

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX050618\
 Data File : VX001459.D
 Acq On : 06 May 2018 21:57
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Quant Time: May 07 07:13:42 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050518W.M
 Quant Title : SW846 8260
 QLast Update : Sun May 06 07:59:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	262578	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	350247	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	335682	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	241484	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	187350	49.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.28%	
35) Dibromofluoromethane	5.51	113	154375	49.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.10%	
50) Toluene-d8	8.72	98	568268	49.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.94%	
62) 4-Bromofluorobenzene	11.14	95	214786	49.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	183777	51.99	ug/l	99
3) Chloromethane	1.32	50	174286	50.63	ug/l	99
4) Vinyl Chloride	1.40	62	185413	51.61	ug/l	99
5) Bromomethane	1.64	94	89045	54.46	ug/l	99
6) Chloroethane	1.71	64	120052	50.55	ug/l	100
7) Trichlorofluoromethane	1.93	101	279380	51.67	ug/l	100
8) Diethyl Ether	2.19	74	108337	51.12	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	154896	48.86	ug/l	99
10) Methyl Iodide	2.51	142	250761	54.82	ug/l	100
11) Tert butyl alcohol	3.09	59	205396	258.13	ug/l	100
12) 1,1-Dichloroethene	2.37	96	148984	51.28	ug/l	99
13) Acrolein	2.30	56	41582	265.83	ug/l	98
14) Allyl chloride	2.73	41	278673	51.44	ug/l	99
15) Acrylonitrile	3.15	53	453819	252.39	ug/l	99
16) Acetone	2.45	43	404344	235.94	ug/l	99
17) Carbon Disulfide	2.57	76	381844	51.64	ug/l	99
18) Methyl Acetate	2.78	43	232613	51.66	ug/l	100
19) Methyl tert-butyl Ether	3.21	73	525560	51.95	ug/l	99
20) Methylene Chloride	2.86	84	169053	49.82	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	163272	50.35	ug/l	99
22) Diisopropyl ether	3.88	45	526611	52.03	ug/l	98
23) Vinyl Acetate	3.83	43	2231715	264.56	ug/l	100
24) 1,1-Dichloroethane	3.70	63	275838	48.79	ug/l	100
25) 2-Butanone	4.71	43	625127	252.35	ug/l	100
26) 2,2-Dichloropropane	4.59	77	193068	44.22	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	179815	52.07	ug/l	96
28) Bromochloromethane	5.03	49	125014	51.00	ug/l	99
29) Tetrahydrofuran	5.17	42	407149	256.88	ug/l	100
30) Chloroform	5.23	83	307786	52.84	ug/l	97
31) Cyclohexane	5.58	56	250905	51.67	ug/l	95
32) 1,1,1-Trichloroethane	5.50	97	277584	54.53	ug/l	100
36) 1,1-Dichloropropene	5.81	75	224159	50.31	ug/l	99
37) Ethyl Acetate	4.87	43	243431	49.84	ug/l	100
38) Carbon Tetrachloride	5.79	117	248150	52.22	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	258406	49.06	ug/l	98
40) Benzene	6.15	78	668585	51.38	ug/l	99
41) Methacrylonitrile	5.07	41	140465	50.27	ug/l	99
42) 1,2-Dichloroethane	6.20	62	257220	51.43	ug/l	100
43) Isopropyl Acetate	6.48	43	392220	52.32	ug/l	99
44) Trichloroethene	7.22	130	204107	51.32	ug/l	98
45) 1,2-Dichloropropane	7.52	63	165373	50.97	ug/l	99
46) Dibromomethane	7.67	93	117064	50.97	ug/l	99
47) Bromodichloromethane	7.90	83	228322	53.72	ug/l	100
48) Methyl methacrylate	7.79	41	209797	51.39	ug/l	99
49) 1,4-Dioxane	7.76	88	91643	1039.05	ug/l	99
51) 4-Methyl-2-Pentanone	8.66	43	1303235	261.59	ug/l	99
52) Toluene	8.79	92	448301	52.69	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	260554	54.24	ug/l	98
54) cis-1,3-Dichloropropene	9.05	75	238534	48.12	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	175285	51.13	ug/l	99
56) Ethyl methacrylate	9.19	69	261740	52.97	ug/l	100
57) 1,3-Dichloropropane	9.38	76	290226	51.20	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	644941	266.10	ug/l	99
59) 2-Hexanone	9.51	43	974002	255.31	ug/l	99
60) Dibromochloromethane	9.59	129	191912	54.67	ug/l	98
61) 1,2-Dibromoethane	9.68	107	189202	52.57	ug/l	99
64) Tetrachloroethene	9.34	164	243319	52.00	ug/l	98
65) Chlorobenzene	10.14	112	501994	50.99	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	186997	53.10	ug/l	99
67) Ethyl Benzene	10.26	91	837942	51.93	ug/l	100
68) m/p-Xylenes	10.37	106	673073	105.57	ug/l	99
69) o-Xylene	10.70	106	327198	52.80	ug/l	99
70) Styrene	10.72	104	541758	53.82	ug/l	99
71) Bromoform	10.86	173	157910	46.87	ug/l	99
73) Isopropylbenzene	11.02	105	872665	52.20	ug/l	100
74) N-amyl acetate	6.48	43	392220	51.65	ug/l	# 99
75) 1,1,2,2-Tetrachloroethane	11.27	83	255117	51.67	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	296610	60.56	ug/l	88
77) Bromobenzene	11.26	156	249605	51.36	ug/l	99
78) n-propylbenzene	11.37	91	969690	53.27	ug/l	100
79) 2-Chlorotoluene	11.43	91	578724	51.66	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	736007	52.88	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	66588	43.92	ug/l	98
82) 4-Chlorotoluene	11.52	91	678237	52.48	ug/l	100
83) tert-Butylbenzene	11.77	119	719233	51.93	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	758963	53.06	ug/l	100
85) sec-Butylbenzene	11.95	105	886827	53.35	ug/l	99
86) p-Isopropyltoluene	12.07	119	815591	53.48	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	449510	51.74	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	451653	50.97	ug/l	100
89) n-Butylbenzene	12.40	91	663430	52.51	ug/l	100
90) Hexachloroethane	12.60	117	125519	54.67	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	451943	51.13	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	58760	54.17	ug/l	98

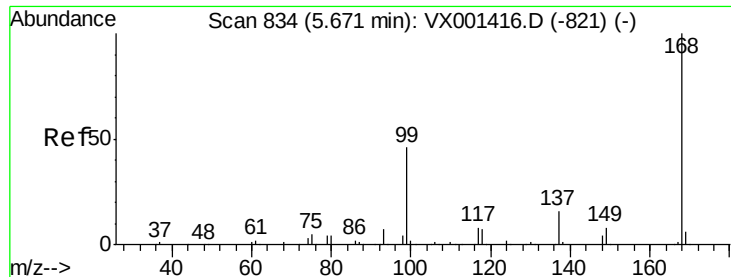
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	341188	52.75	ug/l	100
94) Hexachlorobutadiene	13.79	225	176762	49.95	ug/l	100
95) Naphthalene	13.84	128	980064	54.79	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	351113	52.90	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.00 min

Lab File: VX001459.D

Acq: 06 May 2018 21:57

Instrument :

MSVOA_X

ClientSampleId :

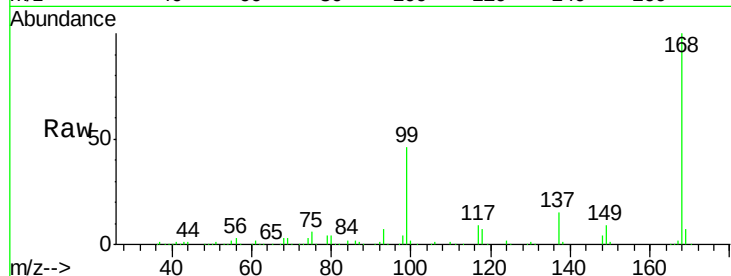
VSTDCCC050EC

Tgt Ion:168 Resp: 262578

Ion Ratio Lower Upper

168 100

99 46.2 36.6 54.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

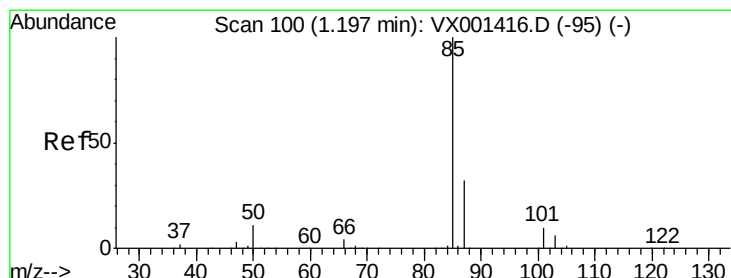
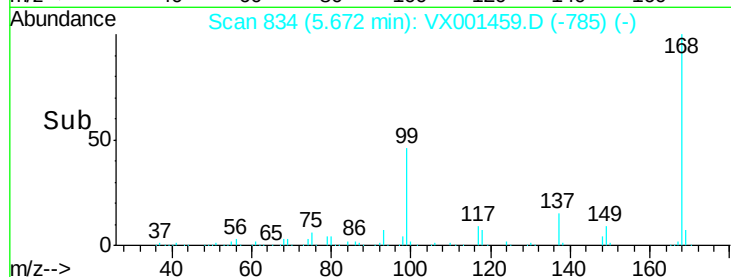
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 51.99 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX001459.D

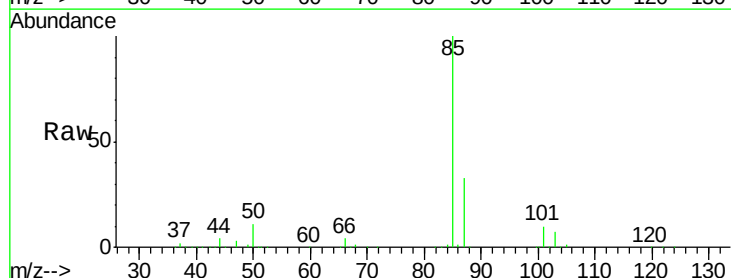
Acq: 06 May 2018 21:57

Tgt Ion: 85 Resp: 183777

Ion Ratio Lower Upper

85 100

87 32.8 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

200000

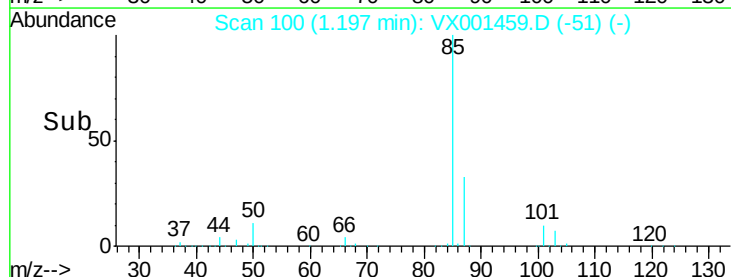
150000

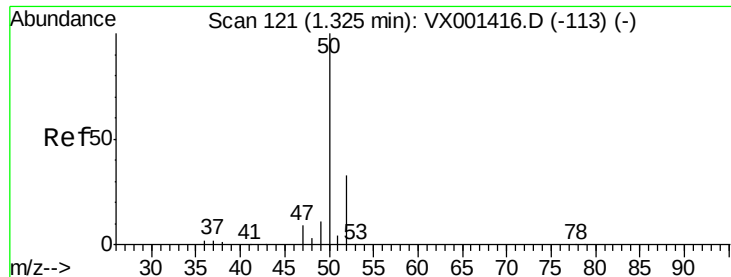
100000

50000

0

Time-->





#3

Chloromethane

Concen: 50.63 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX001459.D

Acq: 06 May 2018 21:57

Instrument :

MSVOA_X

ClientSampleId :

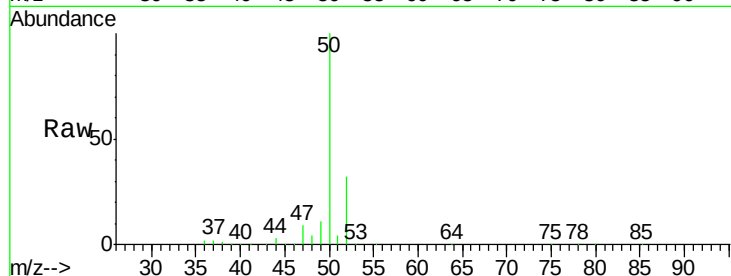
VSTDCCC050EC

Tgt Ion: 50 Resp: 174286

Ion Ratio Lower Upper

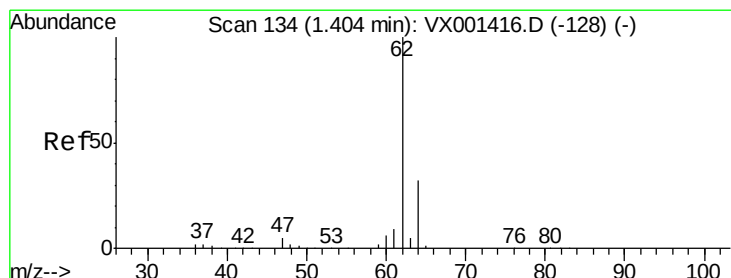
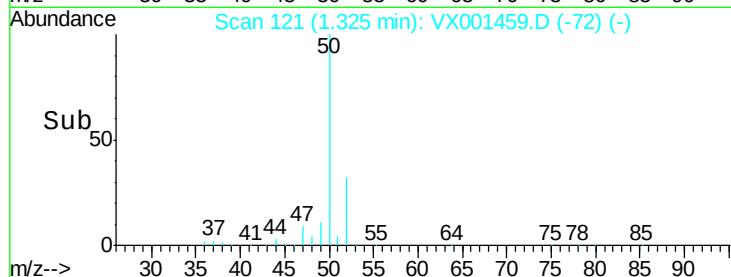
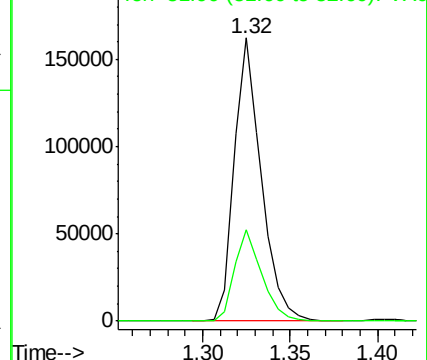
50 100

52 32.4 26.2 39.4



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 51.61 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX001459.D

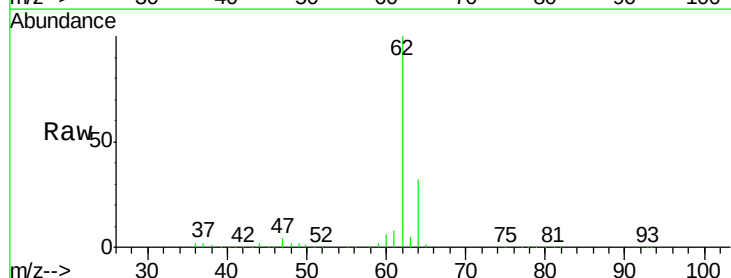
Acq: 06 May 2018 21:57

Tgt Ion: 62 Resp: 185413

Ion Ratio Lower Upper

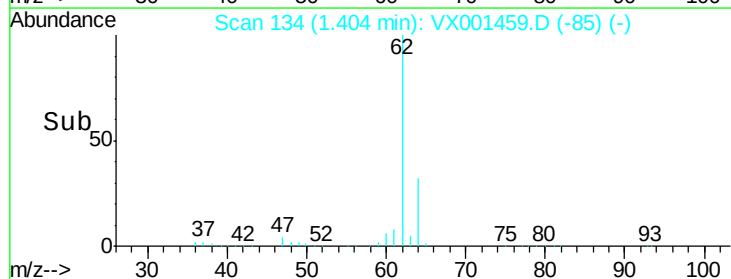
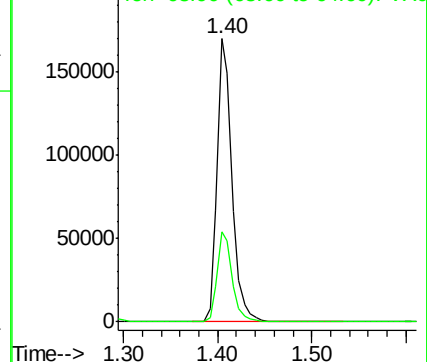
62 100

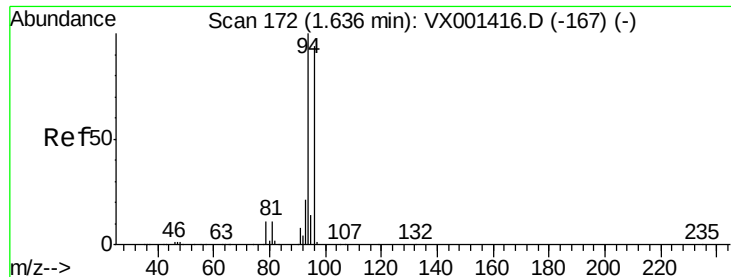
64 31.9 25.8 38.6



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 54.46 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX001459.D

Acq: 06 May 2018 21:57

Instrument :

MSVOA_X

ClientSampleId :

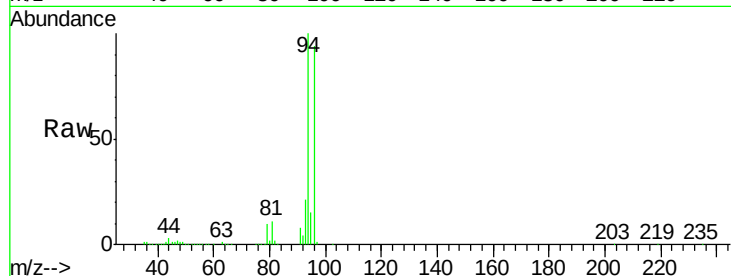
VSTDCCC050EC

Tgt Ion: 94 Resp: 89045

Ion Ratio Lower Upper

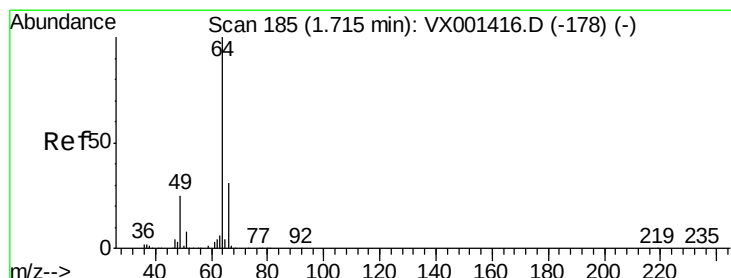
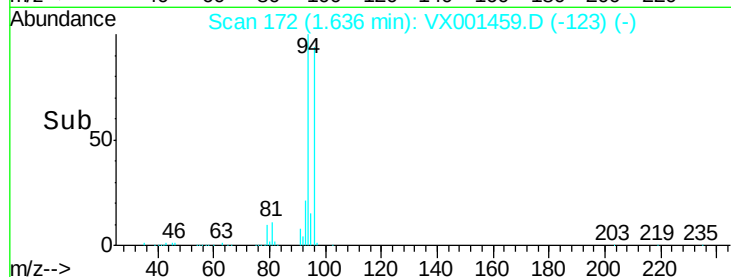
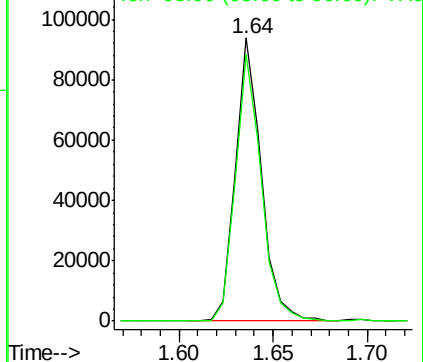
94 100

96 94.3 75.0 112.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 50.55 ug/l

RT: 1.71 min Scan# 185

Delta R.T. 0.00 min

Lab File: VX001459.D

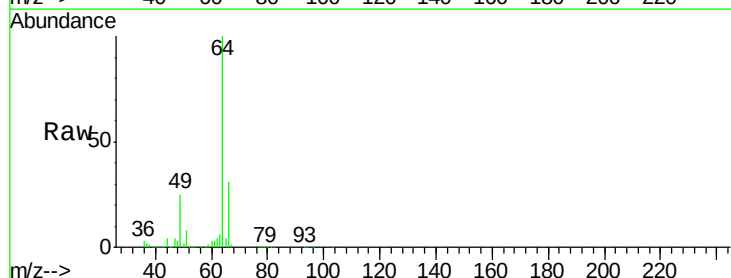
Acq: 06 May 2018 21:57

Tgt Ion: 64 Resp: 120052

Ion Ratio Lower Upper

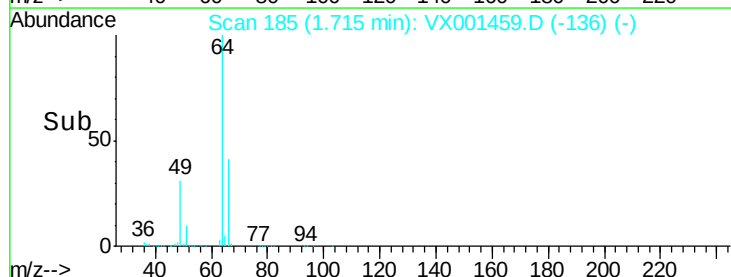
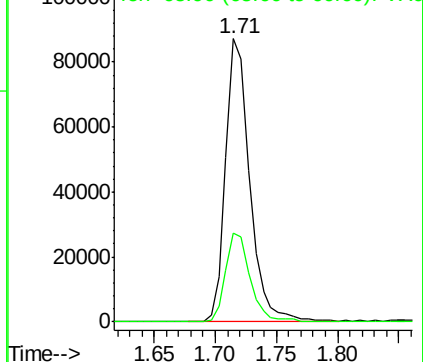
64 100

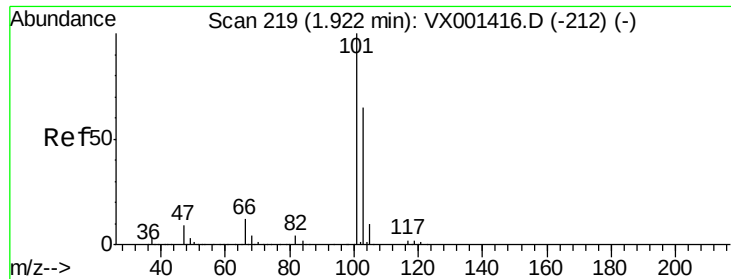
66 31.2 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



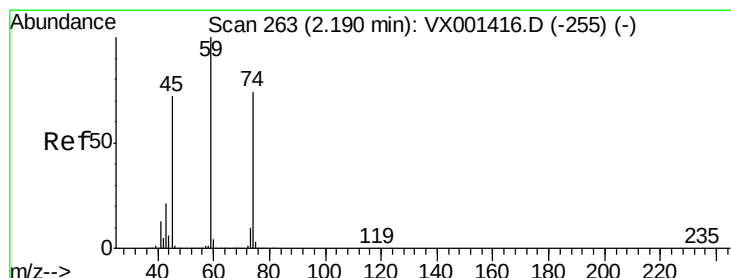
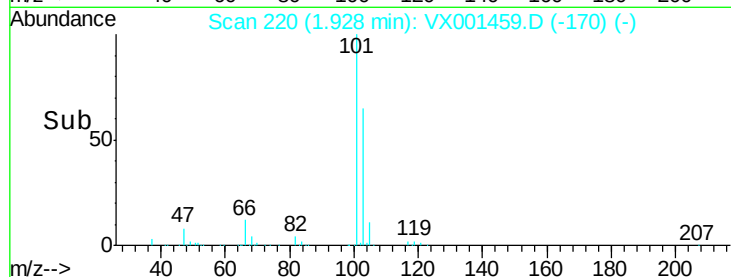
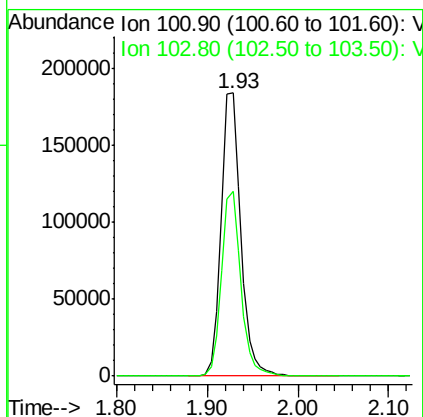
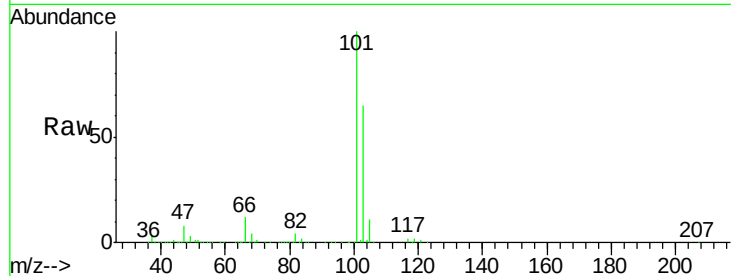


#7

Trichlorofluoromethane
 Concen: 51.67 ug/l
 RT: 1.93 min Scan# 220
 Delta R.T. 0.01 min
 Lab File: VX001459.D
 Acq: 06 May 2018 21:57

Instrument :
 MSVOA_X
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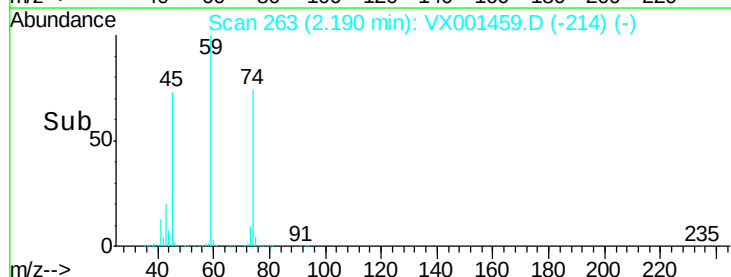
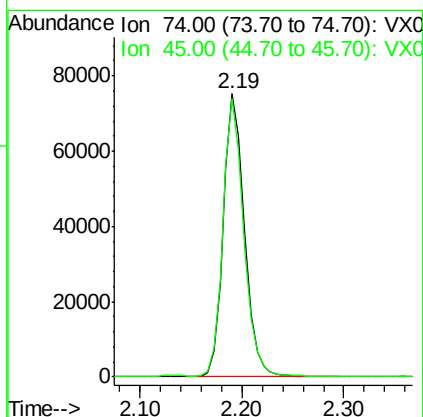
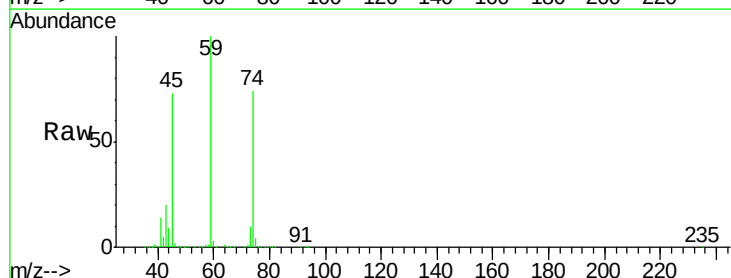
Tgt Ion:101 Resp: 279380
 Ion Ratio Lower Upper
 101 100
 103 65.3 52.0 78.0

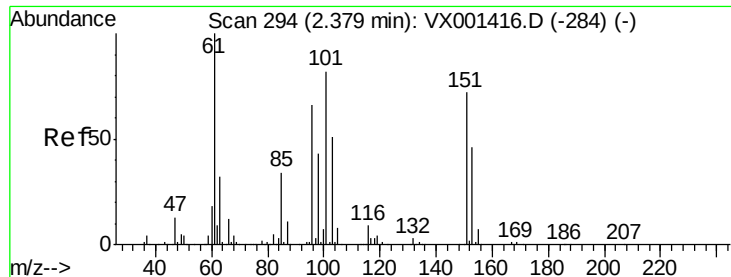


#8

Diethyl Ether
 Concen: 51.12 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. 0.00 min
 Lab File: VX001459.D
 Acq: 06 May 2018 21:57

Tgt Ion: 74 Resp: 108337
 Ion Ratio Lower Upper
 74 100
 45 96.5 47.9 143.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.86 ug/l

RT: 2.38 min Scan# 294

Delta R.T. 0.00 min

Lab File: VX001459.D

Acq: 06 May 2018 21:57

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

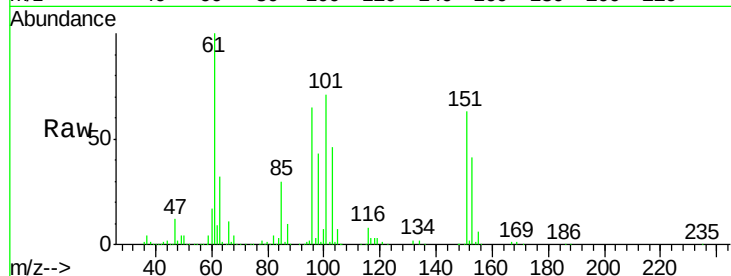
Tgt Ion:101 Resp: 154896

Ion Ratio Lower Upper

101 100

85 42.4 33.7 50.5

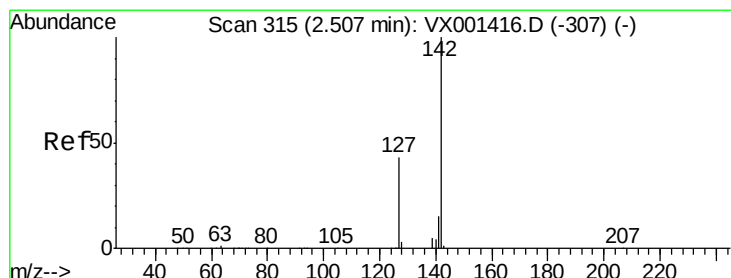
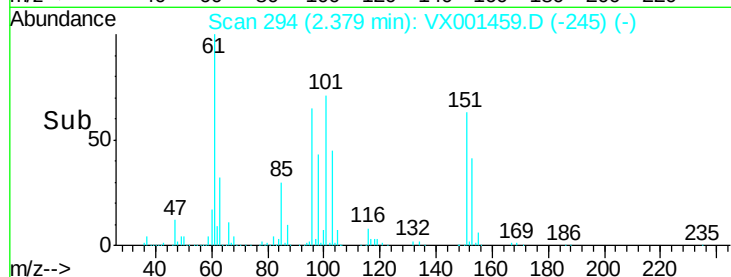
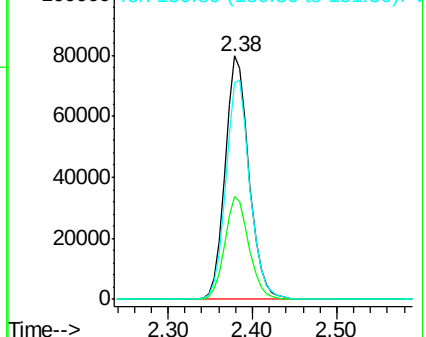
151 90.9 72.3 108.5



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: 54.82 ug/l

RT: 2.51 min Scan# 316

Delta R.T. 0.01 min

Lab File: VX001459.D

Acq: 06 May 2018 21:57

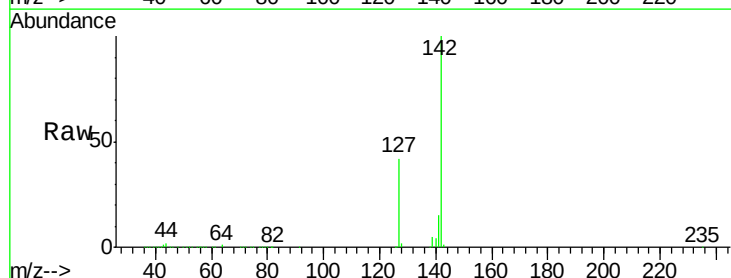
Tgt Ion:142 Resp: 250761

Ion Ratio Lower Upper

142 100

127 42.0 33.6 50.4

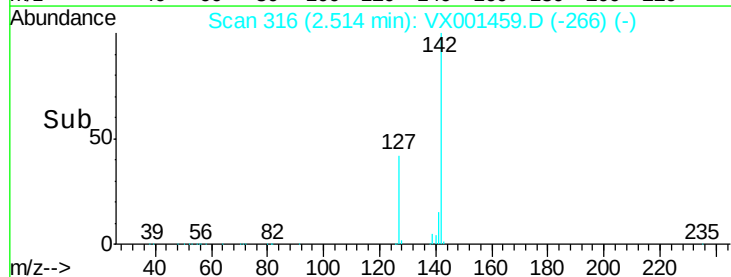
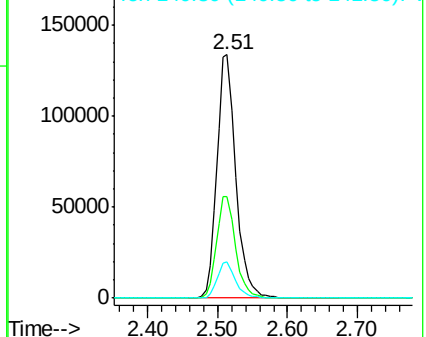
141 14.3 11.4 17.2

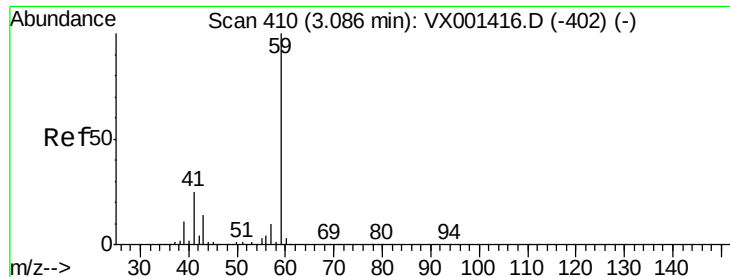


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

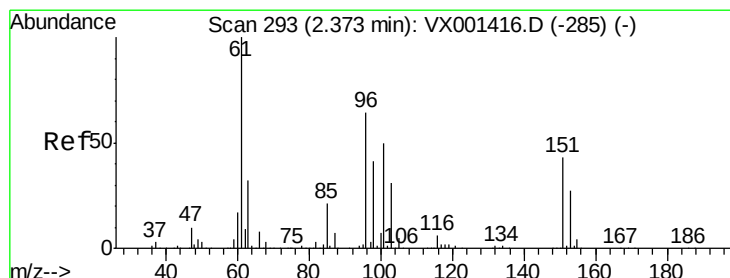
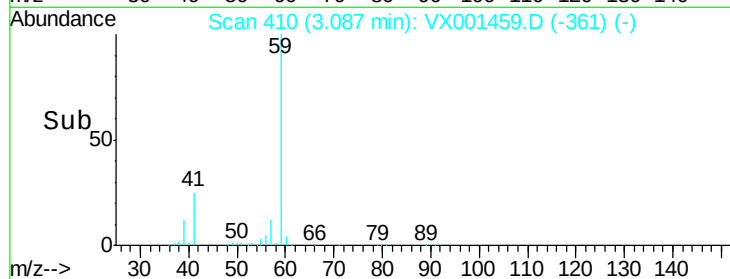
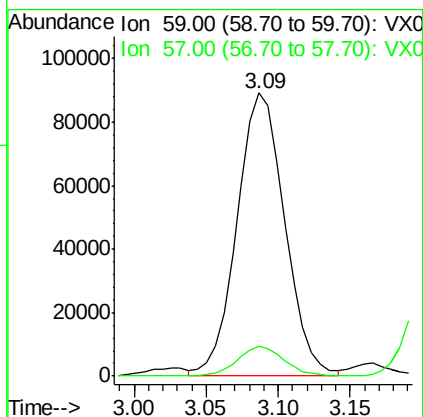
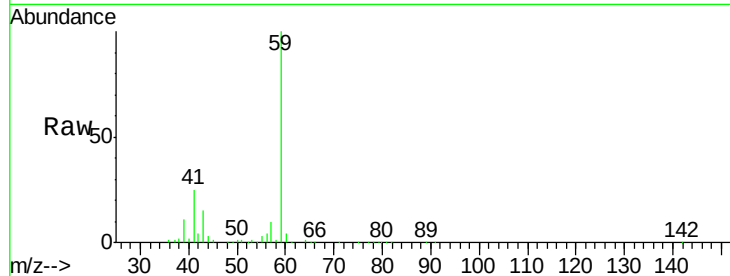




#11
Tert butyl alcohol
Concen: 258.13 ug/l
RT: 3.09 min Scan# 410
Delta R.T. 0.00 min
Lab File: VX001459.D
Acq: 06 May 2018 21:57

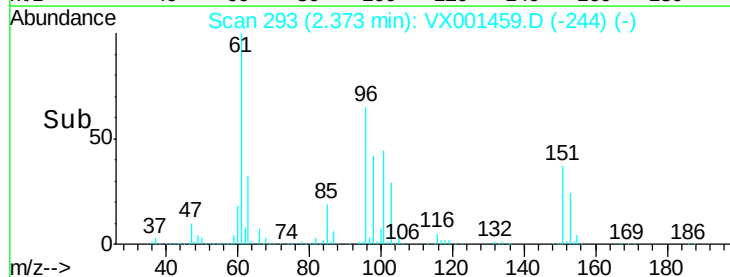
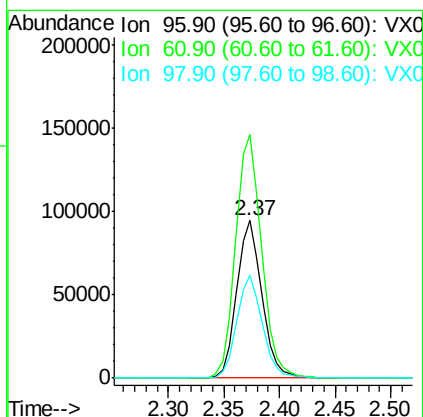
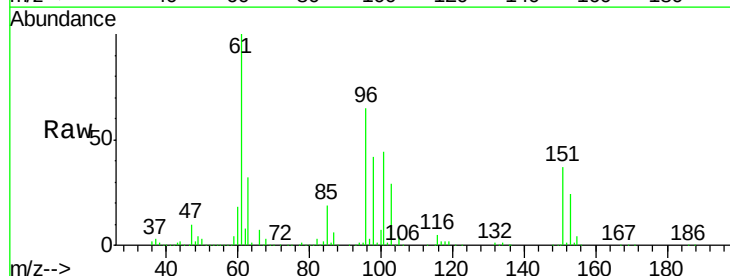
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

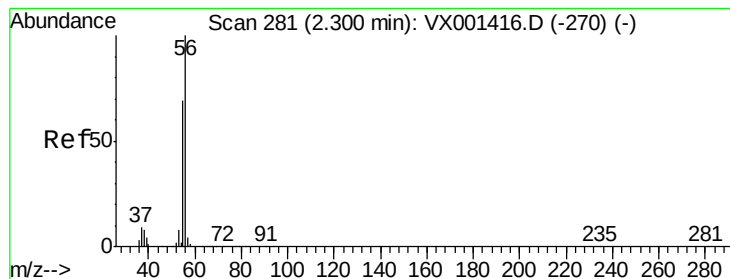
Tgt Ion: 59 Resp: 205396
Ion Ratio Lower Upper
59 100
57 10.1 8.2 12.4



#12
1,1-Dichloroethene
Concen: 51.28 ug/l
RT: 2.37 min Scan# 293
Delta R.T. 0.00 min
Lab File: VX001459.D
Acq: 06 May 2018 21:57

Tgt Ion: 96 Resp: 148984
Ion Ratio Lower Upper
96 100
61 154.4 125.7 188.5
98 64.9 52.0 78.0





#13

Acrolein

Concen: 265.83 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.00 min

Lab File: VX001459.D

Acq: 06 May 2018 21:57

Instrument :

MSVOA_X

ClientSampleId :

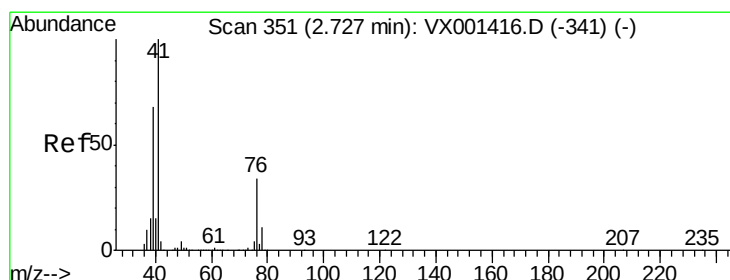
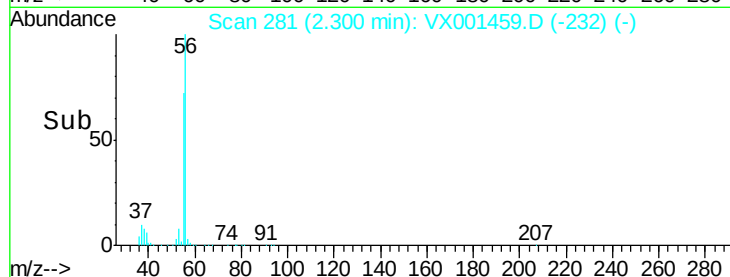
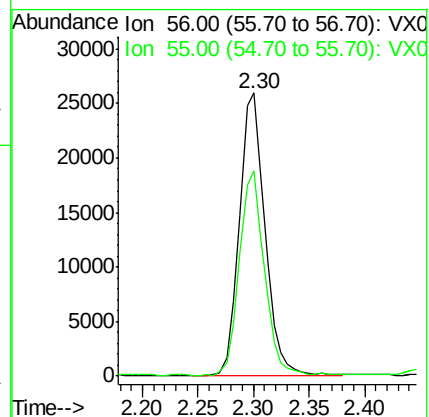
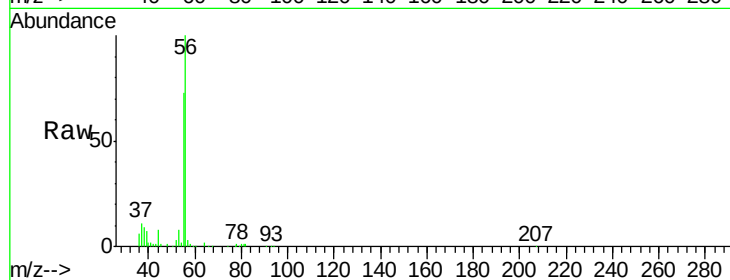
VSTDCCC050EC

Tgt Ion: 56 Resp: 41582

Ion Ratio Lower Upper

56 100

55 69.5 54.5 81.7



#14

Allyl chloride

Concen: 51.44 ug/l

RT: 2.73 min Scan# 351

Delta R.T. 0.00 min

Lab File: VX001459.D

Acq: 06 May 2018 21:57

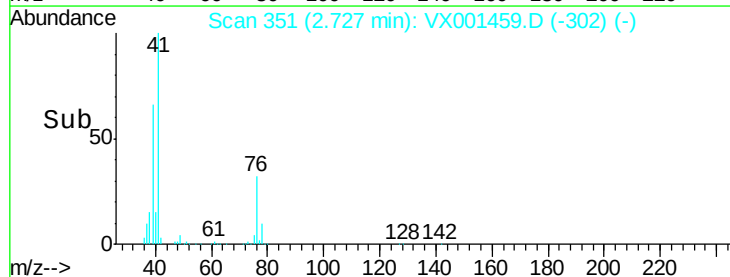
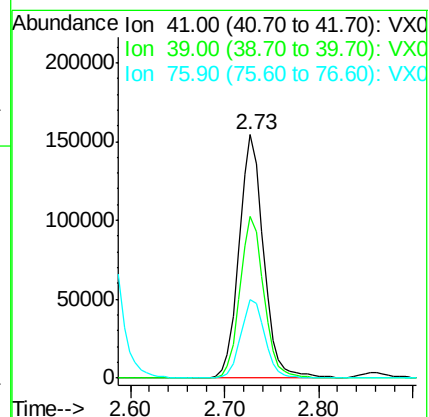
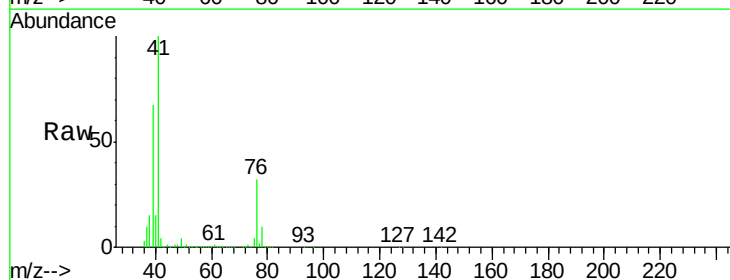
Tgt Ion: 41 Resp: 278673

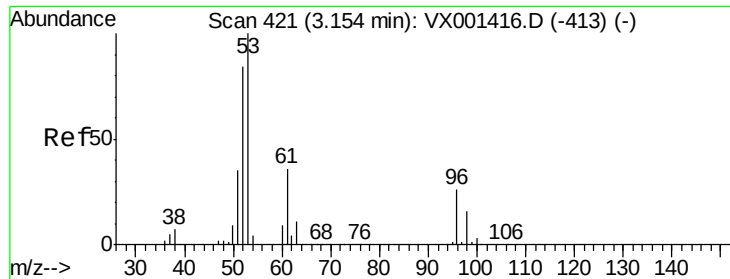
Ion Ratio Lower Upper

41 100

39 65.0 52.4 78.6

76 31.8 25.8 38.6





#15

Acrylonitrile

Concen: 252.39 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX001459.D

Acq: 06 May 2018 21:57

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

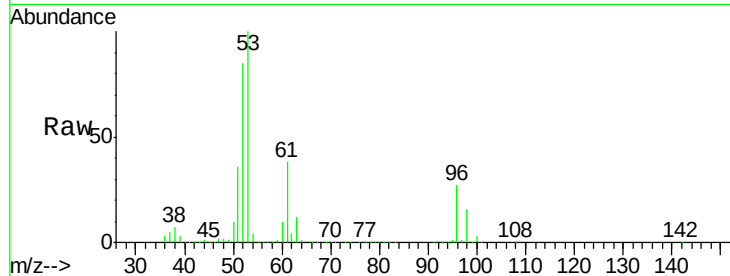
Tgt Ion: 53 Resp: 453819

Ion Ratio Lower Upper

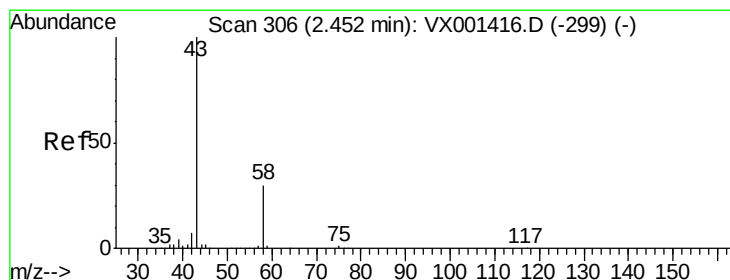
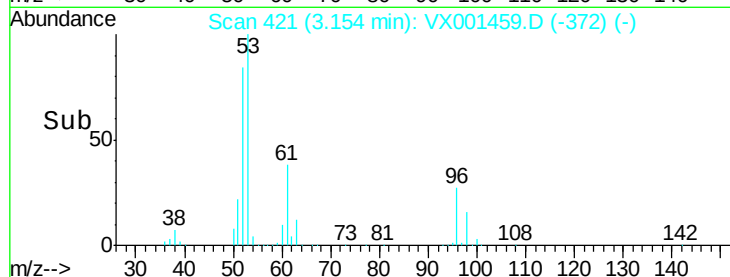
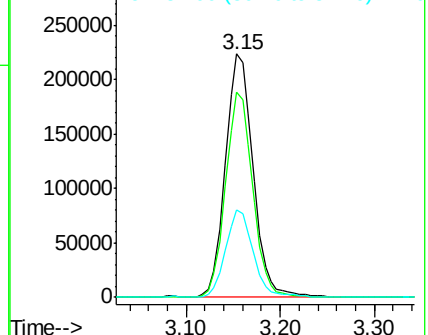
53 100

52 83.2 66.2 99.2

51 36.3 28.6 43.0



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



#16

Acetone

Concen: 235.94 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX001459.D

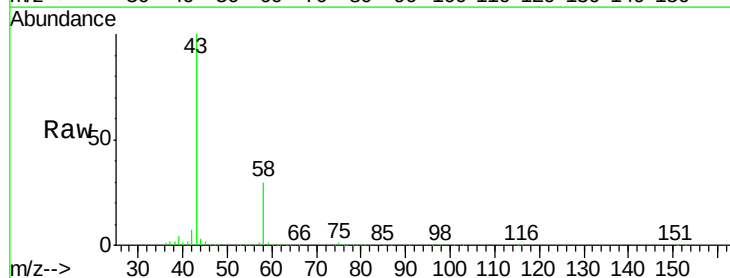
Acq: 06 May 2018 21:57

Tgt Ion: 43 Resp: 404344

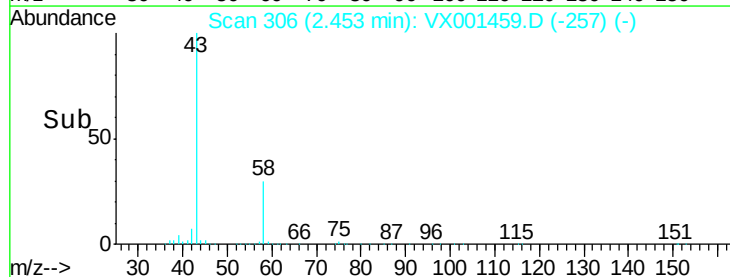
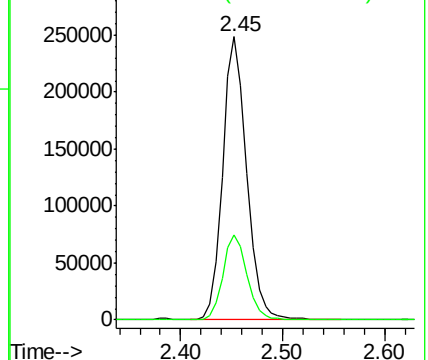
Ion Ratio Lower Upper

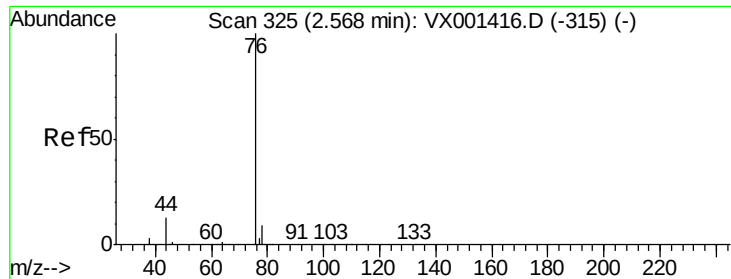
43 100

58 30.1 23.8 35.8



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





#17

Carbon Disulfide

Concen: 51.64 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.00 min

Lab File: VX001459.D

Acq: 06 May 2018 21:57

Instrument :

MSVOA_X

ClientSampleId :

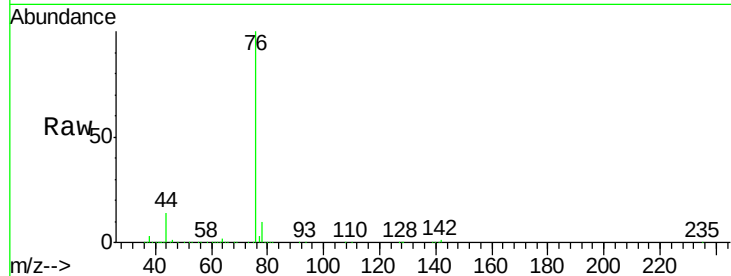
VSTDCCC050EC

Tgt Ion: 76 Resp: 381844

Ion Ratio Lower Upper

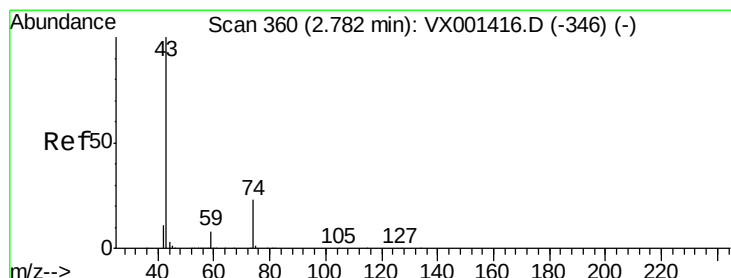
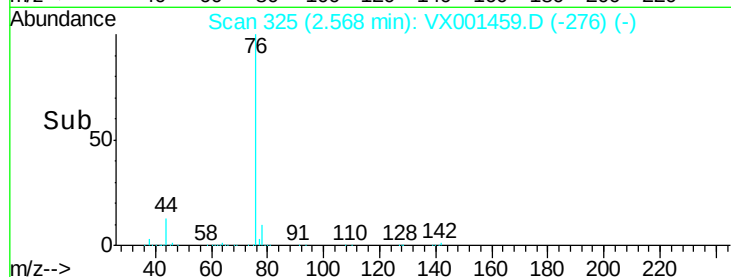
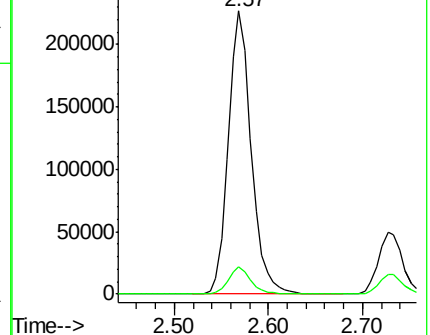
76 100

78 9.5 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 51.66 ug/l

RT: 2.78 min Scan# 360

Delta R.T. 0.00 min

Lab File: VX001459.D

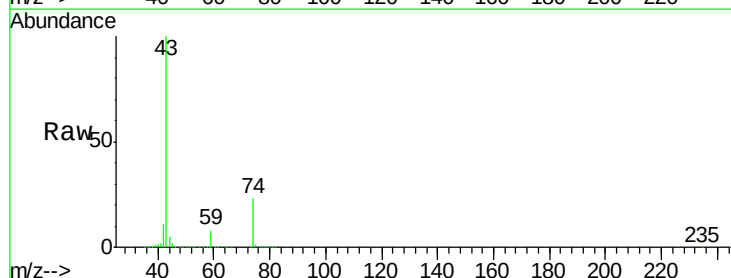
Acq: 06 May 2018 21:57

Tgt Ion: 43 Resp: 232613

Ion Ratio Lower Upper

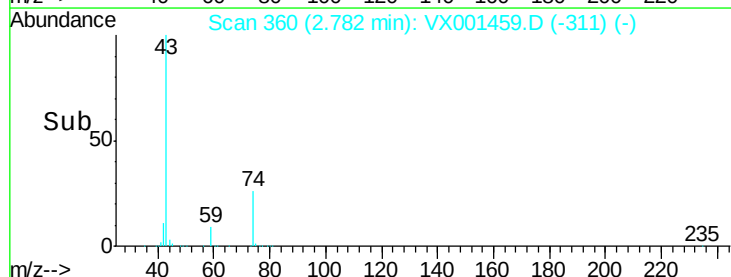
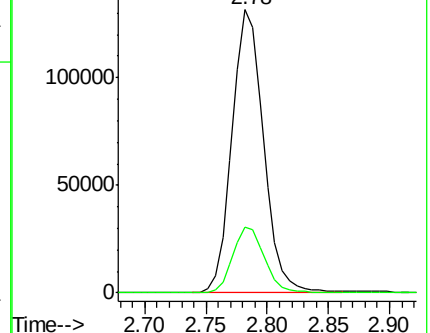
43 100

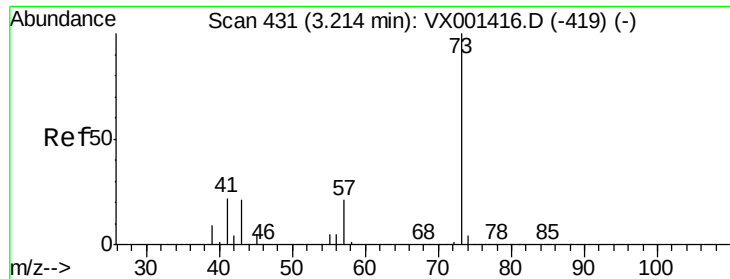
74 23.1 18.6 27.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

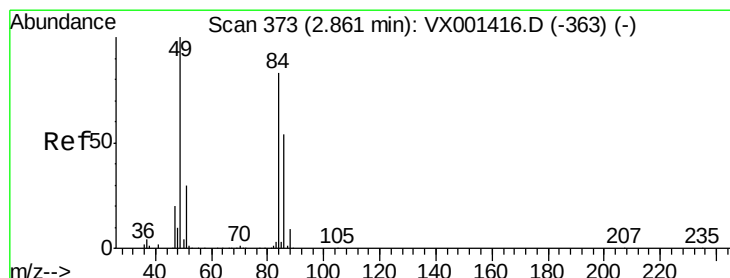
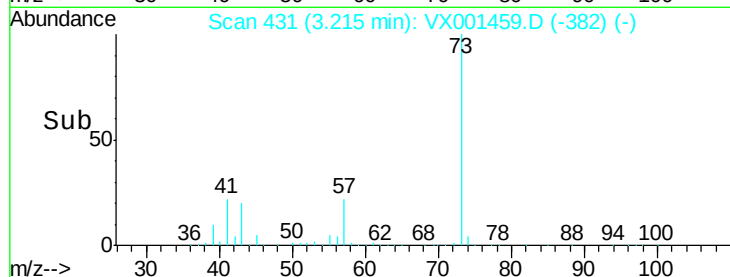
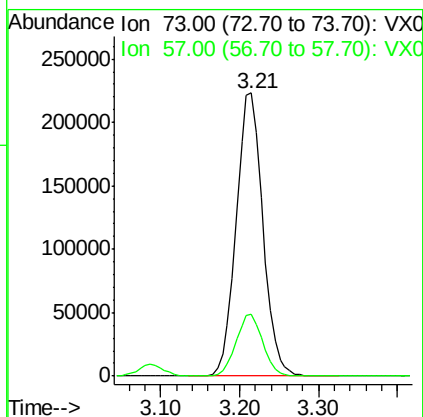
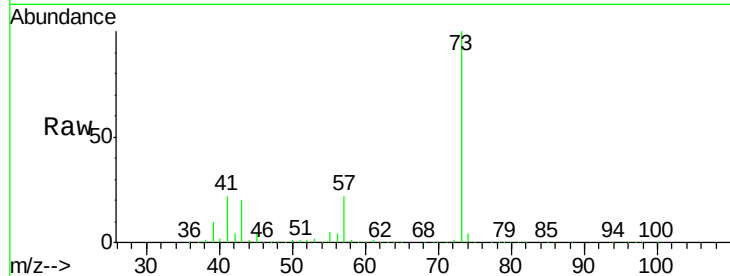




#19
Methyl tert-butyl Ether
Concen: 51.95 ug/l
RT: 3.21 min Scan# 431
Delta R.T. 0.00 min
Lab File: VX001459.D
Acq: 06 May 2018 21:57

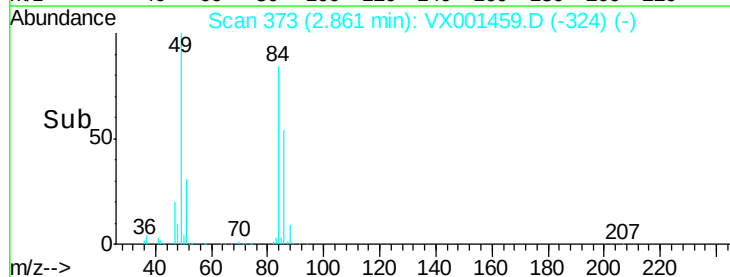
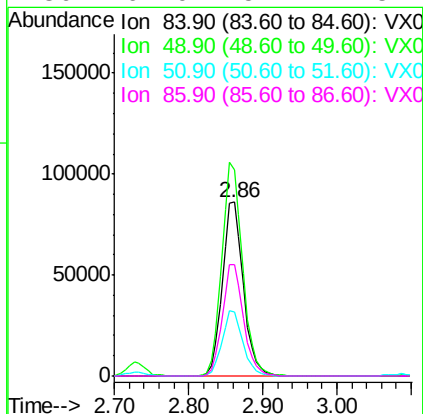
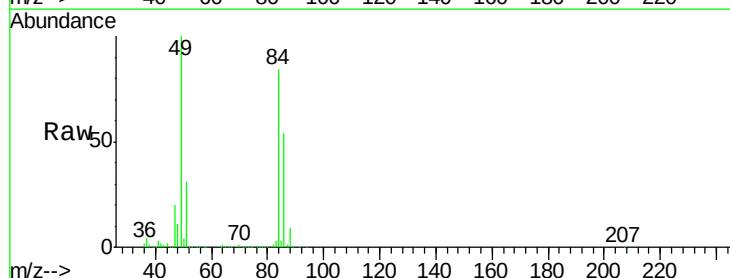
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

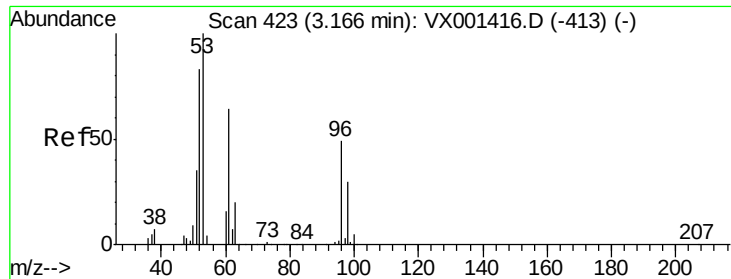
Tgt Ion: 73 Resp: 525560
Ion Ratio Lower Upper
73 100
57 21.7 17.0 25.6



#20
Methylene Chloride
Concen: 49.82 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX001459.D
Acq: 06 May 2018 21:57

Tgt Ion: 84 Resp: 169053
Ion Ratio Lower Upper
84 100
49 118.3 96.6 144.8
51 37.0 29.0 43.4
86 64.0 52.2 78.4





#21

trans-1,2-Dichloroethene

Concen: 50.35 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.00 min

Lab File: VX001459.D

Acq: 06 May 2018 21:57

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

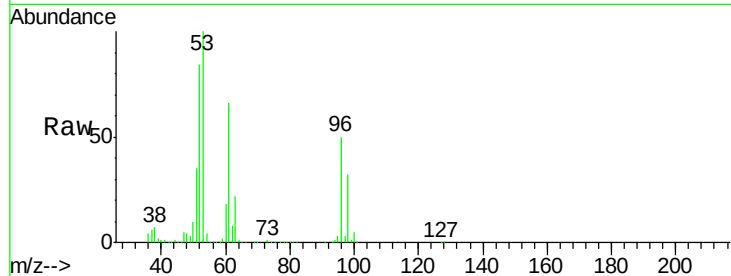
Tgt Ion: 96 Resp: 163272

Ion Ratio Lower Upper

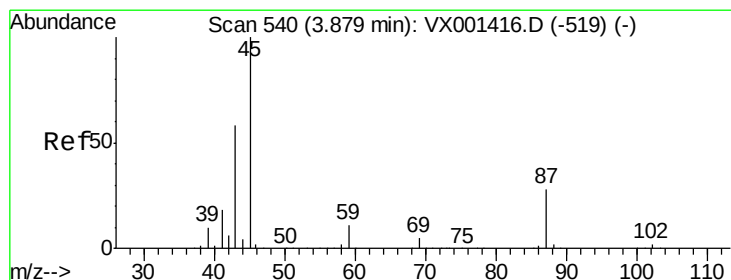
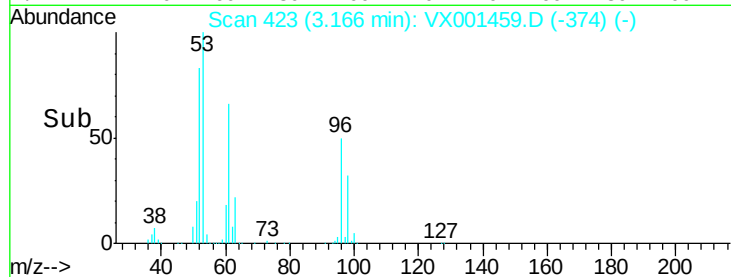
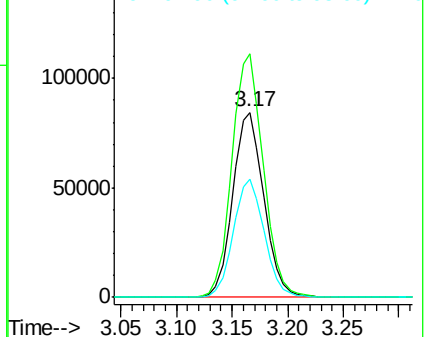
96 100

61 131.3 105.0 157.4

98 63.6 49.9 74.9



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: 52.03 ug/l

RT: 3.88 min Scan# 540

Delta R.T. 0.00 min

Lab File: VX001459.D

Acq: 06 May 2018 21:57

Tgt Ion: 45 Resp: 526611

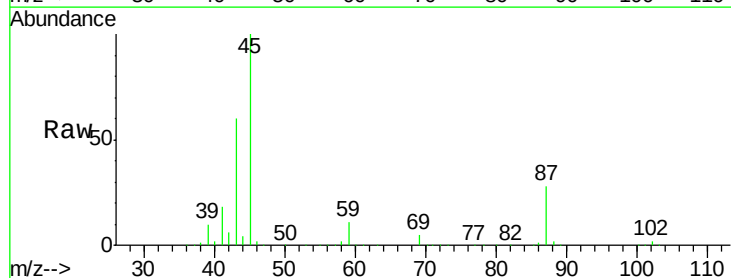
Ion Ratio Lower Upper

45 100

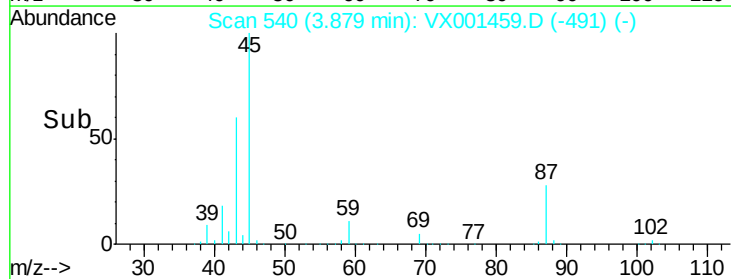
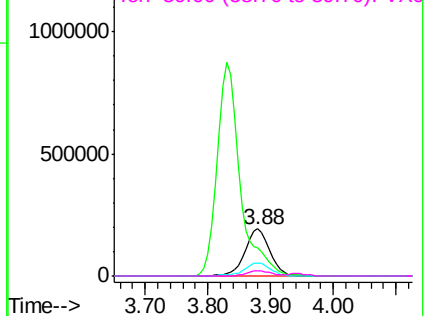
43 59.8 46.5 69.7

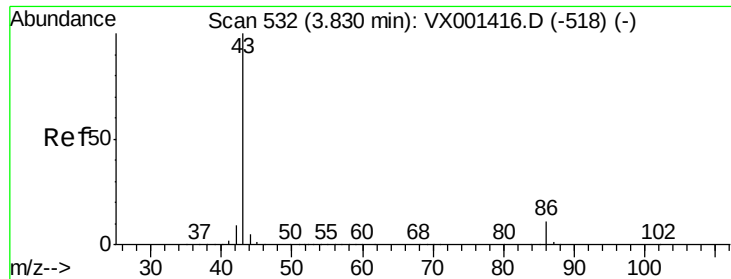
87 27.9 22.6 34.0

59 11.4 9.1 13.7



Abundance Ion 45.00 (44.70 to 45.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 87.00 (86.70 to 87.70): VX0
Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 264.56 ug/l

RT: 3.83 min Scan# 532

Delta R.T. 0.00 min

Lab File: VX001459.D

Acq: 06 May 2018 21:57

Instrument :

MSVOA_X

ClientSampleId :

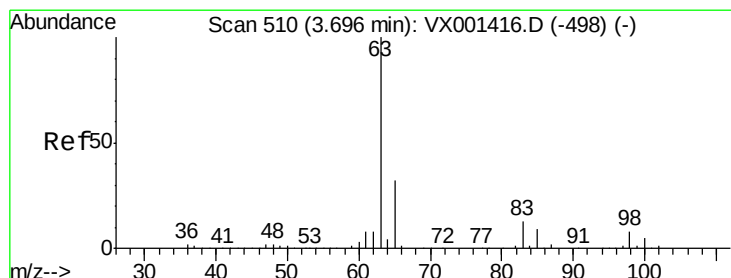
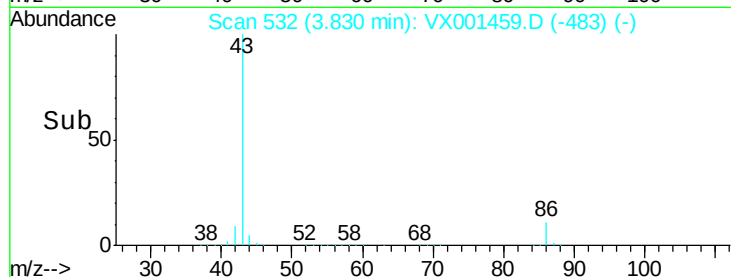
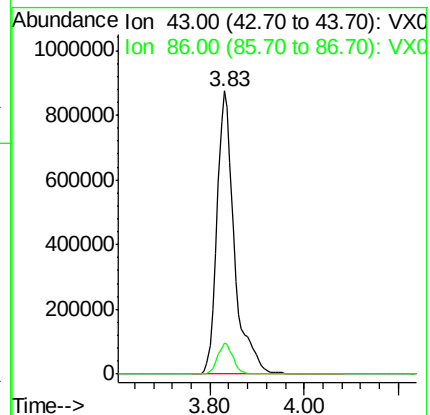
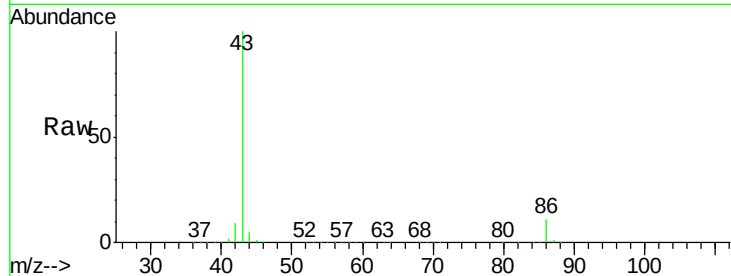
VSTDCCC050EC

Tgt Ion: 43 Resp: 2231715

Ion Ratio Lower Upper

43 100

86 10.9 8.6 13.0



#24

1,1-Dichloroethane

Concen: 48.79 ug/l

RT: 3.70 min Scan# 510

Delta R.T. 0.00 min

Lab File: VX001459.D

Acq: 06 May 2018 21:57

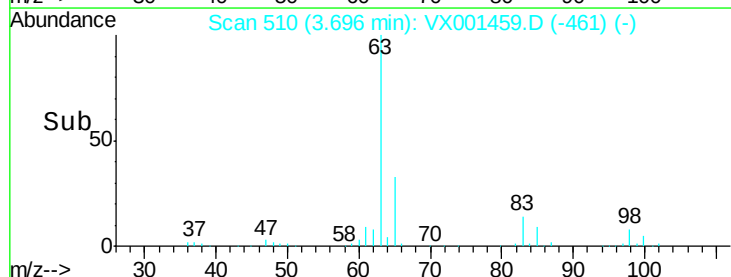
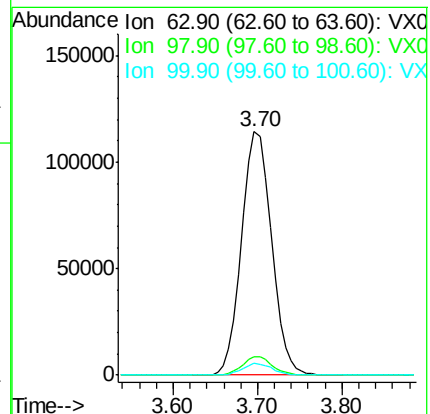
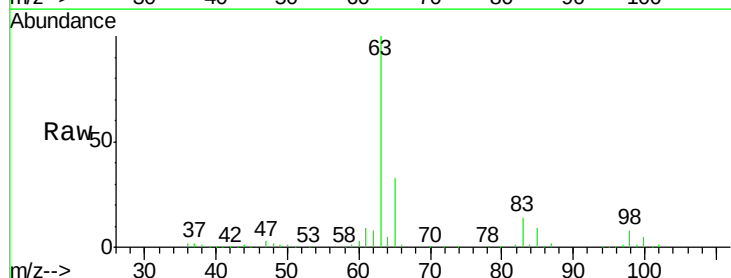
Tgt Ion: 63 Resp: 275838

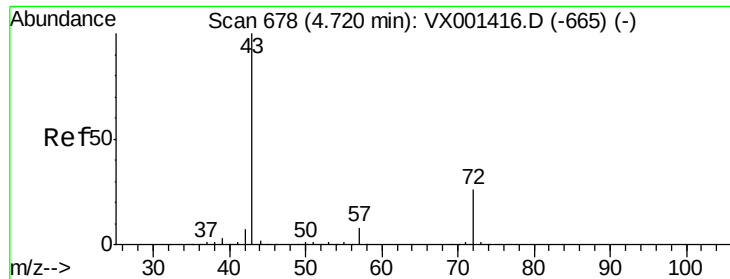
Ion Ratio Lower Upper

63 100

98 7.6 3.8 11.4

100 4.7 2.4 7.1





#25

2-Butanone

Concen: 252.35 ug/l

RT: 4.71 min Scan# 677

Delta R.T. -0.01 min

Lab File: VX001459.D

Acq: 06 May 2018 21:57

Instrument :

MSVOA_X

ClientSampleId :

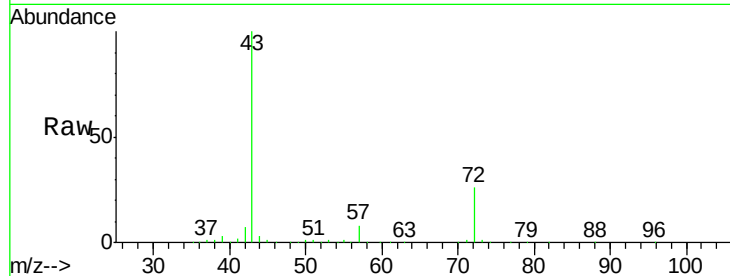
VSTDCCC050EC

Tgt Ion: 43 Resp: 625127

Ion Ratio Lower Upper

43 100

72 26.0 20.7 31.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

250000

200000

150000

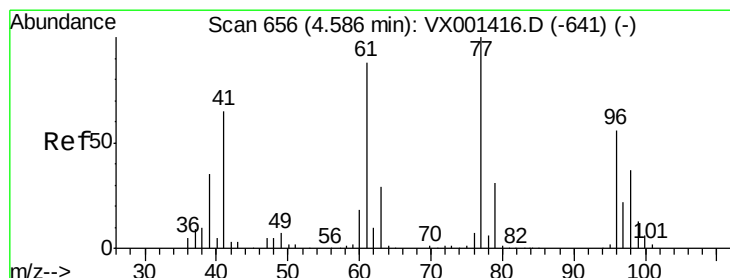
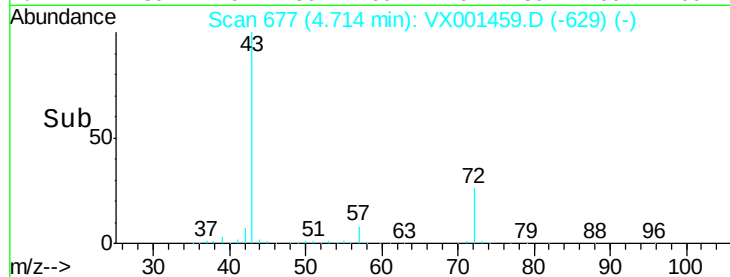
100000

50000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 44.22 ug/l

RT: 4.59 min Scan# 657

Delta R.T. 0.01 min

Lab File: VX001459.D

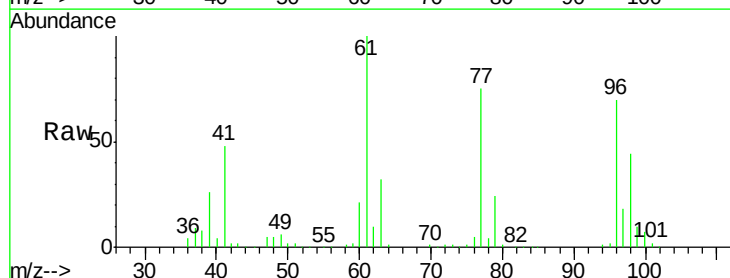
Acq: 06 May 2018 21:57

Tgt Ion: 77 Resp: 193068

Ion Ratio Lower Upper

77 100

97 23.1 11.2 33.6



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

60000

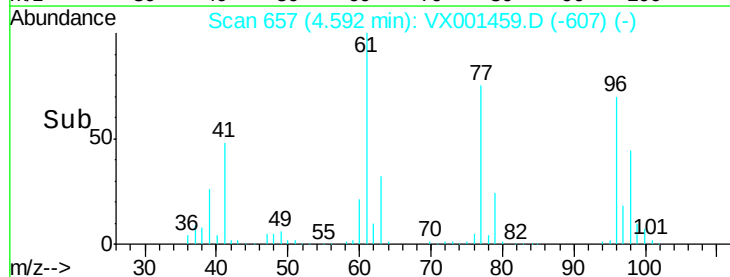
40000

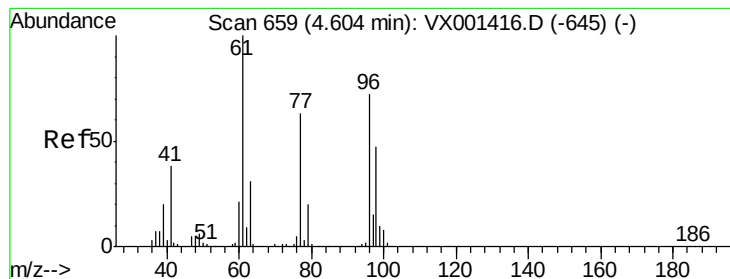
20000

0

4.40 4.50 4.60 4.70

Time-->





#27

cis-1,2-Dichloroethene

Concen: 52.07 ug/l

RT: 4.60 min Scan# 659

Delta R.T. 0.00 min

Lab File: VX001459.D

Acq: 06 May 2018 21:57

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

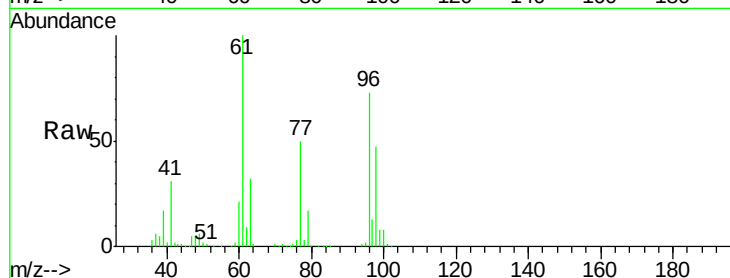
Tgt Ion: 96 Resp: 179815

Ion Ratio Lower Upper

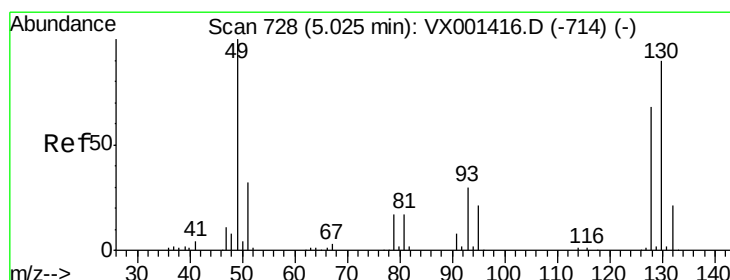
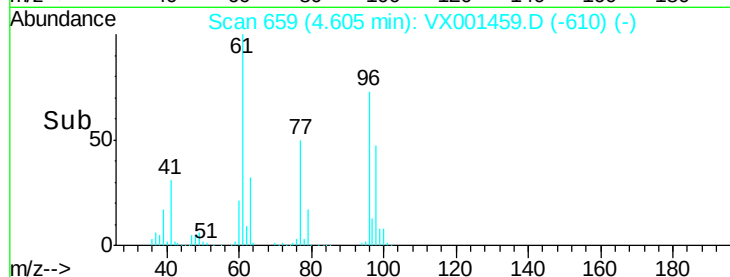
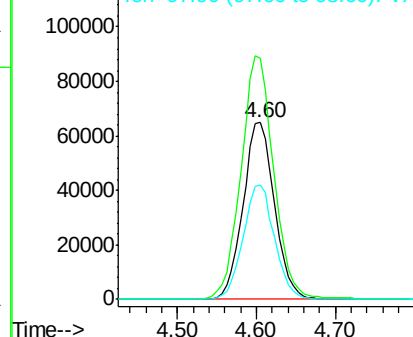
96 100

61 143.5 0.0 301.6

98 64.6 0.0 131.6



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: 51.00 ug/l

RT: 5.03 min Scan# 728

Delta R.T. 0.00 min

Lab File: VX001459.D

Acq: 06 May 2018 21:57

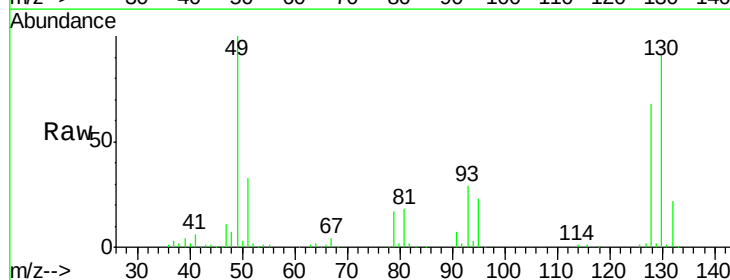
Tgt Ion: 49 Resp: 125014

Ion Ratio Lower Upper

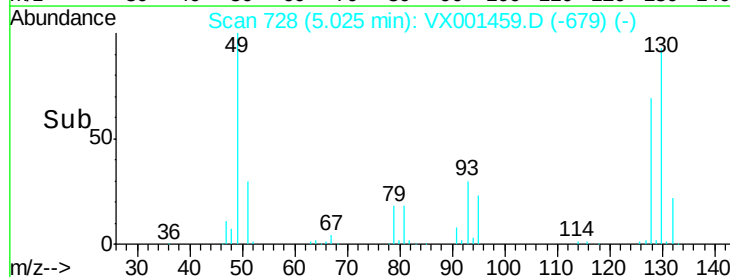
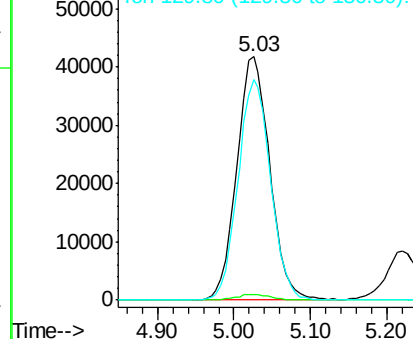
49 100

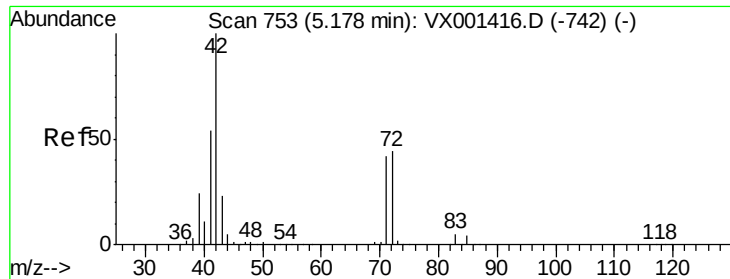
129 2.4 0.0 4.8

130 89.3 71.9 107.9



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

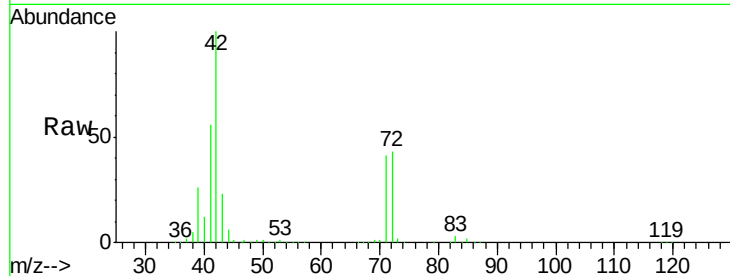




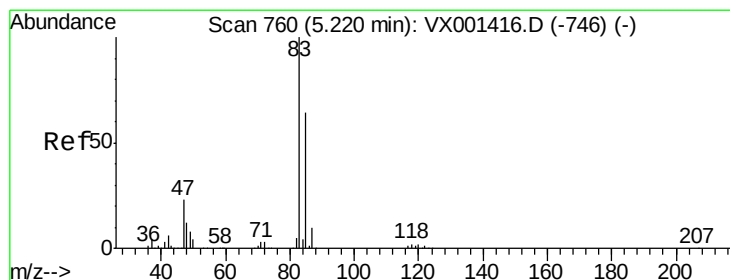
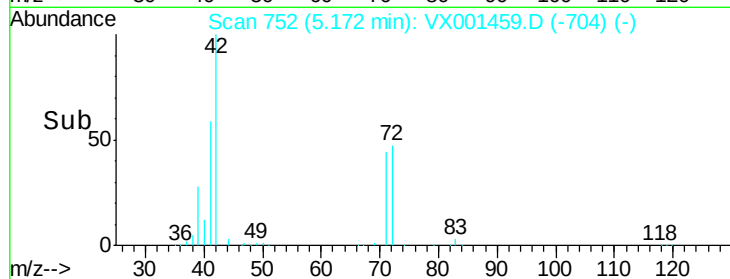
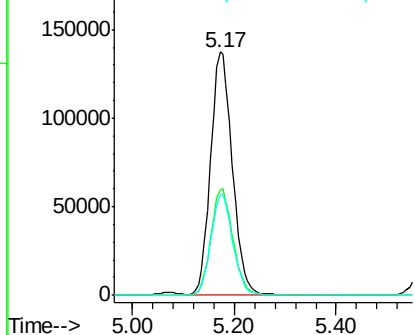
#29
Tetrahydrofuran
Concen: 256.88 ug/l
RT: 5.17 min Scan# 752
Delta R.T. -0.01 min
Lab File: VX001459.D
Acq: 06 May 2018 21:57

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 42 Resp: 407149
Ion Ratio Lower Upper
42 100
72 44.3 35.4 53.2
71 41.5 33.0 49.4

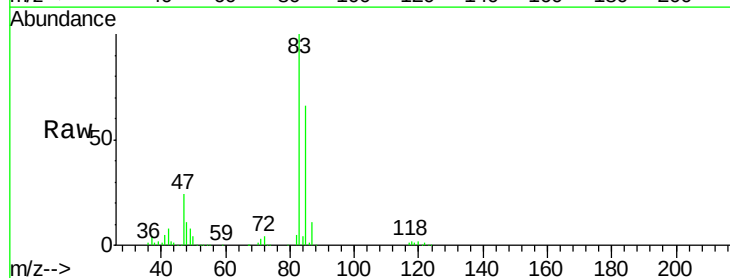


Abundance Ion 42.00 (41.70 to 42.70): VX0
Ion 72.00 (71.70 to 72.70): VX0
Ion 71.00 (70.70 to 71.70): VX0

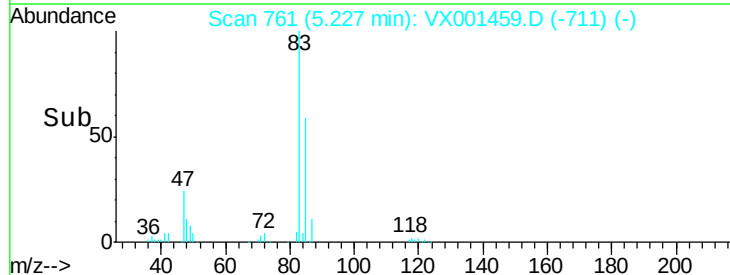
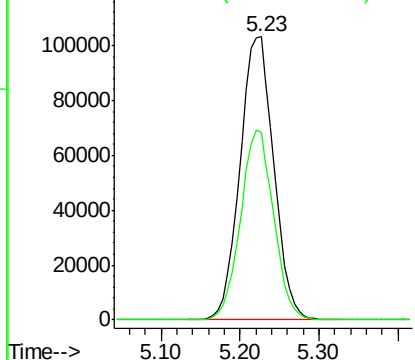


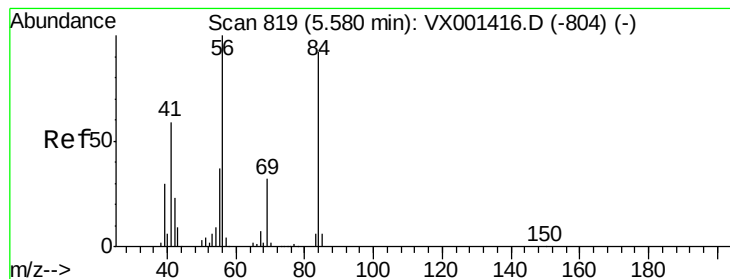
#30
Chloroform
Concen: 52.84 ug/l
RT: 5.23 min Scan# 761
Delta R.T. 0.01 min
Lab File: VX001459.D
Acq: 06 May 2018 21:57

Tgt Ion: 83 Resp: 307786
Ion Ratio Lower Upper
83 100
85 66.0 51.0 76.4



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0





#31

Cyclohexane

Concen: 51.67 ug/l

RT: 5.58 min Scan# 819

Delta R.T. 0.00 min

Lab File: VX001459.D

Acq: 06 May 2018 21:57

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

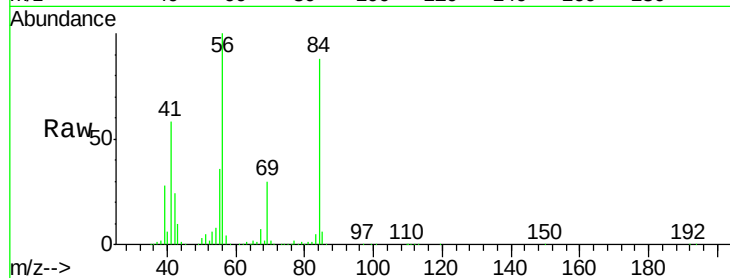
Tgt Ion: 56 Resp: 250905

Ion Ratio Lower Upper

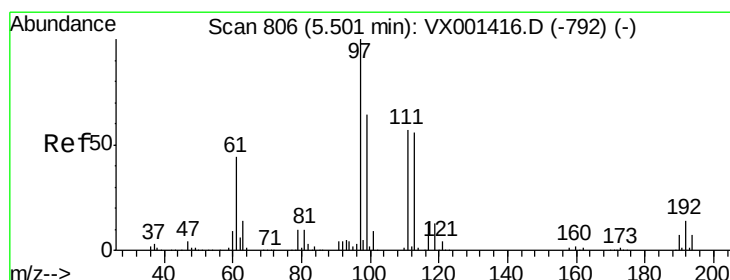
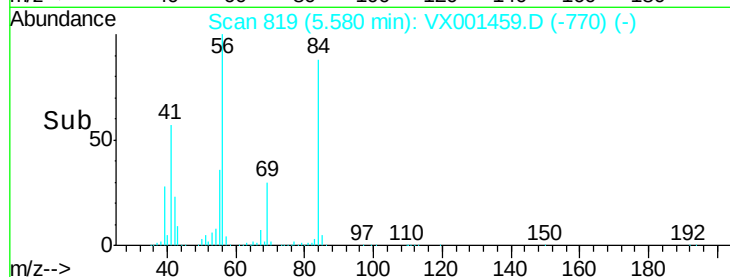
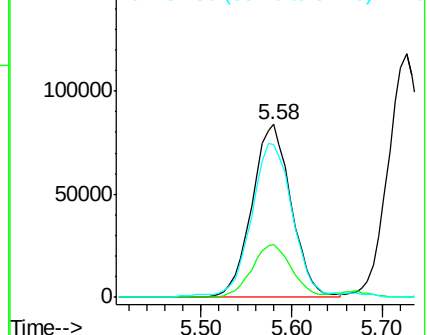
56 100

69 30.4 25.4 38.0

84 87.2 73.8 110.8



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



#32

1,1,1-Trichloroethane

Concen: 54.53 ug/l

RT: 5.50 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX001459.D

Acq: 06 May 2018 21:57

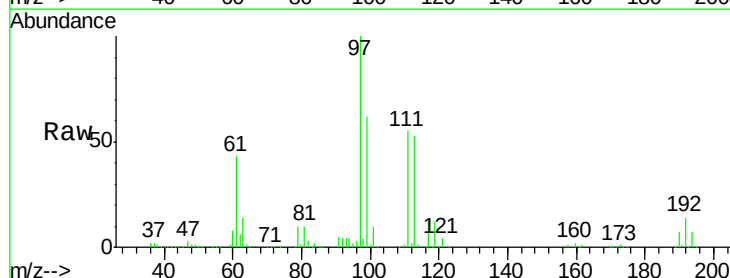
Tgt Ion: 97 Resp: 277584

Ion Ratio Lower Upper

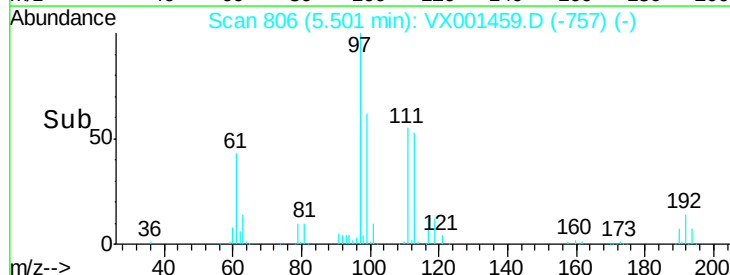
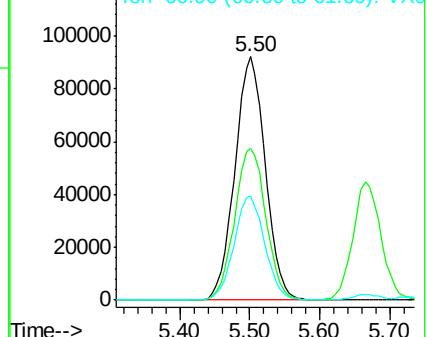
97 100

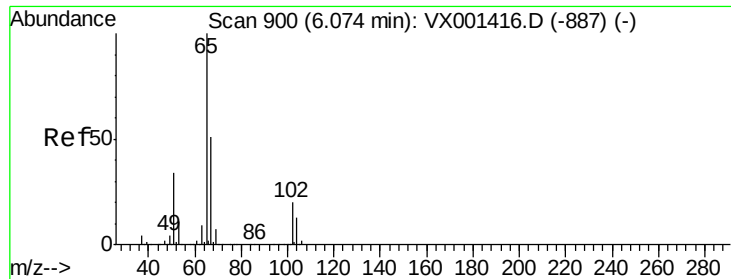
99 64.1 51.3 76.9

61 43.2 34.8 52.2



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

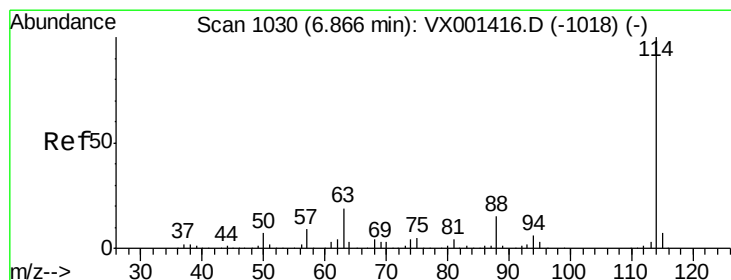
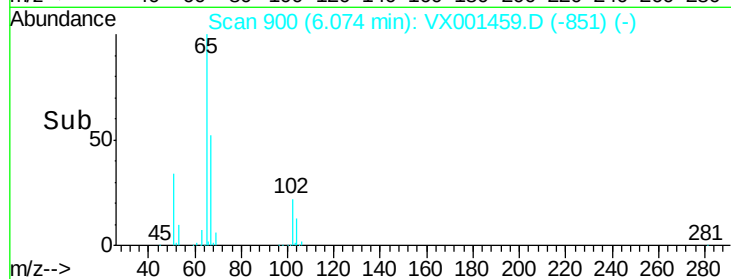
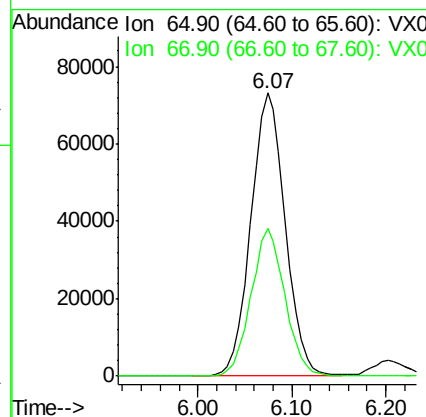
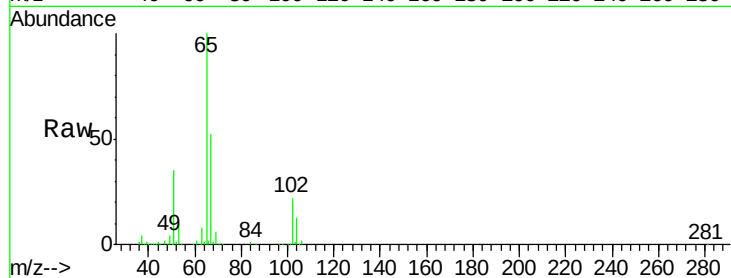




#33
 1,2-Dichloroethane-d4
 Concen: 49.64 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX001459.D
 Acq: 06 May 2018 21:57

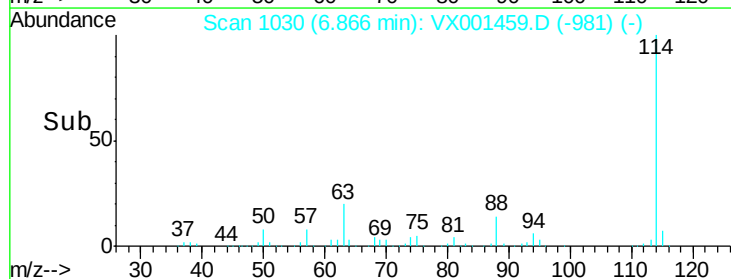
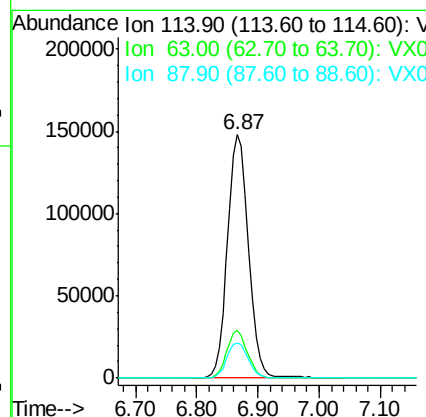
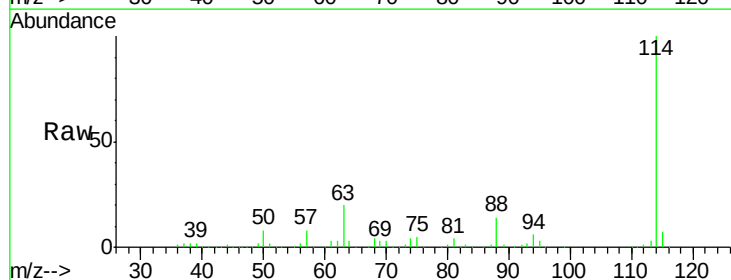
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

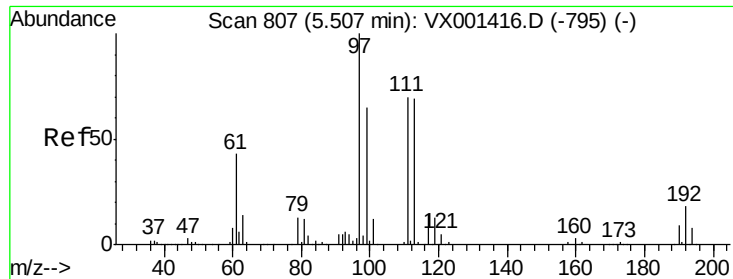
Tgt Ion: 65 Resp: 187350
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX001459.D
 Acq: 06 May 2018 21:57

Tgt Ion: 114 Resp: 350247
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 38.6
 88 14.5 0.0 30.8

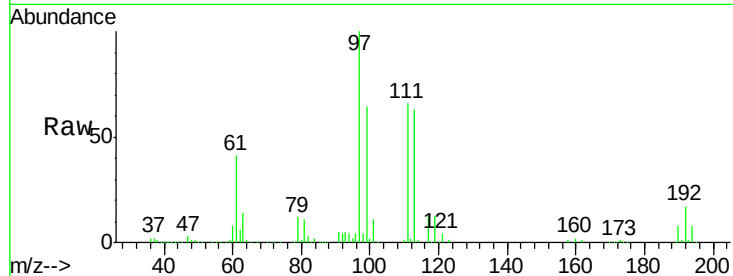




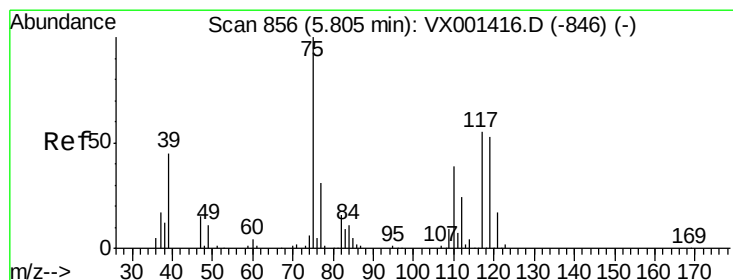
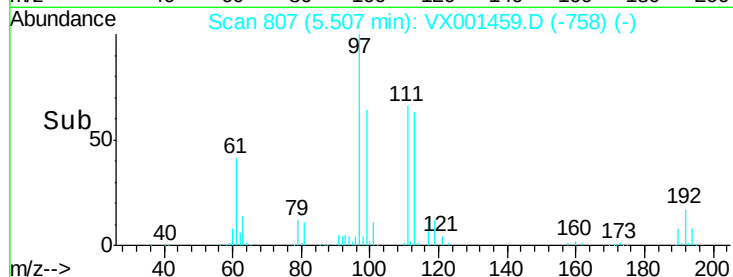
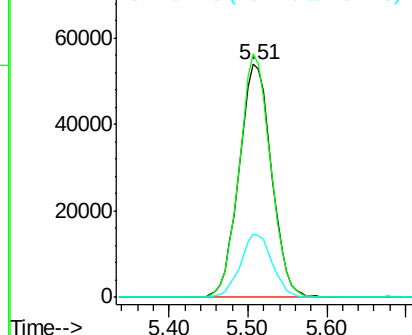
#35
 Dibromofluoromethane
 Concen: 49.55 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. 0.00 min
 Lab File: VX001459.D
 Acq: 06 May 2018 21:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion:113 Resp: 154375
 Ion Ratio Lower Upper
 113 100
 111 101.0 82.2 123.2
 192 26.8 21.4 32.0

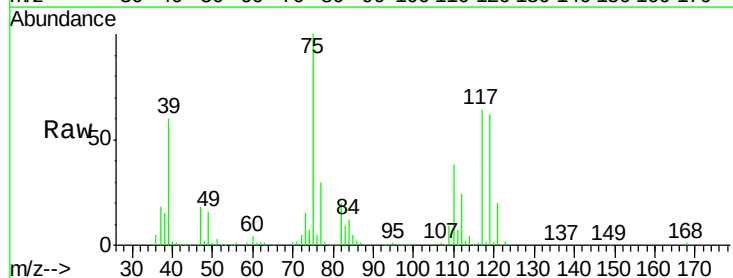


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

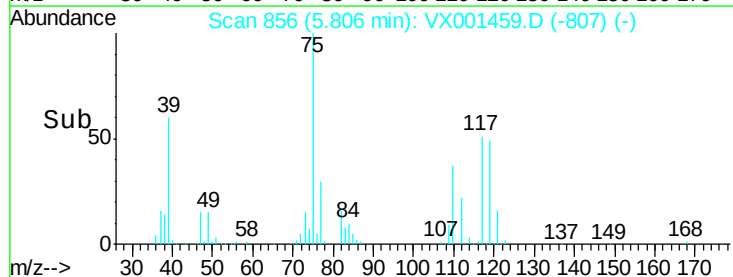
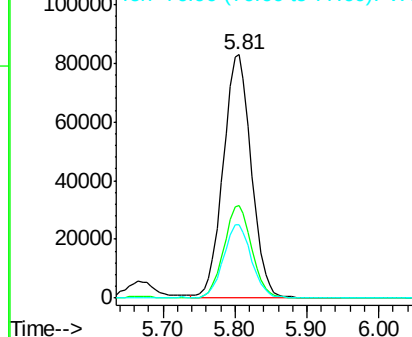


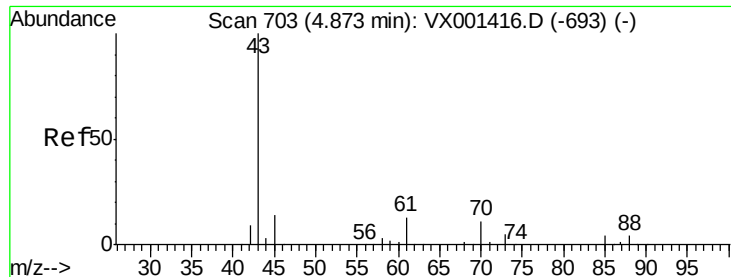
#36
 1,1-Dichloropropene
 Concen: 50.31 ug/l
 RT: 5.81 min Scan# 856
 Delta R.T. 0.00 min
 Lab File: VX001459.D
 Acq: 06 May 2018 21:57

Tgt Ion: 75 Resp: 224159
 Ion Ratio Lower Upper
 75 100
 110 37.8 18.9 56.7
 77 30.3 24.9 37.3



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

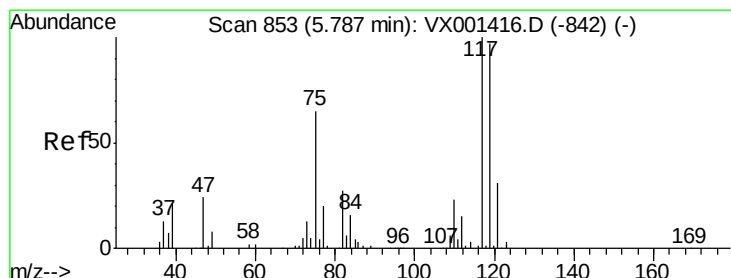
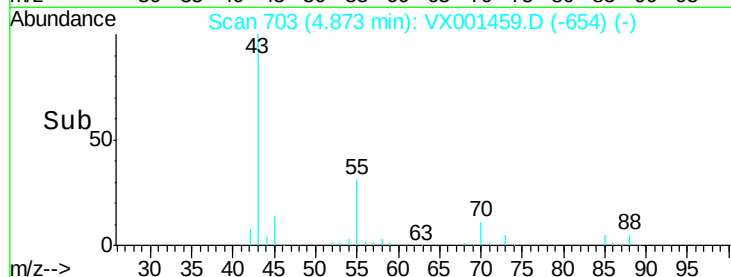
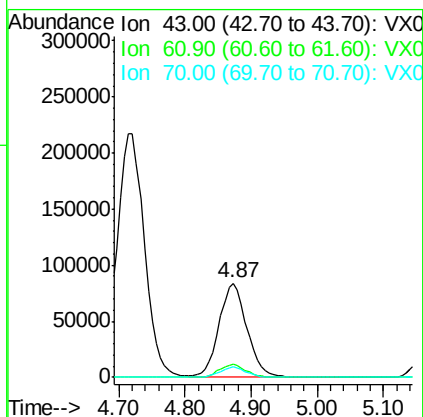
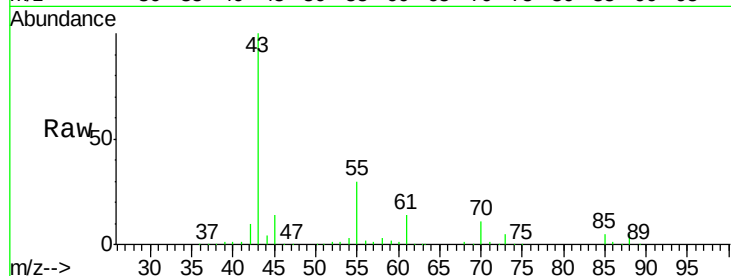




#37
Ethyl Acetate
Concen: 49.84 ug/l
RT: 4.87 min Scan# 703
Delta R.T. 0.00 min
Lab File: VX001459.D
Acq: 06 May 2018 21:57

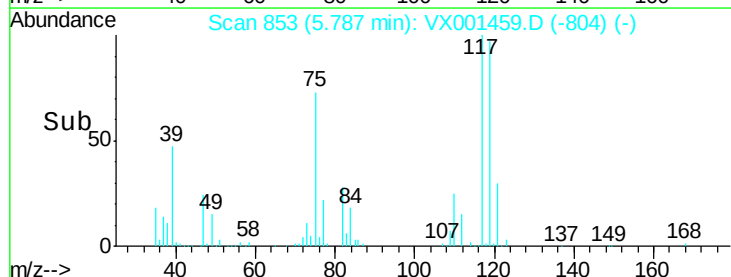
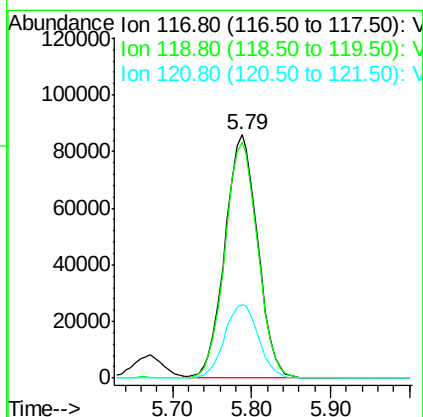
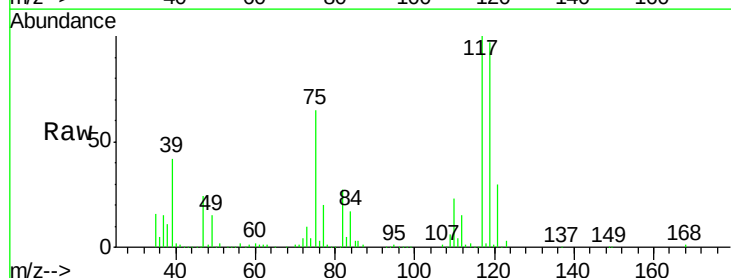
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

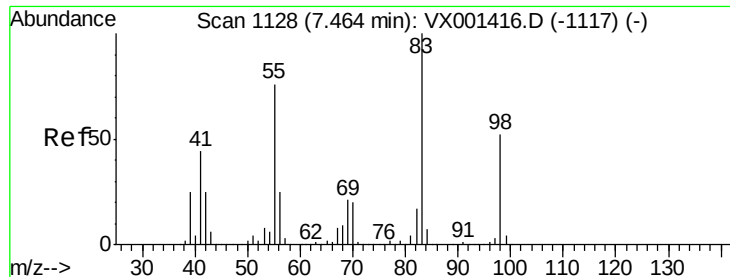
Tgt Ion: 43 Resp: 243431
Ion Ratio Lower Upper
43 100
61 13.3 10.7 16.1
70 10.4 8.4 12.6



#38
Carbon Tetrachloride
Concen: 52.22 ug/l
RT: 5.79 min Scan# 853
Delta R.T. 0.00 min
Lab File: VX001459.D
Acq: 06 May 2018 21:57

Tgt Ion: 117 Resp: 248150
Ion Ratio Lower Upper
117 100
119 97.0 77.0 115.6
121 30.3 25.1 37.7

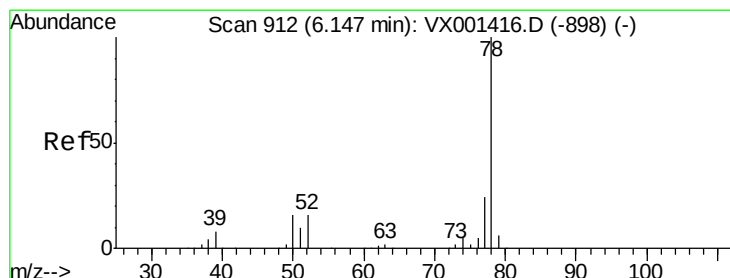
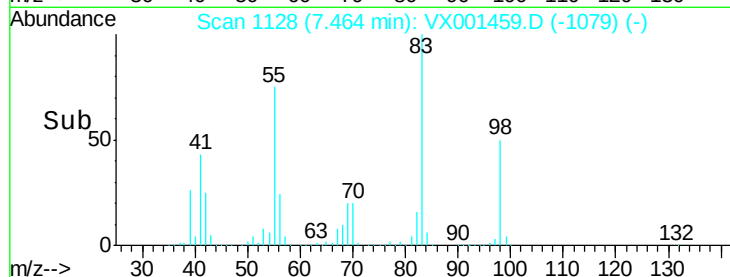
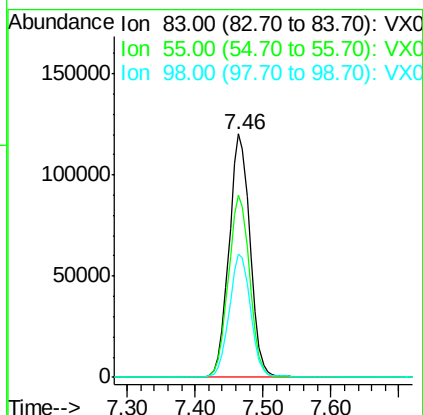
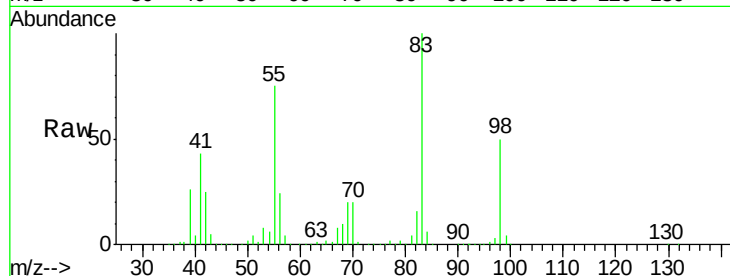




#39
Methylcyclohexane
Concen: 49.06 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX001459.D
Acq: 06 May 2018 21:57

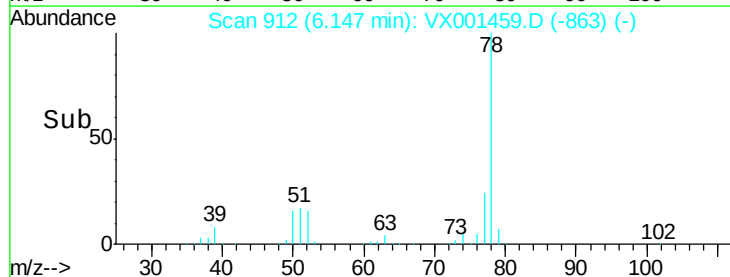
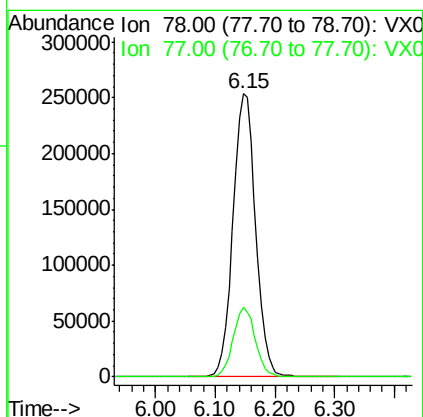
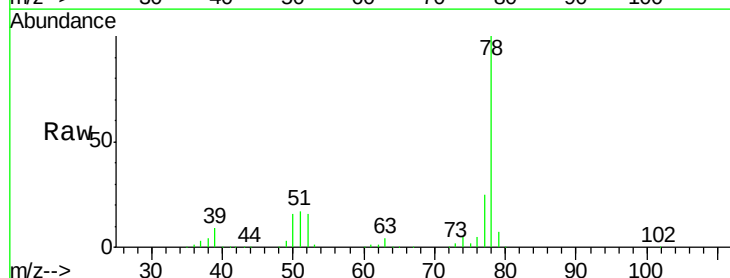
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

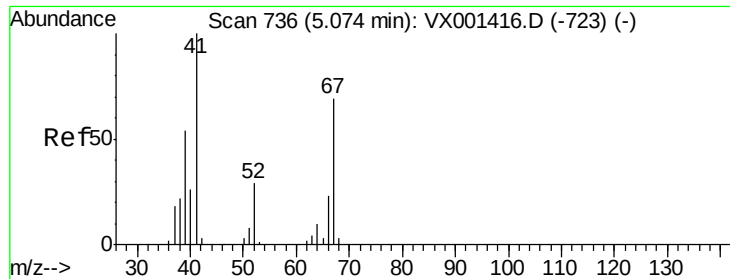
Tgt Ion: 83 Resp: 258406
Ion Ratio Lower Upper
83 100
55 74.7 60.9 91.3
98 50.4 41.9 62.9



#40
Benzene
Concen: 51.38 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.00 min
Lab File: VX001459.D
Acq: 06 May 2018 21:57

Tgt Ion: 78 Resp: 668585
Ion Ratio Lower Upper
78 100
77 24.7 19.4 29.2

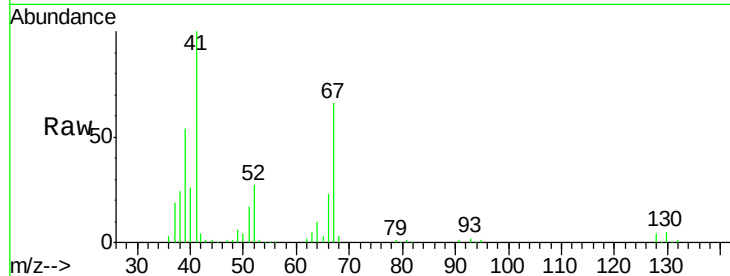




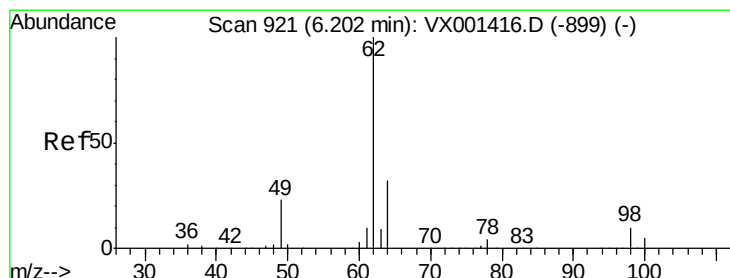
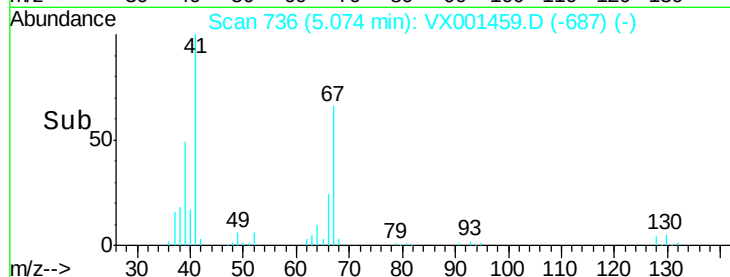
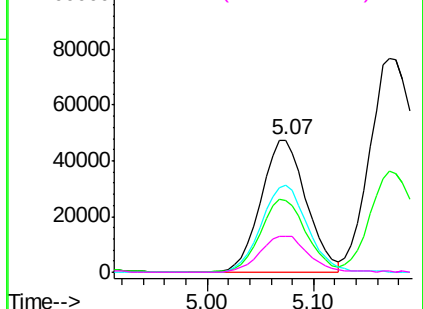
#41
Methacrylonitrile
Concen: 50.27 ug/l
RT: 5.07 min Scan# 736
Delta R.T. 0.00 min
Lab File: VX001459.D
Acq: 06 May 2018 21:57

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:	41	Resp:	140465
Ion	Ratio	Lower	Upper
41	100		
39	55.6	45.0	67.6
67	67.6	55.0	82.6
52	29.3	23.4	35.0

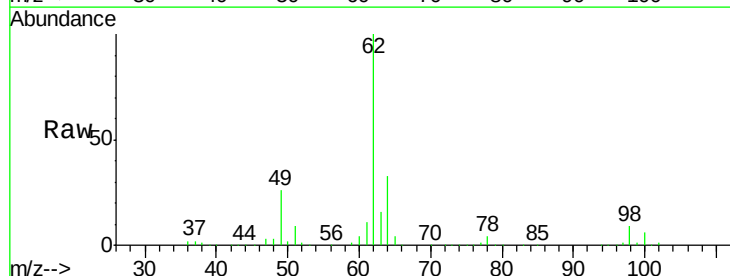


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

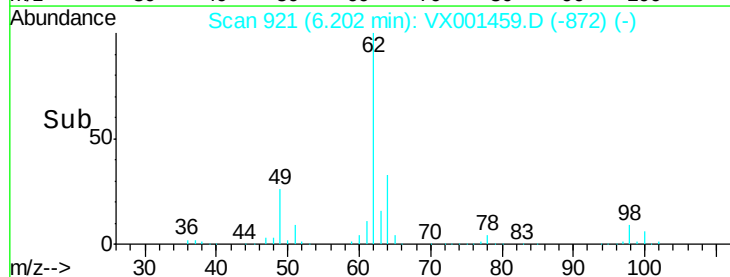
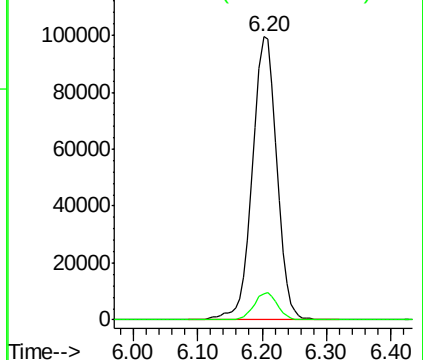


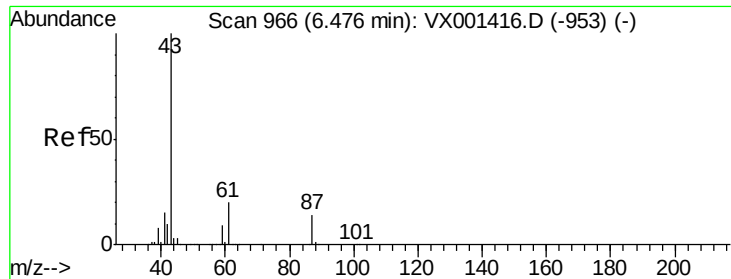
#42
1,2-Dichloroethane
Concen: 51.43 ug/l
RT: 6.20 min Scan# 921
Delta R.T. 0.00 min
Lab File: VX001459.D
Acq: 06 May 2018 21:57

Tgt Ion:	62	Resp:	257220
Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	19.0



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



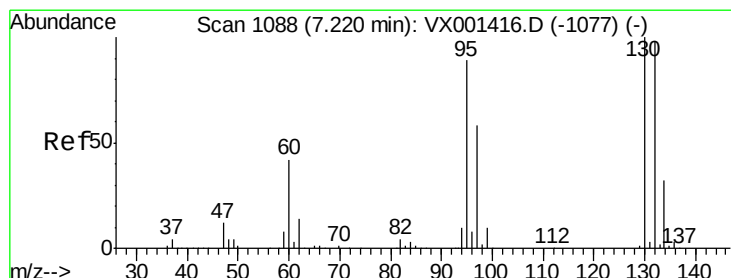
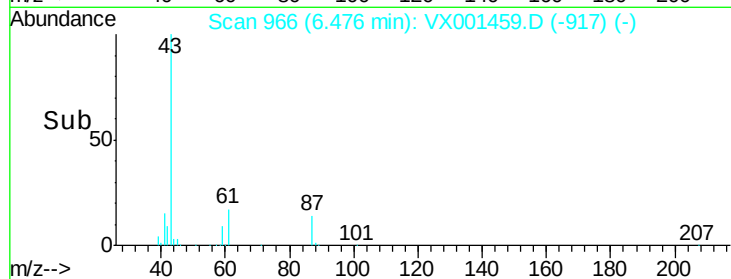
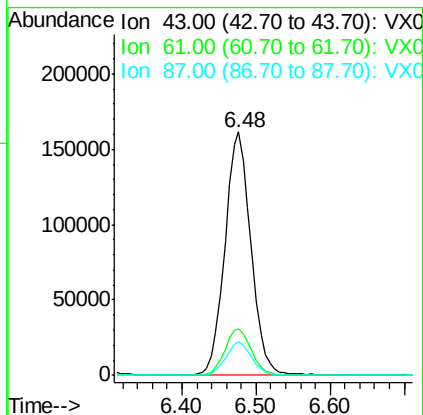
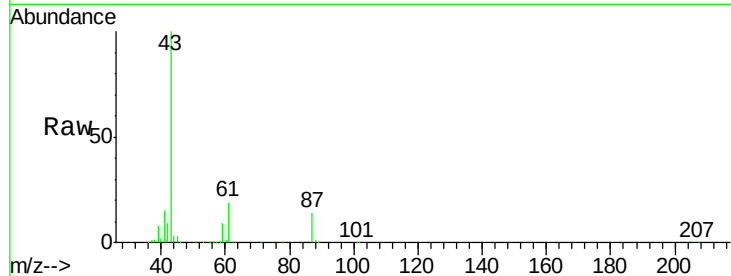


#43

Isopropyl Acetate
 Concen: 52.32 ug/l
 RT: 6.48 min Scan# 966
 Delta R.T. 0.00 min
 Lab File: VX001459.D
 Acq: 06 May 2018 21:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

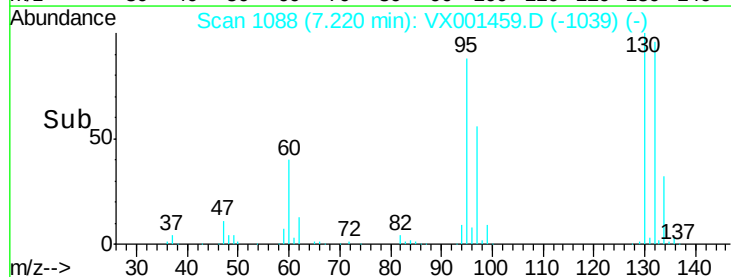
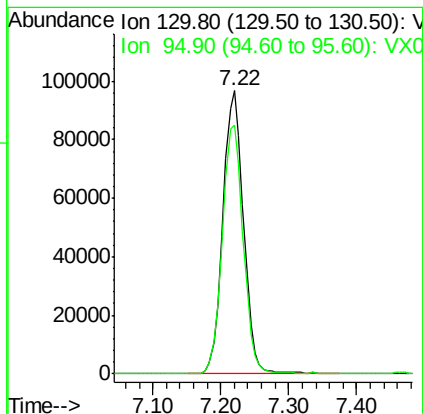
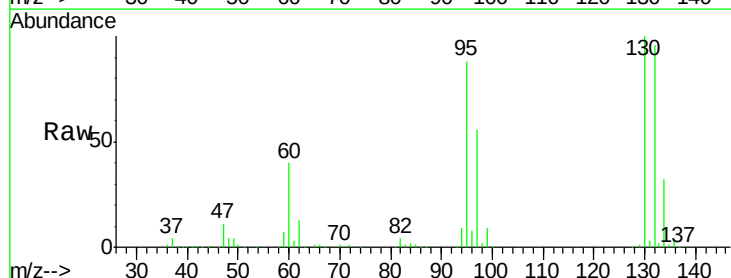
Tgt Ion: 43 Resp: 392220
 Ion Ratio Lower Upper
 43 100
 61 19.6 15.4 23.0
 87 13.7 10.8 16.2

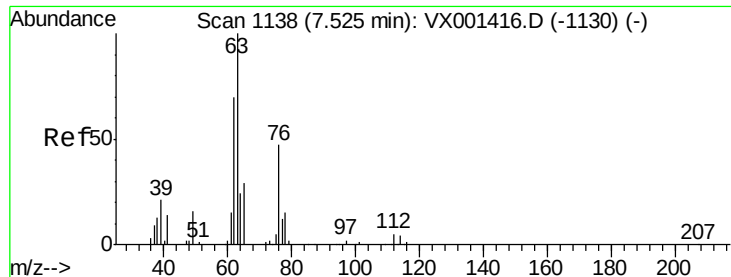


#44

Trichloroethene
 Concen: 51.32 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. 0.00 min
 Lab File: VX001459.D
 Acq: 06 May 2018 21:57

Tgt Ion: 130 Resp: 204107
 Ion Ratio Lower Upper
 130 100
 95 87.7 0.0 178.4

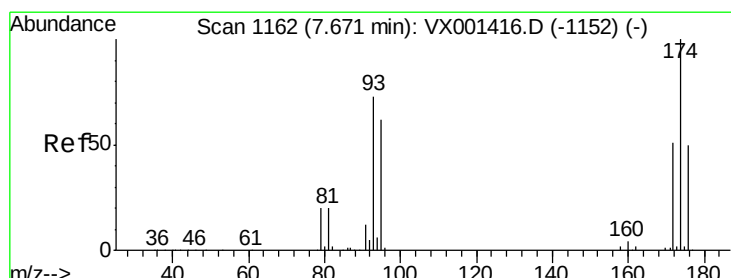
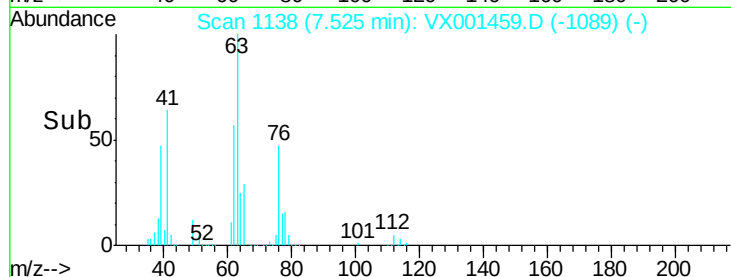
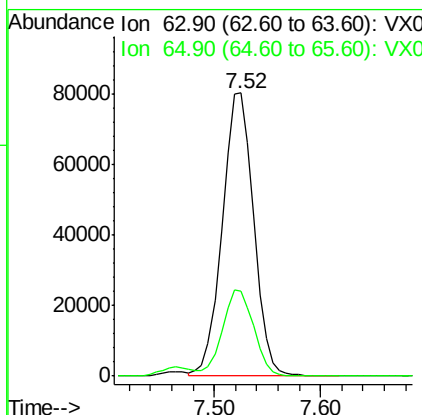
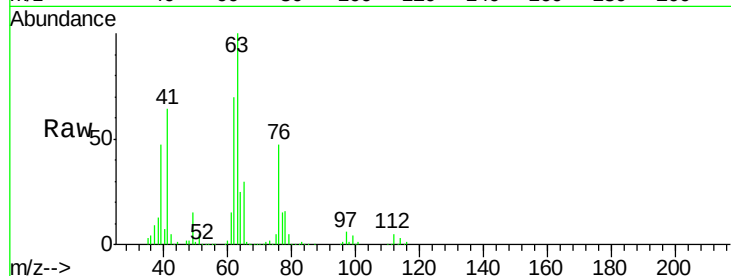




#45
 1,2-Dichloropropane
 Concen: 50.97 ug/l
 RT: 7.52 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VX001459.D
 Acq: 06 May 2018 21:57

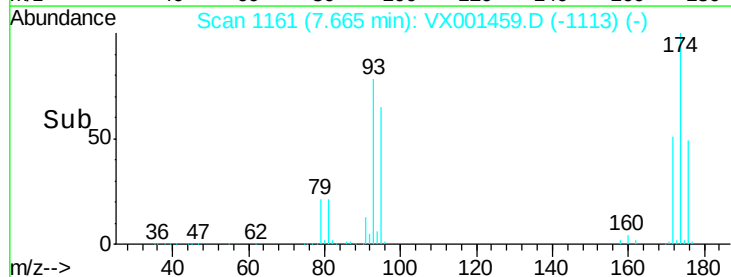
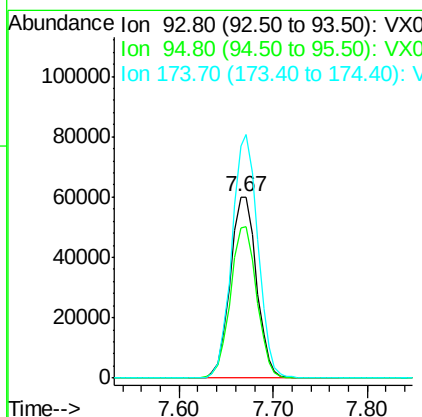
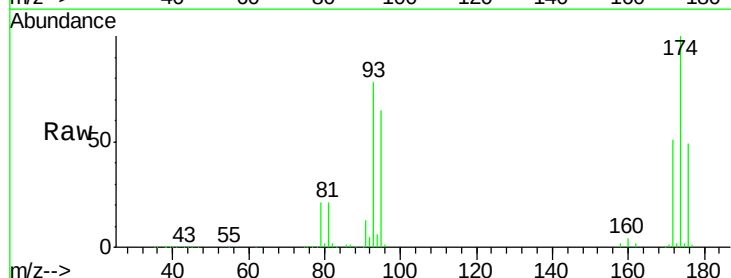
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

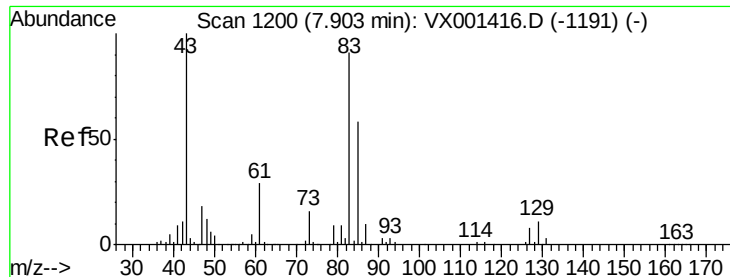
Tgt Ion: 63 Resp: 165373
 Ion Ratio Lower Upper
 63 100
 65 30.2 24.5 36.7



#46
 Dibromomethane
 Concen: 50.97 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. -0.01 min
 Lab File: VX001459.D
 Acq: 06 May 2018 21:57

Tgt Ion: 93 Resp: 117064
 Ion Ratio Lower Upper
 93 100
 95 83.7 67.0 100.4
 174 132.2 104.5 156.7





#47

Bromodichloromethane

Concen: 53.72 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX001459.D

Acq: 06 May 2018 21:57

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

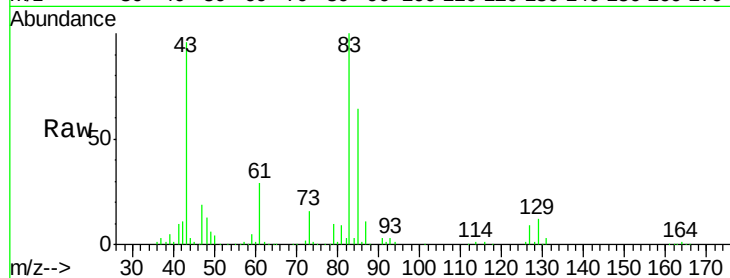
Tgt Ion: 83 Resp: 228322

Ion Ratio Lower Upper

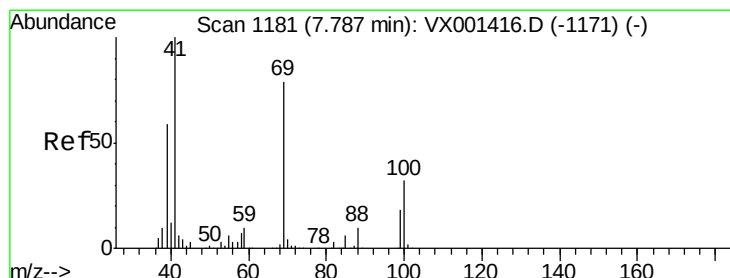
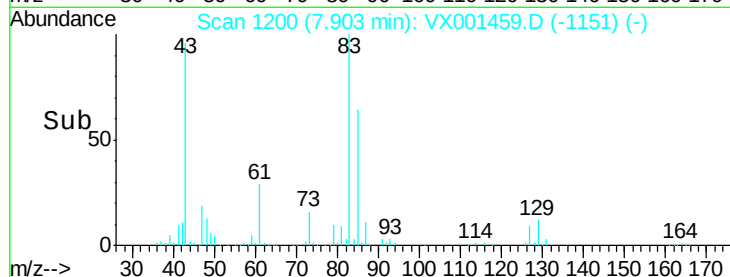
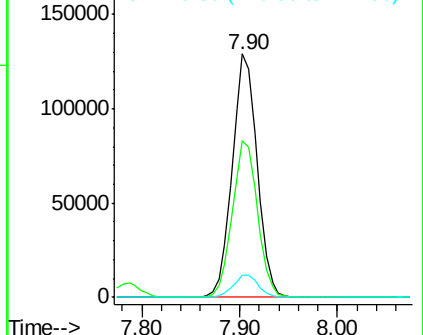
83 100

85 64.2 51.0 76.6

127 9.4 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: 51.39 ug/l

RT: 7.79 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VX001459.D

Acq: 06 May 2018 21:57

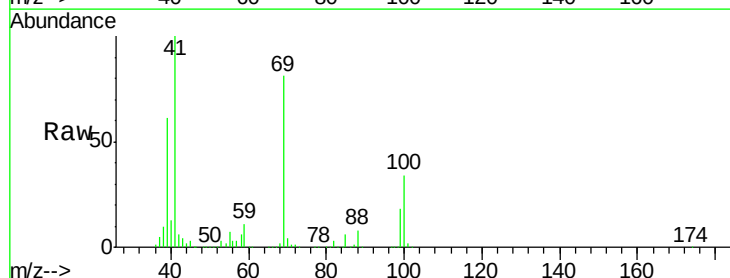
Tgt Ion: 41 Resp: 209797

Ion Ratio Lower Upper

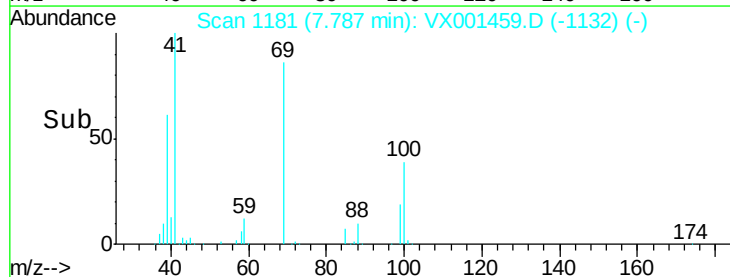
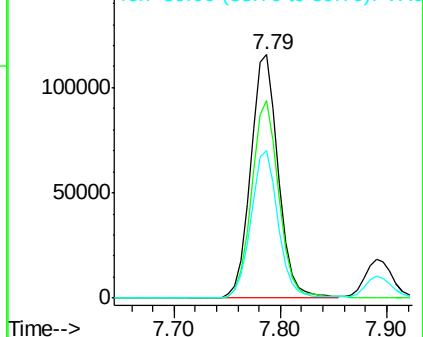
41 100

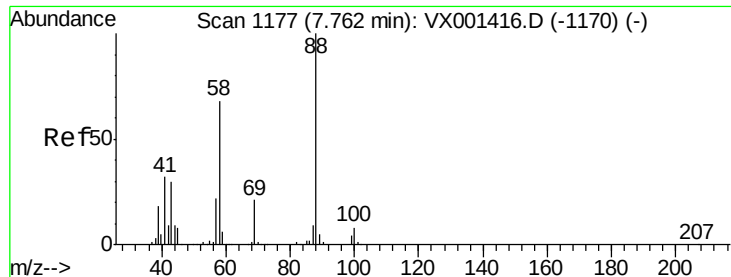
69 80.4 63.4 95.2

39 60.0 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

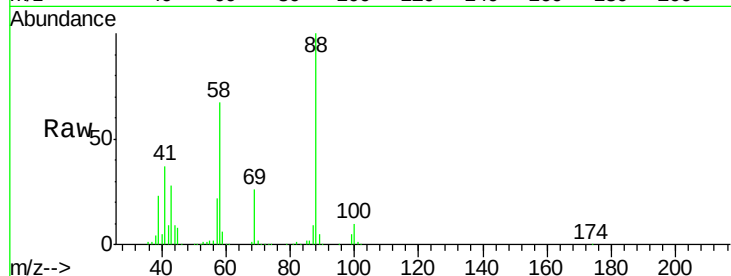




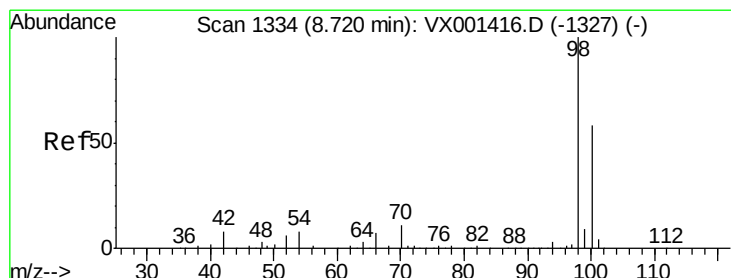
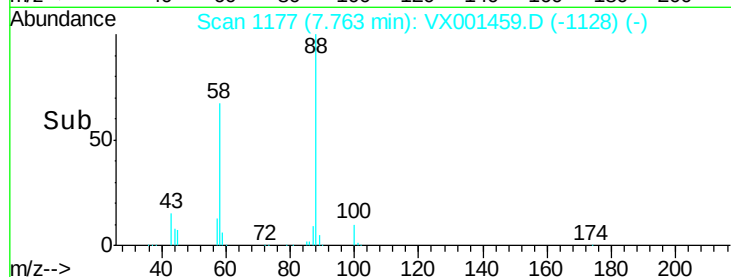
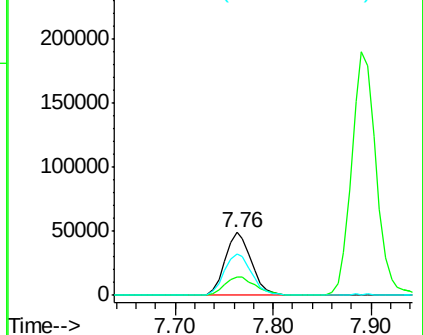
#49
1,4-Dioxane
Concen: 1039.05 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. 0.00 min
Lab File: VX001459.D
Acq: 06 May 2018 21:57

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 88 Resp: 91643
Ion Ratio Lower Upper
88 100
43 33.5 26.4 39.6
58 68.5 54.1 81.1

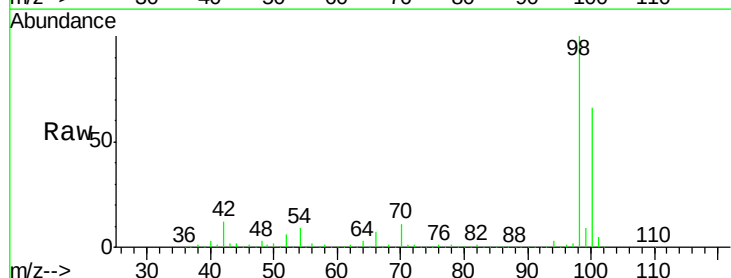


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

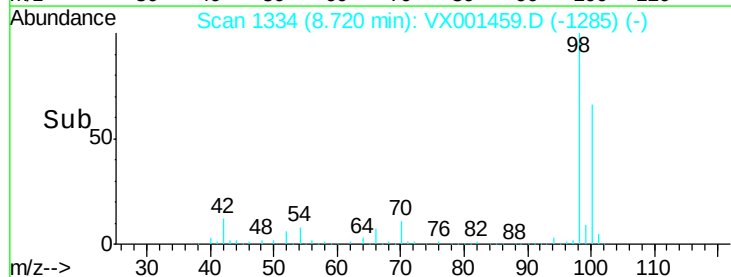
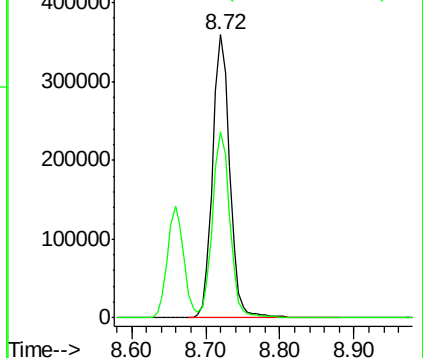


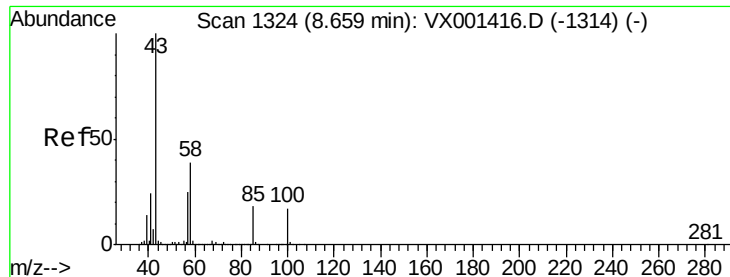
#50
Toluene-d8
Concen: 49.97 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX001459.D
Acq: 06 May 2018 21:57

Tgt Ion: 98 Resp: 568268
Ion Ratio Lower Upper
98 100
100 66.9 54.0 81.0



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

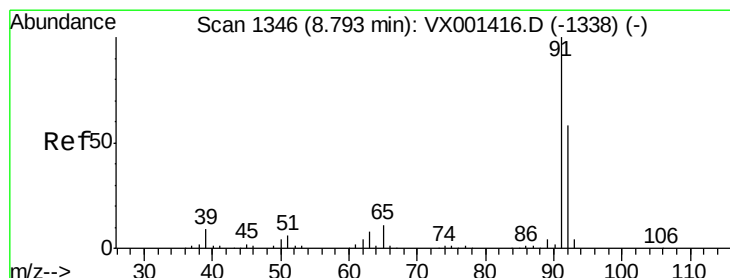
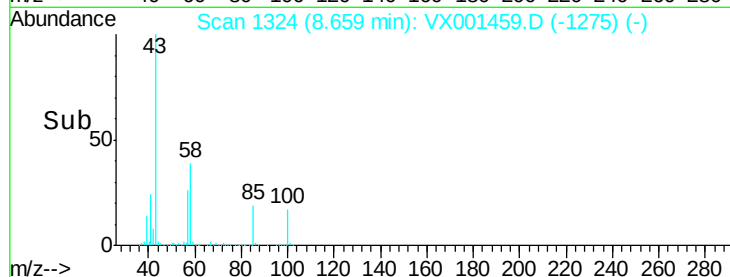
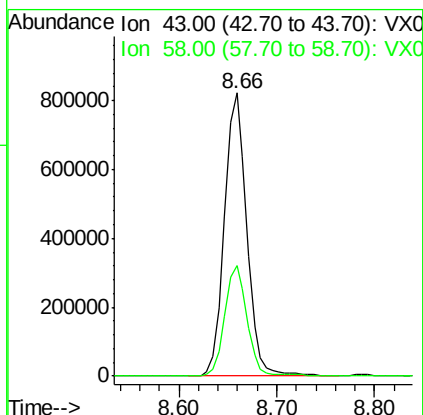
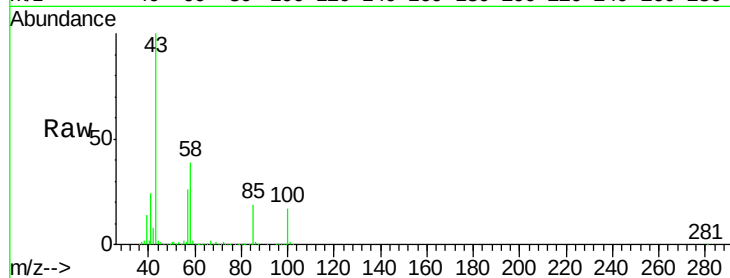




#51
 4-Methyl-2-Pentanone
 Concen: 261.59 ug/l
 RT: 8.66 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VX001459.D
 Acq: 06 May 2018 21:57

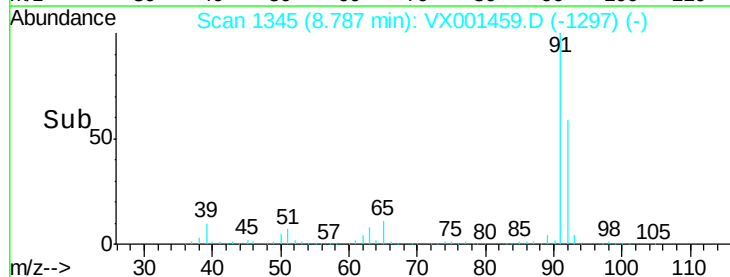
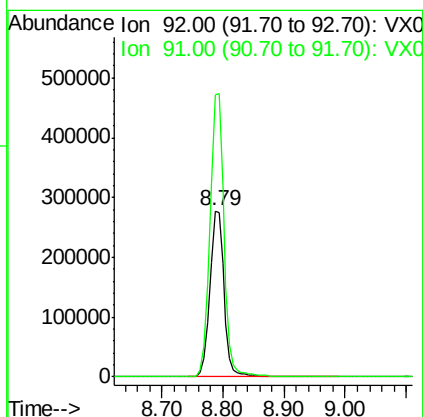
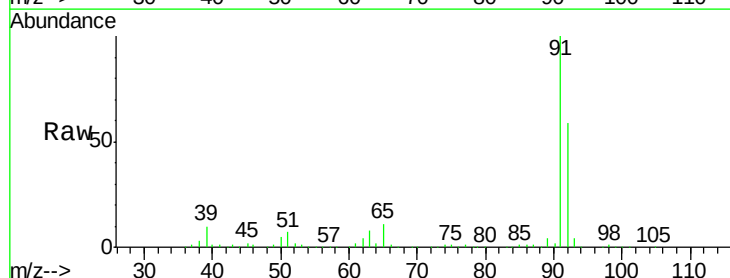
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

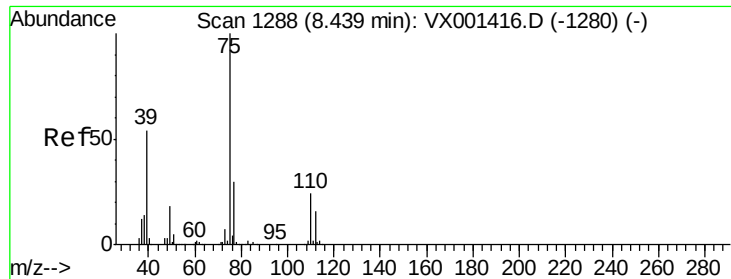
Tgt Ion: 43 Resp: 1303235
 Ion Ratio Lower Upper
 43 100
 58 39.3 30.8 46.2



#52
 Toluene
 Concen: 52.69 ug/l
 RT: 8.79 min Scan# 1345
 Delta R.T. -0.01 min
 Lab File: VX001459.D
 Acq: 06 May 2018 21:57

Tgt Ion: 92 Resp: 448301
 Ion Ratio Lower Upper
 92 100
 91 170.2 135.2 202.8





#53

t-1,3-Dichloropropene

Concen: 54.24 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. 0.00 min

Lab File: VX001459.D

Acq: 06 May 2018 21:57

Instrument :

MSVOA_X

ClientSampleId :

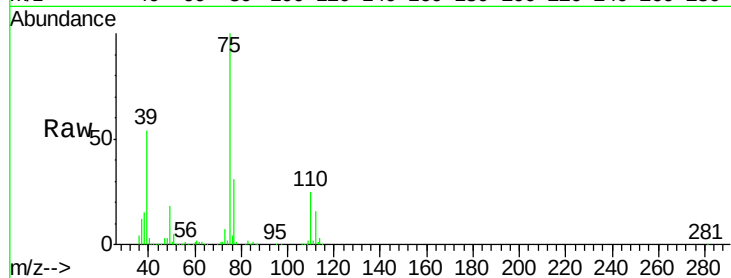
VSTDCCC050EC

Tgt Ion: 75 Resp: 260554

Ion Ratio Lower Upper

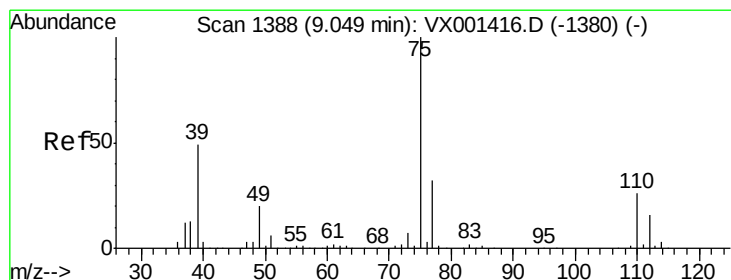
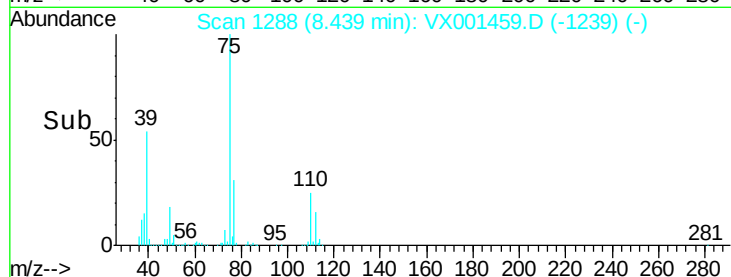
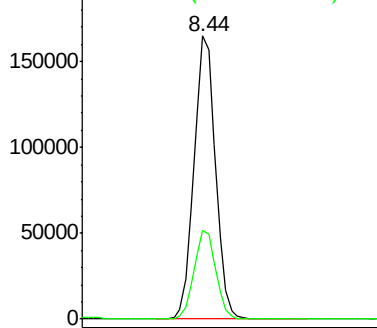
75 100

77 31.3 24.2 36.4



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: 48.12 ug/l

RT: 9.05 min Scan# 1388

Delta R.T. 0.00 min

Lab File: VX001459.D

Acq: 06 May 2018 21:57

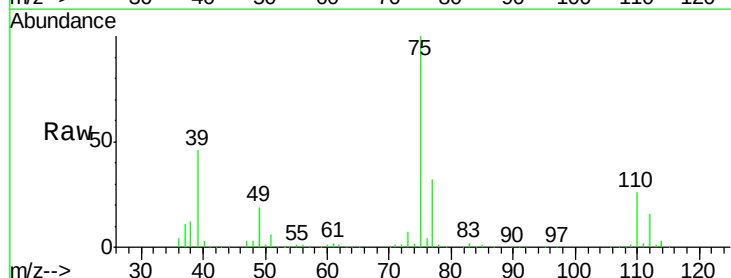
Tgt Ion: 75 Resp: 238534

Ion Ratio Lower Upper

75 100

77 31.6 25.5 38.3

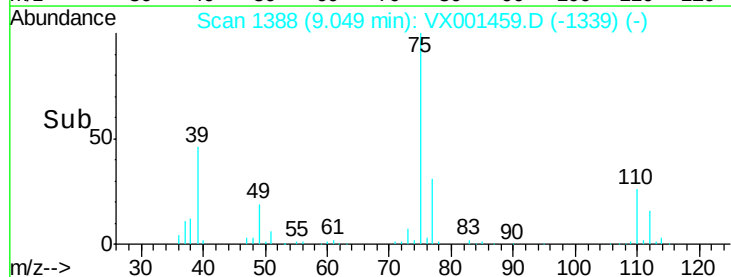
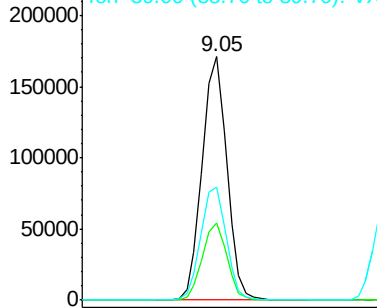
39 46.5 38.9 58.3

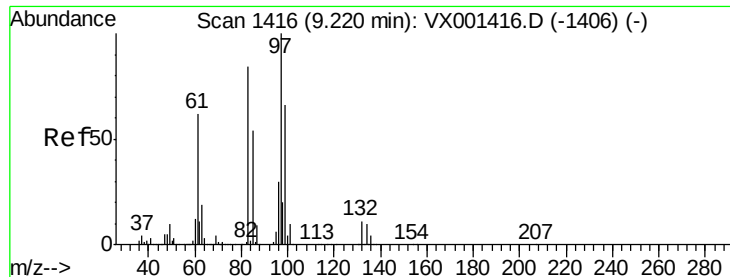


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

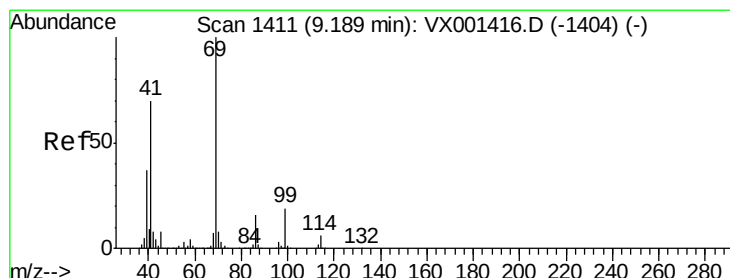
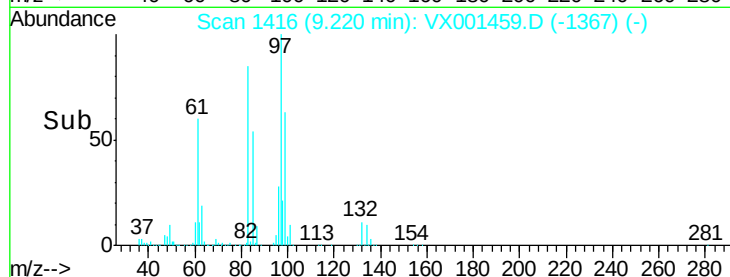
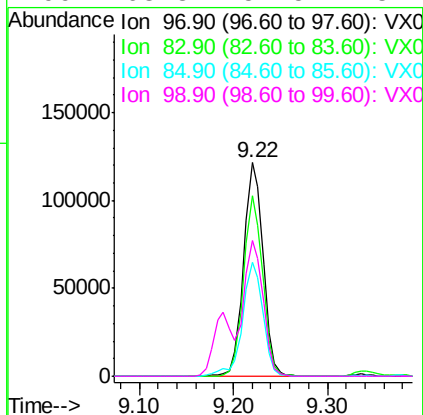
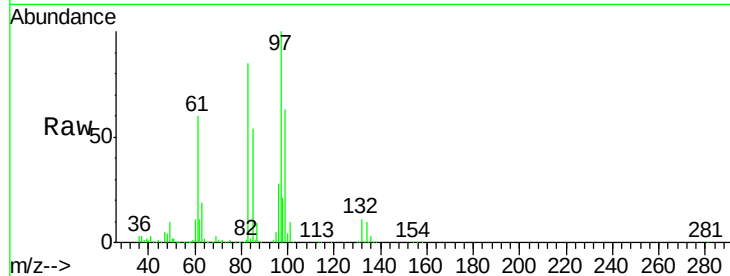




#55
 1,1,2-Trichloroethane
 Concen: 51.13 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX001459.D
 Acq: 06 May 2018 21:57

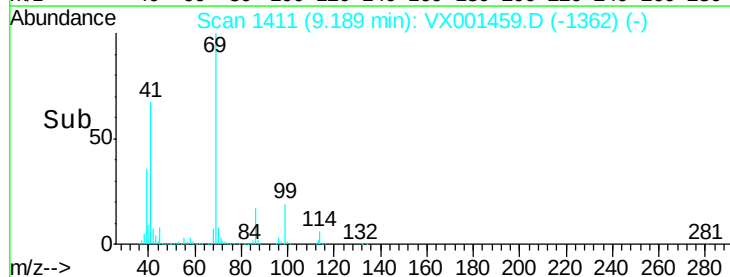
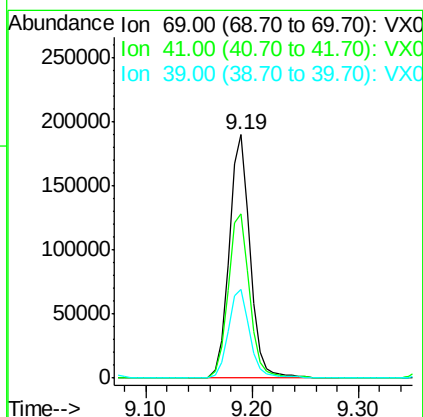
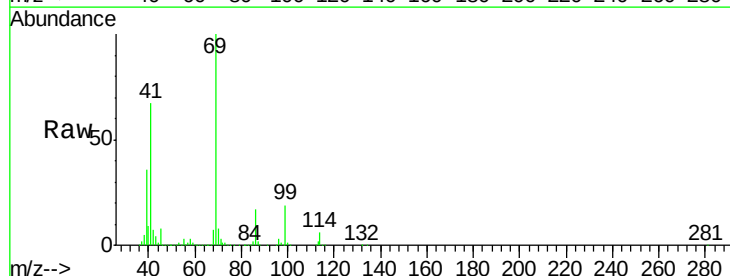
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

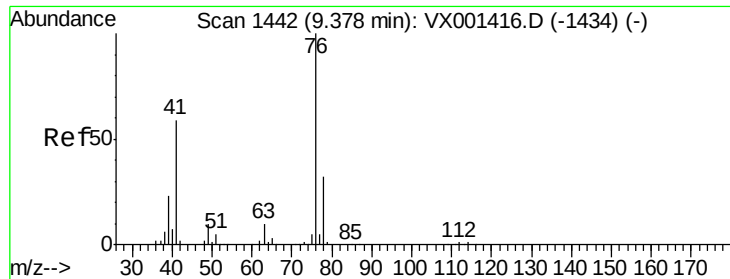
Tgt Ion:	97	Resp:	175285
Ion	Ratio	Lower	Upper
97	100		
83	84.5	67.4	101.0
85	53.6	43.3	64.9
99	63.3	52.5	78.7



#56
 Ethyl methacrylate
 Concen: 52.97 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. 0.00 min
 Lab File: VX001459.D
 Acq: 06 May 2018 21:57

Tgt Ion:	69	Resp:	261740
Ion	Ratio	Lower	Upper
69	100		
41	69.3	55.1	82.7
39	37.3	29.9	44.9

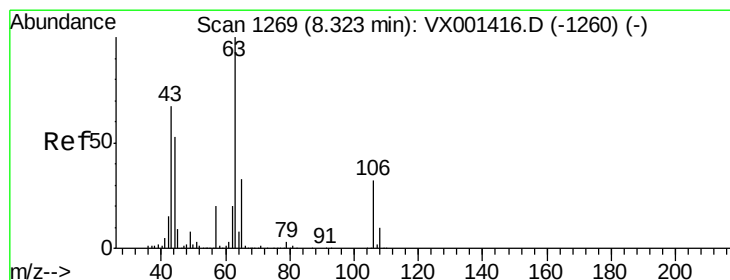
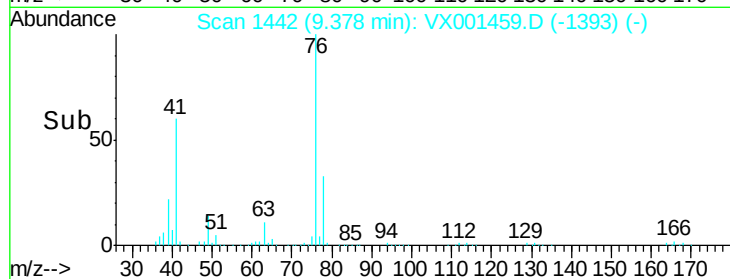
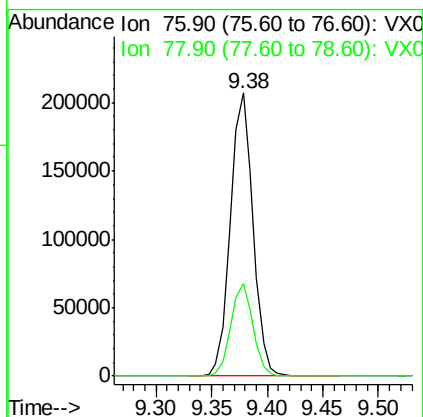
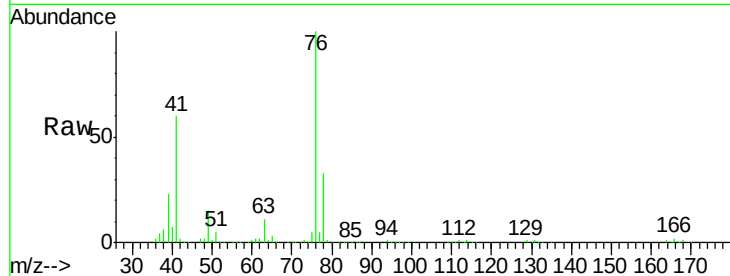




#57
 1,3-Dichloropropane
 Concen: 51.20 ug/l
 RT: 9.38 min Scan# 1442
 Delta R.T. 0.00 min
 Lab File: VX001459.D
 Acq: 06 May 2018 21:57

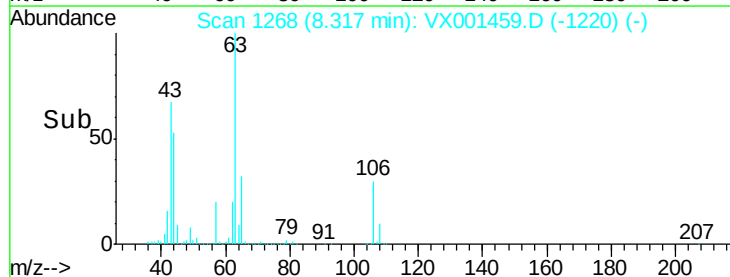
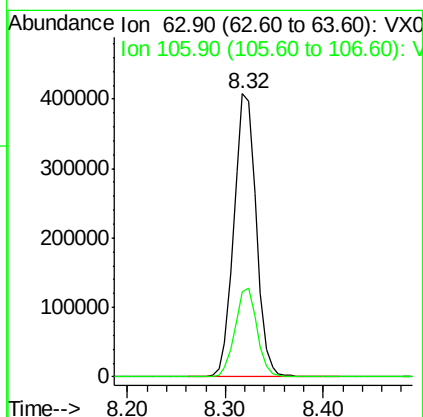
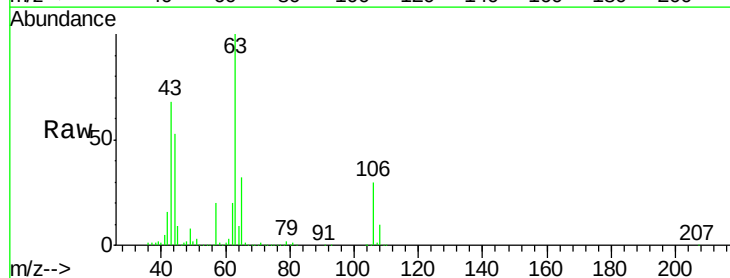
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

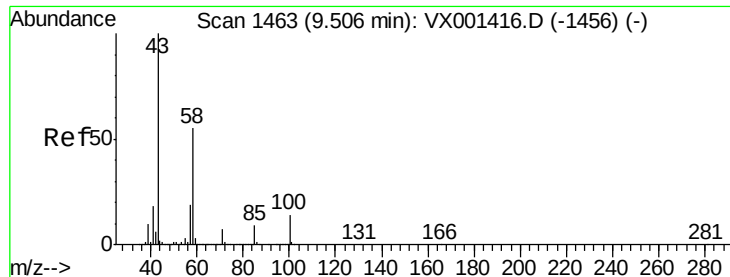
Tgt Ion: 76 Resp: 290226
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 266.10 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. -0.01 min
 Lab File: VX001459.D
 Acq: 06 May 2018 21:57

Tgt Ion: 63 Resp: 644941
 Ion Ratio Lower Upper
 63 100
 106 31.1 25.4 38.0

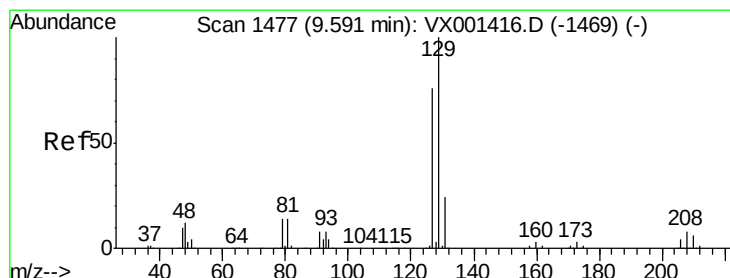
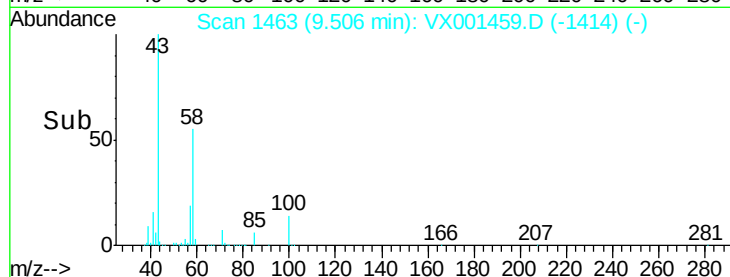
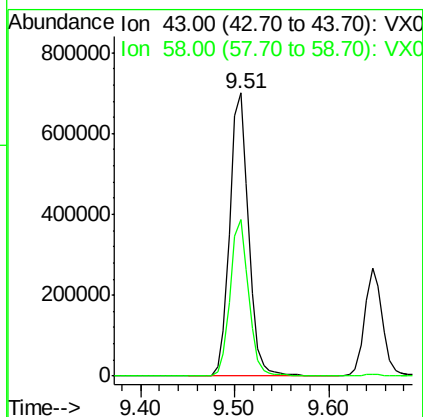
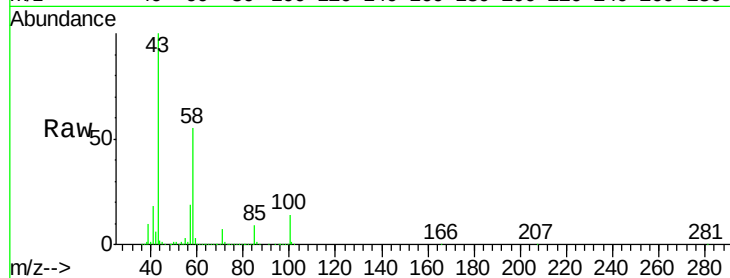




#59
2-Hexanone
Concen: 255.31 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. 0.00 min
Lab File: VX001459.D
Acq: 06 May 2018 21:57

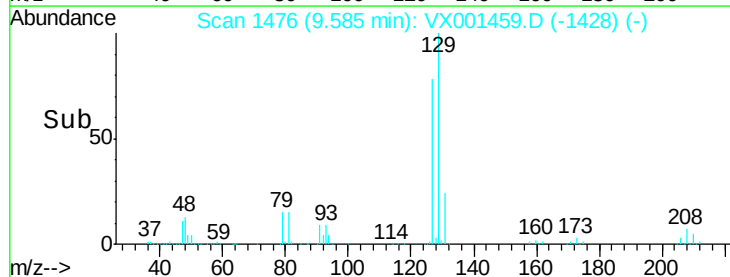
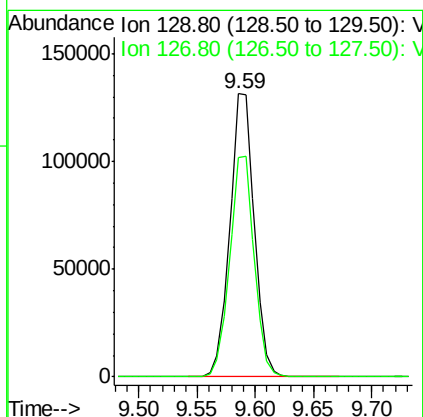
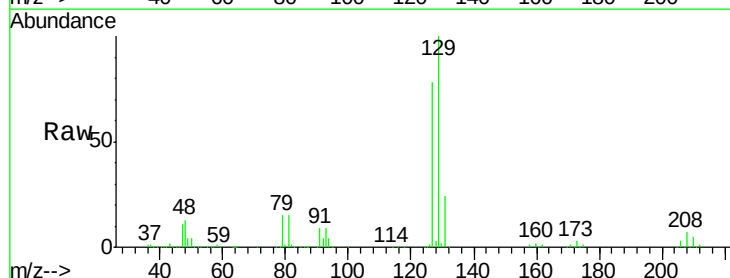
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

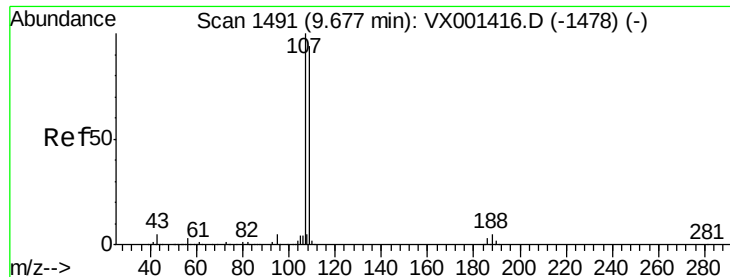
Tgt Ion: 43 Resp: 974002
Ion Ratio Lower Upper
43 100
58 54.5 27.1 81.2



#60
Dibromochloromethane
Concen: 54.67 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.01 min
Lab File: VX001459.D
Acq: 06 May 2018 21:57

Tgt Ion: 129 Resp: 191912
Ion Ratio Lower Upper
129 100
127 78.0 38.1 114.5





#61

1,2-Dibromoethane

Concen: 52.57 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX001459.D

Acq: 06 May 2018 21:57

Instrument :

MSVOA_X

ClientSampleId :

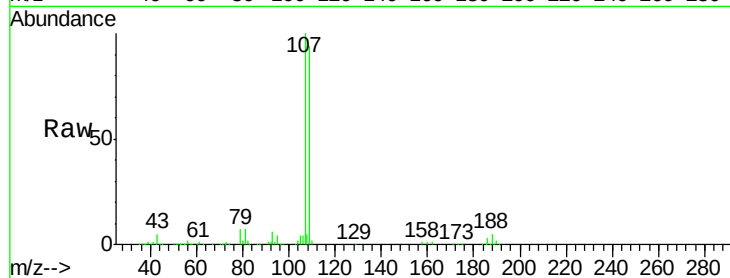
VSTDCCC050EC

Tgt Ion: 107 Resp: 189202

Ion Ratio Lower Upper

107 100

109 93.9 75.5 113.3



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.68

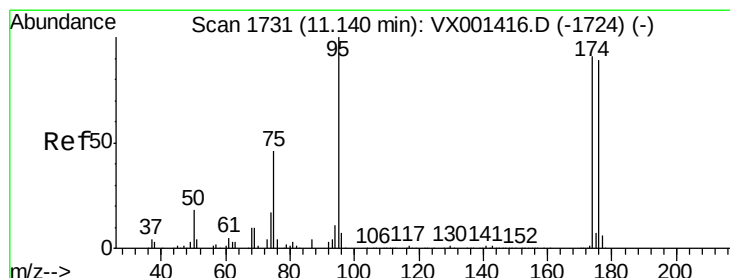
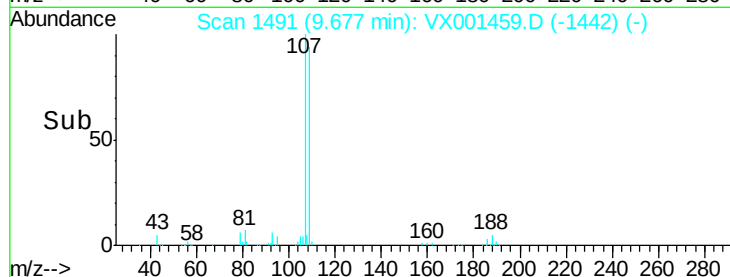
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 49.20 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX001459.D

Acq: 06 May 2018 21:57

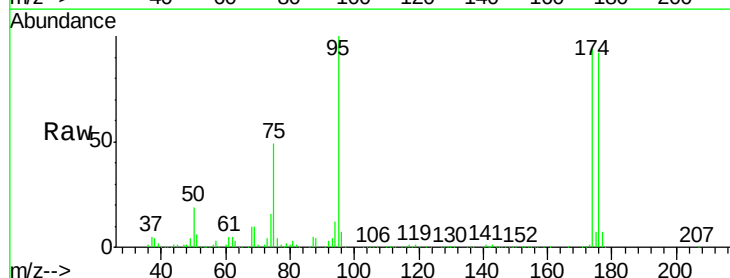
Tgt Ion: 95 Resp: 214786

Ion Ratio Lower Upper

95 100

174 101.9 0.0 202.0

176 99.1 0.0 197.4



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.14

200000

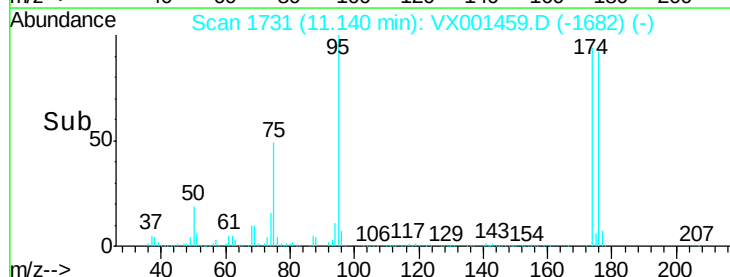
150000

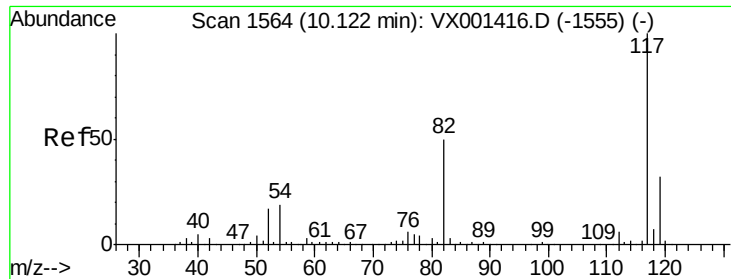
100000

50000

0

Time-->

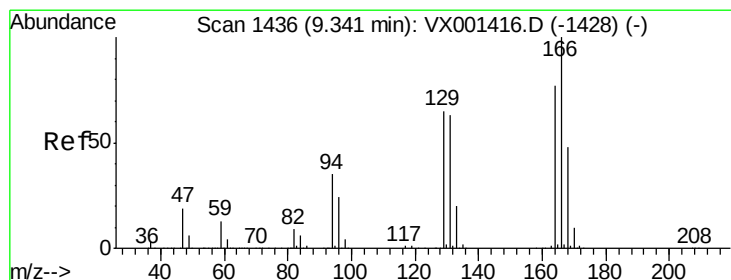
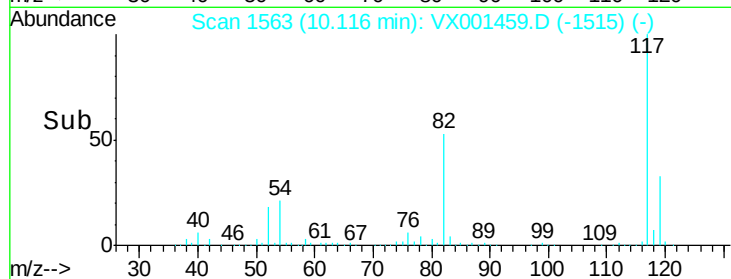
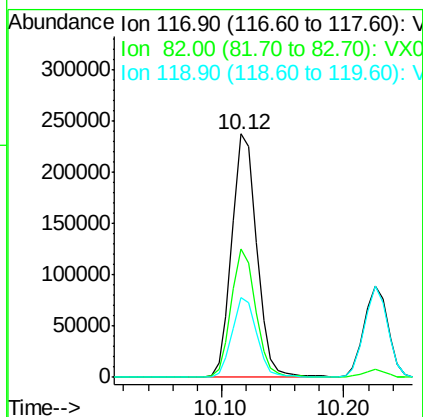
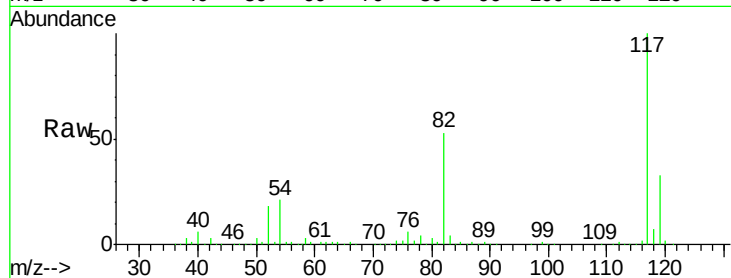




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.01 min
Lab File: VX001459.D
Acq: 06 May 2018 21:57

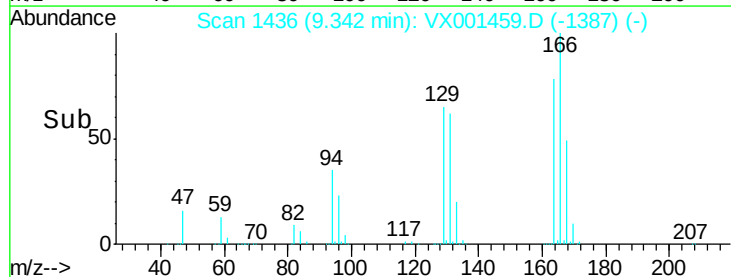
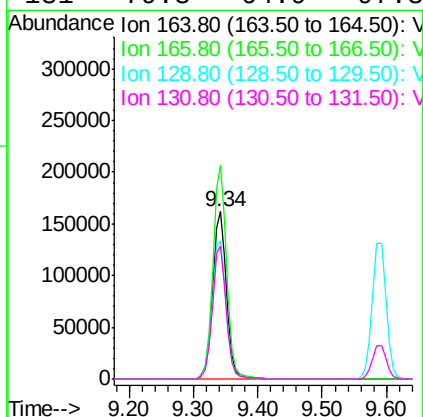
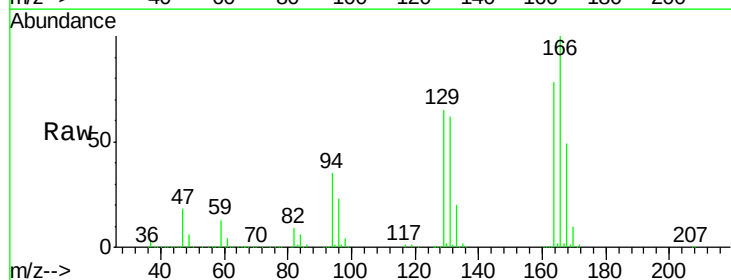
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

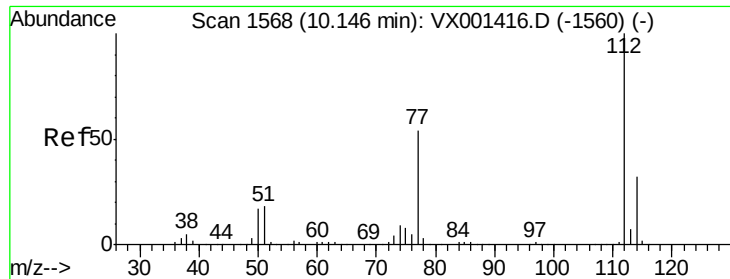
Tgt Ion:117 Resp: 335682
Ion Ratio Lower Upper
117 100
82 52.7 40.0 60.0
119 32.8 25.8 38.8



#64
Tetrachloroethene
Concen: 52.00 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.00 min
Lab File: VX001459.D
Acq: 06 May 2018 21:57

Tgt Ion:164 Resp: 243319
Ion Ratio Lower Upper
164 100
166 127.6 103.5 155.3
129 82.4 66.7 100.1
131 79.3 64.9 97.3

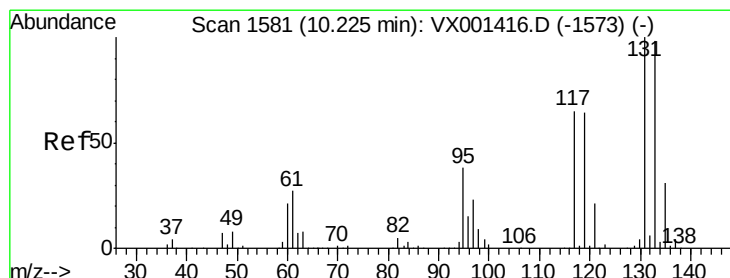
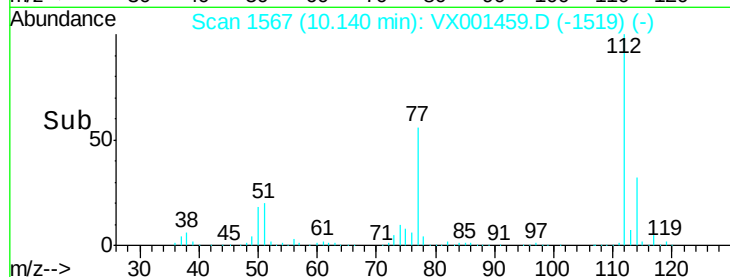
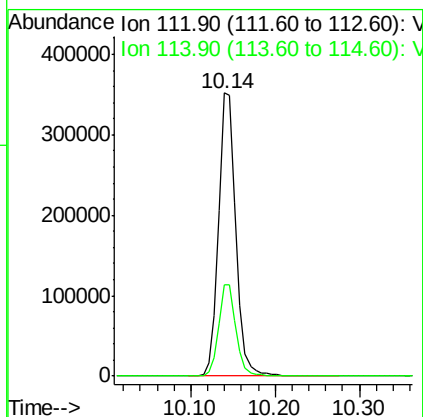
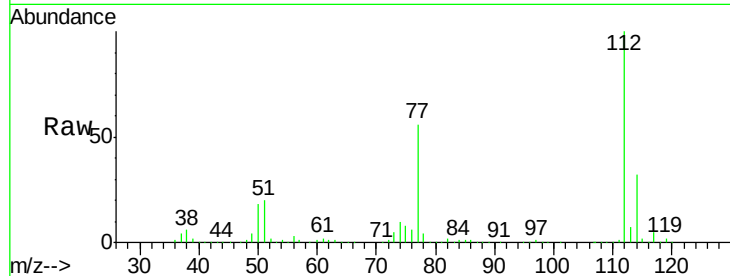




#65
Chlorobenzene
Concen: 50.99 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VX001459.D
Acq: 06 May 2018 21:57

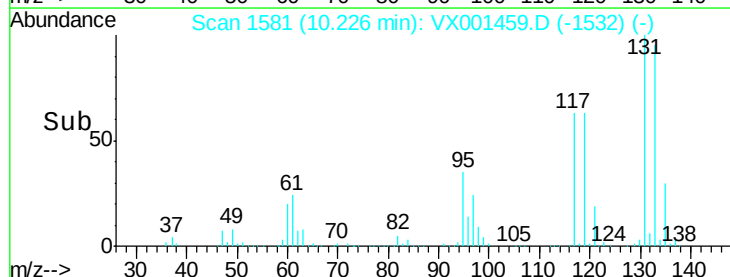
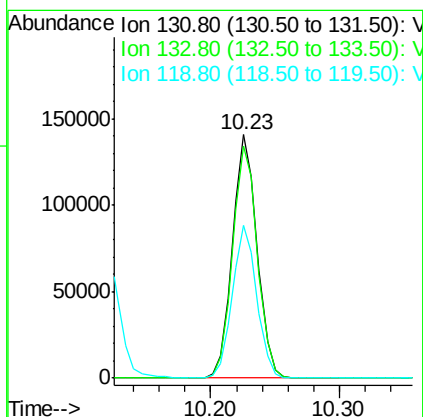
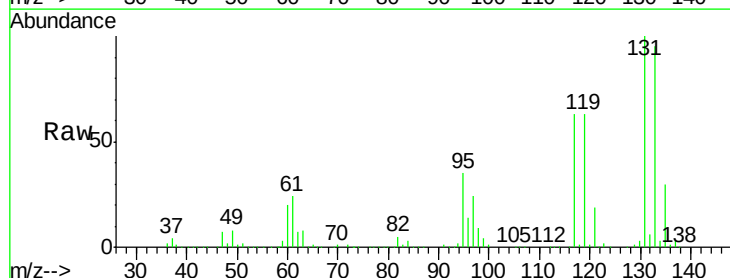
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

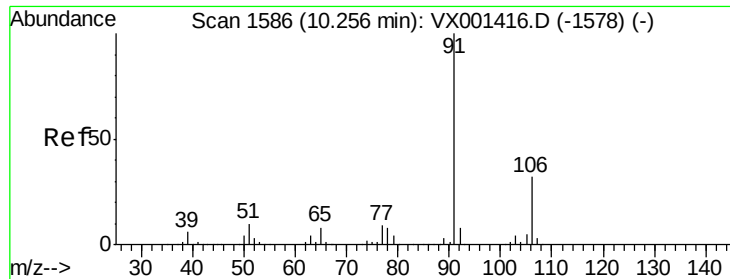
Tgt Ion:112 Resp: 501994
Ion Ratio Lower Upper
112 100
114 32.4 26.0 39.0



#66
1,1,1,2-Tetrachloroethane
Concen: 53.10 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VX001459.D
Acq: 06 May 2018 21:57

Tgt Ion:131 Resp: 186997
Ion Ratio Lower Upper
131 100
133 96.6 47.9 143.8
119 62.6 31.1 93.3

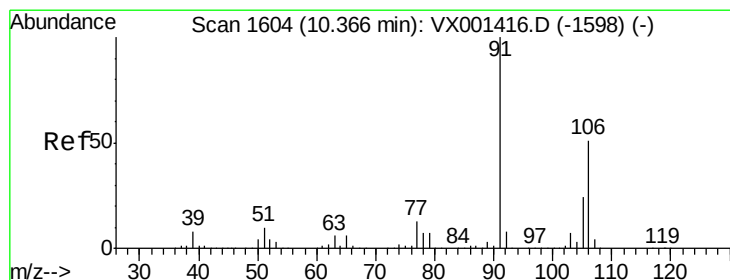
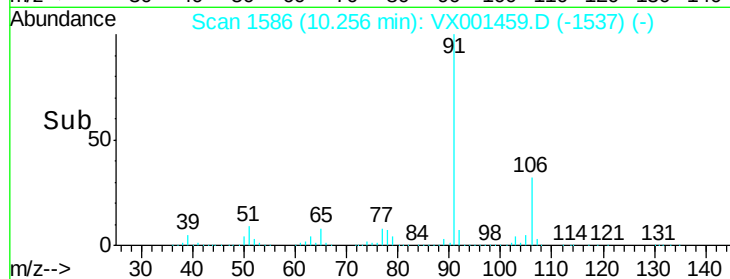
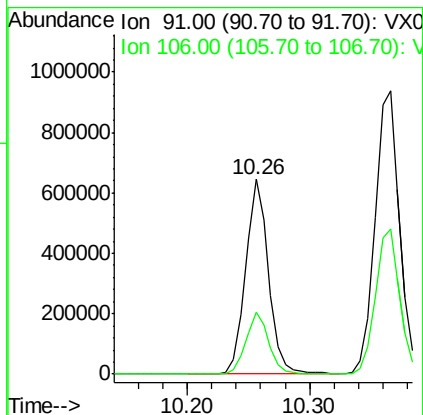
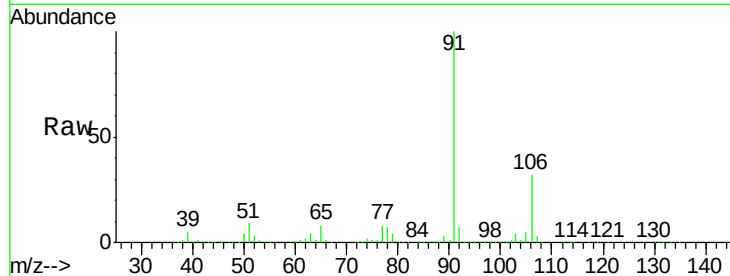




#67
Ethyl Benzene
Concen: 51.93 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX001459.D
Acq: 06 May 2018 21:57

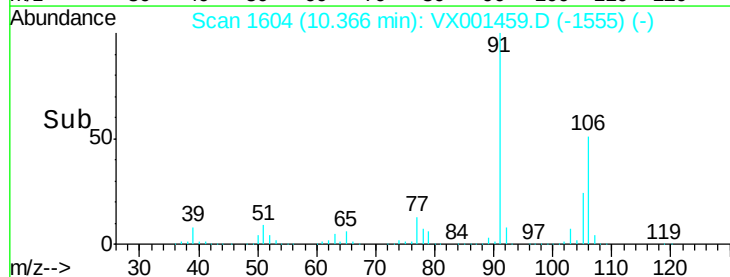
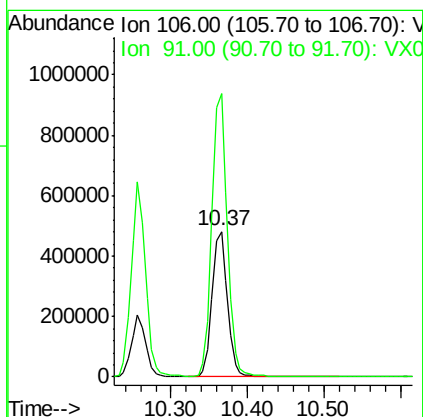
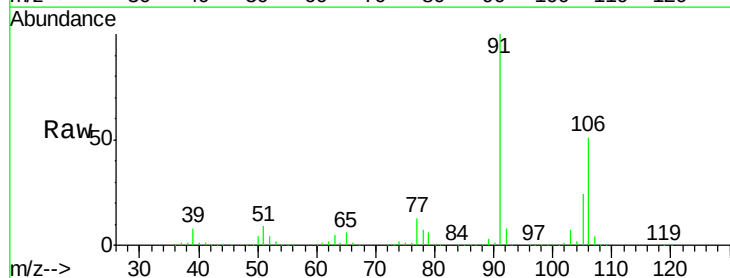
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

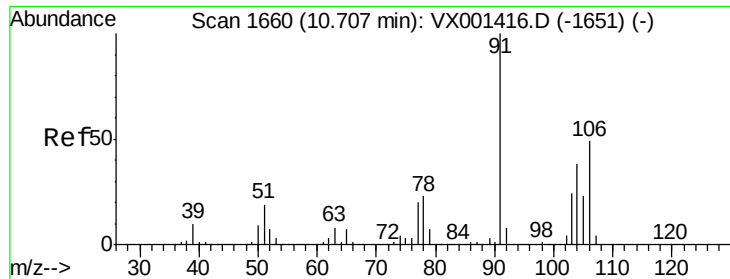
Tgt Ion: 91 Resp: 837942
Ion Ratio Lower Upper
91 100
106 31.7 25.5 38.3



#68
m/p-Xylenes
Concen: 105.57 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VX001459.D
Acq: 06 May 2018 21:57

Tgt Ion: 106 Resp: 673073
Ion Ratio Lower Upper
106 100
91 195.9 157.5 236.3

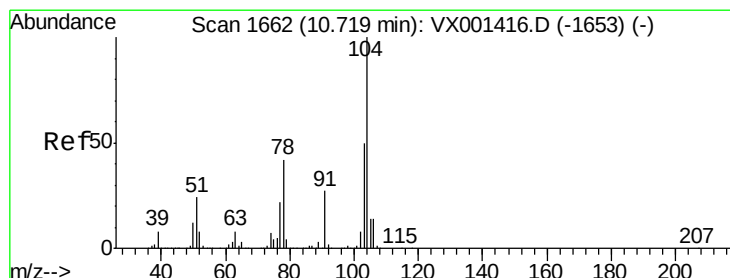
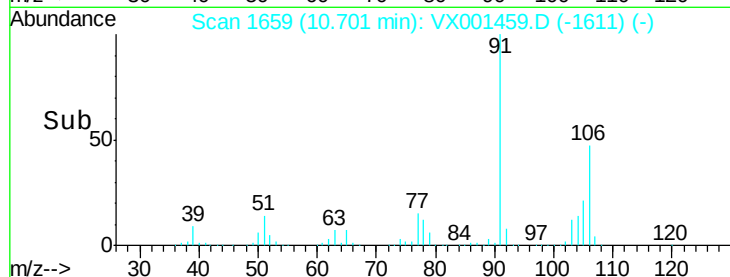
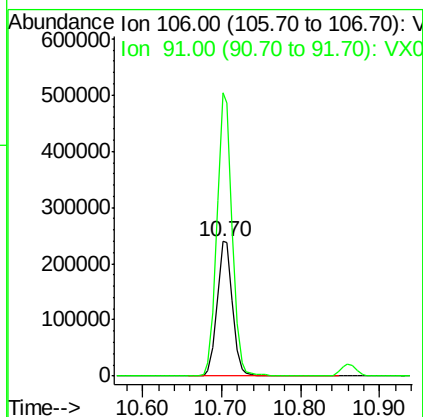
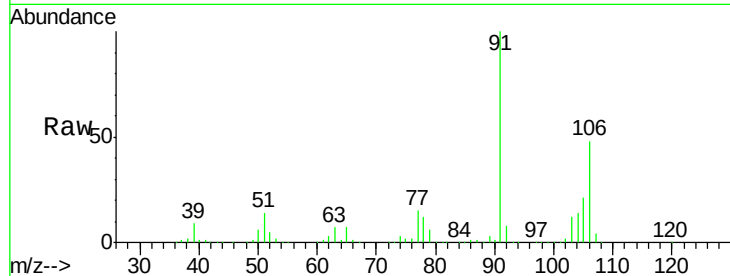




#69
o-Xylene
Concen: 52.80 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.01 min
Lab File: VX001459.D
Acq: 06 May 2018 21:57

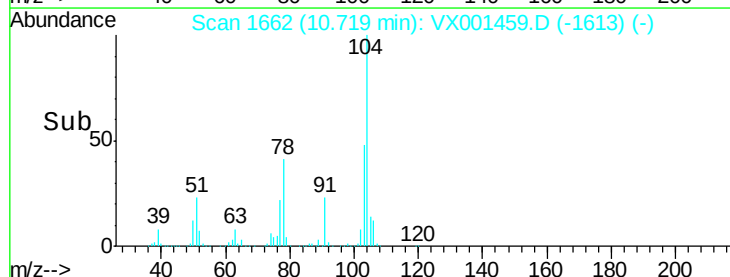
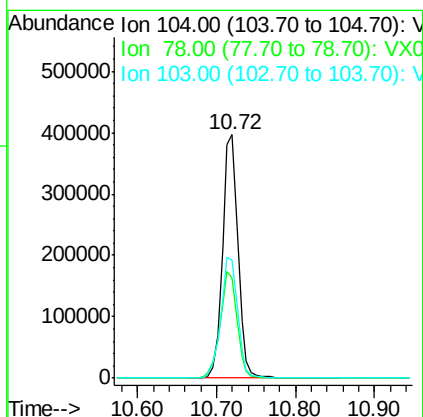
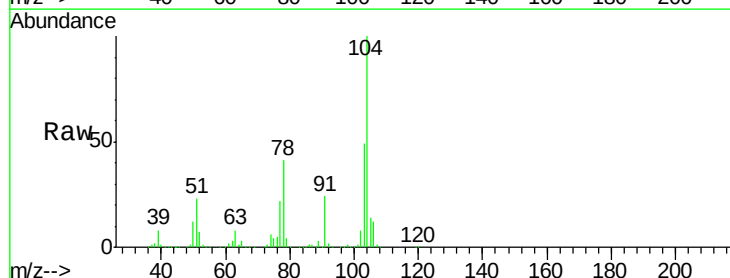
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

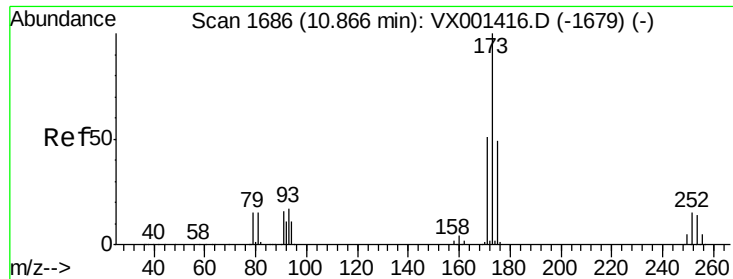
Tgt Ion:106 Resp: 327198
Ion Ratio Lower Upper
106 100
91 207.3 103.1 309.1



#70
Styrene
Concen: 53.82 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VX001459.D
Acq: 06 May 2018 21:57

Tgt Ion:104 Resp: 541758
Ion Ratio Lower Upper
104 100
78 47.8 38.6 58.0
103 54.4 44.0 66.0





#71

Bromoform

Concen: 46.87 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. -0.01 min

Lab File: VX001459.D

Acq: 06 May 2018 21:57

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

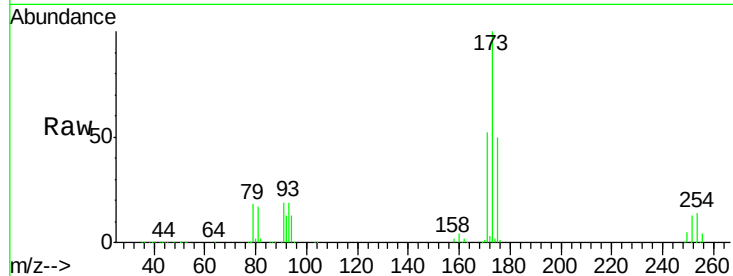
Tgt Ion:173 Resp: 157910

Ion Ratio Lower Upper

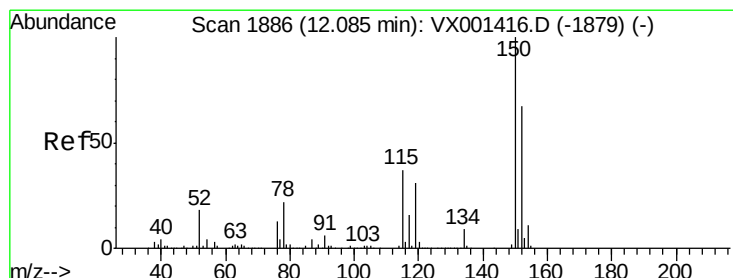
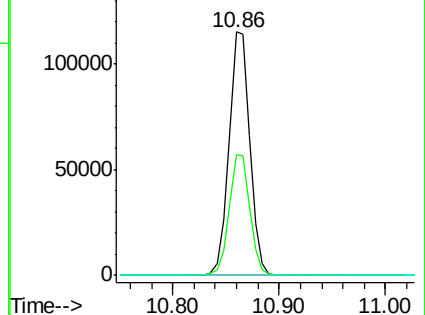
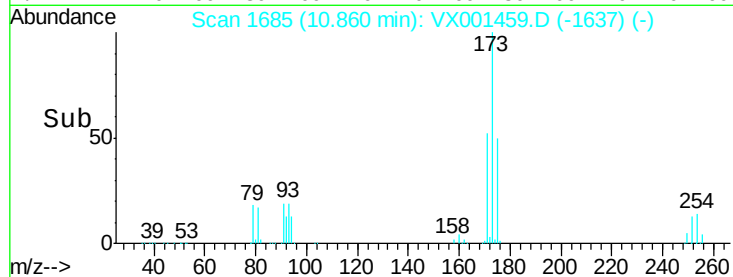
173 100

175 49.4 24.5 73.5

254 0.2 0.2 0.2



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX001459.D

Acq: 06 May 2018 21:57

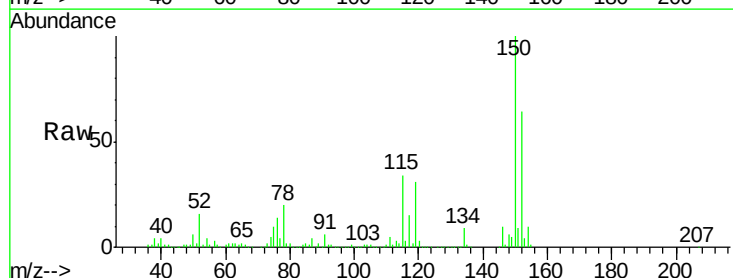
Tgt Ion:152 Resp: 241484

Ion Ratio Lower Upper

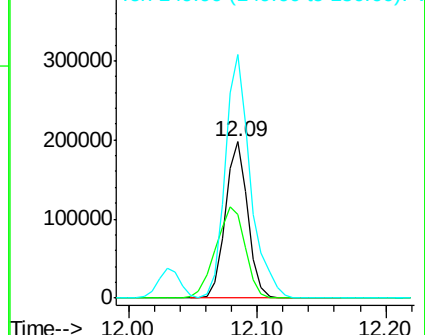
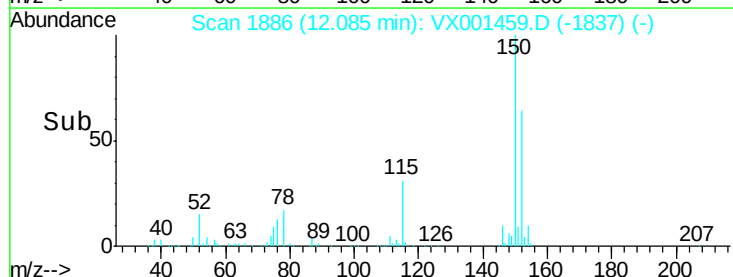
152 100

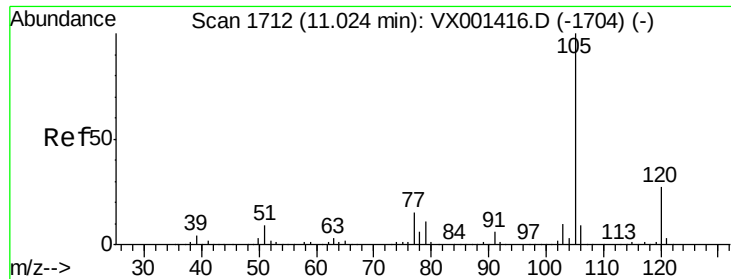
115 76.4 37.7 113.1

150 175.0 0.0 349.4



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

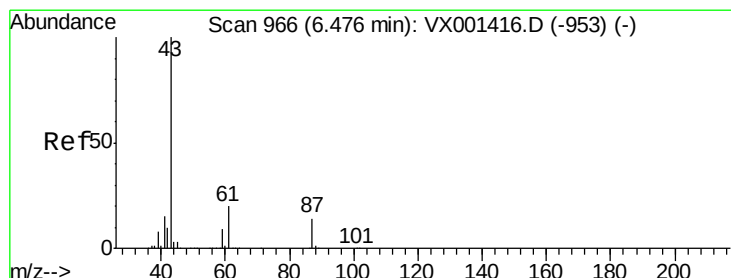
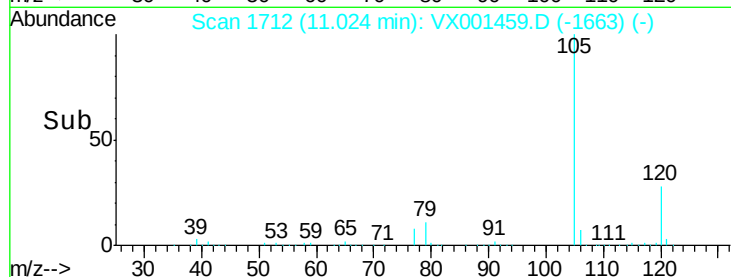
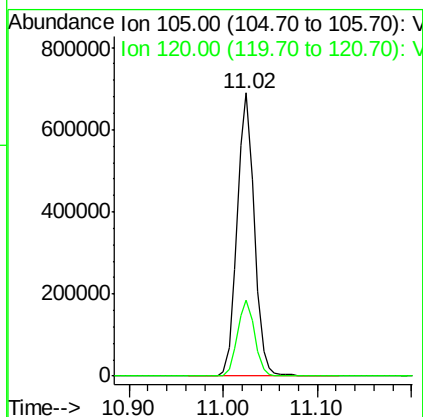
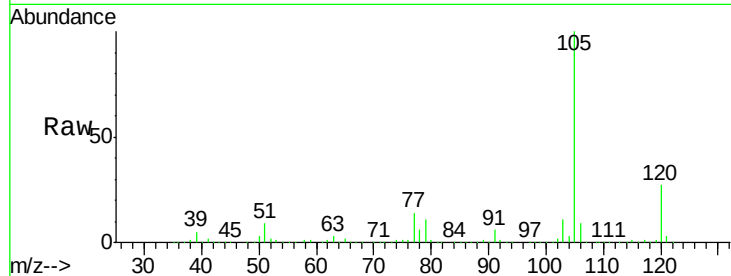




#73
Isopropylbenzene
Concen: 52.20 ug/l
RT: 11.02 min Scan# 1712
Delta R.T. 0.00 min
Lab File: VX001459.D
Acq: 06 May 2018 21:57

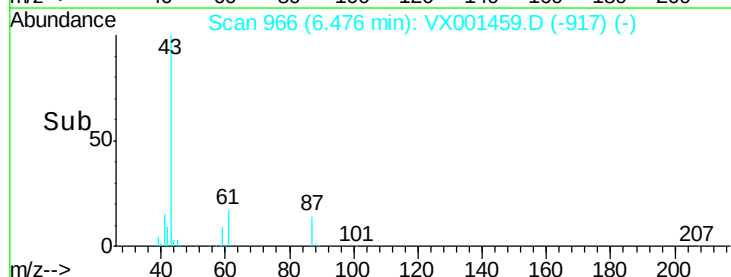
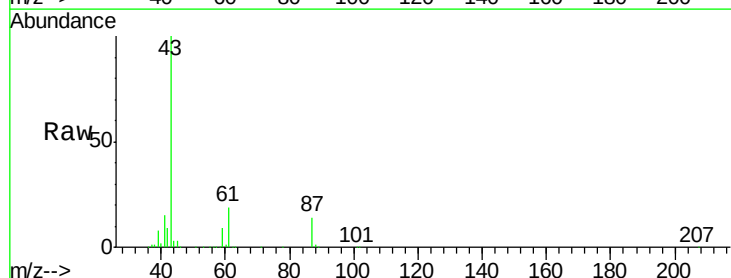
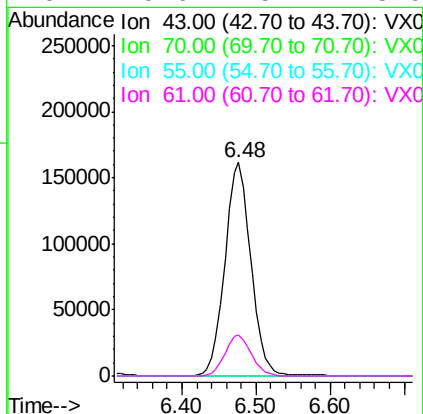
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

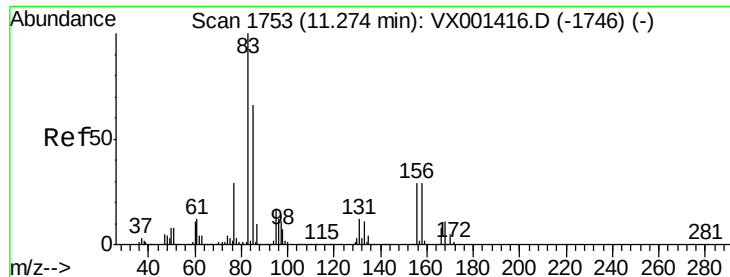
Tgt Ion: 105 Resp: 872665
Ion Ratio Lower Upper
105 100
120 27.3 13.6 40.8



#74
N-ethyl acetate
Concen: 51.65 ug/l
RT: 6.48 min Scan# 966
Delta R.T. 0.00 min
Lab File: VX001459.D
Acq: 06 May 2018 21:57

Tgt Ion: 43 Resp: 392220
Ion Ratio Lower Upper
43 100
70 0.0 0.0 0.0
55 0.0 0.1 0.1#
61 19.6 15.4 23.0





#75

1,1,2,2-Tetrachloroethane

Concen: 51.67 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX001459.D

Acq: 06 May 2018 21:57

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

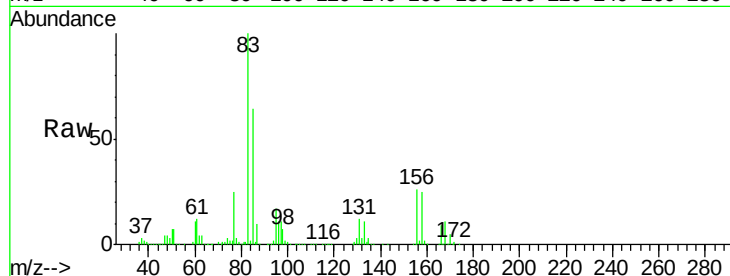
Tgt Ion: 83 Resp: 255117

Ion Ratio Lower Upper

83 100

131 11.5 5.8 17.4

85 64.4 32.7 98.1



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): VX0

Ion 84.90 (84.60 to 85.60): VX0

250000

200000

150000

100000

50000

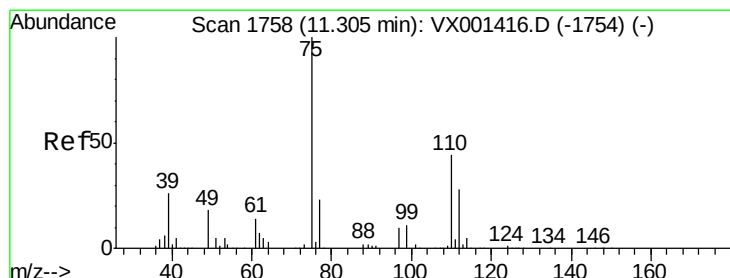
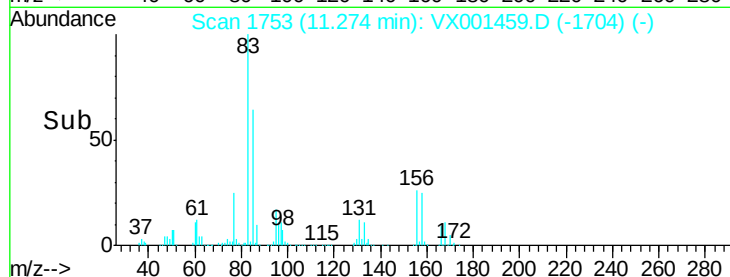
0

11.20

11.30

11.40

Time-->



#76

1,2,3-Trichloropropane

Concen: 60.56 ug/l

RT: 11.30 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VX001459.D

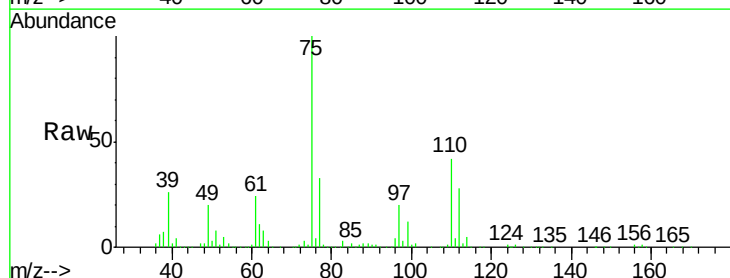
Acq: 06 May 2018 21:57

Tgt Ion: 75 Resp: 296610

Ion Ratio Lower Upper

75 100

77 31.5 19.6 58.7



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

250000

200000

150000

100000

50000

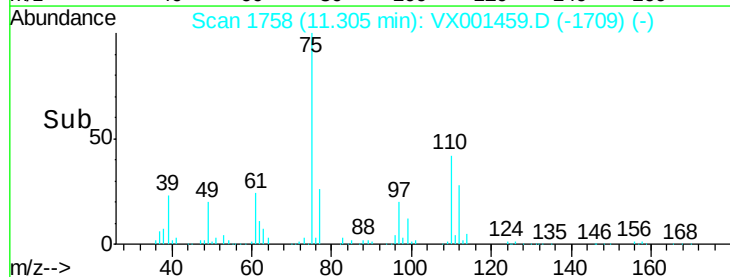
0

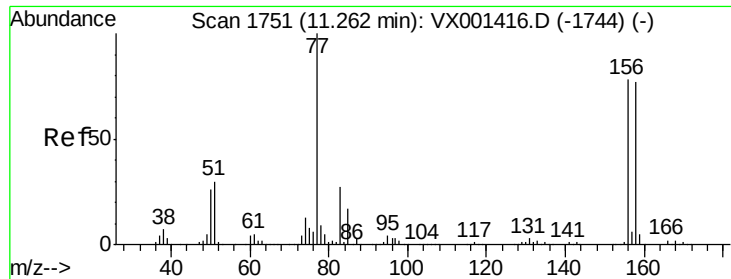
11.25

11.30

11.35

Time-->





#77

Bromobenzene

Concen: 51.36 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. 0.00 min

Lab File: VX001459.D

Acq: 06 May 2018 21:57

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

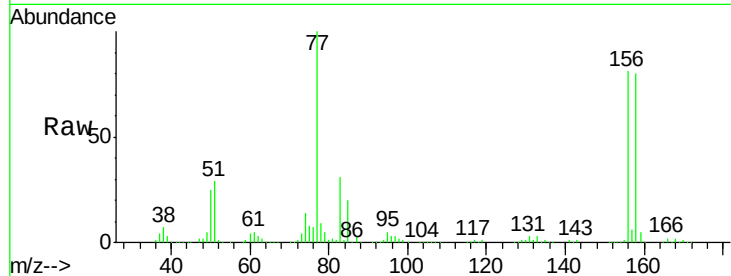
Tgt Ion:156 Resp: 249605

Ion Ratio Lower Upper

156 100

77 131.7 66.0 198.2

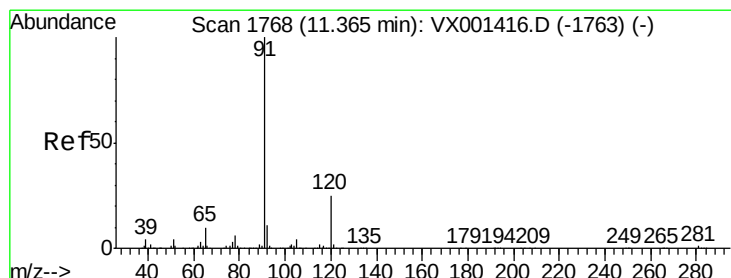
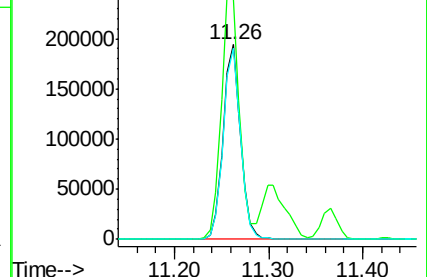
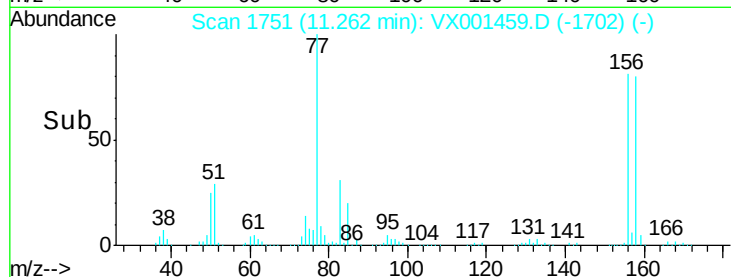
158 97.4 49.4 148.2



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: 53.27 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VX001459.D

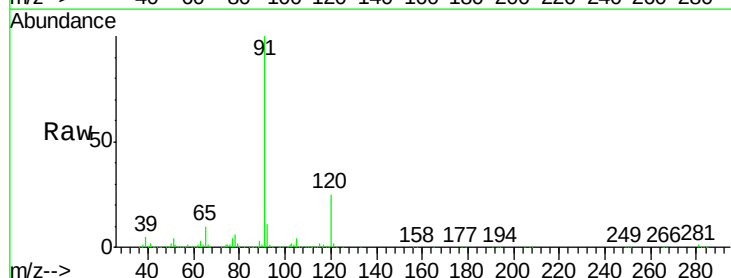
Acq: 06 May 2018 21:57

Tgt Ion: 91 Resp: 969690

Ion Ratio Lower Upper

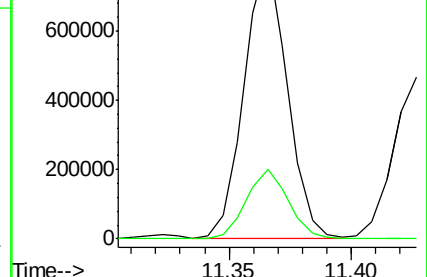
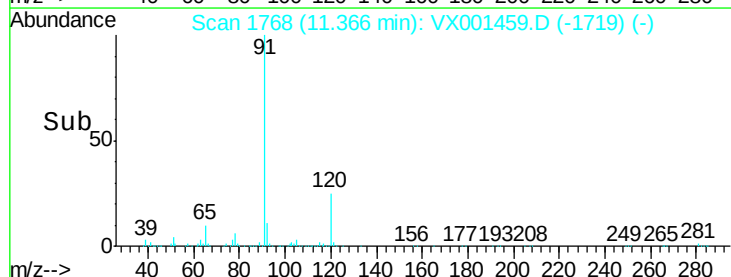
91 100

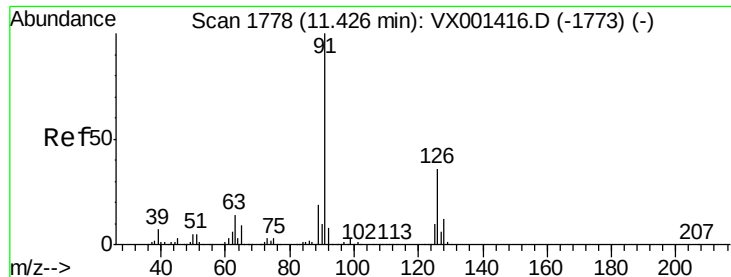
120 24.9 12.5 37.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.66 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX001459.D

Acq: 06 May 2018 21:57

Instrument :

MSVOA_X

ClientSampleId :

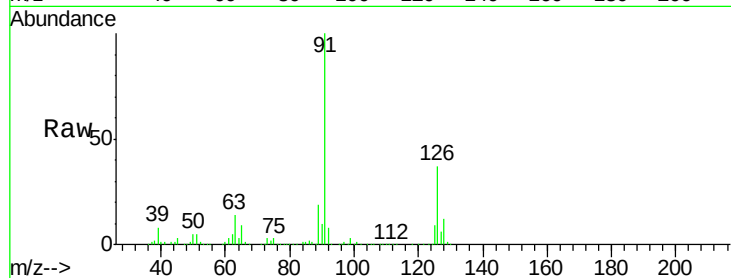
VSTDCCC050EC

Tgt Ion: 91 Resp: 578724

Ion Ratio Lower Upper

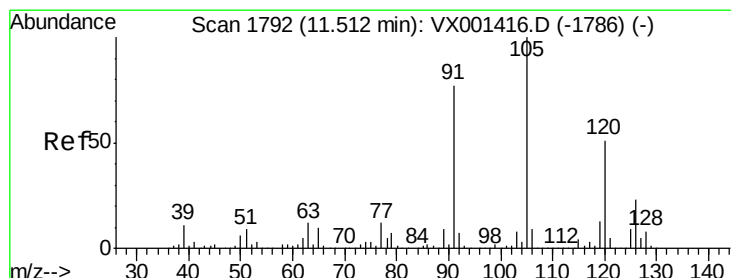
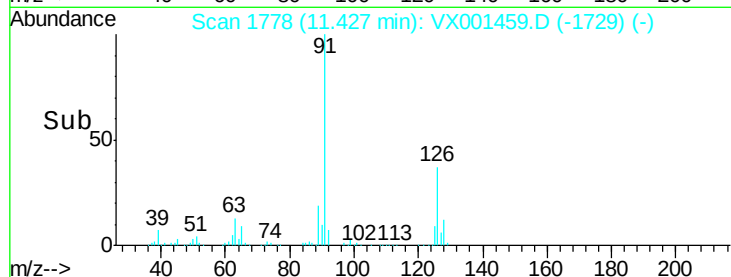
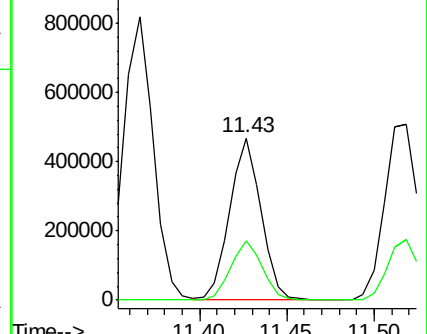
91 100

126 37.1 18.1 54.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 52.88 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX001459.D

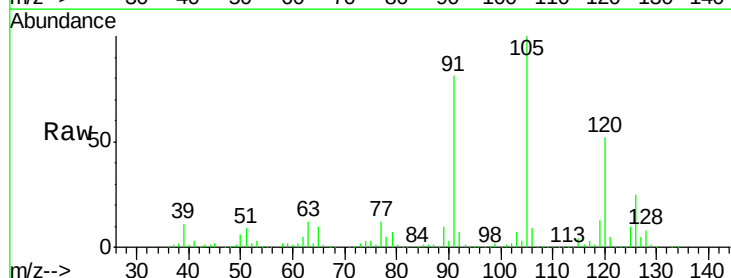
Acq: 06 May 2018 21:57

Tgt Ion: 105 Resp: 736007

Ion Ratio Lower Upper

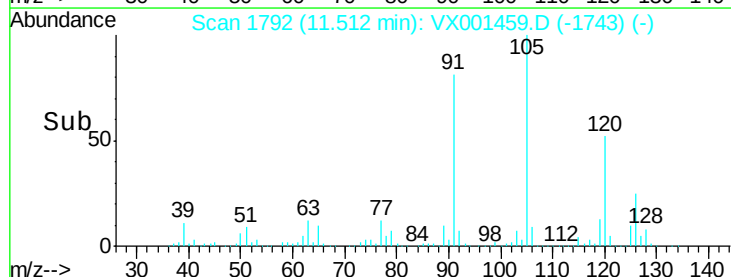
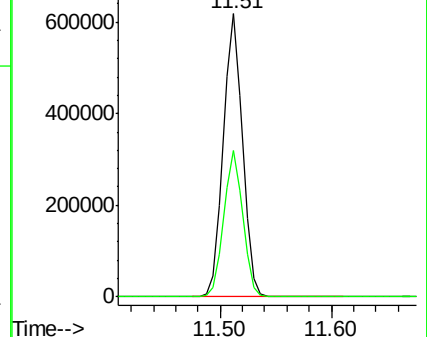
105 100

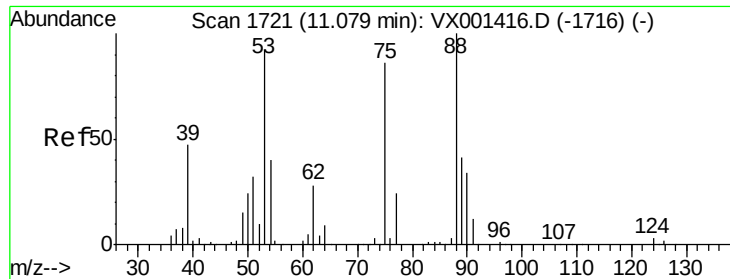
120 51.2 25.7 77.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

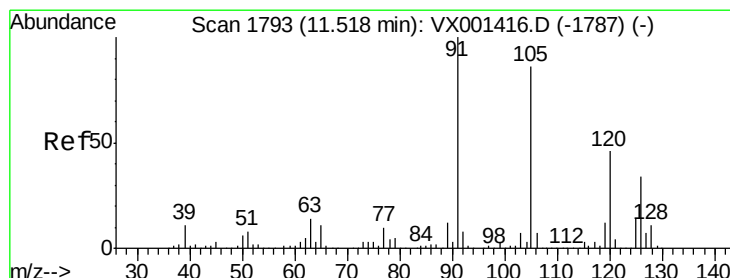
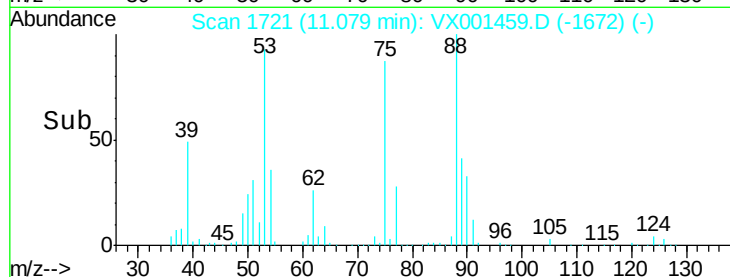
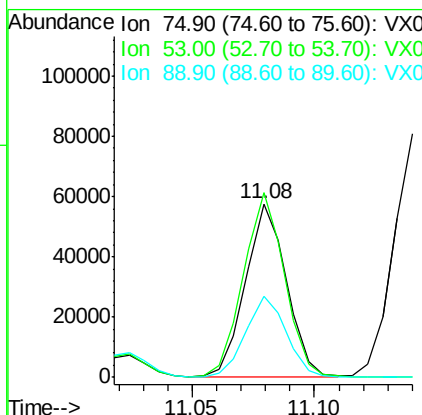
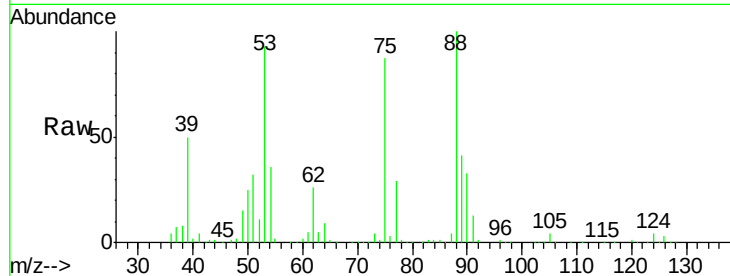




#81
 trans-1,4-Dichloro-2-butene
 Concen: 43.92 ug/l
 RT: 11.08 min Scan# 1721
 Delta R.T. 0.00 min
 Lab File: VX001459.D
 Acq: 06 May 2018 21:57

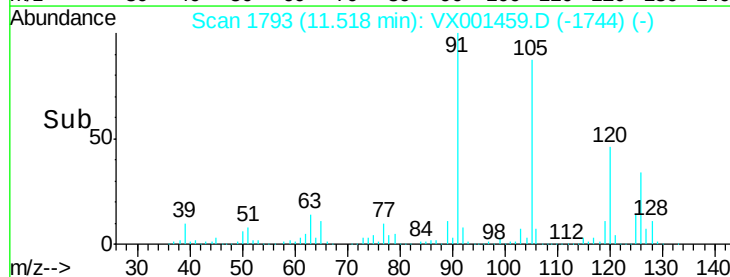
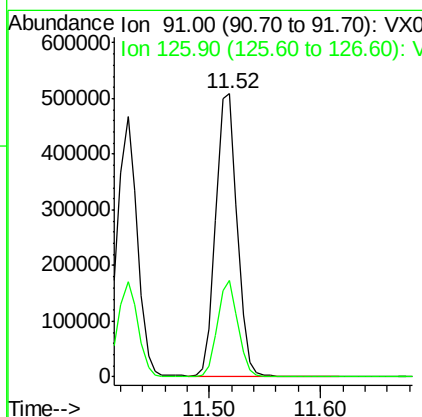
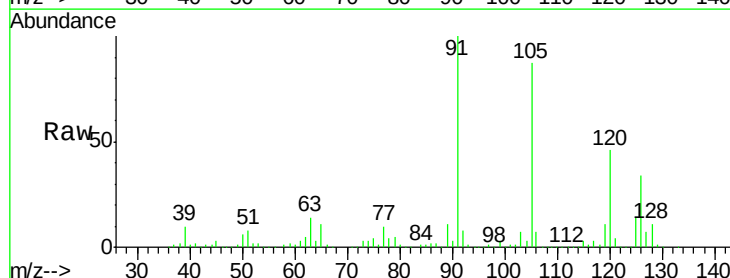
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

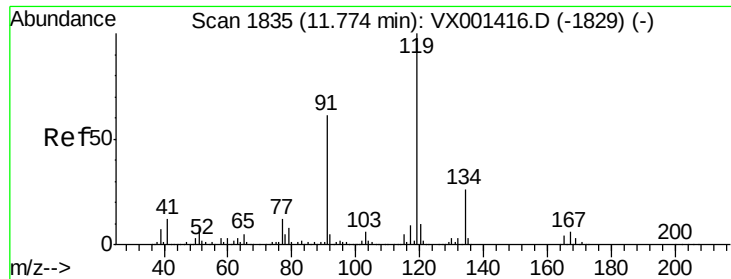
Tgt Ion: 75 Resp: 66588
 Ion Ratio Lower Upper
 75 100
 53 107.4 84.5 126.7
 89 47.2 39.5 59.3



#82
 4-Chlorotoluene
 Concen: 52.48 ug/l
 RT: 11.52 min Scan# 1793
 Delta R.T. 0.00 min
 Lab File: VX001459.D
 Acq: 06 May 2018 21:57

Tgt Ion: 91 Resp: 678237
 Ion Ratio Lower Upper
 91 100
 126 32.3 16.2 48.5

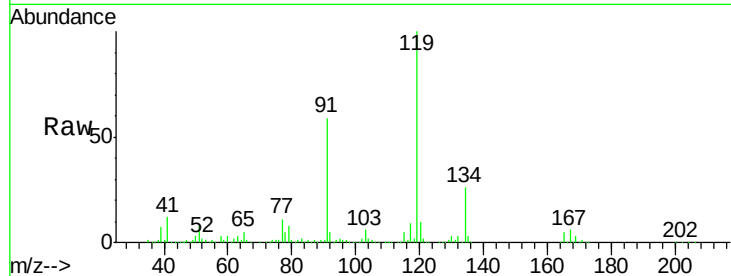




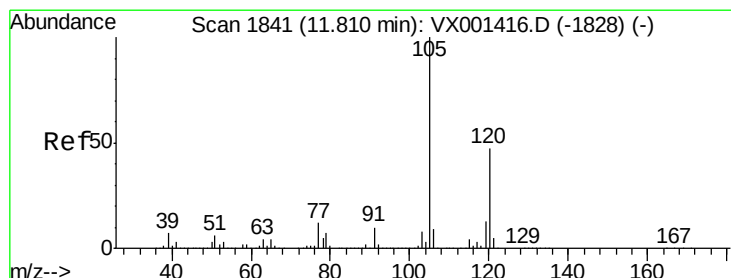
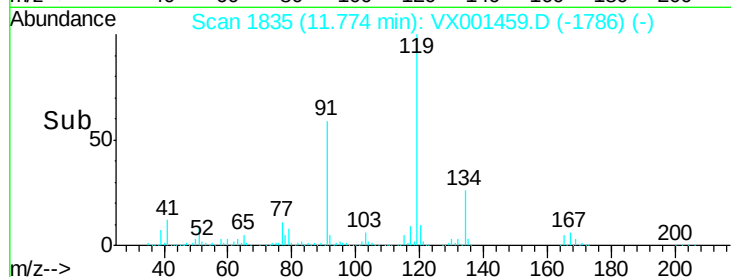
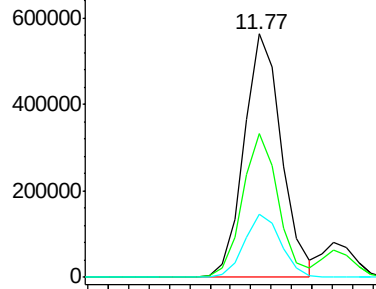
#83
 tert-Butylbenzene
 Concen: 51.93 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX001459.D
 Acq: 06 May 2018 21:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion:119 Resp: 719233
 Ion Ratio Lower Upper
 119 100
 91 56.7 27.8 83.3
 134 25.3 12.4 37.0

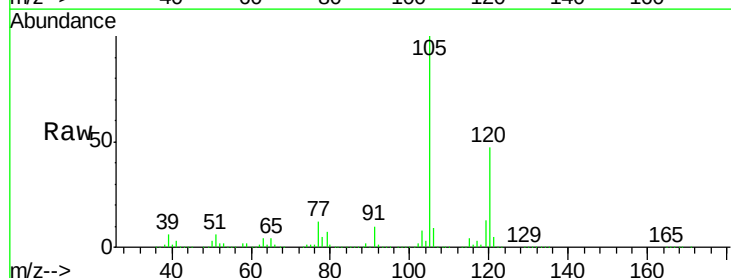


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VX0
 Ion 134.00 (133.70 to 134.70): V

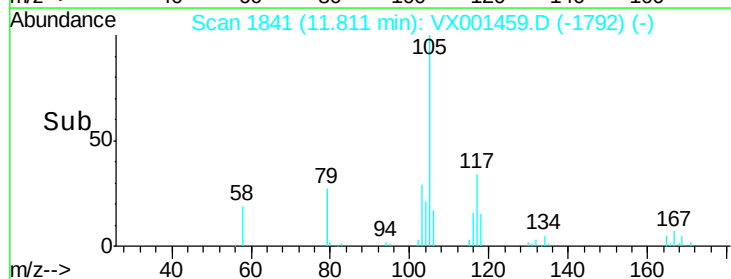
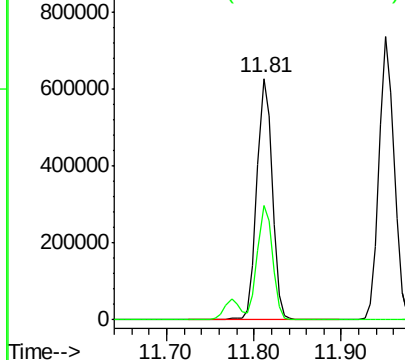


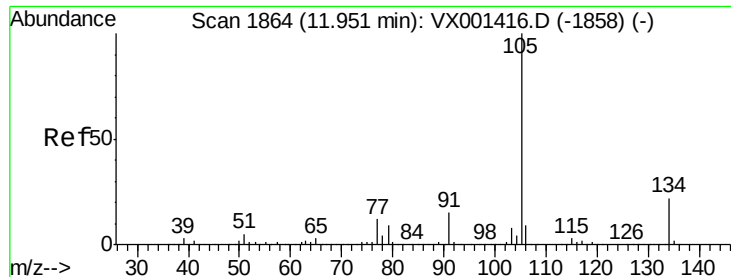
#84
 1,2,4-Trimethylbenzene
 Concen: 53.06 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX001459.D
 Acq: 06 May 2018 21:57

Tgt Ion:105 Resp: 758963
 Ion Ratio Lower Upper
 105 100
 120 46.7 23.4 70.2



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

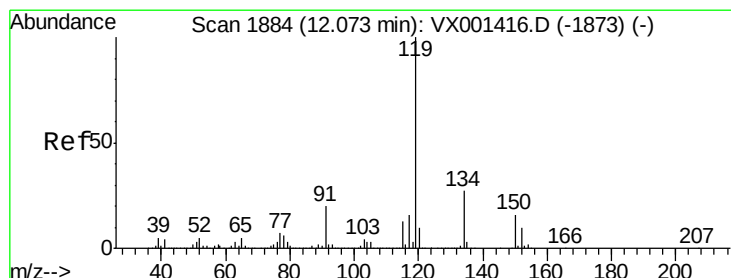
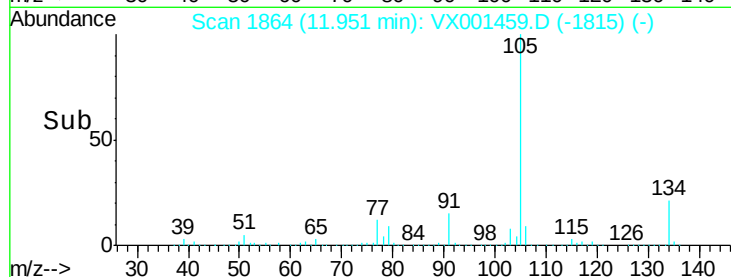
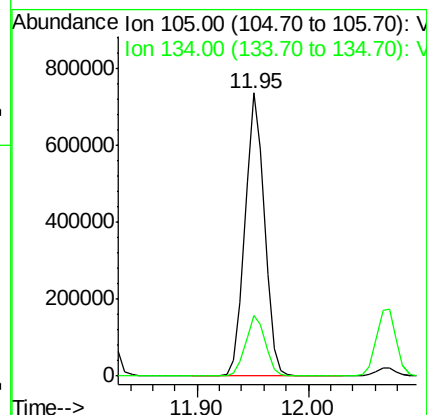
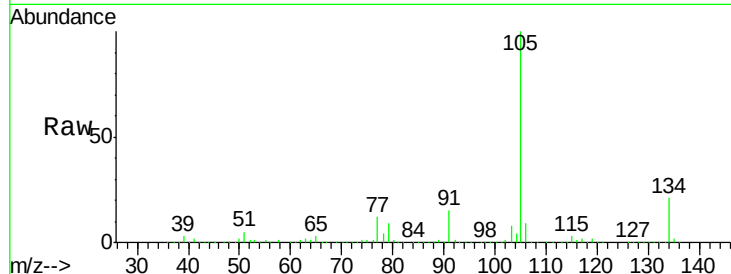




#85
 sec-Butylbenzene
 Concen: 53.35 ug/l
 RT: 11.95 min Scan# 1864
 Delta R.T. 0.00 min
 Lab File: VX001459.D
 Acq: 06 May 2018 21:57

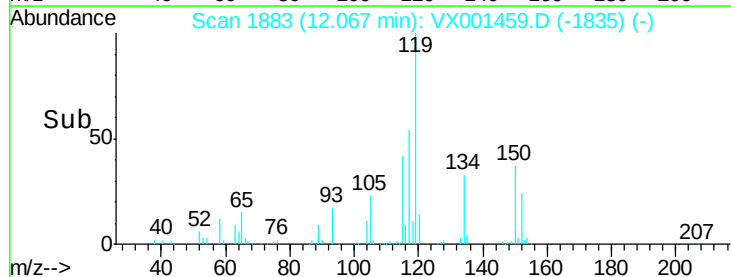
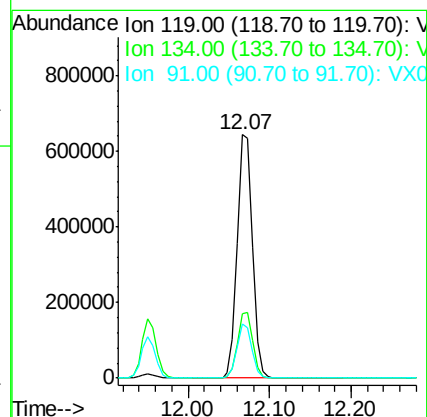
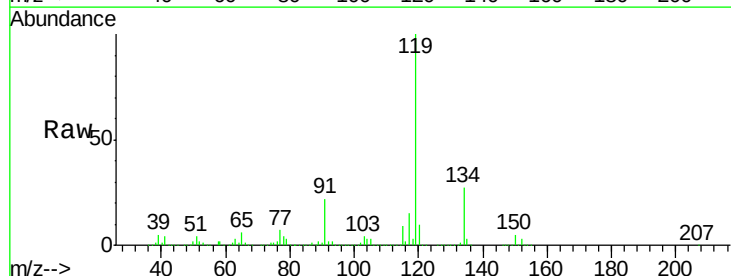
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

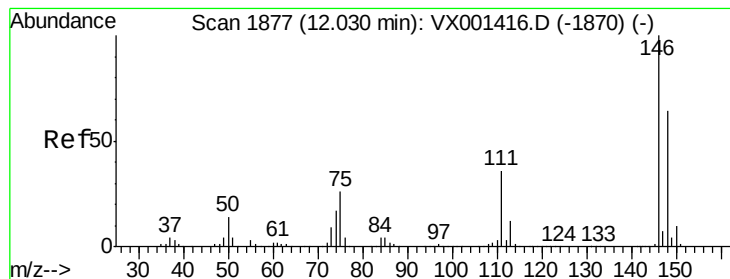
Tgt Ion:105 Resp: 886827
 Ion Ratio Lower Upper
 105 100
 134 21.7 10.9 32.9



#86
 p-Isopropyltoluene
 Concen: 53.48 ug/l
 RT: 12.07 min Scan# 1883
 Delta R.T. -0.01 min
 Lab File: VX001459.D
 Acq: 06 May 2018 21:57

Tgt Ion:119 Resp: 815591
 Ion Ratio Lower Upper
 119 100
 134 27.0 13.6 40.8
 91 21.6 10.8 32.3





#87

1,3-Dichlorobenzene

Concen: 51.74 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VX001459.D

Acq: 06 May 2018 21:57

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

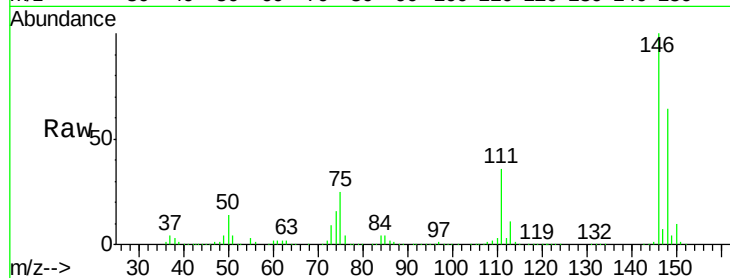
Tgt Ion:146 Resp: 449510

Ion Ratio Lower Upper

146 100

111 35.5 18.1 54.1

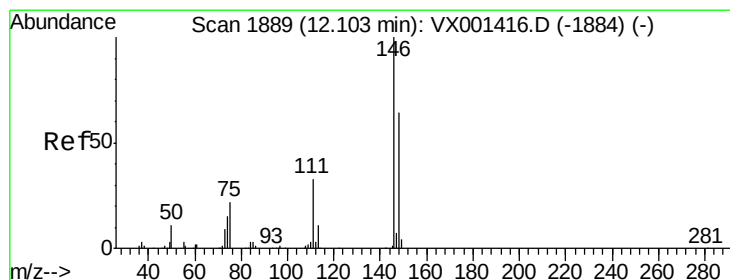
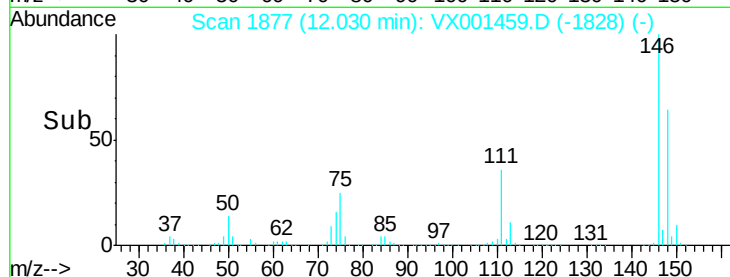
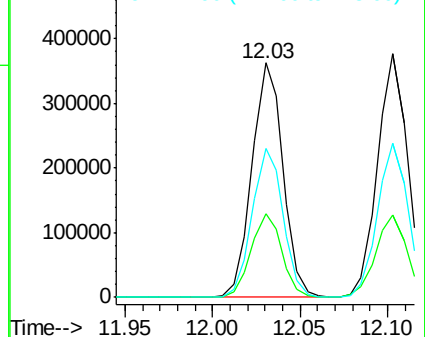
148 63.4 32.1 96.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 50.97 ug/l

RT: 12.10 min Scan# 1889

Delta R.T. 0.00 min

Lab File: VX001459.D

Acq: 06 May 2018 21:57

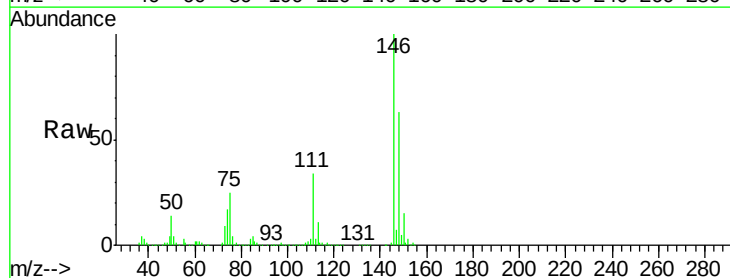
Tgt Ion:146 Resp: 451653

Ion Ratio Lower Upper

146 100

111 34.9 17.4 52.3

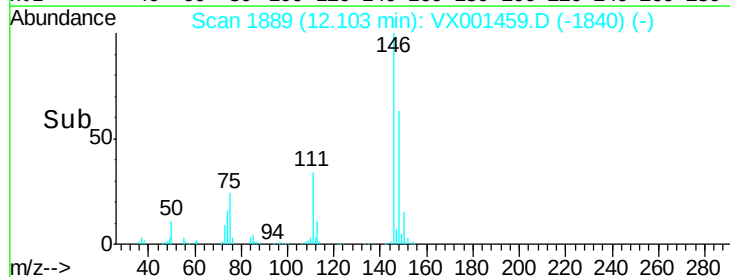
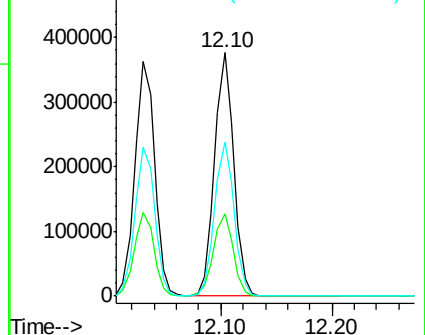
148 64.3 32.2 96.6

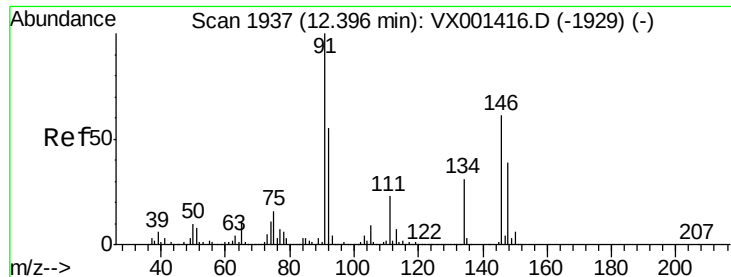


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

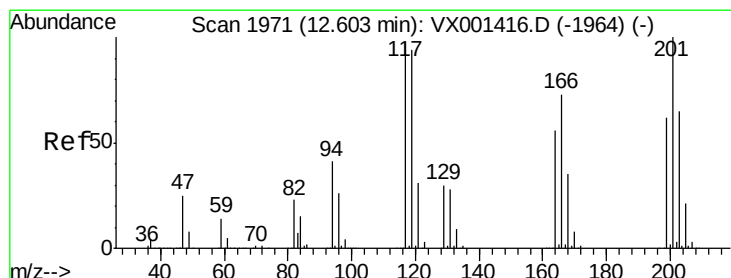
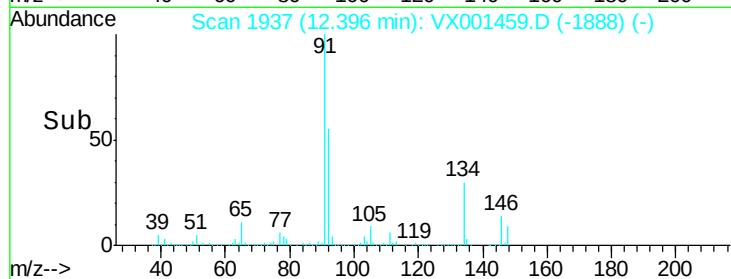
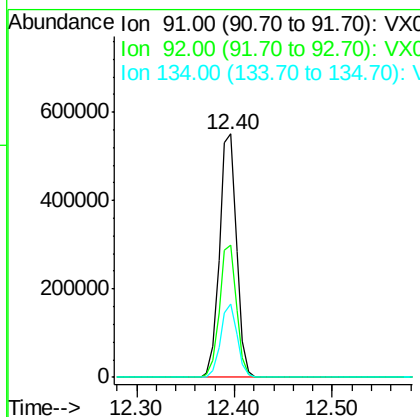
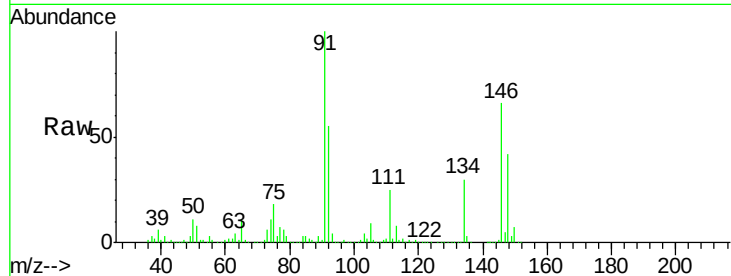




#89
n-Butylbenzene
Concen: 52.51 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VX001459.D
Acq: 06 May 2018 21:57

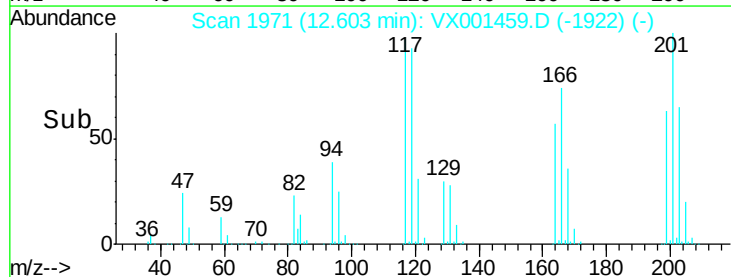
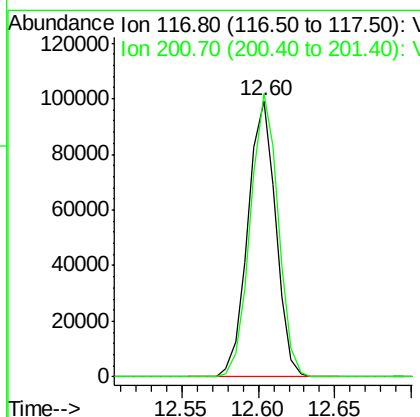
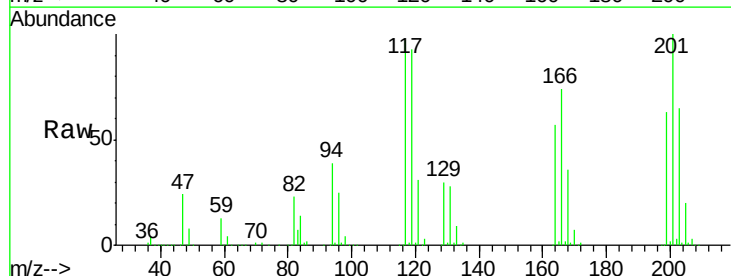
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

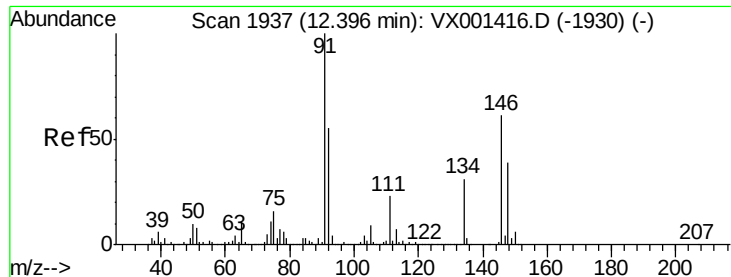
Tgt Ion: 91 Resp: 663430
Ion Ratio Lower Upper
91 100
92 54.3 27.2 81.5
134 29.3 14.6 44.0



#90
Hexachloroethane
Concen: 54.67 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VX001459.D
Acq: 06 May 2018 21:57

Tgt Ion: 117 Resp: 125519
Ion Ratio Lower Upper
117 100
201 102.3 51.5 154.5

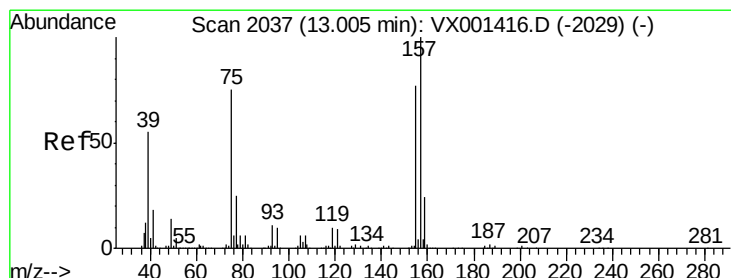
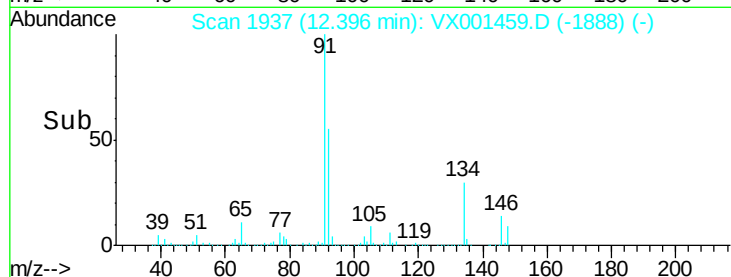
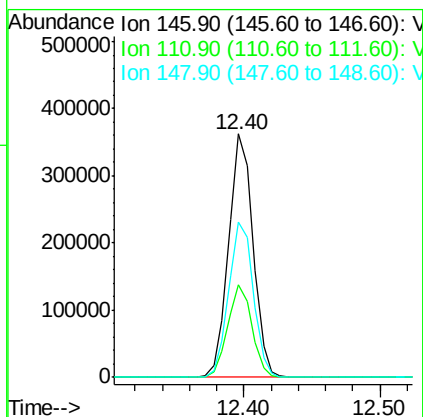
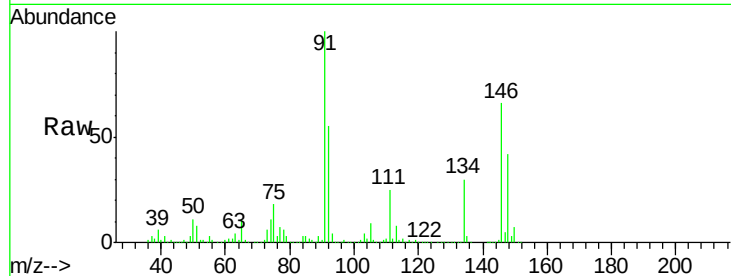




#91
 1,2-Dichlorobenzene
 Concen: 51.13 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX001459.D
 Acq: 06 May 2018 21:57

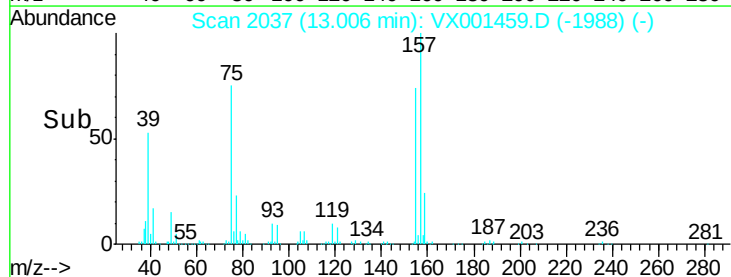
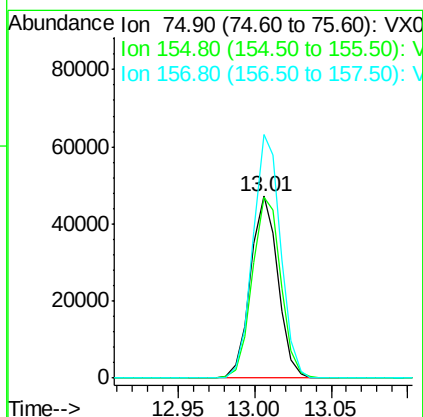
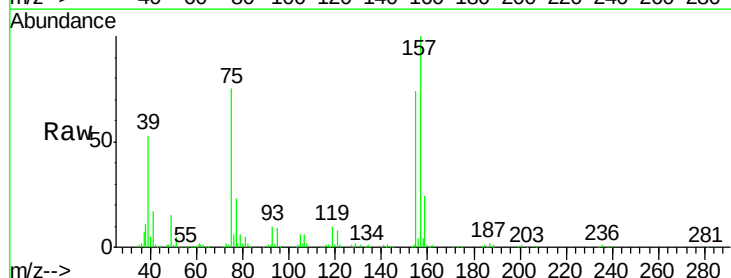
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

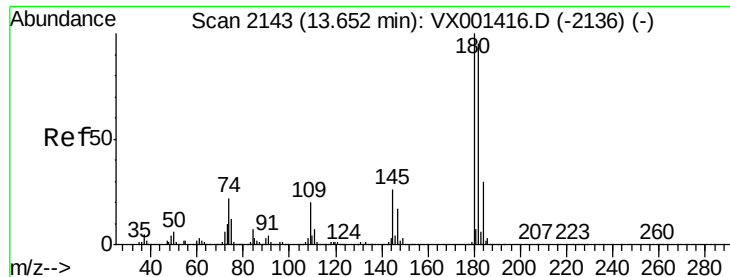
Tgt Ion: 146 Resp: 451943
 Ion Ratio Lower Upper
 146 100
 111 37.8 18.6 55.8
 148 64.7 32.1 96.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.17 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VX001459.D
 Acq: 06 May 2018 21:57

Tgt Ion: 75 Resp: 58760
 Ion Ratio Lower Upper
 75 100
 155 103.4 53.4 160.2
 157 135.3 68.3 204.8

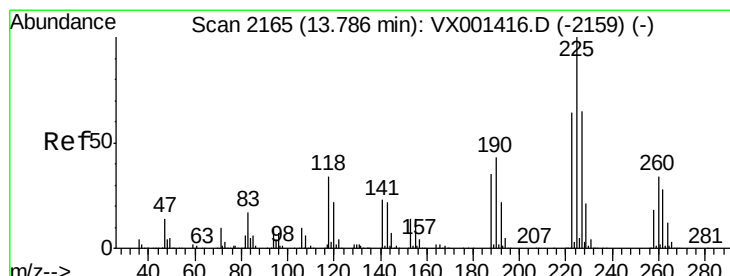
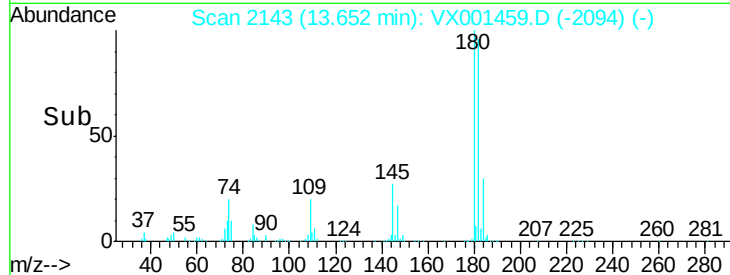
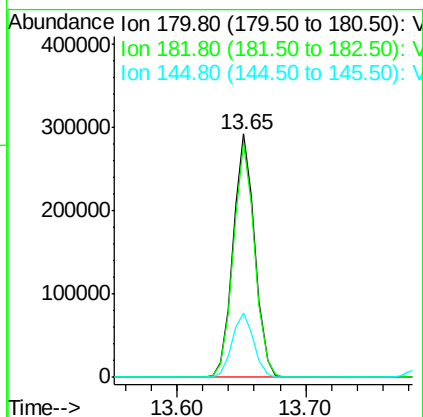
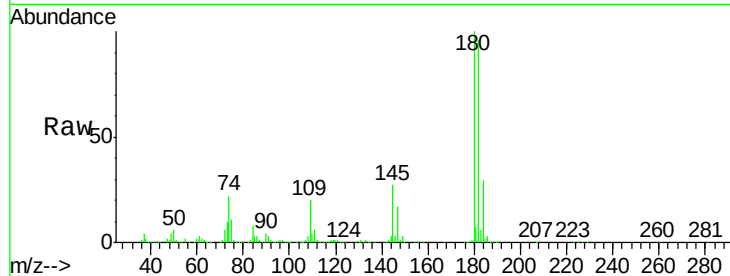




#93
 1,2,4-Trichlorobenzene
 Concen: 52.75 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX001459.D
 Acq: 06 May 2018 21:57

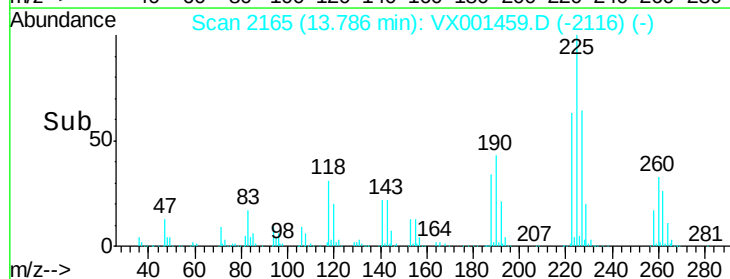
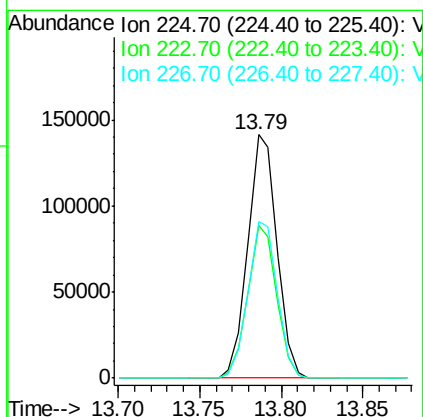
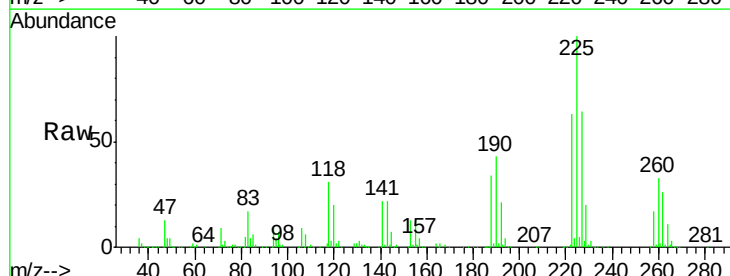
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

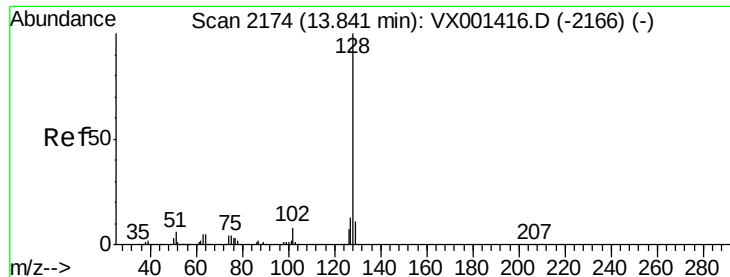
Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.8	143.4
145	26.7	13.3	39.9



#94
 Hexachlorobutadiene
 Concen: 49.95 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX001459.D
 Acq: 06 May 2018 21:57

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.1	31.3	93.9
227	64.7	32.4	97.2

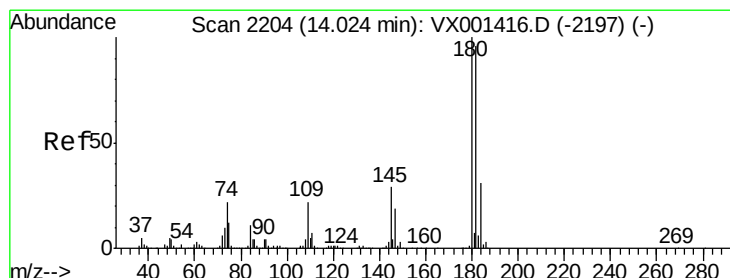
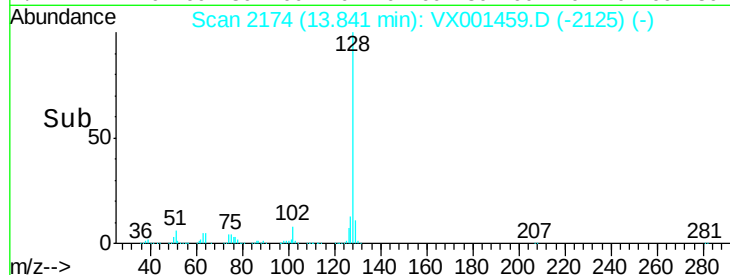
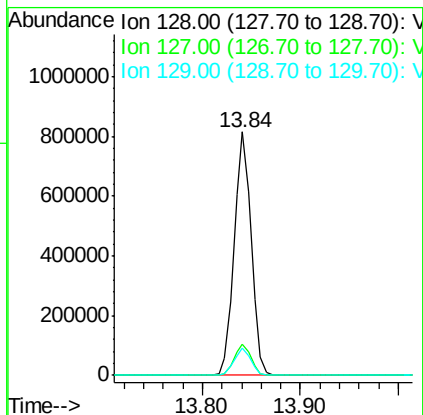
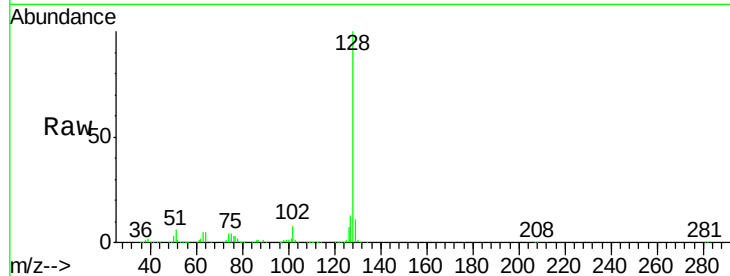




#95
Naphthalene
Concen: 54.79 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. 0.00 min
Lab File: VX001459.D
Acq: 06 May 2018 21:57

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 980064
Ion Ratio Lower Upper
128 100
127 12.8 10.4 15.6
129 11.0 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 52.90 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. 0.00 min
Lab File: VX001459.D
Acq: 06 May 2018 21:57

Tgt Ion:180 Resp: 351113
Ion Ratio Lower Upper
180 100
182 95.1 48.0 144.2
145 28.7 14.1 42.4

