

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070918\
 Data File : VX003249.D
 Acq On : 09 Jul 2018 16:57
 Operator : JC/MD
 Sample : VX0709MBS01
 Misc : 5.0u/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0709MBS01

Quant Time: Jul 10 00:59:16 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X070918W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 09 15:24:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	257408	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	328334	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	296730	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	207891	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	204687	50.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.06%	
35) Dibromofluoromethane	5.51	113	168822	47.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.72%	
50) Toluene-d8	8.72	98	619133	49.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.84%	
62) 4-Bromofluorobenzene	11.14	95	225198	48.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.28%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	78966	20.18	ug/l	99
3) Chloromethane	1.32	50	68674	19.30	ug/l	95
4) Vinyl Chloride	1.40	62	68708	18.81	ug/l	100
5) Bromomethane	1.64	94	31171	29.32	ug/l	100
6) Chloroethane	1.72	64	40359	19.95	ug/l	98
7) Trichlorofluoromethane	1.93	101	105632	19.46	ug/l	98
8) Diethyl Ether	2.19	74	37457	19.09	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	2.38	101	60242	18.95	ug/l	94
10) Methyl Iodide	2.51	142	46085	17.30	ug/l	96
11) Tert butyl alcohol	3.08	59	76755	104.51	ug/l	99
12) 1,1-Dichloroethene	2.37	96	55189	19.08	ug/l	91
13) Acrolein	2.29	56	54898	92.76	ug/l	99
14) Allyl chloride	2.73	41	103070	19.24	ug/l	94
15) Acrylonitrile	3.15	53	163351	99.61	ug/l	99
16) Acetone	2.45	43	142751	99.26	ug/l	98
17) Carbon Disulfide	2.57	76	145697	18.13	ug/l	100
18) Methyl Acetate	2.78	43	85036	20.96	ug/l	96
19) Methyl tert-butyl Ether	3.21	73	184921	19.14	ug/l	98
20) Methylene Chloride	2.86	84	60962	20.26	ug/l	90
21) trans-1,2-Dichloroethene	3.17	96	59504	19.30	ug/l	96
22) Diisopropyl ether	3.88	45	194126	17.81	ug/l	98
23) Vinyl Acetate	3.83	43	843354	91.13	ug/l	98
24) 1,1-Dichloroethane	3.70	63	108553	19.13	ug/l	98
25) 2-Butanone	4.71	43	254238	99.90	ug/l	97
26) 2,2-Dichloropropane	4.59	77	88636	17.86	ug/l	97
27) cis-1,2-Dichloroethene	4.60	96	70582	18.63	ug/l	98
28) Bromochloromethane	5.03	49	55533	19.43	ug/l	88
29) Tetrahydrofuran	5.17	42	162180	98.19	ug/l	96
30) Chloroform	5.22	83	119038	19.07	ug/l	98
31) Cyclohexane	5.57	56	101872	19.18	ug/l	98
32) 1,1,1-Trichloroethane	5.50	97	106882	19.41	ug/l	97
36) 1,1-Dichloropropene	5.80	75	86957	18.71	ug/l	99
37) Ethyl Acetate	4.87	43	95734	18.79	ug/l	98
38) Carbon Tetrachloride	5.79	117	93288	18.35	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070918\
 Data File : VX003249.D
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 Operator : JC/MD
 Sample : VX0709MBS01
 Misc : 5.0µl/10mL/100µL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0709MBS01

Quant Time: Jul 10 00:59:16 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X070918W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 09 15:24:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	101017	18.45	ug/l	98
40) Benzene	6.15	78	262766	19.08	ug/l	98
41) Methacrylonitrile	5.07	41	53757	19.27	ug/l	95
42) 1,2-Dichloroethane	6.20	62	95741	18.60	ug/l	98
43) Isopropyl Acetate	6.47	43	149743	18.71	ug/l	97
44) Trichloroethene	7.22	130	75996	18.66	ug/l	95
45) 1,2-Dichloropropane	7.52	63	64711	18.07	ug/l	98
46) Dibromomethane	7.67	93	45067	18.46	ug/l	92
47) Bromodichloromethane	7.90	83	81595	18.12	ug/l	95
48) Methyl methacrylate	7.78	41	77815	18.96	ug/l	94
49) 1,4-Dioxane	7.76	88	32643	380.43	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	492760	98.92	ug/l	97
52) Toluene	8.79	92	165518	19.01	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	97475	18.39	ug/l	98
54) cis-1,3-Dichloropropene	9.04	75	88357	18.32	ug/l	95
55) 1,1,2-Trichloroethane	9.22	97	66774	18.49	ug/l	97
56) Ethyl methacrylate	9.18	69	93011	18.80	ug/l	92
57) 1,3-Dichloropropane	9.38	76	109157	18.76	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	248871	104.28	ug/l	97
59) 2-Hexanone	9.50	43	373063	98.60	ug/l	95
60) Dibromochloromethane	9.59	129	67865	17.99	ug/l	100
61) 1,2-Dibromoethane	9.68	107	71675	18.93	ug/l	100
64) Tetrachloroethene	9.34	164	85638	19.09	ug/l	97
65) Chlorobenzene	10.14	112	188888	18.73	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.23	131	68848	18.93	ug/l	100
67) Ethyl Benzene	10.26	91	309349	18.97	ug/l	98
68) m/p-Xylenes	10.36	106	243934	38.46	ug/l	98
69) o-Xylene	10.70	106	118156	19.23	ug/l	97
70) Styrene	10.71	104	190948	19.16	ug/l	98
71) Bromoform	10.86	173	52762	17.63	ug/l	98
73) Isopropylbenzene	11.02	105	321955	19.61	ug/l	100
74) N-amyl acetate	6.47	43	149743	19.12	ug/l #	97
75) 1,1,2,2-Tetrachloroethane	11.27	83	98844	19.42	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	107629	23.96	ug/l	83
77) Bromobenzene	11.26	156	90620	19.12	ug/l	96
78) n-propylbenzene	11.37	91	357230	19.57	ug/l	98
79) 2-Chlorotoluene	11.43	91	215148	19.35	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	268822	19.67	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	24634	17.92	ug/l	99
82) 4-Chlorotoluene	11.51	91	249527	19.22	ug/l	97
83) tert-Butylbenzene	11.77	119	265330	19.43	ug/l	96
84) 1,2,4-Trimethylbenzene	11.81	105	276397	19.75	ug/l	99
85) sec-Butylbenzene	11.95	105	315409	19.55	ug/l	98
86) p-Isopropyltoluene	12.07	119	284583	19.36	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	162622	18.71	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	164989	18.75	ug/l	99
89) n-Butylbenzene	12.39	91	232521	18.93	ug/l	99
90) Hexachloroethane	12.60	117	39498	17.60	ug/l	96
91) 1,2-Dichlorobenzene	12.40	146	162789	18.65	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	20178	18.47	ug/l	90

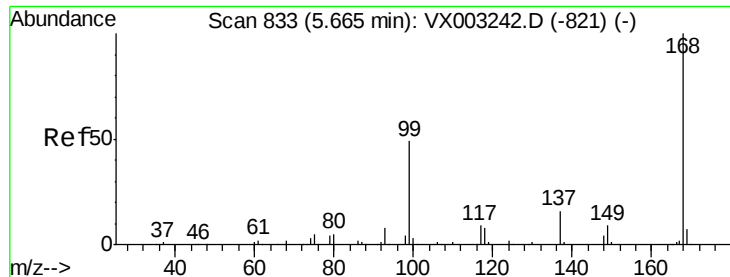
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070918\
Data File : VX003249.D
Acq On : 09 Jul 2018 16:57
Operator : JC/MD
Sample : VX0709MBS01
Misc : 5.0µ/10mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0709MBS01

Quant Time: Jul 10 00:59:16 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X070918W.M
Quant Title : SW846 8260
QLast Update : Mon Jul 09 15:24:16 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	121998	19.20	ug/l	99
94) Hexachlorobutadiene	13.79	225	60687	19.19	ug/l	98
95) Naphthalene	13.84	128	339653	20.43	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	123884	19.55	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.00 min

Lab File: VX003249.D

Acq: 09 Jul 2018 16:57

Instrument :

MSVOA_X

ClientSampleId :

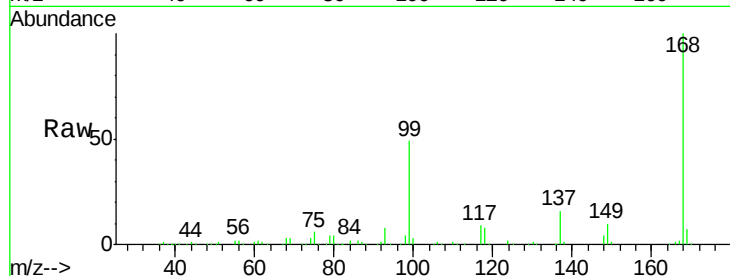
VX0709MBS01

Tot Ion:168 Resp: 257408

Ion Ratio Lower Upper

168 100

99 49.2 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

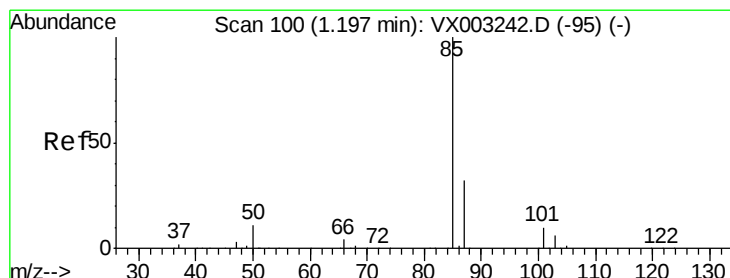
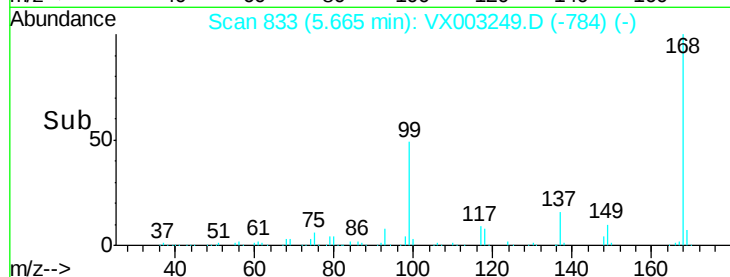
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 20.18 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX003249.D

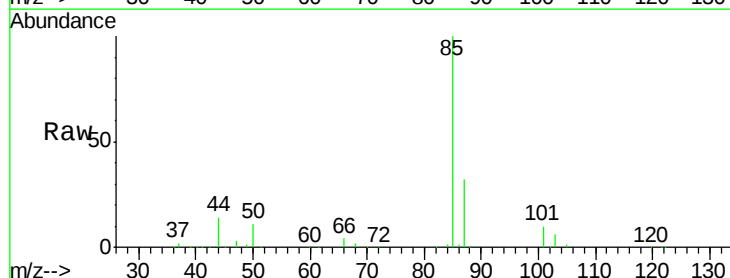
Acq: 09 Jul 2018 16:57

Tgt Ion: 85 Resp: 78966

Ion Ratio Lower Upper

85 100

87 32.2 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

80000

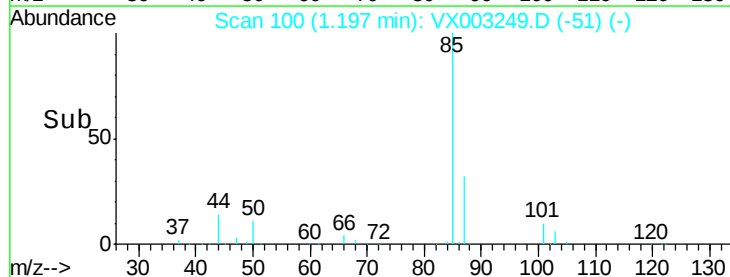
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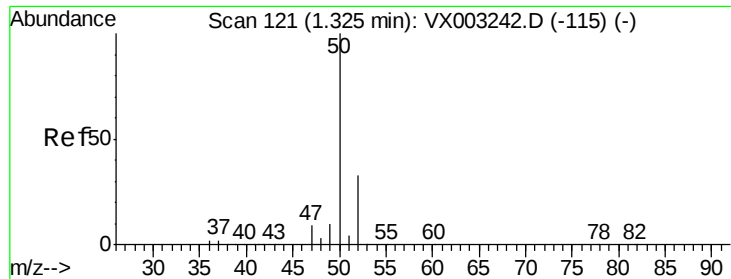
40000

20000

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Time-->





#3

Chloromethane

Concen: 19.30 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX003249.D

Acq: 09 Jul 2018 16:57

Instrument :

MSVOA_X

ClientSampleId :

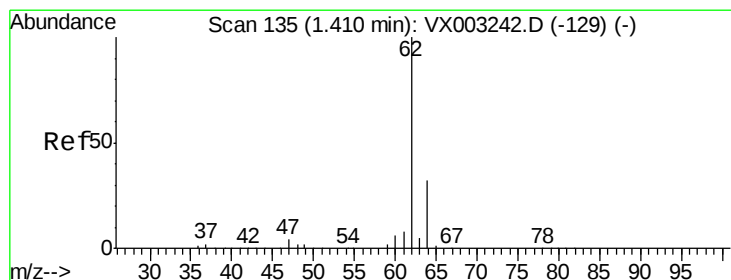
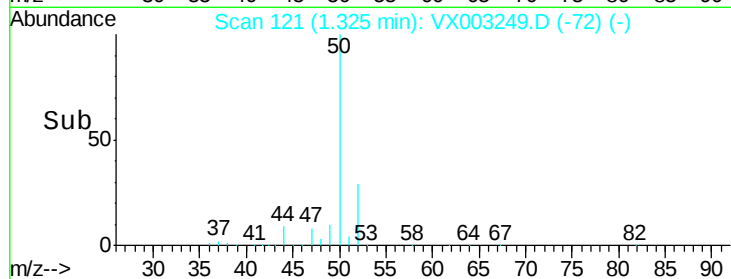
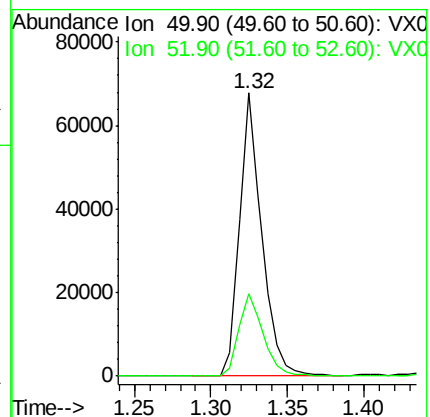
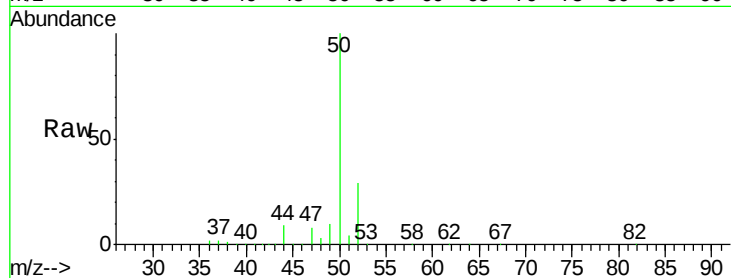
VX0709MBS01

Tot Ion: 50 Resp: 68674

Ion Ratio Lower Upper

50 100

52 29.3 25.7 38.5



#4

Vinyl Chloride

Concen: 18.81 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX003249.D

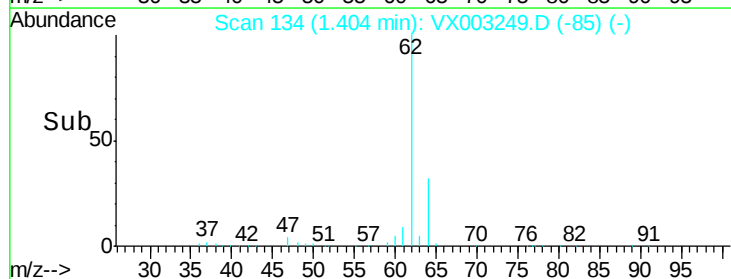
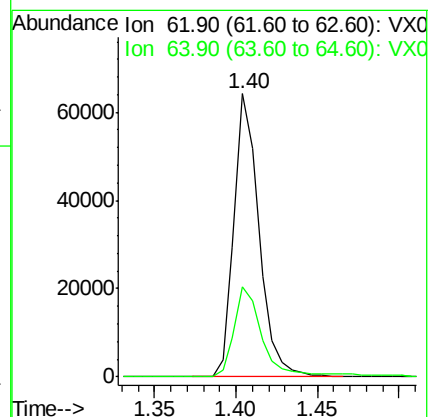
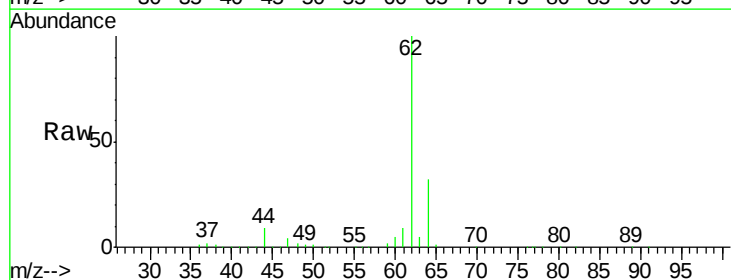
Acq: 09 Jul 2018 16:57

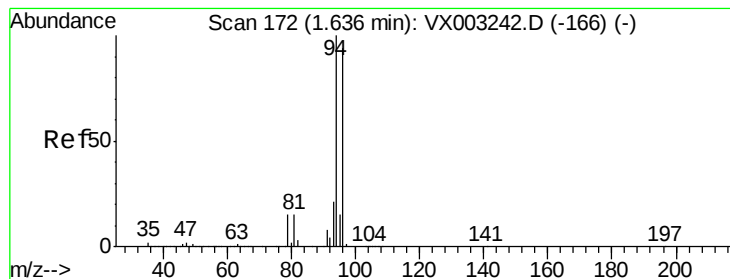
Tgt Ion: 62 Resp: 68708

Ion Ratio Lower Upper

62 100

64 31.5 25.4 38.2





#5

Bromomethane

Concen: 29.32 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003249.D

Acq: 09 Jul 2018 16:57

Instrument :

MSVOA_X

ClientSampleId :

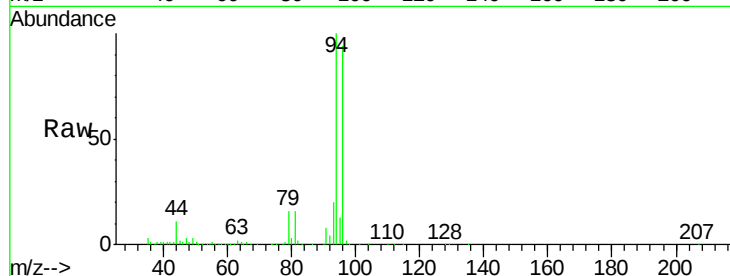
VX0709MBS01

Tot Ion: 94 Resp: 31171

Ion Ratio Lower Upper

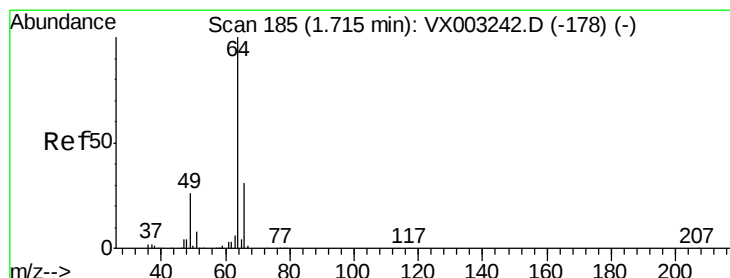
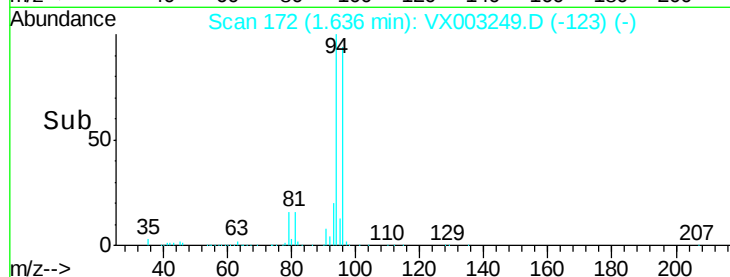
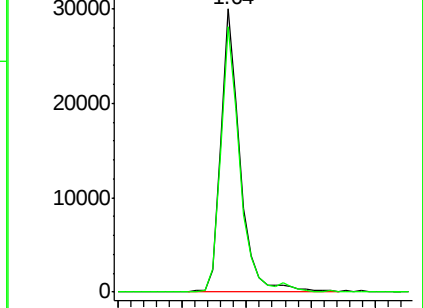
94 100

96 93.8 74.9 112.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 19.95 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.01 min

Lab File: VX003249.D

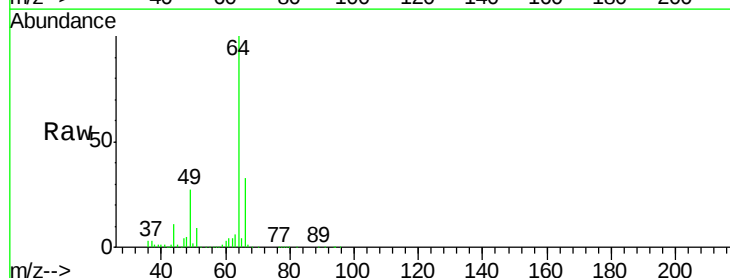
Acq: 09 Jul 2018 16:57

Tgt Ion: 64 Resp: 40359

Ion Ratio Lower Upper

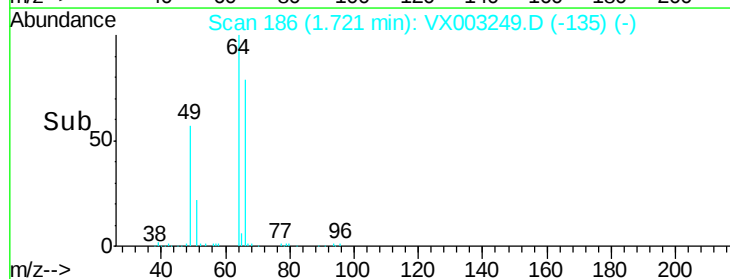
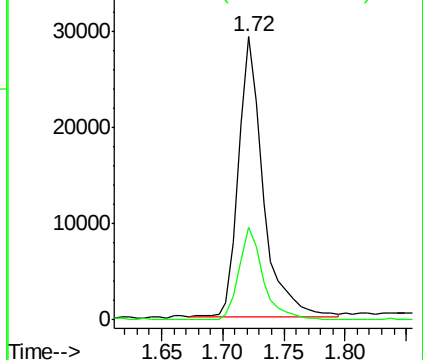
64 100

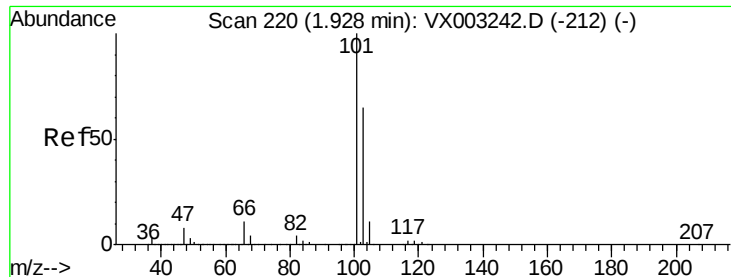
66 32.9 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



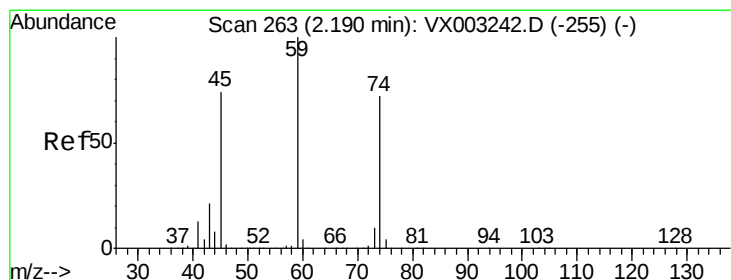
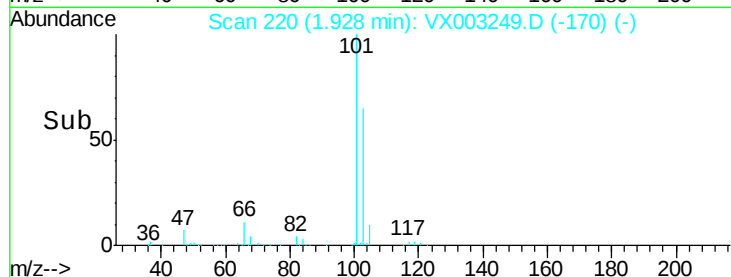
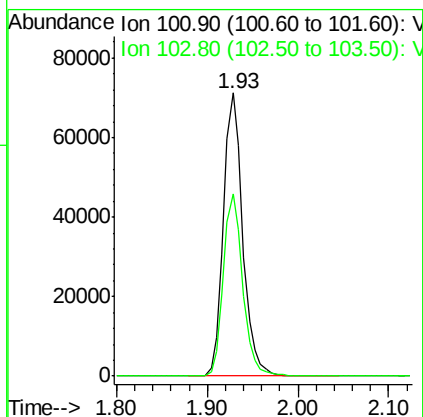
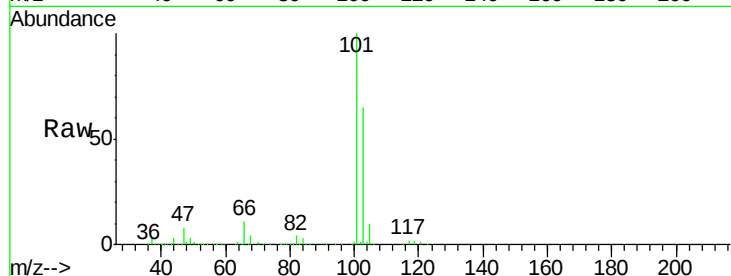


#7

Trichlorofluoromethane
 Concen: 19.46 ug/l
 RT: 1.93 min Scan# 220
 Delta R.T. 0.01 min
 Lab File: VX003249.D
 Acq: 09 Jul 2018 16:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0709MBS01

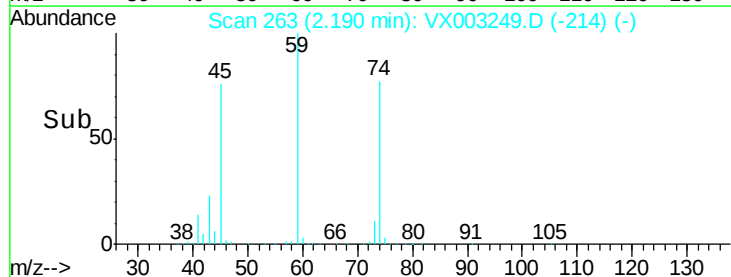
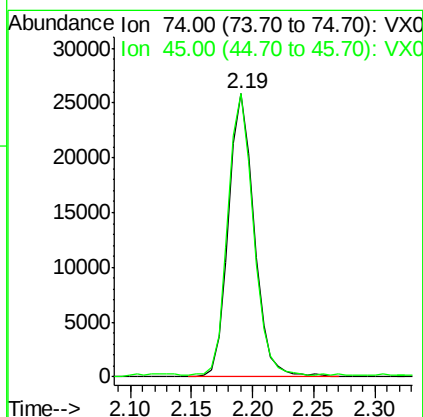
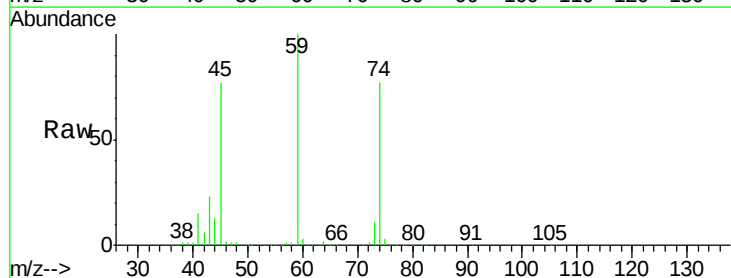
Tot Ion:101 Resp: 105632
 Ion Ratio Lower Upper
 101 100
 103 64.6 52.8 79.2

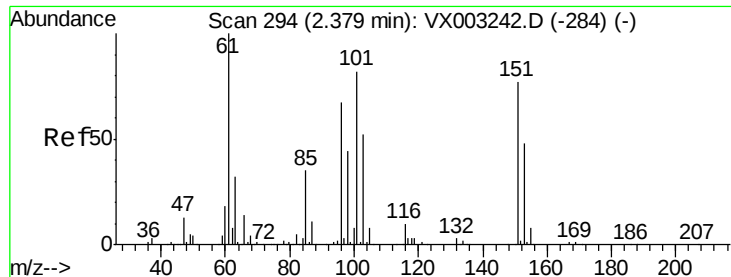


#8

Diethyl Ether
 Concen: 19.09 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. -0.00 min
 Lab File: VX003249.D
 Acq: 09 Jul 2018 16:57

Tgt Ion: 74 Resp: 37457
 Ion Ratio Lower Upper
 74 100
 45 98.5 53.1 159.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.95 ug/l

RT: 2.38 min Scan# 294

Delta R.T. -0.00 min

Lab File: VX003249.D

Acq: 09 Jul 2018 16:57

Instrument :

MSVOA_X

ClientSampleId :

VX0709MBS01

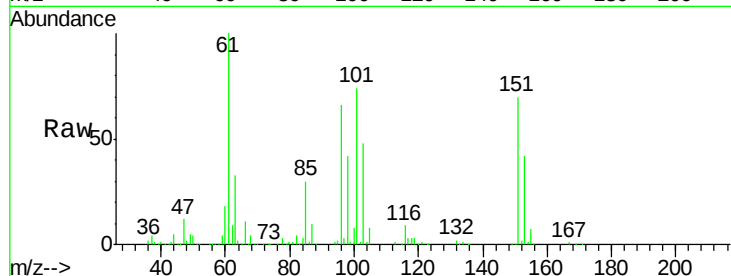
Tot Ion:101 Resp: 60242

Ion Ratio Lower Upper

101 100

85 42.2 36.0 54.0

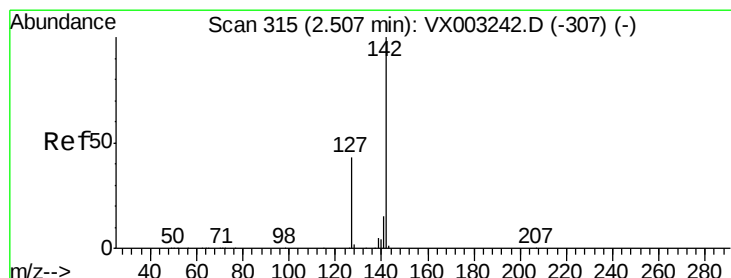
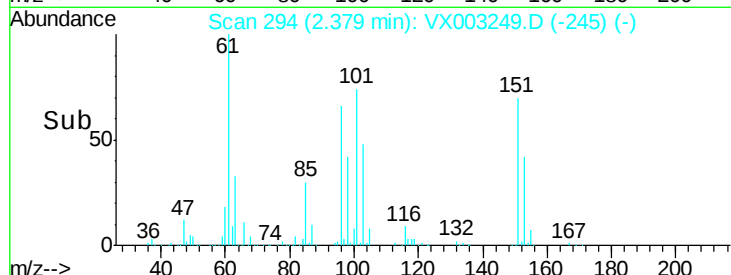
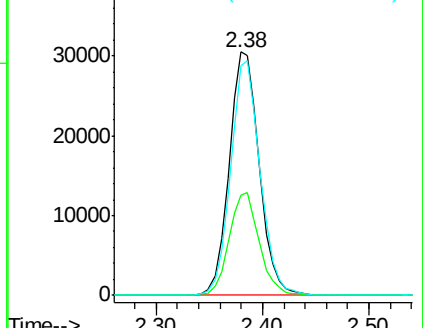
151 95.1 70.9 106.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 17.30 ug/l

RT: 2.51 min Scan# 316

Delta R.T. 0.01 min

Lab File: VX003249.D

Acq: 09 Jul 2018 16:57

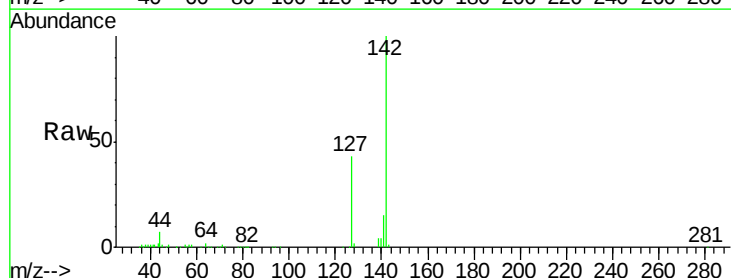
Tgt Ion:142 Resp: 46085

Ion Ratio Lower Upper

142 100

127 42.8 36.6 55.0

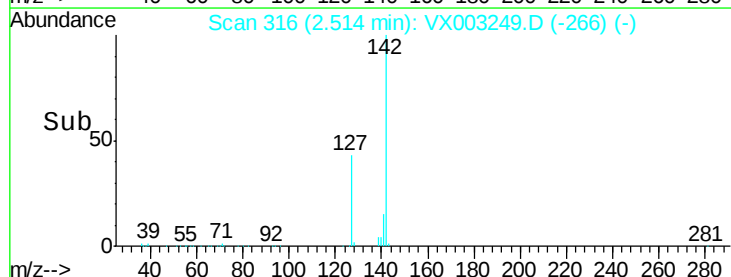
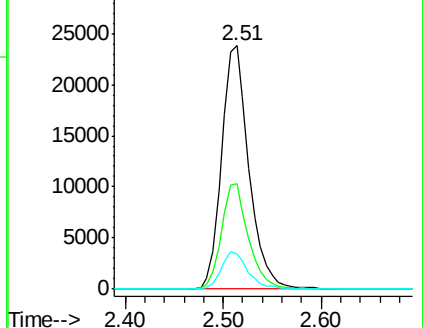
141 15.0 11.3 16.9

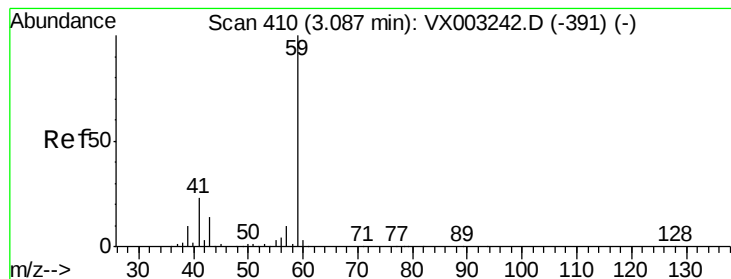


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



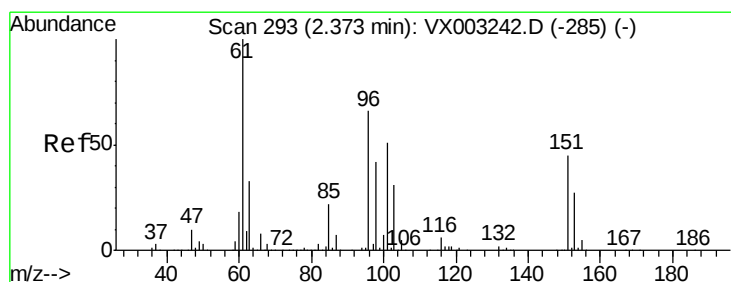
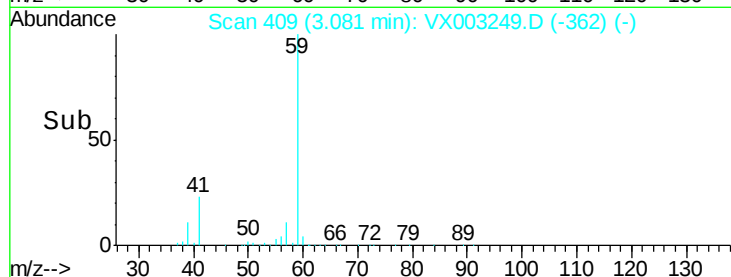
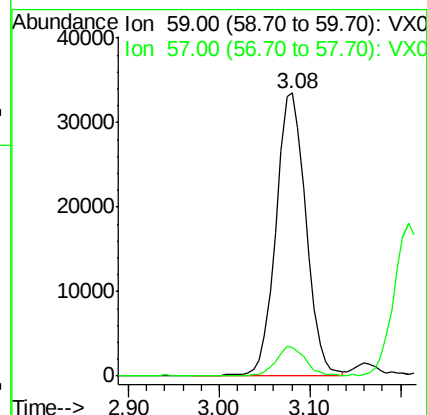
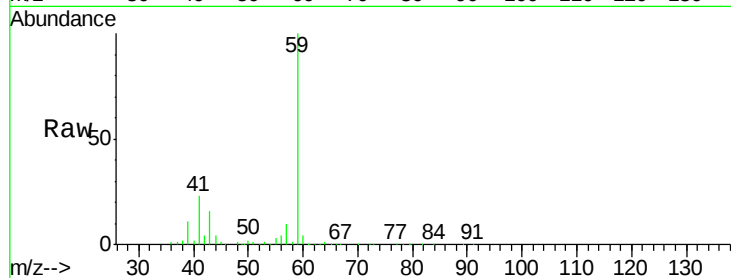


#11

Tert butyl alcohol
 Concen: 104.51 ug/l
 RT: 3.08 min Scan# 409
 Delta R.T. -0.01 min
 Lab File: VX003249.D
 Acq: 09 Jul 2018 16:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0709MBS01

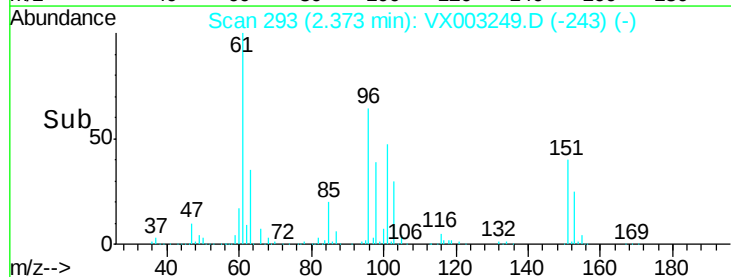
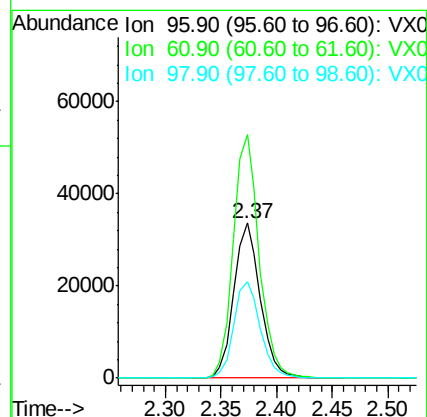
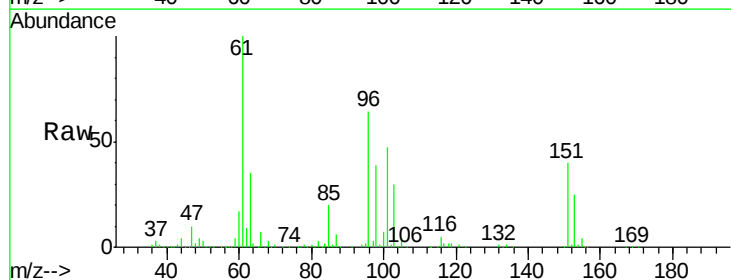
Tot Ion: 59 Resp: 76755
 Ion Ratio Lower Upper
 59 100
 57 10.4 8.2 12.2

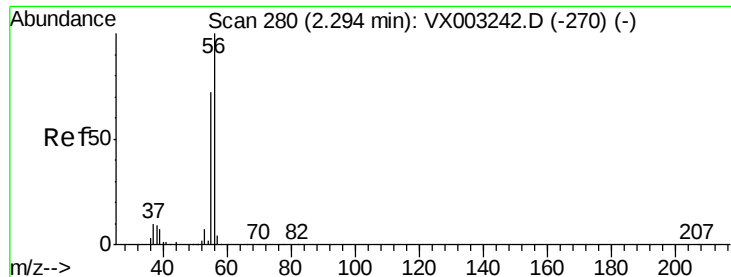


#12

1,1-Dichloroethene
 Concen: 19.08 ug/l
 RT: 2.37 min Scan# 293
 Delta R.T. 0.01 min
 Lab File: VX003249.D
 Acq: 09 Jul 2018 16:57

Tgt Ion: 96 Resp: 55189
 Ion Ratio Lower Upper
 96 100
 61 157.0 137.9 206.9
 98 61.9 51.6 77.4





#13

Acrolein

Concen: 92.76 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.00 min

Lab File: VX003249.D

Acq: 09 Jul 2018 16:57

Instrument :

MSVOA_X

ClientSampleId :

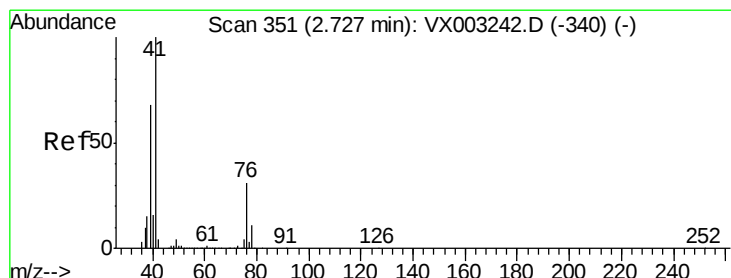
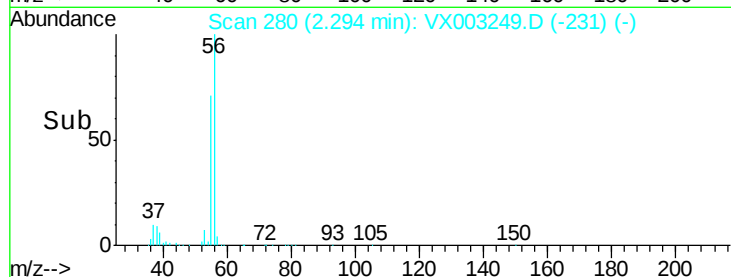
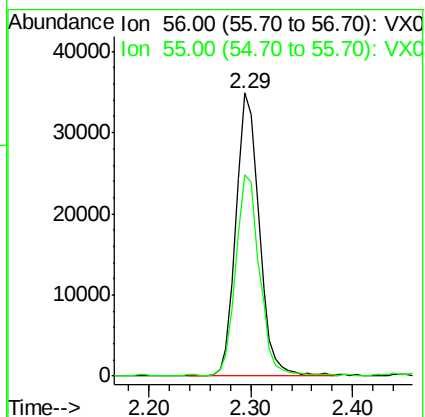
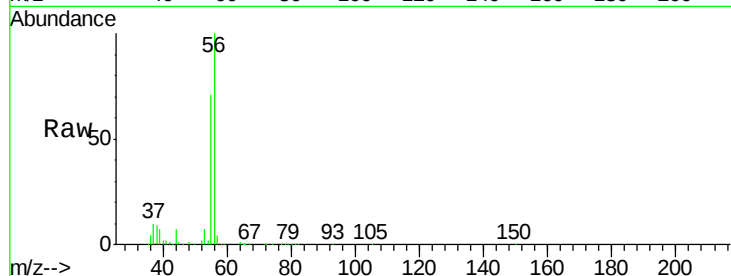
VX0709MBS01

Tot Ion: 56 Resp: 54898

Ion Ratio Lower Upper

56 100

55 71.7 57.0 85.4



#14

Allyl chloride

Concen: 19.24 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX003249.D

Acq: 09 Jul 2018 16:57

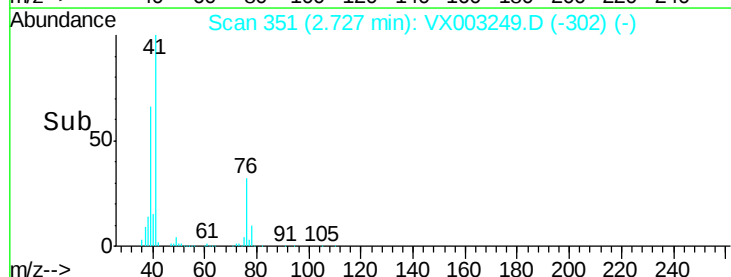
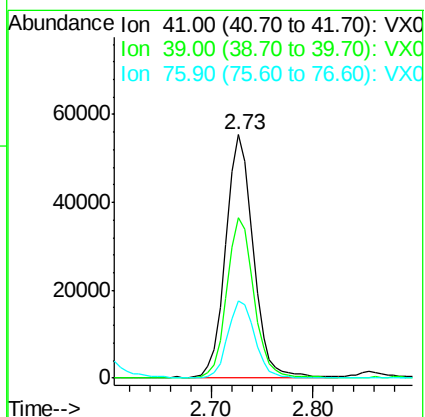
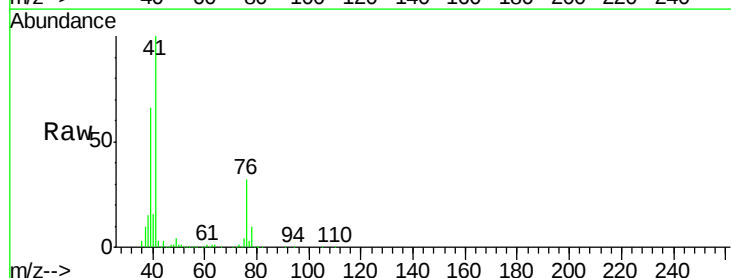
Tgt Ion: 41 Resp: 103070

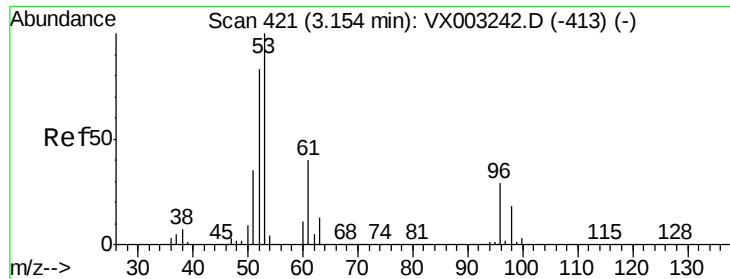
Ion Ratio Lower Upper

41 100

39 64.5 56.8 85.2

76 31.1 23.8 35.8





#15

Acrylonitrile

Concen: 99.61 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

Lab File: VX003249.D

Acq: 09 Jul 2018 16:57

Instrument :

MSVOA_X

ClientSampled :

VX0709MBS01

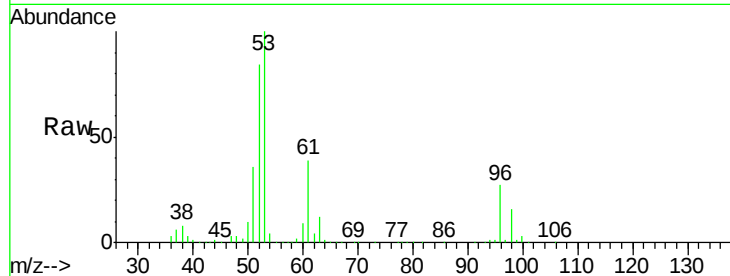
Tot Ion: 53 Resp: 163351

Ion Ratio Lower Upper

53 100

52 82.6 66.7 100.1

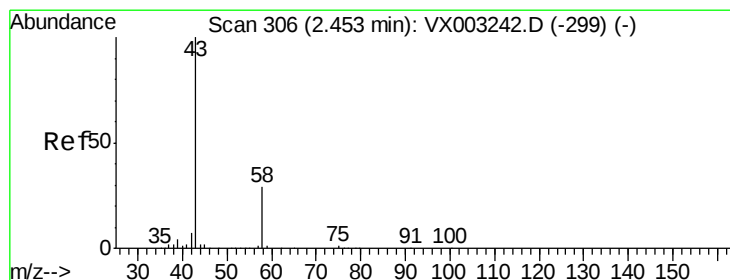
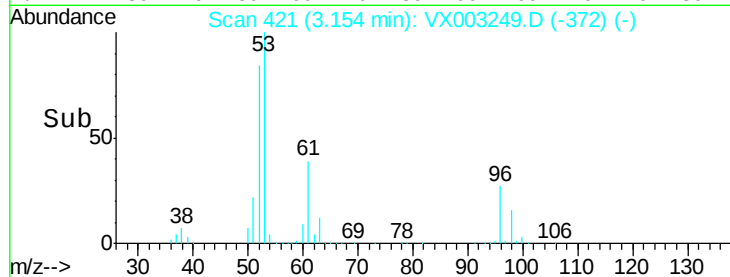
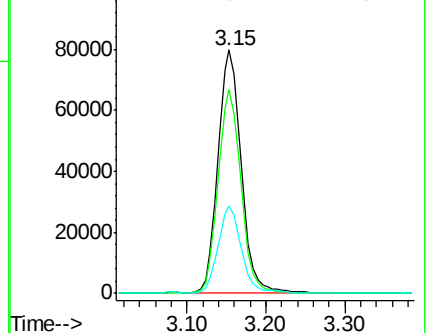
51 35.9 29.9 44.9



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: 99.26 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX003249.D

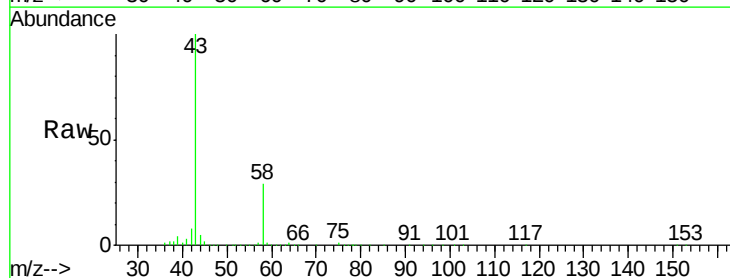
Acq: 09 Jul 2018 16:57

Tgt Ion: 43 Resp: 142751

Ion Ratio Lower Upper

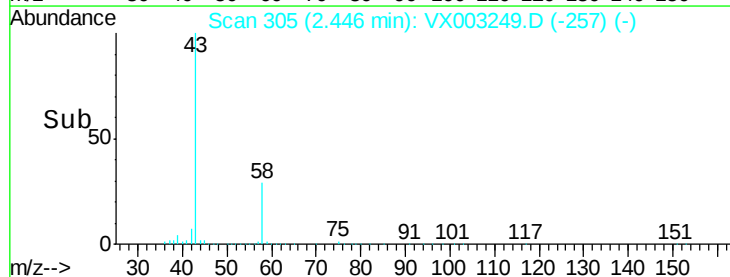
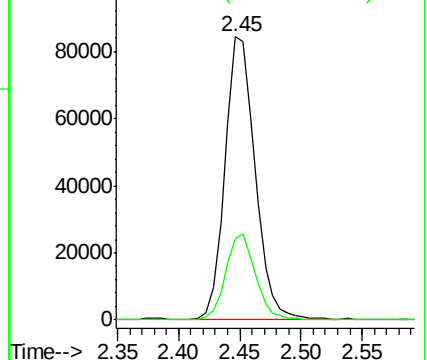
43 100

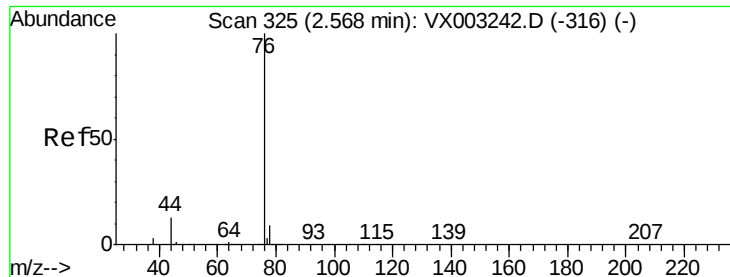
58 28.6 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 18.13 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.01 min

Lab File: VX003249.D

Acq: 09 Jul 2018 16:57

Instrument :

MSVOA_X

ClientSampleId :

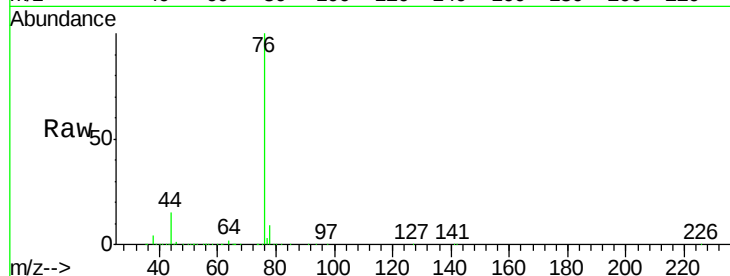
VX0709MBS01

Tot Ion: 76 Resp: 145697

Ion Ratio Lower Upper

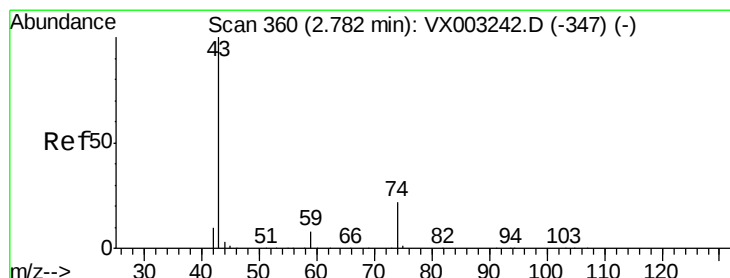
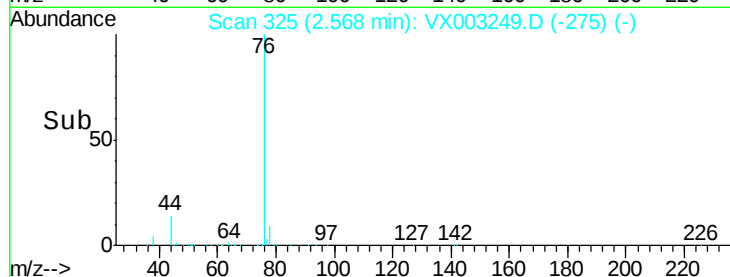
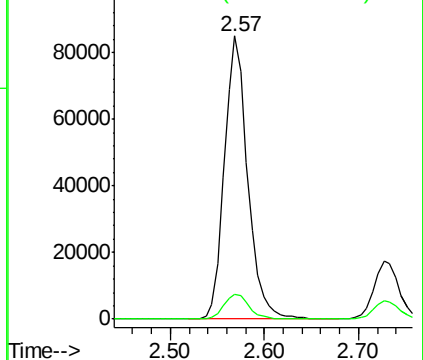
76 100

78 8.6 6.9 10.3



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 20.96 ug/l

RT: 2.78 min Scan# 360

Delta R.T. -0.00 min

Lab File: VX003249.D

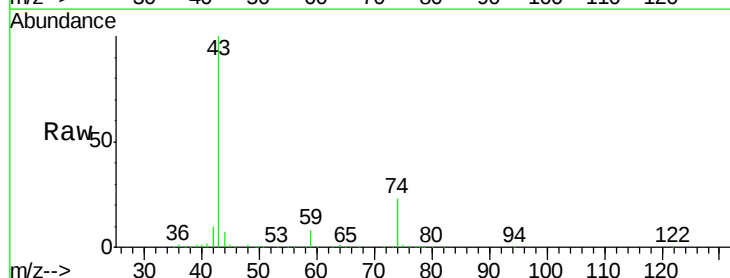
Acq: 09 Jul 2018 16:57

Tgt Ion: 43 Resp: 85036

Ion Ratio Lower Upper

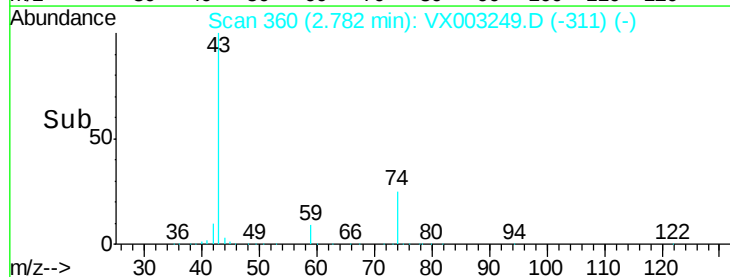
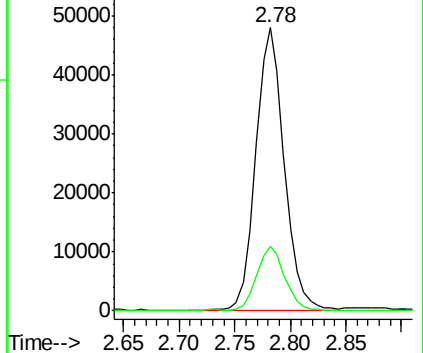
43 100

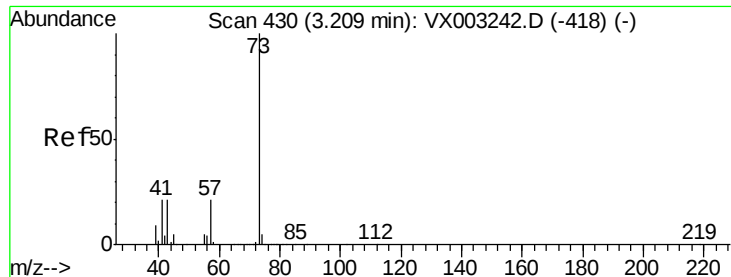
74 22.6 16.7 25.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

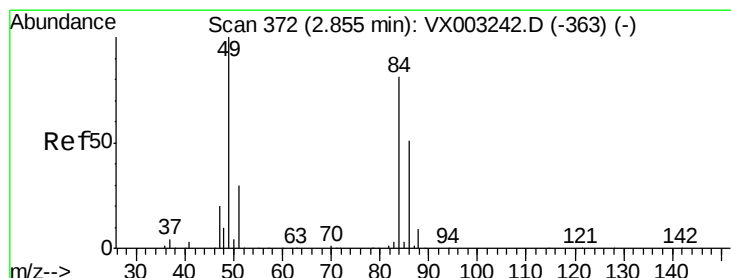
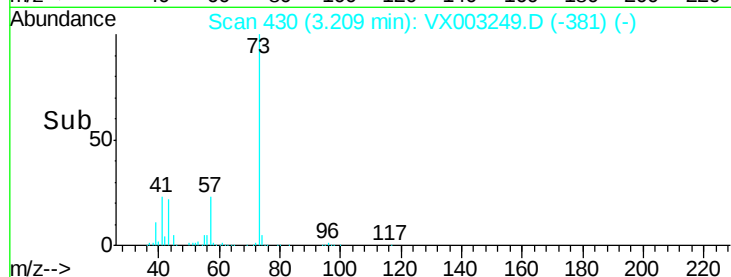
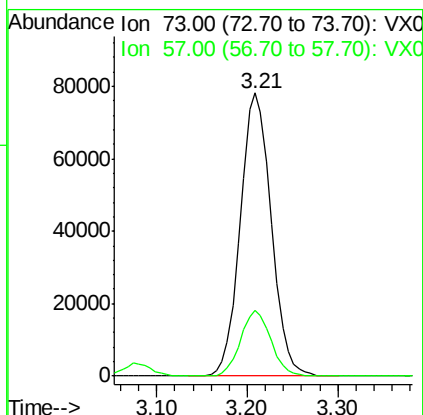
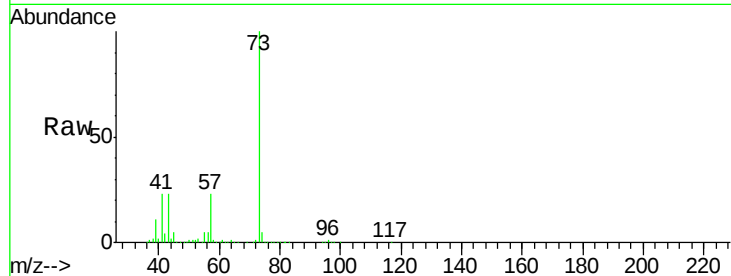




#19
Methyl tert-butyl Ether
Concen: 19.14 ug/l
RT: 3.21 min Scan# 430
Delta R.T. -0.00 min
Lab File: VX003249.D
Acq: 09 Jul 2018 16:57

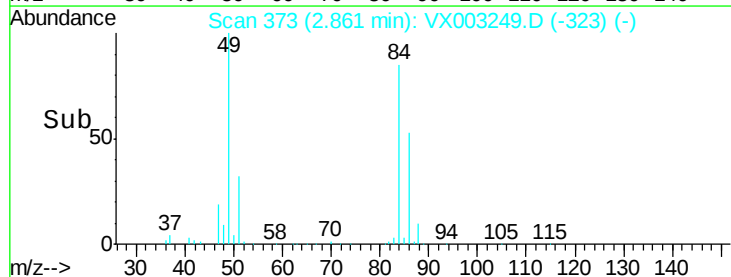
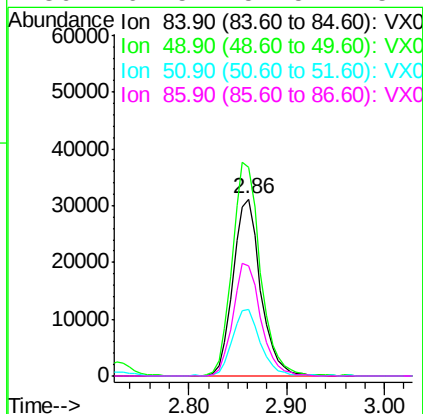
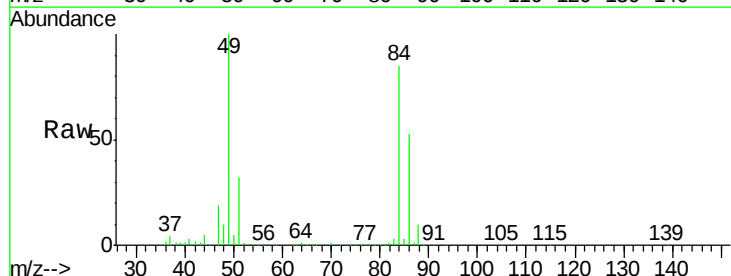
Instrument :
MSVOA_X
ClientSampleId :
VX0709MBS01

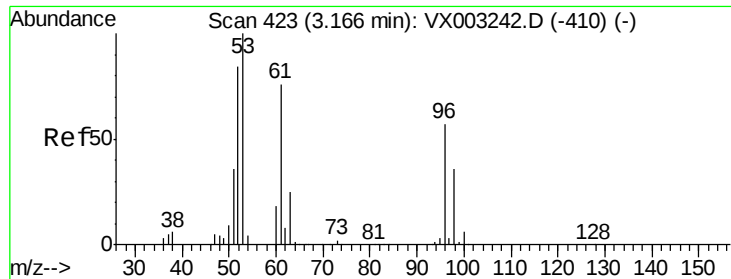
Tot Ion: 73 Resp: 184921
Ion Ratio Lower Upper
73 100
57 23.0 17.7 26.5



#20
Methylene Chloride
Concen: 20.26 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.01 min
Lab File: VX003249.D
Acq: 09 Jul 2018 16:57

Tgt Ion: 84 Resp: 60962
Ion Ratio Lower Upper
84 100
49 117.8 107.8 161.6
51 37.3 32.8 49.2
86 62.5 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 19.30 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.01 min

Lab File: VX003249.D

Acq: 09 Jul 2018 16:57

Instrument :

MSVOA_X

ClientSampled :

VX0709MBS01

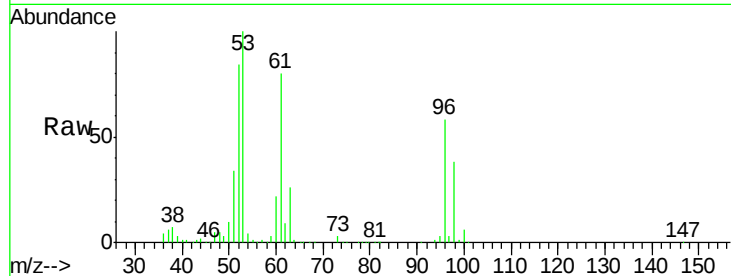
Tot Ion: 96 Resp: 59504

Ion Ratio Lower Upper

96 100

61 139.2 117.0 175.4

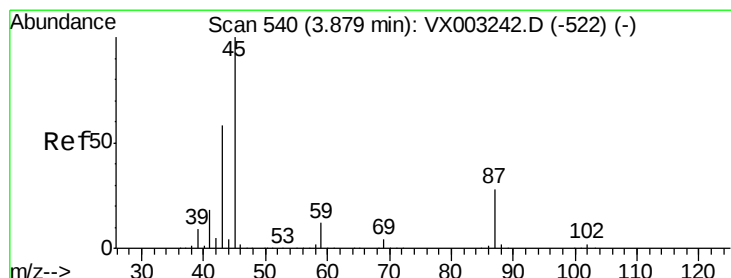
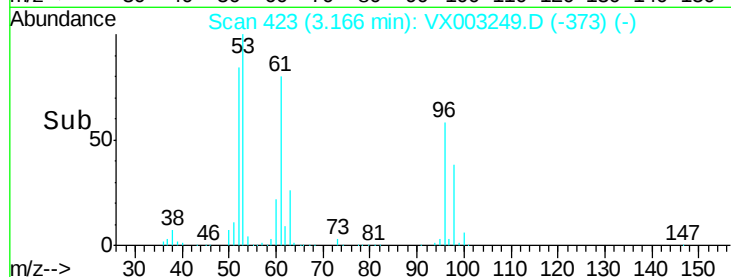
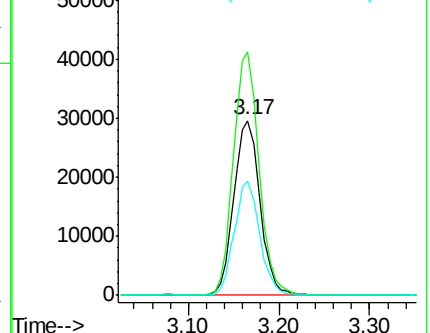
98 65.4 52.4 78.6



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 17.81 ug/l

RT: 3.88 min Scan# 540

Delta R.T. -0.00 min

Lab File: VX003249.D

Acq: 09 Jul 2018 16:57

Tgt Ion: 45 Resp: 194126

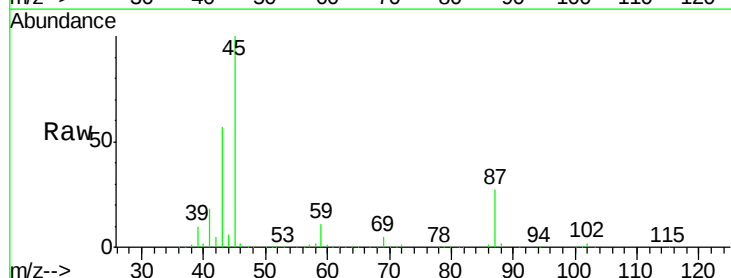
Ion Ratio Lower Upper

45 100

43 56.7 46.8 70.2

87 27.0 20.2 30.4

59 11.2 8.7 13.1

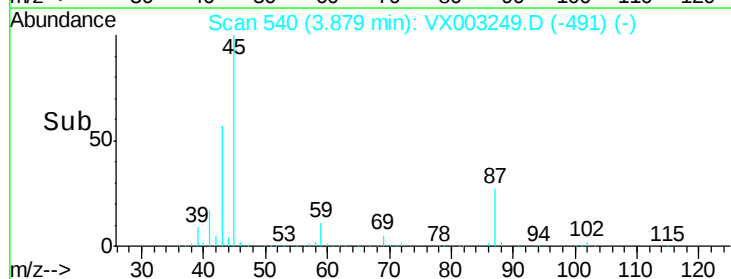
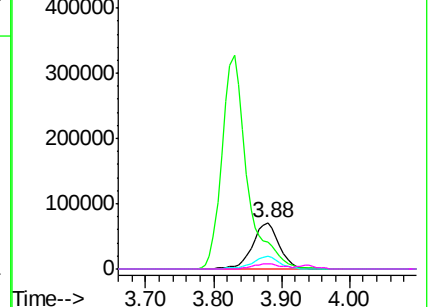


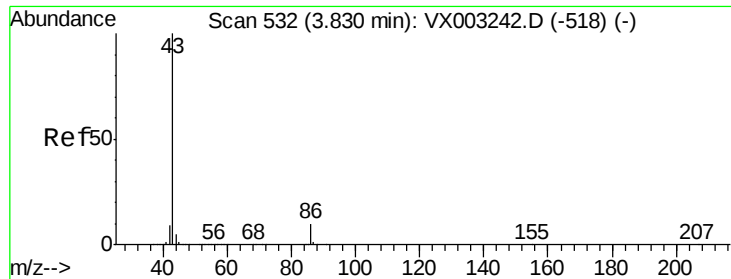
Abundance Ion 45.00 (44.70 to 45.70): VX0

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: 91.13 ug/l

RT: 3.83 min Scan# 532

Delta R.T. -0.00 min

Lab File: VX003249.D

Acq: 09 Jul 2018 16:57

Instrument :

MSVOA_X

ClientSampleId :

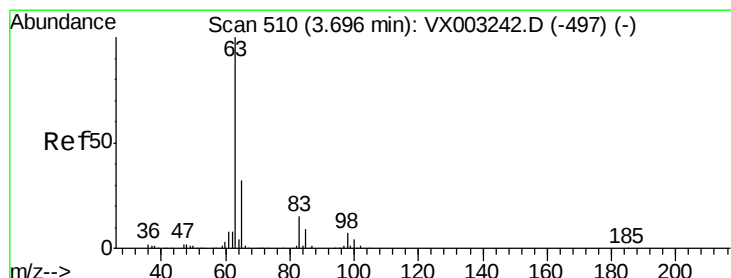
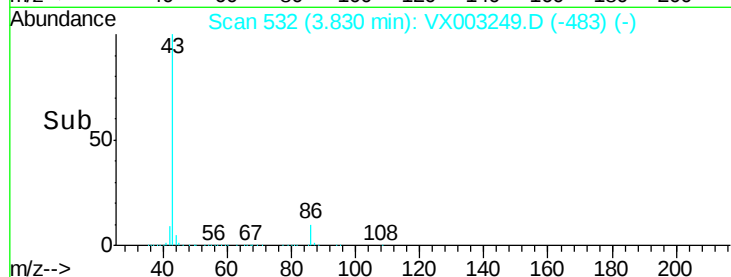
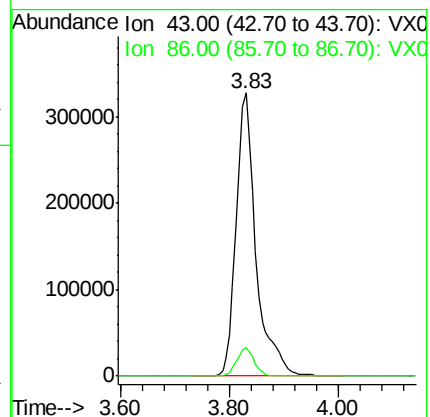
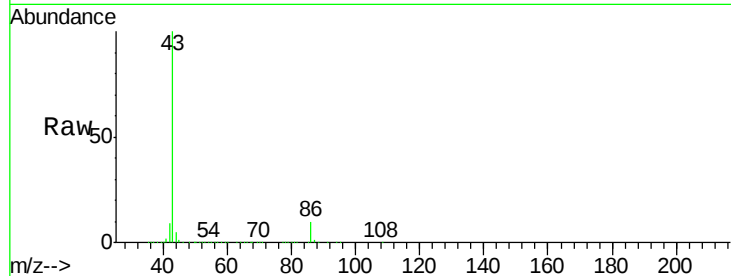
VX0709MBS01

Tot Ion: 43 Resp: 843354

Ion Ratio Lower Upper

43 100

86 9.9 7.4 11.0



#24

1,1-Dichloroethane

Concen: 19.13 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.00 min

Lab File: VX003249.D

Acq: 09 Jul 2018 16:57

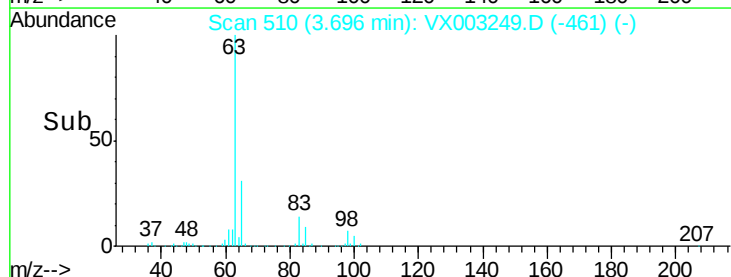
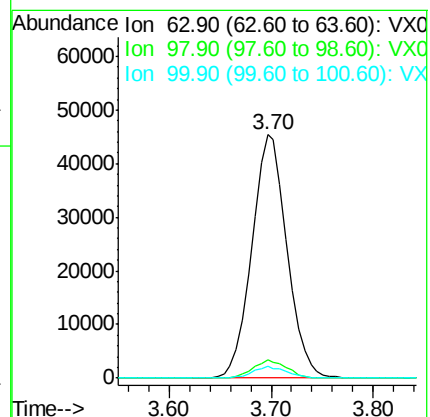
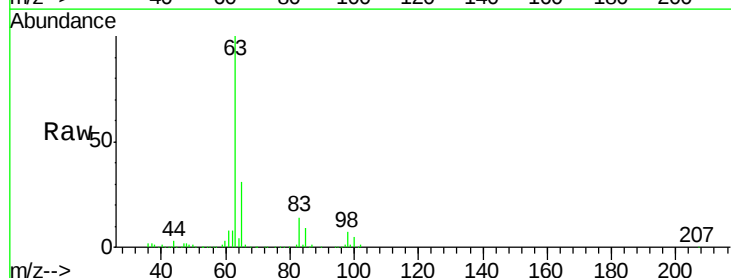
Tgt Ion: 63 Resp: 108553

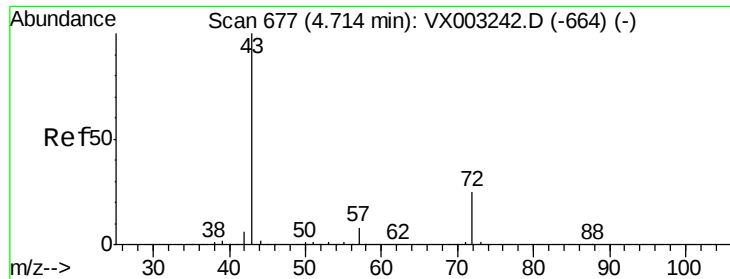
Ion Ratio Lower Upper

63 100

98 7.4 3.4 10.2

100 4.8 2.0 6.0





#25

2-Butanone

Concen: 99.90 ug/l

RT: 4.71 min Scan# 677

Delta R.T. -0.00 min

Lab File: VX003249.D

Acq: 09 Jul 2018 16:57

Instrument :

MSVOA_X

ClientSampleId :

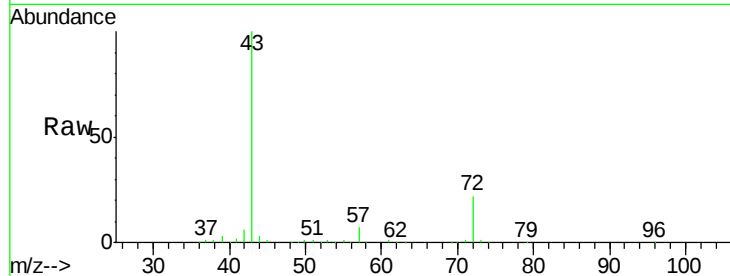
VX0709MBS01

Tot Ion: 43 Resp: 254238

Ion Ratio Lower Upper

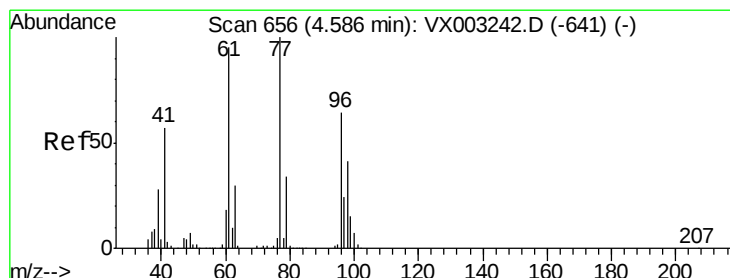
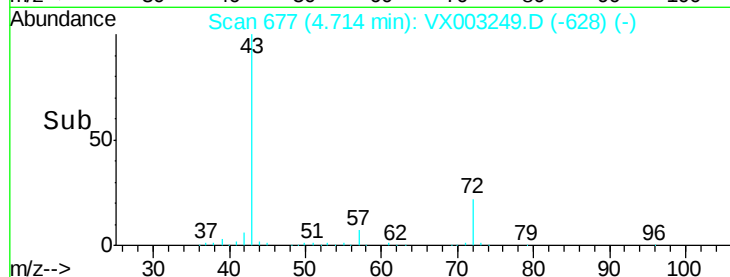
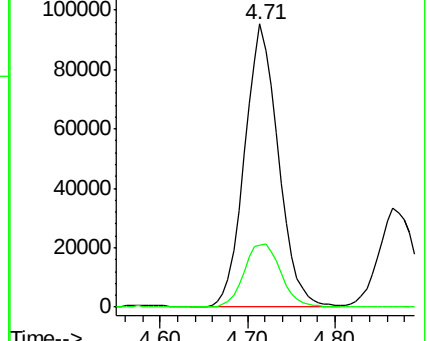
43 100

72 21.8 18.5 27.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 17.86 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.00 min

Lab File: VX003249.D

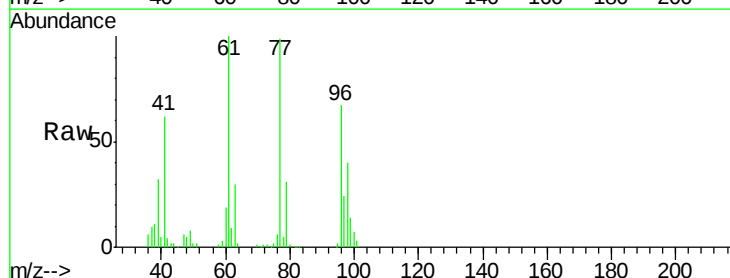
Acq: 09 Jul 2018 16:57

Tgt Ion: 77 Resp: 88636

Ion Ratio Lower Upper

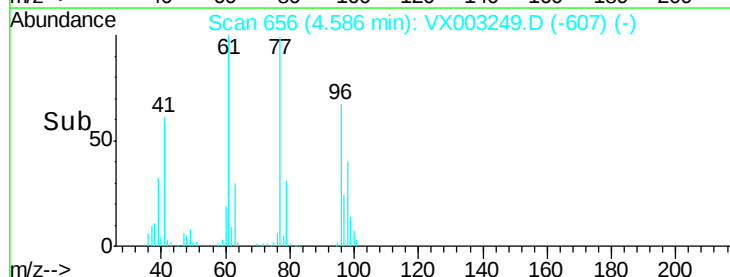
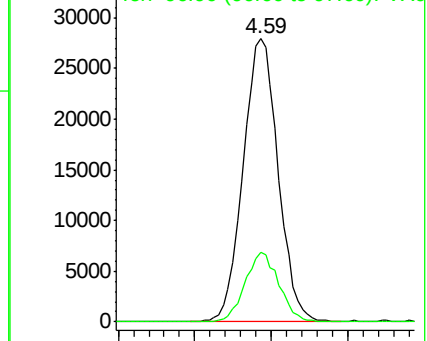
77 100

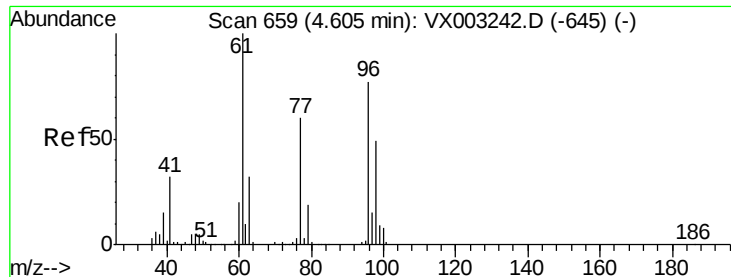
97 23.7 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



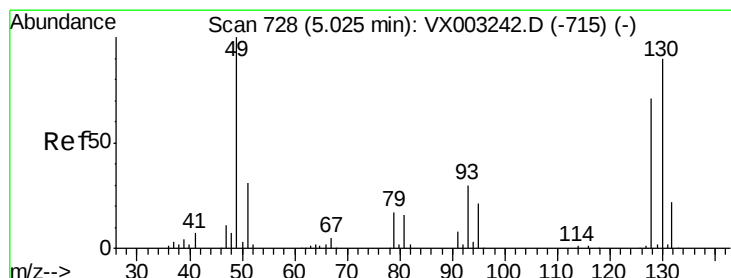
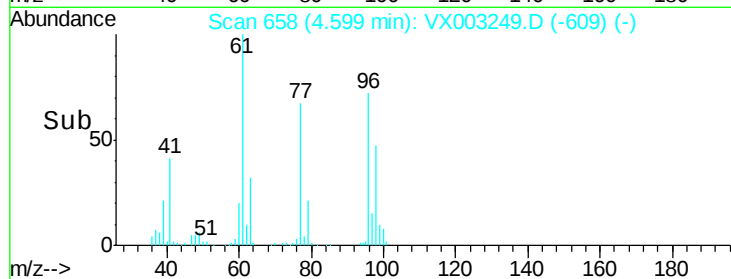
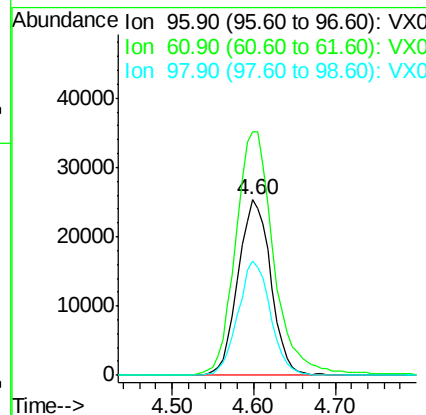
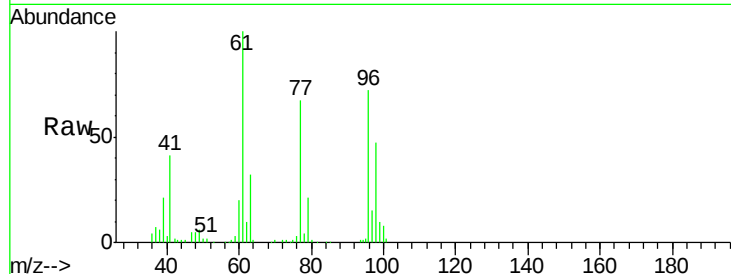


#27

cis-1,2-Dichloroethene
 Concen: 18.63 ug/l
 RT: 4.60 min Scan# 658
 Delta R.T. -0.00 min
 Lab File: VX003249.D
 Acq: 09 Jul 2018 16:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0709MBS01

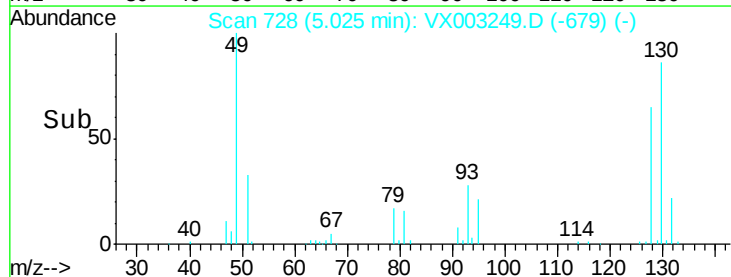
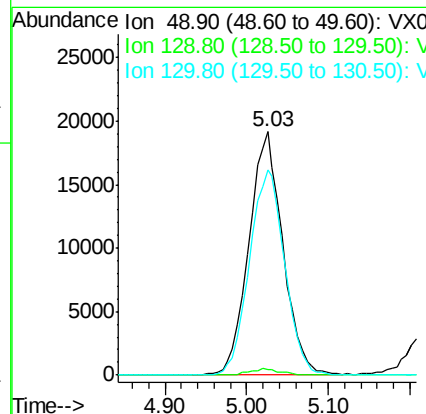
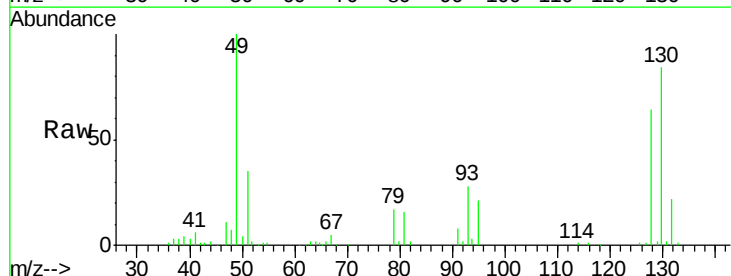
Tot Ion: 96 Resp: 70582
 Ion Ratio Lower Upper
 96 100
 61 162.2 0.0 330.2
 98 64.6 0.0 130.2

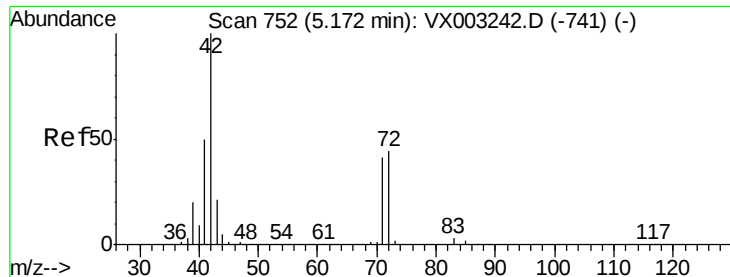


#28

Bromochloromethane
 Concen: 19.43 ug/l
 RT: 5.03 min Scan# 728
 Delta R.T. -0.00 min
 Lab File: VX003249.D
 Acq: 09 Jul 2018 16:57

Tgt Ion: 49 Resp: 55533
 Ion Ratio Lower Upper
 49 100
 129 2.3 0.0 4.2
 130 87.4 61.2 91.8





#29

Tetrahydrofuran

Concen: 98.19 ug/l

RT: 5.17 min Scan# 752

Delta R.T. -0.00 min

Lab File: VX003249.D

Acq: 09 Jul 2018 16:57

Instrument :

MSVOA_X

ClientSampleId :

VX0709MBS01

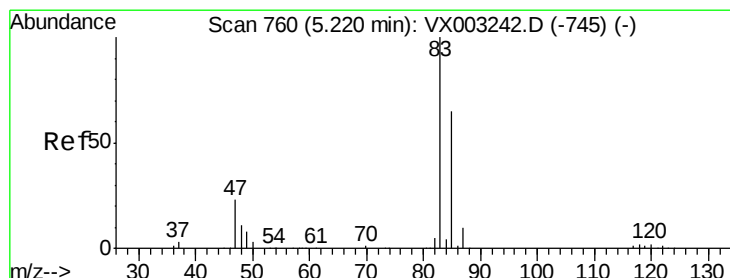
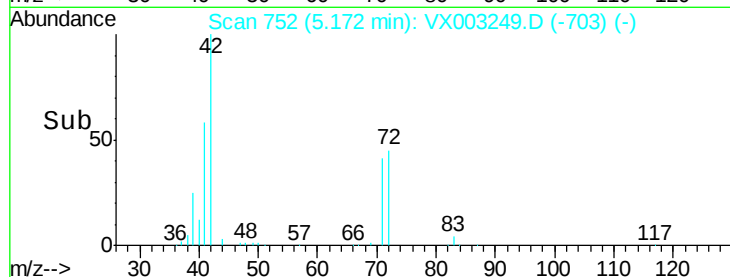
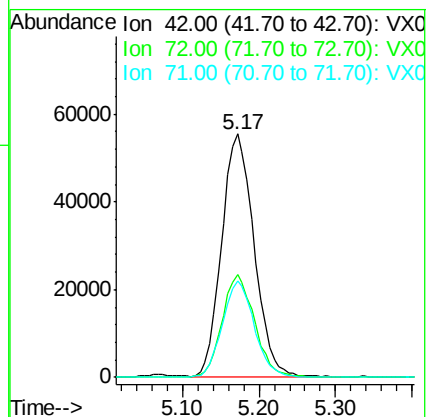
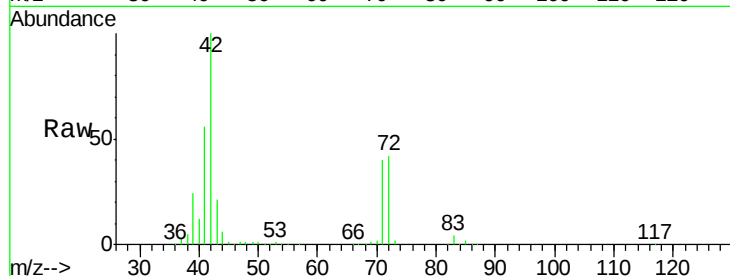
Tot Ion: 42 Resp: 162180

Ion Ratio Lower Upper

42 100

72 42.7 32.0 48.0

71 39.2 30.1 45.1



#30

Chloroform

Concen: 19.07 ug/l

RT: 5.22 min Scan# 760

Delta R.T. -0.00 min

Lab File: VX003249.D

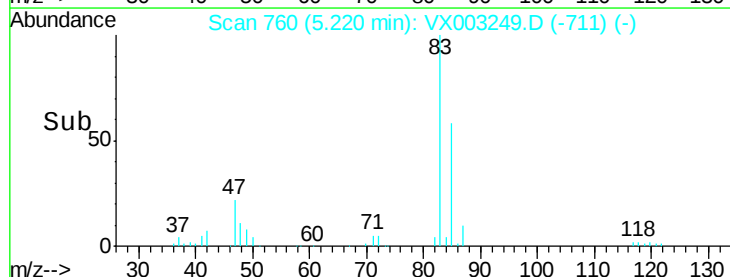
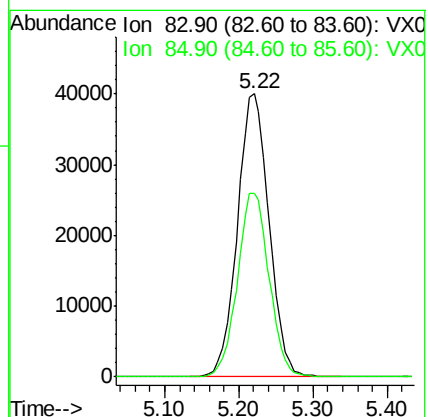
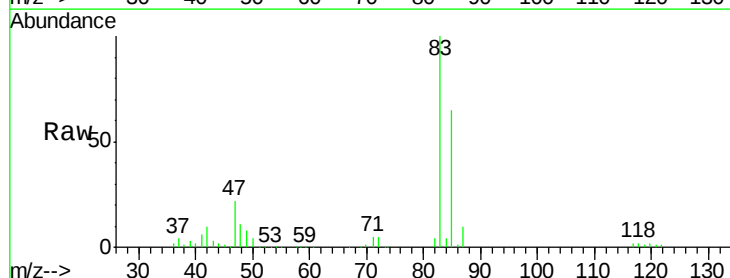
Acq: 09 Jul 2018 16:57

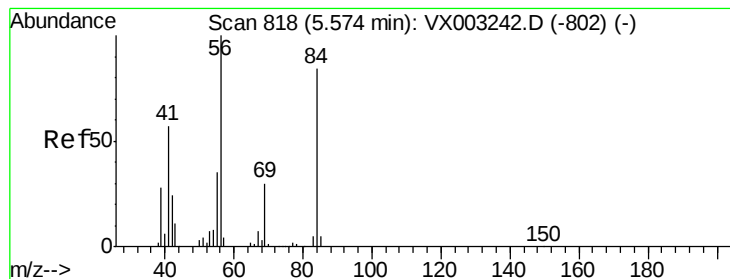
Tgt Ion: 83 Resp: 119038

Ion Ratio Lower Upper

83 100

85 64.8 50.4 75.6





#31

Cyclohexane

Concen: 19.18 ug/l

RT: 5.57 min Scan# 818

Delta R.T. -0.00 min

Lab File: VX003249.D

Acq: 09 Jul 2018 16:57

Instrument :

MSVOA_X

ClientSampleId :

VX0709MBS01

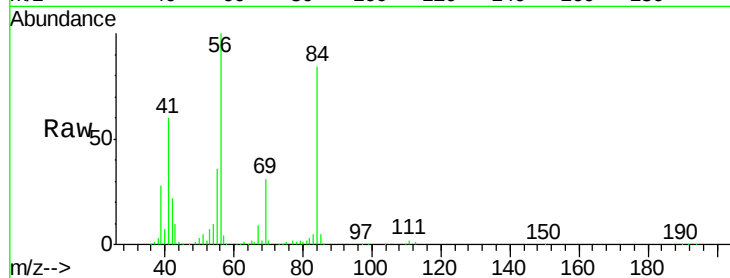
Tot Ion: 56 Resp: 101872

Ion Ratio Lower Upper

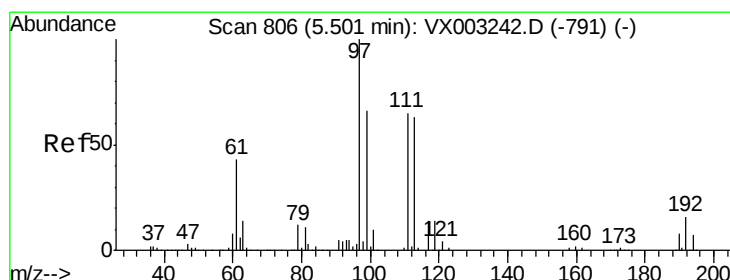
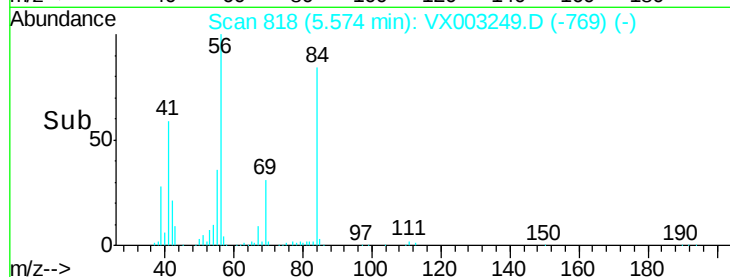
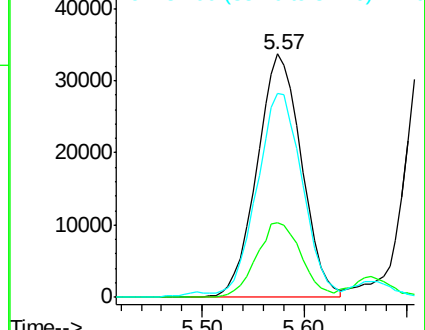
56 100

69 30.5 23.7 35.5

84 82.1 64.1 96.1



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 19.41 ug/l

RT: 5.50 min Scan# 806

Delta R.T. 0.01 min

Lab File: VX003249.D

Acq: 09 Jul 2018 16:57

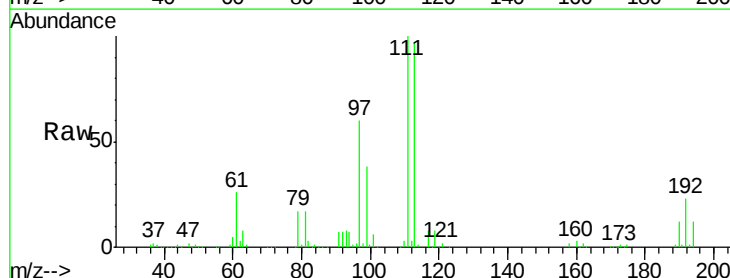
Tgt Ion: 97 Resp: 106882

Ion Ratio Lower Upper

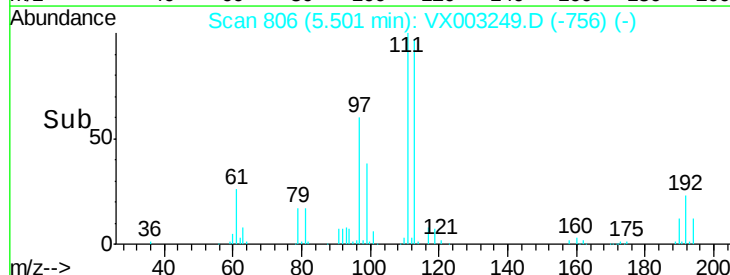
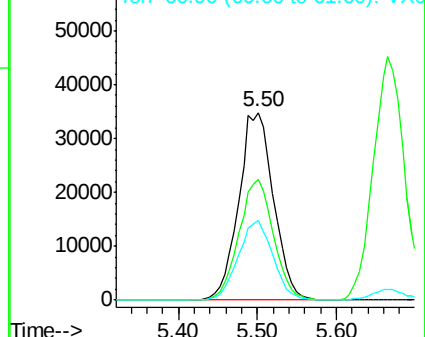
97 100

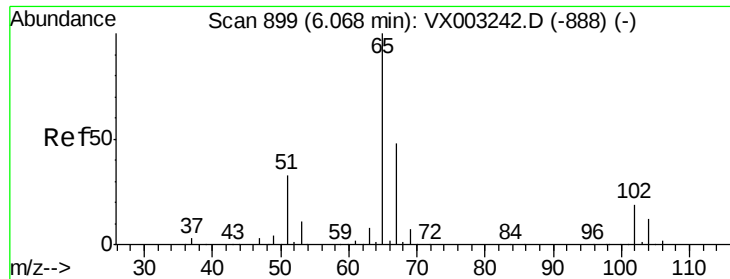
99 63.7 51.6 77.4

61 42.3 36.4 54.6



Abundance Ion 96.90 (96.60 to 97.60): VX0
Ion 98.90 (98.60 to 99.60): VX0
Ion 60.90 (60.60 to 61.60): VX0

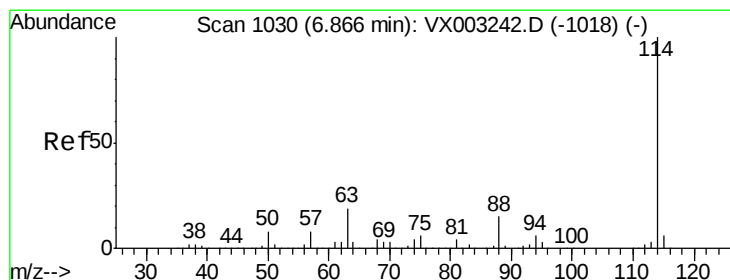
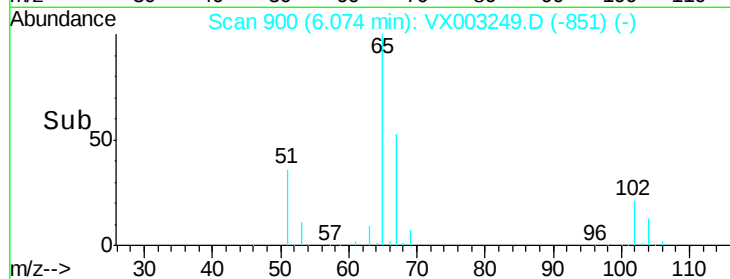
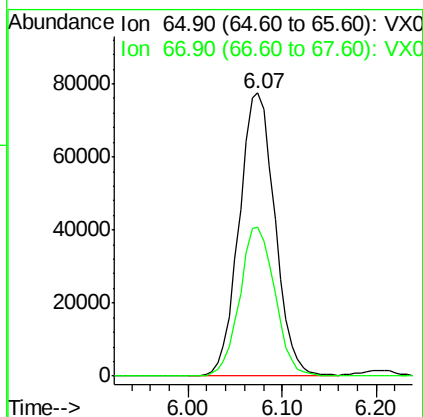
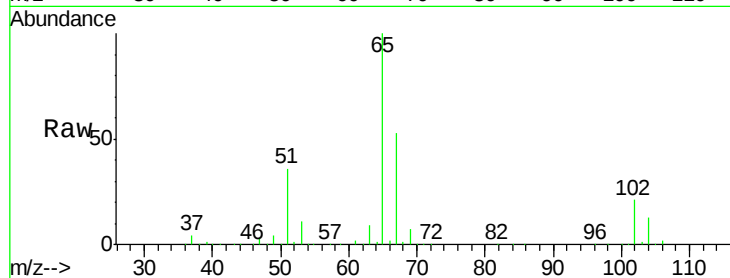




#33
 1,2-Dichloroethane-d4
 Concen: 50.53 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VX003249.D
 Acq: 09 Jul 2018 16:57

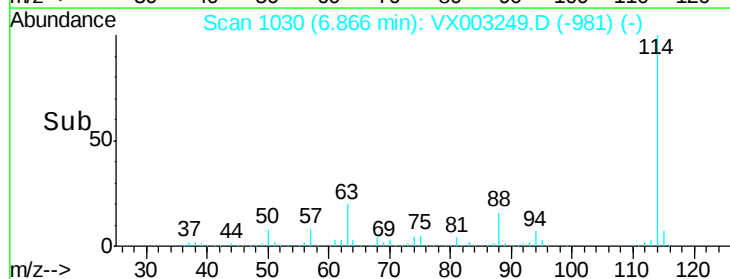
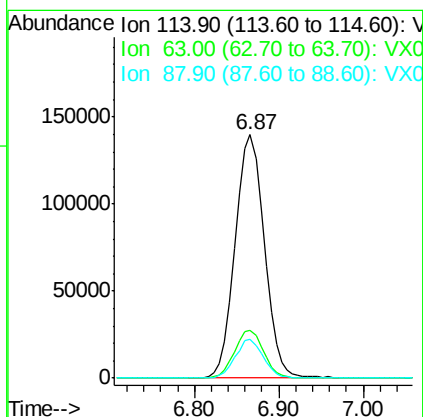
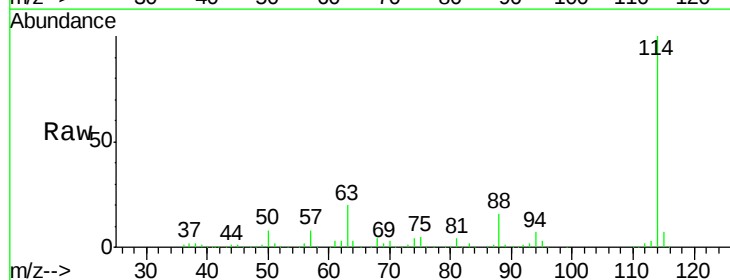
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0709MBS01

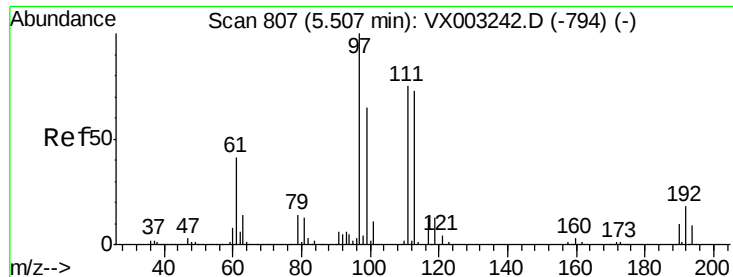
Tot Ion: 65 Resp: 204687
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX003249.D
 Acq: 09 Jul 2018 16:57

Tgt Ion: 114 Resp: 328334
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 41.4
 88 15.8 0.0 30.0

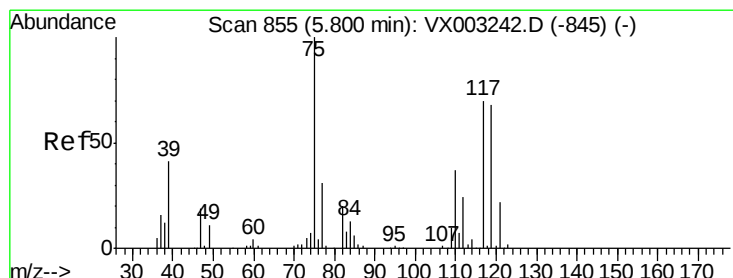
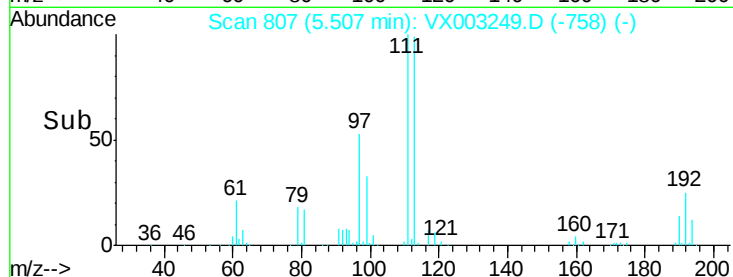
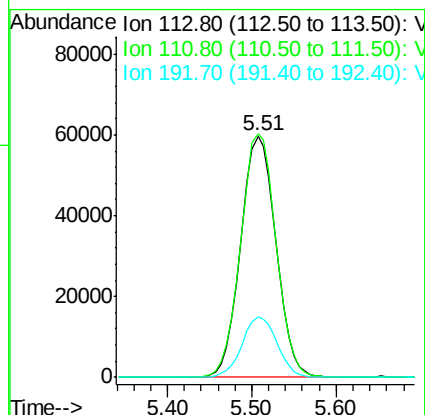
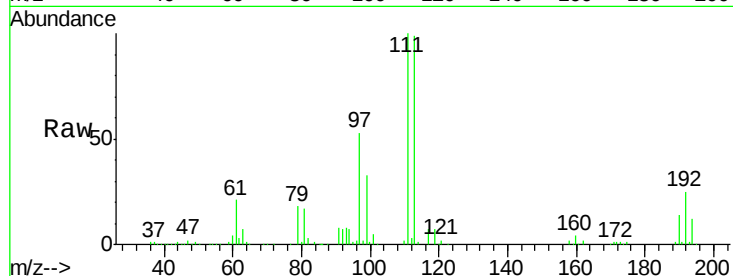




#35
 Dibromofluoromethane
 Concen: 47.86 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. -0.00 min
 Lab File: VX003249.D
 Acq: 09 Jul 2018 16:57

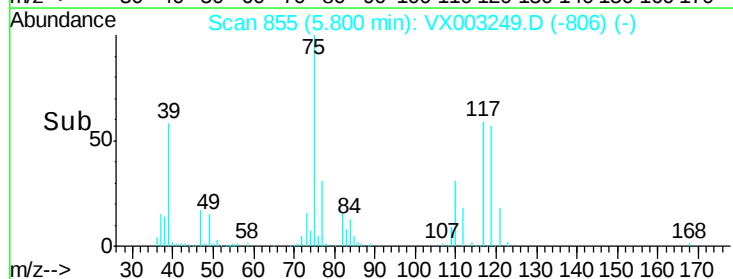
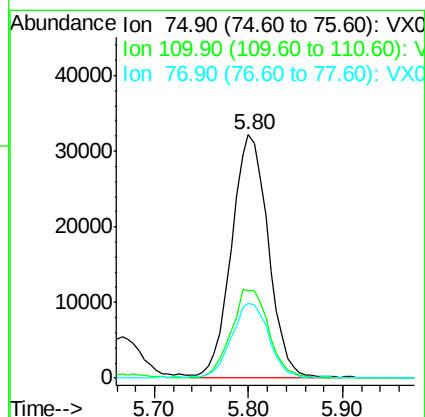
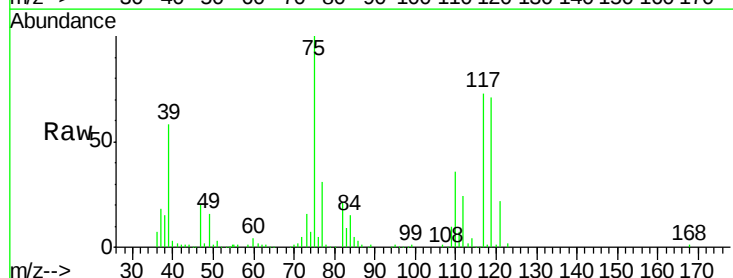
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0709MBS01

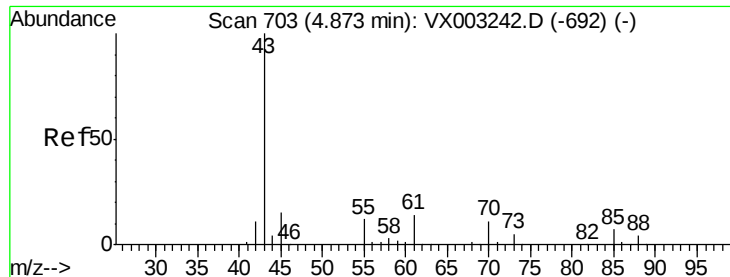
Tot Ion:113 Resp: 168822
 Ion Ratio Lower Upper
 113 100
 111 101.9 81.4 122.0
 192 25.0 19.1 28.7



#36
 1,1-Dichloropropene
 Concen: 18.71 ug/l
 RT: 5.80 min Scan# 855
 Delta R.T. -0.00 min
 Lab File: VX003249.D
 Acq: 09 Jul 2018 16:57

Tgt Ion: 75 Resp: 86957
 Ion Ratio Lower Upper
 75 100
 110 37.5 18.1 54.4
 77 30.8 24.3 36.5

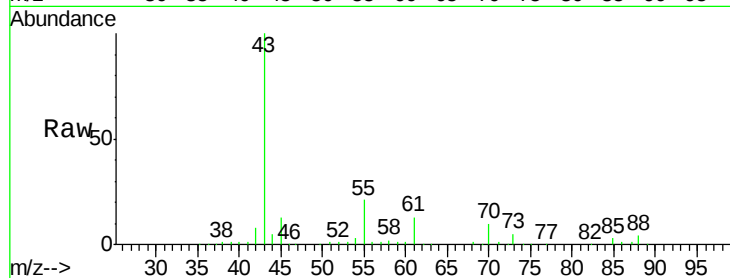




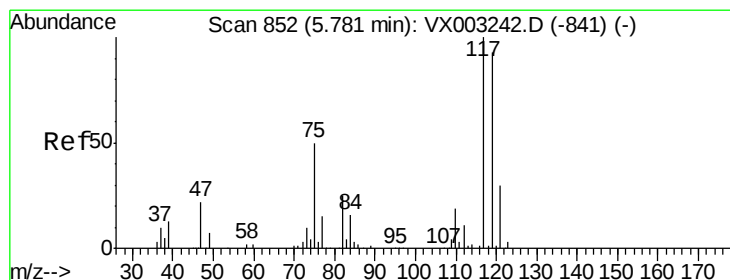
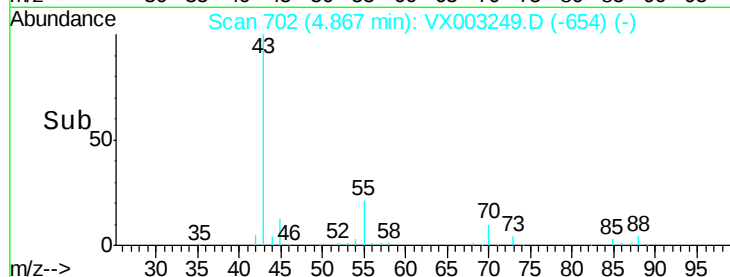
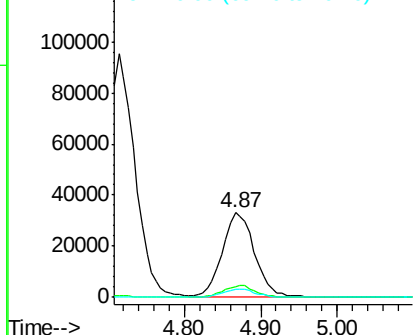
#37
Ethyl Acetate
Concen: 18.79 ug/l
RT: 4.87 min Scan# 702
Delta R.T. -0.01 min
Lab File: VX003249.D
Acq: 09 Jul 2018 16:57

Instrument :
MSVOA_X
ClientSampleId :
VX0709MBS01

Tot Ion: 43 Resp: 95734
Ion Ratio Lower Upper
43 100
61 13.6 10.4 15.6
70 10.2 7.6 11.4

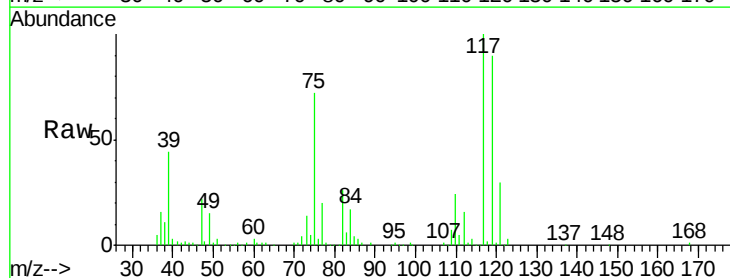


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 70.00 (69.70 to 70.70): VX0

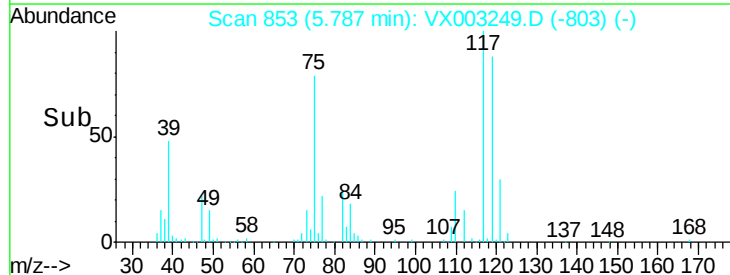
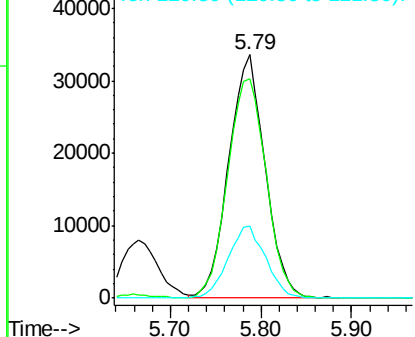


#38
Carbon Tetrachloride
Concen: 18.35 ug/l
RT: 5.79 min Scan# 853
Delta R.T. 0.01 min
Lab File: VX003249.D
Acq: 09 Jul 2018 16:57

Tgt Ion: 117 Resp: 93288
Ion Ratio Lower Upper
117 100
119 90.1 77.4 116.0
121 29.7 24.4 36.6



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

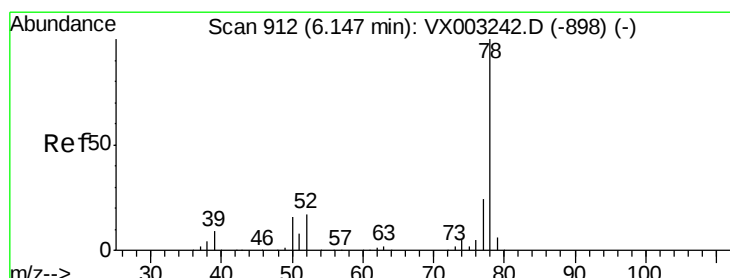
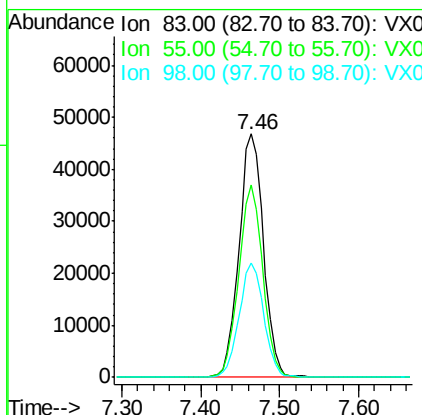
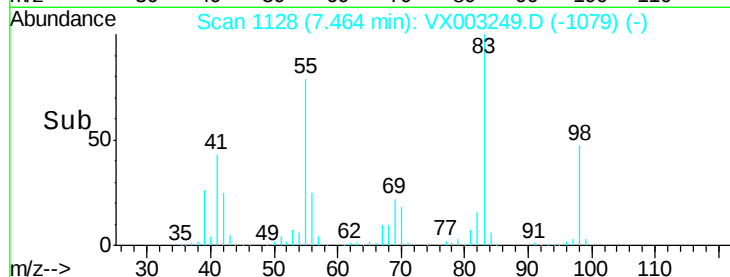
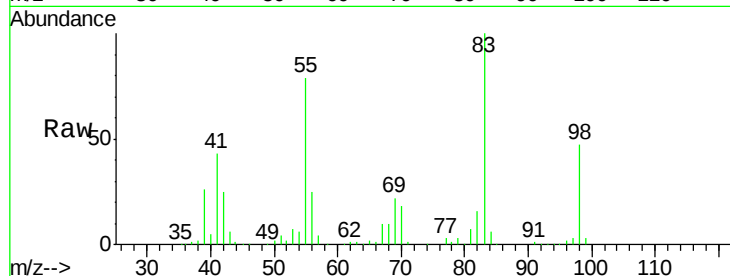




#39
Methvlcvclohexane
Concen: 18.45 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX003249.D
Acq: 09 Jul 2018 16:57

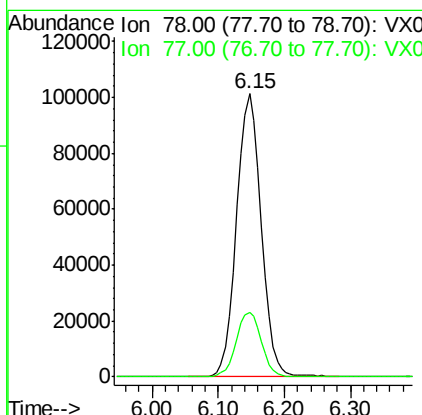
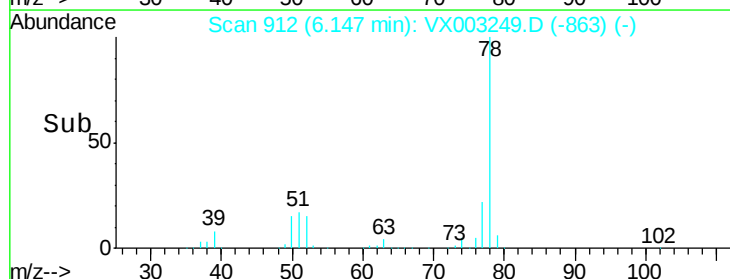
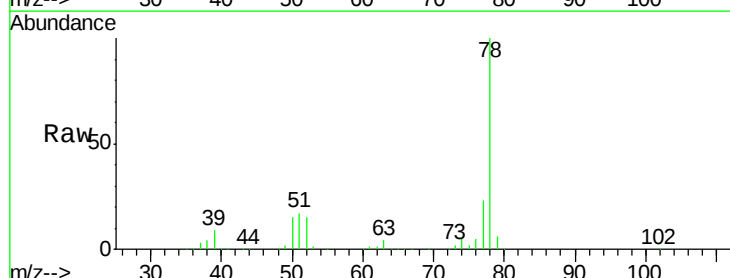
Instrument :
MSVOA_X
ClientSampleId :
VX0709MBS01

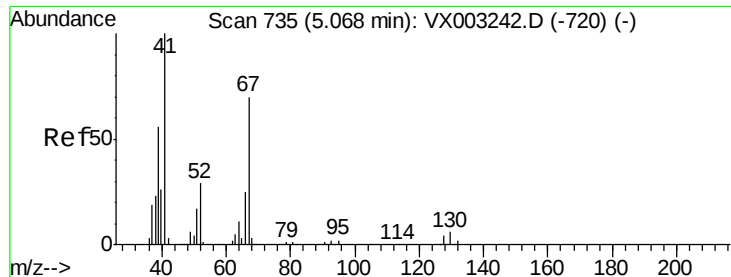
Tot Ion: 83 Resp: 101017
Ion Ratio Lower Upper
83 100
55 79.0 65.4 98.0
98 47.2 37.4 56.0



#40
Benzene
Concen: 19.08 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.00 min
Lab File: VX003249.D
Acq: 09 Jul 2018 16:57

Tgt Ion: 78 Resp: 262766
Ion Ratio Lower Upper
78 100
77 22.7 19.1 28.7





#41

Methacrylonitrile

Concen: 19.27 ug/l

RT: 5.07 min Scan# 735

Delta R.T. -0.00 min

Lab File: VX003249.D

Acq: 09 Jul 2018 16:57

Instrument :

MSVOA_X

ClientSampleId :

VX0709MBS01

Tot Ion: 41 Resp: 53757

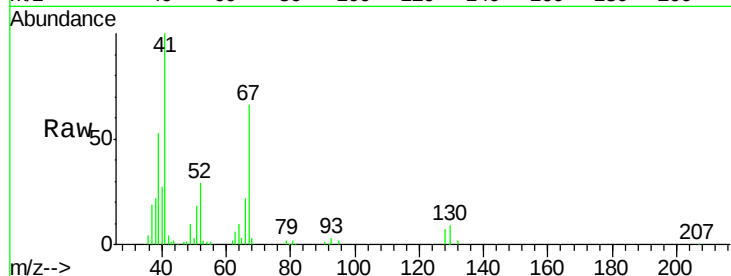
Ion Ratio Lower Upper

41 100

39 54.7 45.8 68.6

67 69.5 51.3 76.9

52 30.0 23.0 34.6

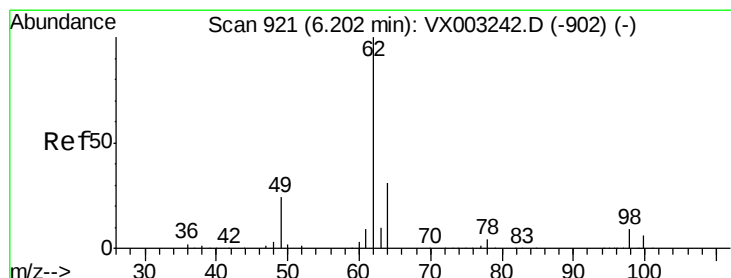
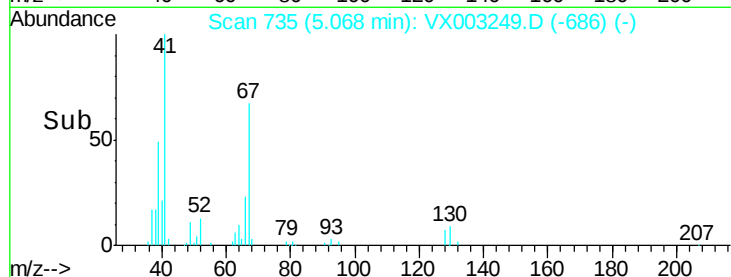
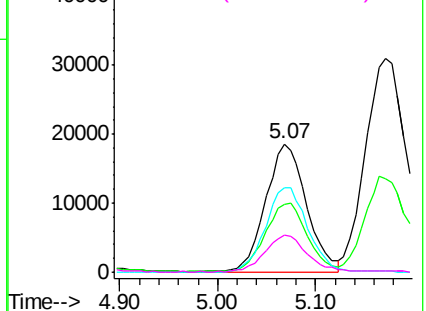


Abundance Ion 41.00 (40.70 to 41.70): VX0

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: 18.60 ug/l

RT: 6.20 min Scan# 921

Delta R.T. -0.00 min

Lab File: VX003249.D

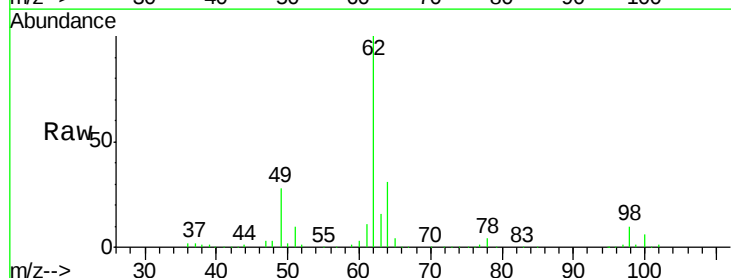
Acq: 09 Jul 2018 16:57

Tgt Ion: 62 Resp: 95741

Ion Ratio Lower Upper

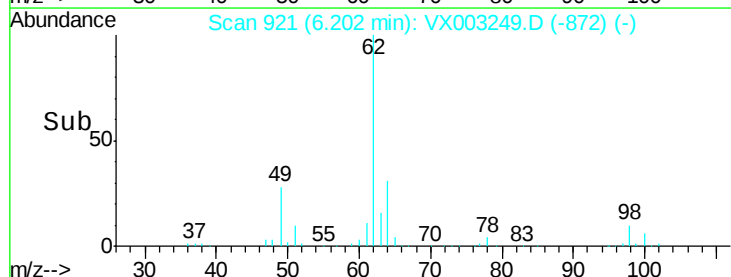
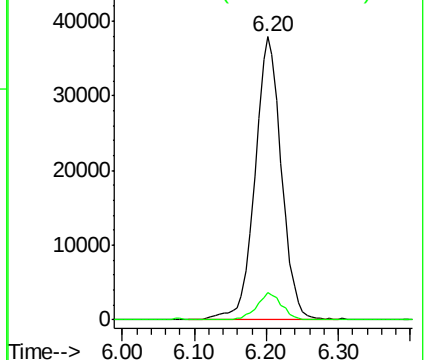
62 100

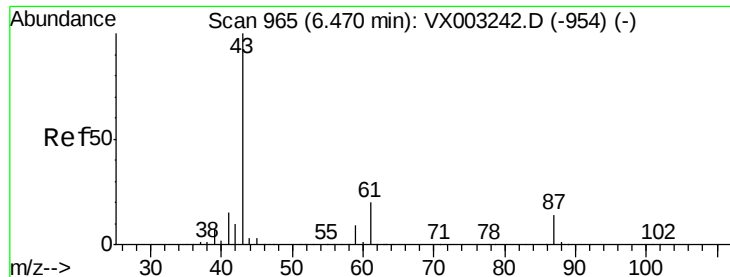
98 9.1 0.0 16.6



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



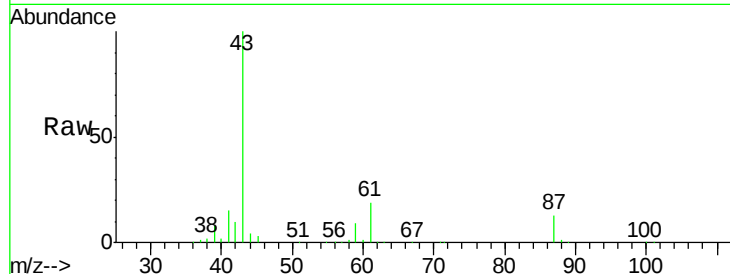


#43

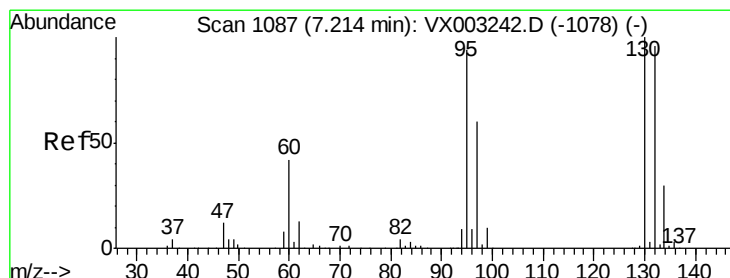
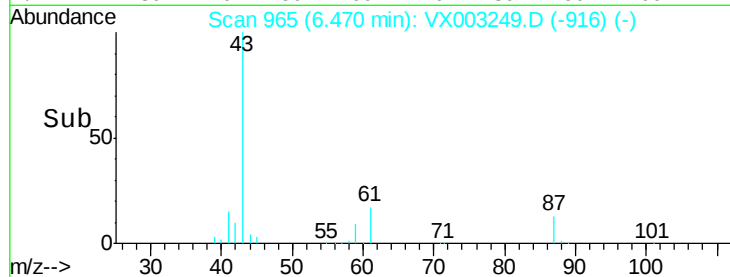
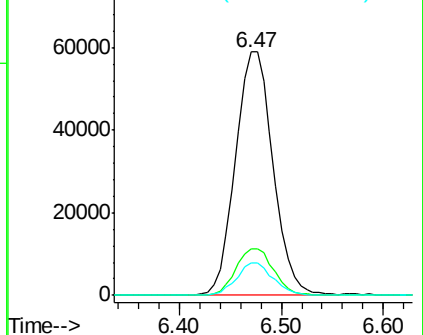
Isopropyl Acetate
 Concen: 18.71 ug/l
 RT: 6.47 min Scan# 965
 Delta R.T. -0.00 min
 Lab File: VX003249.D
 Acq: 09 Jul 2018 16:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0709MBS01

Tot Ion: 43 Resp: 149743
 Ion Ratio Lower Upper
 43 100
 61 19.4 14.4 21.6
 87 13.1 9.5 14.3



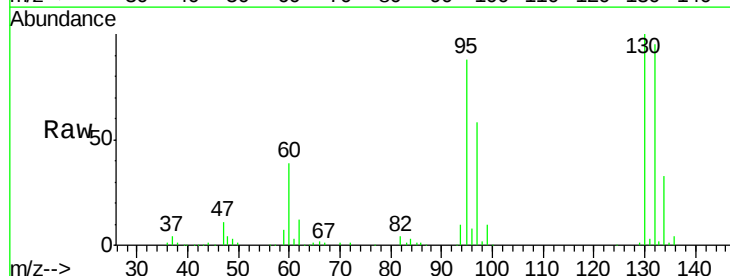
Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 61.00 (60.70 to 61.70): VX0
 Ion 87.00 (86.70 to 87.70): VX0



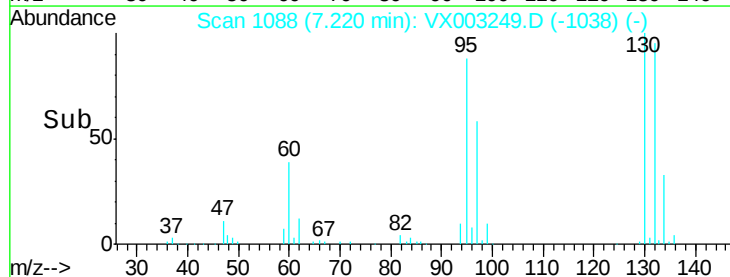
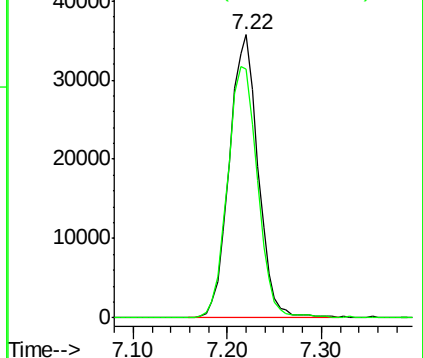
#44

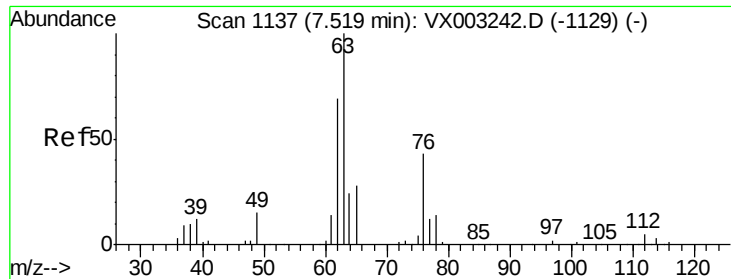
Trichloroethene
 Concen: 18.66 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. 0.01 min
 Lab File: VX003249.D
 Acq: 09 Jul 2018 16:57

Tgt Ion:130 Resp: 75996
 Ion Ratio Lower Upper
 130 100
 95 88.1 0.0 185.4



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

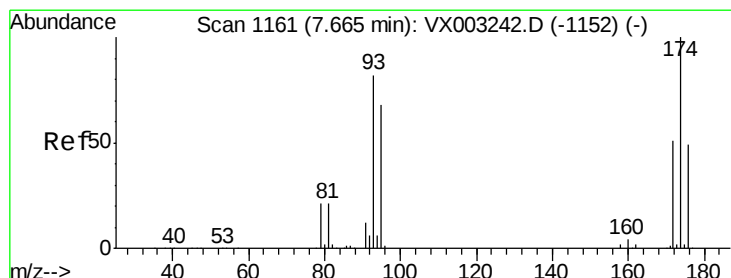
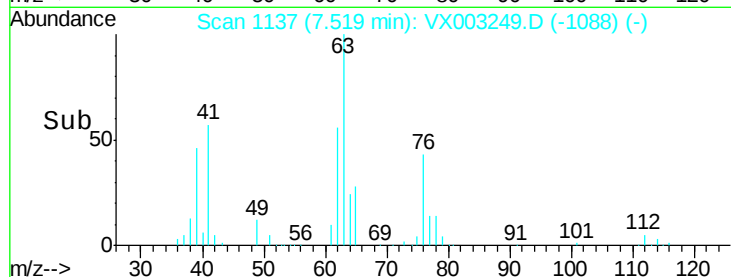
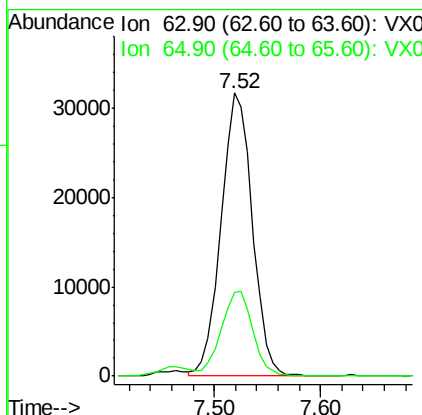
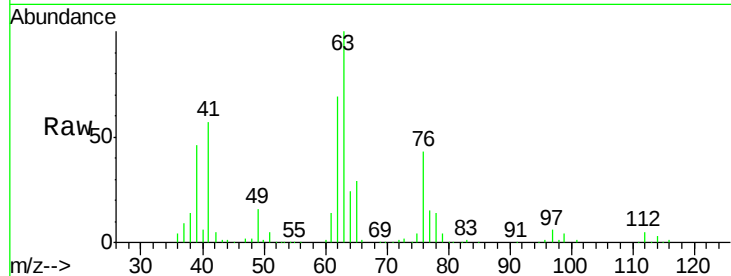




#45
 1,2-Dichloropropane
 Concen: 18.07 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. -0.00 min
 Lab File: VX003249.D
 Acq: 09 Jul 2018 16:57

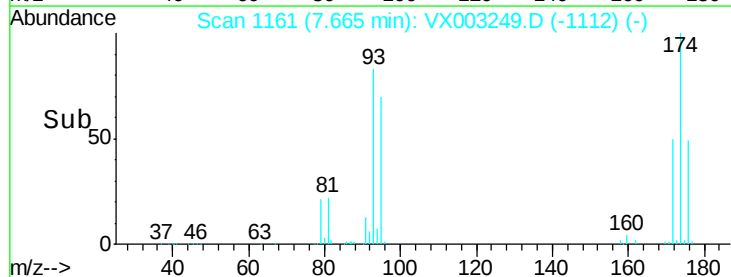
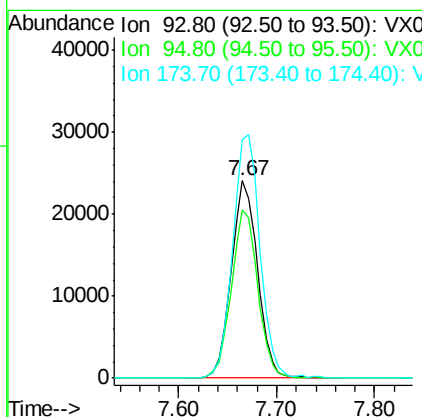
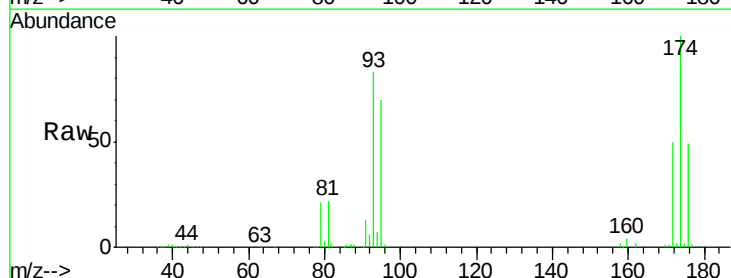
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0709MBS01

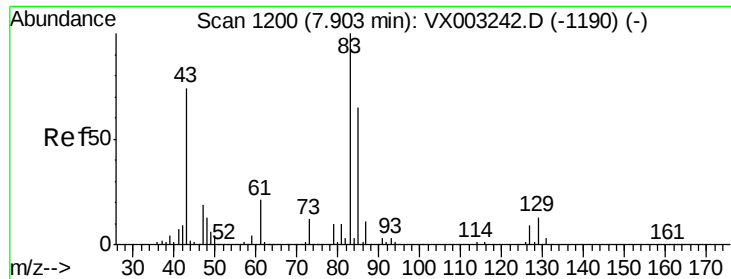
Tot Ion: 63 Resp: 64711
 Ion Ratio Lower Upper
 63 100
 65 29.5 24.7 37.1



#46
 Dibromomethane
 Concen: 18.46 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. -0.00 min
 Lab File: VX003249.D
 Acq: 09 Jul 2018 16:57

Tgt Ion: 93 Resp: 45067
 Ion Ratio Lower Upper
 93 100
 95 85.4 65.9 98.9
 174 127.9 92.4 138.6





#47

Bromodichloromethane

Concen: 18.12 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX003249.D

Acq: 09 Jul 2018 16:57

Instrument :

MSVOA_X

ClientSampleId :

VX0709MBS01

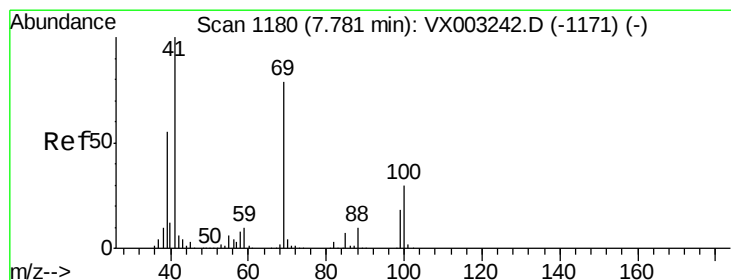
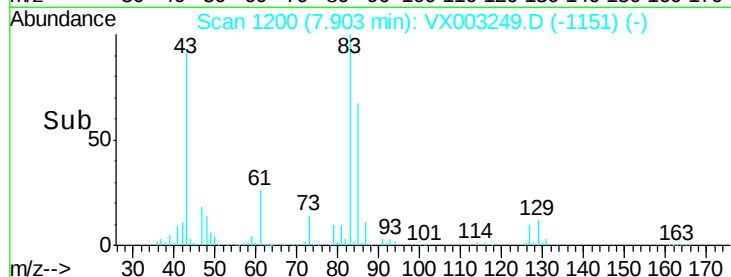
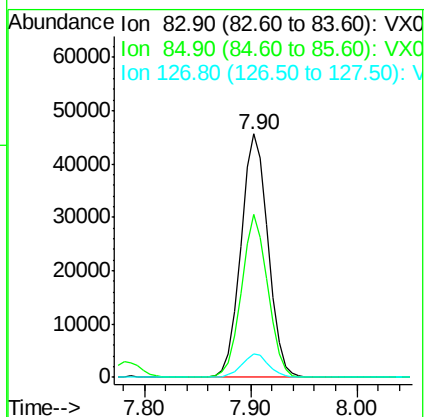
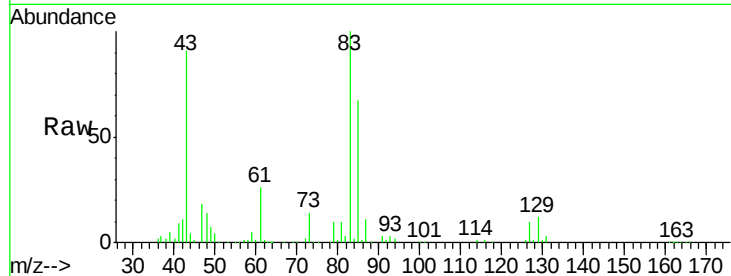
Tot Ion: 83 Resp: 81595

Ion Ratio Lower Upper

83 100

85 67.0 50.3 75.5

127 9.8 7.0 10.4



#48

Methyl methacrylate

Concen: 18.96 ug/l

RT: 7.78 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VX003249.D

Acq: 09 Jul 2018 16:57

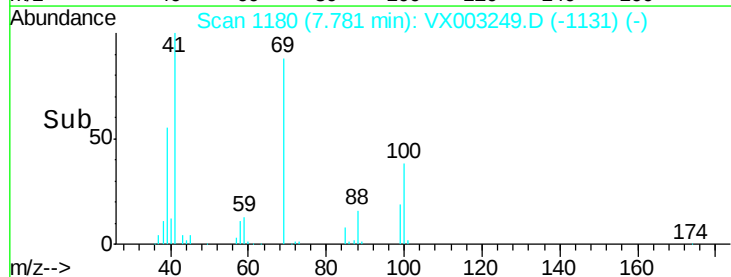
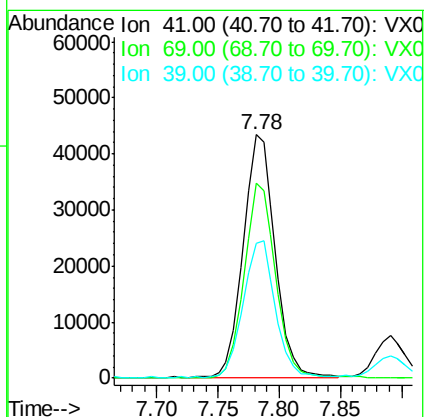
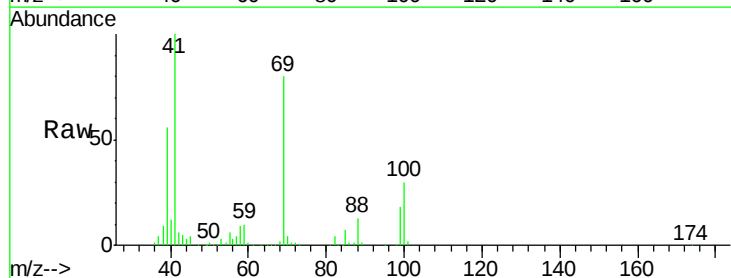
Tgt Ion: 41 Resp: 77815

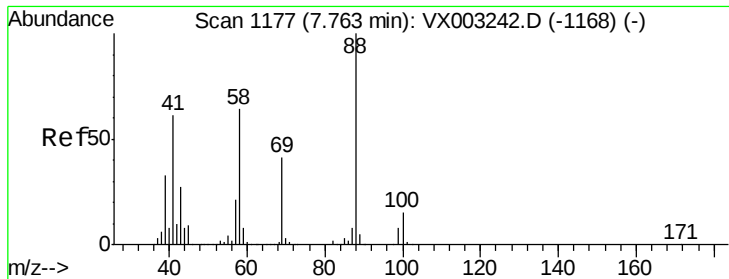
Ion Ratio Lower Upper

41 100

69 79.6 59.1 88.7

39 57.0 48.9 73.3

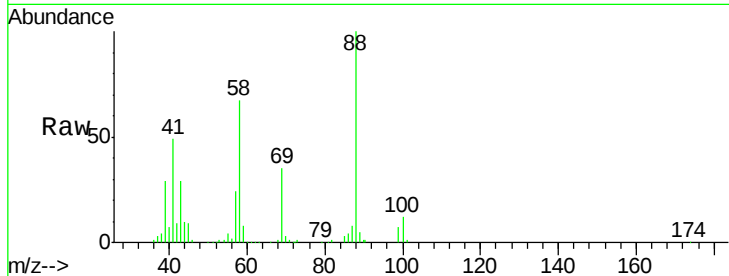




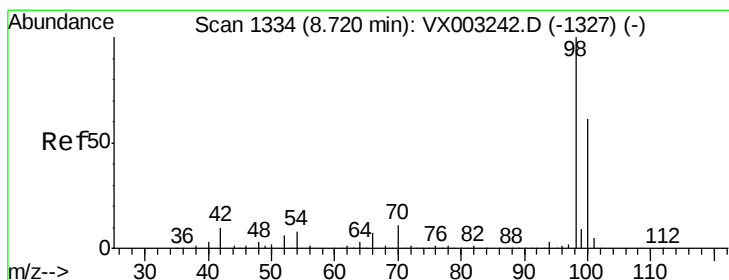
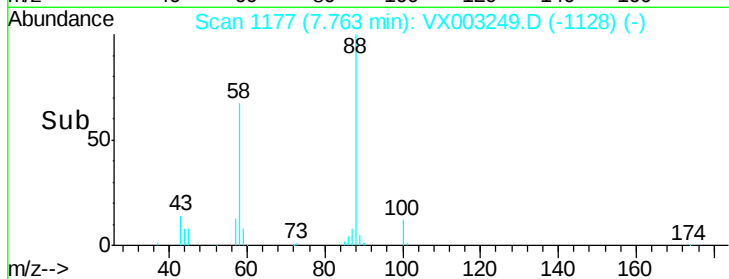
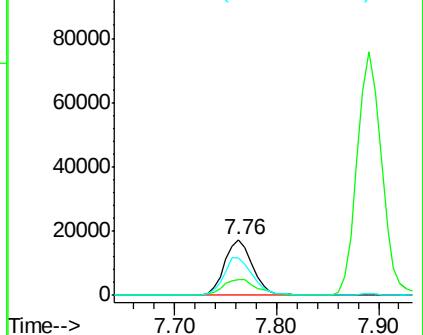
#49
 1,4-Dioxane
 Concen: 380.43 ug/l
 RT: 7.76 min Scan# 1177
 Delta R.T. -0.00 min
 Lab File: VX003249.D
 Acq: 09 Jul 2018 16:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0709MBS01

Tot Ion: 88 Resp: 32643
 Ion Ratio Lower Upper
 88 100
 43 33.8 29.8 44.6
 58 71.8 57.1 85.7

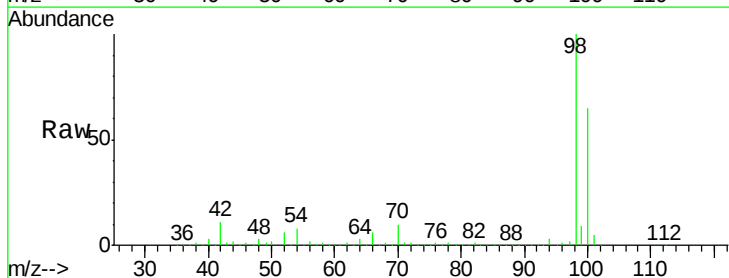


Abundance Ion 88.00 (87.70 to 88.70): VX0
 Ion 43.00 (42.70 to 43.70): VX0
 Ion 58.00 (57.70 to 58.70): VX0

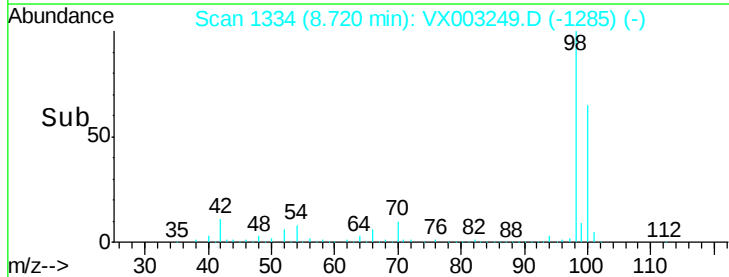
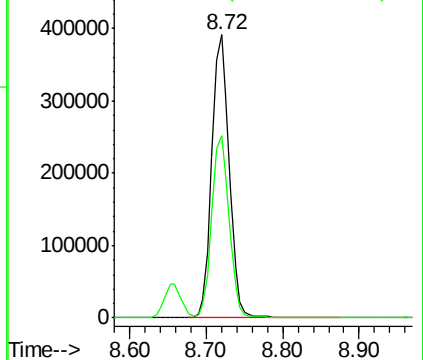


#50
 Toluene-d8
 Concen: 49.42 ug/l
 RT: 8.72 min Scan# 1334
 Delta R.T. -0.00 min
 Lab File: VX003249.D
 Acq: 09 Jul 2018 16:57

Tgt Ion: 98 Resp: 619133
 Ion Ratio Lower Upper
 98 100
 100 64.9 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0
 Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 98.92 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. -0.01 min

Lab File: VX003249.D

Acq: 09 Jul 2018 16:57

Instrument :

MSVOA_X

ClientSampleId :

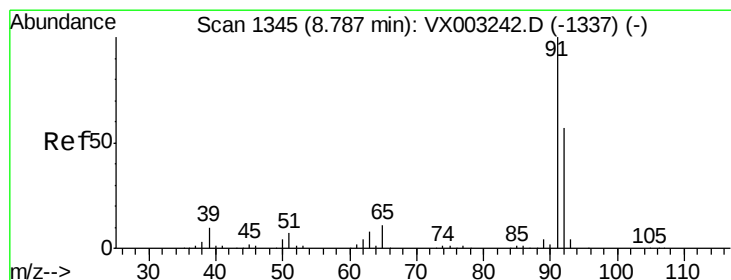
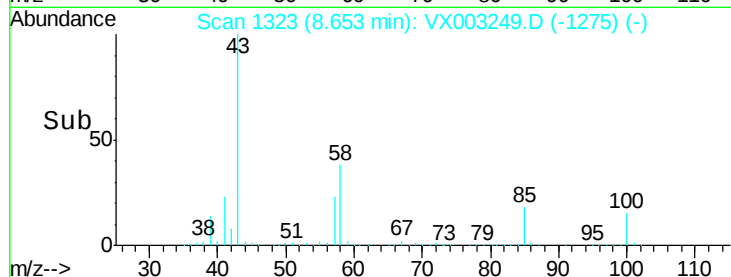
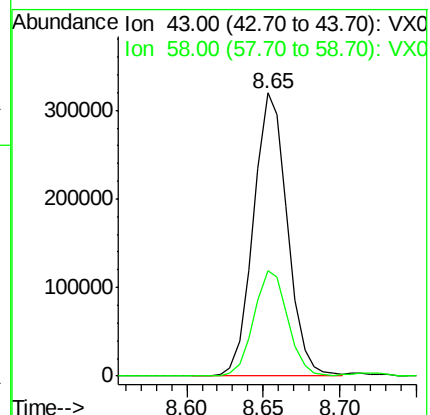
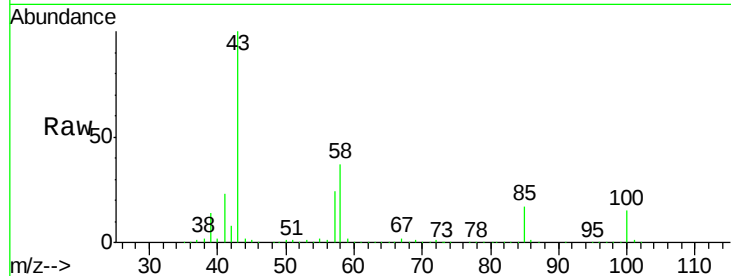
VX0709MBS01

Tot Ion: 43 Resp: 492760

Ion Ratio Lower Upper

43 100

58 37.4 28.6 42.8



#52

Toluene

Concen: 19.01 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX003249.D

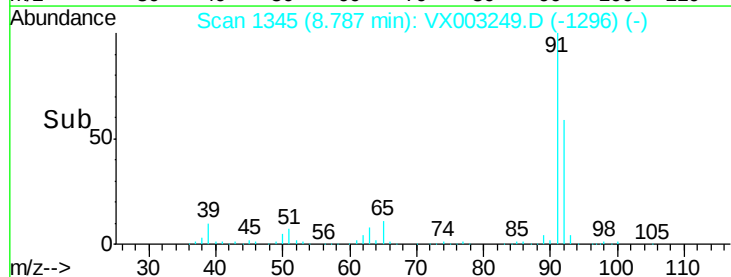
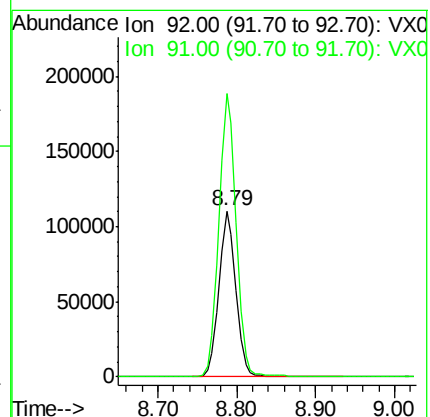
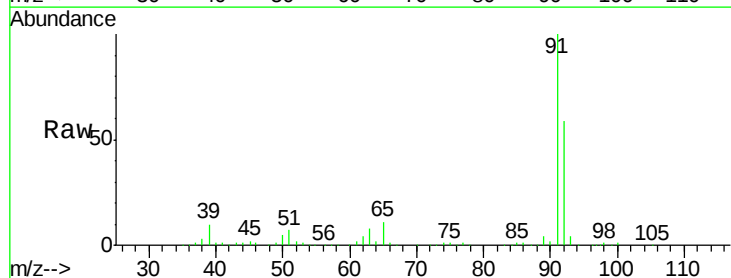
Acq: 09 Jul 2018 16:57

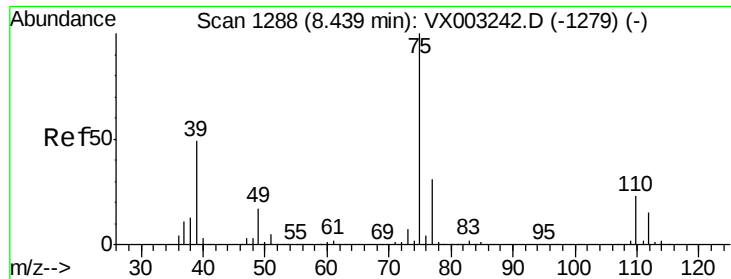
Tgt Ion: 92 Resp: 165518

Ion Ratio Lower Upper

92 100

91 174.7 140.4 210.6

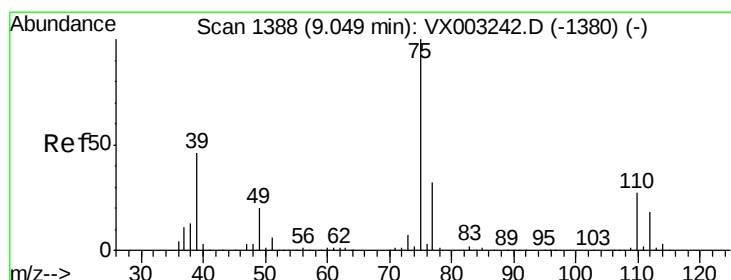
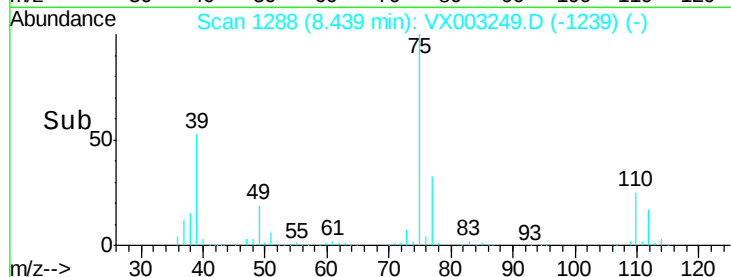
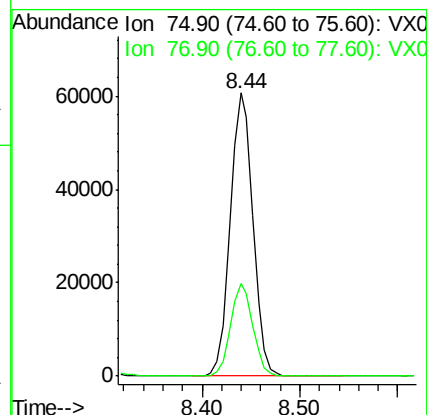
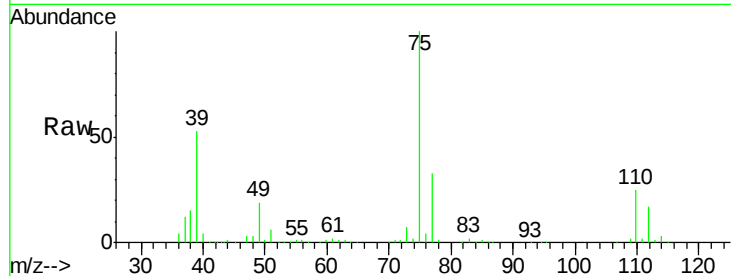




#53
 t-1,3-Dichloropropene
 Concen: 18.39 ug/l
 RT: 8.44 min Scan# 1288
 Delta R.T. -0.00 min
 Lab File: VX003249.D
 Acq: 09 Jul 2018 16:57

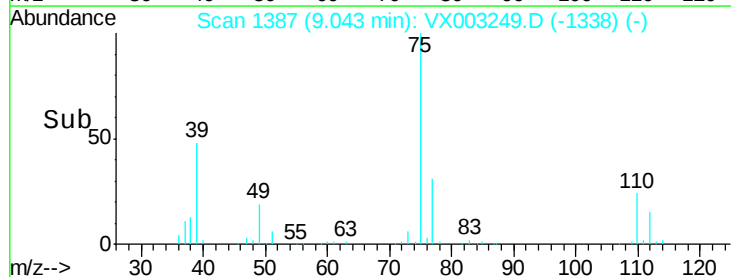
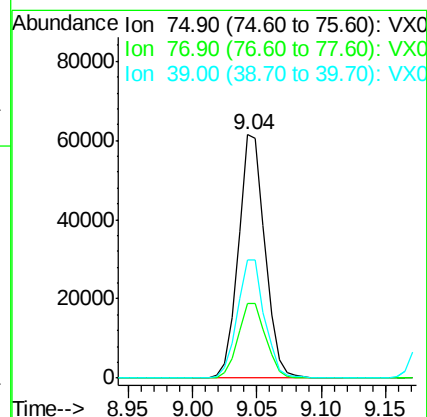
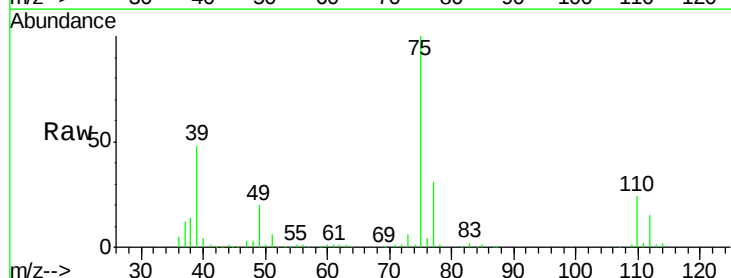
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0709MBS01

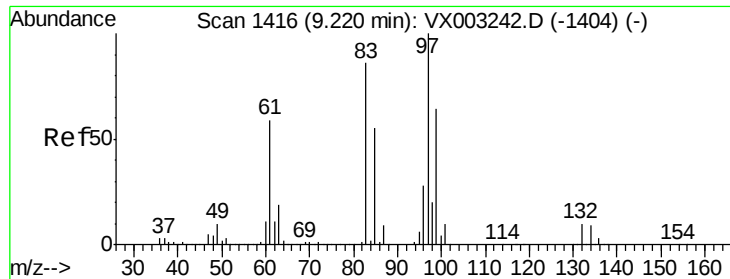
Tot Ion: 75 Resp: 97475
 Ion Ratio Lower Upper
 75 100
 77 32.9 25.4 38.2



#54
 cis-1,3-Dichloropropene
 Concen: 18.32 ug/l
 RT: 9.04 min Scan# 1387
 Delta R.T. -0.00 min
 Lab File: VX003249.D
 Acq: 09 Jul 2018 16:57

Tgt Ion: 75 Resp: 88357
 Ion Ratio Lower Upper
 75 100
 77 30.6 24.8 37.2
 39 48.2 42.4 63.6





#55

1,1,2-Trichloroethane

Concen: 18.49 ug/l

RT: 9.22 min Scan# 1416

Delta R.T. -0.00 min

Lab File: VX003249.D

Acq: 09 Jul 2018 16:57

Instrument :

MSVOA_X

ClientSampleId :

VX0709MBS01

Tot Ion: 97 Resp: 66774

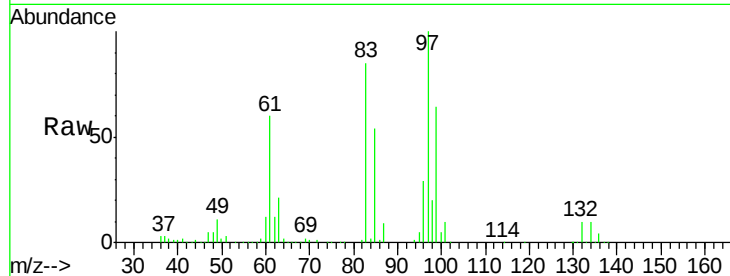
Ion Ratio Lower Upper

97 100

83 84.7 70.2 105.2

85 53.8 44.9 67.3

99 63.7 49.8 74.8

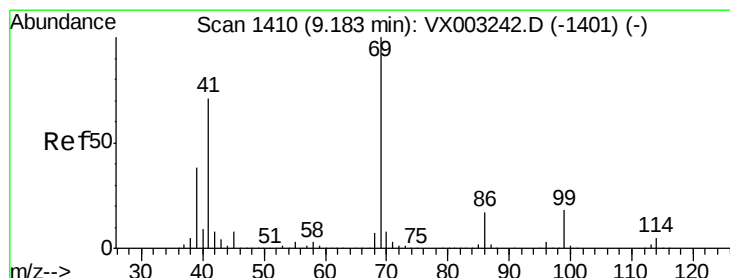
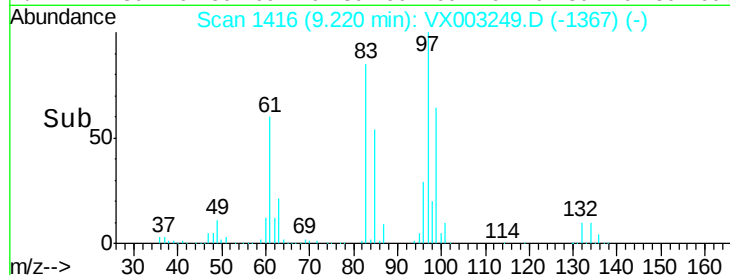
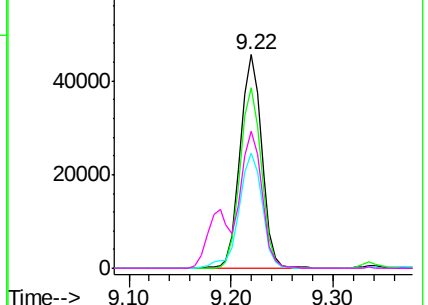


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56

Ethyl methacrylate

Concen: 18.80 ug/l

RT: 9.18 min Scan# 1410

Delta R.T. -0.00 min

Lab File: VX003249.D

Acq: 09 Jul 2018 16:57

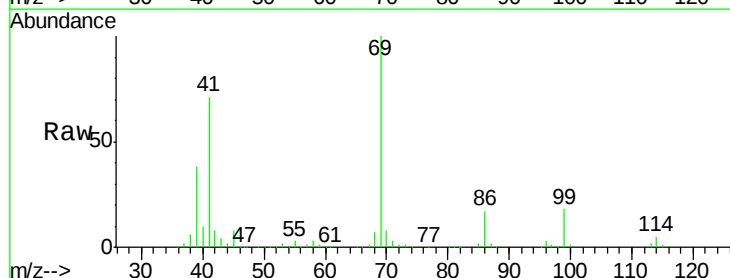
Tgt Ion: 69 Resp: 93011

Ion Ratio Lower Upper

69 100

41 70.4 60.3 90.5

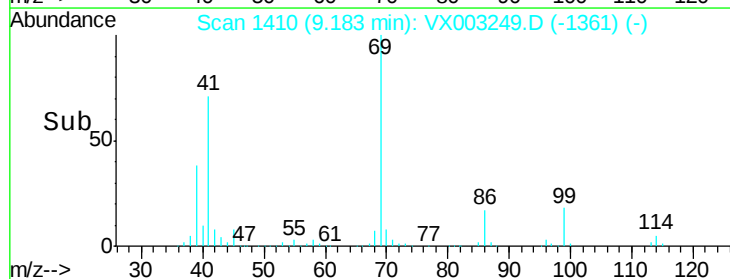
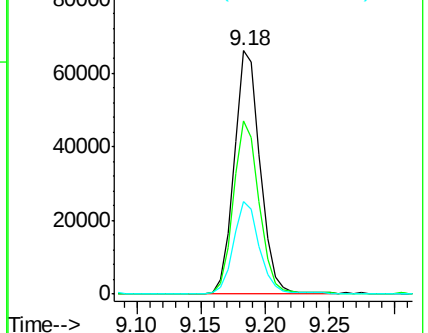
39 38.0 35.8 53.8

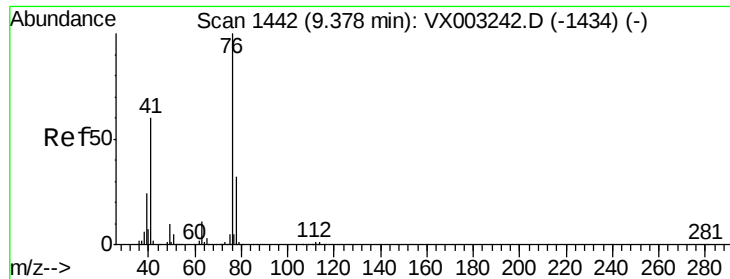


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 18.76 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VX003249.D

Acq: 09 Jul 2018 16:57

Instrument :

MSVOA_X

ClientSampleId :

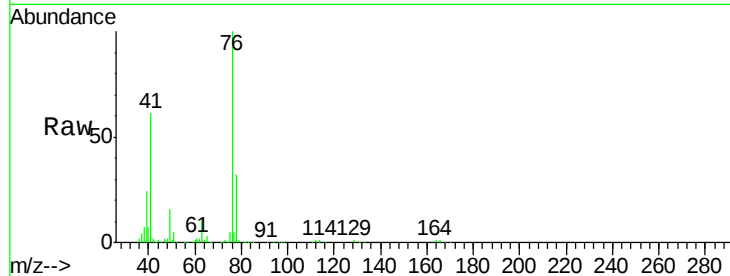
VX0709MBS01

Tot Ion: 76 Resp: 109157

Ion Ratio Lower Upper

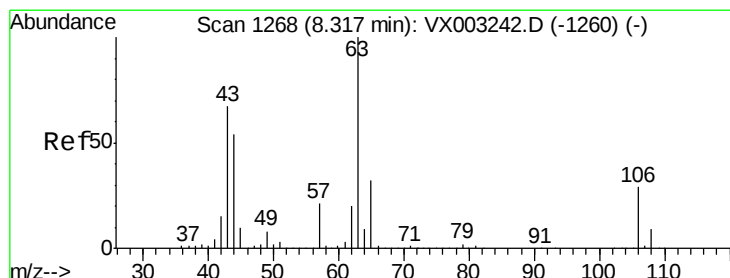
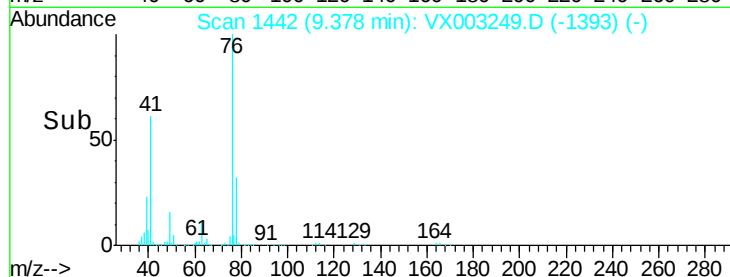
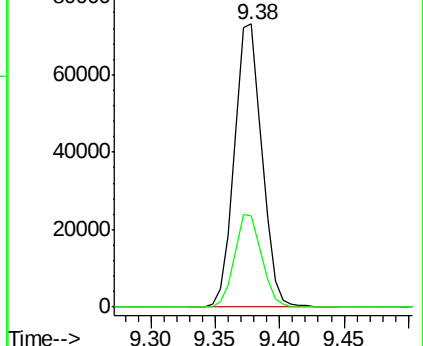
76 100

78 32.2 25.8 38.6



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 104.28 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VX003249.D

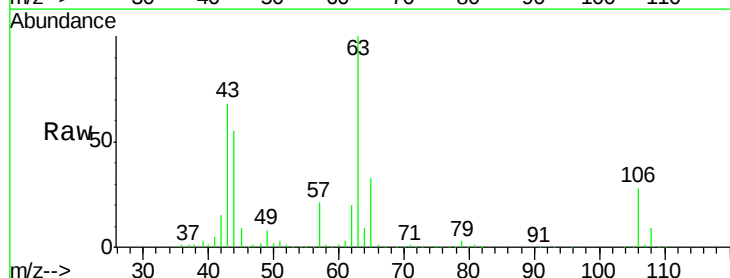
Acq: 09 Jul 2018 16:57

Tgt Ion: 63 Resp: 248871

Ion Ratio Lower Upper

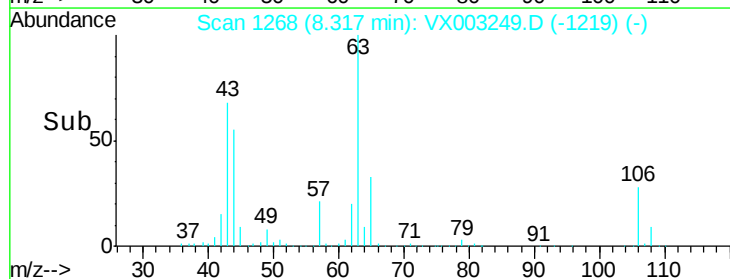
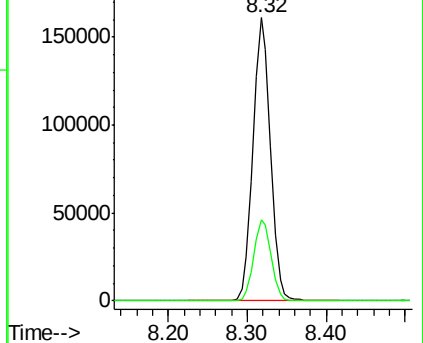
63 100

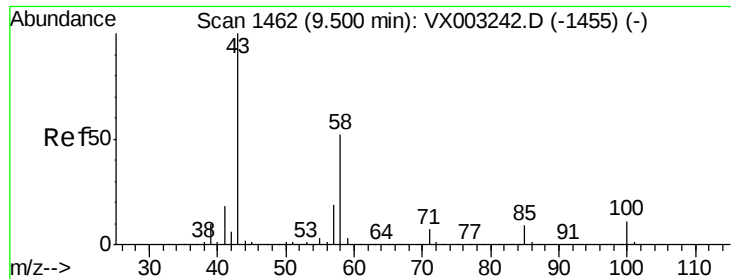
106 28.7 21.8 32.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

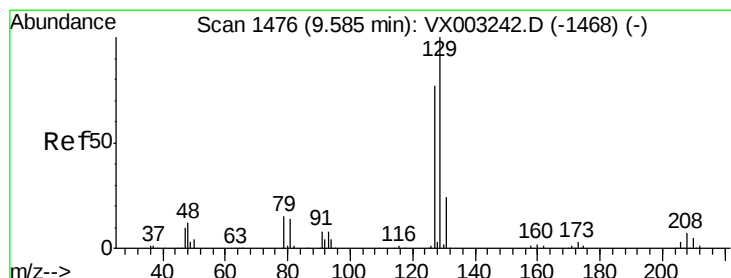
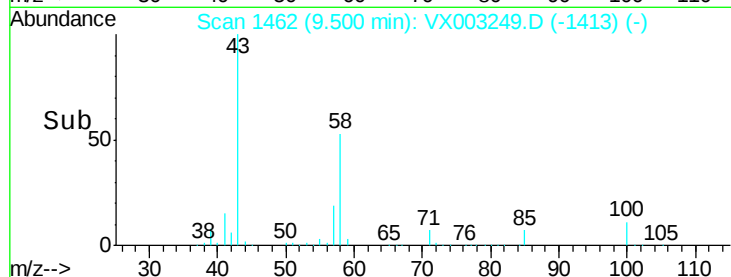
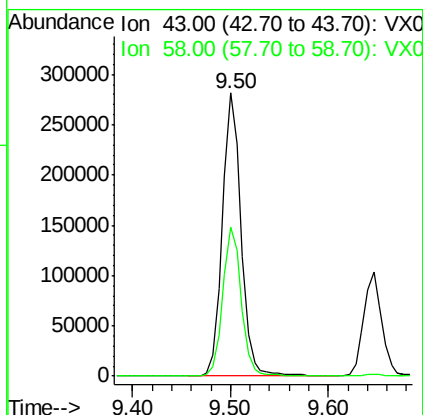
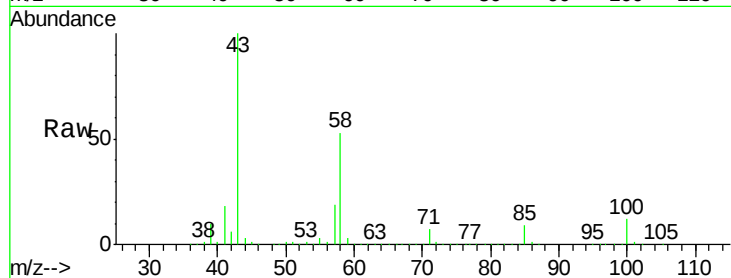




#59
2-Hexanone
Concen: 98.60 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.00 min
Lab File: VX003249.D
Acq: 09 Jul 2018 16:57

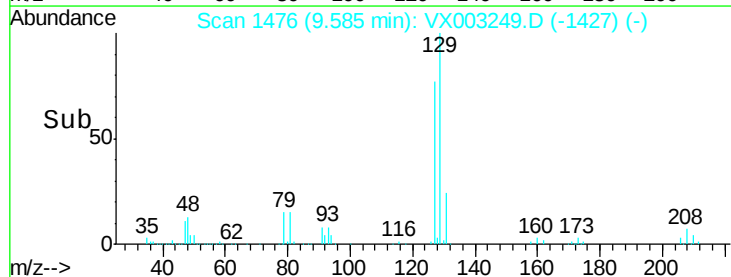
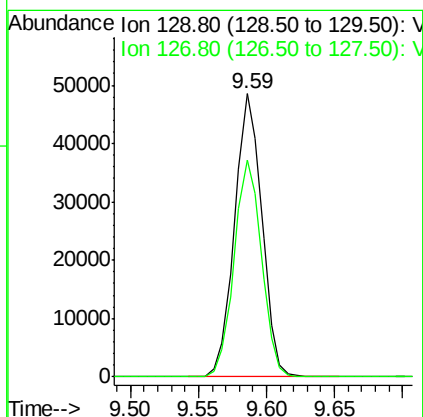
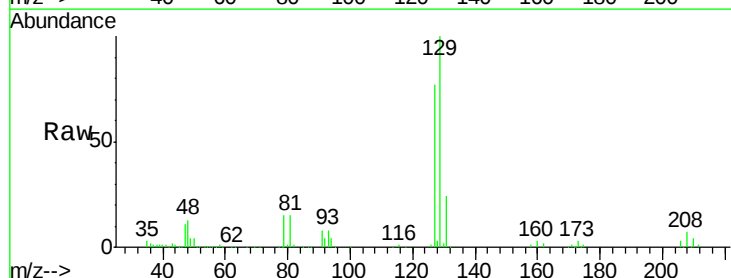
Instrument :
MSVOA_X
ClientSampleId :
VX0709MBS01

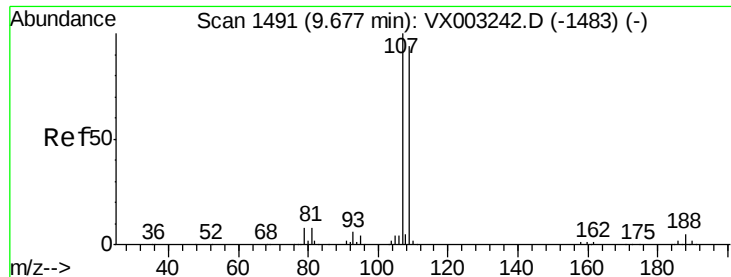
Tot Ion: 43 Resp: 373063
Ion Ratio Lower Upper
43 100
58 52.5 24.6 73.6



#60
Dibromochloromethane
Concen: 17.99 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VX003249.D
Acq: 09 Jul 2018 16:57

Tgt Ion: 129 Resp: 67865
Ion Ratio Lower Upper
129 100
127 76.9 38.5 115.3





#61

1,2-Dibromoethane

Concen: 18.93 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX003249.D

Acq: 09 Jul 2018 16:57

Instrument :

MSVOA_X

ClientSampleId :

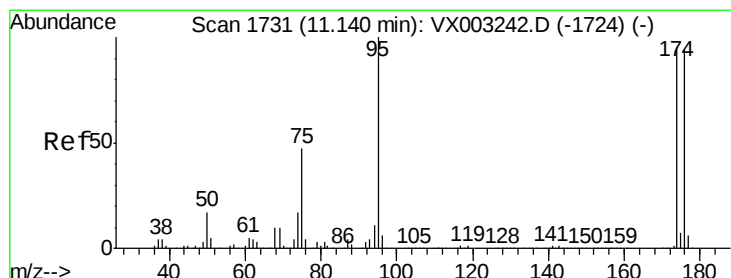
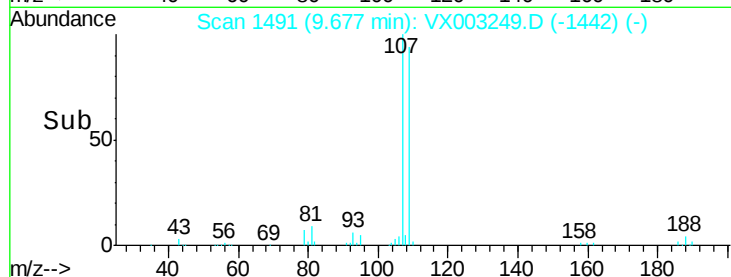
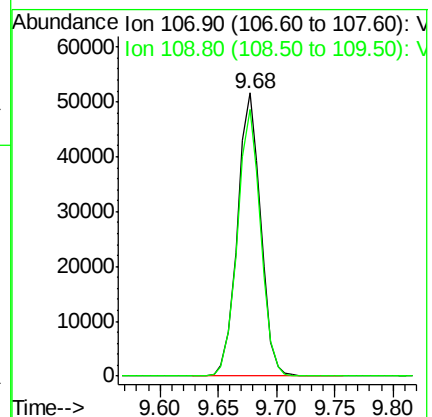
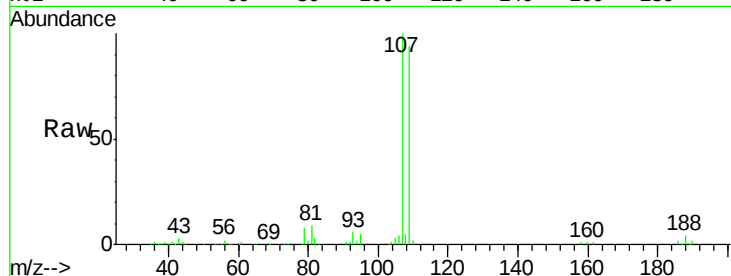
VX0709MBS01

Tot Ion:107 Resp: 71675

Ion Ratio Lower Upper

107 100

109 94.4 75.3 112.9



#62

4-Bromofluorobenzene

Concen: 48.64 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX003249.D

Acq: 09 Jul 2018 16:57

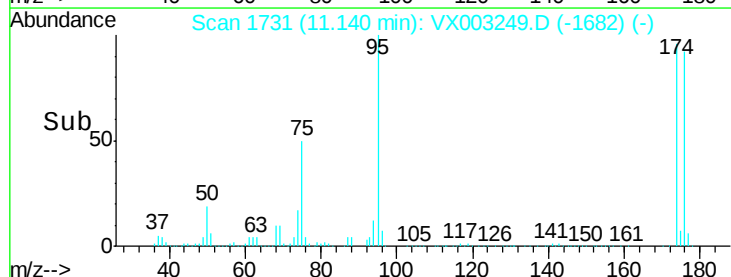
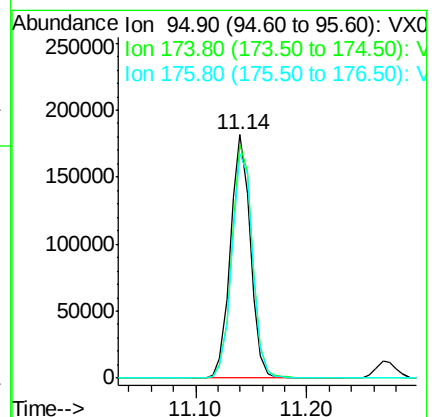
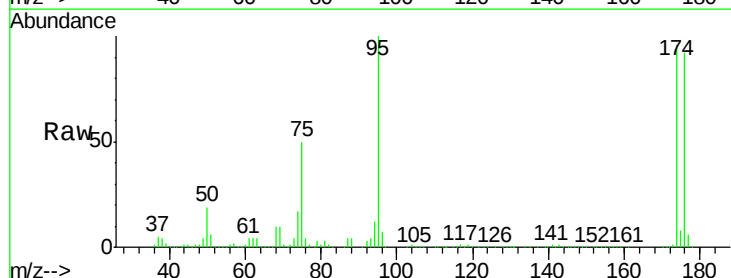
Tgt Ion: 95 Resp: 225198

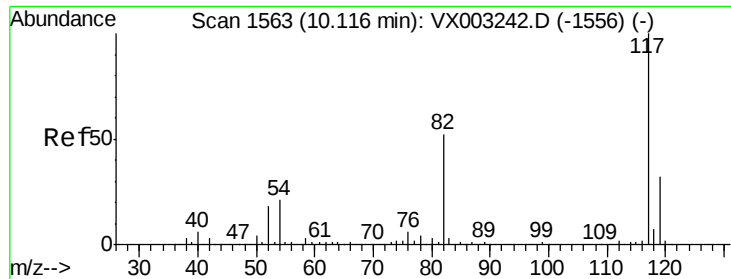
Ion Ratio Lower Upper

95 100

174 98.7 0.0 187.4

176 95.6 0.0 181.0

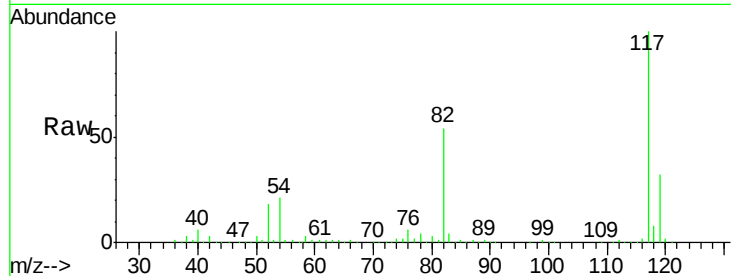




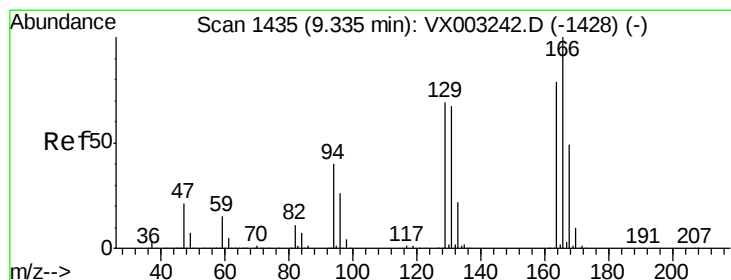
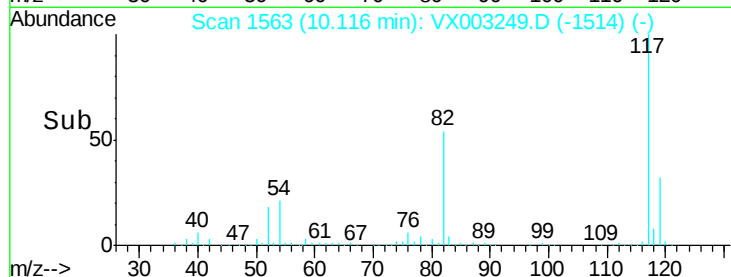
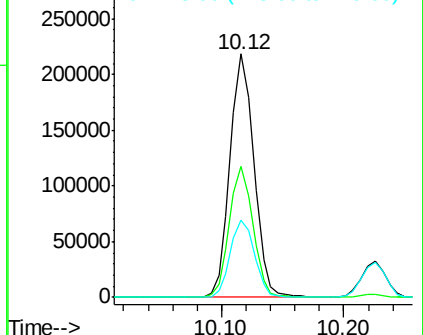
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX003249.D
Acq: 09 Jul 2018 16:57

Instrument :
MSVOA_X
ClientSampleId :
VX0709MBS01

Tot Ion:117 Resp: 296730
Ion Ratio Lower Upper
117 100
82 53.6 45.0 67.4
119 31.7 25.8 38.6



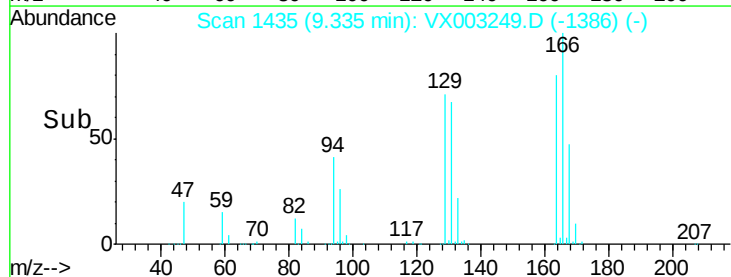
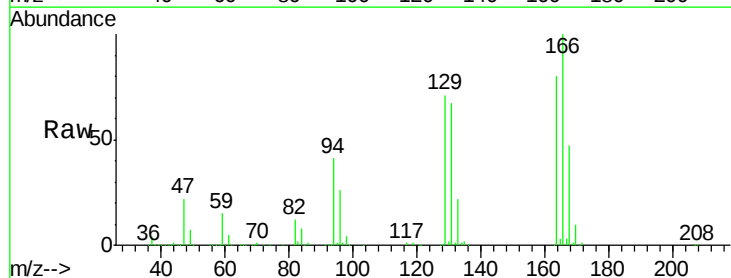
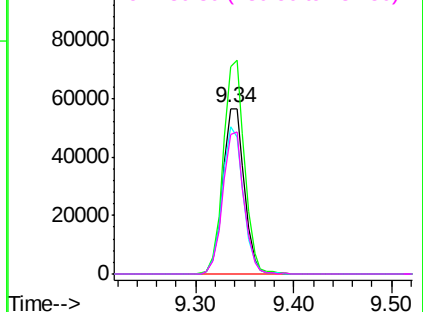
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

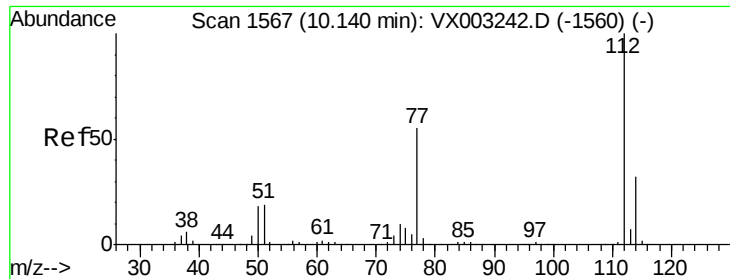


#64
Tetrachloroethene
Concen: 19.09 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.00 min
Lab File: VX003249.D
Acq: 09 Jul 2018 16:57

Tgt Ion:164 Resp: 85638
Ion Ratio Lower Upper
164 100
166 125.7 102.9 154.3
129 89.4 68.6 102.8
131 84.5 66.8 100.2

Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 18.73 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VX003249.D

Acq: 09 Jul 2018 16:57

Instrument :

MSVOA_X

ClientSampleId :

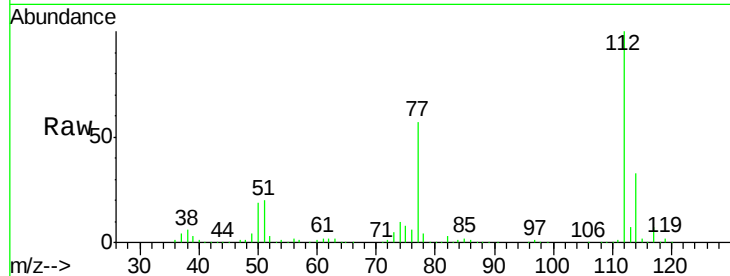
VX0709MBS01

Tot Ion:112 Resp: 188888

Ion Ratio Lower Upper

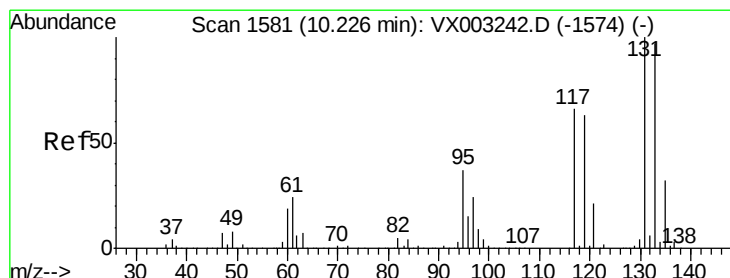
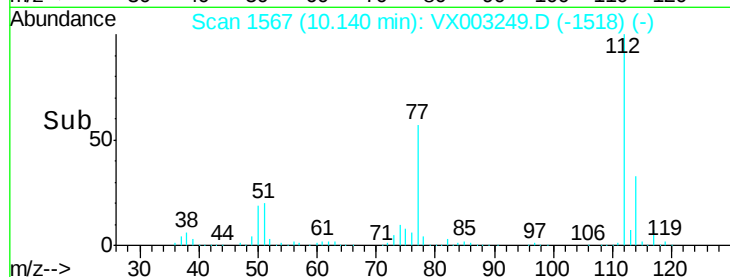
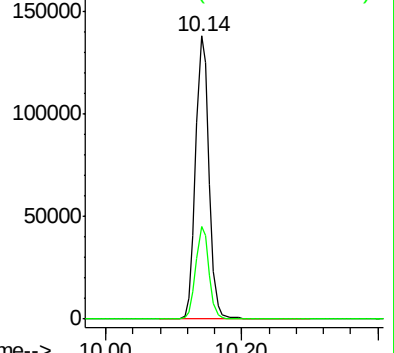
112 100

114 32.6 25.3 37.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 18.93 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VX003249.D

Acq: 09 Jul 2018 16:57

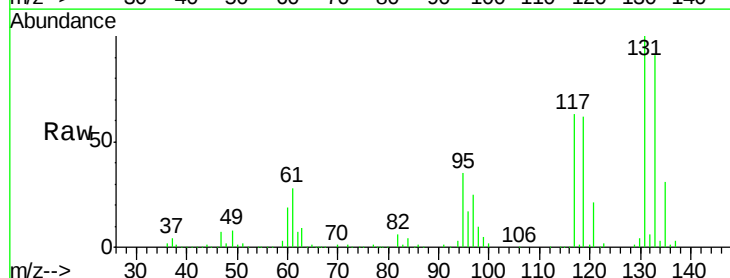
Tgt Ion:131 Resp: 68848

Ion Ratio Lower Upper

131 100

133 95.3 47.9 143.6

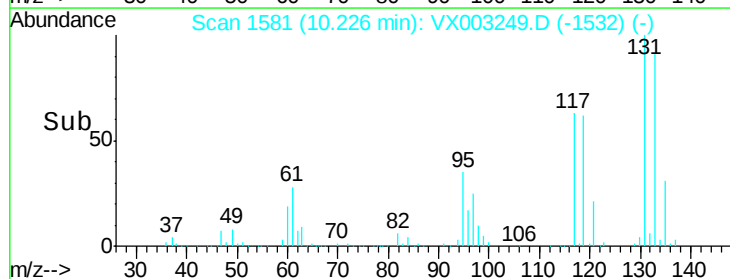
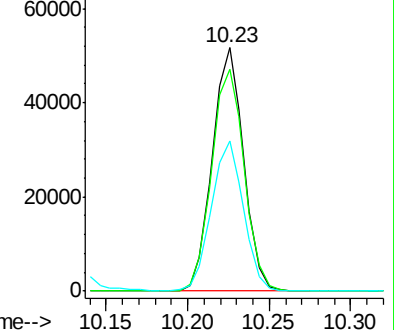
119 63.5 31.8 95.3

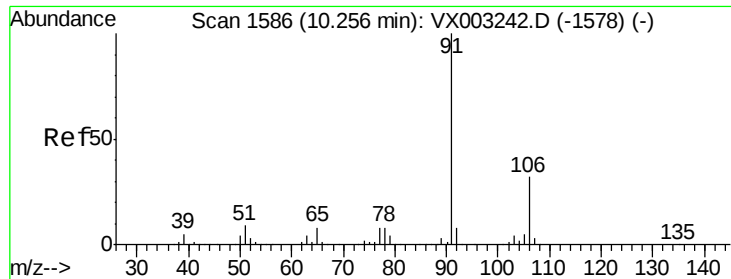


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 18.97 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VX003249.D

Acq: 09 Jul 2018 16:57

Instrument :

MSVOA_X

ClientSampleId :

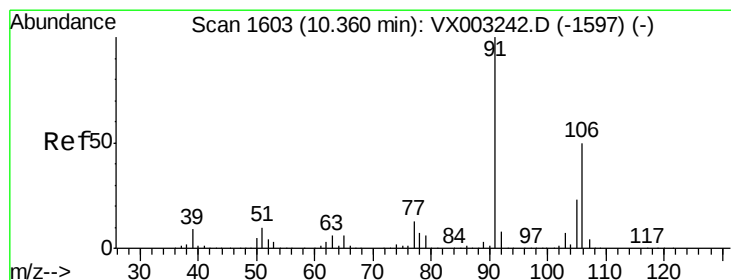
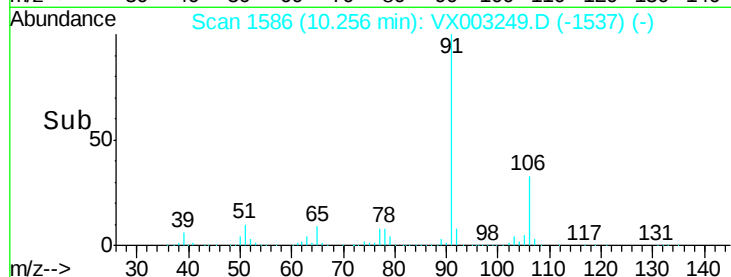
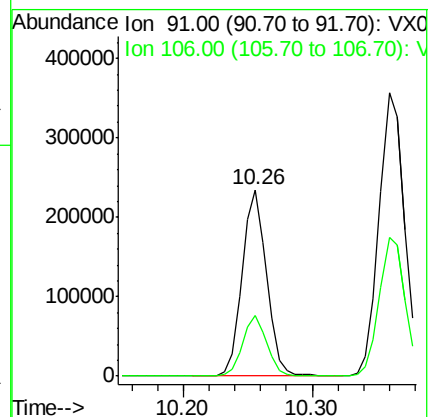
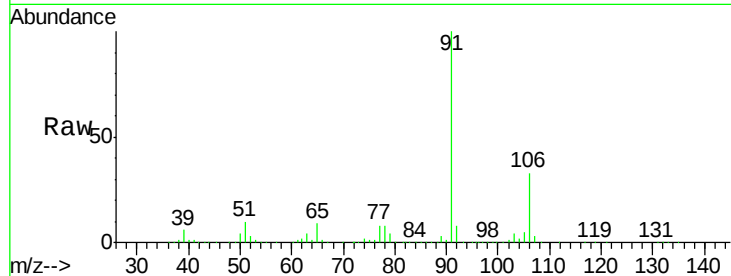
VX0709MBS01

Tot Ion: 91 Resp: 309349

Ion Ratio Lower Upper

91 100

106 32.8 25.5 38.3



#68

m/p-Xylenes

Concen: 38.46 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. -0.00 min

Lab File: VX003249.D

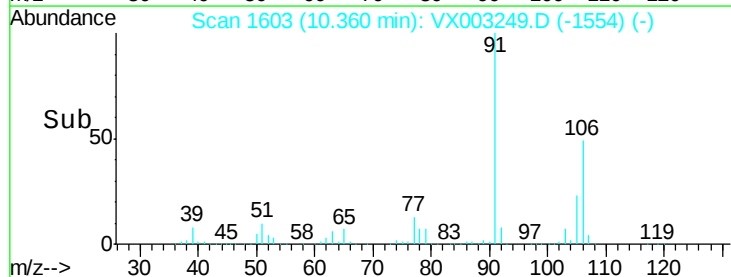
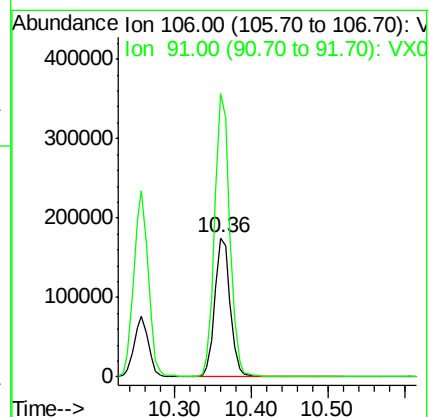
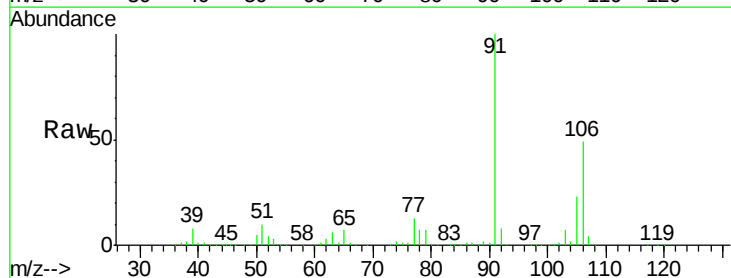
Acq: 09 Jul 2018 16:57

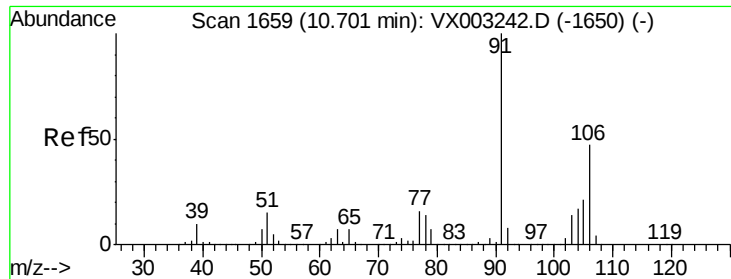
Tgt Ion: 106 Resp: 243934

Ion Ratio Lower Upper

106 100

91 200.9 163.4 245.2

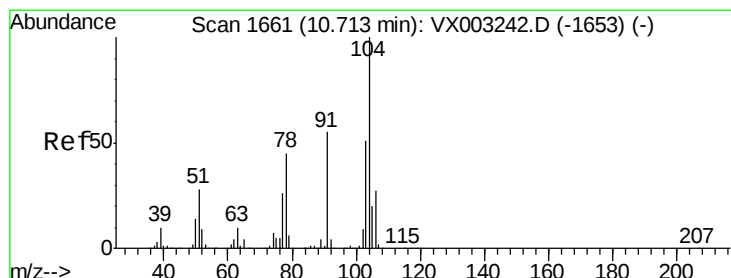
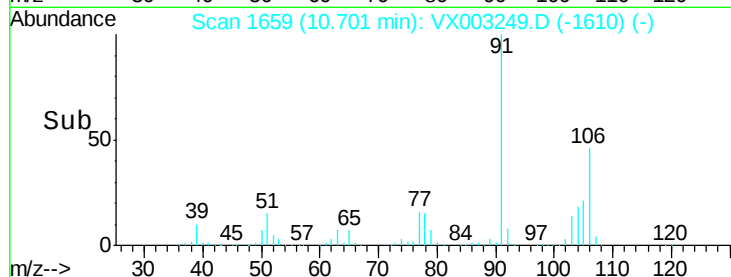
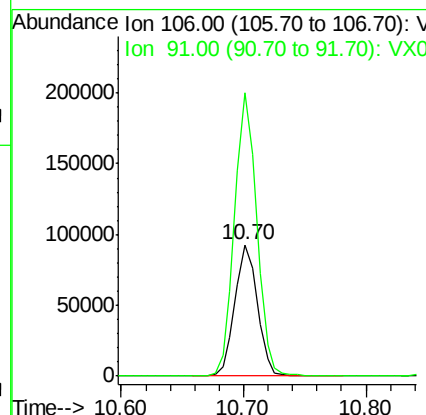
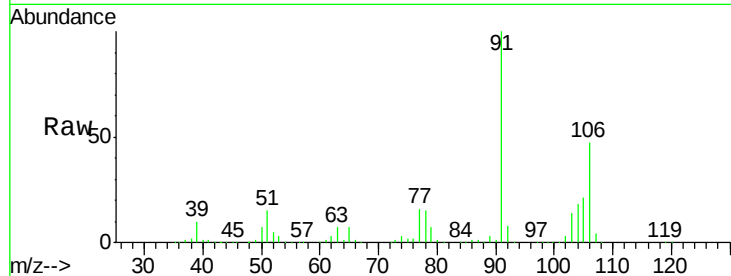




#69
o-Xylene
Concen: 19.23 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX003249.D
Acq: 09 Jul 2018 16:57

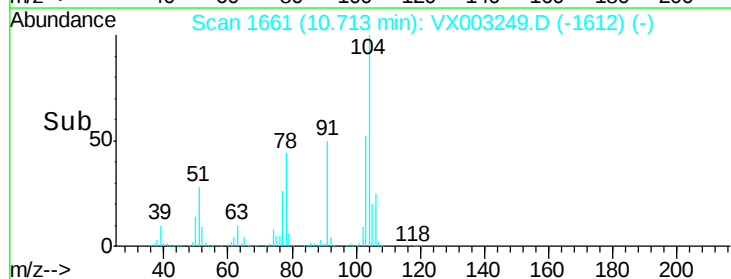
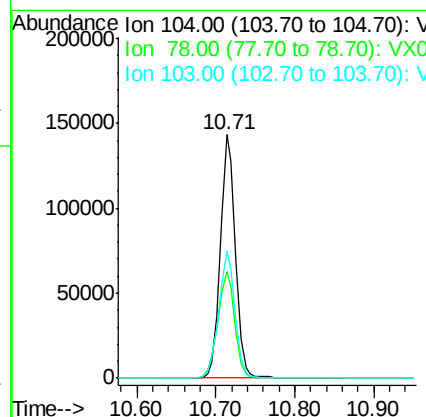
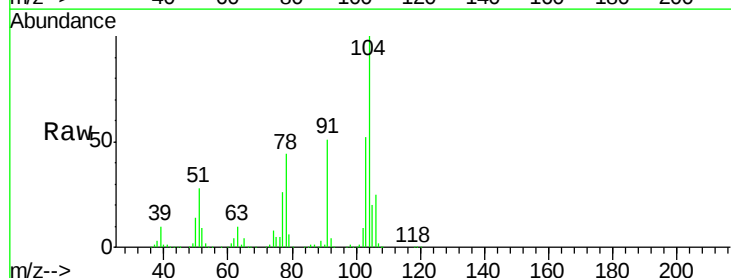
Instrument :
MSVOA_X
ClientSampleId :
VX0709MBS01

Tot Ion:106 Resp: 118156
Ion Ratio Lower Upper
106 100
91 212.3 108.2 324.6



#70
Styrene
Concen: 19.16 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX003249.D
Acq: 09 Jul 2018 16:57

Tgt Ion:104 Resp: 190948
Ion Ratio Lower Upper
104 100
78 49.2 41.0 61.6
103 56.5 44.2 66.4





#71

Bromoform

Concen: 17.63 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VX003249.D

Acq: 09 Jul 2018 16:57

Instrument :

MSVOA_X

ClientSampled :

VX0709MBS01

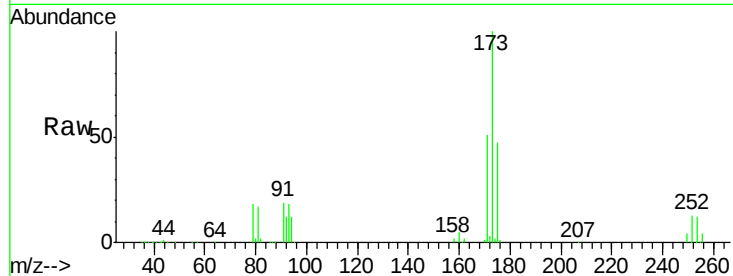
Tot Ion:173 Resp: 52762

Ion Ratio Lower Upper

173 100

175 48.1 24.7 74.1

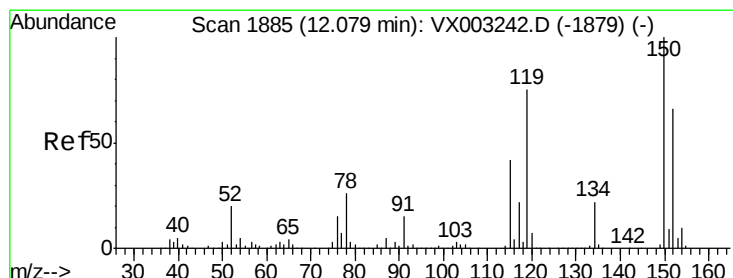
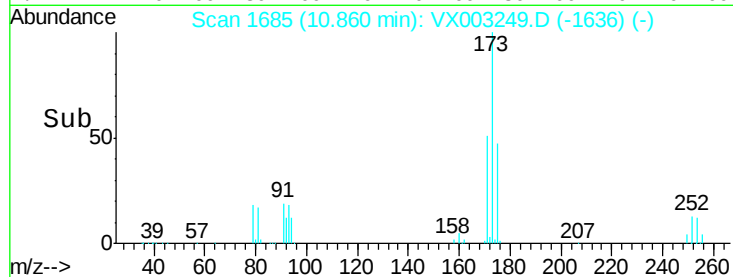
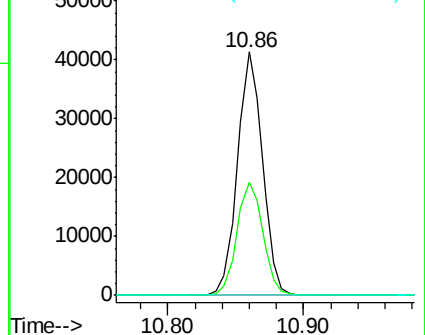
254 0.2 0.2 0.2



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: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VX003249.D

Acq: 09 Jul 2018 16:57

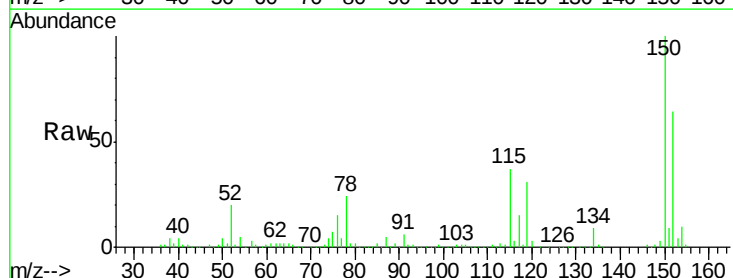
Tgt Ion:152 Resp: 207891

Ion Ratio Lower Upper

152 100

115 63.5 40.1 120.2

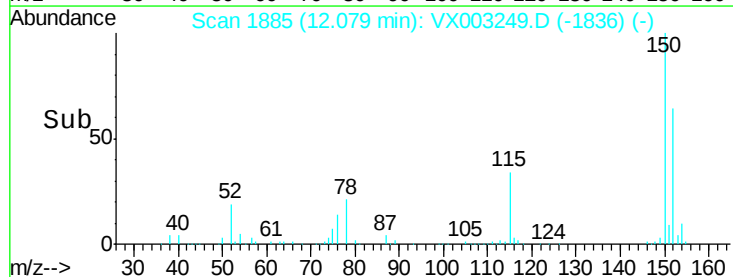
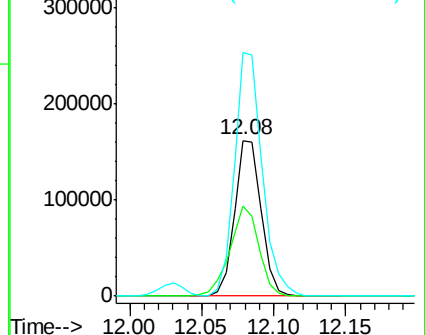
150 164.0 0.0 347.2

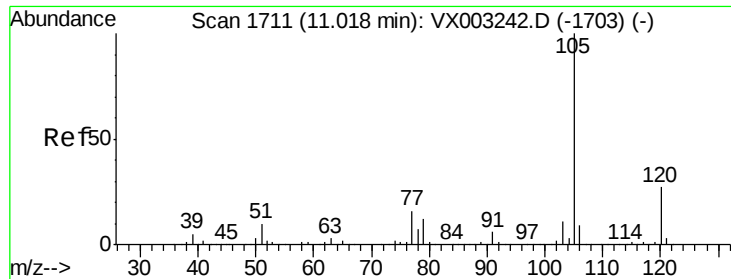


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.61 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. -0.01 min

Lab File: VX003249.D

Acq: 09 Jul 2018 16:57

Instrument :

MSVOA_X

ClientSampleId :

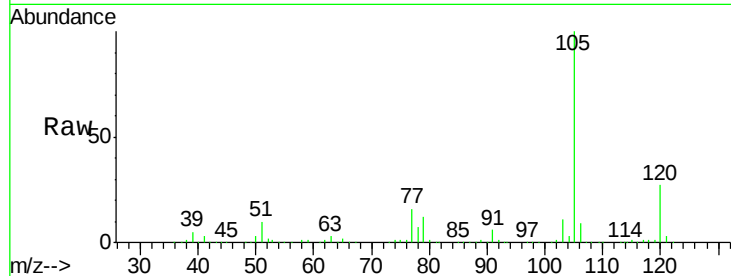
VX0709MBS01

Tot Ion:105 Resp: 321955

Ion Ratio Lower Upper

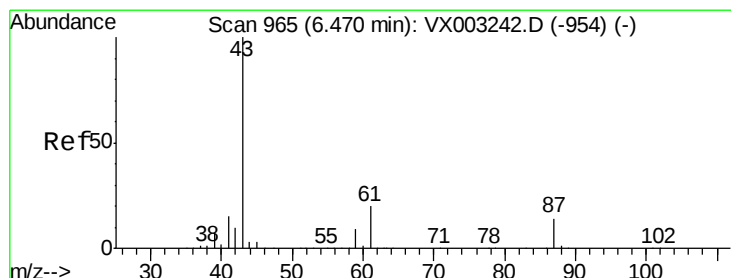
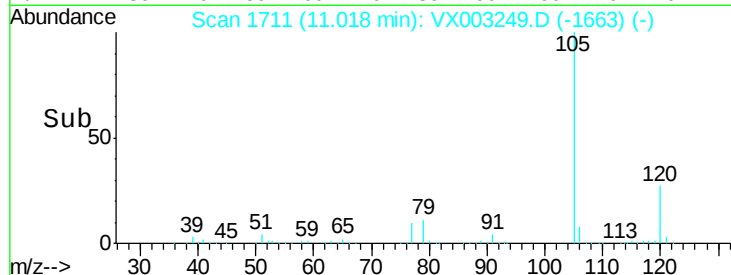
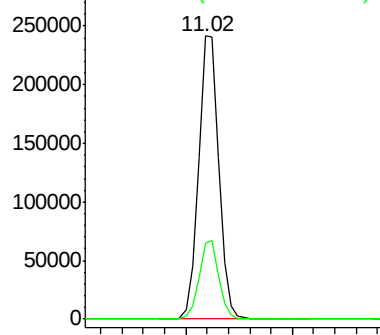
105 100

120 26.9 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: 19.12 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.00 min

Lab File: VX003249.D

Acq: 09 Jul 2018 16:57

Tgt Ion: 43 Resp: 149743

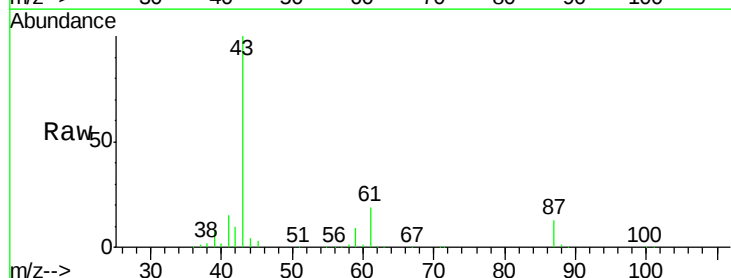
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.1 0.0 0.0#

61 19.4 14.4 21.6

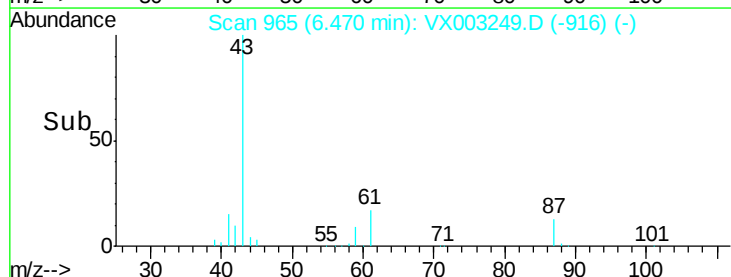
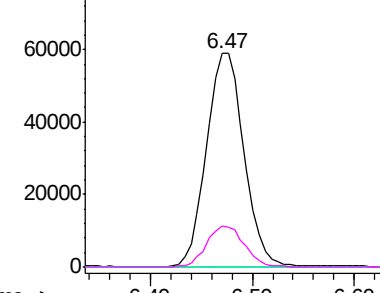


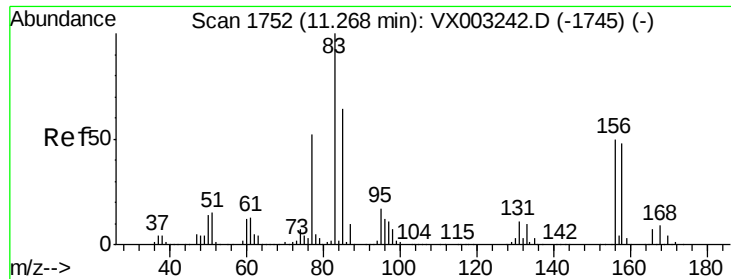
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 19.42 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. -0.00 min

Lab File: VX003249.D

Acq: 09 Jul 2018 16:57

Instrument :

MSVOA_X

ClientSampleId :

VX0709MBS01

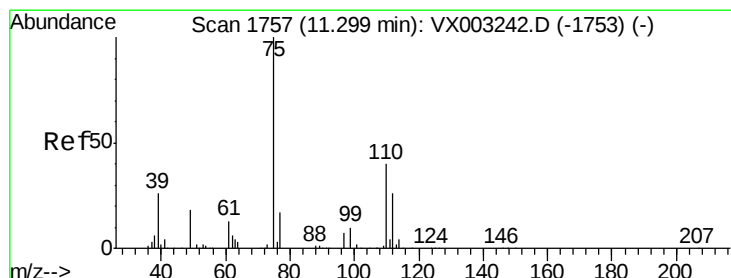
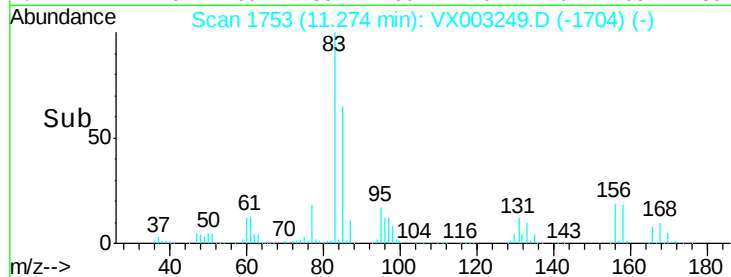
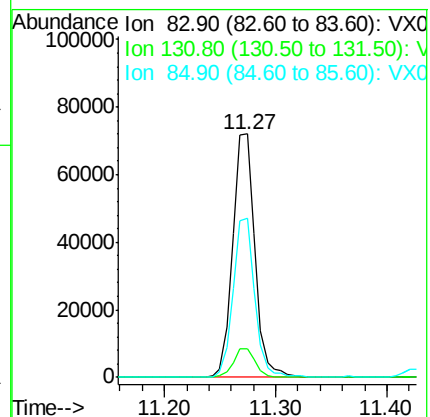
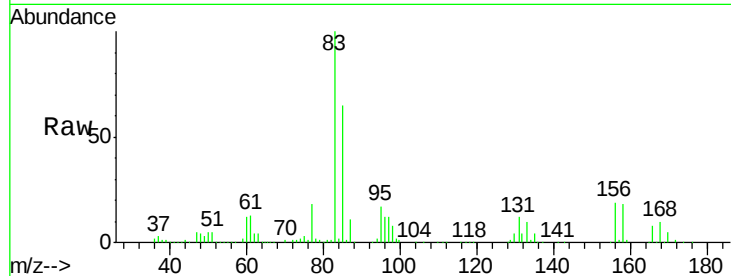
Tot Ion: 83 Resp: 98844

Ion Ratio Lower Upper

83 100

131 11.6 5.6 16.8

85 63.9 32.4 97.2



#76

1,2,3-Trichloropropane

Concen: 23.96 ug/l

RT: 11.30 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VX003249.D

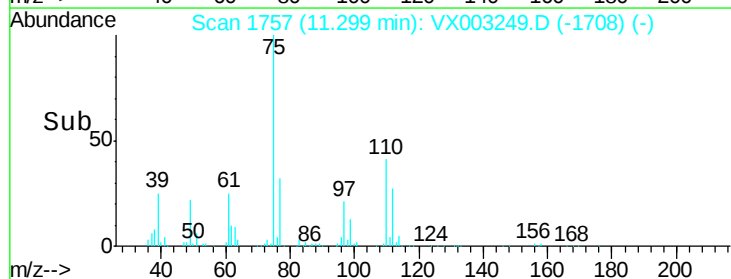
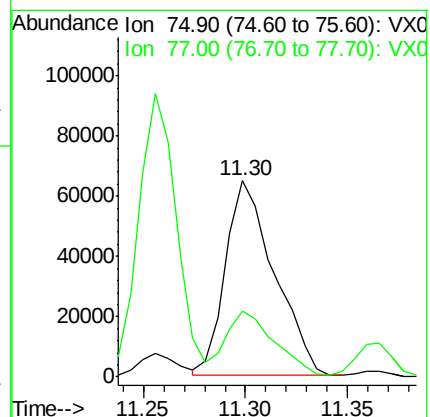
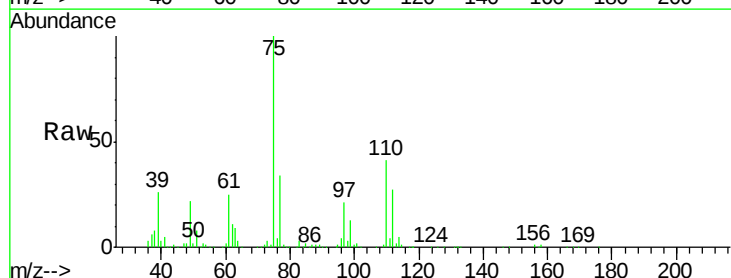
Acq: 09 Jul 2018 16:57

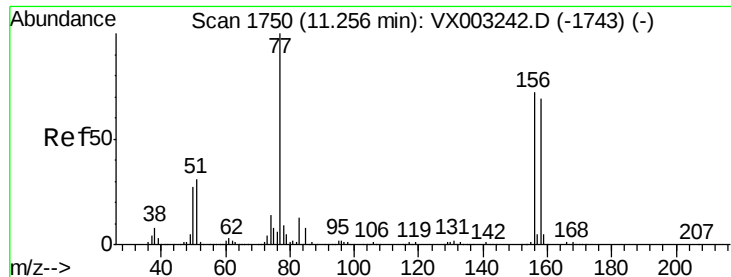
Tgt Ion: 75 Resp: 107629

Ion Ratio Lower Upper

75 100

77 34.0 22.8 68.3





#77

Bromobenzene

Concen: 19.12 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.01 min

Lab File: VX003249.D

Acq: 09 Jul 2018 16:57

Instrument :

MSVOA_X

ClientSampleId :

VX0709MBS01

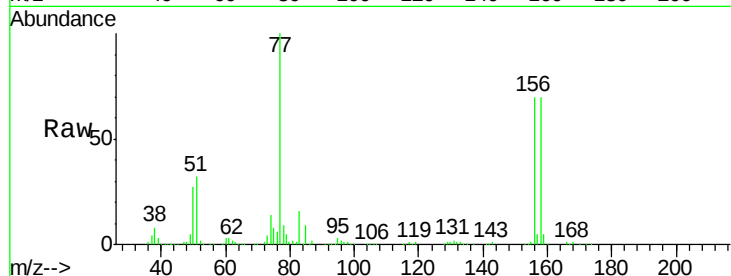
Tot Ion:156 Resp: 90620

Ion Ratio Lower Upper

156 100

77 133.9 71.4 214.2

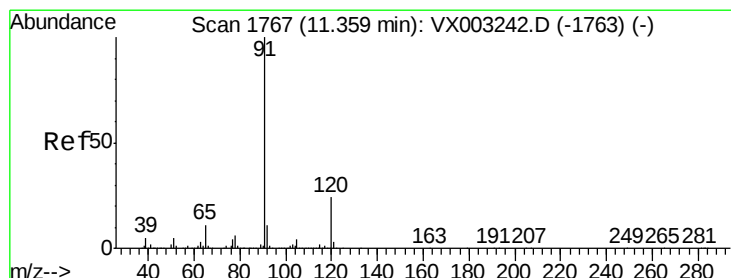
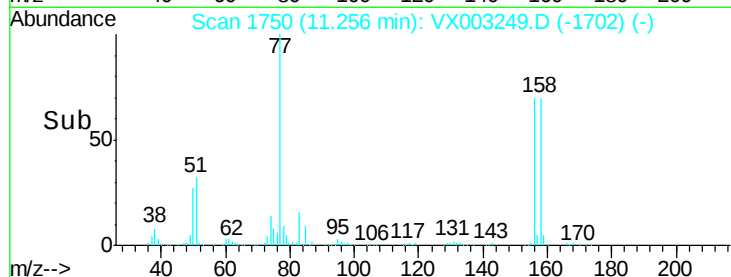
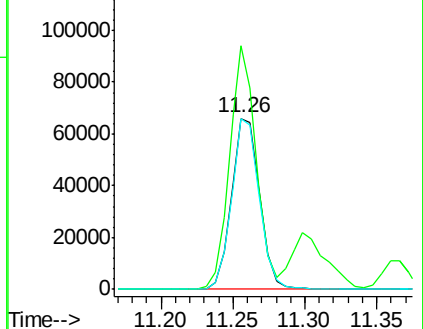
158 98.0 48.9 146.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.57 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX003249.D

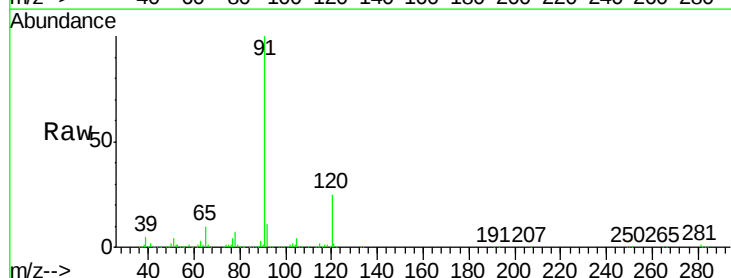
Acq: 09 Jul 2018 16:57

Tgt Ion: 91 Resp: 357230

Ion Ratio Lower Upper

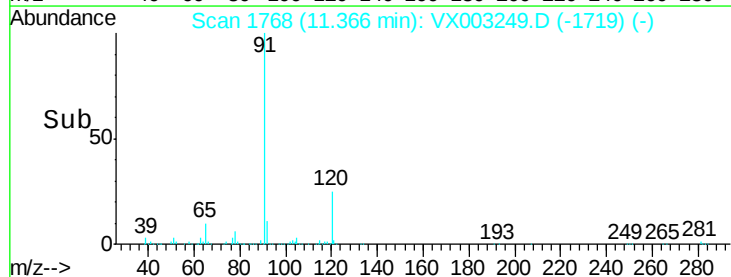
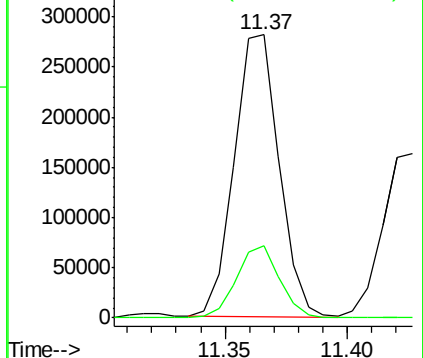
91 100

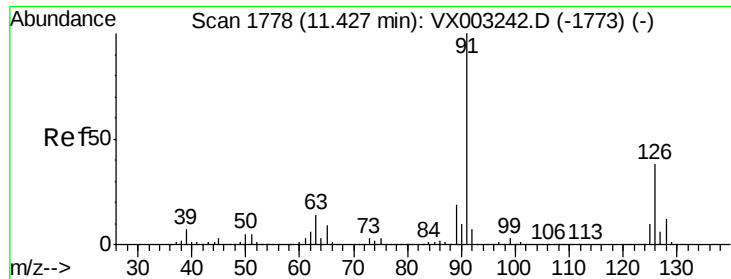
120 24.8 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

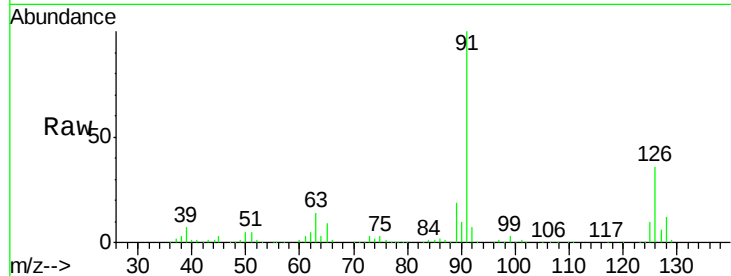




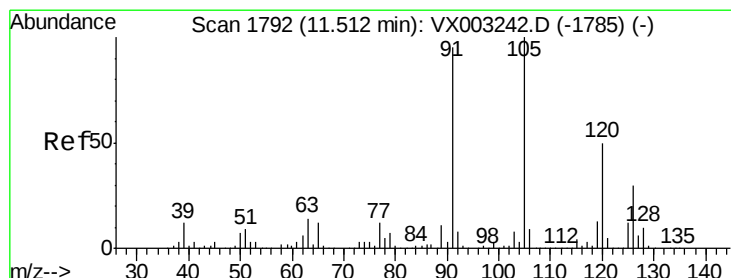
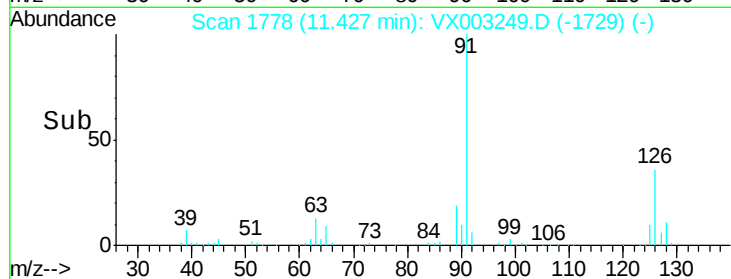
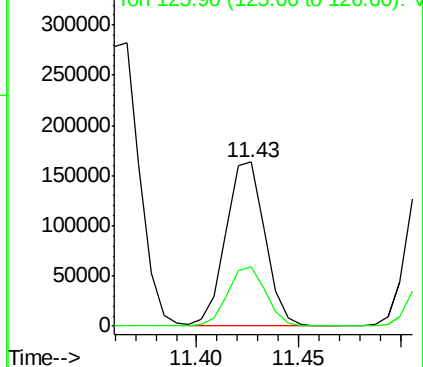
#79
 2-Chlorotoluene
 Concen: 19.35 ug/l
 RT: 11.43 min Scan# 1778
 Delta R.T. -0.00 min
 Lab File: VX003249.D
 Acq: 09 Jul 2018 16:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0709MBS01

Tot Ion: 91 Resp: 215148
 Ion Ratio Lower Upper
 91 100
 126 36.0 17.7 53.1

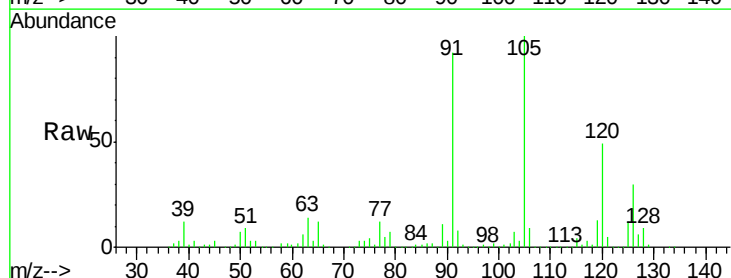


Abundance Ion 91.00 (90.70 to 91.70): VX0
 Ion 125.90 (125.60 to 126.60): V

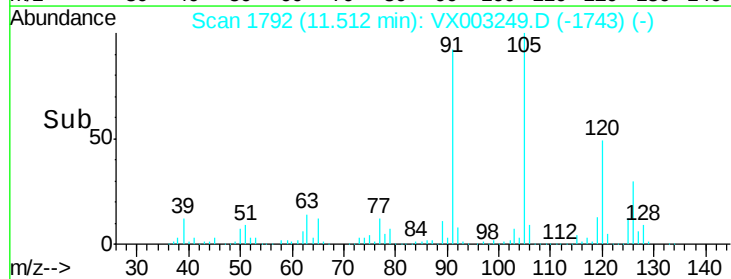
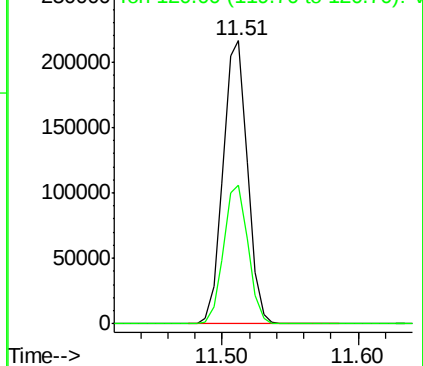


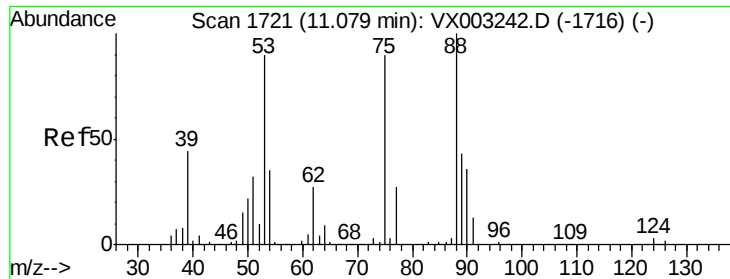
#80
 1,3,5-Trimethylbenzene
 Concen: 19.67 ug/l
 RT: 11.51 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX003249.D
 Acq: 09 Jul 2018 16:57

Tgt Ion: 105 Resp: 268822
 Ion Ratio Lower Upper
 105 100
 120 49.3 24.4 73.4



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 17.92 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. -0.00 min

Lab File: VX003249.D

Acq: 09 Jul 2018 16:57

Instrument :

MSVOA_X

ClientSampleId :

VX0709MBS01

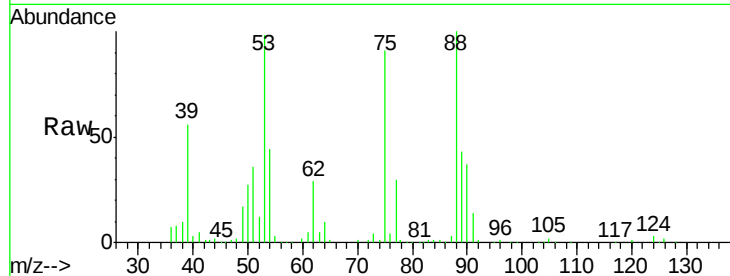
Tot Ion: 75 Resp: 24634

Ion Ratio Lower Upper

75 100

53 108.1 86.8 130.2

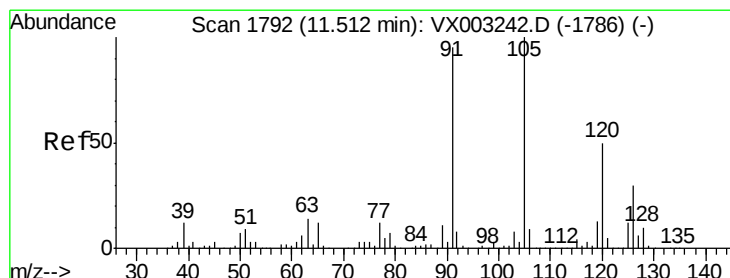
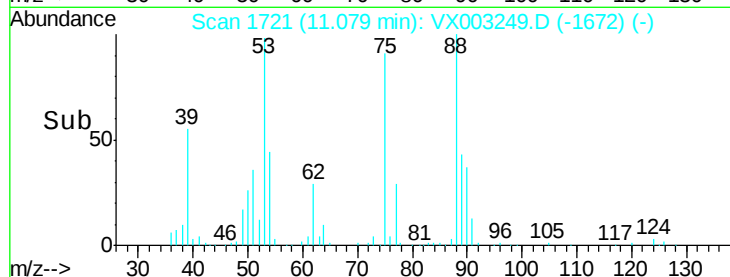
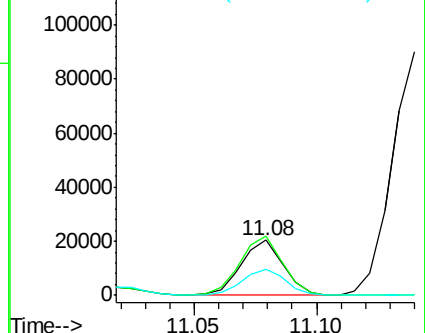
89 48.7 38.2 57.2



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 19.22 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX003249.D

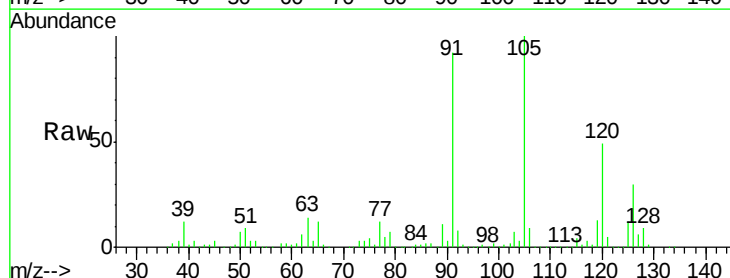
Acq: 09 Jul 2018 16:57

Tgt Ion: 91 Resp: 249527

Ion Ratio Lower Upper

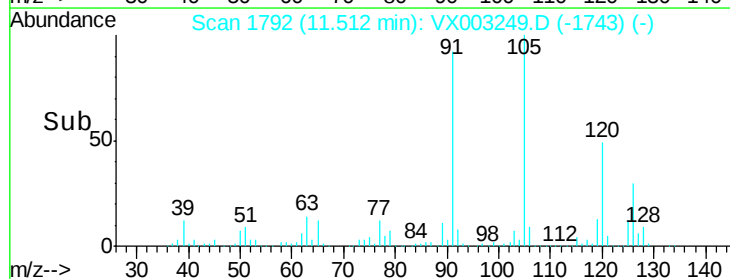
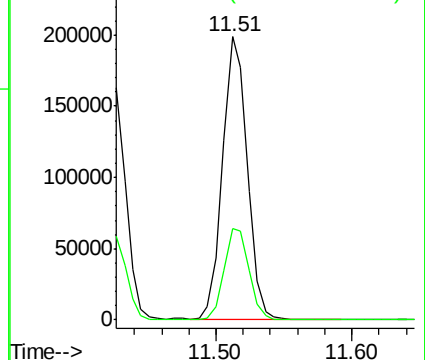
91 100

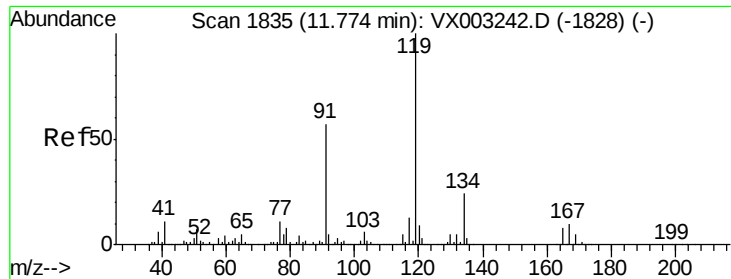
126 32.5 15.4 46.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 19.43 ug/l

RT: 11.77 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX003249.D

Acq: 09 Jul 2018 16:57

Instrument :

MSVOA_X

ClientSampleId :

VX0709MBS01

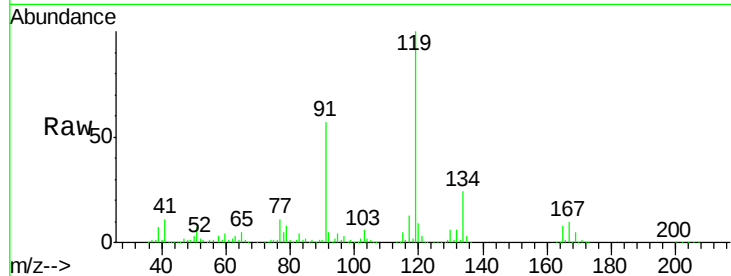
Tot Ion:119 Resp: 265330

Ion Ratio Lower Upper

119 100

91 57.0 30.3 90.9

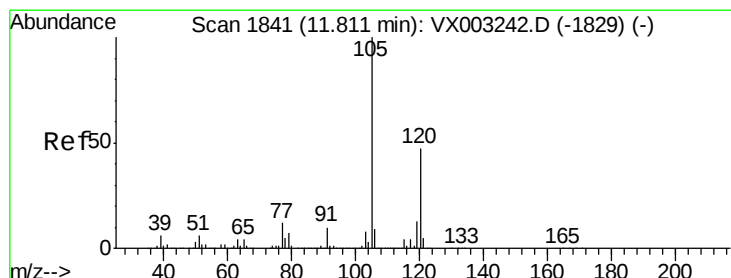
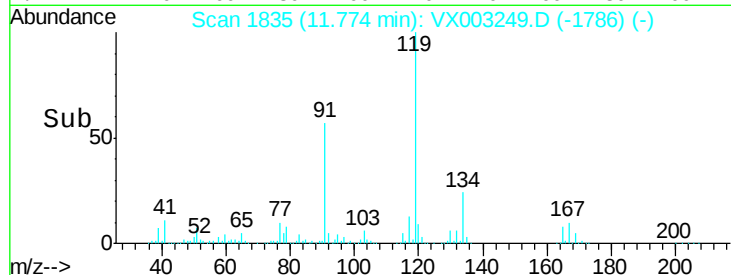
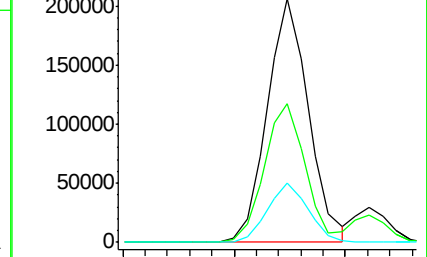
134 24.0 11.7 35.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 19.75 ug/l

RT: 11.81 min Scan# 1841

Delta R.T. -0.00 min

Lab File: VX003249.D

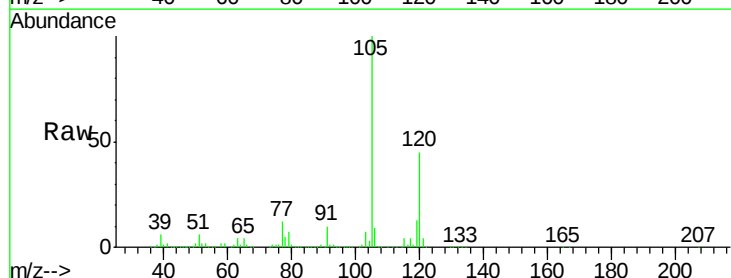
Acq: 09 Jul 2018 16:57

Tgt Ion:105 Resp: 276397

Ion Ratio Lower Upper

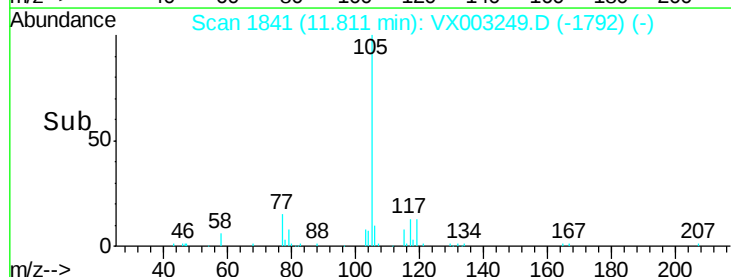
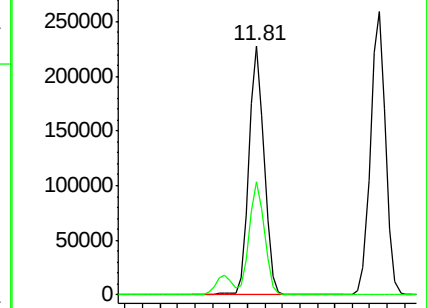
105 100

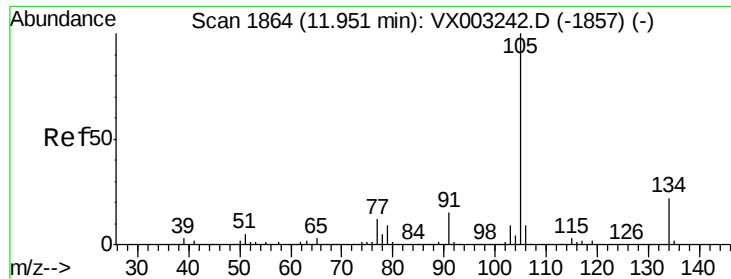
120 45.4 22.3 66.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

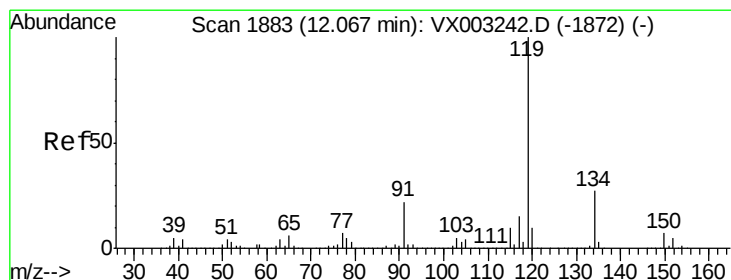
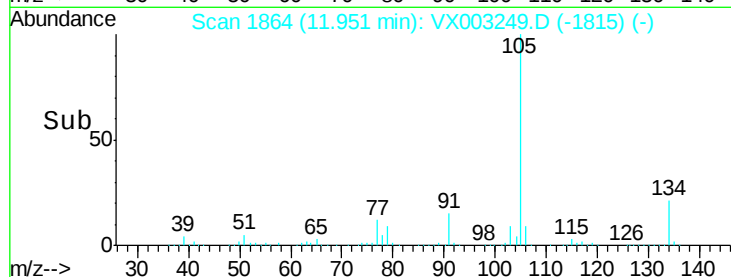
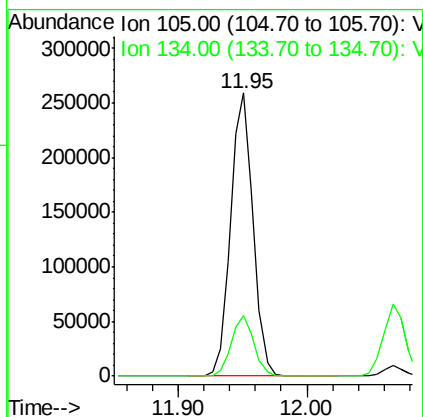
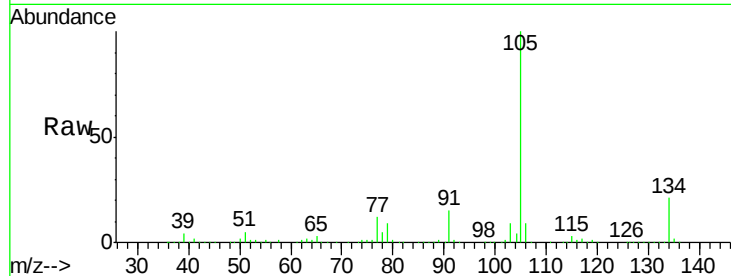




#85
 sec-Butylbenzene
 Concen: 19.55 ug/l
 RT: 11.95 min Scan# 1864
 Delta R.T. -0.00 min
 Lab File: VX003249.D
 Acq: 09 Jul 2018 16:57

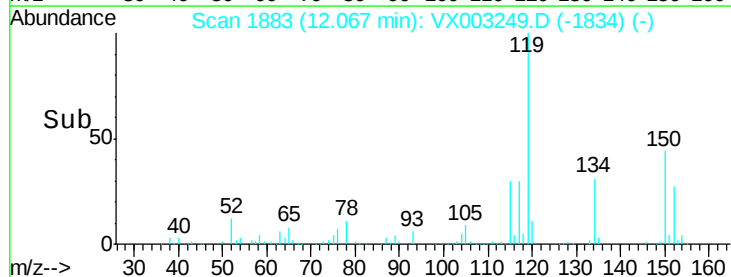
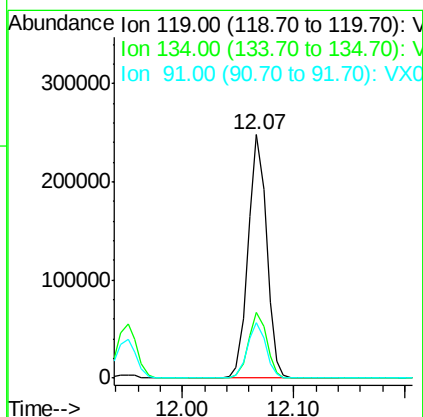
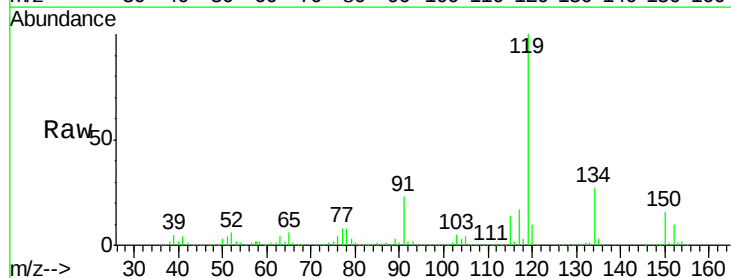
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0709MBS01

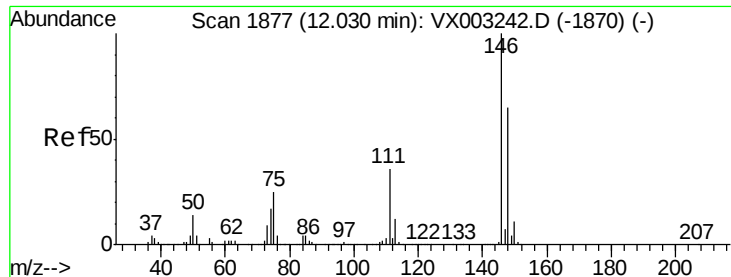
Tot Ion:105 Resp: 315409
 Ion Ratio Lower Upper
 105 100
 134 21.4 10.4 31.1



#86
 p-Isopropyltoluene
 Concen: 19.36 ug/l
 RT: 12.07 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VX003249.D
 Acq: 09 Jul 2018 16:57

Tgt Ion:119 Resp: 284583
 Ion Ratio Lower Upper
 119 100
 134 27.2 13.4 40.1
 91 22.8 11.9 35.7





#87

1,3-Dichlorobenzene

Concen: 18.71 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VX003249.D

Acq: 09 Jul 2018 16:57

Instrument :

MSVOA_X

ClientSampleId :

VX0709MBS01

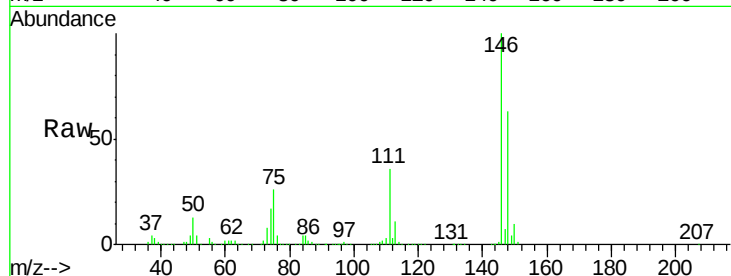
Tot Ion:146 Resp: 162622

Ion Ratio Lower Upper

146 100

111 36.5 18.9 56.7

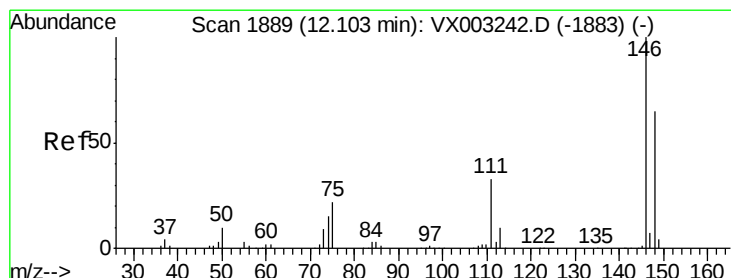
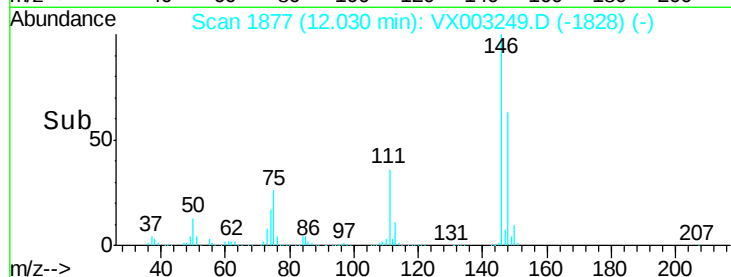
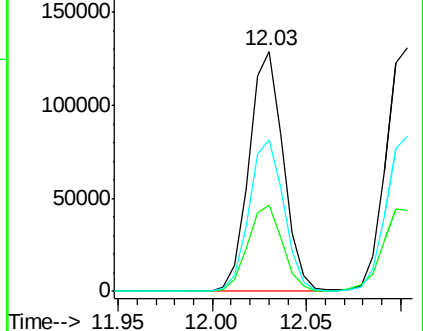
148 63.9 32.1 96.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 18.75 ug/l

RT: 12.10 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VX003249.D

Acq: 09 Jul 2018 16:57

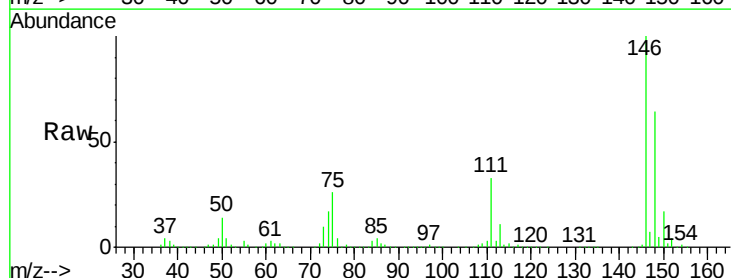
Tgt Ion:146 Resp: 164989

Ion Ratio Lower Upper

146 100

111 36.3 18.7 56.1

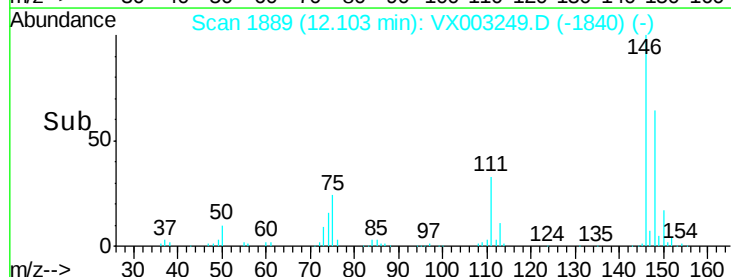
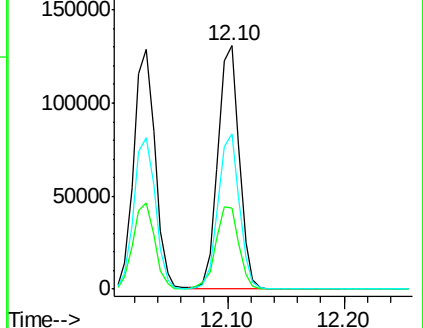
148 63.7 32.4 97.0

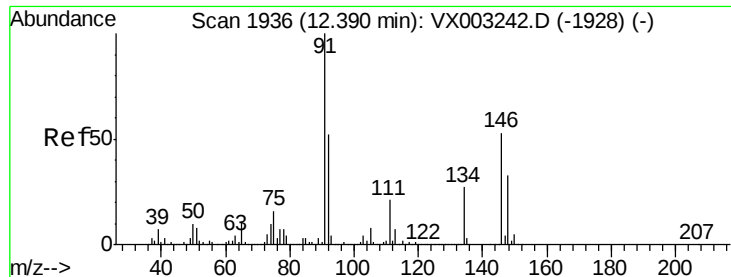


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

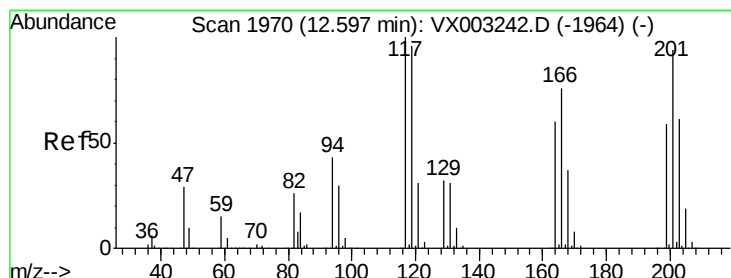
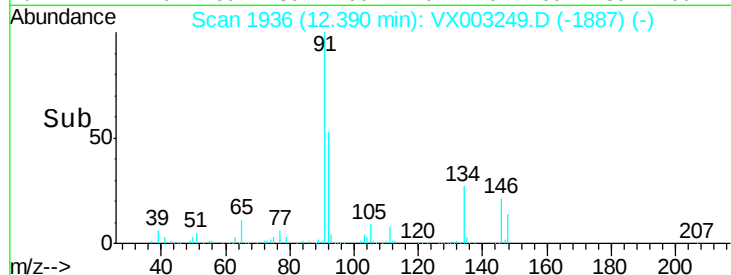
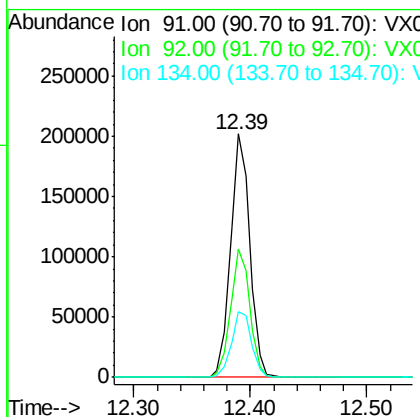
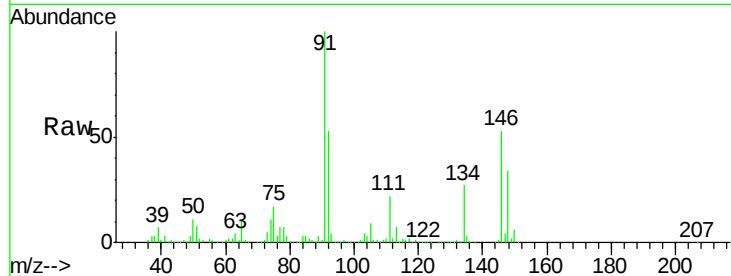




#89
n-Butylbenzene
Concen: 18.93 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX003249.D
Acq: 09 Jul 2018 16:57

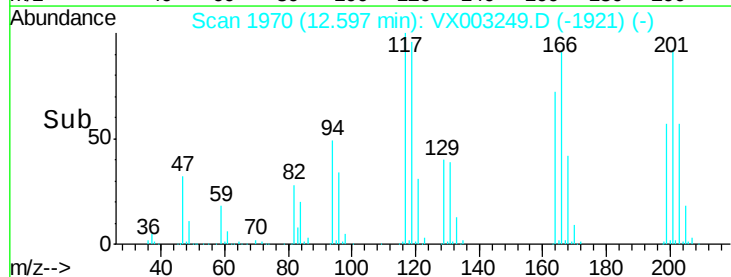
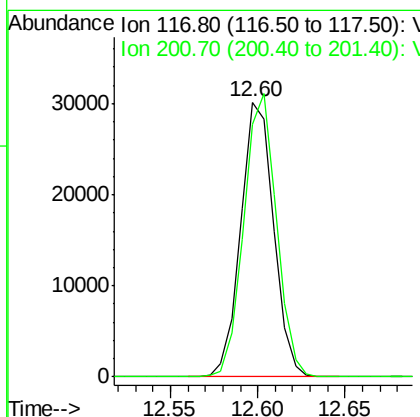
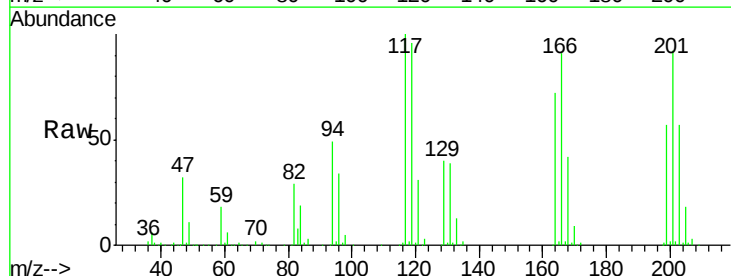
Instrument :
MSVOA_X
ClientSampled :
VX0709MBS01

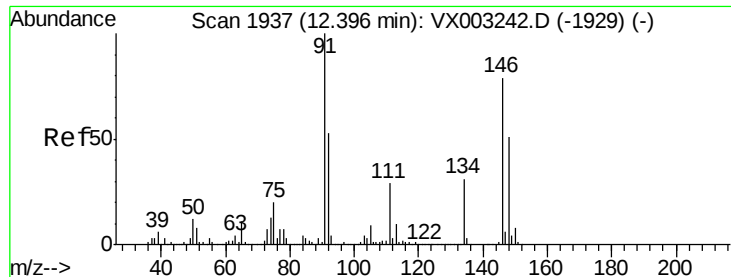
Tot Ion: 91 Resp: 232521
Ion Ratio Lower Upper
91 100
92 52.6 26.0 78.0
134 28.0 13.5 40.5



#90
Hexachloroethane
Concen: 17.60 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VX003249.D
Acq: 09 Jul 2018 16:57

Tgt Ion: 117 Resp: 39498
Ion Ratio Lower Upper
117 100
201 101.7 49.0 147.0

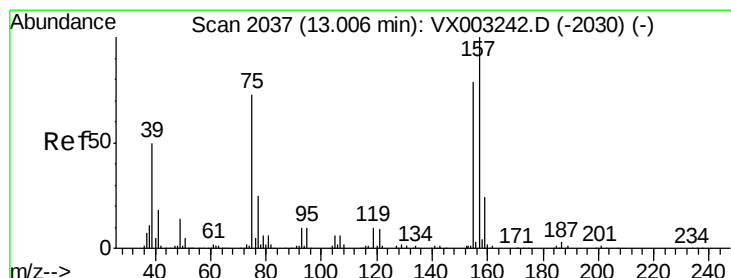
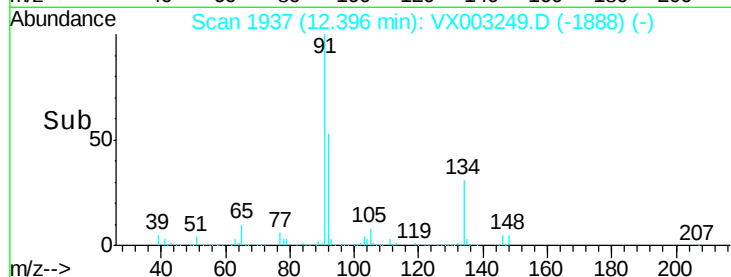
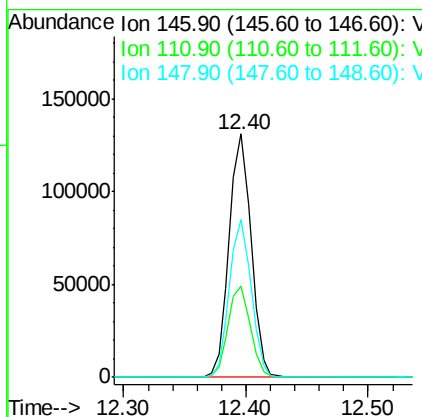
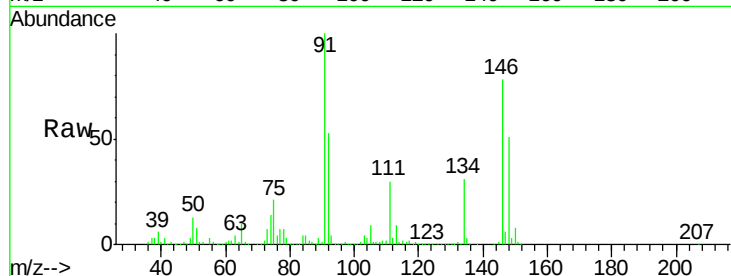




#91
 1,2-Dichlorobenzene
 Concen: 18.65 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VX003249.D
 Acq: 09 Jul 2018 16:57

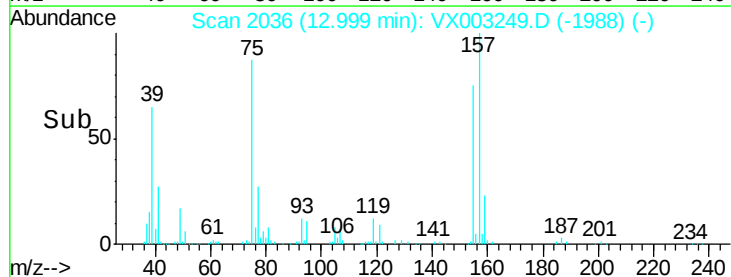
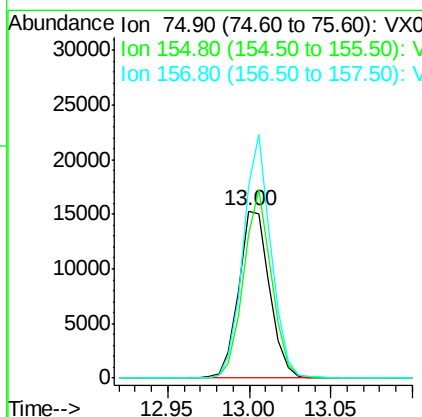
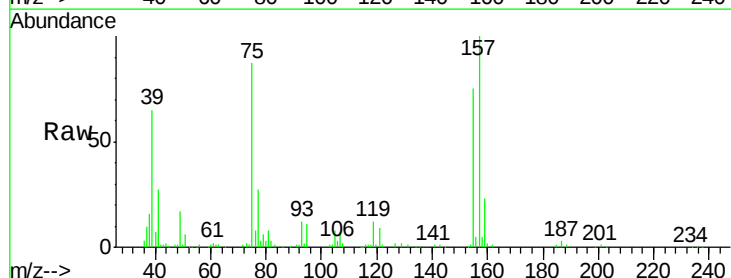
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0709MBS01

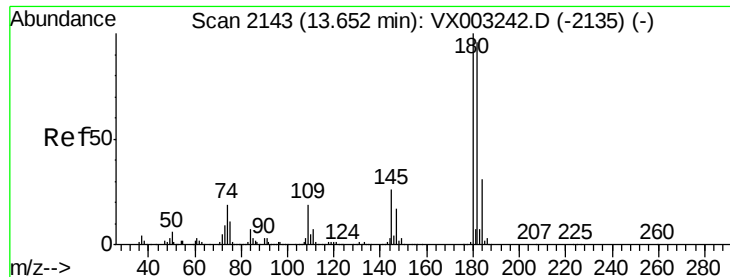
Tot Ion:146 Resp: 162789
 Ion Ratio Lower Upper
 146 100
 111 38.0 19.4 58.1
 148 64.6 31.7 95.1



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.47 ug/l
 RT: 13.00 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VX003249.D
 Acq: 09 Jul 2018 16:57

Tgt Ion: 75 Resp: 20178
 Ion Ratio Lower Upper
 75 100
 155 101.4 45.8 137.4
 157 130.7 60.1 180.3

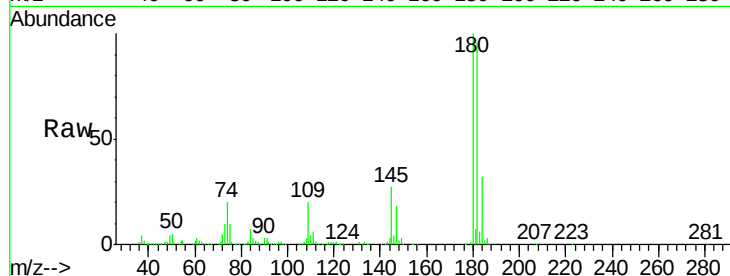




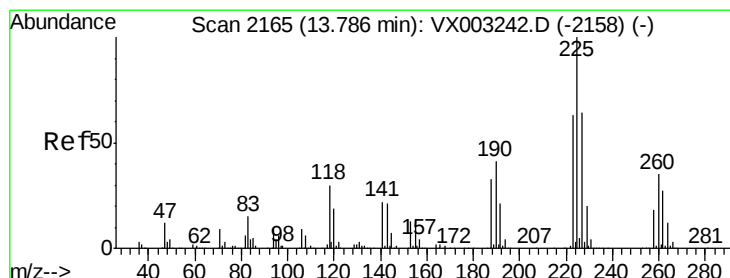
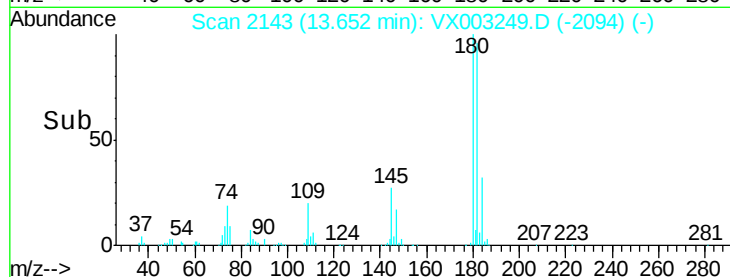
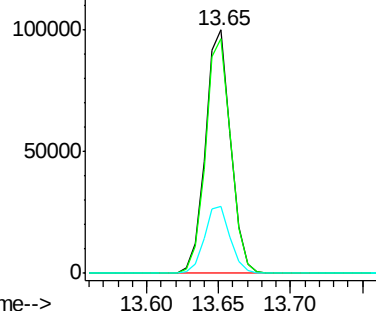
#93
 1,2,4-Trichlorobenzene
 Concen: 19.20 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX003249.D
 Acq: 09 Jul 2018 16:57

Instrument :
 MSVOA_X
 ClientSampled :
 VX0709MBS01

Tot Ion:180 Resp: 121998
 Ion Ratio Lower Upper
 180 100
 182 96.8 47.7 143.1
 145 27.9 14.1 42.4

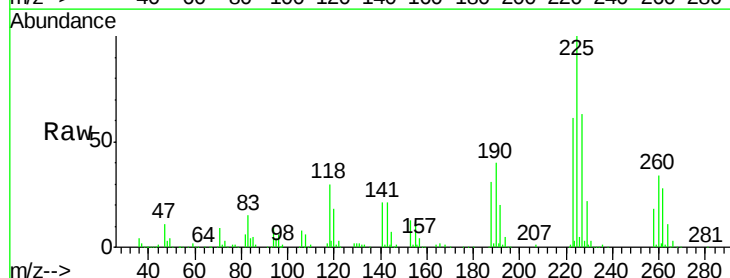


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

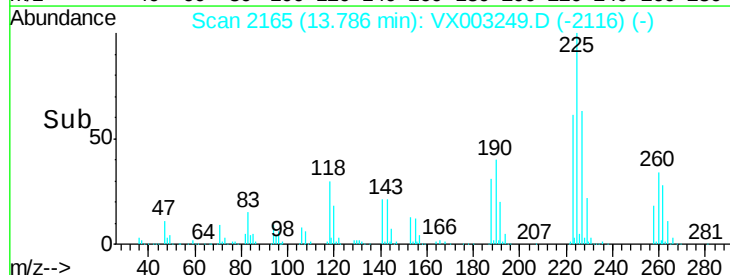
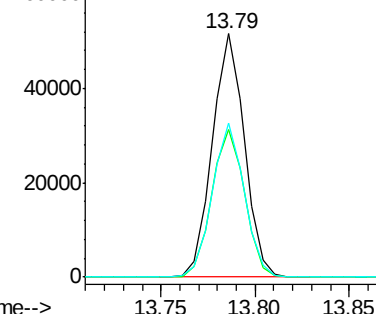


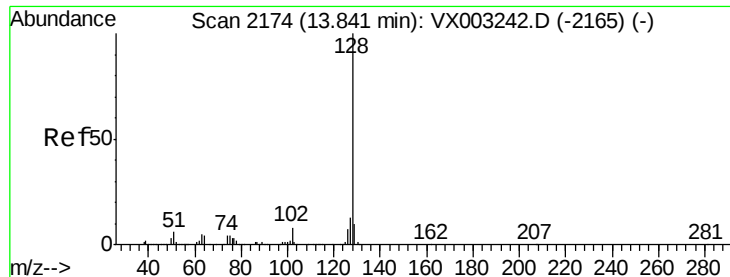
#94
 Hexachlorobutadiene
 Concen: 19.19 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX003249.D
 Acq: 09 Jul 2018 16:57

Tgt Ion:225 Resp: 60687
 Ion Ratio Lower Upper
 225 100
 223 62.2 31.6 95.0
 227 63.1 32.4 97.2



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





#95

Naphthalene

Concen: 20.43 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. 0.01 min

Lab File: VX003249.D

Acq: 09 Jul 2018 16:57

Instrument :

MSVOA_X

ClientSampleId :

VX0709MBS01

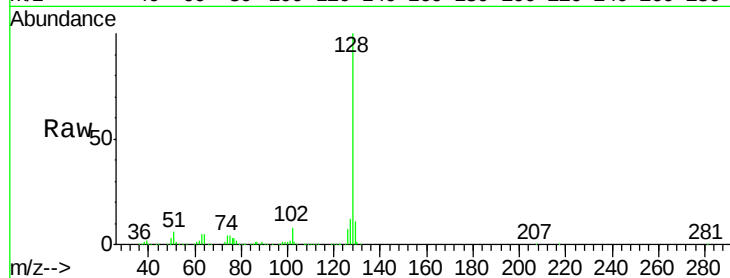
Tot Ion:128 Resp: 339653

Ion Ratio Lower Upper

128 100

127 12.9 10.4 15.6

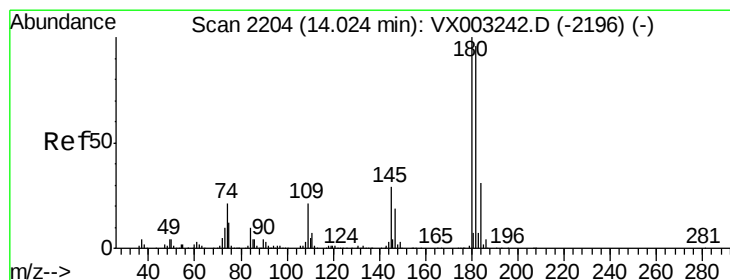
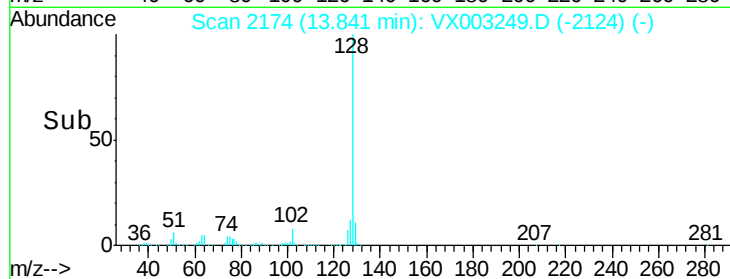
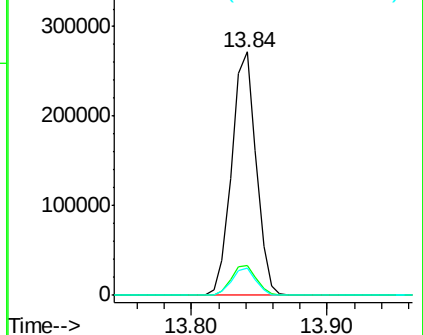
129 10.9 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 19.55 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VX003249.D

Acq: 09 Jul 2018 16:57

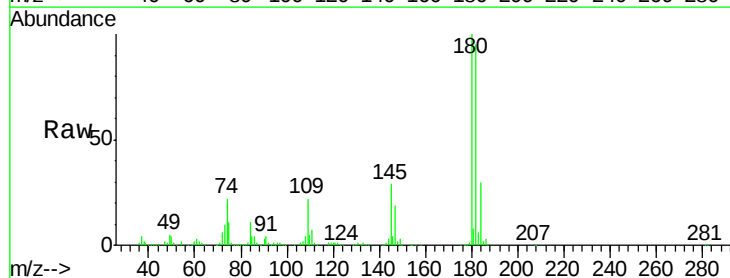
Tgt Ion:180 Resp: 123884

Ion Ratio Lower Upper

180 100

182 95.7 48.0 144.0

145 29.1 14.8 44.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

