

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082918\
 Data File : VX004300.D
 Acq On : 29 Aug 2018 18:31
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Aug 30 02:10:35 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 05:39:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	299748	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	439547	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	400780	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	252766	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	196016	50.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.34%	
35) Dibromofluoromethane	5.50	113	171144	52.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.68%	
50) Toluene-d8	8.72	98	631230	51.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.28%	
62) 4-Bromofluorobenzene	11.14	95	239494	52.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.00%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	173860	50.08	ug/l	96
3) Chloromethane	1.32	50	186606	48.64	ug/l	100
4) Vinyl Chloride	1.40	62	196451	50.02	ug/l	100
5) Bromomethane	1.63	94	87314	44.90	ug/l	98
6) Chloroethane	1.71	64	132539	47.60	ug/l	97
7) Trichlorofluoromethane	1.92	101	267759	49.75	ug/l	96
8) Diethyl Ether	2.19	74	118822	51.56	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.38	101	164802	48.89	ug/l	100
10) Methyl Iodide	2.51	142	174479	46.22	ug/l	98
11) Tert butyl alcohol	3.08	59	225403	270.66	ug/l	100
12) 1,1-Dichloroethene	2.37	96	156147	49.17	ug/l	96
13) Acrolein	2.29	56	54748	272.68	ug/l	98
14) Allyl chloride	2.72	41	292872	50.20	ug/l	98
15) Acrylonitrile	3.15	53	534335	259.08	ug/l	100
16) Acetone	2.45	43	439244	276.27	ug/l	100
17) Carbon Disulfide	2.56	76	406007	46.10	ug/l	99
18) Methyl Acetate	2.78	43	360316	62.15	ug/l	100
19) Methyl tert-butyl Ether	3.21	73	539915	51.59	ug/l	98
20) Methylene Chloride	2.85	84	185682	49.37	ug/l	97
21) trans-1,2-Dichloroethene	3.16	96	169748	48.30	ug/l	97
22) Diisopropyl ether	3.87	45	550557	50.54	ug/l	99
23) Vinyl Acetate	3.82	43	2166539	245.39	ug/l	99
24) 1,1-Dichloroethane	3.69	63	327905	51.65	ug/l	99
25) 2-Butanone	4.71	43	695649	265.92	ug/l	100
26) 2,2-Dichloropropane	4.58	77	184693	37.09	ug/l	97
27) cis-1,2-Dichloroethene	4.59	96	197225	49.47	ug/l	97
28) Bromochloromethane	5.02	49	146118	51.99	ug/l	100
29) Tetrahydrofuran	5.17	42	441832	263.22	ug/l	99
30) Chloroform	5.21	83	323139	50.77	ug/l	98
31) Cyclohexane	5.57	56	270941	49.46	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	271939	51.24	ug/l	99
36) 1,1-Dichloropropene	5.80	75	238516	48.27	ug/l	99
37) Ethyl Acetate	4.86	43	248227	51.08	ug/l	99
38) Carbon Tetrachloride	5.78	117	237536	51.10	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	267330	47.38	ug/l	97
40) Benzene	6.14	78	742391	50.28	ug/l	100
41) Methacrylonitrile	5.06	41	145953	51.81	ug/l	98
42) 1,2-Dichloroethane	6.20	62	250306	49.70	ug/l	100
43) Isopropyl Acetate	6.47	43	388179	51.98	ug/l	99
44) Trichloroethene	7.21	130	197068	48.22	ug/l	98
45) 1,2-Dichloropropane	7.52	63	189671	51.32	ug/l	100
46) Dibromomethane	7.66	93	123869	50.34	ug/l	99
47) Bromodichloromethane	7.90	83	243046	53.08	ug/l	99
48) Methyl methacrylate	7.78	41	212487	53.18	ug/l	99
49) 1,4-Dioxane	7.76	88	98136	1081.71	ug/l	100
51) 4-Methyl-2-Pentanone	8.65	43	1387838	255.78	ug/l	100
52) Toluene	8.79	92	470339	50.89	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	253929	50.21	ug/l	98
54) cis-1,3-Dichloropropene	8.44	75	280511	50.92	ug/l	97
55) 1,1,2-Trichloroethane	9.22	97	193995	51.99	ug/l	99
56) Ethyl methacrylate	9.18	69	280745	55.27	ug/l	98
57) 1,3-Dichloropropane	9.37	76	326673	51.94	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	721842	277.36	ug/l	100
59) 2-Hexanone	9.50	43	1061683	256.48	ug/l	100
60) Dibromochloromethane	9.59	129	193755	53.30	ug/l	99
61) 1,2-Dibromoethane	9.68	107	193592	50.14	ug/l	98
64) Tetrachloroethene	9.34	164	203577	51.42	ug/l	99
65) Chlorobenzene	10.14	112	511441	50.85	ug/l	94
66) 1,1,1,2-Tetrachloroethane	10.23	131	183241	52.82	ug/l	99
67) Ethyl Benzene	10.26	91	834046	51.06	ug/l	97
68) m/p-Xylenes	10.36	106	676642	105.93	ug/l	98
69) o-Xylene	10.70	106	340942	56.43	ug/l	100
70) Styrene	10.71	104	568732	58.13	ug/l	100
71) Bromoform	10.86	173	154268	55.16	ug/l	99
73) Isopropylbenzene	11.02	105	910709	54.86	ug/l	100
74) N-amyl acetate	10.90	43	349508	54.68	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	301906	51.97	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	333484	64.87	ug/l	87
77) Bromobenzene	11.26	156	242373	52.05	ug/l	98
78) n-propylbenzene	11.36	91	1040856	54.51	ug/l	100
79) 2-Chlorotoluene	11.42	91	616919	52.49	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	747888	54.40	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	80546	50.84	ug/l	97
82) 4-Chlorotoluene	11.51	91	720879	52.13	ug/l	99
83) tert-Butylbenzene	11.77	119	750297	54.24	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	785335	55.65	ug/l	100
85) sec-Butylbenzene	11.95	105	896917	54.62	ug/l	100
86) p-Isopropyltoluene	12.07	119	775203	52.67	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	444070	50.65	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	422817	45.74	ug/l	97
89) n-Butylbenzene	12.39	91	609079	50.89	ug/l	99
90) Hexachloroethane	12.60	117	112563	54.72	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	412260	51.45	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	54627	53.38	ug/l	96

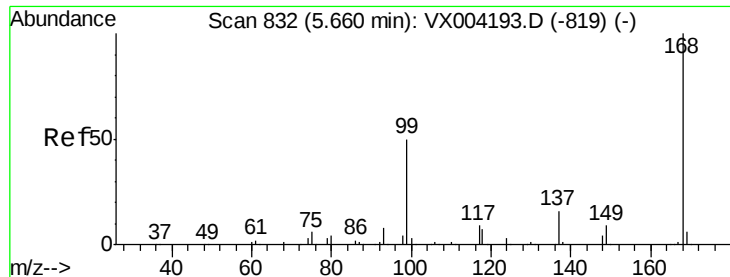
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	303433	52.04	ug/l	98
94) Hexachlorobutadiene	13.79	225	140872	51.94	ug/l	96
95) Naphthalene	13.83	128	1003022	60.82	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	332918	53.94	ug/l	99

(#) = 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: VX004300.D

Acq: 29 Aug 2018 18:31

Instrument :

MSVOA_X

ClientSampleId :

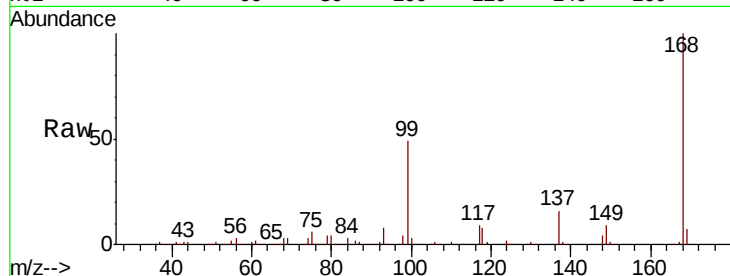
VSTDCCC050EC

Tot Ion:168 Resp: 299748

Ion Ratio Lower Upper

168 100

99 48.9 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

120000

100000

80000

60000

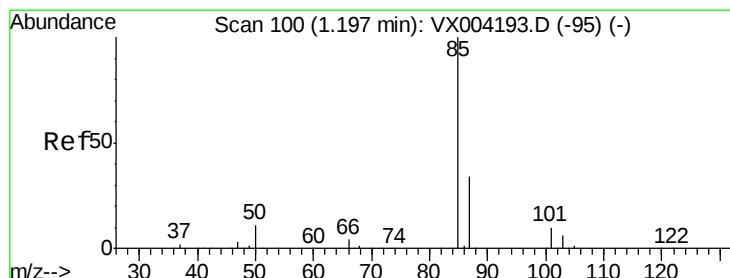
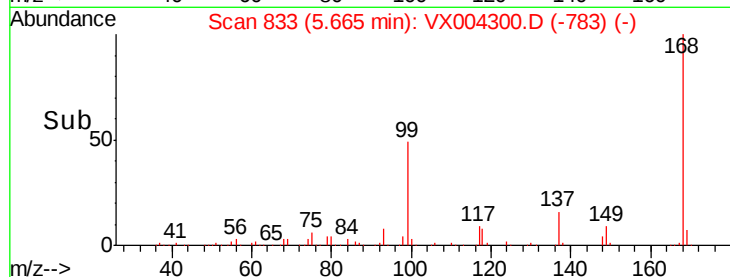
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 50.08 ug/l

RT: 1.19 min Scan# 99

Delta R.T. -0.01 min

Lab File: VX004300.D

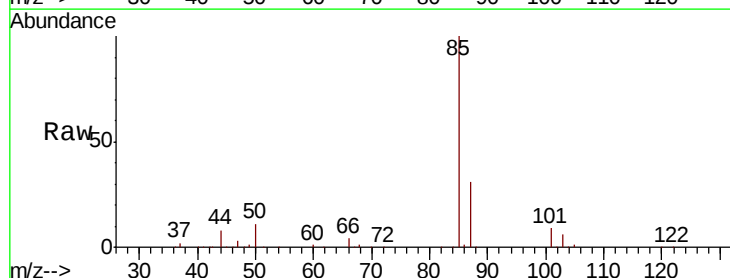
Acq: 29 Aug 2018 18:31

Tgt Ion: 85 Resp: 173860

Ion Ratio Lower Upper

85 100

87 31.5 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

150000

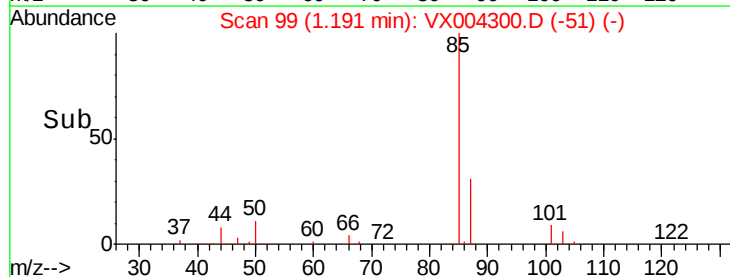
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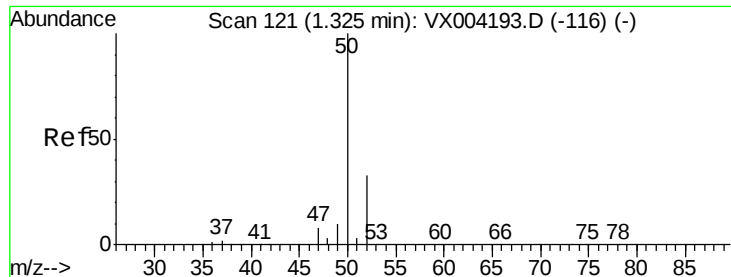
50000

0

Time-->

1.10 1.20 1.30





#3

Chloromethane

Concen: 48.64 ug/l

RT: 1.32 min Scan# 120

Delta R.T. -0.01 min

Lab File: VX004300.D

Acq: 29 Aug 2018 18:31

Instrument :

MSVOA_X

ClientSampleId :

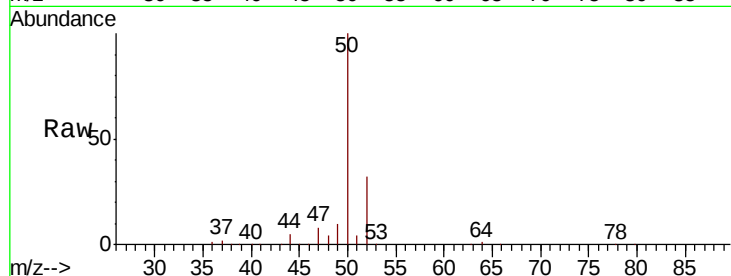
VSTDCCC050EC

Tot Ion: 50 Resp: 186606

Ion Ratio Lower Upper

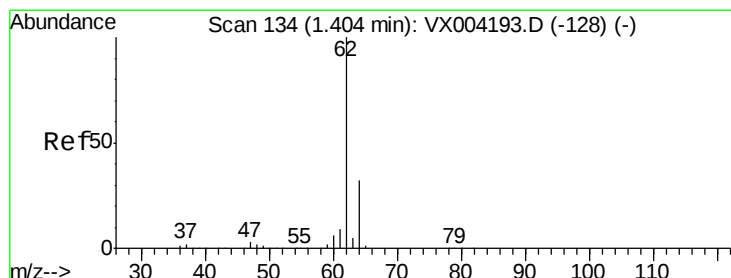
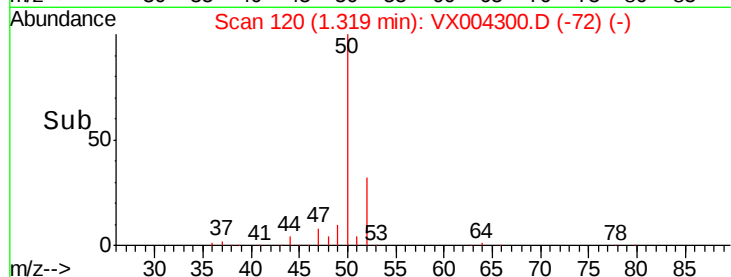
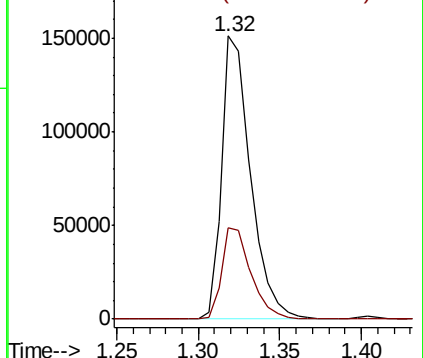
50 100

52 32.5 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 50.02 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX004300.D

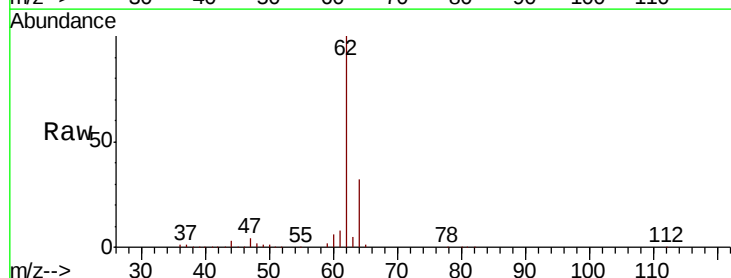
Acq: 29 Aug 2018 18:31

Tgt Ion: 62 Resp: 196451

Ion Ratio Lower Upper

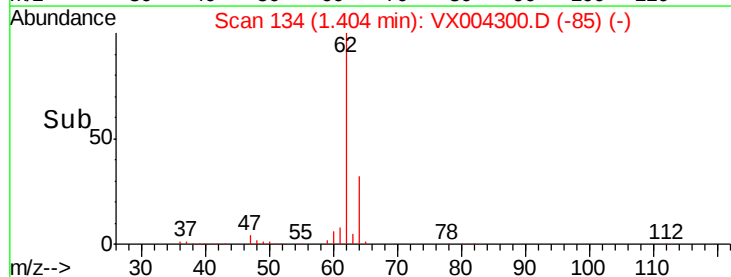
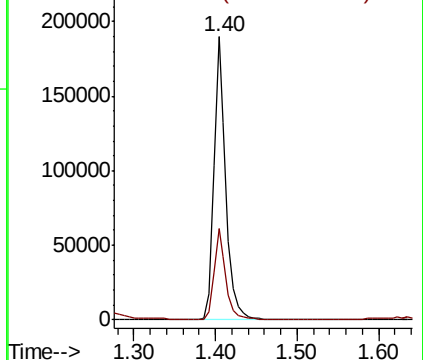
62 100

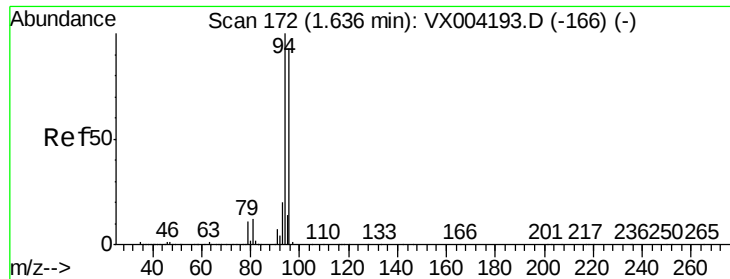
64 32.0 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 44.90 ug/l

RT: 1.63 min Scan# 171

Delta R.T. -0.01 min

Lab File: VX004300.D

Acq: 29 Aug 2018 18:31

Instrument :

MSVOA_X

ClientSampleId :

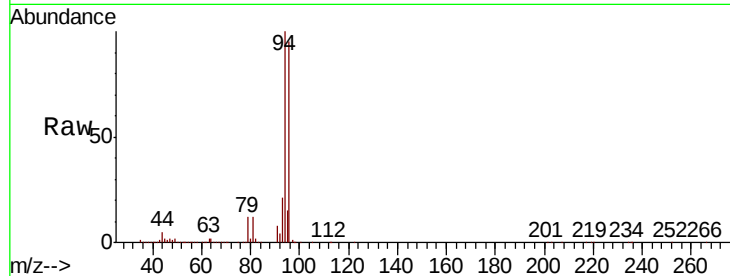
VSTDCCC050EC

Tot Ion: 94 Resp: 87314

Ion Ratio Lower Upper

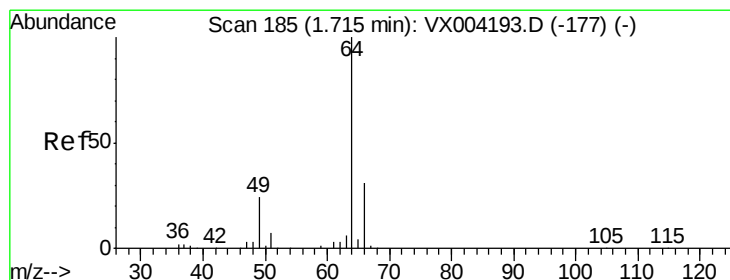
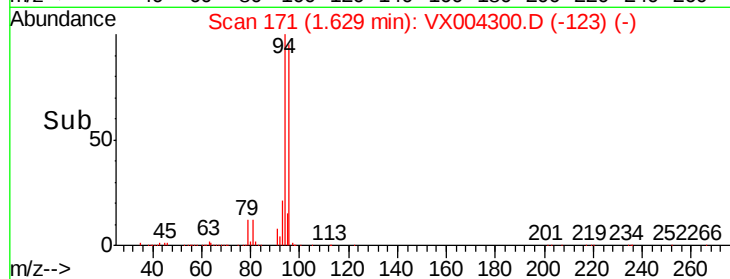
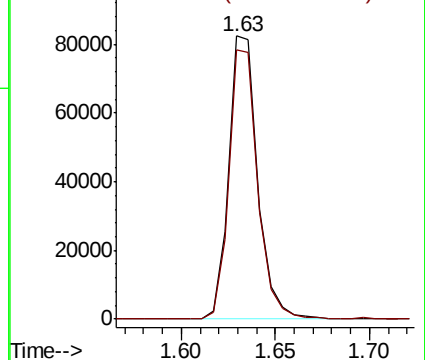
94 100

96 95.1 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 47.60 ug/l

RT: 1.71 min Scan# 185

Delta R.T. -0.00 min

Lab File: VX004300.D

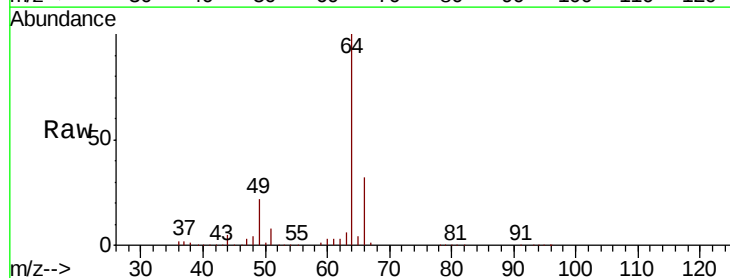
Acq: 29 Aug 2018 18:31

Tgt Ion: 64 Resp: 132539

Ion Ratio Lower Upper

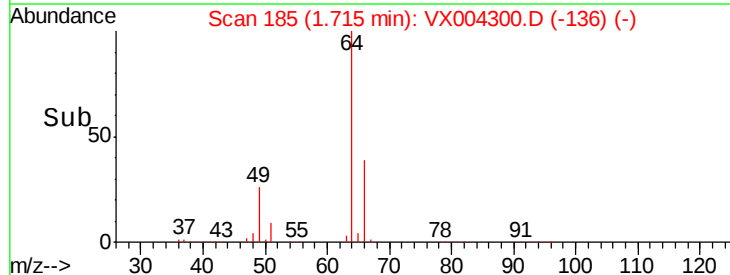
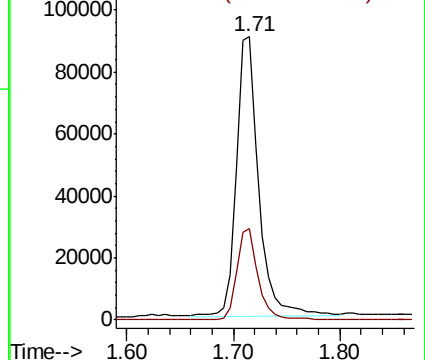
64 100

66 32.6 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



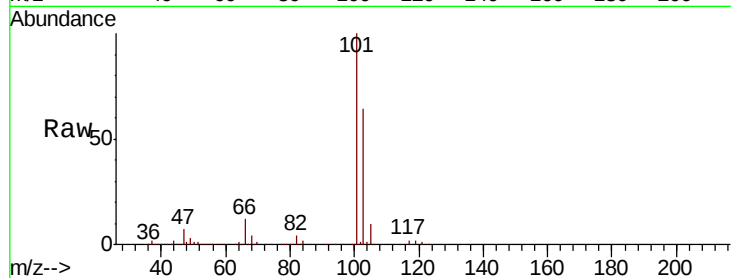


#7

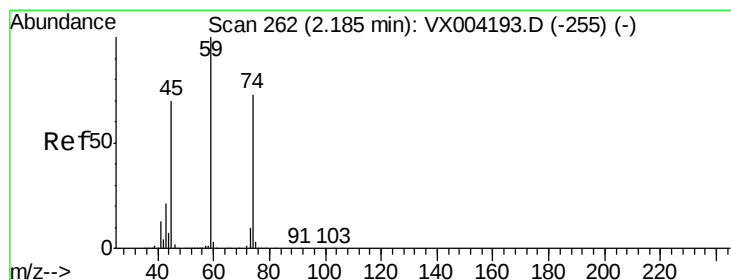
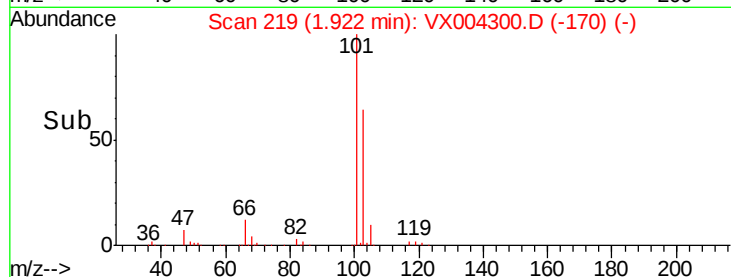
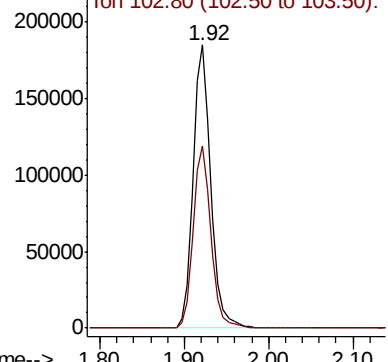
Trichlorofluoromethane
Concen: 49.75 ug/l
RT: 1.92 min Scan# 219
Delta R.T. -0.00 min
Lab File: VX004300.D
Acq: 29 Aug 2018 18:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:101 Resp: 267759
Ion Ratio Lower Upper
101 100
103 64.4 48.9 73.3



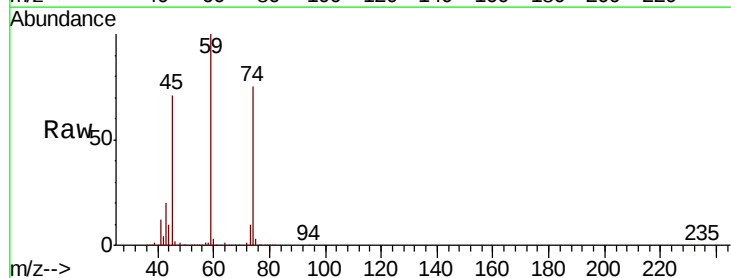
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



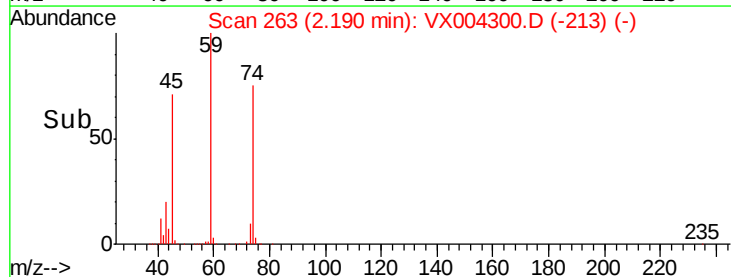
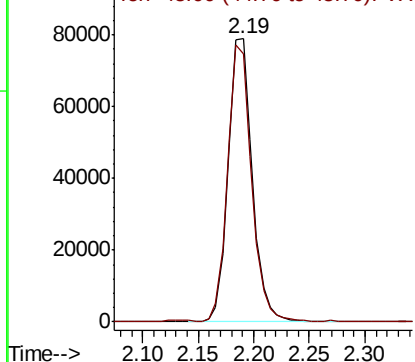
#8

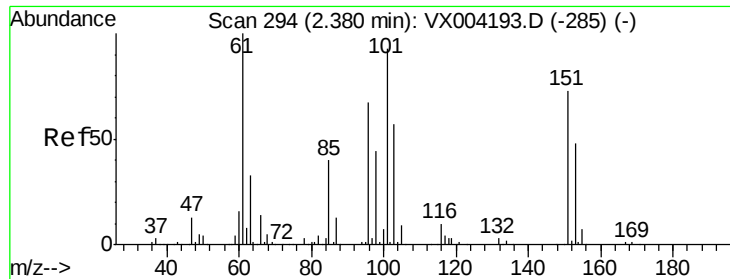
Diethyl Ether
Concen: 51.56 ug/l
RT: 2.19 min Scan# 263
Delta R.T. 0.01 min
Lab File: VX004300.D
Acq: 29 Aug 2018 18:31

Tgt Ion: 74 Resp: 118822
Ion Ratio Lower Upper
74 100
45 96.0 48.3 144.8



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.89 ug/l

RT: 2.38 min Scan# 294

Delta R.T. -0.00 min

Lab File: VX004300.D

Acq: 29 Aug 2018 18:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

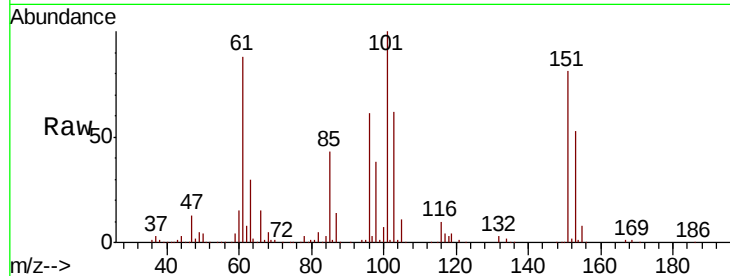
Tot Ion:101 Resp: 164802

Ion Ratio Lower Upper

101 100

85 42.6 34.2 51.4

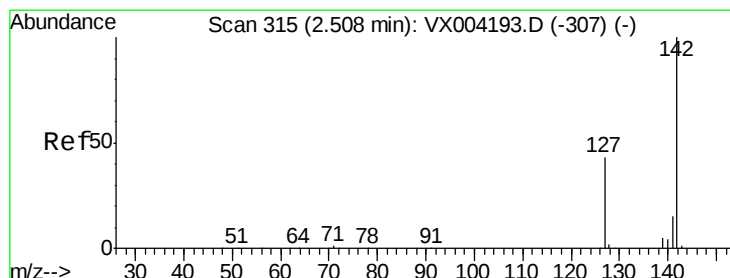
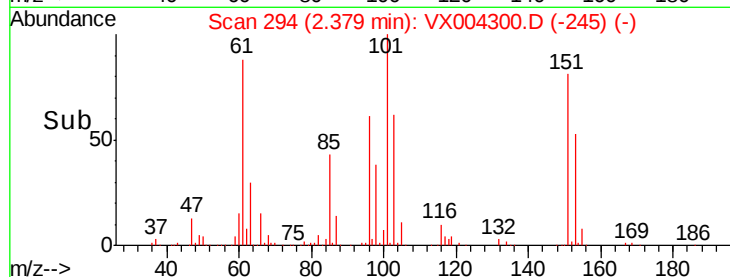
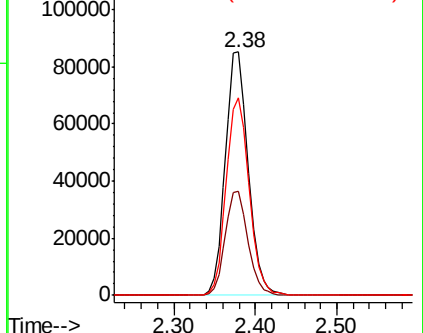
151 81.4 65.0 97.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 46.22 ug/l

RT: 2.51 min Scan# 315

Delta R.T. 0.00 min

Lab File: VX004300.D

Acq: 29 Aug 2018 18:31

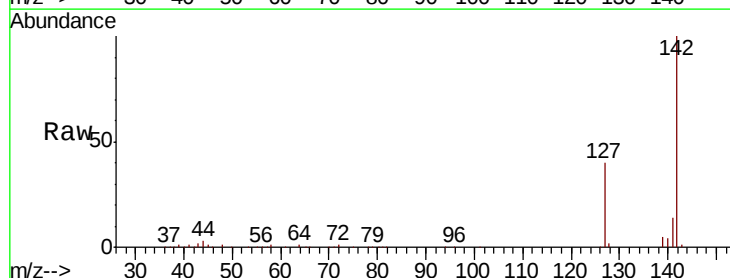
Tgt Ion:142 Resp: 174479

Ion Ratio Lower Upper

142 100

127 41.0 33.8 50.6

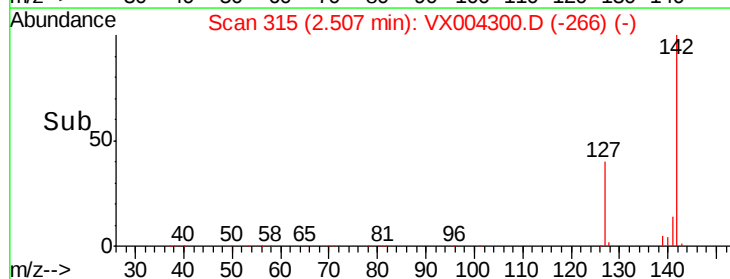
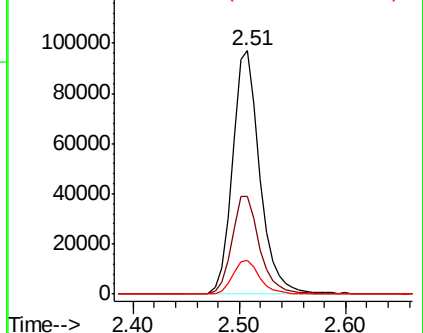
141 14.0 11.4 17.0

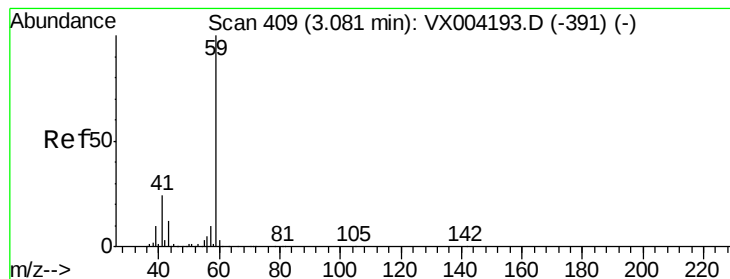


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



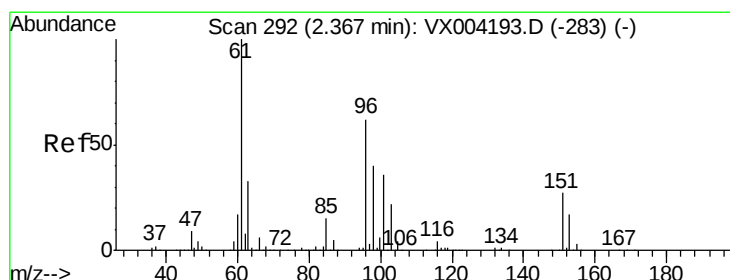
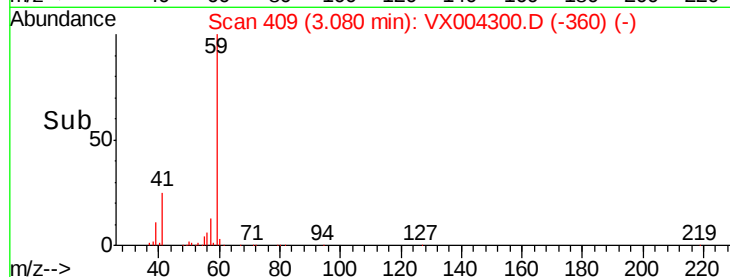
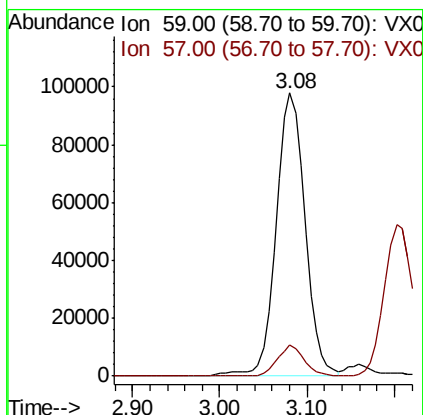
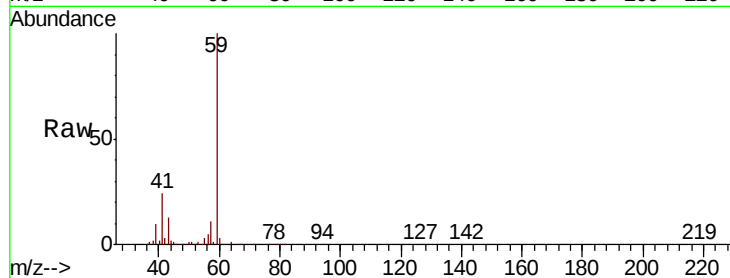


#11

Tert butyl alcohol
 Concen: 270.66 ug/l
 RT: 3.08 min Scan# 409
 Delta R.T. -0.00 min
 Lab File: VX004300.D
 Acq: 29 Aug 2018 18:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

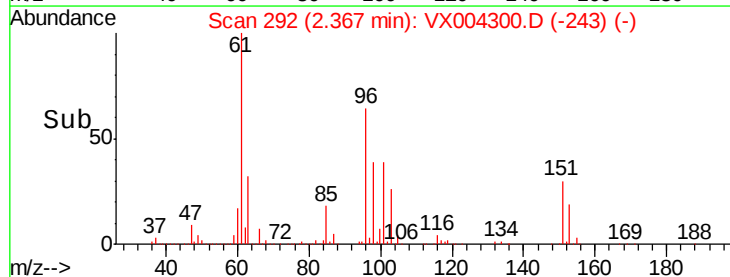
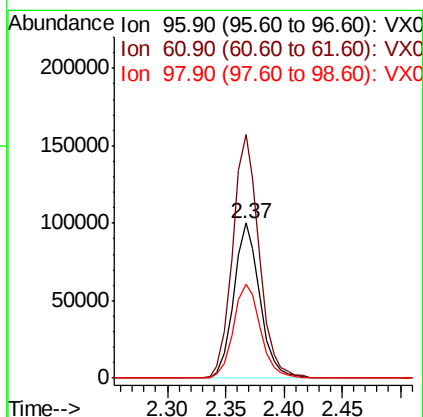
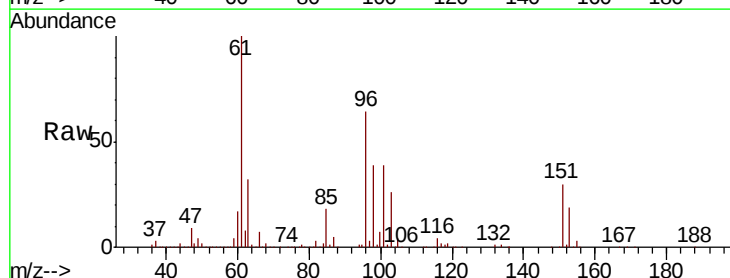
Tot Ion: 59 Resp: 225403
 Ion Ratio Lower Upper
 59 100
 57 10.1 8.2 12.4

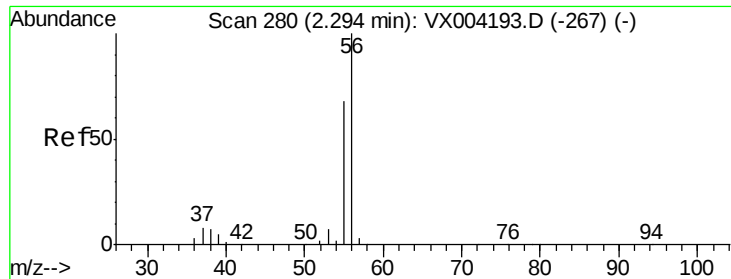


#12

1,1-Dichloroethene
 Concen: 49.17 ug/l
 RT: 2.37 min Scan# 292
 Delta R.T. -0.00 min
 Lab File: VX004300.D
 Acq: 29 Aug 2018 18:31

Tgt Ion: 96 Resp: 156147
 Ion Ratio Lower Upper
 96 100
 61 157.3 128.8 193.2
 98 60.7 52.2 78.2





#13

Acrolein

Concen: 272.68 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.00 min

Lab File: VX004300.D

Acq: 29 Aug 2018 18:31

Instrument :

MSVOA_X

ClientSampleId :

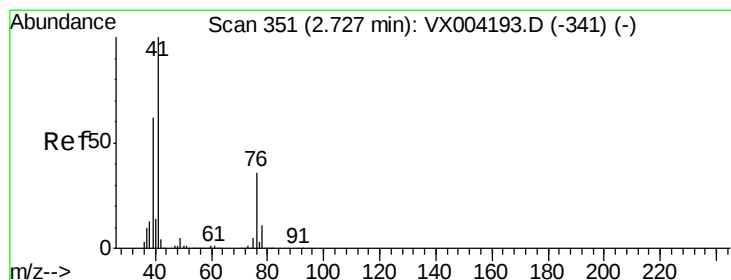
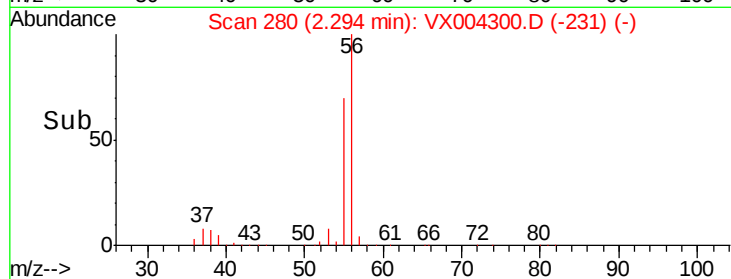
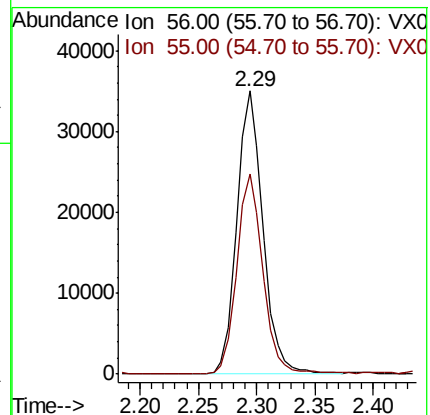
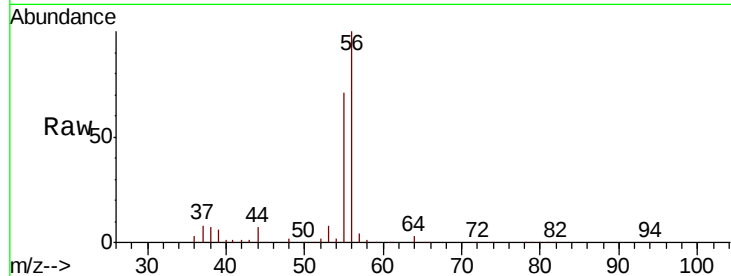
VSTDCCC050EC

Tot Ion: 56 Resp: 54748

Ion Ratio Lower Upper

56 100

55 70.3 54.7 82.1



#14

Allyl chloride

Concen: 50.20 ug/l

RT: 2.72 min Scan# 350

Delta R.T. -0.01 min

Lab File: VX004300.D

Acq: 29 Aug 2018 18:31

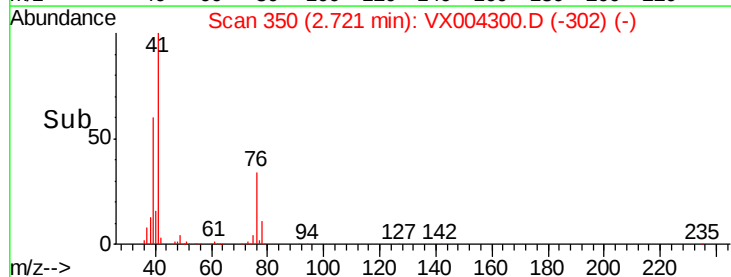
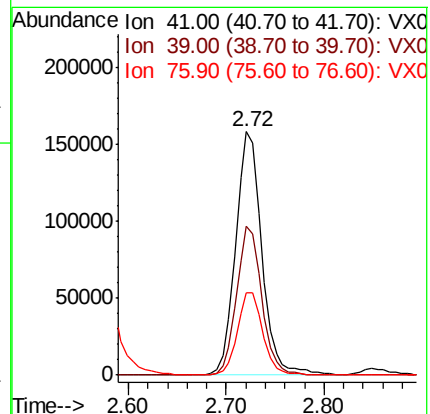
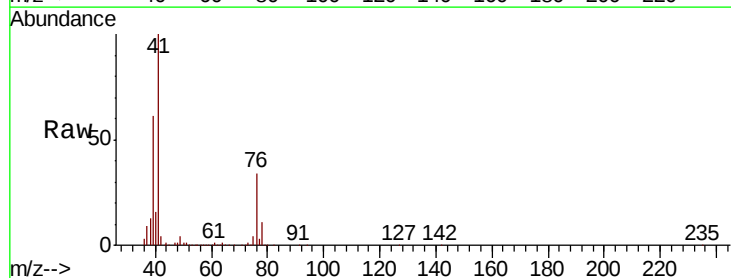
Tgt Ion: 41 Resp: 292872

Ion Ratio Lower Upper

41 100

39 58.8 48.9 73.3

76 32.9 26.7 40.1





#15

Acrylonitrile

Concen: 259.08 ug/l

RT: 3.15 min Scan# 420

Delta R.T. -0.00 min

Lab File: VX004300.D

Acq: 29 Aug 2018 18:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

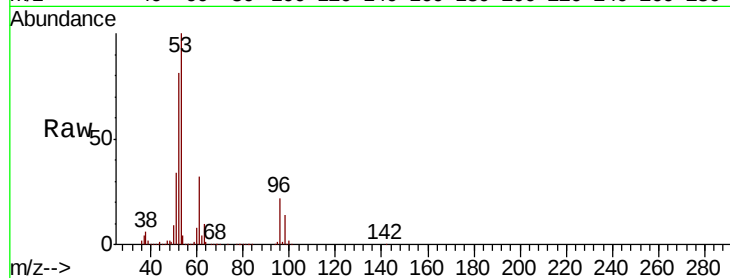
Tot Ion: 53 Resp: 534335

Ion Ratio Lower Upper

53 100

52 82.0 65.2 97.8

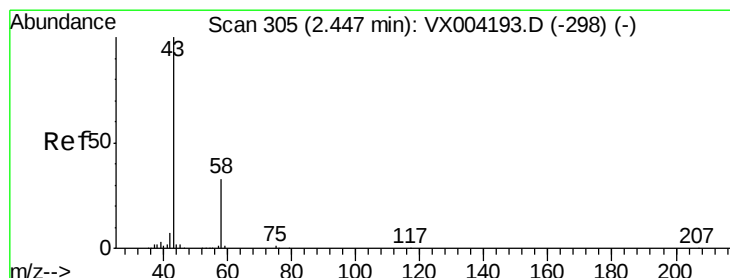
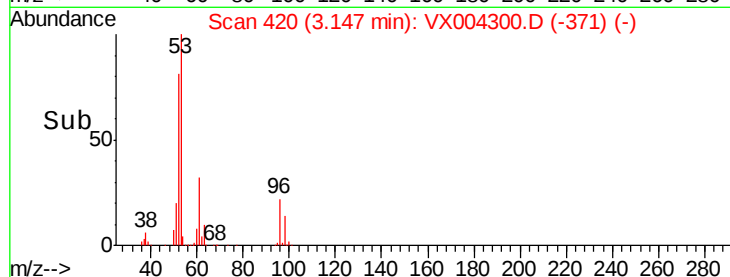
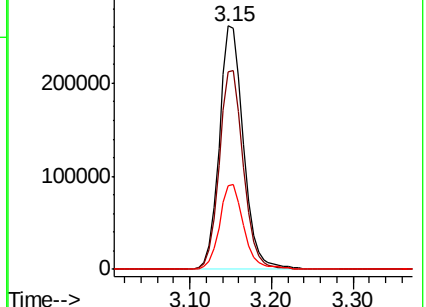
51 35.1 28.2 42.2



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 276.27 ug/l

RT: 2.45 min Scan# 305

Delta R.T. 0.00 min

Lab File: VX004300.D

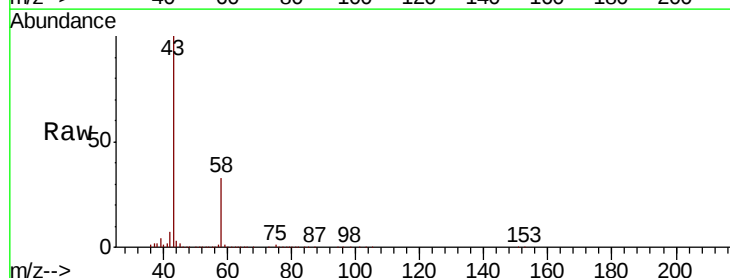
Acq: 29 Aug 2018 18:31

Tgt Ion: 43 Resp: 439244

Ion Ratio Lower Upper

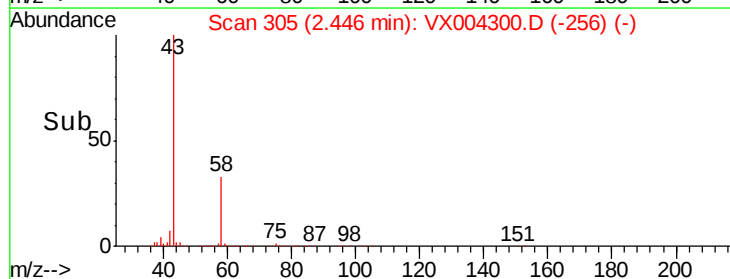
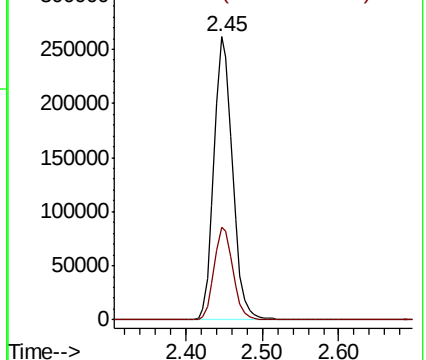
43 100

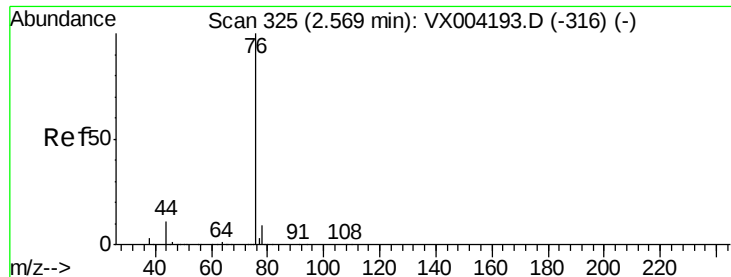
58 33.0 26.2 39.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 46.10 ug/l

RT: 2.56 min Scan# 324

Delta R.T. -0.01 min

Lab File: VX004300.D

Acq: 29 Aug 2018 18:31

Instrument :

MSVOA_X

ClientSampleId :

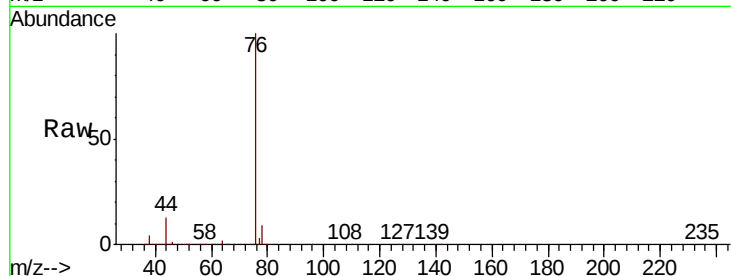
VSTDCCC050EC

Tot Ion: 76 Resp: 406007

Ion Ratio Lower Upper

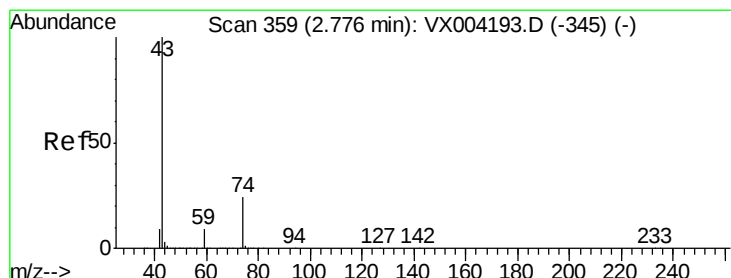
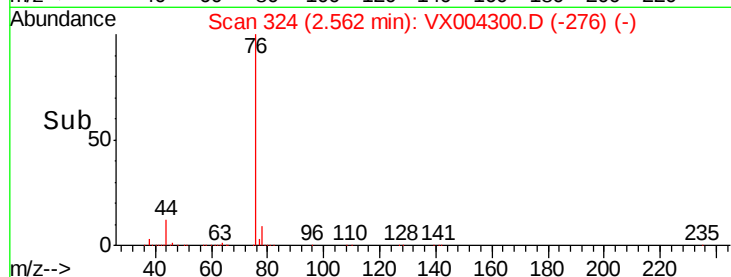
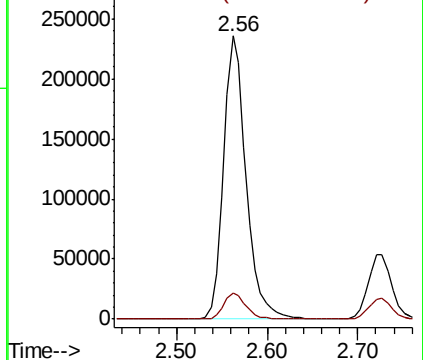
76 100

78 9.3 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 62.15 ug/l

RT: 2.78 min Scan# 359

Delta R.T. -0.00 min

Lab File: VX004300.D

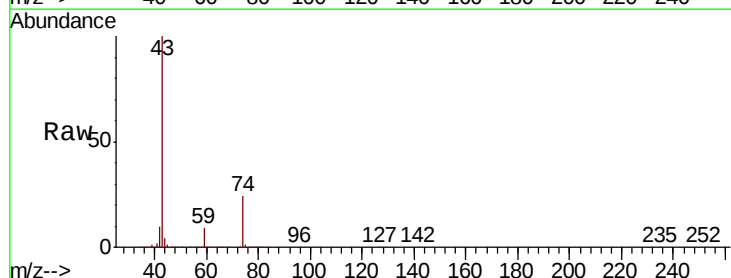
Acq: 29 Aug 2018 18:31

Tgt Ion: 43 Resp: 360316

Ion Ratio Lower Upper

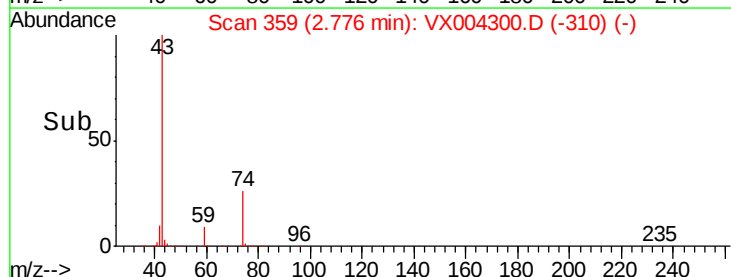
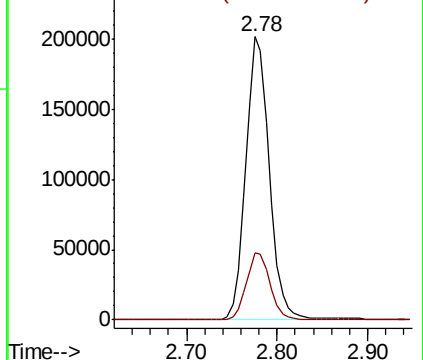
43 100

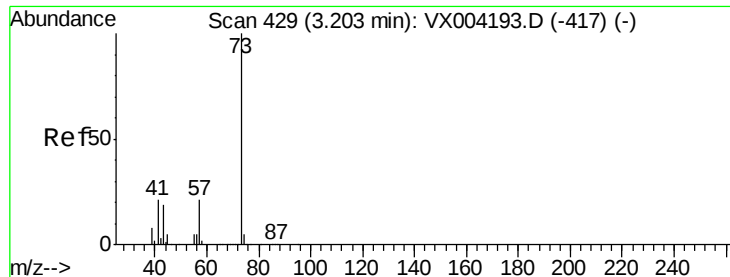
74 24.1 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0



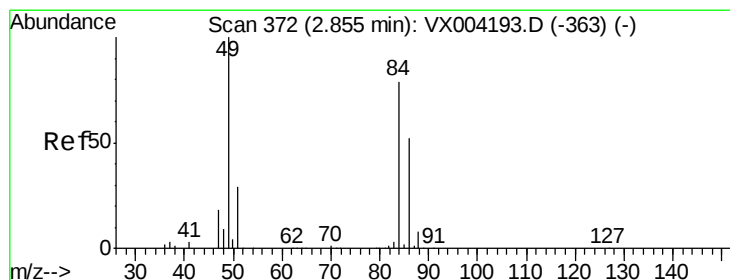
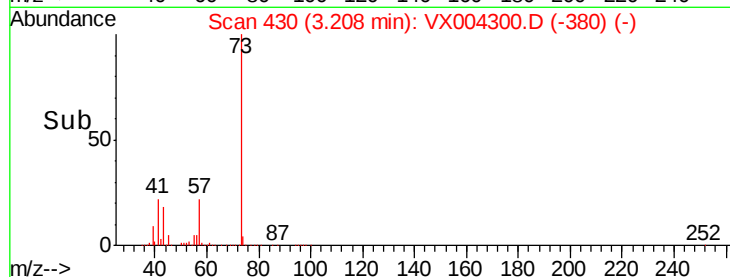
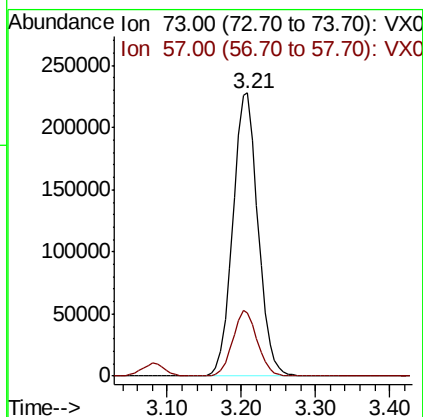
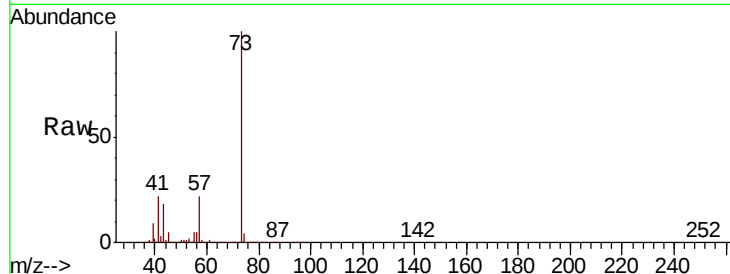


#19

Methyl tert-butyl Ether
 Concen: 51.59 ug/l
 RT: 3.21 min Scan# 430
 Delta R.T. 0.01 min
 Lab File: VX004300.D
 Acq: 29 Aug 2018 18:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

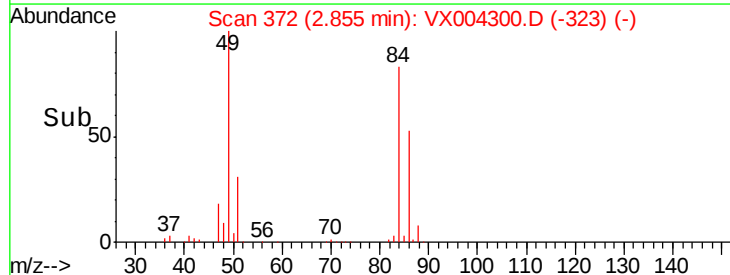
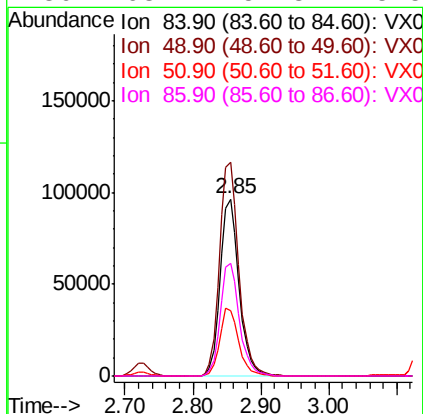
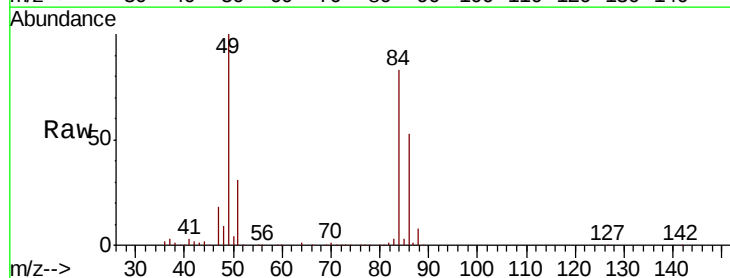
Tot Ion: 73 Resp: 539915
 Ion Ratio Lower Upper
 73 100
 57 22.4 17.1 25.7

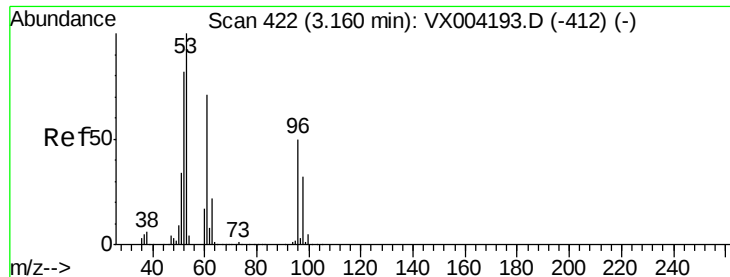


#20

Methylene Chloride
 Concen: 49.37 ug/l
 RT: 2.85 min Scan# 372
 Delta R.T. -0.00 min
 Lab File: VX004300.D
 Acq: 29 Aug 2018 18:31

Tgt Ion: 84 Resp: 185682
 Ion Ratio Lower Upper
 84 100
 49 120.7 101.2 151.8
 51 37.1 29.5 44.3
 86 63.7 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 48.30 ug/l

RT: 3.16 min Scan# 422

Delta R.T. -0.00 min

Lab File: VX004300.D

Acq: 29 Aug 2018 18:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

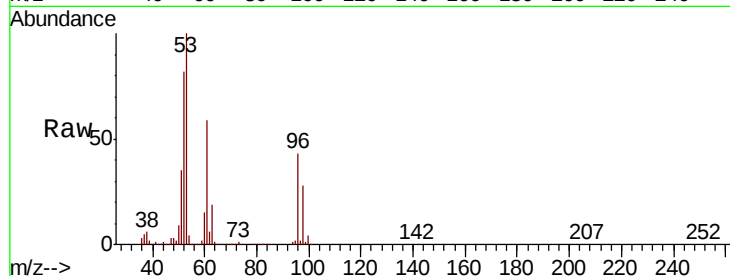
Tot Ion: 96 Resp: 169748

Ion Ratio Lower Upper

96 100

61 137.0 113.8 170.6

98 63.8 51.8 77.8



Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

150000

100000

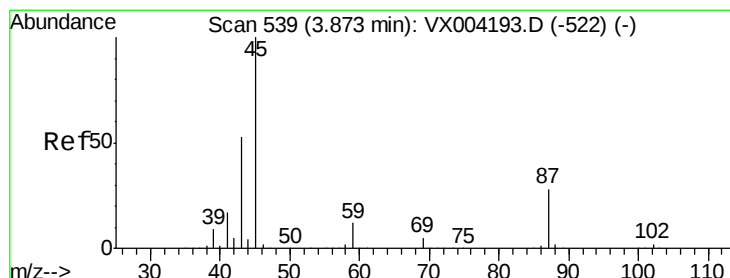
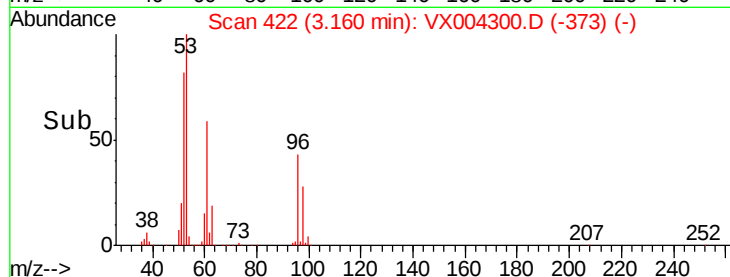
50000

0

3.16

3.10 3.20 3.30

Time-->



#22

Diisopropyl ether

Concen: 50.54 ug/l

RT: 3.87 min Scan# 539

Delta R.T. -0.00 min

Lab File: VX004300.D

Acq: 29 Aug 2018 18:31

Tgt Ion: 45 Resp: 550557

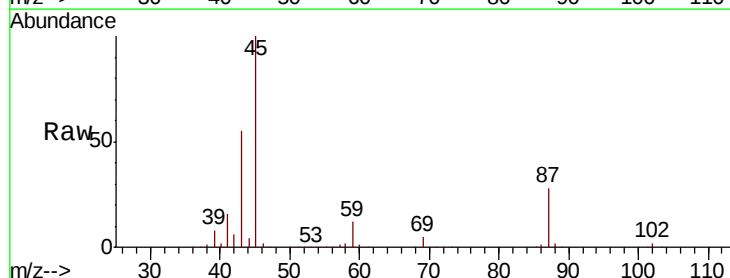
Ion Ratio Lower Upper

45 100

43 55.1 42.8 64.2

87 28.0 22.6 34.0

59 12.0 9.6 14.4



Abundance

Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0

1200000

1000000

800000

600000

400000

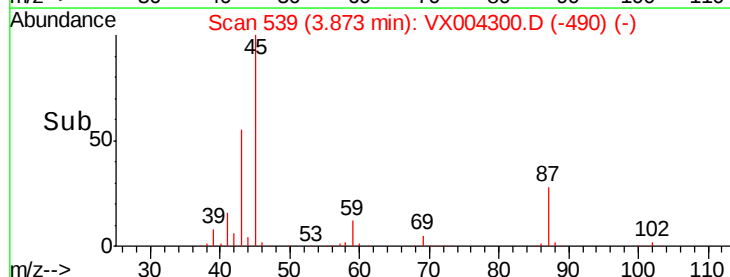
200000

0

3.87

3.70 3.80 3.90 4.00 4.10

Time-->





#23

Vinyl Acetate

Concen: 245.39 ug/l

RT: 3.82 min Scan# 531

Delta R.T. -0.00 min

Lab File: VX004300.D

Acq: 29 Aug 2018 18:31

Instrument :

MSVOA_X

ClientSampleId :

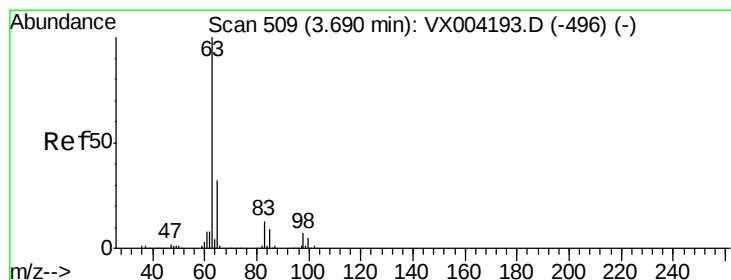
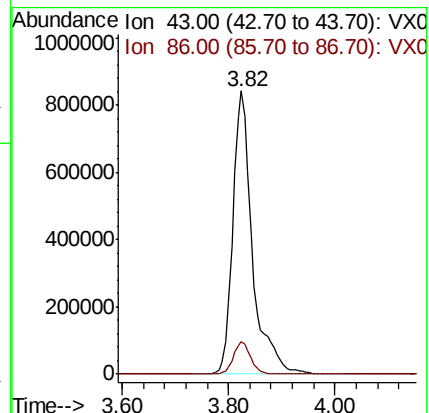
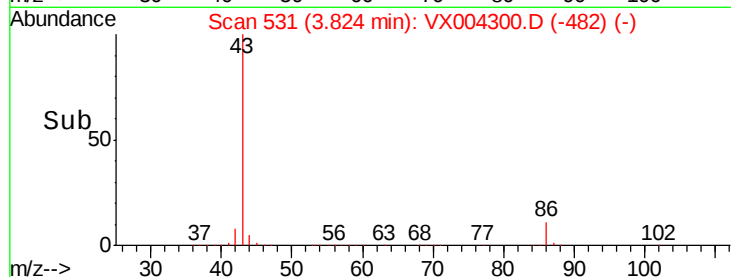
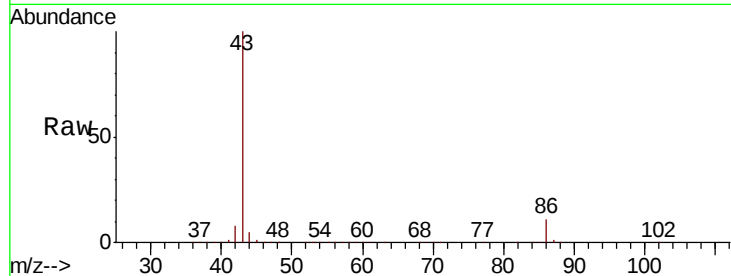
VSTDCCC050EC

Tot Ion: 43 Resp: 2166539

Ion Ratio Lower Upper

43 100

86 11.3 8.9 13.3



#24

1,1-Dichloroethane

Concen: 51.65 ug/l

RT: 3.69 min Scan# 509

Delta R.T. -0.00 min

Lab File: VX004300.D

Acq: 29 Aug 2018 18:31

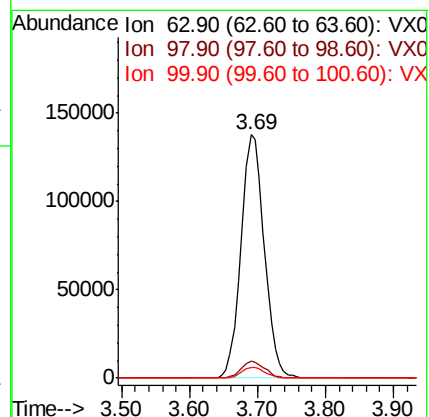
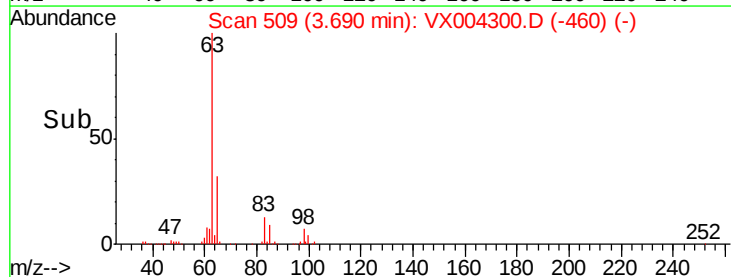
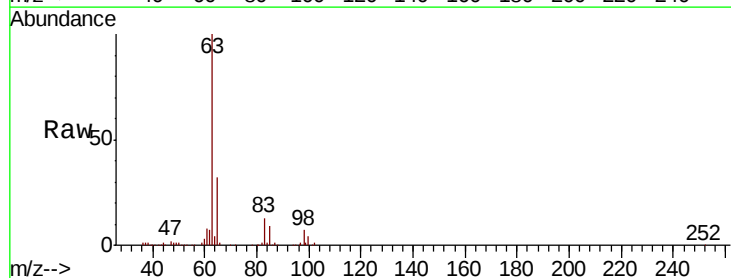
Tgt Ion: 63 Resp: 327905

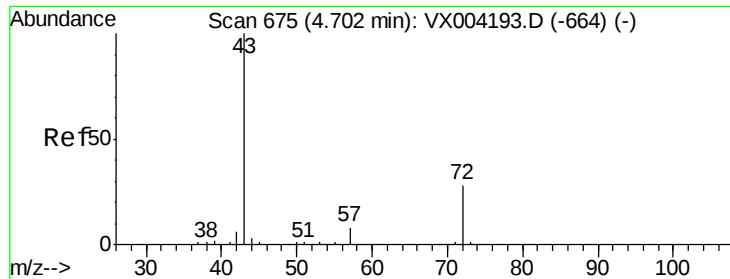
Ion Ratio Lower Upper

63 100

98 7.1 3.5 10.4

100 4.3 2.4 7.1





#25

2-Butanone

Concen: 265.92 ug/l

RT: 4.71 min Scan# 676

Delta R.T. 0.01 min

Lab File: VX004300.D

Acq: 29 Aug 2018 18:31

Instrument :

MSVOA_X

ClientSampleId :

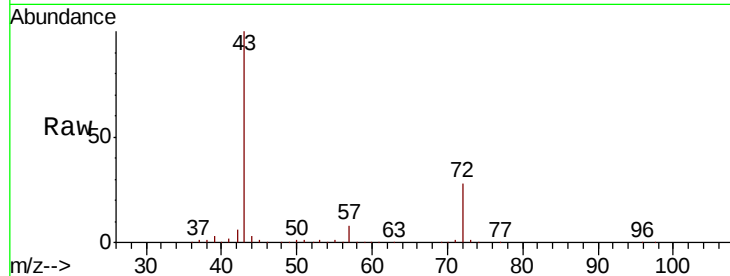
VSTDCCC050EC

Tot Ion: 43 Resp: 695649

Ion Ratio Lower Upper

43 100

72 27.7 22.0 33.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

250000

200000

150000

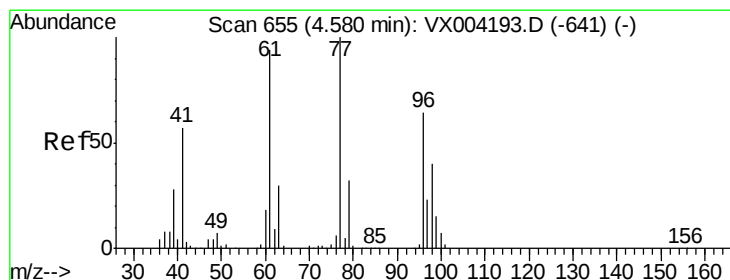
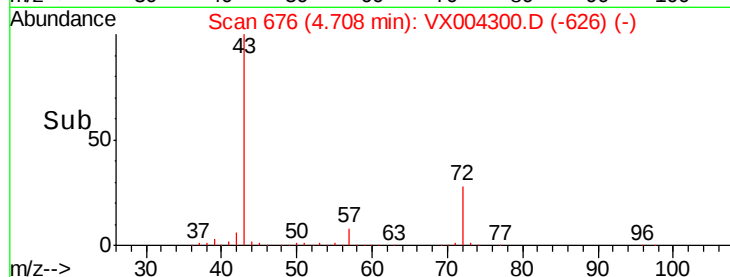
100000

50000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 37.09 ug/l

RT: 4.58 min Scan# 655

Delta R.T. -0.00 min

Lab File: VX004300.D

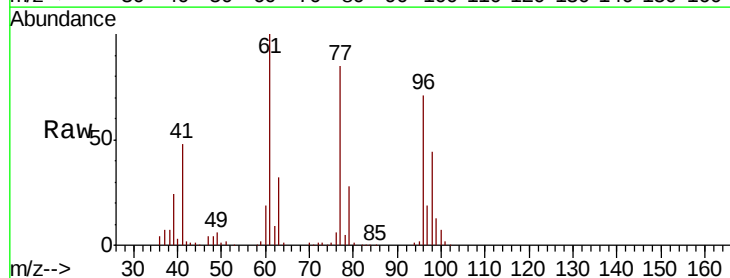
Acq: 29 Aug 2018 18:31

Tgt Ion: 77 Resp: 184693

Ion Ratio Lower Upper

77 100

97 24.8 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

60000

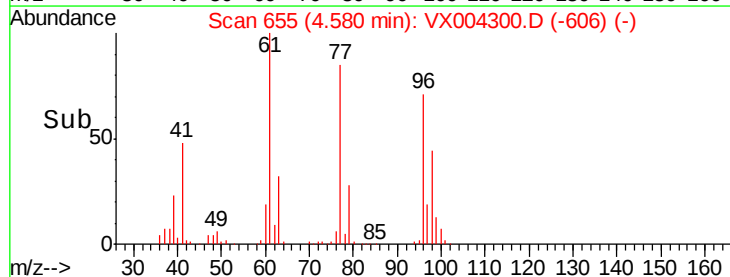
40000

20000

0

4.40 4.50 4.60 4.70 4.80

Time-->



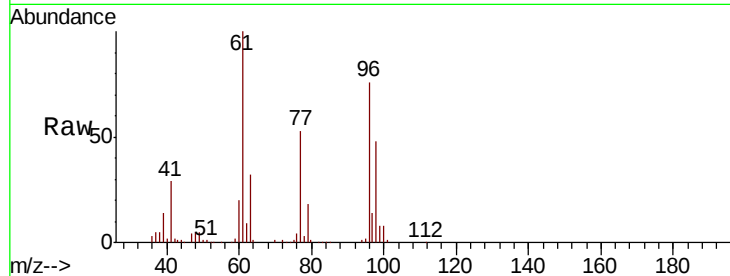


#27

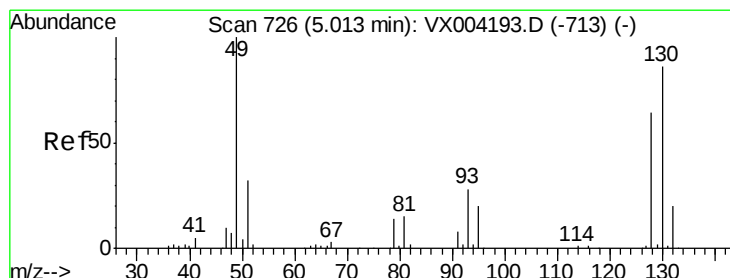
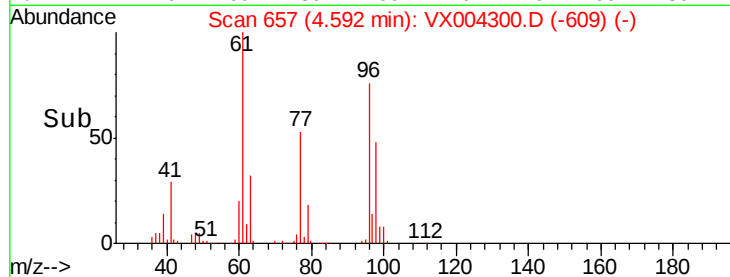
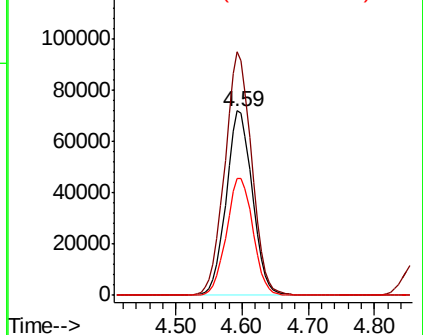
cis-1,2-Dichloroethene
 Concen: 49.47 ug/l
 RT: 4.59 min Scan# 657
 Delta R.T. -0.01 min
 Lab File: VX004300.D
 Acq: 29 Aug 2018 18:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	135.6	0.0	282.6
98	64.6	0.0	130.2



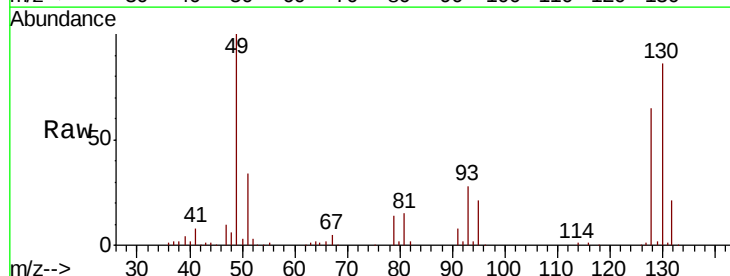
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



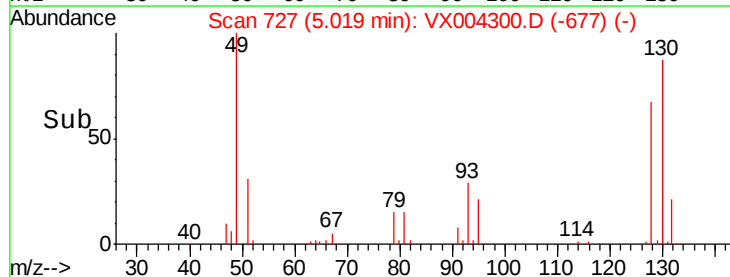
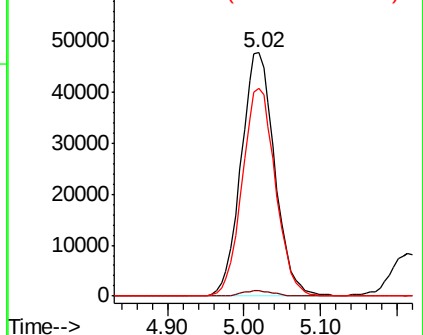
#28

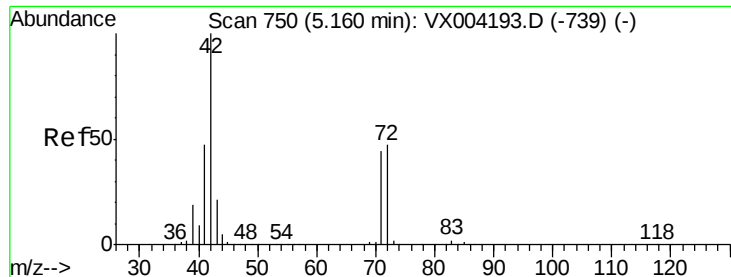
Bromochloromethane
 Concen: 51.99 ug/l
 RT: 5.02 min Scan# 727
 Delta R.T. 0.01 min
 Lab File: VX004300.D
 Acq: 29 Aug 2018 18:31

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.2
130	84.6	67.5	101.3



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: 263.22 ug/l

RT: 5.17 min Scan# 751

Delta R.T. 0.01 min

Lab File: VX004300.D

Acq: 29 Aug 2018 18:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

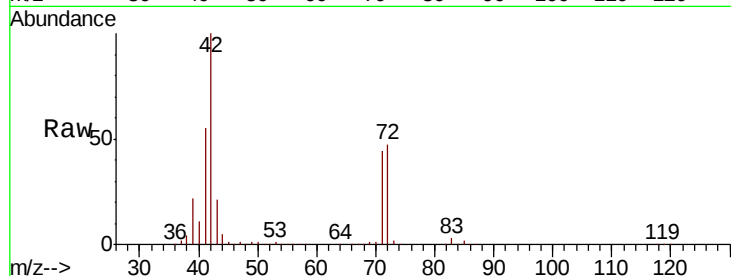
Tot Ion: 42 Resp: 441832

Ion Ratio Lower Upper

42 100

72 47.3 37.4 56.0

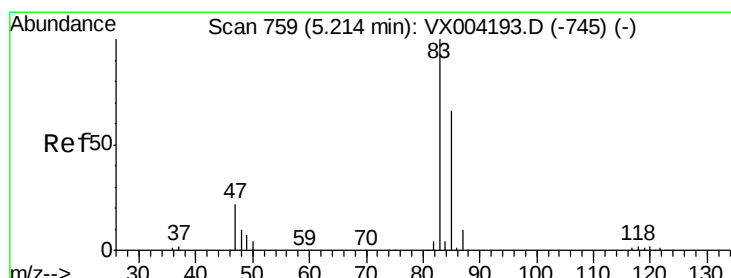
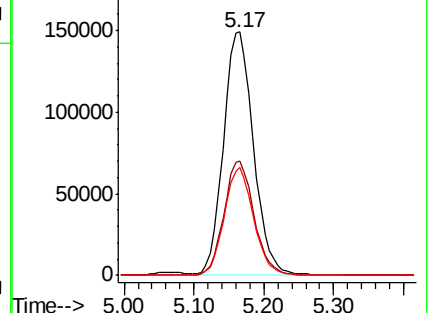
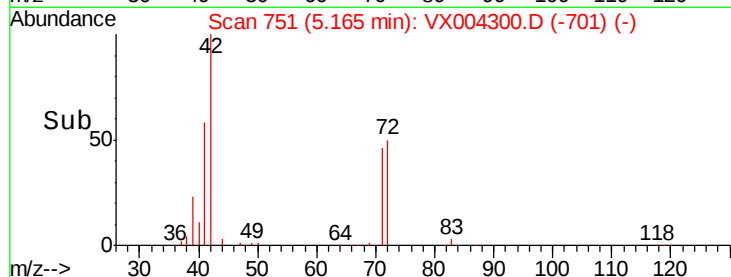
71 43.5 34.5 51.7



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#30

Chloroform

Concen: 50.77 ug/l

RT: 5.21 min Scan# 759

Delta R.T. -0.00 min

Lab File: VX004300.D

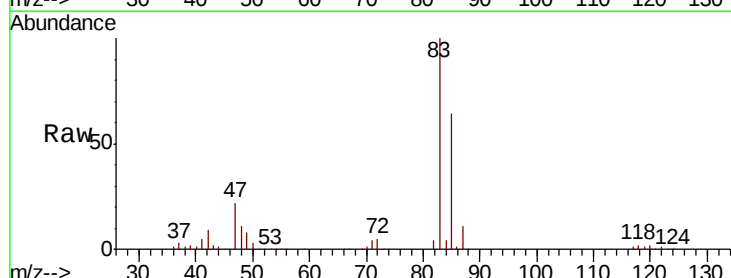
Acq: 29 Aug 2018 18:31

Tgt Ion: 83 Resp: 323139

Ion Ratio Lower Upper

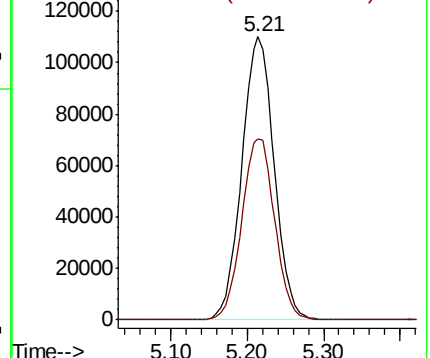
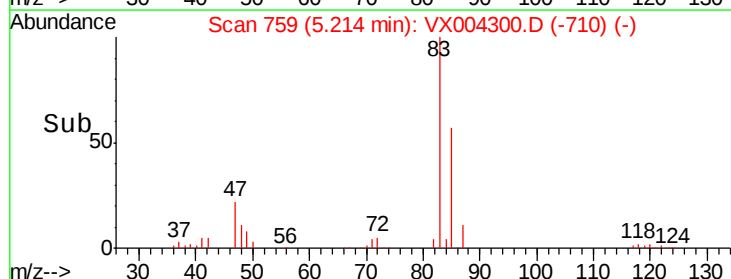
83 100

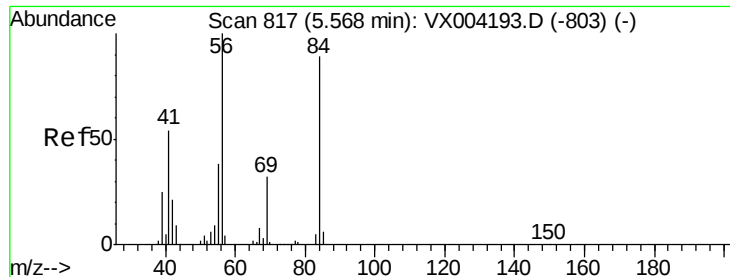
85 63.8 52.6 79.0



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

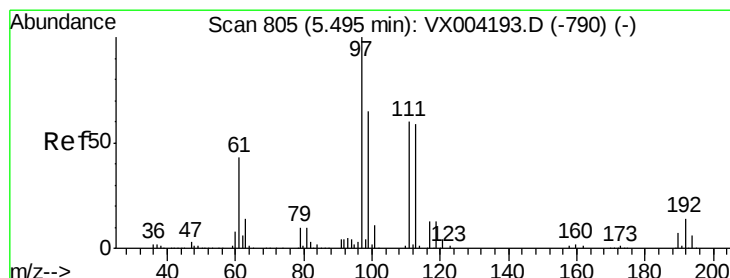
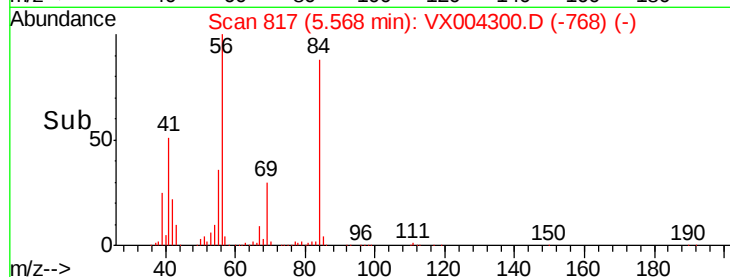
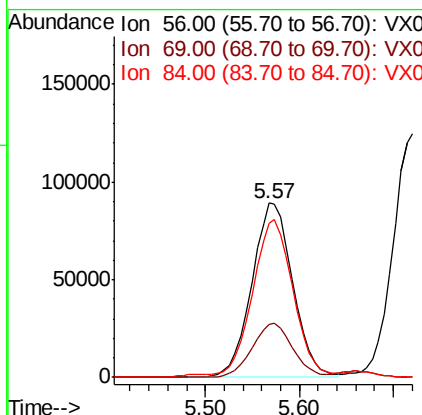
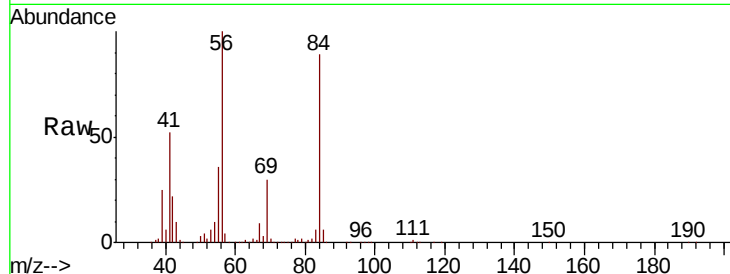




#31
Cyclohexane
Concen: 49.46 ug/l
RT: 5.57 min Scan# 817
Delta R.T. -0.00 min
Lab File: VX004300.D
Acq: 29 Aug 2018 18:31

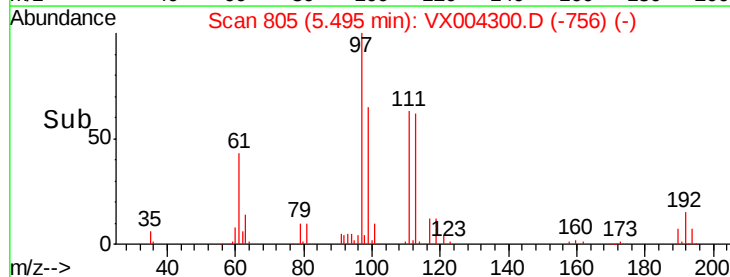
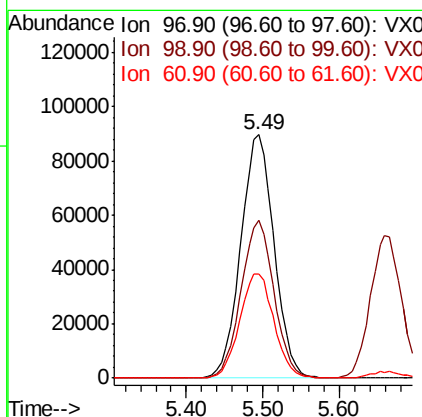
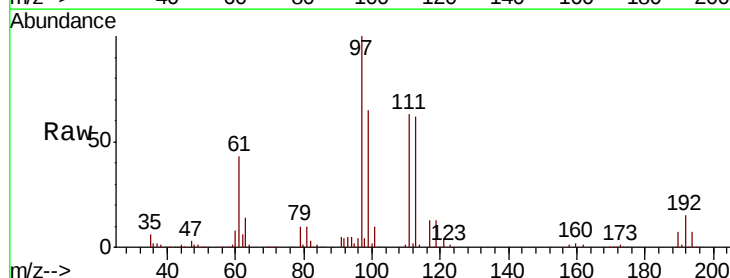
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 56 Resp: 270941
Ion Ratio Lower Upper
56 100
69 30.3 25.4 38.2
84 87.1 71.4 107.2



#32
1,1,1-Trichloroethane
Concen: 51.24 ug/l
RT: 5.49 min Scan# 805
Delta R.T. -0.00 min
Lab File: VX004300.D
Acq: 29 Aug 2018 18:31

Tgt Ion: 97 Resp: 271939
Ion Ratio Lower Upper
97 100
99 64.0 52.0 78.0
61 43.9 34.9 52.3

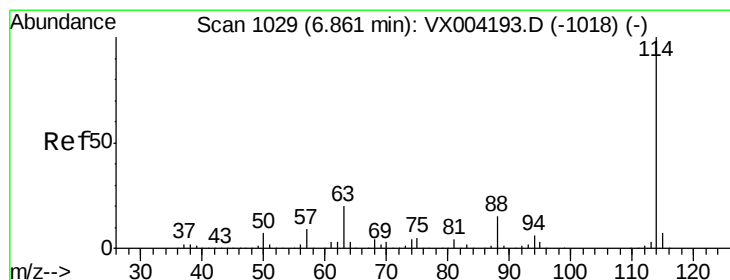
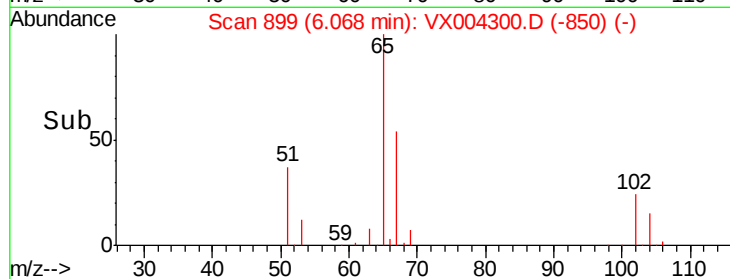
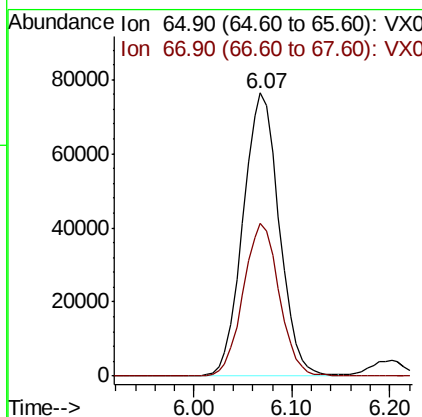
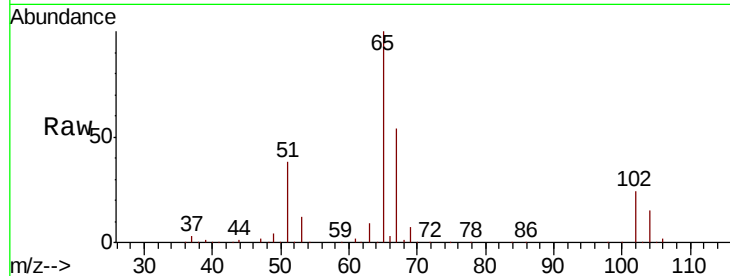




#33
 1,2-Dichloroethane-d4
 Concen: 50.17 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: VX004300.D
 Acq: 29 Aug 2018 18:31

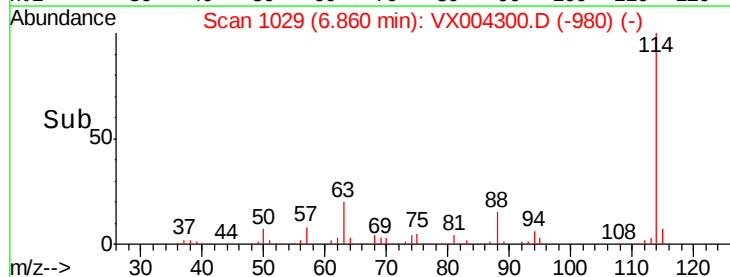
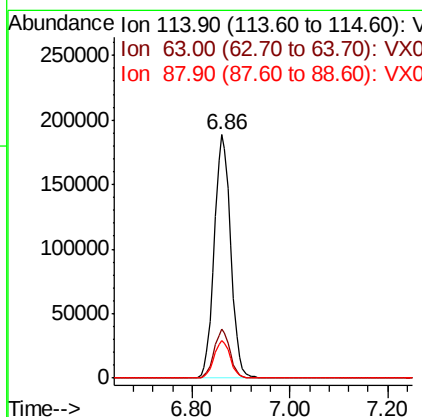
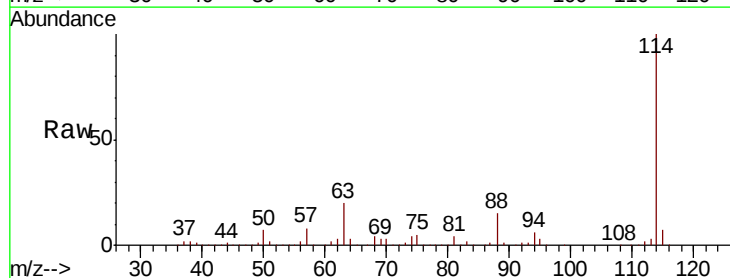
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 65 Resp: 196016
 Ion Ratio Lower Upper
 65 100
 67 53.6 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. -0.00 min
 Lab File: VX004300.D
 Acq: 29 Aug 2018 18:31

Tgt Ion: 114 Resp: 439547
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 39.0
 88 15.2 0.0 30.4

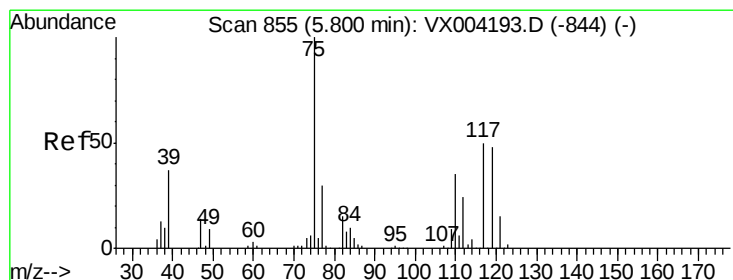
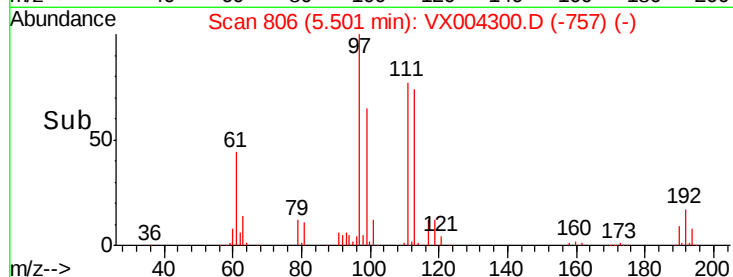
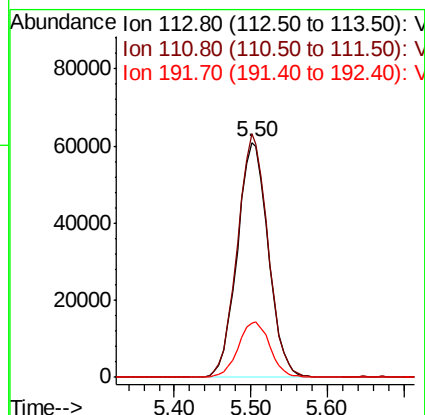
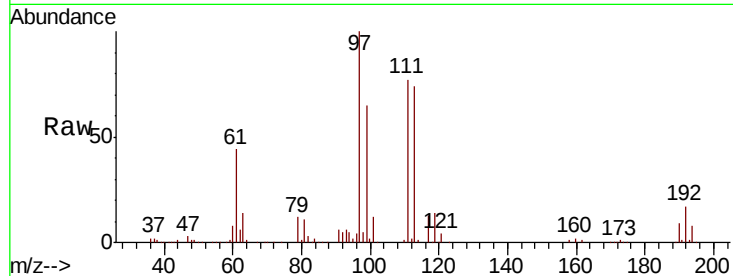




#35
 Dibromofluoromethane
 Concen: 52.34 ug/l
 RT: 5.50 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX004300.D
 Acq: 29 Aug 2018 18:31

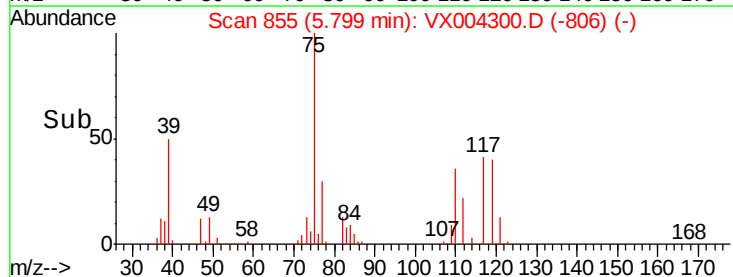
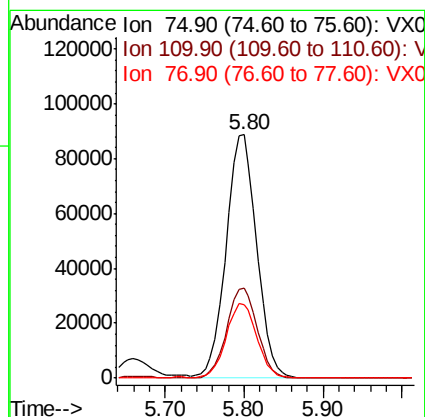
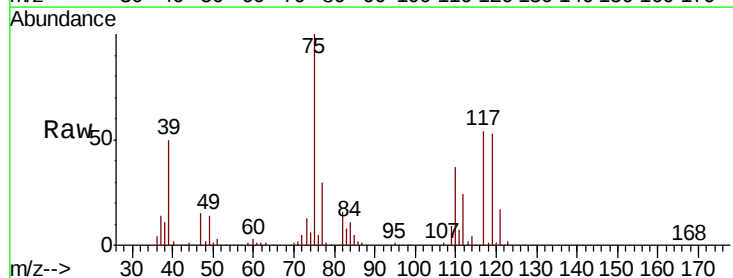
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:113 Resp: 171144
 Ion Ratio Lower Upper
 113 100
 111 102.2 82.4 123.6
 192 23.9 19.4 29.2



#36
 1,1-Dichloropropene
 Concen: 48.27 ug/l
 RT: 5.80 min Scan# 855
 Delta R.T. -0.00 min
 Lab File: VX004300.D
 Acq: 29 Aug 2018 18:31

Tgt Ion: 75 Resp: 238516
 Ion Ratio Lower Upper
 75 100
 110 37.2 18.0 54.0
 77 31.0 24.6 36.8

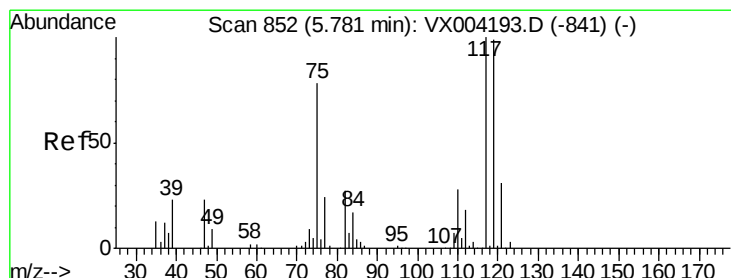
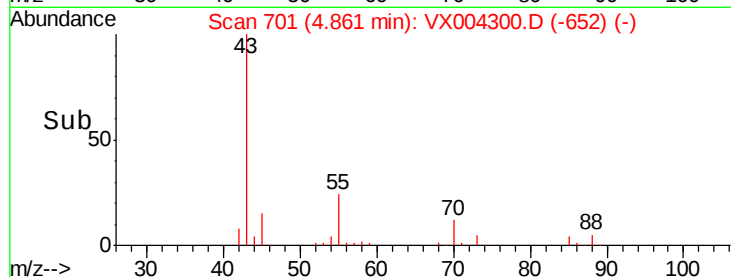
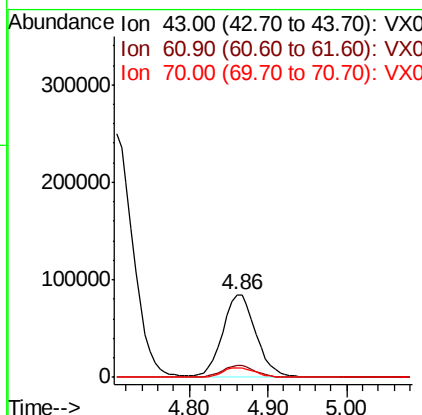
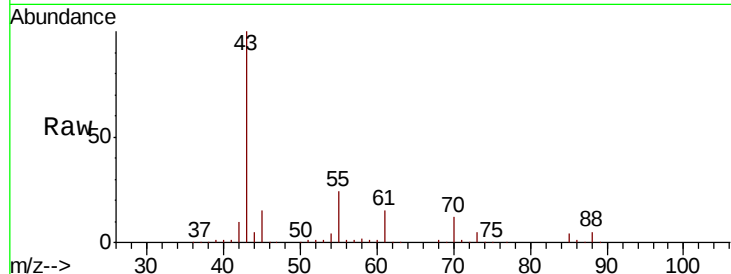




#37
Ethyl Acetate
Concen: 51.08 ug/l
RT: 4.86 min Scan# 701
Delta R.T. -0.00 min
Lab File: VX004300.D
Acq: 29 Aug 2018 18:31

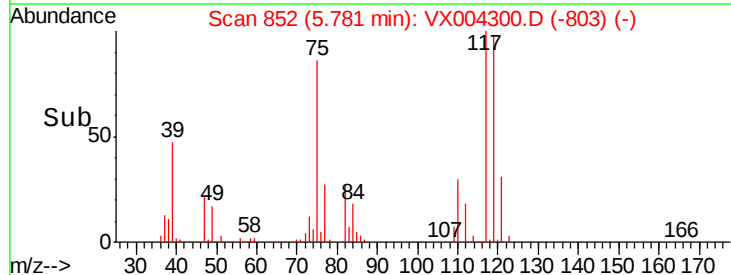
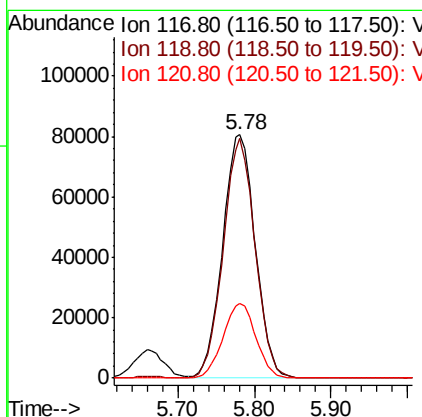
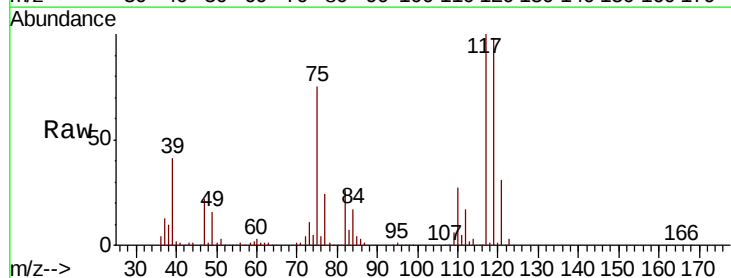
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

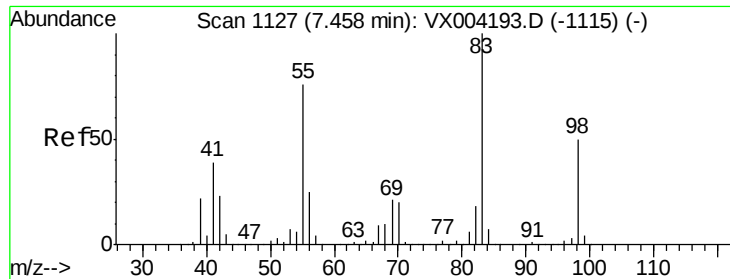
Tot Ion	Ratio	Lower	Upper
43	100		
61	14.9	11.5	17.3
70	11.4	9.0	13.6



#38
Carbon Tetrachloride
Concen: 51.10 ug/l
RT: 5.78 min Scan# 852
Delta R.T. -0.00 min
Lab File: VX004300.D
Acq: 29 Aug 2018 18:31

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.2	78.8	118.2
121	30.8	24.9	37.3

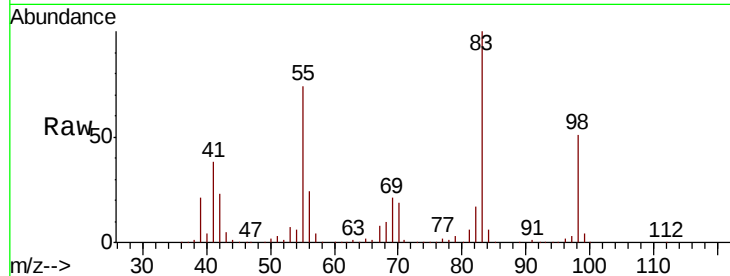




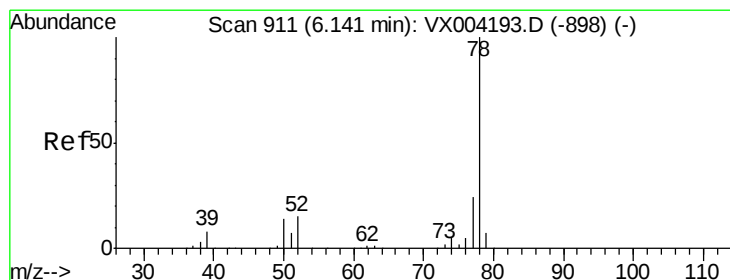
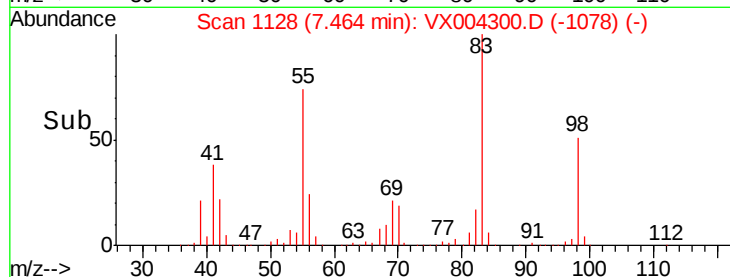
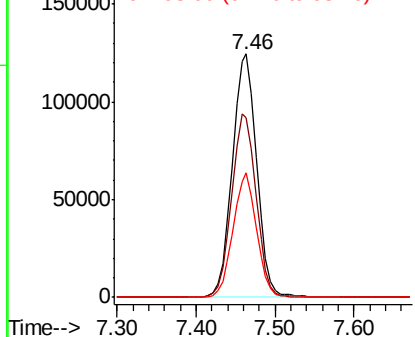
#39
Methvlcvclohexane
Concen: 47.38 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.01 min
Lab File: VX004300.D
Acq: 29 Aug 2018 18:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 83 Resp: 267330
Ion Ratio Lower Upper
83 100
55 73.7 61.0 91.4
98 50.9 39.6 59.4

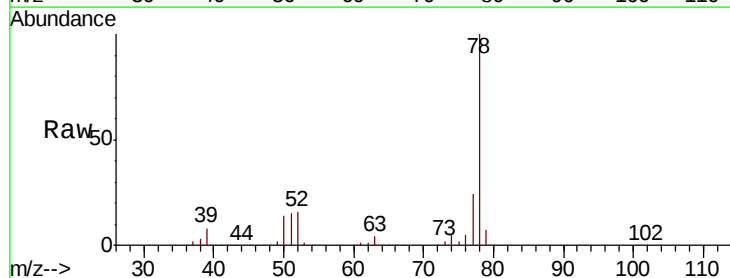


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

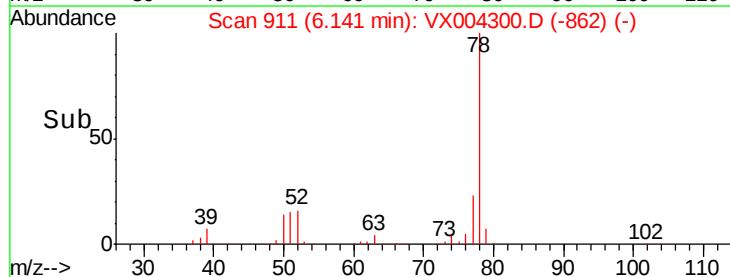
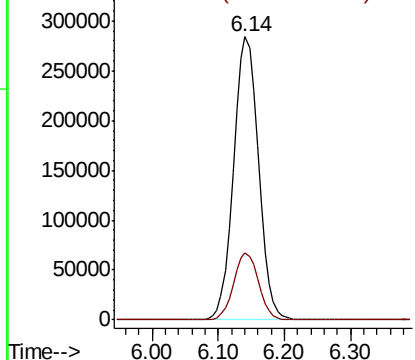


#40
Benzene
Concen: 50.28 ug/l
RT: 6.14 min Scan# 911
Delta R.T. -0.00 min
Lab File: VX004300.D
Acq: 29 Aug 2018 18:31

Tgt Ion: 78 Resp: 742391
Ion Ratio Lower Upper
78 100
77 23.8 19.0 28.4



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





#41

Methacrylonitrile

Concen: 51.81 ug/l

RT: 5.06 min Scan# 734

Delta R.T. -0.00 min

Lab File: VX004300.D

Acq: 29 Aug 2018 18:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 145953

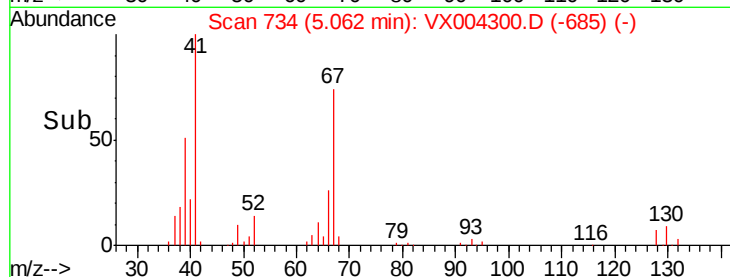
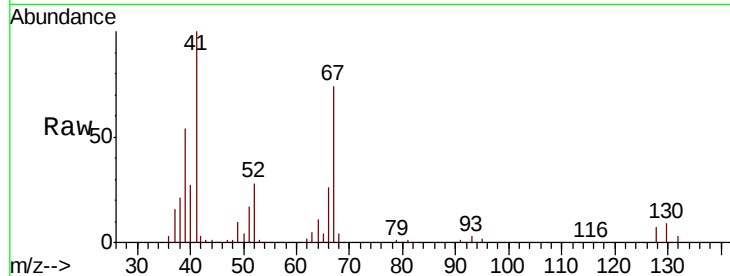
Ion Ratio Lower Upper

41 100

39 53.9 42.4 63.6

67 75.8 59.2 88.8

52 29.3 23.0 34.4

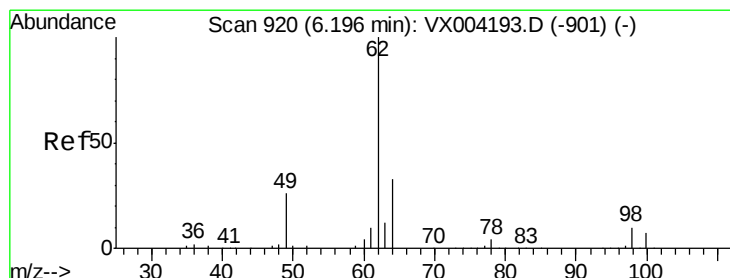
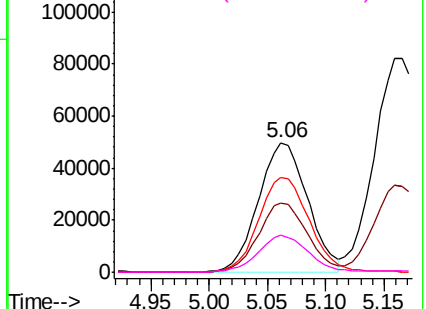


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 49.70 ug/l

RT: 6.20 min Scan# 920

Delta R.T. -0.00 min

Lab File: VX004300.D

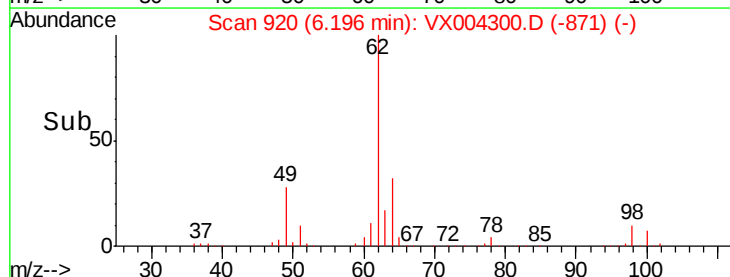
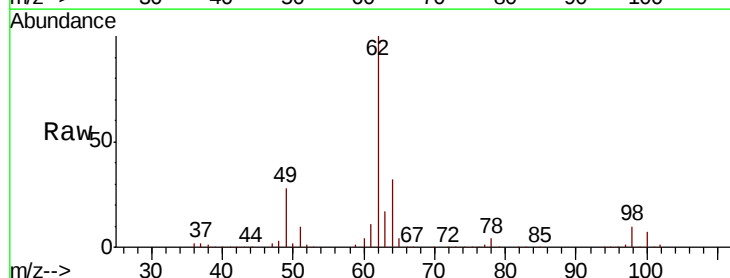
Acq: 29 Aug 2018 18:31

Tgt Ion: 62 Resp: 250306

Ion Ratio Lower Upper

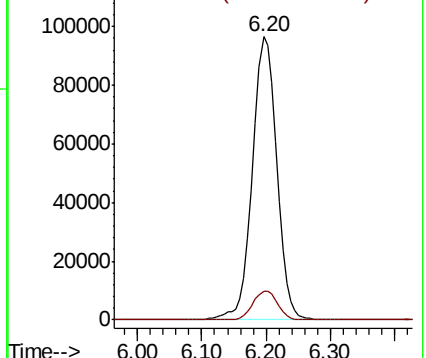
62 100

98 10.4 0.0 20.6



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 51.98 ug/l

RT: 6.47 min Scan# 965

Delta R.T. 0.01 min

Lab File: VX004300.D

Acq: 29 Aug 2018 18:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

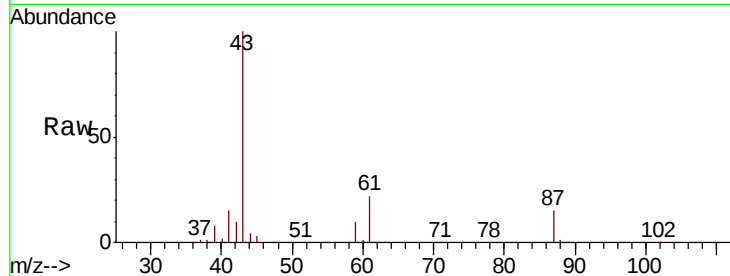
Tot Ion: 43 Resp: 388179

Ion Ratio Lower Upper

43 100

61 21.6 17.0 25.4

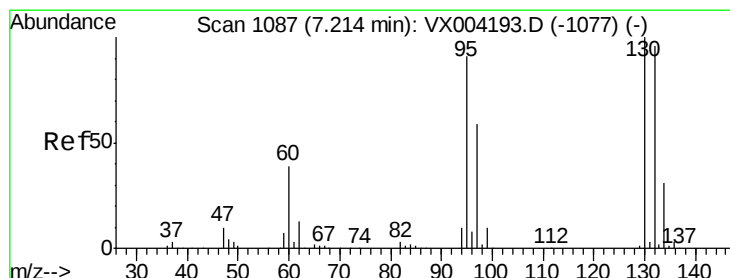
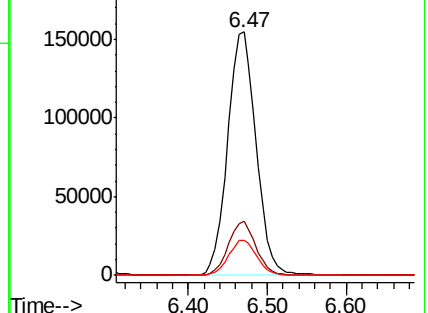
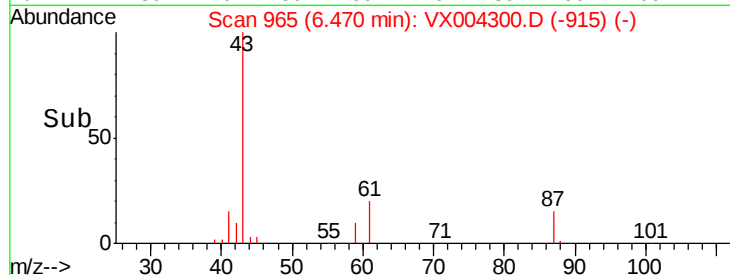
87 14.4 11.4 17.2



Abundance Ion 43.00 (42.70 to 43.70): VX004300.D (-915) (-)

Ion 61.00 (60.70 to 61.70): VX004300.D (-915) (-)

Ion 87.00 (86.70 to 87.70): VX004300.D (-915) (-)



#44

Trichloroethene

Concen: 48.22 ug/l

RT: 7.21 min Scan# 1087

Delta R.T. -0.00 min

Lab File: VX004300.D

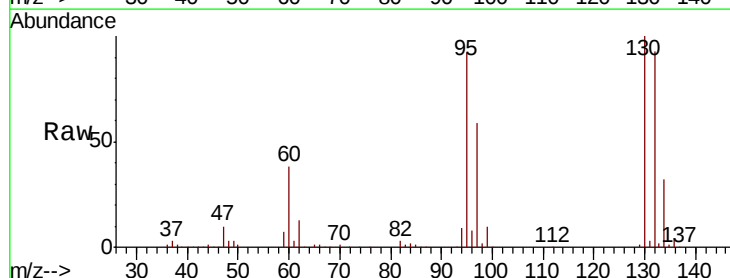
Acq: 29 Aug 2018 18:31

Tgt Ion:130 Resp: 197068

Ion Ratio Lower Upper

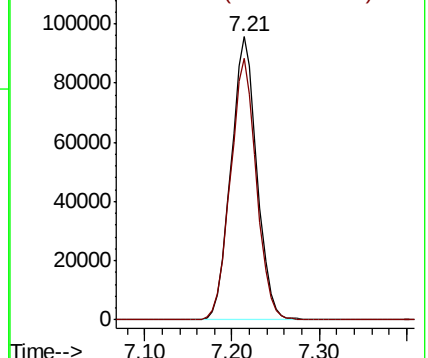
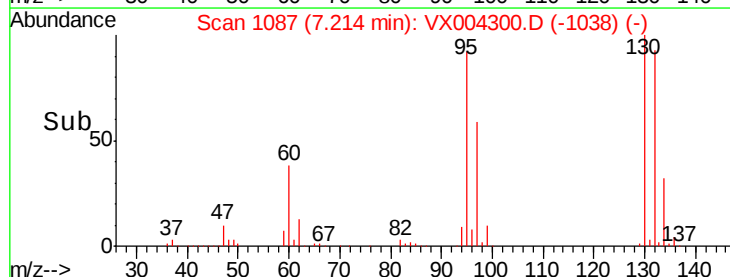
130 100

95 92.4 0.0 181.6



Abundance Ion 129.80 (129.50 to 130.50): VX004300.D (-1038) (-)

Ion 94.90 (94.60 to 95.60): VX004300.D (-1038) (-)

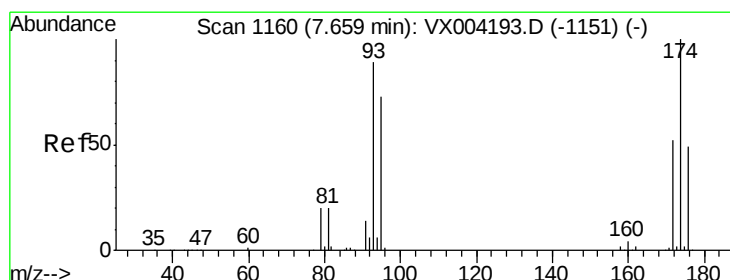
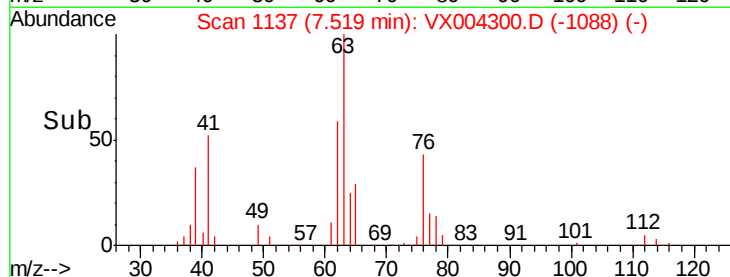
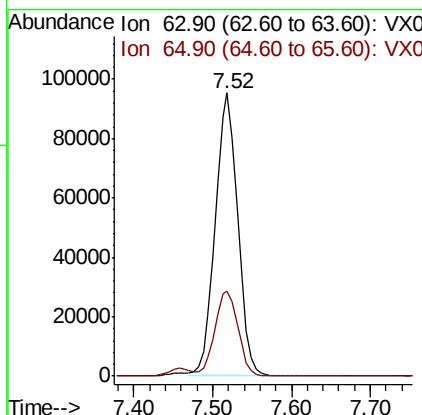
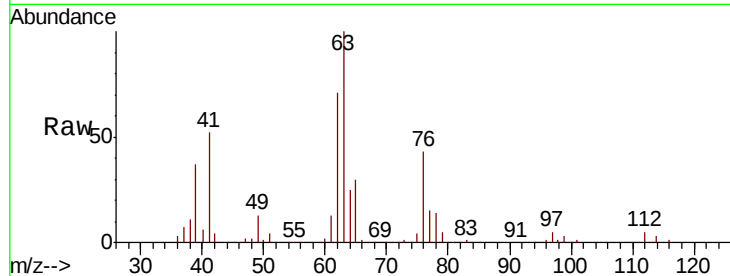




#45
 1,2-Dichloropropane
 Concen: 51.32 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. -0.00 min
 Lab File: VX004300.D
 Acq: 29 Aug 2018 18:31

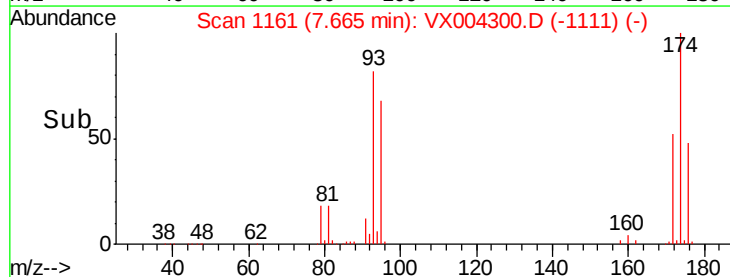
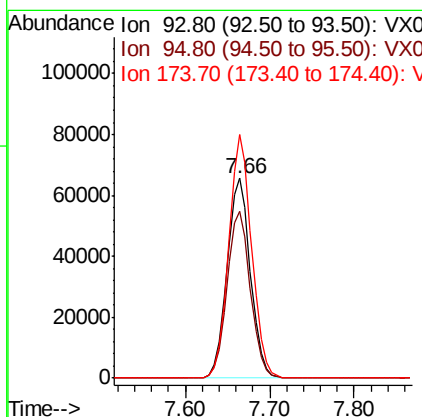
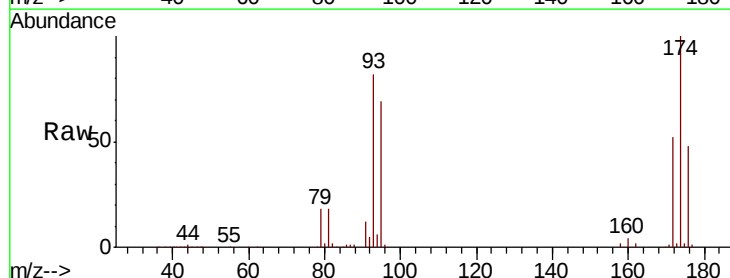
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

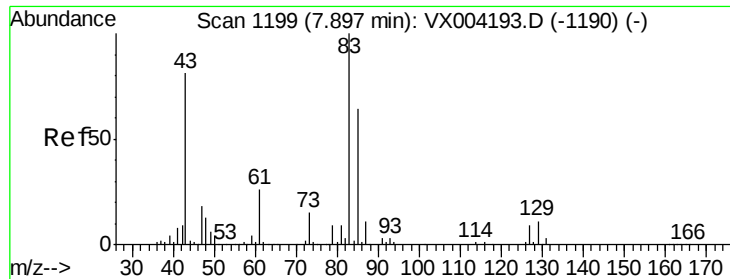
Tot Ion: 63 Resp: 189671
 Ion Ratio Lower Upper
 63 100
 65 30.2 24.3 36.5



#46
 Dibromomethane
 Concen: 50.34 ug/l
 RT: 7.66 min Scan# 1161
 Delta R.T. 0.01 min
 Lab File: VX004300.D
 Acq: 29 Aug 2018 18:31

Tgt Ion: 93 Resp: 123869
 Ion Ratio Lower Upper
 93 100
 95 83.6 65.5 98.3
 174 119.1 94.2 141.4





#47

Bromodichloromethane

Concen: 53.08 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.01 min

Lab File: VX004300.D

Acq: 29 Aug 2018 18:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

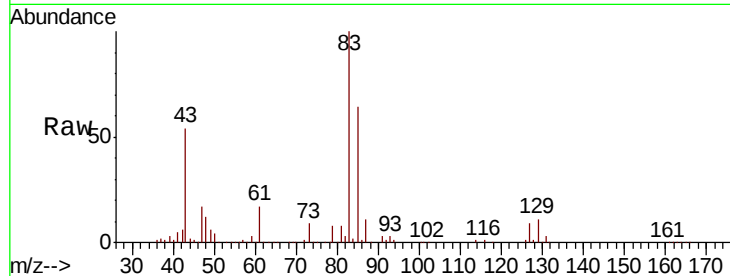
Tot Ion: 83 Resp: 243046

Ion Ratio Lower Upper

83 100

85 64.1 50.9 76.3

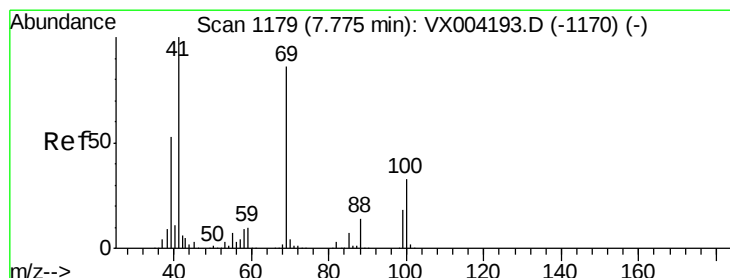
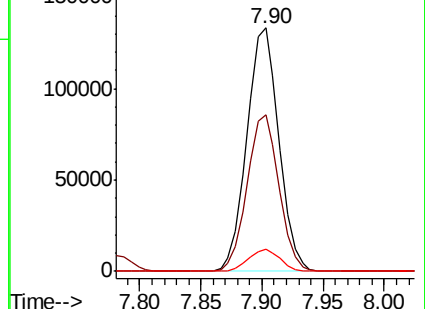
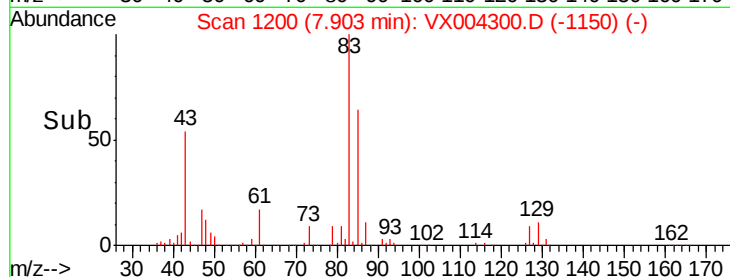
127 9.0 7.3 10.9



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 53.18 ug/l

RT: 7.78 min Scan# 1180

Delta R.T. 0.01 min

Lab File: VX004300.D

Acq: 29 Aug 2018 18:31

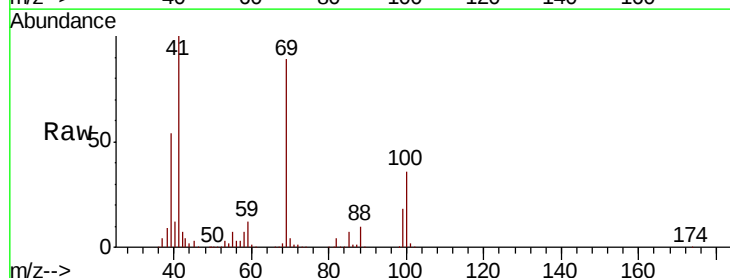
Tgt Ion: 41 Resp: 212487

Ion Ratio Lower Upper

41 100

69 88.4 70.2 105.4

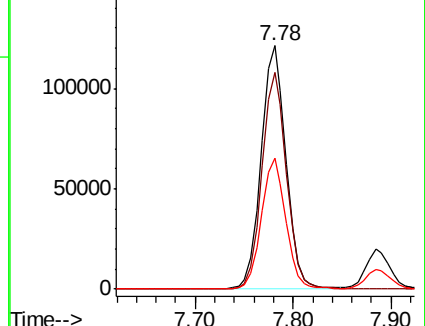
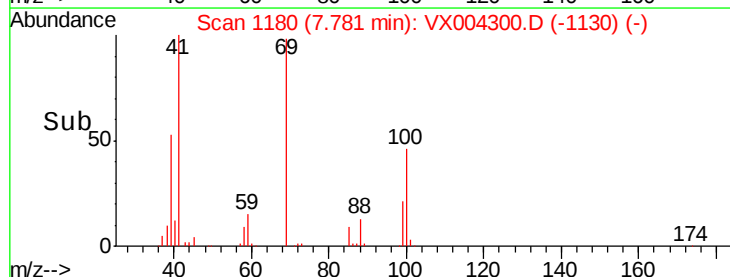
39 53.0 42.7 64.1

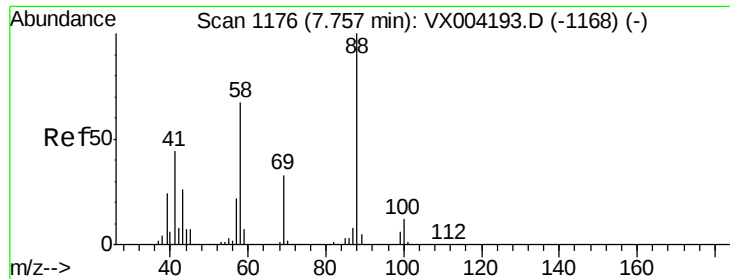


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

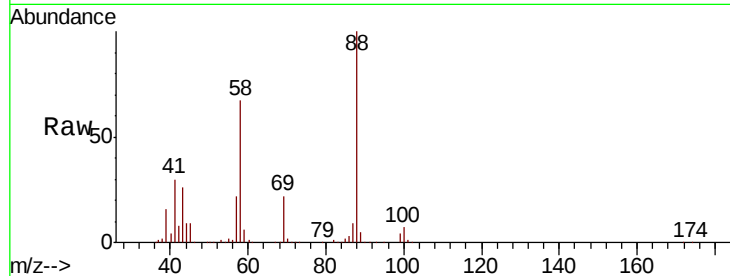




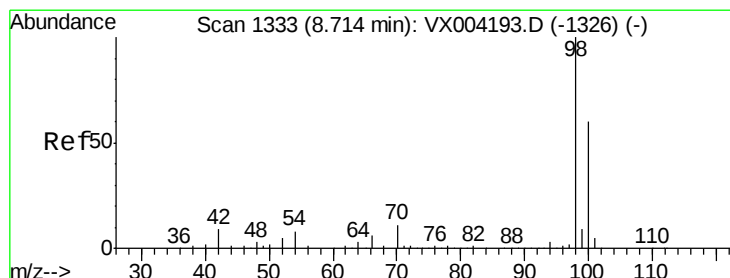
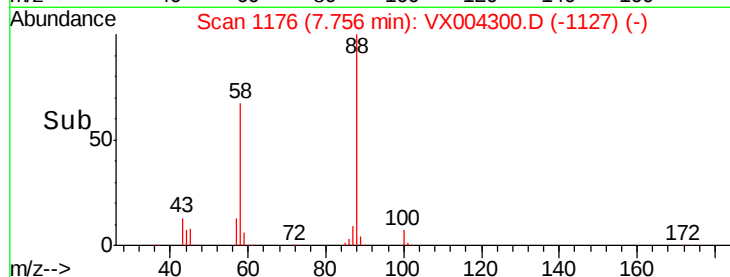
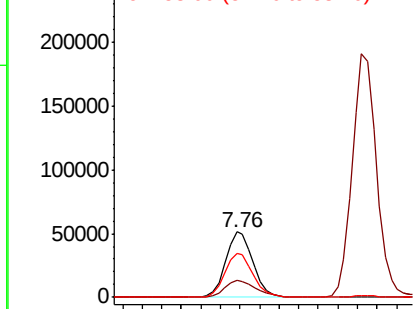
#49
1,4-Dioxane
Concen: 1081.71 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. -0.00 min
Lab File: VX004300.D
Acq: 29 Aug 2018 18:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 88 Resp: 98136
Ion Ratio Lower Upper
88 100
43 30.3 24.7 37.1
58 69.0 55.3 82.9

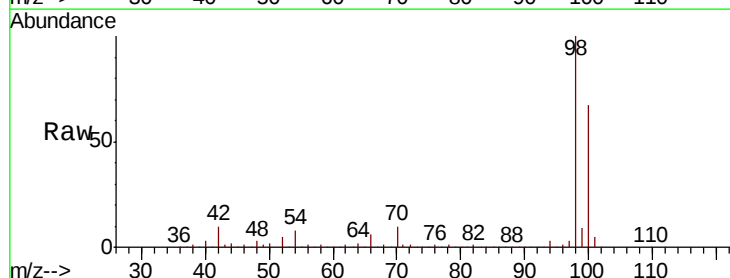


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

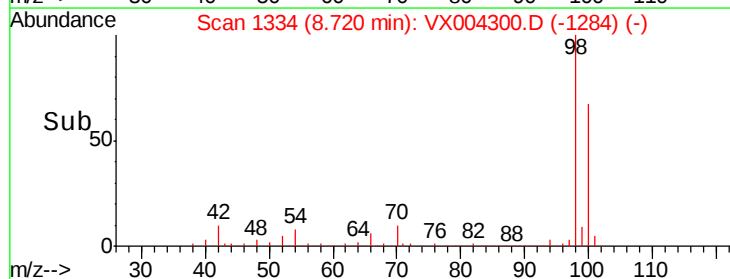
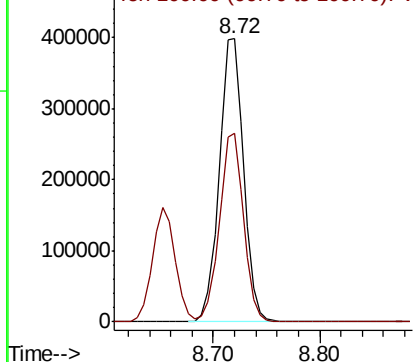


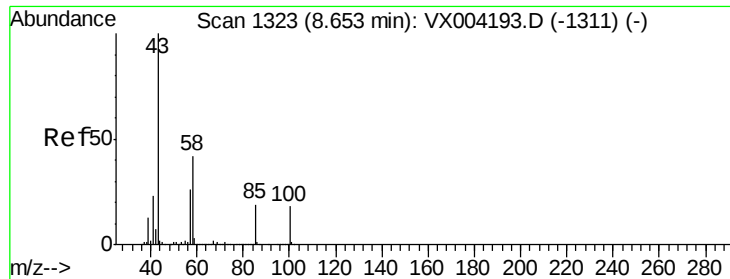
#50
Toluene-d8
Concen: 51.14 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.01 min
Lab File: VX004300.D
Acq: 29 Aug 2018 18:31

Tgt Ion: 98 Resp: 631230
Ion Ratio Lower Upper
98 100
100 66.5 52.9 79.3



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





#51

4-Methyl-2-Pentanone

Concen: 255.78 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. -0.00 min

Lab File: VX004300.D

Acq: 29 Aug 2018 18:31

Instrument :

MSVOA_X

ClientSampleId :

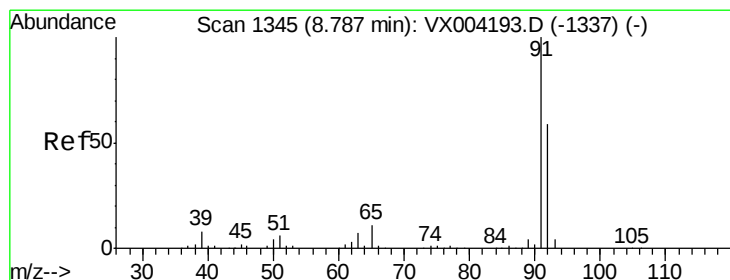
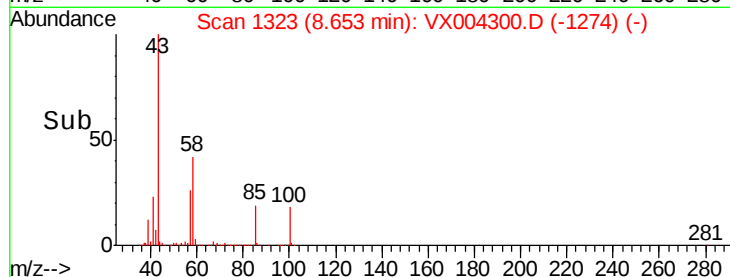
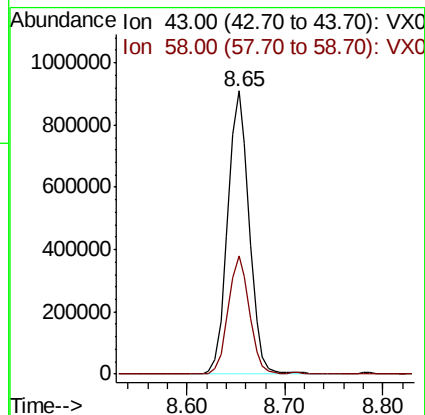
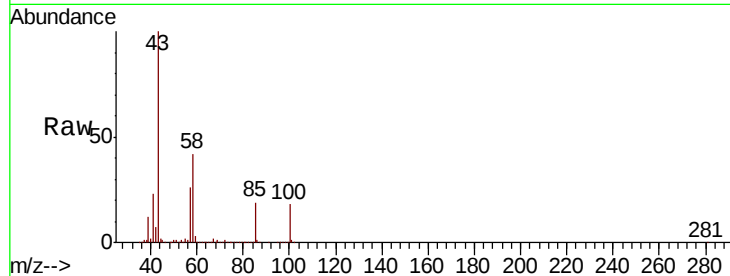
VSTDCCC050EC

Tot Ion: 43 Resp: 1387838

Ion Ratio Lower Upper

43 100

58 41.3 33.1 49.7



#52

Toluene

Concen: 50.89 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX004300.D

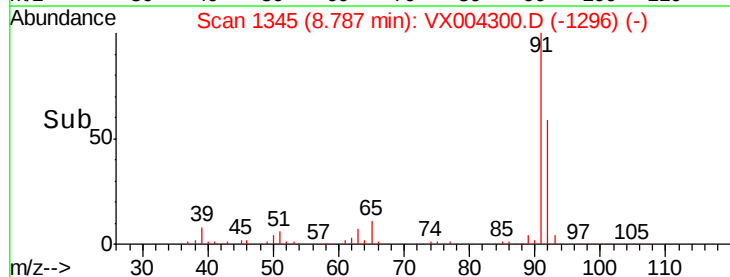
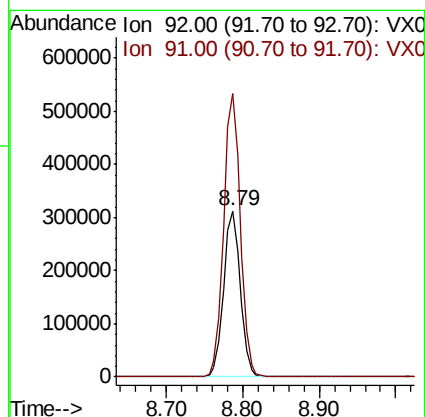
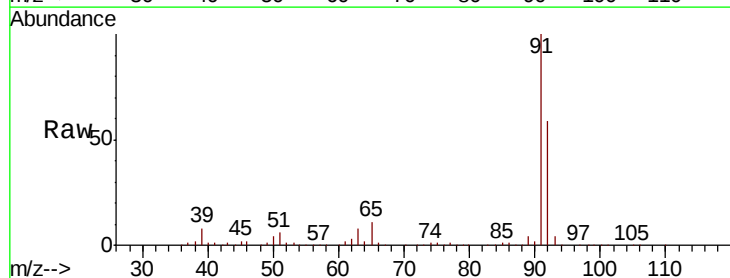
Acq: 29 Aug 2018 18:31

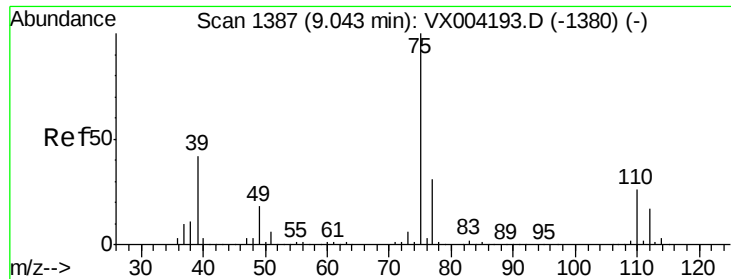
Tgt Ion: 92 Resp: 470339

Ion Ratio Lower Upper

92 100

91 171.2 136.4 204.6

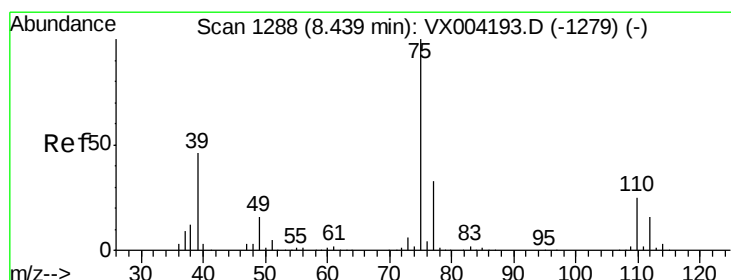
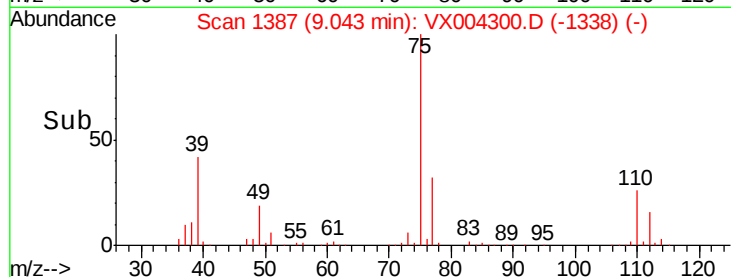
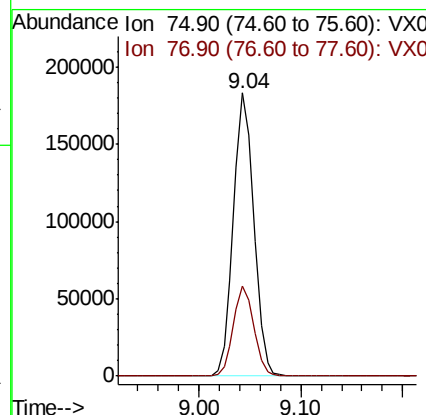
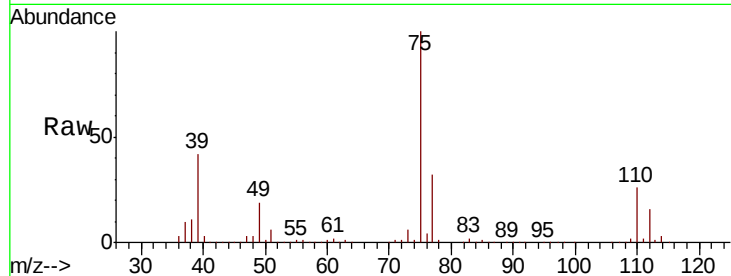




#53
 t-1,3-Dichloropropene
 Concen: 50.21 ug/l
 RT: 9.04 min Scan# 1387
 Delta R.T. -0.00 min
 Lab File: VX004300.D
 Acq: 29 Aug 2018 18:31

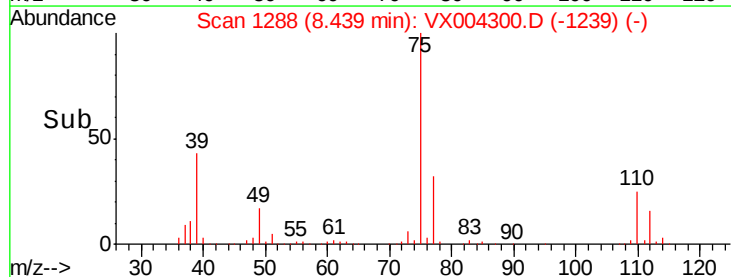
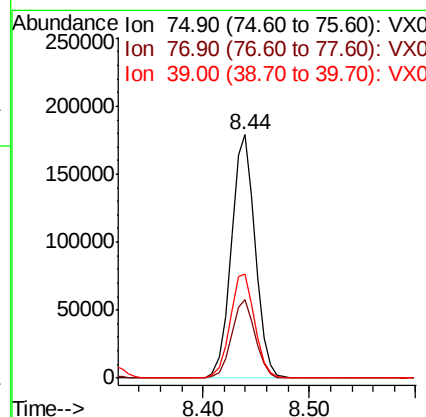
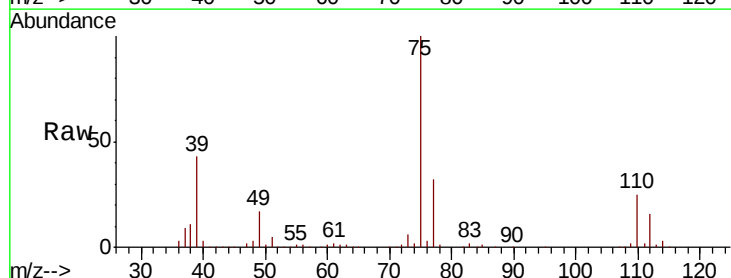
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

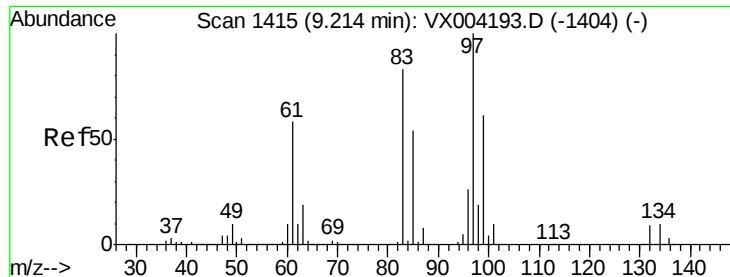
Tot Ion: 75 Resp: 253929
 Ion Ratio Lower Upper
 75 100
 77 31.7 24.6 37.0



#54
 cis-1,3-Dichloropropene
 Concen: 50.92 ug/l
 RT: 8.44 min Scan# 1288
 Delta R.T. -0.00 min
 Lab File: VX004300.D
 Acq: 29 Aug 2018 18:31

Tgt Ion: 75 Resp: 280511
 Ion Ratio Lower Upper
 75 100
 77 32.5 26.2 39.2
 39 42.8 36.4 54.6

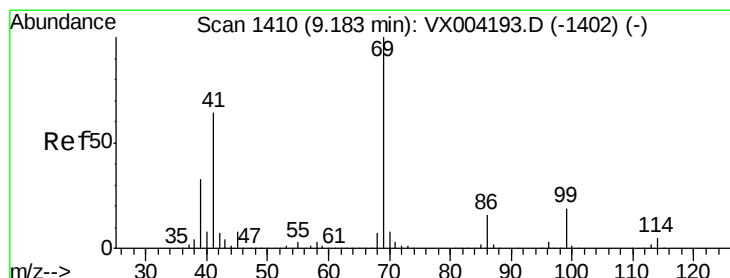
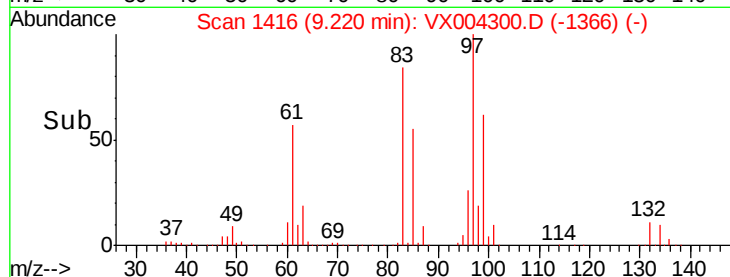
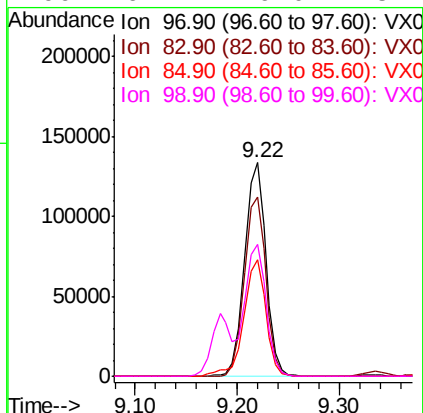
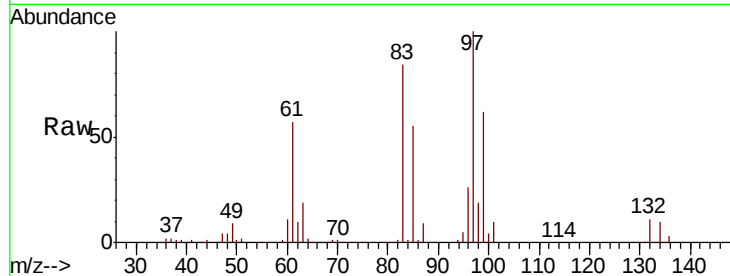




#55
 1,1,2-Trichloroethane
 Concen: 51.99 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.01 min
 Lab File: VX004300.D
 Acq: 29 Aug 2018 18:31

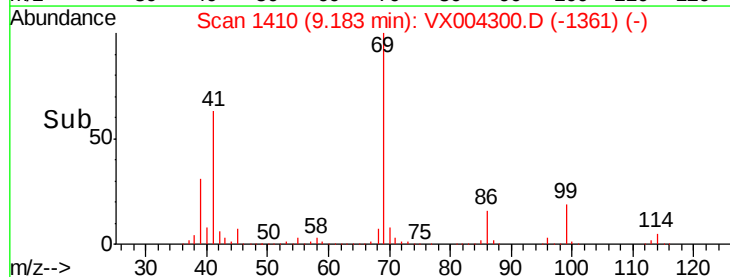
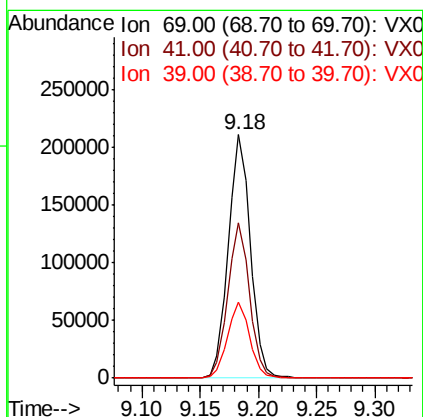
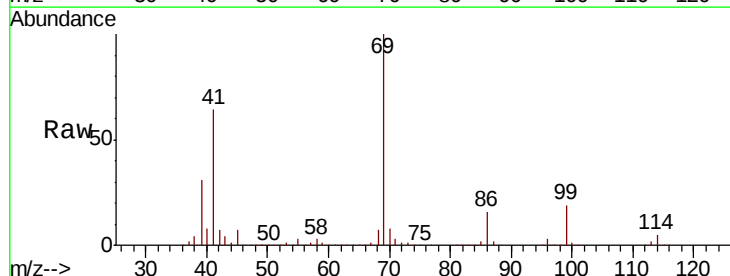
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

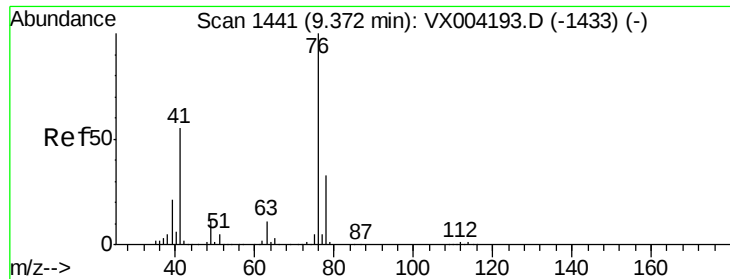
Tot Ion:	97	Resp:	193995
Ion	Ratio	Lower	Upper
97	100		
83	83.7	66.4	99.6
85	54.7	43.3	64.9
99	61.7	49.0	73.4



#56
 Ethyl methacrylate
 Concen: 55.27 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. -0.00 min
 Lab File: VX004300.D
 Acq: 29 Aug 2018 18:31

Tgt Ion:	69	Resp:	280745
Ion	Ratio	Lower	Upper
69	100		
41	62.6	51.0	76.4
39	31.2	26.1	39.1





#57

1,3-Dichloropropane

Concen: 51.94 ug/l

RT: 9.37 min Scan# 1441

Delta R.T. -0.00 min

Lab File: VX004300.D

Acq: 29 Aug 2018 18:31

Instrument :

MSVOA_X

ClientSampleId :

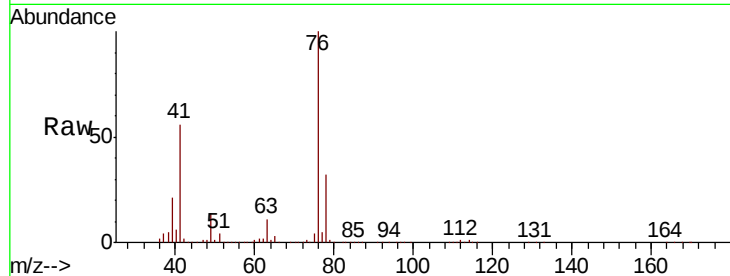
VSTDCCC050EC

Tot Ion: 76 Resp: 326673

Ion Ratio Lower Upper

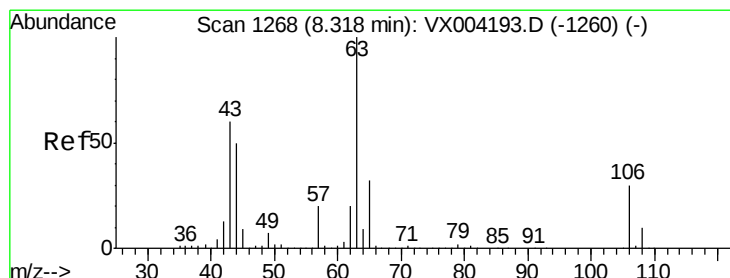
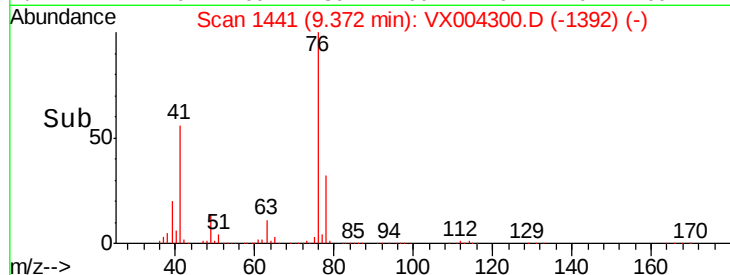
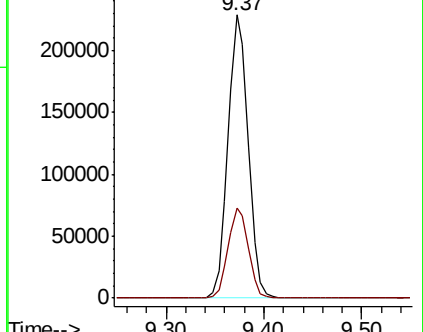
76 100

78 32.2 25.5 38.3



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 277.36 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VX004300.D

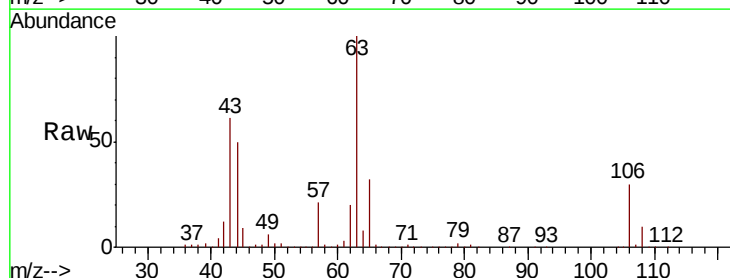
Acq: 29 Aug 2018 18:31

Tgt Ion: 63 Resp: 721842

Ion Ratio Lower Upper

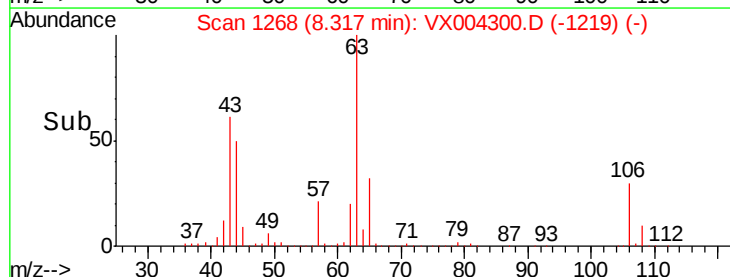
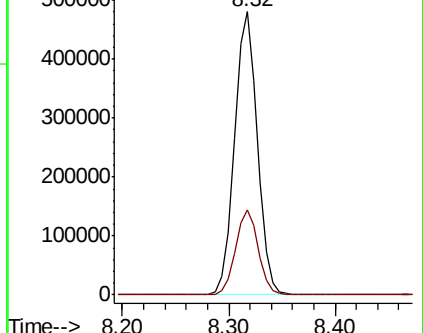
63 100

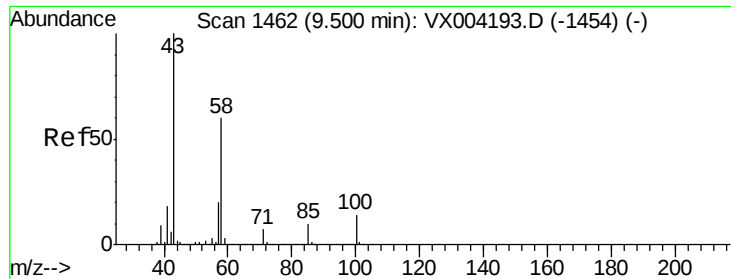
106 29.9 23.9 35.9



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

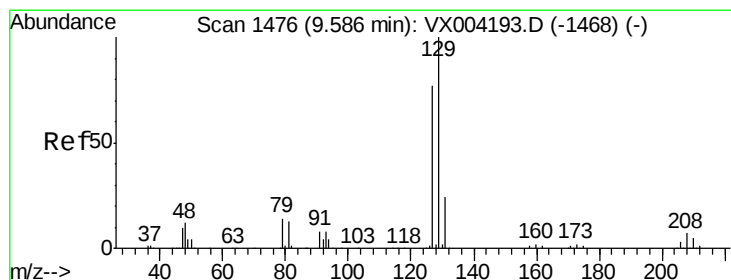
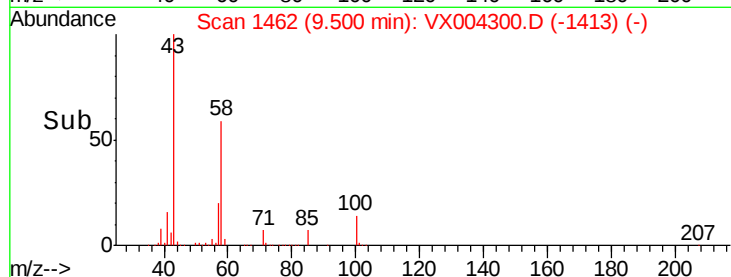
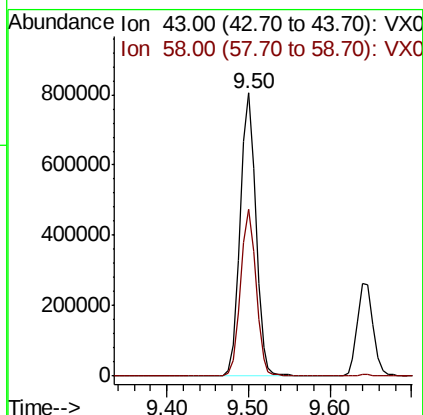
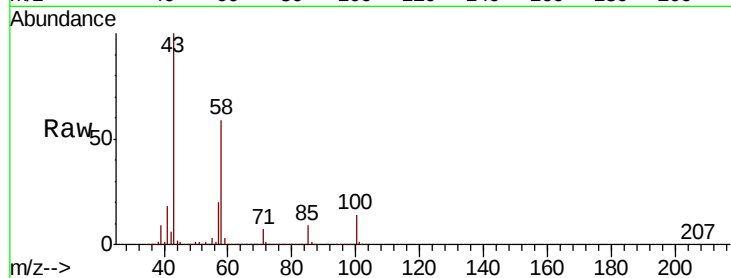




#59
2-Hexanone
Concen: 256.48 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.00 min
Lab File: VX004300.D
Acq: 29 Aug 2018 18:31

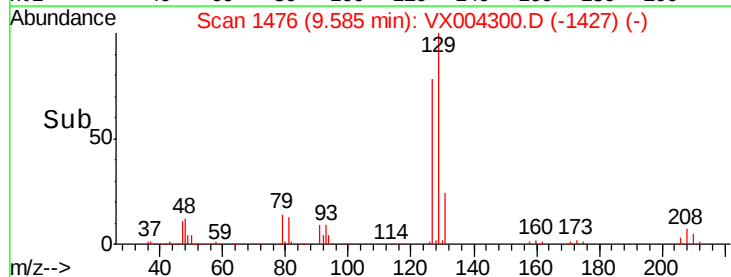
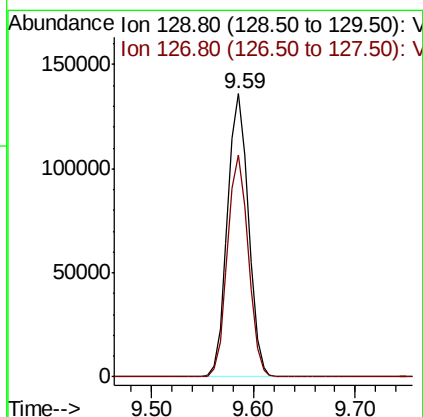
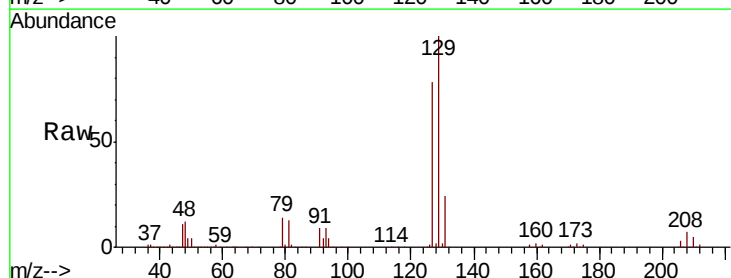
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

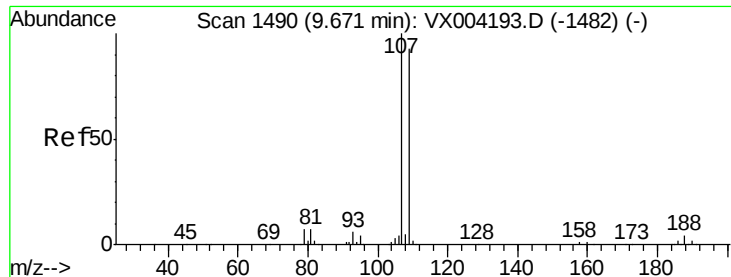
Tot Ion: 43 Resp: 1061683
Ion Ratio Lower Upper
43 100
58 58.2 29.0 87.0



#60
Dibromochloromethane
Concen: 53.30 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VX004300.D
Acq: 29 Aug 2018 18:31

Tgt Ion:129 Resp: 193755
Ion Ratio Lower Upper
129 100
127 77.9 38.5 115.5





#61

1,2-Dibromoethane

Concen: 50.14 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.01 min

Lab File: VX004300.D

Acq: 29 Aug 2018 18:31

Instrument :

MSVOA_X

ClientSampleId :

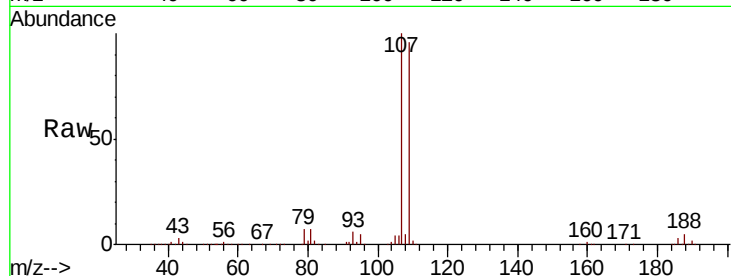
VSTDCCC050EC

Tot Ion: 107 Resp: 193592

Ion Ratio Lower Upper

107 100

109 97.1 76.0 114.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.68

150000

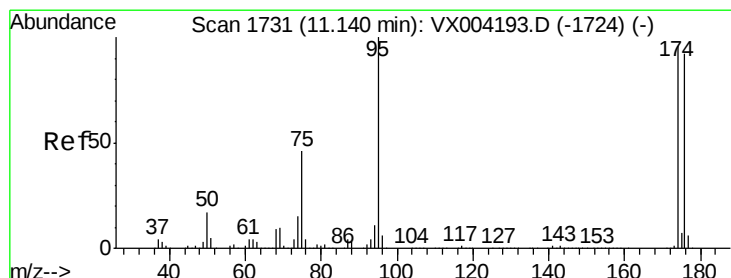
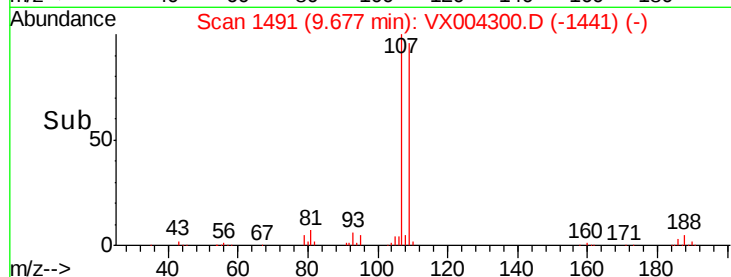
100000

50000

0

Time-->

9.60 9.65 9.70 9.75 9.80



#62

4-Bromofluorobenzene

Concen: 52.00 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX004300.D

Acq: 29 Aug 2018 18:31

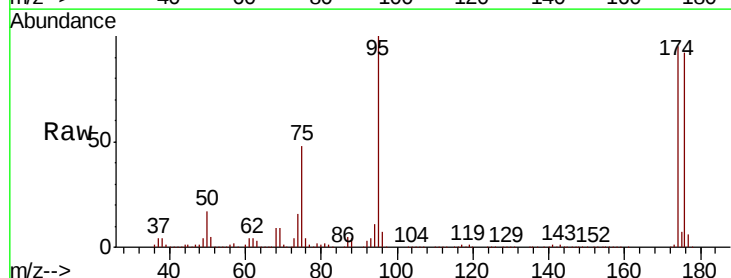
Tgt Ion: 95 Resp: 239494

Ion Ratio Lower Upper

95 100

174 92.3 0.0 185.2

176 90.0 0.0 178.6



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

250000

200000

150000

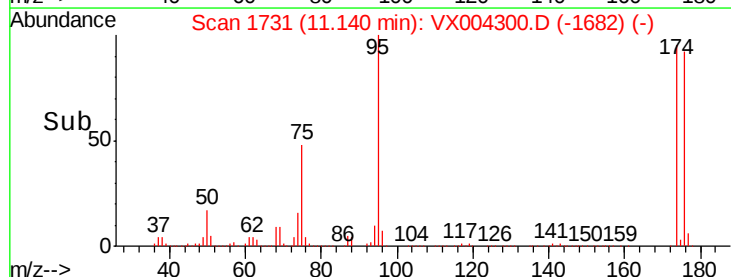
100000

50000

0

Time-->

11.10 11.20

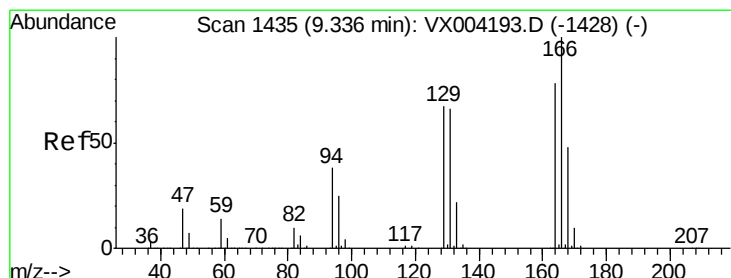
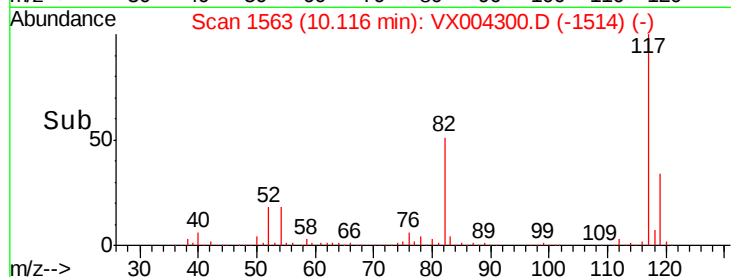
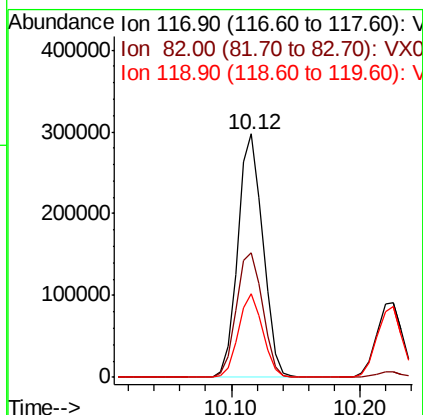
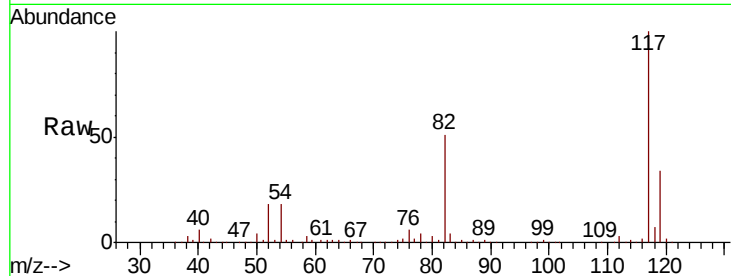




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX004300.D
Acq: 29 Aug 2018 18:31

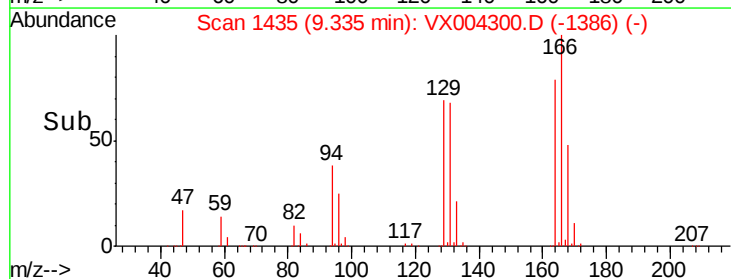
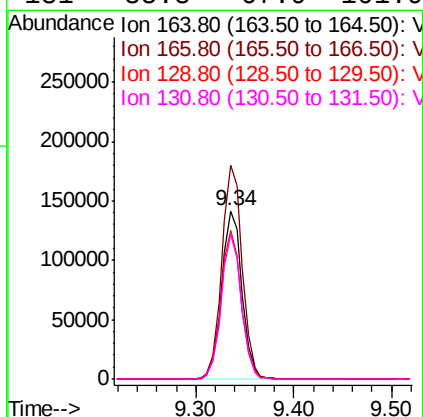
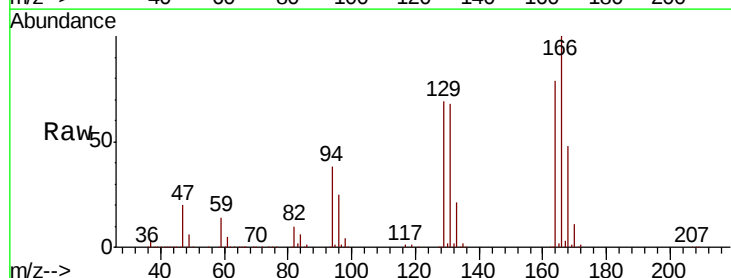
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

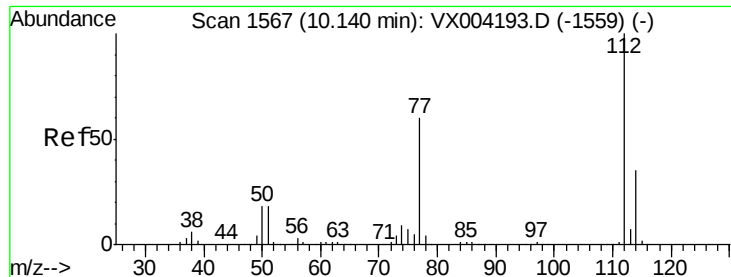
Tot Ion:117 Resp: 400780
Ion Ratio Lower Upper
117 100
82 51.3 47.8 71.6
119 34.3 29.3 43.9



#64
Tetrachloroethene
Concen: 51.42 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.00 min
Lab File: VX004300.D
Acq: 29 Aug 2018 18:31

Tgt Ion:164 Resp: 203577
Ion Ratio Lower Upper
164 100
166 126.9 102.8 154.2
129 88.0 69.4 104.0
131 85.8 67.9 101.9

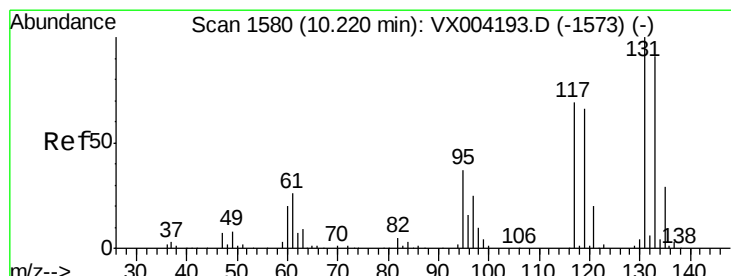
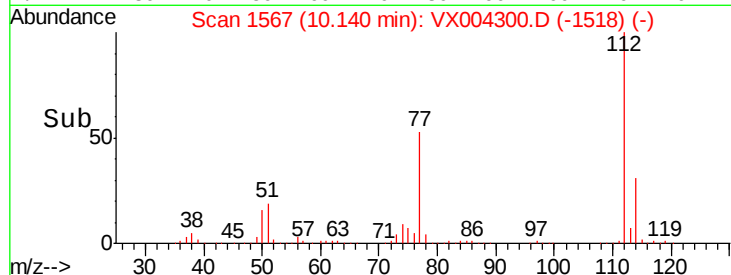
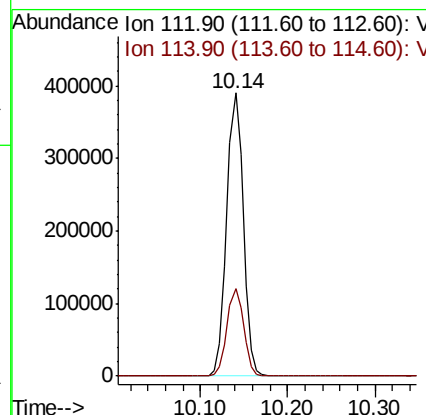
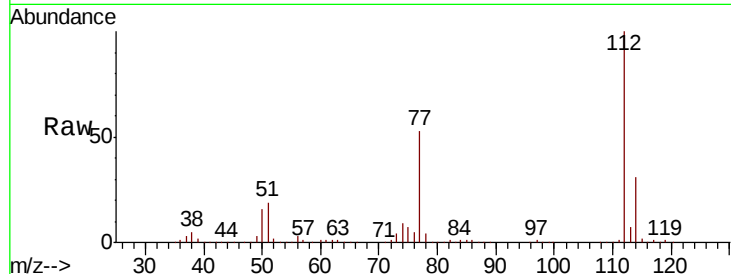




#65
Chlorobenzene
Concen: 50.85 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX004300.D
Acq: 29 Aug 2018 18:31

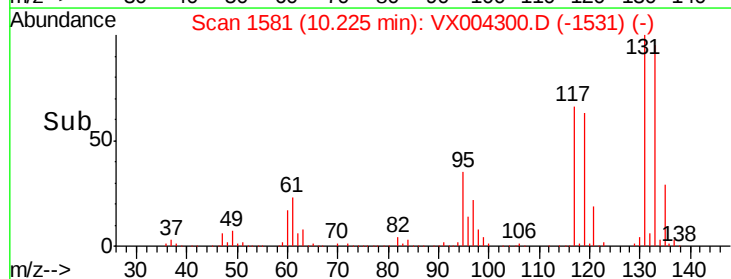
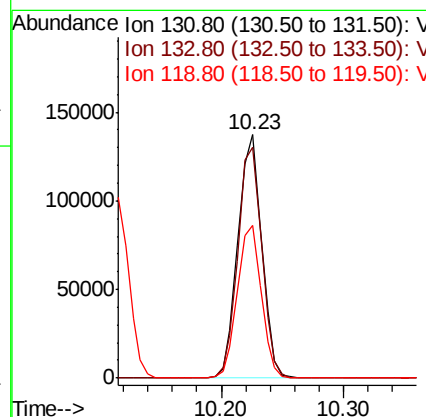
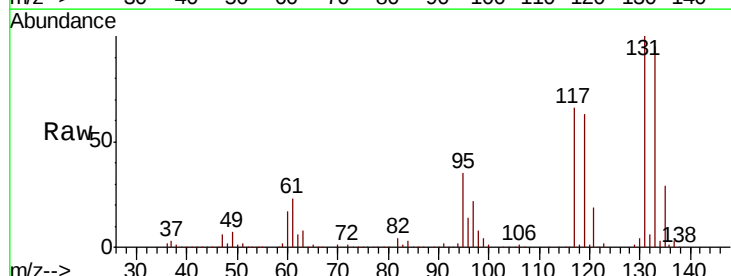
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

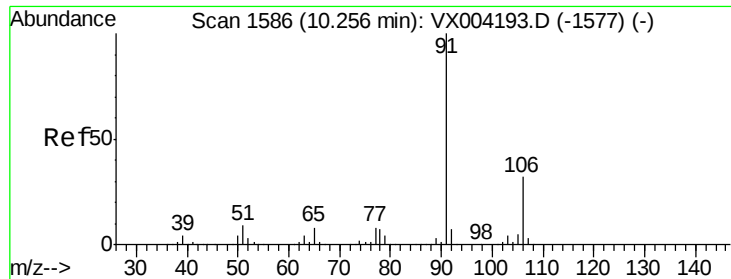
Tot Ion:112 Resp: 511441
Ion Ratio Lower Upper
112 100
114 31.1 27.8 41.8



#66
1,1,1,2-Tetrachloroethane
Concen: 52.82 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. 0.01 min
Lab File: VX004300.D
Acq: 29 Aug 2018 18:31

Tgt Ion:131 Resp: 183241
Ion Ratio Lower Upper
131 100
133 95.9 48.1 144.4
119 63.6 32.9 98.6





#67

Ethyl Benzene

Concen: 51.06 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VX004300.D

Acq: 29 Aug 2018 18:31

Instrument :

MSVOA_X

ClientSampleId :

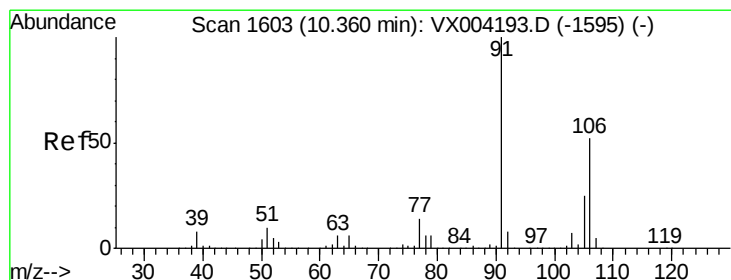
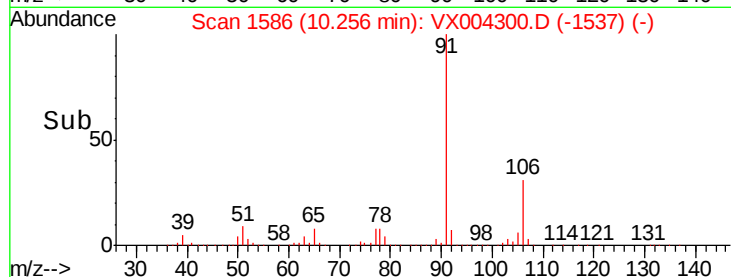
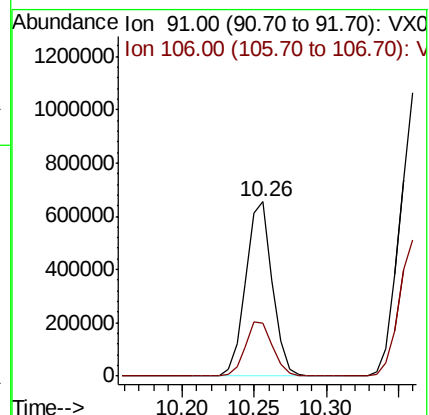
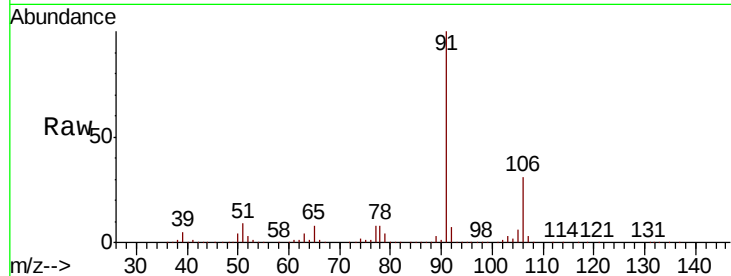
VSTDCCC050EC

Tot Ion: 91 Resp: 834046

Ion Ratio Lower Upper

91 100

106 30.8 25.9 38.9



#68

m/p-Xylenes

Concen: 105.93 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. -0.00 min

Lab File: VX004300.D

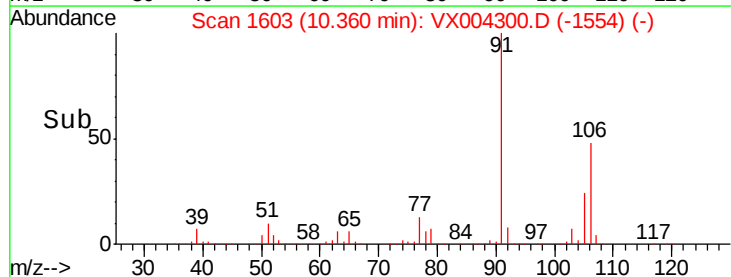
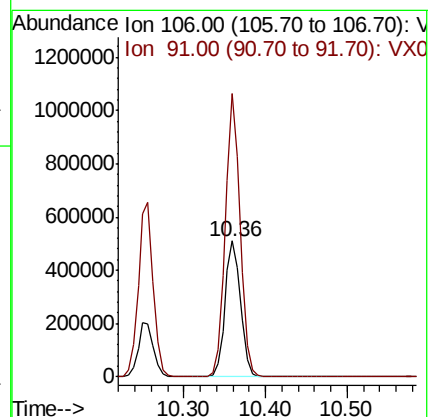
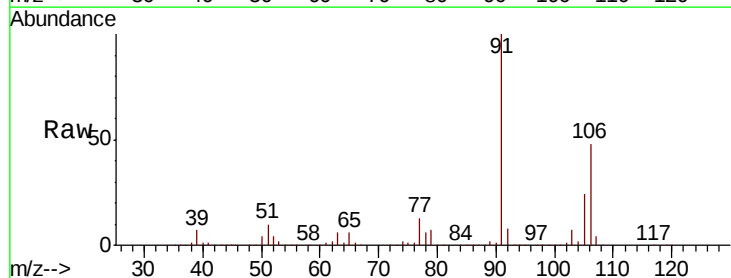
Acq: 29 Aug 2018 18:31

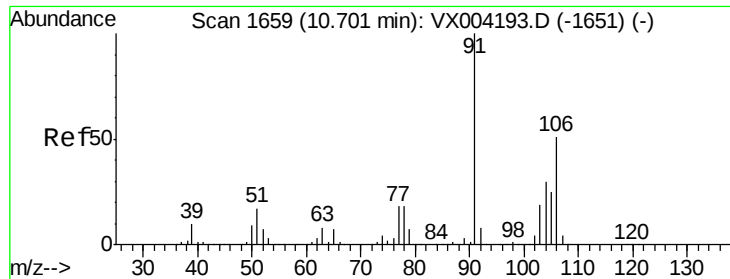
Tgt Ion: 106 Resp: 676642

Ion Ratio Lower Upper

106 100

91 199.2 157.1 235.7

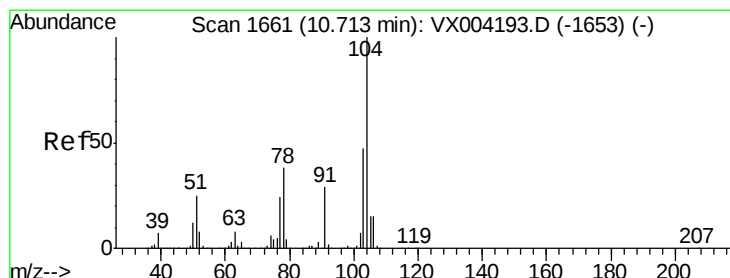
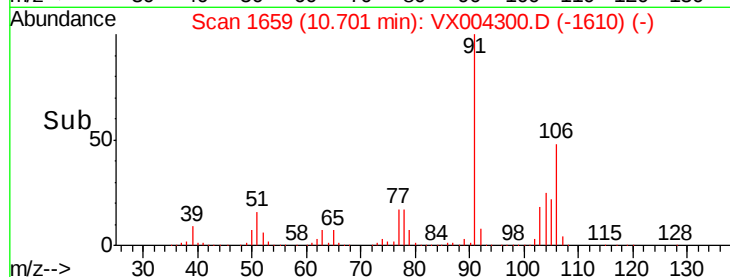
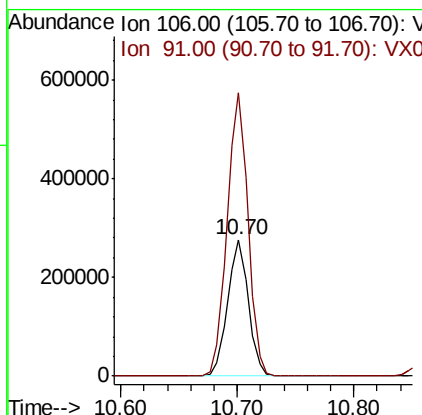
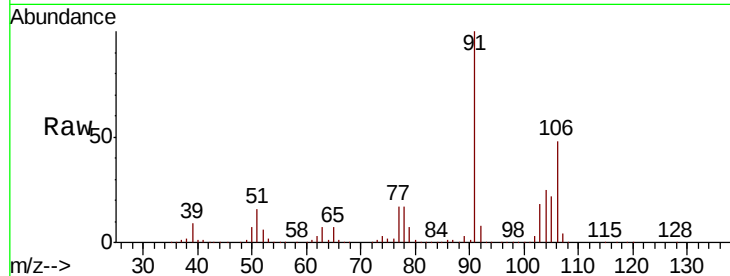




#69
o-Xylene
Concen: 56.43 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX004300.D
Acq: 29 Aug 2018 18:31

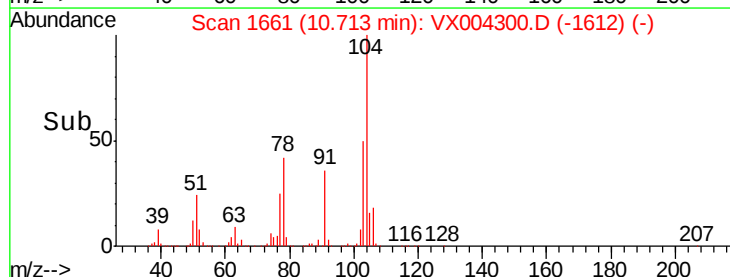
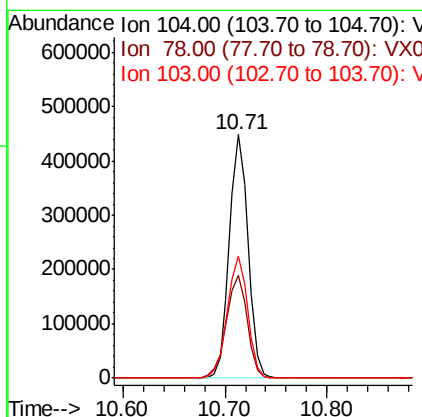
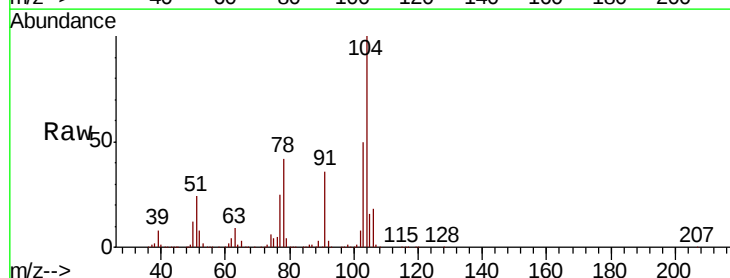
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

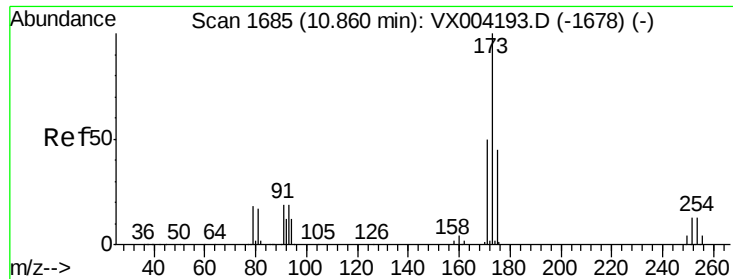
Tot Ion:106 Resp: 340942
Ion Ratio Lower Upper
106 100
91 210.0 105.1 315.1



#70
Styrene
Concen: 58.13 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX004300.D
Acq: 29 Aug 2018 18:31

Tgt Ion:104 Resp: 568732
Ion Ratio Lower Upper
104 100
78 47.0 37.4 56.0
103 54.5 43.8 65.6





#71

Bromoform

Concen: 55.16 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VX004300.D

Acq: 29 Aug 2018 18:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

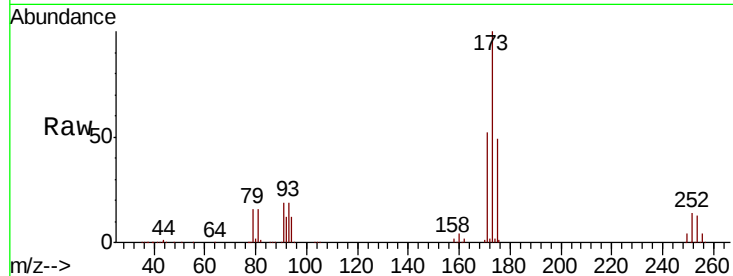
Tot Ion:173 Resp: 154268

Ion Ratio Lower Upper

173 100

175 49.0 24.1 72.3

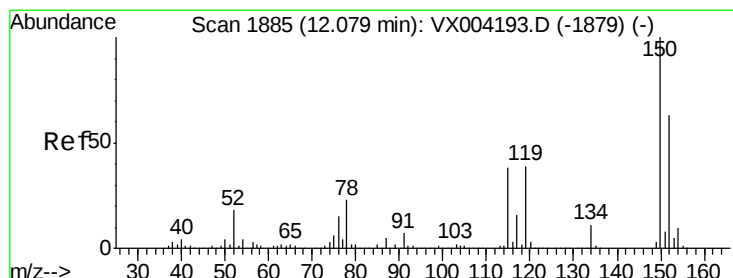
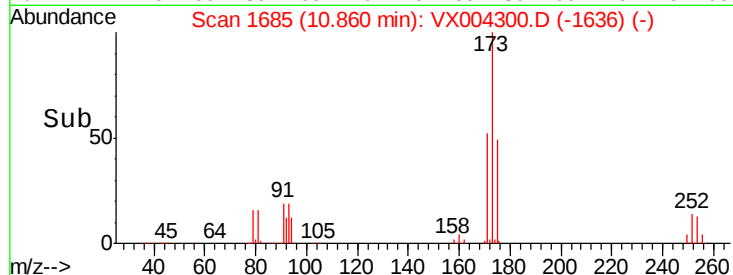
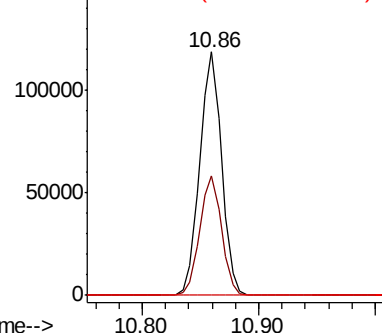
254 0.2 0.2 0.2



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VX004300.D

Acq: 29 Aug 2018 18:31

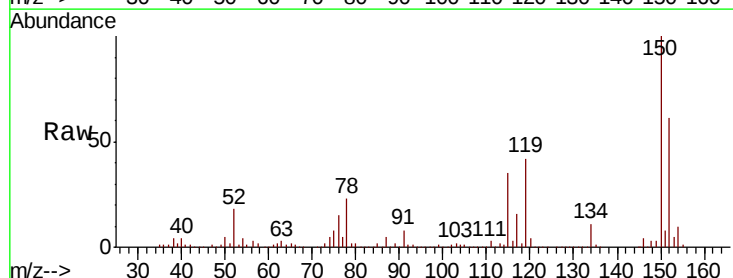
Tgt Ion:152 Resp: 252766

Ion Ratio Lower Upper

152 100

115 75.5 39.0 117.0

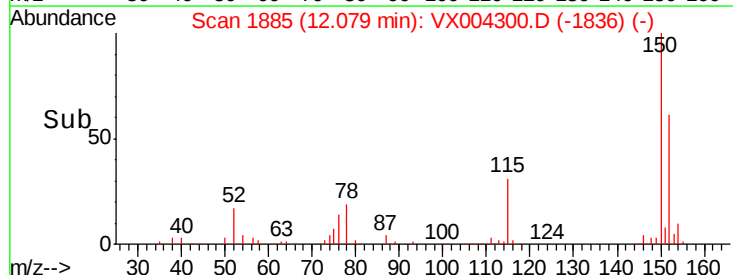
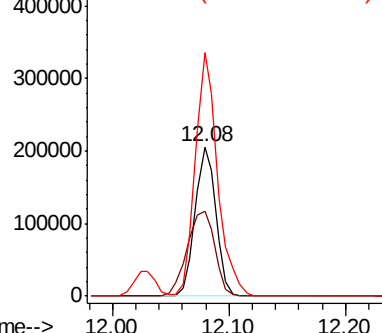
150 175.4 0.0 351.0



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 54.86 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. -0.00 min

Lab File: VX004300.D

Acq: 29 Aug 2018 18:31

Instrument :

MSVOA_X

ClientSampleId :

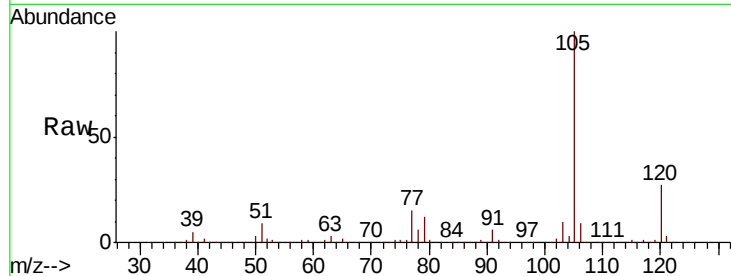
VSTDCCC050EC

Tot Ion:105 Resp: 910709

Ion Ratio Lower Upper

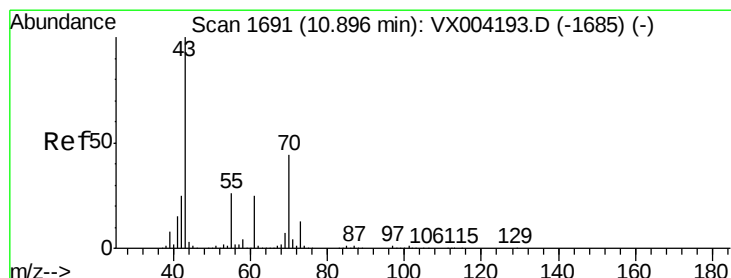
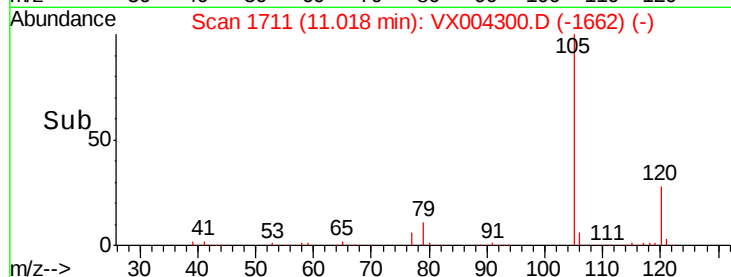
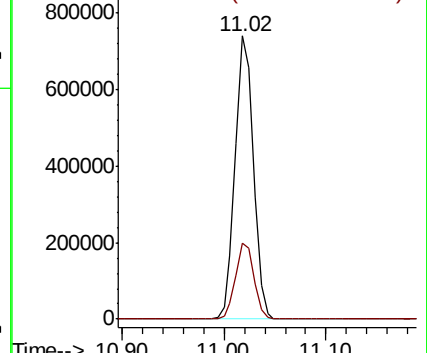
105 100

120 27.0 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 54.68 ug/l

RT: 10.90 min Scan# 1692

Delta R.T. 0.01 min

Lab File: VX004300.D

Acq: 29 Aug 2018 18:31

Tgt Ion: 43 Resp: 349508

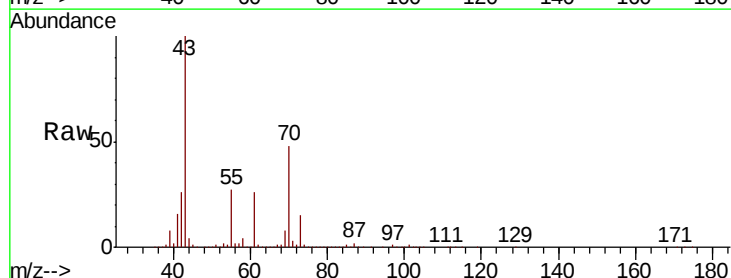
Ion Ratio Lower Upper

43 100

70 47.4 37.4 56.0

55 27.6 21.8 32.8

61 26.0 20.6 30.8

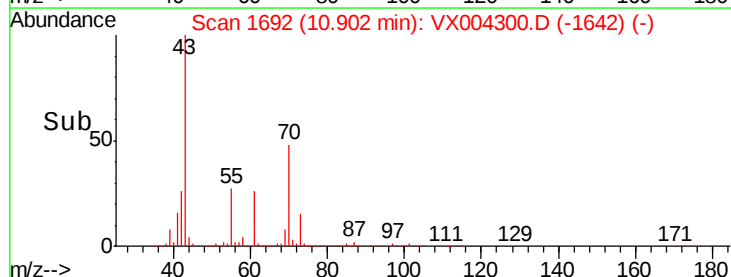
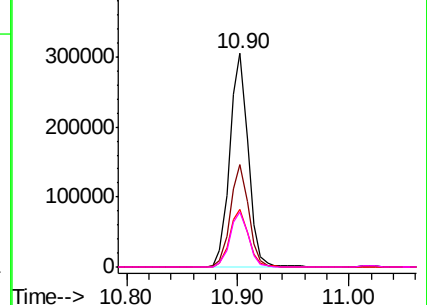


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 51.97 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. -0.00 min

Lab File: VX004300.D

Acq: 29 Aug 2018 18:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

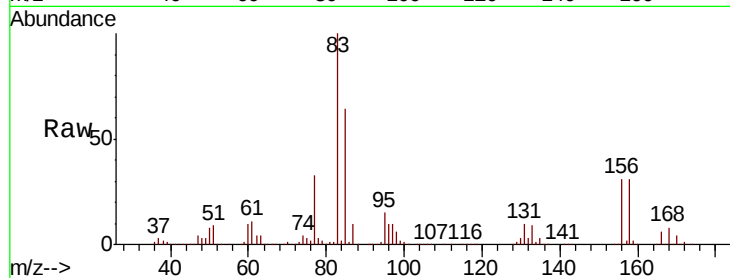
Tot Ion: 83 Resp: 301906

Ion Ratio Lower Upper

83 100

131 10.6 5.2 15.6

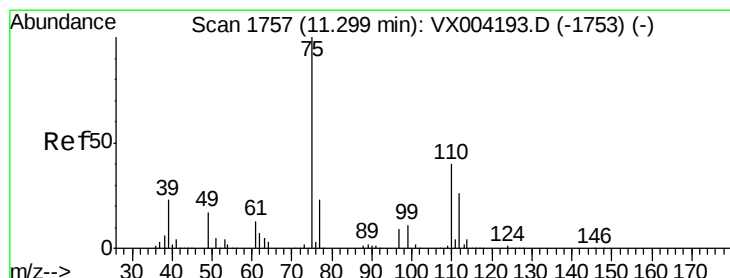
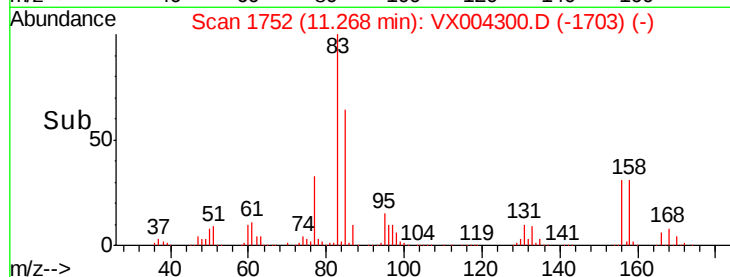
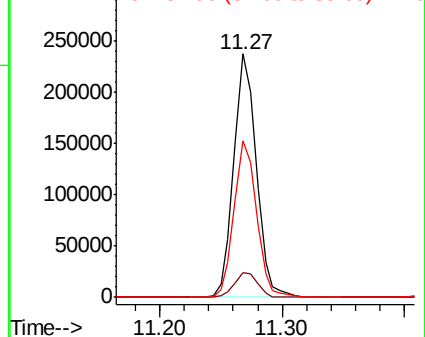
85 64.4 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 64.87 ug/l

RT: 11.30 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VX004300.D

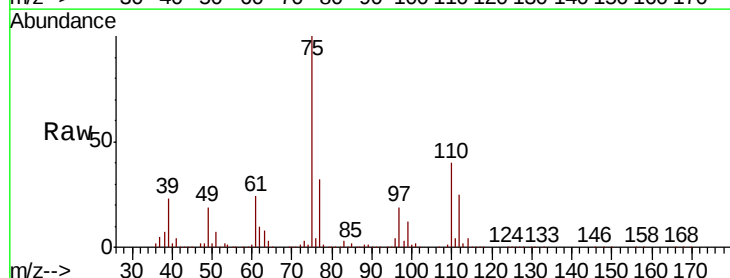
Acq: 29 Aug 2018 18:31

Tgt Ion: 75 Resp: 333484

Ion Ratio Lower Upper

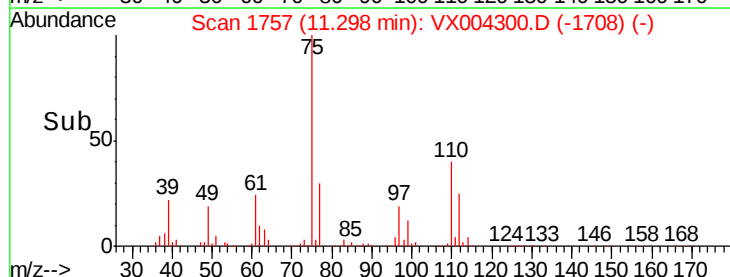
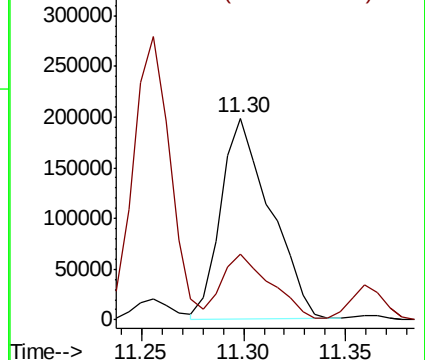
75 100

77 32.6 20.2 60.6



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 52.05 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VX004300.D

Acq: 29 Aug 2018 18:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

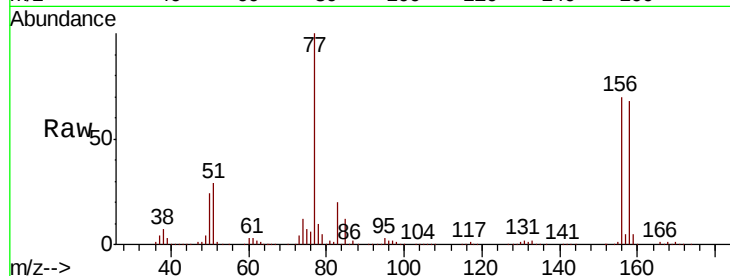
Tot Ion:156 Resp: 242373

Ion Ratio Lower Upper

156 100

77 145.1 71.5 214.3

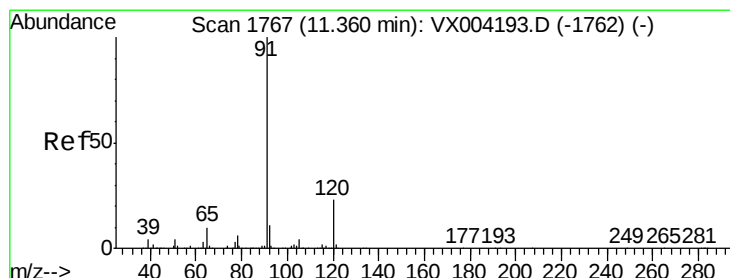
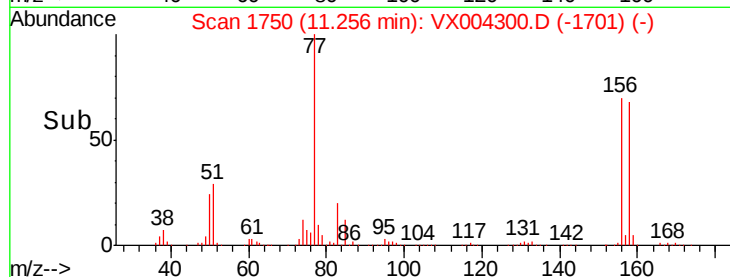
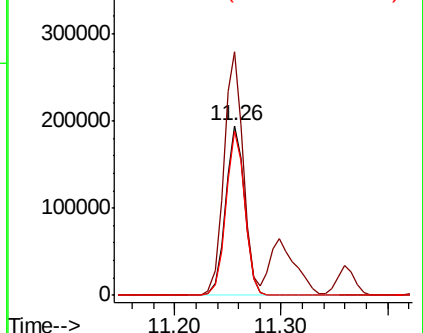
158 96.6 48.9 146.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 54.51 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. -0.00 min

Lab File: VX004300.D

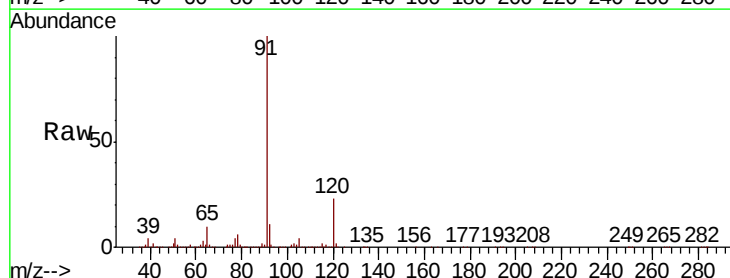
Acq: 29 Aug 2018 18:31

Tgt Ion: 91 Resp: 1040856

Ion Ratio Lower Upper

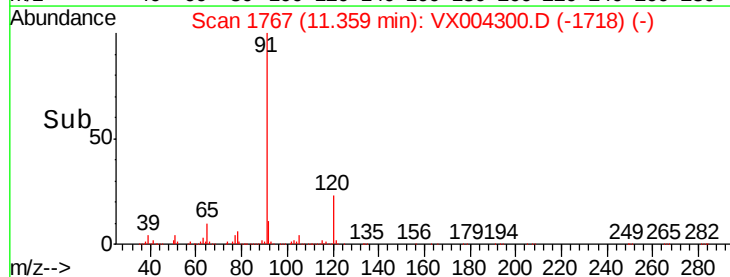
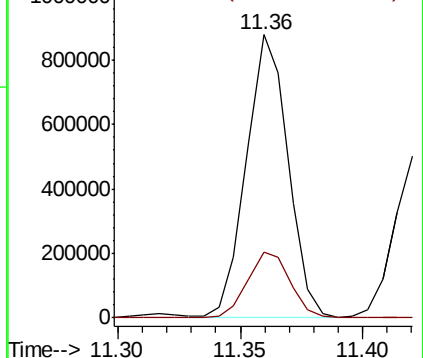
91 100

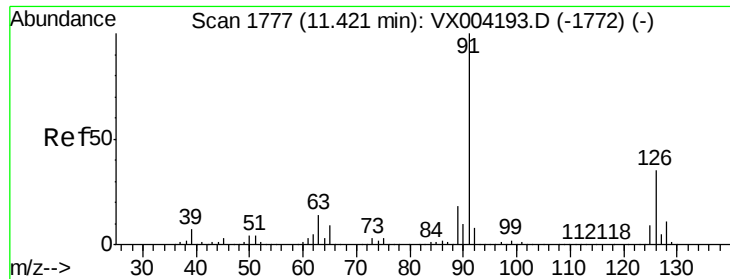
120 23.9 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

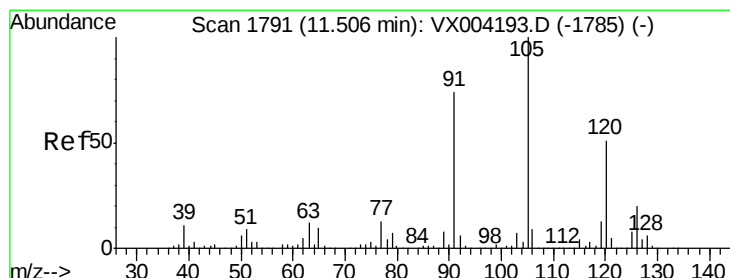
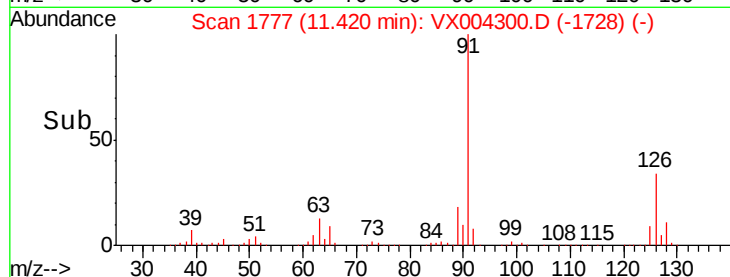
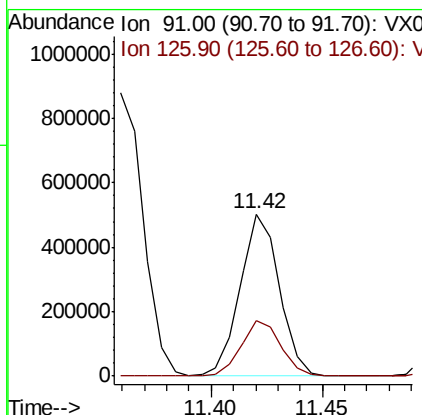
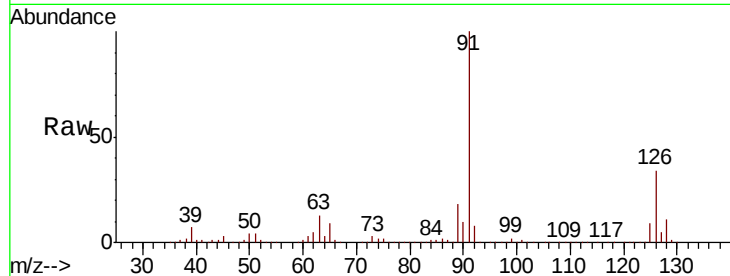




#79
 2-Chlorotoluene
 Concen: 52.49 ug/l
 RT: 11.42 min Scan# 1777
 Delta R.T. -0.00 min
 Lab File: VX004300.D
 Acq: 29 Aug 2018 18:31

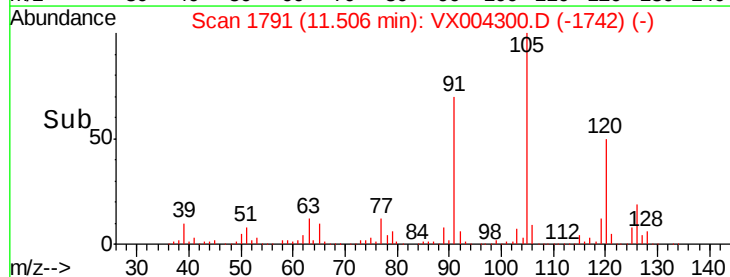
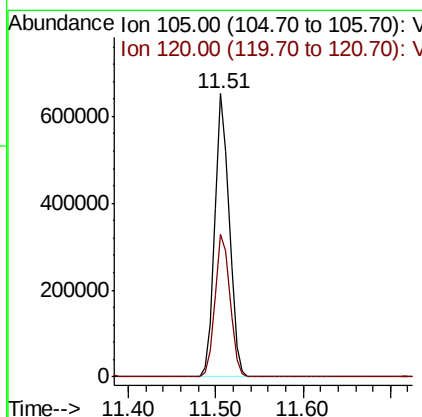
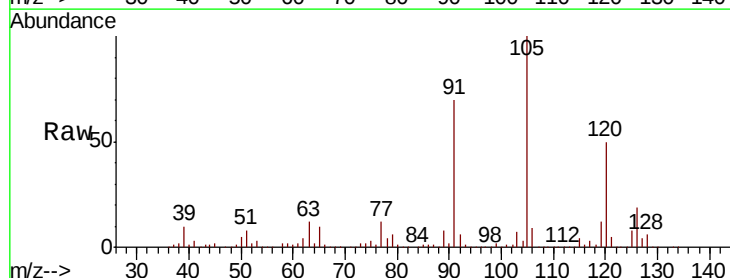
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 91 Resp: 616919
 Ion Ratio Lower Upper
 91 100
 126 34.9 17.9 53.7



#80
 1,3,5-Trimethylbenzene
 Concen: 54.40 ug/l
 RT: 11.51 min Scan# 1791
 Delta R.T. -0.00 min
 Lab File: VX004300.D
 Acq: 29 Aug 2018 18:31

Tgt Ion: 105 Resp: 747888
 Ion Ratio Lower Upper
 105 100
 120 51.9 25.6 76.8





#81

trans-1,4-Dichloro-2-butene

Concen: 50.84 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. 0.01 min

Lab File: VX004300.D

Acq: 29 Aug 2018 18:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

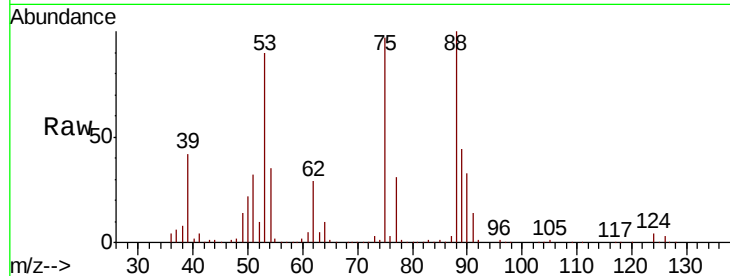
Tot Ion: 75 Resp: 80546

Ion Ratio Lower Upper

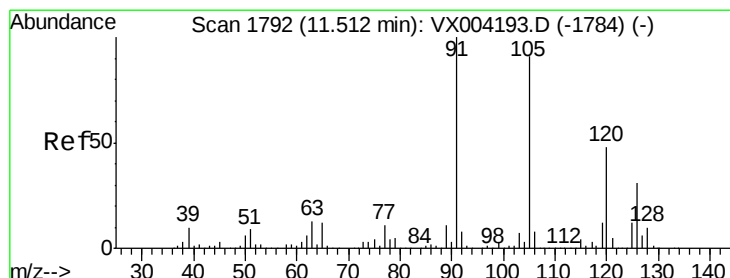
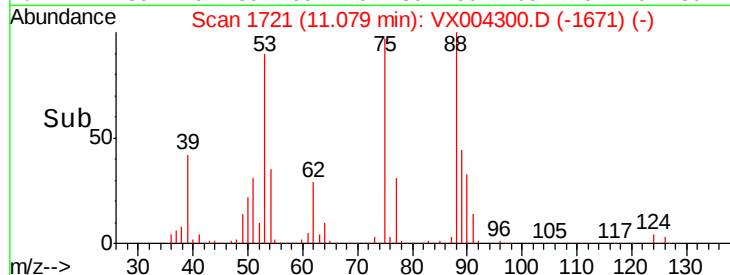
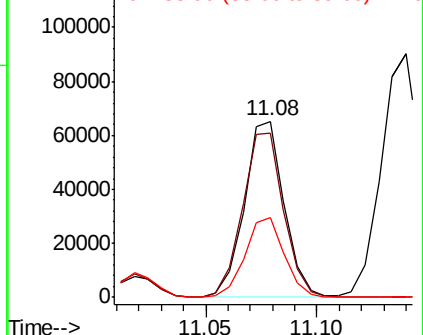
75 100

53 96.9 80.1 120.1

89 45.3 37.2 55.8



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 52.13 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX004300.D

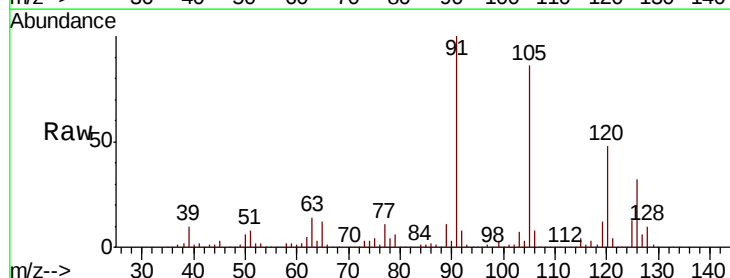
Acq: 29 Aug 2018 18:31

Tgt Ion: 91 Resp: 720879

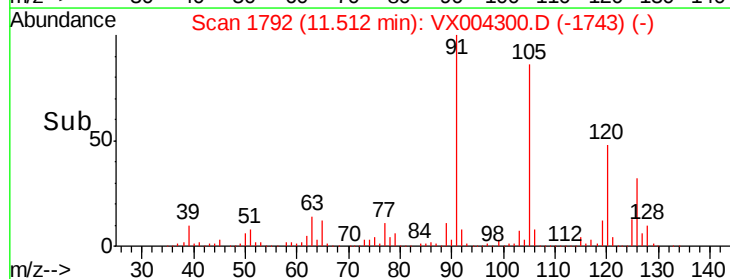
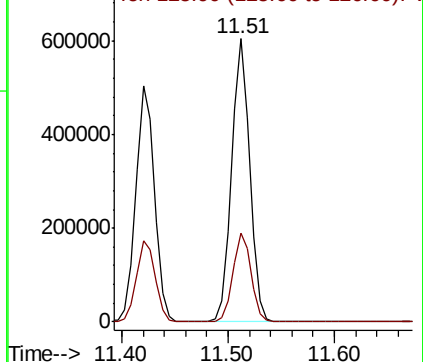
Ion Ratio Lower Upper

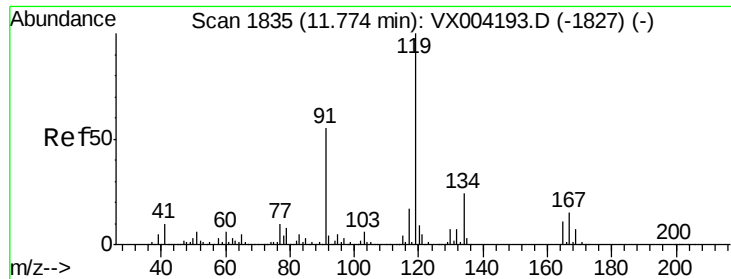
91 100

126 31.4 15.5 46.5



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

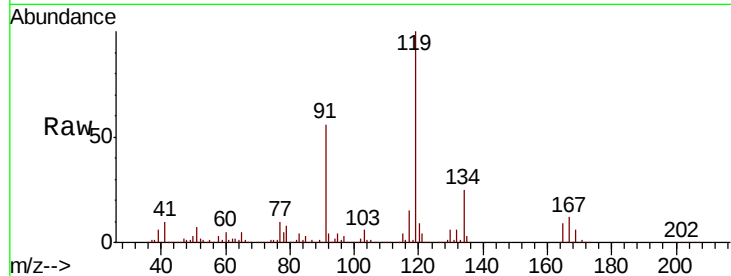




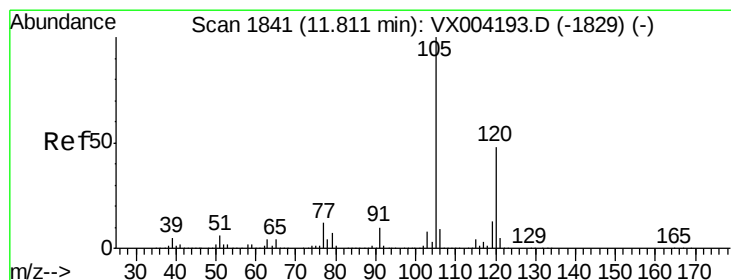
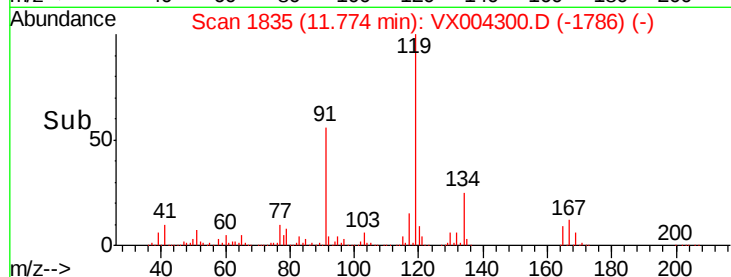
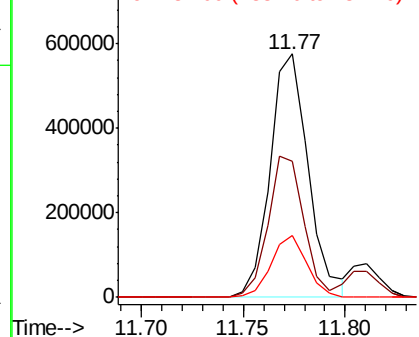
#83
tert-Butylbenzene
Concen: 54.24 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX004300.D
Acq: 29 Aug 2018 18:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	54.5	27.0	81.0
134	23.6	11.7	35.1

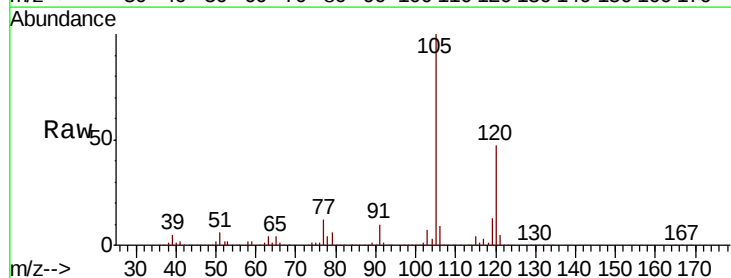


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VX0
Ion 134.00 (133.70 to 134.70): V

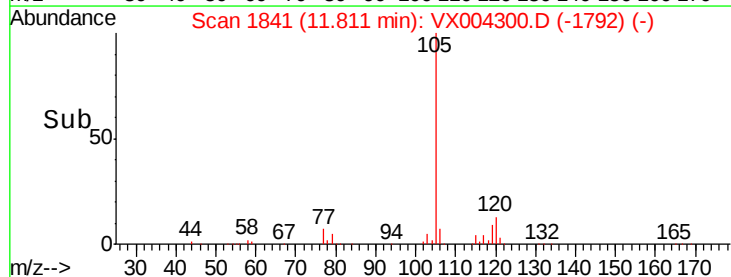
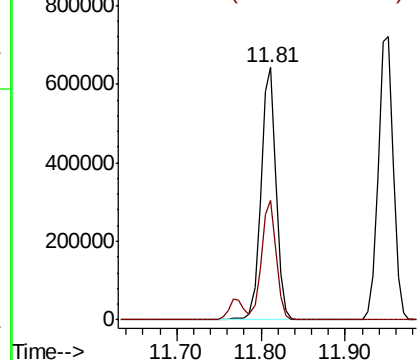


#84
1,2,4-Trimethylbenzene
Concen: 55.65 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. -0.00 min
Lab File: VX004300.D
Acq: 29 Aug 2018 18:31

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.3	23.2	69.6



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





#85

sec-Butylbenzene

Concen: 54.62 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.01 min

Lab File: VX004300.D

Acq: 29 Aug 2018 18:31

Instrument :

MSVOA_X

ClientSampleId :

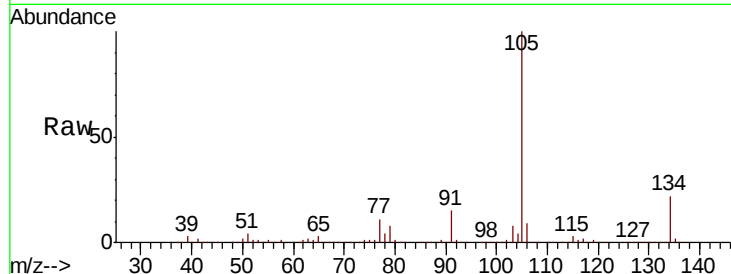
VSTDCCC050EC

Tot Ion:105 Resp: 896917

Ion Ratio Lower Upper

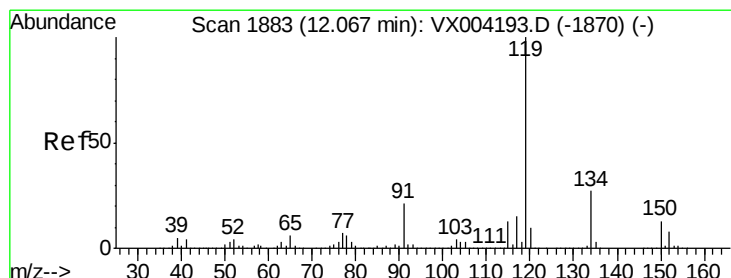
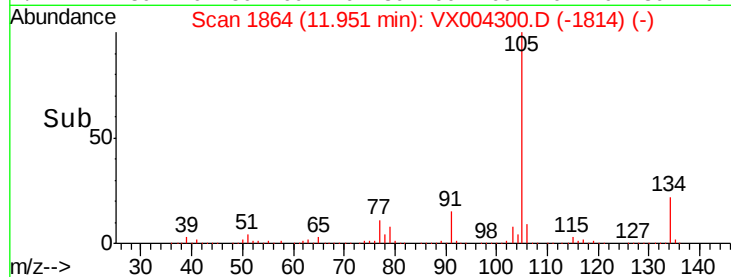
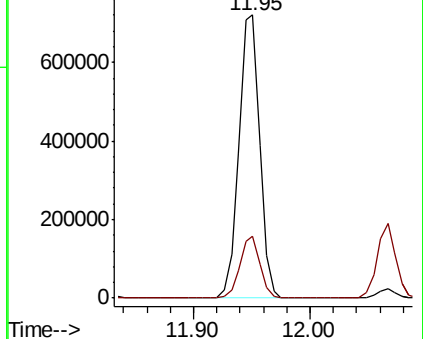
105 100

134 21.0 10.5 31.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 52.67 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX004300.D

Acq: 29 Aug 2018 18:31

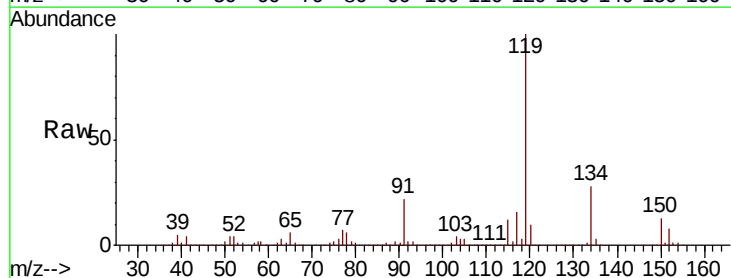
Tgt Ion:119 Resp: 775203

Ion Ratio Lower Upper

119 100

134 27.5 13.4 40.2

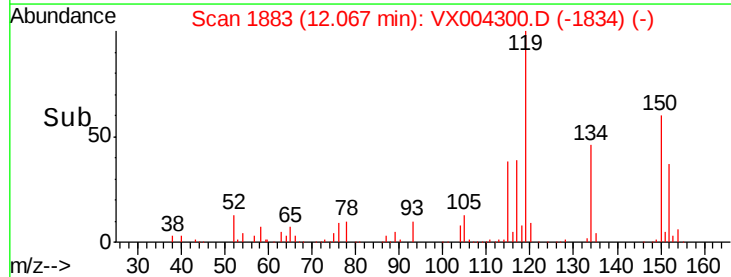
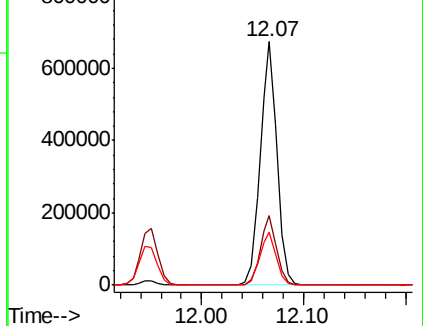
91 21.6 10.9 32.7

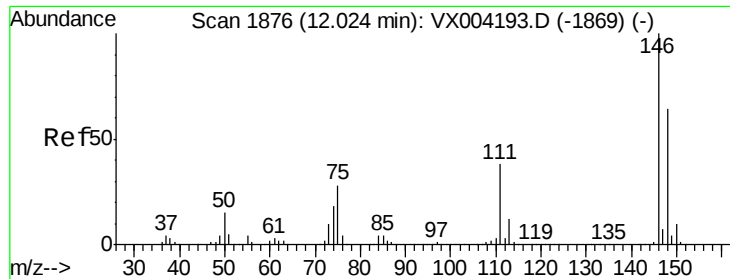


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

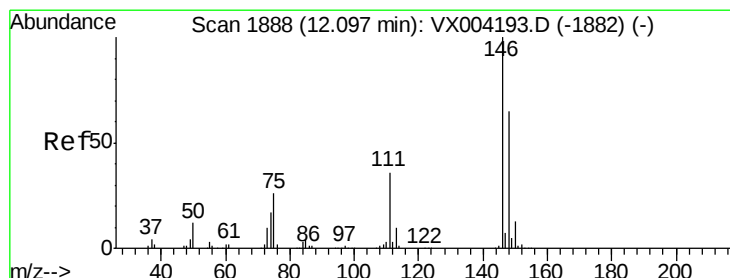
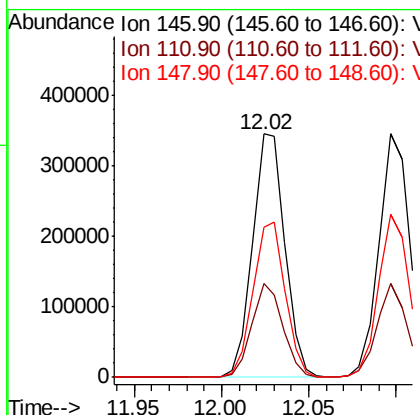
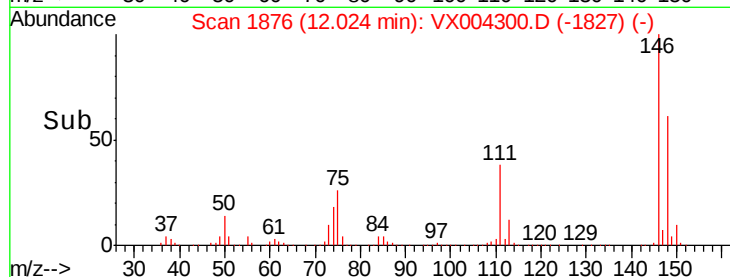
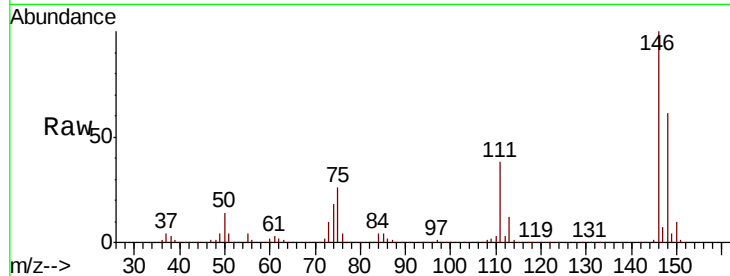




#87
 1,3-Dichlorobenzene
 Concen: 50.65 ug/l
 RT: 12.02 min Scan# 1876
 Delta R.T. -0.00 min
 Lab File: VX004300.D
 Acq: 29 Aug 2018 18:31

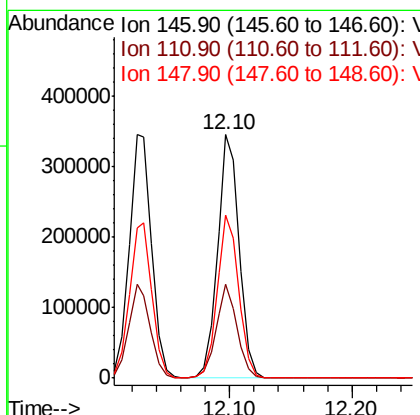
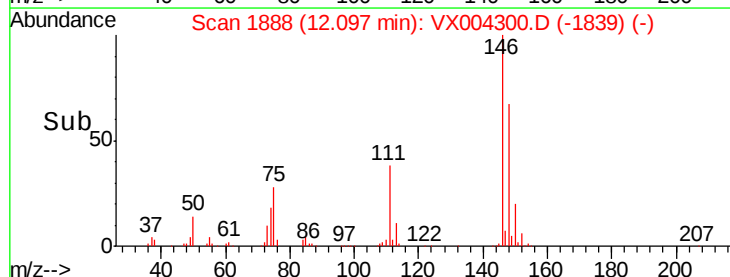
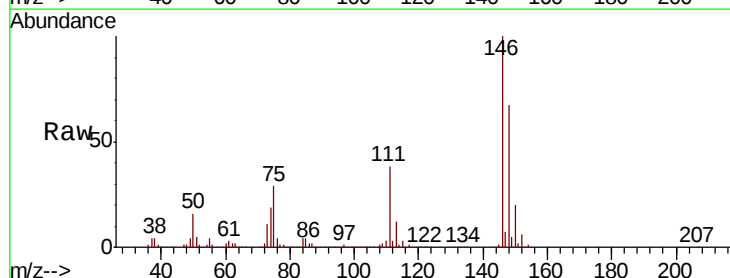
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

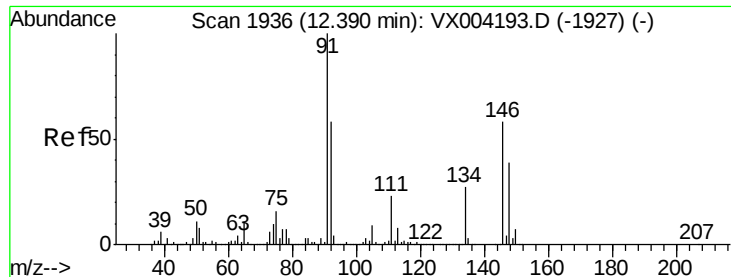
Tot Ion:146 Resp: 444070
 Ion Ratio Lower Upper
 146 100
 111 36.9 18.7 56.1
 148 63.5 32.1 96.5



#88
 1,4-Dichlorobenzene
 Concen: 45.74 ug/l
 RT: 12.10 min Scan# 1888
 Delta R.T. -0.00 min
 Lab File: VX004300.D
 Acq: 29 Aug 2018 18:31

Tgt Ion:146 Resp: 422817
 Ion Ratio Lower Upper
 146 100
 111 37.3 18.1 54.1
 148 66.6 32.0 96.0





#89

n-Butylbenzene

Concen: 50.89 ug/l

RT: 12.39 min Scan# 1936

Delta R.T. -0.00 min

Lab File: VX004300.D

Acq: 29 Aug 2018 18:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

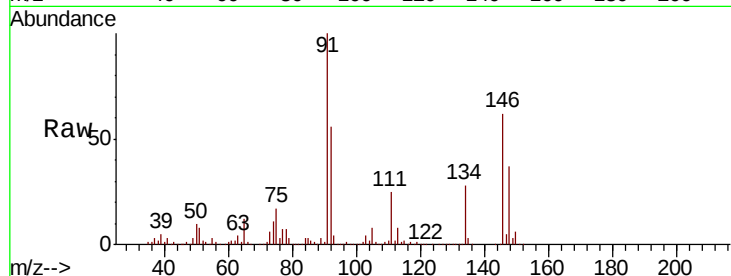
Tot Ion: 91 Resp: 609079

Ion Ratio Lower Upper

91 100

92 54.2 27.3 81.9

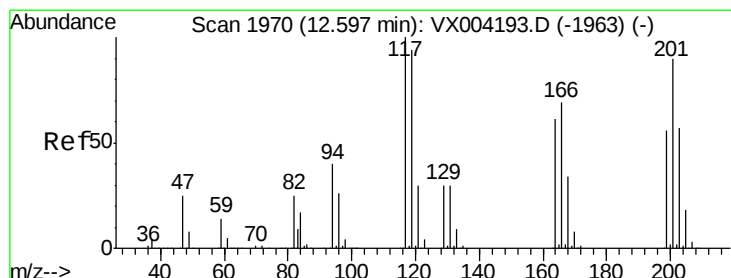
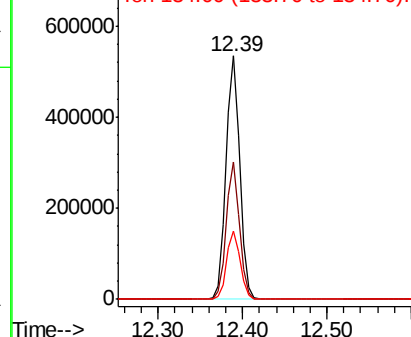
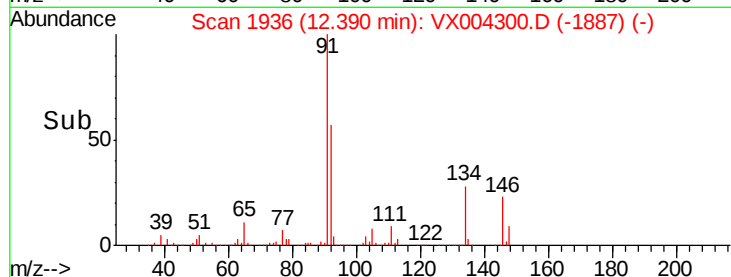
134 27.7 13.6 40.7



Abundance Ion 91.00 (90.70 to 91.70): VX004300.D (-1887) (-)

Ion 92.00 (91.70 to 92.70): VX004300.D (-1887) (-)

Ion 134.00 (133.70 to 134.70): VX004300.D (-1887) (-)



#90

Hexachloroethane

Concen: 54.72 ug/l

RT: 12.60 min Scan# 1970

Delta R.T. -0.00 min

Lab File: VX004300.D

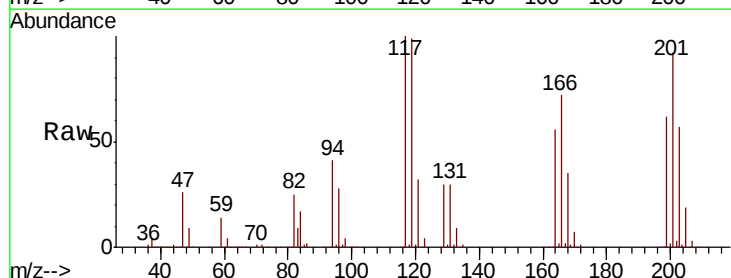
Acq: 29 Aug 2018 18:31

Tgt Ion: 117 Resp: 112563

Ion Ratio Lower Upper

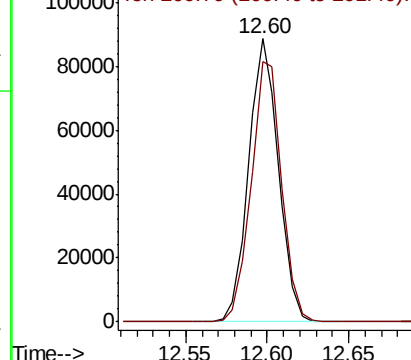
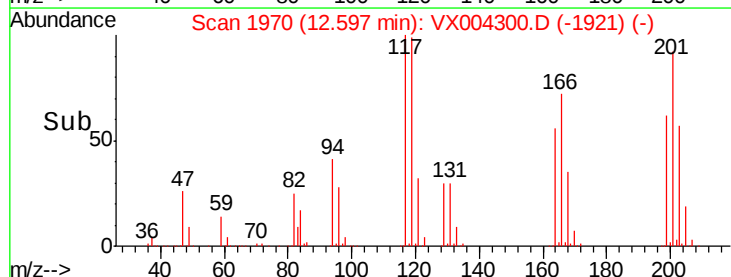
117 100

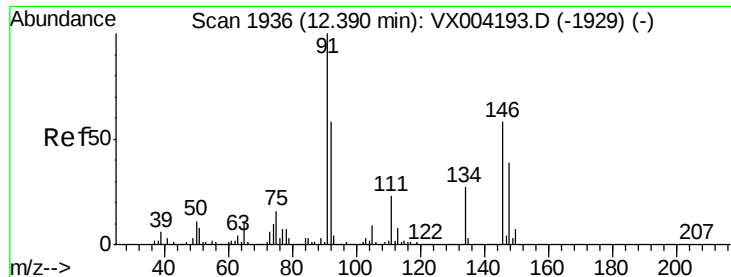
201 94.2 46.9 140.6



Abundance Ion 116.80 (116.50 to 117.50): VX004300.D (-1921) (-)

Ion 200.70 (200.40 to 201.40): VX004300.D (-1921) (-)





#91

1,2-Dichlorobenzene

Concen: 51.45 ug/l

RT: 12.39 min Scan# 1936

Delta R.T. -0.00 min

Lab File: VX004300.D

Acq: 29 Aug 2018 18:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

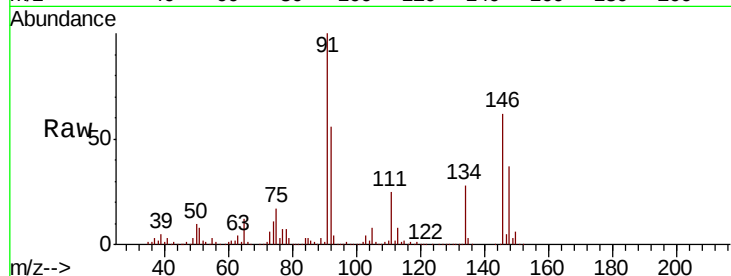
Tot Ion:146 Resp: 412260

Ion Ratio Lower Upper

146 100

111 39.9 19.4 58.1

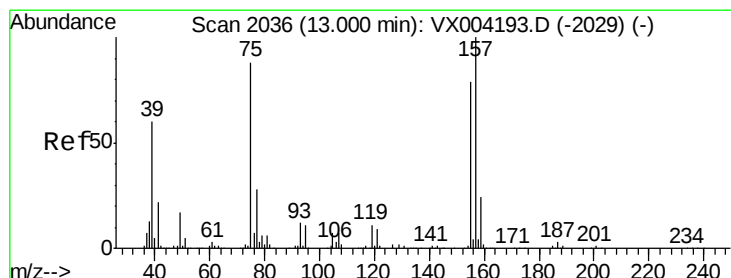
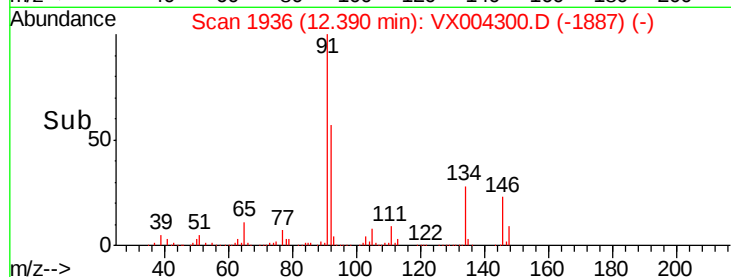
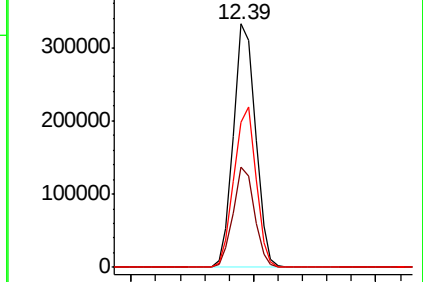
148 65.7 32.8 98.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 53.38 ug/l

RT: 13.00 min Scan# 2036

Delta R.T. -0.00 min

Lab File: VX004300.D

Acq: 29 Aug 2018 18:31

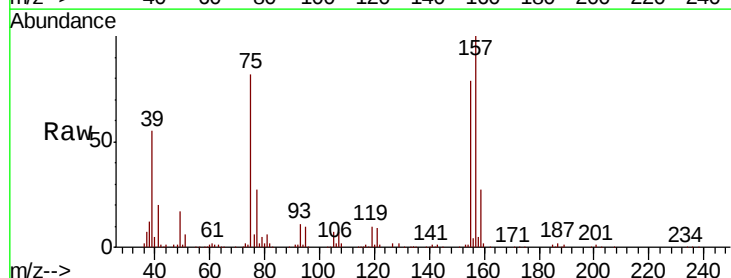
Tgt Ion: 75 Resp: 54627

Ion Ratio Lower Upper

75 100

155 99.3 48.0 144.2

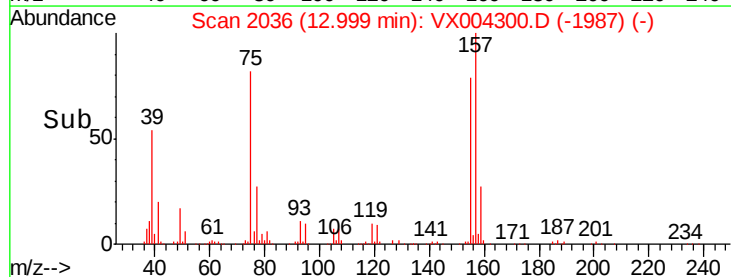
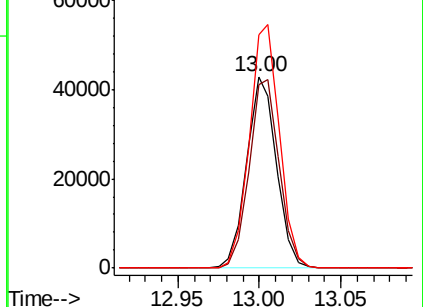
157 127.8 61.4 184.1

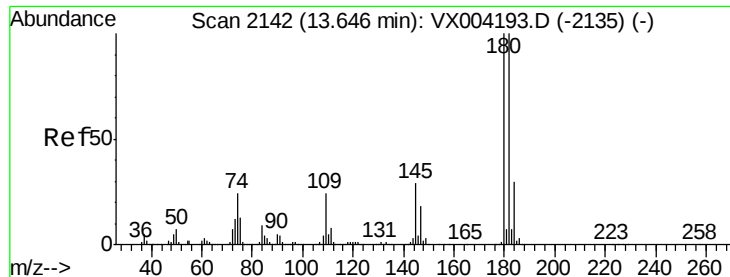


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

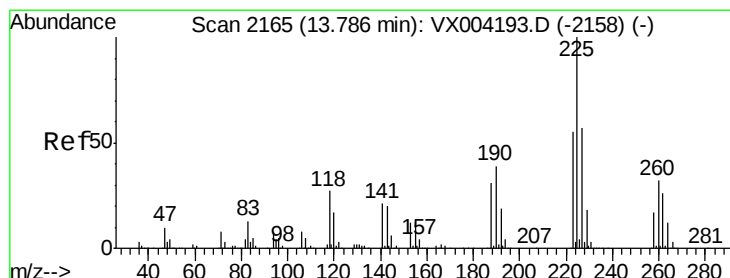
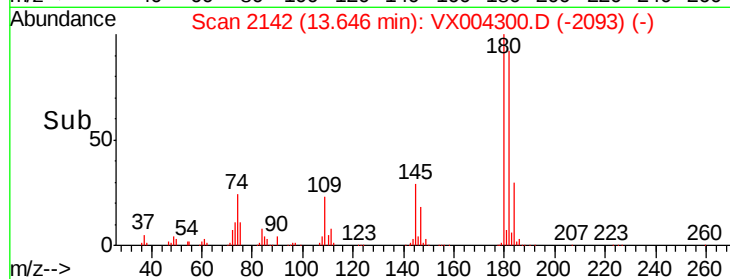
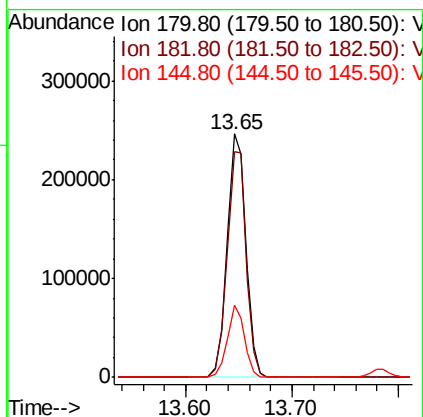
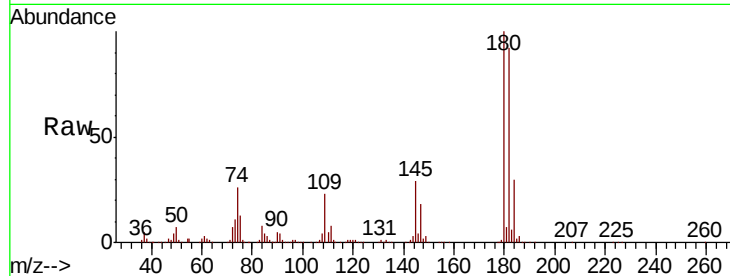




#93
 1,2,4-Trichlorobenzene
 Concen: 52.04 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. -0.00 min
 Lab File: VX004300.D
 Acq: 29 Aug 2018 18:31

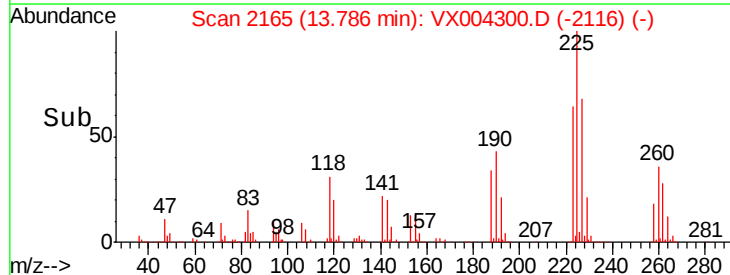
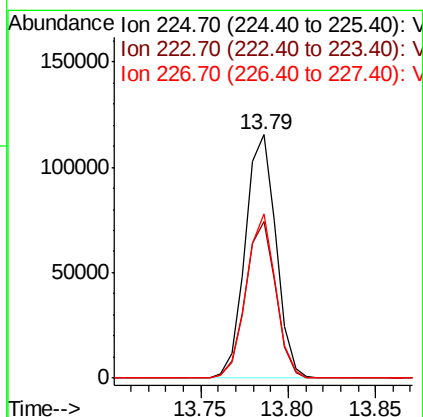
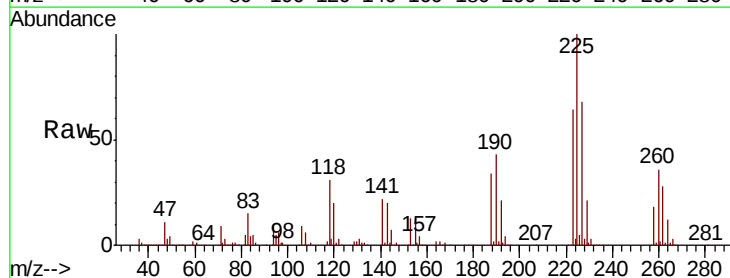
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

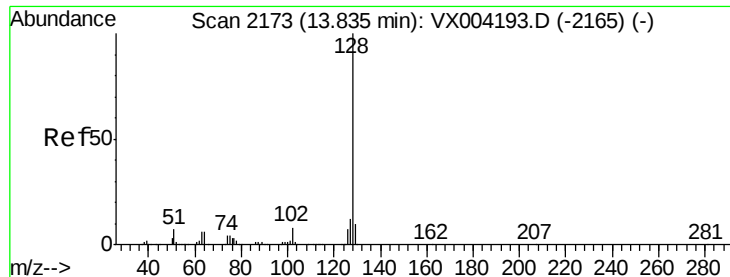
Tot Ion:180 Resp: 303433
 Ion Ratio Lower Upper
 180 100
 182 94.3 48.4 145.0
 145 27.2 14.3 42.9



#94
 Hexachlorobutadiene
 Concen: 51.94 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX004300.D
 Acq: 29 Aug 2018 18:31

Tgt Ion:225 Resp: 140872
 Ion Ratio Lower Upper
 225 100
 223 62.9 30.1 90.5
 227 64.5 30.8 92.4





#95

Naphthalene

Concen: 60.82 ug/l

RT: 13.83 min Scan# 2173

Delta R.T. -0.00 min

Lab File: VX004300.D

Acq: 29 Aug 2018 18:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

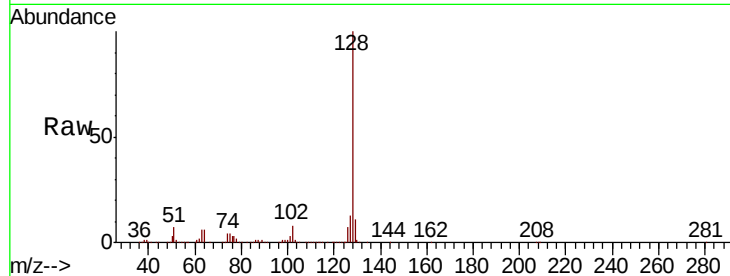
Tot Ion:128 Resp: 1003022

Ion Ratio Lower Upper

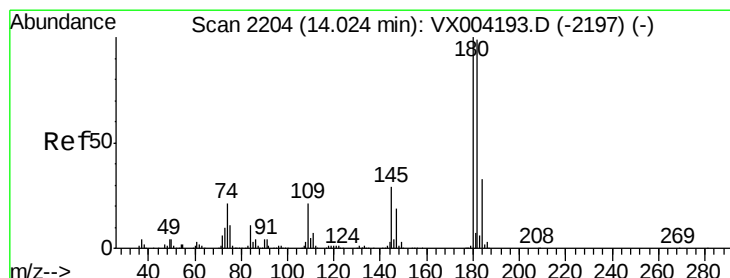
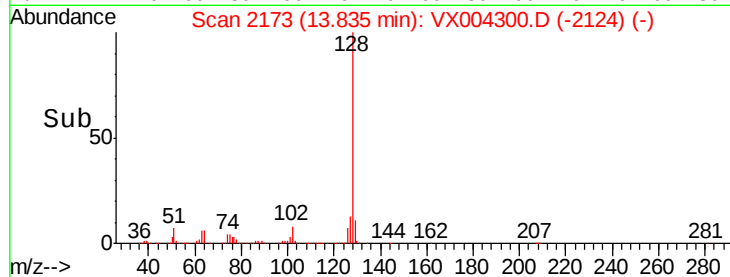
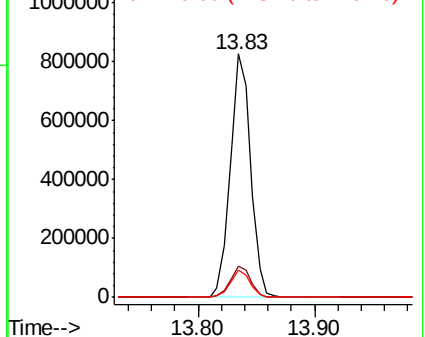
128 100

127 12.8 10.2 15.2

129 10.9 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 53.94 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VX004300.D

Acq: 29 Aug 2018 18:31

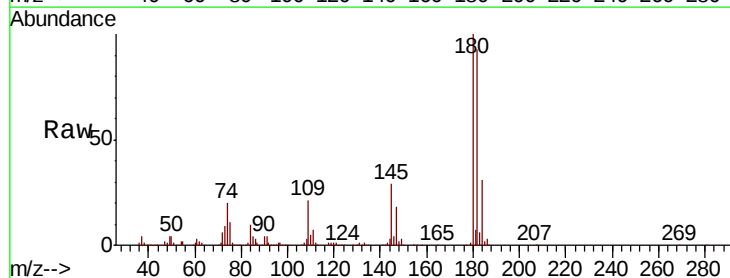
Tgt Ion:180 Resp: 332918

Ion Ratio Lower Upper

180 100

182 95.2 48.5 145.6

145 29.9 14.9 44.9



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

