

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX040718\
 Data File : VX000712.D
 Acq On : 07 Apr 2018 12:40
 Operator : JC/MD
 Sample : VSTDCICCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCICCC050

Quant Time: Apr 07 16:39:02 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X040718W.M
 Quant Title : SW846 8260
 QLast Update : Sat Apr 07 16:39:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.68	168	322962	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	448068	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	416541	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	246768	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.08	65	177804	50.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.00%	
35) Dibromofluoromethane	5.51	113	146333	50.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.00%	
50) Toluene-d8	8.73	98	537251	50.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.00%	
62) 4-Bromofluorobenzene	11.15	95	217821	50.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.00%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	144854	50.00	ug/l	100
3) Chloromethane	1.32	50	119120	50.00	ug/l	100
4) Vinyl Chloride	1.41	62	124433	50.00	ug/l	100
5) Bromomethane	1.64	94	68784	50.00	ug/l	100
6) Chloroethane	1.73	64	75991	50.00	ug/l	100
7) Trichlorofluoromethane	1.93	101	203702	50.00	ug/l	100
8) Diethyl Ether	2.20	74	75922	50.00	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.39	101	119356	50.00	ug/l	100
10) Methyl Iodide	2.52	142	130301	50.00	ug/l	100
11) Tert butyl alcohol	3.08	59	166253	250.00	ug/l	100
12) 1,1-Dichloroethene	2.38	96	107428	50.00	ug/l	100
13) Acrolein	2.30	56	64238	250.00	ug/l	100
14) Allyl chloride	2.73	41	214588	50.00	ug/l	100
15) Acrylonitrile	3.16	53	332596	250.00	ug/l	100
16) Acetone	2.45	43	279185	250.00	ug/l	100
17) Carbon Disulfide	2.57	76	255331	50.00	ug/l	100
18) Methyl Acetate	2.78	43	177728	50.00	ug/l	100
19) Methyl tert-butyl Ether	3.21	73	415085	50.00	ug/l	100
20) Methylene Chloride	2.86	84	122721	50.00	ug/l	100
21) trans-1,2-Dichloroethene	3.17	96	115138	50.00	ug/l	100
22) Diisopropyl ether	3.88	45	441493	50.00	ug/l	100
23) Vinyl Acetate	3.83	43	1919320	250.00	ug/l	100
24) 1,1-Dichloroethane	3.70	63	229854	50.00	ug/l	100
25) 2-Butanone	4.71	43	514388	250.00	ug/l	100
26) 2,2-Dichloropropane	4.59	77	228342	50.00	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	147914	50.00	ug/l	100
28) Bromochloromethane	5.03	49	101441	50.00	ug/l	100
29) Tetrahydrofuran	5.18	42	328148	250.00	ug/l	100
30) Chloroform	5.23	83	247000	50.00	ug/l	100
31) Cyclohexane	5.59	56	191871	50.00	ug/l	100
32) 1,1,1-Trichloroethane	5.51	97	235380	50.00	ug/l	100
36) 1,1-Dichloropropene	5.81	75	177468	50.00	ug/l	100
37) Ethyl Acetate	4.87	43	201466	50.00	ug/l	100
38) Carbon Tetrachloride	5.79	117	215414	50.00	ug/l	100

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Quant Time: Apr 07 16:39:02 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X040718W.M
 Quant Title : SW846 8260
 QLast Update : Sat Apr 07 16:39:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	203956	50.00	ug/l	100
40) Benzene	6.15	78	517436	50.00	ug/l	100
41) Methacrylonitrile	5.07	41	118692	50.00	ug/l	100
42) 1,2-Dichloroethane	6.21	62	206012	50.00	ug/l	100
43) Isopropyl Acetate	6.48	43	353816	50.00	ug/l	100
44) Trichloroethene	7.22	130	159163	50.00	ug/l	100
45) 1,2-Dichloropropane	7.52	63	139504	50.00	ug/l	100
46) Dibromomethane	7.67	93	95625	50.00	ug/l	100
47) Bromodichloromethane	7.91	83	201785	50.00	ug/l	100
48) Methyl methacrylate	7.79	41	181612	50.00	ug/l	100
49) 1,4-Dioxane	7.76	88	73617	1000.00	ug/l	100
51) 4-Methyl-2-Pentanone	8.66	43	1052207	250.00	ug/l	100
52) Toluene	8.79	92	345616	50.00	ug/l	100
53) t-1,3-Dichloropropene	8.45	75	239647	50.00	ug/l	100
54) cis-1,3-Dichloropropene	9.05	75	241210	50.00	ug/l	100
55) 1,1,2-Trichloroethane	9.23	97	142868	50.00	ug/l	100
56) Ethyl methacrylate	9.19	69	232254	50.00	ug/l	100
57) 1,3-Dichloropropane	9.38	76	229645	50.00	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	491762	250.00	ug/l	100
59) 2-Hexanone	9.51	43	809078	250.00	ug/l	100
60) Dibromochloromethane	9.59	129	179513	50.00	ug/l	100
61) 1,2-Dibromoethane	9.68	107	151992	50.00	ug/l	100
64) Tetrachloroethene	9.34	164	156167	50.00	ug/l	100
65) Chlorobenzene	10.15	112	411926	50.00	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	162068	50.00	ug/l	100
67) Ethyl Benzene	10.26	91	691591	50.00	ug/l	100
68) m/p-Xylenes	10.37	106	540669	100.00	ug/l	100
69) o-Xylene	10.71	106	265409	50.00	ug/l	100
70) Styrene	10.72	104	453722	50.00	ug/l	100
71) Bromoform	10.87	173	158982	50.00	ug/l	# 100
73) Isopropylbenzene	11.02	105	719480	50.00	ug/l	100
74) N-amyl acetate	6.48	43	353816	50.00	ug/l	# 100
75) 1,1,2,2-Tetrachloroethane	11.27	83	215239	50.00	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	272665	65.46	ug/l	84
77) Bromobenzene	11.26	156	205997	50.00	ug/l	100
78) n-propylbenzene	11.37	91	817620	50.00	ug/l	100
79) 2-Chlorotoluene	11.43	91	485337	50.00	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	619049	50.00	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	80014	50.02	ug/l	100
82) 4-Chlorotoluene	11.52	91	586776	50.00	ug/l	100
83) tert-Butylbenzene	11.78	119	638689	50.00	ug/l	100
84) 1,2,4-Trimethylbenzene	11.82	105	641337	50.00	ug/l	100
85) sec-Butylbenzene	11.95	105	748522	50.00	ug/l	100
86) p-Isopropyltoluene	12.07	119	697631	50.00	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	382866	50.00	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	389833	50.00	ug/l	100
89) n-Butylbenzene	12.40	91	618006	50.00	ug/l	100
90) Hexachloroethane	12.60	117	127622	50.00	ug/l	100
91) 1,2-Dichlorobenzene	12.40	146	377357	50.00	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	57772	50.00	ug/l	100

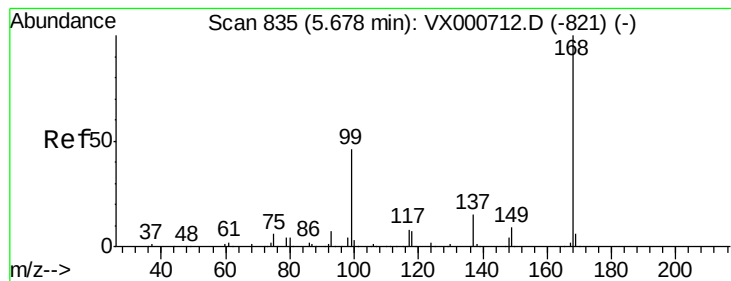
Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX040718\
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Quant Title : SW846 8260
QLast Update : Sat Apr 07 16:39:08 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	316724	50.00	ug/l	100
94) Hexachlorobutadiene	13.79	225	155408	50.00	ug/l	100
95) Naphthalene	13.84	128	859366	50.00	ug/l	100
96) 1,2,3-Trichlorobenzene	14.03	180	309812	50.00	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.68 min Scan# 835

Delta R.T. 0.00 min

Lab File: VX000712.D

Acq: 07 Apr 2018 12:40

Instrument :

MSVOA_X

ClientSampleId :

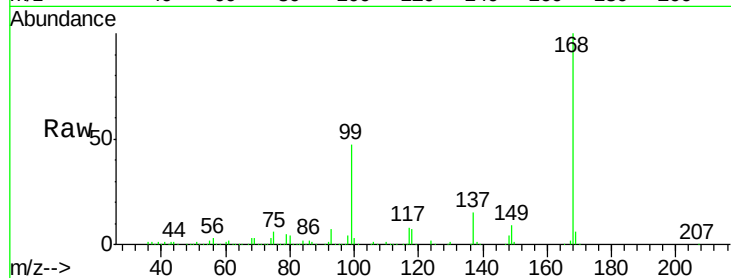
VSTDICCC050

Tgt Ion:168 Resp: 322962

Ion Ratio Lower Upper

168 100

99 46.5 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.68

120000

100000

80000

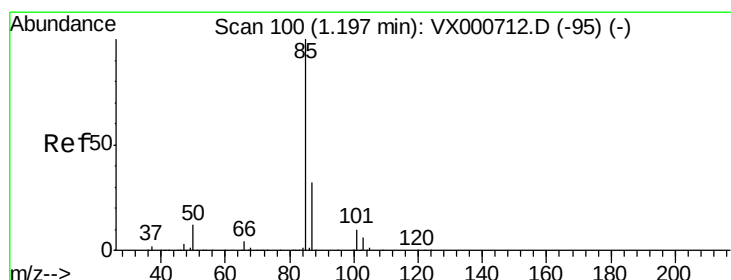
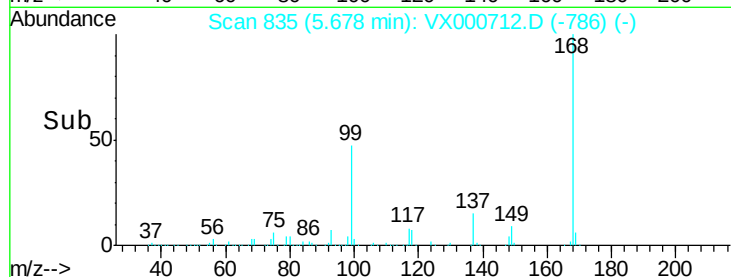
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 50.00 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX000712.D

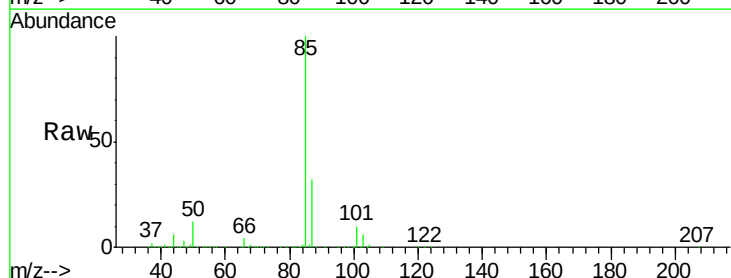
Acq: 07 Apr 2018 12:40

Tgt Ion: 85 Resp: 144854

Ion Ratio Lower Upper

85 100

87 32.4 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

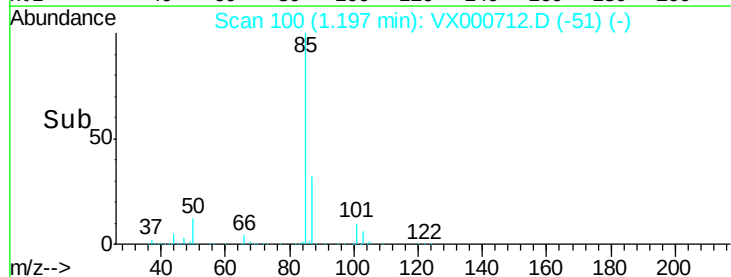
150000

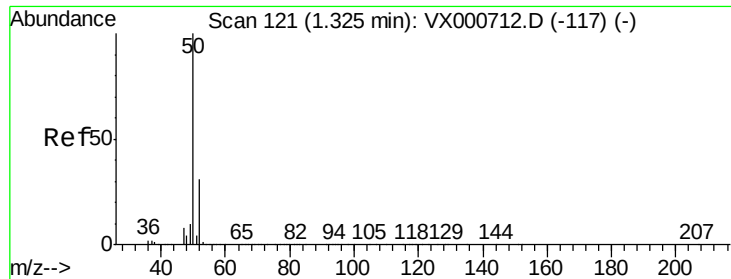
100000

50000

0

Time--> 1.10 1.20 1.30





#3

Chloromethane

Concen: 50.00 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX000712.D

Acq: 07 Apr 2018 12:40

Instrument :

MSVOA_X

ClientSampleId :

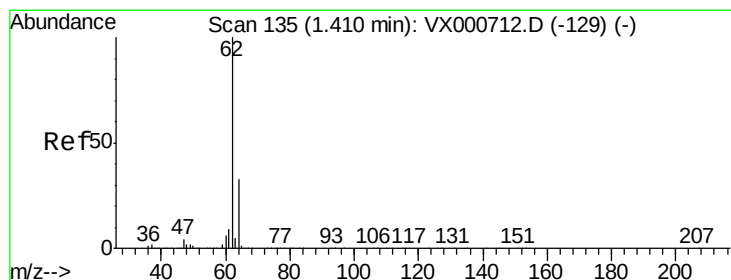
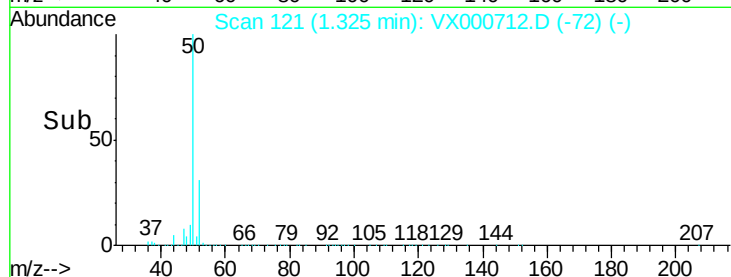
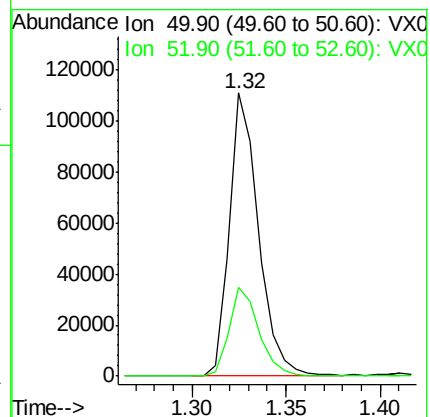
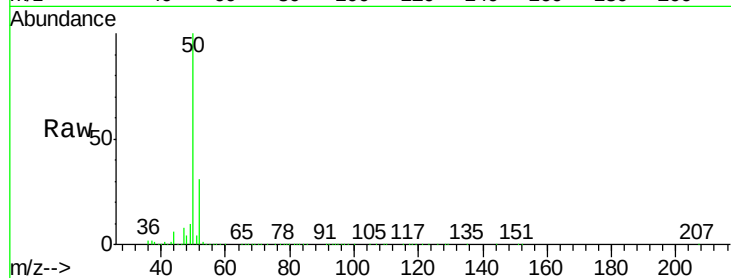
VSTDICCC050

Tgt Ion: 50 Resp: 119120

Ion Ratio Lower Upper

50 100

52 31.1 24.9 37.3



#4

Vinyl Chloride

Concen: 50.00 ug/l

RT: 1.41 min Scan# 135

Delta R.T. 0.00 min

Lab File: VX000712.D

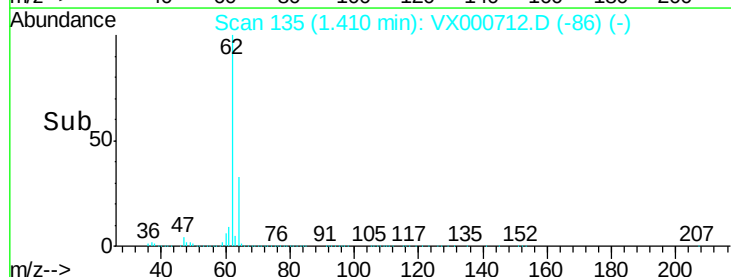
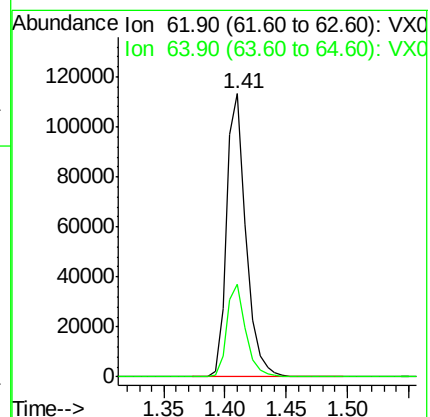
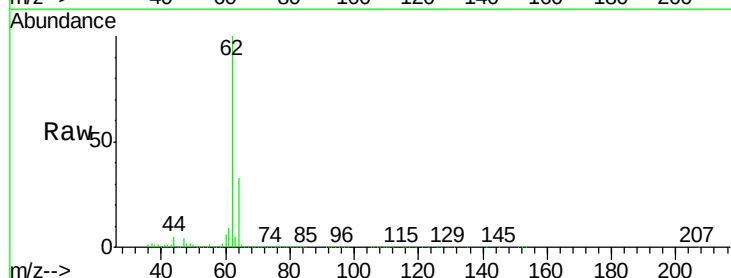
Acq: 07 Apr 2018 12:40

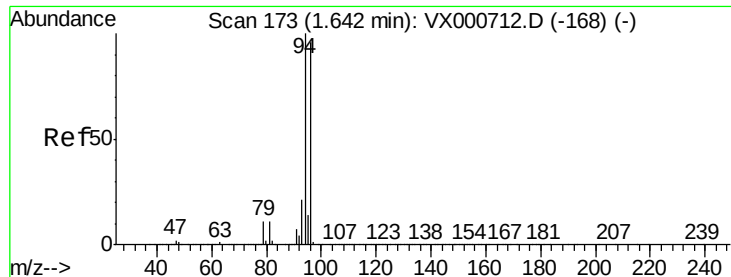
Tgt Ion: 62 Resp: 124433

Ion Ratio Lower Upper

62 100

64 32.7 26.2 39.2





#5

Bromomethane

Concen: 50.00 ug/l

RT: 1.64 min Scan# 173

Delta R.T. 0.00 min

Lab File: VX000712.D

Acq: 07 Apr 2018 12:40

Instrument :

MSVOA_X

ClientSampleId :

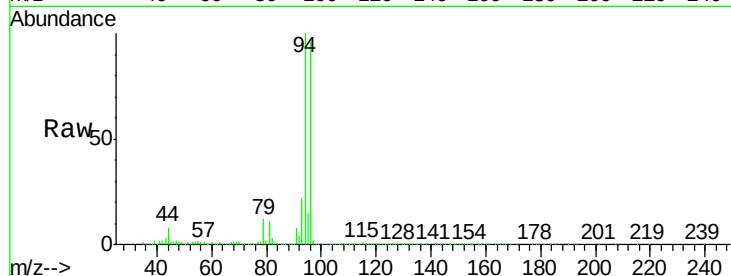
VSTDICCC050

Tgt Ion: 94 Resp: 68784

Ion Ratio Lower Upper

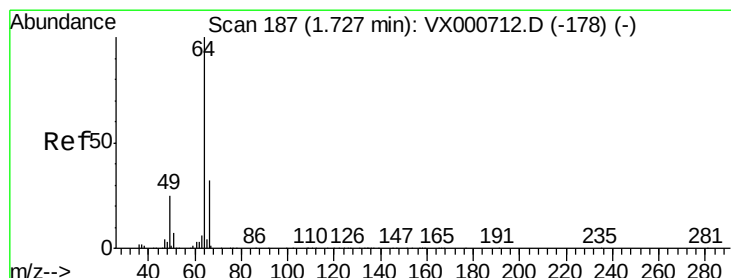
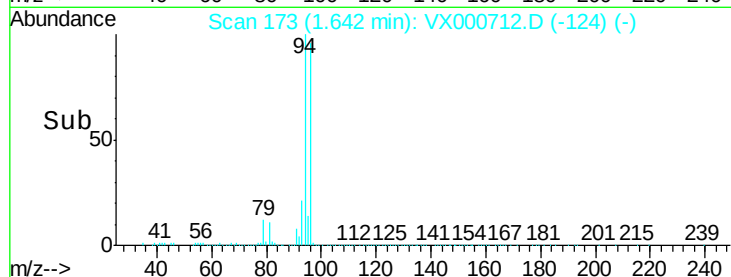
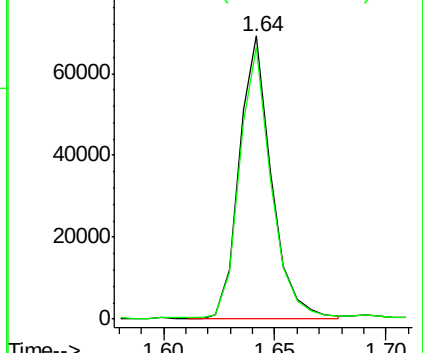
94 100

96 95.6 76.5 114.7



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 50.00 ug/l

RT: 1.73 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX000712.D

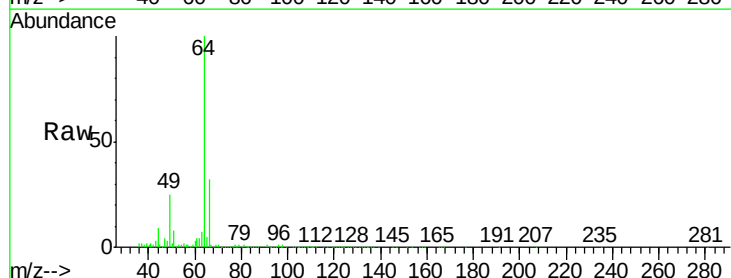
Acq: 07 Apr 2018 12:40

Tgt Ion: 64 Resp: 75991

Ion Ratio Lower Upper

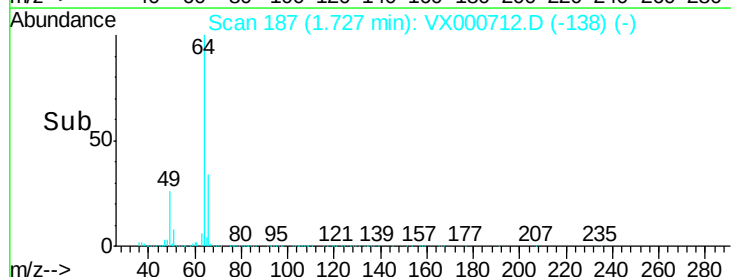
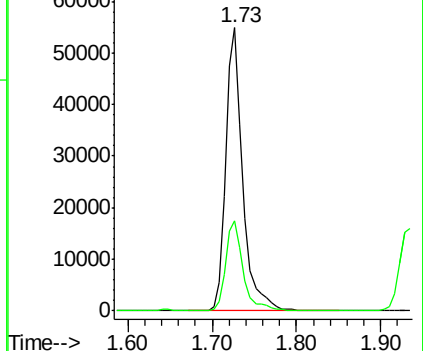
64 100

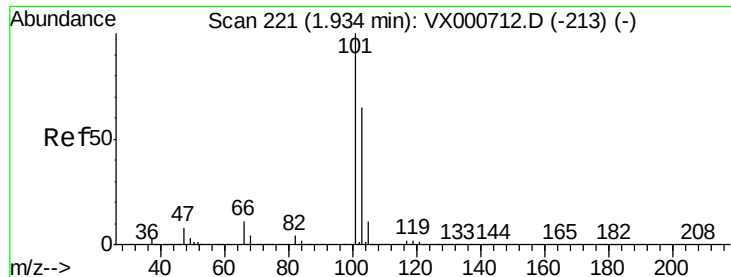
66 31.8 25.4 38.2



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



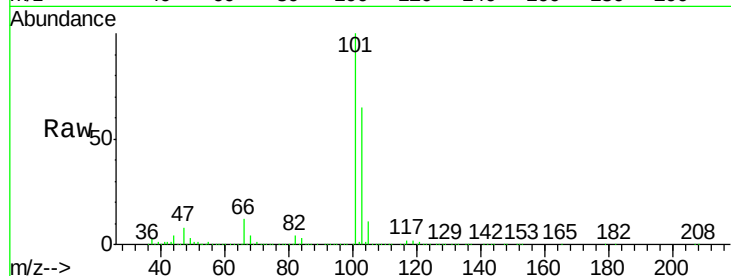


#7

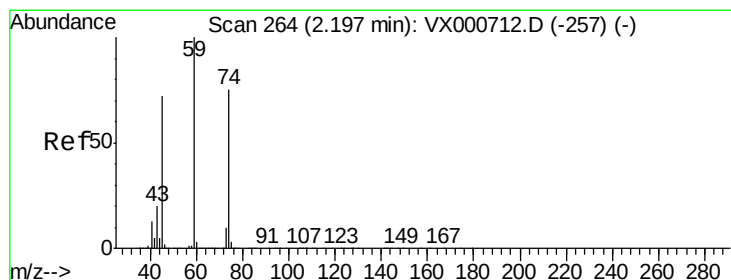
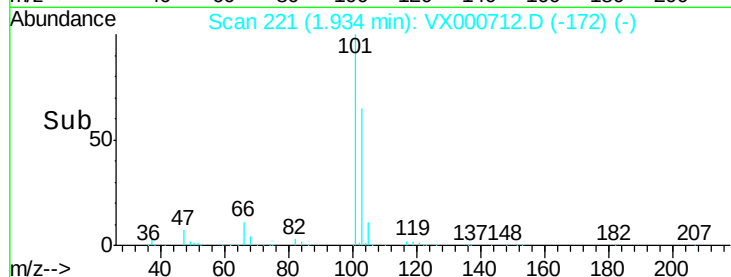
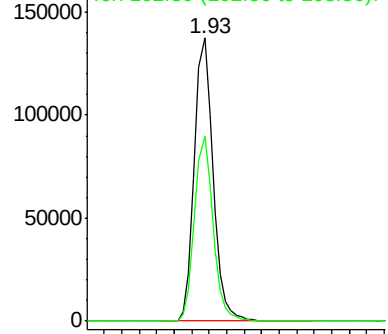
Trichlorofluoromethane
Concen: 50.00 ug/l
RT: 1.93 min Scan# 221
Delta R.T. 0.00 min
Lab File: VX000712.D
Acq: 07 Apr 2018 12:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:101 Resp: 203702
Ion Ratio Lower Upper
101 100
103 65.1 52.1 78.1



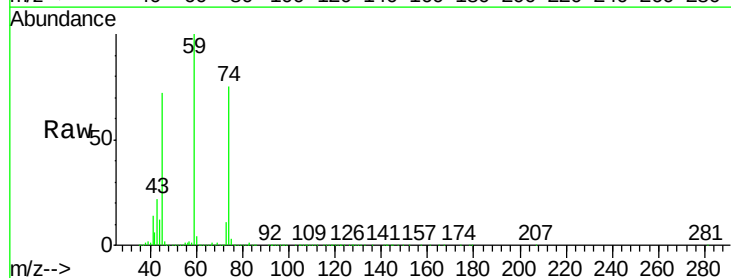
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



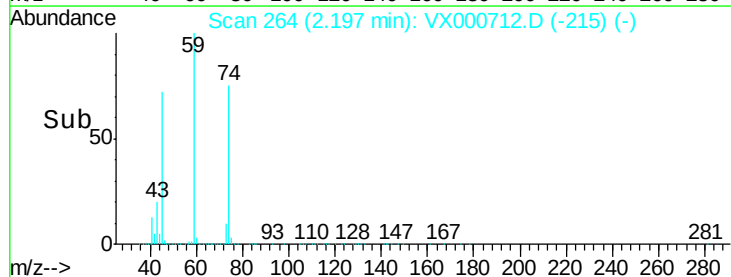
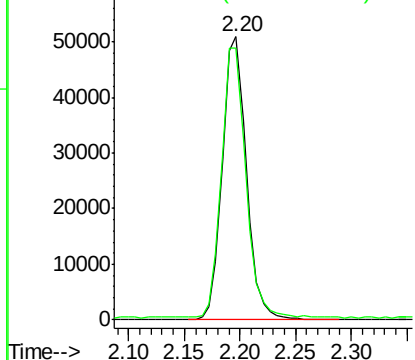
#8

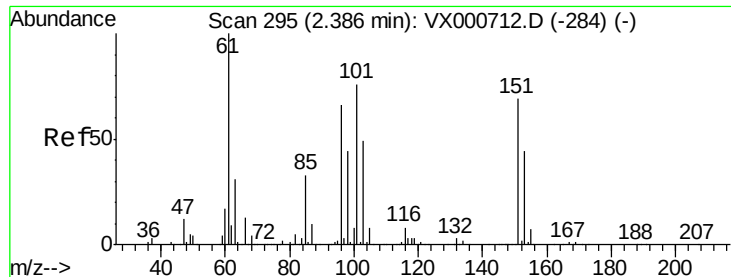
Diethyl Ether
Concen: 50.00 ug/l
RT: 2.20 min Scan# 264
Delta R.T. 0.00 min
Lab File: VX000712.D
Acq: 07 Apr 2018 12:40

Tgt Ion: 74 Resp: 75922
Ion Ratio Lower Upper
74 100
45 96.9 48.4 145.3



Abundance Ion 74.00 (73.70 to 74.70): VX0
Ion 45.00 (44.70 to 45.70): VX0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.00 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.00 min

Lab File: VX000712.D

Acq: 07 Apr 2018 12:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

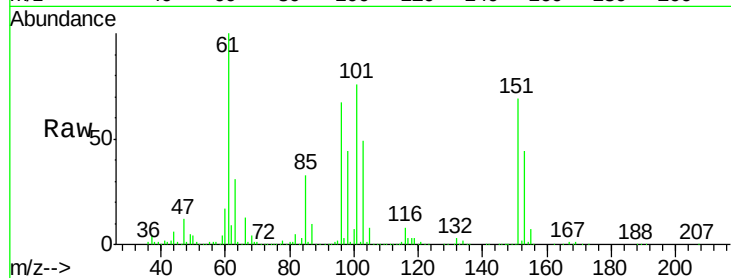
Tgt Ion:101 Resp: 119356

Ion Ratio Lower Upper

101 100

85 42.9 34.3 51.5

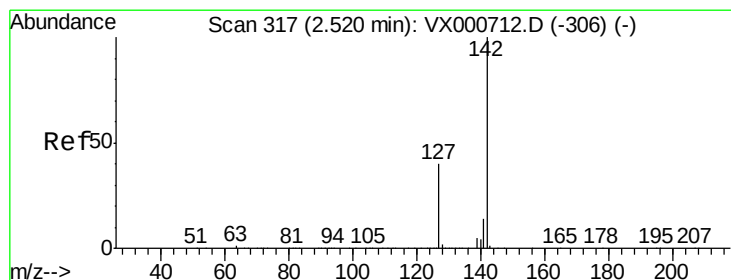
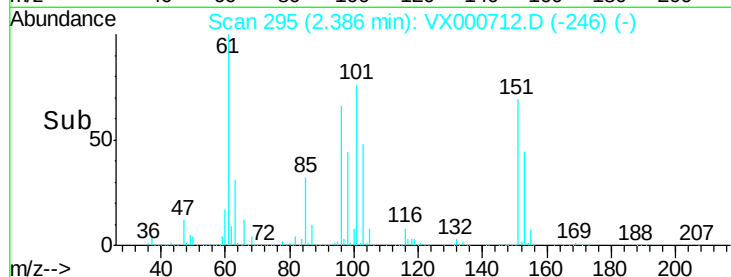
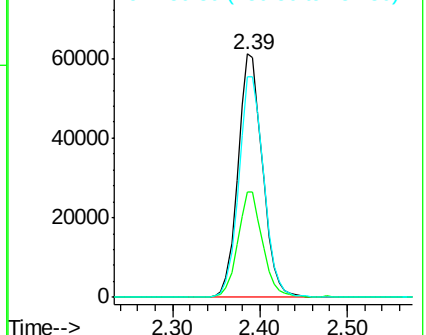
151 92.3 73.8 110.8



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: 50.00 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.00 min

Lab File: VX000712.D

Acq: 07 Apr 2018 12:40

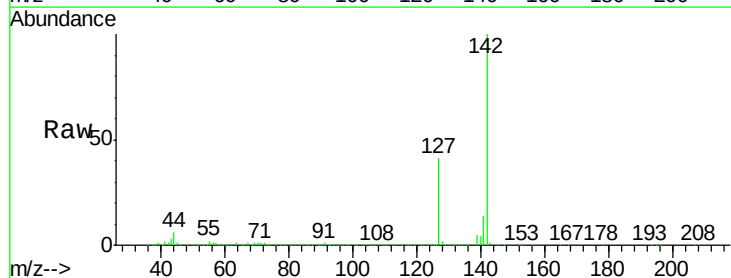
Tgt Ion:142 Resp: 130301

Ion Ratio Lower Upper

142 100

127 42.4 33.9 50.9

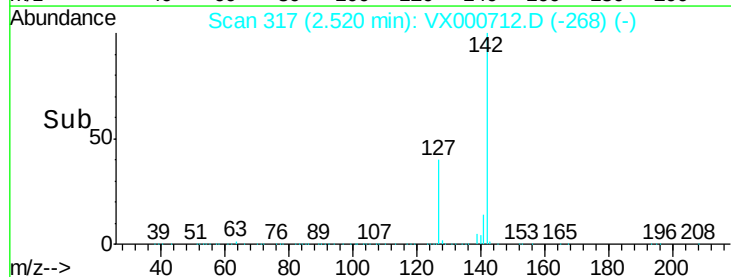
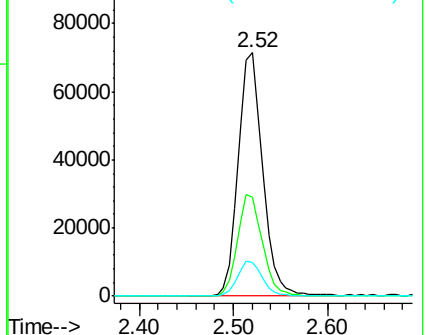
141 14.2 11.4 17.0

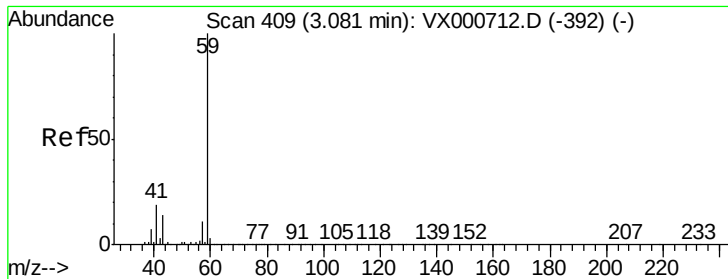


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

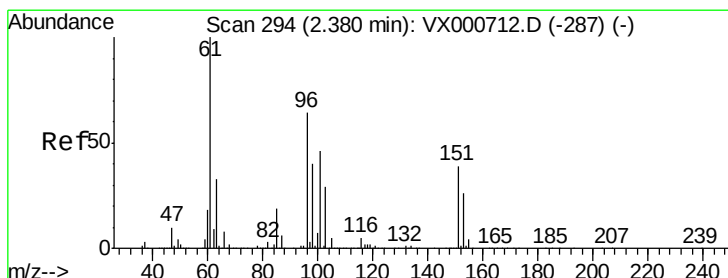
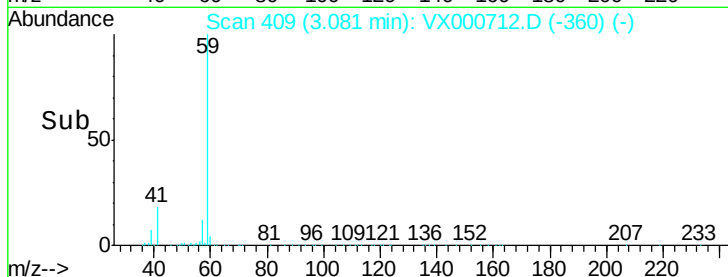
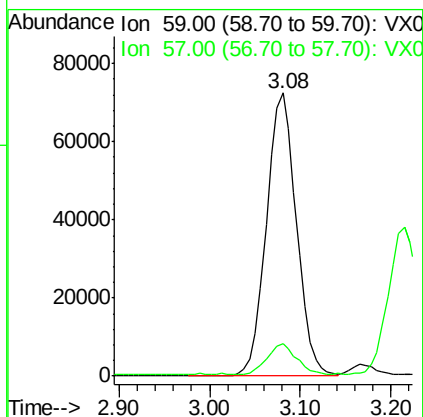
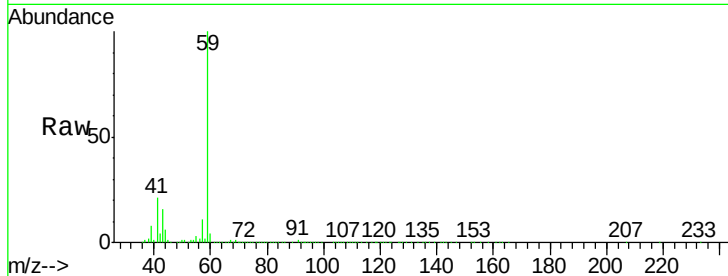




#11
Tert butyl alcohol
Concen: 250.00 ug/l
RT: 3.08 min Scan# 409
Delta R.T. 0.00 min
Lab File: VX000712.D
Acq: 07 Apr 2018 12:40

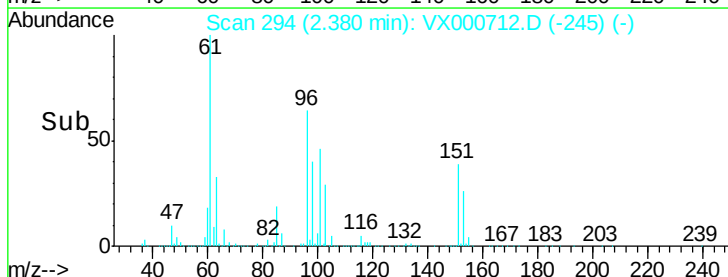
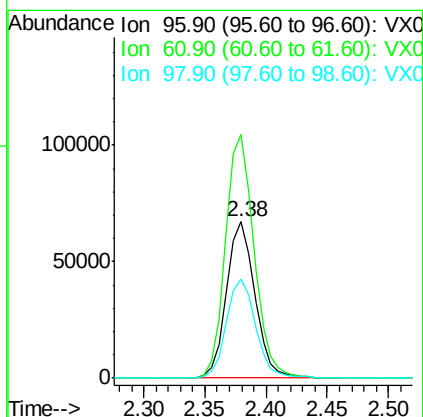
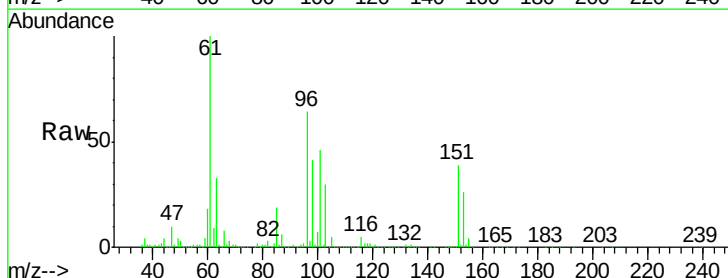
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

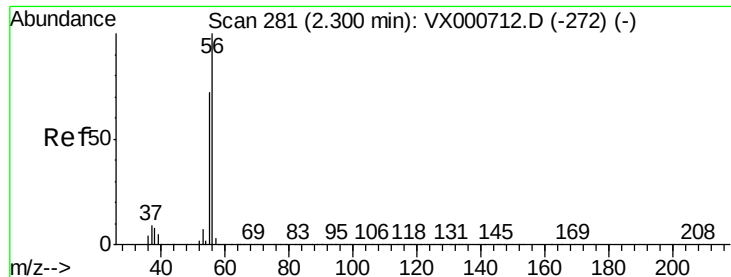
Tgt Ion: 59 Resp: 166253
Ion Ratio Lower Upper
59 100
57 10.5 8.4 12.6



#12
1,1-Dichloroethene
Concen: 50.00 ug/l
RT: 2.38 min Scan# 294
Delta R.T. 0.00 min
Lab File: VX000712.D
Acq: 07 Apr 2018 12:40

Tgt Ion: 96 Resp: 107428
Ion Ratio Lower Upper
96 100
61 156.2 125.0 187.4
98 63.1 50.5 75.7





#13

Acrolein

Concen: 250.00 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.00 min

Lab File: VX000712.D

Acq: 07 Apr 2018 12:40

Instrument :

MSVOA_X

ClientSampleId :

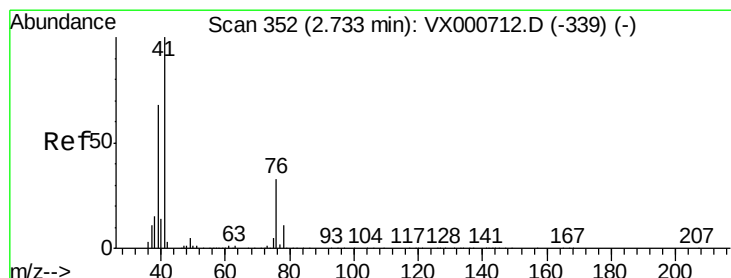
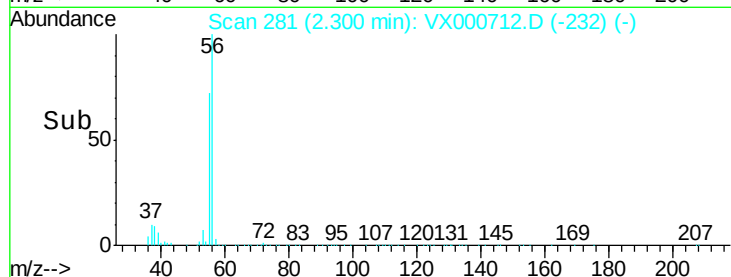
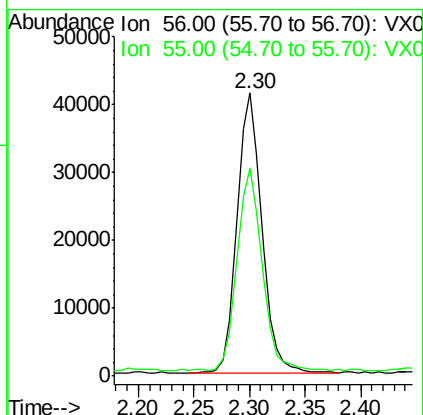
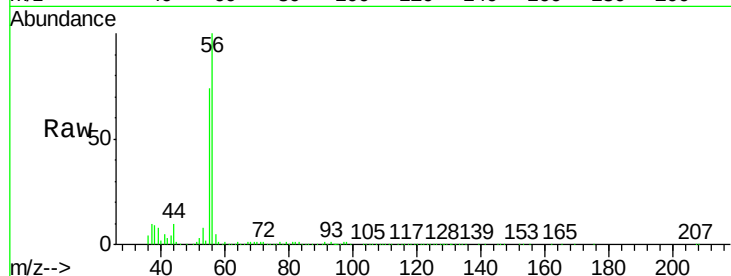
VSTDICCC050

Tgt Ion: 56 Resp: 64238

Ion Ratio Lower Upper

56 100

55 71.8 57.4 86.2



#14

Allyl chloride

Concen: 50.00 ug/l

RT: 2.73 min Scan# 352

Delta R.T. 0.00 min

Lab File: VX000712.D

Acq: 07 Apr 2018 12:40

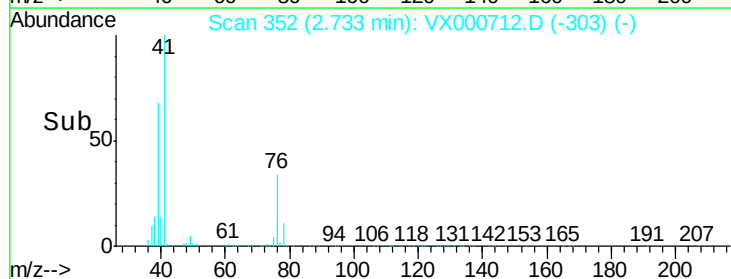
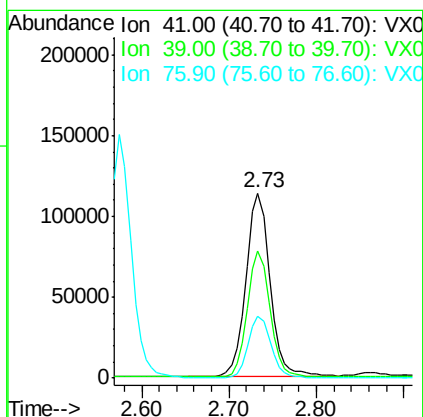
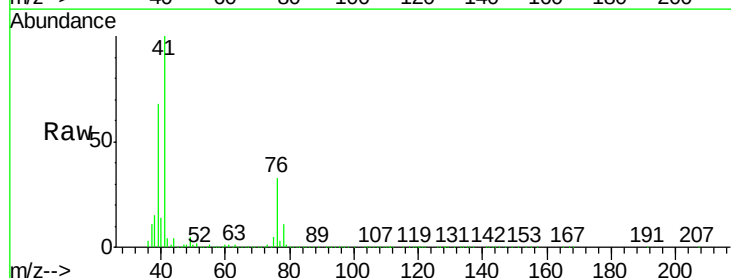
Tgt Ion: 41 Resp: 214588

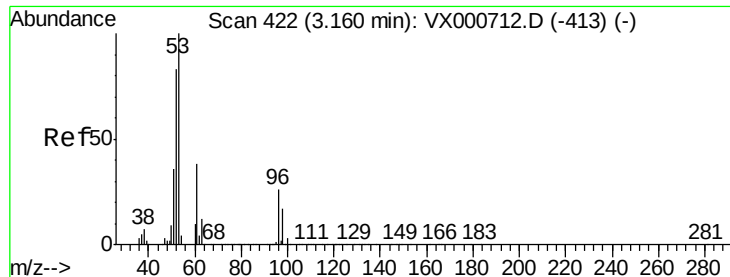
Ion Ratio Lower Upper

41 100

39 65.5 52.4 78.6

76 32.4 25.9 38.9





#15

Acrylonitrile

Concen: 250.00 ug/l

RT: 3.16 min Scan# 422

Delta R.T. 0.00 min

Lab File: VX000712.D

Acq: 07 Apr 2018 12:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

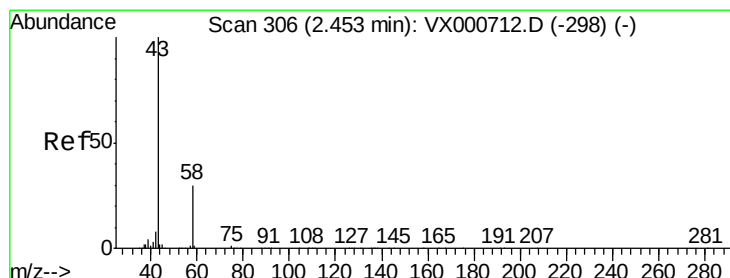
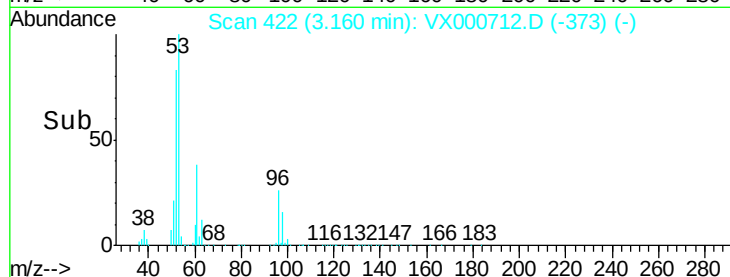
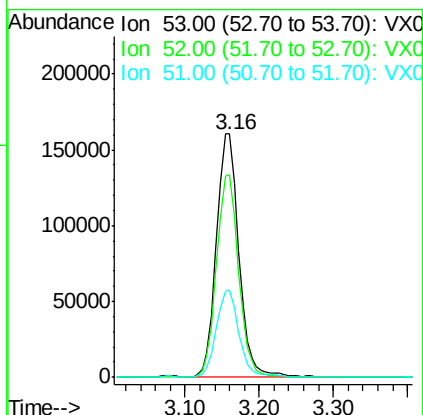
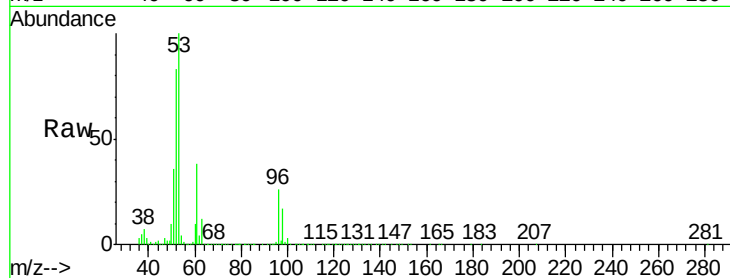
Tgt Ion: 53 Resp: 332596

Ion Ratio Lower Upper

53 100

52 82.6 66.1 99.1

51 36.4 29.1 43.7



#16

Acetone

Concen: 250.00 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX000712.D

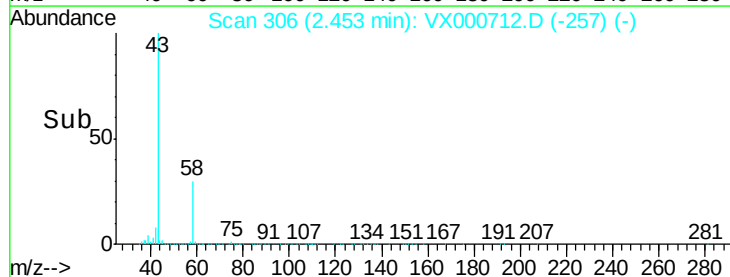
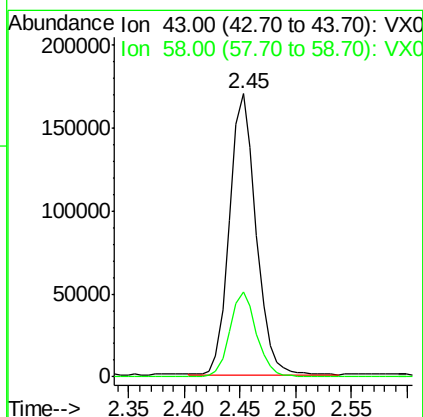
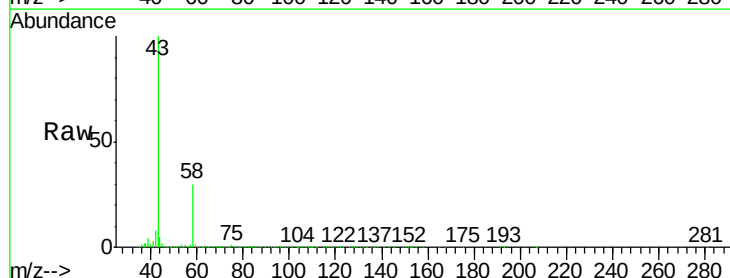
Acq: 07 Apr 2018 12:40

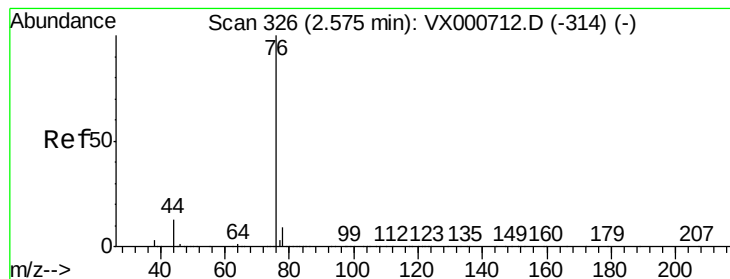
Tgt Ion: 43 Resp: 279185

Ion Ratio Lower Upper

43 100

58 30.0 24.0 36.0





#17

Carbon Disulfide

Concen: 50.00 ug/l

RT: 2.57 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX000712.D

Acq: 07 Apr 2018 12:40

Instrument :

MSVOA_X

ClientSampleId :

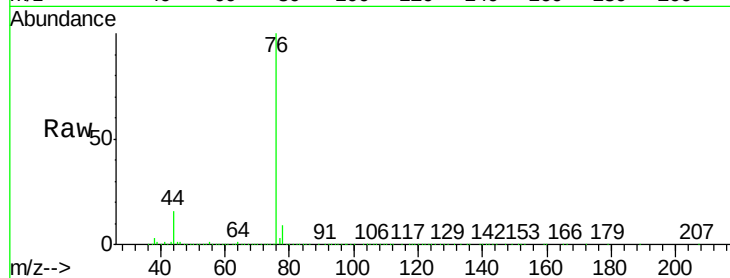
VSTDICCC050

Tgt Ion: 76 Resp: 255331

Ion Ratio Lower Upper

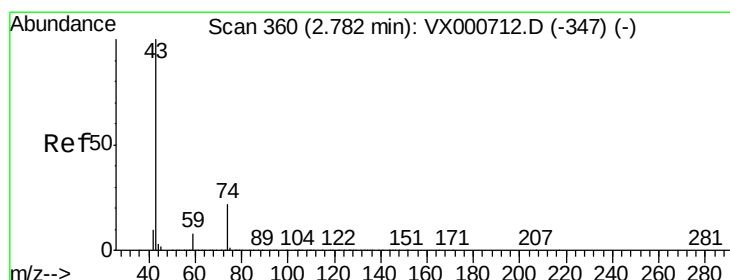
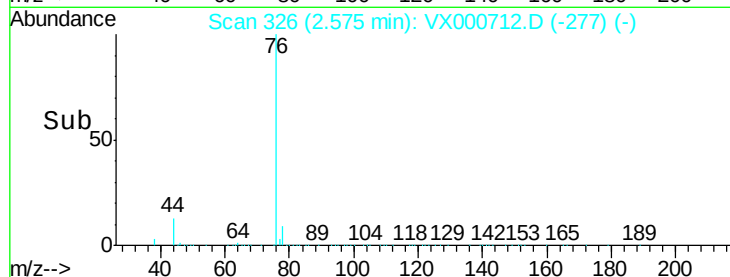
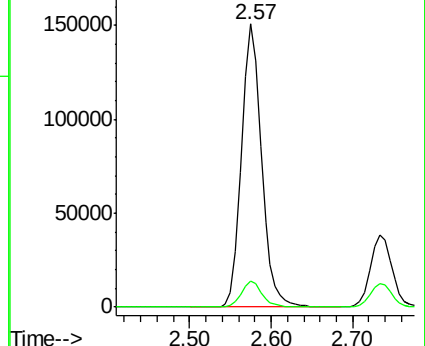
76 100

78 8.9 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 50.00 ug/l

RT: 2.78 min Scan# 360

Delta R.T. 0.00 min

Lab File: VX000712.D

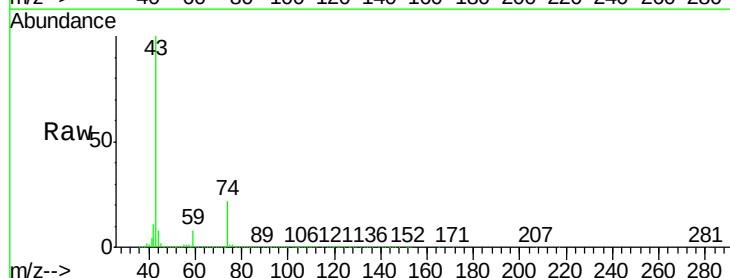
Acq: 07 Apr 2018 12:40

Tgt Ion: 43 Resp: 177728

Ion Ratio Lower Upper

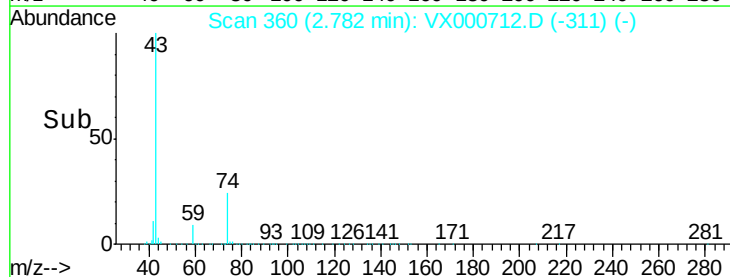
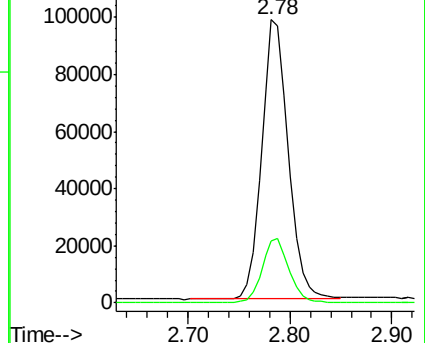
43 100

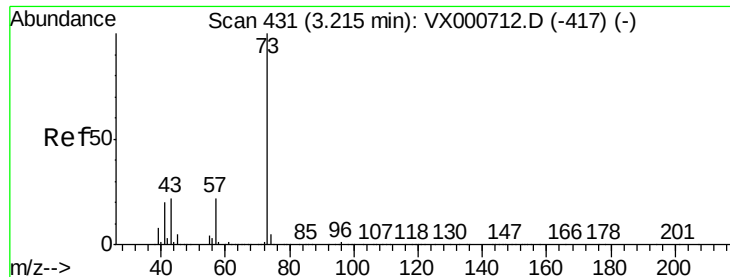
74 23.8 19.0 28.6



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: 50.00 ug/l

RT: 3.21 min Scan# 431

Delta R.T. 0.00 min

Lab File: VX000712.D

Acq: 07 Apr 2018 12:40

Instrument :

MSVOA_X

ClientSampleId :

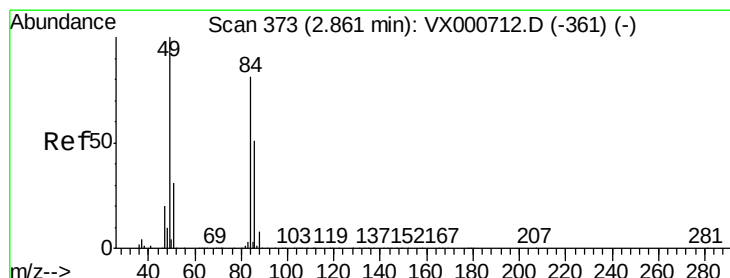
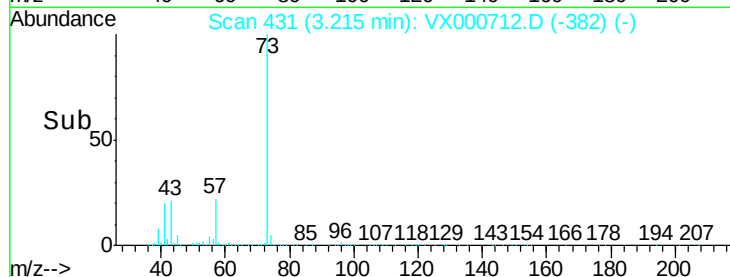
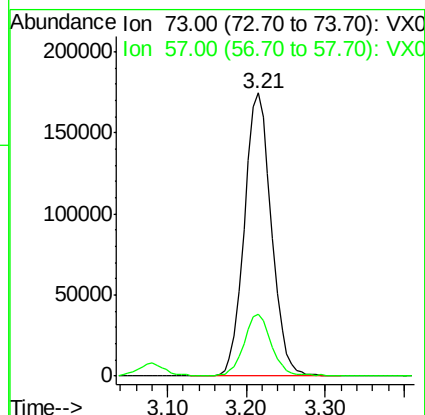
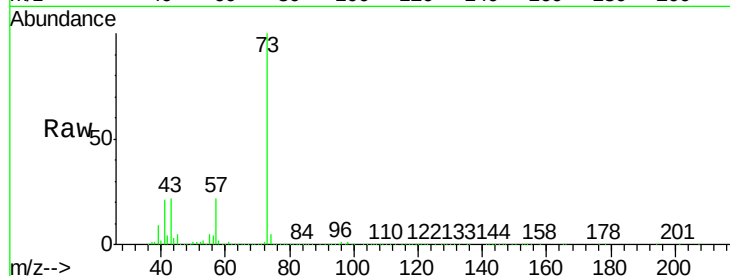
VSTDICCC050

Tgt Ion: 73 Resp: 415085

Ion Ratio Lower Upper

73 100

57 21.6 17.3 25.9



#20

Methylene Chloride

Concen: 50.00 ug/l

RT: 2.86 min Scan# 373

Delta R.T. 0.00 min

Lab File: VX000712.D

Acq: 07 Apr 2018 12:40

Tgt Ion: 84 Resp: 122721

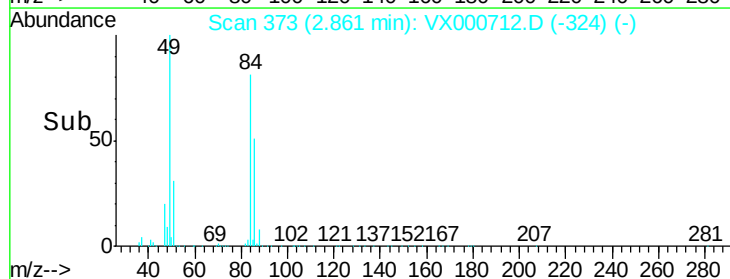
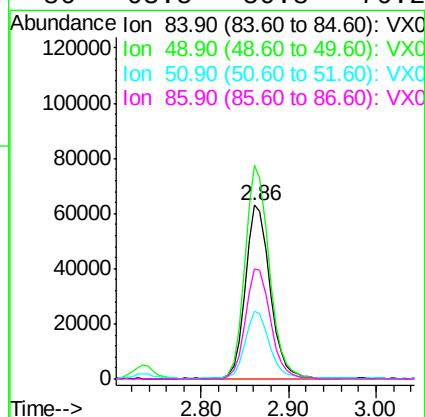
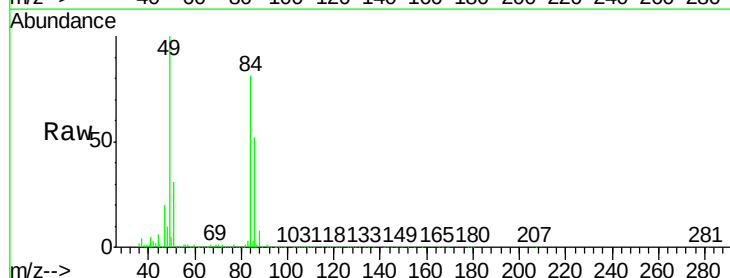
Ion Ratio Lower Upper

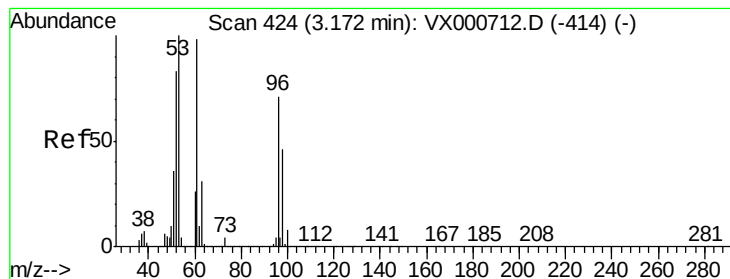
84 100

49 123.3 98.6 148.0

51 38.5 30.8 46.2

86 63.5 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 50.00 ug/l

RT: 3.17 min Scan# 424

Delta R.T. 0.00 min

Lab File: VX000712.D

Acq: 07 Apr 2018 12:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

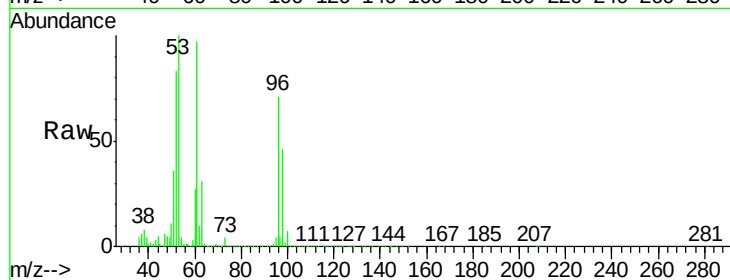
Tgt Ion: 96 Resp: 115138

Ion Ratio Lower Upper

96 100

61 137.2 109.8 164.6

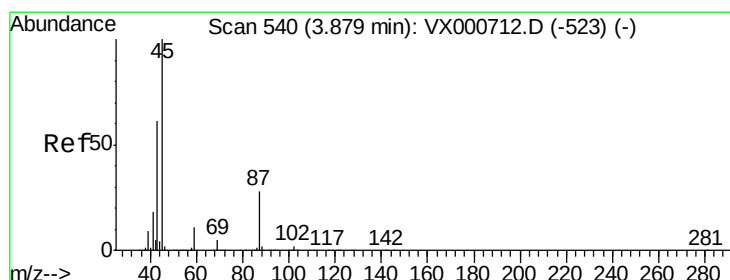
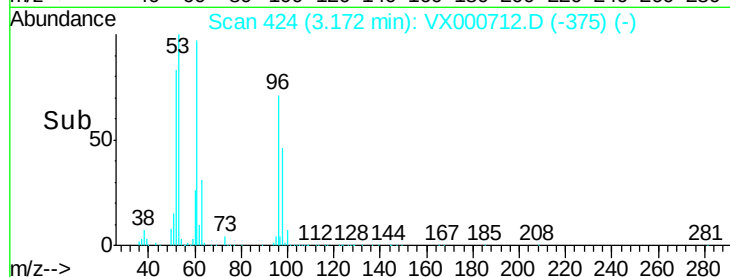
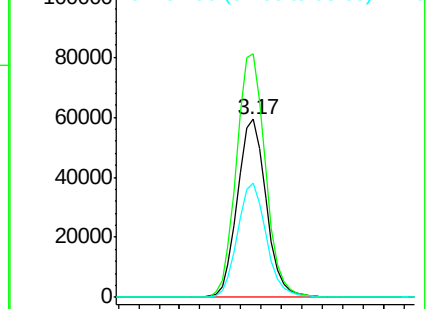
98 64.4 51.5 77.3



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: 50.00 ug/l

RT: 3.88 min Scan# 540

Delta R.T. 0.00 min

Lab File: VX000712.D

Acq: 07 Apr 2018 12:40

Tgt Ion: 45 Resp: 441493

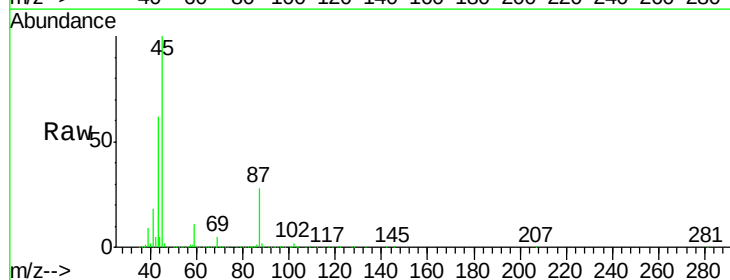
Ion Ratio Lower Upper

45 100

43 61.5 49.2 73.8

87 28.4 22.7 34.1

59 11.2 9.0 13.4

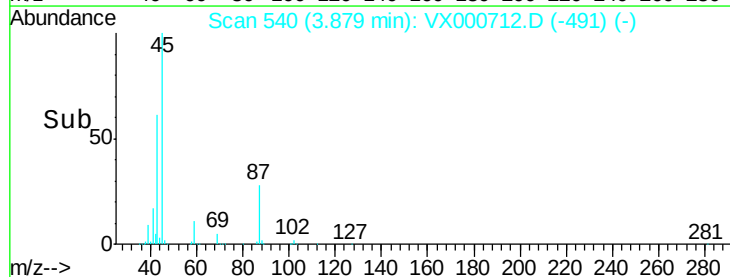
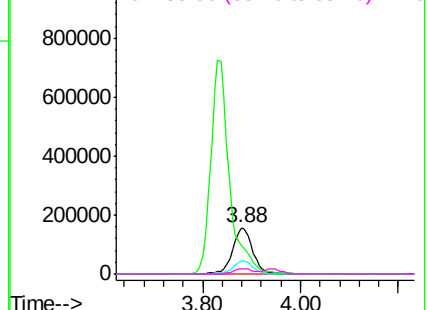


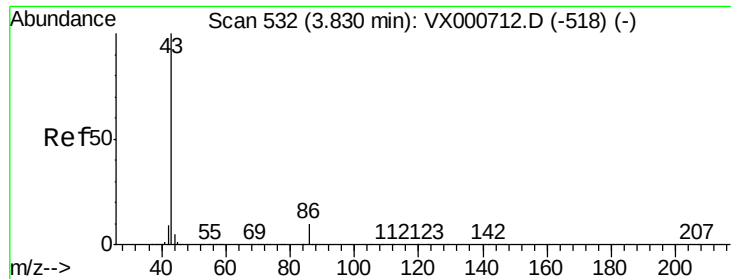
Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 250.00 ug/l

RT: 3.83 min Scan# 532

Delta R.T. 0.00 min

Lab File: VX000712.D

Acq: 07 Apr 2018 12:40

Instrument :

MSVOA_X

ClientSampleId :

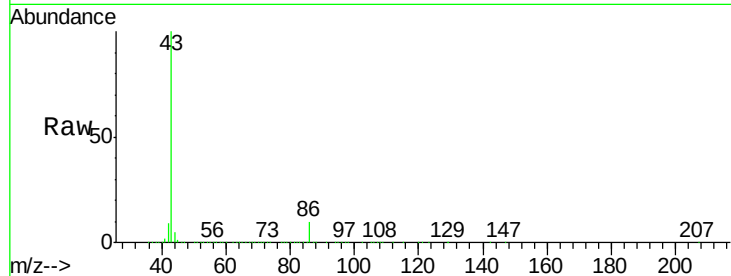
VSTDICCC050

Tgt Ion: 43 Resp: 1919320

Ion Ratio Lower Upper

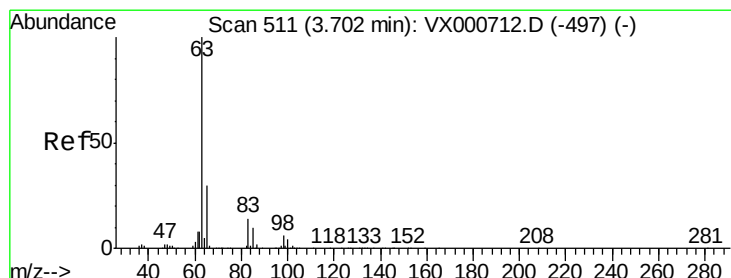
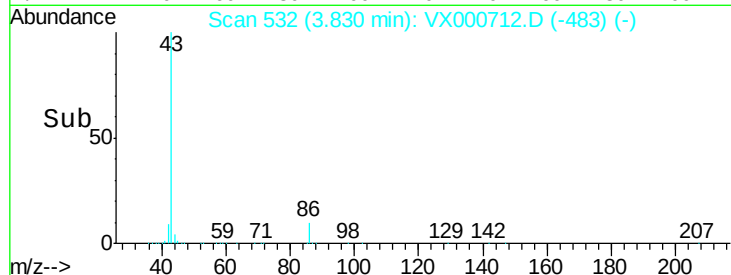
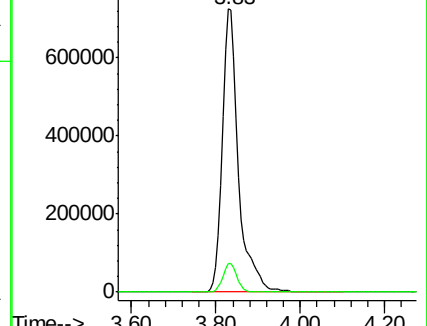
43 100

86 10.0 8.0 12.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 50.00 ug/l

RT: 3.70 min Scan# 511

Delta R.T. 0.00 min

Lab File: VX000712.D

Acq: 07 Apr 2018 12:40

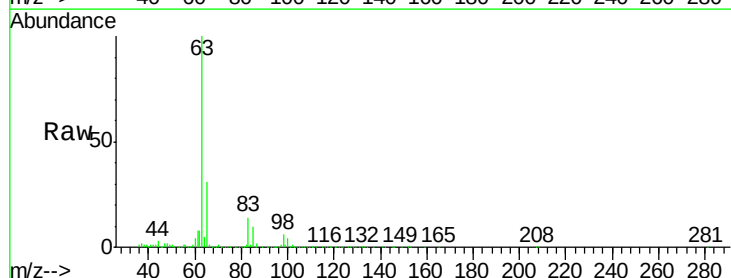
Tgt Ion: 63 Resp: 229854

Ion Ratio Lower Upper

63 100

98 5.9 2.9 8.8

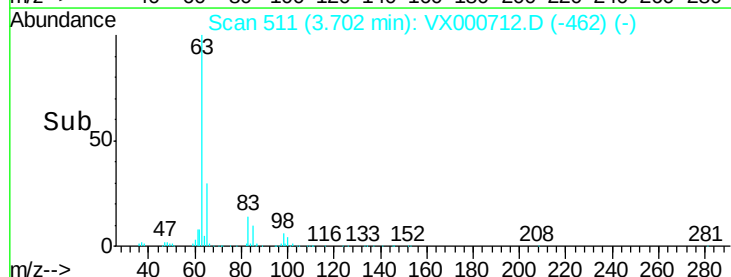
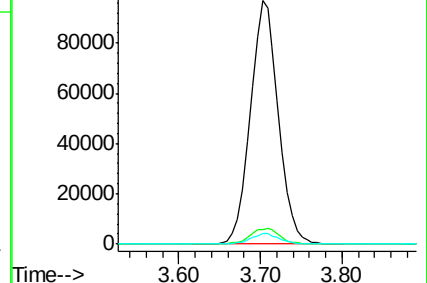
100 4.2 2.1 6.3

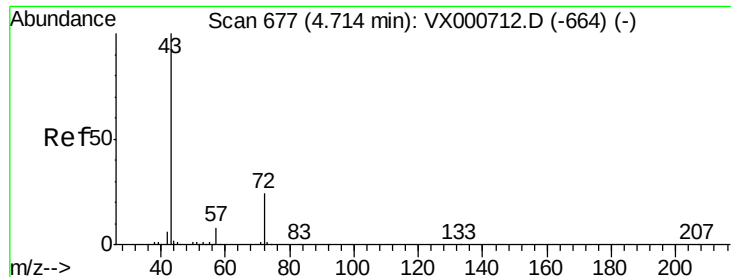


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 250.00 ug/l

RT: 4.71 min Scan# 677

Delta R.T. 0.00 min

Lab File: VX000712.D

Acq: 07 Apr 2018 12:40

Instrument :

MSVOA_X

ClientSampleId :

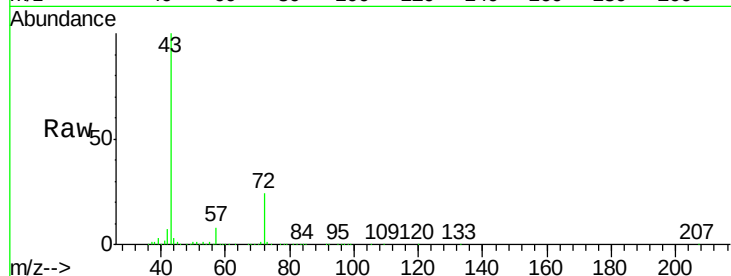
VSTDICCC050

Tgt Ion: 43 Resp: 514388

Ion Ratio Lower Upper

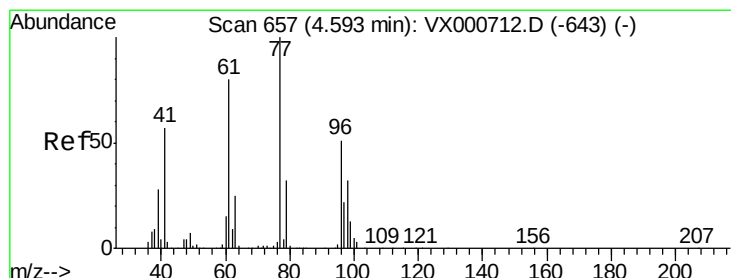
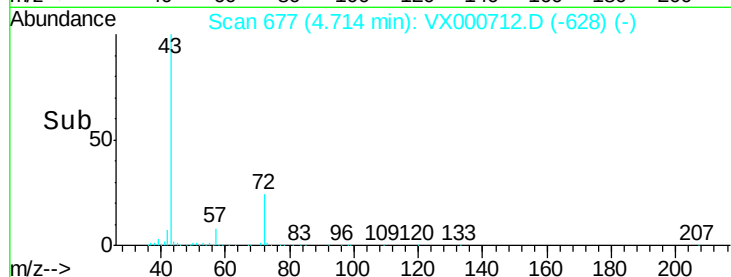
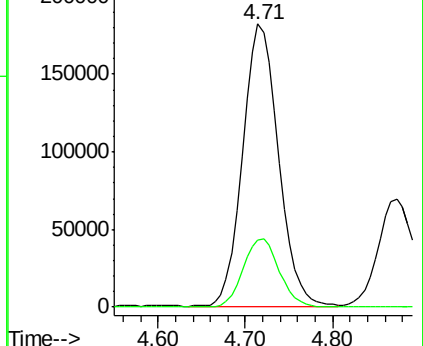
43 100

72 23.7 19.0 28.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 50.00 ug/l

RT: 4.59 min Scan# 657

Delta R.T. 0.00 min

Lab File: VX000712.D

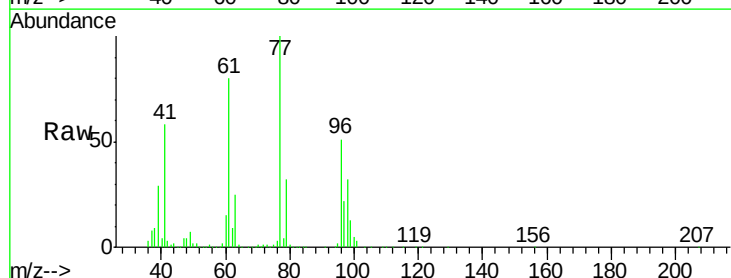
Acq: 07 Apr 2018 12:40

Tgt Ion: 77 Resp: 228342

Ion Ratio Lower Upper

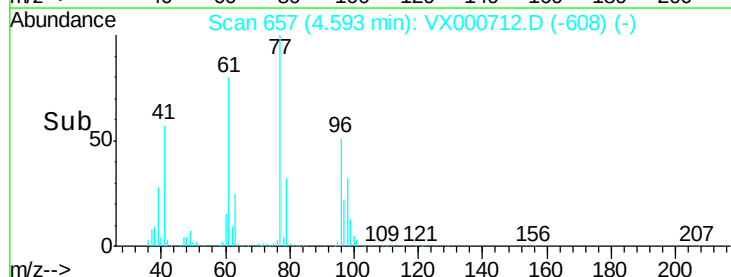
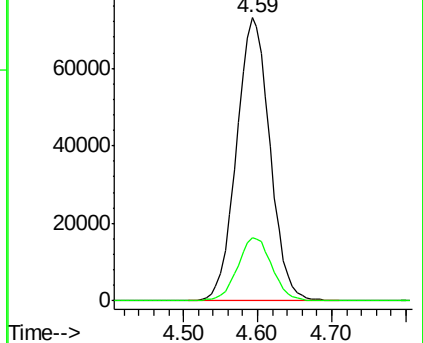
77 100

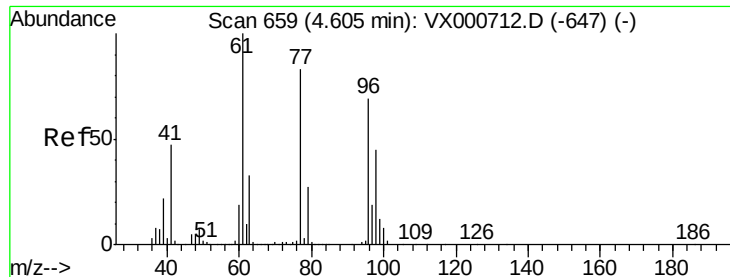
97 22.6 11.3 33.9



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: 50.00 ug/l

RT: 4.60 min Scan# 659

Delta R.T. 0.00 min

Lab File: VX000712.D

Acq: 07 Apr 2018 12:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

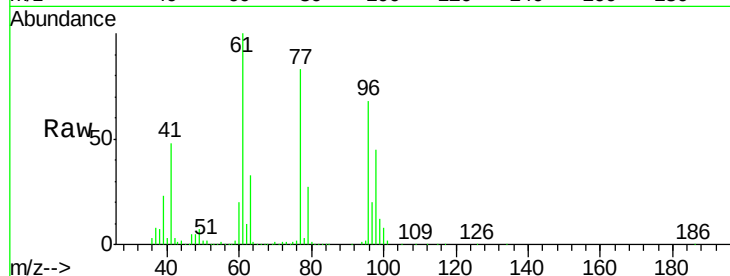
Tgt Ion: 96 Resp: 147914

Ion Ratio Lower Upper

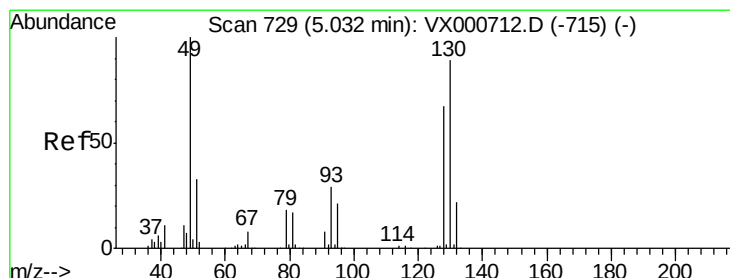
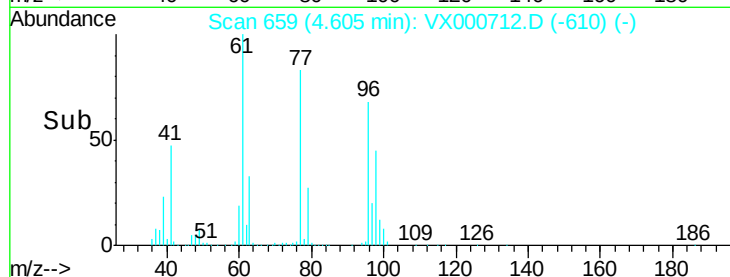
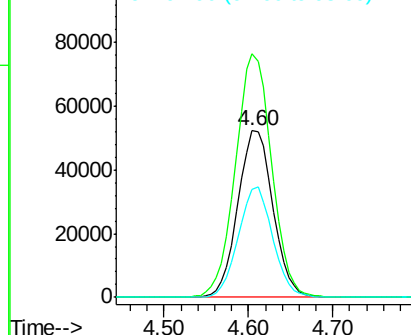
96 100

61 150.5 0.0 301.0

98 64.8 0.0 129.6



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



#28

Bromochloromethane

Concen: 50.00 ug/l

RT: 5.03 min Scan# 729

Delta R.T. 0.00 min

Lab File: VX000712.D

Acq: 07 Apr 2018 12:40

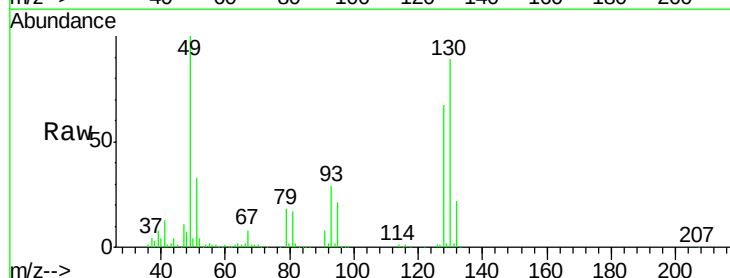
Tgt Ion: 49 Resp: 101441

Ion Ratio Lower Upper

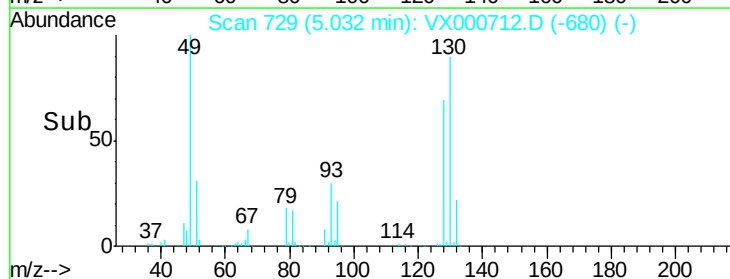
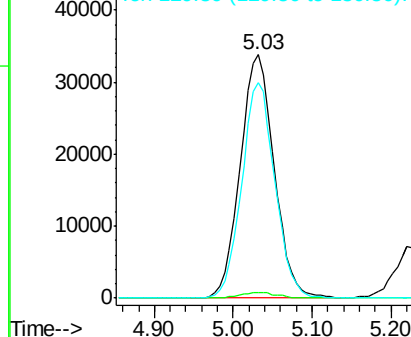
49 100

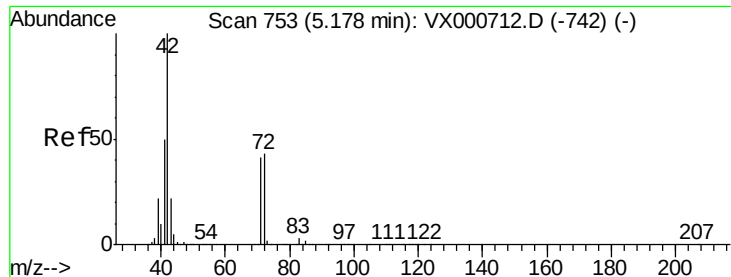
129 2.7 0.0 5.4

130 86.2 69.0 103.4



Abundance Ion 48.90 (48.60 to 49.60): VX0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

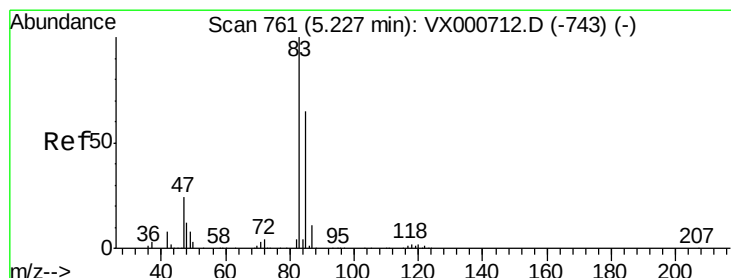
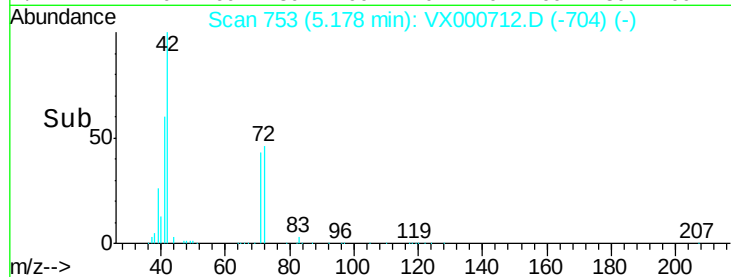
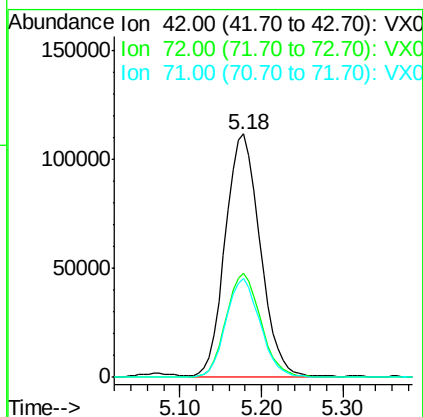
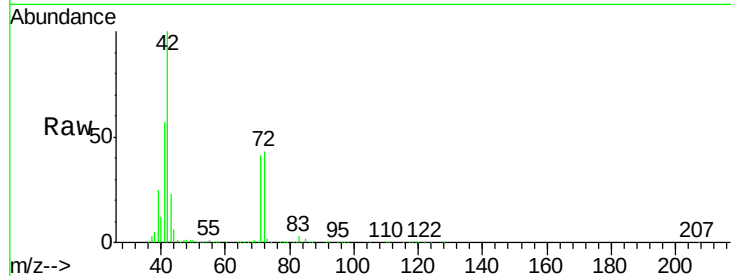




#29
Tetrahydrofuran
Concen: 250.00 ug/l
RT: 5.18 min Scan# 753
Delta R.T. 0.00 min
Lab File: VX000712.D
Acq: 07 Apr 2018 12:40

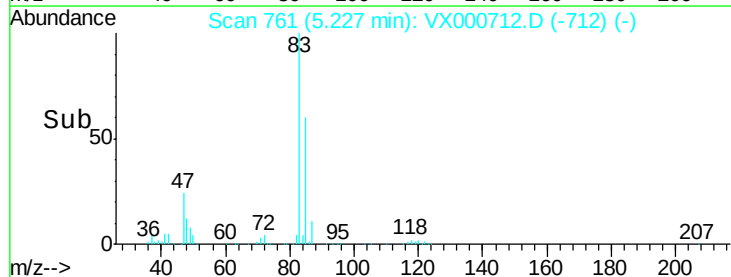
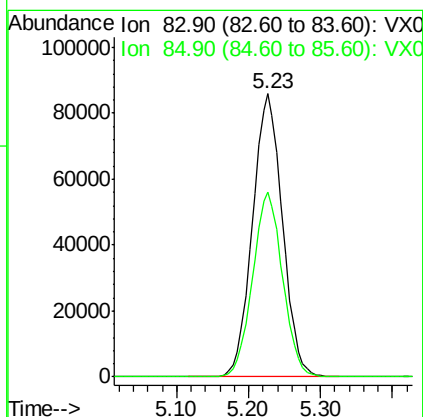
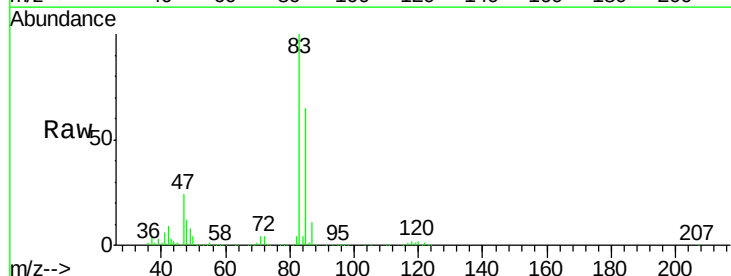
Instrument :
MSVOA_X
ClientSampled :
VSTDICCC050

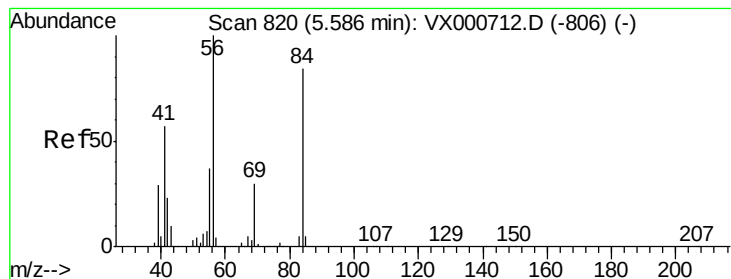
Tgt Ion: 42 Resp: 328148
Ion Ratio Lower Upper
42 100
72 43.0 34.4 51.6
71 40.0 32.0 48.0



#30
Chloroform
Concen: 50.00 ug/l
RT: 5.23 min Scan# 761
Delta R.T. 0.00 min
Lab File: VX000712.D
Acq: 07 Apr 2018 12:40

Tgt Ion: 83 Resp: 247000
Ion Ratio Lower Upper
83 100
85 65.4 52.3 78.5





#31

Cyclohexane

Concen: 50.00 ug/l

RT: 5.59 min Scan# 820

Delta R.T. 0.00 min

Lab File: VX000712.D

Acq: 07 Apr 2018 12:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

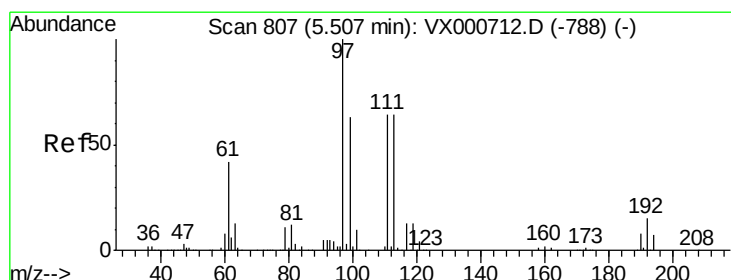
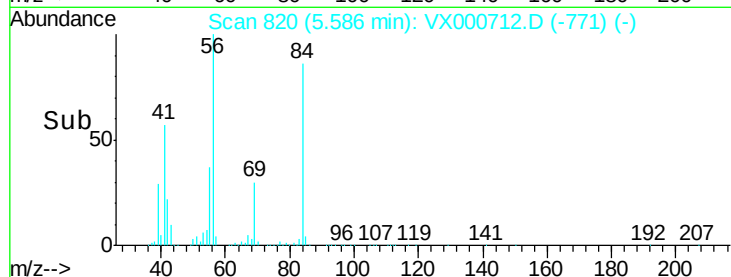
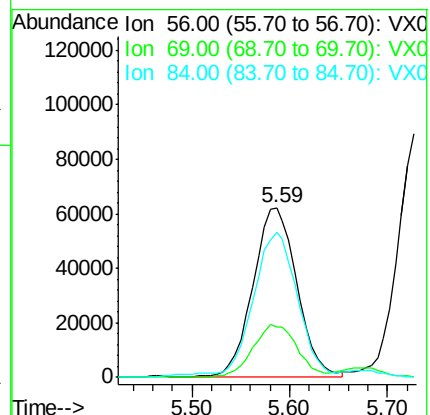
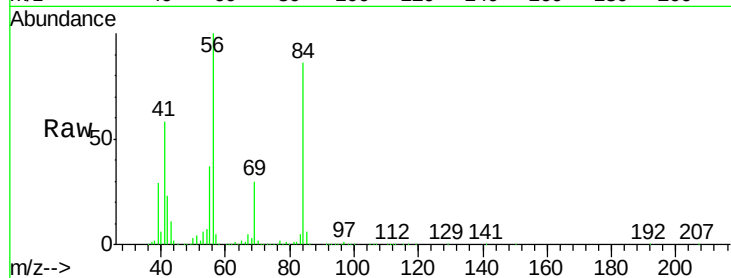
Tgt Ion: 56 Resp: 191871

Ion Ratio Lower Upper

56 100

69 29.7 23.8 35.6

84 84.3 67.4 101.2



#32

1,1,1-Trichloroethane

Concen: 50.00 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.00 min

Lab File: VX000712.D

Acq: 07 Apr 2018 12:40

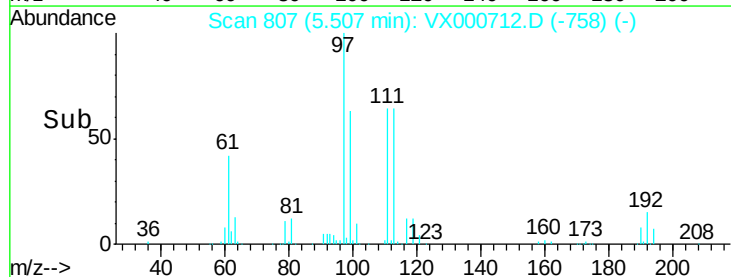
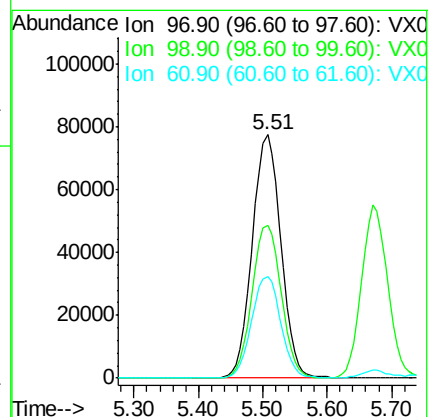
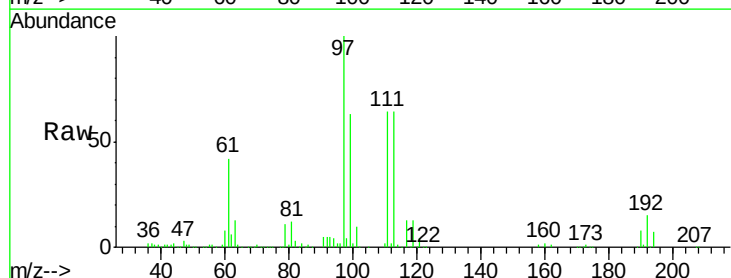
Tgt Ion: 97 Resp: 235380

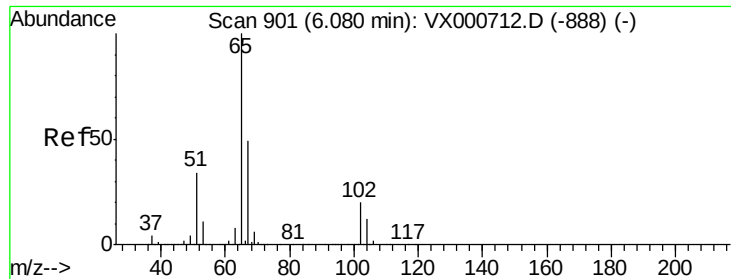
Ion Ratio Lower Upper

97 100

99 64.3 51.4 77.2

61 42.8 34.2 51.4

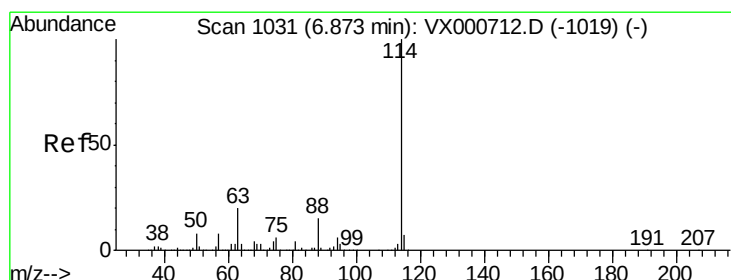
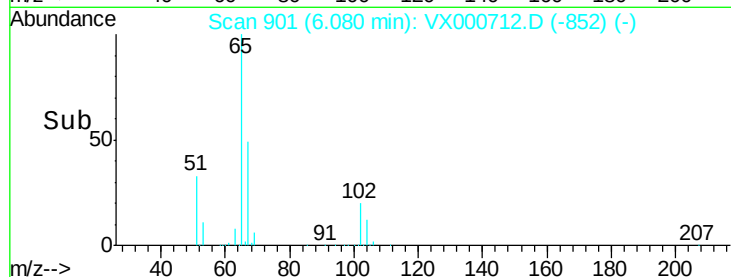
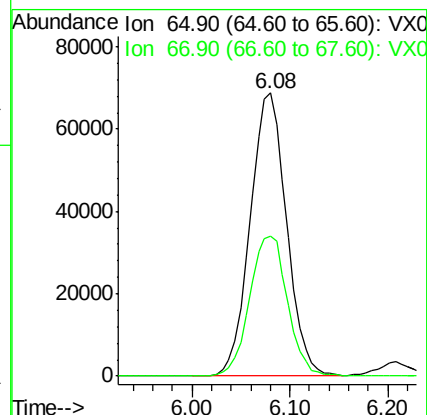
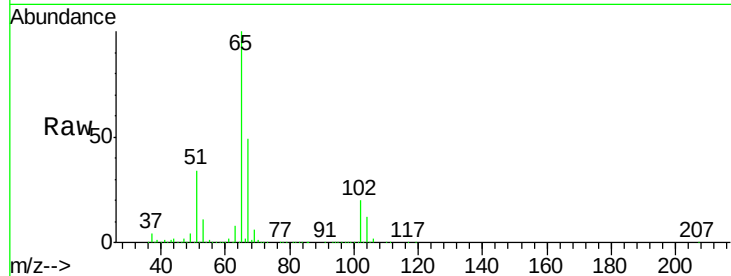




#33
 1,2-Dichloroethane-d4
 Concen: 50.00 ug/l
 RT: 6.08 min Scan# 901
 Delta R.T. 0.00 min
 Lab File: VX000712.D
 Acq: 07 Apr 2018 12:40

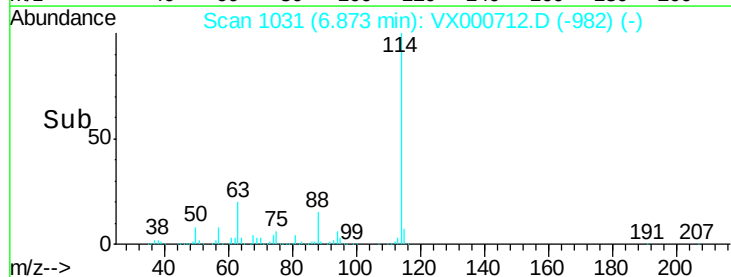
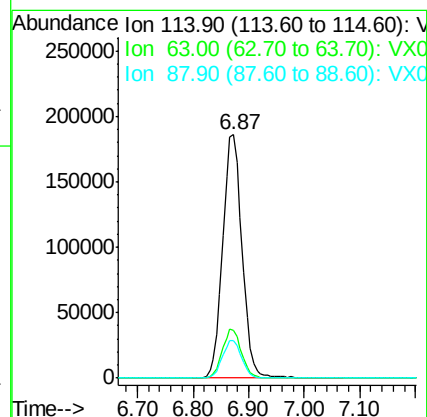
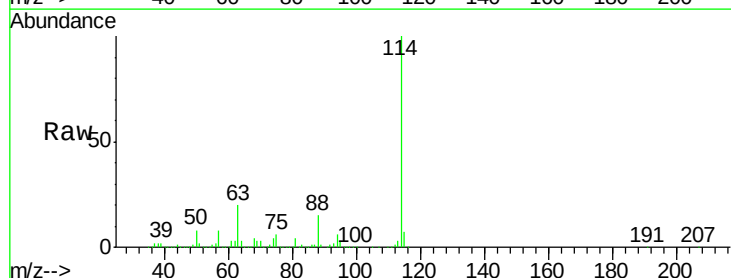
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

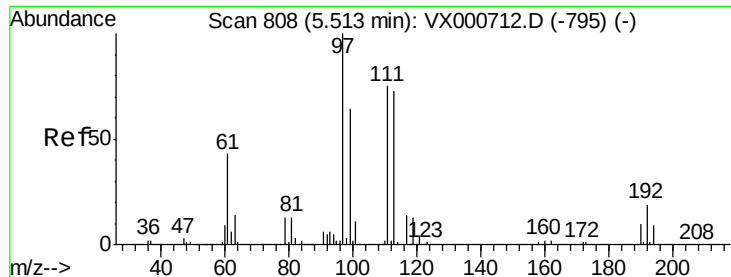
Tgt Ion: 65 Resp: 177804
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. 0.00 min
 Lab File: VX000712.D
 Acq: 07 Apr 2018 12:40

Tgt Ion: 114 Resp: 448068
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 39.6
 88 15.3 0.0 30.6

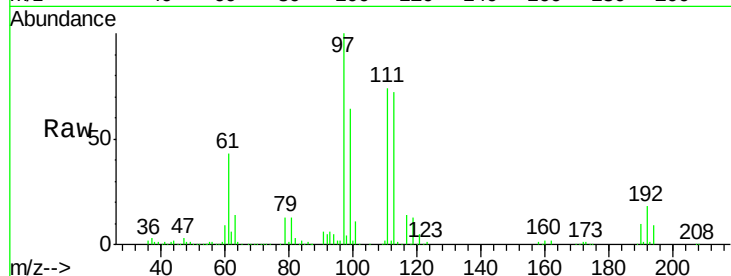




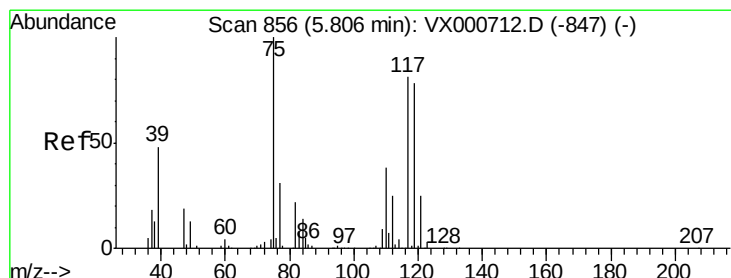
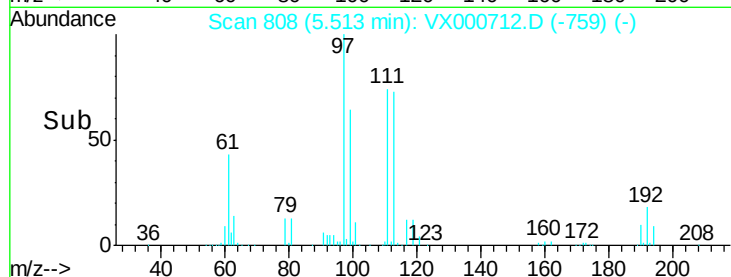
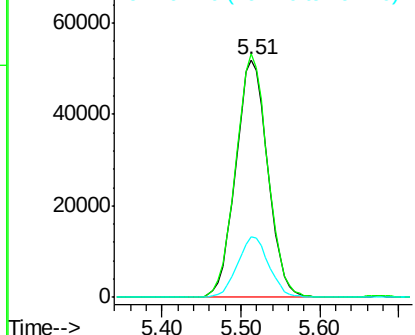
#35
Dibromofluoromethane
Concen: 50.00 ug/l
RT: 5.51 min Scan# 808
Delta R.T. 0.00 min
Lab File: VX000712.D
Acq: 07 Apr 2018 12:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:113 Resp: 146333
Ion Ratio Lower Upper
113 100
111 101.9 81.5 122.3
192 25.0 20.0 30.0

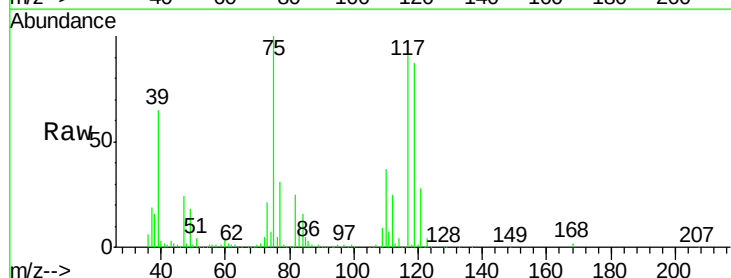


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

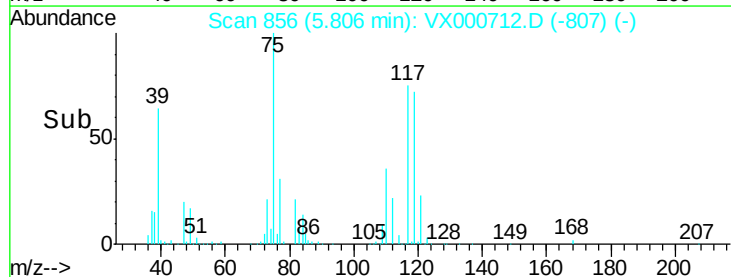
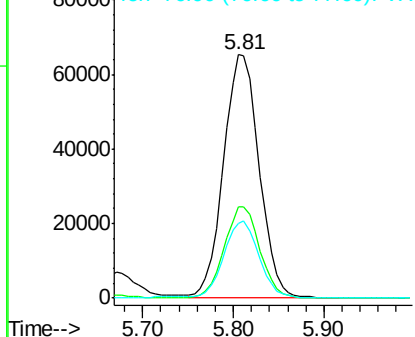


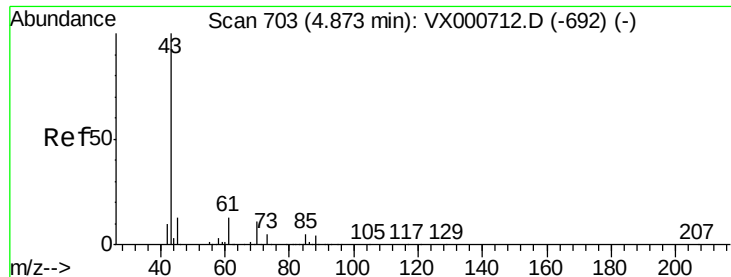
#36
1,1-Dichloropropene
Concen: 50.00 ug/l
RT: 5.81 min Scan# 856
Delta R.T. 0.00 min
Lab File: VX000712.D
Acq: 07 Apr 2018 12:40

Tgt Ion: 75 Resp: 177468
Ion Ratio Lower Upper
75 100
110 37.3 18.6 56.0
77 30.8 24.6 37.0



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VX0

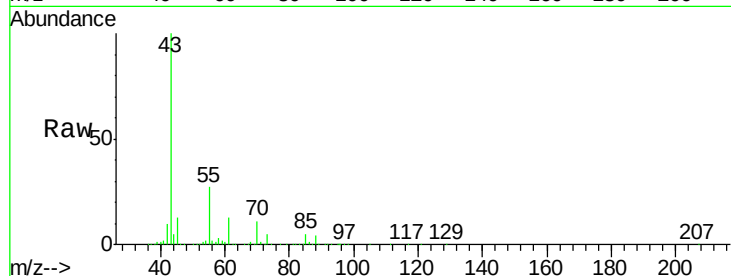




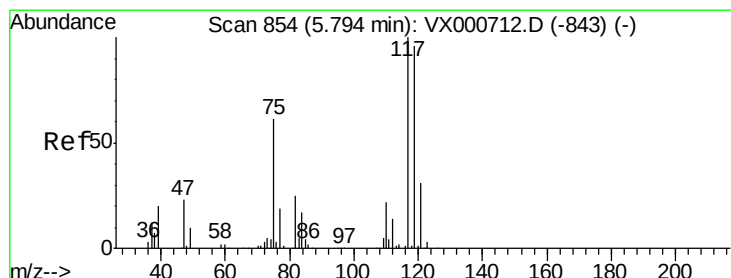
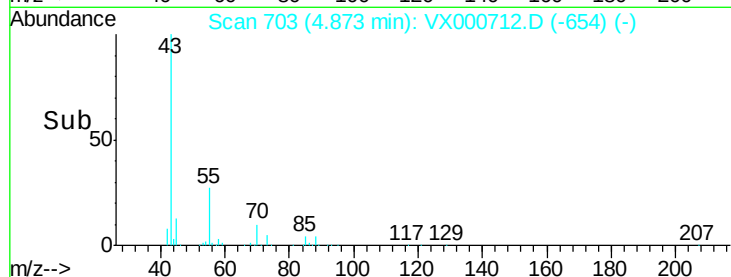
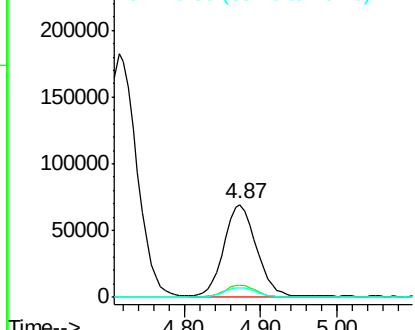
#37
Ethyl Acetate
Concen: 50.00 ug/l
RT: 4.87 min Scan# 703
Delta R.T. 0.00 min
Lab File: VX000712.D
Acq: 07 Apr 2018 12:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 201466
Ion Ratio Lower Upper
43 100
61 13.1 10.5 15.7
70 10.5 8.4 12.6

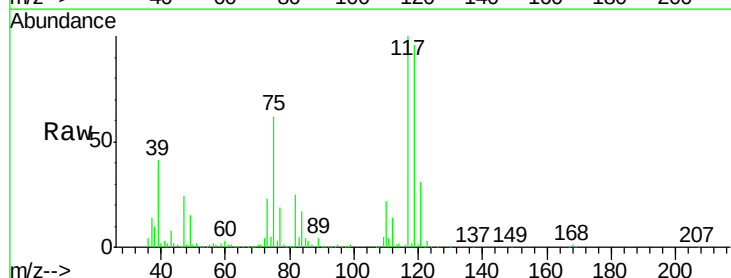


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 70.00 (69.70 to 70.70): VX0

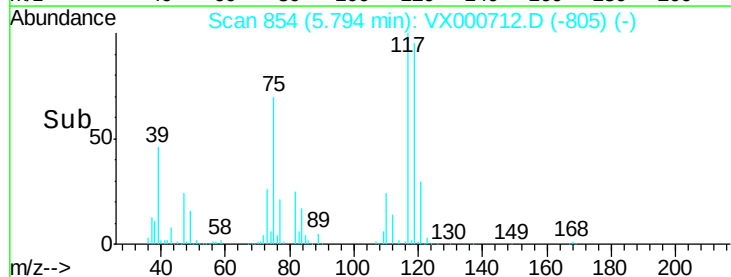
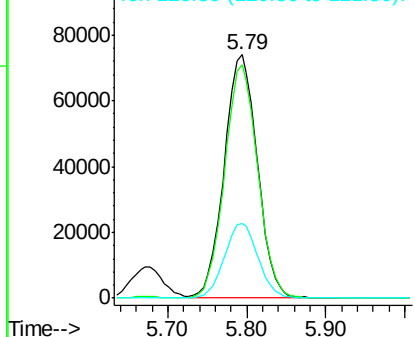


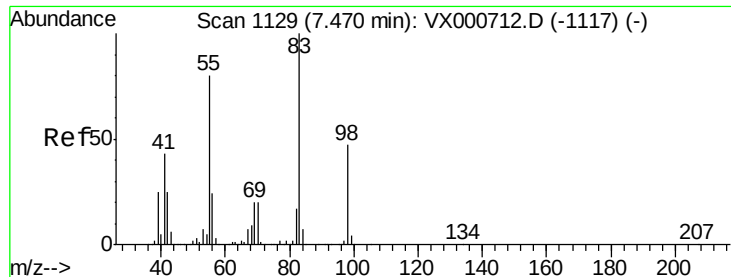
#38
Carbon Tetrachloride
Concen: 50.00 ug/l
RT: 5.79 min Scan# 854
Delta R.T. 0.00 min
Lab File: VX000712.D
Acq: 07 Apr 2018 12:40

Tgt Ion: 117 Resp: 215414
Ion Ratio Lower Upper
117 100
119 95.9 76.7 115.1
121 30.9 24.7 37.1



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

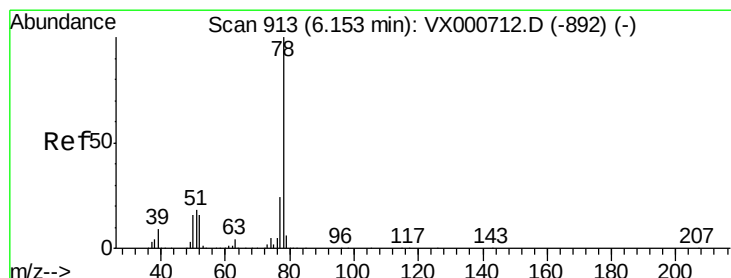
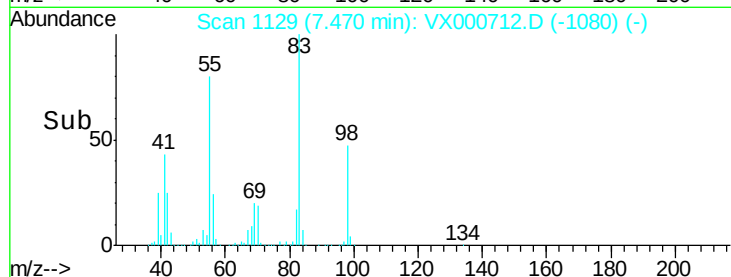
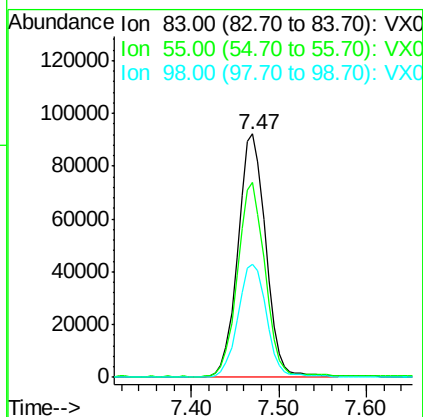
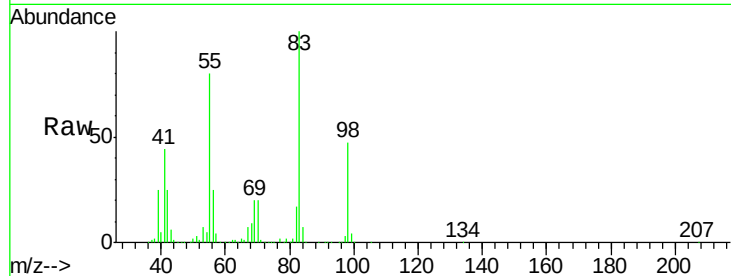




#39
Methylcyclohexane
Concen: 50.00 ug/l
RT: 7.47 min Scan# 1129
Delta R.T. 0.00 min
Lab File: VX000712.D
Acq: 07 Apr 2018 12:40

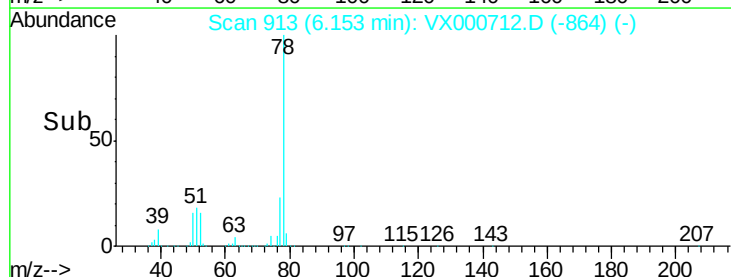
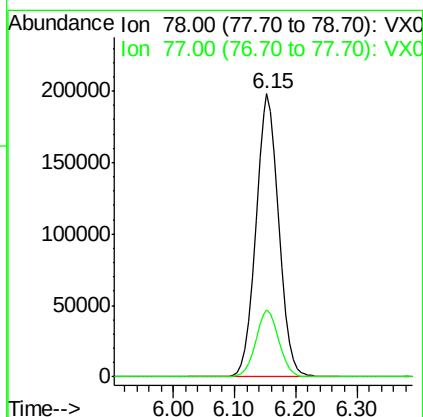
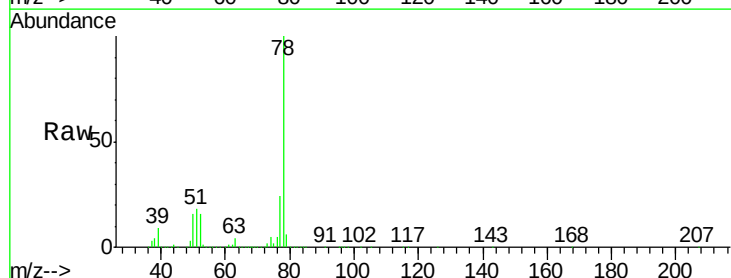
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

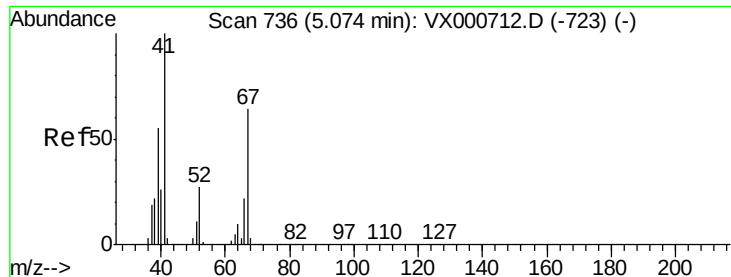
Tgt Ion: 83 Resp: 203956
Ion Ratio Lower Upper
83 100
55 79.6 63.7 95.5
98 46.5 37.2 55.8



#40
Benzene
Concen: 50.00 ug/l
RT: 6.15 min Scan# 913
Delta R.T. 0.00 min
Lab File: VX000712.D
Acq: 07 Apr 2018 12:40

Tgt Ion: 78 Resp: 517436
Ion Ratio Lower Upper
78 100
77 23.7 19.0 28.4

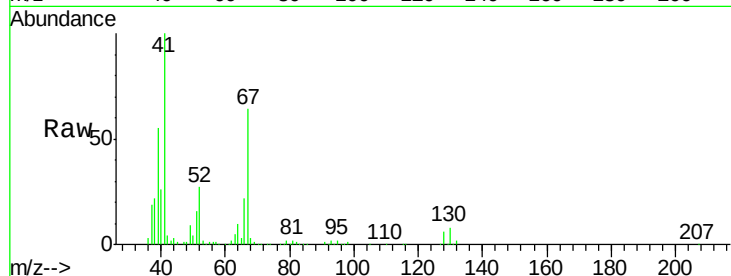




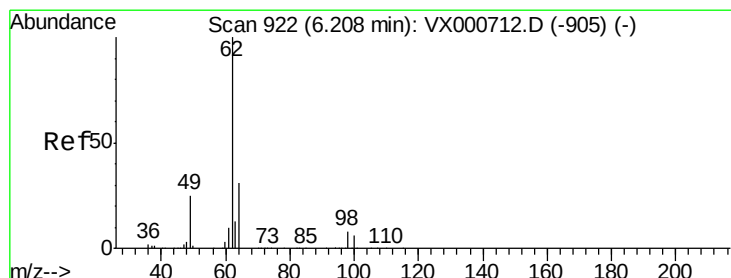
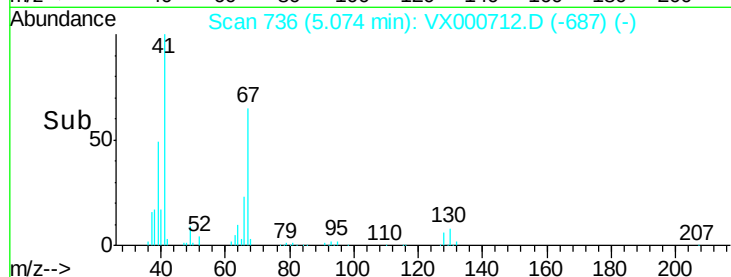
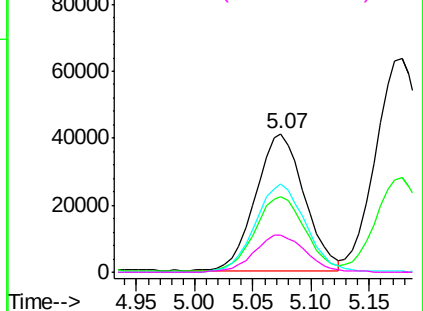
#41
Methacrylonitrile
Concen: 50.00 ug/l
RT: 5.07 min Scan# 736
Delta R.T. 0.00 min
Lab File: VX000712.D
Acq: 07 Apr 2018 12:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 41 Resp: 118692
Ion Ratio Lower Upper
41 100
39 56.6 45.3 67.9
67 65.9 52.7 79.1
52 27.9 22.3 33.5

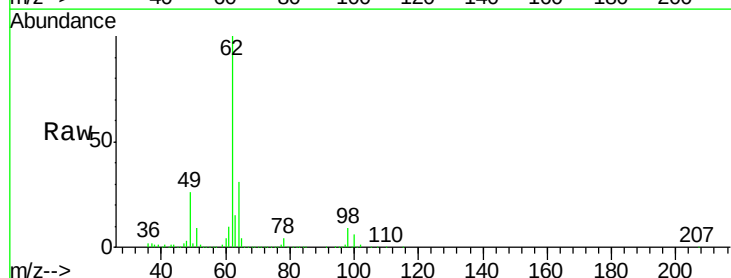


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

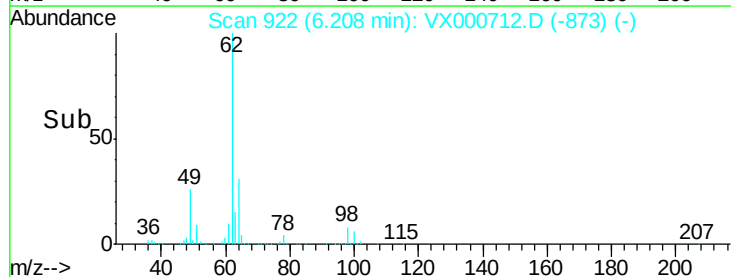
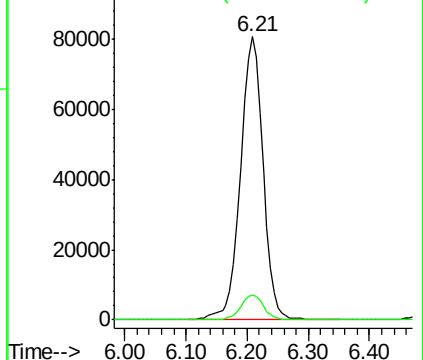


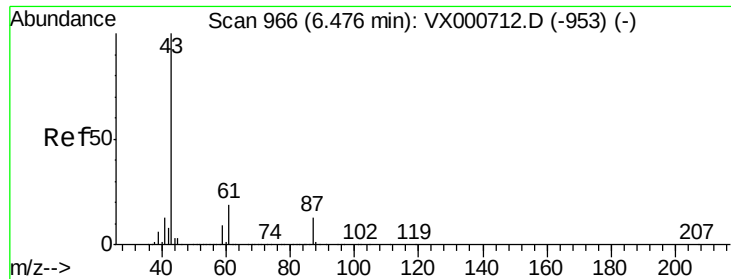
#42
1,2-Dichloroethane
Concen: 50.00 ug/l
RT: 6.21 min Scan# 922
Delta R.T. 0.00 min
Lab File: VX000712.D
Acq: 07 Apr 2018 12:40

Tgt Ion: 62 Resp: 206012
Ion Ratio Lower Upper
62 100
98 8.6 0.0 17.2



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





#43

Isopropyl Acetate

Concen: 50.00 ug/l

RT: 6.48 min Scan# 966

Delta R.T. 0.00 min

Lab File: VX000712.D

Acq: 07 Apr 2018 12:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

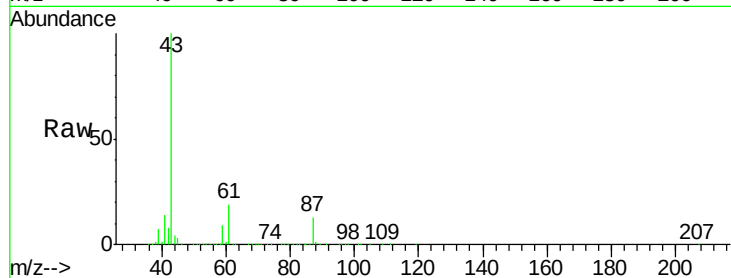
Tgt Ion: 43 Resp: 353816

Ion Ratio Lower Upper

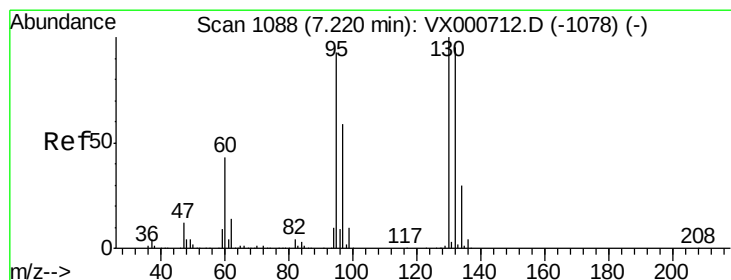
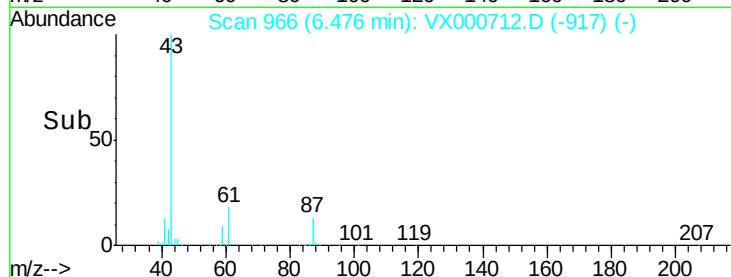
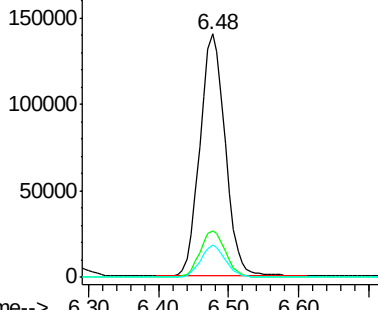
43 100

61 19.2 15.4 23.0

87 13.0 10.4 15.6



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



#44

Trichloroethene

Concen: 50.00 ug/l

RT: 7.22 min Scan# 1088

Delta R.T. 0.00 min

Lab File: VX000712.D

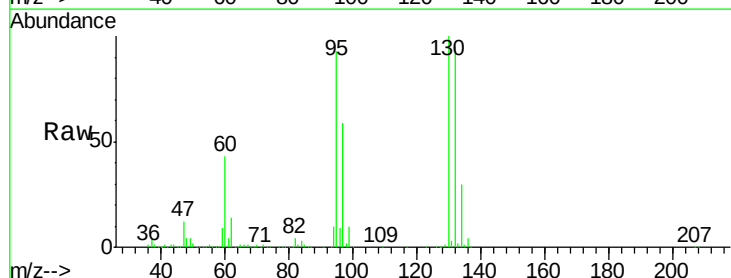
Acq: 07 Apr 2018 12:40

Tgt Ion: 130 Resp: 159163

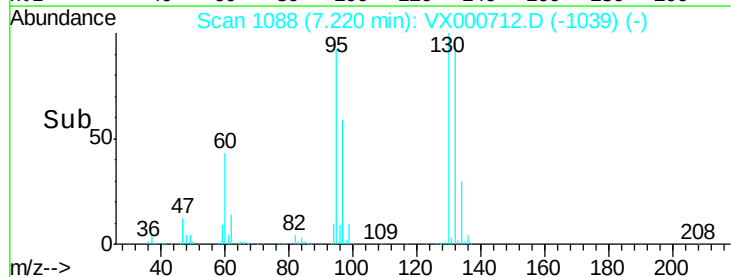
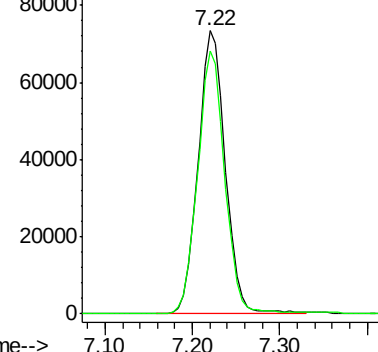
Ion Ratio Lower Upper

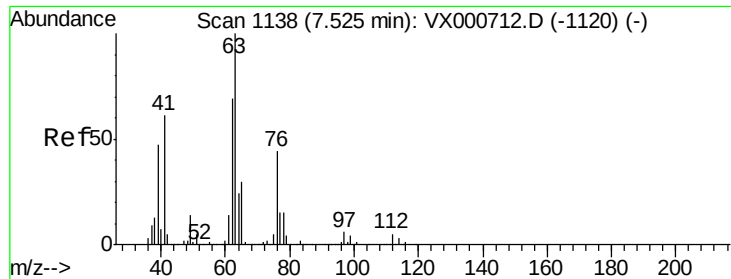
130 100

95 92.7 0.0 185.4



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

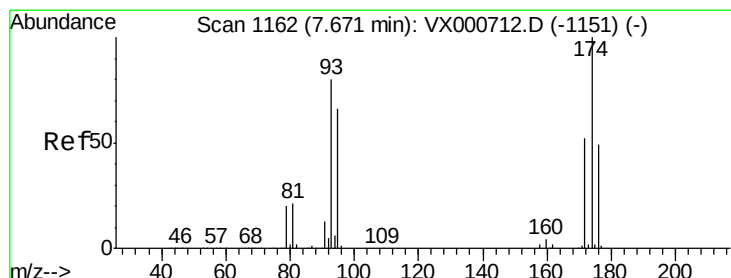
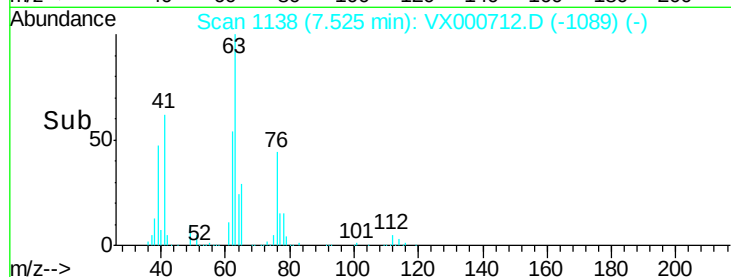
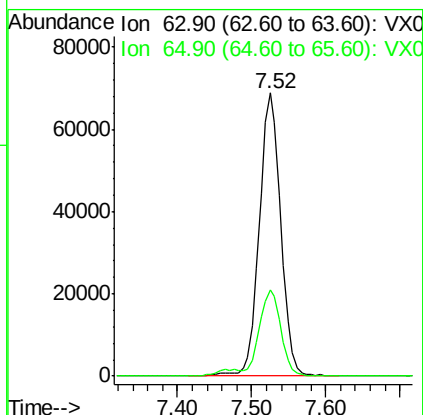
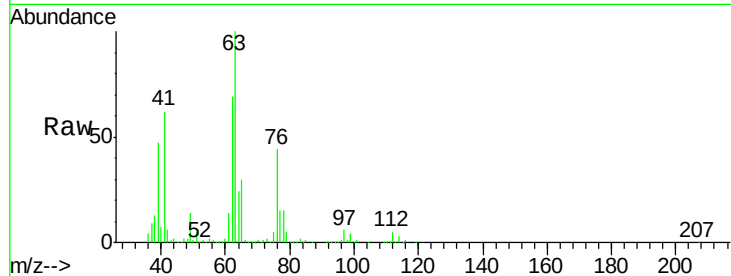




#45
 1,2-Dichloropropane
 Concen: 50.00 ug/l
 RT: 7.52 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VX000712.D
 Acq: 07 Apr 2018 12:40

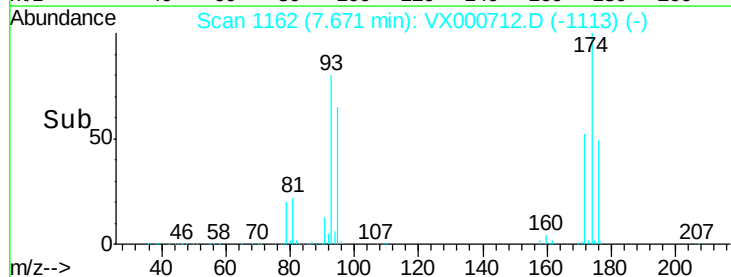
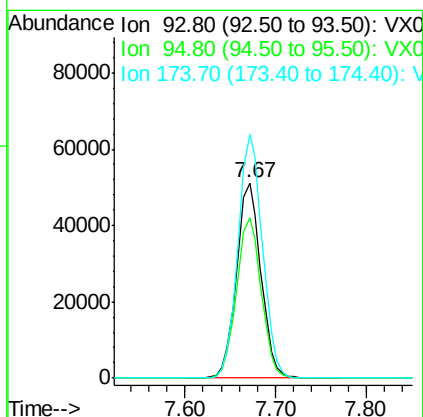
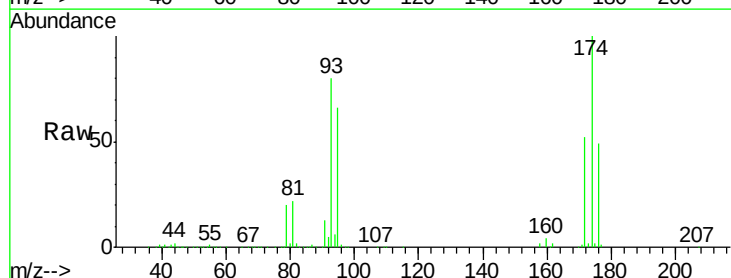
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

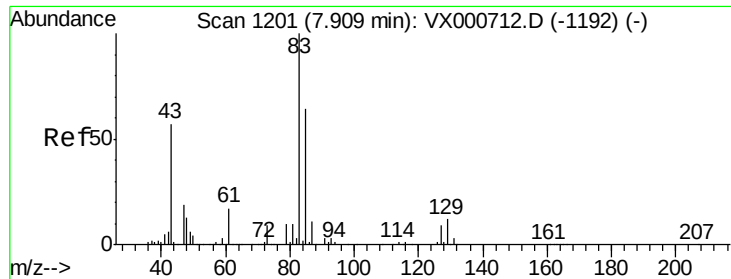
Tgt Ion: 63 Resp: 139504
 Ion Ratio Lower Upper
 63 100
 65 30.2 24.2 36.2



#46
 Dibromomethane
 Concen: 50.00 ug/l
 RT: 7.67 min Scan# 1162
 Delta R.T. 0.00 min
 Lab File: VX000712.D
 Acq: 07 Apr 2018 12:40

Tgt Ion: 93 Resp: 95625
 Ion Ratio Lower Upper
 93 100
 95 82.5 66.0 99.0
 174 125.2 100.2 150.2





#47

Bromodichloromethane

Concen: 50.00 ug/l

RT: 7.91 min Scan# 1201

Delta R.T. 0.00 min

Lab File: VX000712.D

Acq: 07 Apr 2018 12:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

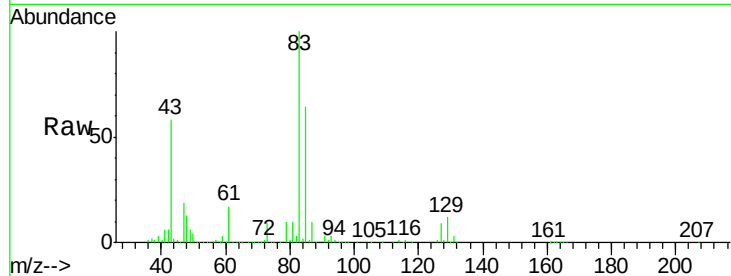
Tgt Ion: 83 Resp: 201785

Ion Ratio Lower Upper

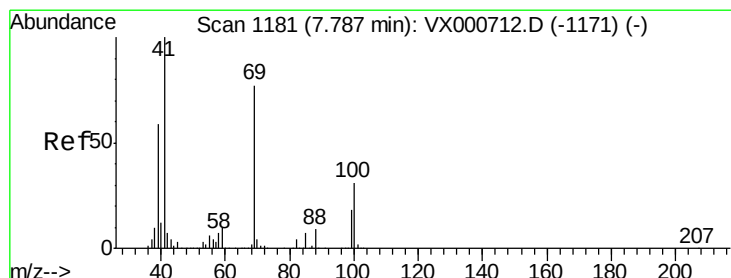
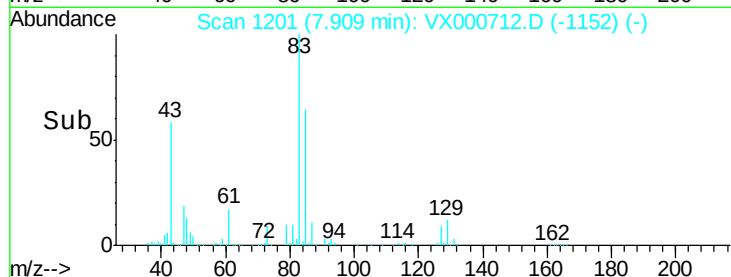
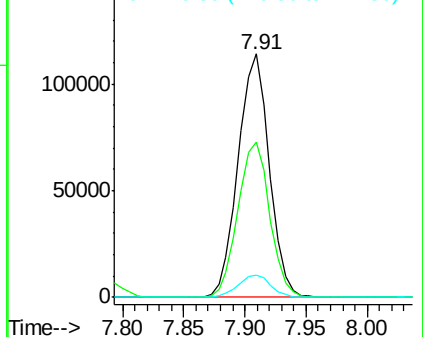
83 100

85 63.7 51.0 76.4

127 9.3 7.4 11.2



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 50.00 ug/l

RT: 7.79 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VX000712.D

Acq: 07 Apr 2018 12:40

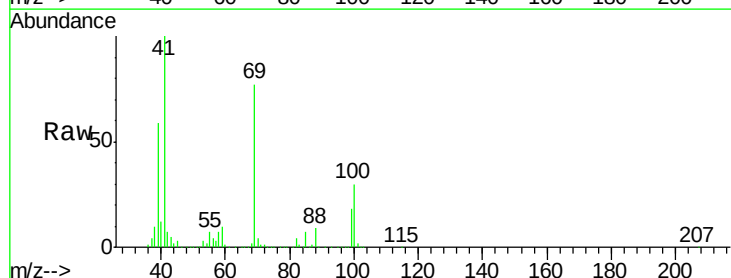
Tgt Ion: 41 Resp: 181612

Ion Ratio Lower Upper

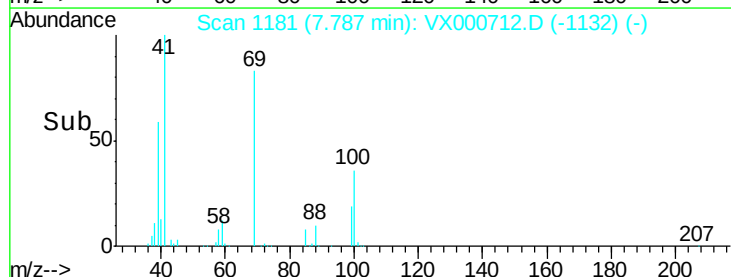
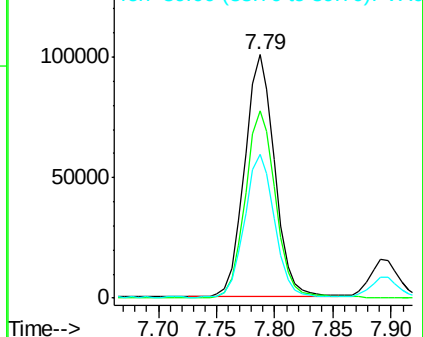
41 100

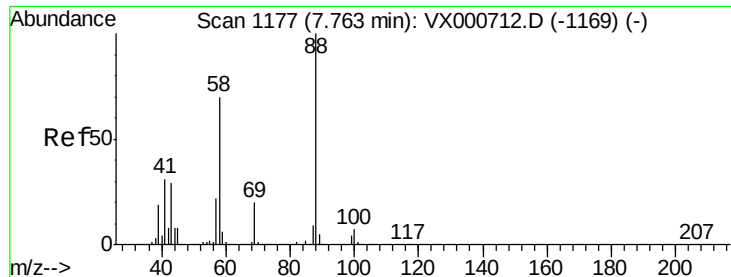
69 77.5 62.0 93.0

39 58.7 47.0 70.4



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





#49

1,4-Dioxane

Concen: 1000.00 ug/l

RT: 7.76 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VX000712.D

Acq: 07 Apr 2018 12:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

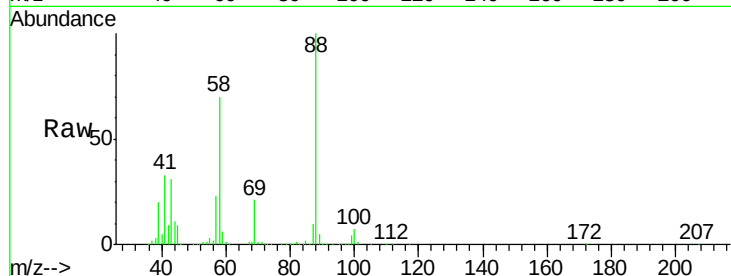
Tgt Ion: 88 Resp: 73617

Ion Ratio Lower Upper

88 100

43 34.9 27.9 41.9

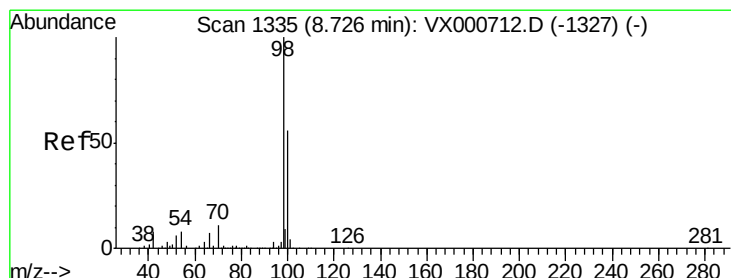
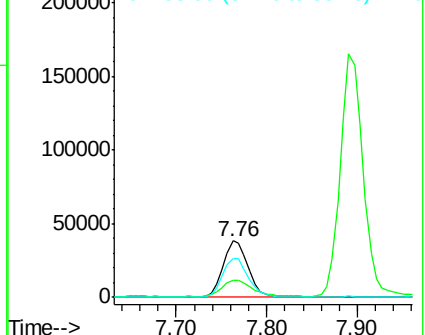
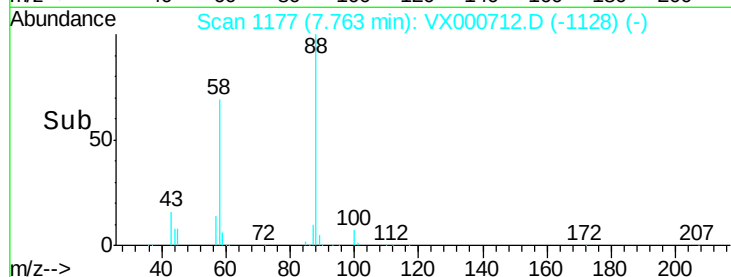
58 71.2 57.0 85.4



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: 50.00 ug/l

RT: 8.73 min Scan# 1335

Delta R.T. 0.00 min

Lab File: VX000712.D

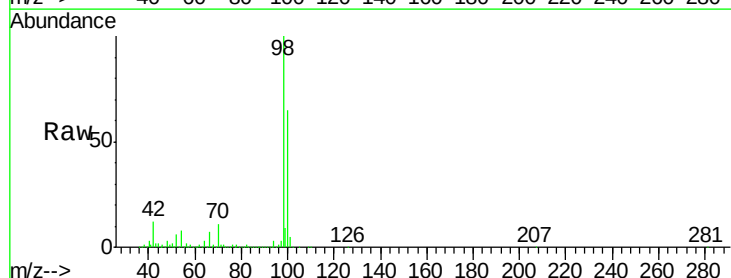
Acq: 07 Apr 2018 12:40

Tgt Ion: 98 Resp: 537251

Ion Ratio Lower Upper

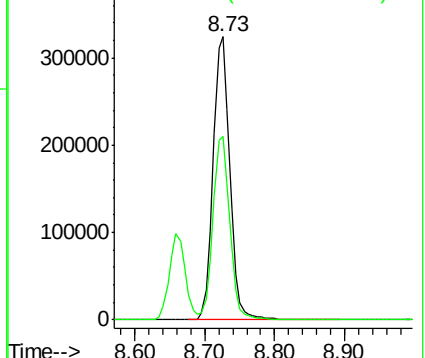
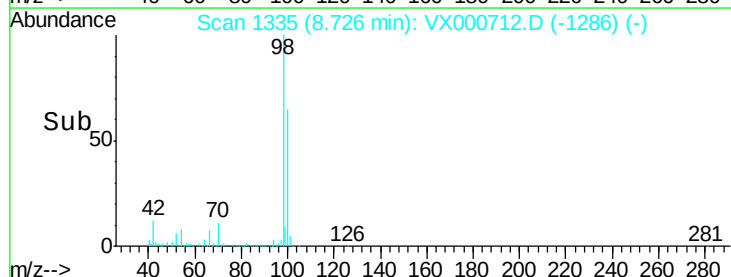
98 100

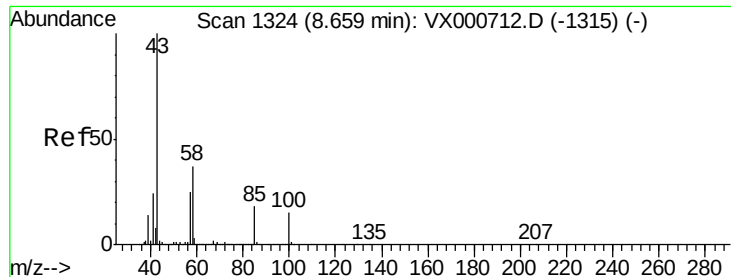
100 65.7 52.6 78.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 250.00 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. 0.00 min

Lab File: VX000712.D

Acq: 07 Apr 2018 12:40

Instrument :

MSVOA_X

ClientSampleId :

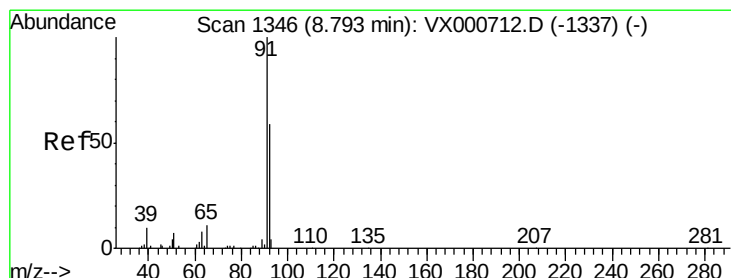
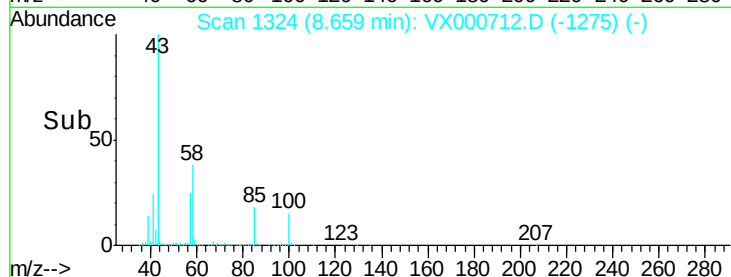
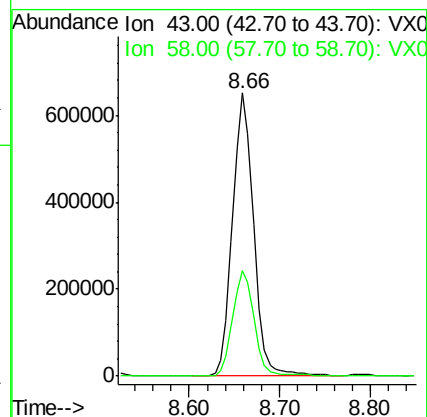
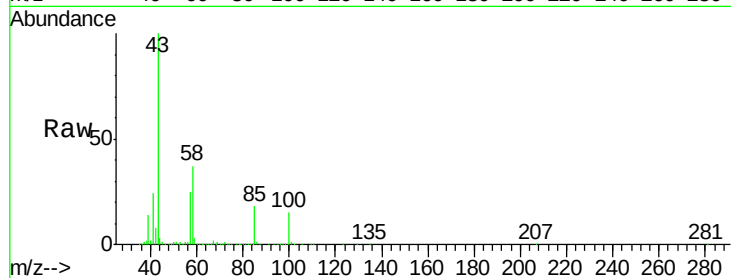
VSTDICCC050

Tgt Ion: 43 Resp: 1052207

Ion Ratio Lower Upper

43 100

58 38.3 30.6 46.0



#52

Toluene

Concen: 50.00 ug/l

RT: 8.79 min Scan# 1346

Delta R.T. 0.00 min

Lab File: VX000712.D

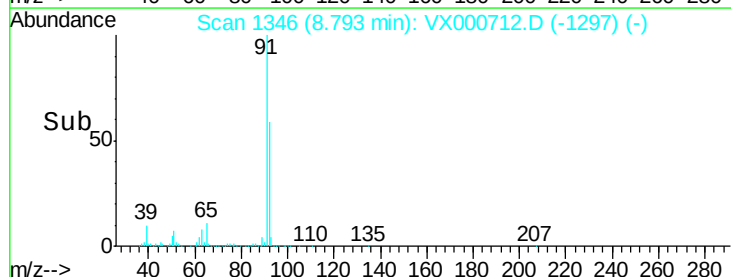
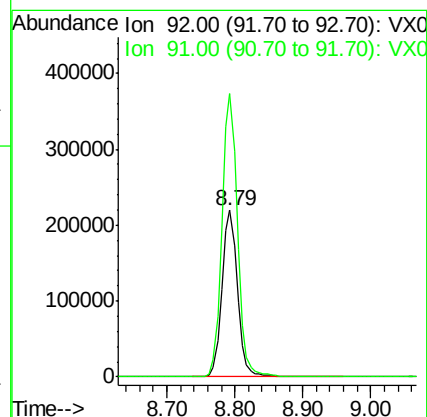
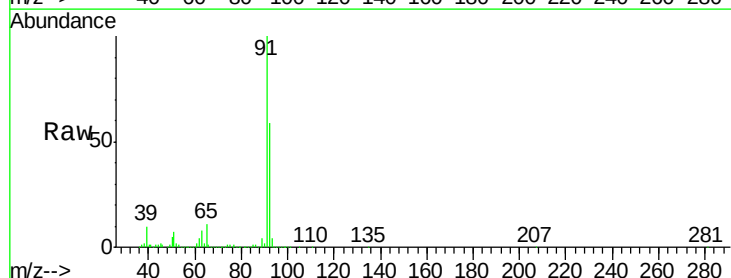
Acq: 07 Apr 2018 12:40

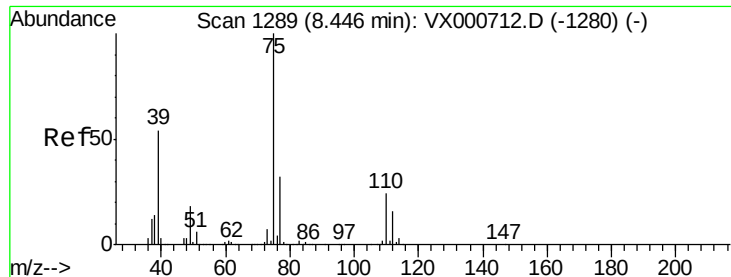
Tgt Ion: 92 Resp: 345616

Ion Ratio Lower Upper

92 100

91 170.5 136.4 204.6





#53

t-1,3-Dichloropropene

Concen: 50.00 ug/l

RT: 8.45 min Scan# 1289

Delta R.T. 0.00 min

Lab File: VX000712.D

Acq: 07 Apr 2018 12:40

Instrument :

MSVOA_X

ClientSampleId :

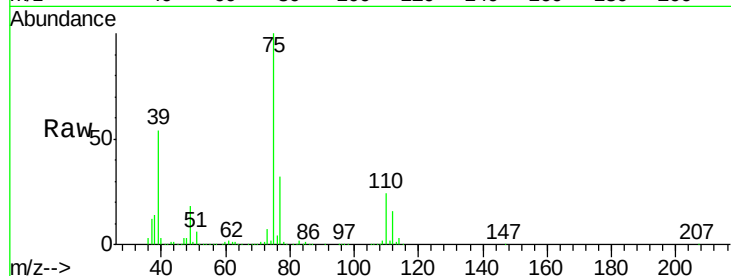
VSTDICCC050

Tgt Ion: 75 Resp: 239647

Ion Ratio Lower Upper

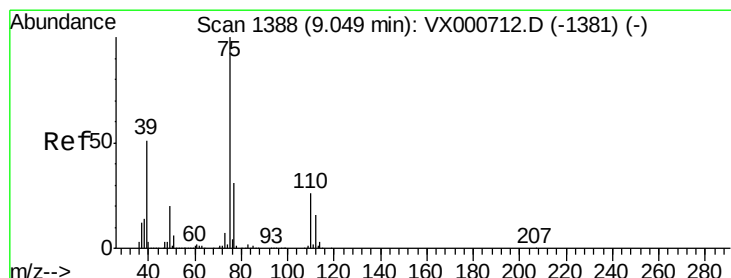
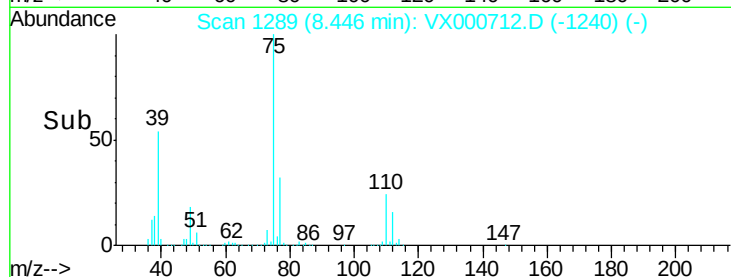
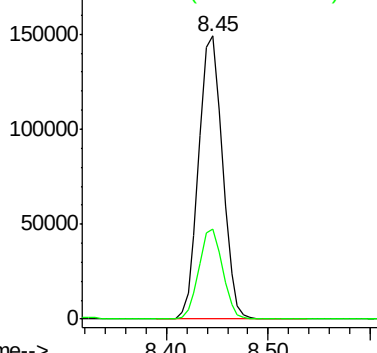
75 100

77 31.7 25.4 38.0



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#54

cis-1,3-Dichloropropene

Concen: 50.00 ug/l

RT: 9.05 min Scan# 1388

Delta R.T. 0.00 min

Lab File: VX000712.D

Acq: 07 Apr 2018 12:40

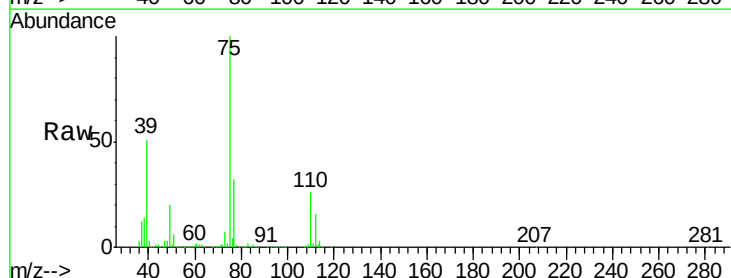
Tgt Ion: 75 Resp: 241210

Ion Ratio Lower Upper

75 100

77 31.5 25.2 37.8

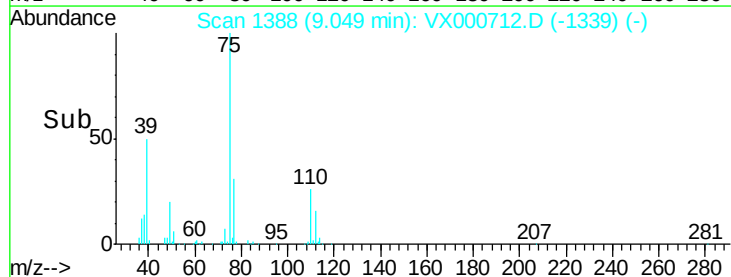
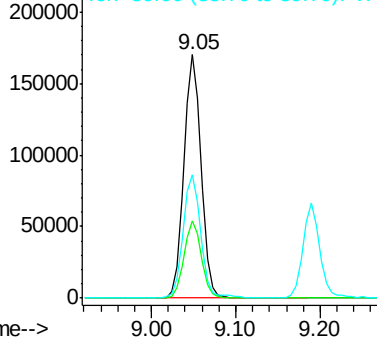
39 50.6 40.5 60.7

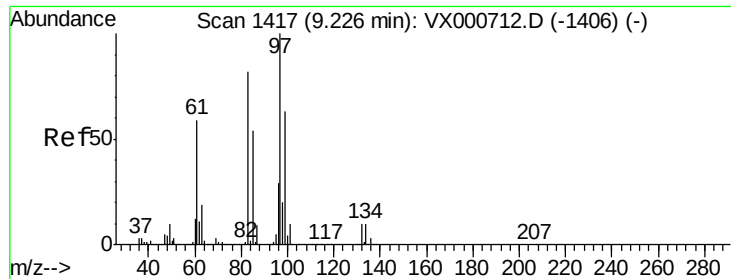


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

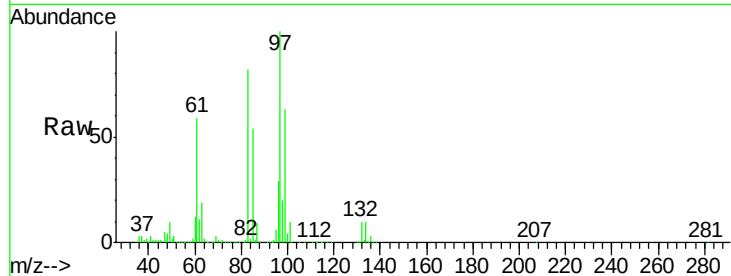




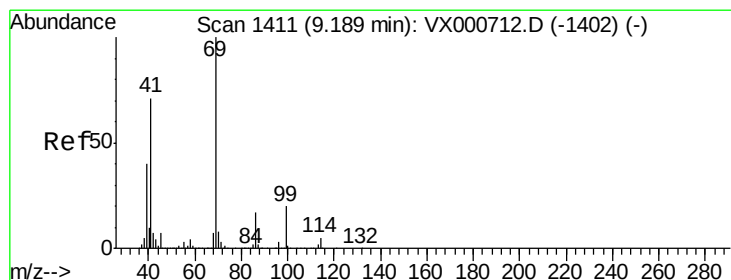
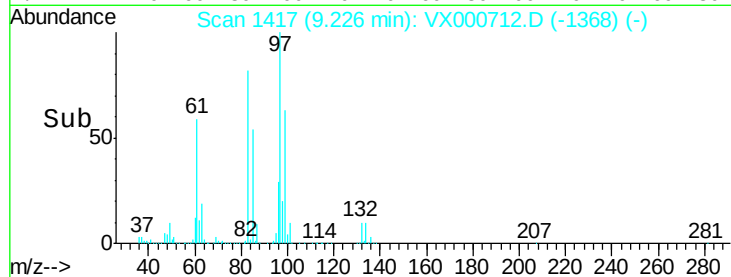
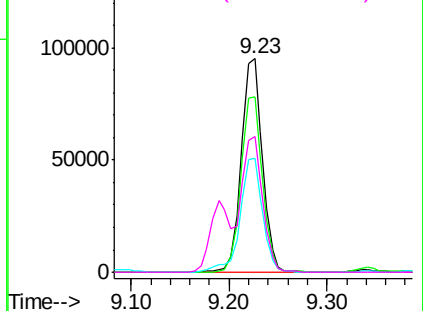
#55
 1,1,2-Trichloroethane
 Concen: 50.00 ug/l
 RT: 9.23 min Scan# 1417
 Delta R.T. 0.00 min
 Lab File: VX000712.D
 Acq: 07 Apr 2018 12:40

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDICCC050

Tgt Ion:	97	Resp:	142868
Ion	Ratio	Lower	Upper
97	100		
83	82.1	65.7	98.5
85	53.5	42.8	64.2
99	63.3	50.6	76.0

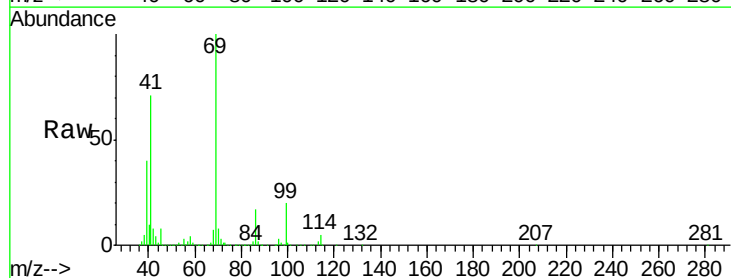


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

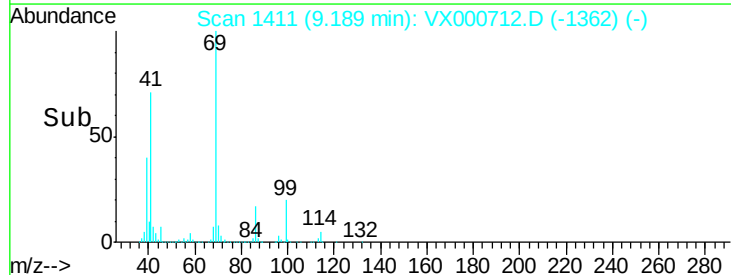
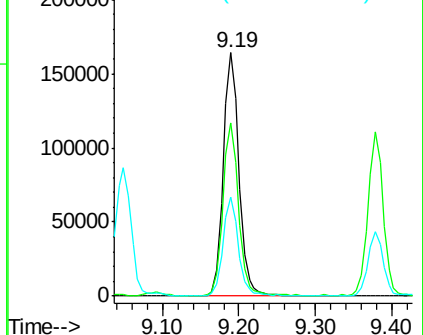


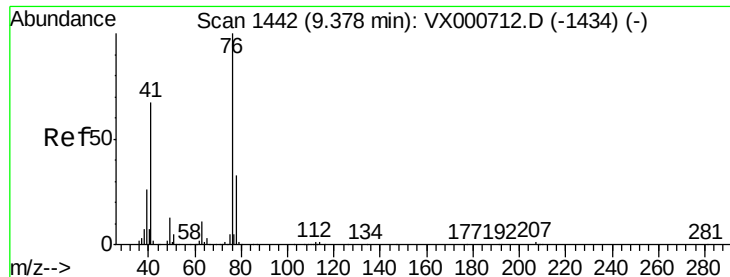
#56
 Ethyl methacrylate
 Concen: 50.00 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. 0.00 min
 Lab File: VX000712.D
 Acq: 07 Apr 2018 12:40

Tgt Ion:	69	Resp:	232254
Ion	Ratio	Lower	Upper
69	100		
41	70.5	56.4	84.6
39	39.3	31.4	47.2



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: 50.00 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VX000712.D

Acq: 07 Apr 2018 12:40

Instrument :

MSVOA_X

ClientSampleId :

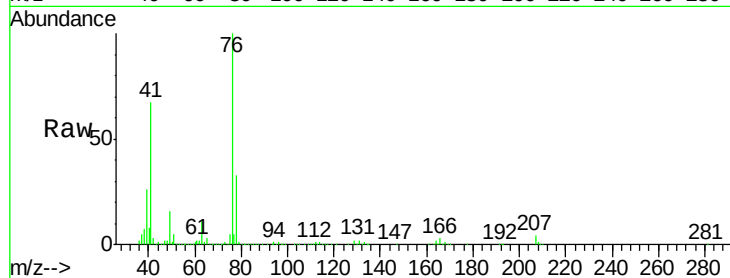
VSTDICCC050

Tgt Ion: 76 Resp: 229645

Ion Ratio Lower Upper

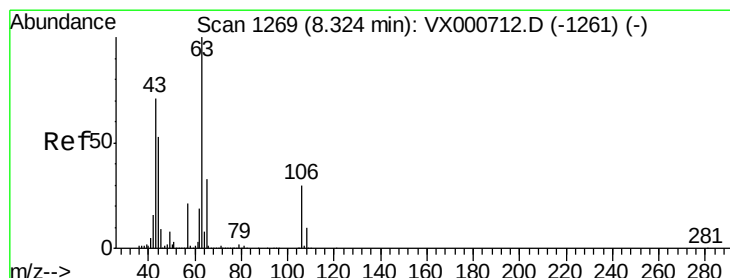
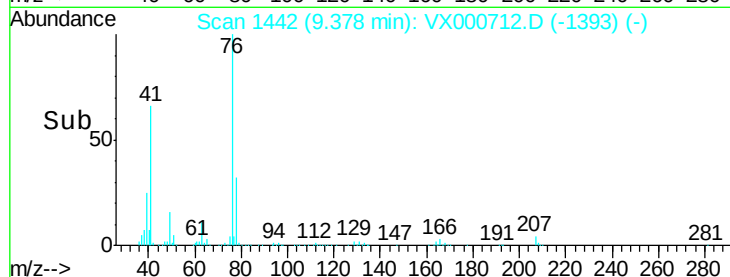
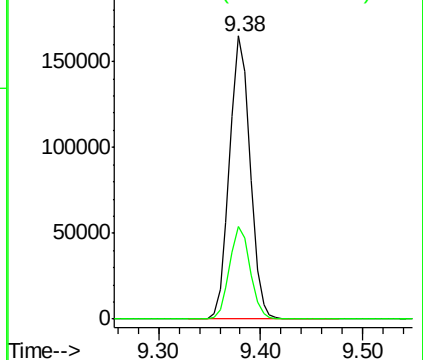
76 100

78 32.7 26.2 39.2



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: 250.00 ug/l

RT: 8.32 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VX000712.D

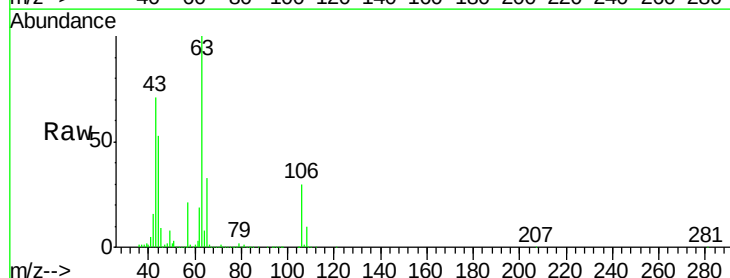
Acq: 07 Apr 2018 12:40

Tgt Ion: 63 Resp: 491762

Ion Ratio Lower Upper

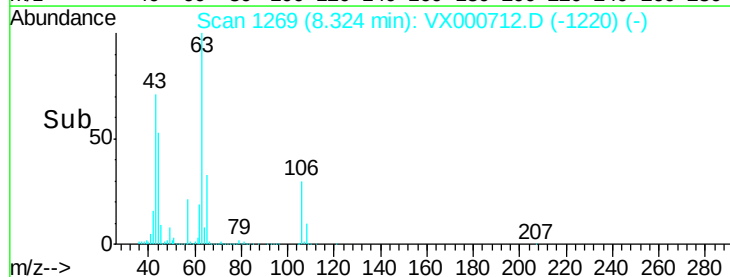
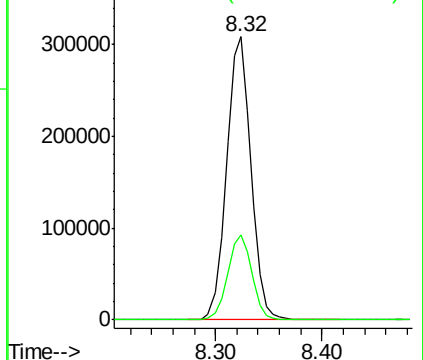
63 100

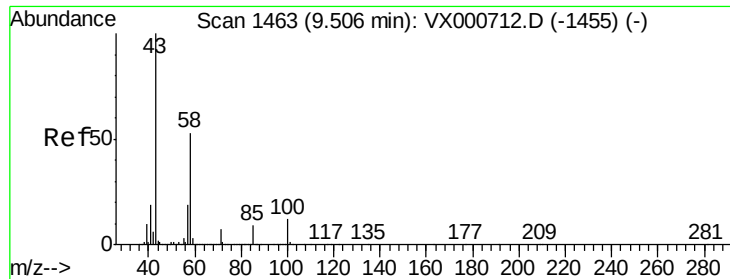
106 30.0 24.0 36.0



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

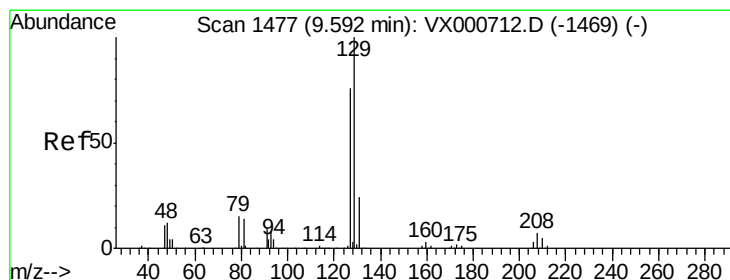
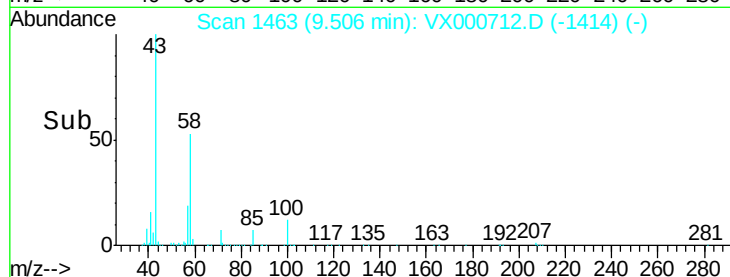
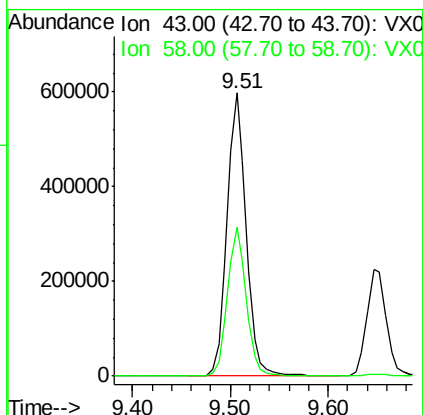
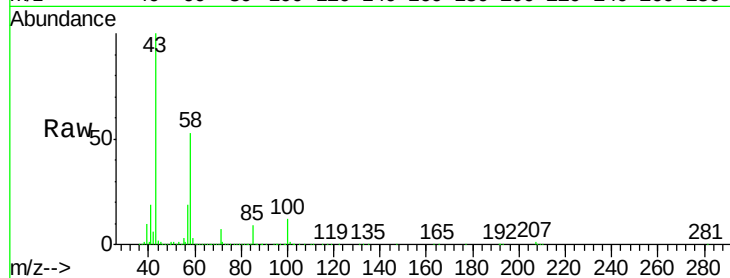




#59
2-Hexanone
Concen: 250.00 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. 0.00 min
Lab File: VX000712.D
Acq: 07 Apr 2018 12:40

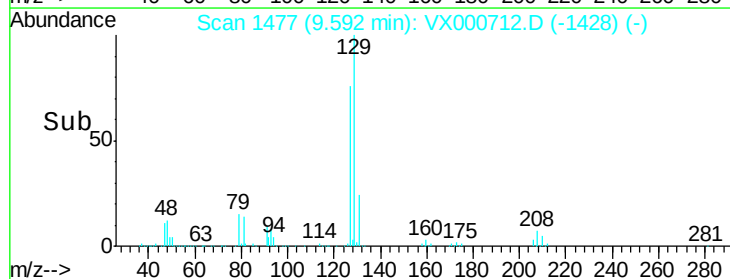
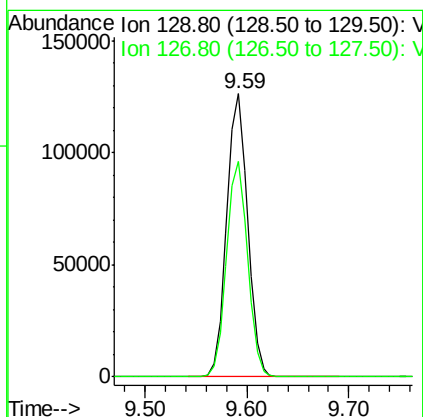
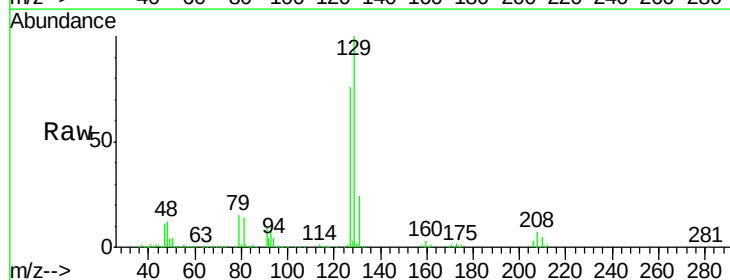
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

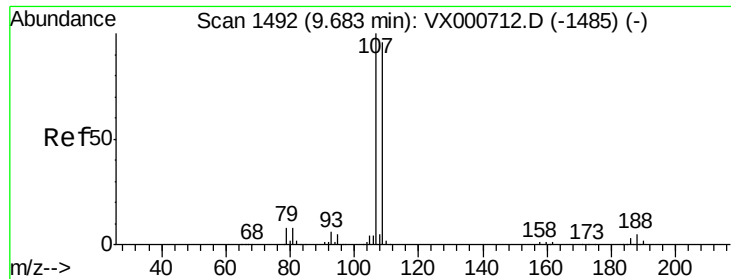
Tgt Ion: 43 Resp: 809078
Ion Ratio Lower Upper
43 100
58 51.9 25.9 77.8



#60
Dibromochloromethane
Concen: 50.00 ug/l
RT: 9.59 min Scan# 1477
Delta R.T. 0.00 min
Lab File: VX000712.D
Acq: 07 Apr 2018 12:40

Tgt Ion: 129 Resp: 179513
Ion Ratio Lower Upper
129 100
127 76.4 38.2 114.6





#61

1,2-Dibromoethane

Concen: 50.00 ug/l

RT: 9.68 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX000712.D

Acq: 07 Apr 2018 12:40

Instrument :

MSVOA_X

ClientSampleId :

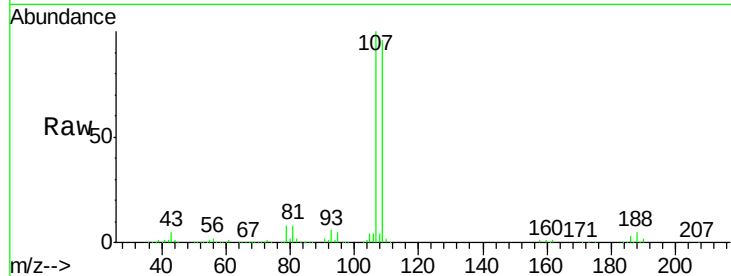
VSTDICCC050

Tgt Ion: 107 Resp: 151992

Ion Ratio Lower Upper

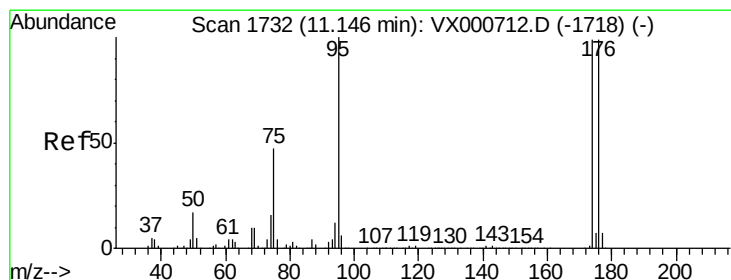
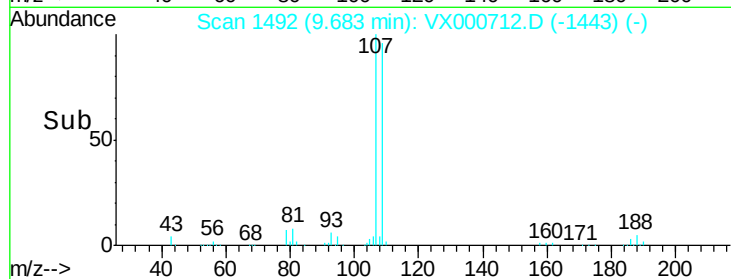
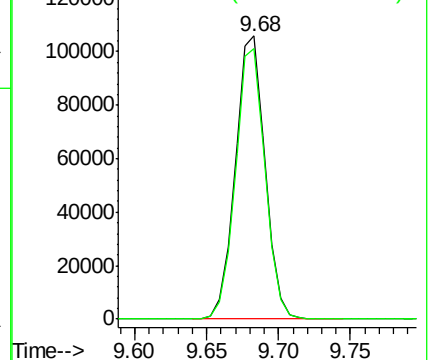
107 100

109 95.8 76.6 115.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 50.00 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VX000712.D

Acq: 07 Apr 2018 12:40

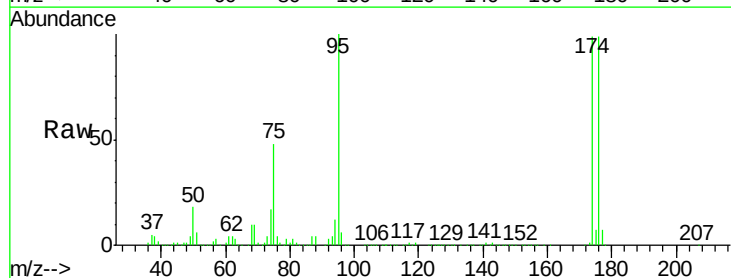
Tgt Ion: 95 Resp: 217821

Ion Ratio Lower Upper

95 100

174 95.8 0.0 191.6

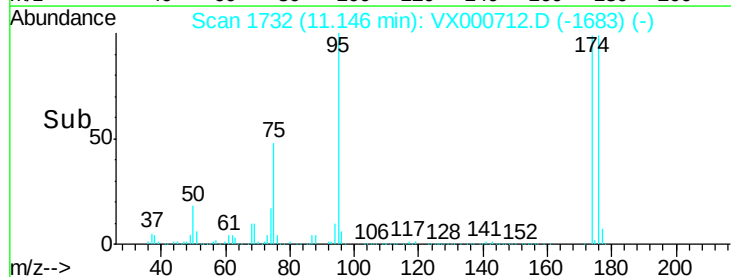
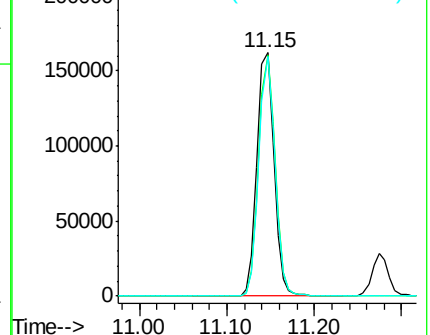
176 93.5 0.0 187.0

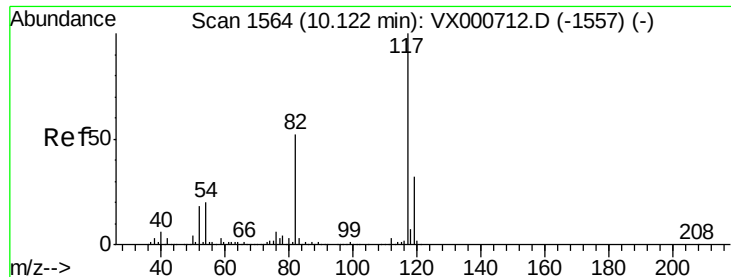


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

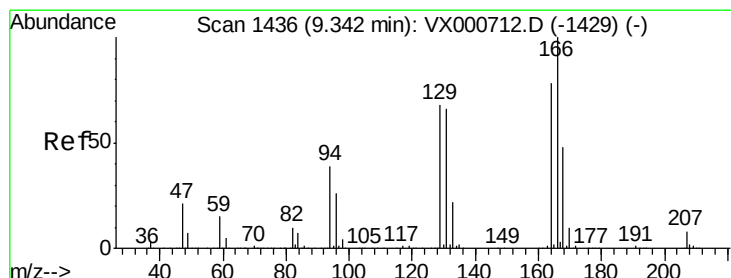
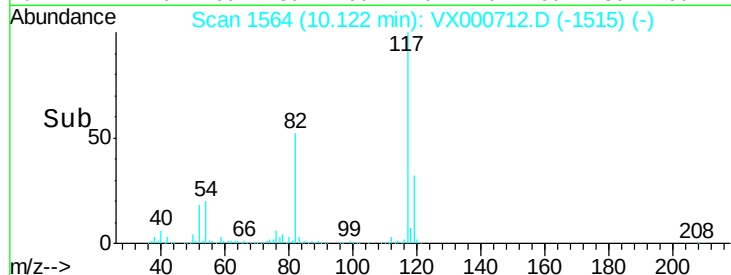
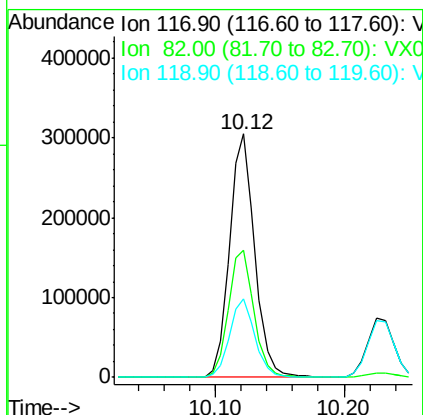
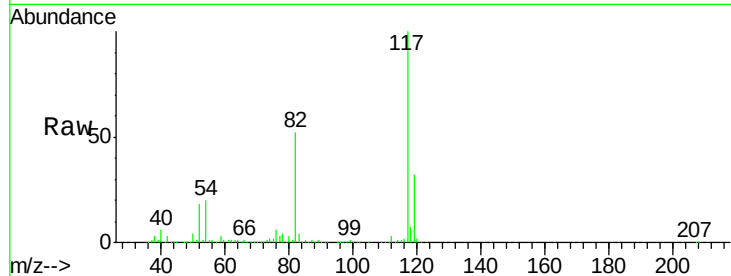




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VX000712.D
Acq: 07 Apr 2018 12:40

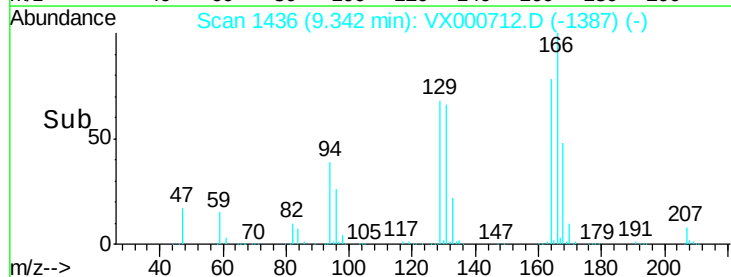
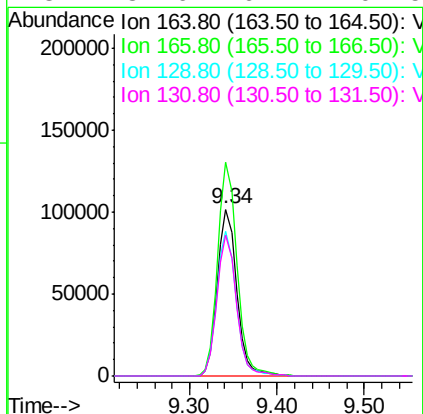
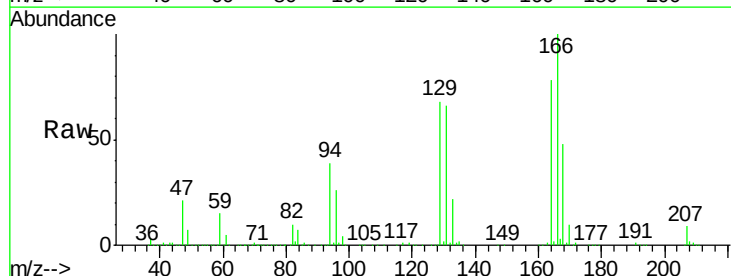
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

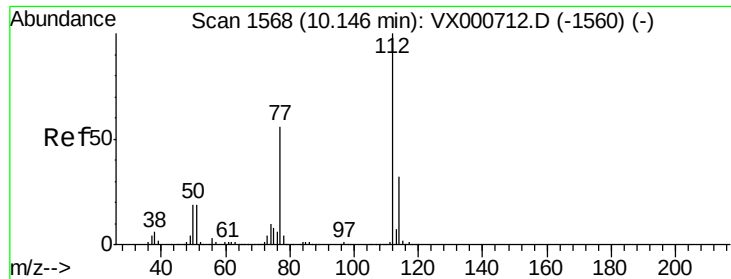
Tgt Ion:117 Resp: 416541
Ion Ratio Lower Upper
117 100
82 52.4 41.9 62.9
119 32.3 25.8 38.8



#64
Tetrachloroethene
Concen: 50.00 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.00 min
Lab File: VX000712.D
Acq: 07 Apr 2018 12:40

Tgt Ion:164 Resp: 156167
Ion Ratio Lower Upper
164 100
166 128.0 102.4 153.6
129 86.6 69.3 103.9
131 84.6 67.7 101.5





#65

Chlorobenzene

Concen: 50.00 ug/l

RT: 10.15 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VX000712.D

Acq: 07 Apr 2018 12:40

Instrument :

MSVOA_X

ClientSampleId :

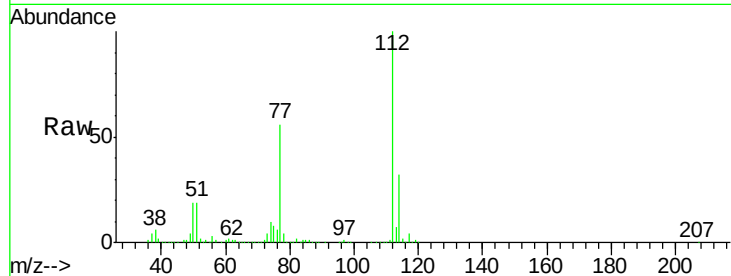
VSTDICCC050

Tgt Ion:112 Resp: 411926

Ion Ratio Lower Upper

112 100

114 32.2 25.8 38.6



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

10.15

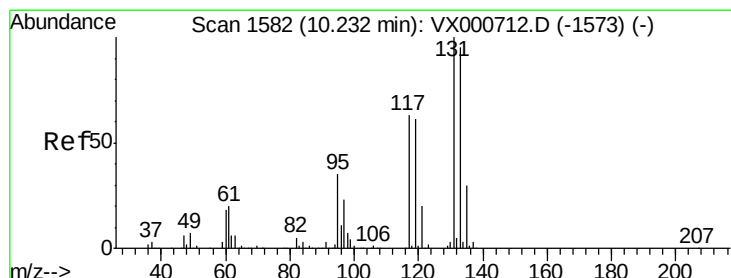
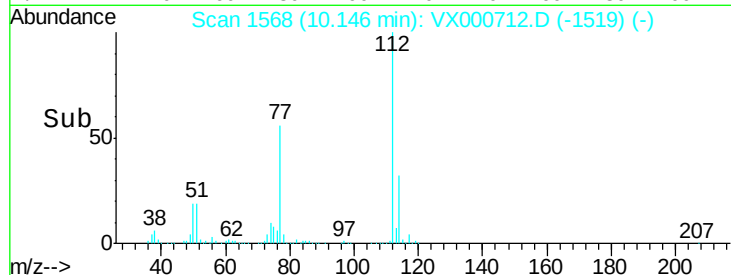
300000

200000

100000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 50.00 ug/l

RT: 10.23 min Scan# 1582

Delta R.T. 0.00 min

Lab File: VX000712.D

Acq: 07 Apr 2018 12:40

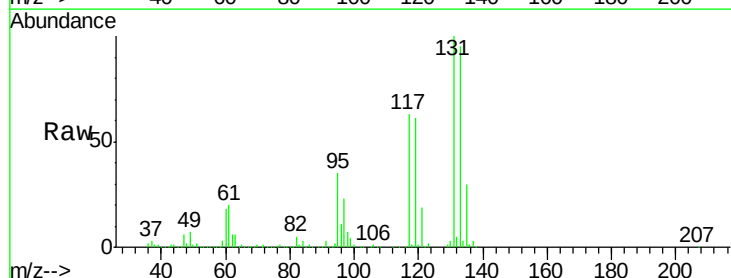
Tgt Ion:131 Resp: 162068

Ion Ratio Lower Upper

131 100

133 96.1 48.0 144.2

119 63.0 31.5 94.5



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

10.23

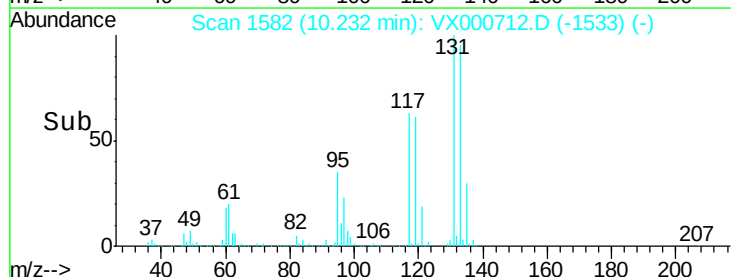
150000

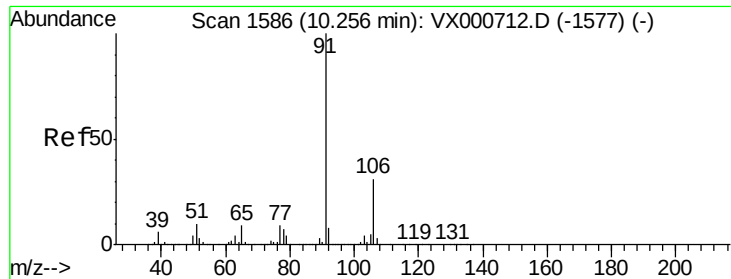
100000

50000

0

Time-->





#67

Ethyl Benzene

Concen: 50.00 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VX000712.D

Acq: 07 Apr 2018 12:40

Instrument :

MSVOA_X

ClientSampleId :

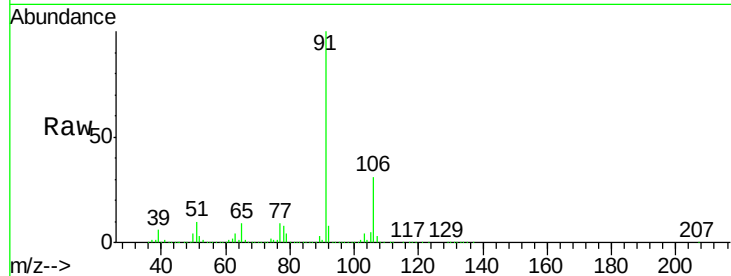
VSTDICCC050

Tgt Ion: 91 Resp: 691591

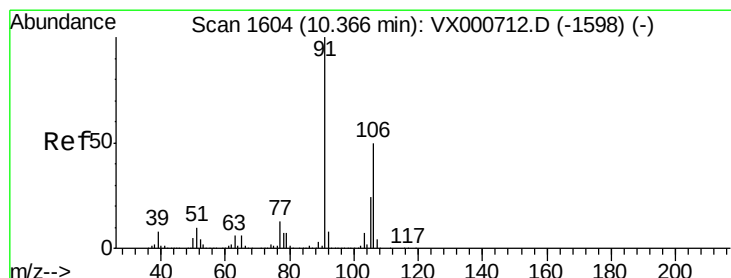
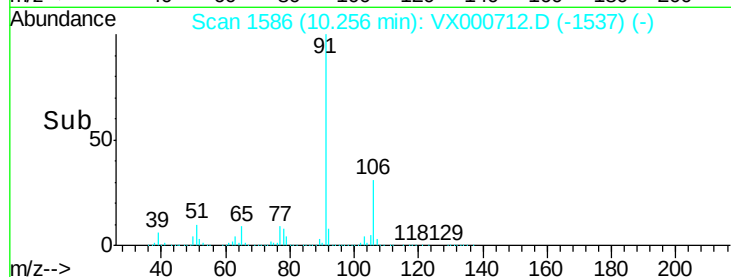
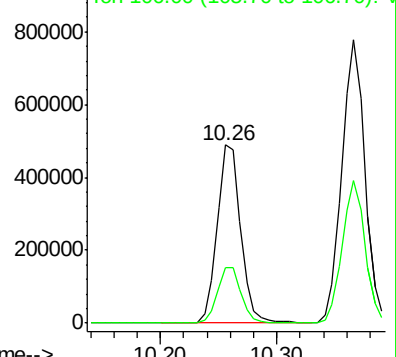
Ion Ratio Lower Upper

91 100

106 31.4 25.1 37.7



Abundance Ion 91.00 (90.70 to 91.70): VX000712.D (-1577) (-)



#68

m/p-Xylenes

Concen: 100.00 ug/l

RT: 10.37 min Scan# 1604

Delta R.T. 0.00 min

Lab File: VX000712.D

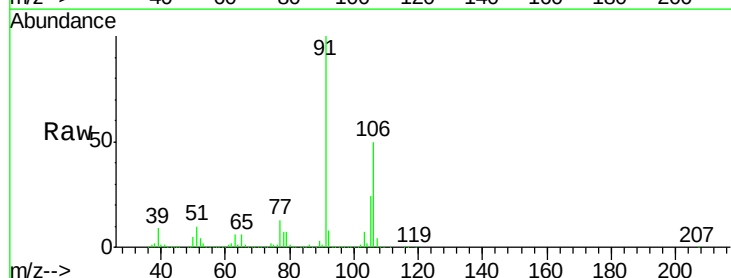
Acq: 07 Apr 2018 12:40

Tgt Ion: 106 Resp: 540669

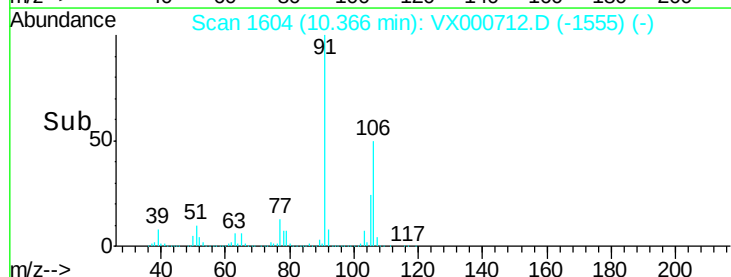
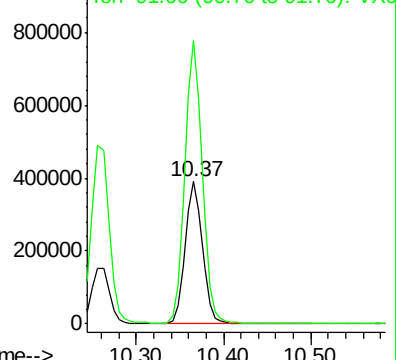
Ion Ratio Lower Upper

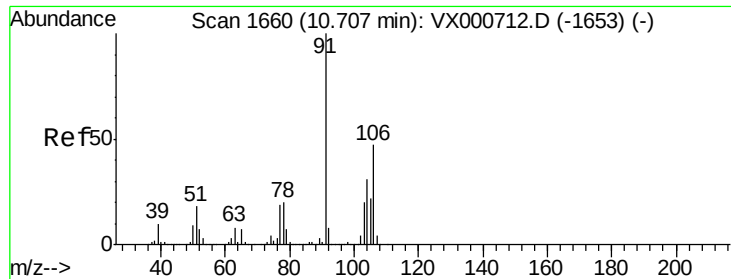
106 100

91 199.6 159.7 239.5



Abundance Ion 106.00 (105.70 to 106.70): VX000712.D (-1598) (-)

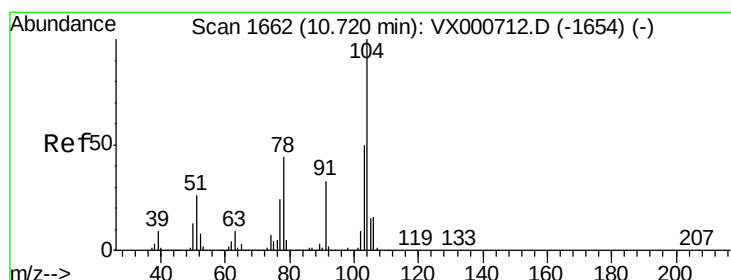
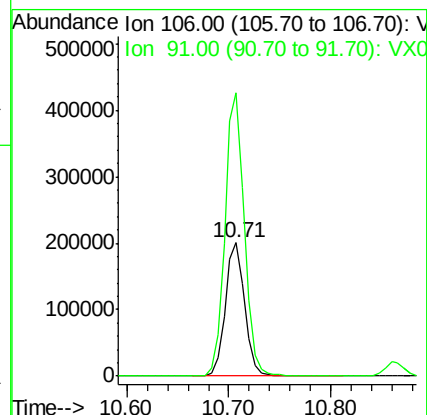
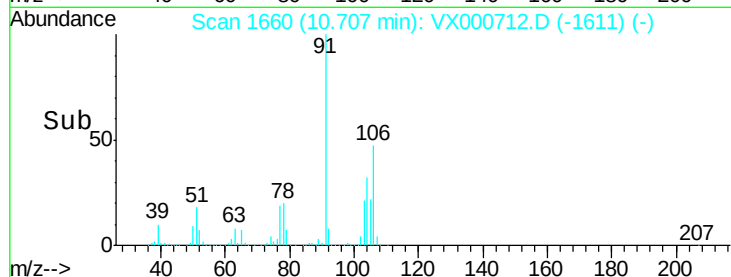
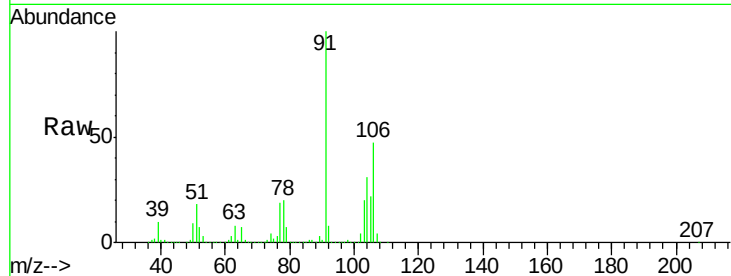




#69
o-Xylene
Concen: 50.00 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. 0.00 min
Lab File: VX000712.D
Acq: 07 Apr 2018 12:40

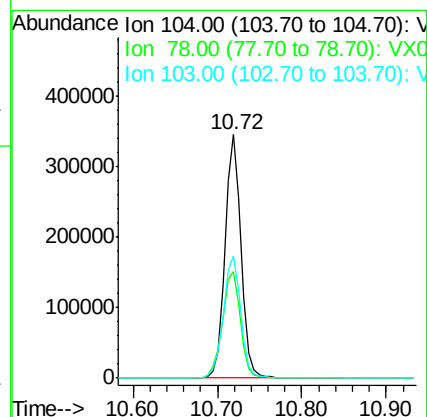
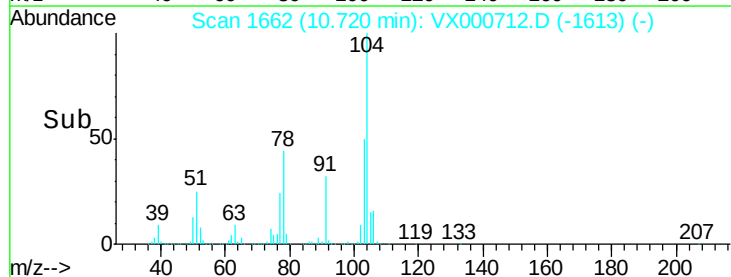
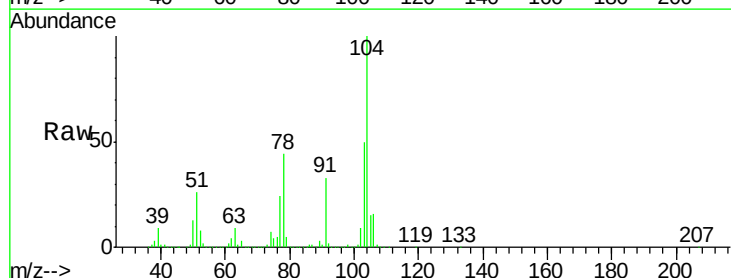
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

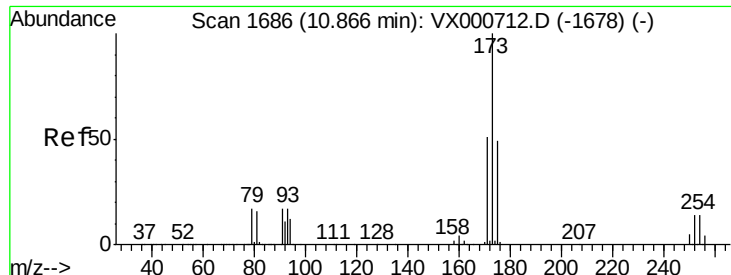
Tgt Ion:106 Resp: 265409
Ion Ratio Lower Upper
106 100
91 212.2 106.1 318.3



#70
Styrene
Concen: 50.00 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VX000712.D
Acq: 07 Apr 2018 12:40

Tgt Ion:104 Resp: 453722
Ion Ratio Lower Upper
104 100
78 49.7 39.8 59.6
103 55.1 44.1 66.1





#71

Bromoform

Concen: 50.00 ug/l

RT: 10.87 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VX000712.D

Acq: 07 Apr 2018 12:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

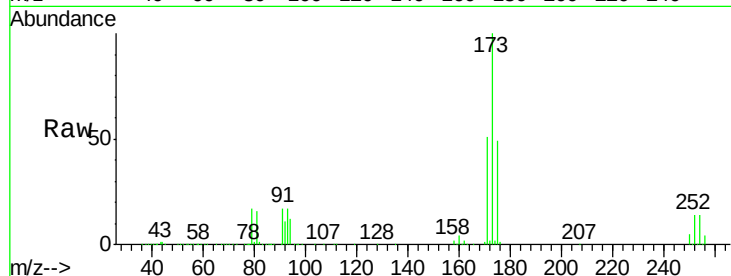
Tgt Ion:173 Resp: 158982

Ion Ratio Lower Upper

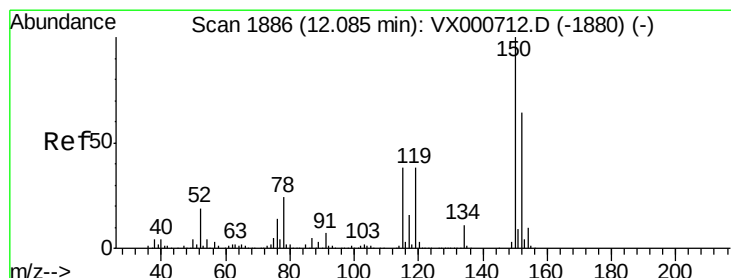
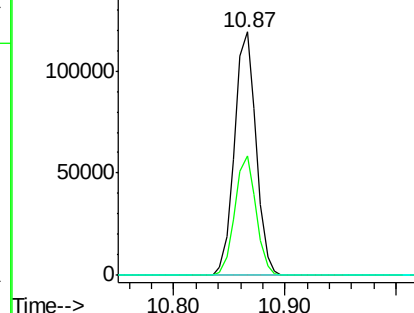
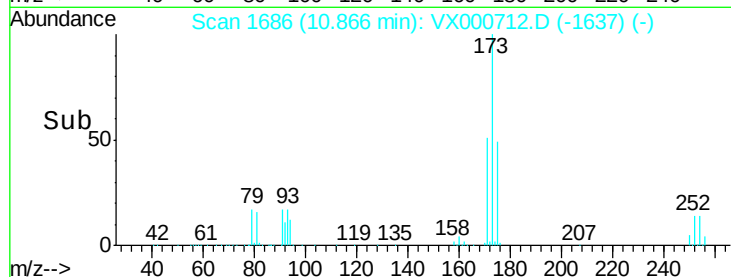
173 100

175 48.4 24.2 72.6

254 0.1 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX000712.D

Acq: 07 Apr 2018 12:40

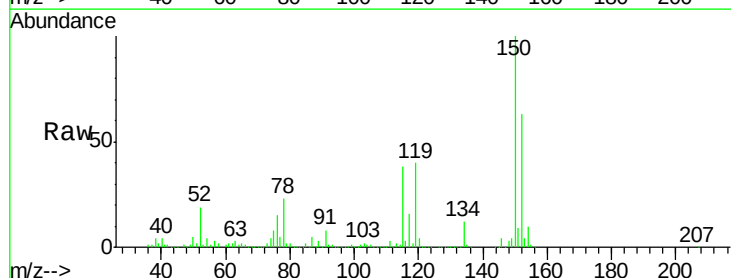
Tgt Ion:152 Resp: 246768

Ion Ratio Lower Upper

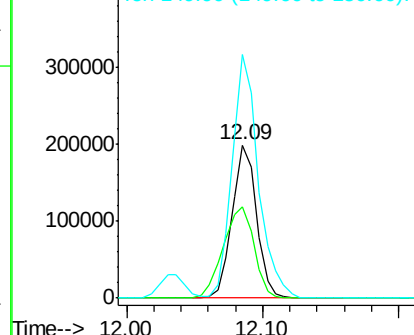
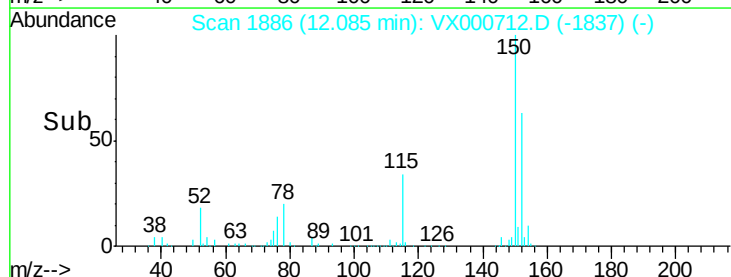
152 100

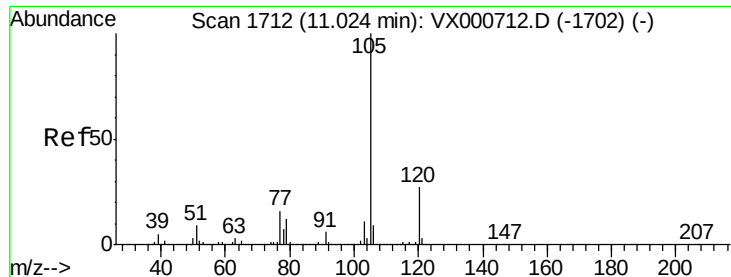
115 75.4 37.7 113.1

150 172.5 0.0 345.0



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

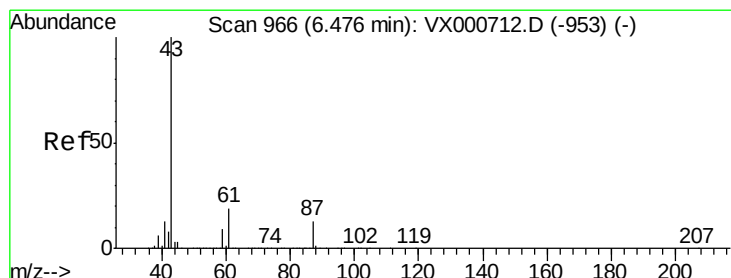
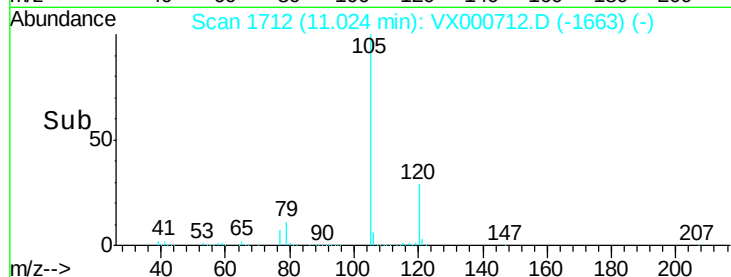
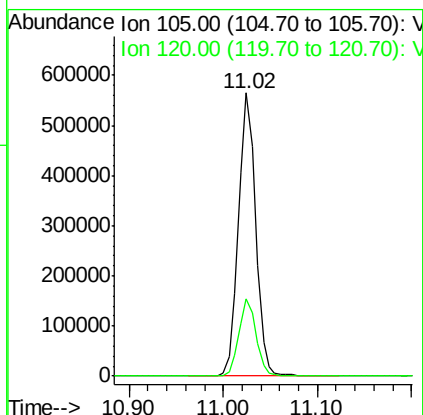
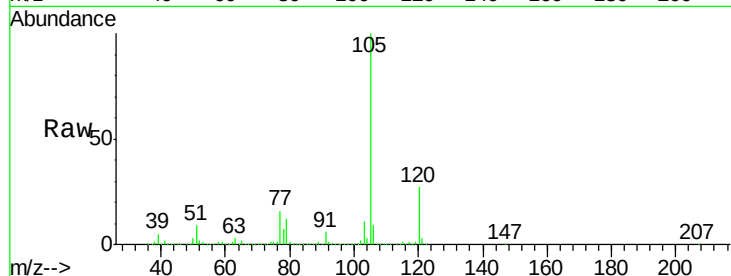




#73
Isopropylbenzene
Concen: 50.00 ug/l
RT: 11.02 min Scan# 1712
Delta R.T. 0.00 min
Lab File: VX000712.D
Acq: 07 Apr 2018 12:40

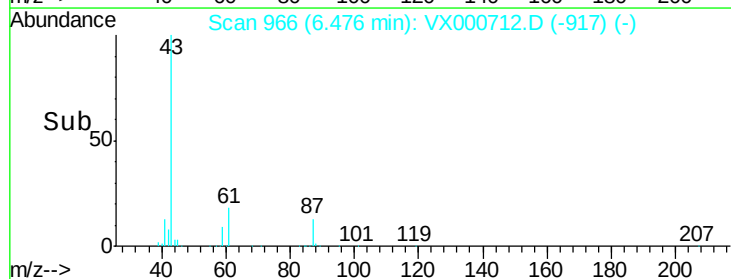
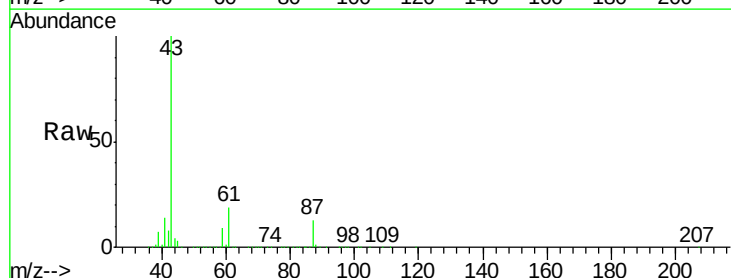
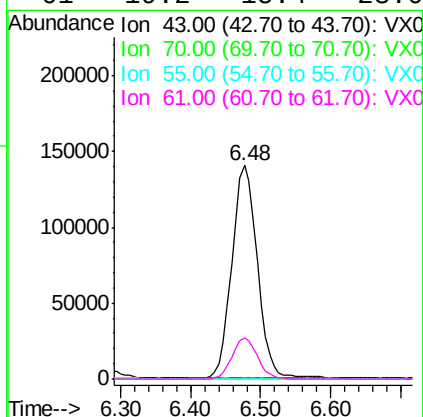
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

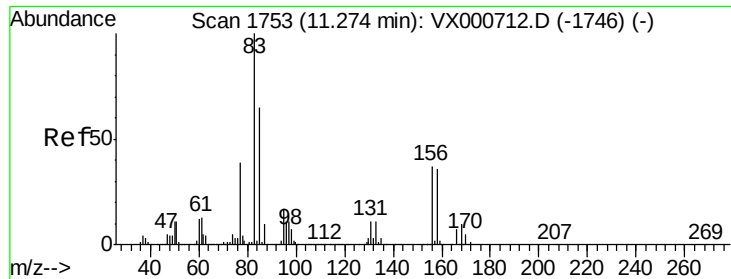
Tgt Ion: 105 Resp: 719480
Ion Ratio Lower Upper
105 100
120 27.3 13.7 41.0



#74
N-ethyl acetate
Concen: 50.00 ug/l
RT: 6.48 min Scan# 966
Delta R.T. 0.00 min
Lab File: VX000712.D
Acq: 07 Apr 2018 12:40

Tgt Ion: 43 Resp: 353816
Ion Ratio Lower Upper
43 100
70 0.0 0.0 0.0#
55 0.0 0.0 0.0#
61 19.2 15.4 23.0





#75

1,1,2,2-Tetrachloroethane

Concen: 50.00 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX000712.D

Acq: 07 Apr 2018 12:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

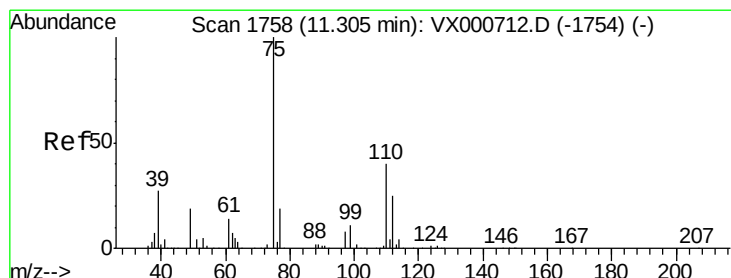
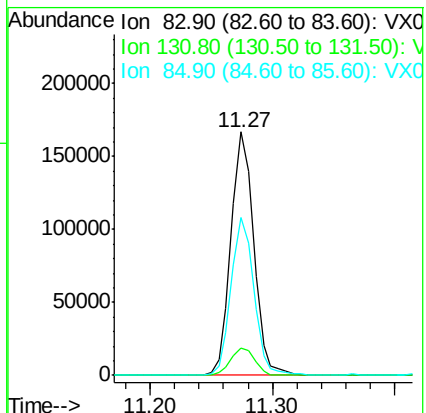
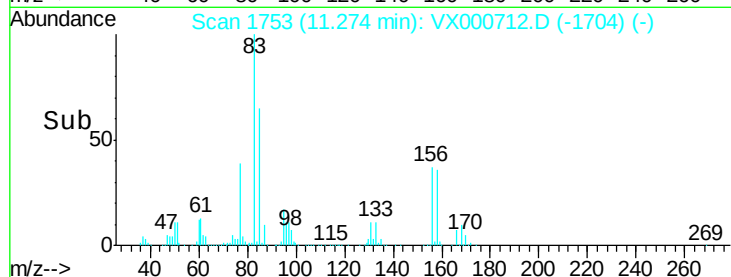
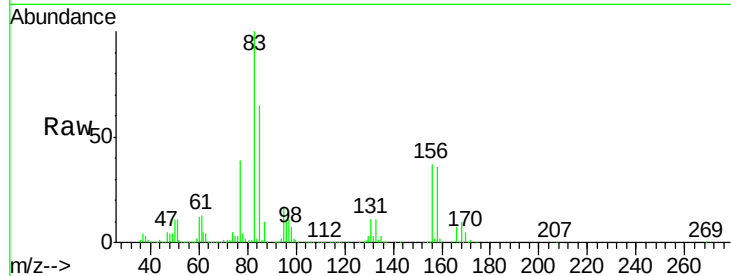
Tgt Ion: 83 Resp: 215239

Ion Ratio Lower Upper

83 100

131 11.8 5.9 17.7

85 65.3 32.6 98.0



#76

1,2,3-Trichloropropane

Concen: 65.46 ug/l

RT: 11.30 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VX000712.D

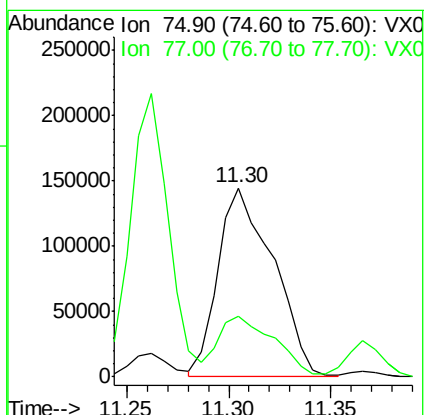
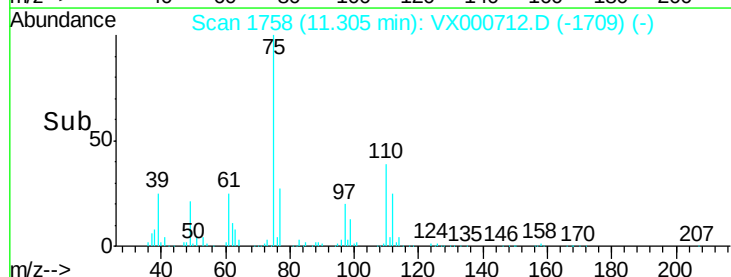
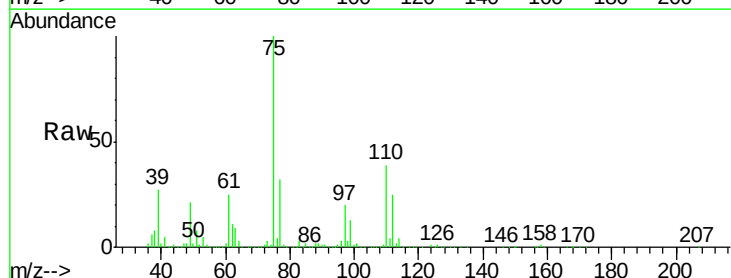
Acq: 07 Apr 2018 12:40

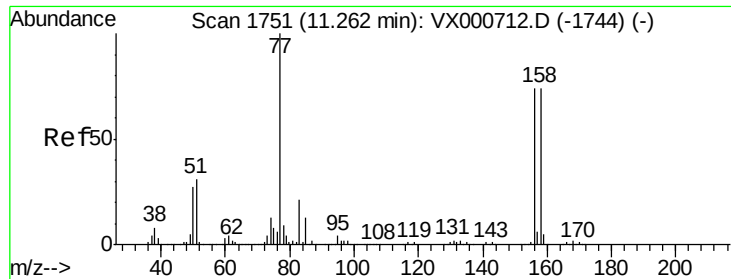
Tgt Ion: 75 Resp: 272665

Ion Ratio Lower Upper

75 100

77 32.5 21.3 63.7





#77

Bromobenzene

Concen: 50.00 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. 0.00 min

Lab File: VX000712.D

Acq: 07 Apr 2018 12:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

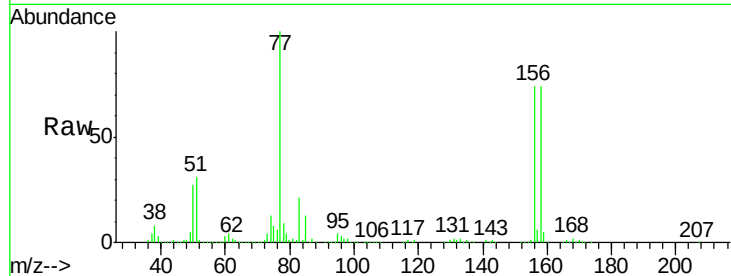
Tgt Ion:156 Resp: 205997

Ion Ratio Lower Upper

156 100

77 136.7 68.3 205.1

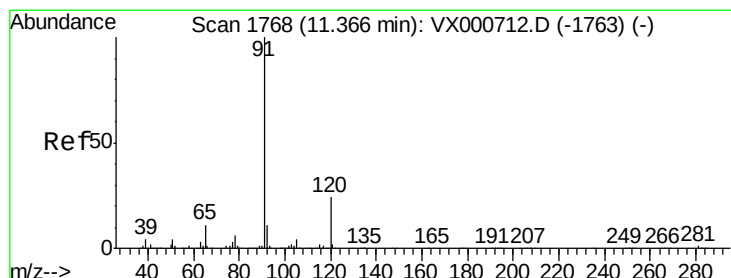
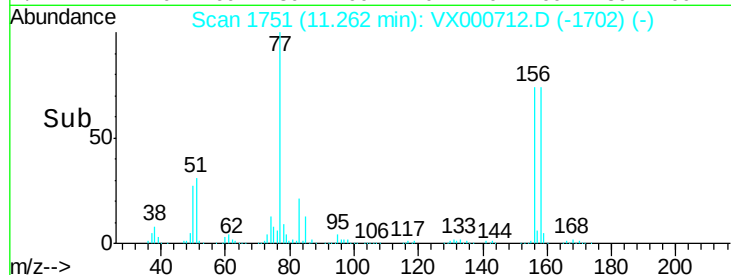
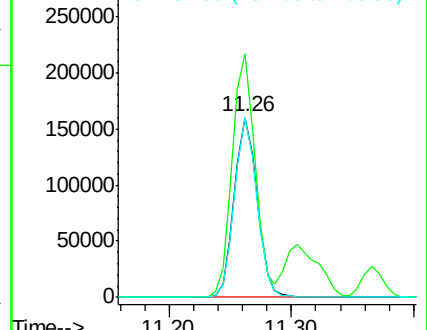
158 98.2 49.1 147.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.00 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VX000712.D

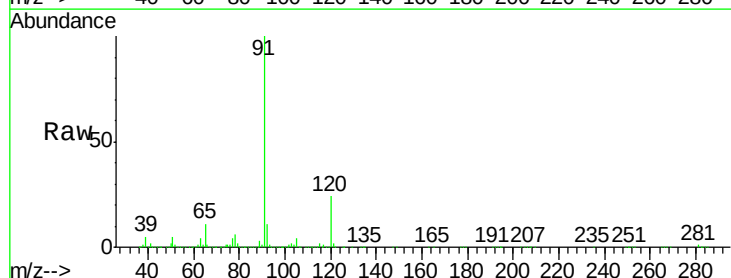
Acq: 07 Apr 2018 12:40

Tgt Ion: 91 Resp: 817620

Ion Ratio Lower Upper

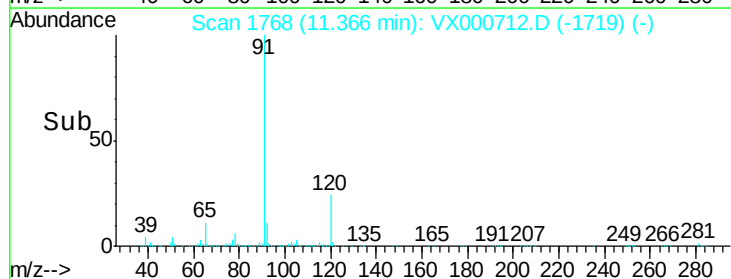
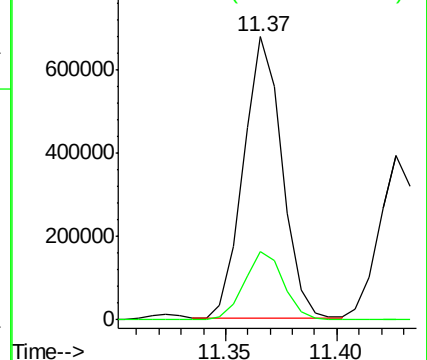
91 100

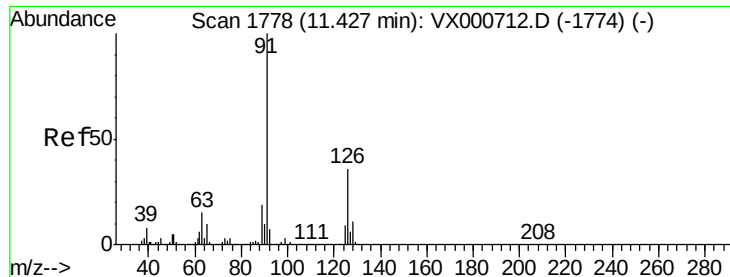
120 25.0 12.5 37.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.00 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX000712.D

Acq: 07 Apr 2018 12:40

Instrument :

MSVOA_X

ClientSampleId :

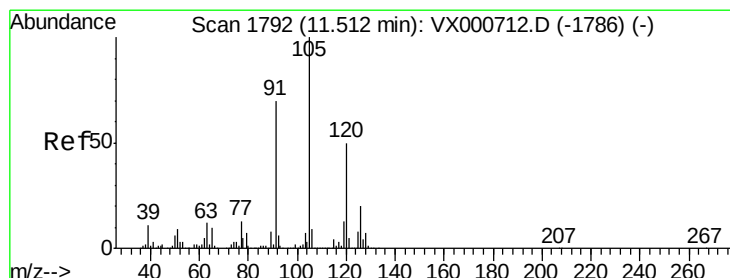
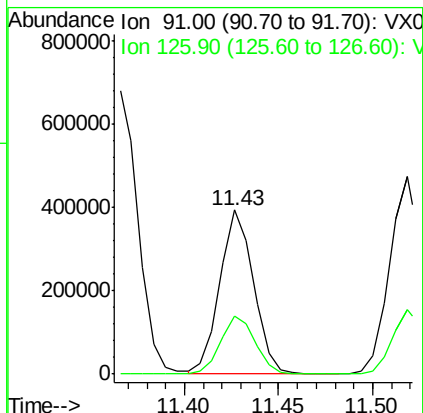
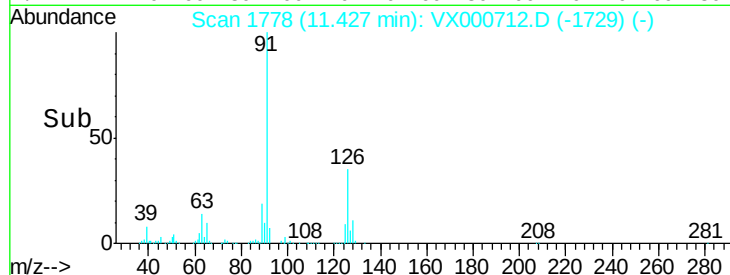
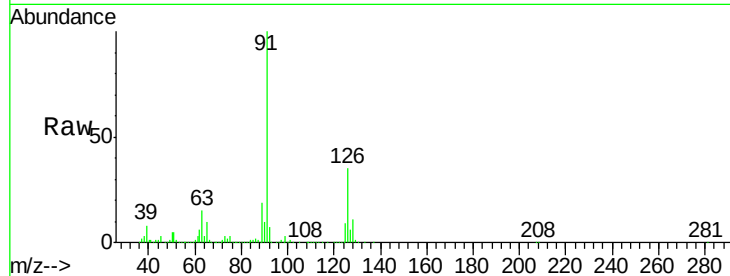
VSTDICCC050

Tgt Ion: 91 Resp: 485337

Ion Ratio Lower Upper

91 100

126 36.6 18.3 54.9



#80

1,3,5-Trimethylbenzene

Concen: 50.00 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX000712.D

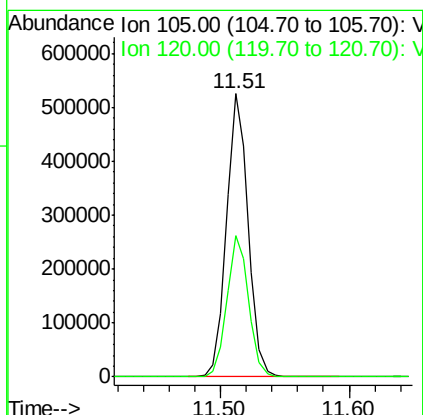
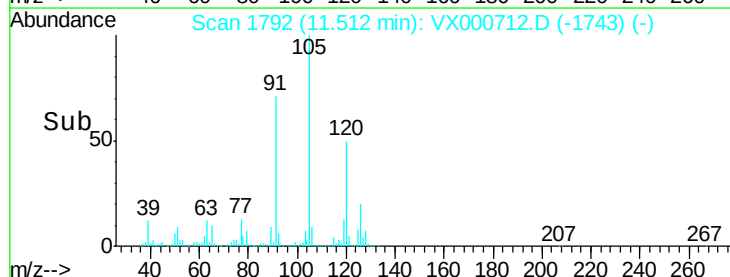
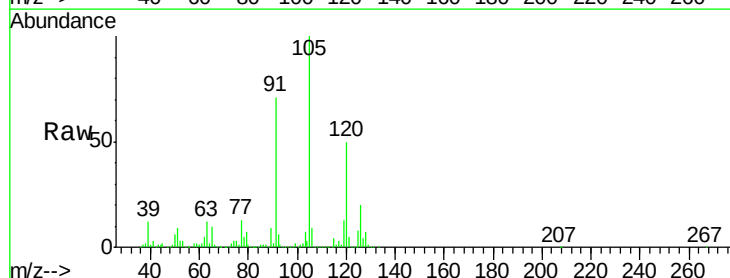
Acq: 07 Apr 2018 12:40

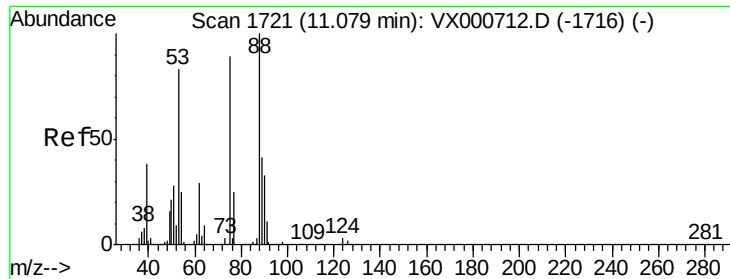
Tgt Ion: 105 Resp: 619049

Ion Ratio Lower Upper

105 100

120 50.2 25.1 75.3





#81

trans-1,4-Dichloro-2-butene

Concen: 50.02 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VX000712.D

Acq: 07 Apr 2018 12:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

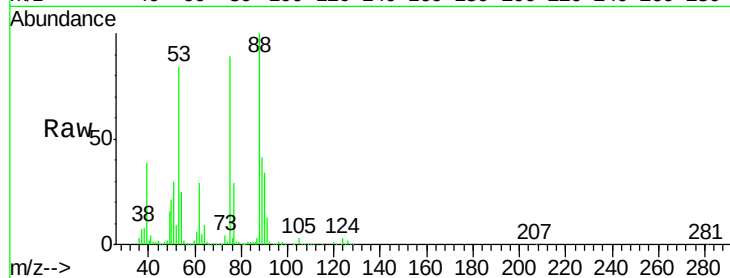
Tgt Ion: 75 Resp: 80014

Ion Ratio Lower Upper

75 100

53 92.6 74.2 111.2

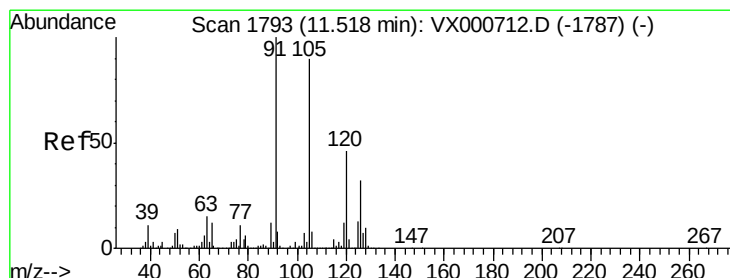
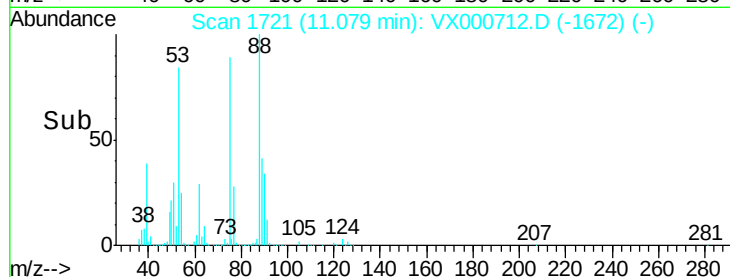
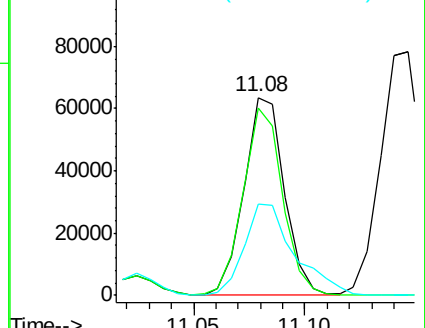
89 58.1 46.6 69.8



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: 50.00 ug/l

RT: 11.52 min Scan# 1793

Delta R.T. 0.00 min

Lab File: VX000712.D

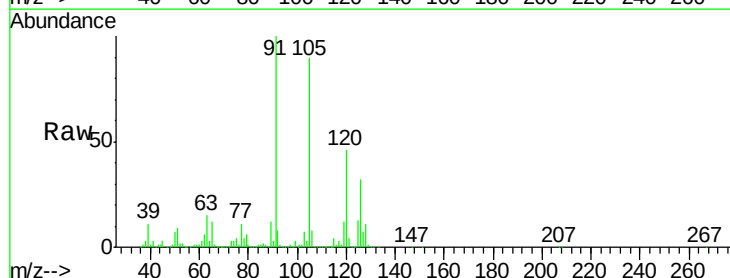
Acq: 07 Apr 2018 12:40

Tgt Ion: 91 Resp: 586776

Ion Ratio Lower Upper

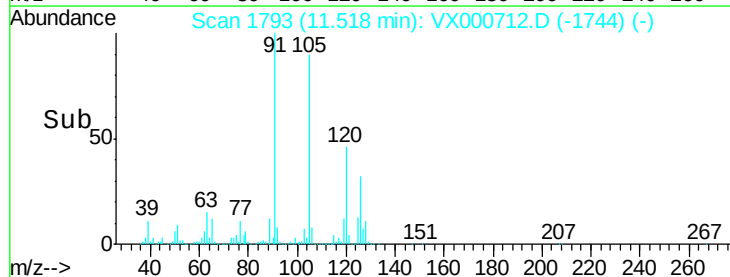
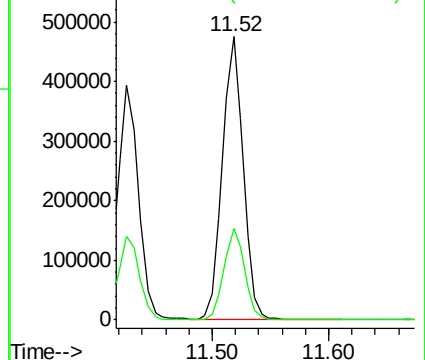
91 100

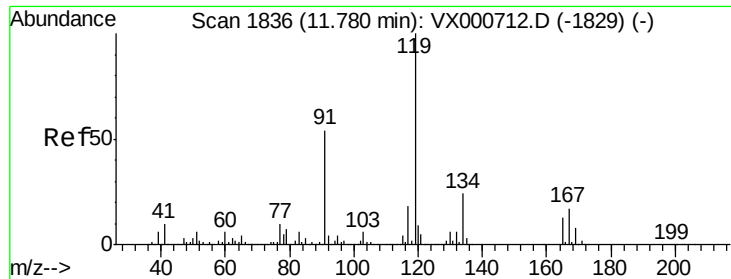
126 32.0 16.0 48.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

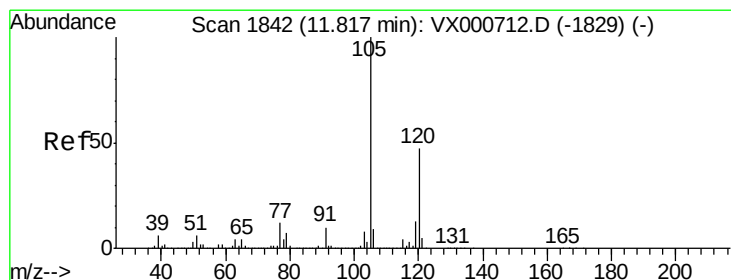
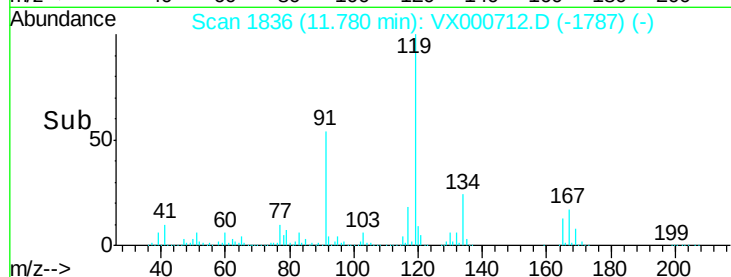
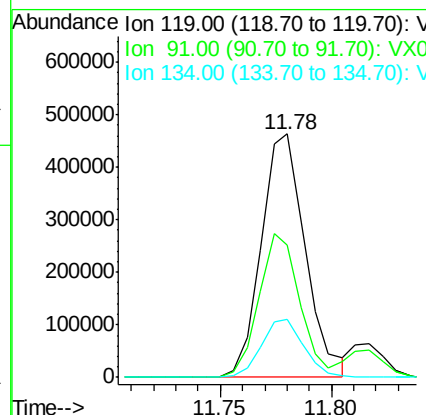
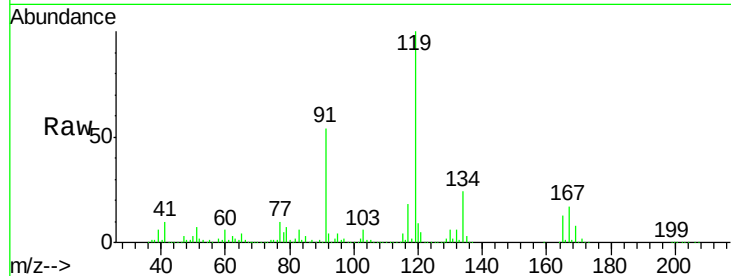




#83
 tert-Butylbenzene
 Concen: 50.00 ug/l
 RT: 11.78 min Scan# 1836
 Delta R.T. 0.00 min
 Lab File: VX000712.D
 Acq: 07 Apr 2018 12:40

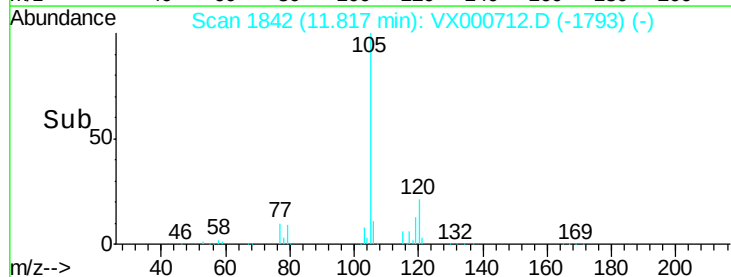
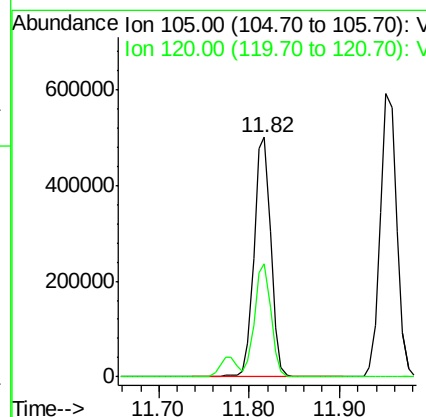
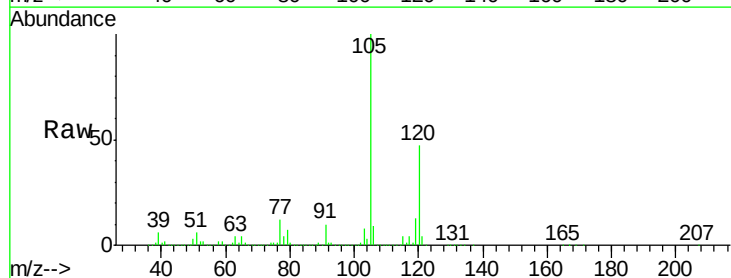
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

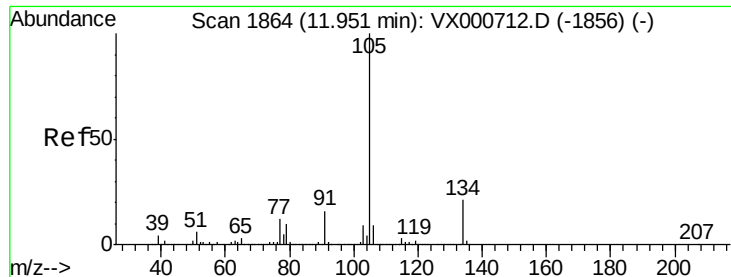
Tgt Ion:119 Resp: 638689
 Ion Ratio Lower Upper
 119 100
 91 54.5 27.3 81.8
 134 22.9 11.5 34.4



#84
 1,2,4-Trimethylbenzene
 Concen: 50.00 ug/l
 RT: 11.82 min Scan# 1842
 Delta R.T. 0.00 min
 Lab File: VX000712.D
 Acq: 07 Apr 2018 12:40

Tgt Ion:105 Resp: 641337
 Ion Ratio Lower Upper
 105 100
 120 45.7 22.9 68.5





#85

sec-Butylbenzene

Concen: 50.00 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX000712.D

Acq: 07 Apr 2018 12:40

Instrument :

MSVOA_X

ClientSampleId :

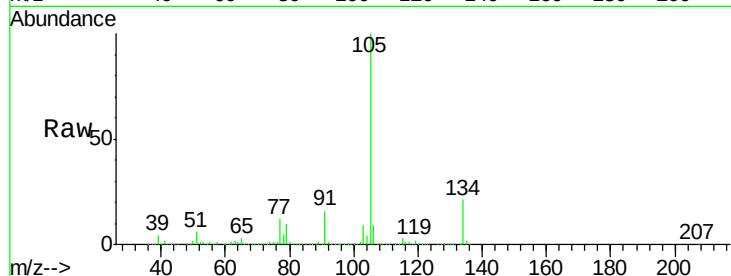
VSTDICCC050

Tgt Ion:105 Resp: 748522

Ion Ratio Lower Upper

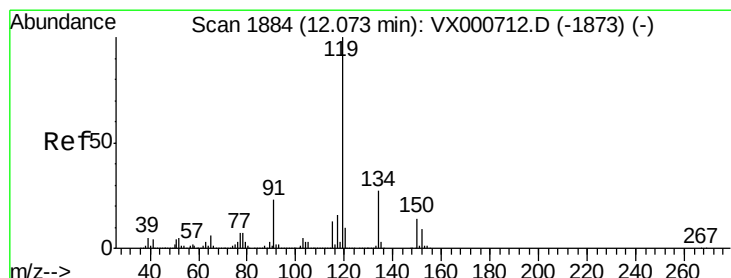
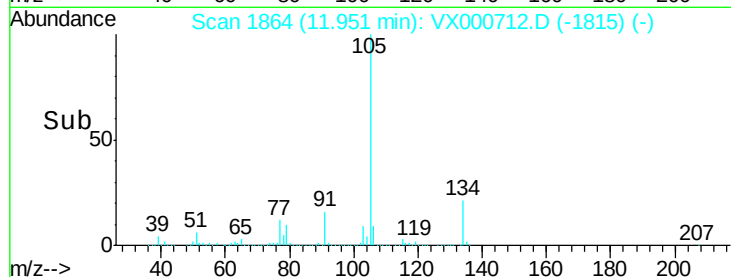
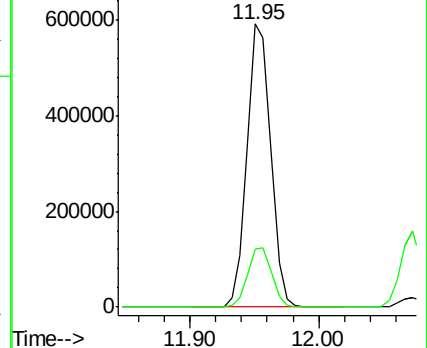
105 100

134 21.4 10.7 32.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 50.00 ug/l

RT: 12.07 min Scan# 1884

Delta R.T. 0.00 min

Lab File: VX000712.D

Acq: 07 Apr 2018 12:40

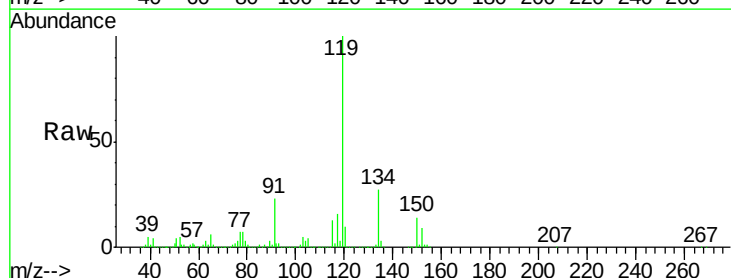
Tgt Ion:119 Resp: 697631

Ion Ratio Lower Upper

119 100

134 26.8 13.4 40.2

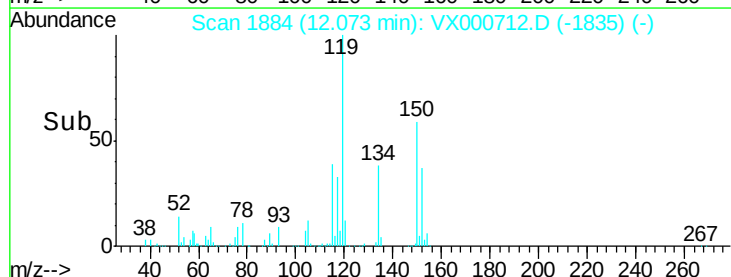
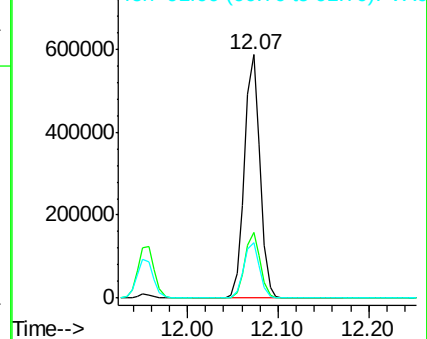
91 22.9 11.5 34.4

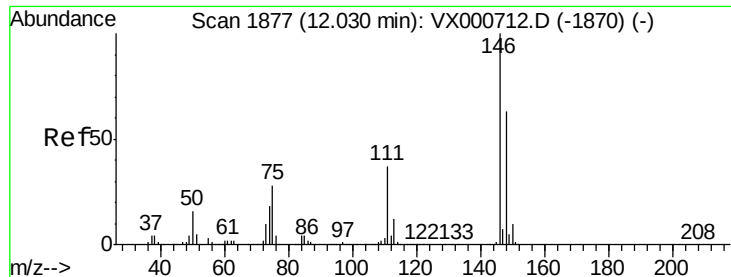


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





#87

1,3-Dichlorobenzene

Concen: 50.00 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VX000712.D

Acq: 07 Apr 2018 12:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

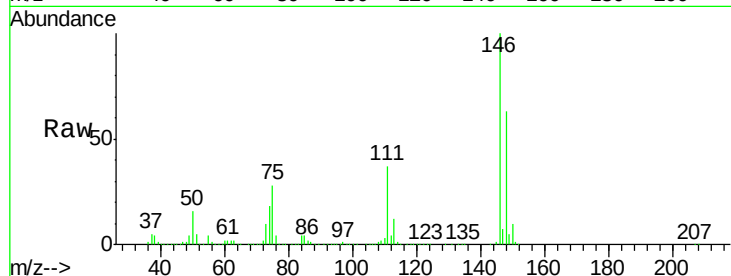
Tgt Ion:146 Resp: 382866

Ion Ratio Lower Upper

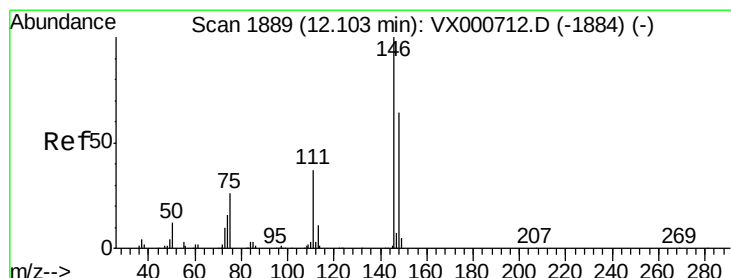
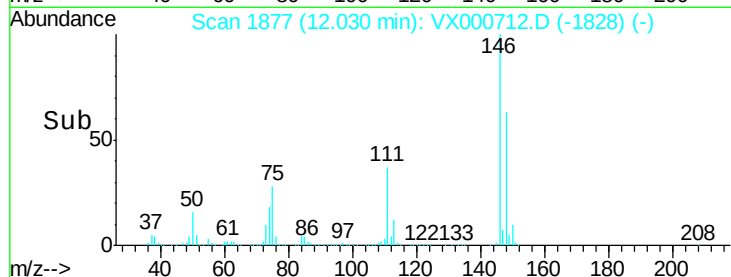
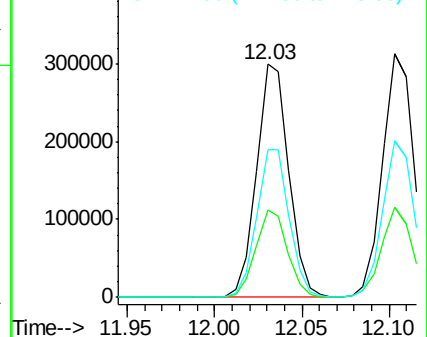
146 100

111 37.2 18.6 55.8

148 64.1 32.0 96.2



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: 50.00 ug/l

RT: 12.10 min Scan# 1889

Delta R.T. 0.00 min

Lab File: VX000712.D

Acq: 07 Apr 2018 12:40

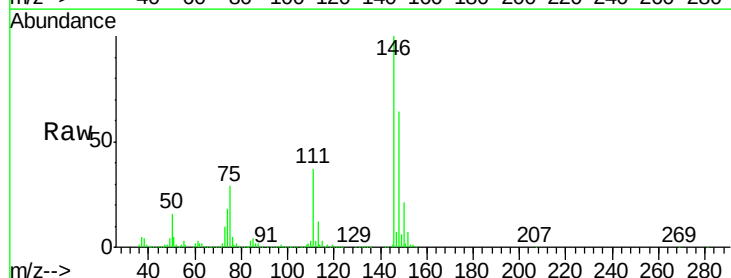
Tgt Ion:146 Resp: 389833

Ion Ratio Lower Upper

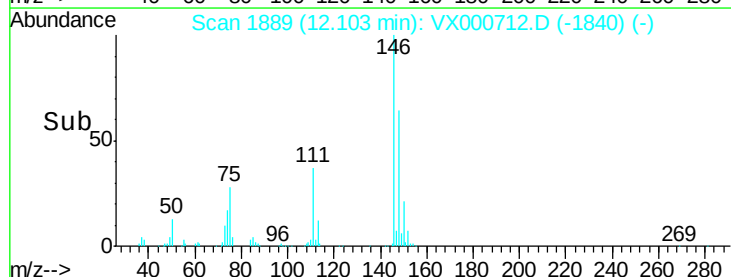
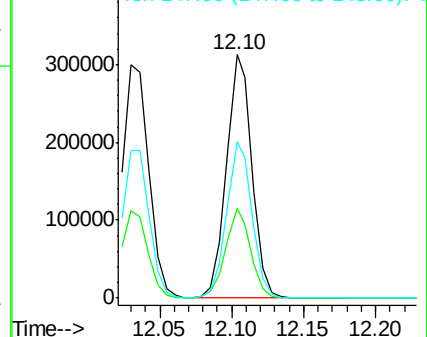
146 100

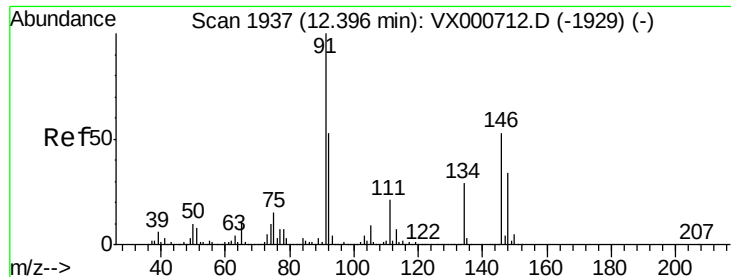
111 36.4 18.2 54.6

148 64.3 32.1 96.5



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V

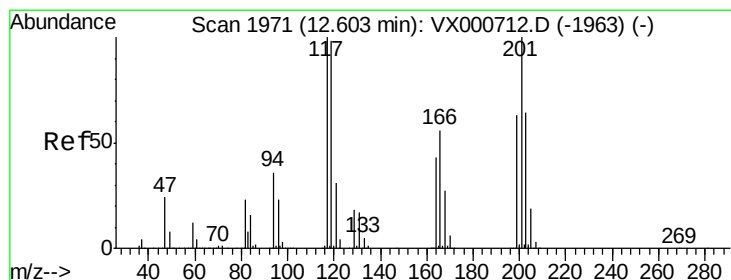
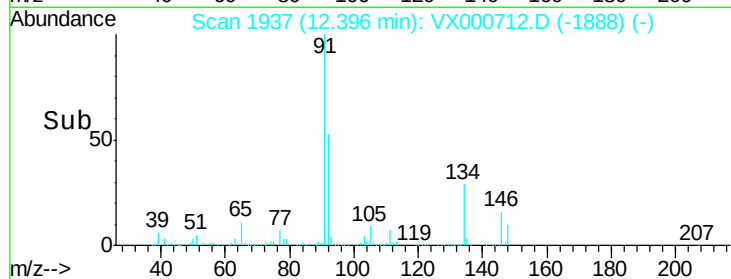
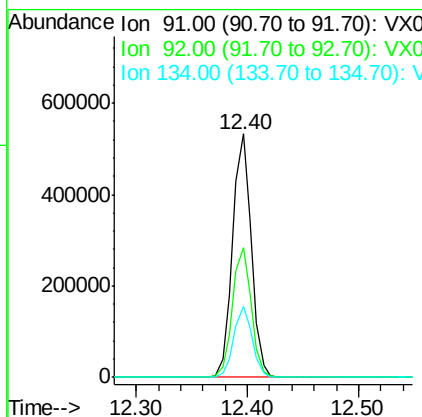
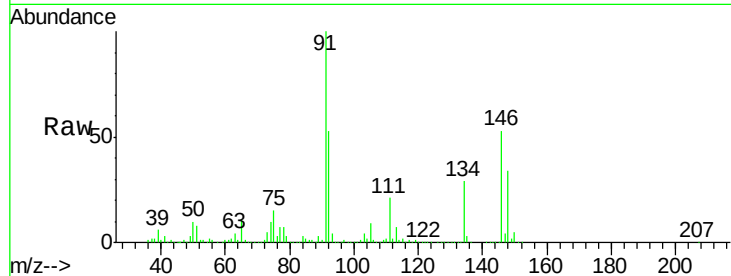




#89
n-Butylbenzene
Concen: 50.00 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VX000712.D
Acq: 07 Apr 2018 12:40

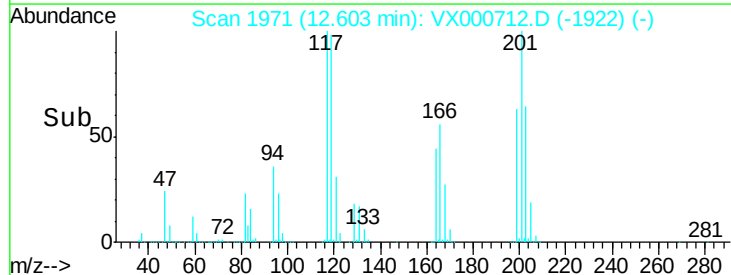
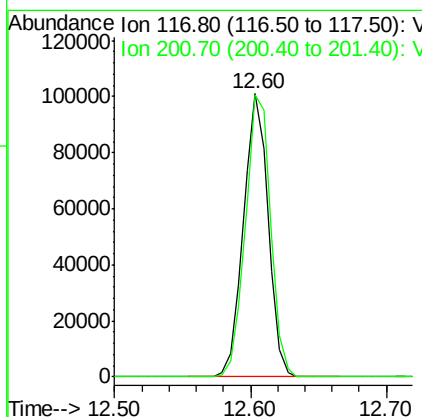
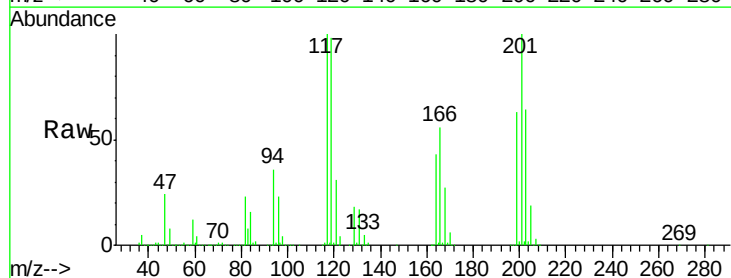
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

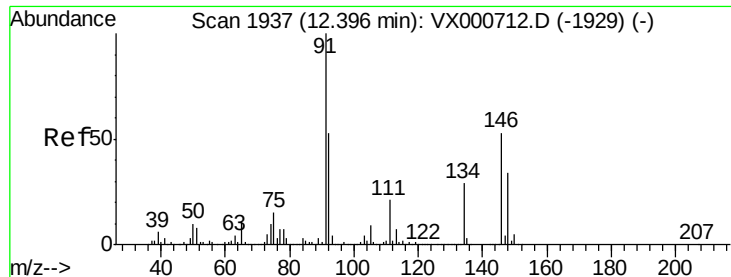
Tgt Ion: 91 Resp: 618006
Ion Ratio Lower Upper
91 100
92 53.3 26.7 80.0
134 28.7 14.4 43.0



#90
Hexachloroethane
Concen: 50.00 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VX000712.D
Acq: 07 Apr 2018 12:40

Tgt Ion: 117 Resp: 127622
Ion Ratio Lower Upper
117 100
201 102.4 51.2 153.6

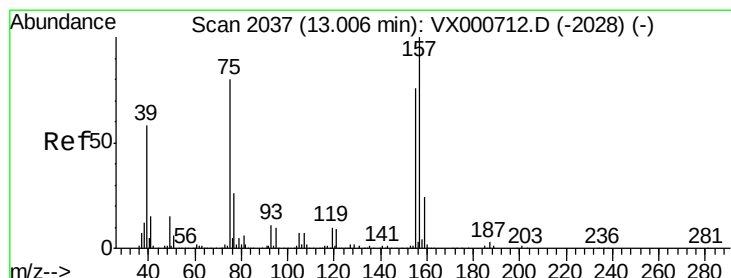
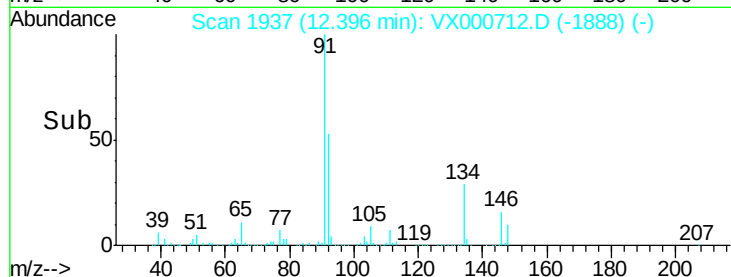
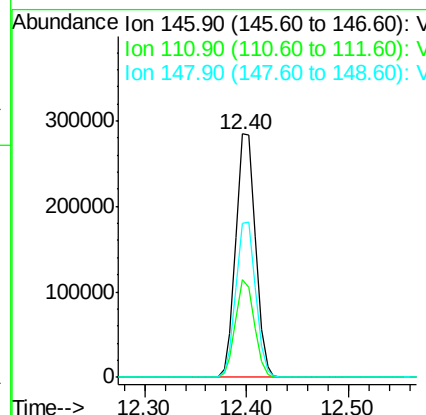
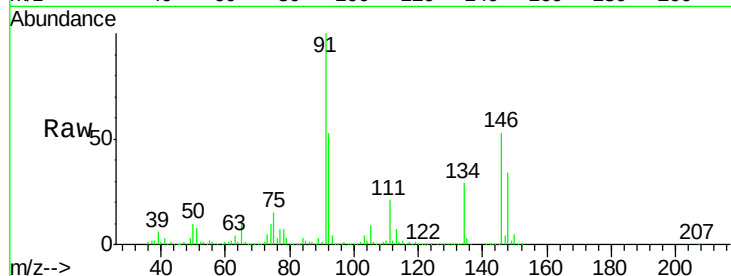




#91
 1,2-Dichlorobenzene
 Concen: 50.00 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX000712.D
 Acq: 07 Apr 2018 12:40

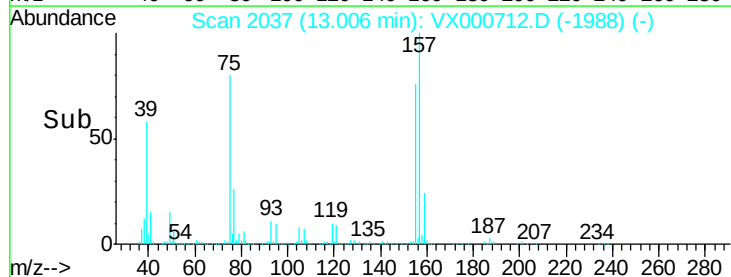
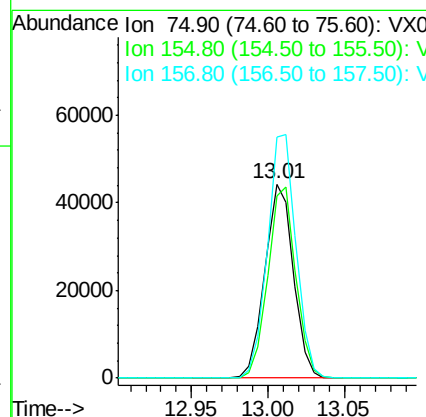
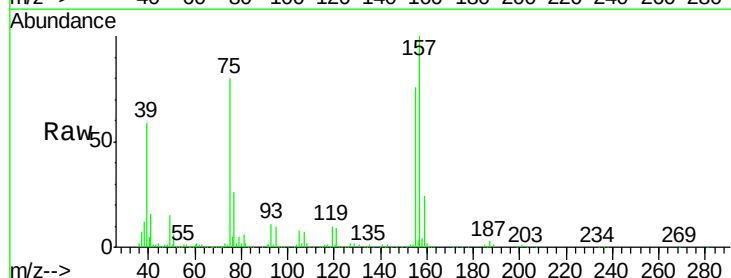
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

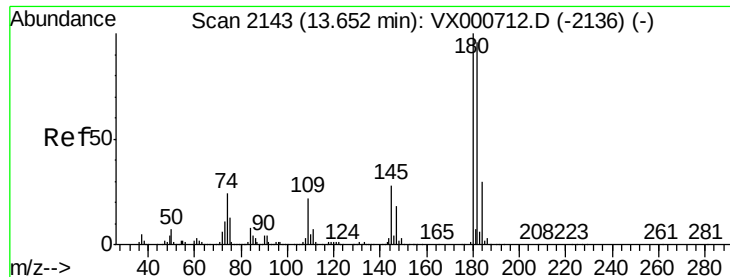
Tgt Ion:146 Resp: 377357
 Ion Ratio Lower Upper
 146 100
 111 38.6 19.3 57.9
 148 63.8 31.9 95.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.00 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VX000712.D
 Acq: 07 Apr 2018 12:40

Tgt Ion: 75 Resp: 57772
 Ion Ratio Lower Upper
 75 100
 155 96.7 48.4 145.0
 157 125.7 62.8 188.5

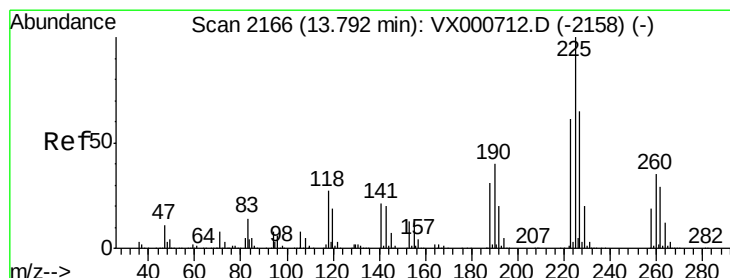
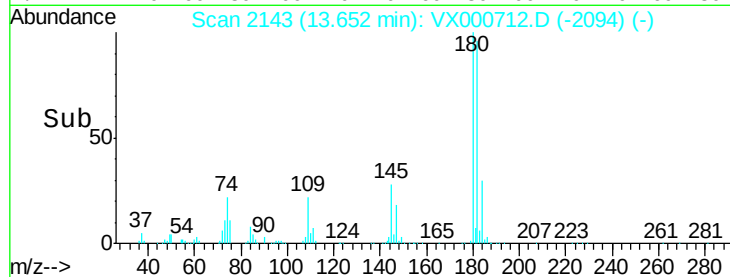
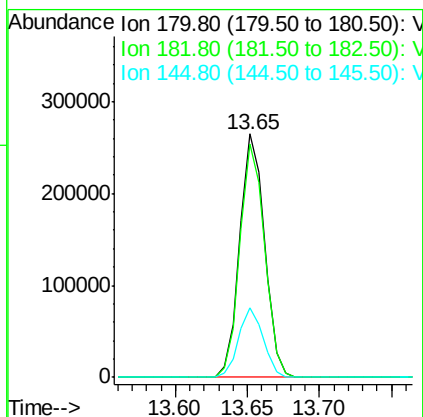
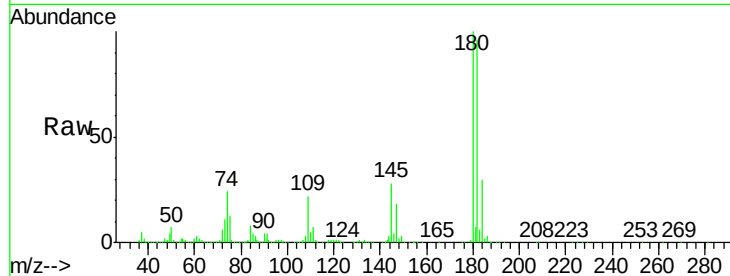




#93
 1,2,4-Trichlorobenzene
 Concen: 50.00 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX000712.D
 Acq: 07 Apr 2018 12:40

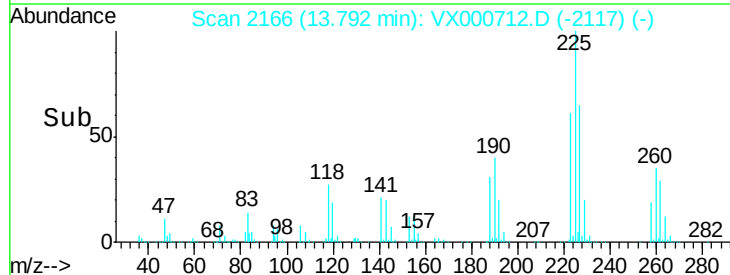
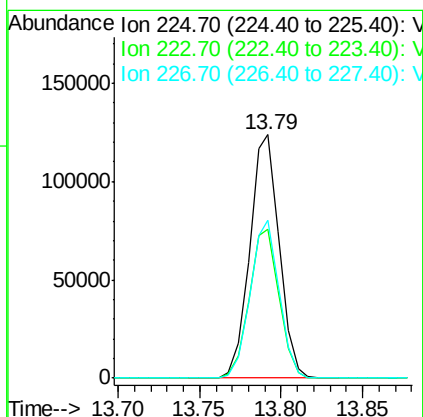
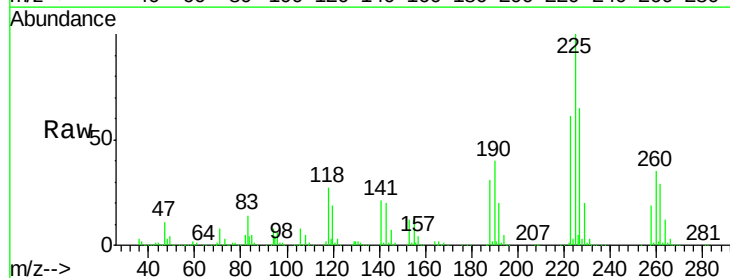
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

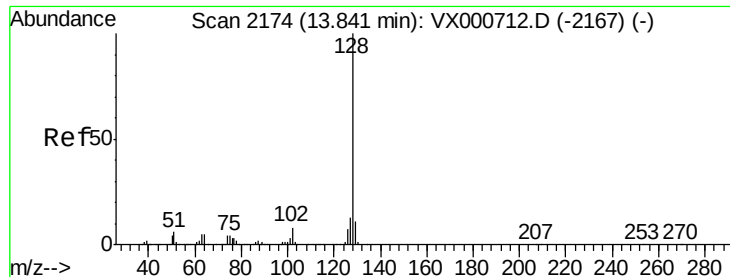
Tgt Ion:180 Resp: 316724
 Ion Ratio Lower Upper
 180 100
 182 95.8 47.9 143.7
 145 28.2 14.1 42.3



#94
 Hexachlorobutadiene
 Concen: 50.00 ug/l
 RT: 13.79 min Scan# 2166
 Delta R.T. 0.00 min
 Lab File: VX000712.D
 Acq: 07 Apr 2018 12:40

Tgt Ion:225 Resp: 155408
 Ion Ratio Lower Upper
 225 100
 223 61.9 30.9 92.8
 227 63.8 31.9 95.7

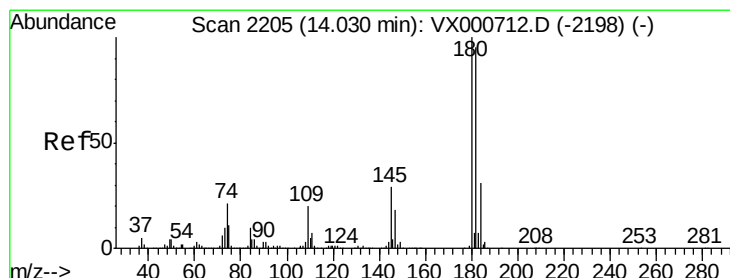
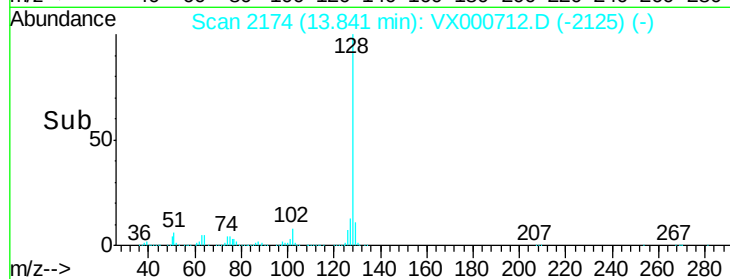
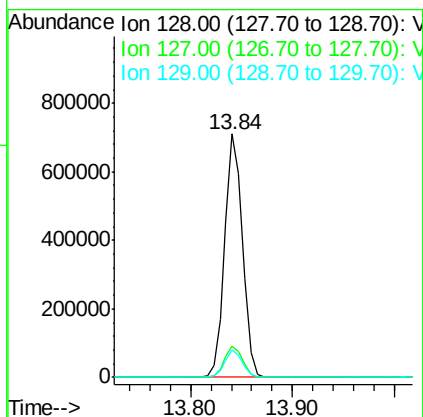
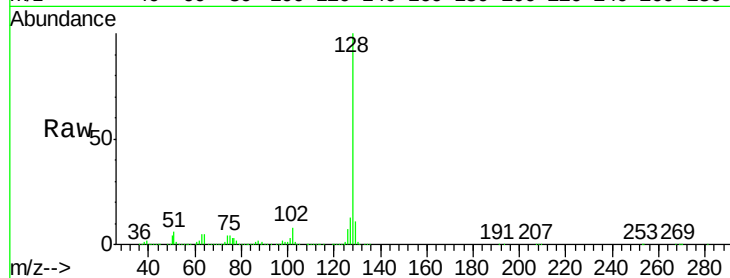




#95
Naphthalene
Concen: 50.00 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. 0.00 min
Lab File: VX000712.D
Acq: 07 Apr 2018 12:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:128 Resp: 859366
Ion Ratio Lower Upper
128 100
127 13.0 10.4 15.6
129 11.0 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 50.00 ug/l
RT: 14.03 min Scan# 2205
Delta R.T. 0.00 min
Lab File: VX000712.D
Acq: 07 Apr 2018 12:40

Tgt Ion:180 Resp: 309812
Ion Ratio Lower Upper
180 100
182 95.5 47.8 143.3
145 29.9 14.9 44.9

