

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX051118\
 Data File : VX001636.D
 Acq On : 11 May 2018 13:08
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Quant Time: May 12 03:32:21 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	258406	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	322716	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	302195	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	221504	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	161765	43.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.10%	
35) Dibromofluoromethane	5.51	113	137082	47.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.52%	
50) Toluene-d8	8.72	98	492679	47.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.04%	
62) 4-Bromofluorobenzene	11.14	95	186869	46.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.92%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	170423	48.99	ug/l	98
3) Chloromethane	1.32	50	153069	45.18	ug/l	100
4) Vinyl Chloride	1.41	62	167535	47.38	ug/l	99
5) Bromomethane	1.64	94	72548	44.45	ug/l	100
6) Chloroethane	1.71	64	110325	47.21	ug/l	100
7) Trichlorofluoromethane	1.93	101	261100	49.07	ug/l	99
8) Diethyl Ether	2.19	74	100930	48.39	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.39	101	160389	51.41	ug/l	99
10) Methyl Iodide	2.51	142	159185	35.36	ug/l	99
11) Tert butyl alcohol	3.08	59	171216	218.64	ug/l	100
12) 1,1-Dichloroethene	2.37	96	139255	48.70	ug/l	99
13) Acrolein	2.30	56	23546	147.76	ug/l	98
14) Allyl chloride	2.73	41	263759	49.47	ug/l	100
15) Acrylonitrile	3.15	53	402493	227.46	ug/l	100
16) Acetone	2.45	43	406497	241.03	ug/l	98
17) Carbon Disulfide	2.57	76	338108	46.46	ug/l	100
18) Methyl Acetate	2.78	43	222727	50.27	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	494334	49.65	ug/l	97
20) Methylene Chloride	2.85	84	154825	46.37	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	149401	46.82	ug/l	99
22) Diisopropyl ether	3.87	45	514486	51.65	ug/l	97
23) Vinyl Acetate	3.83	43	2131789	256.80	ug/l	100
24) 1,1-Dichloroethane	3.70	63	280853	50.47	ug/l	99
25) 2-Butanone	4.71	43	586534	240.59	ug/l	99
26) 2,2-Dichloropropane	4.59	77	242567	56.45	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	173091	50.93	ug/l	98
28) Bromochloromethane	5.03	49	118547	49.14	ug/l	99
29) Tetrahydrofuran	5.17	42	355543	227.94	ug/l	100
30) Chloroform	5.22	83	297060	51.83	ug/l	99
31) Cyclohexane	5.57	56	248581	52.01	ug/l	95
32) 1,1,1-Trichloroethane	5.50	97	266531	53.21	ug/l	98
36) 1,1-Dichloropropene	5.80	75	216033	52.63	ug/l	99
37) Ethyl Acetate	4.87	43	218829	48.63	ug/l	100
38) Carbon Tetrachloride	5.79	117	241924	55.26	ug/l	99

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 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)
39) Methylcyclohexane	7.46	83	268099	55.24	ug/l	99
40) Benzene	6.15	78	639116	53.30	ug/l	98
41) Methacrylonitrile	5.07	41	128118	49.76	ug/l	99
42) 1,2-Dichloroethane	6.20	62	240759	52.24	ug/l	100
43) Isopropyl Acetate	6.47	43	363300	52.59	ug/l	99
44) Trichloroethene	7.22	130	195770	53.42	ug/l	100
45) 1,2-Dichloropropane	7.52	63	160736	53.77	ug/l	99
46) Dibromomethane	7.66	93	109591	51.79	ug/l	99
47) Bromodichloromethane	7.90	83	221456	56.55	ug/l	99
48) Methyl methacrylate	7.78	41	193153	51.35	ug/l	99
49) 1,4-Dioxane	7.76	88	77646	955.46	ug/l	99
51) 4-Methyl-2-Pentanone	8.66	43	1173073	255.55	ug/l	100
52) Toluene	8.79	92	428400	54.64	ug/l	100
53) t-1,3-Dichloropropene	8.44	75	260136	58.77	ug/l	97
54) cis-1,3-Dichloropropene	9.05	75	243808	53.13	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	171668	54.35	ug/l	98
56) Ethyl methacrylate	9.19	69	252182	55.39	ug/l	100
57) 1,3-Dichloropropane	9.38	76	269945	51.69	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	626595	280.58	ug/l	100
59) 2-Hexanone	9.51	43	881143	250.67	ug/l	99
60) Dibromochloromethane	9.59	129	182350	56.37	ug/l	99
61) 1,2-Dibromoethane	9.68	107	173468	52.31	ug/l	99
64) Tetrachloroethene	9.34	164	230373	54.69	ug/l	98
65) Chlorobenzene	10.14	112	475417	53.64	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	179619	56.66	ug/l	100
67) Ethyl Benzene	10.26	91	795259	54.75	ug/l	100
68) m/p-Xylenes	10.37	106	635633	110.74	ug/l	99
69) o-Xylene	10.70	106	310193	55.61	ug/l	100
70) Styrene	10.72	104	514937	56.82	ug/l	98
71) Bromoform	10.87	173	149785	49.19	ug/l	100
73) Isopropylbenzene	11.02	105	848492	55.33	ug/l	100
74) N-amyl acetate	6.47	43	363300	52.16	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	239133	52.80	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	279238	62.16	ug/l	88
77) Bromobenzene	11.26	156	235517	52.83	ug/l	99
78) n-propylbenzene	11.37	91	954445	57.16	ug/l	99
79) 2-Chlorotoluene	11.43	91	556491	54.16	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	710576	55.66	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	68618	48.81	ug/l	97
82) 4-Chlorotoluene	11.52	91	651730	54.98	ug/l	99
83) tert-Butylbenzene	11.77	119	705110	55.51	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	732436	55.82	ug/l	99
85) sec-Butylbenzene	11.95	105	876505	57.49	ug/l	100
86) p-Isopropyltoluene	12.07	119	813681	58.17	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	436393	54.76	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	439500	54.07	ug/l	100
89) n-Butylbenzene	12.40	91	680862	58.75	ug/l	100
90) Hexachloroethane	12.60	117	124770	59.24	ug/l	100
91) 1,2-Dichlorobenzene	12.40	146	436339	53.82	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	53660	53.93	ug/l	99

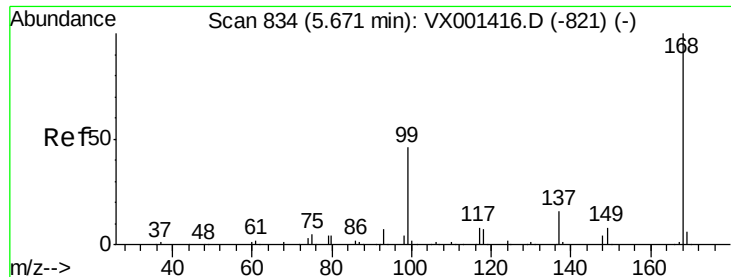
Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX051118\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	343600	57.91	ug/l	100
94) Hexachlorobutadiene	13.79	225	189658	58.42	ug/l	100
95) Naphthalene	13.84	128	917261	55.90	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	347892	57.15	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.01 min

Lab File: VX001636.D

Acq: 11 May 2018 13:08

Instrument :

MSVOA_X

ClientSampleId :

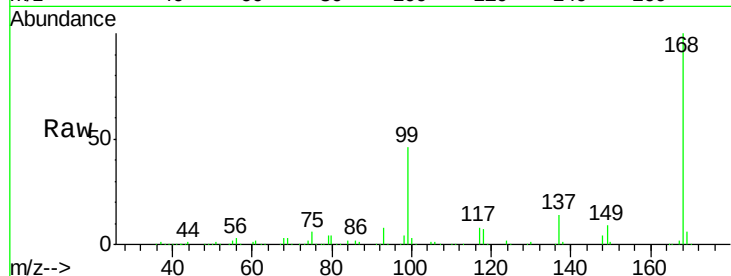
VSTDCCC050

Tgt Ion:168 Resp: 258406

Ion Ratio Lower Upper

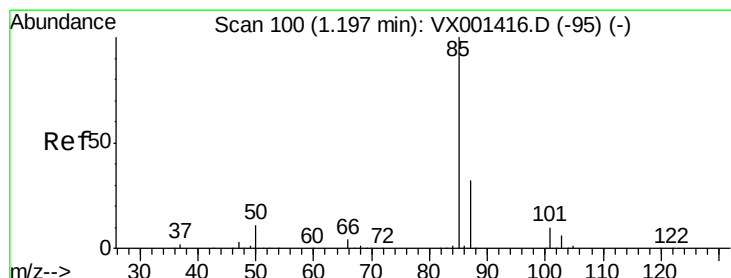
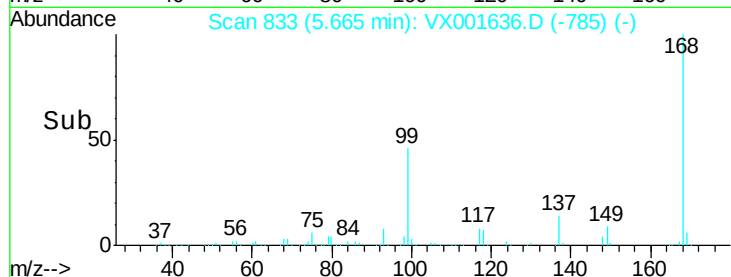
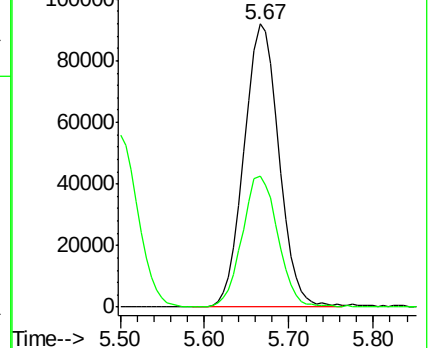
168 100

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



#2

Dichlorodifluoromethane

Concen: 48.99 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX001636.D

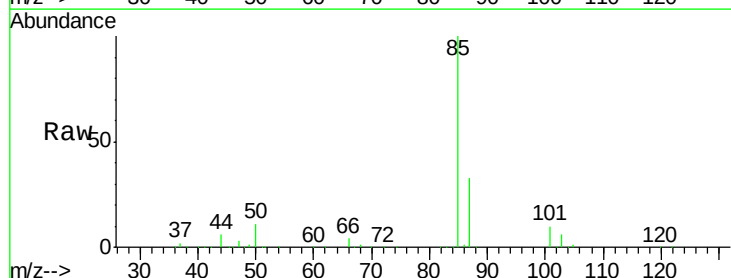
Acq: 11 May 2018 13:08

Tgt Ion: 85 Resp: 170423

Ion Ratio Lower Upper

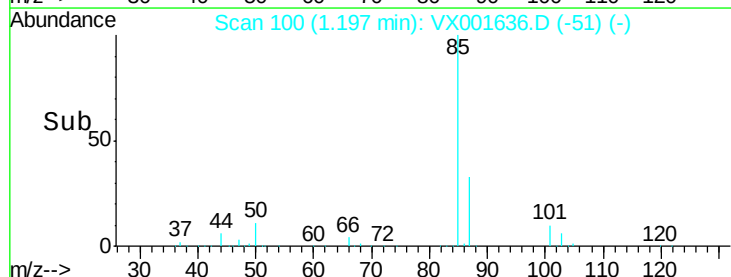
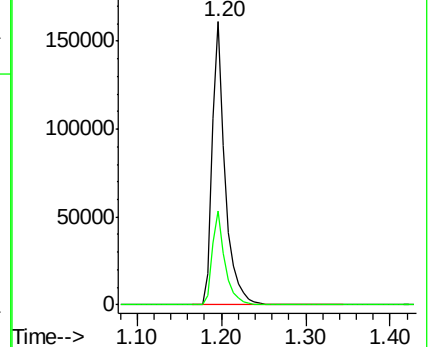
85 100

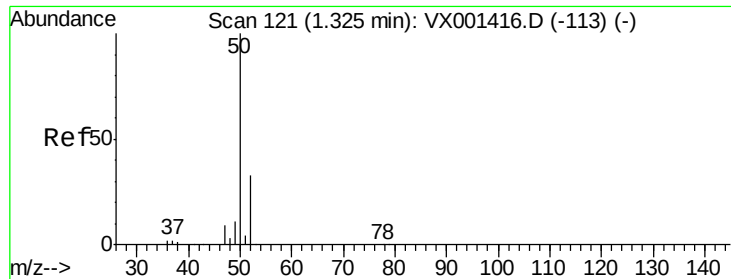
87 33.3 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 45.18 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX001636.D

Acq: 11 May 2018 13:08

Instrument :

MSVOA_X

ClientSampleId :

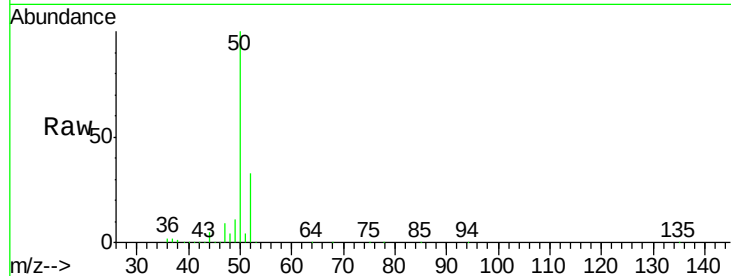
VSTDCCC050

Tgt Ion: 50 Resp: 153069

Ion Ratio Lower Upper

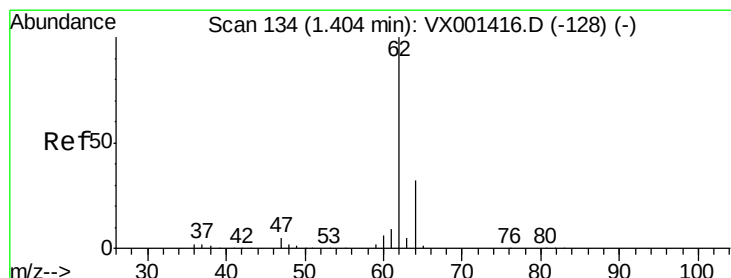
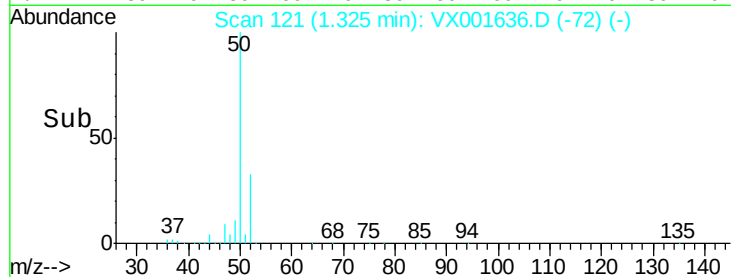
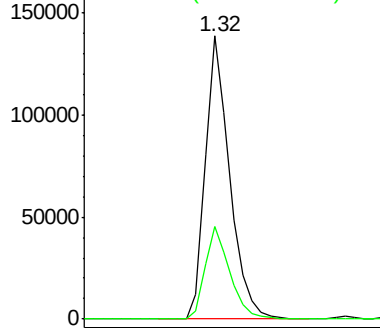
50 100

52 32.7 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: 47.38 ug/l

RT: 1.41 min Scan# 135

Delta R.T. 0.01 min

Lab File: VX001636.D

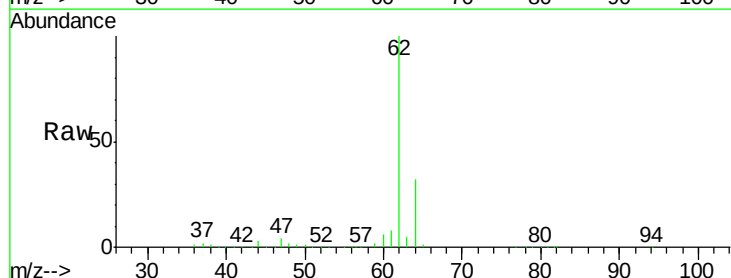
Acq: 11 May 2018 13:08

Tgt Ion: 62 Resp: 167535

Ion Ratio Lower Upper

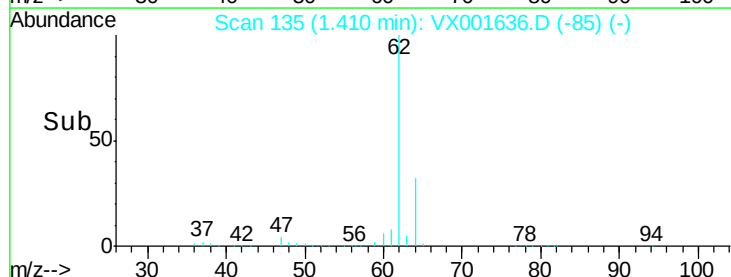
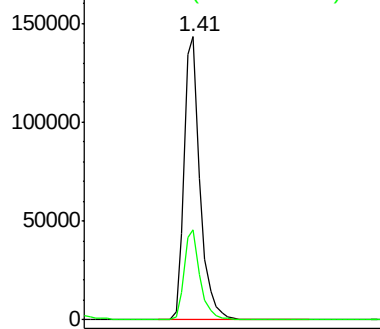
62 100

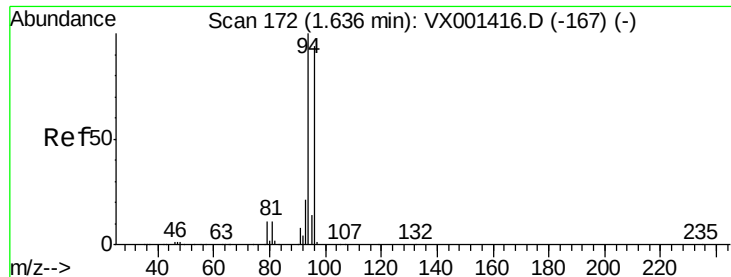
64 31.9 25.8 38.6



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 44.45 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX001636.D

Acq: 11 May 2018 13:08

Instrument :

MSVOA_X

ClientSampleId :

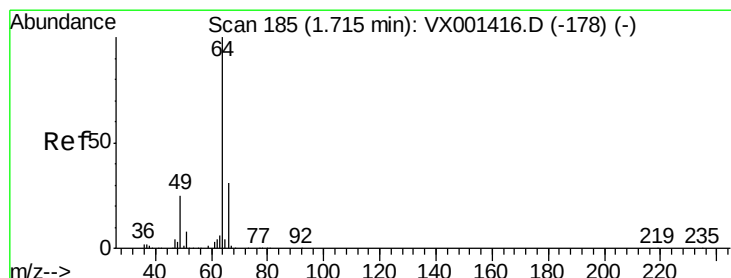
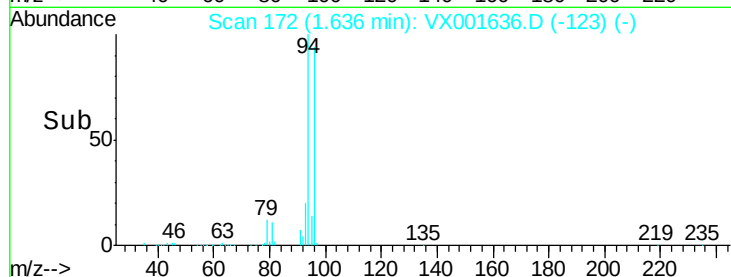
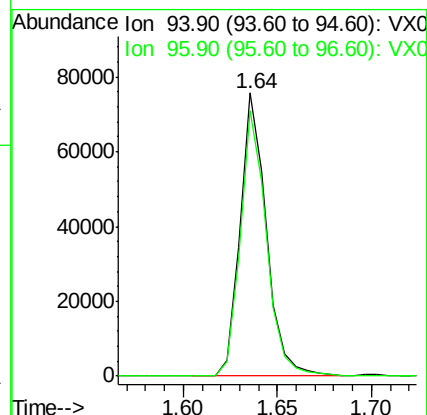
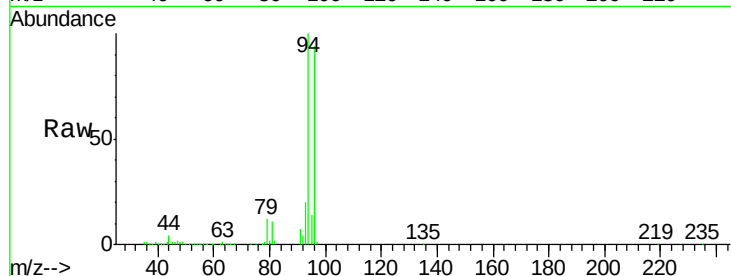
VSTDCCC050

Tgt Ion: 94 Resp: 72548

Ion Ratio Lower Upper

94 100

96 93.8 75.0 112.6



#6

Chloroethane

Concen: 47.21 ug/l

RT: 1.71 min Scan# 185

Delta R.T. 0.00 min

Lab File: VX001636.D

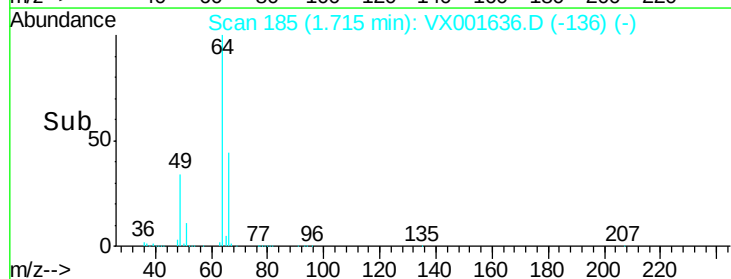
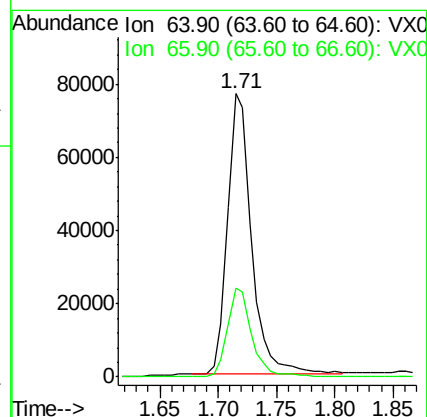
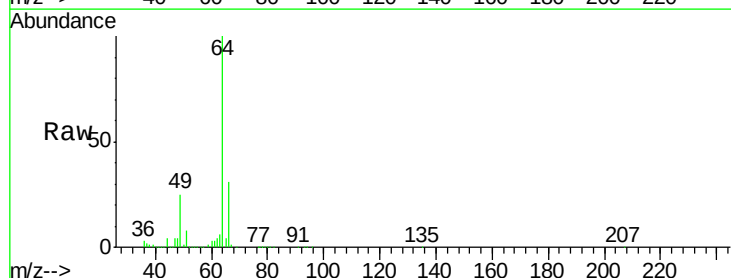
Acq: 11 May 2018 13:08

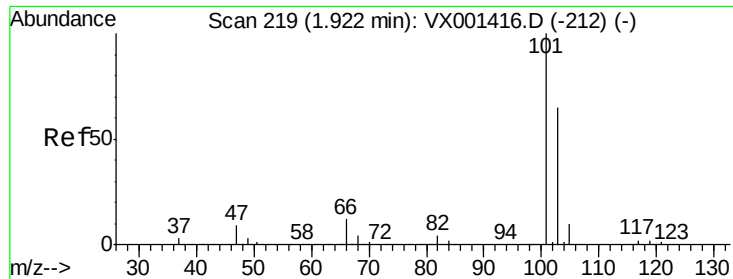
Tgt Ion: 64 Resp: 110325

Ion Ratio Lower Upper

64 100

66 31.5 25.1 37.7





#7

Trichlorofluoromethane

Concen: 49.07 ug/l

RT: 1.93 min Scan# 220

Delta R.T. 0.01 min

Lab File: VX001636.D

Acq: 11 May 2018 13:08

Instrument :

MSVOA_X

ClientSampleId :

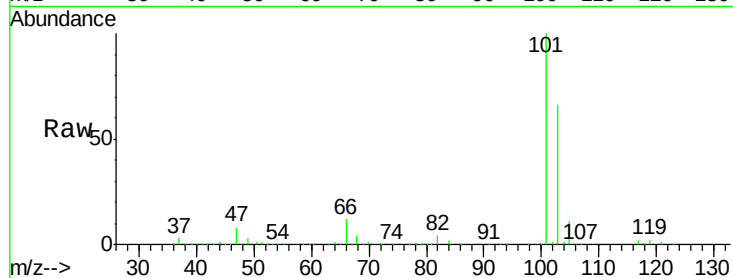
VSTDCCC050

Tgt Ion:101 Resp: 261100

Ion Ratio Lower Upper

101 100

103 66.0 52.0 78.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

1.93

200000

150000

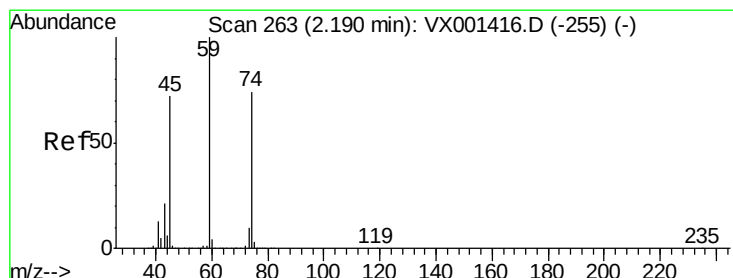
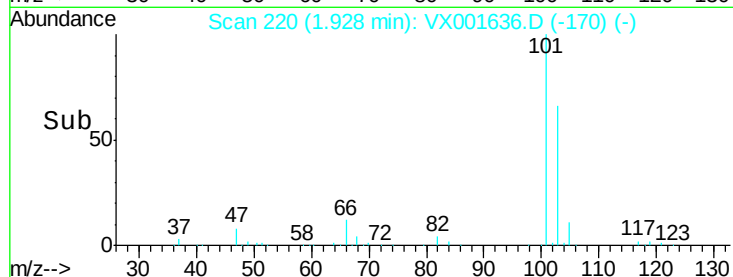
100000

50000

0

Time-->

1.80 1.90 2.00 2.10



#8

Diethyl Ether

Concen: 48.39 ug/l

RT: 2.19 min Scan# 263

Delta R.T. 0.00 min

Lab File: VX001636.D

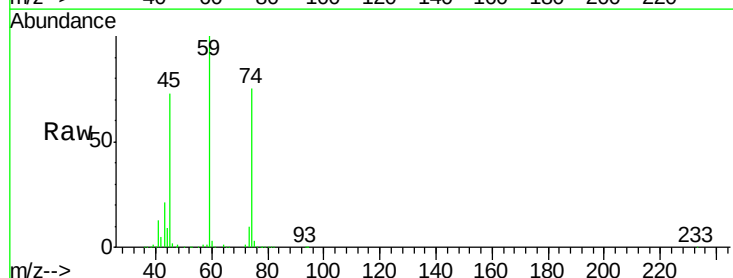
Acq: 11 May 2018 13:08

Tgt Ion: 74 Resp: 100930

Ion Ratio Lower Upper

74 100

45 97.6 47.9 143.6



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

2.19

80000

60000

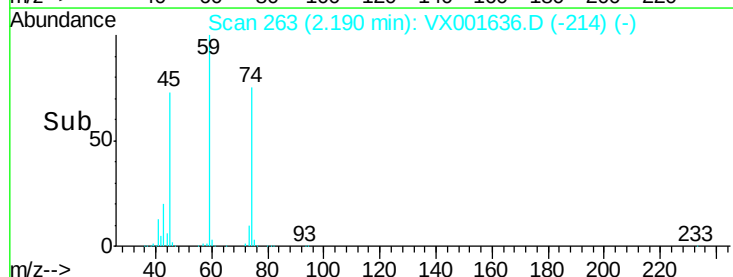
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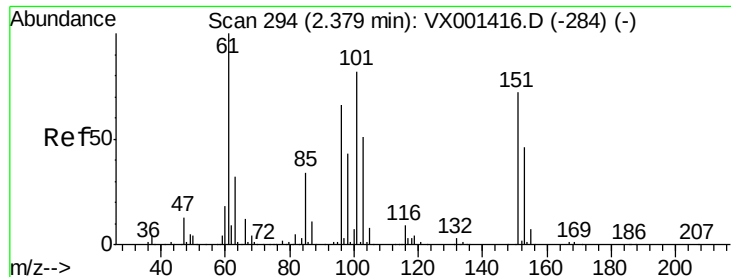
20000

0

Time-->

2.10 2.20 2.30





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.41 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.01 min

Lab File: VX001636.D

Acq: 11 May 2018 13:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

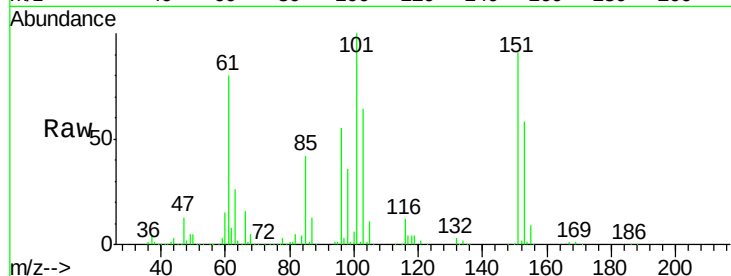
Tgt Ion:101 Resp: 160389

Ion Ratio Lower Upper

101 100

85 42.3 33.7 50.5

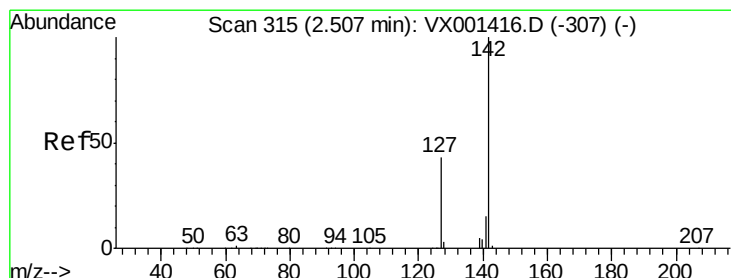
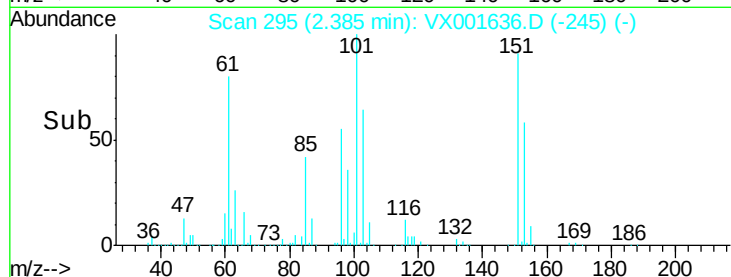
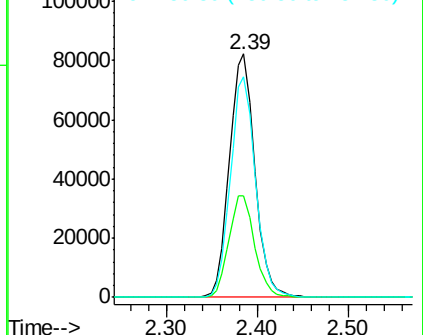
151 89.5 72.3 108.5



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: 35.36 ug/l

RT: 2.51 min Scan# 316

Delta R.T. 0.01 min

Lab File: VX001636.D

Acq: 11 May 2018 13:08

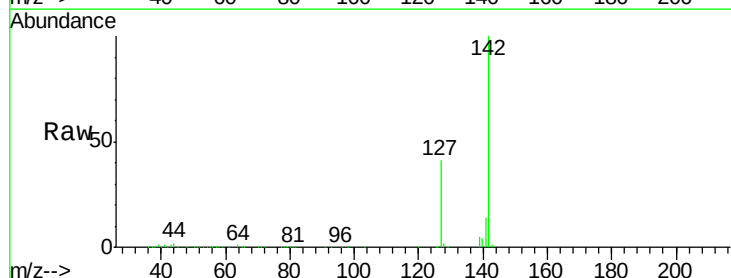
Tgt Ion:142 Resp: 159185

Ion Ratio Lower Upper

142 100

127 41.5 33.6 50.4

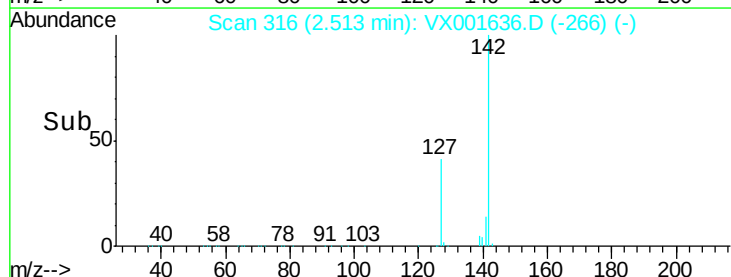
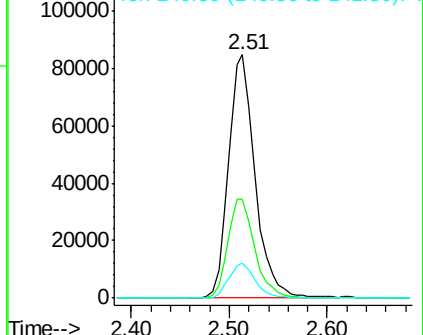
141 14.5 11.4 17.2

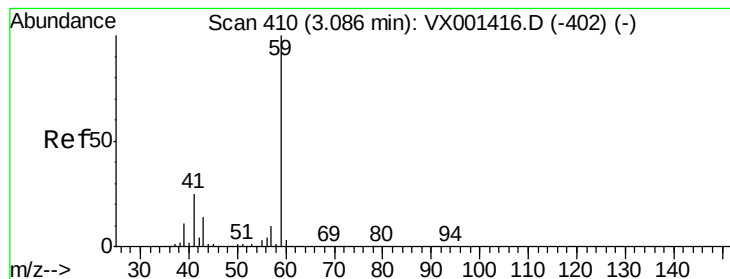


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 218.64 ug/l

RT: 3.08 min Scan# 409

Delta R.T. -0.01 min

Lab File: VX001636.D

Acq: 11 May 2018 13:08

Instrument :

MSVOA_X

ClientSampleId :

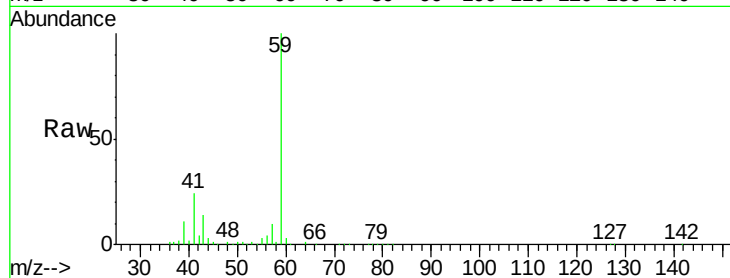
VSTDCCC050

Tgt Ion: 59 Resp: 171216

Ion Ratio Lower Upper

59 100

57 10.1 8.2 12.4



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.08

80000

60000

40000

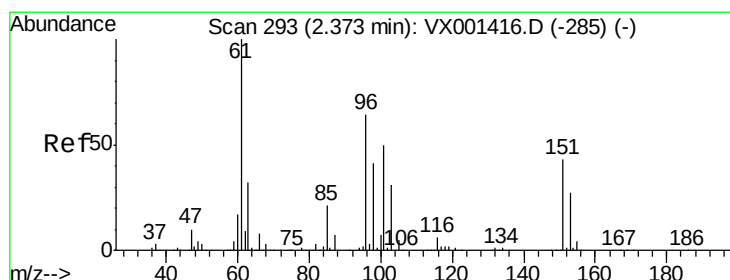
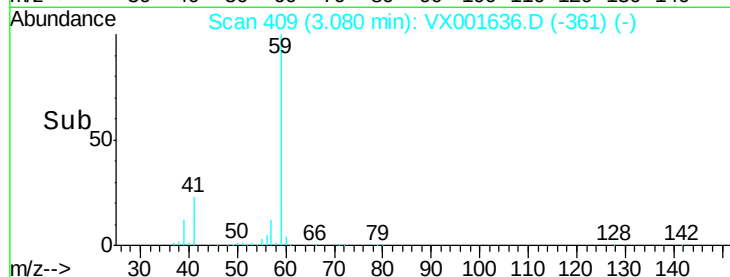
20000

0

Time-->

2.90 3.00 3.10

3.08



#12

1,1-Dichloroethene

Concen: 48.70 ug/l

RT: 2.37 min Scan# 293

Delta R.T. 0.00 min

Lab File: VX001636.D

Acq: 11 May 2018 13:08

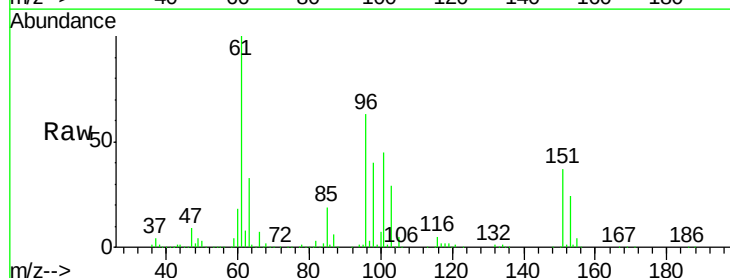
Tgt Ion: 96 Resp: 139255

Ion Ratio Lower Upper

96 100

61 158.3 125.7 188.5

98 63.7 52.0 78.0



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

150000

100000

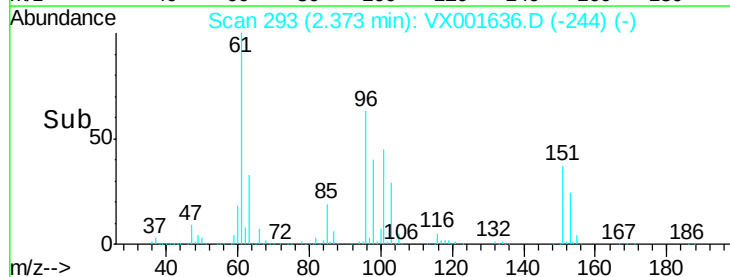
50000

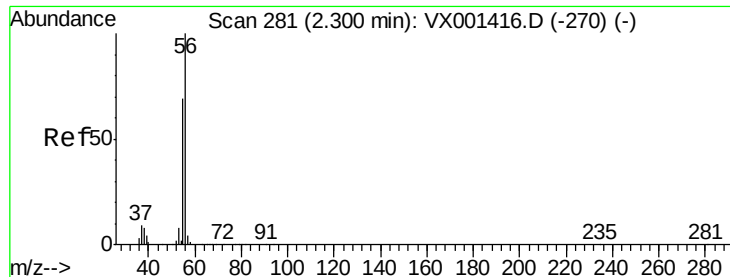
0

Time-->

2.30 2.40 2.50

2.37

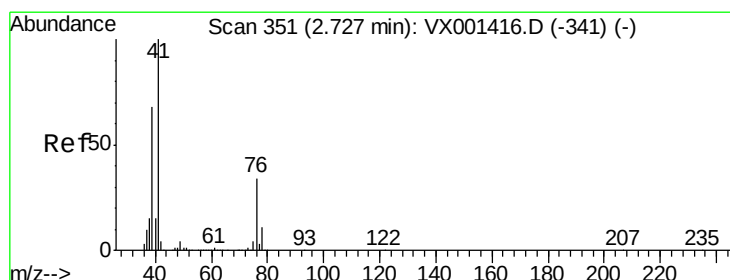
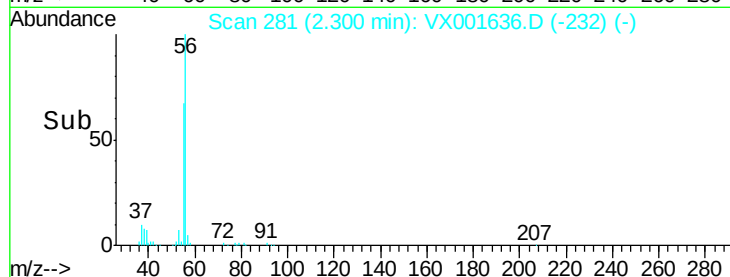
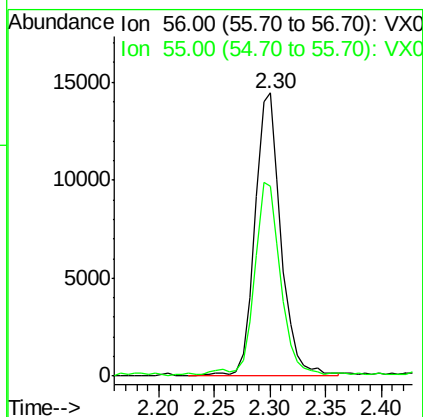
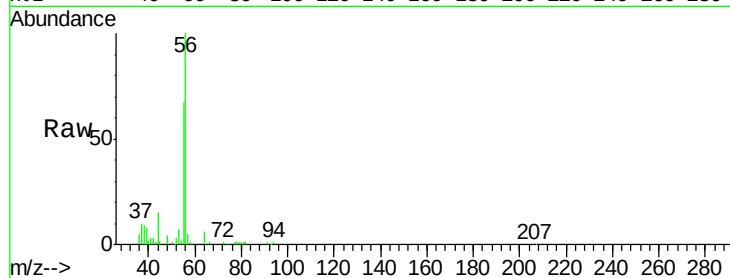




#13
 Acrolein
 Concen: 147.76 ug/l
 RT: 2.30 min Scan# 281
 Delta R.T. 0.00 min
 Lab File: VX001636.D
 Acq: 11 May 2018 13:08

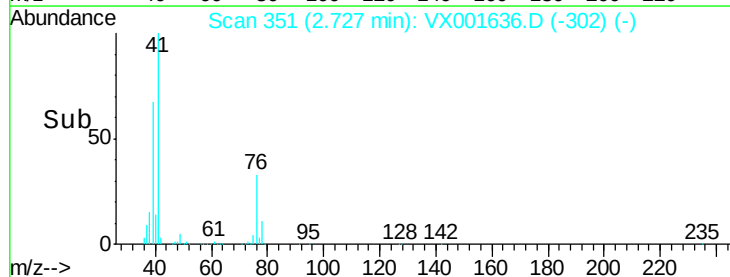
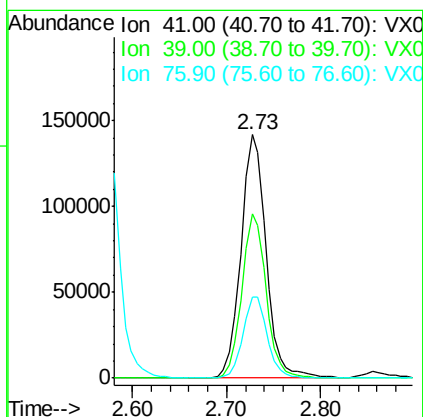
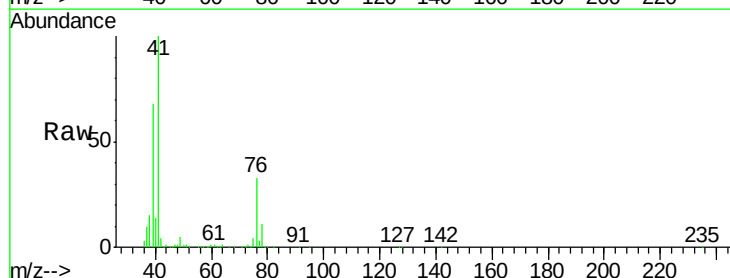
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

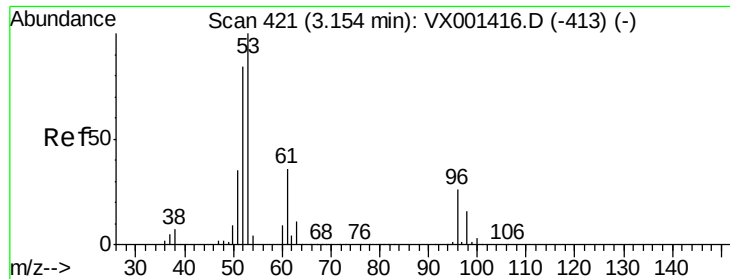
Tgt Ion: 56 Resp: 23546
 Ion Ratio Lower Upper
 56 100
 55 70.0 54.5 81.7



#14
 Allyl chloride
 Concen: 49.47 ug/l
 RT: 2.73 min Scan# 351
 Delta R.T. 0.00 min
 Lab File: VX001636.D
 Acq: 11 May 2018 13:08

Tgt Ion: 41 Resp: 263759
 Ion Ratio Lower Upper
 41 100
 39 65.1 52.4 78.6
 76 32.3 25.8 38.6





#15

Acrylonitrile

Concen: 227.46 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX001636.D

Acq: 11 May 2018 13:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

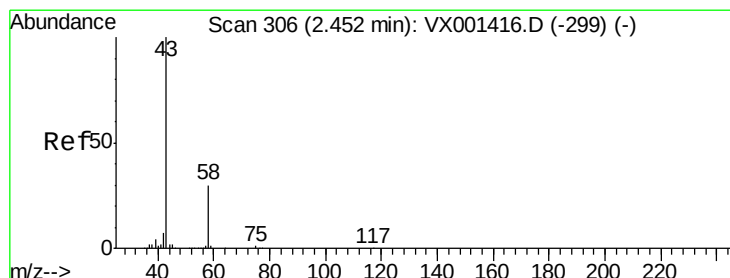
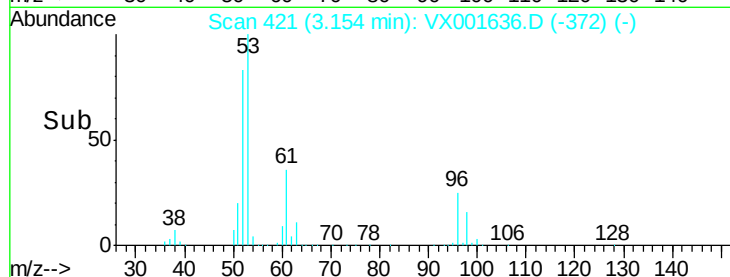
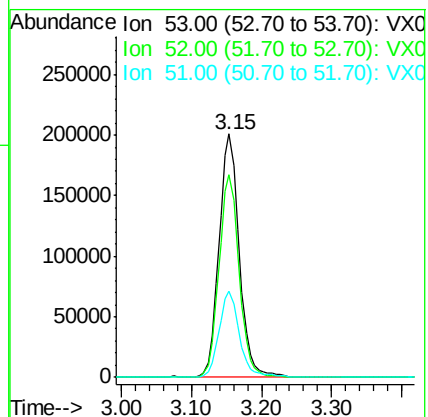
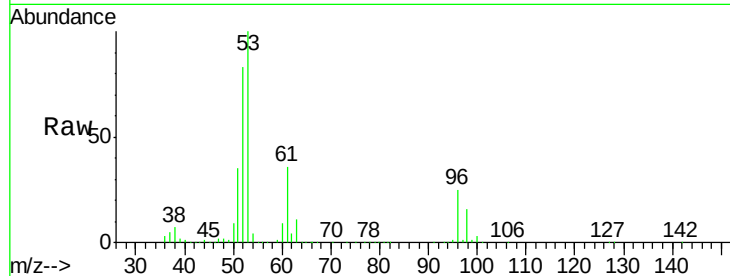
Tgt Ion: 53 Resp: 402493

Ion Ratio Lower Upper

53 100

52 82.8 66.2 99.2

51 35.7 28.6 43.0



#16

Acetone

Concen: 241.03 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX001636.D

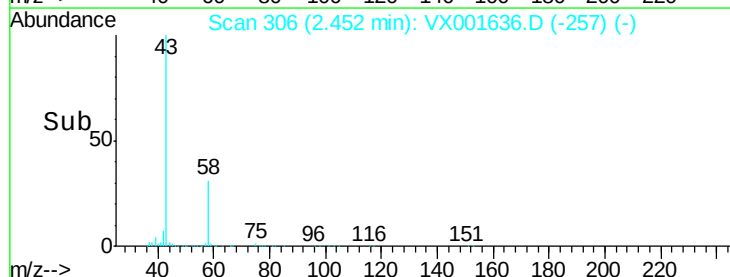
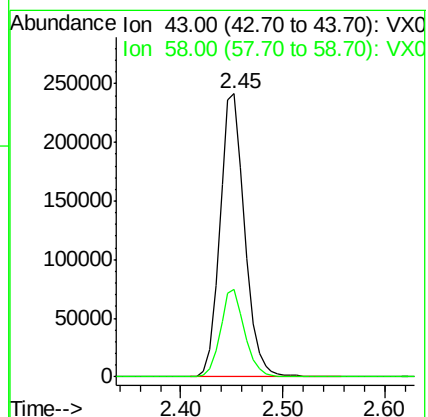
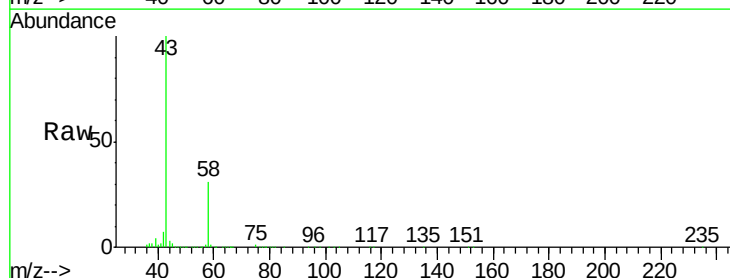
Acq: 11 May 2018 13:08

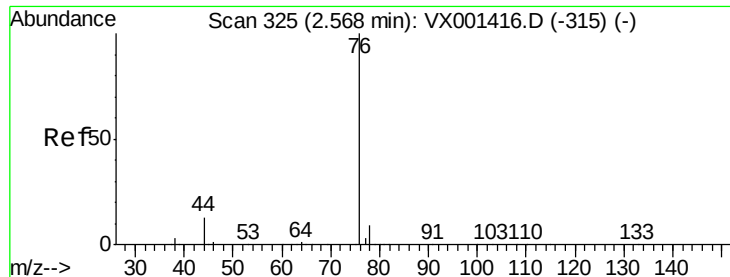
Tgt Ion: 43 Resp: 406497

Ion Ratio Lower Upper

43 100

58 31.0 23.8 35.8

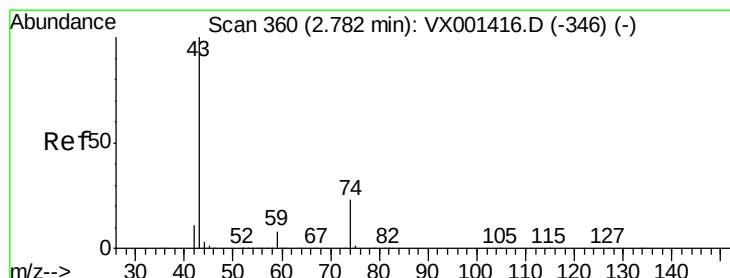
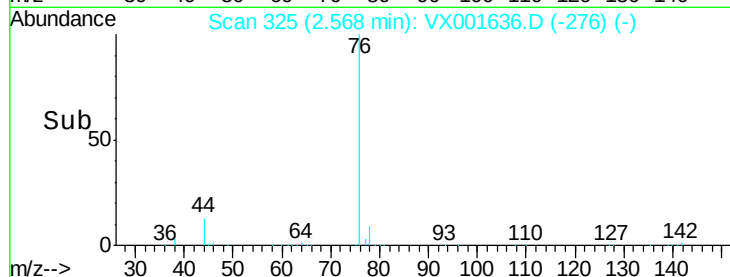
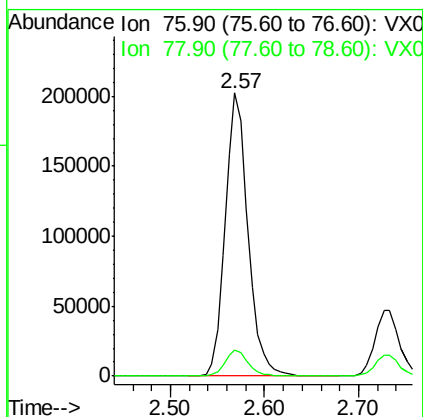
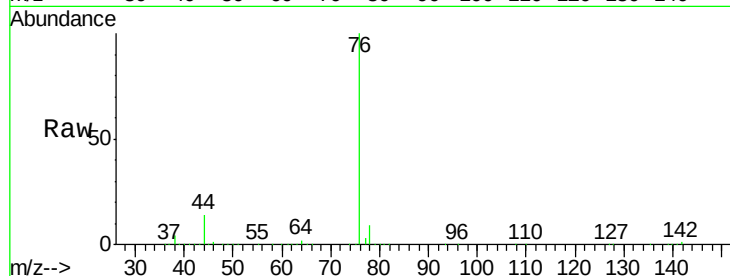




#17
Carbon Disulfide
Concen: 46.46 ug/l
RT: 2.57 min Scan# 325
Delta R.T. 0.00 min
Lab File: VX001636.D
Acq: 11 May 2018 13:08

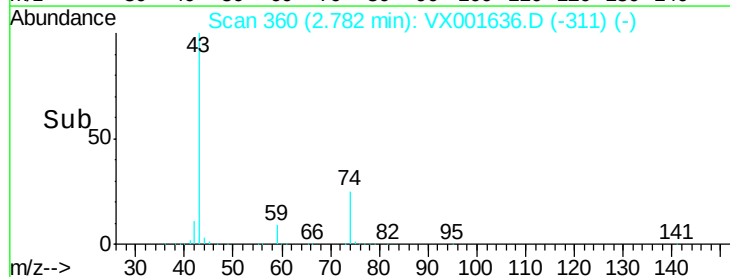
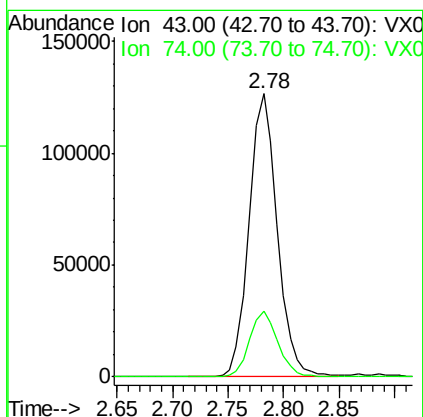
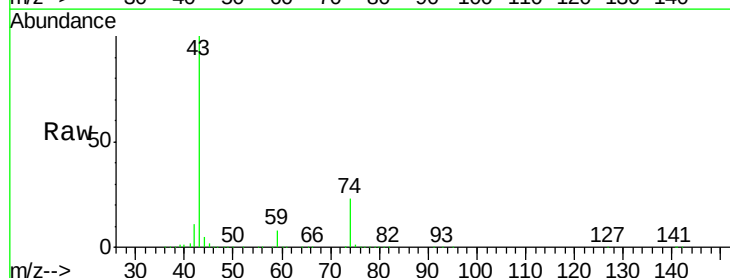
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

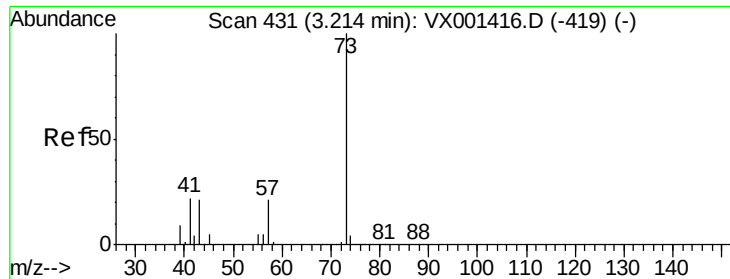
Tgt Ion: 76 Resp: 338108
Ion Ratio Lower Upper
76 100
78 9.2 7.4 11.2



#18
Methyl Acetate
Concen: 50.27 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX001636.D
Acq: 11 May 2018 13:08

Tgt Ion: 43 Resp: 222727
Ion Ratio Lower Upper
43 100
74 23.6 18.6 27.8

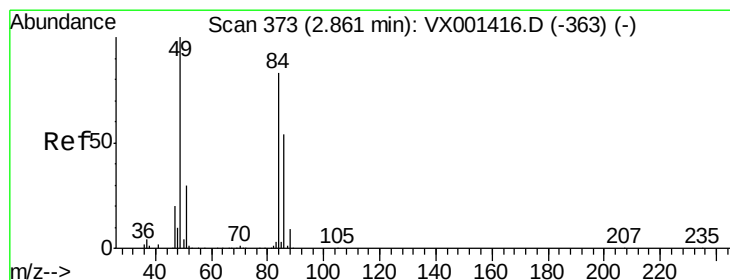
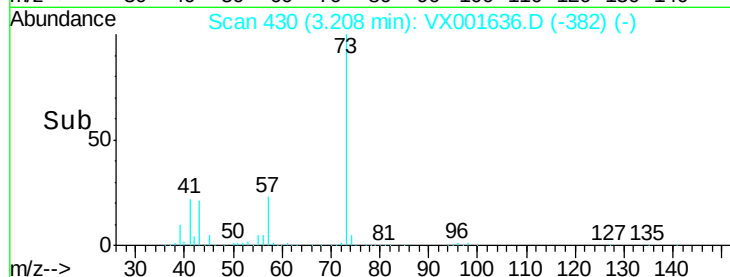
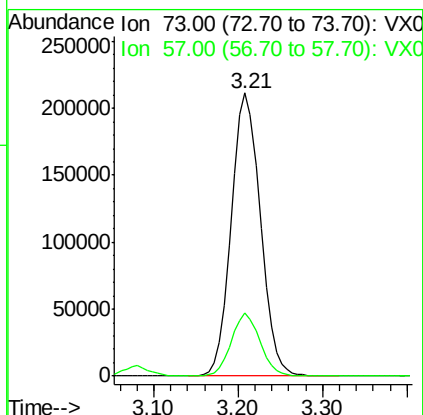
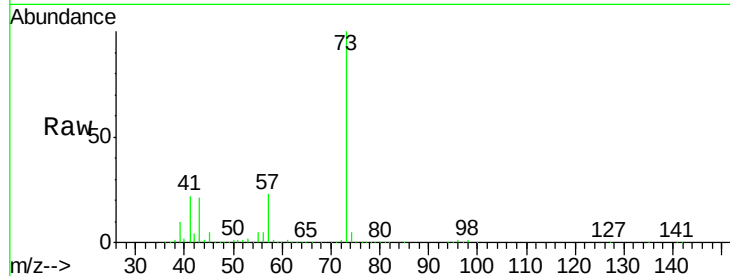




#19
Methyl tert-butyl Ether
Concen: 49.65 ug/l
RT: 3.21 min Scan# 430
Delta R.T. -0.01 min
Lab File: VX001636.D
Acq: 11 May 2018 13:08

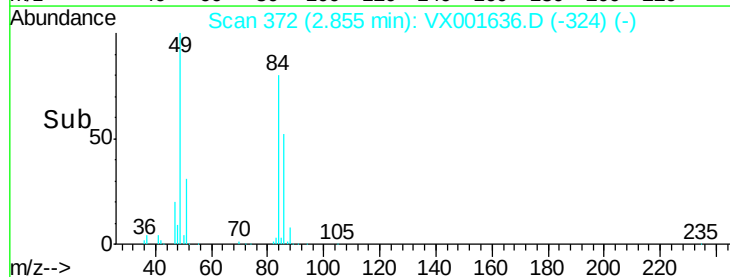
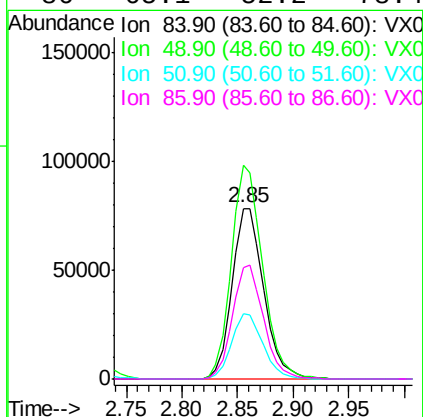
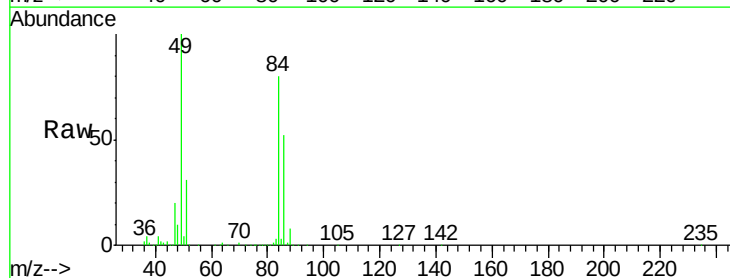
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

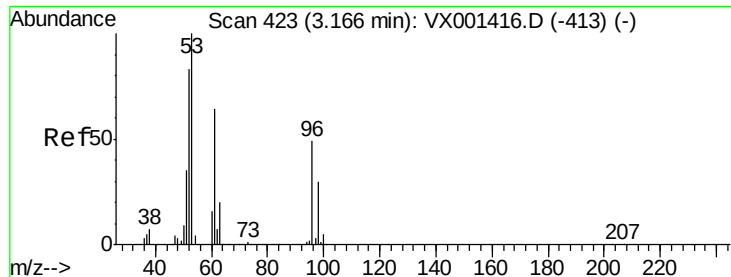
Tgt Ion: 73 Resp: 494334
Ion Ratio Lower Upper
73 100
57 22.6 17.0 25.6



#20
Methylene Chloride
Concen: 46.37 ug/l
RT: 2.85 min Scan# 372
Delta R.T. -0.01 min
Lab File: VX001636.D
Acq: 11 May 2018 13:08

Tgt Ion: 84 Resp: 154825
Ion Ratio Lower Upper
84 100
49 125.2 96.6 144.8
51 38.7 29.0 43.4
86 65.1 52.2 78.4





#21

trans-1,2-Dichloroethene

Concen: 46.82 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.00 min

Lab File: VX001636.D

Acq: 11 May 2018 13:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

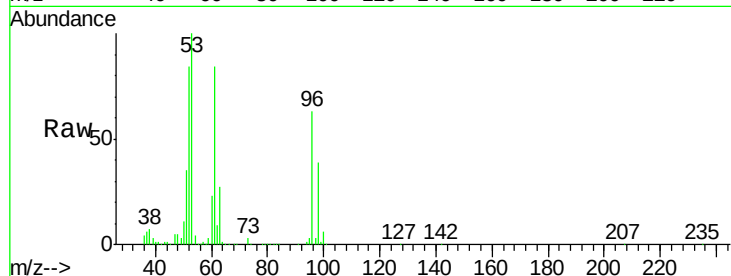
Tgt Ion: 96 Resp: 149401

Ion Ratio Lower Upper

96 100

61 132.7 105.0 157.4

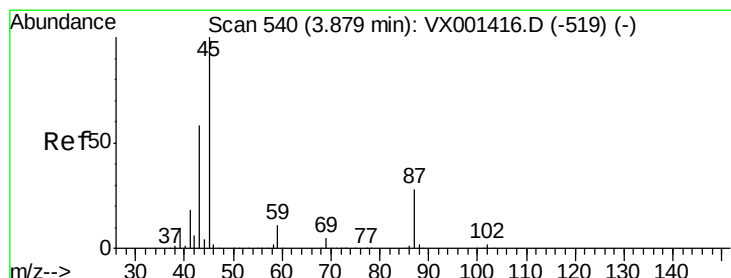
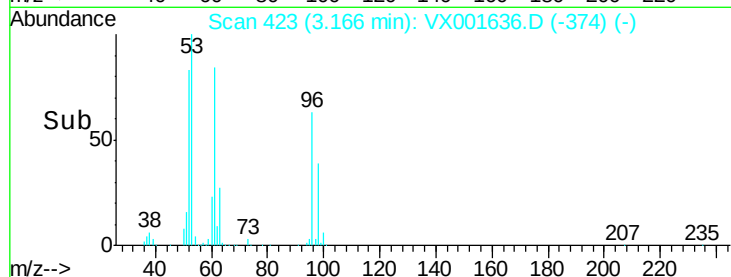
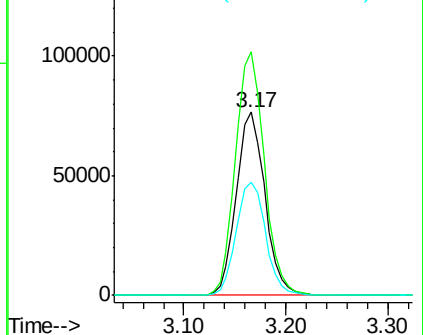
98 61.9 49.9 74.9



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: 51.65 ug/l

RT: 3.87 min Scan# 539

Delta R.T. -0.01 min

Lab File: VX001636.D

Acq: 11 May 2018 13:08

Tgt Ion: 45 Resp: 514486

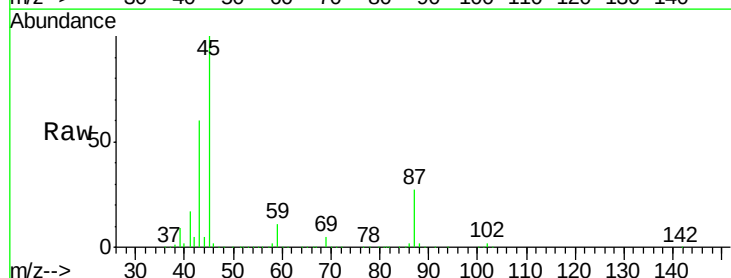
Ion Ratio Lower Upper

45 100

43 60.2 46.5 69.7

87 27.0 22.6 34.0

59 10.9 9.1 13.7

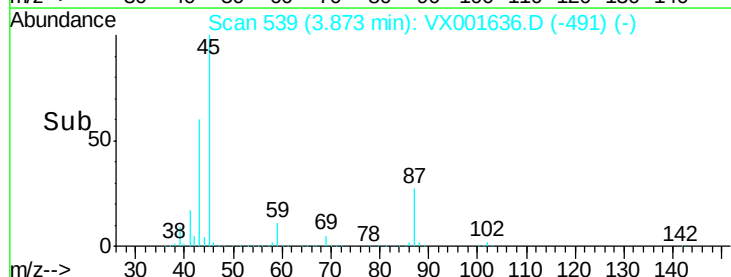
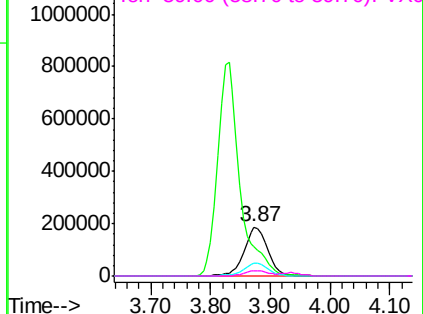


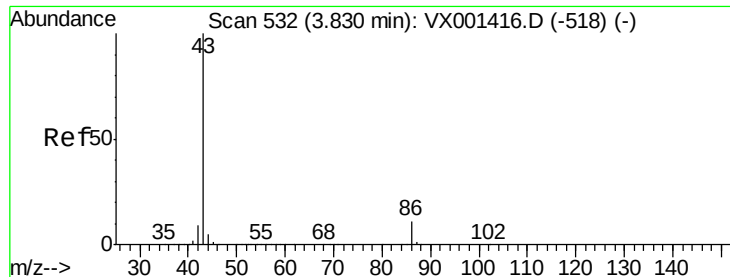
Abundance Ion 45.00 (44.70 to 45.70): VX0

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: 256.80 ug/l

RT: 3.83 min Scan# 532

Delta R.T. 0.00 min

Lab File: VX001636.D

Acq: 11 May 2018 13:08

Instrument :

MSVOA_X

ClientSampleId :

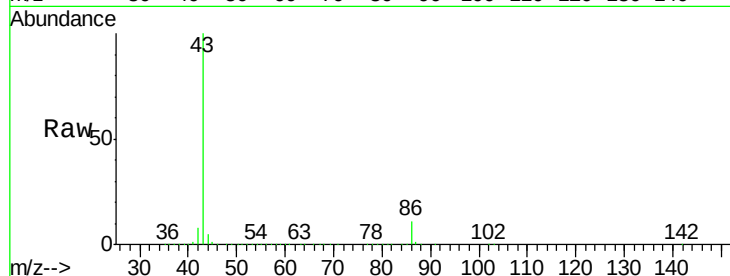
VSTDCCC050

Tgt Ion: 43 Resp: 2131789

Ion Ratio Lower Upper

43 100

86 10.8 8.6 13.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.83

800000

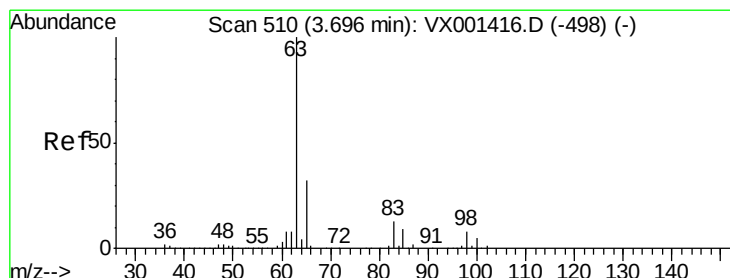
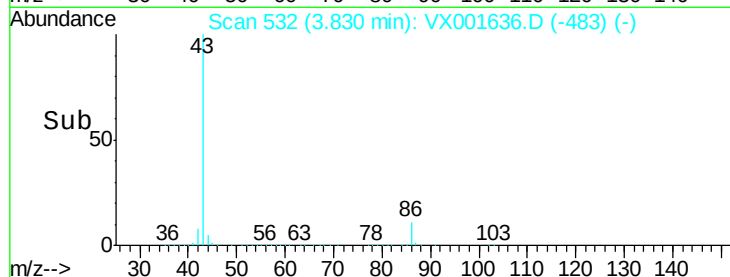
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 50.47 ug/l

RT: 3.70 min Scan# 511

Delta R.T. 0.01 min

Lab File: VX001636.D

Acq: 11 May 2018 13:08

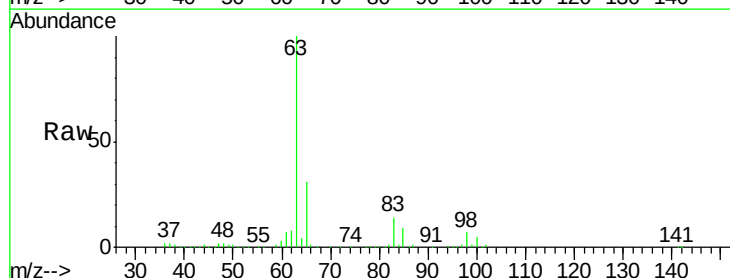
Tgt Ion: 63 Resp: 280853

Ion Ratio Lower Upper

63 100

98 7.2 3.8 11.4

100 4.8 2.4 7.1



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

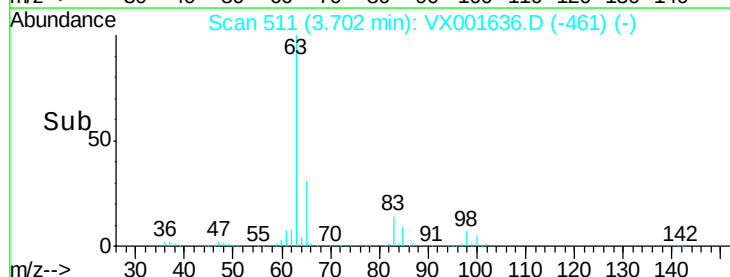
150000

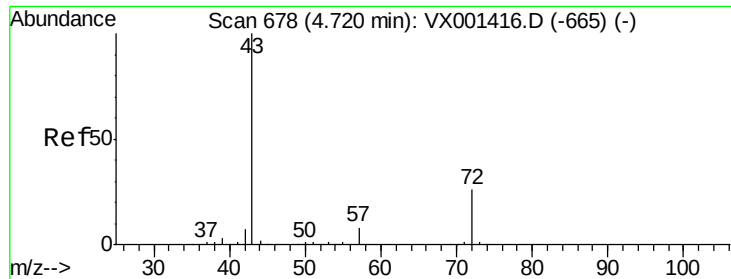
100000

50000

0

Time-->





#25

2-Butanone

Concen: 240.59 ug/l

RT: 4.71 min Scan# 677

Delta R.T. -0.01 min

Lab File: VX001636.D

Acq: 11 May 2018 13:08

Instrument :

MSVOA_X

ClientSampleId :

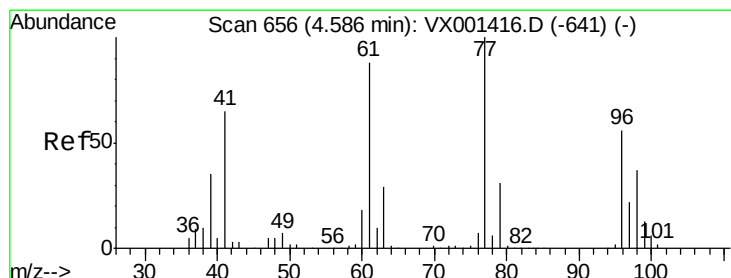
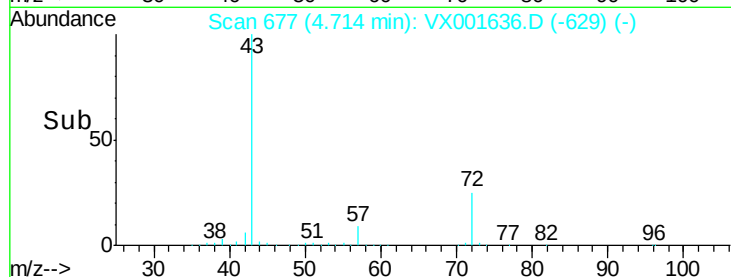
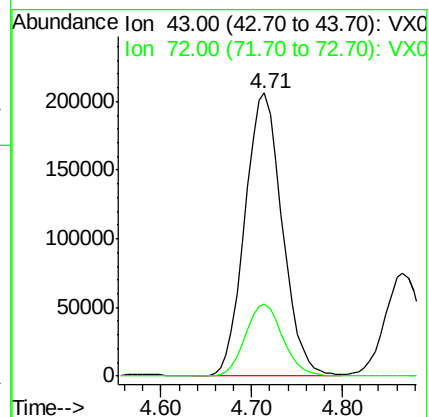
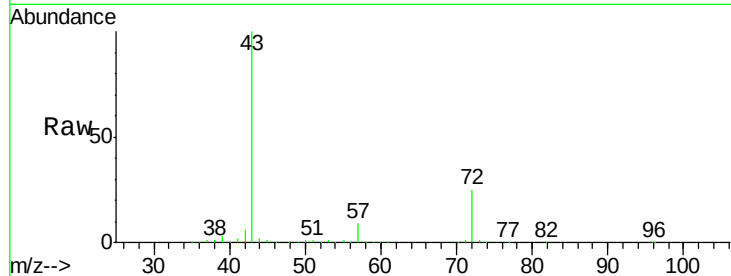
VSTDCCC050

Tgt Ion: 43 Resp: 586534

Ion Ratio Lower Upper

43 100

72 25.4 20.7 31.1



#26

2,2-Dichloropropane

Concen: 56.45 ug/l

RT: 4.59 min Scan# 656

Delta R.T. 0.00 min

Lab File: VX001636.D

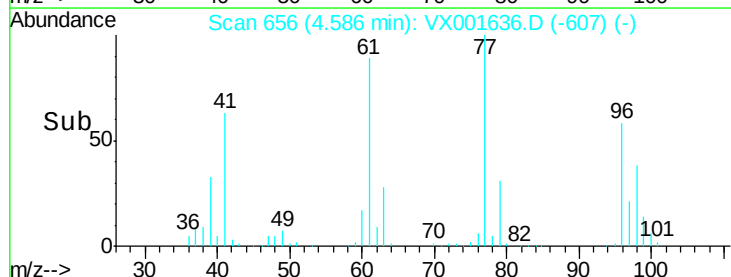
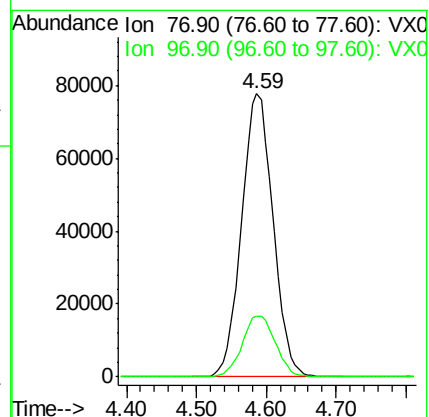
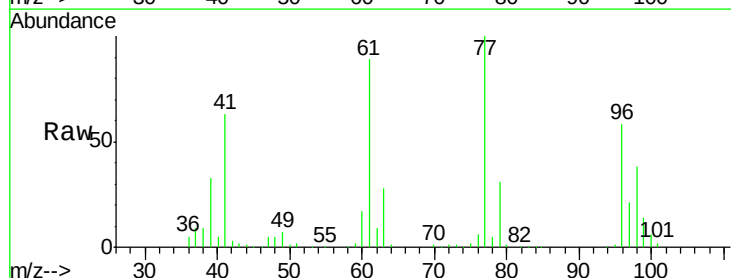
Acq: 11 May 2018 13:08

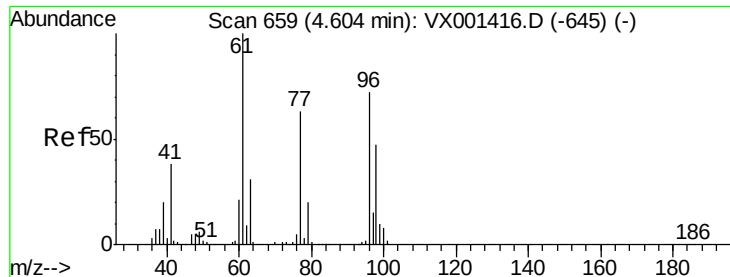
Tgt Ion: 77 Resp: 242567

Ion Ratio Lower Upper

77 100

97 22.7 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 50.93 ug/l

RT: 4.60 min Scan# 659

Delta R.T. 0.00 min

Lab File: VX001636.D

Acq: 11 May 2018 13:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

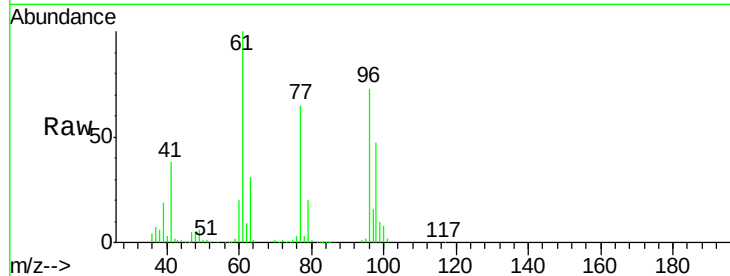
Tgt Ion: 96 Resp: 173091

Ion Ratio Lower Upper

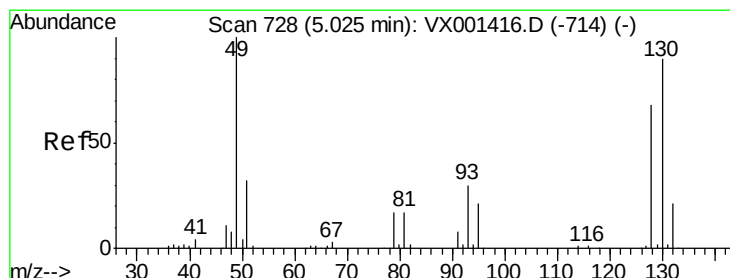
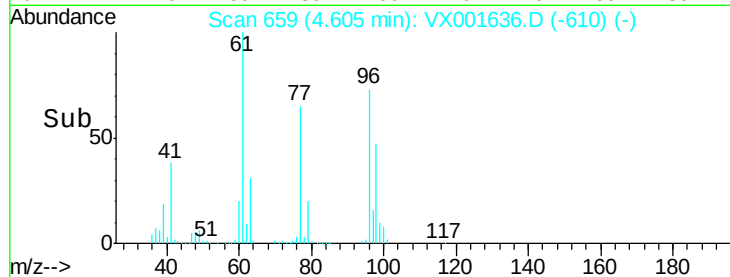
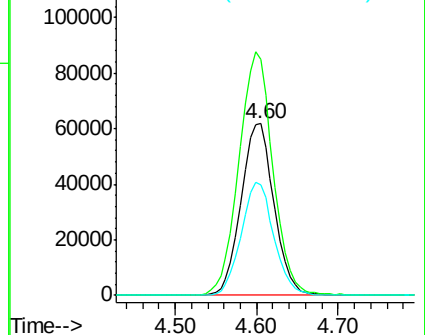
96 100

61 147.0 0.0 301.6

98 65.2 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: 49.14 ug/l

RT: 5.03 min Scan# 728

Delta R.T. 0.00 min

Lab File: VX001636.D

Acq: 11 May 2018 13:08

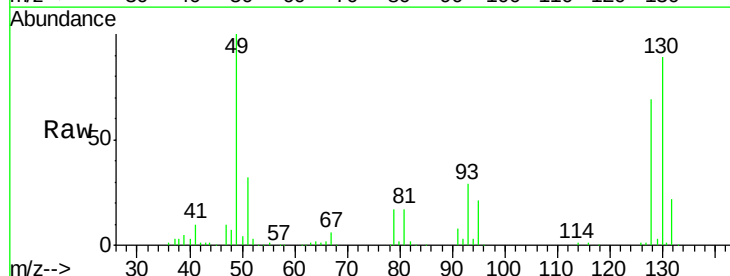
Tgt Ion: 49 Resp: 118547

Ion Ratio Lower Upper

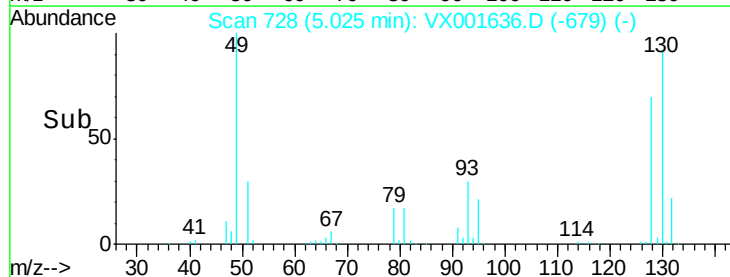
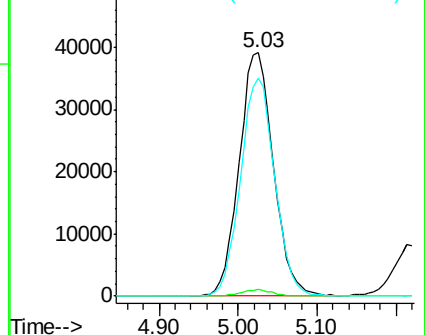
49 100

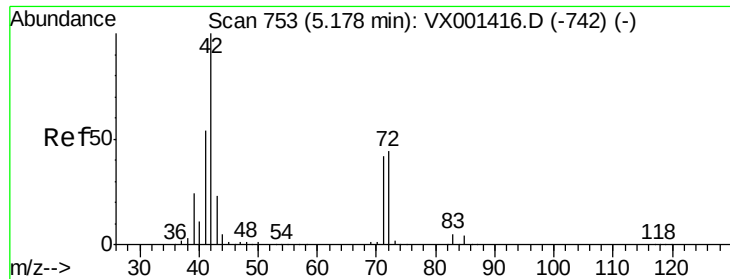
129 2.2 0.0 4.8

130 89.1 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: 227.94 ug/l

RT: 5.17 min Scan# 752

Delta R.T. -0.01 min

Lab File: VX001636.D

Acq: 11 May 2018 13:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

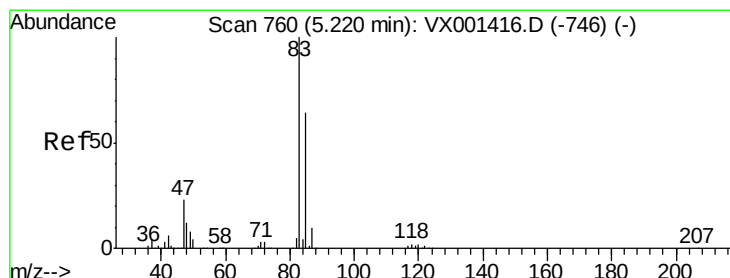
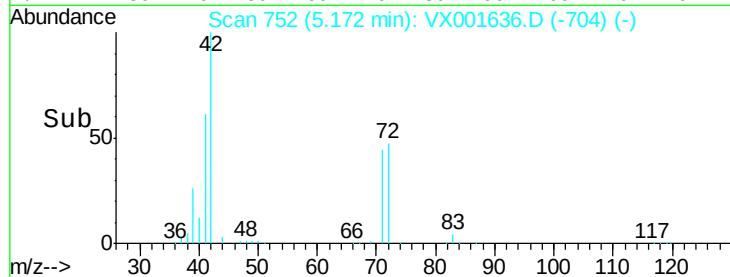
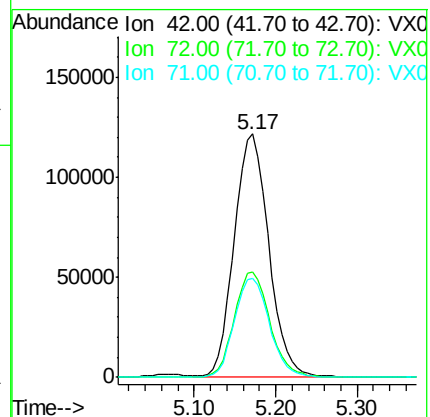
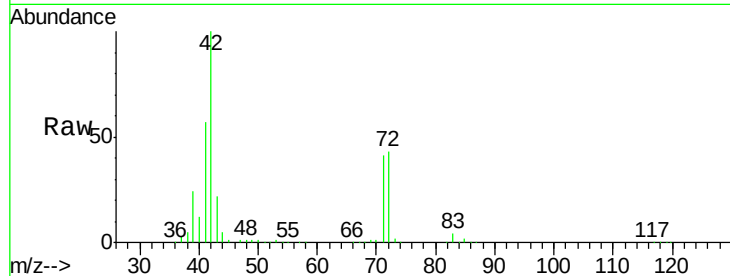
Tgt Ion: 42 Resp: 355543

Ion Ratio Lower Upper

42 100

72 44.6 35.4 53.2

71 41.5 33.0 49.4



#30

Chloroform

Concen: 51.83 ug/l

RT: 5.22 min Scan# 760

Delta R.T. 0.00 min

Lab File: VX001636.D

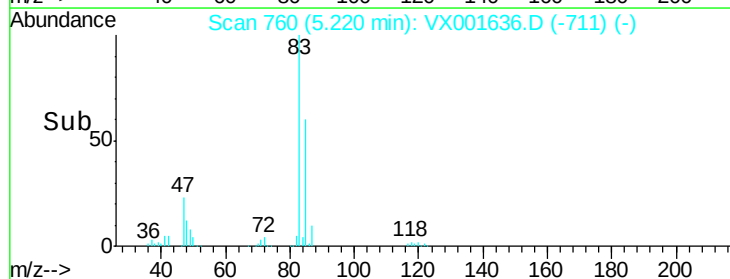
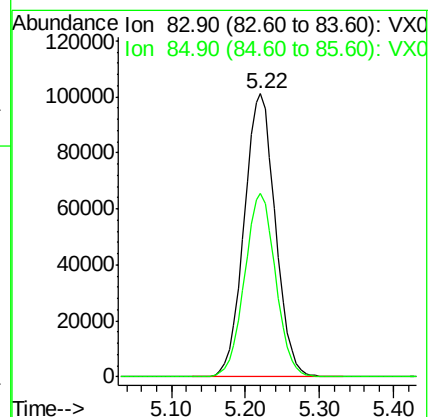
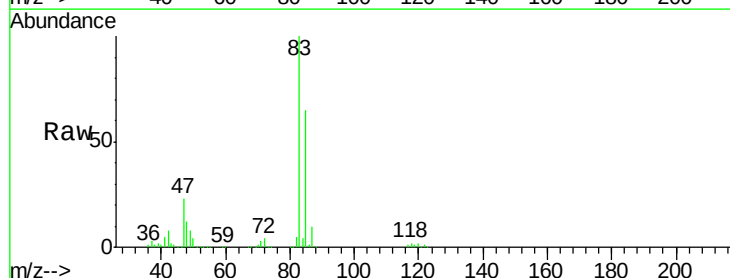
Acq: 11 May 2018 13:08

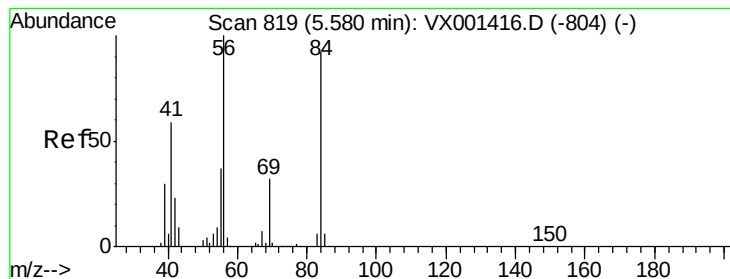
Tgt Ion: 83 Resp: 297060

Ion Ratio Lower Upper

83 100

85 64.8 51.0 76.4





#31

Cyclohexane

Concen: 52.01 ug/l

RT: 5.57 min Scan# 818

Delta R.T. -0.01 min

Lab File: VX001636.D

Acq: 11 May 2018 13:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

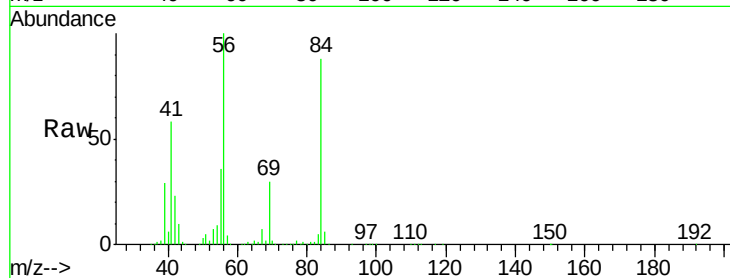
Tgt Ion: 56 Resp: 248581

Ion Ratio Lower Upper

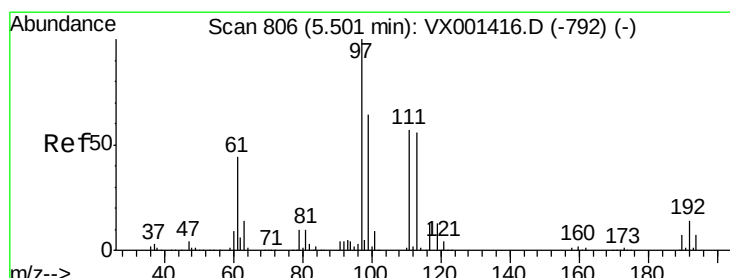
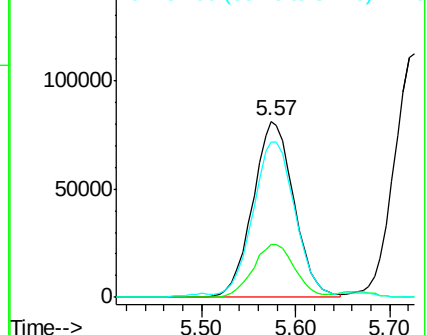
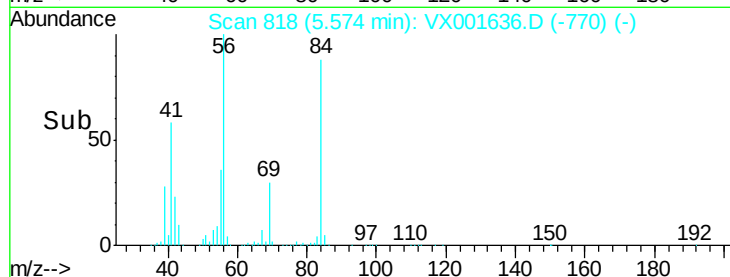
56 100

69 30.3 25.4 38.0

84 86.9 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: 53.21 ug/l

RT: 5.50 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX001636.D

Acq: 11 May 2018 13:08

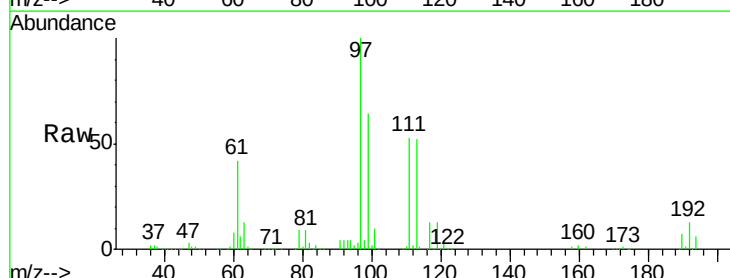
Tgt Ion: 97 Resp: 266531

Ion Ratio Lower Upper

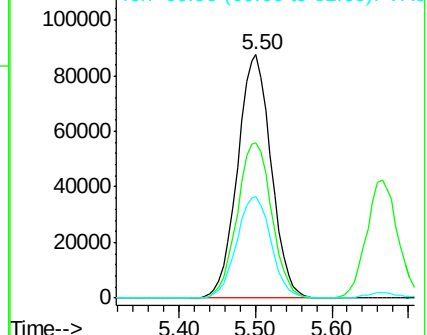
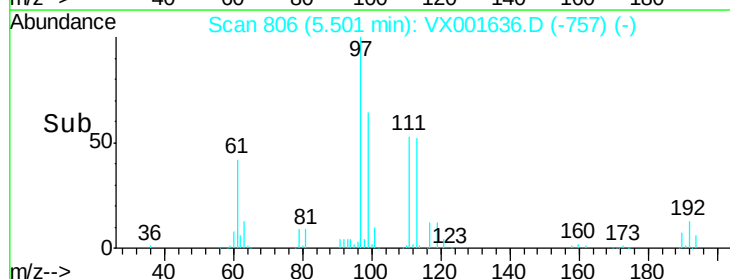
97 100

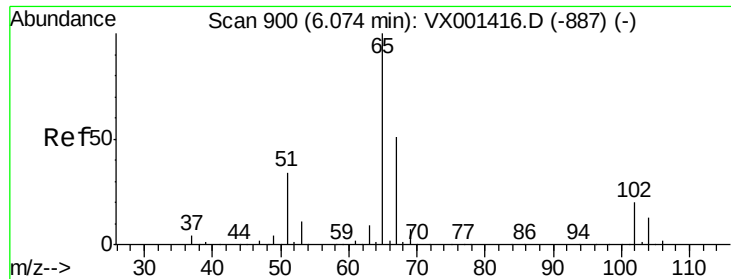
99 65.6 51.3 76.9

61 42.9 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

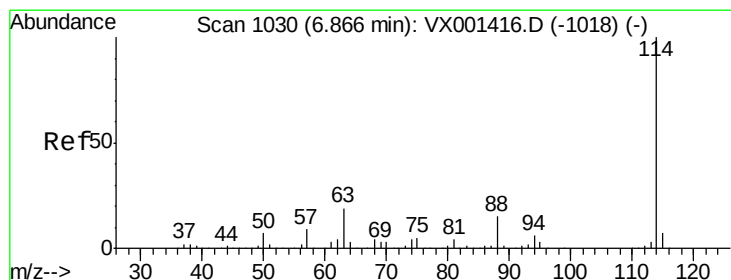
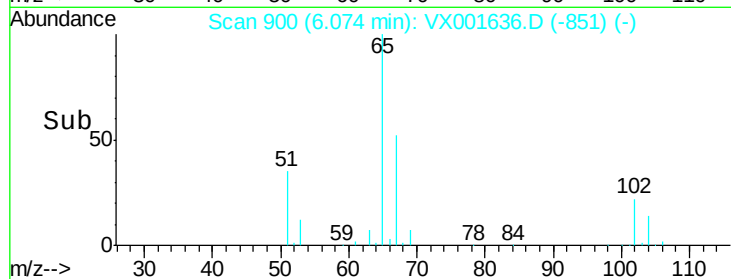
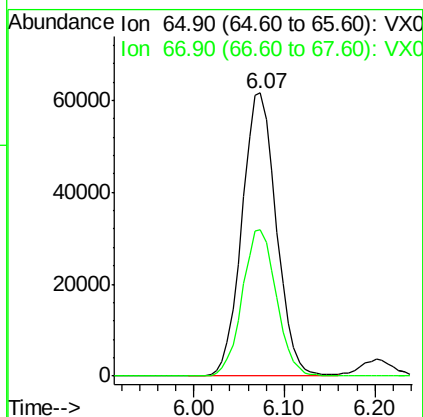
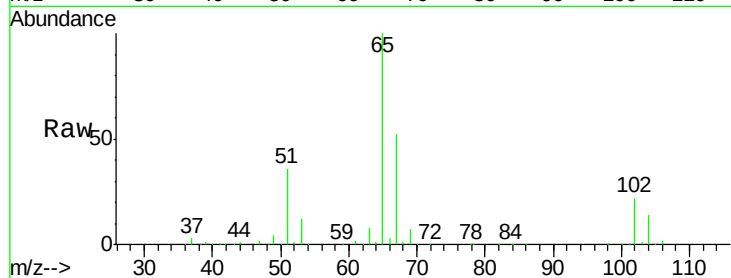




#33
 1,2-Dichloroethane-d4
 Concen: 43.55 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX001636.D
 Acq: 11 May 2018 13:08

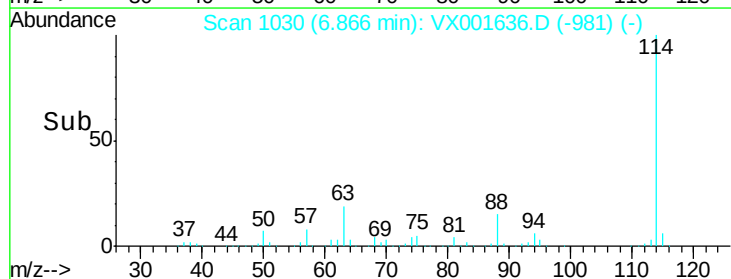
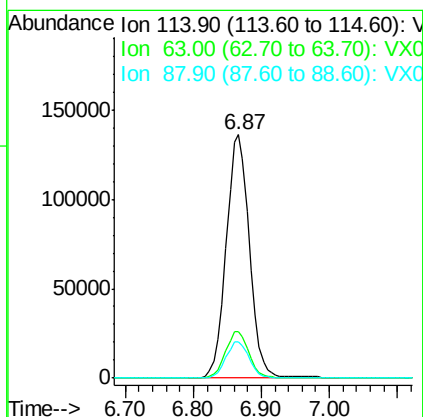
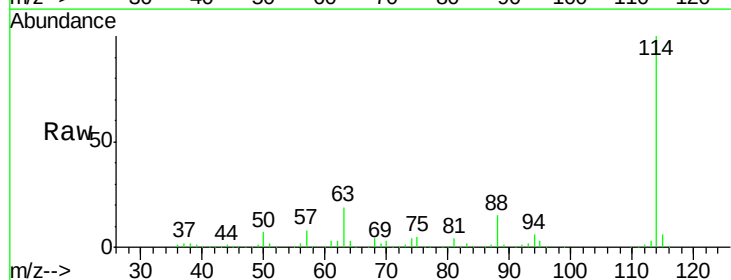
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

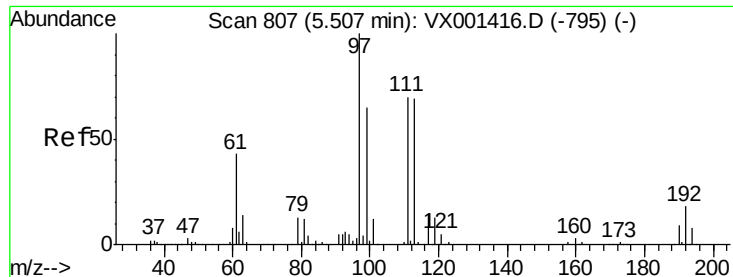
Tgt Ion: 65 Resp: 161765
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX001636.D
 Acq: 11 May 2018 13:08

Tgt Ion: 114 Resp: 322716
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 38.6
 88 15.1 0.0 30.8

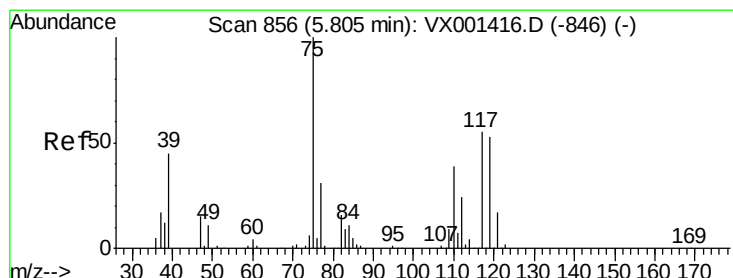
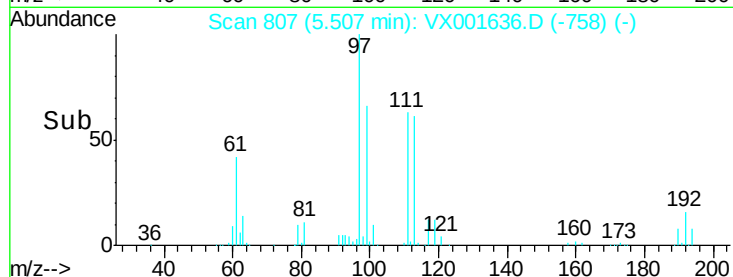
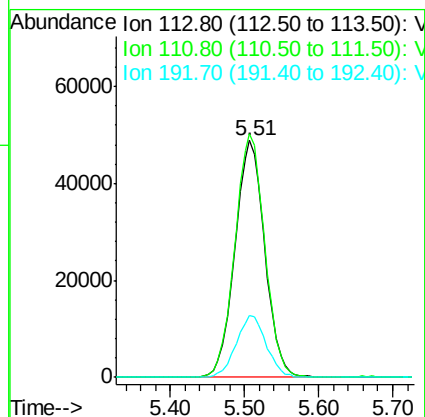
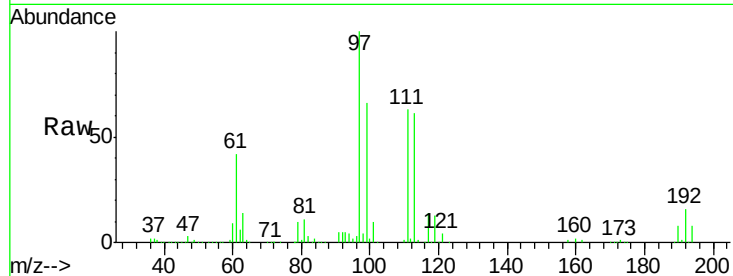




#35
Dibromofluoromethane
Concen: 47.76 ug/l
RT: 5.51 min Scan# 807
Delta R.T. 0.00 min
Lab File: VX001636.D
Acq: 11 May 2018 13:08

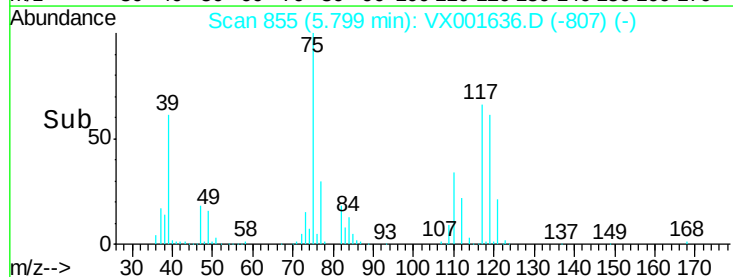
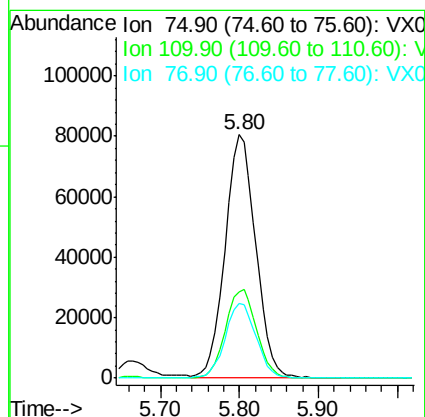
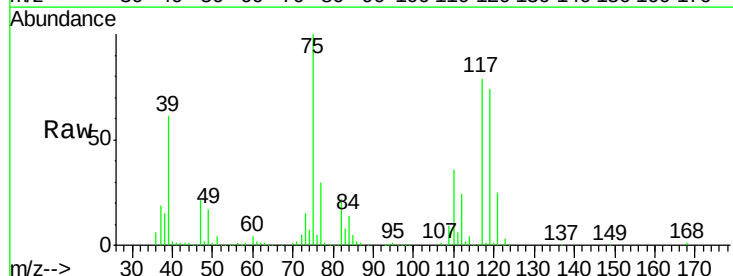
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

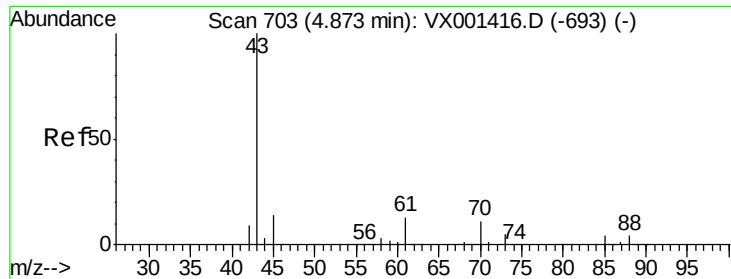
Tgt Ion:113 Resp: 137082
Ion Ratio Lower Upper
113 100
111 102.7 82.2 123.2
192 26.3 21.4 32.0



#36
1,1-Dichloropropene
Concen: 52.63 ug/l
RT: 5.80 min Scan# 856
Delta R.T. -0.01 min
Lab File: VX001636.D
Acq: 11 May 2018 13:08

Tgt Ion: 75 Resp: 216033
Ion Ratio Lower Upper
75 100
110 37.3 18.9 56.7
77 31.3 24.9 37.3

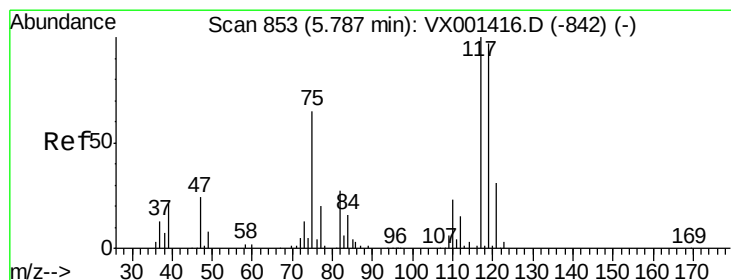
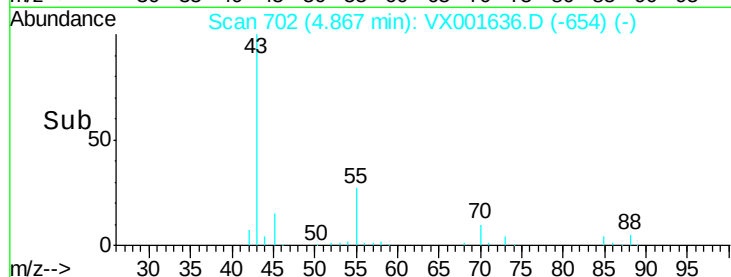
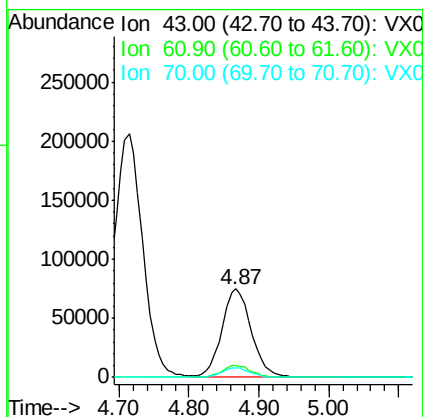
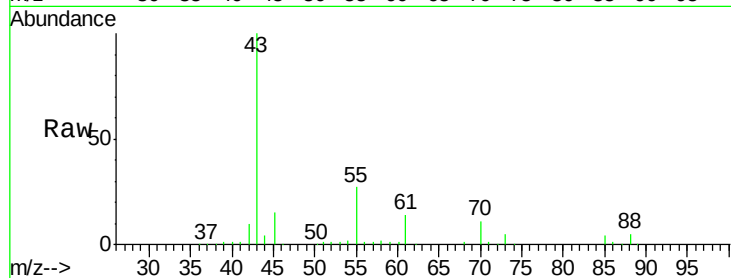




#37
Ethyl Acetate
Concen: 48.63 ug/l
RT: 4.87 min Scan# 702
Delta R.T. -0.01 min
Lab File: VX001636.D
Acq: 11 May 2018 13:08

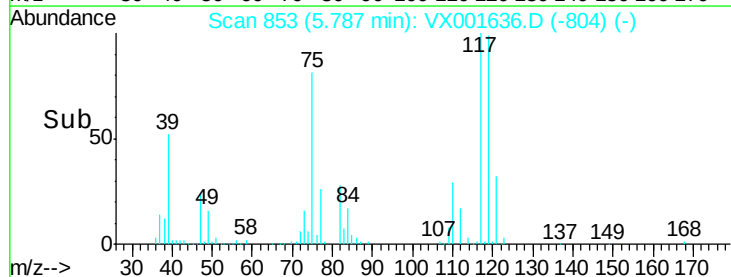
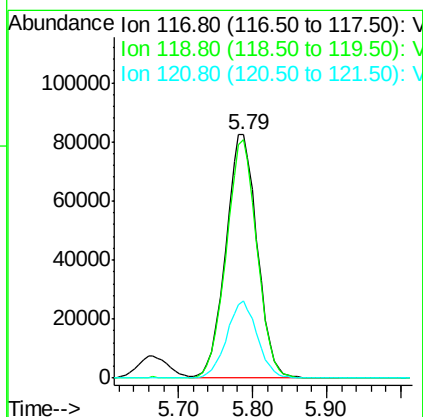
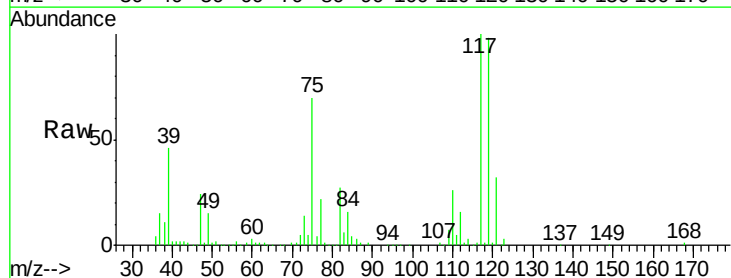
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

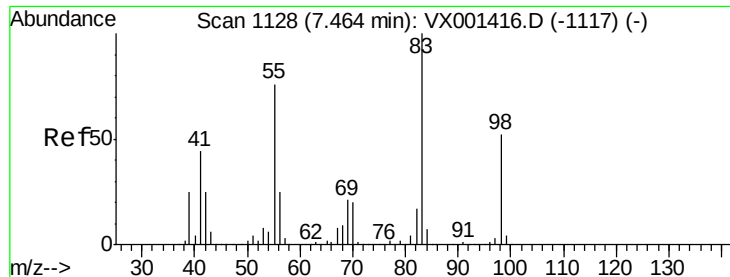
Tgt Ion: 43 Resp: 218829
Ion Ratio Lower Upper
43 100
61 13.4 10.7 16.1
70 10.6 8.4 12.6



#38
Carbon Tetrachloride
Concen: 55.26 ug/l
RT: 5.79 min Scan# 853
Delta R.T. 0.00 min
Lab File: VX001636.D
Acq: 11 May 2018 13:08

Tgt Ion: 117 Resp: 241924
Ion Ratio Lower Upper
117 100
119 98.1 77.0 115.6
121 31.6 25.1 37.7

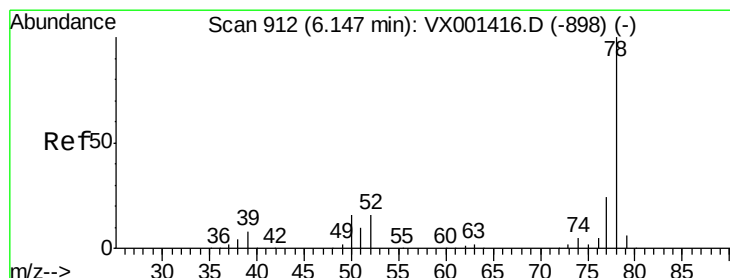
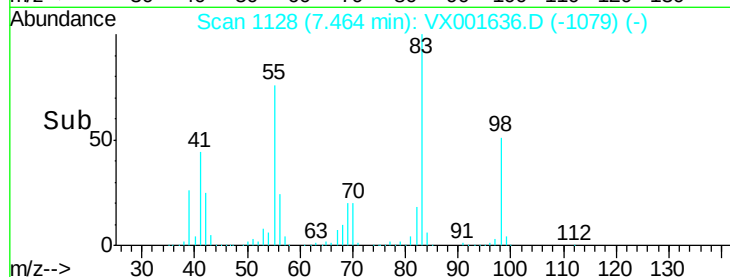
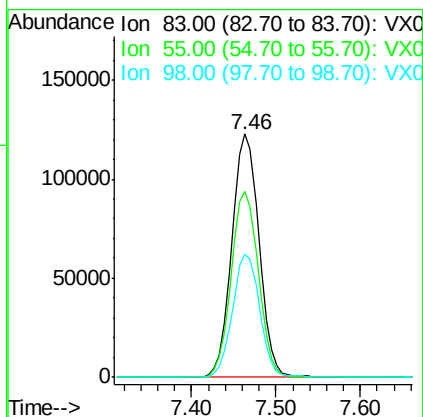
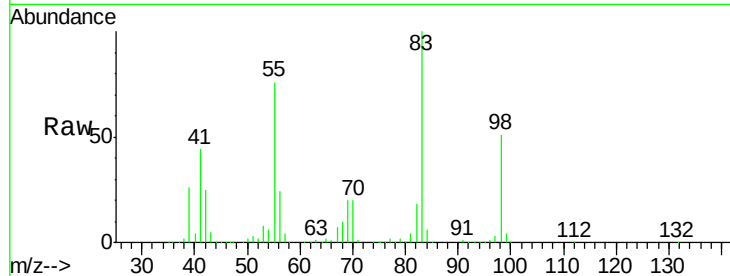




#39
Methylcyclohexane
Concen: 55.24 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX001636.D
Acq: 11 May 2018 13:08

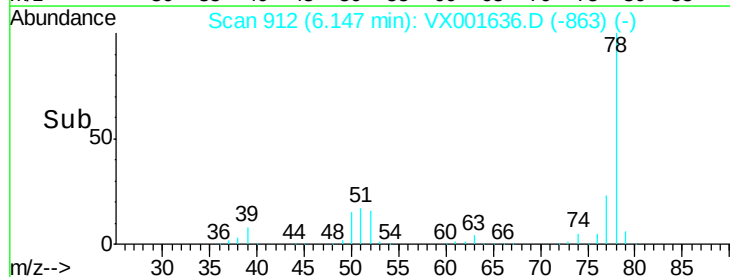
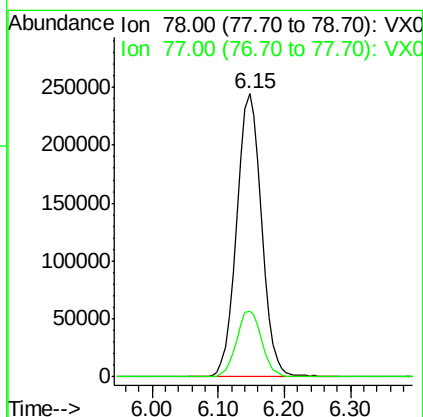
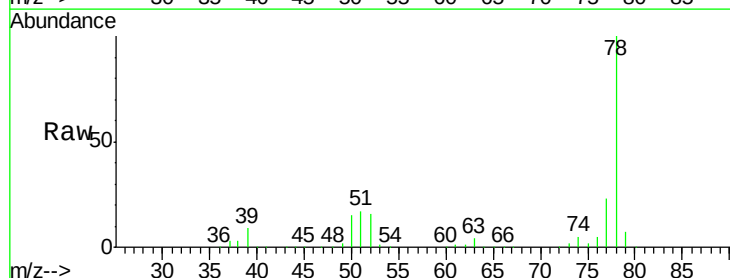
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

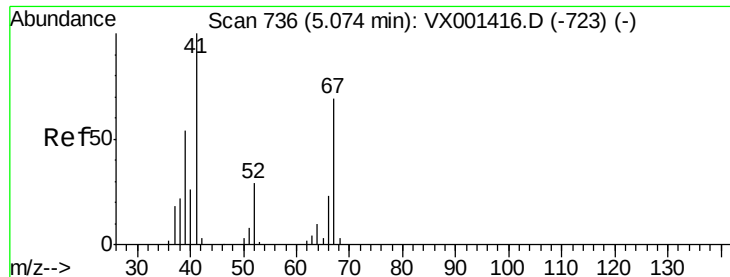
Tgt Ion: 83 Resp: 268099
Ion Ratio Lower Upper
83 100
55 76.4 60.9 91.3
98 50.8 41.9 62.9



#40
Benzene
Concen: 53.30 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.00 min
Lab File: VX001636.D
Acq: 11 May 2018 13:08

Tgt Ion: 78 Resp: 639116
Ion Ratio Lower Upper
78 100
77 23.2 19.4 29.2

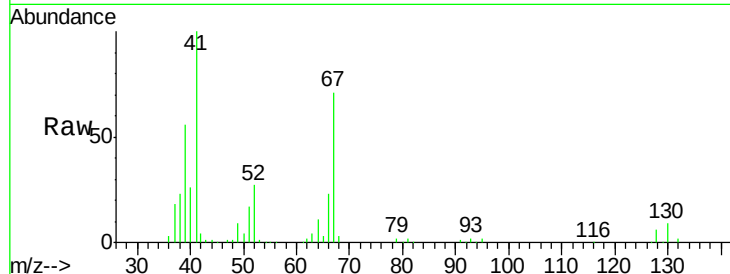




#41
Methacrylonitrile
Concen: 49.76 ug/l
RT: 5.07 min Scan# 735
Delta R.T. -0.01 min
Lab File: VX001636.D
Acq: 11 May 2018 13:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:	41	Resp:	128118
Ion	Ratio	Lower	Upper
41	100		
39	55.5	45.0	67.6
67	68.7	55.0	82.6
52	28.7	23.4	35.0



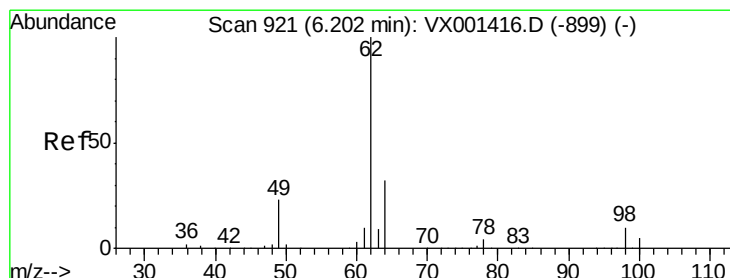
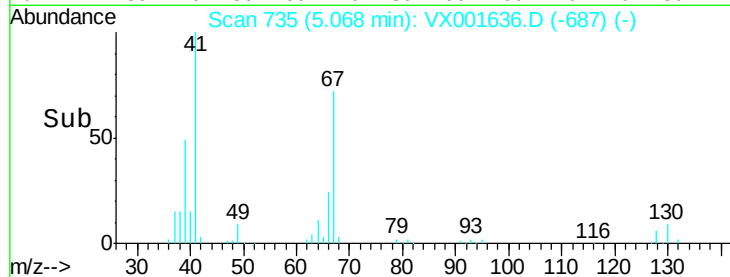
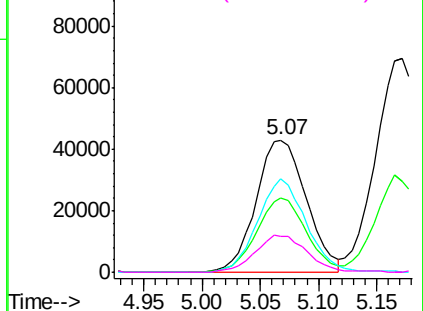
Abundance

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

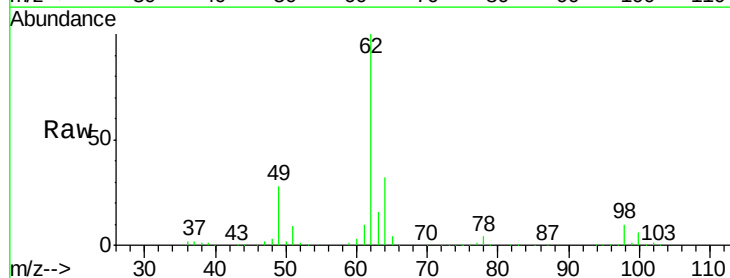
Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42
1,2-Dichloroethane
Concen: 52.24 ug/l
RT: 6.20 min Scan# 921
Delta R.T. 0.00 min
Lab File: VX001636.D
Acq: 11 May 2018 13:08

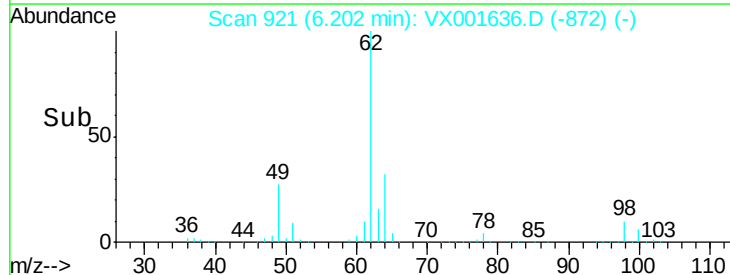
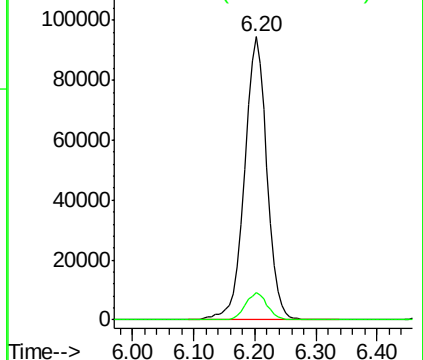
Tgt Ion:	62	Resp:	240759
Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	19.0

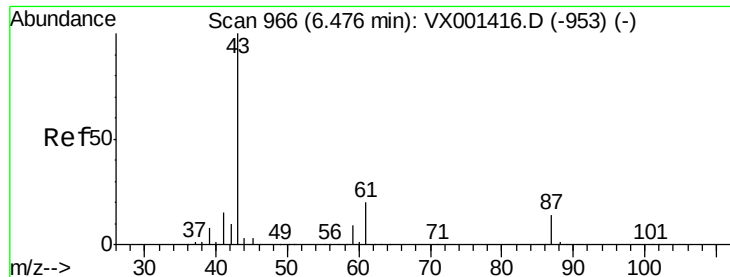


Abundance

Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 52.59 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.01 min

Lab File: VX001636.D

Acq: 11 May 2018 13:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

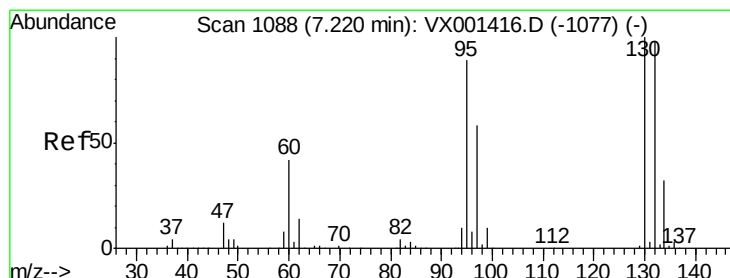
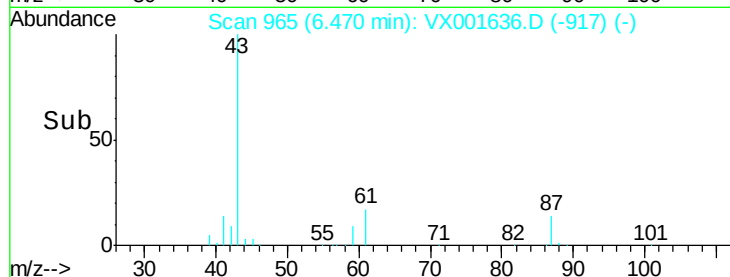
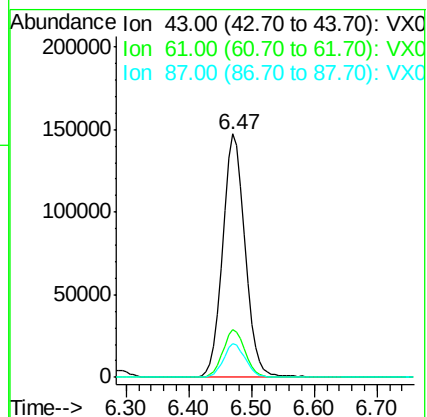
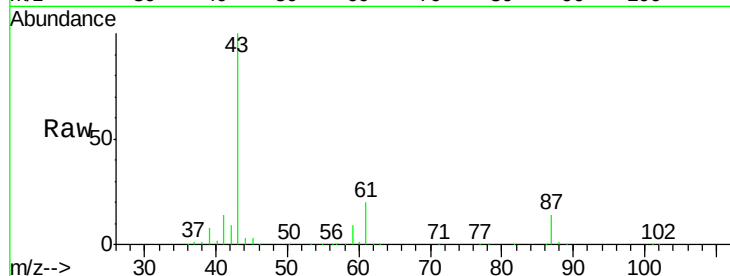
Tgt Ion: 43 Resp: 363300

Ion Ratio Lower Upper

43 100

61 19.8 15.4 23.0

87 13.7 10.8 16.2



#44

Trichloroethene

Concen: 53.42 ug/l

RT: 7.22 min Scan# 1088

Delta R.T. 0.00 min

Lab File: VX001636.D

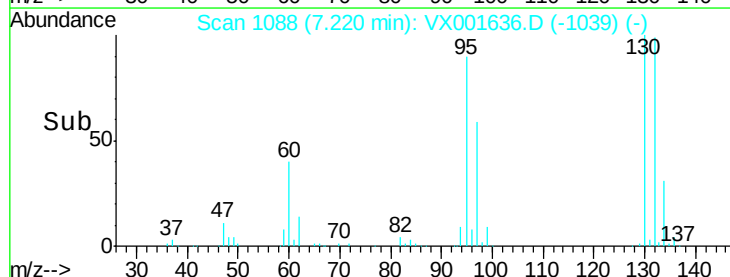
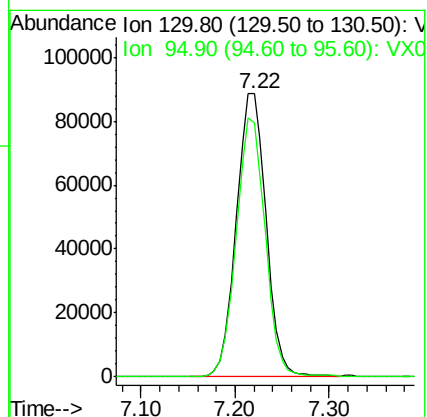
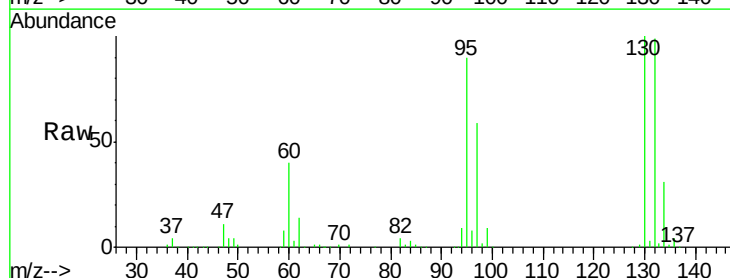
Acq: 11 May 2018 13:08

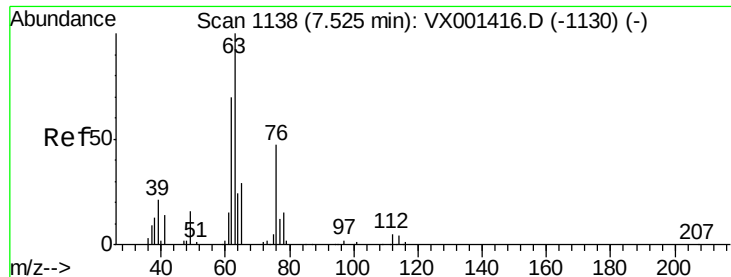
Tgt Ion: 130 Resp: 195770

Ion Ratio Lower Upper

130 100

95 89.6 0.0 178.4





#45

1,2-Dichloropropane

Concen: 53.77 ug/l

RT: 7.52 min Scan# 1137

Delta R.T. -0.01 min

Lab File: VX001636.D

Acq: 11 May 2018 13:08

Instrument :

MSVOA_X

ClientSampleId :

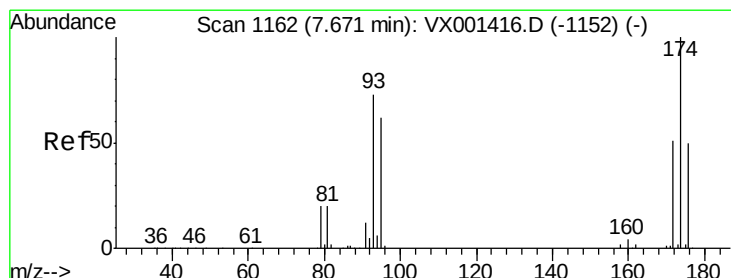
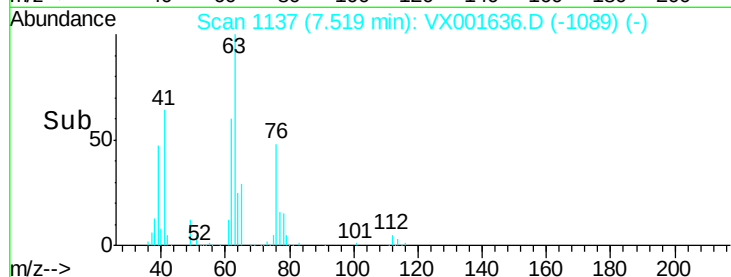
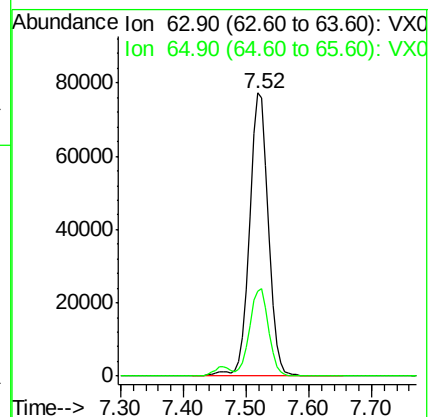
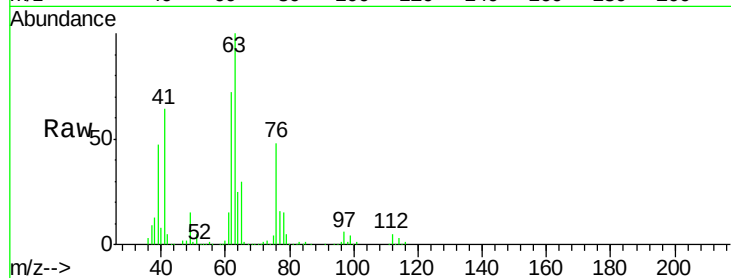
VSTDCCC050

Tgt Ion: 63 Resp: 160736

Ion Ratio Lower Upper

63 100

65 30.0 24.5 36.7



#46

Dibromomethane

Concen: 51.79 ug/l

RT: 7.66 min Scan# 1161

Delta R.T. -0.01 min

Lab File: VX001636.D

Acq: 11 May 2018 13:08

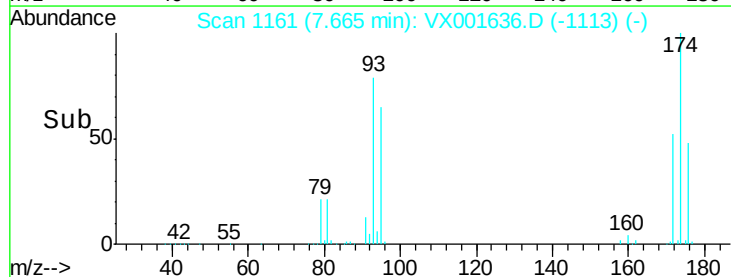
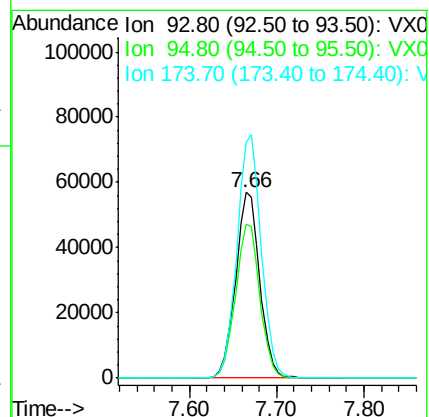
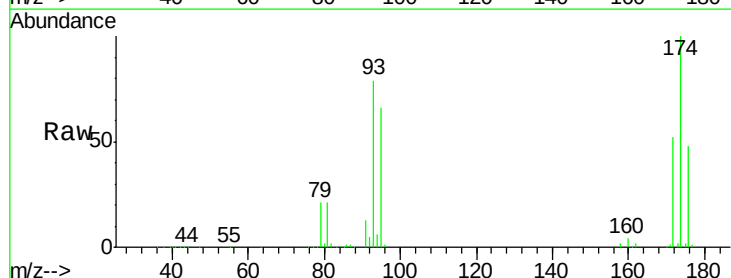
Tgt Ion: 93 Resp: 109591

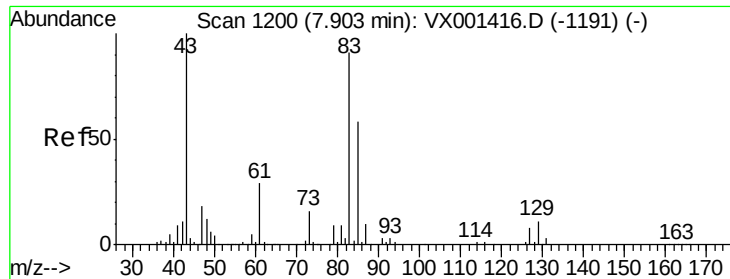
Ion Ratio Lower Upper

93 100

95 84.0 67.0 100.4

174 131.9 104.5 156.7





#47

Bromodichloromethane

Concen: 56.55 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX001636.D

Acq: 11 May 2018 13:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

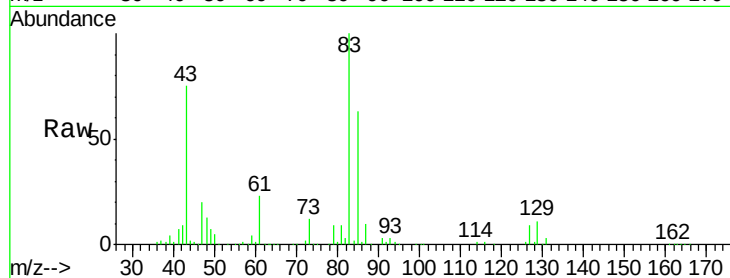
Tgt Ion: 83 Resp: 221456

Ion Ratio Lower Upper

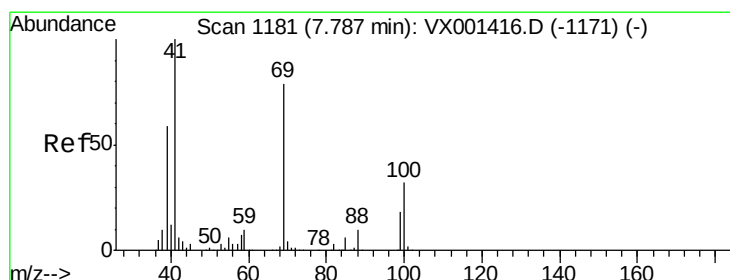
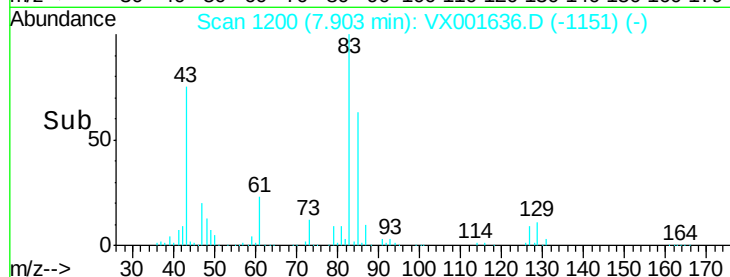
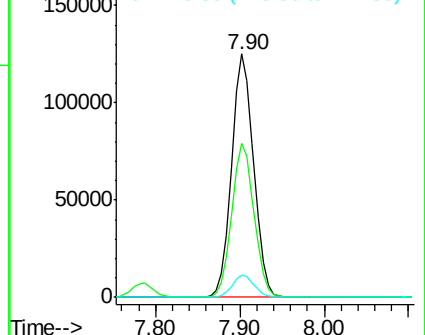
83 100

85 63.4 51.0 76.6

127 9.0 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: 51.35 ug/l

RT: 7.78 min Scan# 1180

Delta R.T. -0.01 min

Lab File: VX001636.D

Acq: 11 May 2018 13:08

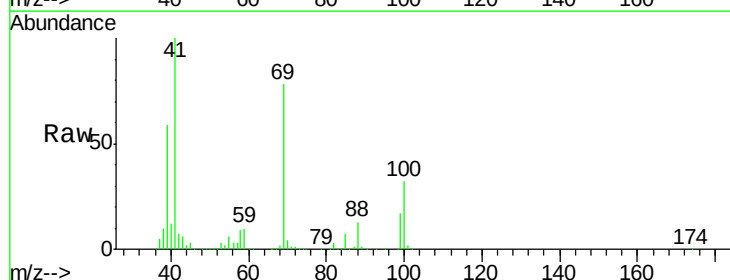
Tgt Ion: 41 Resp: 193153

Ion Ratio Lower Upper

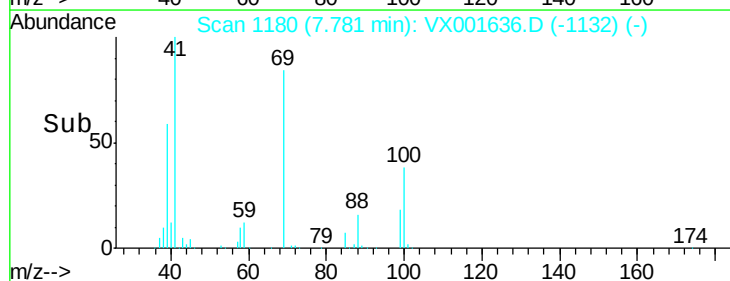
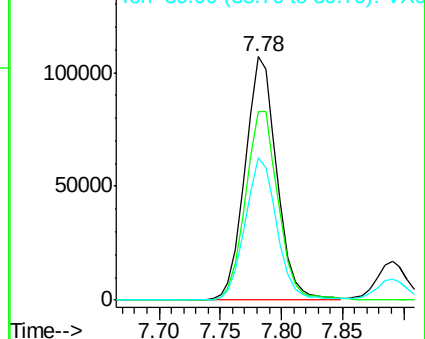
41 100

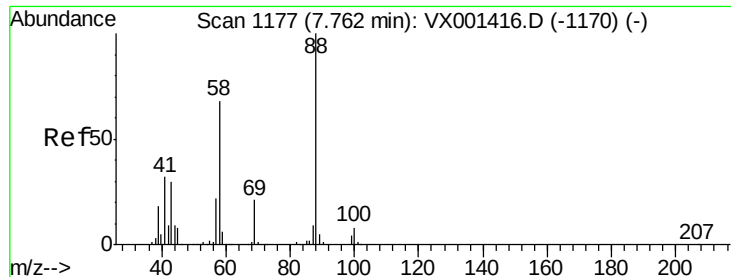
69 80.6 63.4 95.2

39 58.3 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

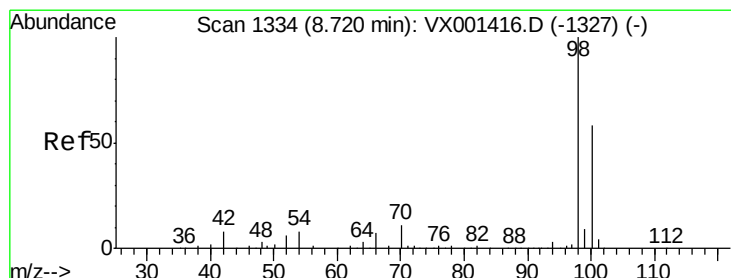
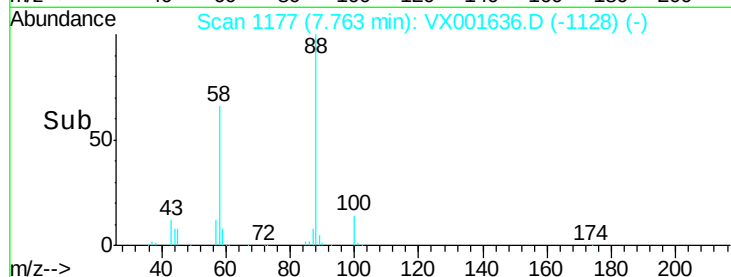
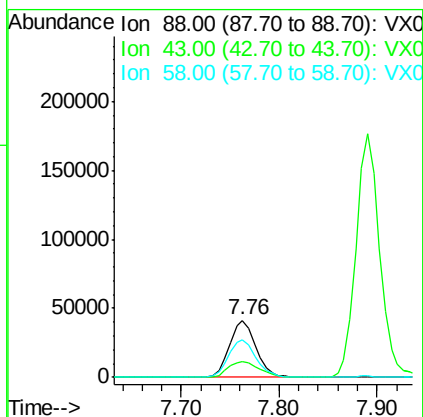
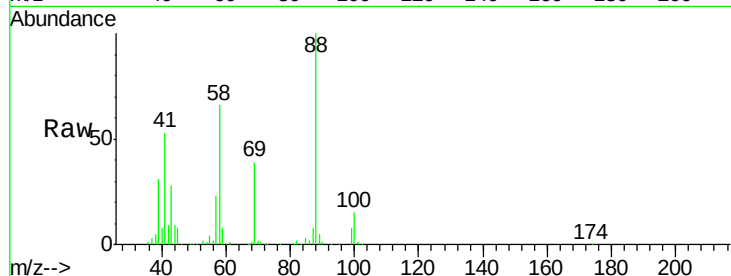




#49
1,4-Dioxane
Concen: 955.46 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. 0.00 min
Lab File: VX001636.D
Acq: 11 May 2018 13:08

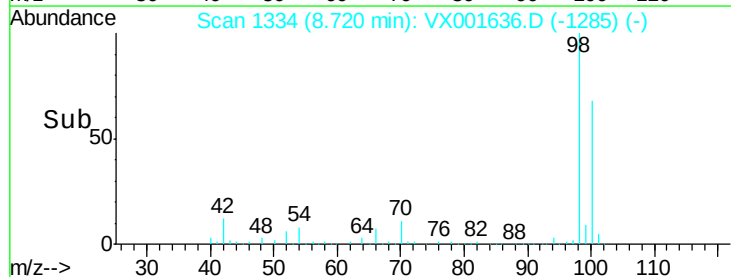
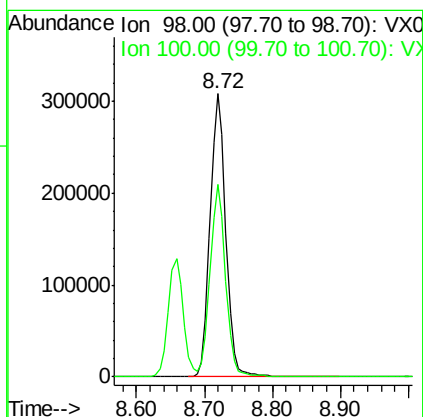
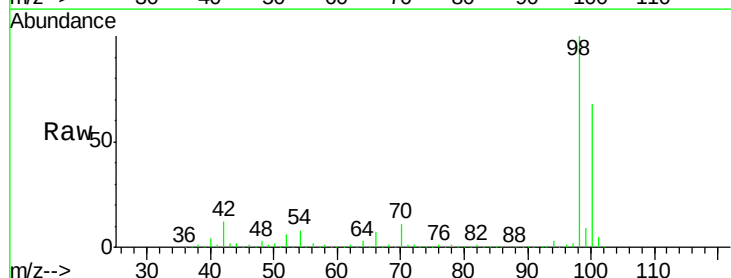
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

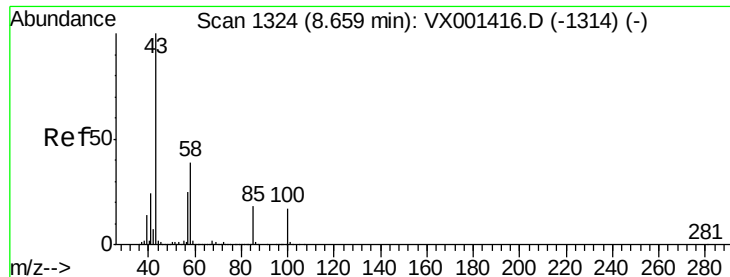
Tgt Ion: 88 Resp: 77646
Ion Ratio Lower Upper
88 100
43 33.4 26.4 39.6
58 68.4 54.1 81.1



#50
Toluene-d8
Concen: 47.02 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX001636.D
Acq: 11 May 2018 13:08

Tgt Ion: 98 Resp: 492679
Ion Ratio Lower Upper
98 100
100 67.3 54.0 81.0





#51

4-Methyl-2-Pentanone

Concen: 255.55 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. 0.00 min

Lab File: VX001636.D

Acq: 11 May 2018 13:08

Instrument :

MSVOA_X

ClientSampleId :

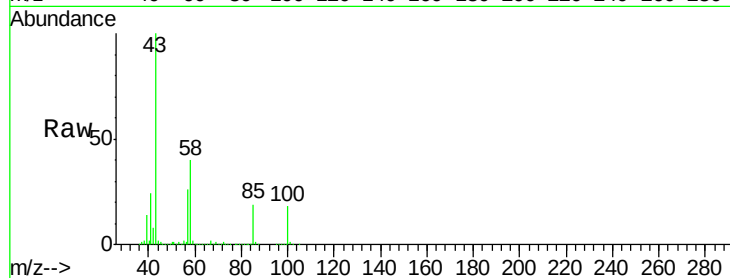
VSTDCCC050

Tgt Ion: 43 Resp: 1173073

Ion Ratio Lower Upper

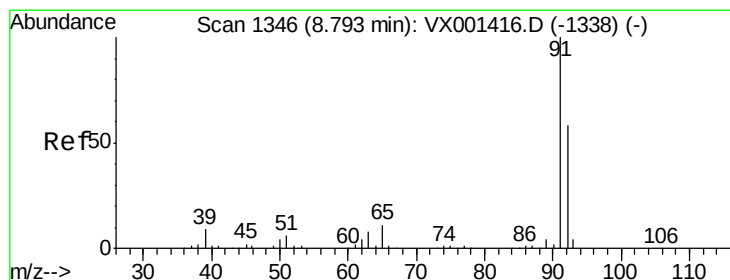
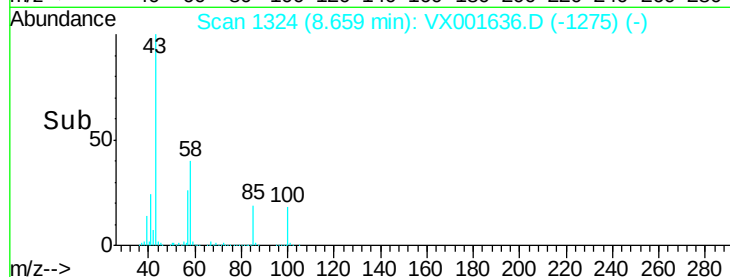
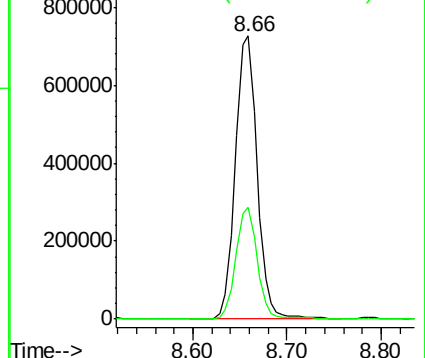
43 100

58 38.7 30.8 46.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 54.64 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.01 min

Lab File: VX001636.D

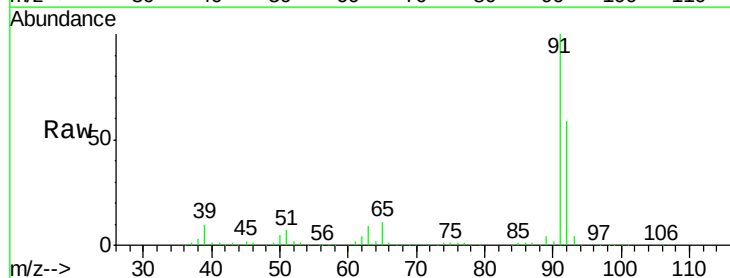
Acq: 11 May 2018 13:08

Tgt Ion: 92 Resp: 428400

Ion Ratio Lower Upper

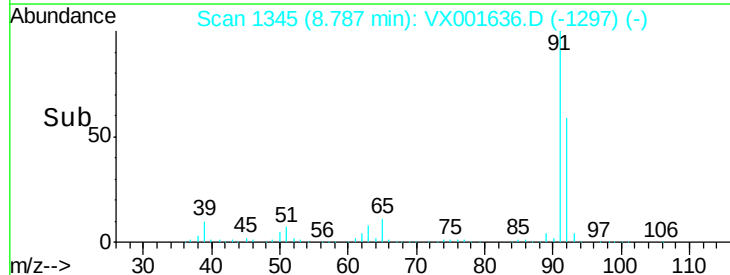
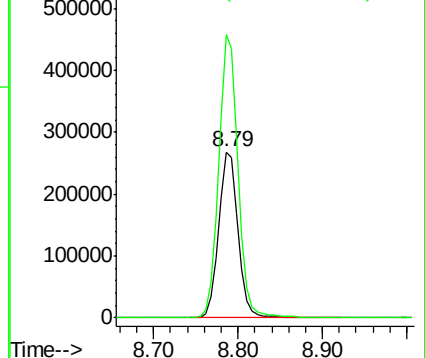
92 100

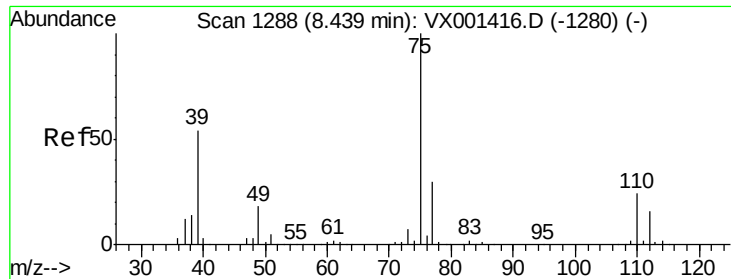
91 169.4 135.2 202.8



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

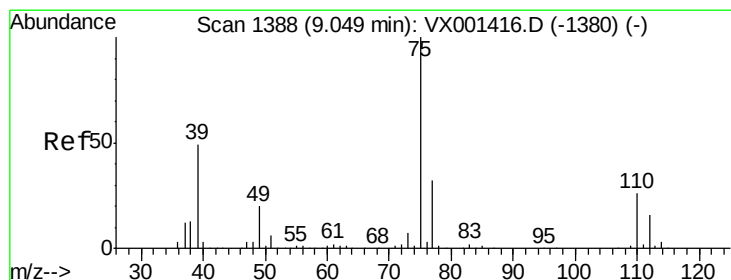
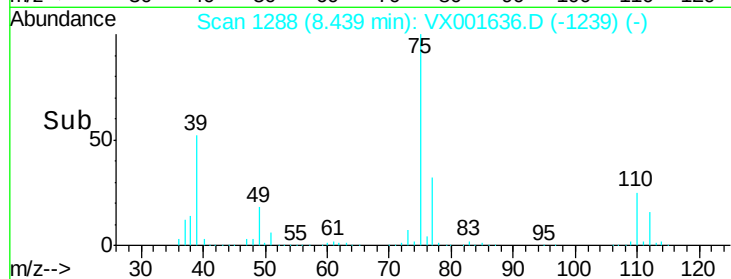
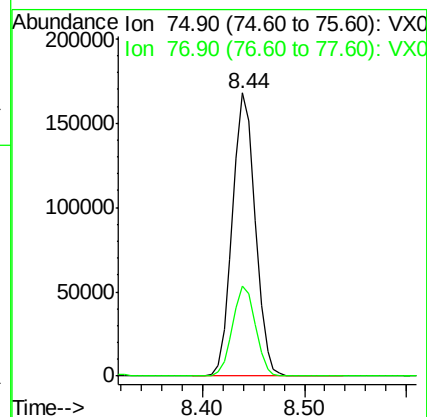
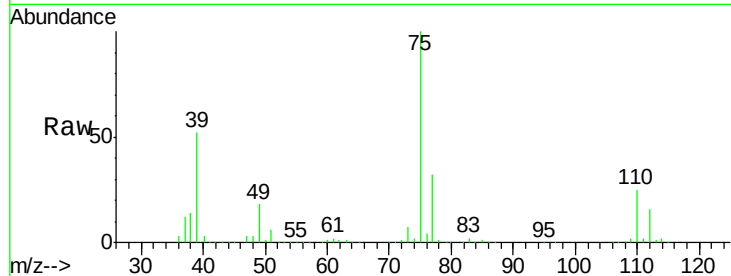




#53
t-1,3-Dichloropropene
Concen: 58.77 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. 0.00 min
Lab File: VX001636.D
Acq: 11 May 2018 13:08

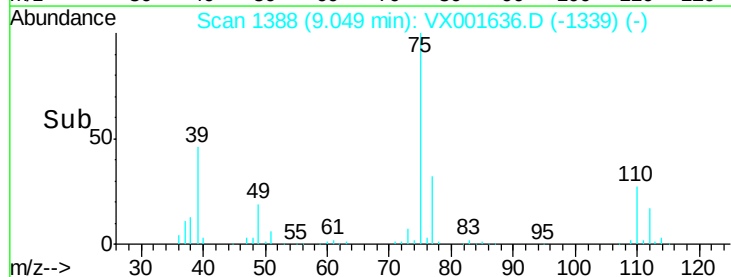
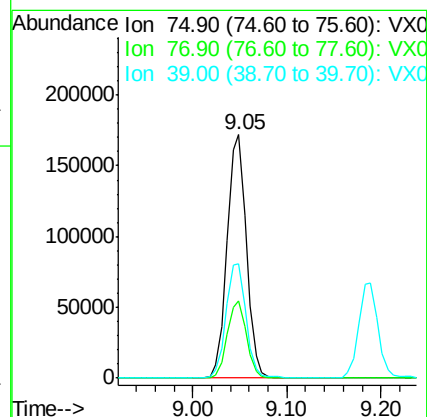
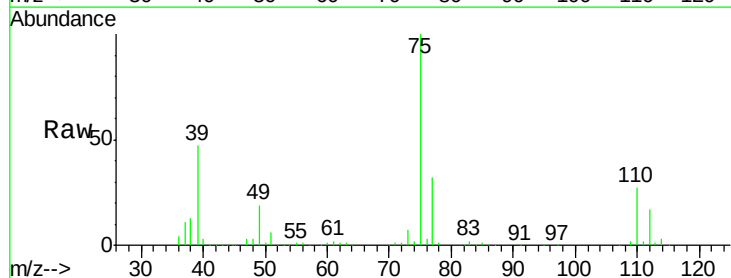
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

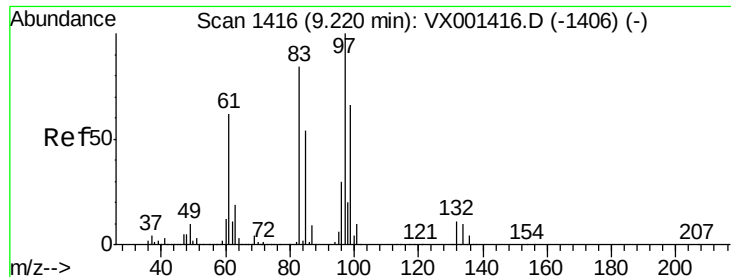
Tgt Ion: 75 Resp: 260136
Ion Ratio Lower Upper
75 100
77 32.1 24.2 36.4



#54
cis-1,3-Dichloropropene
Concen: 53.13 ug/l
RT: 9.05 min Scan# 1388
Delta R.T. 0.00 min
Lab File: VX001636.D
Acq: 11 May 2018 13:08

Tgt Ion: 75 Resp: 243808
Ion Ratio Lower Upper
75 100
77 31.8 25.5 38.3
39 46.7 38.9 58.3

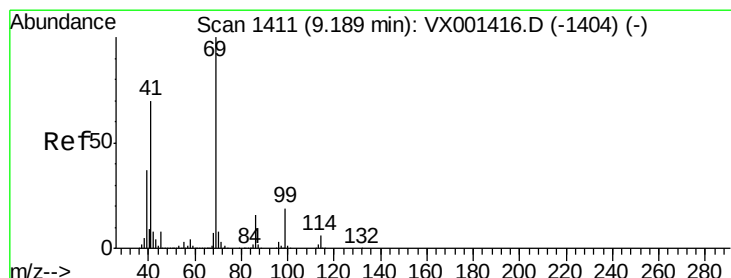
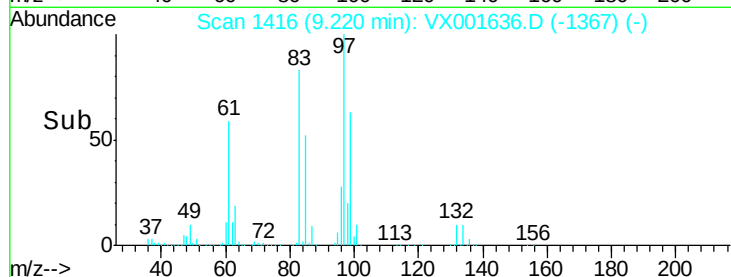
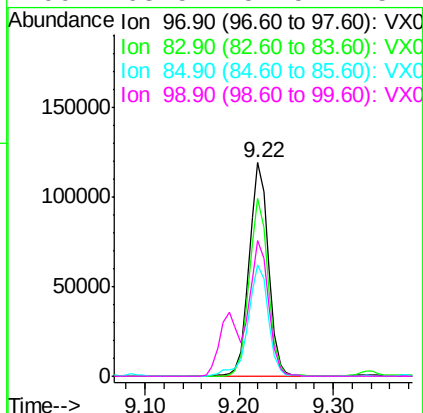
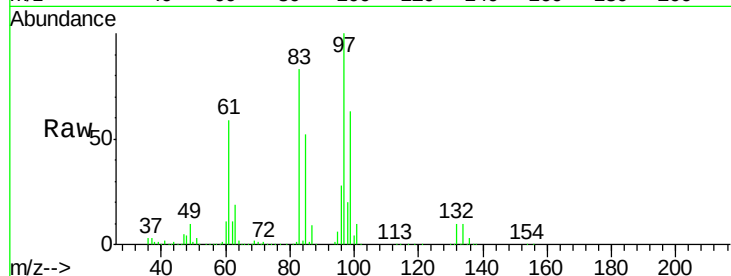




#55
 1,1,2-Trichloroethane
 Concen: 54.35 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX001636.D
 Acq: 11 May 2018 13:08

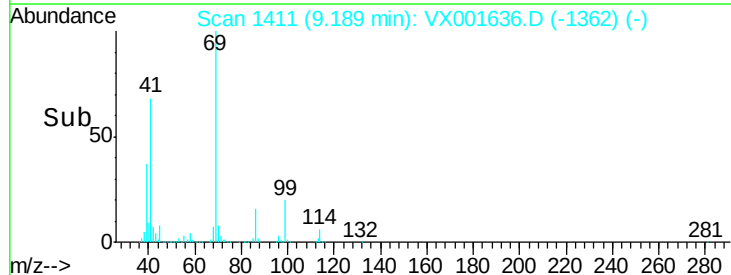
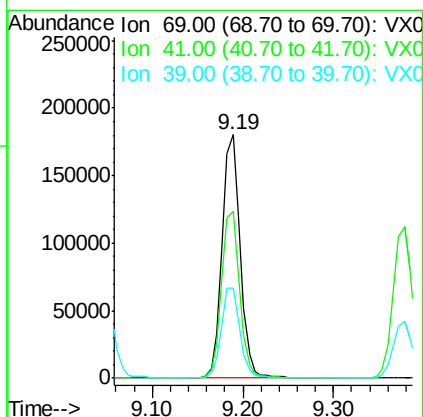
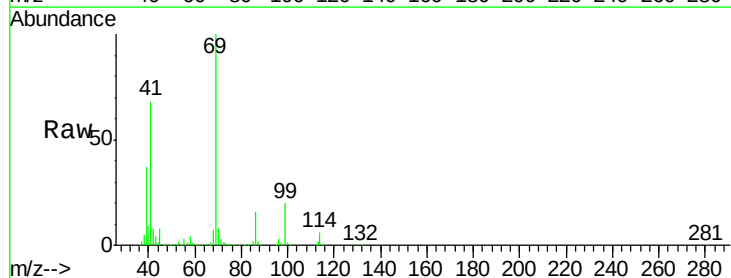
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

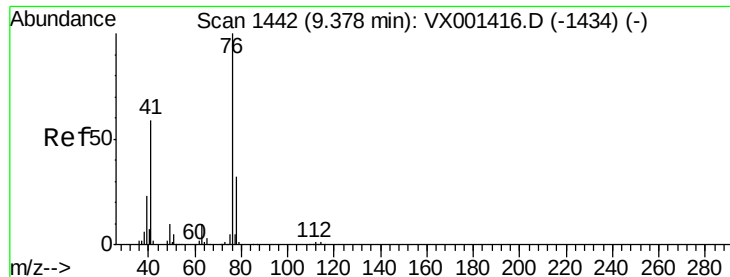
Tgt Ion:	97	Resp:	171668
Ion	Ratio	Lower	Upper
97	100		
83	83.4	67.4	101.0
85	52.3	43.3	64.9
99	63.5	52.5	78.7



#56
 Ethyl methacrylate
 Concen: 55.39 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. 0.00 min
 Lab File: VX001636.D
 Acq: 11 May 2018 13:08

Tgt Ion:	69	Resp:	252182
Ion	Ratio	Lower	Upper
69	100		
41	69.0	55.1	82.7
39	38.0	29.9	44.9





#57

1,3-Dichloropropane

Concen: 51.69 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VX001636.D

Acq: 11 May 2018 13:08

Instrument :

MSVOA_X

ClientSampleId :

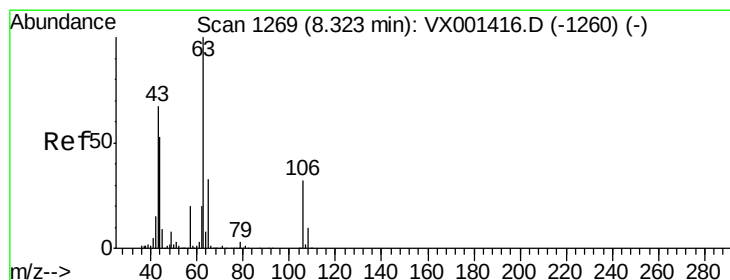
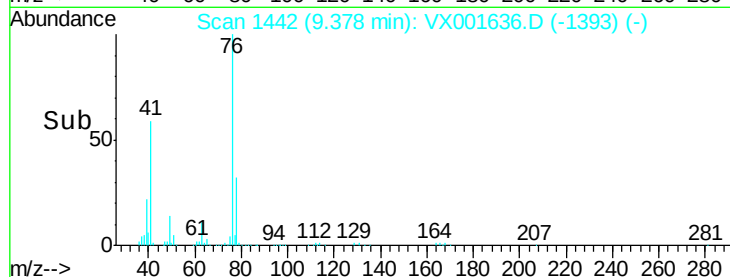
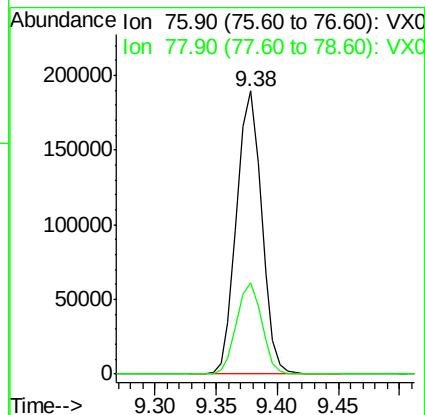
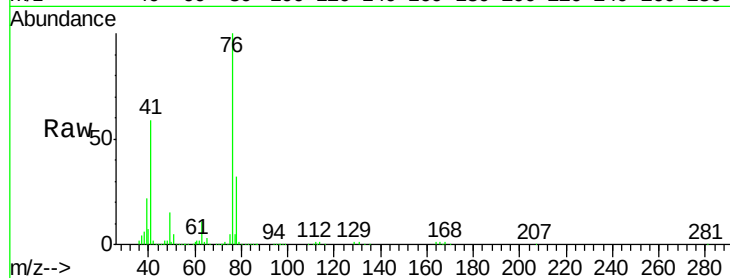
VSTDCCC050

Tgt Ion: 76 Resp: 269945

Ion Ratio Lower Upper

76 100

78 32.4 25.8 38.6



#58

2-Chloroethyl Vinyl ether

Concen: 280.58 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. -0.01 min

Lab File: VX001636.D

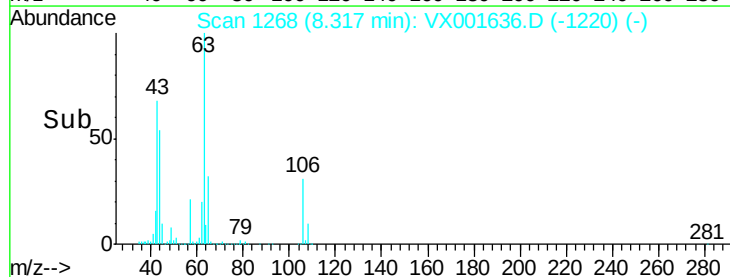
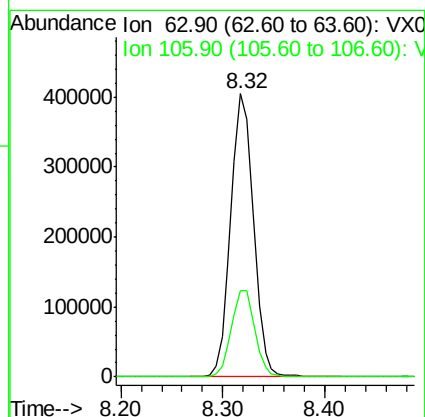
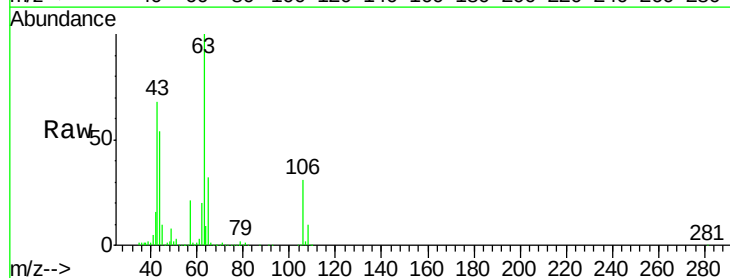
Acq: 11 May 2018 13:08

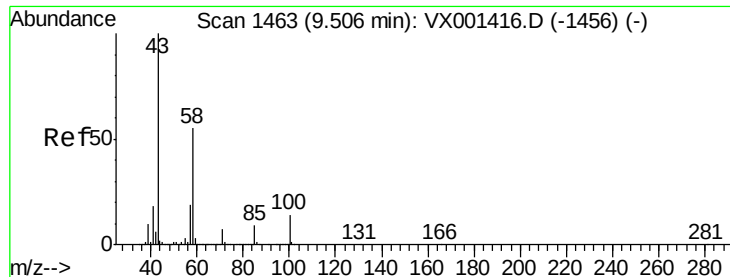
Tgt Ion: 63 Resp: 626595

Ion Ratio Lower Upper

63 100

106 31.5 25.4 38.0

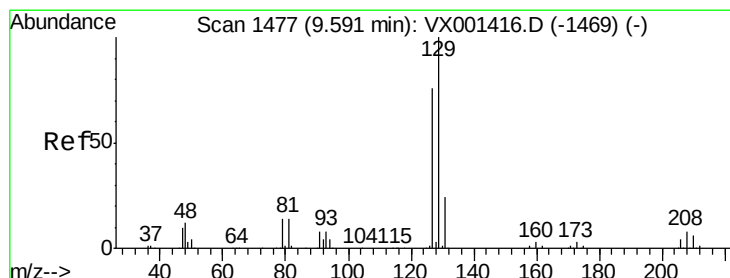
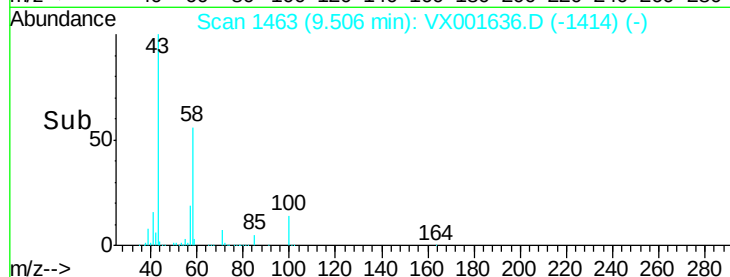
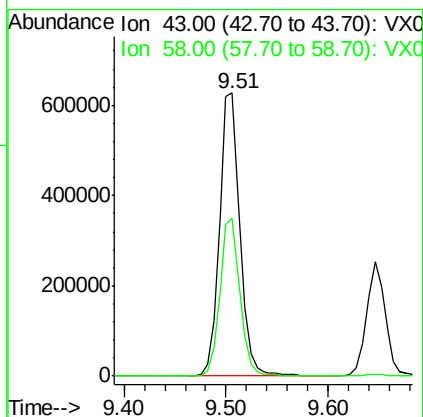
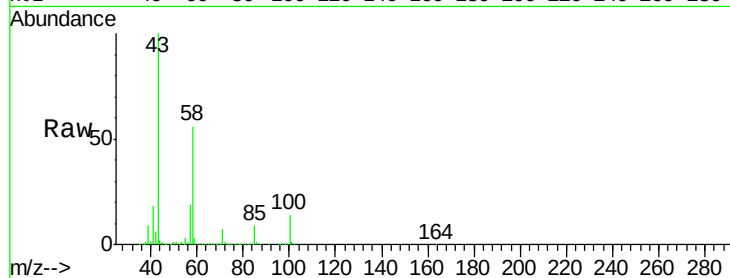




#59
2-Hexanone
Concen: 250.67 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. 0.00 min
Lab File: VX001636.D
Acq: 11 May 2018 13:08

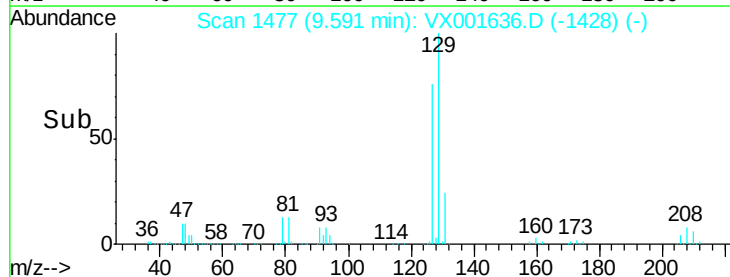
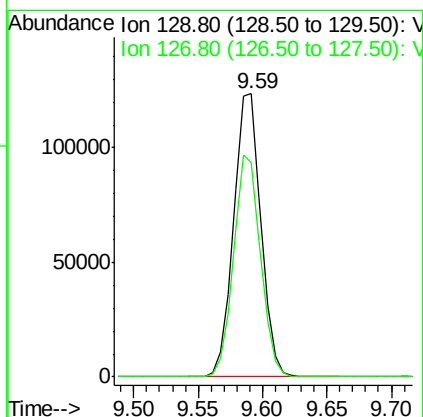
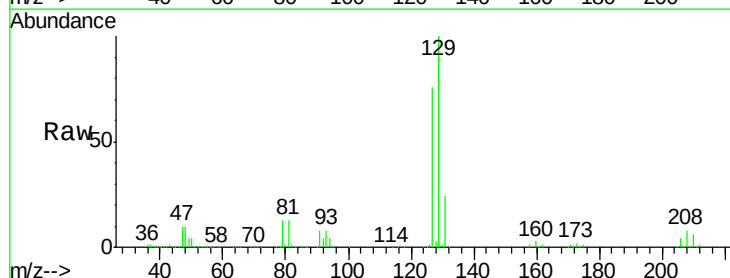
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

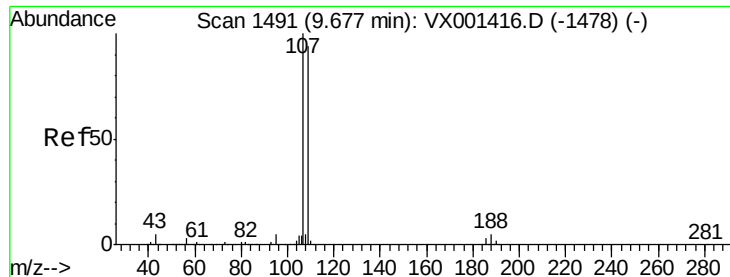
Tgt Ion: 43 Resp: 881143
Ion Ratio Lower Upper
43 100
58 54.7 27.1 81.2



#60
Dibromochloromethane
Concen: 56.37 ug/l
RT: 9.59 min Scan# 1477
Delta R.T. 0.00 min
Lab File: VX001636.D
Acq: 11 May 2018 13:08

Tgt Ion: 129 Resp: 182350
Ion Ratio Lower Upper
129 100
127 77.2 38.1 114.5





#61

1,2-Dibromoethane

Concen: 52.31 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX001636.D

Acq: 11 May 2018 13:08

Instrument :

MSVOA_X

ClientSampled :

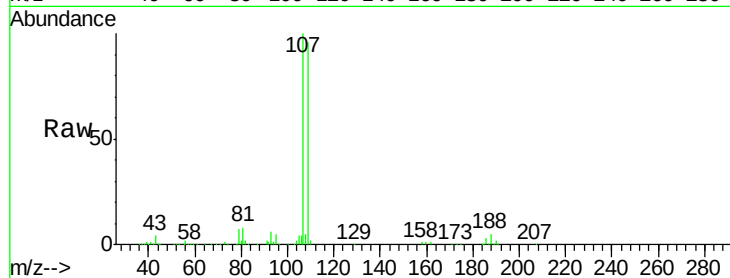
VSTDCCC050

Tgt Ion: 107 Resp: 173468

Ion Ratio Lower Upper

107 100

109 95.3 75.5 113.3



Abundance Ion 106.90 (106.60 to 107.60): V

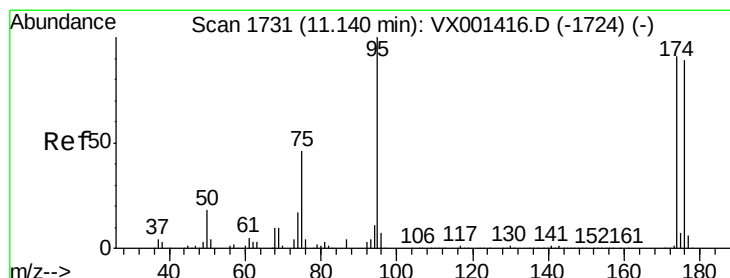
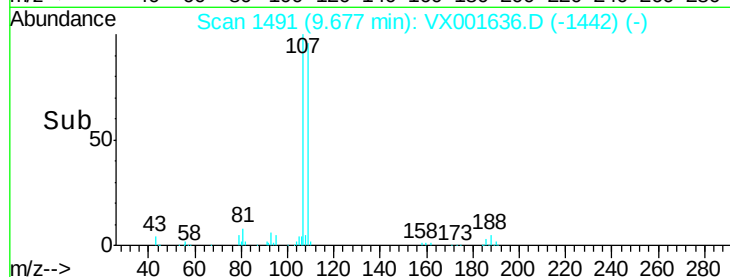
Ion 108.80 (108.50 to 109.50): V

9.68

100000

50000

Time-->



#62

4-Bromofluorobenzene

Concen: 46.46 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX001636.D

Acq: 11 May 2018 13:08

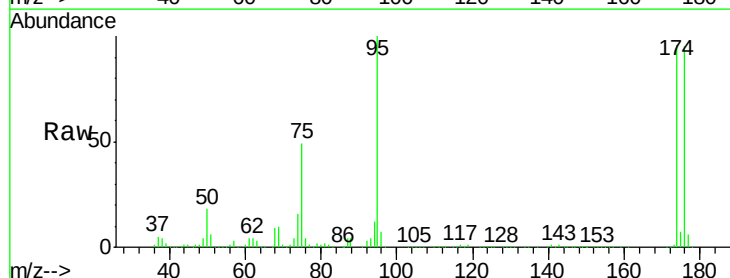
Tgt Ion: 95 Resp: 186869

Ion Ratio Lower Upper

95 100

174 101.8 0.0 202.0

176 100.7 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

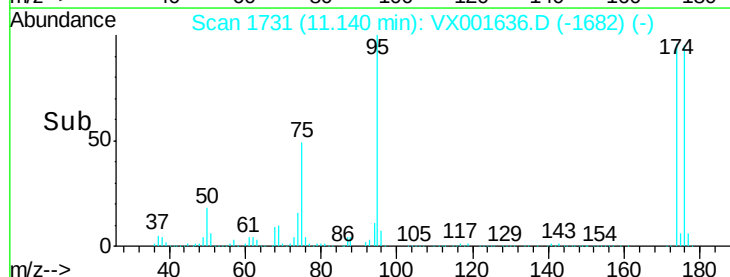
200000

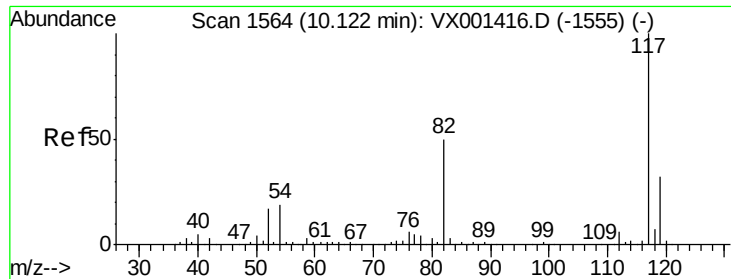
150000

100000

50000

Time-->

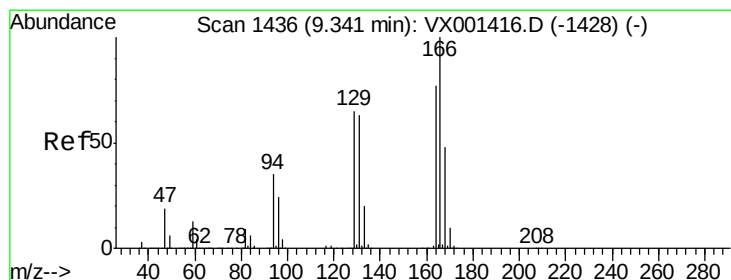
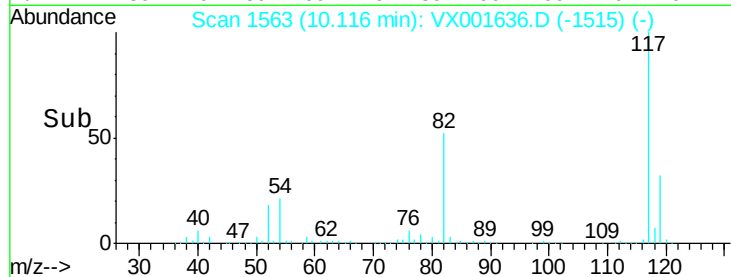
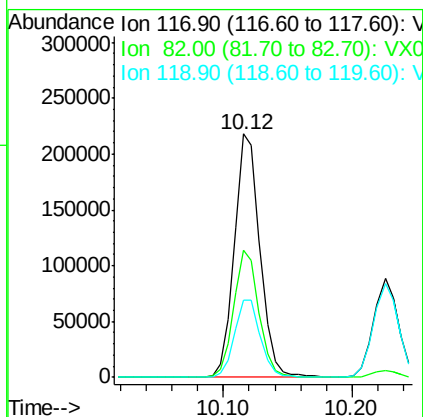
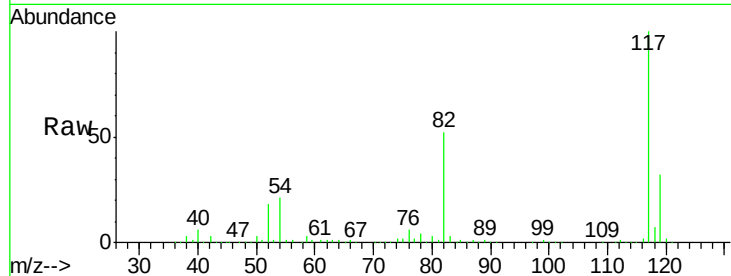




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.01 min
Lab File: VX001636.D
Acq: 11 May 2018 13:08

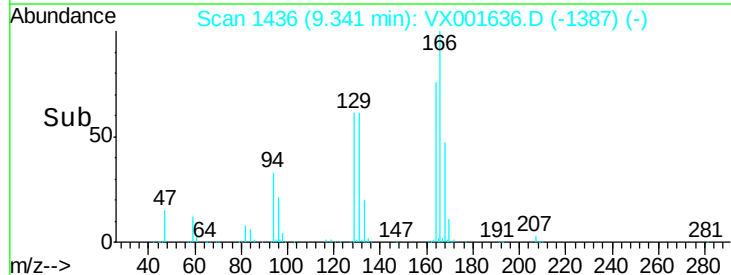
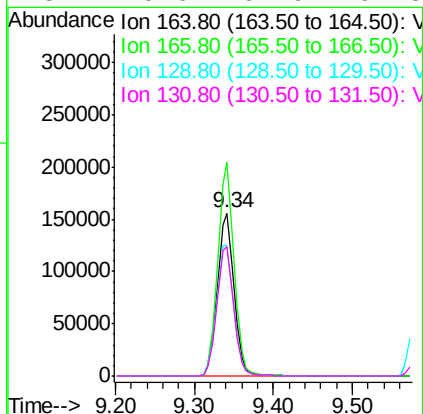
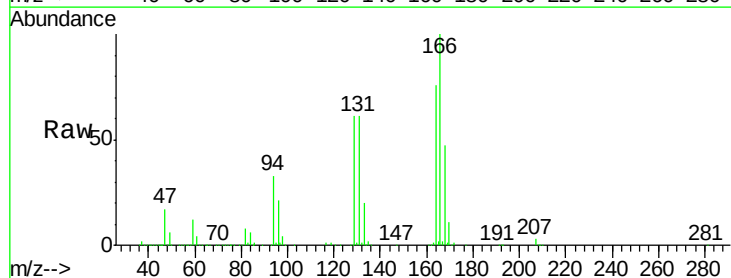
Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

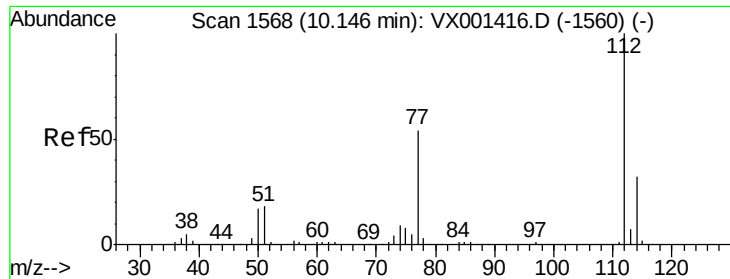
Tgt Ion:117 Resp: 302195
Ion Ratio Lower Upper
117 100
82 52.2 40.0 60.0
119 31.9 25.8 38.8



#64
Tetrachloroethene
Concen: 54.69 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.00 min
Lab File: VX001636.D
Acq: 11 May 2018 13:08

Tgt Ion:164 Resp: 230373
Ion Ratio Lower Upper
164 100
166 131.1 103.5 155.3
129 80.0 66.7 100.1
131 79.6 64.9 97.3





#65

Chlorobenzene

Concen: 53.64 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. -0.01 min

Lab File: VX001636.D

Acq: 11 May 2018 13:08

Instrument :

MSVOA_X

ClientSampleId :

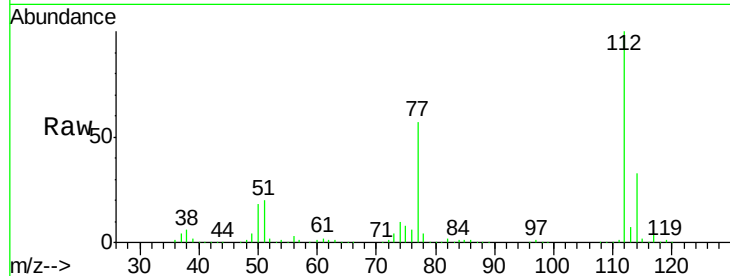
VSTDCCC050

Tgt Ion:112 Resp: 475417

Ion Ratio Lower Upper

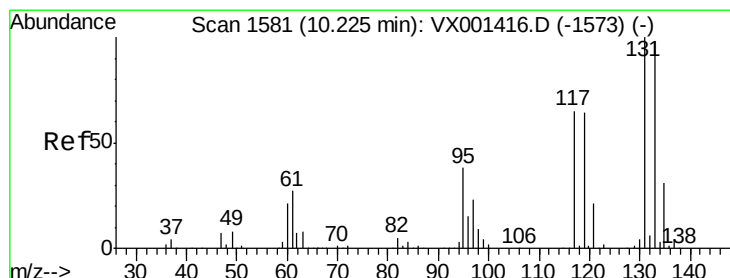
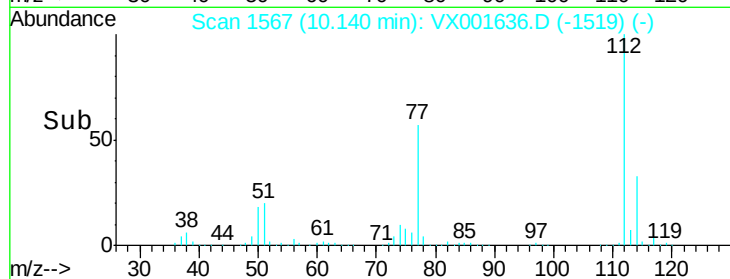
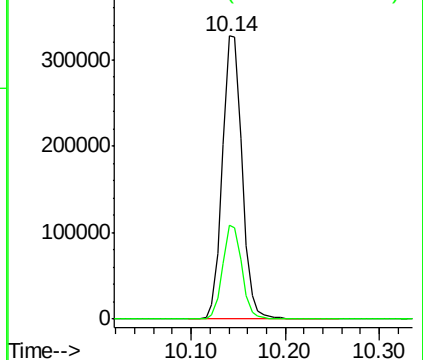
112 100

114 33.1 26.0 39.0



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 56.66 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VX001636.D

Acq: 11 May 2018 13:08

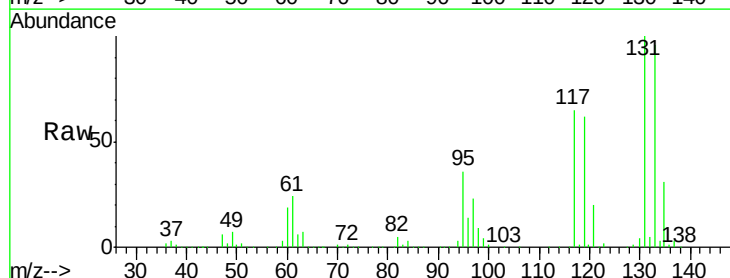
Tgt Ion:131 Resp: 179619

Ion Ratio Lower Upper

131 100

133 95.9 47.9 143.8

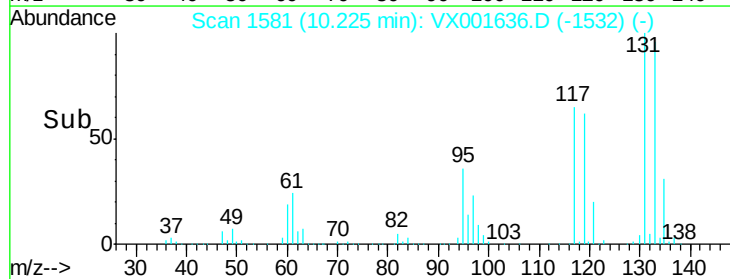
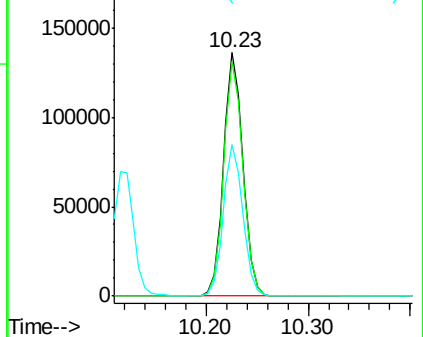
119 62.7 31.1 93.3

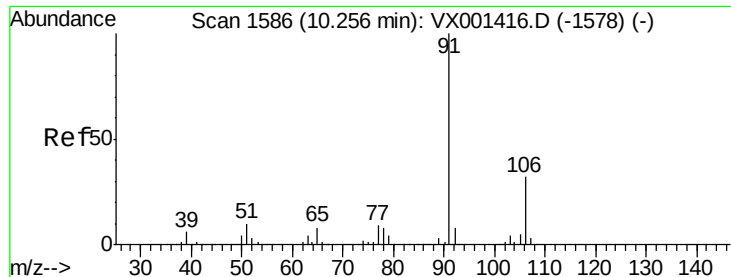


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 54.75 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VX001636.D

Acq: 11 May 2018 13:08

Instrument :

MSVOA_X

ClientSampleId :

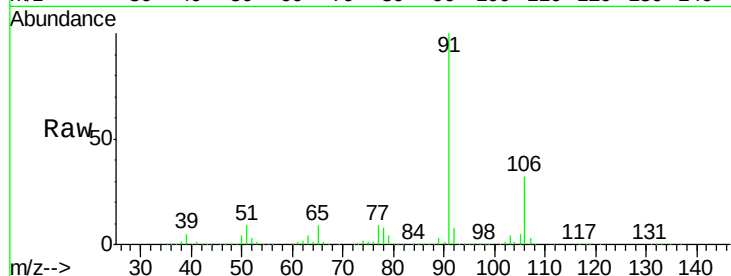
VSTDCCC050

Tgt Ion: 91 Resp: 795259

Ion Ratio Lower Upper

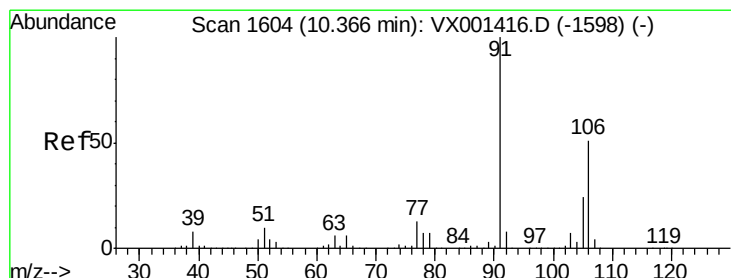
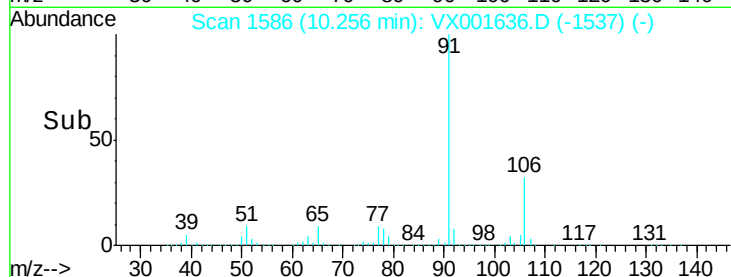
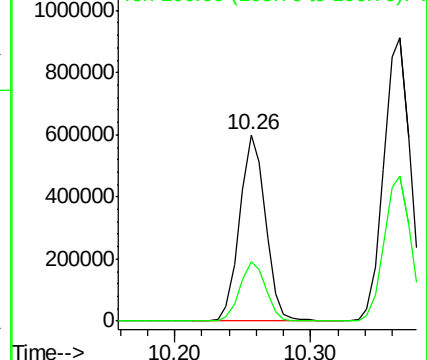
91 100

106 32.1 25.5 38.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 110.74 ug/l

RT: 10.37 min Scan# 1604

Delta R.T. 0.00 min

Lab File: VX001636.D

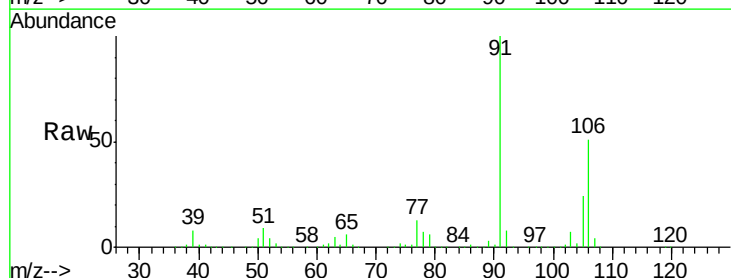
Acq: 11 May 2018 13:08

Tgt Ion: 106 Resp: 635633

Ion Ratio Lower Upper

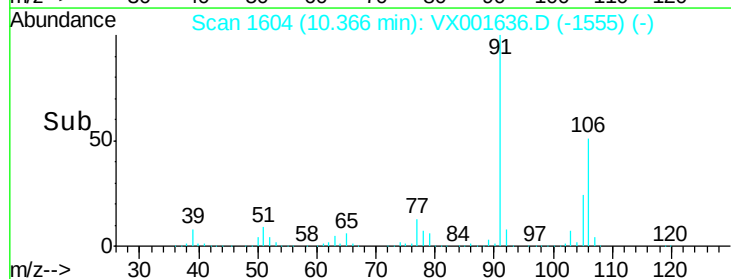
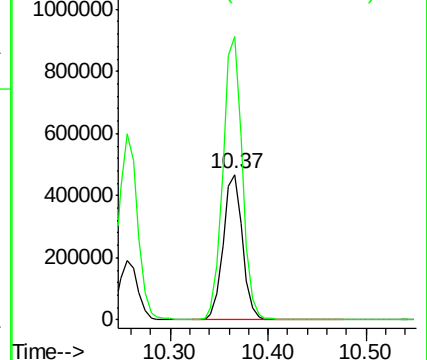
106 100

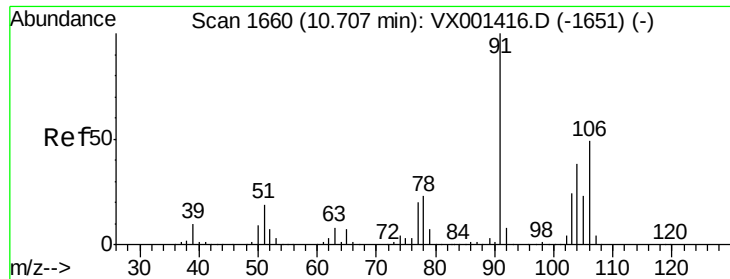
91 195.7 157.5 236.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

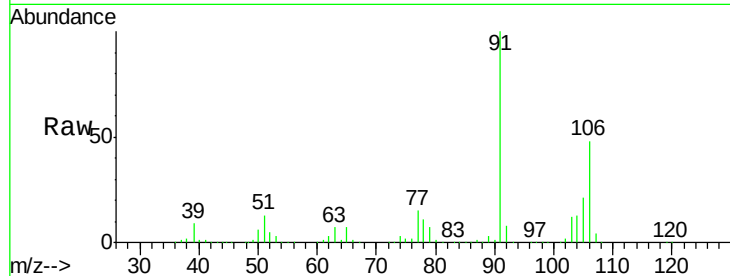




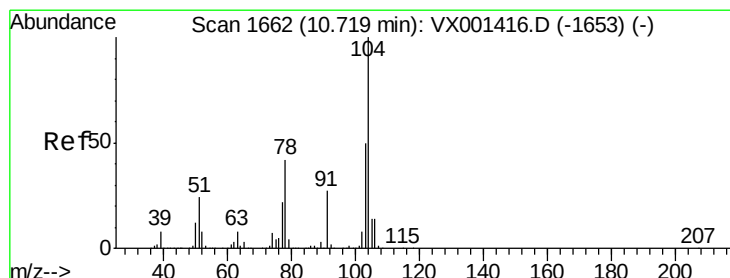
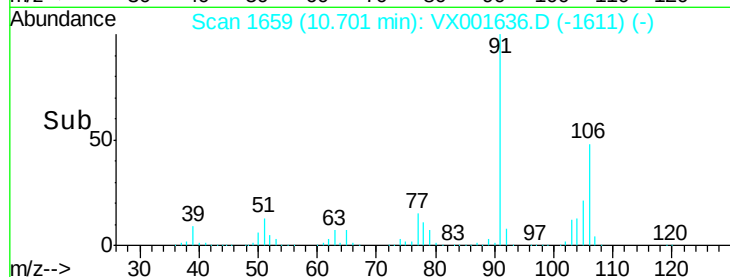
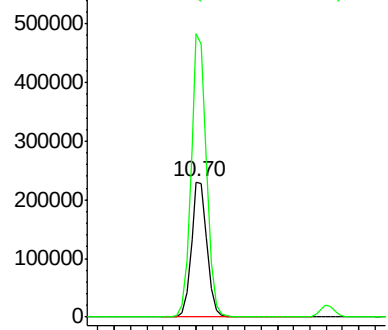
#69
o-Xylene
Concen: 55.61 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.01 min
Lab File: VX001636.D
Acq: 11 May 2018 13:08

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tgt Ion:106 Resp: 310193
Ion Ratio Lower Upper
106 100
91 206.6 103.1 309.1

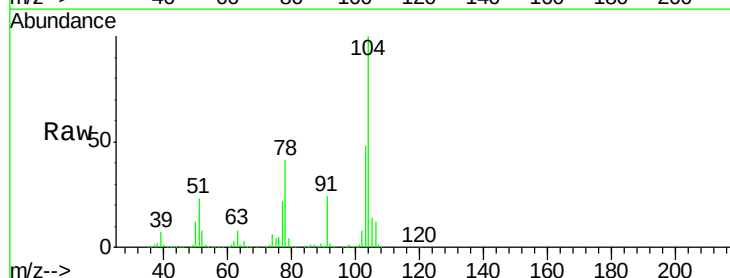


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

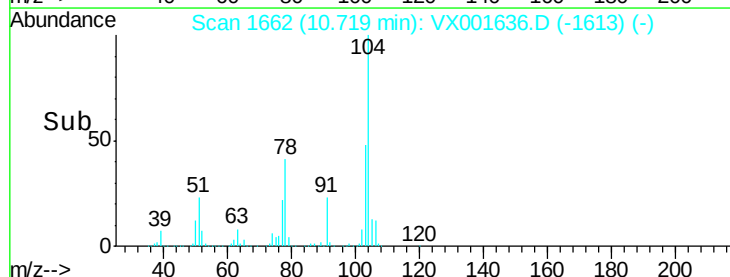
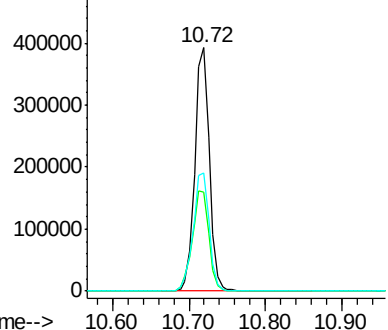


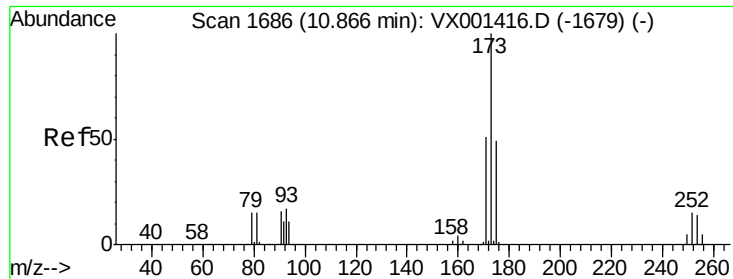
#70
Styrene
Concen: 56.82 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VX001636.D
Acq: 11 May 2018 13:08

Tgt Ion:104 Resp: 514937
Ion Ratio Lower Upper
104 100
78 46.8 38.6 58.0
103 54.1 44.0 66.0



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 49.19 ug/l

RT: 10.87 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VX001636.D

Acq: 11 May 2018 13:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

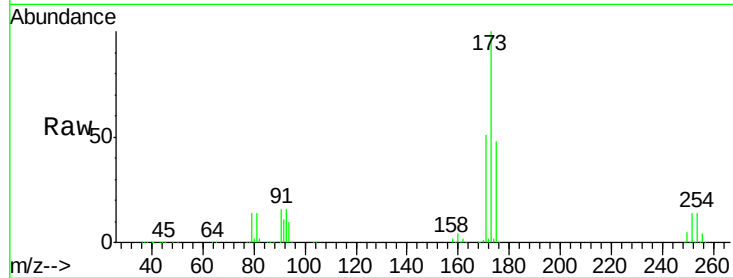
Tgt Ion:173 Resp: 149785

Ion Ratio Lower Upper

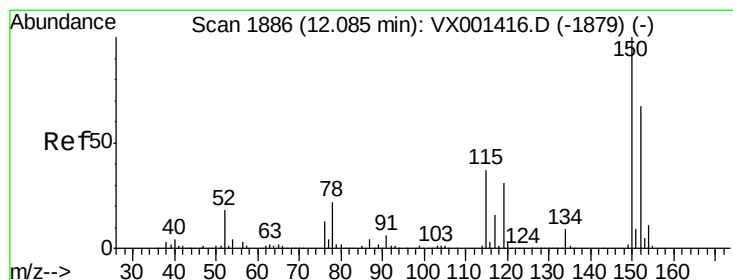
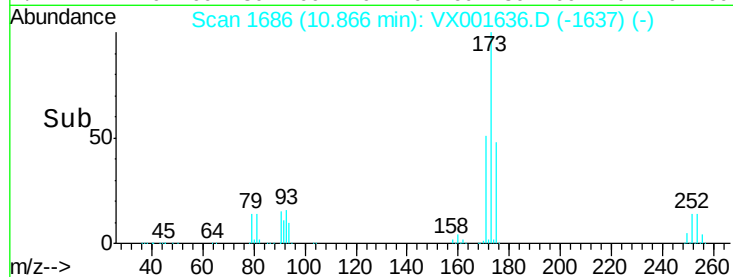
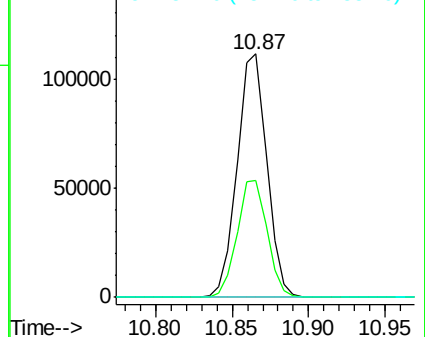
173 100

175 48.9 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: 12.08 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX001636.D

Acq: 11 May 2018 13:08

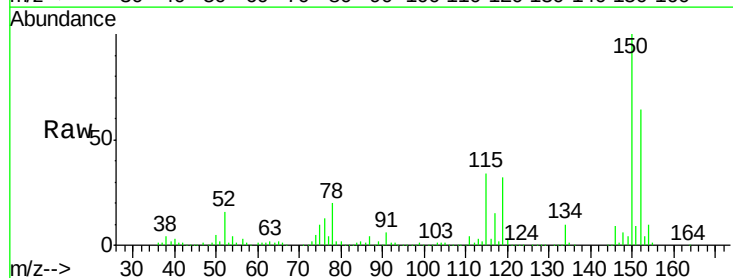
Tgt Ion:152 Resp: 221504

Ion Ratio Lower Upper

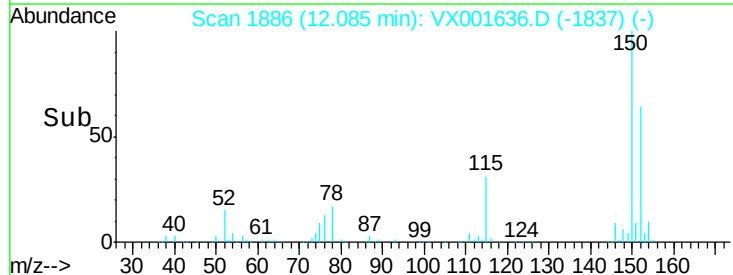
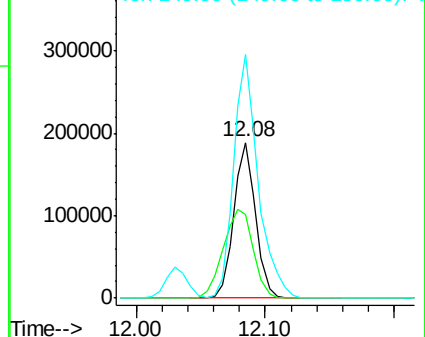
152 100

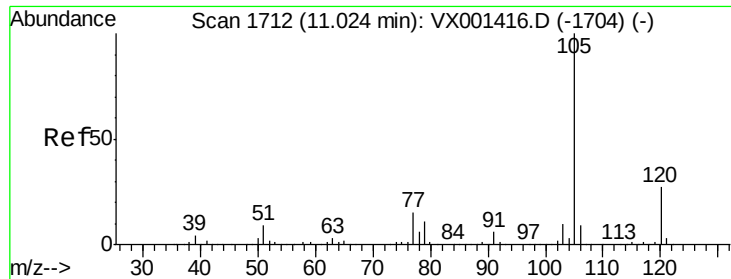
115 79.0 37.7 113.1

150 176.8 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: 55.33 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VX001636.D

Acq: 11 May 2018 13:08

Instrument :

MSVOA_X

ClientSampleId :

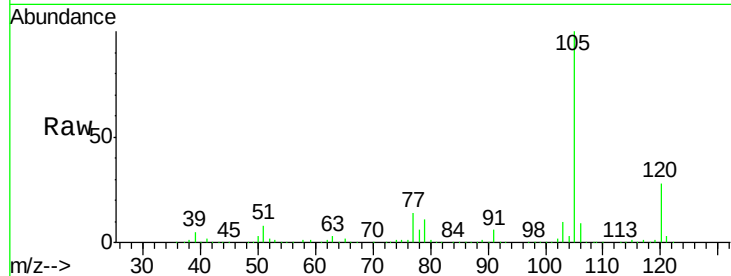
VSTDCCC050

Tgt Ion: 105 Resp: 848492

Ion Ratio Lower Upper

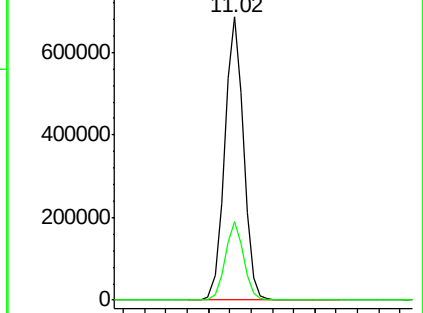
105 100

120 27.2 13.6 40.8

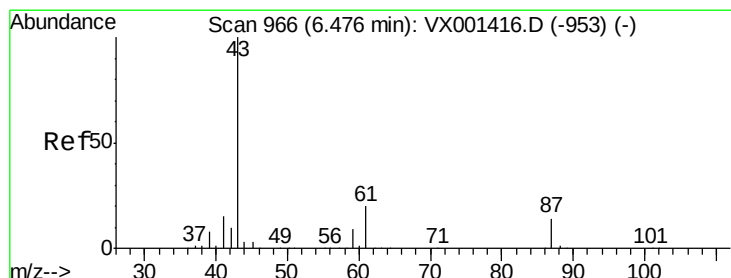
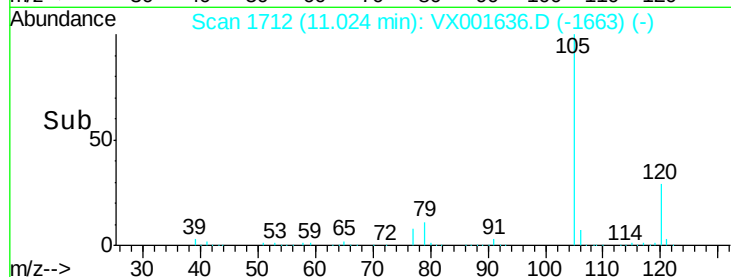


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time-->



#74

N-ethyl acetate

Concen: 52.16 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.01 min

Lab File: VX001636.D

Acq: 11 May 2018 13:08

Tgt Ion: 43 Resp: 363300

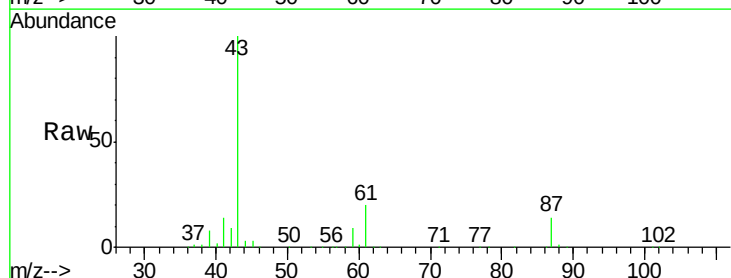
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.1 0.1 0.1

61 19.8 15.4 23.0

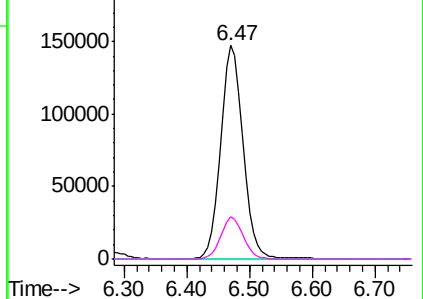


Abundance Ion 43.00 (42.70 to 43.70): VX0

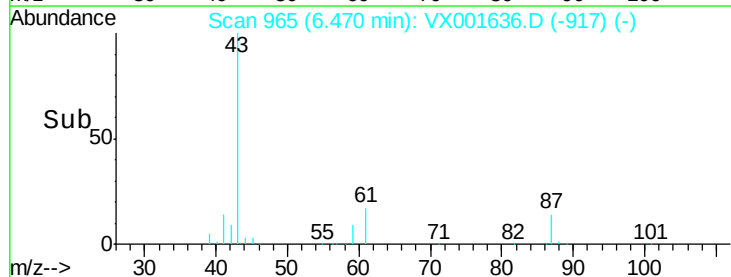
Ion 70.00 (69.70 to 70.70): VX0

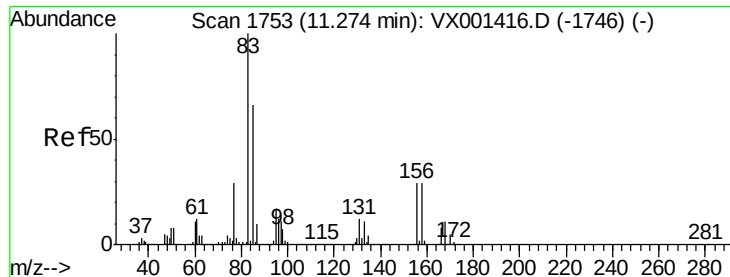
Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 52.80 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX001636.D

Acq: 11 May 2018 13:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

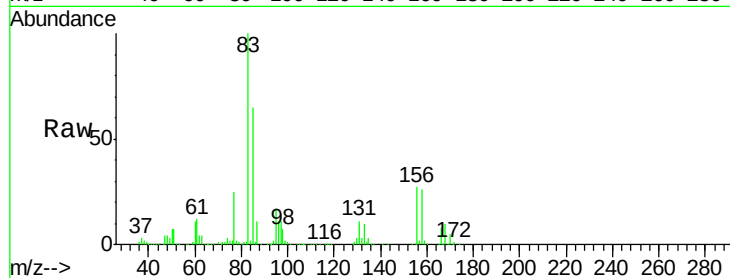
Tgt Ion: 83 Resp: 239133

Ion Ratio Lower Upper

83 100

131 11.3 5.8 17.4

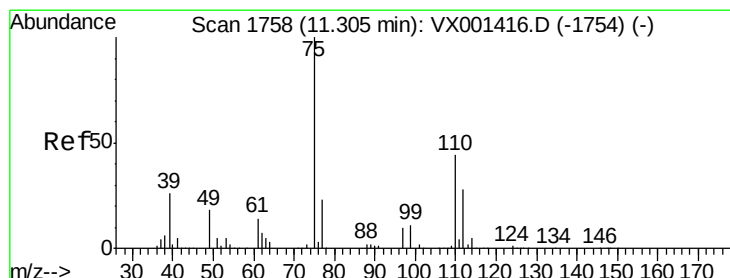
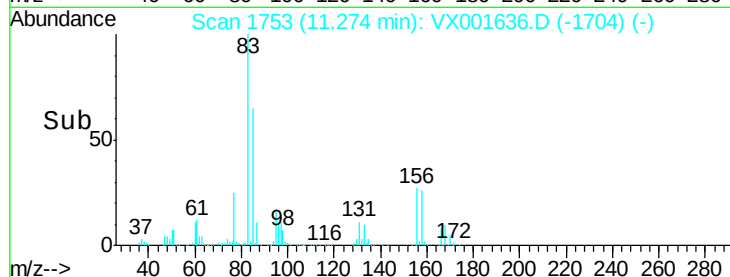
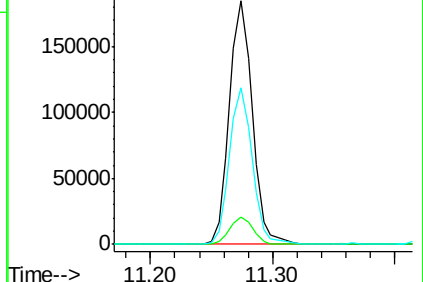
85 64.1 32.7 98.1



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



#76

1,2,3-Trichloropropane

Concen: 62.16 ug/l

RT: 11.30 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VX001636.D

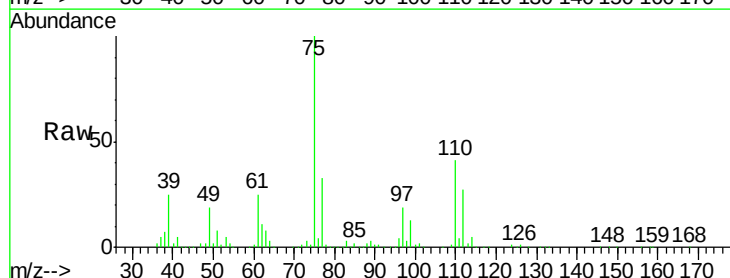
Acq: 11 May 2018 13:08

Tgt Ion: 75 Resp: 279238

Ion Ratio Lower Upper

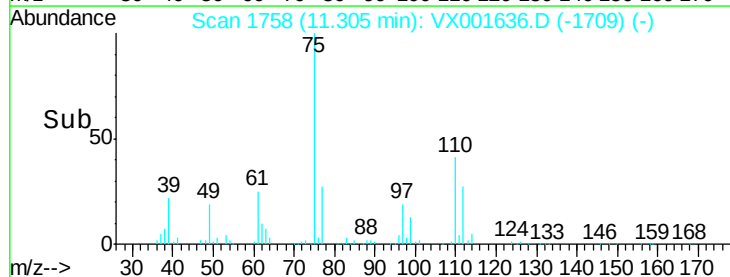
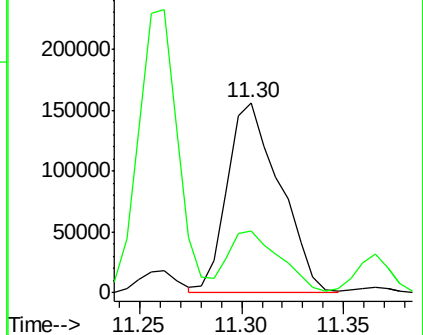
75 100

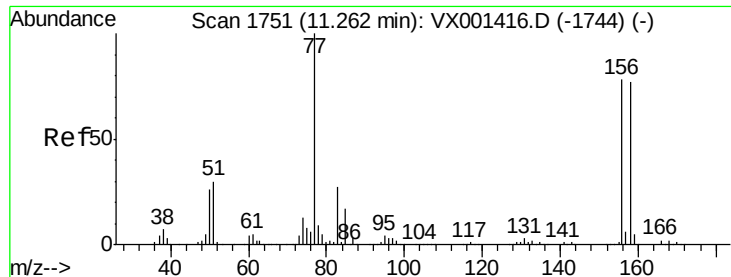
77 31.7 19.6 58.7



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 52.83 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. 0.00 min

Lab File: VX001636.D

Acq: 11 May 2018 13:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

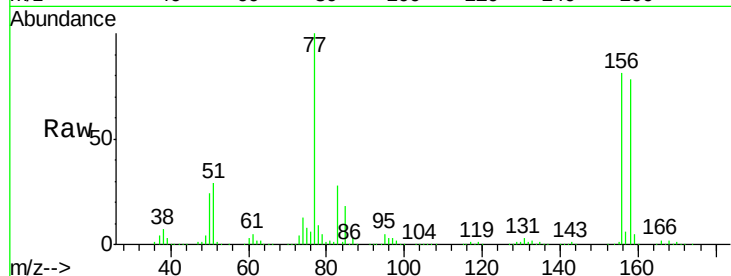
Tgt Ion:156 Resp: 235517

Ion Ratio Lower Upper

156 100

77 132.3 66.0 198.2

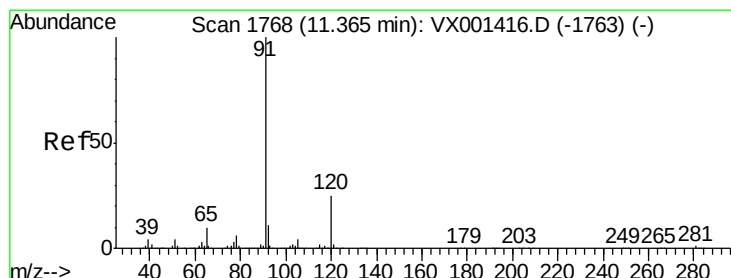
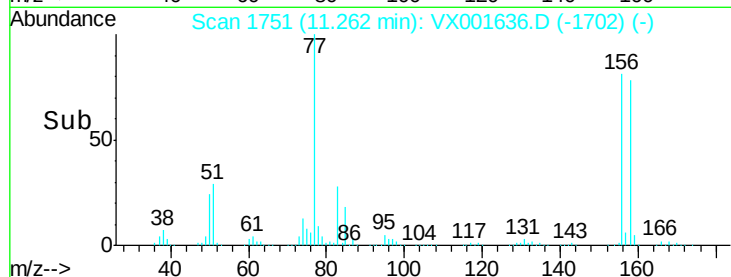
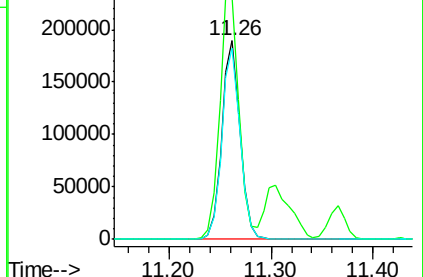
158 96.9 49.4 148.2



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: 57.16 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VX001636.D

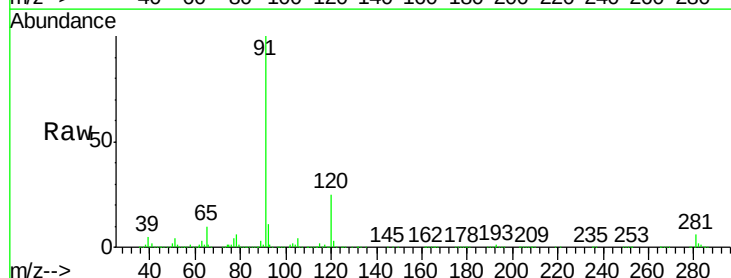
Acq: 11 May 2018 13:08

Tgt Ion: 91 Resp: 954445

Ion Ratio Lower Upper

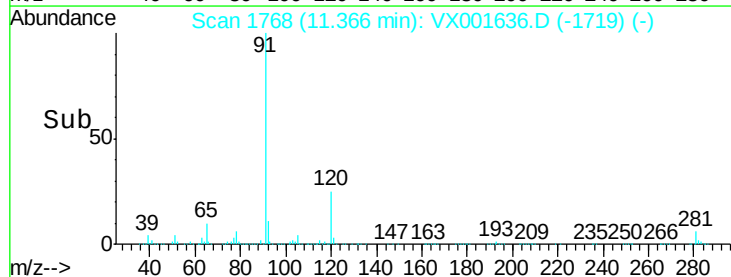
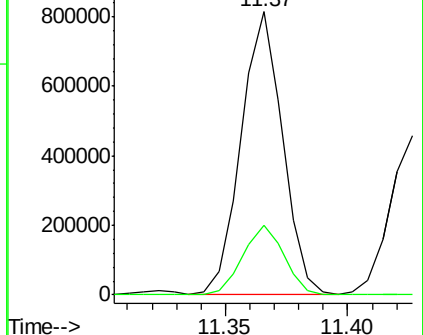
91 100

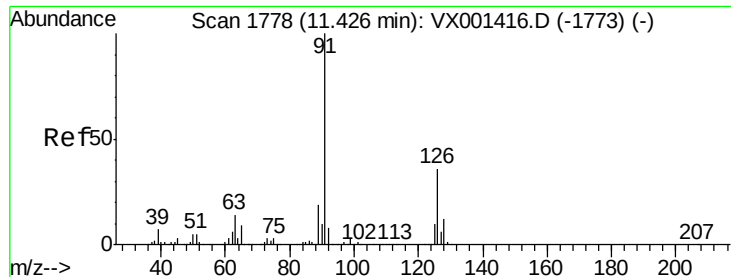
120 24.7 12.5 37.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 54.16 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX001636.D

Acq: 11 May 2018 13:08

Instrument :

MSVOA_X

ClientSampleId :

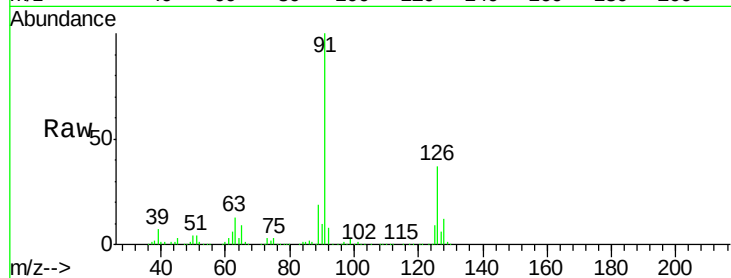
VSTDCCC050

Tgt Ion: 91 Resp: 556491

Ion Ratio Lower Upper

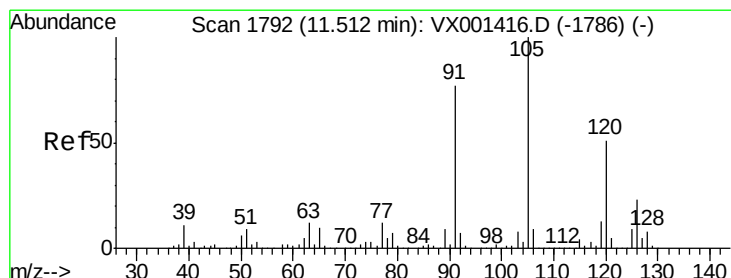
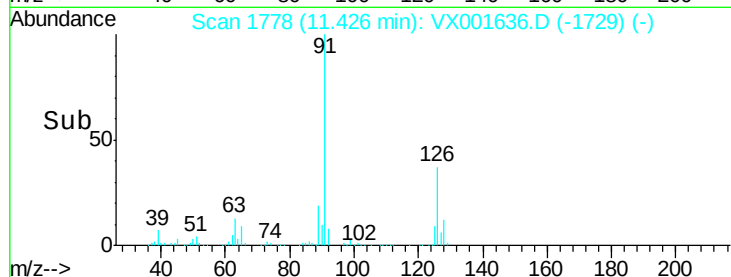
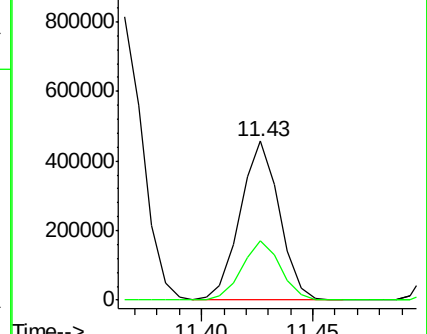
91 100

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: 55.66 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX001636.D

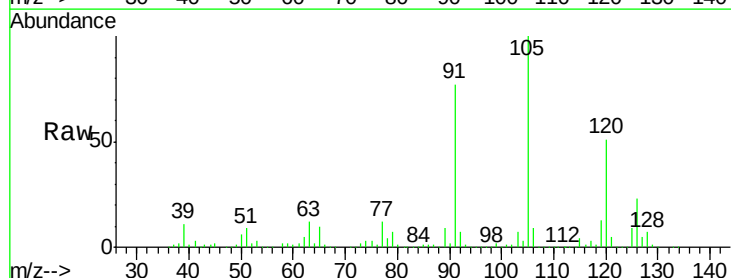
Acq: 11 May 2018 13:08

Tgt Ion: 105 Resp: 710576

Ion Ratio Lower Upper

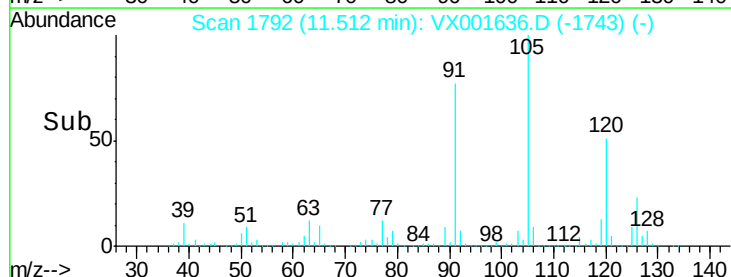
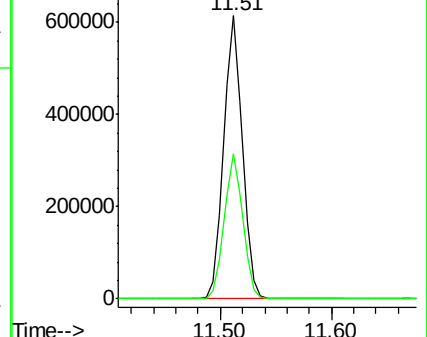
105 100

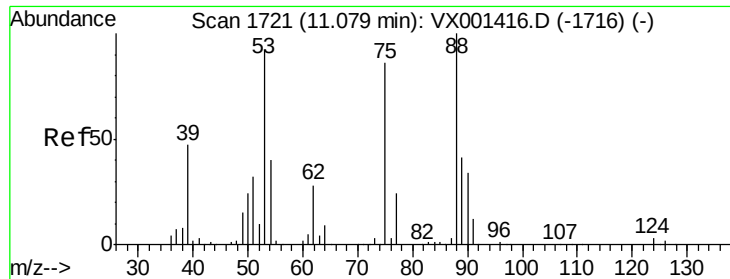
120 51.1 25.7 77.1



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: 48.81 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VX001636.D

Acq: 11 May 2018 13:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

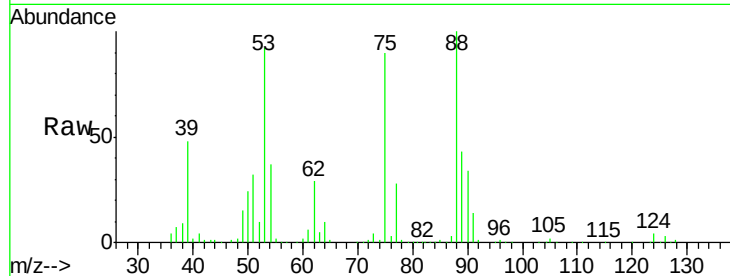
Tgt Ion: 75 Resp: 68618

Ion Ratio Lower Upper

75 100

53 101.1 84.5 126.7

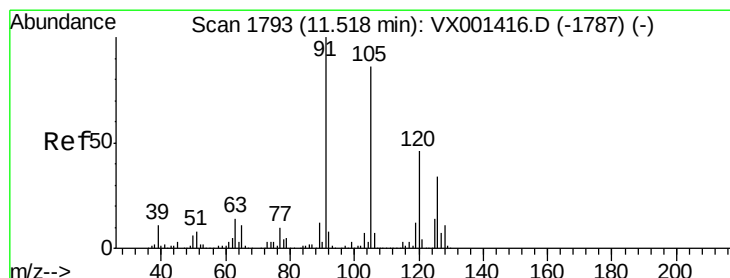
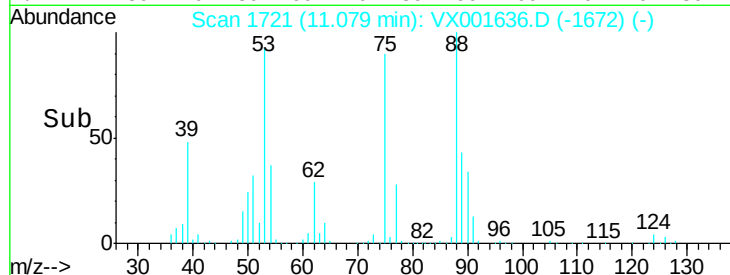
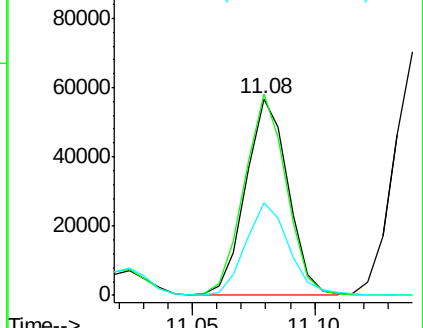
89 48.4 39.5 59.3



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 54.98 ug/l

RT: 11.52 min Scan# 1793

Delta R.T. 0.00 min

Lab File: VX001636.D

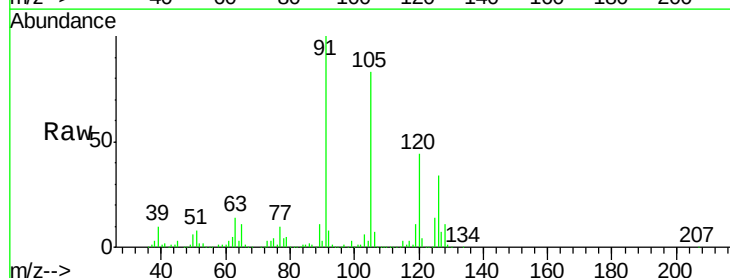
Acq: 11 May 2018 13:08

Tgt Ion: 91 Resp: 651730

Ion Ratio Lower Upper

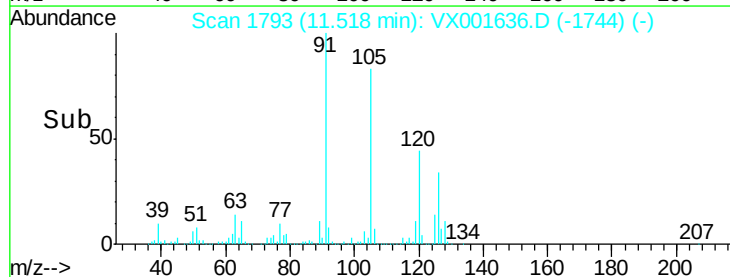
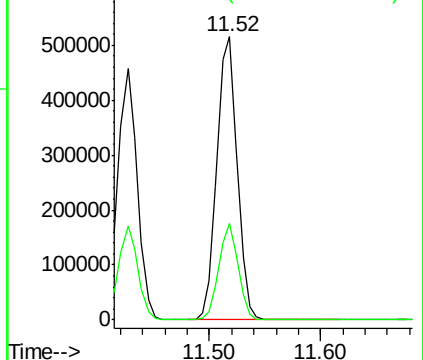
91 100

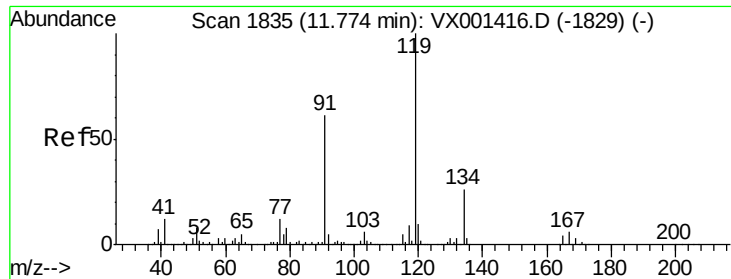
126 32.7 16.2 48.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

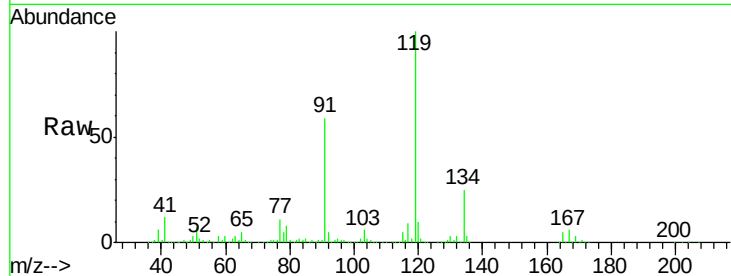




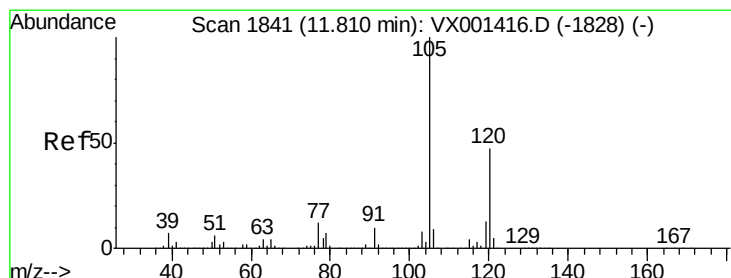
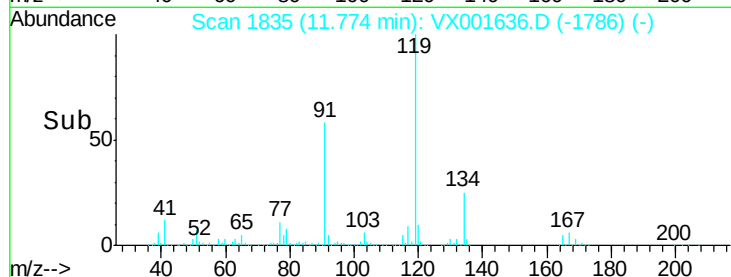
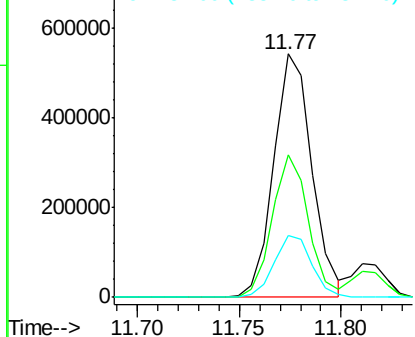
#83
 tert-Butylbenzene
 Concen: 55.51 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX001636.D
 Acq: 11 May 2018 13:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion:119 Resp: 705110
 Ion Ratio Lower Upper
 119 100
 91 55.5 27.8 83.3
 134 25.0 12.4 37.0

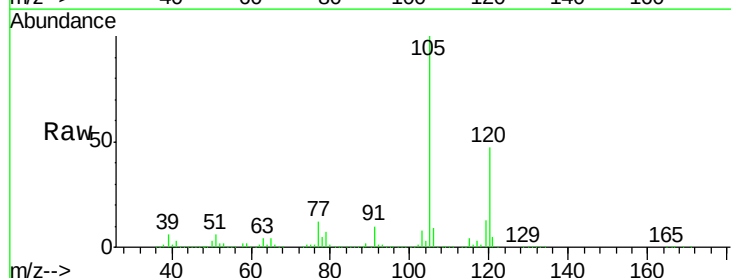


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VX0
 Ion 134.00 (133.70 to 134.70): V

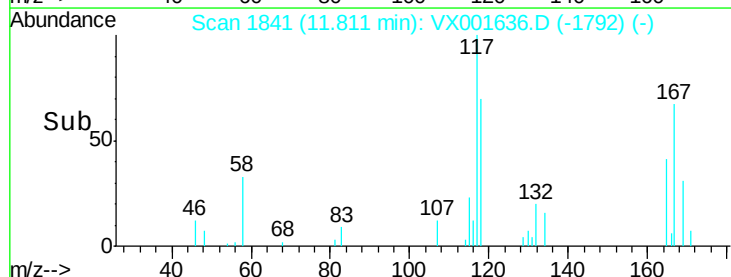
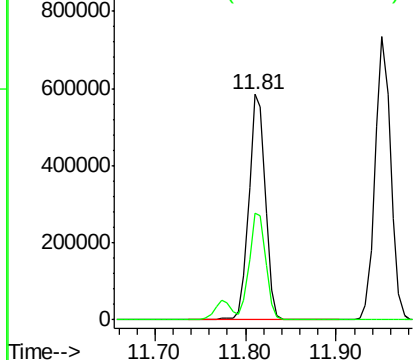


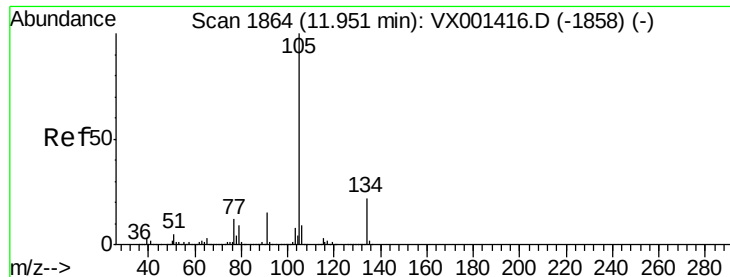
#84
 1,2,4-Trimethylbenzene
 Concen: 55.82 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX001636.D
 Acq: 11 May 2018 13:08

Tgt Ion:105 Resp: 732436
 Ion Ratio Lower Upper
 105 100
 120 47.2 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: 57.49 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX001636.D

Acq: 11 May 2018 13:08

Instrument :

MSVOA_X

ClientSampleId :

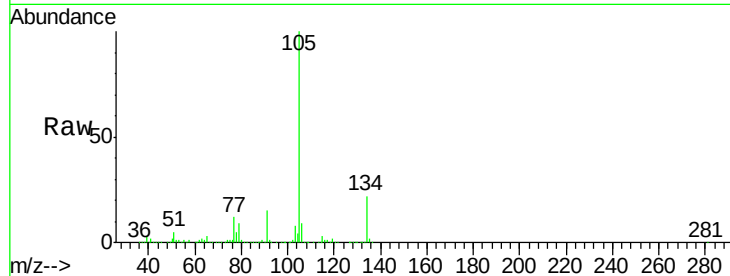
VSTDCCC050

Tgt Ion:105 Resp: 876505

Ion Ratio Lower Upper

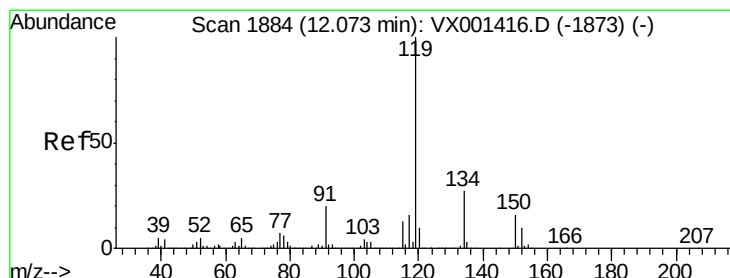
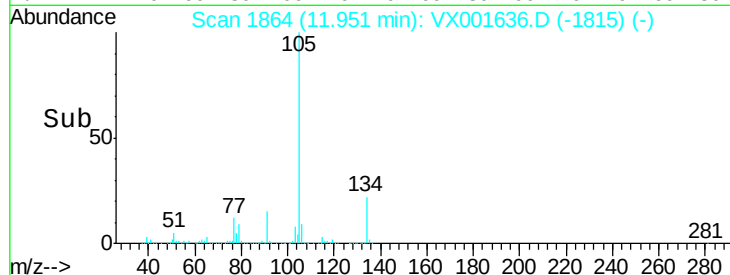
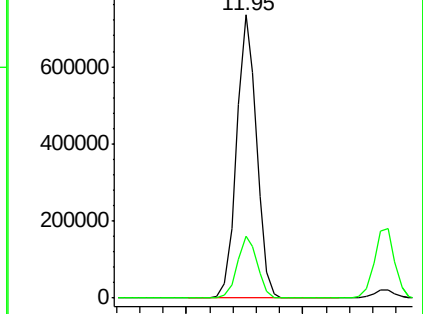
105 100

134 21.8 10.9 32.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 58.17 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.01 min

Lab File: VX001636.D

Acq: 11 May 2018 13:08

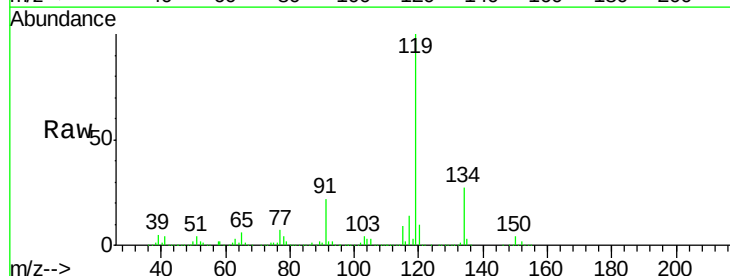
Tgt Ion:119 Resp: 813681

Ion Ratio Lower Upper

119 100

134 27.1 13.6 40.8

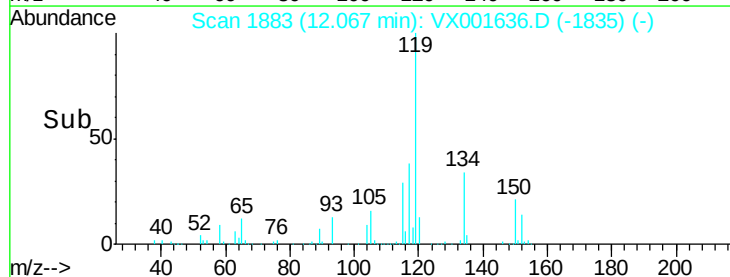
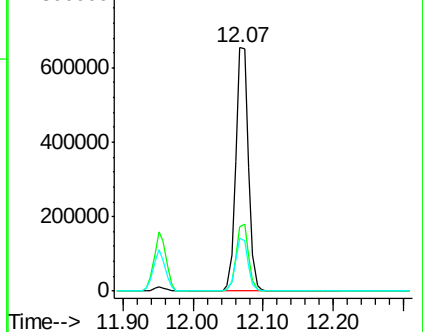
91 21.5 10.8 32.3

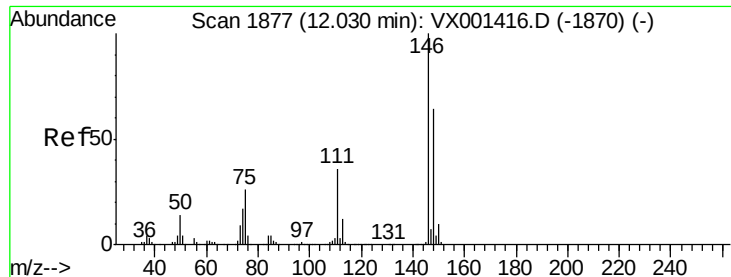


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

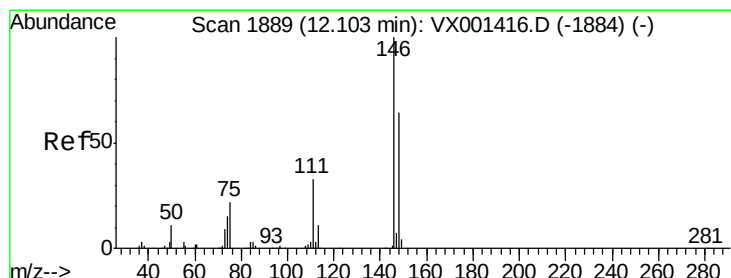
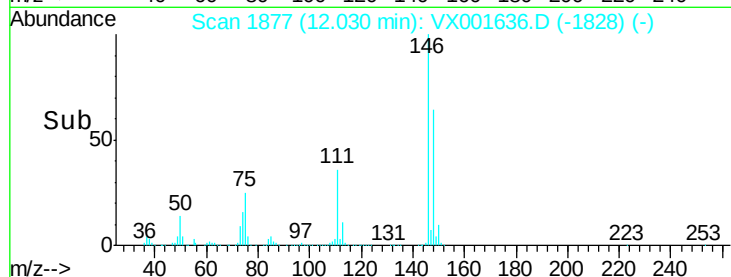
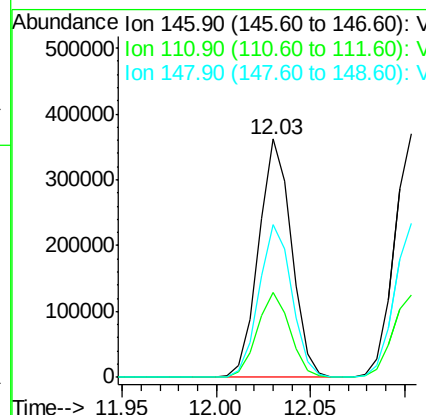
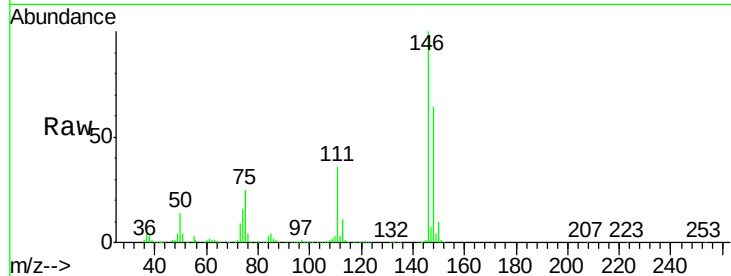




#87
 1,3-Dichlorobenzene
 Concen: 54.76 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX001636.D
 Acq: 11 May 2018 13:08

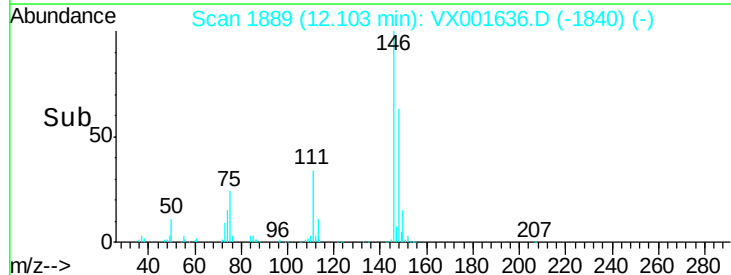
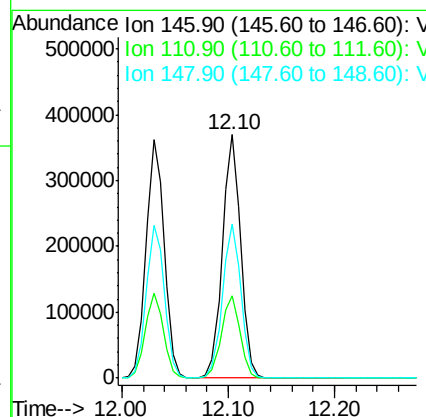
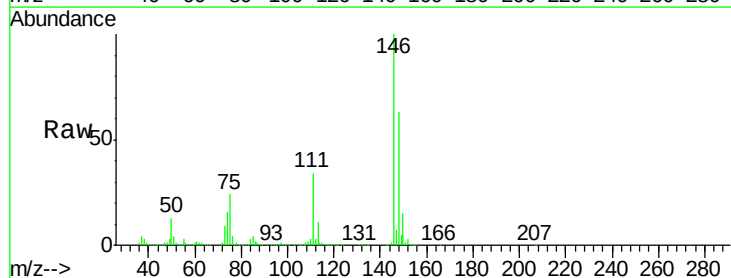
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

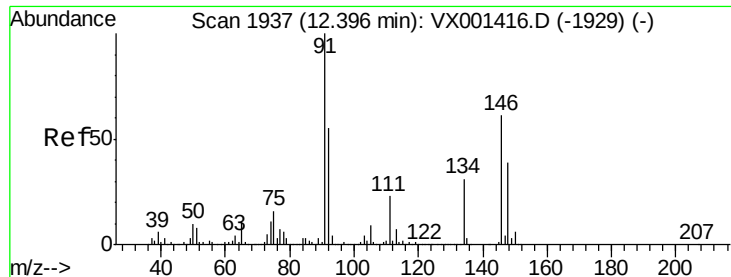
Tgt Ion:146 Resp: 436393
 Ion Ratio Lower Upper
 146 100
 111 35.5 18.1 54.1
 148 64.3 32.1 96.5



#88
 1,4-Dichlorobenzene
 Concen: 54.07 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. 0.00 min
 Lab File: VX001636.D
 Acq: 11 May 2018 13:08

Tgt Ion:146 Resp: 439500
 Ion Ratio Lower Upper
 146 100
 111 34.8 17.4 52.3
 148 64.1 32.2 96.6





#89

n-Butylbenzene

Concen: 58.75 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. 0.00 min

Lab File: VX001636.D

Acq: 11 May 2018 13:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

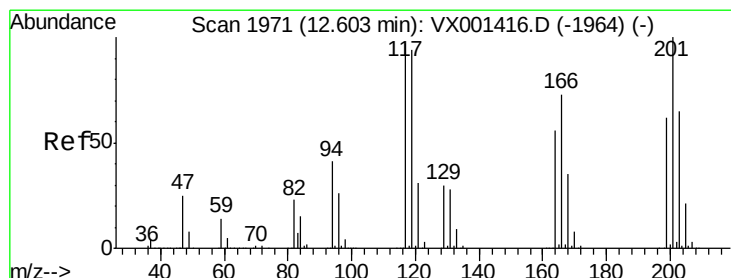
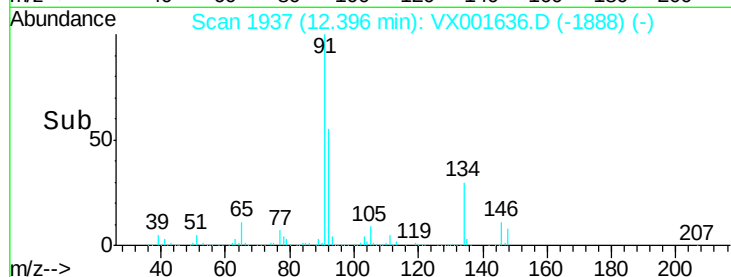
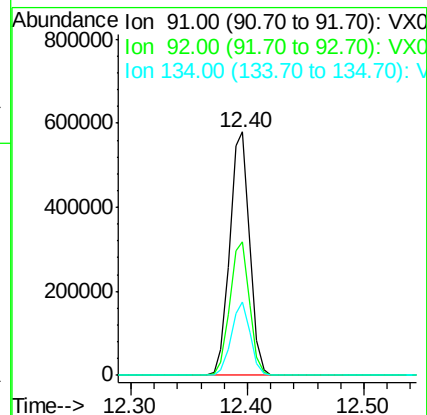
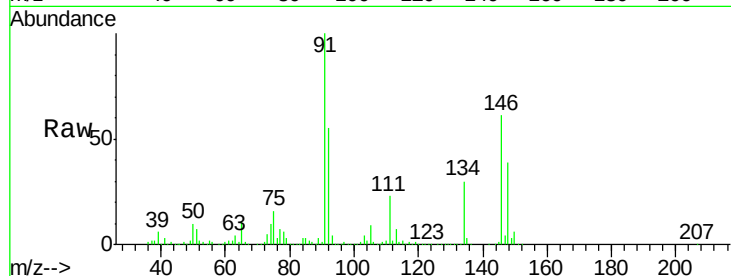
Tgt Ion: 91 Resp: 680862

Ion Ratio Lower Upper

91 100

92 54.8 27.2 81.5

134 29.2 14.6 44.0



#90

Hexachloroethane

Concen: 59.24 ug/l

RT: 12.60 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VX001636.D

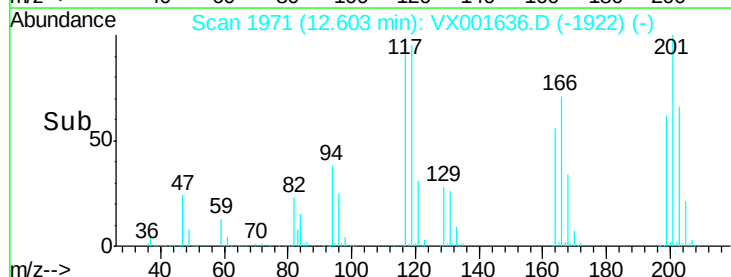
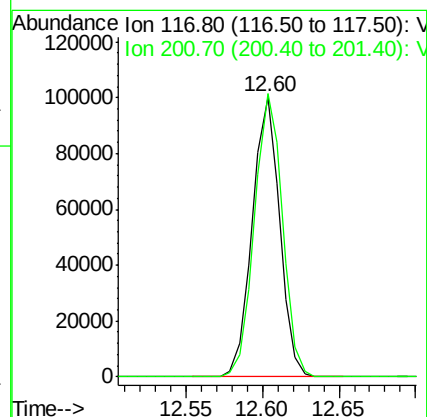
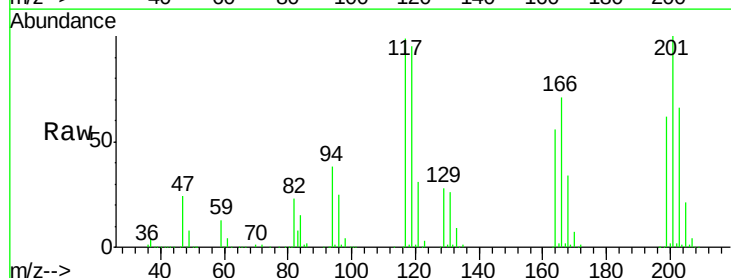
Acq: 11 May 2018 13:08

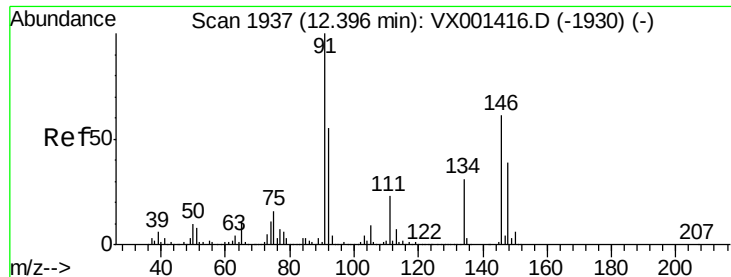
Tgt Ion: 117 Resp: 124770

Ion Ratio Lower Upper

117 100

201 103.3 51.5 154.5

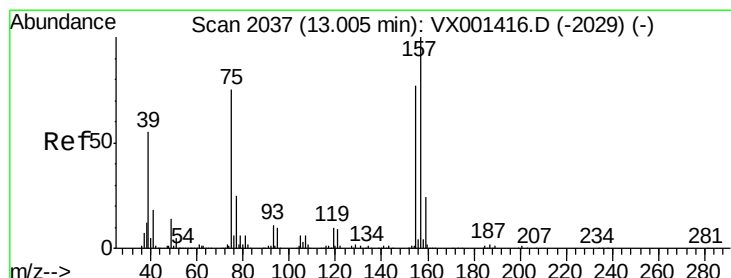
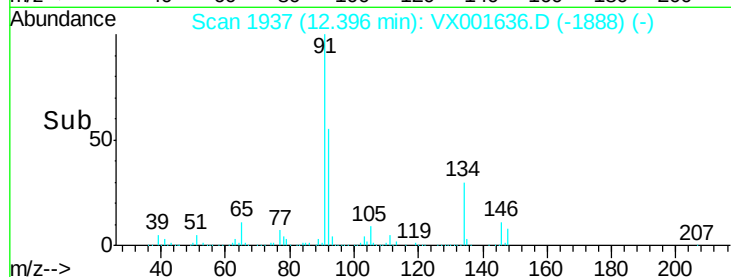
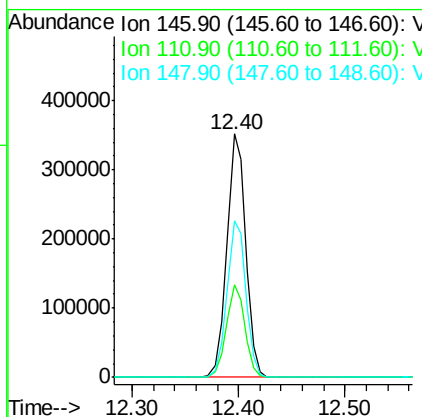
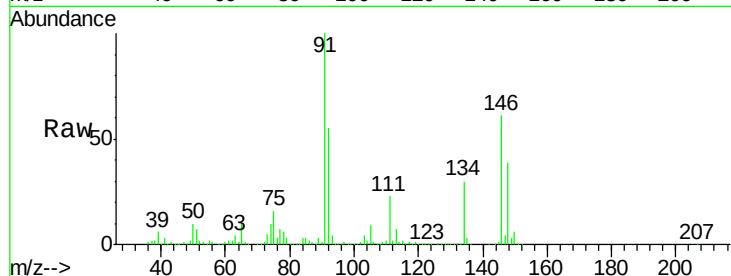




#91
 1,2-Dichlorobenzene
 Concen: 53.82 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX001636.D
 Acq: 11 May 2018 13:08

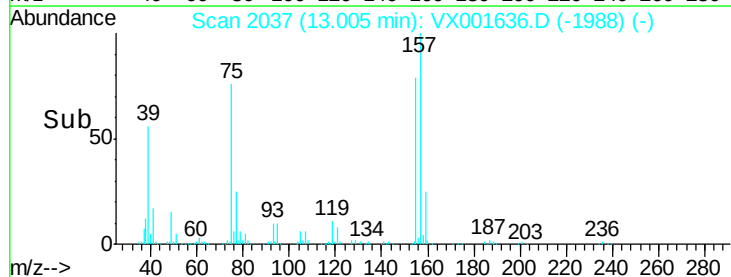
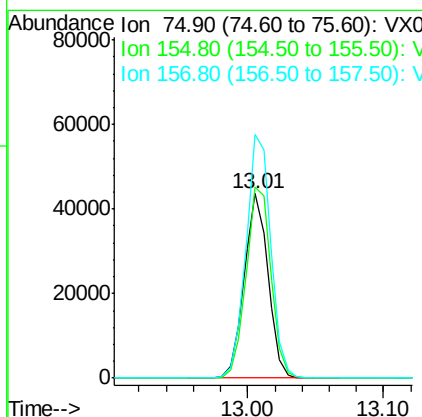
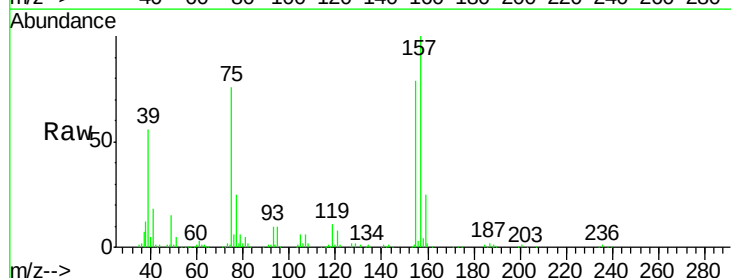
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

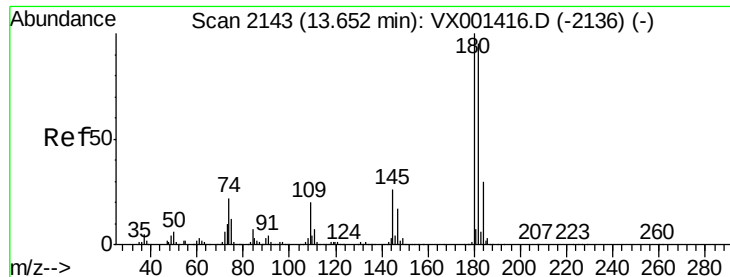
Tgt Ion:146 Resp: 436339
 Ion Ratio Lower Upper
 146 100
 111 37.2 18.6 55.8
 148 64.7 32.1 96.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.93 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VX001636.D
 Acq: 11 May 2018 13:08

Tgt Ion: 75 Resp: 53660
 Ion Ratio Lower Upper
 75 100
 155 108.3 53.4 160.2
 157 136.7 68.3 204.8

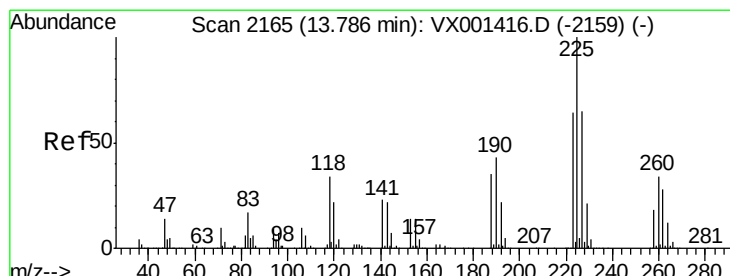
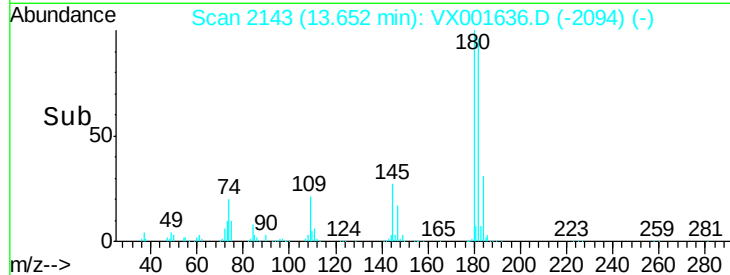
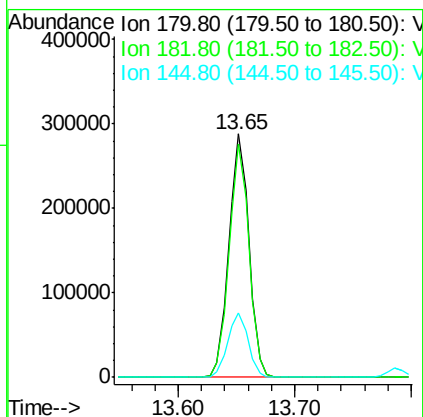
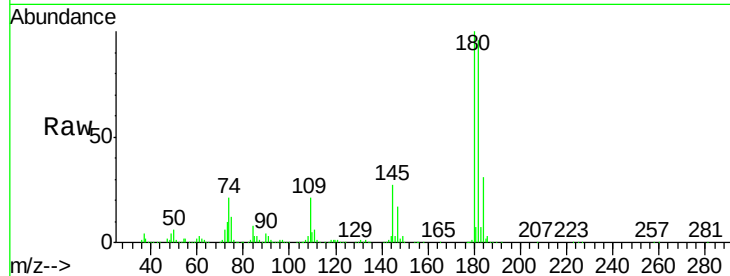




#93
 1,2,4-Trichlorobenzene
 Concen: 57.91 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX001636.D
 Acq: 11 May 2018 13:08

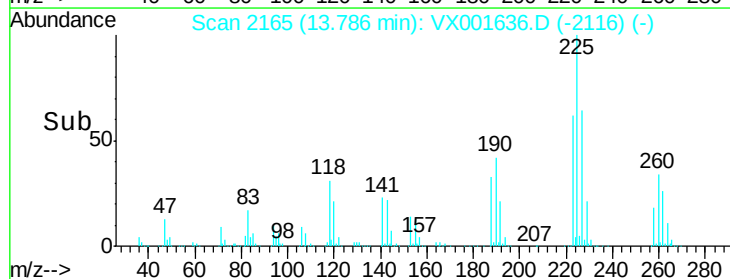
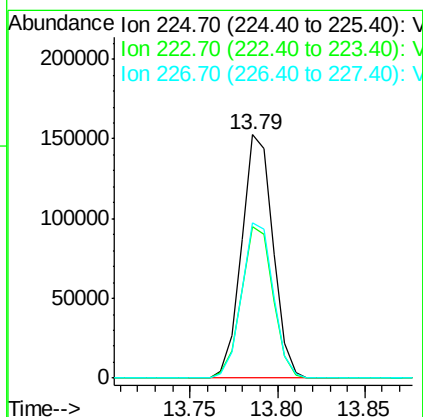
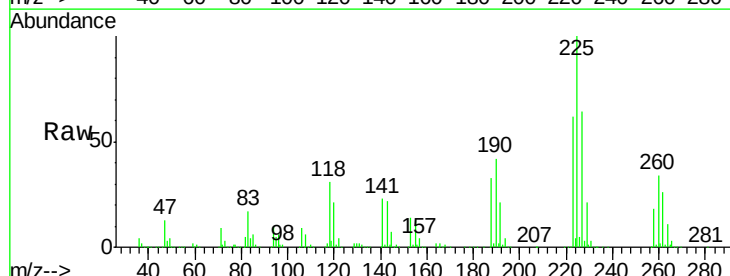
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

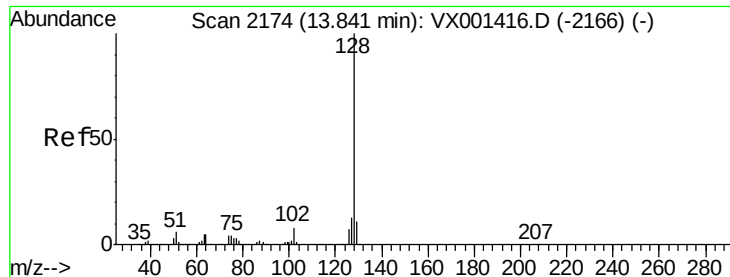
Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.8	143.4
145	27.1	13.3	39.9



#94
 Hexachlorobutadiene
 Concen: 58.42 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX001636.D
 Acq: 11 May 2018 13:08

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.8	31.3	93.9
227	64.3	32.4	97.2

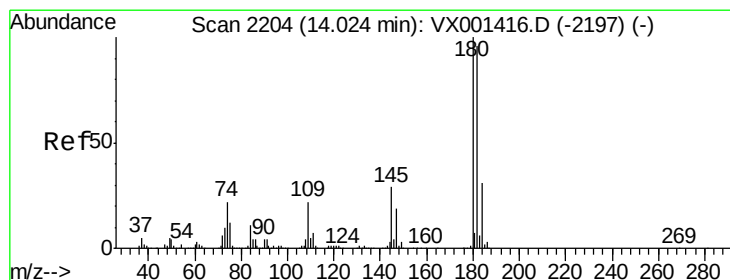
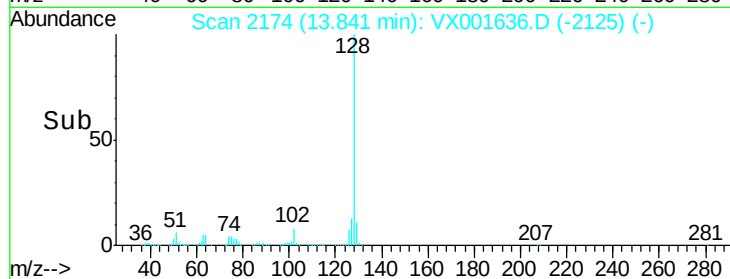
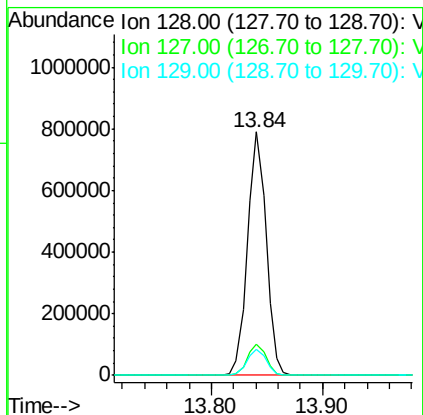
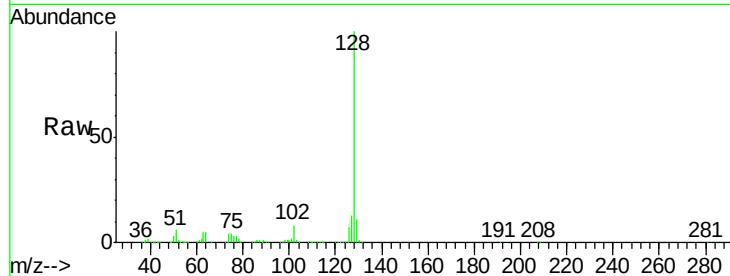




#95
Naphthalene
Concen: 55.90 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. 0.00 min
Lab File: VX001636.D
Acq: 11 May 2018 13:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 917261
Ion Ratio Lower Upper
128 100
127 13.0 10.4 15.6
129 10.9 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 57.15 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. 0.00 min
Lab File: VX001636.D
Acq: 11 May 2018 13:08

Tgt Ion:180 Resp: 347892
Ion Ratio Lower Upper
180 100
182 95.8 48.0 144.2
145 28.3 14.1 42.4

