

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX092818\
 Data File : VX004838.D
 Acq On : 28 Sep 2018 23:39
 Operator : JC/MD
 Sample : VX0928WBS02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0928WBS02

Quant Time: Sep 29 06:35:58 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 26 14:17:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	232983	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	344403	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	330077	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	198513	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	174145	52.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.64%	
35) Dibromofluoromethane	5.50	113	140371	48.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.18%	
50) Toluene-d8	8.72	98	511059	52.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.34%	
62) 4-Bromofluorobenzene	11.14	95	183539	52.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	76213	23.992	ug/l	100
3) Chloromethane	1.32	50	82540	21.416	ug/l	100
4) Vinyl Chloride	1.40	62	77998	21.578	ug/l	94
5) Bromomethane	1.64	94	38984	18.187	ug/l	97
6) Chloroethane	1.72	64	45278	21.666	ug/l	94
7) Trichlorofluoromethane	1.93	101	100970	22.563	ug/l	88
8) Diethyl Ether	2.19	74	39310	20.221	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	2.39	101	56563	22.190	ug/l	98
10) Methyl Iodide	2.51	142	38223	11.206	ug/l	100
11) Tert butyl alcohol	3.07	59	101149	108.694	ug/l	100
12) 1,1-Dichloroethene	2.37	96	53943	21.368	ug/l	84
13) Acrolein	2.29	56	48738	73.610	ug/l	99
14) Allyl chloride	2.73	41	116374	21.128	ug/l	96
15) Acrylonitrile	3.15	53	216345	105.608	ug/l	99
16) Acetone	2.45	43	192763	99.207	ug/l	93
17) Carbon Disulfide	2.57	76	154859	20.415	ug/l #	93
18) Methyl Acetate	2.78	43	115210	23.403	ug/l	95
19) Methyl tert-butyl Ether	3.20	73	192299	22.084	ug/l	97
20) Methylene Chloride	2.86	84	61852	21.414	ug/l	96
21) trans-1,2-Dichloroethene	3.16	96	56324	20.382	ug/l	94
22) Diisopropyl ether	3.87	45	207850	22.409	ug/l	96
23) Vinyl Acetate	3.82	43	890646	104.903	ug/l	99
24) 1,1-Dichloroethane	3.70	63	115663	20.905	ug/l	97
25) 2-Butanone	4.70	43	288354	100.678	ug/l	91
26) 2,2-Dichloropropane	4.58	77	68156	17.690	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	62150	20.132	ug/l	92
28) Bromochloromethane	5.02	49	54430	20.891	ug/l	88
29) Tetrahydrofuran	5.16	42	190933	107.257	ug/l	91
30) Chloroform	5.21	83	109738	20.986	ug/l	98
31) Cyclohexane	5.57	56	99276	23.444	ug/l	85
32) 1,1,1-Trichloroethane	5.49	97	91322	21.385	ug/l	99
36) 1,1-Dichloropropene	5.80	75	76534	19.218	ug/l	98
37) Ethyl Acetate	4.85	43	103967	19.667	ug/l	98
38) Carbon Tetrachloride	5.78	117	76154	18.192	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX092818\
 Data File : VX004838.D
 Acq On : 28 Sep 2018 23:39
 Operator : JC/MD
 Sample : VX0928WBS02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0928WBS02

Quant Time: Sep 29 06:35:58 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 26 14:17:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	83861	20.623	ug/l	95
40) Benzene	6.14	78	250039	20.055	ug/l	94
41) Methacrylonitrile	5.06	41	57992	19.781	ug/l	97
42) 1,2-Dichloroethane	6.20	62	86917	19.720	ug/l	97
43) Isopropyl Acetate	6.46	43	146909	19.254	ug/l	96
44) Trichloroethene	7.21	130	61068	19.925	ug/l	96
45) 1,2-Dichloropropane	7.52	63	62682	20.501	ug/l	99
46) Dibromomethane	7.66	93	39497	20.555	ug/l	97
47) Bromodichloromethane	7.90	83	73924	20.548	ug/l	99
48) Methyl methacrylate	7.77	41	74995	21.655	ug/l	95
49) 1,4-Dioxane	7.76	88	34077	396.074	ug/l	91
51) 4-Methyl-2-Pentanone	8.65	43	526808	109.657	ug/l	93
52) Toluene	8.79	92	143555	20.955	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	78139	19.221	ug/l	99
54) cis-1,3-Dichloropropene	8.44	75	88646	20.818	ug/l	97
55) 1,1,2-Trichloroethane	9.22	97	60271	20.084	ug/l	98
56) Ethyl methacrylate	9.18	69	89054	20.103	ug/l	95
57) 1,3-Dichloropropane	9.37	76	100644	20.151	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.31	63	253141	106.566	ug/l	93
59) 2-Hexanone	9.49	43	408778	102.108	ug/l	93
60) Dibromochloromethane	9.59	129	57755	19.245	ug/l	99
61) 1,2-Dibromoethane	9.67	107	61252	19.059	ug/l	99
64) Tetrachloroethene	9.34	164	59233	18.233	ug/l	98
65) Chlorobenzene	10.14	112	158743	18.755	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.22	131	55897	18.785	ug/l	100
67) Ethyl Benzene	10.25	91	264755	19.702	ug/l	96
68) m/p-Xylenes	10.36	106	205915	39.214	ug/l	93
69) o-Xylene	10.70	106	98614	20.446	ug/l	96
70) Styrene	10.71	104	166494	19.807	ug/l	96
71) Bromoform	10.86	173	46293	18.172	ug/l	100
73) Isopropylbenzene	11.02	105	269552	21.543	ug/l	99
74) N-amyl acetate	10.90	43	126559	19.507	ug/l	93
75) 1,1,2,2-Tetrachloroethane	11.27	83	97301	19.103	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	105514	23.714	ug/l	88
77) Bromobenzene	11.26	156	72485	19.944	ug/l	97
78) n-propylbenzene	11.36	91	312111	21.740	ug/l	98
79) 2-Chlorotoluene	11.42	91	186304	20.819	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	228015	19.763	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.07	75	23970	16.097	ug/l	96
82) 4-Chlorotoluene	11.51	91	218861	20.778	ug/l	99
83) tert-Butylbenzene	11.77	119	220760	21.429	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	233929	19.659	ug/l	98
85) sec-Butylbenzene	11.94	105	269669	21.491	ug/l	99
86) p-Isopropyltoluene	12.07	119	237759	20.913	ug/l	98
87) 1,3-Dichlorobenzene	12.02	146	131254	19.341	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	135905	19.400	ug/l	98
89) n-Butylbenzene	12.39	91	203641	19.723	ug/l	97
90) Hexachloroethane	12.60	117	37125	19.613	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	133838	18.871	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	21980	19.654	ug/l	95

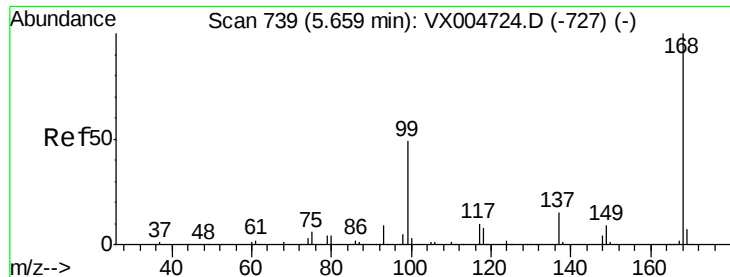
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX092818\
Data File : VX004838.D
Acq On : 28 Sep 2018 23:39
Operator : JC/MD
Sample : VX0928WBS02
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0928WBS02

Quant Time: Sep 29 06:35:58 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 26 14:17:02 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	95003	19.096	ug/l	99
94) Hexachlorobutadiene	13.79	225	46399	17.985	ug/l	94
95) Naphthalene	13.83	128	299726	18.610	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	99564	19.373	ug/l	99

(#) = 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: VX004838.D

Acq: 28 Sep 2018 23:39

Instrument :

MSVOA_X

ClientSampleId :

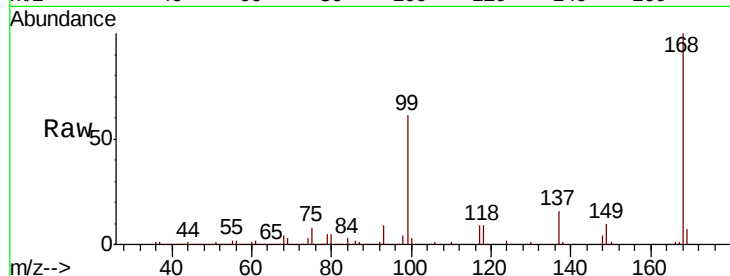
VX0928WBS02

Tot Ion:168 Resp: 232983

Ion Ratio Lower Upper

168 100

99 61.2 39.9 59.9#



Abundance Ion 167.90 (167.60 to 168.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

60000

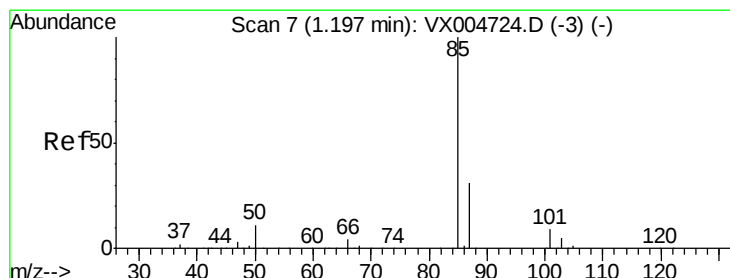
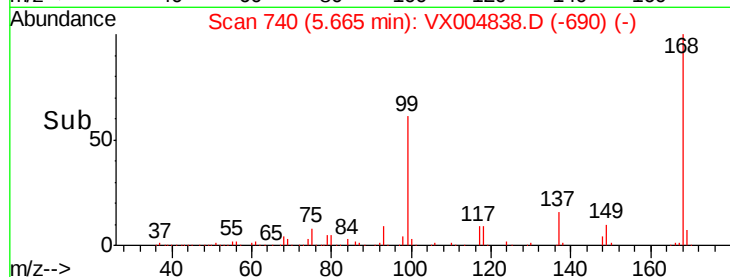
40000

20000

0

5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 23.992 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX004838.D

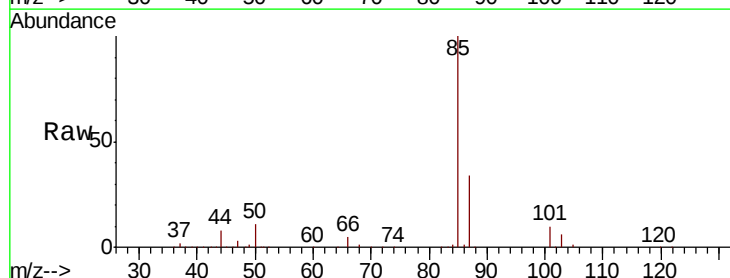
Acq: 28 Sep 2018 23:39

Tgt Ion: 85 Resp: 76213

Ion Ratio Lower Upper

85 100

87 34.1 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

80000

60000

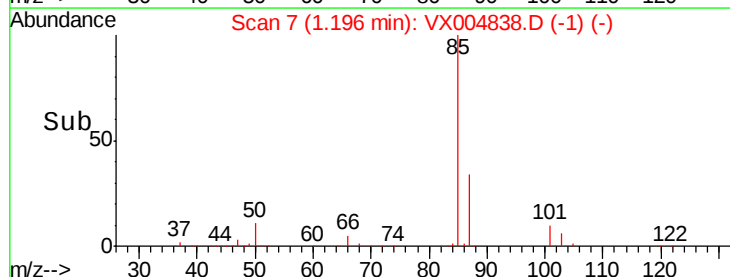
40000

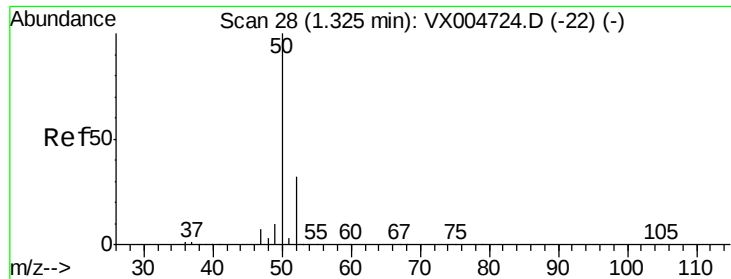
20000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 21.416 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX004838.D

Acq: 28 Sep 2018 23:39

Instrument :

MSVOA_X

ClientSampleId :

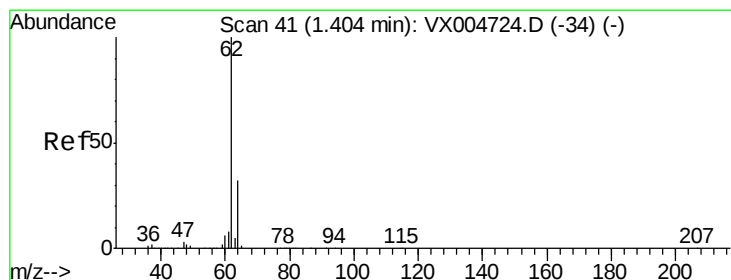
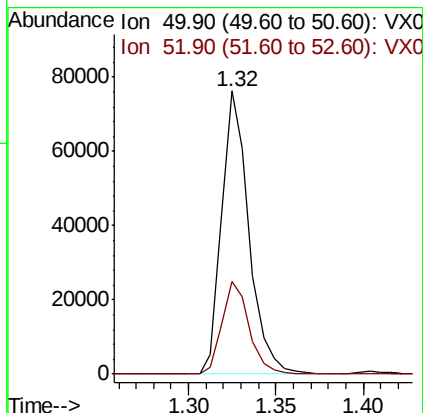
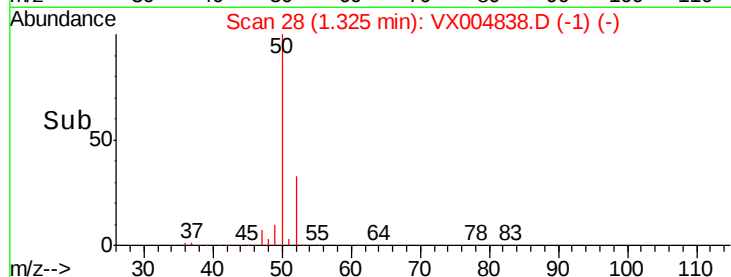
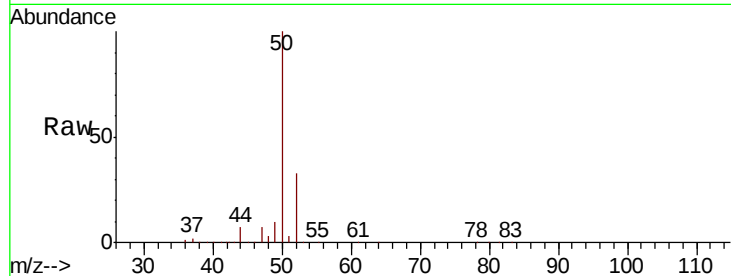
VX0928WBS02

Tot Ion: 50 Resp: 82540

Ion Ratio Lower Upper

50 100

52 32.9 26.2 39.2



#4

Vinyl Chloride

Concen: 21.578 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX004838.D

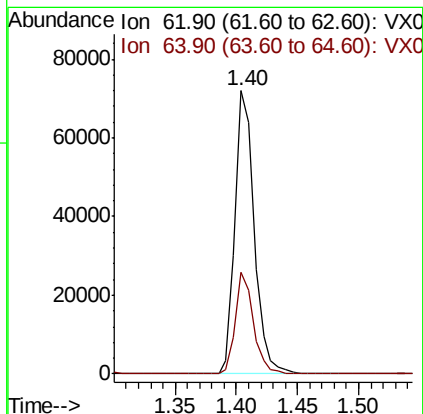
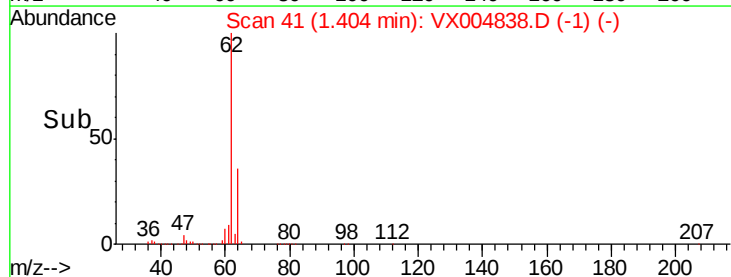
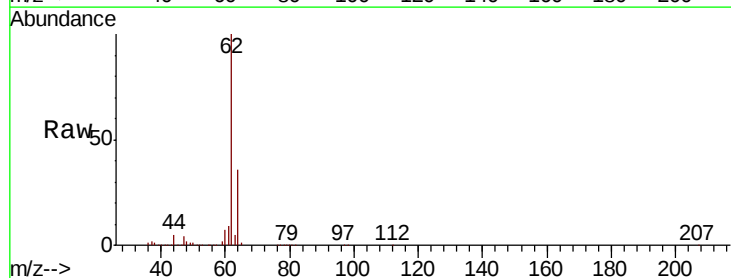
Acq: 28 Sep 2018 23:39

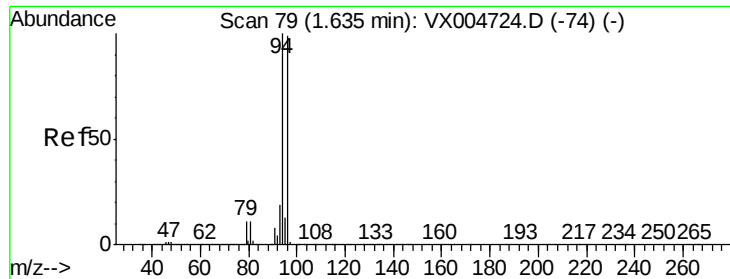
Tgt Ion: 62 Resp: 77998

Ion Ratio Lower Upper

62 100

64 35.7 25.8 38.8





#5

Bromomethane

Concen: 18.187 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX004838.D

Acq: 28 Sep 2018 23:39

Instrument :

MSVOA_X

ClientSampleId :

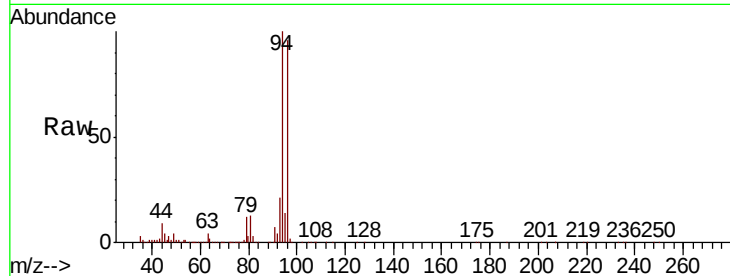
VX0928WBS02

Tot Ion: 94 Resp: 38984

Ion Ratio Lower Upper

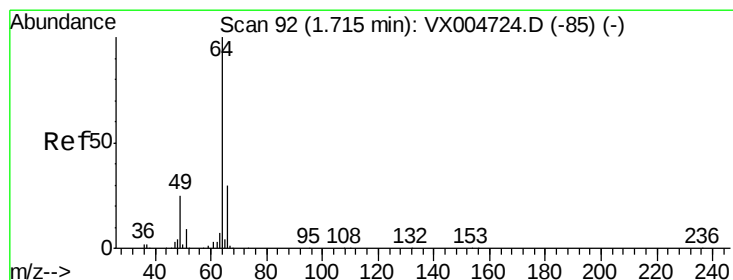
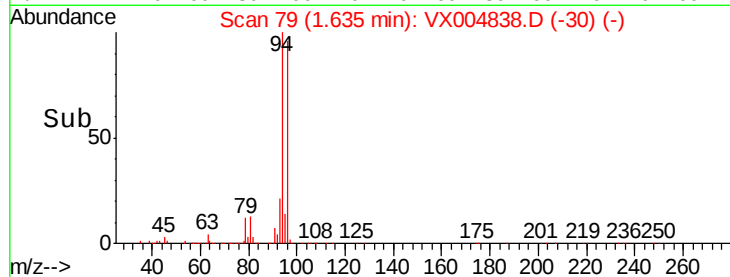
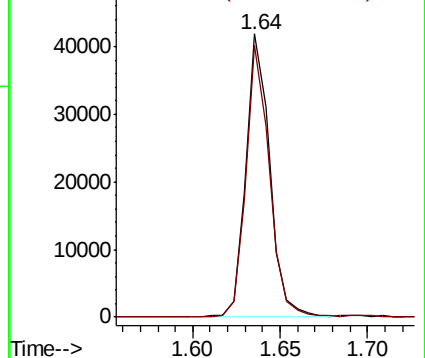
94 100

96 96.1 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 21.666 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX004838.D

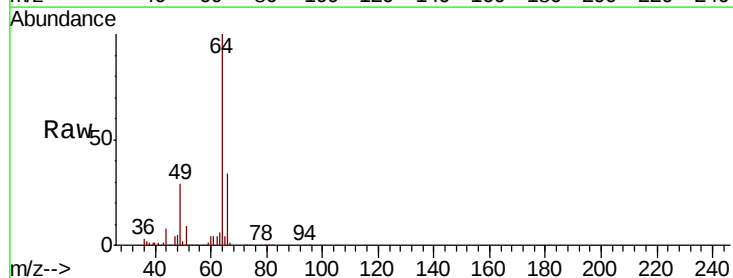
Acq: 28 Sep 2018 23:39

Tgt Ion: 64 Resp: 45278

Ion Ratio Lower Upper

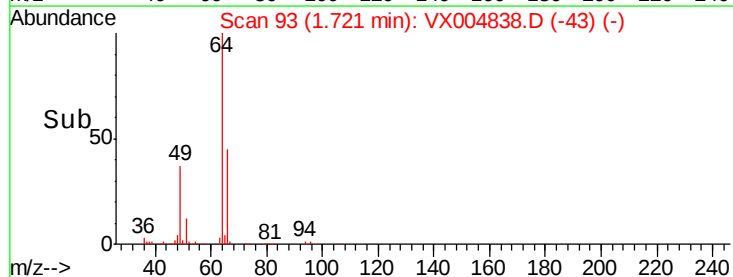
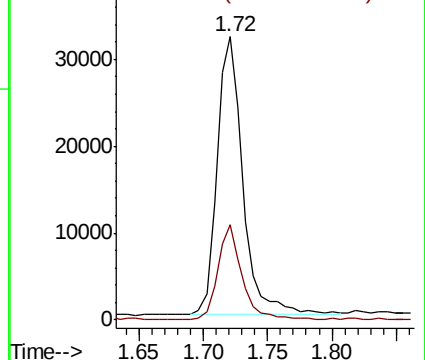
64 100

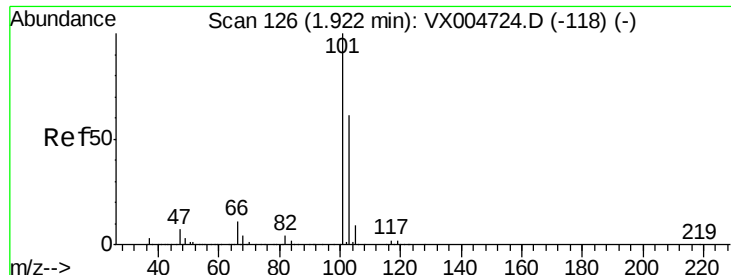
66 34.0 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



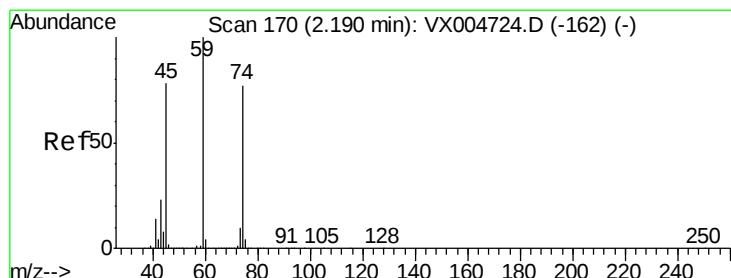
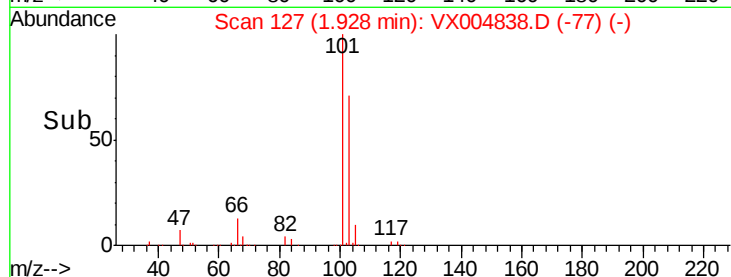
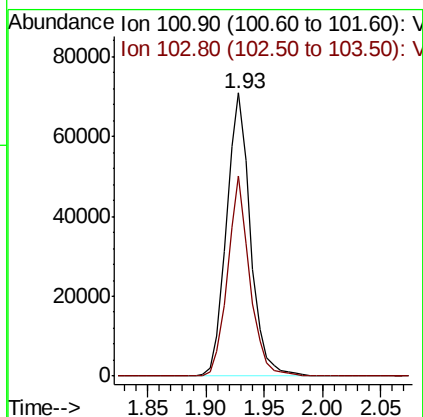
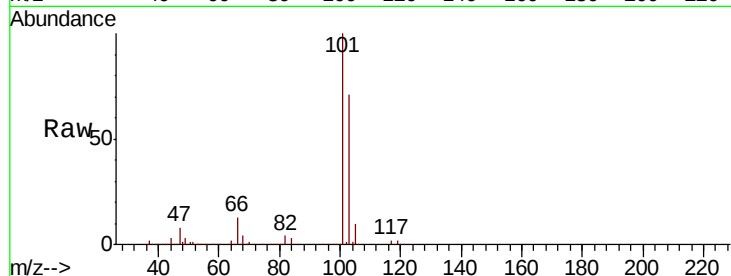


#7

Trichlorofluoromethane
 Concen: 22.563 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. 0.01 min
 Lab File: VX004838.D
 Acq: 28 Sep 2018 23:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0928WBS02

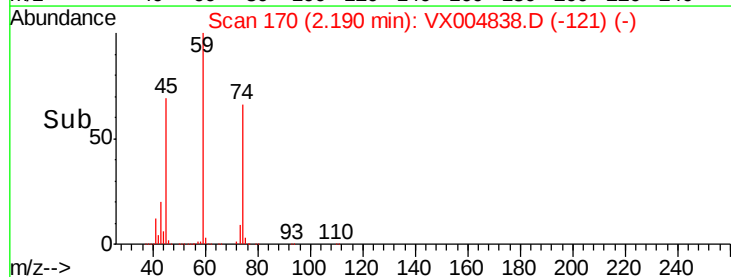
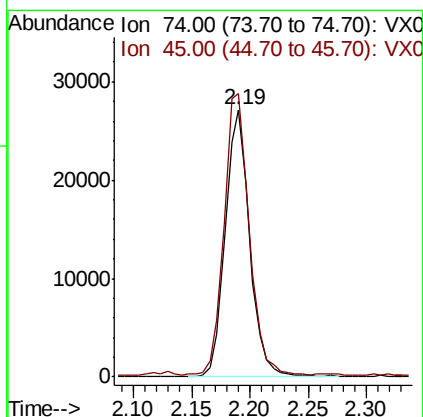
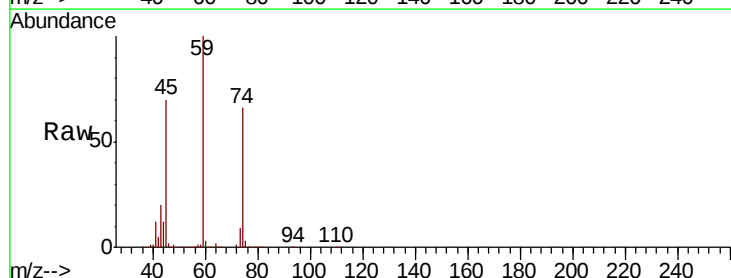
Tot Ion:101 Resp: 100970
 Ion Ratio Lower Upper
 101 100
 103 70.6 48.9 73.3

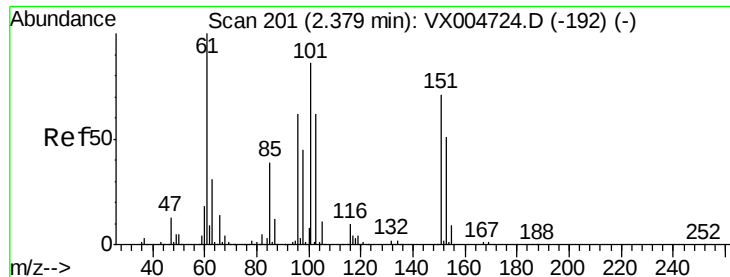


#8

Diethyl Ether
 Concen: 20.221 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. -0.00 min
 Lab File: VX004838.D
 Acq: 28 Sep 2018 23:39

Tgt Ion: 74 Resp: 39310
 Ion Ratio Lower Upper
 74 100
 45 108.1 48.3 144.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.190 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.01 min

Lab File: VX004838.D

Acq: 28 Sep 2018 23:39

Instrument :

MSVOA_X

ClientSampleId :

VX0928WBS02

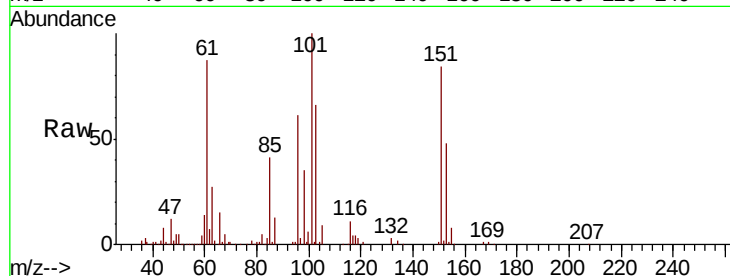
Tot Ion:101 Resp: 56563

Ion Ratio Lower Upper

101 100

85 45.5 34.2 51.4

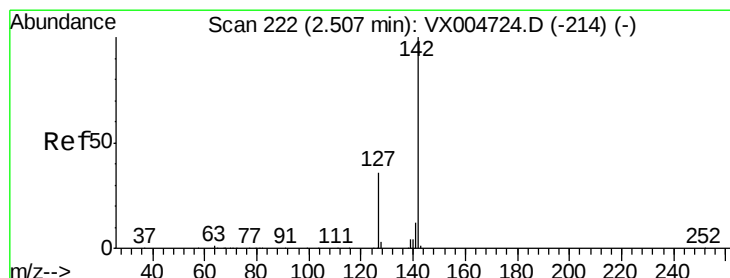
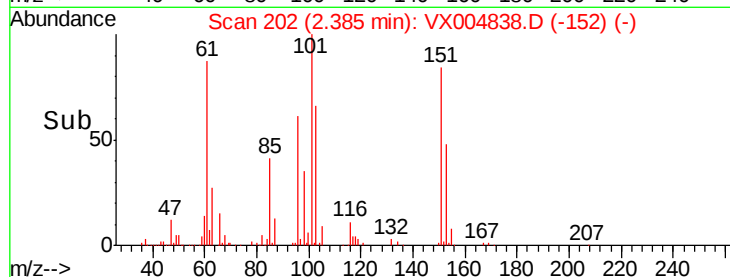
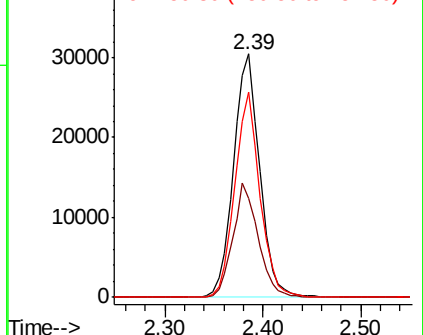
151 80.9 65.0 97.6



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: 11.206 ug/l

RT: 2.51 min Scan# 222

Delta R.T. -0.00 min

Lab File: VX004838.D

Acq: 28 Sep 2018 23:39

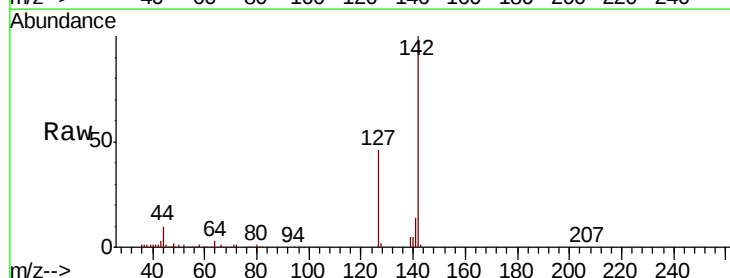
Tgt Ion:142 Resp: 38223

Ion Ratio Lower Upper

142 100

127 42.2 33.8 50.6

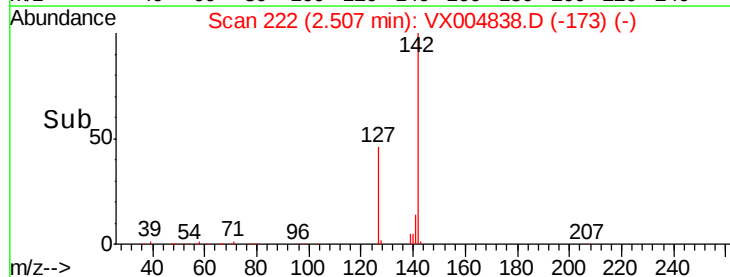
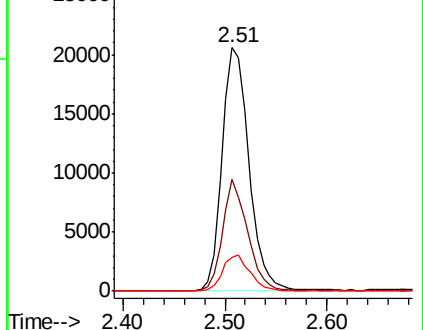
141 14.6 11.4 17.0

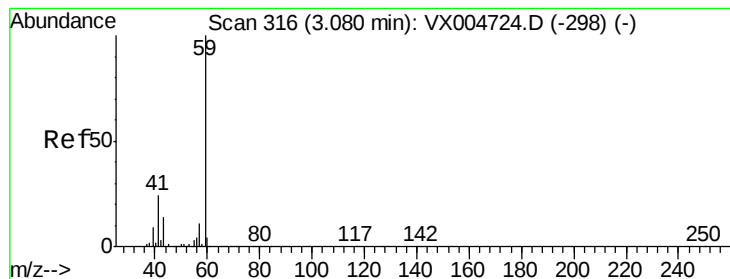


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



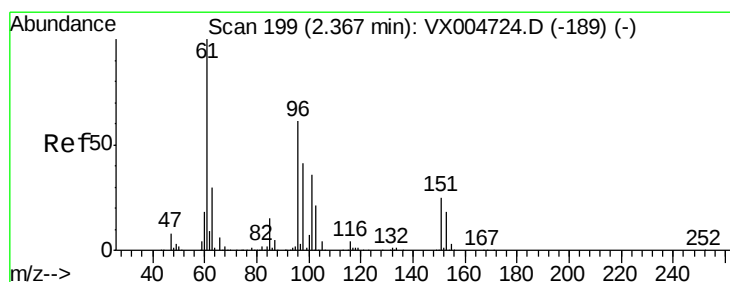
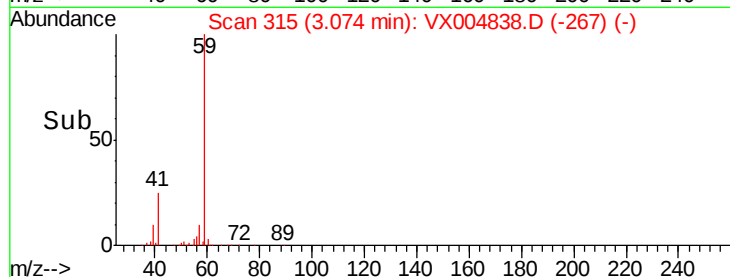
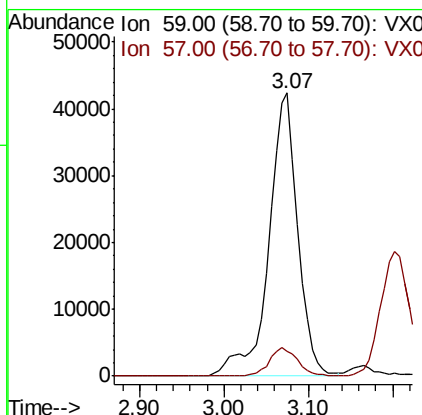
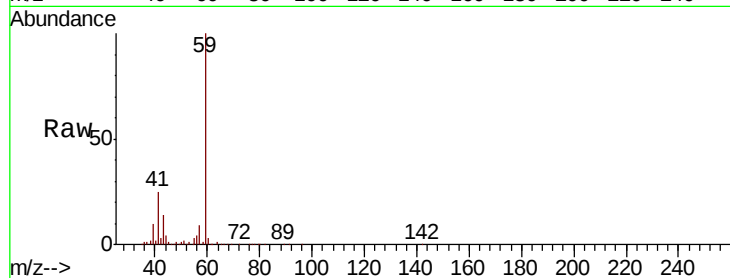


#11

Tert butyl alcohol
 Concen: 108.694 ug/l
 RT: 3.07 min Scan# 315
 Delta R.T. -0.01 min
 Lab File: VX004838.D
 Acq: 28 Sep 2018 23:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0928WBS02

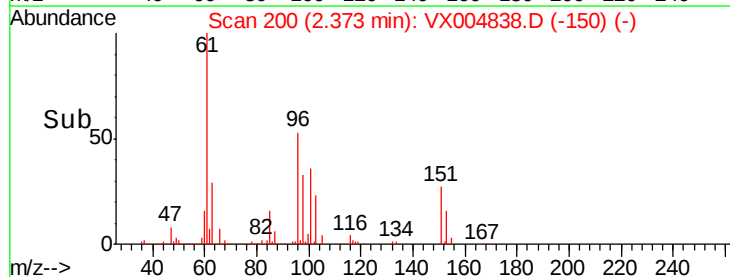
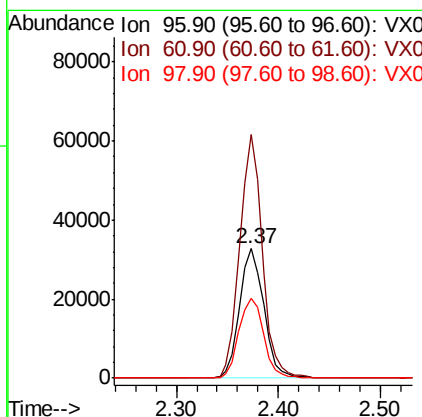
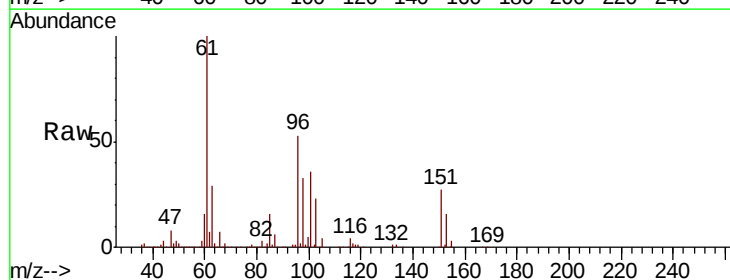
Tot Ion: 59 Resp: 101149
 Ion Ratio Lower Upper
 59 100
 57 10.1 8.2 12.4

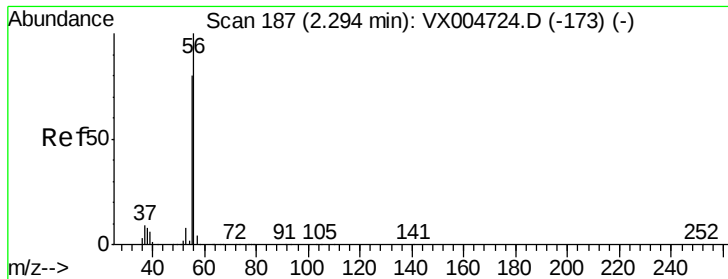


#12

1,1-Dichloroethene
 Concen: 21.368 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. 0.01 min
 Lab File: VX004838.D
 Acq: 28 Sep 2018 23:39

Tgt Ion: 96 Resp: 53943
 Ion Ratio Lower Upper
 96 100
 61 188.3 128.8 193.2
 98 62.2 52.2 78.2





#13

Acrolein

Concen: 73.610 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX004838.D

Acq: 28 Sep 2018 23:39

Instrument :

MSVOA_X

ClientSampled :

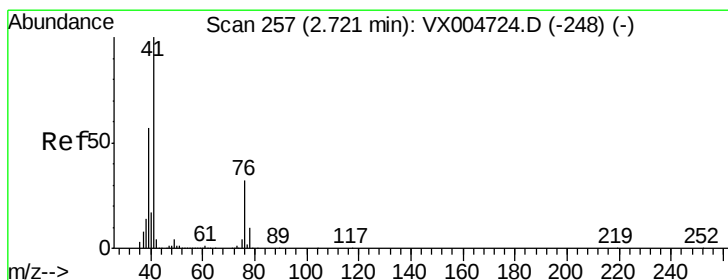
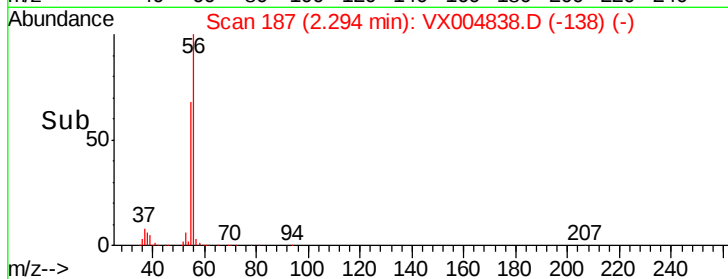
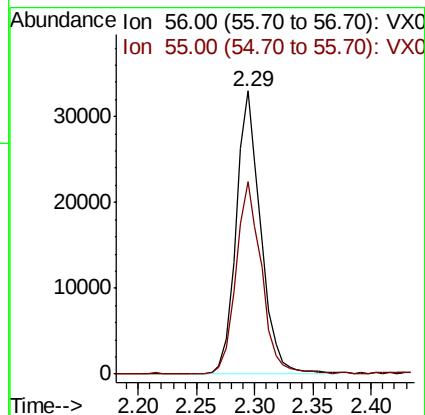
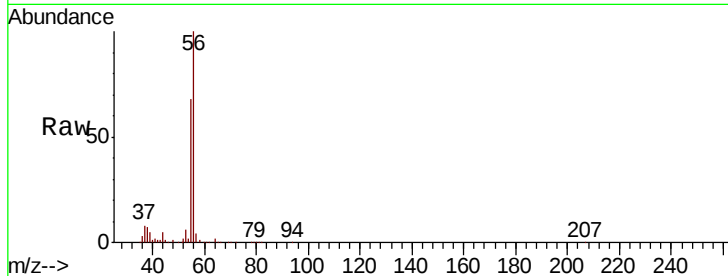
VX0928WBS02

Tot Ion: 56 Resp: 48738

Ion Ratio Lower Upper

56 100

55 69.3 54.7 82.1



#14

Allyl chloride

Concen: 21.128 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.01 min

Lab File: VX004838.D

Acq: 28 Sep 2018 23:39

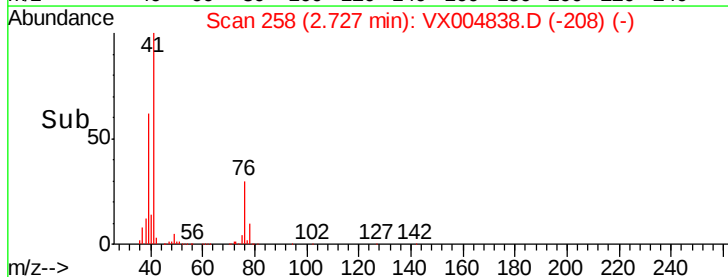
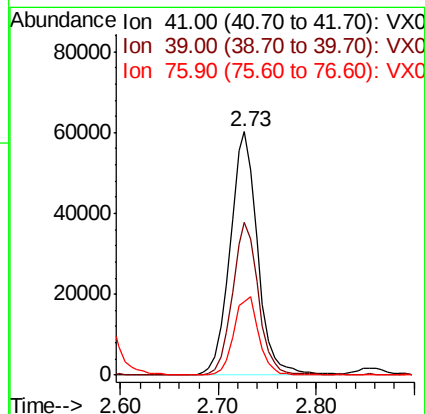
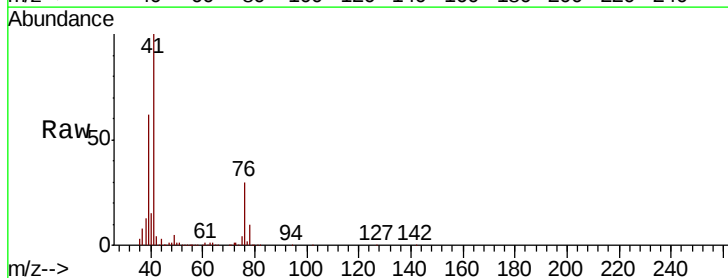
Tgt Ion: 41 Resp: 116374

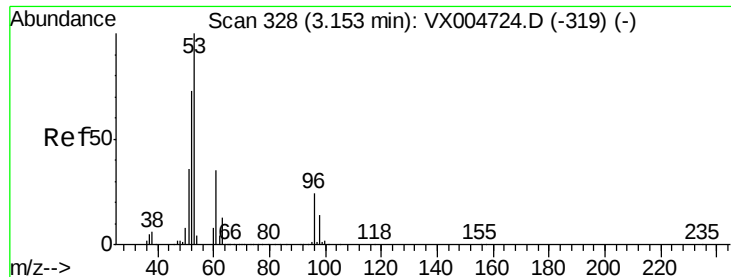
Ion Ratio Lower Upper

41 100

39 59.0 48.9 73.3

76 29.6 26.7 40.1





#15

Acrylonitrile

Concen: 105.608 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.01 min

Lab File: VX004838.D

Acq: 28 Sep 2018 23:39

Instrument :

MSVOA_X

ClientSampled :

VX0928WBS02

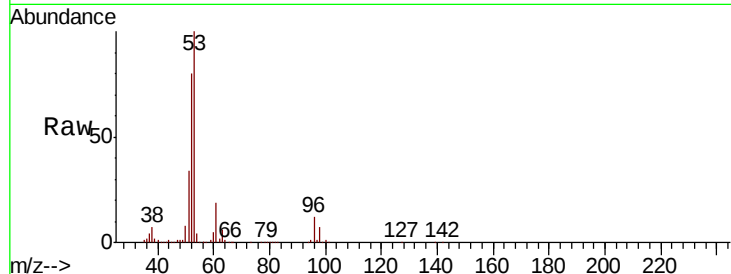
Tot Ion: 53 Resp: 216345

Ion Ratio Lower Upper

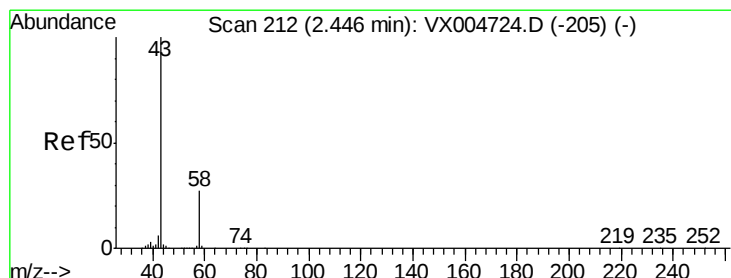
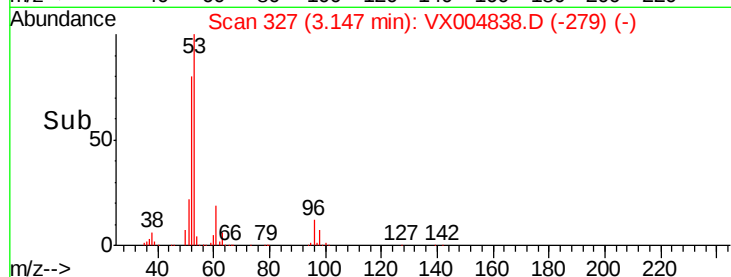
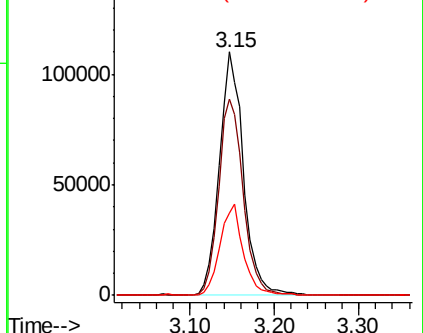
53 100

52 82.5 65.2 97.8

51 36.5 28.2 42.2



Abundance Ion 53.00 (52.70 to 53.70): VX0
Ion 52.00 (51.70 to 52.70): VX0
Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 99.207 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX004838.D

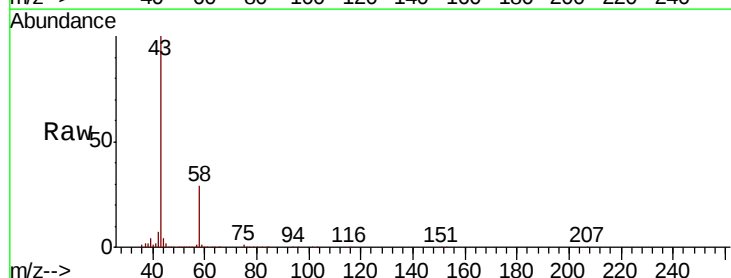
Acq: 28 Sep 2018 23:39

Tgt Ion: 43 Resp: 192763

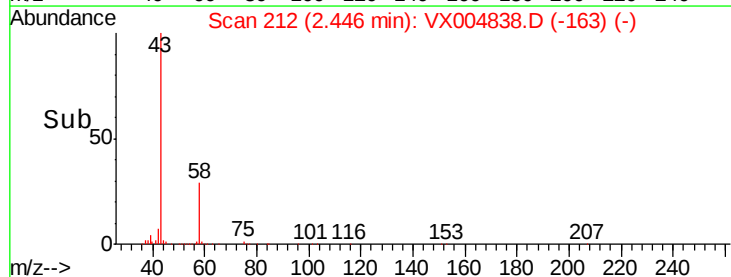
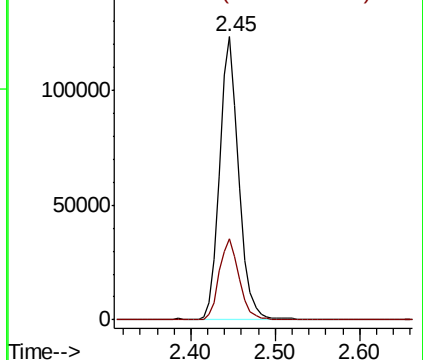
Ion Ratio Lower Upper

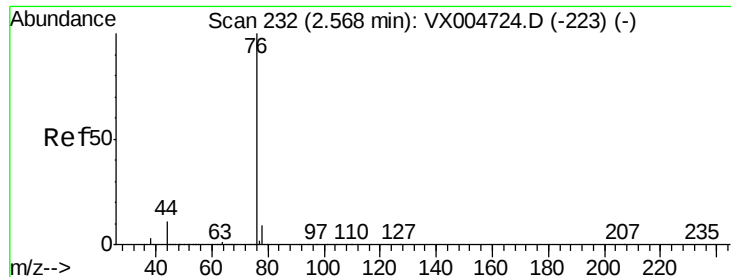
43 100

58 28.7 26.2 39.4



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

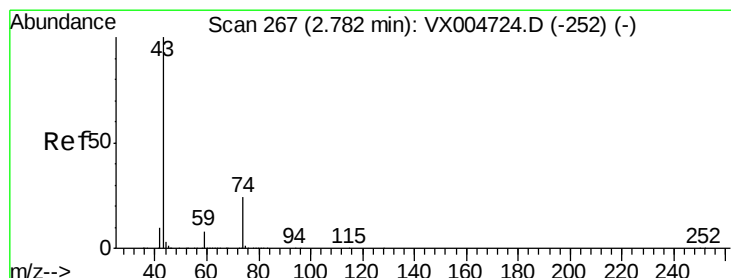
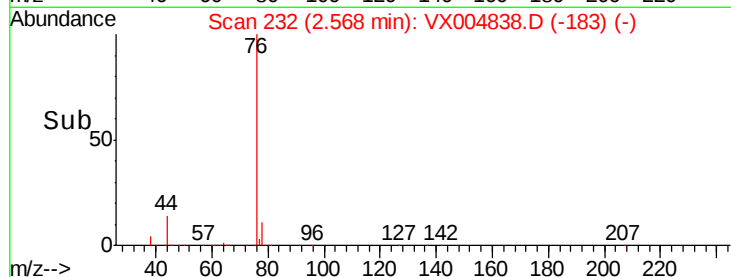
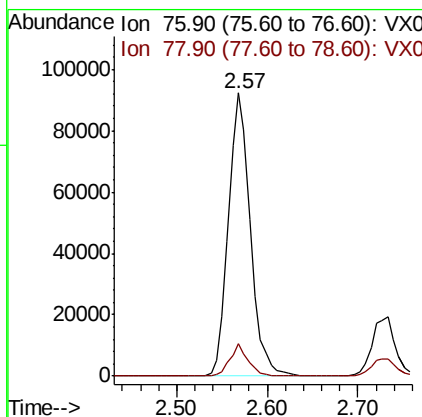
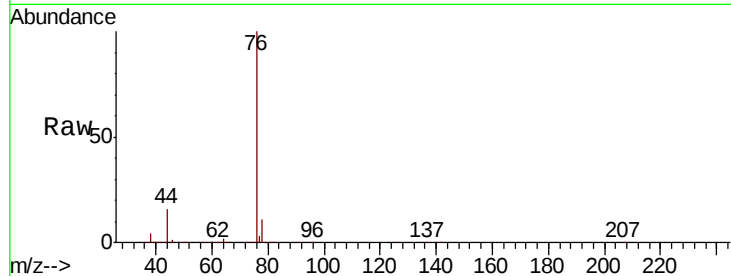




#17
Carbon Disulfide
Concen: 20.415 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX004838.D
Acq: 28 Sep 2018 23:39

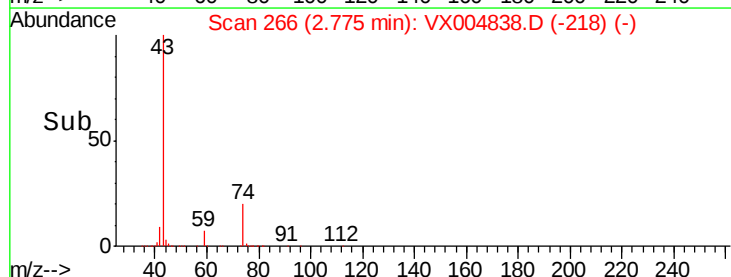
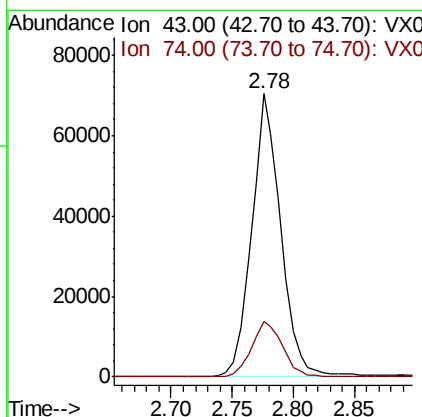
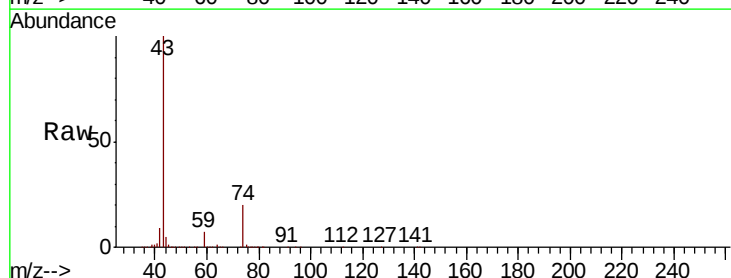
Instrument :
MSVOA_X
ClientSampleId :
VX0928WBS02

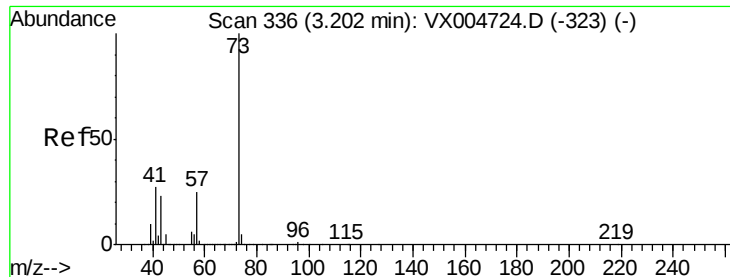
Tot Ion: 76 Resp: 154859
Ion Ratio Lower Upper
76 100
78 11.3 7.0 10.6#



#18
Methyl Acetate
Concen: 23.403 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX004838.D
Acq: 28 Sep 2018 23:39

Tgt Ion: 43 Resp: 115210
Ion Ratio Lower Upper
43 100
74 21.7 19.4 29.2



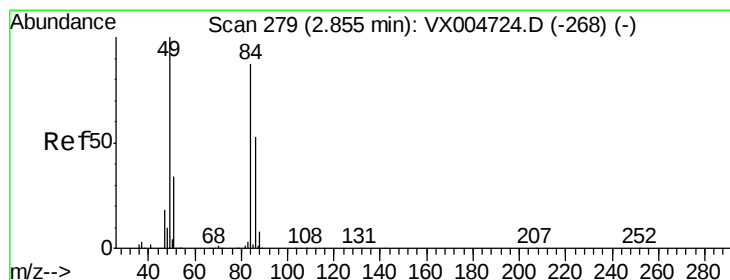
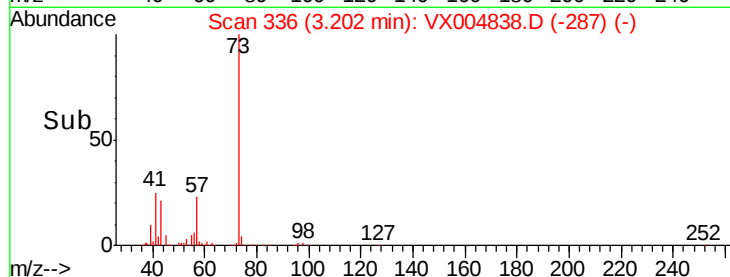
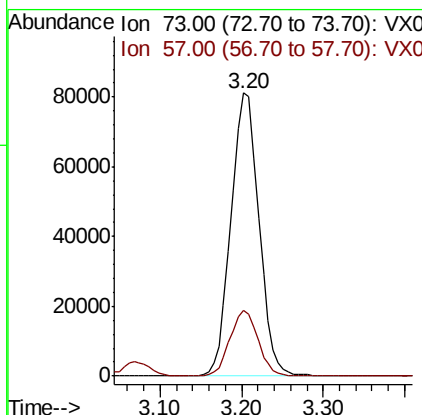
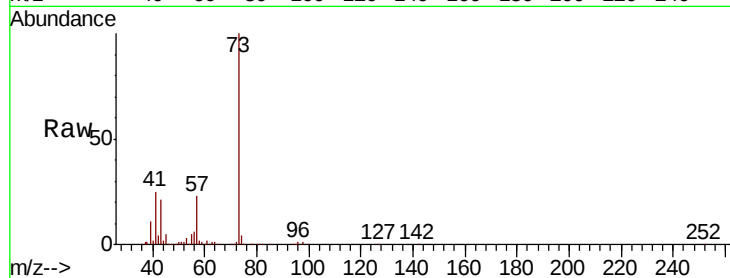


#19

Methyl tert-butyl Ether
 Concen: 22.084 ug/l
 RT: 3.20 min Scan# 336
 Delta R.T. -0.00 min
 Lab File: VX004838.D
 Acq: 28 Sep 2018 23:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0928WBS02

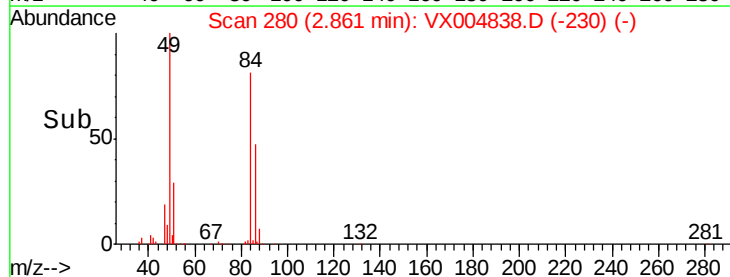
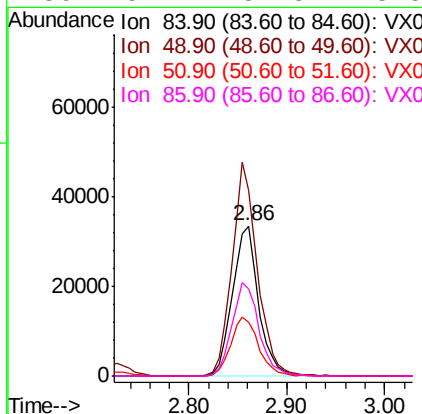
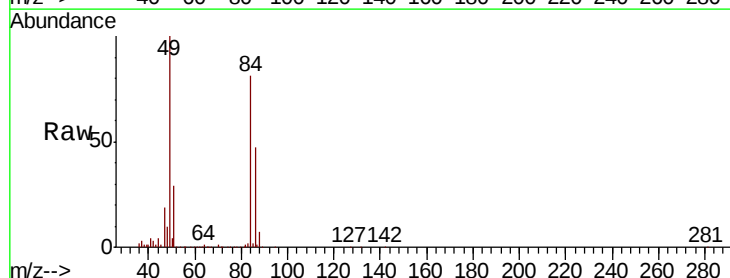
Tot Ion: 73 Resp: 192299
 Ion Ratio Lower Upper
 73 100
 57 22.9 17.1 25.7

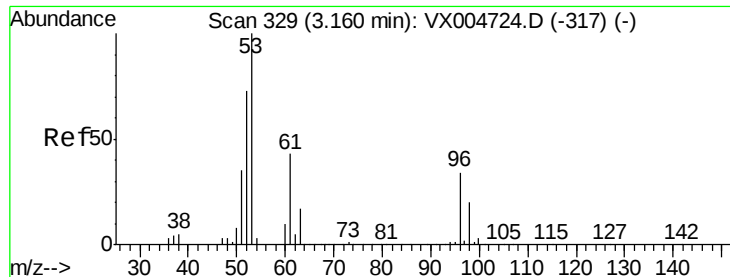


#20

Methylene Chloride
 Concen: 21.414 ug/l
 RT: 2.86 min Scan# 280
 Delta R.T. 0.01 min
 Lab File: VX004838.D
 Acq: 28 Sep 2018 23:39

Tgt Ion: 84 Resp: 61852
 Ion Ratio Lower Upper
 84 100
 49 123.8 101.2 151.8
 51 35.5 29.5 44.3
 86 57.7 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 20.382 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.00 min

Lab File: VX004838.D

Acq: 28 Sep 2018 23:39

Instrument :

MSVOA_X

ClientSampled :

VX0928WBS02

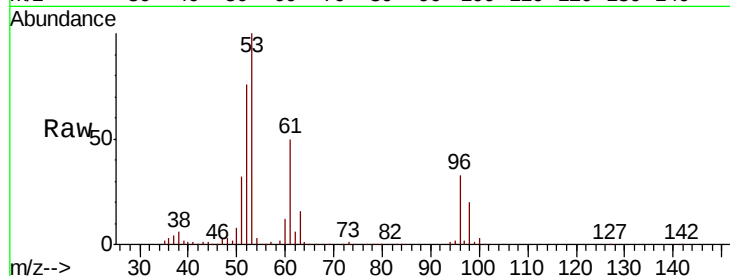
Tot Ion: 96 Resp: 56324

Ion Ratio Lower Upper

96 100

61 150.9 113.8 170.6

98 61.8 51.8 77.8

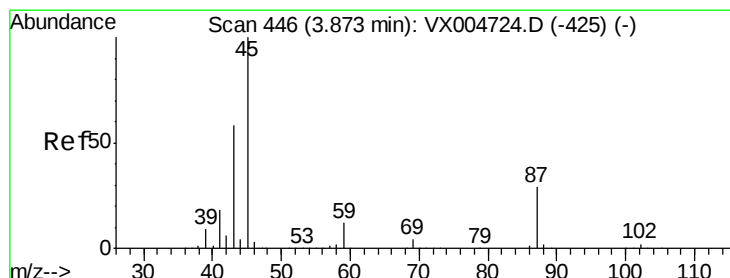
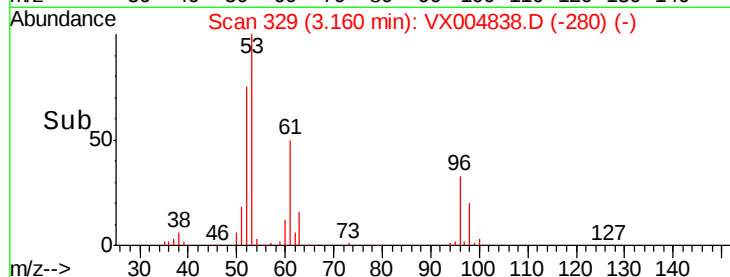
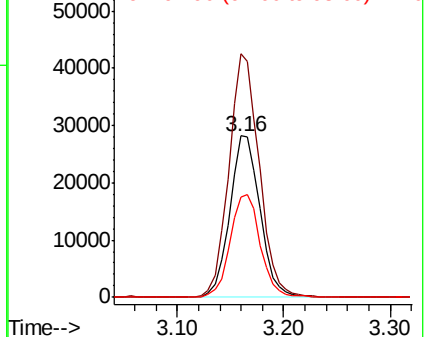


Abundance

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: 22.409 ug/l

RT: 3.87 min Scan# 446

Delta R.T. -0.00 min

Lab File: VX004838.D

Acq: 28 Sep 2018 23:39

Tgt Ion: 45 Resp: 207850

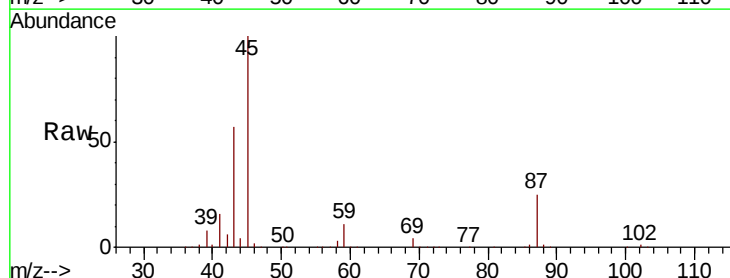
Ion Ratio Lower Upper

45 100

43 56.0 42.8 64.2

87 24.9 22.6 34.0

59 11.0 9.6 14.4



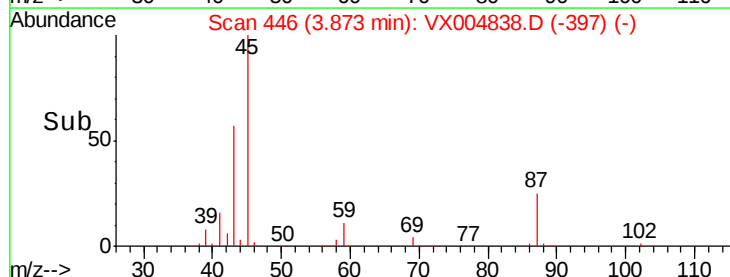
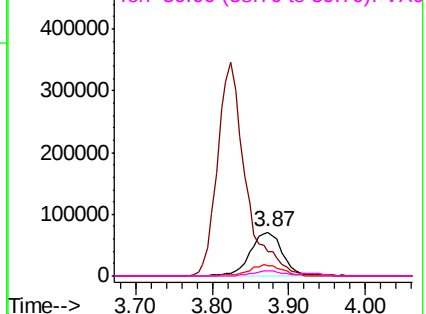
Abundance

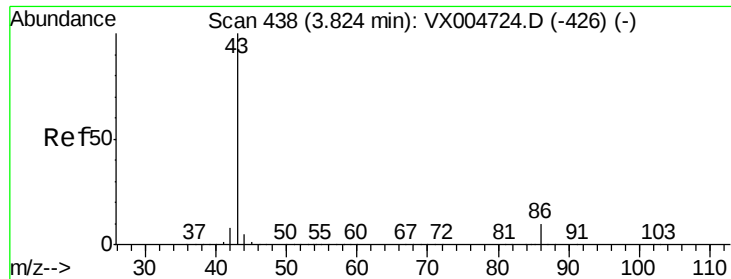
Ion 45.00 (44.70 to 45.70): VX0

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: 104.903 ug/l

RT: 3.82 min Scan# 438

Delta R.T. -0.00 min

Lab File: VX004838.D

Acq: 28 Sep 2018 23:39

Instrument :

MSVOA_X

ClientSampleId :

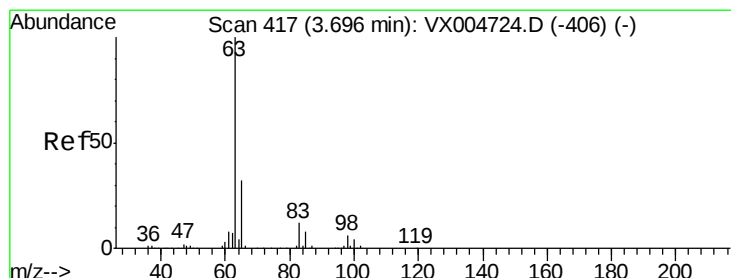
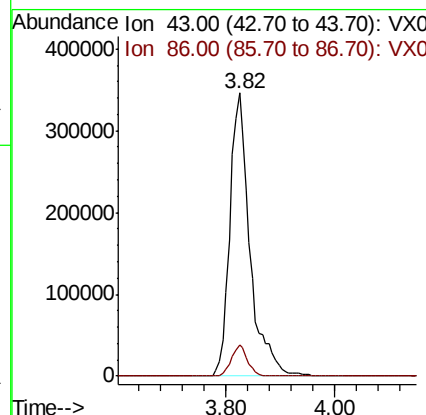
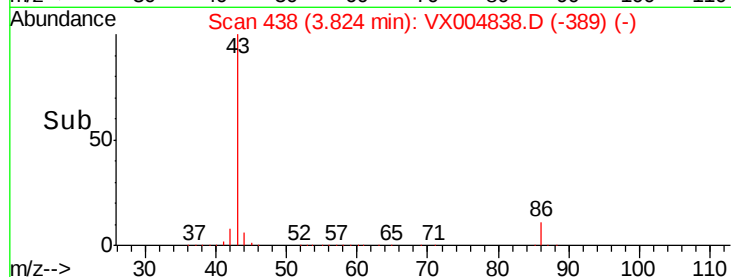
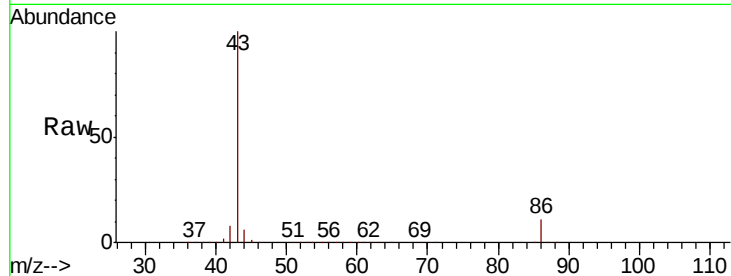
VX0928WBS02

Tot Ion: 43 Resp: 890646

Ion Ratio Lower Upper

43 100

86 10.8 8.9 13.3



#24

1,1-Dichloroethane

Concen: 20.905 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX004838.D

Acq: 28 Sep 2018 23:39

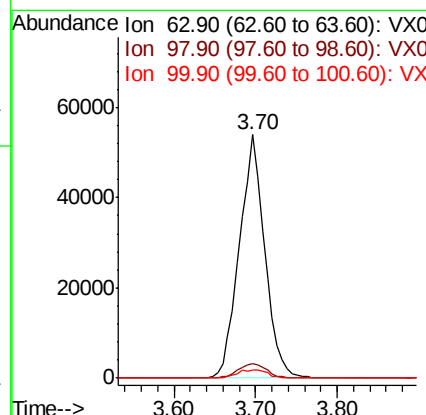
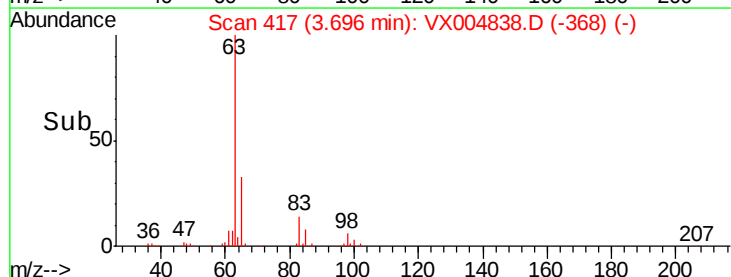
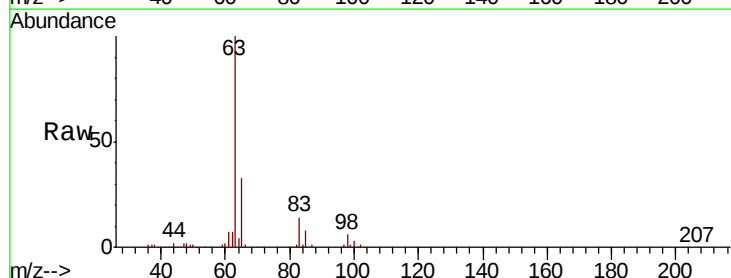
Tgt Ion: 63 Resp: 115663

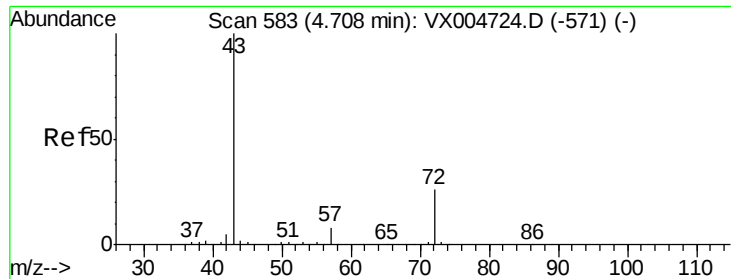
Ion Ratio Lower Upper

63 100

98 5.8 3.5 10.4

100 3.5 2.4 7.1





#25

2-Butanone

Concen: 100.678 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.01 min

Lab File: VX004838.D

Acq: 28 Sep 2018 23:39

Instrument :

MSVOA_X

ClientSampled :

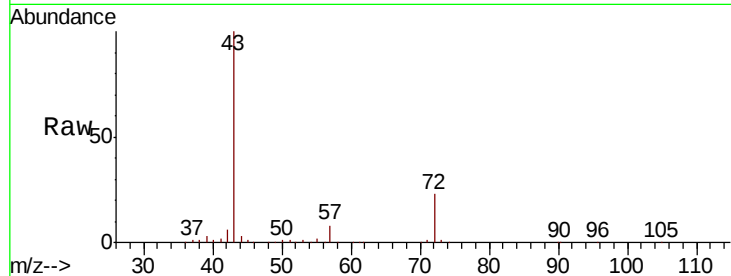
VX0928WBS02

Tot Ion: 43 Resp: 288354

Ion Ratio Lower Upper

43 100

72 22.6 22.0 33.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.70

100000

80000

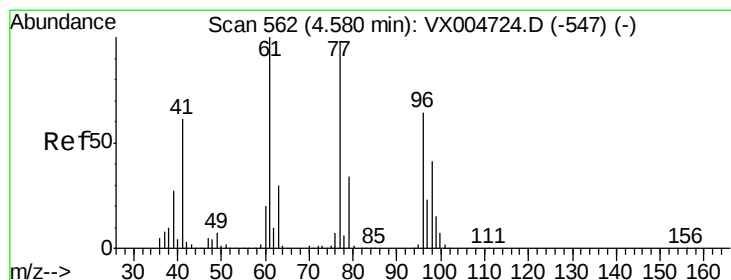
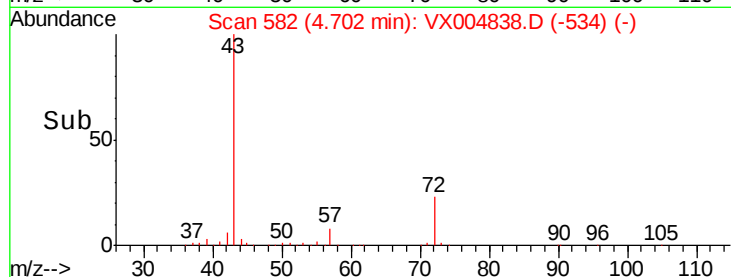
60000

40000

20000

0

Time-->



#26

2,2-Dichloropropane

Concen: 17.690 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VX004838.D

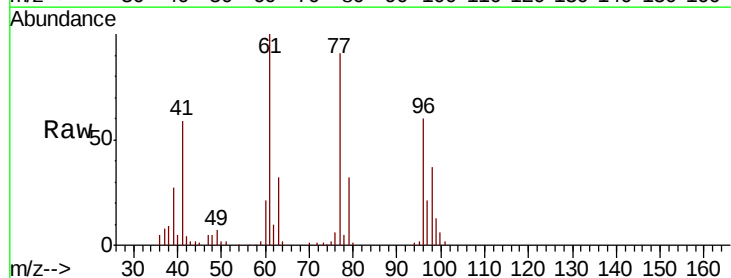
Acq: 28 Sep 2018 23:39

Tgt Ion: 77 Resp: 68156

Ion Ratio Lower Upper

77 100

97 24.0 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

25000

20000

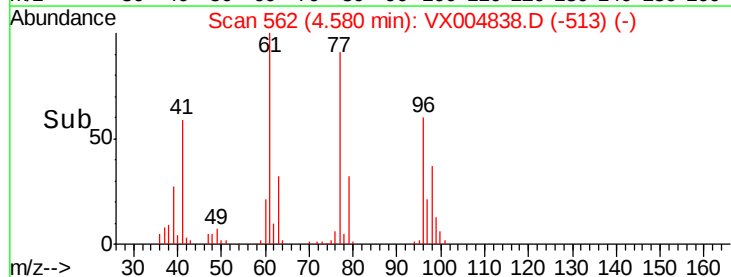
15000

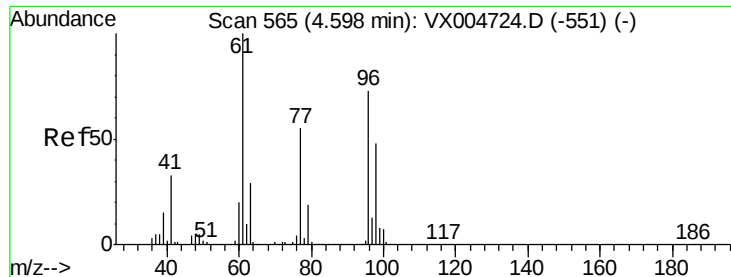
10000

5000

0

Time-->



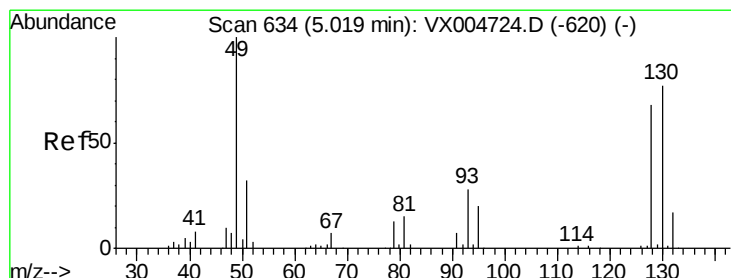
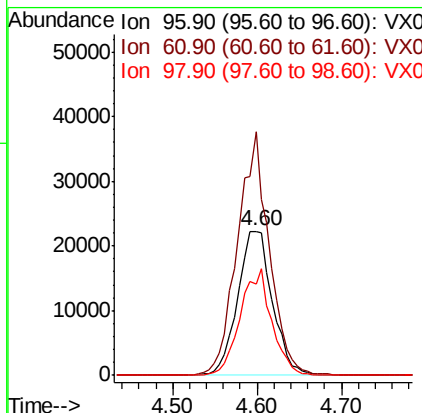
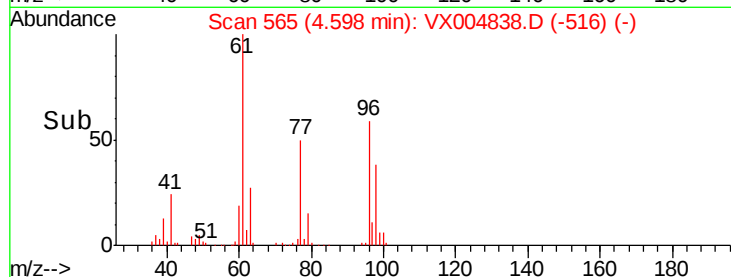
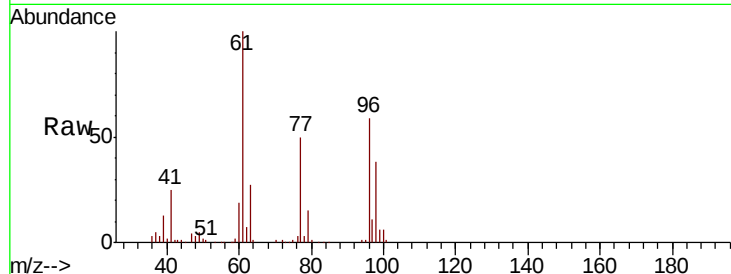


#27

cis-1,2-Dichloroethene
 Concen: 20.132 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. -0.00 min
 Lab File: VX004838.D
 Acq: 28 Sep 2018 23:39

Instrument :
 MSVOA_X
 ClientSampled :
 VX0928WBS02

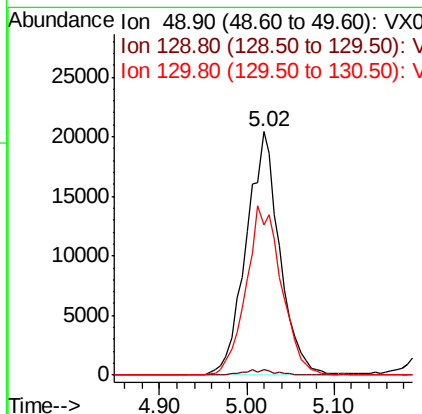
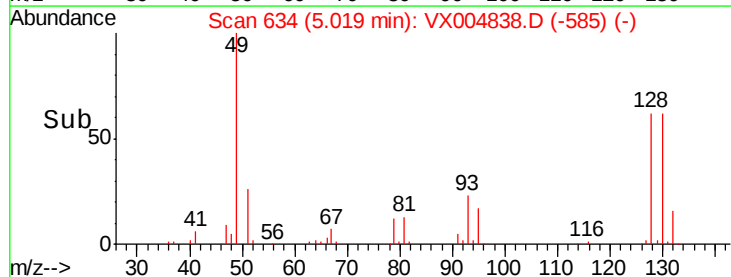
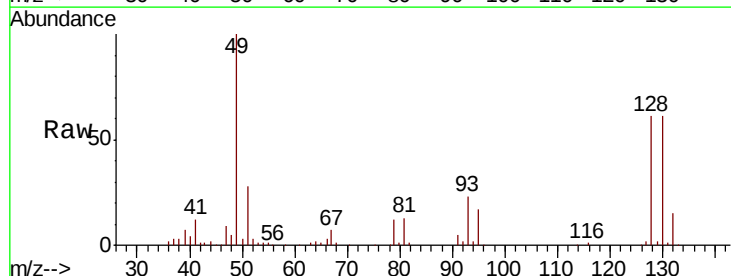
Tot Ion: 96 Resp: 62150
 Ion Ratio Lower Upper
 96 100
 61 154.9 0.0 282.6
 98 67.0 0.0 130.2

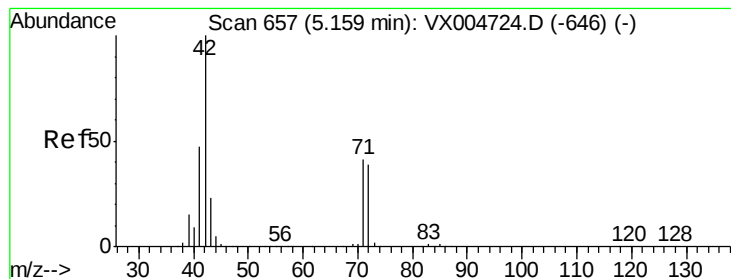


#28

Bromochloromethane
 Concen: 20.891 ug/l
 RT: 5.02 min Scan# 634
 Delta R.T. -0.00 min
 Lab File: VX004838.D
 Acq: 28 Sep 2018 23:39

Tgt Ion: 49 Resp: 54430
 Ion Ratio Lower Upper
 49 100
 129 1.0 0.0 4.2
 130 73.5 67.5 101.3





#29

Tetrahydrofuran

Concen: 107.257 ug/l

RT: 5.16 min Scan# 657

Delta R.T. -0.00 min

Lab File: VX004838.D

Acq: 28 Sep 2018 23:39

Instrument :

MSVOA_X

ClientSampleId :

VX0928WBS02

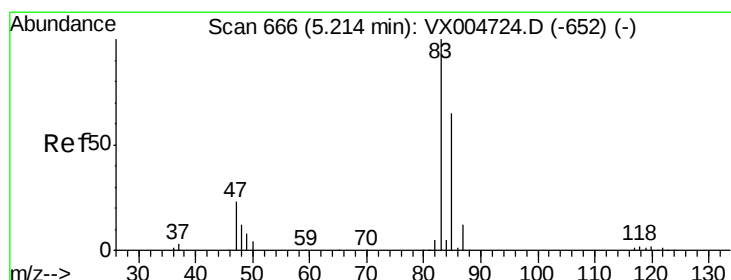
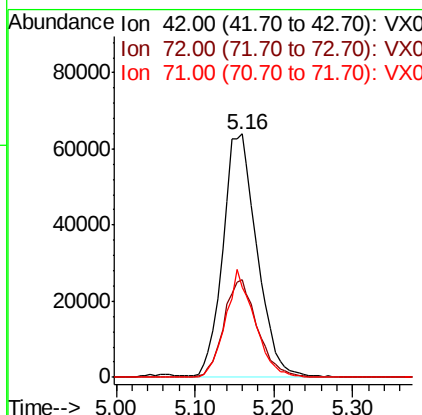
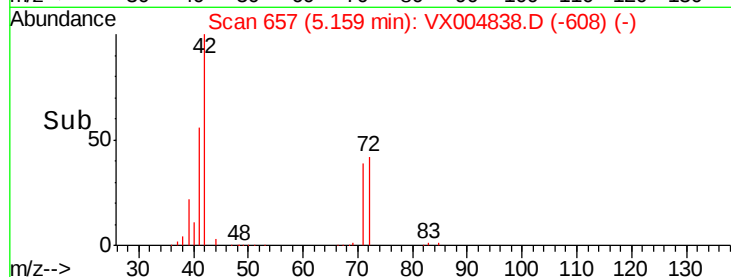
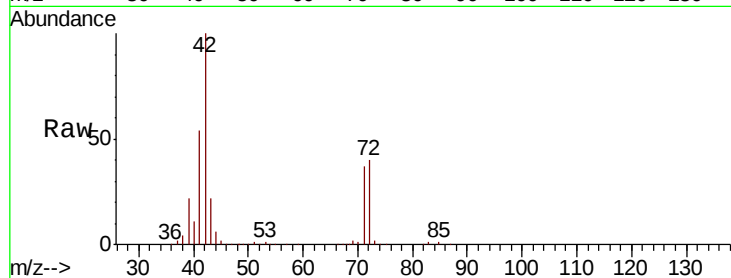
Tot Ion: 42 Resp: 190933

Ion Ratio Lower Upper

42 100

72 40.0 37.4 56.0

71 38.2 34.5 51.7



#30

Chloroform

Concen: 20.986 ug/l

RT: 5.21 min Scan# 666

Delta R.T. -0.00 min

Lab File: VX004838.D

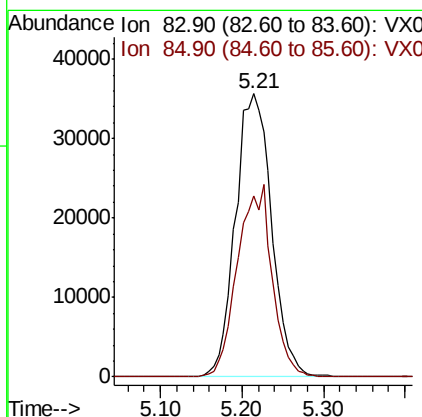
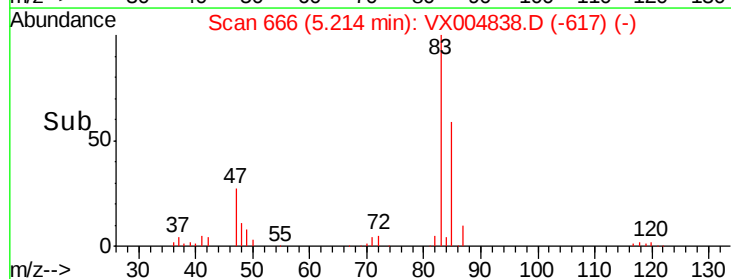
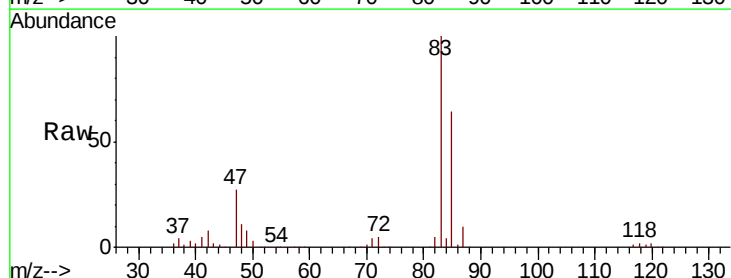
Acq: 28 Sep 2018 23:39

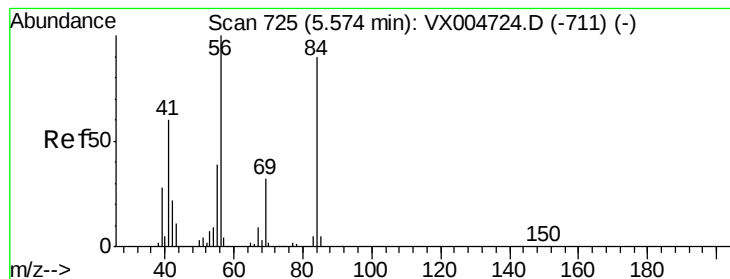
Tgt Ion: 83 Resp: 109738

Ion Ratio Lower Upper

83 100

85 64.2 52.6 79.0





#31

Cyclohexane

Concen: 23.444 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.00 min

Lab File: VX004838.D

Acq: 28 Sep 2018 23:39

Instrument :

MSVOA_X

ClientSampleId :

VX0928WBS02

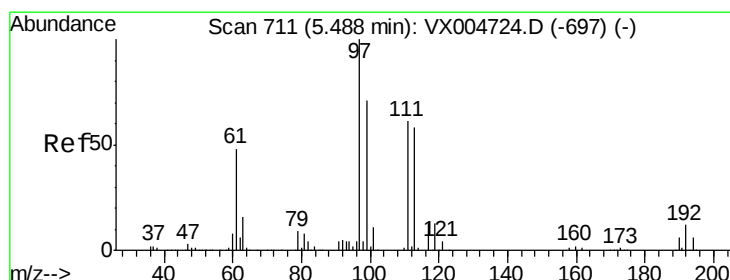
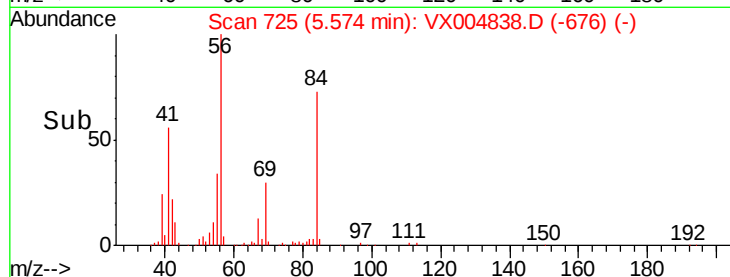
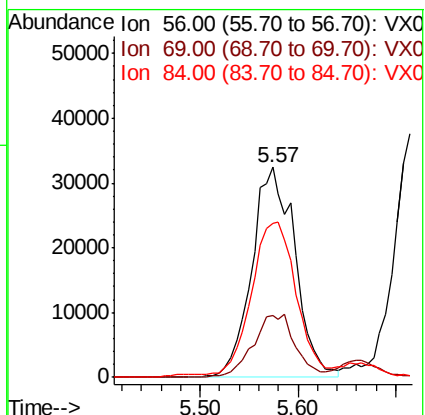
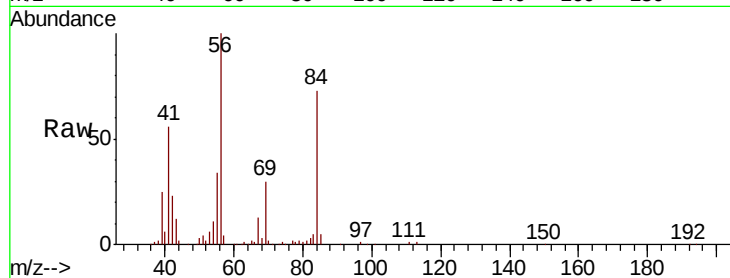
Tot Ion: 56 Resp: 99276

Ion Ratio Lower Upper

56 100

69 29.5 25.4 38.2

84 71.8 71.4 107.2



#32

1,1,1-Trichloroethane

Concen: 21.385 ug/l

RT: 5.49 min Scan# 711

Delta R.T. -0.00 min

Lab File: VX004838.D

Acq: 28 Sep 2018 23:39

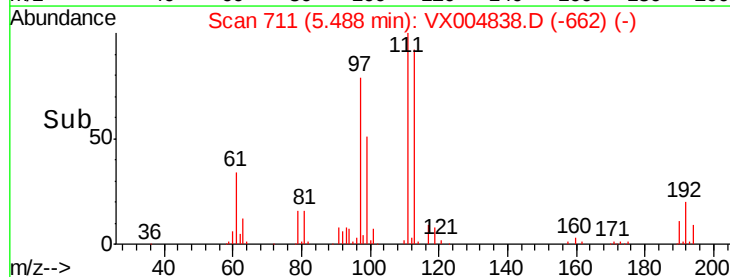
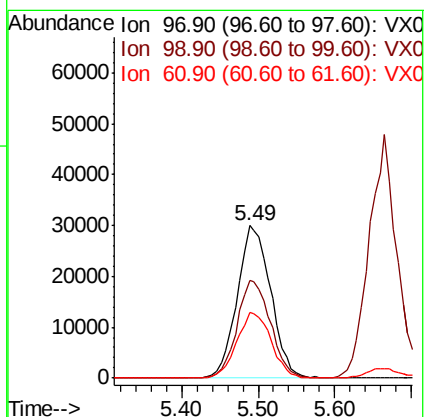
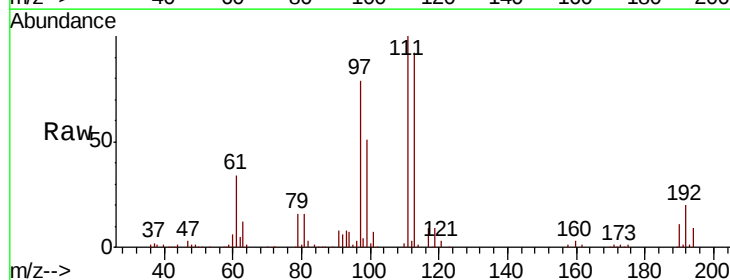
Tgt Ion: 97 Resp: 91322

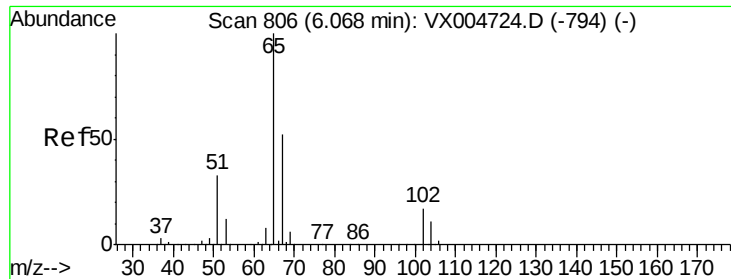
Ion Ratio Lower Upper

97 100

99 64.0 52.0 78.0

61 44.2 34.9 52.3





#33

1,2-Dichloroethane-d4

Concen: 52.325 ug/l

RT: 6.07 min Scan# 807

Delta R.T. 0.01 min

Lab File: VX004838.D

Acq: 28 Sep 2018 23:39

Instrument :

MSVOA_X

ClientSampleId :

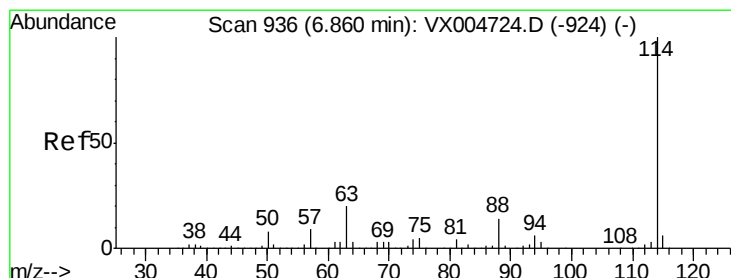
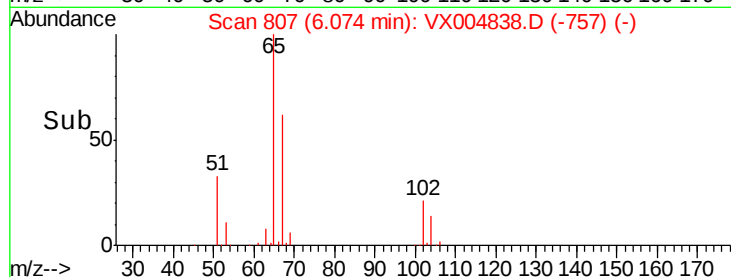
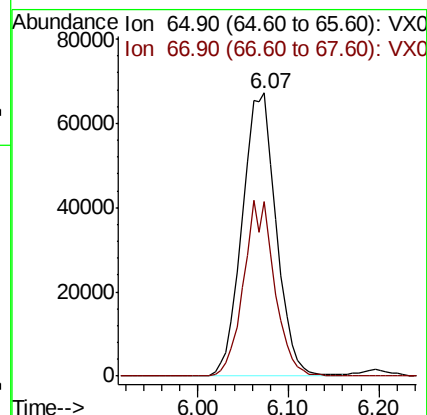
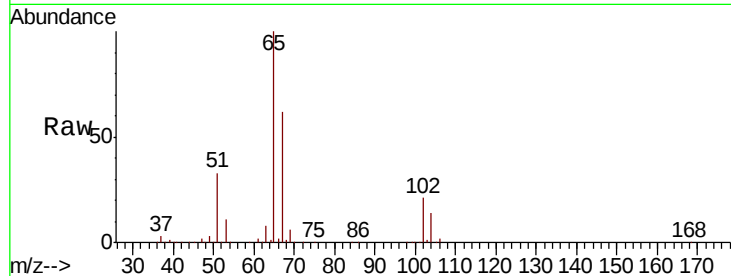
VX0928WBS02

Tot Ion: 65 Resp: 174145

Ion Ratio Lower Upper

65 100

67 56.7 0.0 106.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX004838.D

Acq: 28 Sep 2018 23:39

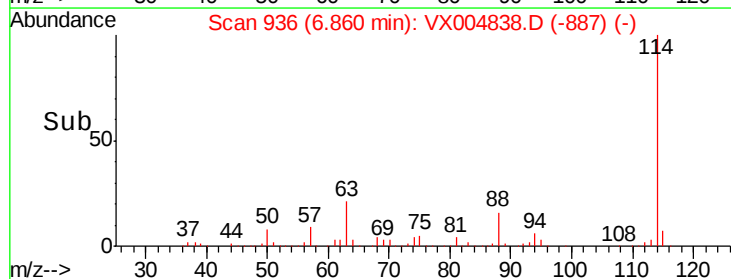
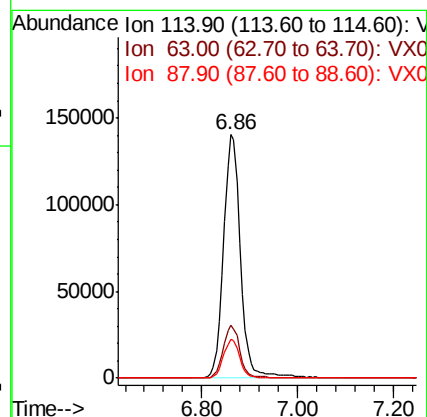
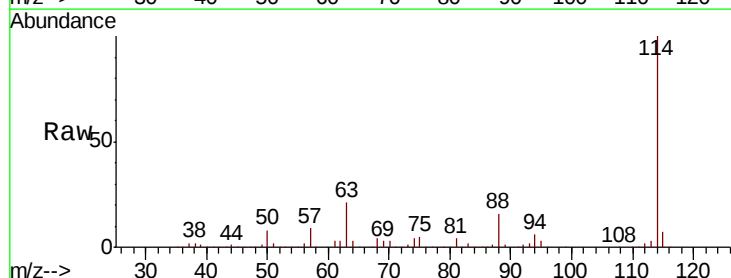
Tgt Ion: 114 Resp: 344403

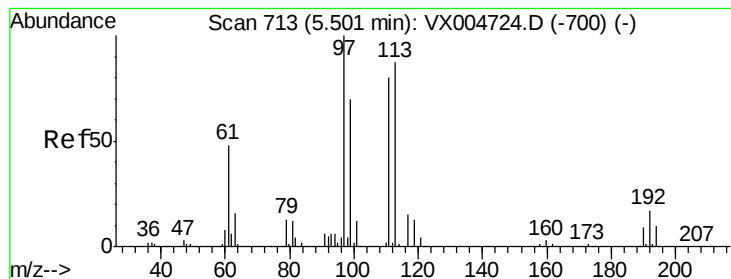
Ion Ratio Lower Upper

114 100

63 21.5 0.0 39.0

88 16.1 0.0 30.4





#35

Dibromofluoromethane

Concen: 48.091 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX004838.D

Acq: 28 Sep 2018 23:39

Instrument :

MSVOA_X

ClientSampleId :

VX0928WBS02

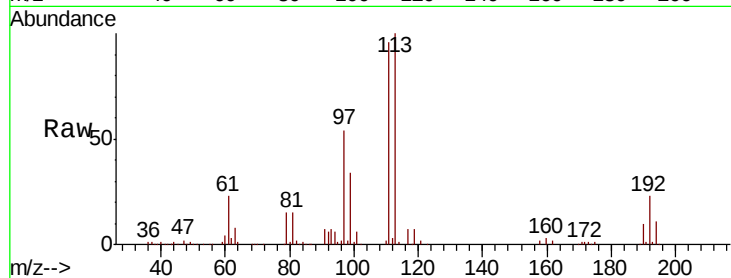
Tot Ion:113 Resp: 140371

Ion Ratio Lower Upper

113 100

111 99.4 82.4 123.6

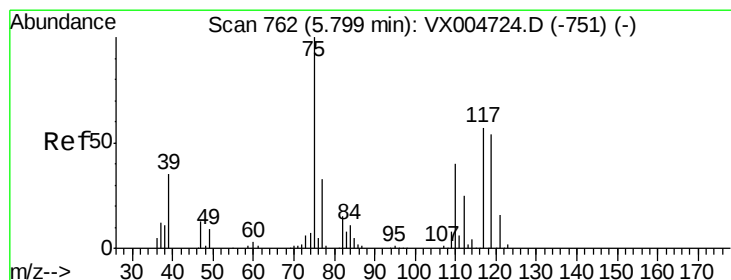
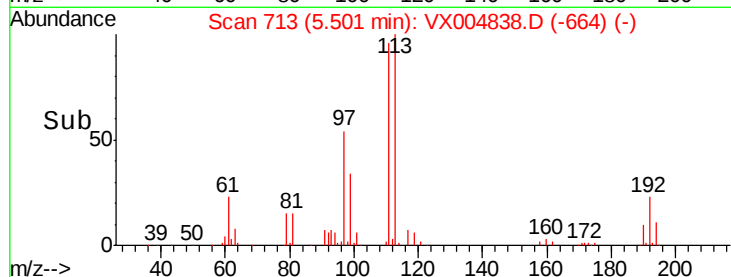
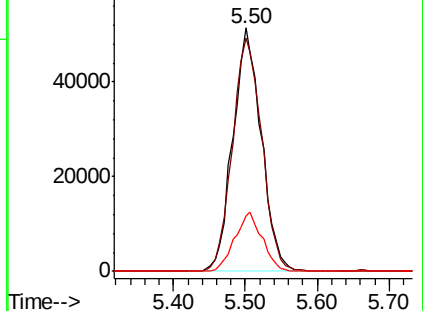
192 23.5 19.4 29.2



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: 19.218 ug/l

RT: 5.80 min Scan# 762

Delta R.T. -0.00 min

Lab File: VX004838.D

Acq: 28 Sep 2018 23:39

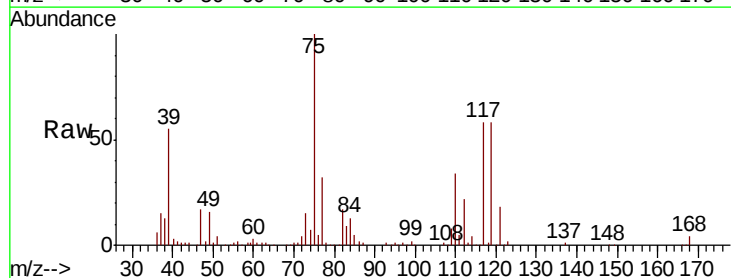
Tgt Ion: 75 Resp: 76534

Ion Ratio Lower Upper

75 100

110 37.0 18.0 54.0

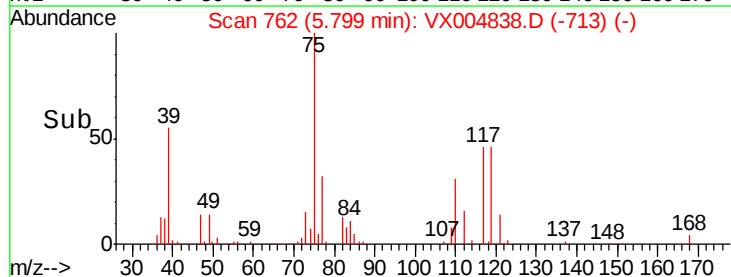
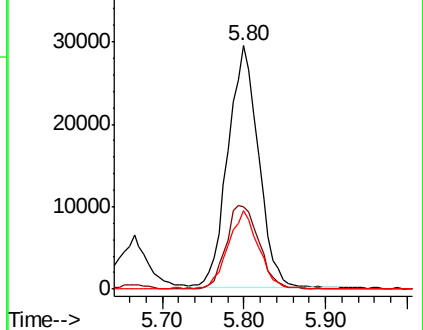
77 32.2 24.6 36.8

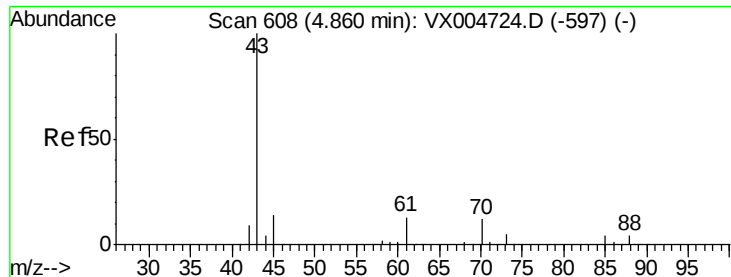


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

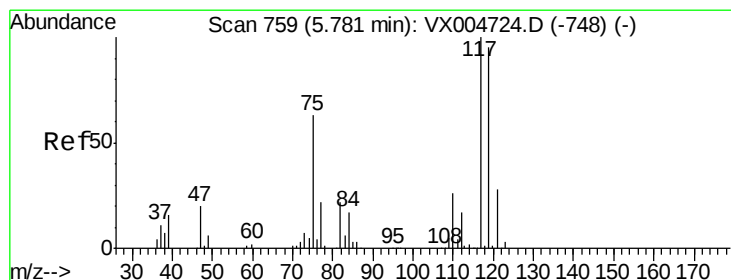
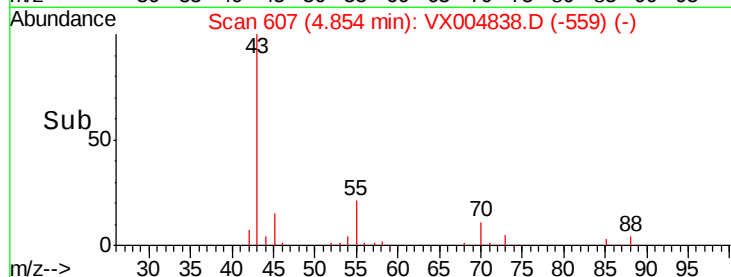
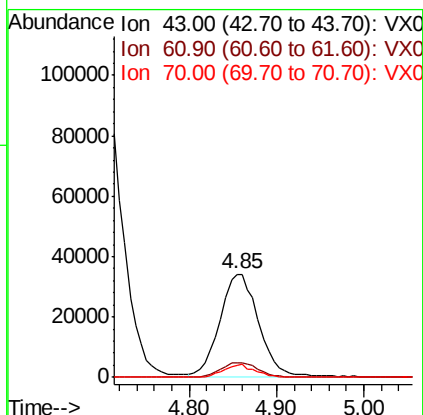
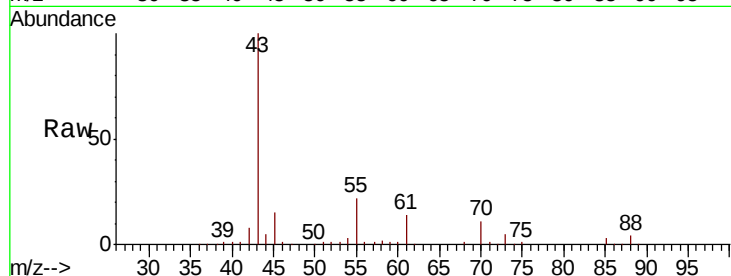




#37
Ethyl Acetate
Concen: 19.667 ug/l
RT: 4.85 min Scan# 607
Delta R.T. -0.01 min
Lab File: VX004838.D
Acq: 28 Sep 2018 23:39

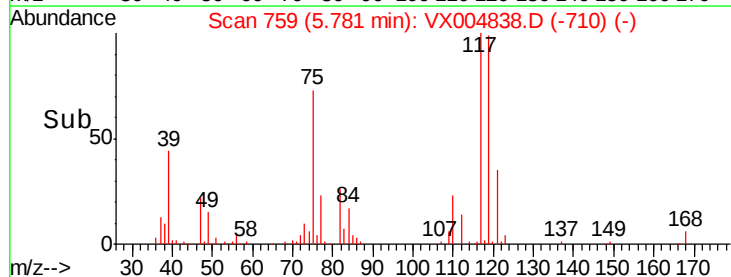
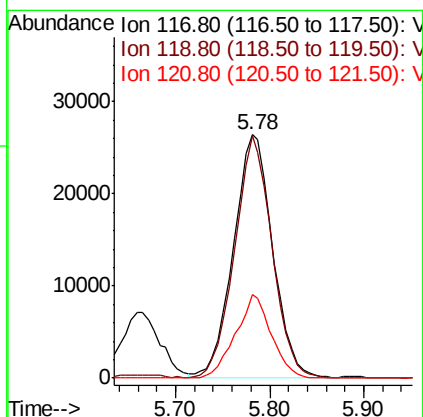
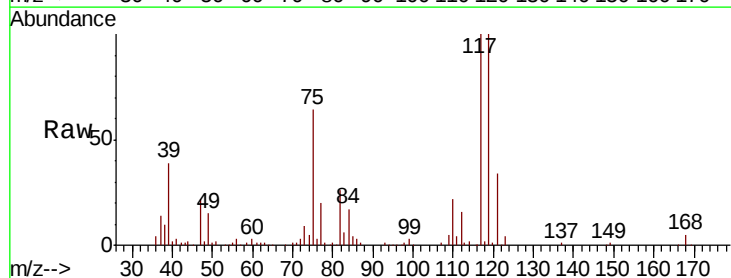
Instrument :
MSVOA_X
ClientSampleId :
VX0928WBS02

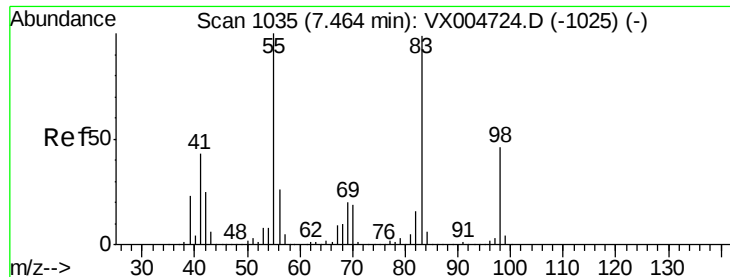
Tot Ion: 43 Resp: 103967
Ion Ratio Lower Upper
43 100
61 13.8 11.5 17.3
70 10.4 9.0 13.6



#38
Carbon Tetrachloride
Concen: 18.192 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX004838.D
Acq: 28 Sep 2018 23:39

Tgt Ion: 117 Resp: 76154
Ion Ratio Lower Upper
117 100
119 99.7 78.8 118.2
121 34.6 24.9 37.3

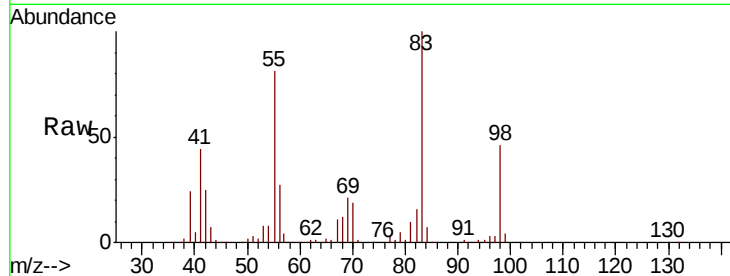




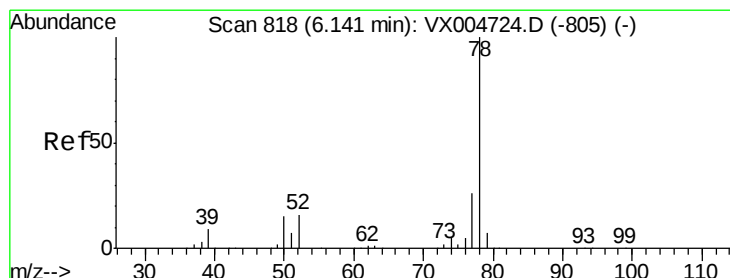
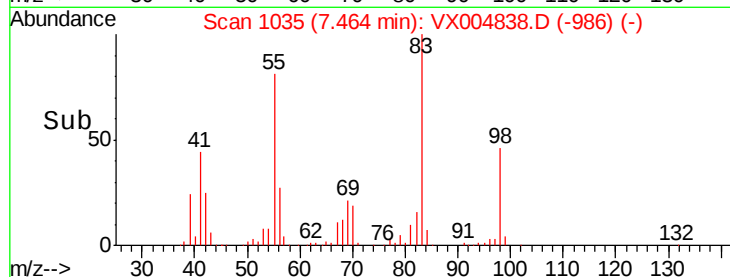
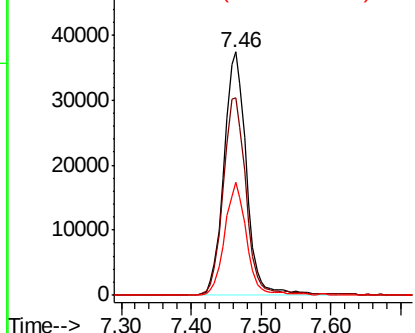
#39
Methvlcvclohexane
Concen: 20.623 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX004838.D
Acq: 28 Sep 2018 23:39

Instrument :
MSVOA_X
ClientSampleId :
VX0928WBS02

Tot Ion: 83 Resp: 83861
Ion Ratio Lower Upper
83 100
55 81.4 61.0 91.4
98 46.3 39.6 59.4

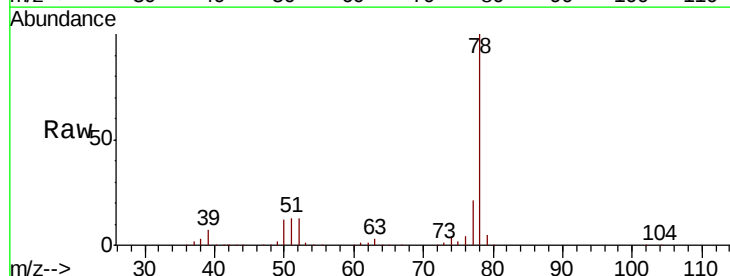


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

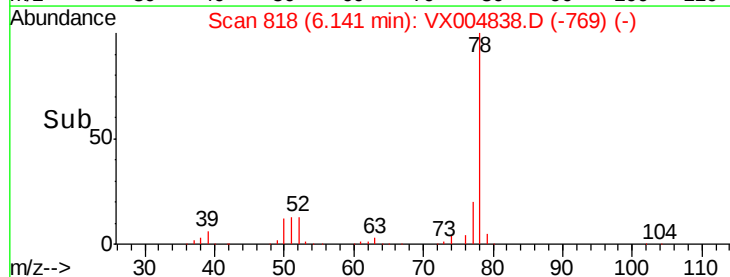
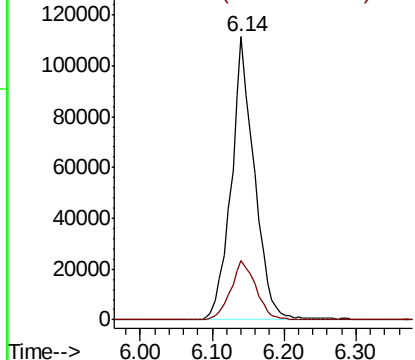


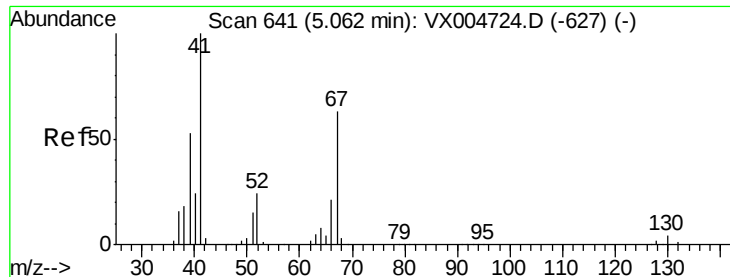
#40
Benzene
Concen: 20.055 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX004838.D
Acq: 28 Sep 2018 23:39

Tgt Ion: 78 Resp: 250039
Ion Ratio Lower Upper
78 100
77 20.9 19.0 28.4



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

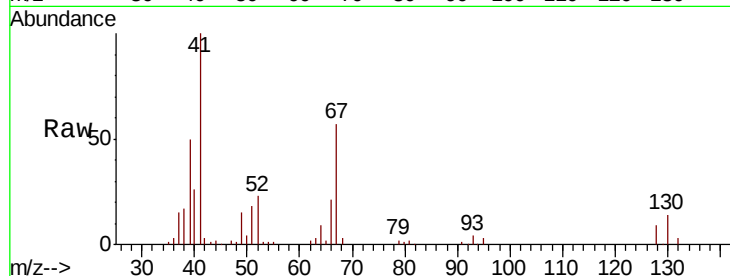




#41
Methacrylonitrile
Concen: 19.781 ug/l
RT: 5.06 min Scan# 640
Delta R.T. -0.01 min
Lab File: VX004838.D
Acq: 28 Sep 2018 23:39

Instrument :
MSVOA_X
ClientSampled :
VX0928WBS02

Tot Ion:	41	Resp:	57992
Ion	Ratio	Lower	Upper
41	100		
39	54.1	42.4	63.6
67	70.4	59.2	88.8
52	29.2	23.0	34.4



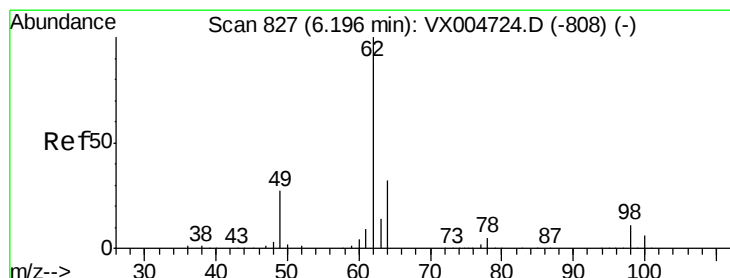
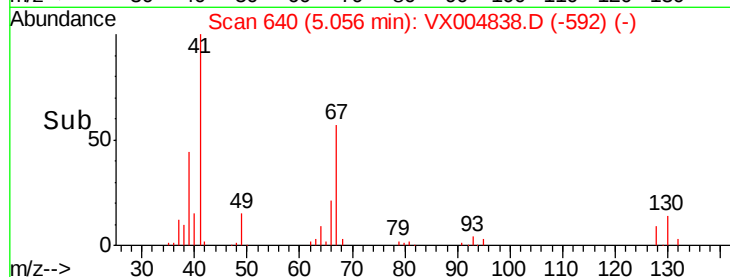
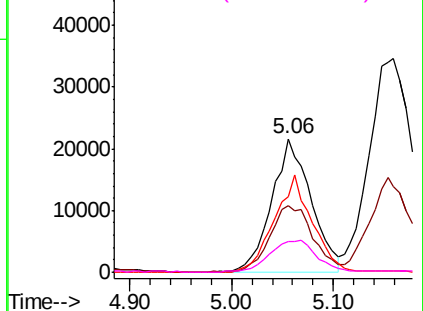
Abundance

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

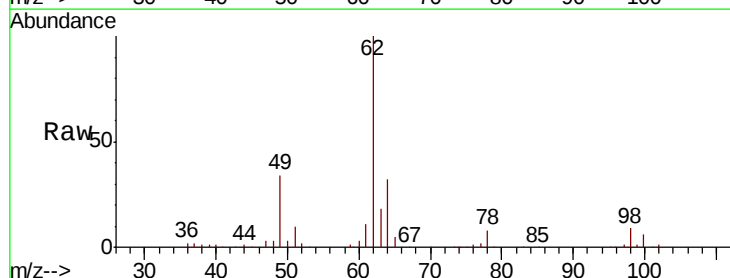
Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42
1,2-Dichloroethane
Concen: 19.720 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.00 min
Lab File: VX004838.D
Acq: 28 Sep 2018 23:39

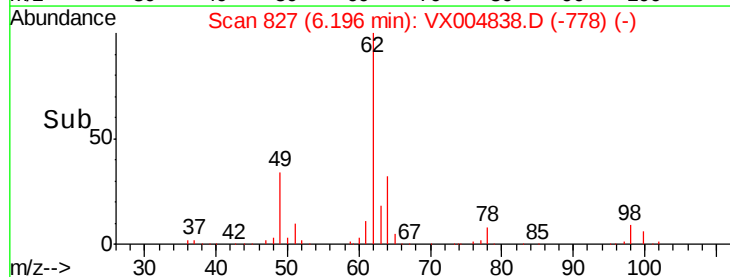
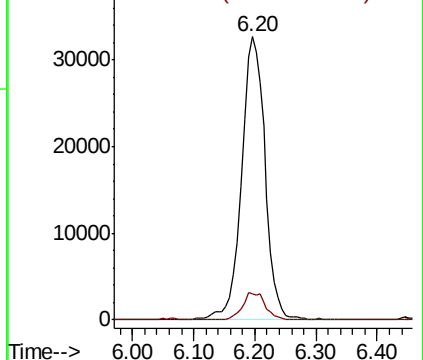
Tgt Ion:	62	Resp:	86917
Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	20.6

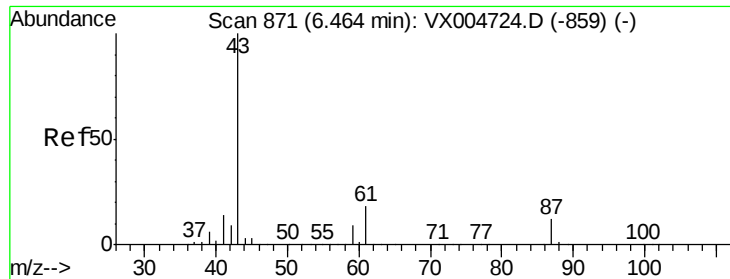


Abundance

Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 19.254 ug/l

RT: 6.46 min Scan# 871

Delta R.T. -0.00 min

Lab File: VX004838.D

Acq: 28 Sep 2018 23:39

Instrument :

MSVOA_X

ClientSampleId :

VX0928WBS02

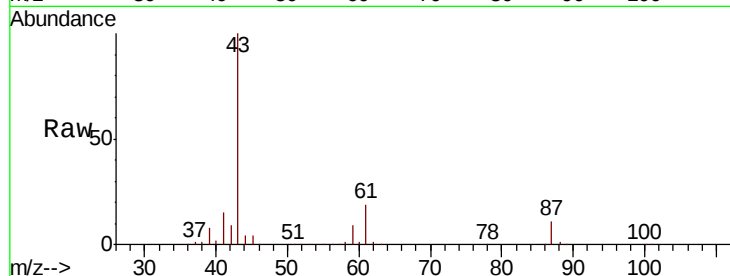
Tot Ion: 43 Resp: 146909

Ion Ratio Lower Upper

43 100

61 20.0 17.0 25.4

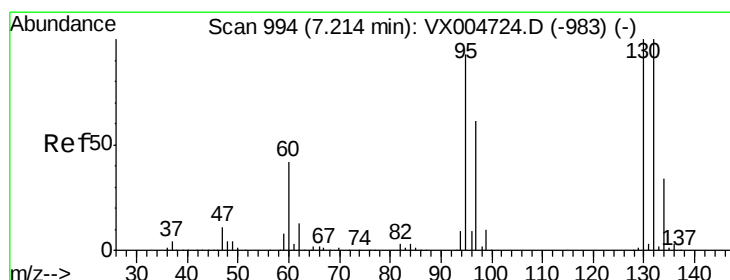
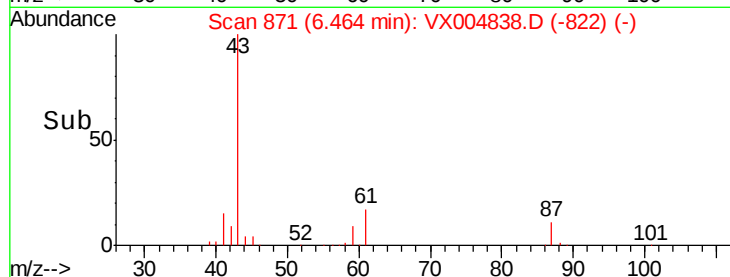
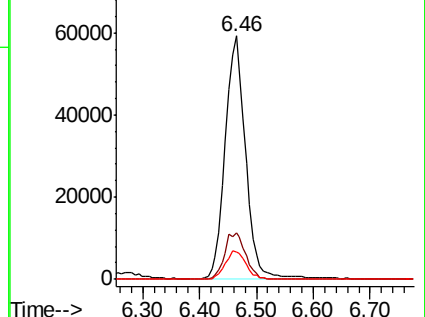
87 12.0 11.4 17.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#44

Trichloroethene

Concen: 19.925 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX004838.D

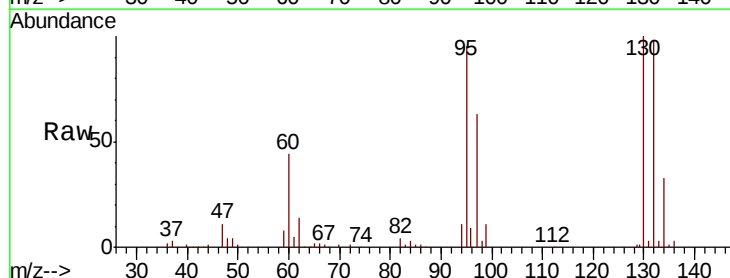
Acq: 28 Sep 2018 23:39

Tgt Ion:130 Resp: 61068

Ion Ratio Lower Upper

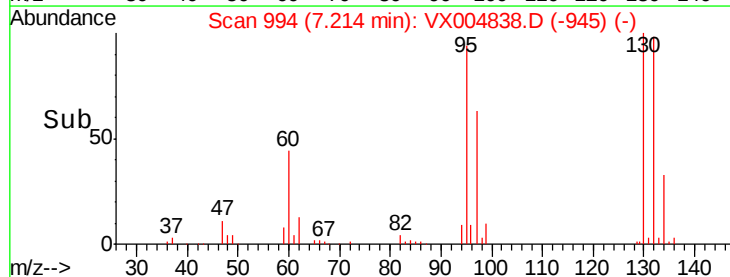
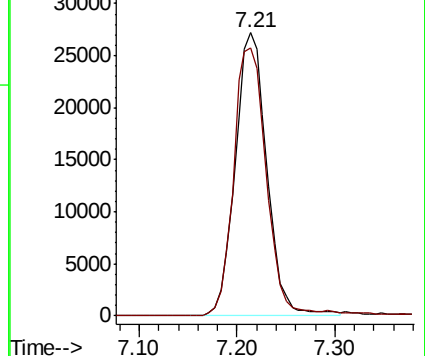
130 100

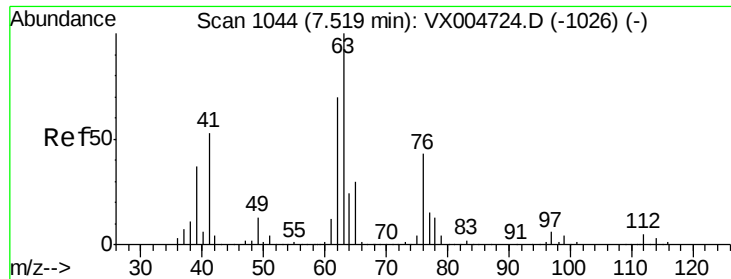
95 94.7 0.0 181.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

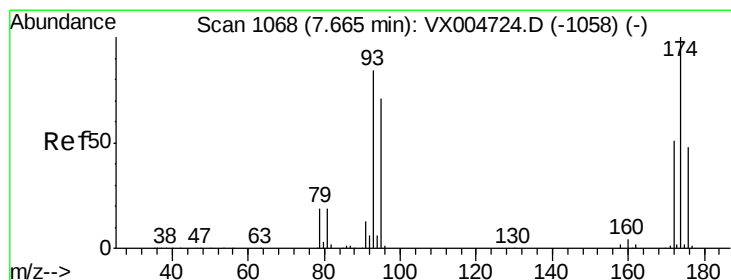
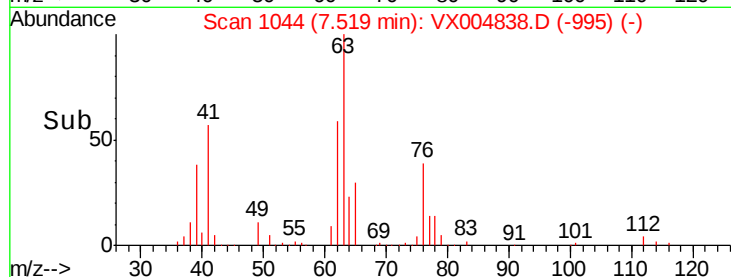
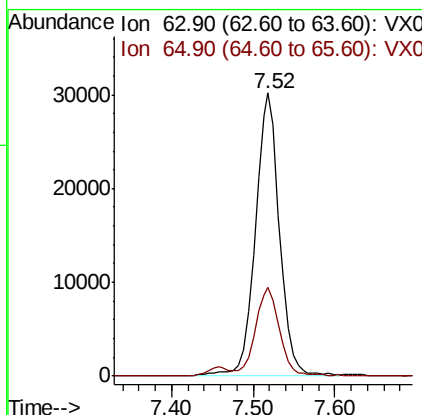
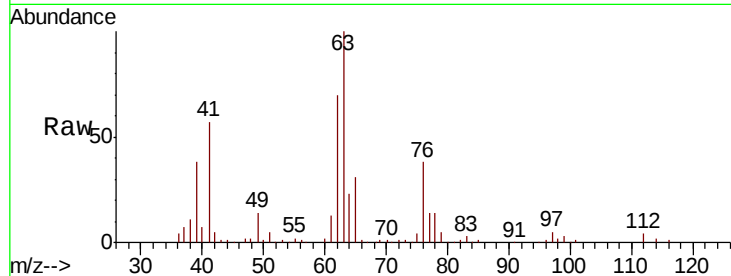




#45
 1,2-Dichloropropane
 Concen: 20.501 ug/l
 RT: 7.52 min Scan# 1044
 Delta R.T. -0.00 min
 Lab File: VX004838.D
 Acq: 28 Sep 2018 23:39

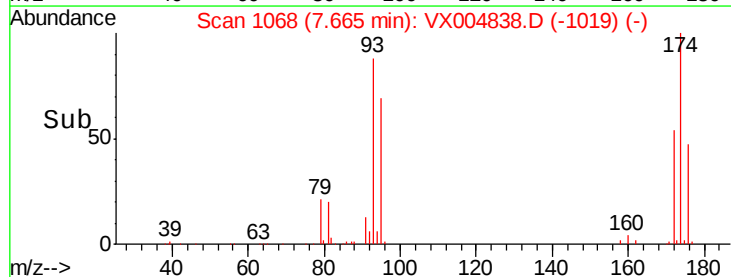
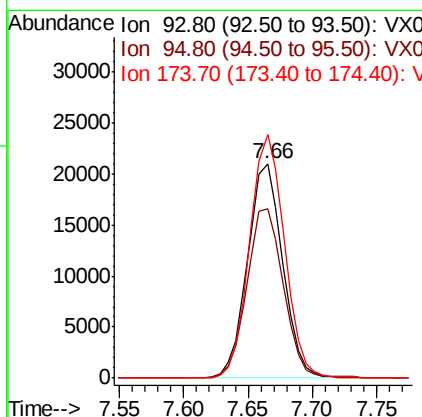
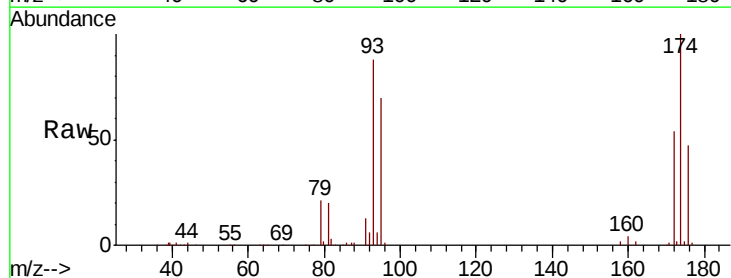
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0928WBS02

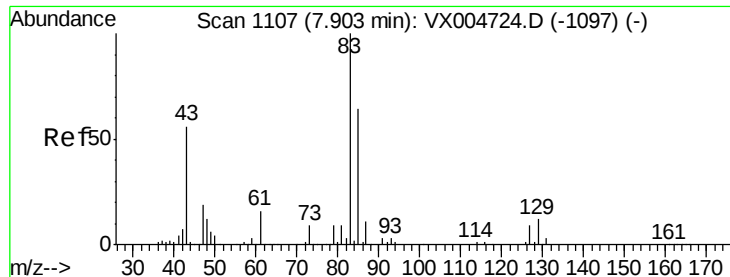
Tot Ion: 63 Resp: 62682
 Ion Ratio Lower Upper
 63 100
 65 31.2 24.3 36.5



#46
 Dibromomethane
 Concen: 20.555 ug/l
 RT: 7.66 min Scan# 1068
 Delta R.T. -0.00 min
 Lab File: VX004838.D
 Acq: 28 Sep 2018 23:39

Tgt Ion: 93 Resp: 39497
 Ion Ratio Lower Upper
 93 100
 95 82.2 65.5 98.3
 174 113.1 94.2 141.4





#47

Bromodichloromethane

Concen: 20.548 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VX004838.D

Acq: 28 Sep 2018 23:39

Instrument :

MSVOA_X

ClientSampled :

VX0928WBS02

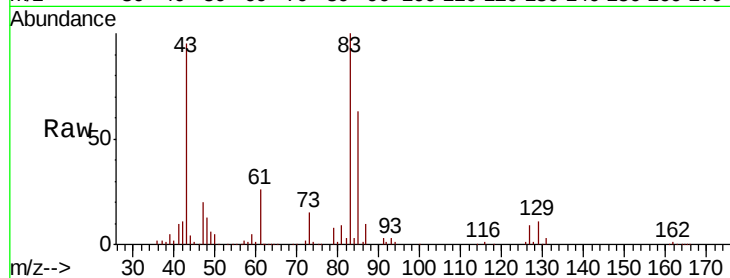
Tot Ion: 83 Resp: 73924

Ion Ratio Lower Upper

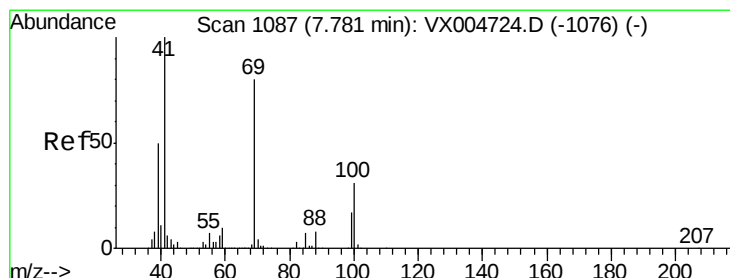
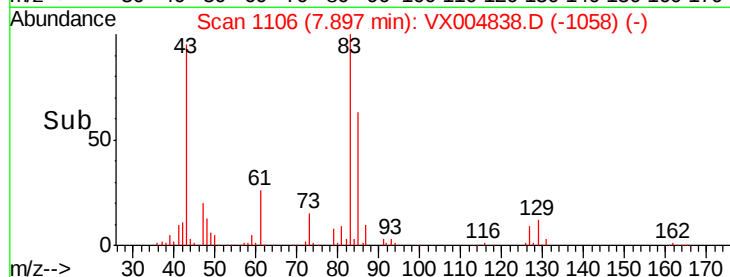
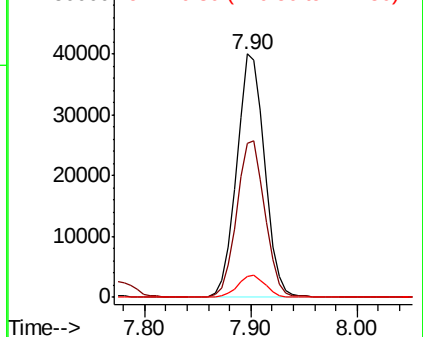
83 100

85 62.9 50.9 76.3

127 8.5 7.3 10.9



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: 21.655 ug/l

RT: 7.77 min Scan# 1086

Delta R.T. -0.01 min

Lab File: VX004838.D

Acq: 28 Sep 2018 23:39

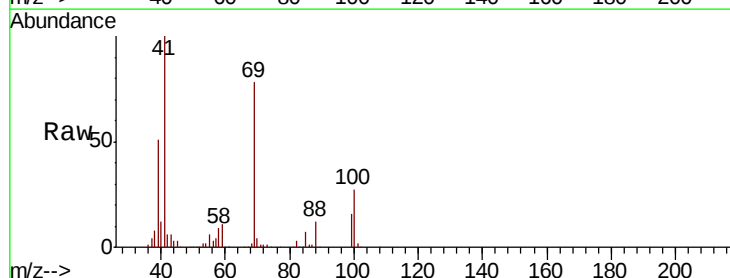
Tgt Ion: 41 Resp: 74995

Ion Ratio Lower Upper

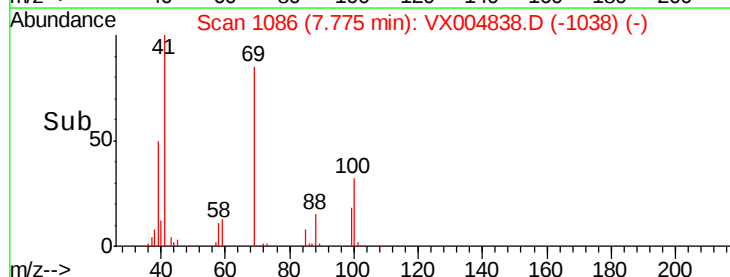
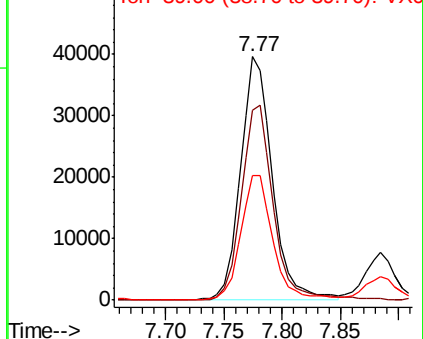
41 100

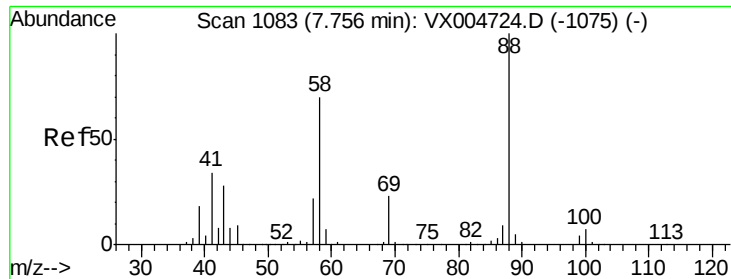
69 81.0 70.2 105.4

39 52.5 42.7 64.1



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

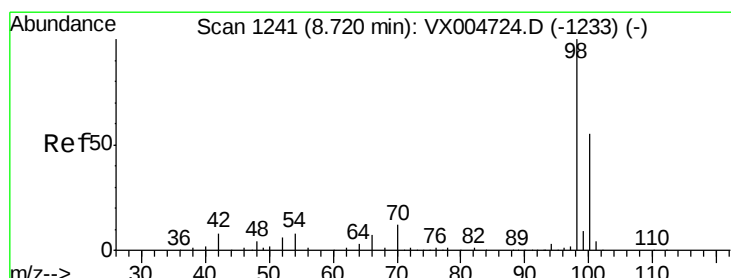
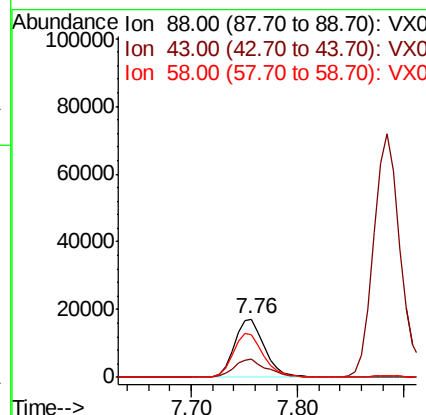
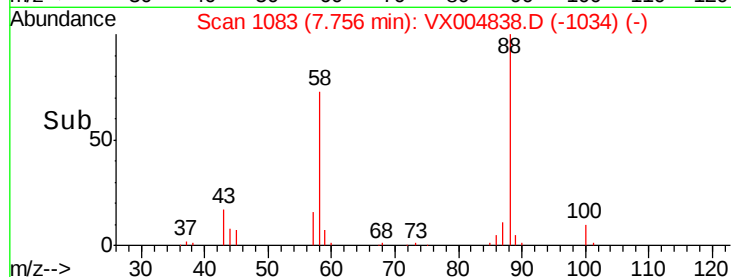
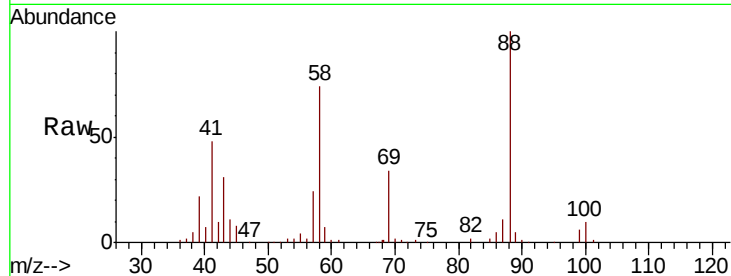




#49
1,4-Dioxane
Concen: 396.074 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. -0.00 min
Lab File: VX004838.D
Acq: 28 Sep 2018 23:39

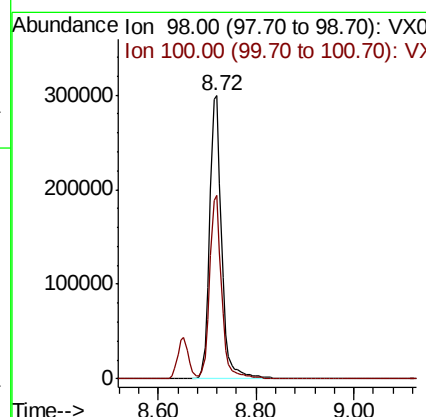
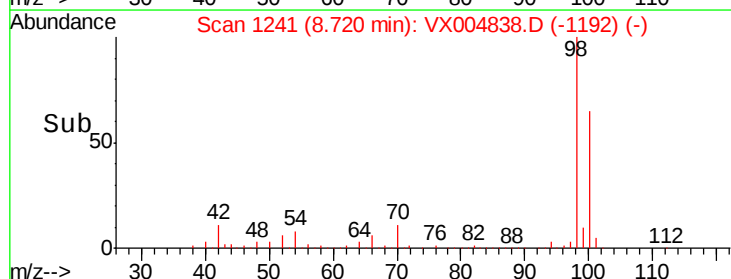
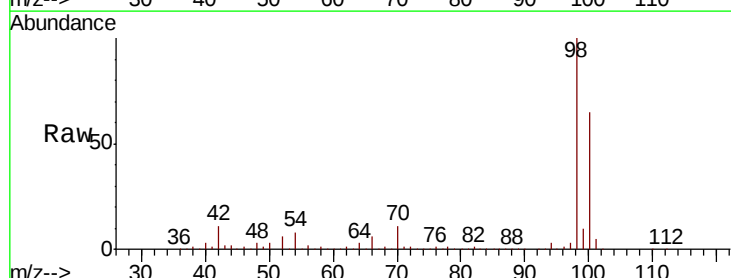
Instrument :
MSVOA_X
ClientSampleId :
VX0928WBS02

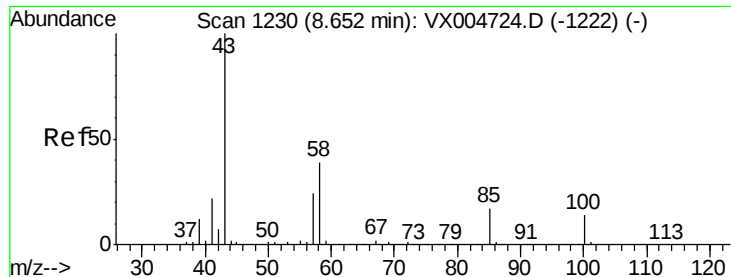
Tot Ion: 88 Resp: 34077
Ion Ratio Lower Upper
88 100
43 34.9 24.7 37.1
58 76.5 55.3 82.9



#50
Toluene-d8
Concen: 52.666 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. -0.00 min
Lab File: VX004838.D
Acq: 28 Sep 2018 23:39

Tgt Ion: 98 Resp: 511059
Ion Ratio Lower Upper
98 100
100 64.4 52.9 79.3





#51

4-Methyl-2-Pentanone

Concen: 109.657 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.01 min

Lab File: VX004838.D

Acq: 28 Sep 2018 23:39

Instrument :

MSVOA_X

ClientSampleId :

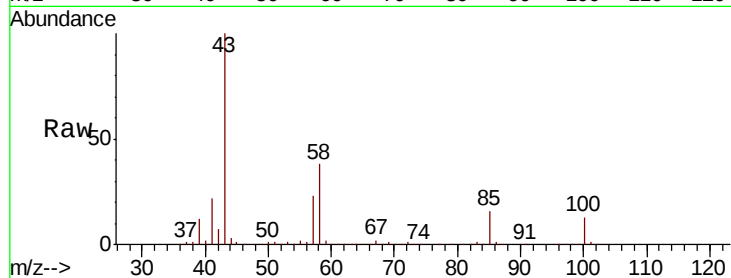
VX0928WBS02

Tot Ion: 43 Resp: 526808

Ion Ratio Lower Upper

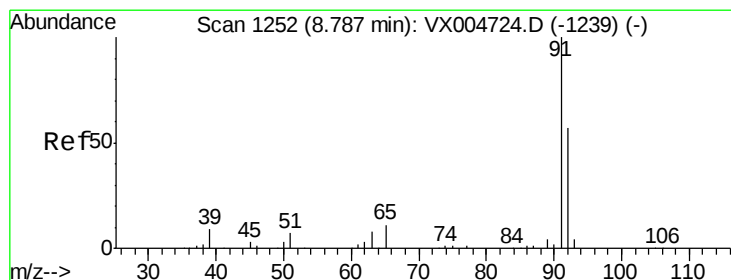
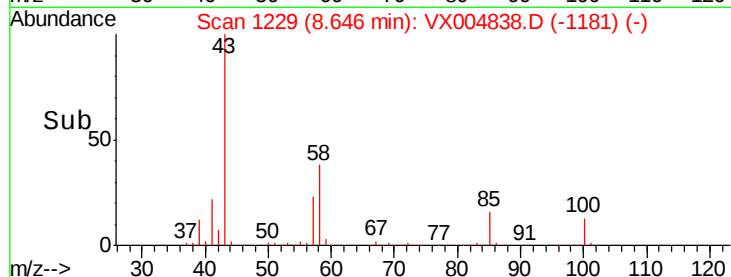
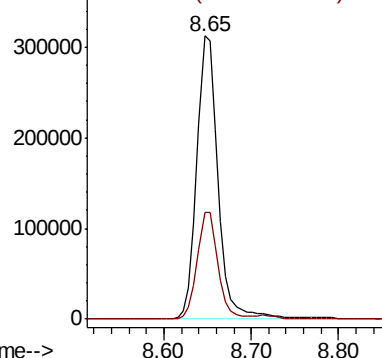
43 100

58 36.8 33.1 49.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 20.955 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX004838.D

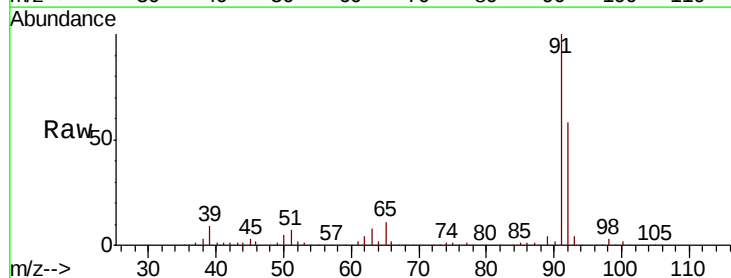
Acq: 28 Sep 2018 23:39

Tgt Ion: 92 Resp: 143555

Ion Ratio Lower Upper

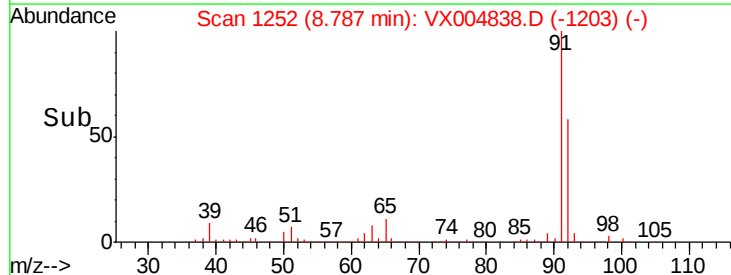
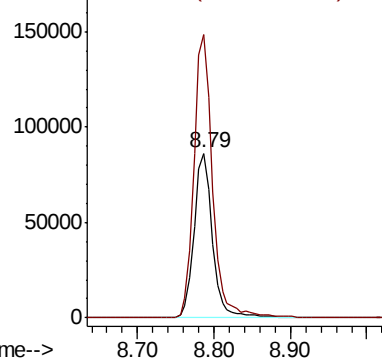
92 100

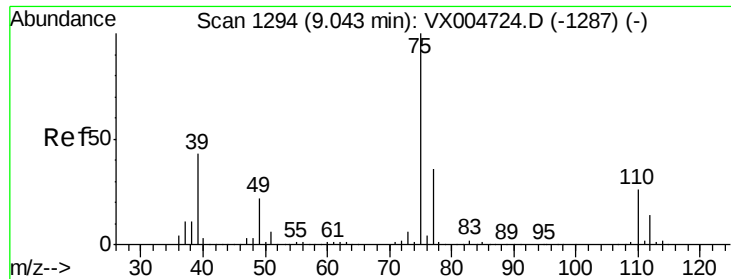
91 175.0 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





#53

t-1,3-Dichloropropene

Concen: 19.221 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX004838.D

Acq: 28 Sep 2018 23:39

Instrument :

MSVOA_X

ClientSampleId :

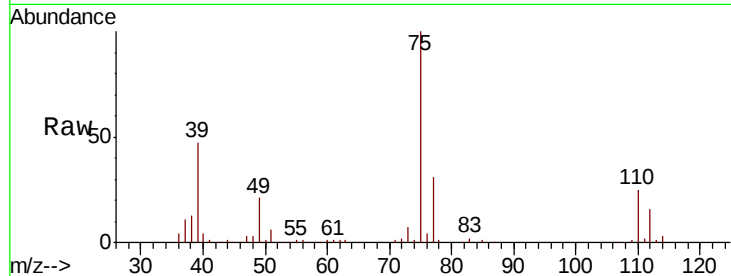
VX0928WBS02

Tot Ion: 75 Resp: 78139

Ion Ratio Lower Upper

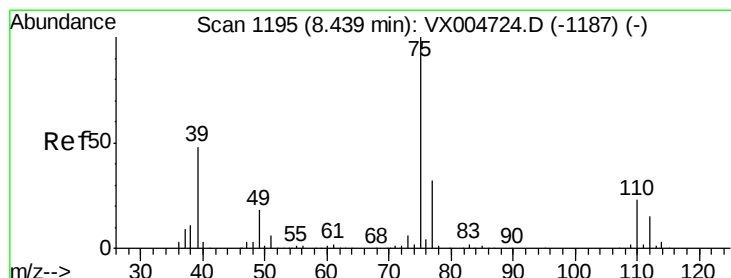
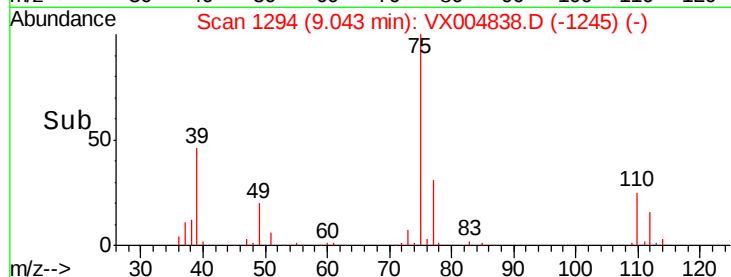
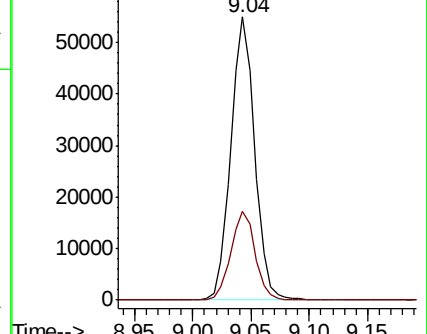
75 100

77 31.4 24.6 37.0



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#54

cis-1,3-Dichloropropene

Concen: 20.818 ug/l

RT: 8.44 min Scan# 1195

Delta R.T. -0.00 min

Lab File: VX004838.D

Acq: 28 Sep 2018 23:39

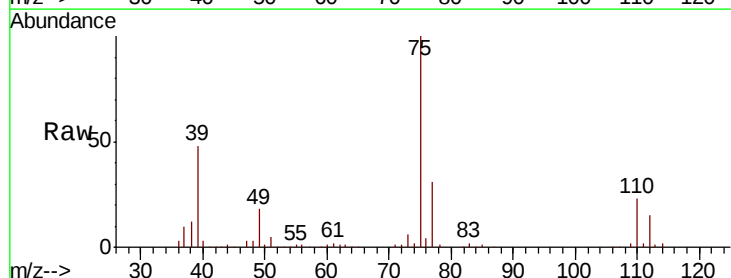
Tgt Ion: 75 Resp: 88646

Ion Ratio Lower Upper

75 100

77 31.2 26.2 39.2

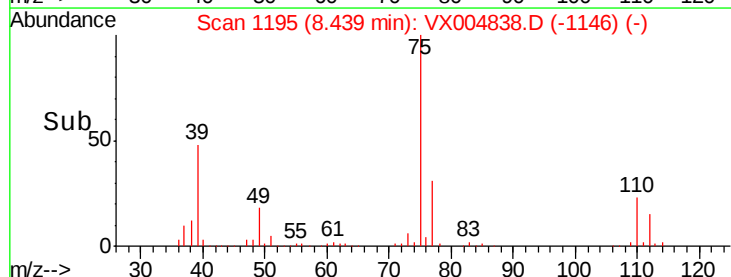
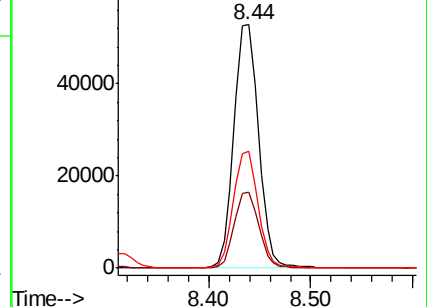
39 47.8 36.4 54.6

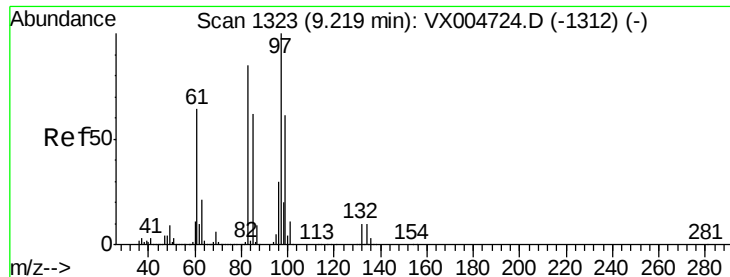


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

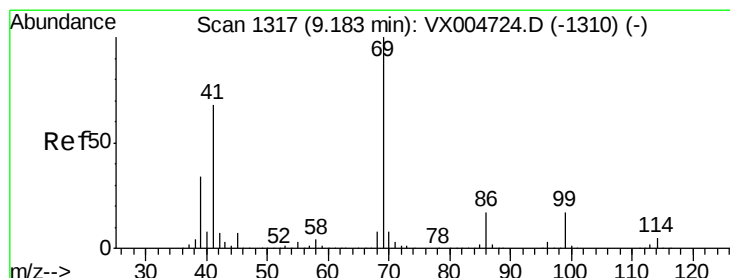
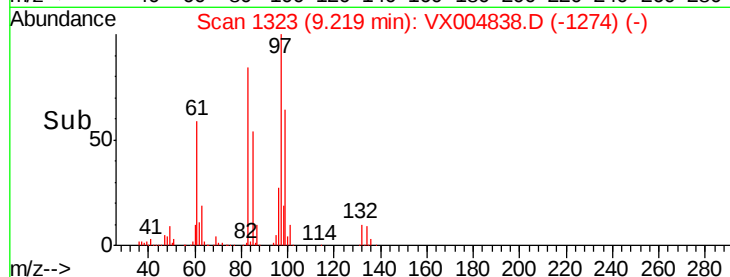
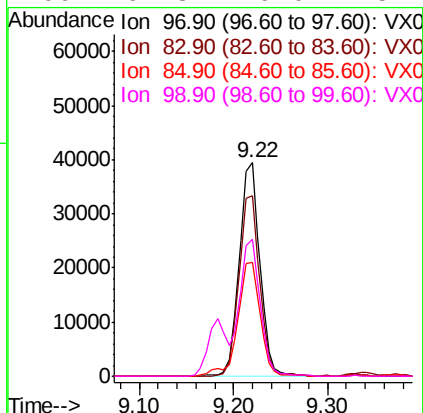
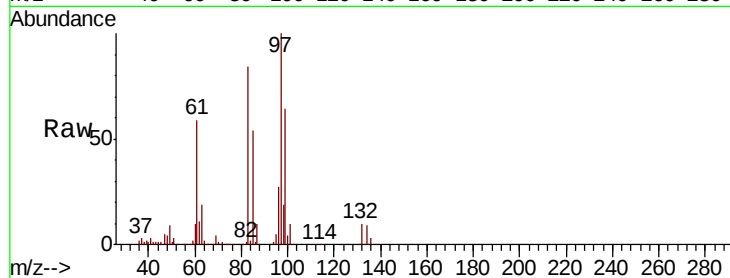




#55
 1,1,2-Trichloroethane
 Concen: 20.084 ug/l
 RT: 9.22 min Scan# 1323
 Delta R.T. -0.00 min
 Lab File: VX004838.D
 Acq: 28 Sep 2018 23:39

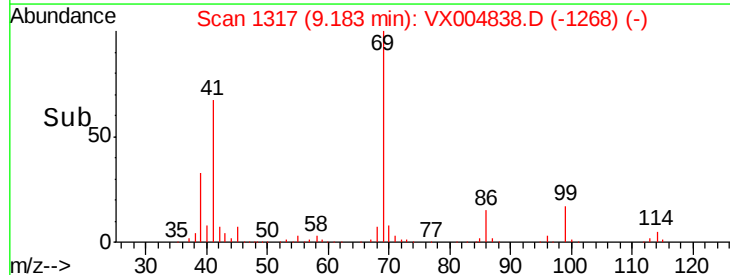
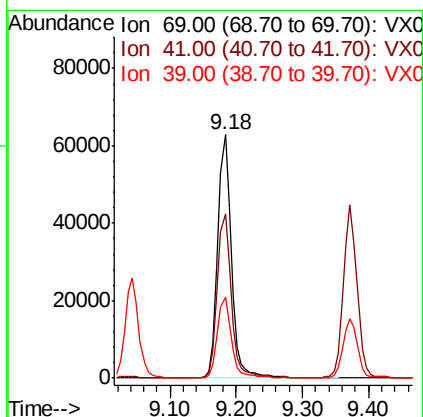
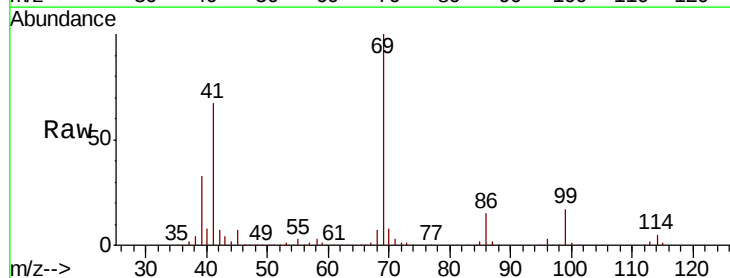
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0928WBS02

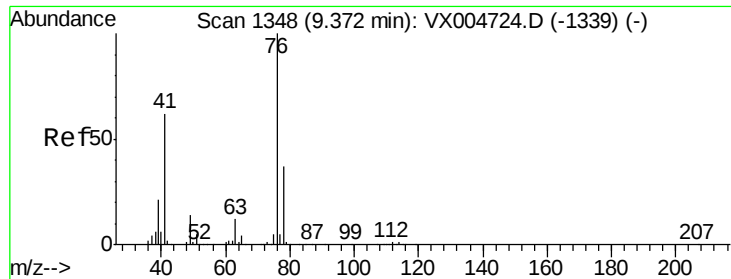
Tot Ion:	97	Resp:	60271
Ion	Ratio	Lower	Upper
97	100		
83	84.4	66.4	99.6
85	53.5	43.3	64.9
99	64.3	49.0	73.4



#56
 Ethyl methacrylate
 Concen: 20.103 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. 0.00 min
 Lab File: VX004838.D
 Acq: 28 Sep 2018 23:39

Tgt Ion:	69	Resp:	89054
Ion	Ratio	Lower	Upper
69	100		
41	68.2	51.0	76.4
39	34.1	26.1	39.1





#57

1,3-Dichloropropane

Concen: 20.151 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX004838.D

Acq: 28 Sep 2018 23:39

Instrument :

MSVOA_X

ClientSampleId :

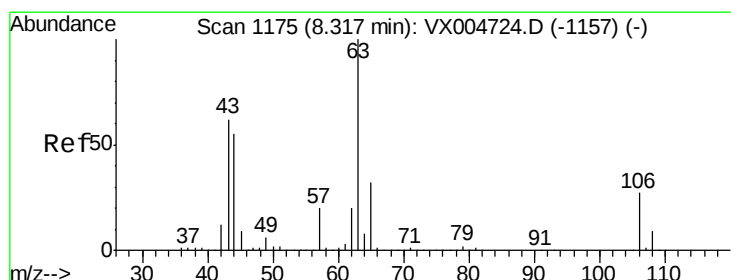
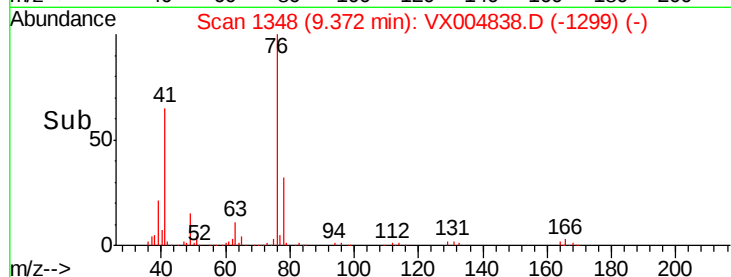
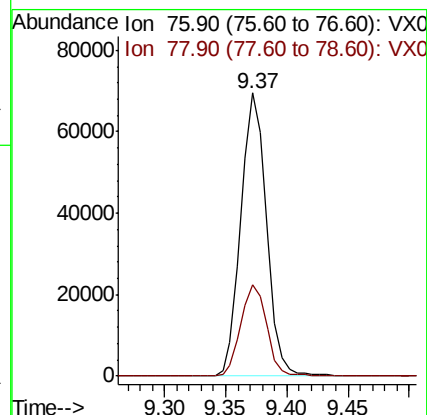
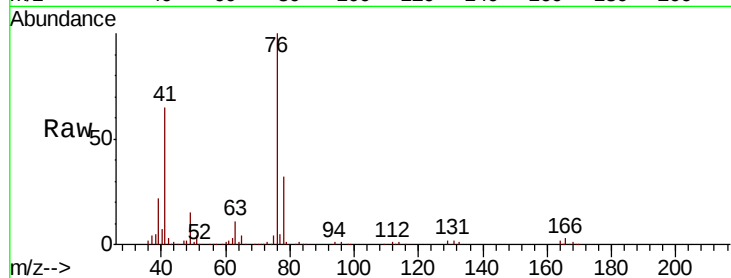
VX0928WBS02

Tot Ion: 76 Resp: 100644

Ion Ratio Lower Upper

76 100

78 32.8 25.5 38.3



#58

2-Chloroethyl Vinyl ether

Concen: 106.566 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.01 min

Lab File: VX004838.D

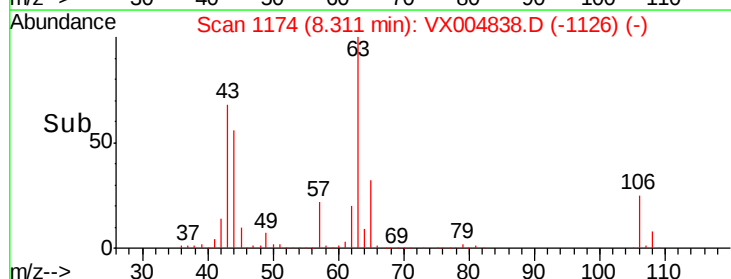
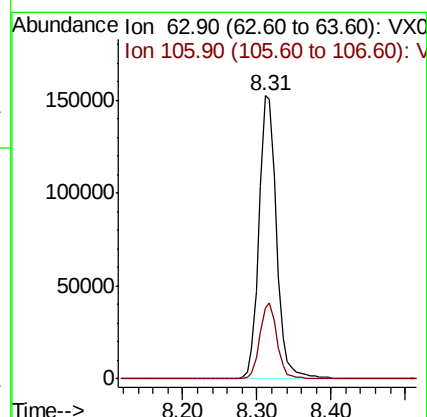
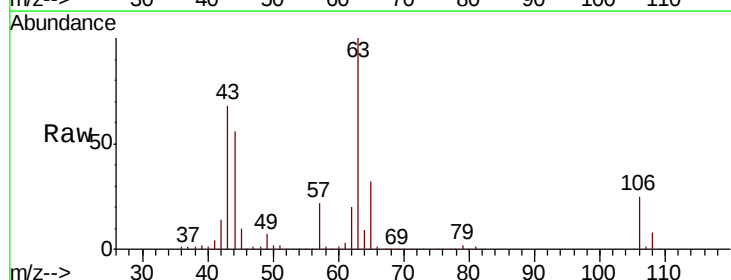
Acq: 28 Sep 2018 23:39

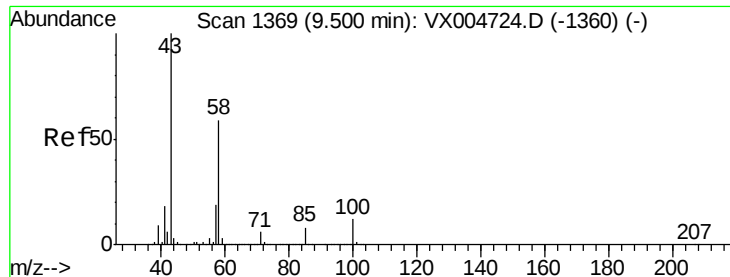
Tgt Ion: 63 Resp: 253141

Ion Ratio Lower Upper

63 100

106 26.3 23.9 35.9

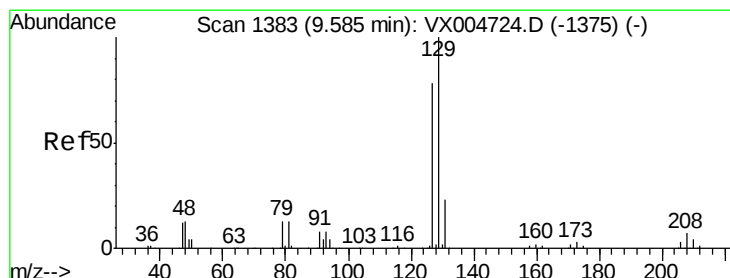
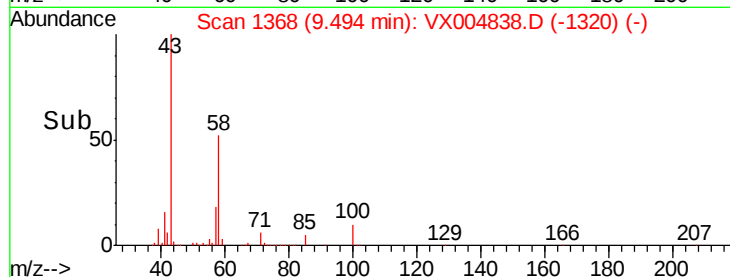
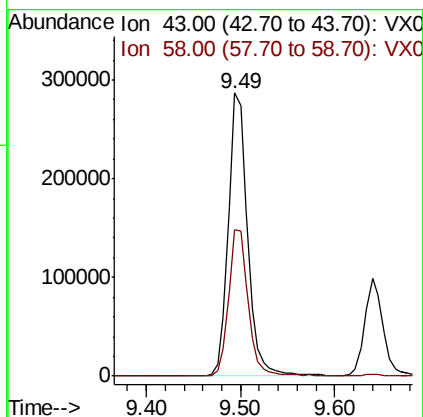
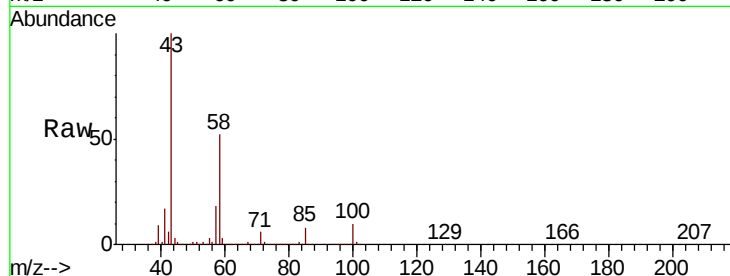




#59
2-Hexanone
Concen: 102.108 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VX004838.D
Acq: 28 Sep 2018 23:39

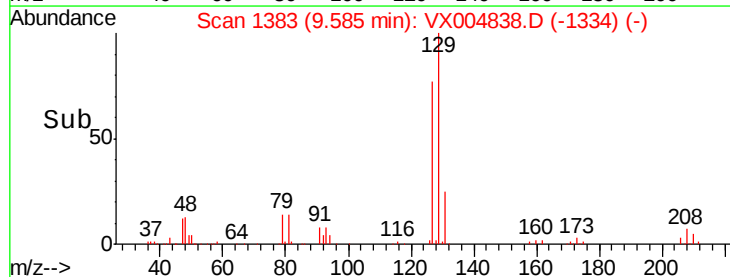
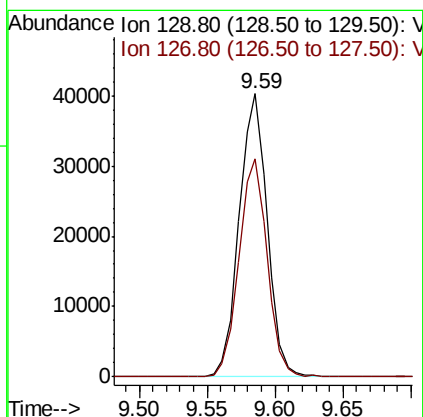
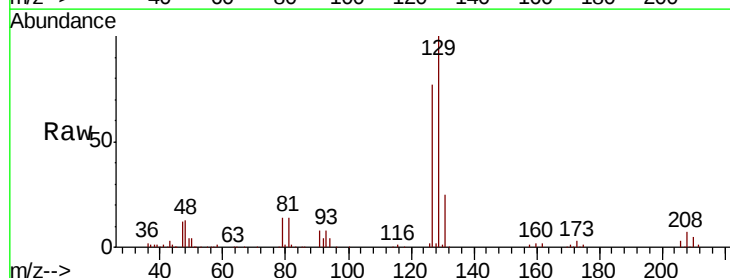
Instrument :
MSVOA_X
ClientSampleId :
VX0928WBS02

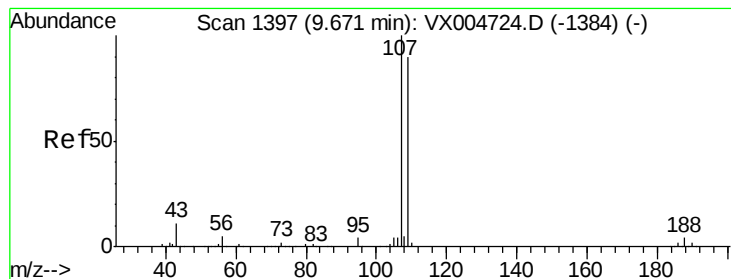
Tot Ion: 43 Resp: 408778
Ion Ratio Lower Upper
43 100
58 52.7 29.0 87.0



#60
Dibromochloromethane
Concen: 19.245 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX004838.D
Acq: 28 Sep 2018 23:39

Tgt Ion:129 Resp: 57755
Ion Ratio Lower Upper
129 100
127 77.7 38.5 115.5





#61

1,2-Dibromoethane

Concen: 19.059 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX004838.D

Acq: 28 Sep 2018 23:39

Instrument :

MSVOA_X

ClientSampleId :

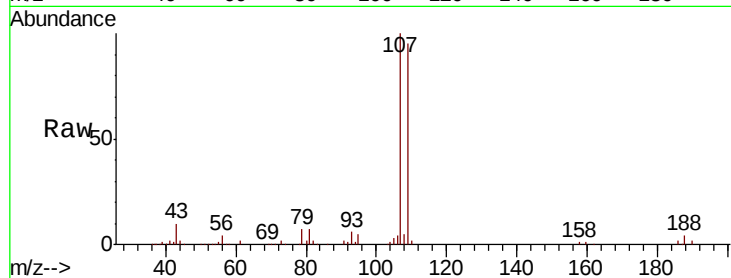
VX0928WBS02

Tot Ion:107 Resp: 61252

Ion Ratio Lower Upper

107 100

109 94.2 76.0 114.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

40000

30000

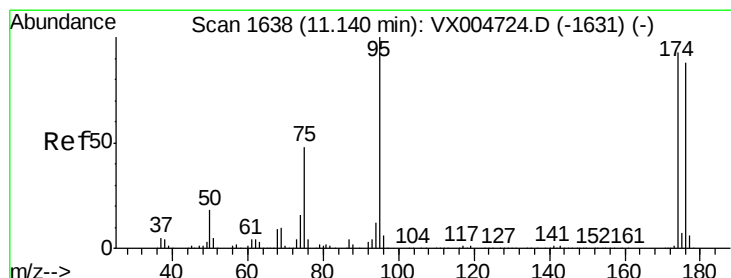
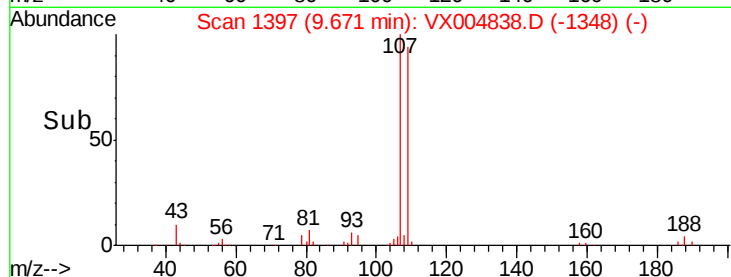
20000

10000

0

9.55 9.60 9.65 9.70 9.75

Time-->



#62

4-Bromofluorobenzene

Concen: 52.502 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX004838.D

Acq: 28 Sep 2018 23:39

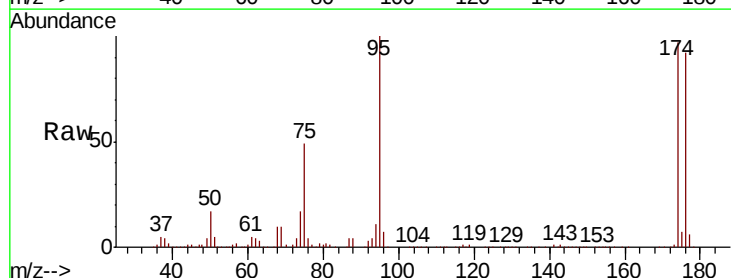
Tgt Ion: 95 Resp: 183539

Ion Ratio Lower Upper

95 100

174 90.7 0.0 185.2

176 88.6 0.0 178.6



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.14

150000

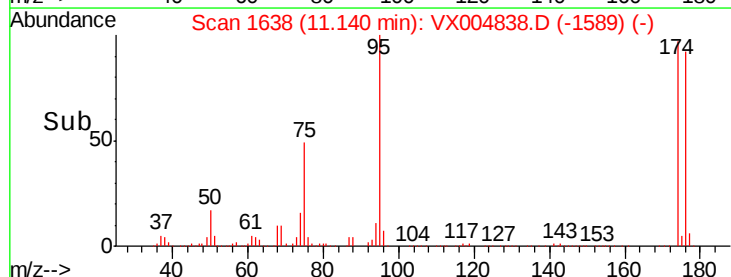
100000

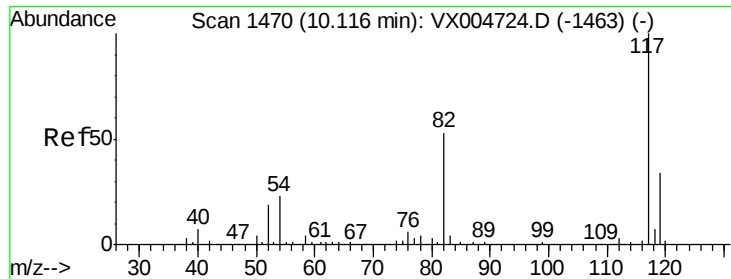
50000

0

11.10 11.20

Time-->

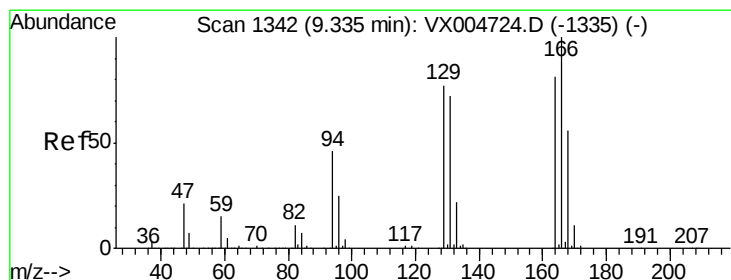
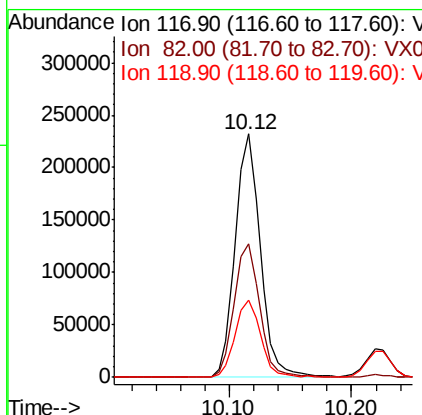
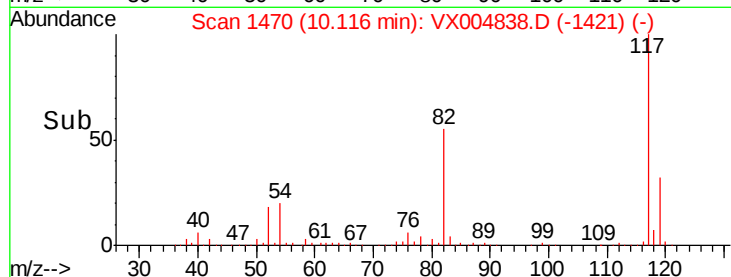
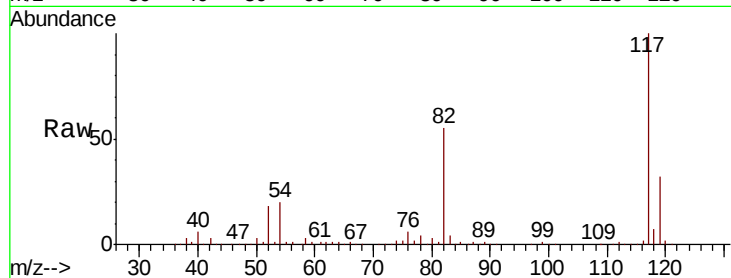




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX004838.D
Acq: 28 Sep 2018 23:39

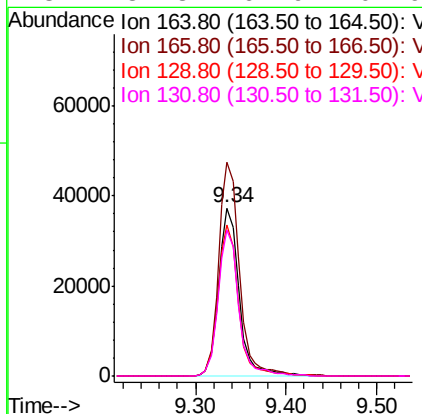
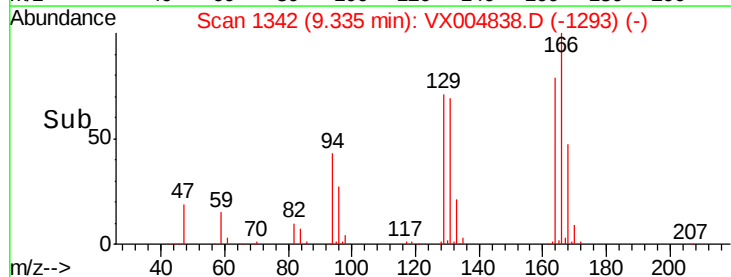
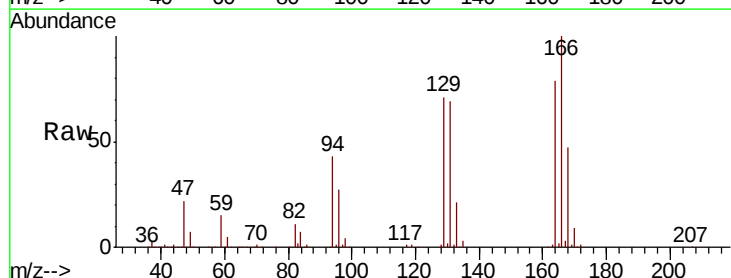
Instrument :
MSVOA_X
ClientSampleId :
VX0928WBS02

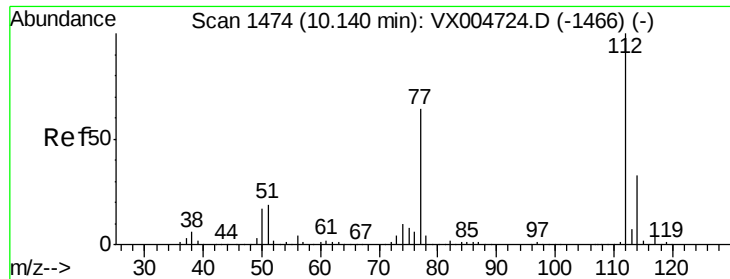
Tot Ion:117 Resp: 330077
Ion Ratio Lower Upper
117 100
82 54.7 47.8 71.6
119 31.7 29.3 43.9



#64
Tetrachloroethene
Concen: 18.233 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX004838.D
Acq: 28 Sep 2018 23:39

Tgt Ion:164 Resp: 59233
Ion Ratio Lower Upper
164 100
166 127.3 102.8 154.2
129 89.8 69.4 104.0
131 87.3 67.9 101.9

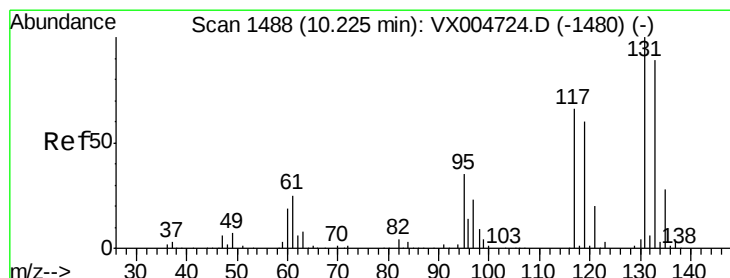
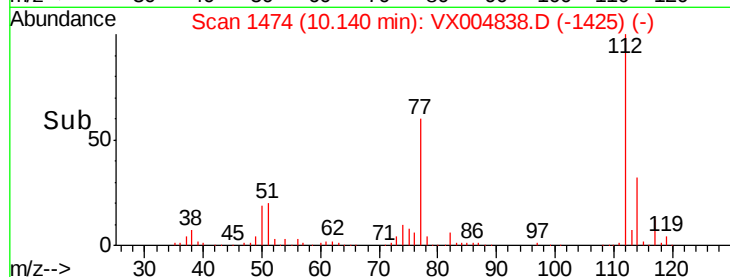
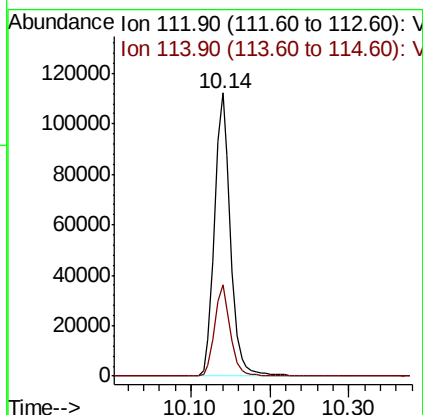
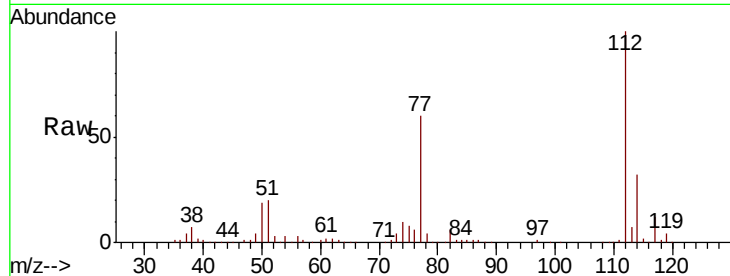




#65
Chlorobenzene
Concen: 18.755 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX004838.D
Acq: 28 Sep 2018 23:39

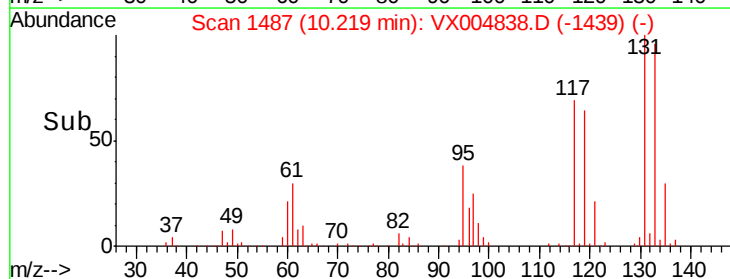
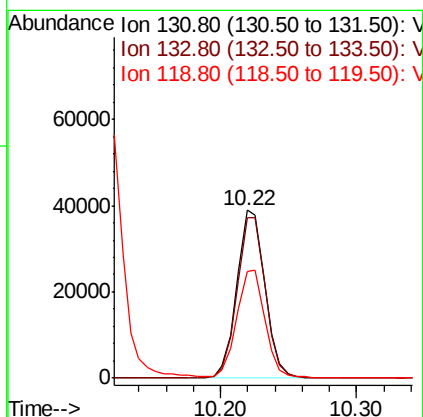
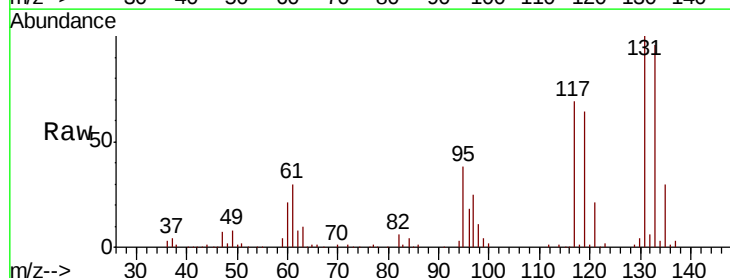
Instrument :
MSVOA_X
ClientSampleId :
VX0928WBS02

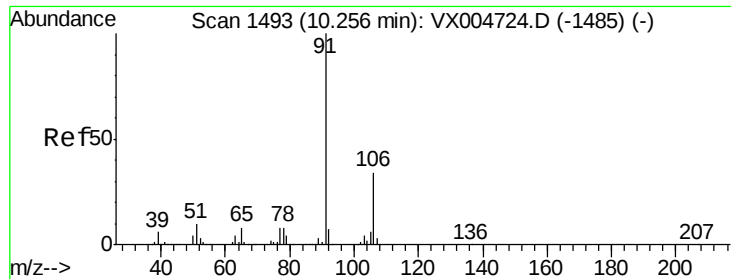
Tot Ion:112 Resp: 158743
Ion Ratio Lower Upper
112 100
114 32.3 27.8 41.8



#66
1,1,1,2-Tetrachloroethane
Concen: 18.785 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.01 min
Lab File: VX004838.D
Acq: 28 Sep 2018 23:39

Tgt Ion:131 Resp: 55897
Ion Ratio Lower Upper
131 100
133 96.5 48.1 144.4
119 65.2 32.9 98.6

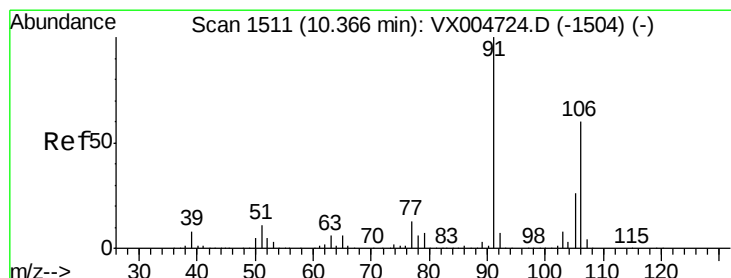
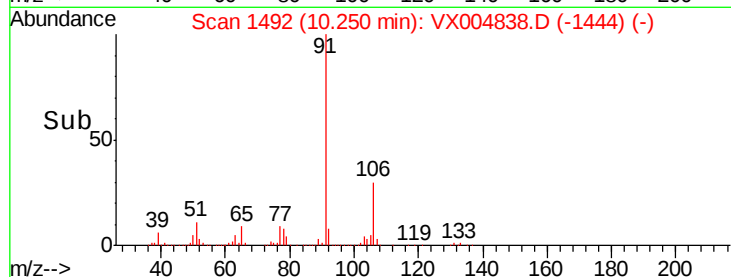
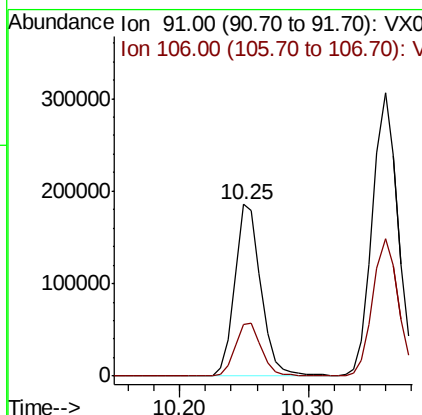
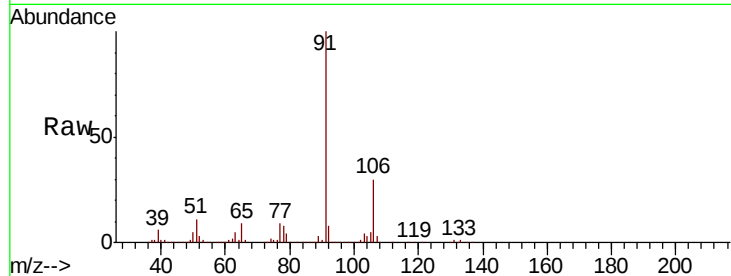




#67
Ethyl Benzene
Concen: 19.702 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VX004838.D
Acq: 28 Sep 2018 23:39

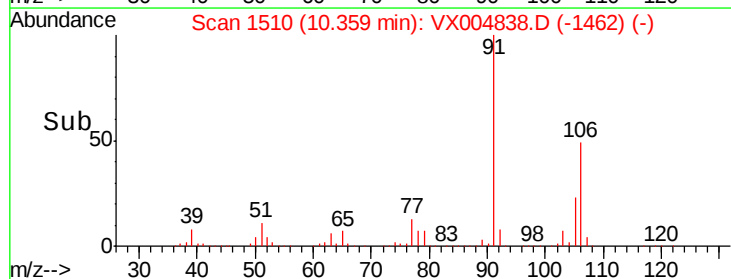
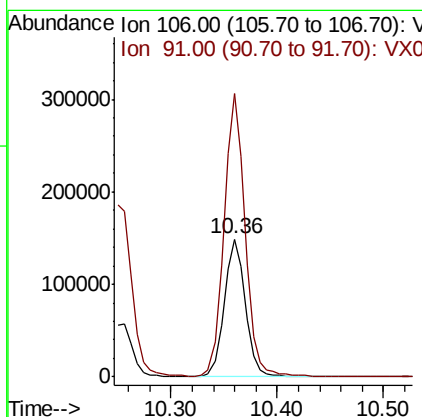
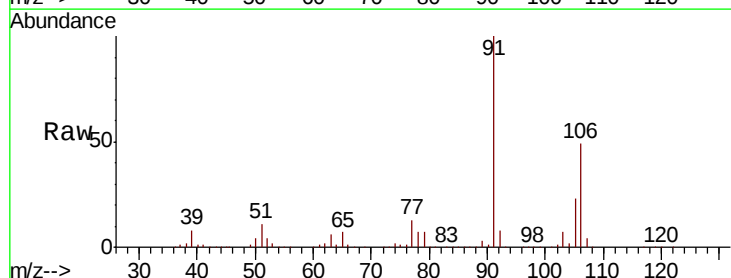
Instrument :
MSVOA_X
ClientSampleId :
VX0928WBS02

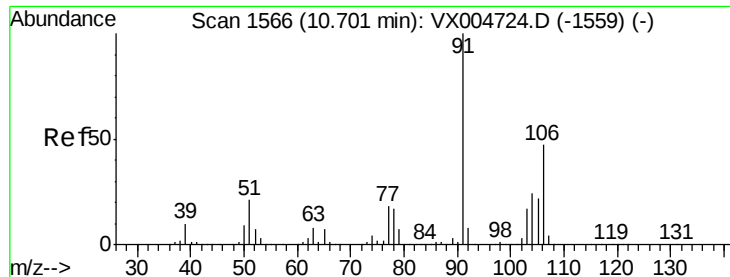
Tot Ion: 91 Resp: 264755
Ion Ratio Lower Upper
91 100
106 30.0 25.9 38.9



#68
m/p-Xylenes
Concen: 39.214 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.01 min
Lab File: VX004838.D
Acq: 28 Sep 2018 23:39

Tgt Ion: 106 Resp: 205915
Ion Ratio Lower Upper
106 100
91 206.4 157.1 235.7

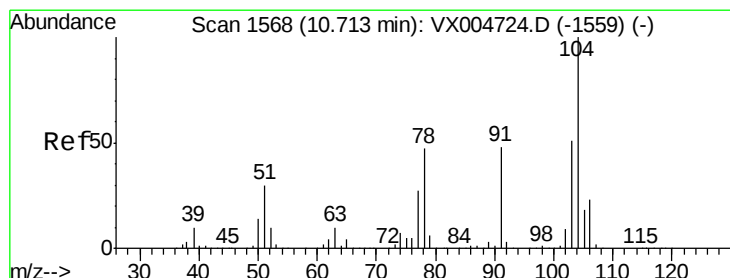
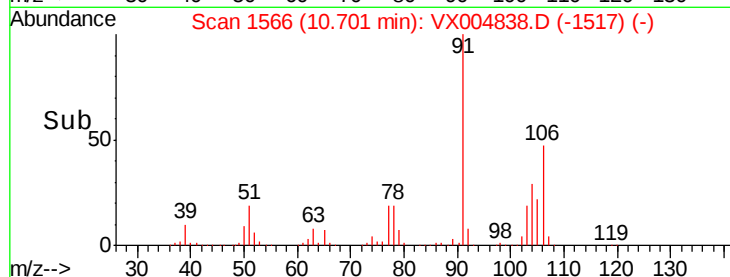
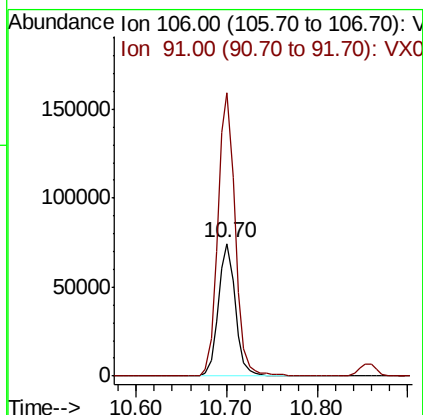
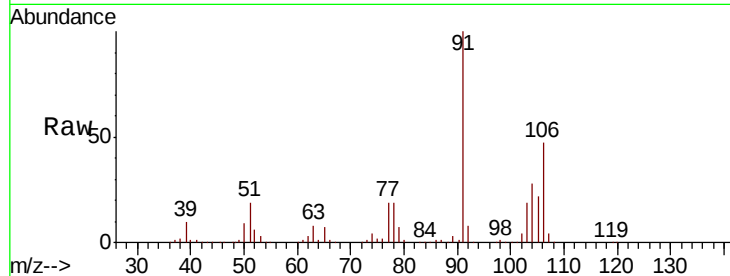




#69
o-Xylene
Concen: 20.446 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX004838.D
Acq: 28 Sep 2018 23:39

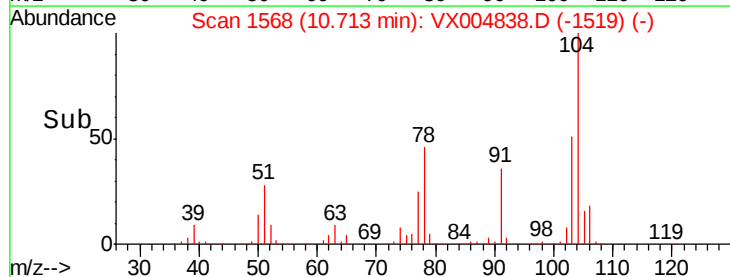
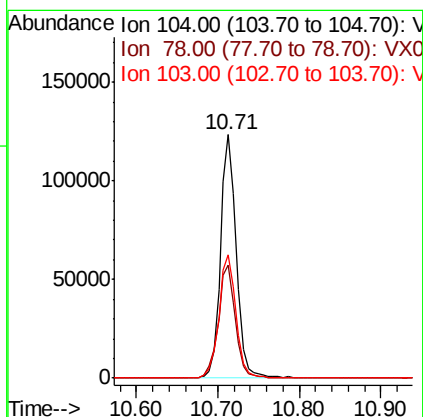
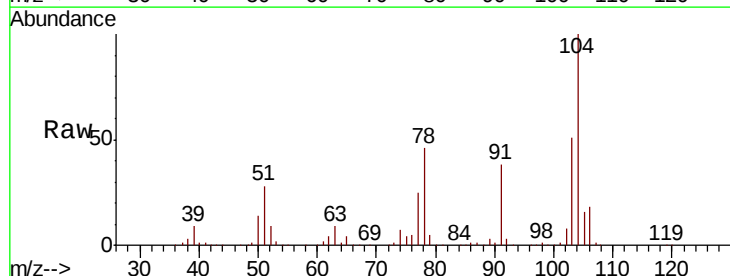
Instrument :
MSVOA_X
ClientSampled :
VX0928WBS02

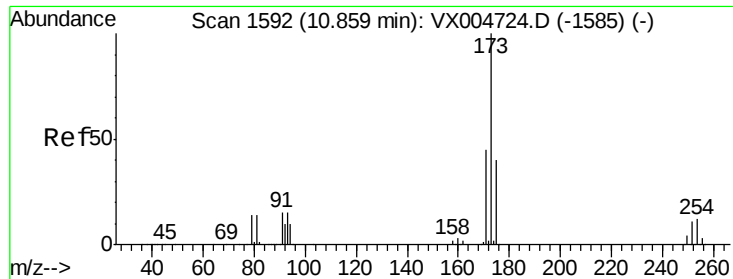
Tot Ion:106 Resp: 98614
Ion Ratio Lower Upper
106 100
91 216.7 105.1 315.1



#70
Styrene
Concen: 19.807 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX004838.D
Acq: 28 Sep 2018 23:39

Tgt Ion:104 Resp: 166494
Ion Ratio Lower Upper
104 100
78 51.1 37.4 56.0
103 55.6 43.8 65.6





#71

Bromoform

Concen: 18.172 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. -0.00 min

Lab File: VX004838.D

Acq: 28 Sep 2018 23:39

Instrument :

MSVOA_X

ClientSampleId :

VX0928WBS02

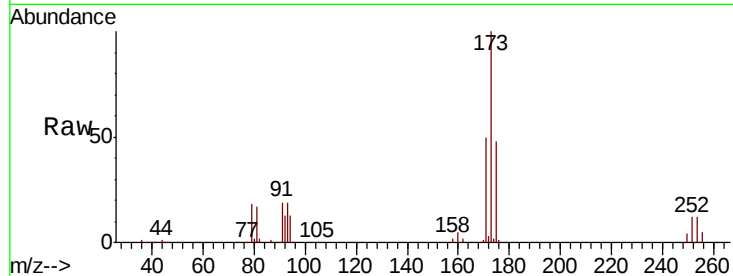
Tot Ion:173 Resp: 46293

Ion Ratio Lower Upper

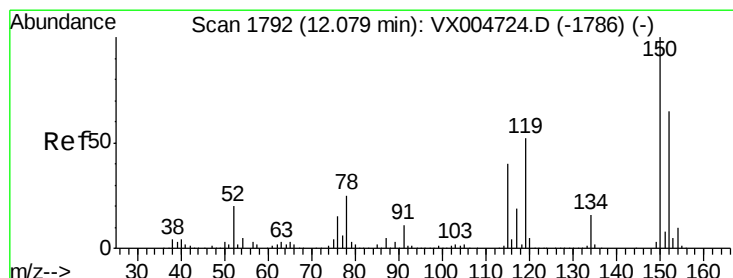
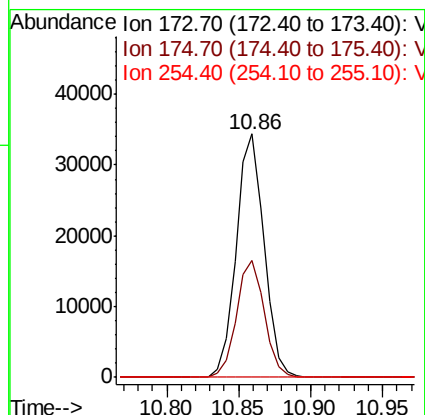
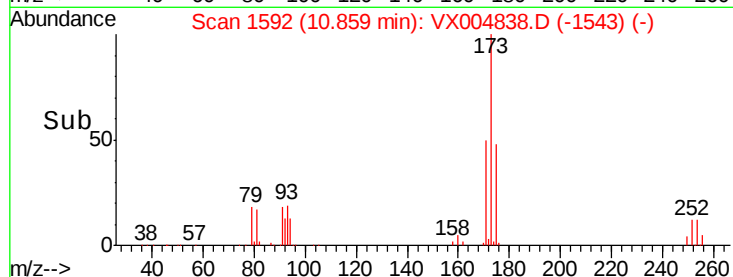
173 100

175 48.0 24.1 72.3

254 0.2 0.2 0.2



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: VX004838.D

Acq: 28 Sep 2018 23:39

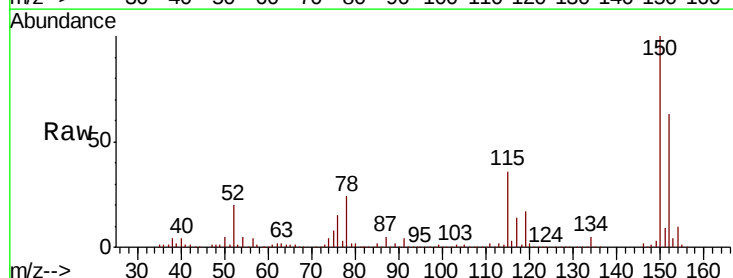
Tgt Ion:152 Resp: 198513

Ion Ratio Lower Upper

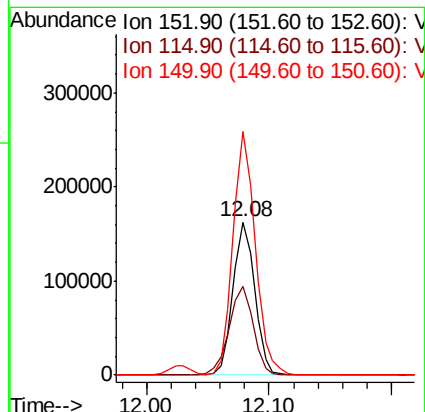
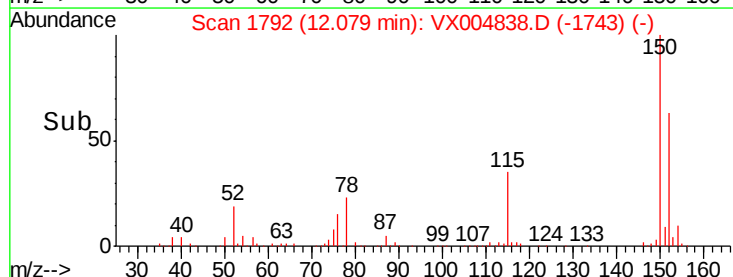
152 100

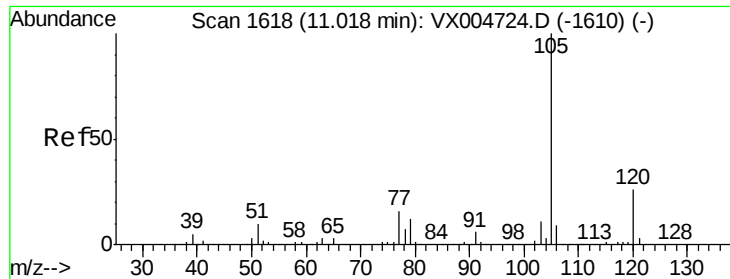
115 64.9 39.0 117.0

150 163.6 0.0 351.0



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





#73

Isopropylbenzene

Concen: 21.543 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX004838.D

Acq: 28 Sep 2018 23:39

Instrument :

MSVOA_X

ClientSampleId :

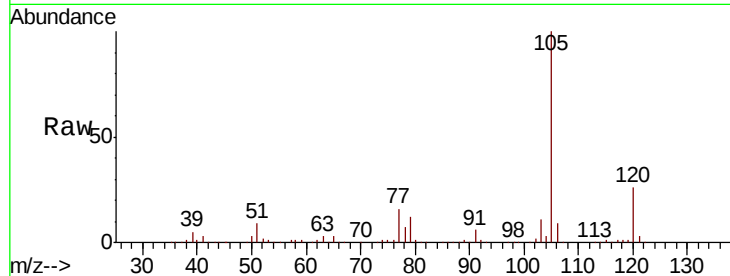
VX0928WBS02

Tot Ion: 105 Resp: 269552

Ion Ratio Lower Upper

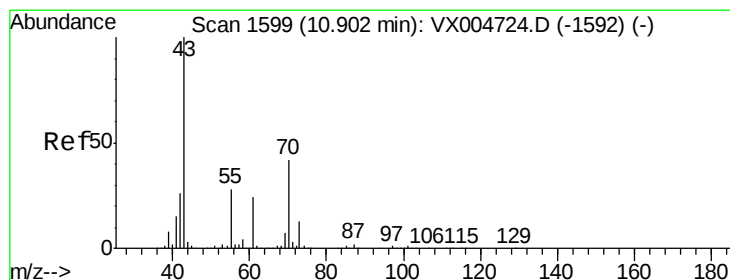
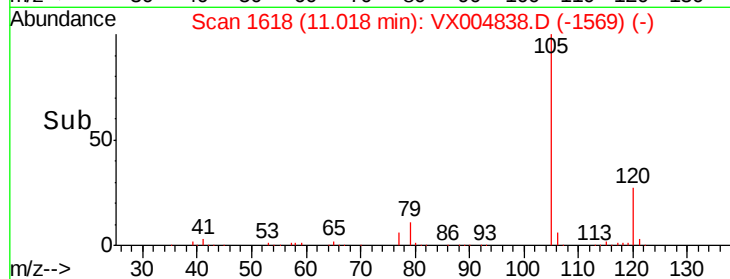
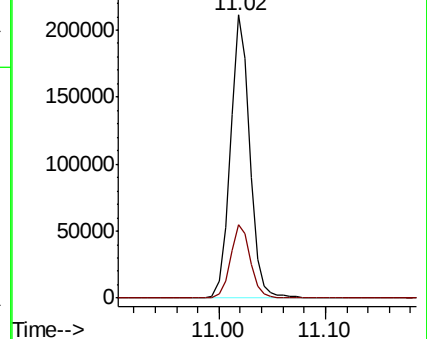
105 100

120 26.5 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.507 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.01 min

Lab File: VX004838.D

Acq: 28 Sep 2018 23:39

Tgt Ion: 43 Resp: 126559

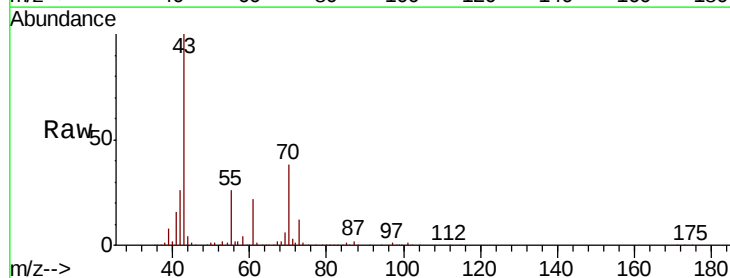
Ion Ratio Lower Upper

43 100

70 40.2 37.4 56.0

55 25.8 21.8 32.8

61 22.9 20.6 30.8

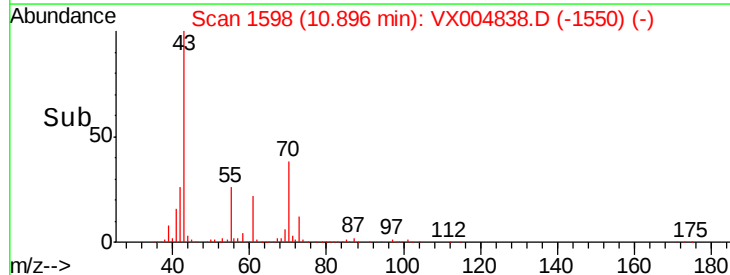
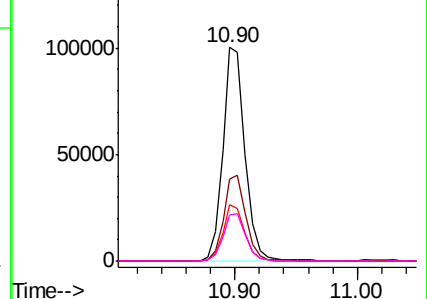


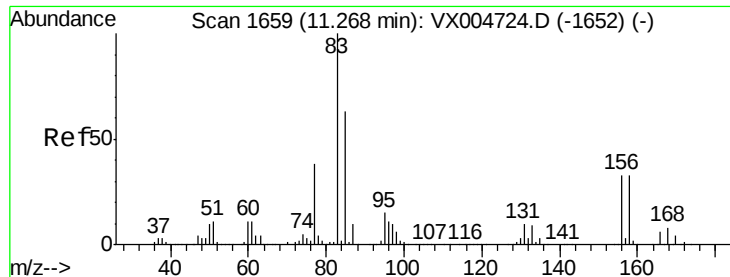
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 19.103 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX004838.D

Acq: 28 Sep 2018 23:39

Instrument :

MSVOA_X

ClientSampleId :

VX0928WBS02

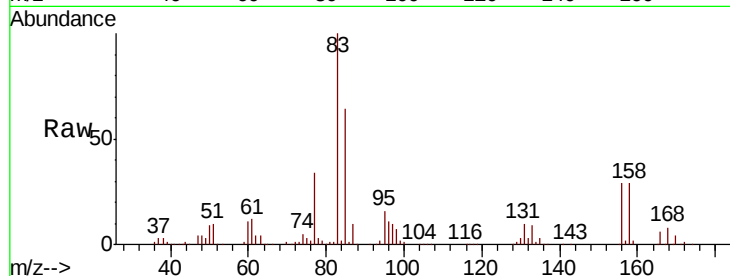
Tot Ion: 83 Resp: 97301

Ion Ratio Lower Upper

83 100

131 9.9 5.2 15.6

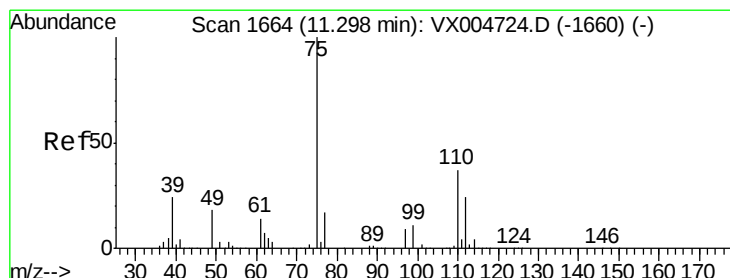
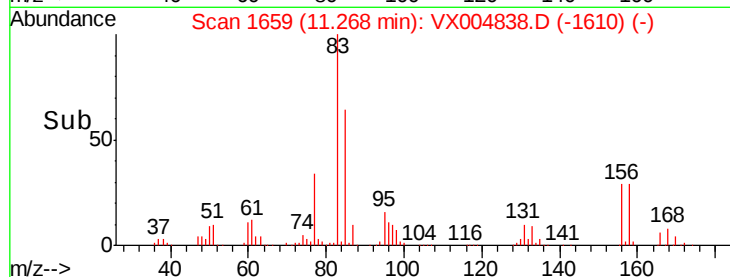
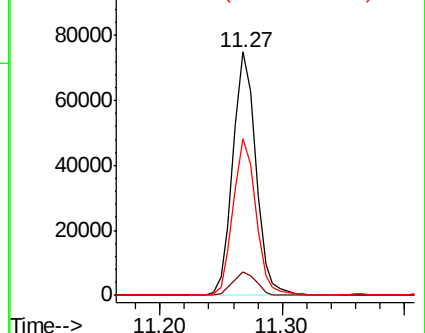
85 63.9 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 23.714 ug/l

RT: 11.30 min Scan# 1664

Delta R.T. -0.00 min

Lab File: VX004838.D

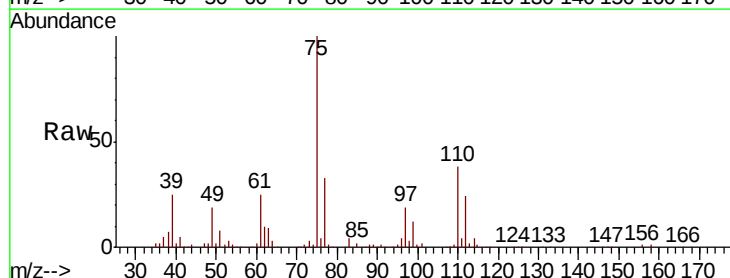
Acq: 28 Sep 2018 23:39

Tgt Ion: 75 Resp: 105514

Ion Ratio Lower Upper

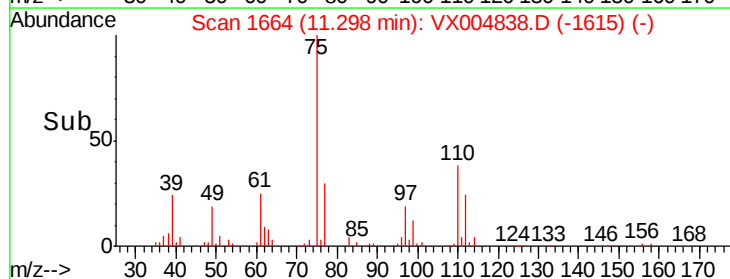
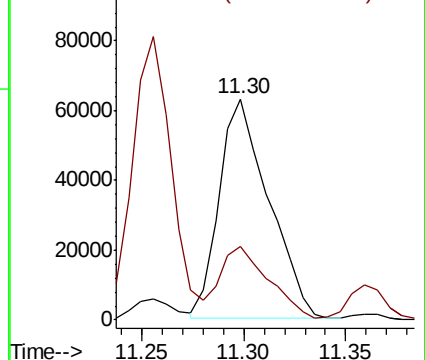
75 100

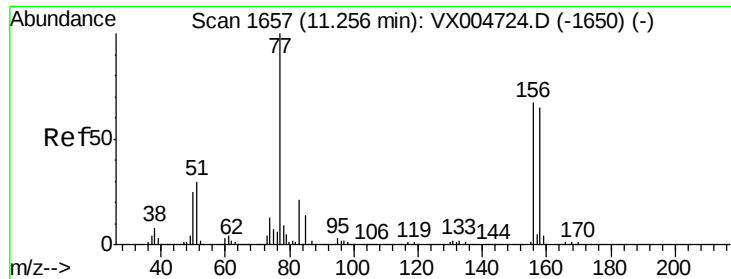
77 32.9 20.2 60.6



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 19.944 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX004838.D

Acq: 28 Sep 2018 23:39

Instrument :

MSVOA_X

ClientSampleId :

VX0928WBS02

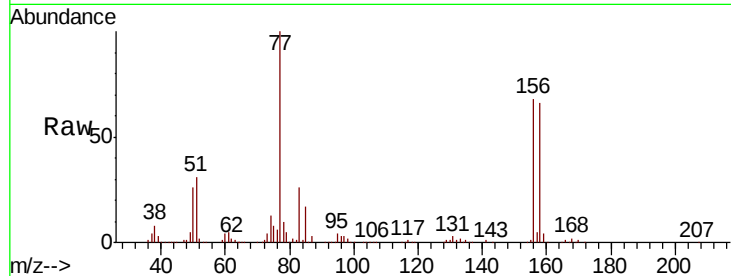
Tot Ion:156 Resp: 72485

Ion Ratio Lower Upper

156 100

77 149.1 71.5 214.3

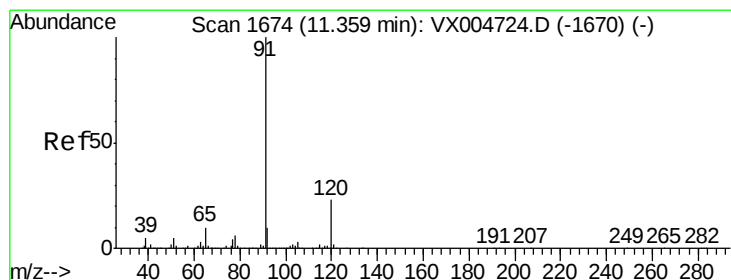
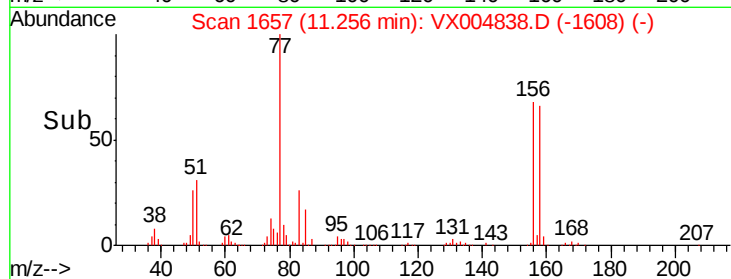
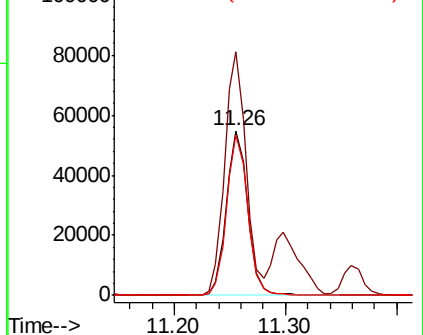
158 96.8 48.9 146.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.740 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX004838.D

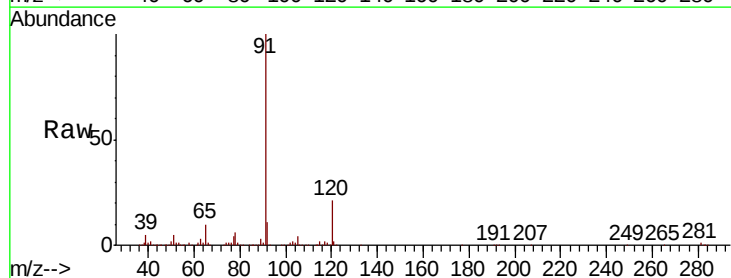
Acq: 28 Sep 2018 23:39

Tgt Ion: 91 Resp: 312111

Ion Ratio Lower Upper

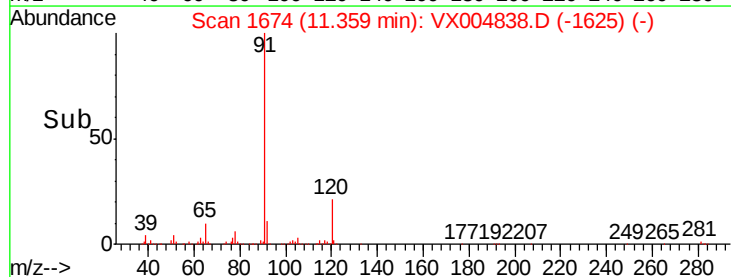
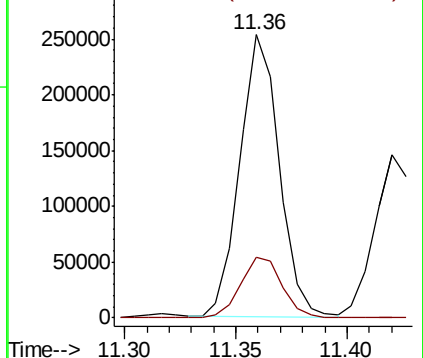
91 100

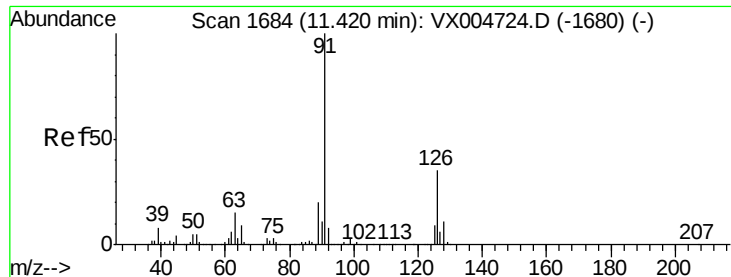
120 22.9 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.819 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX004838.D

Acq: 28 Sep 2018 23:39

Instrument :

MSVOA_X

ClientSampleId :

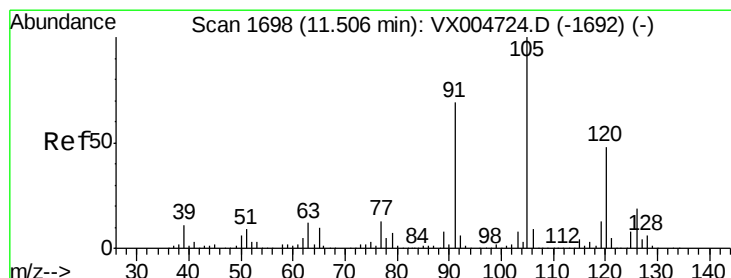
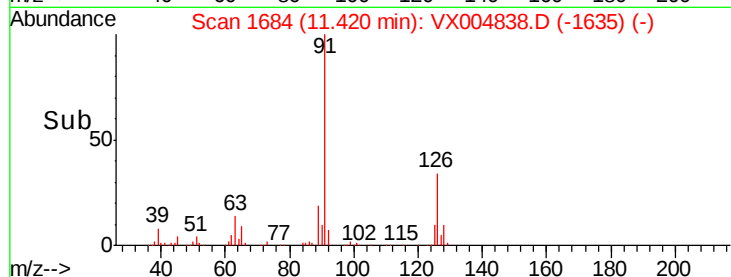
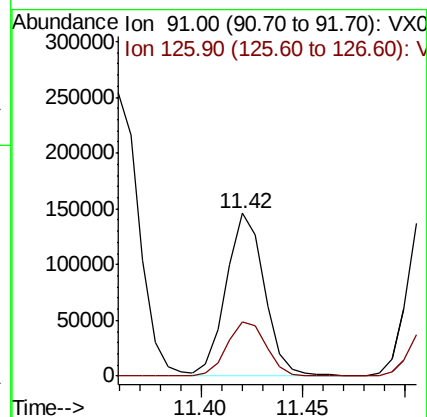
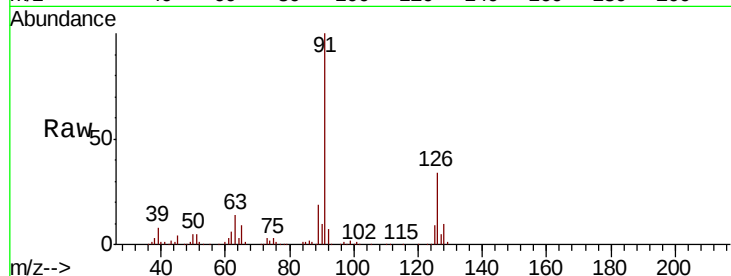
VX0928WBS02

Tot Ion: 91 Resp: 186304

Ion Ratio Lower Upper

91 100

126 35.1 17.9 53.7



#80

1,3,5-Trimethylbenzene

Concen: 19.763 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX004838.D

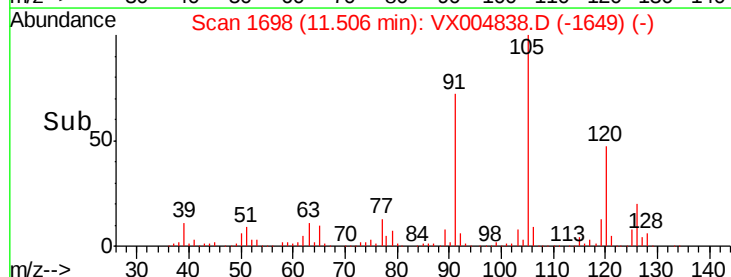
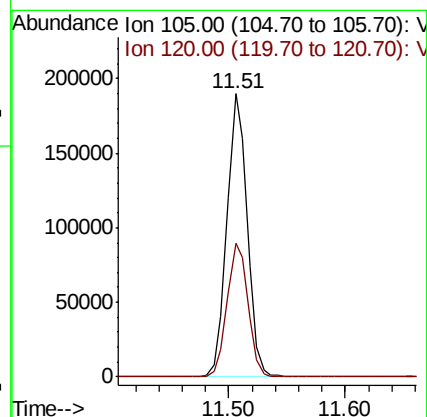
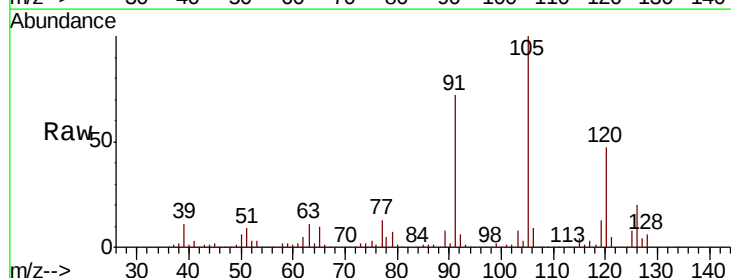
Acq: 28 Sep 2018 23:39

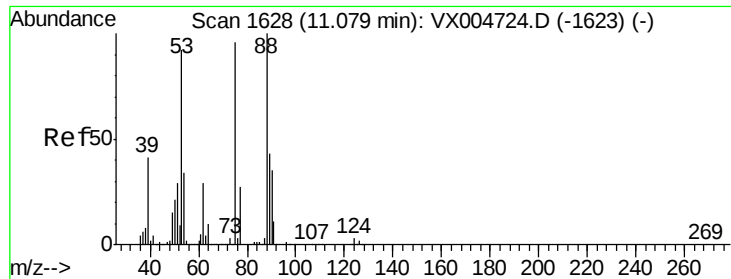
Tgt Ion:105 Resp: 228015

Ion Ratio Lower Upper

105 100

120 48.7 25.6 76.8





#81

trans-1,4-Dichloro-2-butene

Concen: 16.097 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.01 min

Lab File: VX004838.D

Acq: 28 Sep 2018 23:39

Instrument :

MSVOA_X

ClientSampled :

VX0928WBS02

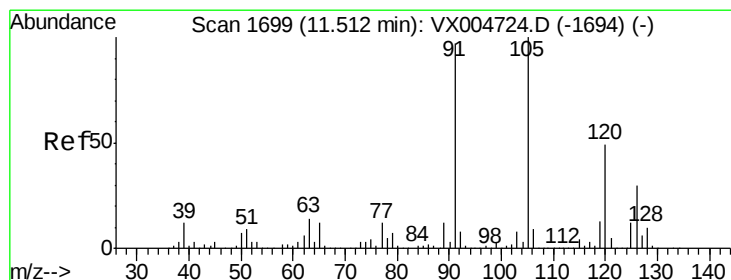
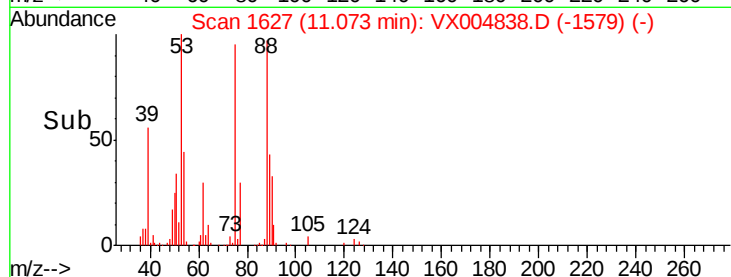
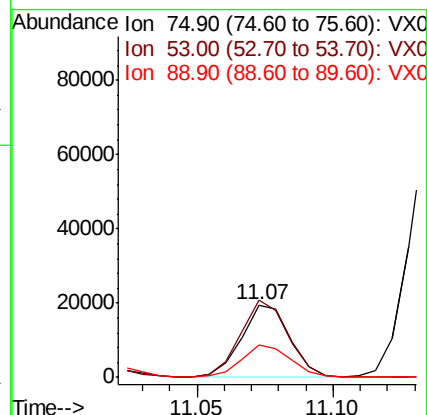
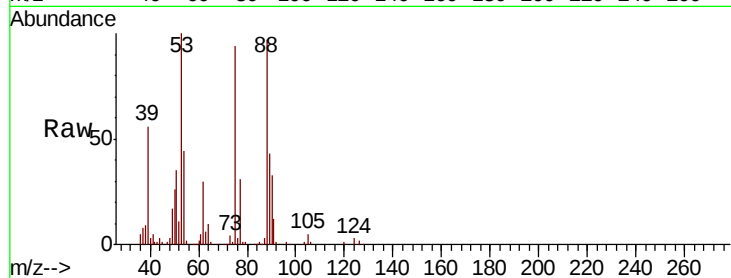
Tot Ion: 75 Resp: 23970

Ion Ratio Lower Upper

75 100

53 105.1 80.1 120.1

89 45.7 37.2 55.8



#82

4-Chlorotoluene

Concen: 20.778 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX004838.D

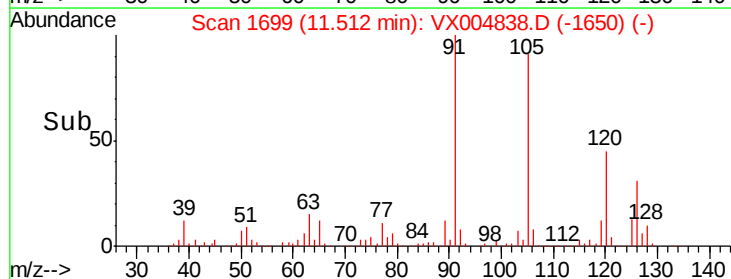
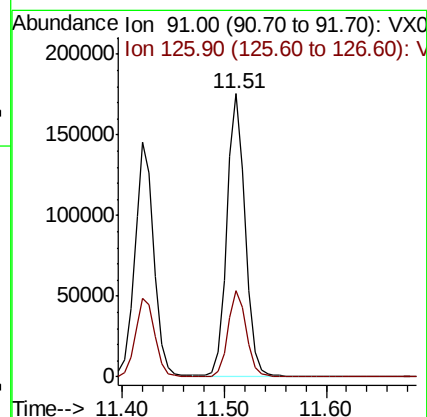
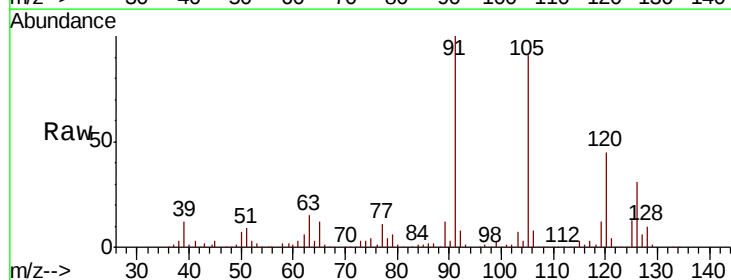
Acq: 28 Sep 2018 23:39

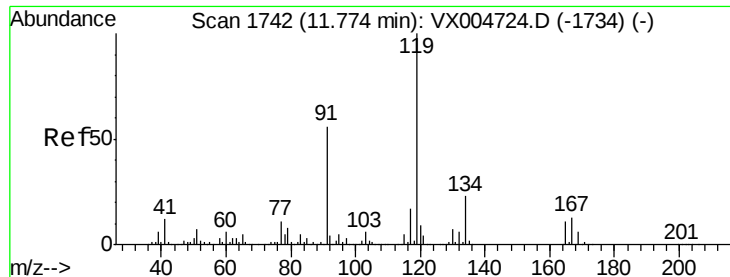
Tgt Ion: 91 Resp: 218861

Ion Ratio Lower Upper

91 100

126 30.5 15.5 46.5

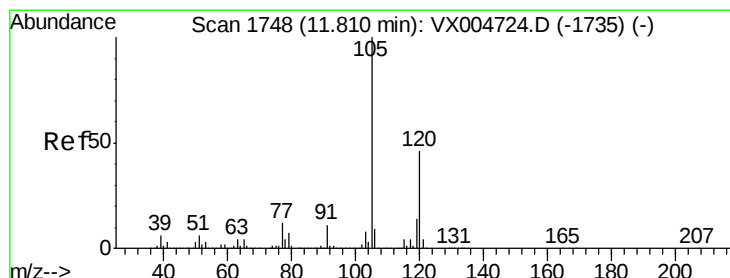
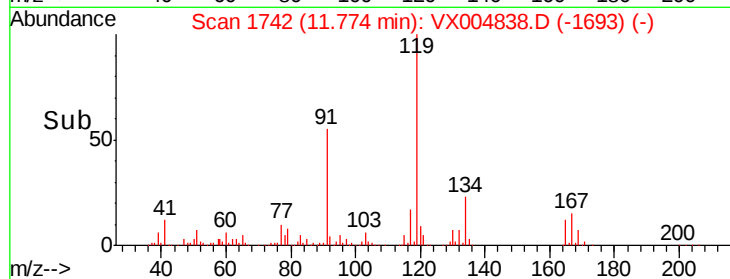
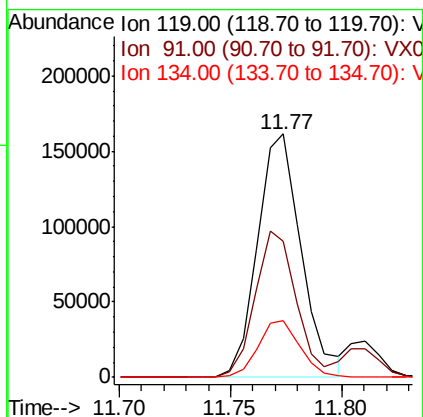
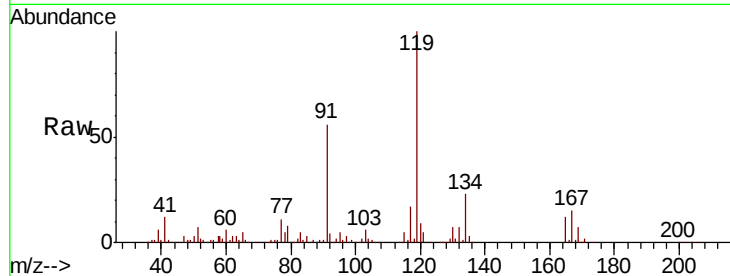




#83
 tert-Butylbenzene
 Concen: 21.429 ug/l
 RT: 11.77 min Scan# 1742
 Delta R.T. -0.00 min
 Lab File: VX004838.D
 Acq: 28 Sep 2018 23:39

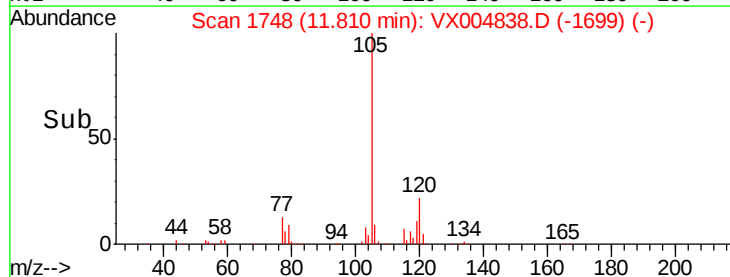
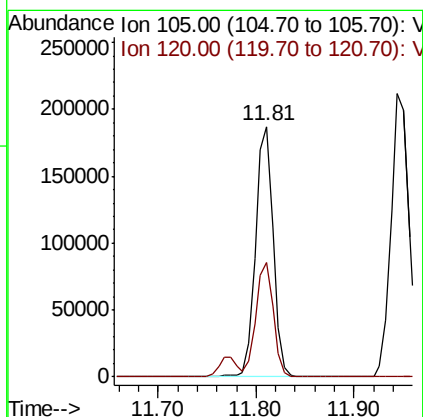
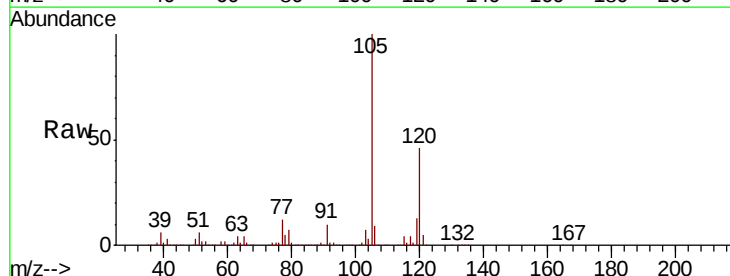
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0928WBS02

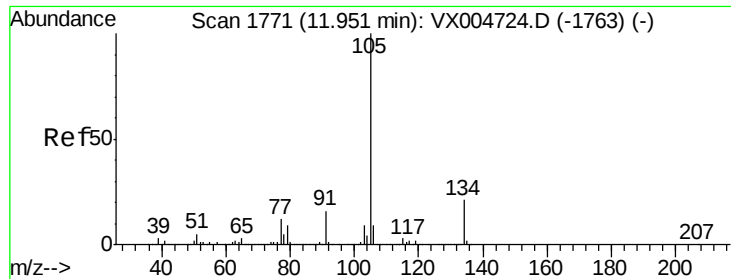
Tot Ion:119 Resp: 220760
 Ion Ratio Lower Upper
 119 100
 91 56.3 27.0 81.0
 134 22.6 11.7 35.1



#84
 1,2,4-Trimethylbenzene
 Concen: 19.659 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. 0.00 min
 Lab File: VX004838.D
 Acq: 28 Sep 2018 23:39

Tgt Ion:105 Resp: 233929
 Ion Ratio Lower Upper
 105 100
 120 45.2 23.2 69.6

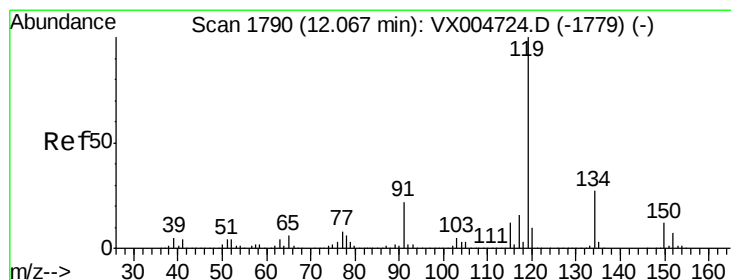
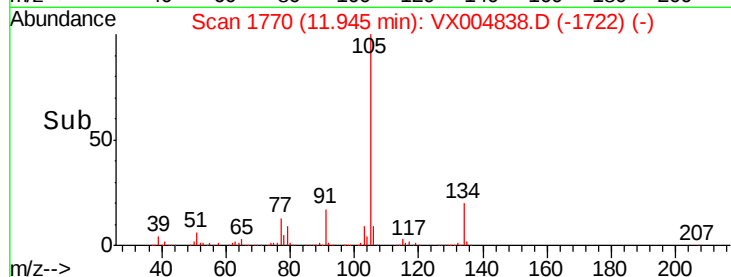
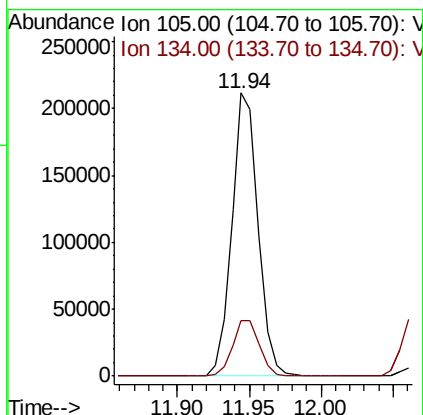
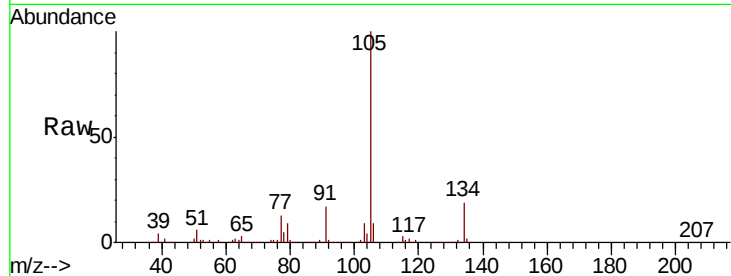




#85
 sec-Butylbenzene
 Concen: 21.491 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.01 min
 Lab File: VX004838.D
 Acq: 28 Sep 2018 23:39

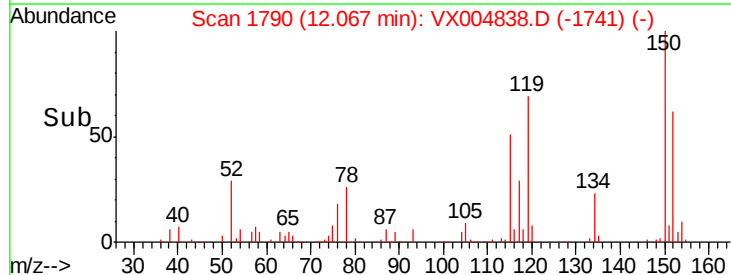
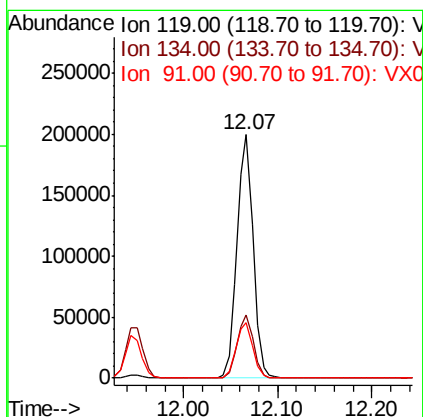
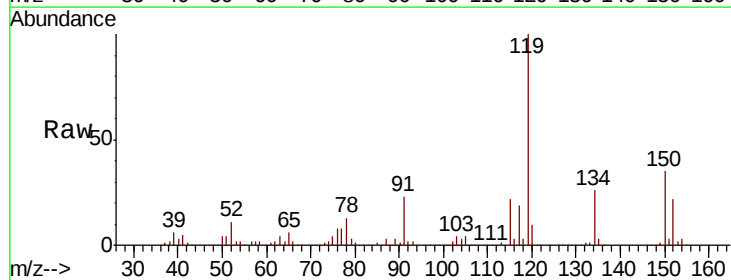
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0928WBS02

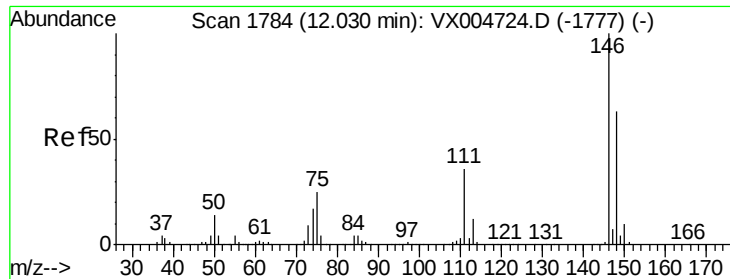
Tot Ion:105 Resp: 269669
 Ion Ratio Lower Upper
 105 100
 134 20.3 10.5 31.5



#86
 p-Isopropyltoluene
 Concen: 20.913 ug/l
 RT: 12.07 min Scan# 1790
 Delta R.T. -0.00 min
 Lab File: VX004838.D
 Acq: 28 Sep 2018 23:39

Tgt Ion:119 Resp: 237759
 Ion Ratio Lower Upper
 119 100
 134 26.2 13.4 40.2
 91 23.5 10.9 32.7





#87

1,3-Dichlorobenzene

Concen: 19.341 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. -0.01 min

Lab File: VX004838.D

Acq: 28 Sep 2018 23:39

Instrument :

MSVOA_X

ClientSampled :

VX0928WBS02

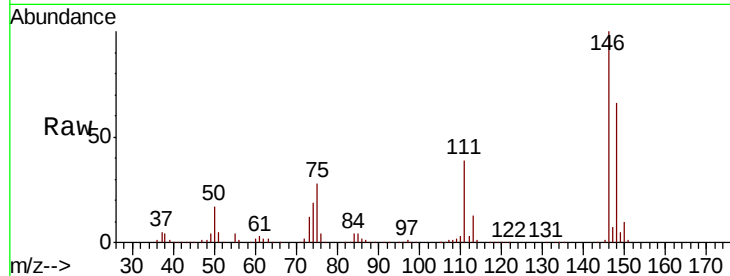
Tot Ion:146 Resp: 131254

Ion Ratio Lower Upper

146 100

111 38.3 18.7 56.1

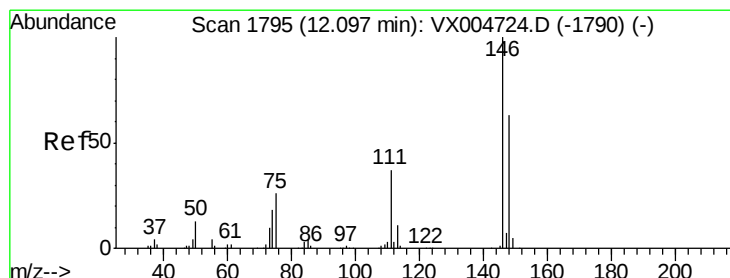
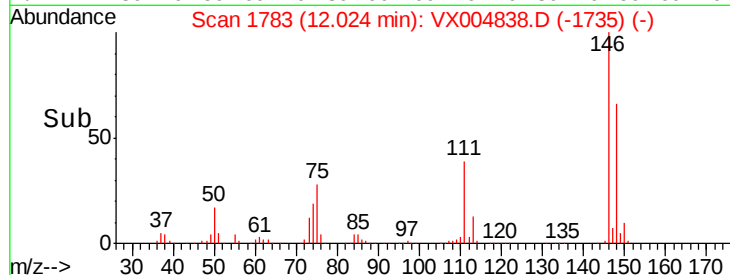
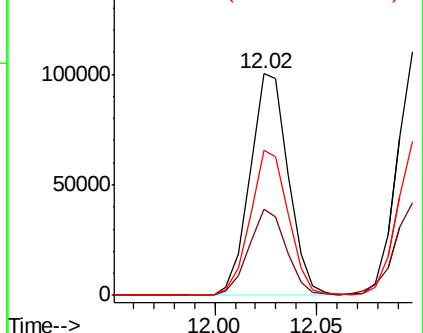
148 65.3 32.1 96.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 19.400 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VX004838.D

Acq: 28 Sep 2018 23:39

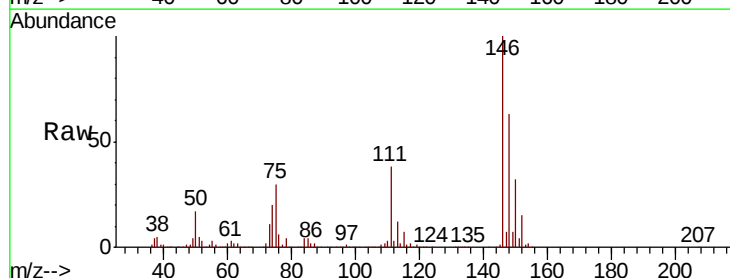
Tgt Ion:146 Resp: 135905

Ion Ratio Lower Upper

146 100

111 38.7 18.1 54.1

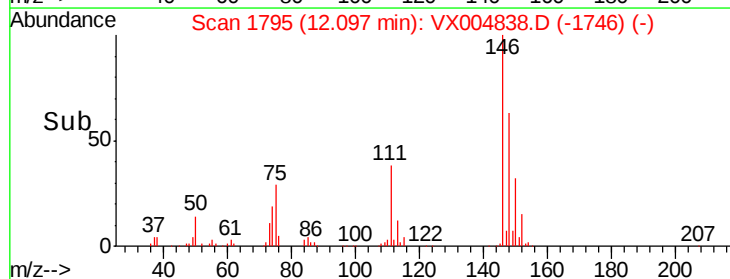
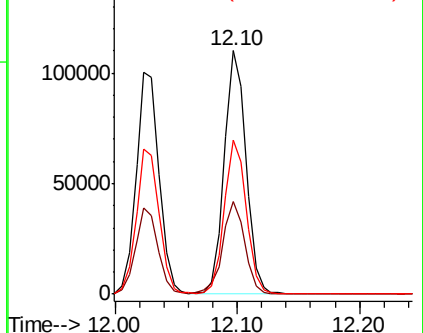
148 63.8 32.0 96.0

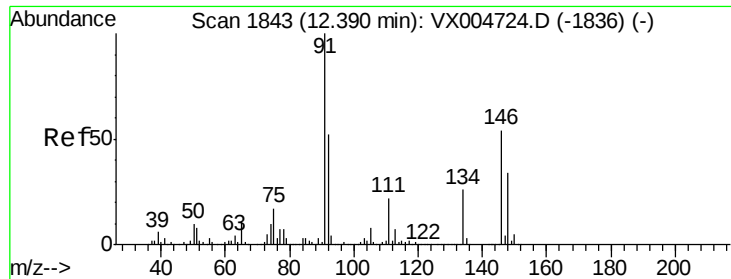


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

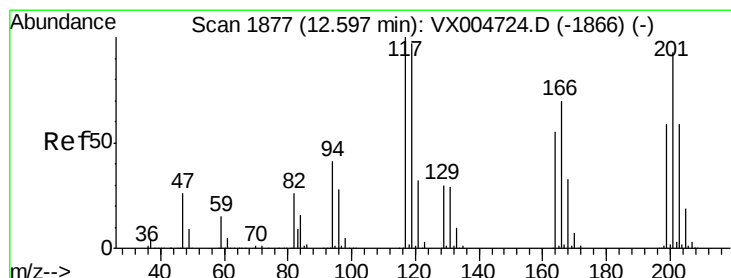
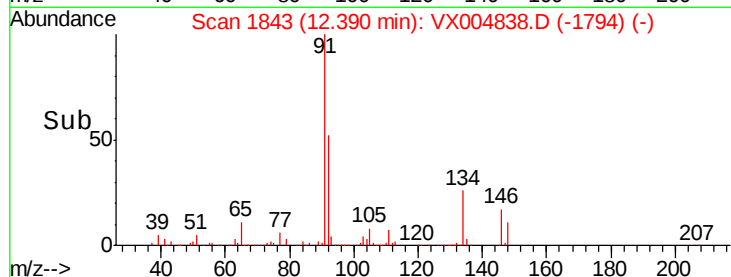
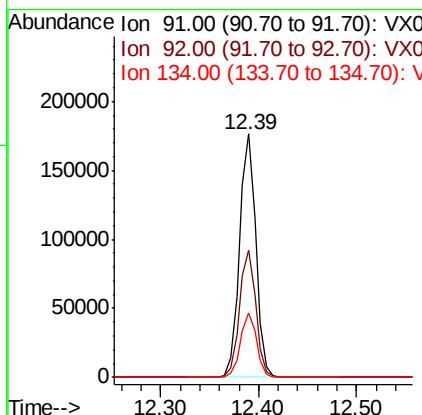
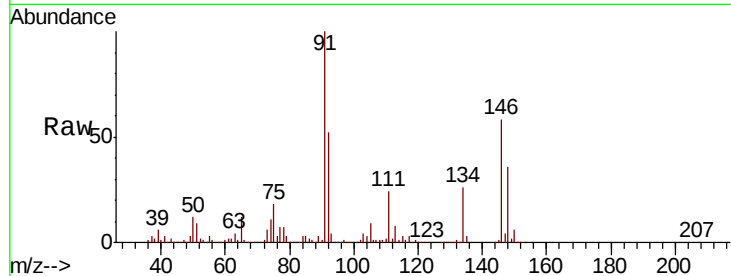




#89
n-Butylbenzene
Concen: 19.723 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX004838.D
Acq: 28 Sep 2018 23:39

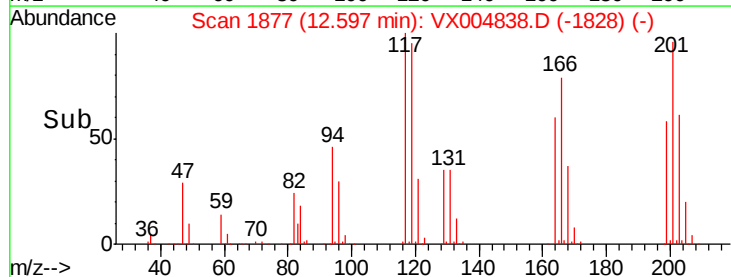
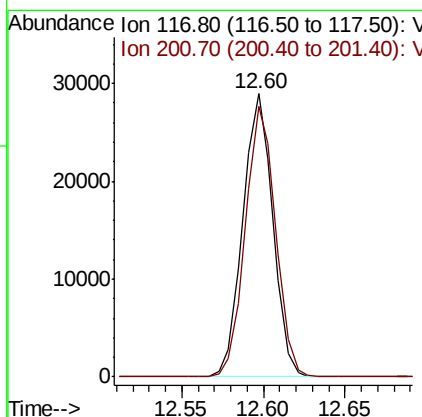
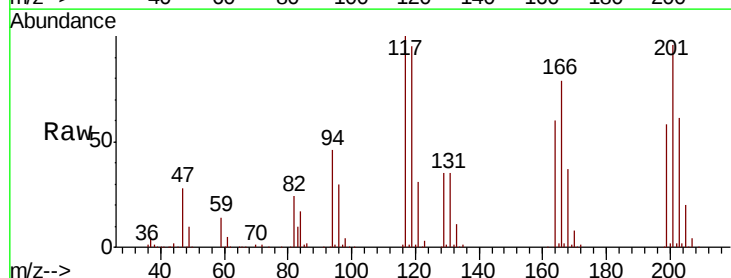
Instrument :
MSVOA_X
ClientSampled :
VX0928WBS02

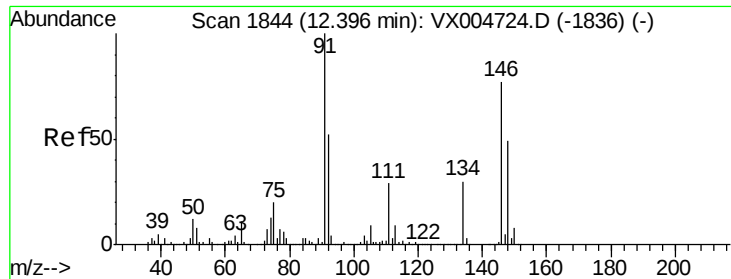
Tot Ion: 91 Resp: 203641
Ion Ratio Lower Upper
91 100
92 52.1 27.3 81.9
134 26.1 13.6 40.7



#90
Hexachloroethane
Concen: 19.613 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX004838.D
Acq: 28 Sep 2018 23:39

Tgt Ion: 117 Resp: 37125
Ion Ratio Lower Upper
117 100
201 96.3 46.9 140.6

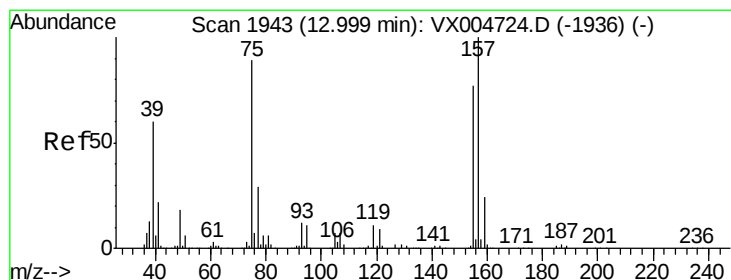
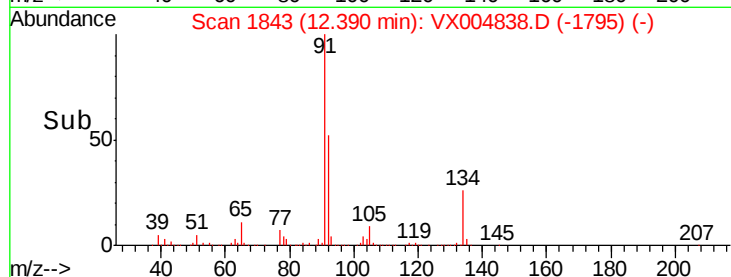
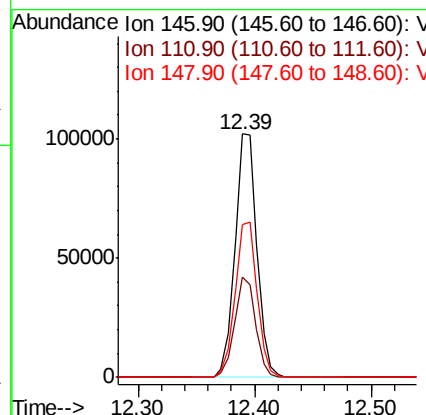
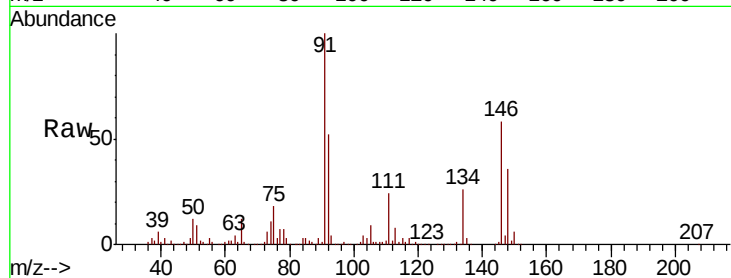




#91
 1,2-Dichlorobenzene
 Concen: 18.871 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.01 min
 Lab File: VX004838.D
 Acq: 28 Sep 2018 23:39

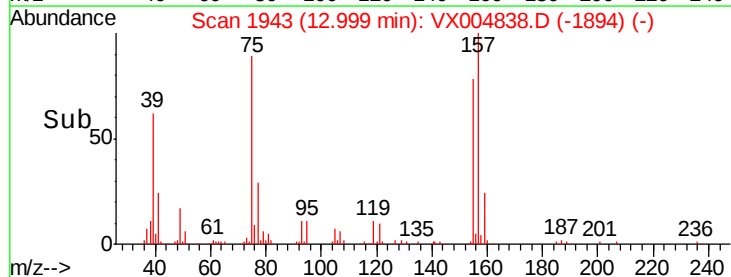
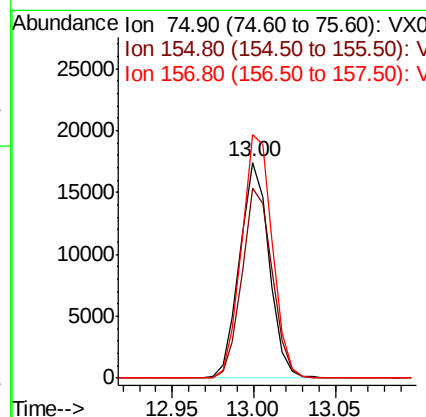
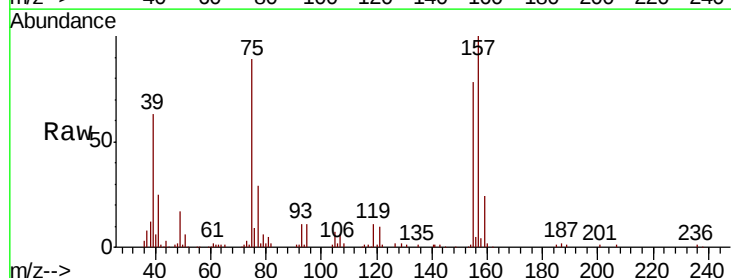
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0928WBS02

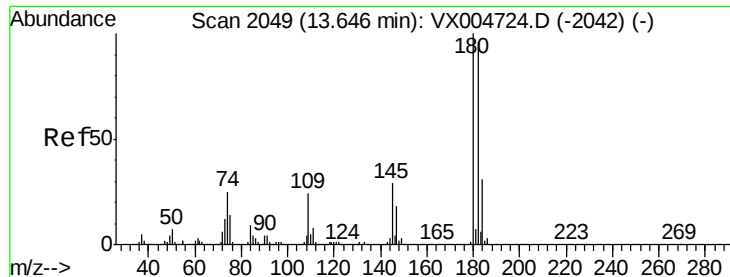
Tot Ion:146 Resp: 133838
 Ion Ratio Lower Upper
 146 100
 111 39.7 19.4 58.1
 148 64.1 32.8 98.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.654 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX004838.D
 Acq: 28 Sep 2018 23:39

Tgt Ion: 75 Resp: 21980
 Ion Ratio Lower Upper
 75 100
 155 90.4 48.0 144.2
 157 117.0 61.4 184.1

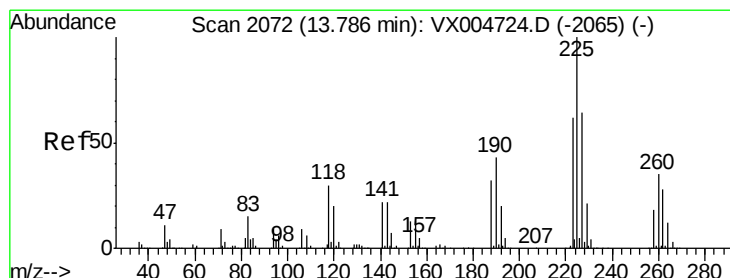
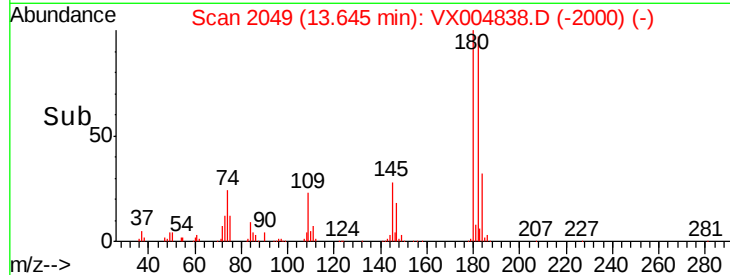
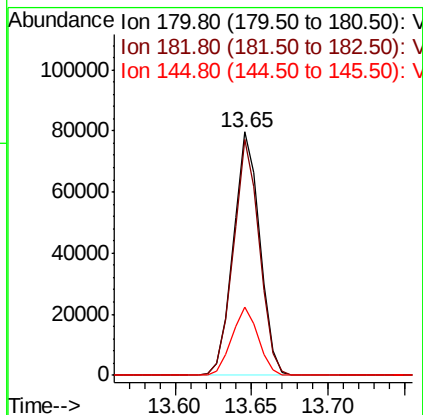
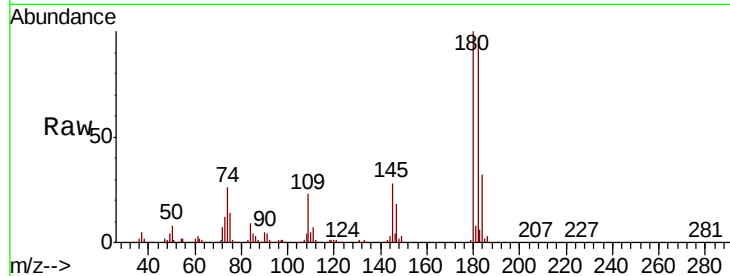




#93
 1,2,4-Trichlorobenzene
 Concen: 19.096 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX004838.D
 Acq: 28 Sep 2018 23:39

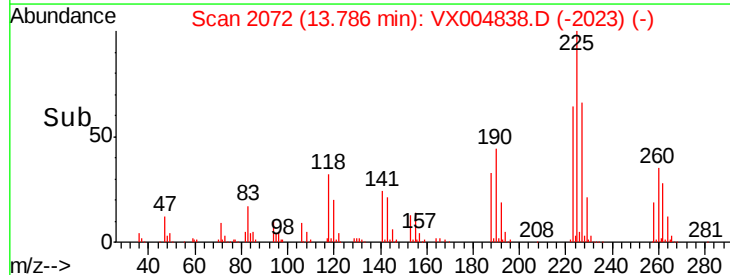
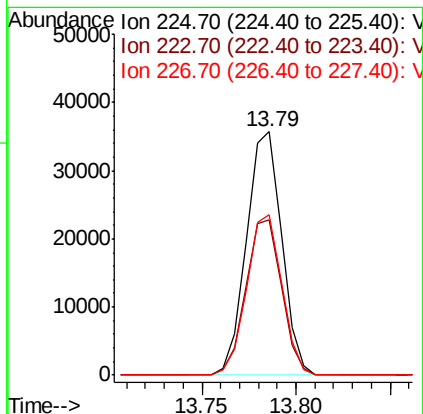
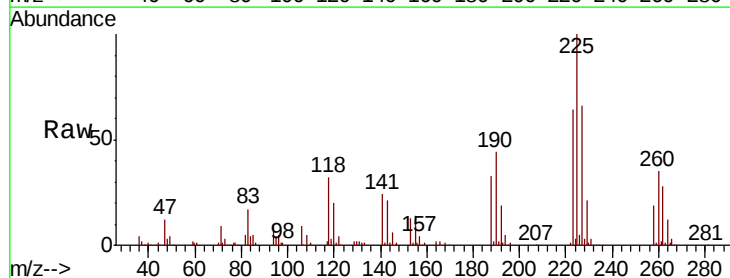
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0928WBS02

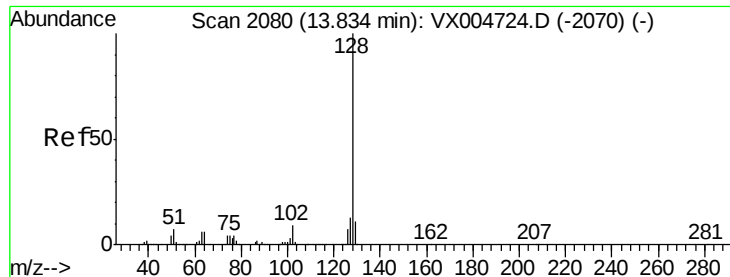
Tot Ion:180 Resp: 95003
 Ion Ratio Lower Upper
 180 100
 182 95.1 48.4 145.0
 145 28.0 14.3 42.9



#94
 Hexachlorobutadiene
 Concen: 17.985 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. -0.00 min
 Lab File: VX004838.D
 Acq: 28 Sep 2018 23:39

Tgt Ion:225 Resp: 46399
 Ion Ratio Lower Upper
 225 100
 223 64.7 30.1 90.5
 227 65.6 30.8 92.4

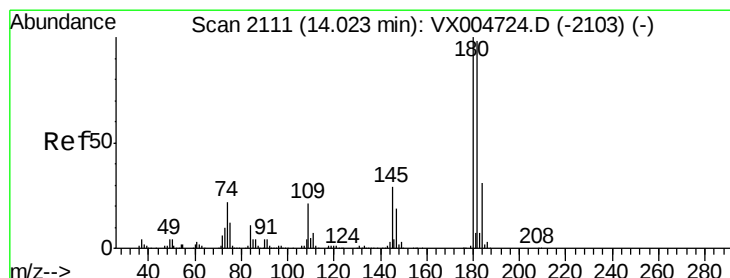
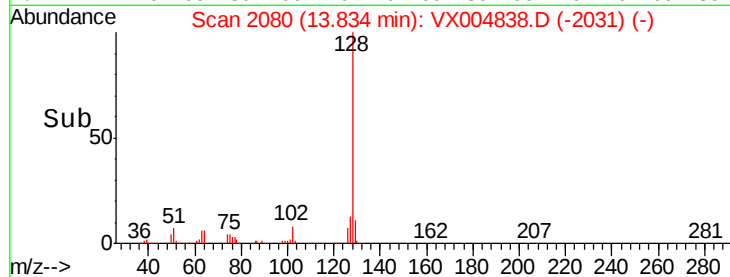
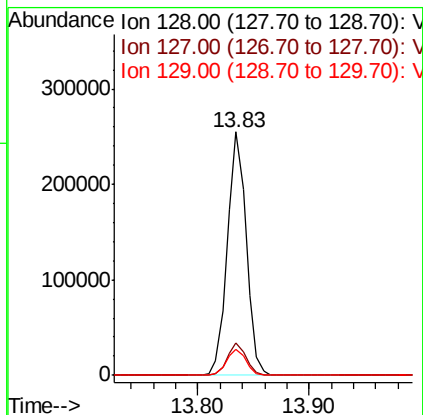
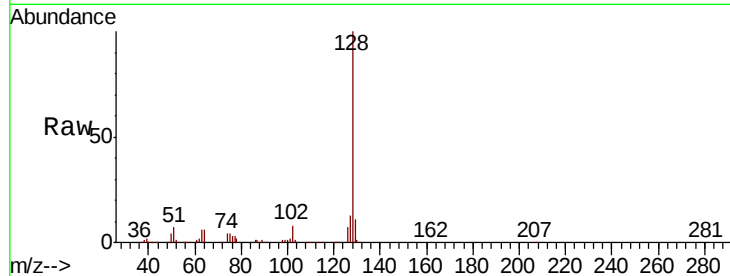




#95
Naphthalene
Concen: 18.610 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX004838.D
Acq: 28 Sep 2018 23:39

Instrument :
MSVOA_X
ClientSampleId :
VX0928WBS02

Tot Ion:128 Resp: 299726
Ion Ratio Lower Upper
128 100
127 13.1 10.2 15.2
129 11.0 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 19.373 ug/l
RT: 14.02 min Scan# 2111
Delta R.T. -0.00 min
Lab File: VX004838.D
Acq: 28 Sep 2018 23:39

Tgt Ion:180 Resp: 99564
Ion Ratio Lower Upper
180 100
182 95.3 48.5 145.6
145 29.6 14.9 44.9

