88 100

43 36.3 28.6 43.0

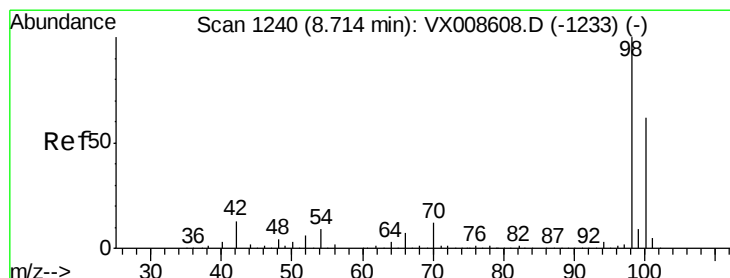
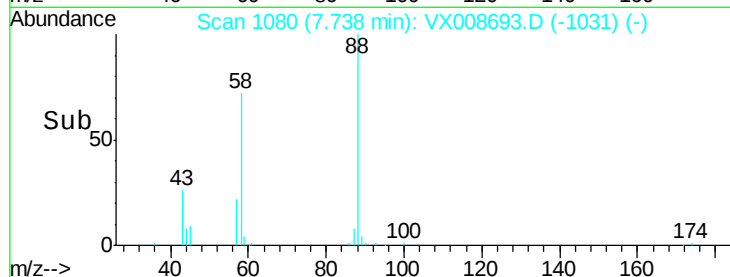
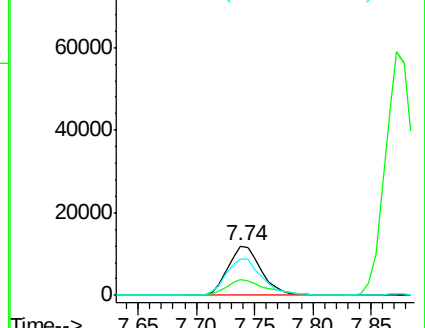
58 79.3 62.2 93.2



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: 48.331 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX008693.D

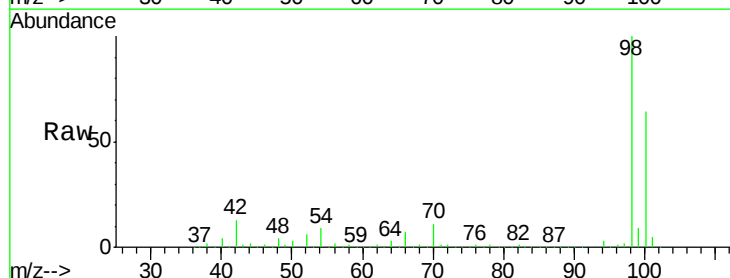
Acq: 05 Apr 2019 19:43

Tgt Ion: 98 Resp: 363482

Ion Ratio Lower Upper

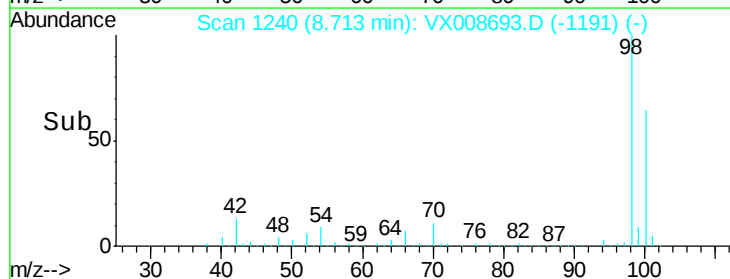
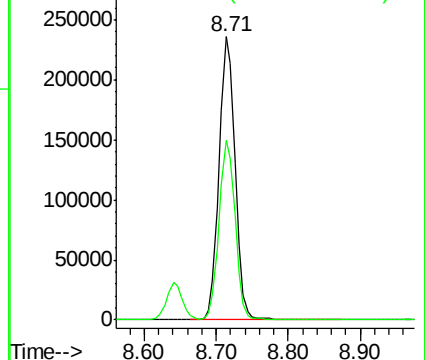
98 100

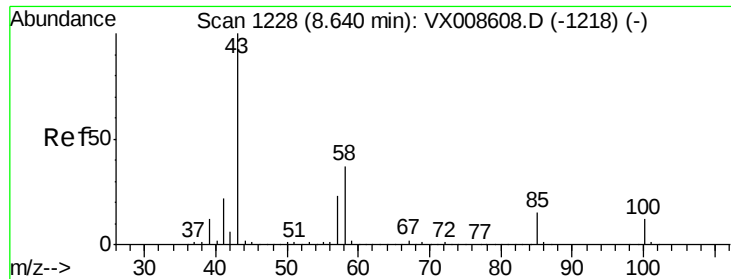
100 63.5 51.4 77.0



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: 90.518 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX008693.D

Acq: 05 Apr 2019 19:43

Instrument :

MSVOA_X

ClientSampleId :

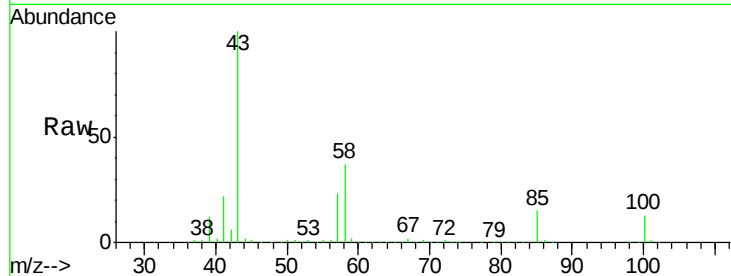
VX0405WBSD02

Tot Ion: 43 Resp: 393444

Ion Ratio Lower Upper

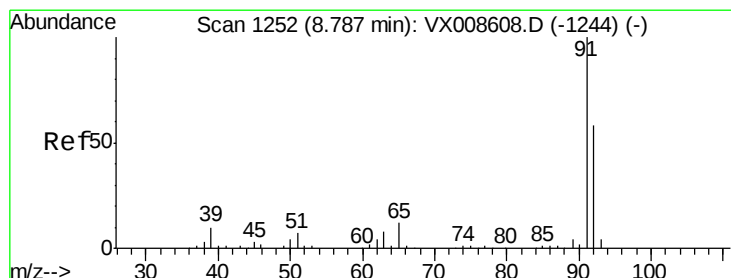
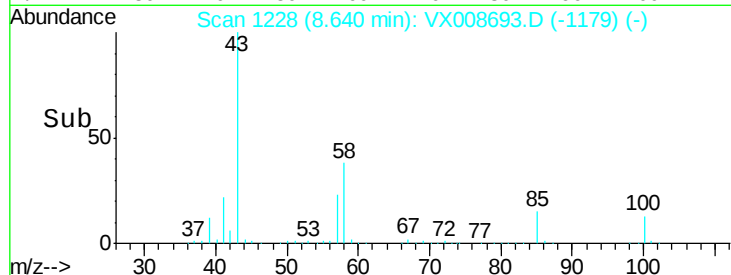
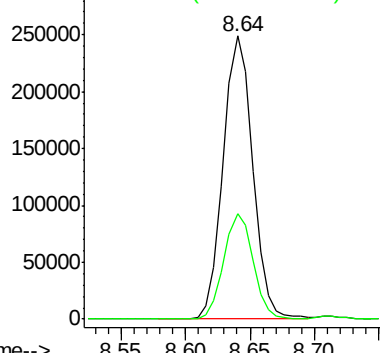
43 100

58 37.1 29.5 44.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 17.713 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX008693.D

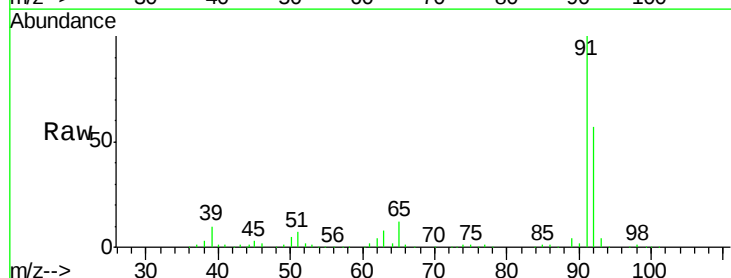
Acq: 05 Apr 2019 19:43

Tgt Ion: 92 Resp: 100458

Ion Ratio Lower Upper

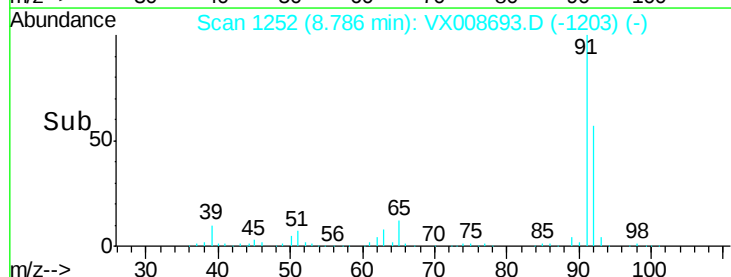
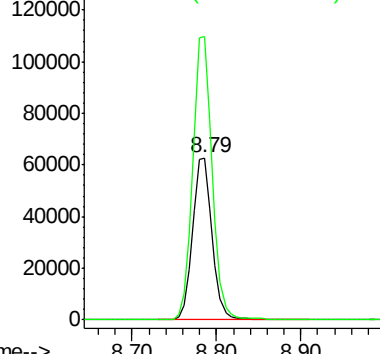
92 100

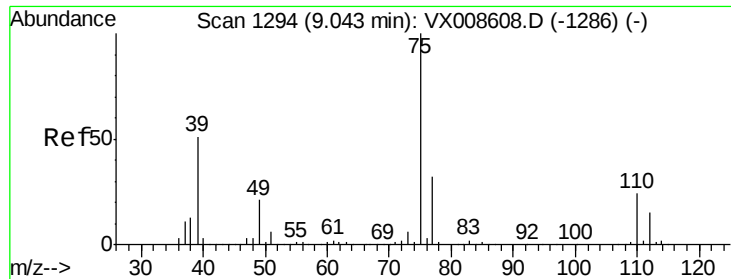
91 175.3 138.5 207.7



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

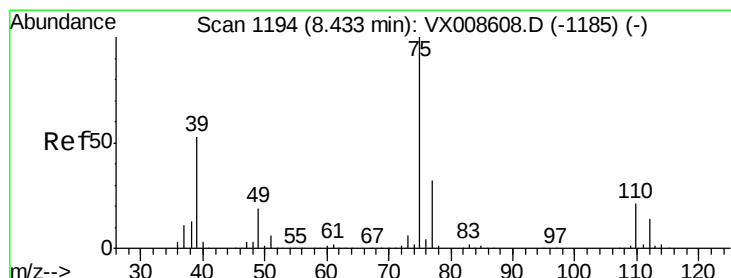
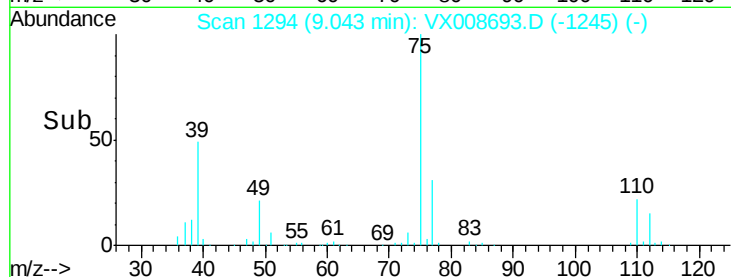
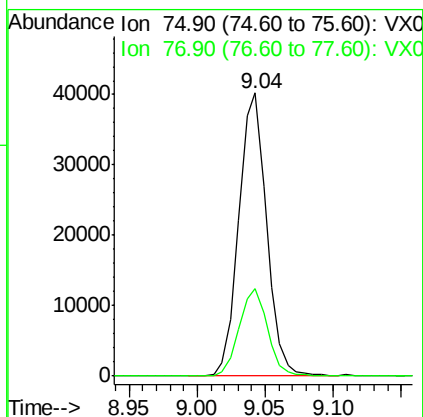
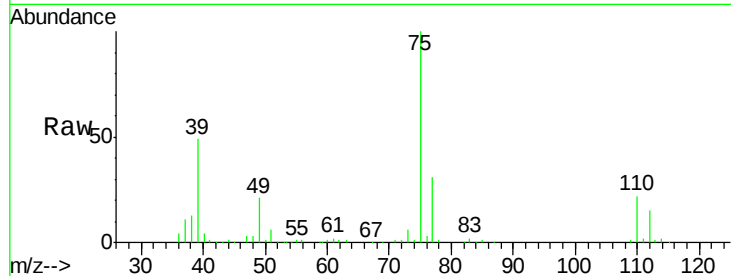




#53
 t-1,3-Dichloropropene
 Concen: 17.083 ug/l
 RT: 9.04 min Scan# 1294
 Delta R.T. -0.00 min
 Lab File: VX008693.D
 Acq: 05 Apr 2019 19:43

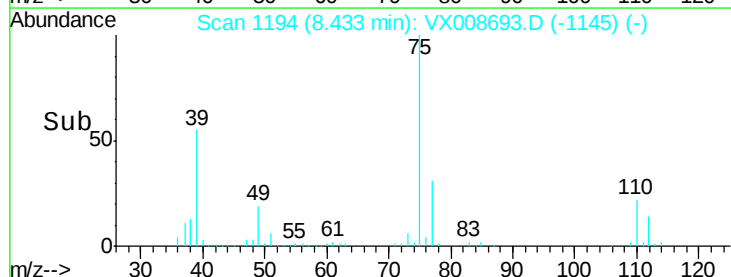
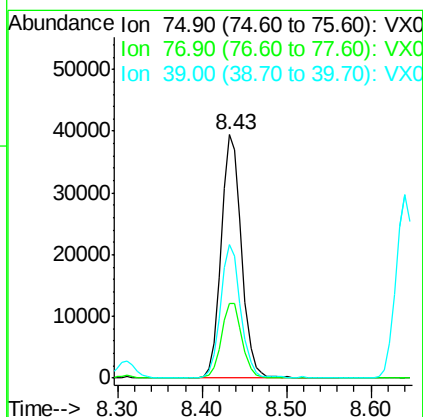
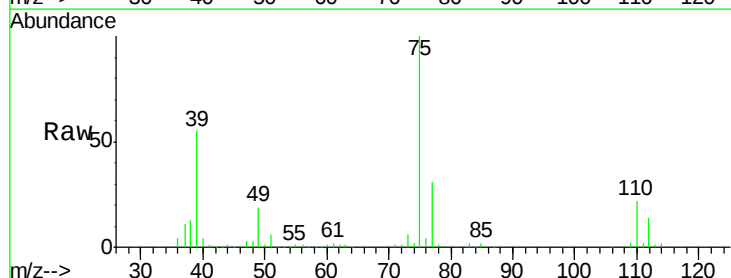
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0405WBSD02

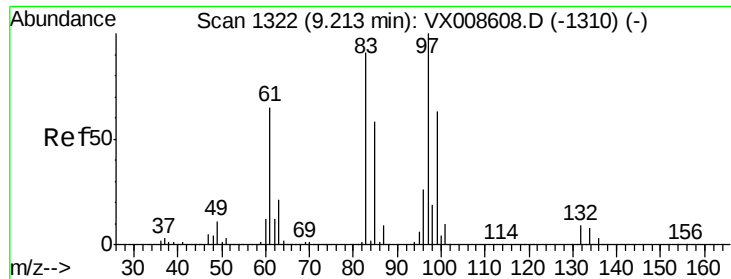
Tot Ion: 75 Resp: 57458
 Ion Ratio Lower Upper
 75 100
 77 31.0 25.2 37.8



#54
 cis-1,3-Dichloropropene
 Concen: 16.992 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. -0.00 min
 Lab File: VX008693.D
 Acq: 05 Apr 2019 19:43

Tgt Ion: 75 Resp: 65304
 Ion Ratio Lower Upper
 75 100
 77 30.7 25.3 37.9
 39 54.4 42.6 63.8

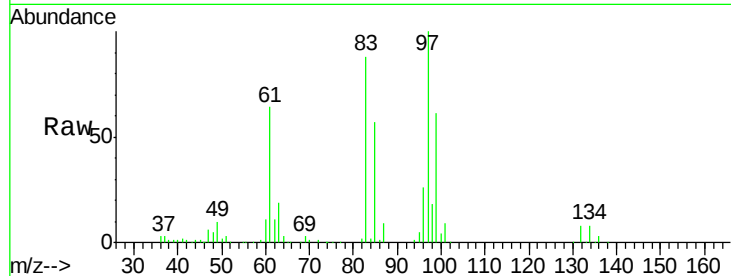




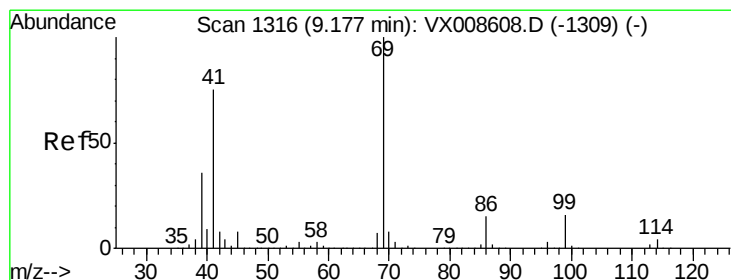
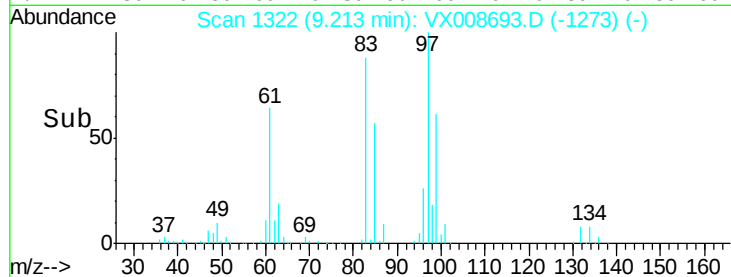
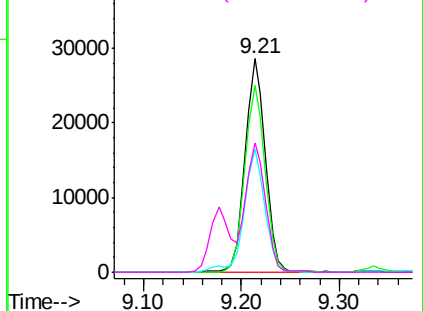
#55
 1,1,2-Trichloroethane
 Concen: 18.082 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX008693.D
 Acq: 05 Apr 2019 19:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0405WBSD02

Tot Ion: 97 Resp: 41165
 Ion Ratio Lower Upper
 97 100
 83 87.5 73.2 109.8
 85 57.4 46.6 69.8
 99 60.4 50.1 75.1

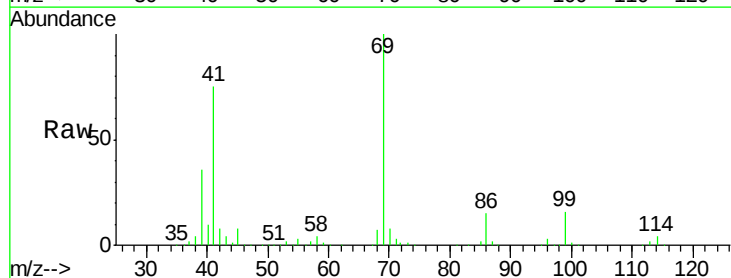


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

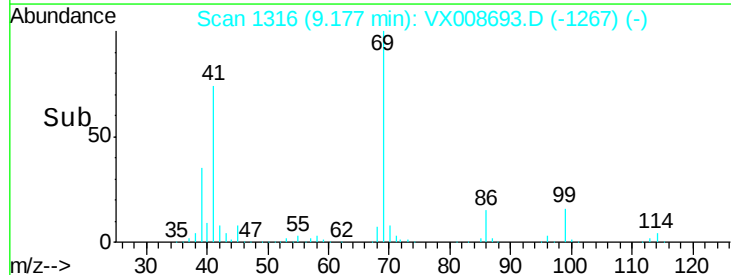
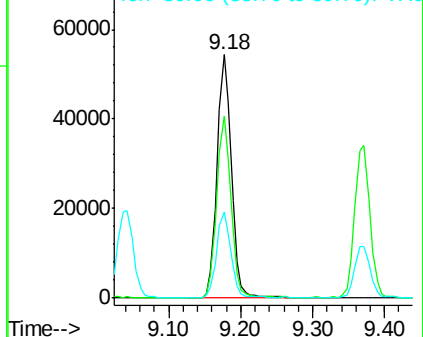


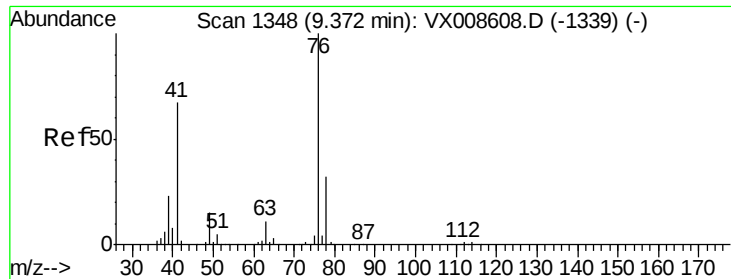
#56
 Ethyl methacrylate
 Concen: 18.299 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX008693.D
 Acq: 05 Apr 2019 19:43

Tgt Ion: 69 Resp: 75378
 Ion Ratio Lower Upper
 69 100
 41 73.7 60.1 90.1
 39 34.7 28.9 43.3



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

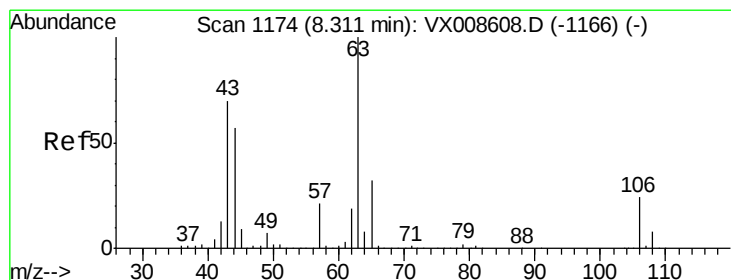
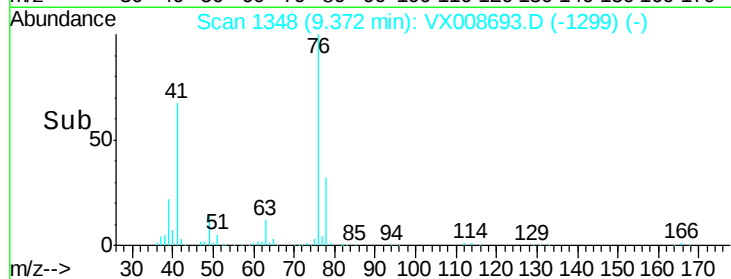
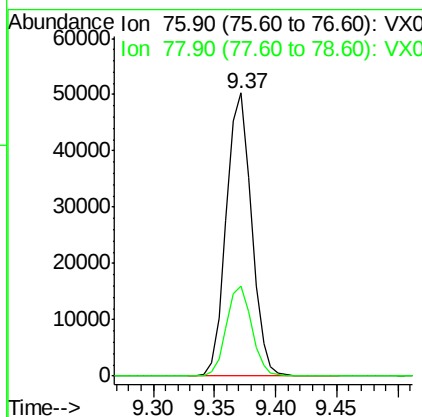
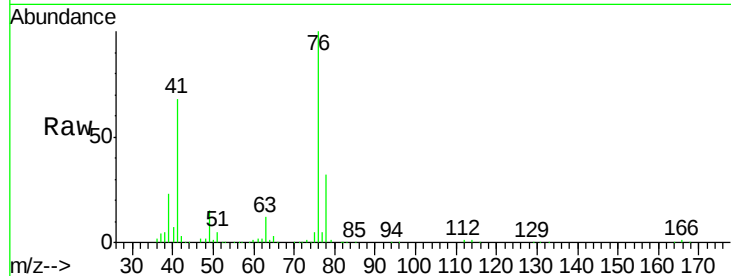




#57
 1,3-Dichloropropane
 Concen: 17.604 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VX008693.D
 Acq: 05 Apr 2019 19:43

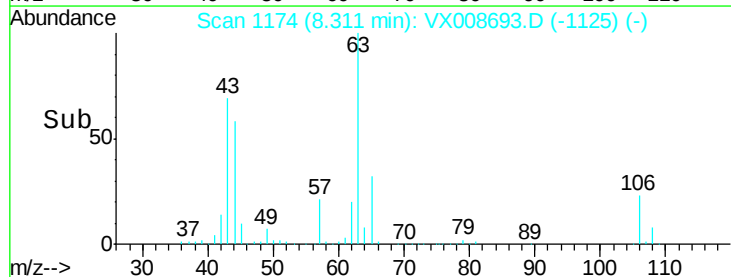
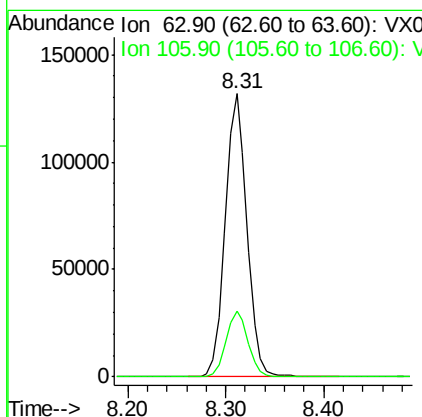
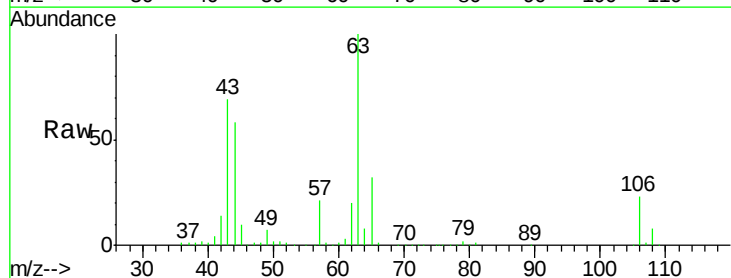
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0405WBSD02

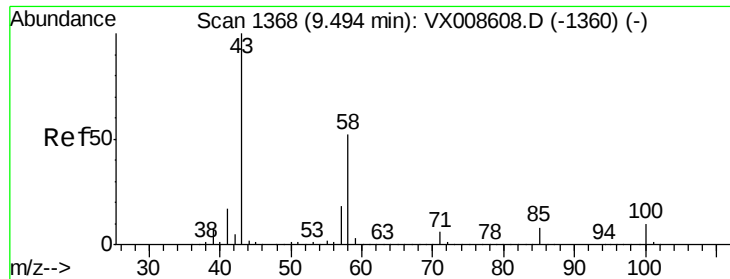
Tot Ion: 76 Resp: 71966
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.6 38.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 96.151 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. -0.00 min
 Lab File: VX008693.D
 Acq: 05 Apr 2019 19:43

Tgt Ion: 63 Resp: 202235
 Ion Ratio Lower Upper
 63 100
 106 23.5 19.0 28.6

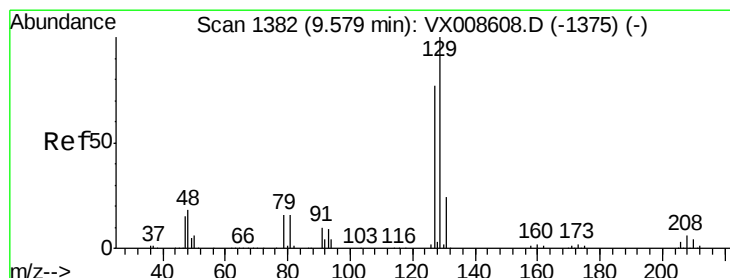
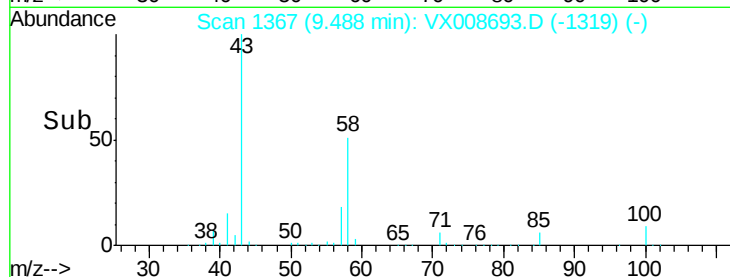
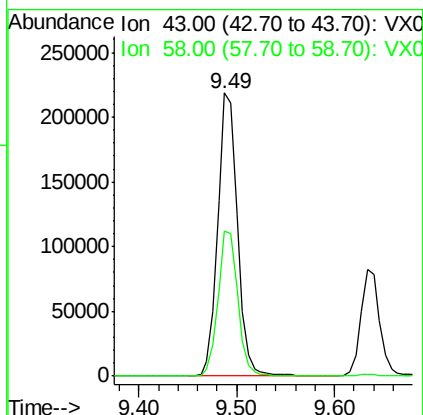
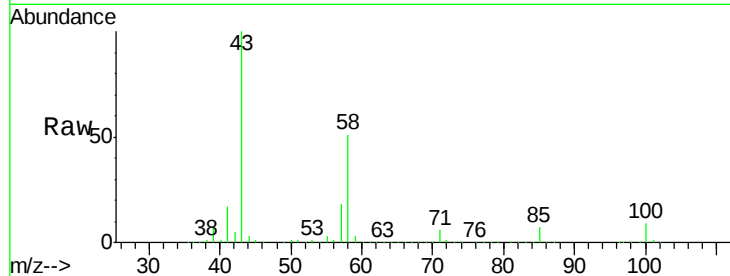




#59
2-Hexanone
Concen: 90.776 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.01 min
Lab File: VX008693.D
Acq: 05 Apr 2019 19:43

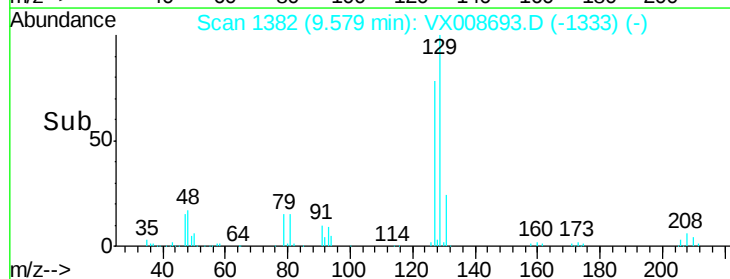
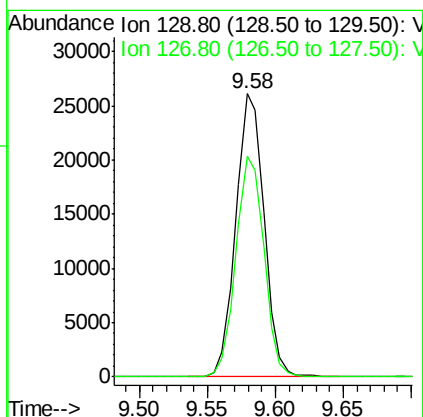
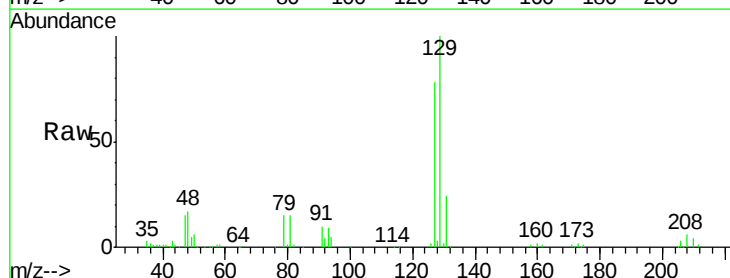
Instrument :
MSVOA_X
ClientSampleId :
VX0405WBSD02

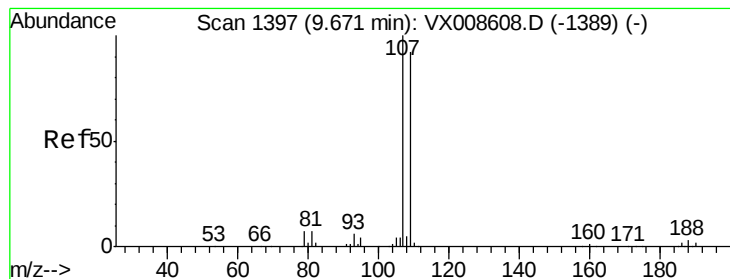
Tot Ion: 43 Resp: 306634
Ion Ratio Lower Upper
43 100
58 51.8 25.9 77.7



#60
Dibromochloromethane
Concen: 17.594 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX008693.D
Acq: 05 Apr 2019 19:43

Tgt Ion: 129 Resp: 37745
Ion Ratio Lower Upper
129 100
127 77.9 38.5 115.3





#61

1,2-Dibromoethane

Concen: 17.423 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX008693.D

Acq: 05 Apr 2019 19:43

Instrument :

MSVOA_X

ClientSampleId :

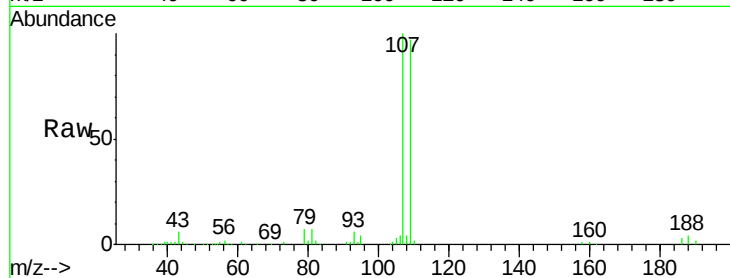
VX0405WBSD02

Tot Ion:107 Resp: 41294

Ion Ratio Lower Upper

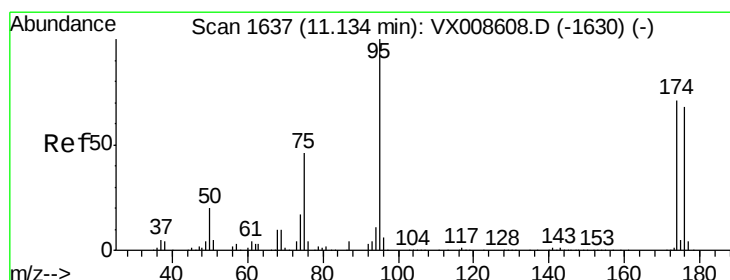
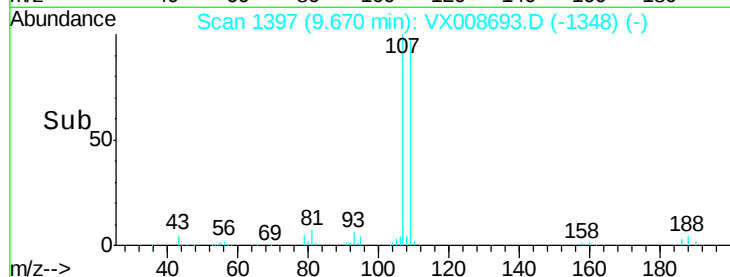
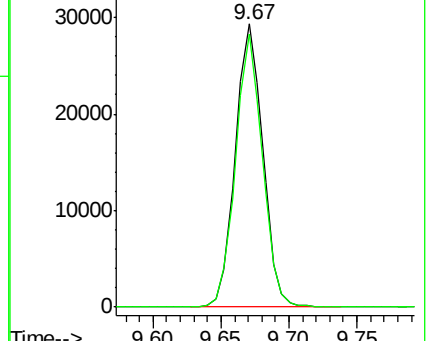
107 100

109 94.3 74.1 111.1



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 48.775 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008693.D

Acq: 05 Apr 2019 19:43

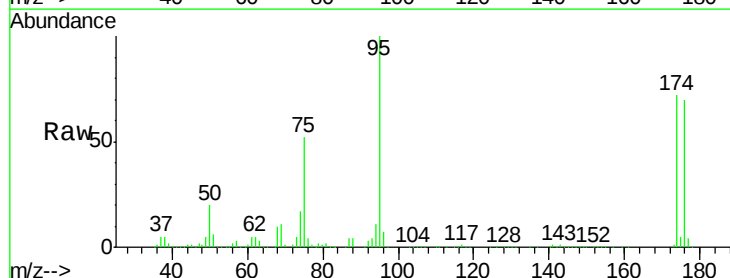
Tgt Ion: 95 Resp: 130079

Ion Ratio Lower Upper

95 100

174 76.9 0.0 151.8

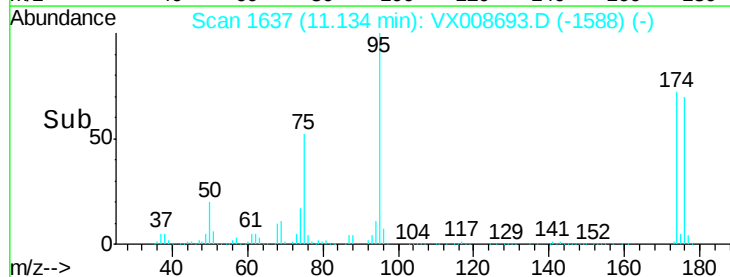
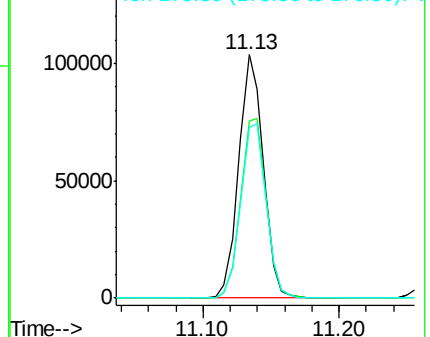
176 74.5 0.0 145.8

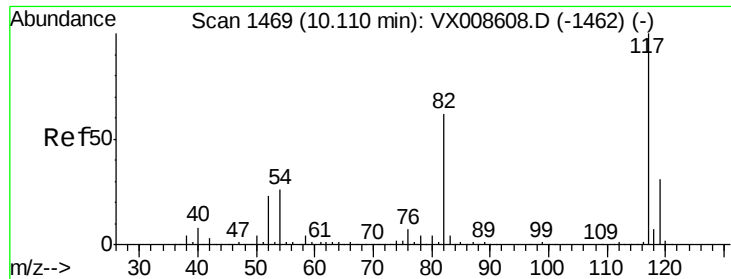


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

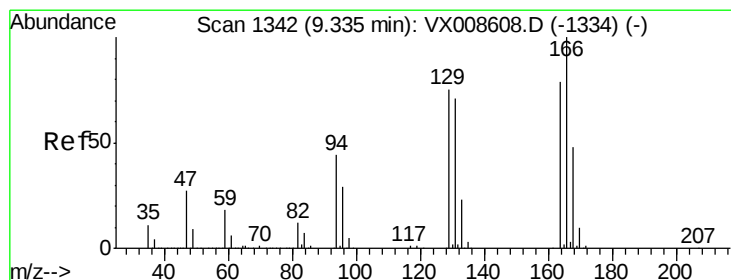
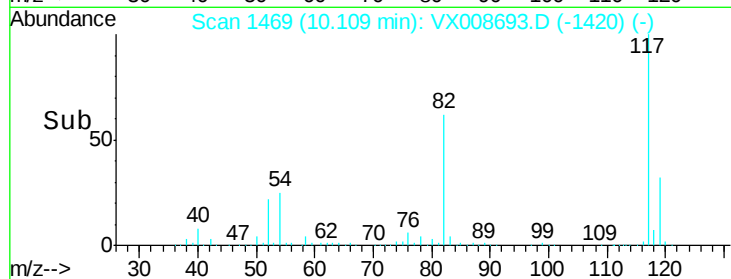
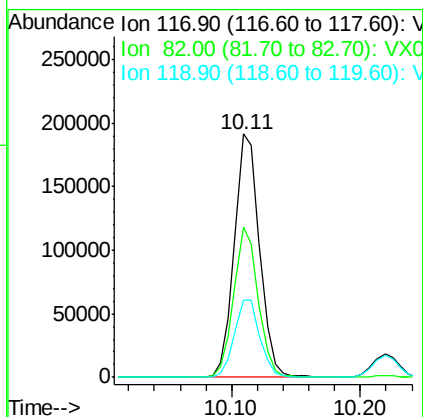
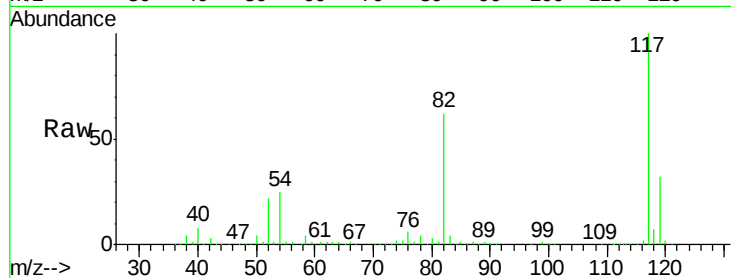




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX008693.D
Acq: 05 Apr 2019 19:43

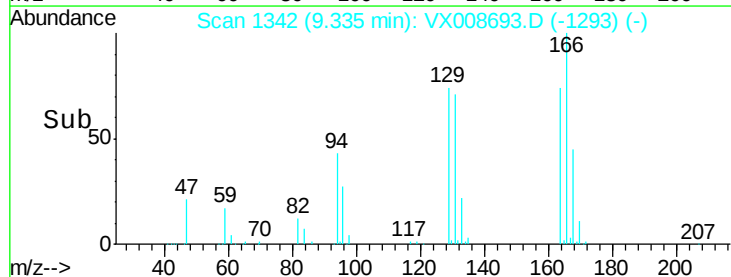
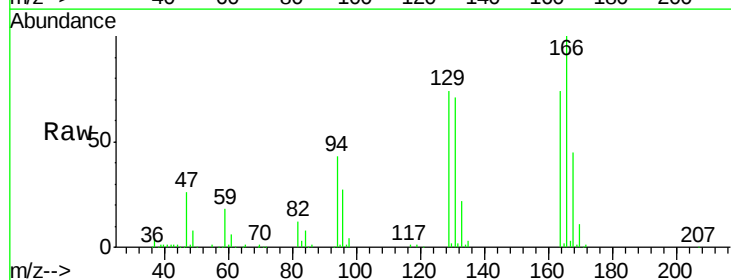
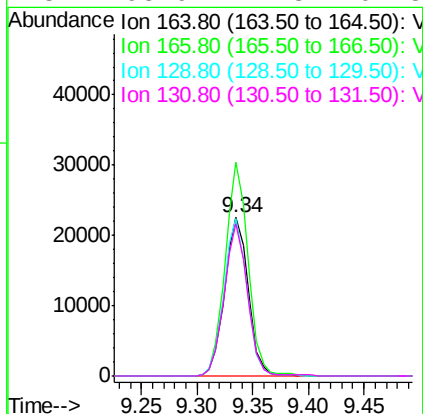
Instrument :
MSVOA_X
ClientSampleId :
VX0405WBSD02

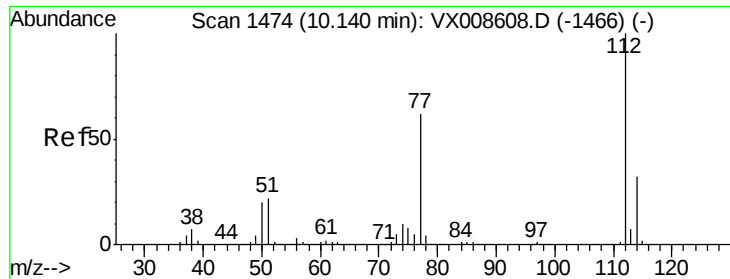
Tot Ion:117 Resp: 263301
Ion Ratio Lower Upper
117 100
82 61.6 49.6 74.4
119 31.9 25.0 37.4



#64
Tetrachloroethene
Concen: 16.987 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX008693.D
Acq: 05 Apr 2019 19:43

Tgt Ion:164 Resp: 33138
Ion Ratio Lower Upper
164 100
166 134.8 101.0 151.6
129 99.2 75.8 113.8
131 95.9 71.8 107.8





#65

Chlorobenzene

Concen: 17.431 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. -0.01 min

Lab File: VX008693.D

Acq: 05 Apr 2019 19:43

Instrument :

MSVOA_X

ClientSampleId :

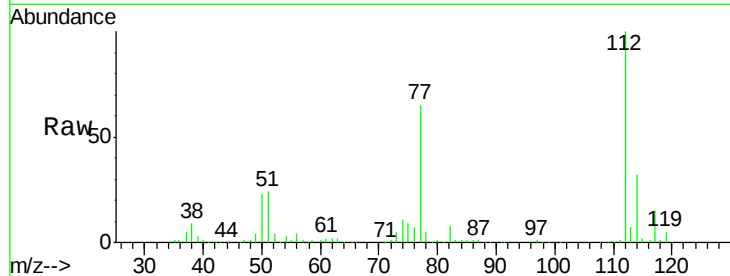
VX0405WBSD02

Tot Ion:112 Resp: 101736

Ion Ratio Lower Upper

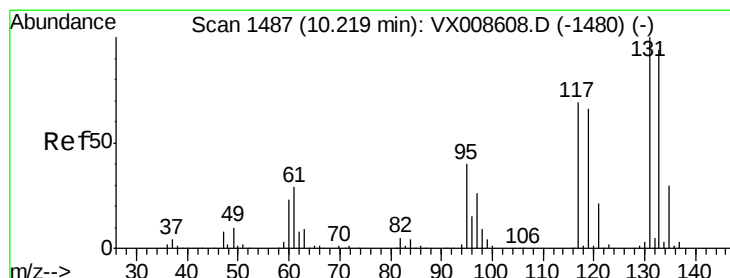
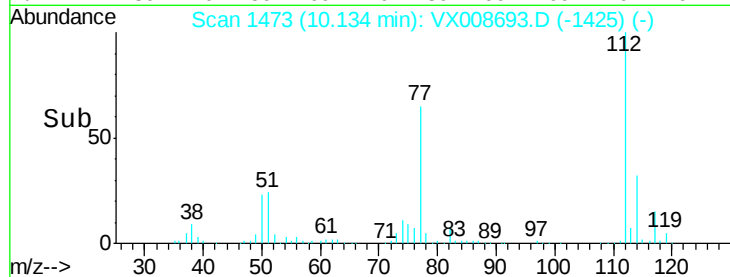
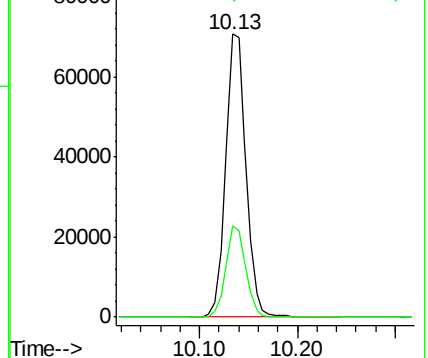
112 100

114 32.1 25.8 38.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 17.556 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX008693.D

Acq: 05 Apr 2019 19:43

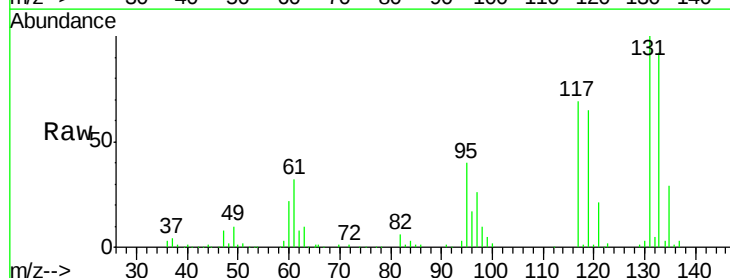
Tgt Ion:131 Resp: 35948

Ion Ratio Lower Upper

131 100

133 91.9 47.0 141.2

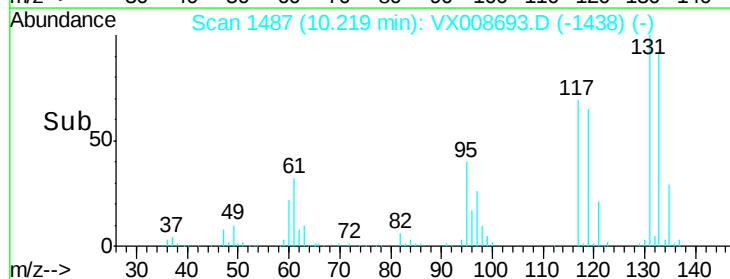
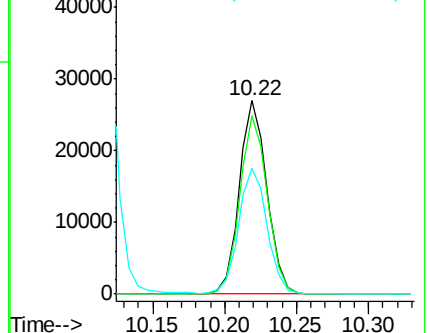
119 67.1 33.7 101.0

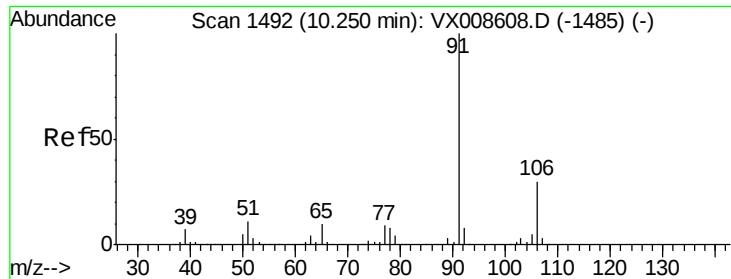


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

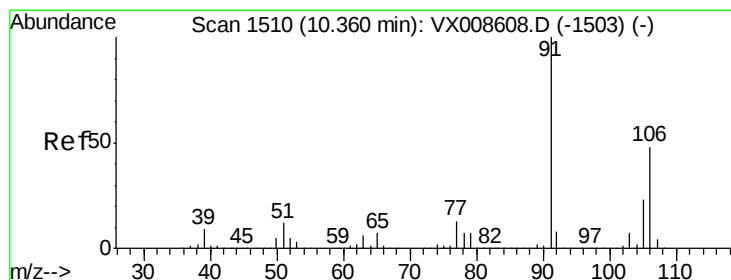
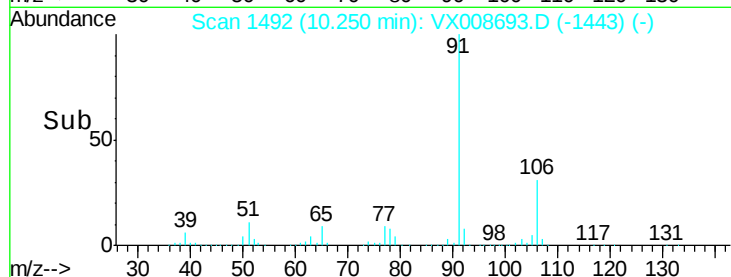
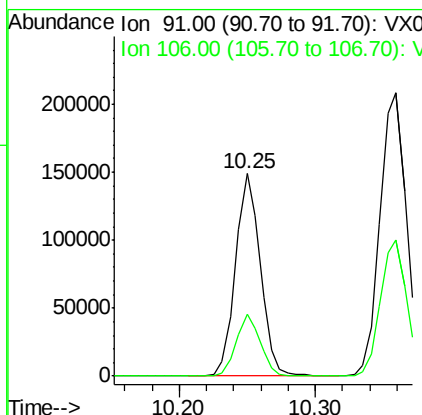
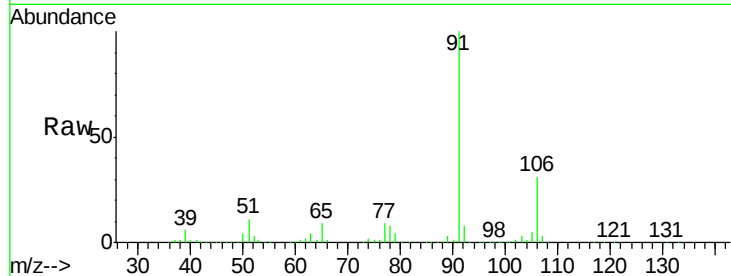




#67
Ethyl Benzene
Concen: 17.443 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX008693.D
Acq: 05 Apr 2019 19:43

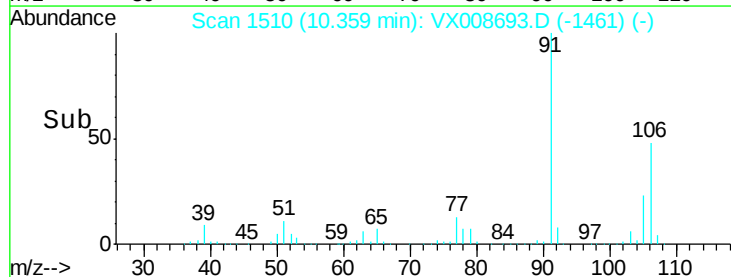
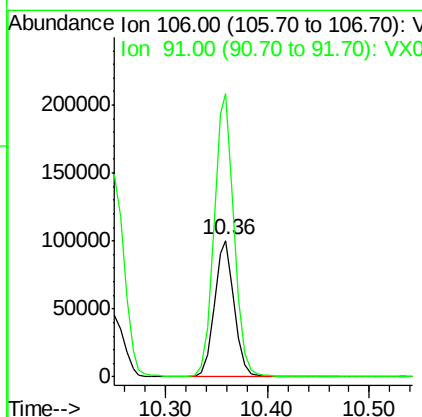
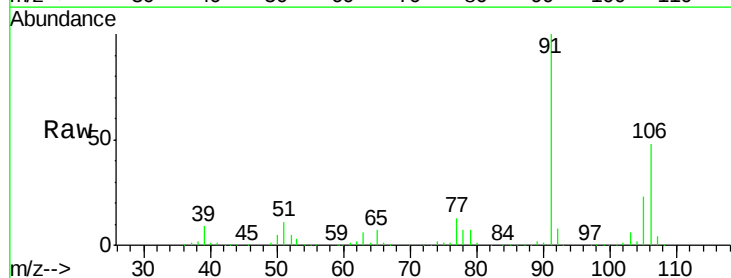
Instrument :
MSVOA_X
ClientSampleId :
VX0405WBSD02

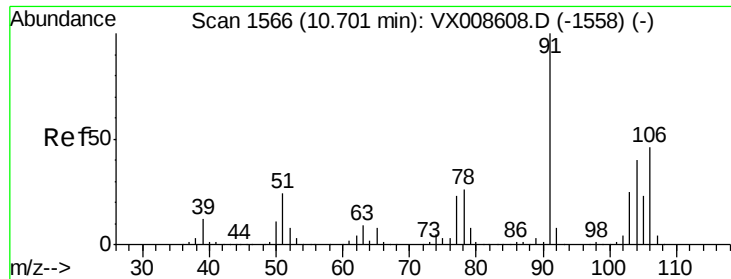
Tot Ion: 91 Resp: 189837
Ion Ratio Lower Upper
91 100
106 30.7 23.7 35.5



#68
m/p-Xylenes
Concen: 34.855 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX008693.D
Acq: 05 Apr 2019 19:43

Tgt Ion: 106 Resp: 136393
Ion Ratio Lower Upper
106 100
91 209.6 168.5 252.7

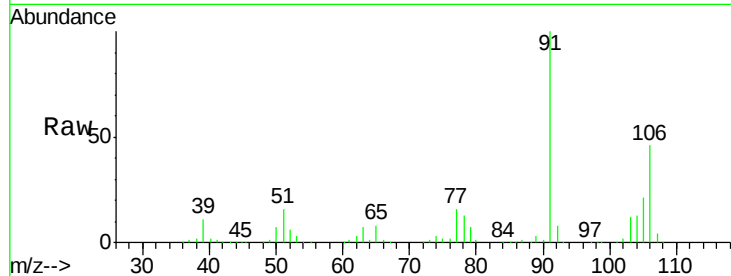




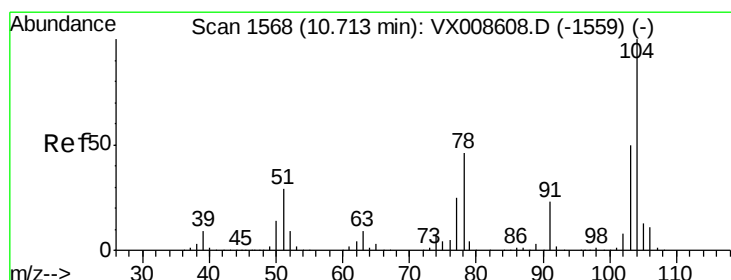
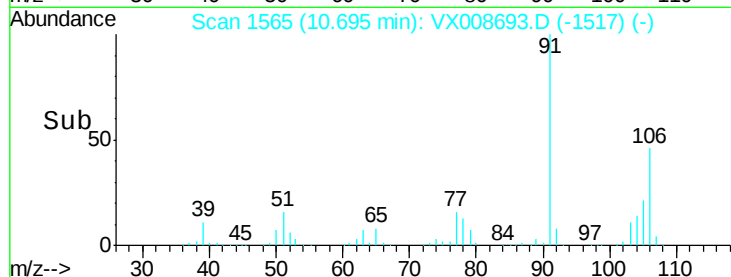
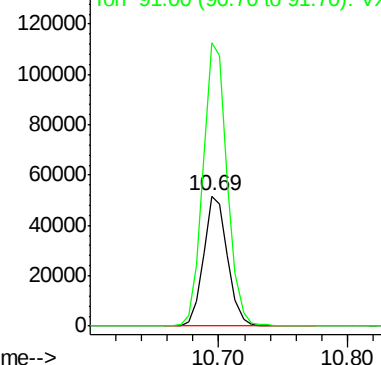
#69
o-Xylene
Concen: 17.807 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX008693.D
Acq: 05 Apr 2019 19:43

Instrument :
MSVOA_X
ClientSampleId :
VX0405WBSD02

Tot Ion:106 Resp: 67528
Ion Ratio Lower Upper
106 100
91 220.1 111.5 334.4

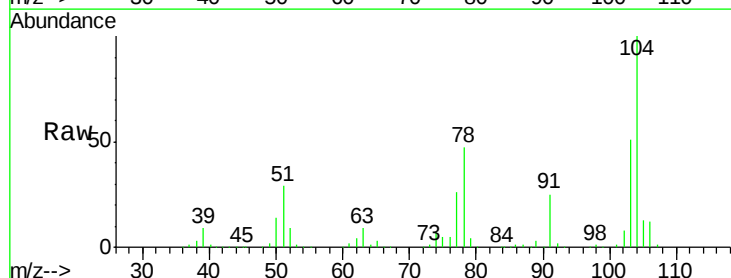


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

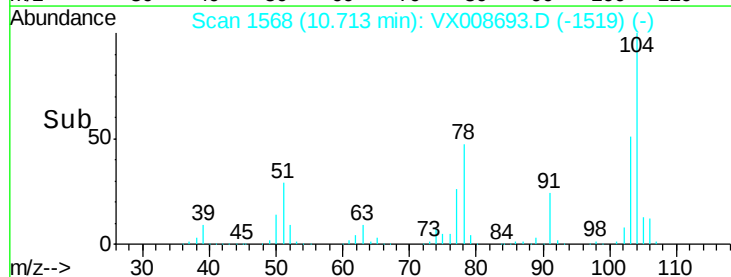
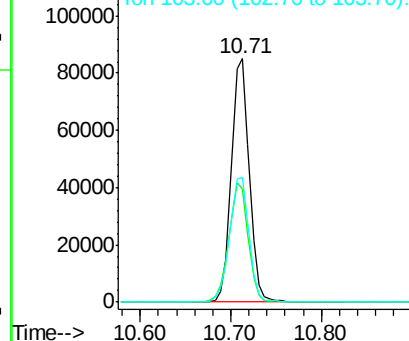


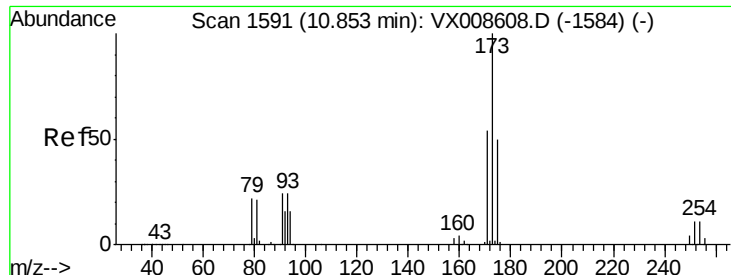
#70
Styrene
Concen: 17.822 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX008693.D
Acq: 05 Apr 2019 19:43

Tgt Ion:104 Resp: 116503
Ion Ratio Lower Upper
104 100
78 53.1 42.3 63.5
103 55.7 44.4 66.6



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: 17.392 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.00 min

Lab File: VX008693.D

Acq: 05 Apr 2019 19:43

Instrument :

MSVOA_X

ClientSampleId :

VX0405WBSD02

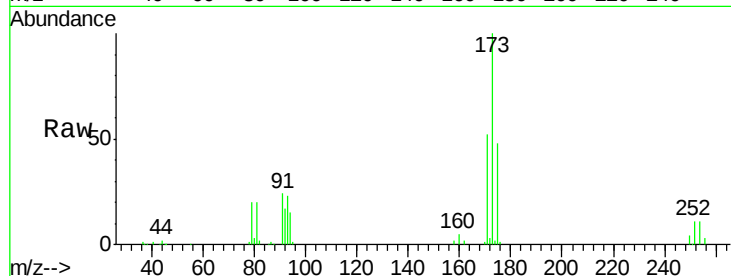
Tot Ion:173 Resp: 27198

Ion Ratio Lower Upper

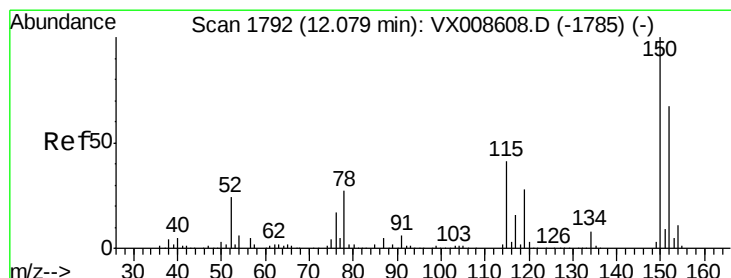
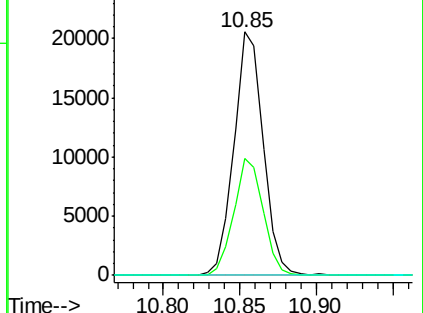
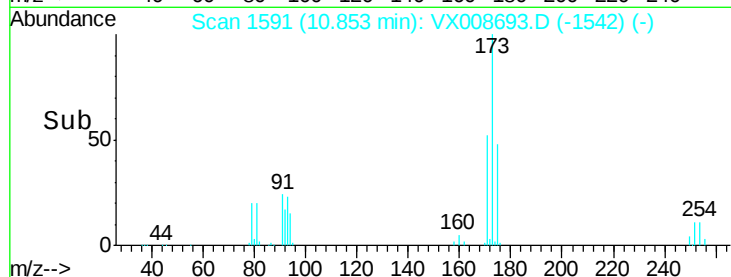
173 100

175 48.1 24.9 74.6

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: VX008693.D

Acq: 05 Apr 2019 19:43

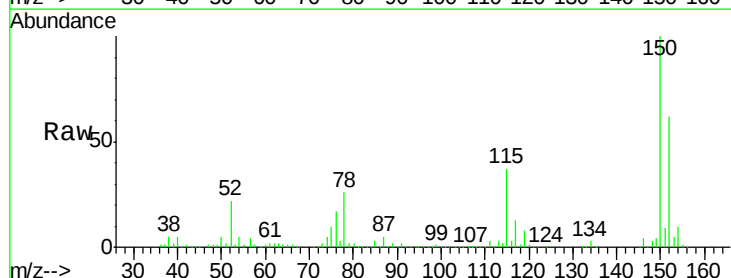
Tgt Ion:152 Resp: 121578

Ion Ratio Lower Upper

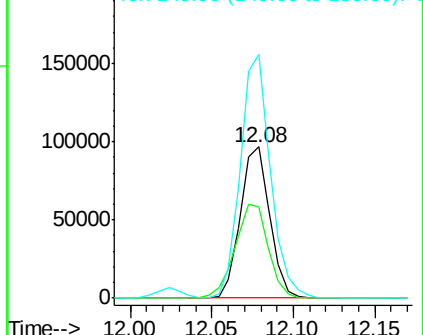
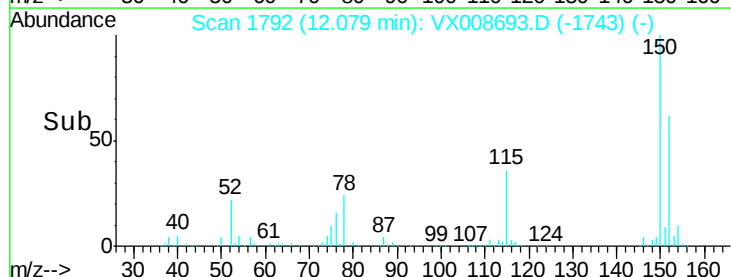
152 100

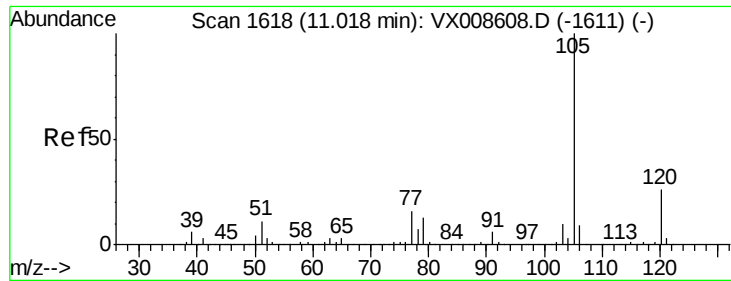
115 69.7 43.5 130.5

150 164.4 0.0 348.8



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: 17.692 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX008693.D

Acq: 05 Apr 2019 19:43

Instrument :

MSVOA_X

ClientSampleId :

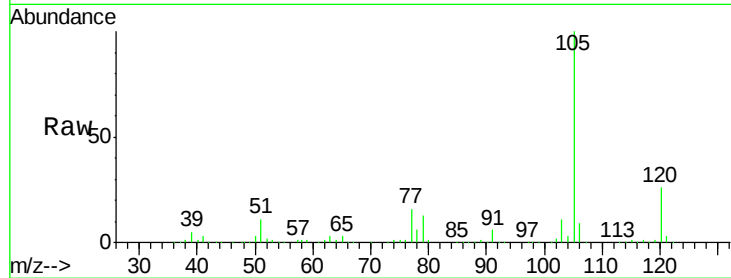
VX0405WBSD02

Tot Ion:105 Resp: 178254

Ion Ratio Lower Upper

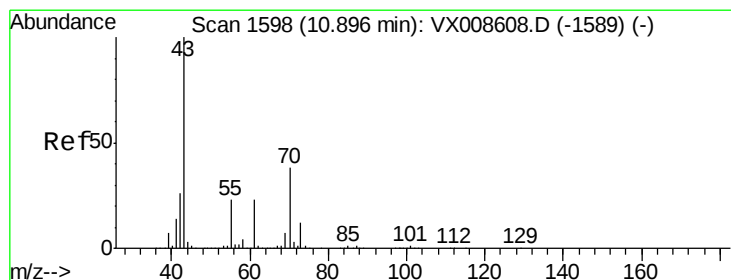
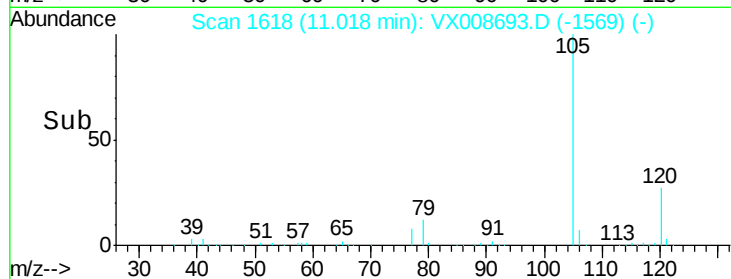
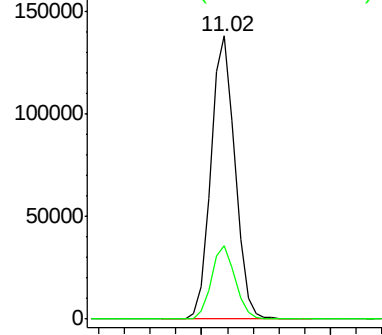
105 100

120 25.7 12.9 38.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 17.499 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX008693.D

Acq: 05 Apr 2019 19:43

Tgt Ion: 43 Resp: 103730

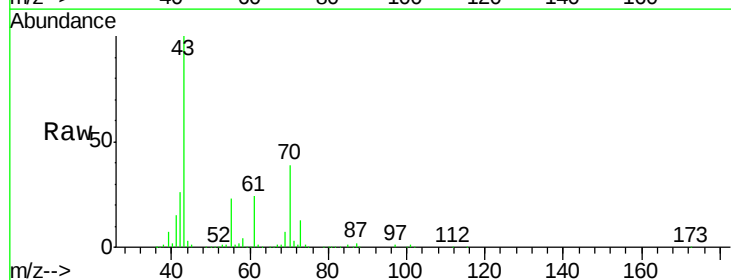
Ion Ratio Lower Upper

43 100

70 38.1 30.2 45.4

55 23.5 18.2 27.4

61 22.9 18.6 28.0

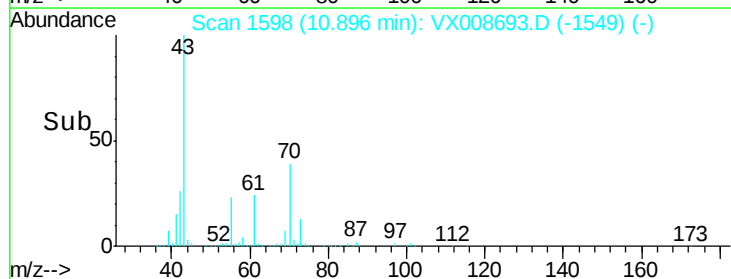
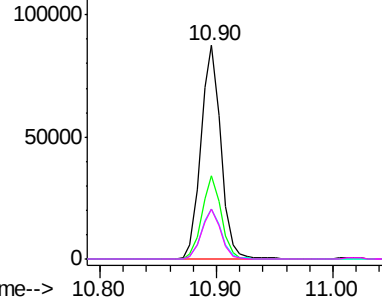


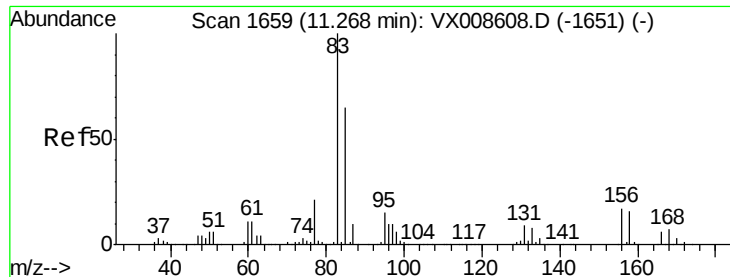
Abundance Ion 43.00 (42.70 to 43.70): VX0

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





#75

1,1,2,2-Tetrachloroethane

Concen: 17.629 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX008693.D

Acq: 05 Apr 2019 19:43

Instrument :

MSVOA_X

ClientSampleId :

VX0405WBSD02

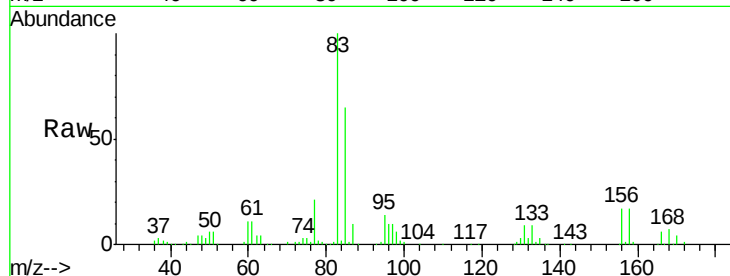
Tot Ion: 83 Resp: 67554

Ion Ratio Lower Upper

83 100

131 9.3 4.5 13.7

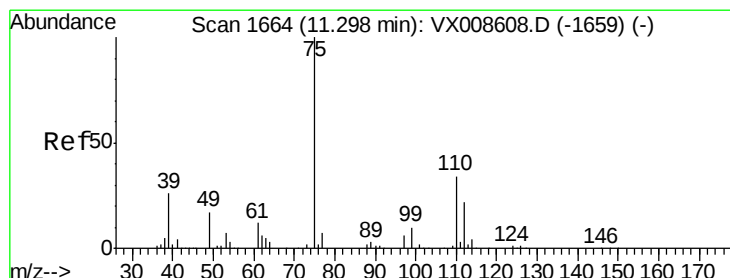
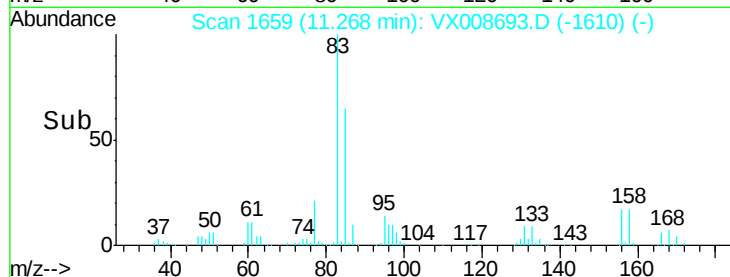
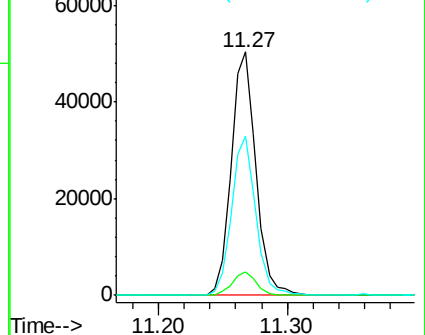
85 64.1 32.0 96.2



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): VX0

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 22.759 ug/l

RT: 11.29 min Scan# 1663

Delta R.T. -0.01 min

Lab File: VX008693.D

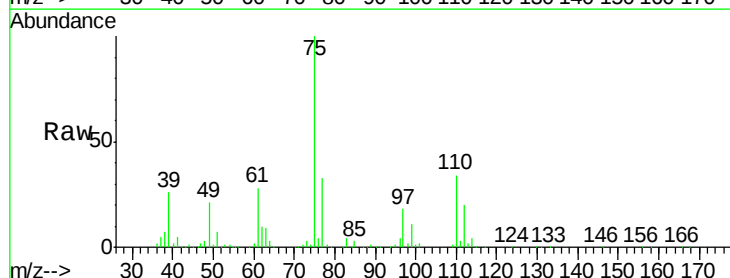
Acq: 05 Apr 2019 19:43

Tgt Ion: 75 Resp: 76012

Ion Ratio Lower Upper

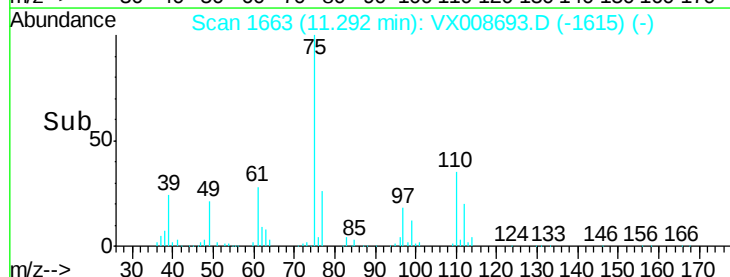
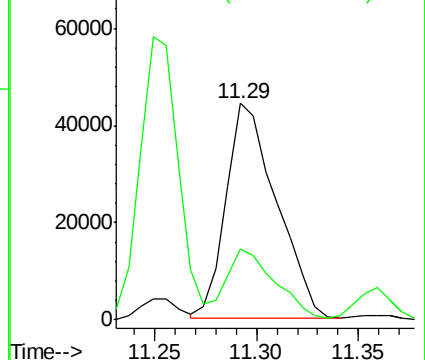
75 100

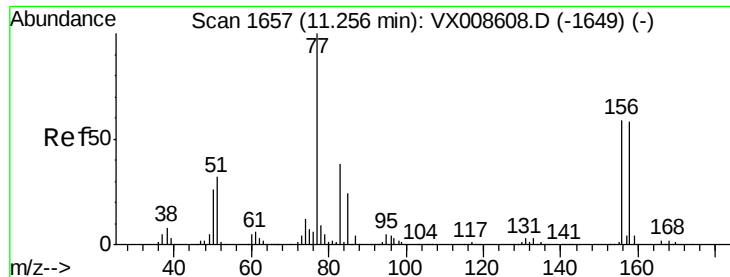
77 32.3 22.3 66.8



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 17.585 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX008693.D

Acq: 05 Apr 2019 19:43

Instrument :

MSVOA_X

ClientSampleId :

VX0405WBSD02

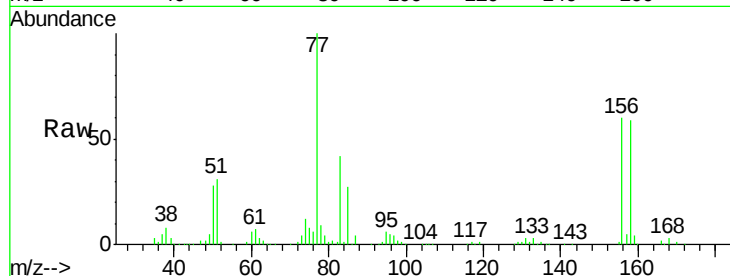
Tot Ion:156 Resp: 42594

Ion Ratio Lower Upper

156 100

77 178.3 89.8 269.6

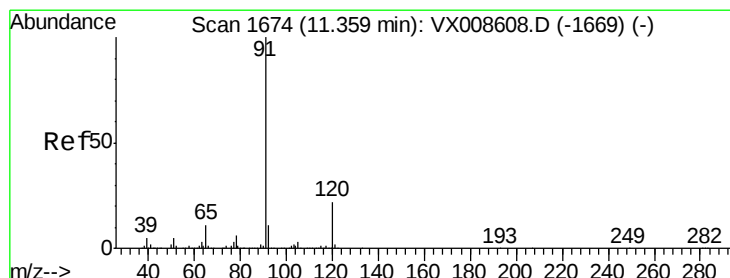
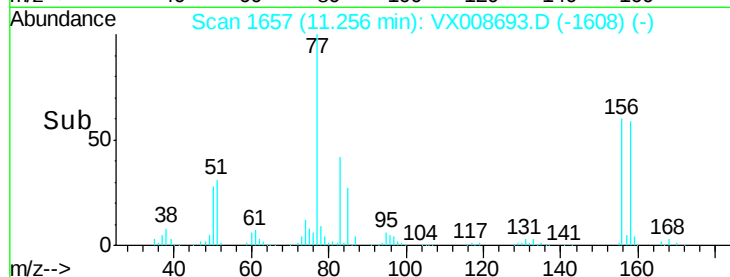
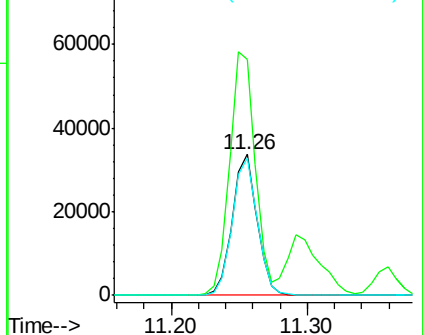
158 98.8 48.6 145.9



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: 17.381 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX008693.D

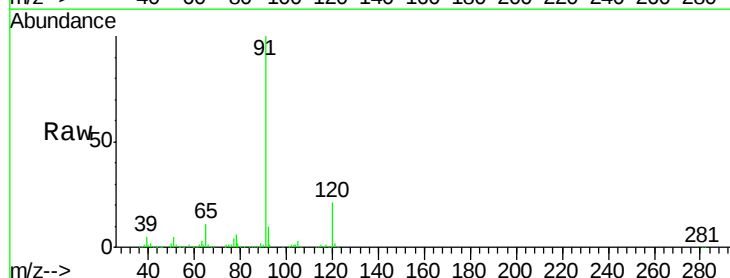
Acq: 05 Apr 2019 19:43

Tgt Ion: 91 Resp: 203902

Ion Ratio Lower Upper

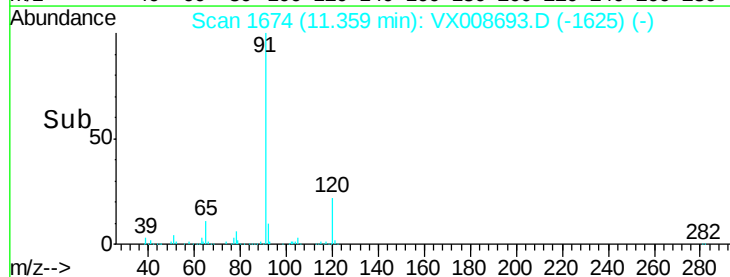
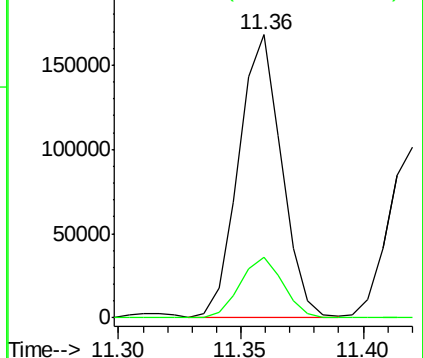
91 100

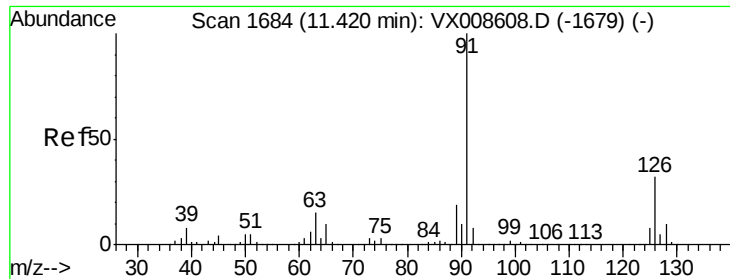
120 21.7 10.9 32.7



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

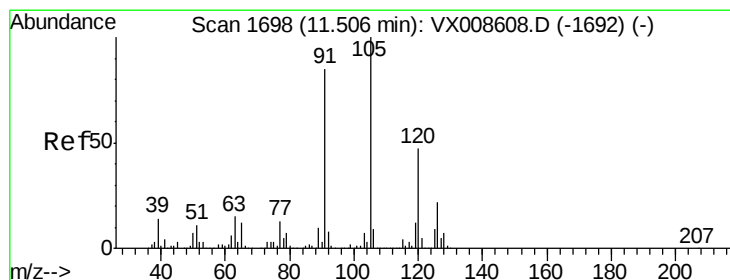
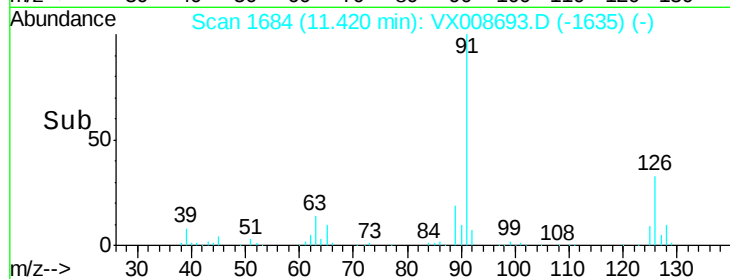
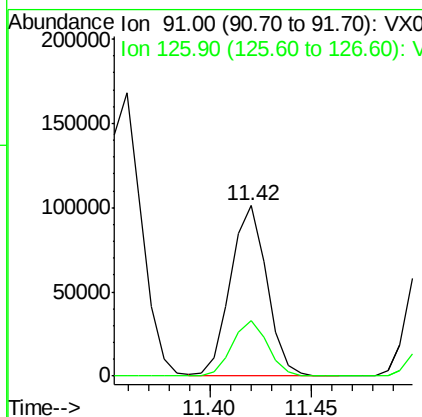
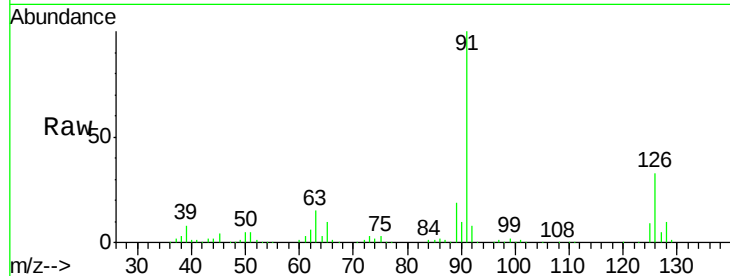




#79
 2-Chlorotoluene
 Concen: 17.516 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. -0.00 min
 Lab File: VX008693.D
 Acq: 05 Apr 2019 19:43

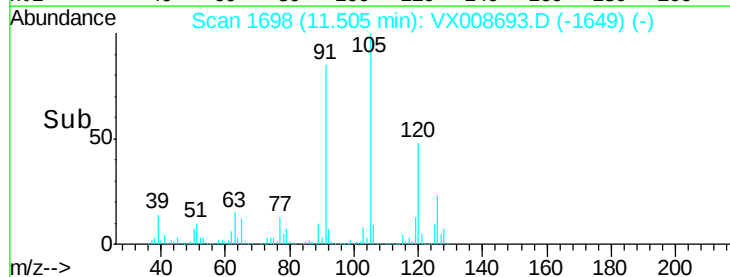
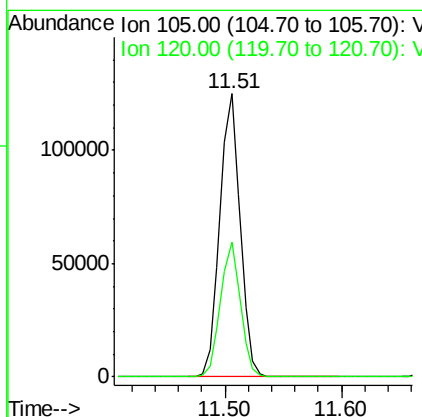
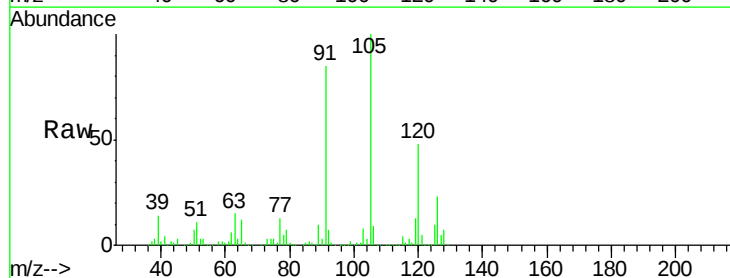
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0405WBSD02

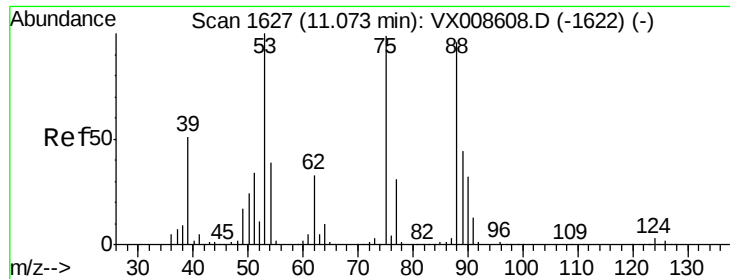
Tot Ion: 91 Resp: 124352
 Ion Ratio Lower Upper
 91 100
 126 32.1 16.1 48.3



#80
 1,3,5-Trimethylbenzene
 Concen: 17.784 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX008693.D
 Acq: 05 Apr 2019 19:43

Tgt Ion: 105 Resp: 150408
 Ion Ratio Lower Upper
 105 100
 120 46.8 23.5 70.6





#81

trans-1,4-Dichloro-2-butene

Concen: 16.457 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX008693.D

Acq: 05 Apr 2019 19:43

Instrument :

MSVOA_X

ClientSampleId :

VX0405WBSD02

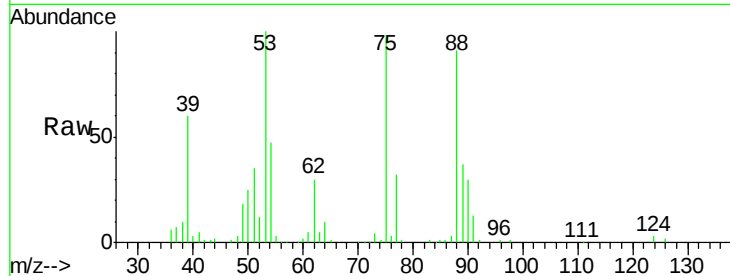
Tot Ion: 75 Resp: 19940

Ion Ratio Lower Upper

75 100

53 109.7 81.3 121.9

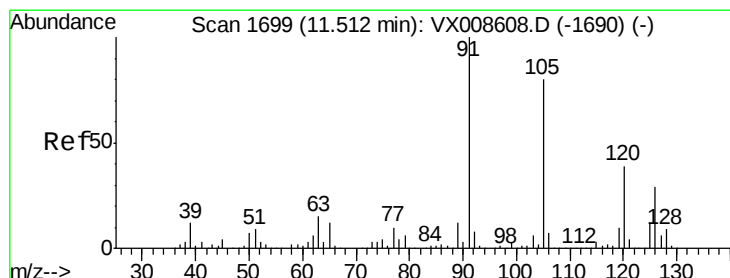
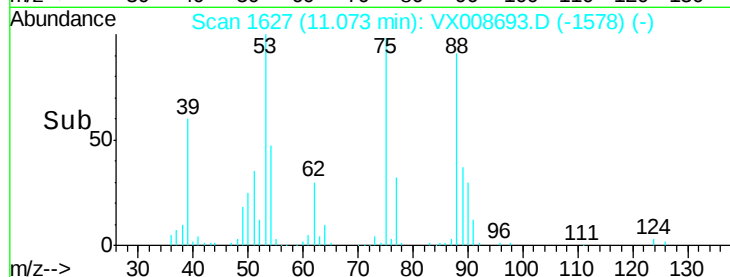
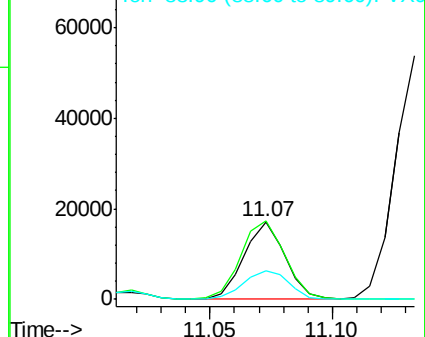
89 41.2 35.6 53.4



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: 17.061 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX008693.D

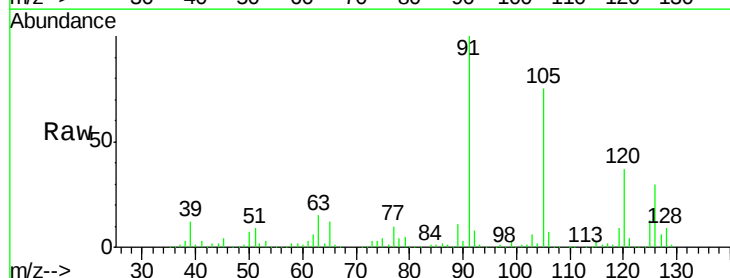
Acq: 05 Apr 2019 19:43

Tgt Ion: 91 Resp: 140201

Ion Ratio Lower Upper

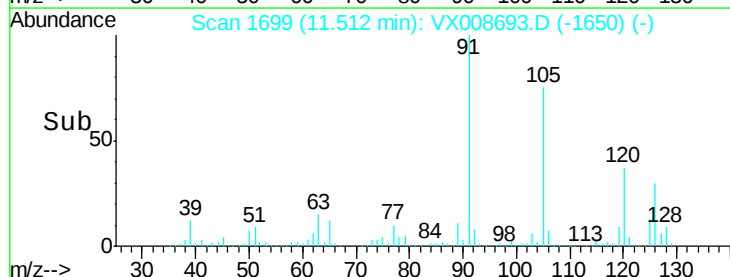
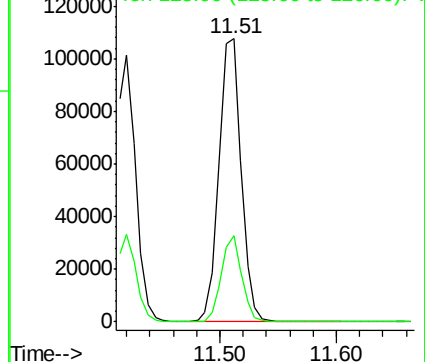
91 100

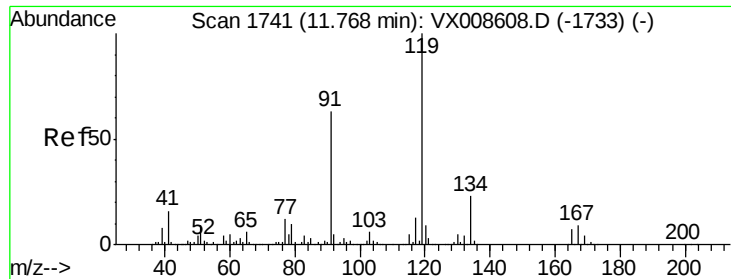
126 28.3 13.9 41.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 17.386 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX008693.D

Acq: 05 Apr 2019 19:43

Instrument :

MSVOA_X

ClientSampleId :

VX0405WBSD02

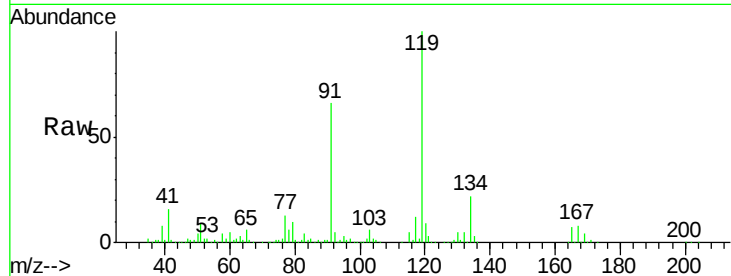
Tot Ion:119 Resp: 141466

Ion Ratio Lower Upper

119 100

91 61.2 30.0 90.1

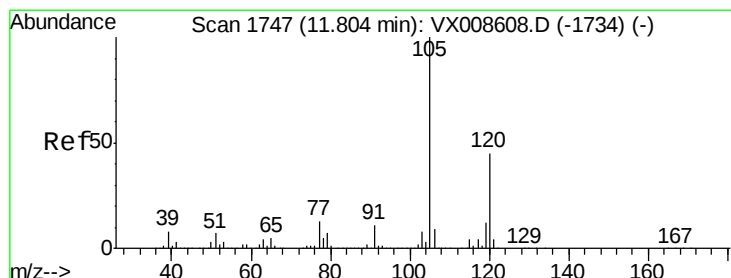
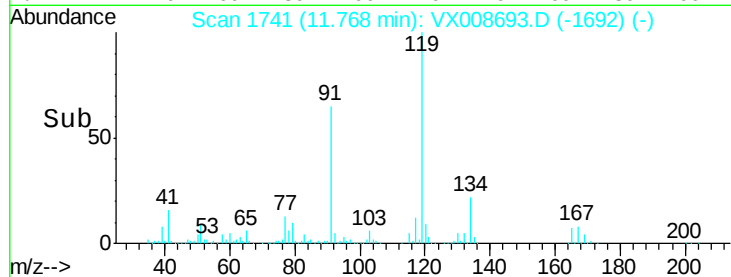
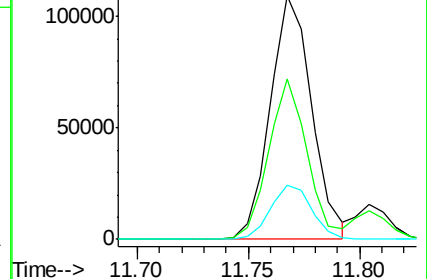
134 22.4 11.1 33.3



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 17.628 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. -0.00 min

Lab File: VX008693.D

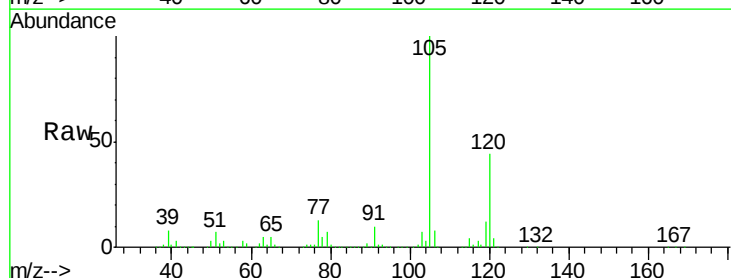
Acq: 05 Apr 2019 19:43

Tgt Ion:105 Resp: 150963

Ion Ratio Lower Upper

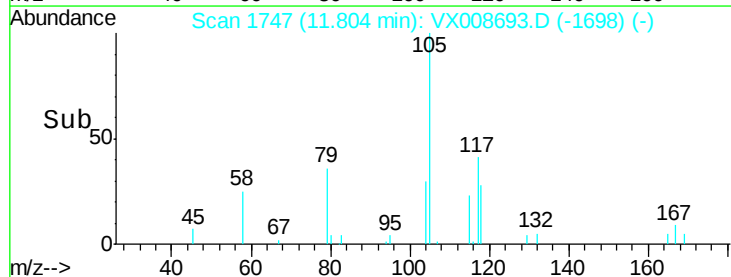
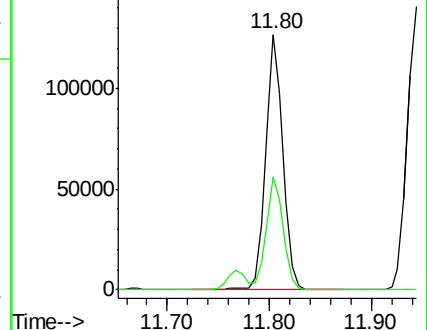
105 100

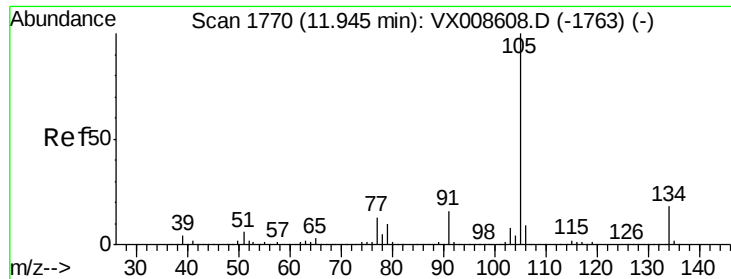
120 43.0 21.8 65.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 17.603 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX008693.D

Acq: 05 Apr 2019 19:43

Instrument :

MSVOA_X

ClientSampleId :

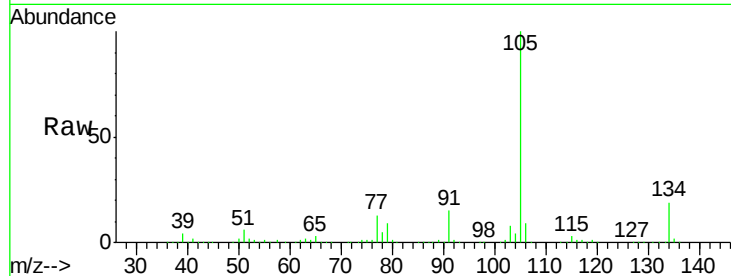
VX0405WBSD02

Tot Ion:105 Resp: 170135

Ion Ratio Lower Upper

105 100

134 18.5 9.4 28.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

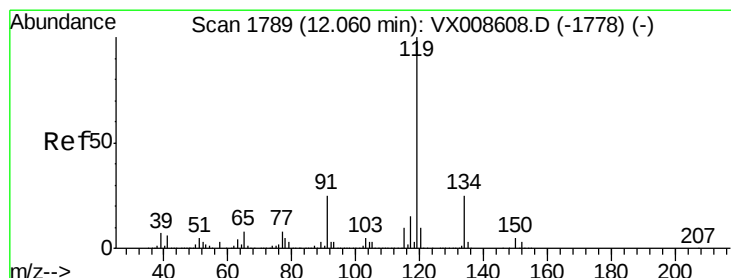
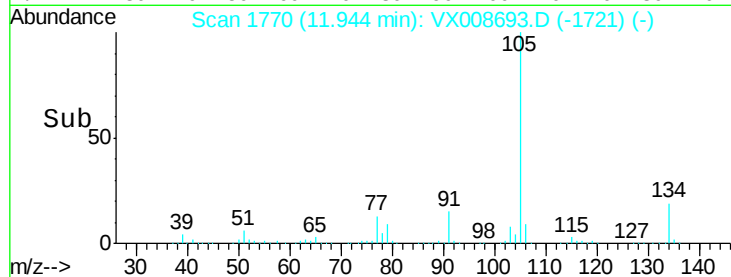
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 17.379 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX008693.D

Acq: 05 Apr 2019 19:43

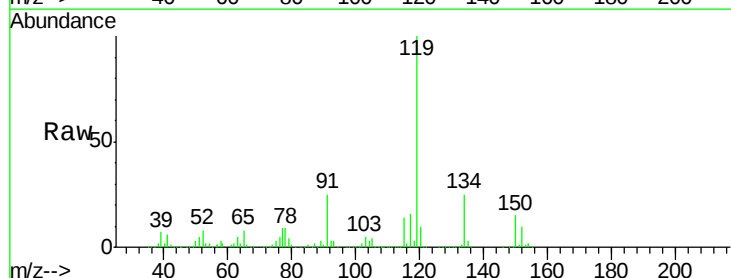
Tgt Ion:119 Resp: 150758

Ion Ratio Lower Upper

119 100

134 25.8 12.8 38.4

91 24.6 12.2 36.6



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): V

12.06

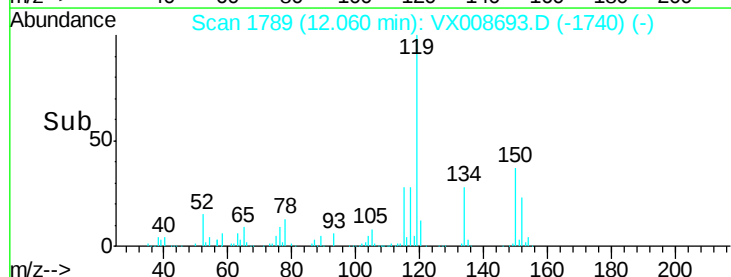
150000

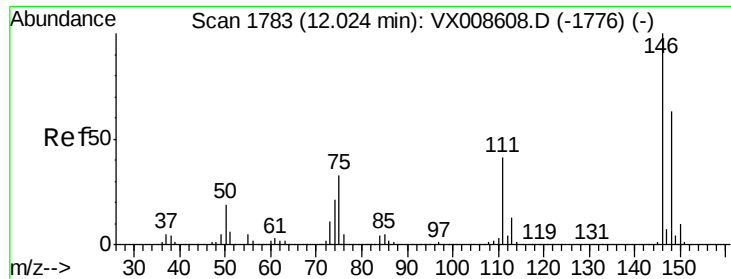
100000

50000

0

Time-->

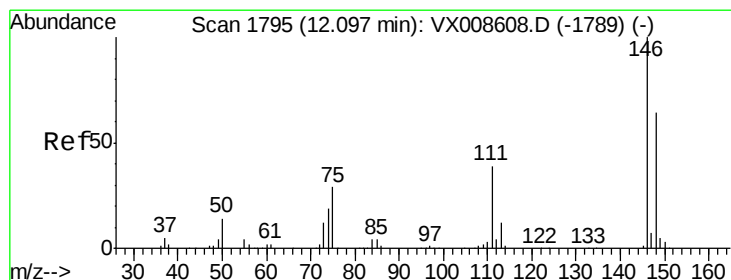
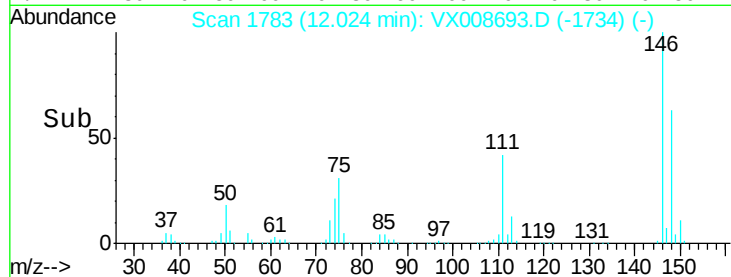
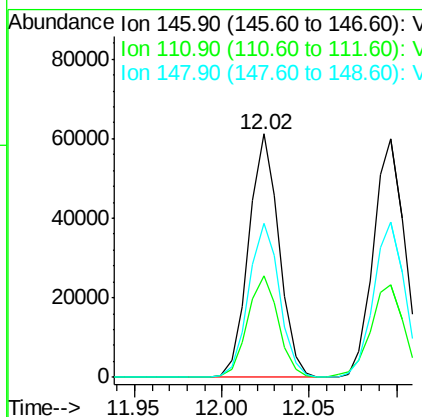
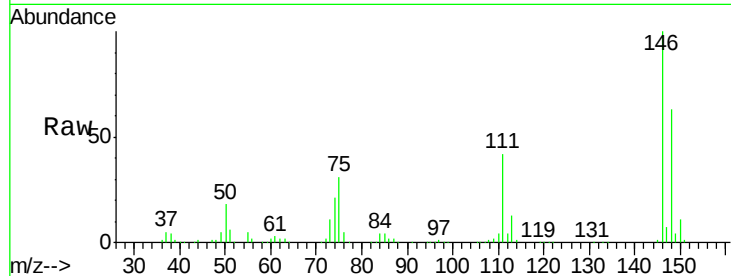




#87
 1,3-Dichlorobenzene
 Concen: 16.984 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX008693.D
 Acq: 05 Apr 2019 19:43

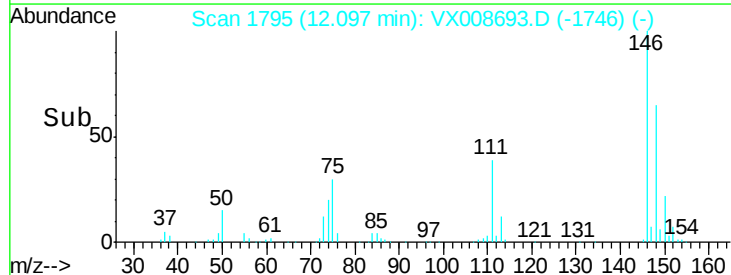
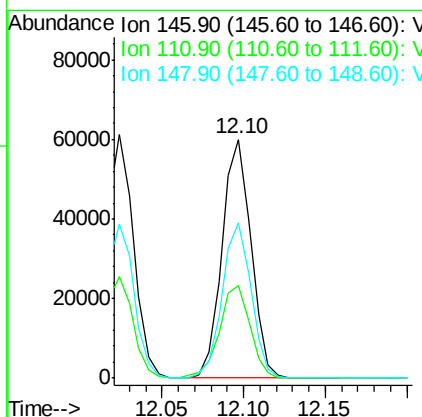
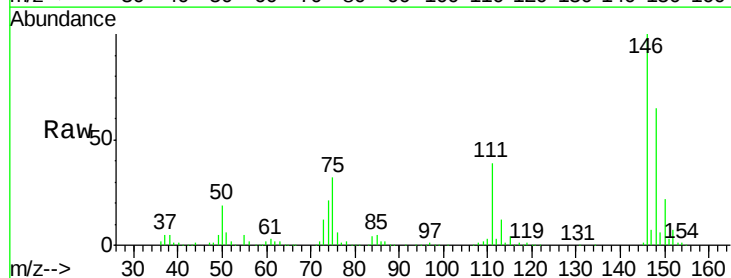
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0405WBSD02

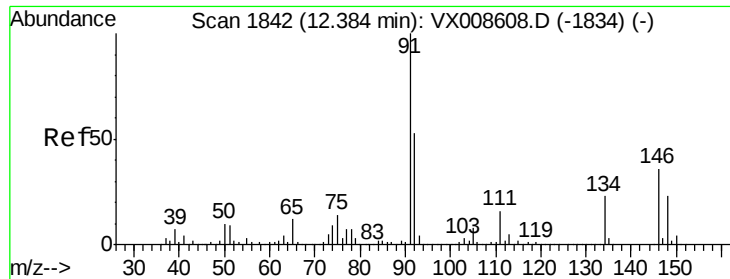
Tot Ion:146 Resp: 73647
 Ion Ratio Lower Upper
 146 100
 111 42.4 20.5 61.5
 148 64.4 31.6 94.7



#88
 1,4-Dichlorobenzene
 Concen: 16.886 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX008693.D
 Acq: 05 Apr 2019 19:43

Tgt Ion:146 Resp: 74143
 Ion Ratio Lower Upper
 146 100
 111 41.6 20.2 60.6
 148 65.1 32.0 96.0

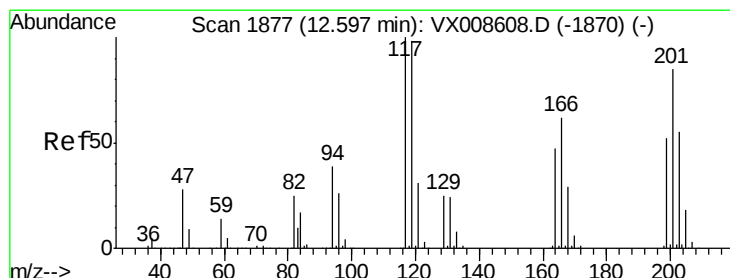
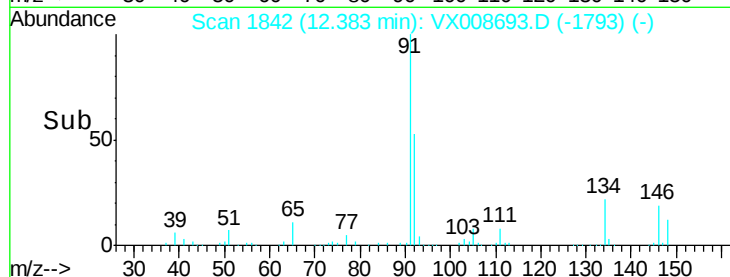
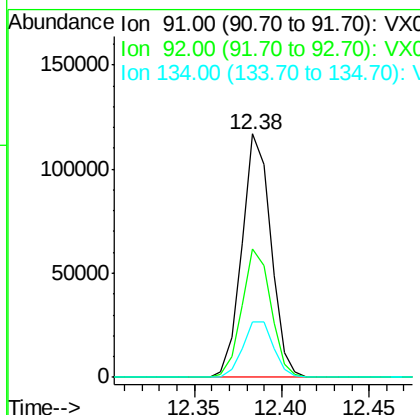
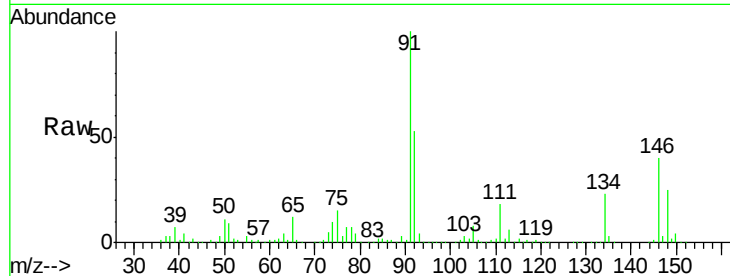




#89
n-Butylbenzene
Concen: 16.637 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX008693.D
Acq: 05 Apr 2019 19:43

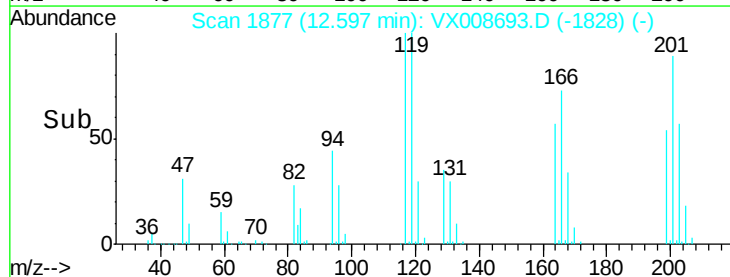
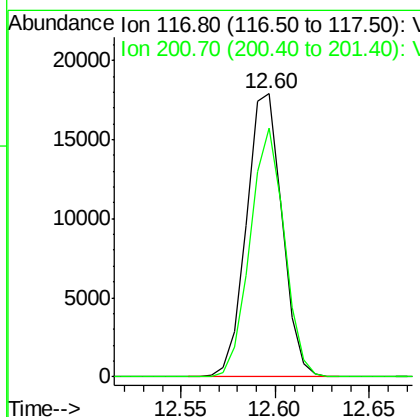
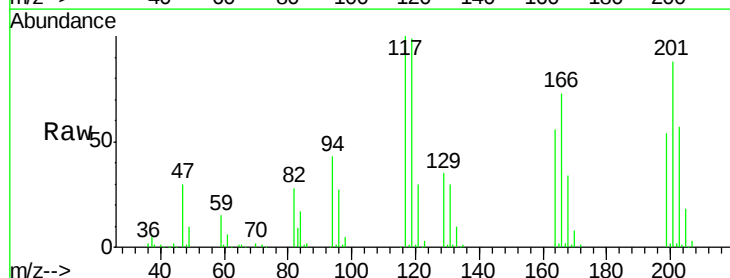
Instrument :
MSVOA_X
ClientSampleId :
VX0405WBSD02

Tot Ion: 91 Resp: 135351
Ion Ratio Lower Upper
91 100
92 52.9 26.4 79.2
134 24.2 12.0 36.0



#90
Hexachloroethane
Concen: 16.345 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX008693.D
Acq: 05 Apr 2019 19:43

Tgt Ion: 117 Resp: 23518
Ion Ratio Lower Upper
117 100
201 84.2 40.6 122.0





#91

1,2-Dichlorobenzene

Concen: 17.727 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX008693.D

Acq: 05 Apr 2019 19:43

Instrument :

MSVOA_X

ClientSampleId :

VX0405WBSD02

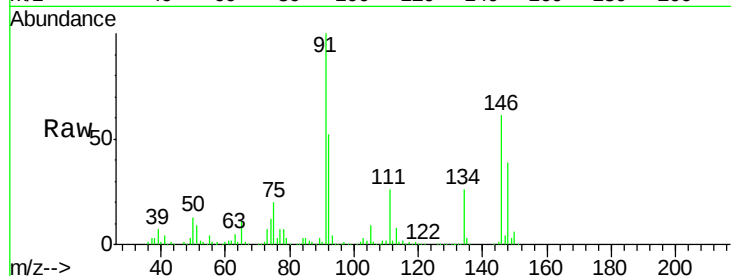
Tot Ion:146 Resp: 76322

Ion Ratio Lower Upper

146 100

111 43.2 21.3 63.9

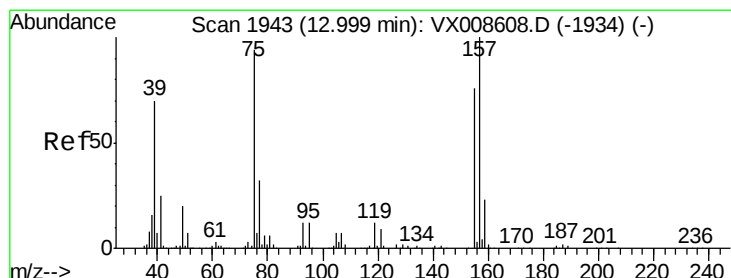
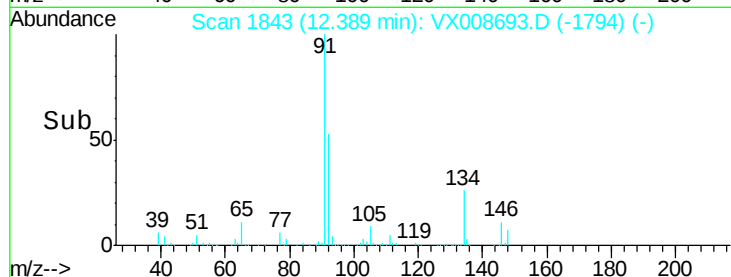
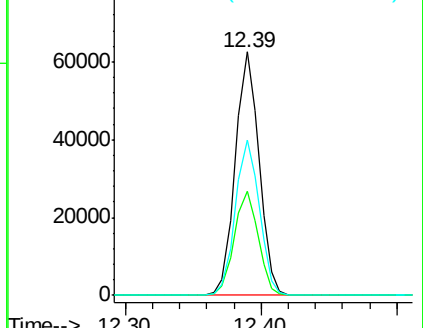
148 64.4 31.7 95.1



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 17.072 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VX008693.D

Acq: 05 Apr 2019 19:43

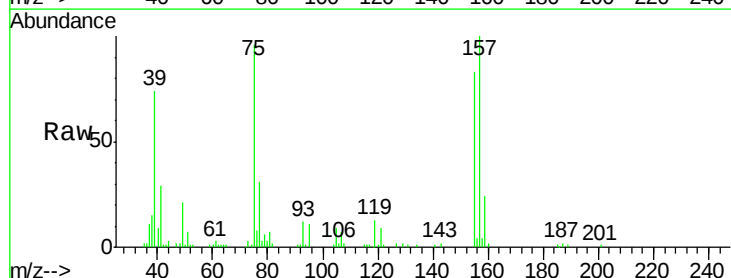
Tgt Ion: 75 Resp: 14391

Ion Ratio Lower Upper

75 100

155 84.0 39.9 119.6

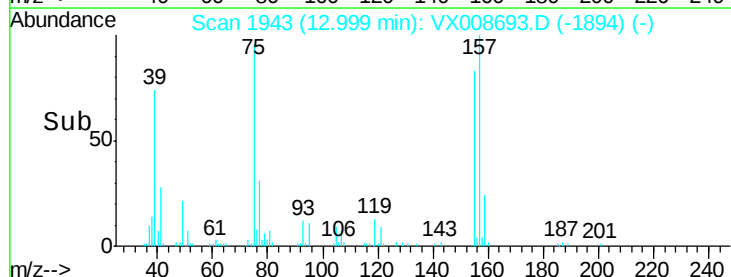
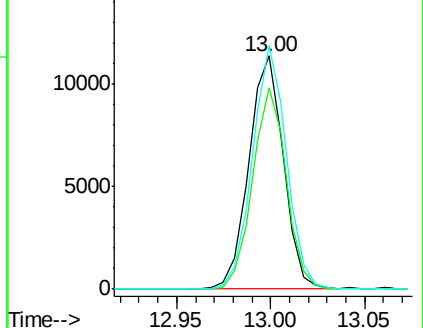
157 102.7 51.5 154.7



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

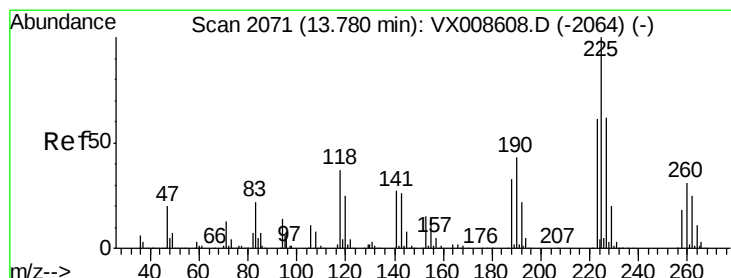
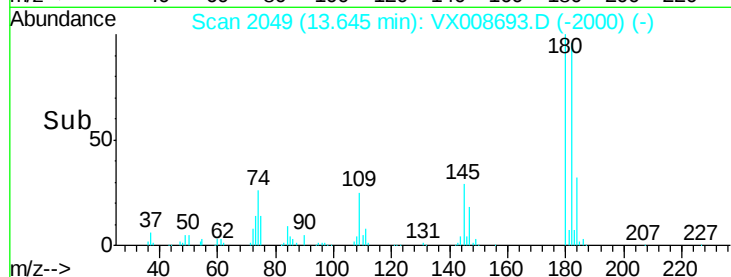
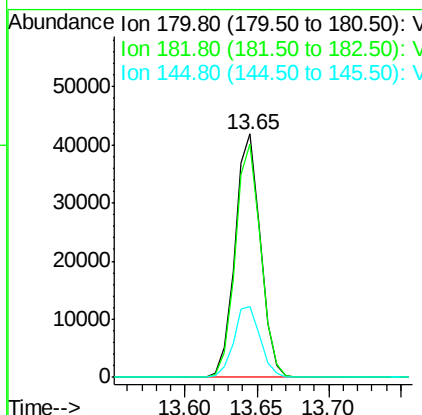
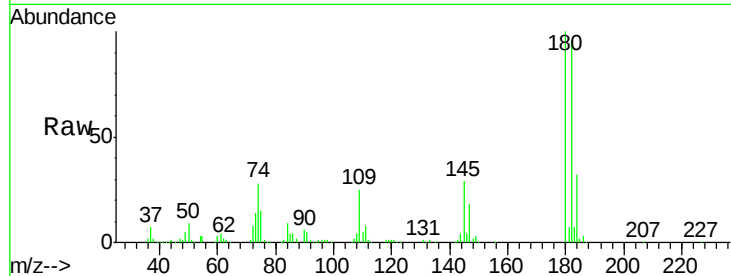




#93
 1,2,4-Trichlorobenzene
 Concen: 17.307 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX008693.D
 Acq: 05 Apr 2019 19:43

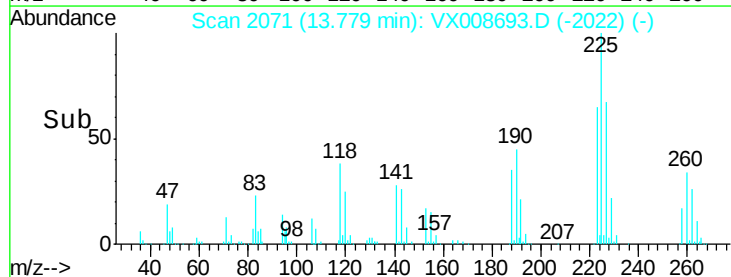
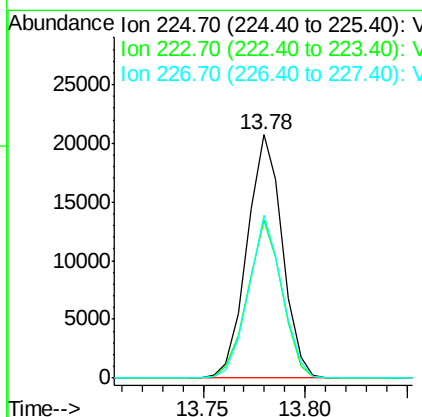
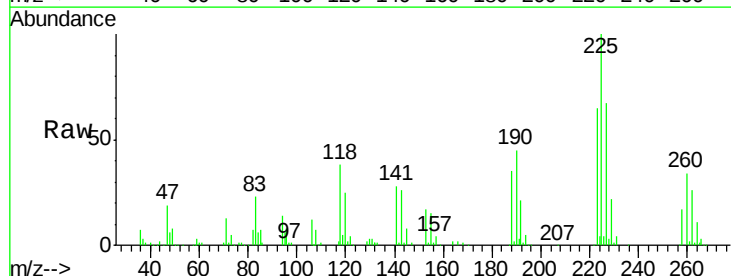
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0405WBSD02

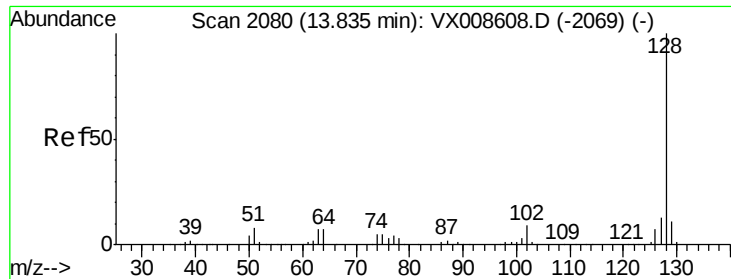
Tot Ion:180 Resp: 51807
 Ion Ratio Lower Upper
 180 100
 182 95.1 47.2 141.6
 145 30.2 15.3 45.9



#94
 Hexachlorobutadiene
 Concen: 17.321 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX008693.D
 Acq: 05 Apr 2019 19:43

Tgt Ion:225 Resp: 24867
 Ion Ratio Lower Upper
 225 100
 223 63.5 31.2 93.6
 227 64.1 31.9 95.5

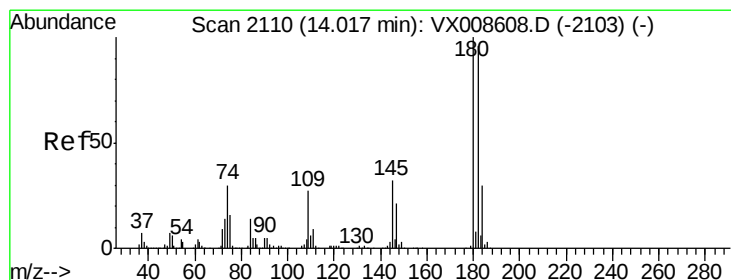
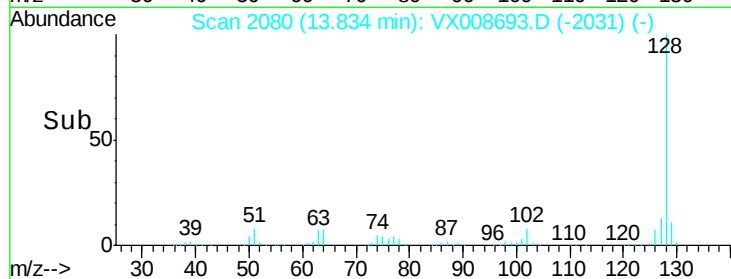
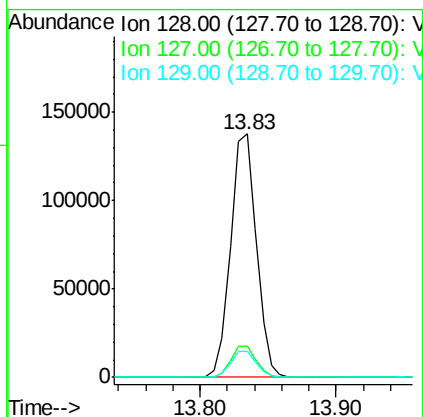
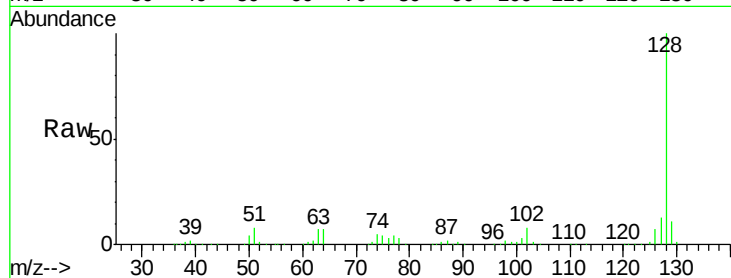




#95
Naphthalene
Concen: 18.132 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX008693.D
Acq: 05 Apr 2019 19:43

Instrument :
MSVOA_X
ClientSampleId :
VX0405WBSD02

Tot Ion:128 Resp: 181403
Ion Ratio Lower Upper
128 100
127 12.9 10.4 15.6
129 10.7 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 17.939 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.00 min
Lab File: VX008693.D
Acq: 05 Apr 2019 19:43

Tgt Ion:180 Resp: 53654
Ion Ratio Lower Upper
180 100
182 94.6 48.1 144.3
145 30.9 16.3 48.8

