

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121818\
 Data File : VX006608.D
 Acq On : 18 Dec 2018 19:51
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Dec 19 06:02:30 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:23:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	614021	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	963211	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	892017	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	463694	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	324768	49.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.16%	
35) Dibromofluoromethane	5.50	113	291031	47.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.56%	
50) Toluene-d8	8.71	98	1106598	48.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.38%	
62) 4-Bromofluorobenzene	11.14	95	419103	49.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.66%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	268604	47.818	ug/l	100
3) Chloromethane	1.33	50	288617	47.692	ug/l	98
4) Vinyl Chloride	1.41	62	311414	49.271	ug/l	99
5) Bromomethane	1.64	94	301447	51.152	ug/l	98
6) Chloroethane	1.72	64	197771	45.191	ug/l	100
7) Trichlorofluoromethane	1.93	101	484750	49.193	ug/l	98
8) Diethyl Ether	2.19	74	184721	47.196	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.39	101	287193	49.637	ug/l	99
10) Methyl Iodide	2.51	142	445865	53.834	ug/l	99
11) Tert butyl alcohol	3.07	59	377808	255.815	ug/l	100
12) 1,1-Dichloroethene	2.37	96	264810	48.269	ug/l	97
13) Acrolein	2.30	56	225201	226.034	ug/l	97
14) Allyl chloride	2.73	41	460748	49.895	ug/l	99
15) Acrylonitrile	3.15	53	837059	255.268	ug/l	99
16) Acetone	2.45	43	712813	234.450	ug/l	96
17) Carbon Disulfide	2.57	76	666189	45.886	ug/l	99
18) Methyl Acetate	2.78	43	450379	50.377	ug/l	96
19) Methyl tert-butyl Ether	3.20	73	916205	50.318	ug/l	99
20) Methylene Chloride	2.86	84	302800	48.163	ug/l	92
21) trans-1,2-Dichloroethene	3.17	96	285401	46.952	ug/l	94
22) Diisopropyl ether	3.87	45	846346	50.098	ug/l	99
23) Vinyl Acetate	3.82	43	3444314	249.252	ug/l	100
24) 1,1-Dichloroethane	3.70	63	482702	47.864	ug/l	98
25) 2-Butanone	4.70	43	1048421	245.151	ug/l	98
26) 2,2-Dichloropropane	4.59	77	355187	45.595	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	326067	48.619	ug/l	98
28) Bromochloromethane	5.02	49	228496	53.893	ug/l	98
29) Tetrahydrofuran	5.15	42	705487	250.463	ug/l	98
30) Chloroform	5.21	83	514740	49.289	ug/l	97
31) Cyclohexane	5.57	56	448044	48.903	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	445370	50.506	ug/l	99
36) 1,1-Dichloropropene	5.80	75	383395	48.059	ug/l	99
37) Ethyl Acetate	4.85	43	396016	47.694	ug/l	99
38) Carbon Tetrachloride	5.79	117	373715	48.203	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	500430	47.648	ug/l	97
40) Benzene	6.14	78	1164599	48.026	ug/l	99
41) Methacrylonitrile	5.06	41	222302	47.643	ug/l	99
42) 1,2-Dichloroethane	6.20	62	388787	47.051	ug/l	99
43) Isopropyl Acetate	6.46	43	639452	50.615	ug/l	100
44) Trichloroethene	7.21	130	342499	46.665	ug/l	93
45) 1,2-Dichloropropane	7.52	63	284474	48.207	ug/l	97
46) Dibromomethane	7.66	93	208225	47.972	ug/l	94
47) Bromodichloromethane	7.90	83	355979	49.399	ug/l	99
48) Methyl methacrylate	7.77	41	327545	50.983	ug/l	98
49) 1,4-Dioxane	7.75	88	172669	1027.750	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	2076727	258.348	ug/l	99
52) Toluene	8.79	92	771101	49.221	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	391063	50.599	ug/l	98
54) cis-1,3-Dichloropropene	8.44	75	439398	51.814	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	317020	49.439	ug/l	99
56) Ethyl methacrylate	9.18	69	468313	51.673	ug/l	98
57) 1,3-Dichloropropane	9.37	76	499290	48.396	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.31	63	1198280	248.727	ug/l	100
59) 2-Hexanone	9.49	43	1563385	254.193	ug/l	98
60) Dibromochloromethane	9.59	129	310682	46.495	ug/l	100
61) 1,2-Dibromoethane	9.67	107	342462	50.240	ug/l	100
64) Tetrachloroethene	9.34	164	331923	46.992	ug/l	99
65) Chlorobenzene	10.14	112	900450	47.715	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	301082	51.136	ug/l	99
67) Ethyl Benzene	10.25	91	1482465	48.074	ug/l	98
68) m/p-Xylenes	10.36	106	1185620	97.436	ug/l	100
69) o-Xylene	10.70	106	586801	48.835	ug/l	100
70) Styrene	10.71	104	958985	50.447	ug/l	99
71) Bromoform	10.86	173	226470	43.299	ug/l #	100
73) Isopropylbenzene	11.02	105	1551197	48.899	ug/l	100
74) N-amyl acetate	10.90	43	582012	51.257	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.27	83	470727	49.896	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	530424	65.267	ug/l	86
77) Bromobenzene	11.26	156	419507	48.915	ug/l	98
78) n-propylbenzene	11.36	91	1722370	49.306	ug/l	100
79) 2-Chlorotoluene	11.42	91	1031689	48.735	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	1296542	49.622	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	121166	43.401	ug/l #	81
82) 4-Chlorotoluene	11.51	91	1179828	48.587	ug/l	100
83) tert-Butylbenzene	11.77	119	1309775	50.086	ug/l	97
84) 1,2,4-Trimethylbenzene	11.80	105	1331217	48.438	ug/l	99
85) sec-Butylbenzene	11.94	105	1581123	49.314	ug/l	100
86) p-Isopropyltoluene	12.06	119	1413152	50.141	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	749791	48.510	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	746805	47.076	ug/l	99
89) n-Butylbenzene	12.39	91	1211193	50.496	ug/l	99
90) Hexachloroethane	12.60	117	200448	45.744	ug/l	95
91) 1,2-Dichlorobenzene	12.39	146	739170	47.806	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	98807	50.616	ug/l	95

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Quant Title : SW846 8260
QLast Update : Tue Dec 18 13:23:17 2018
Response via : Initial Calibration

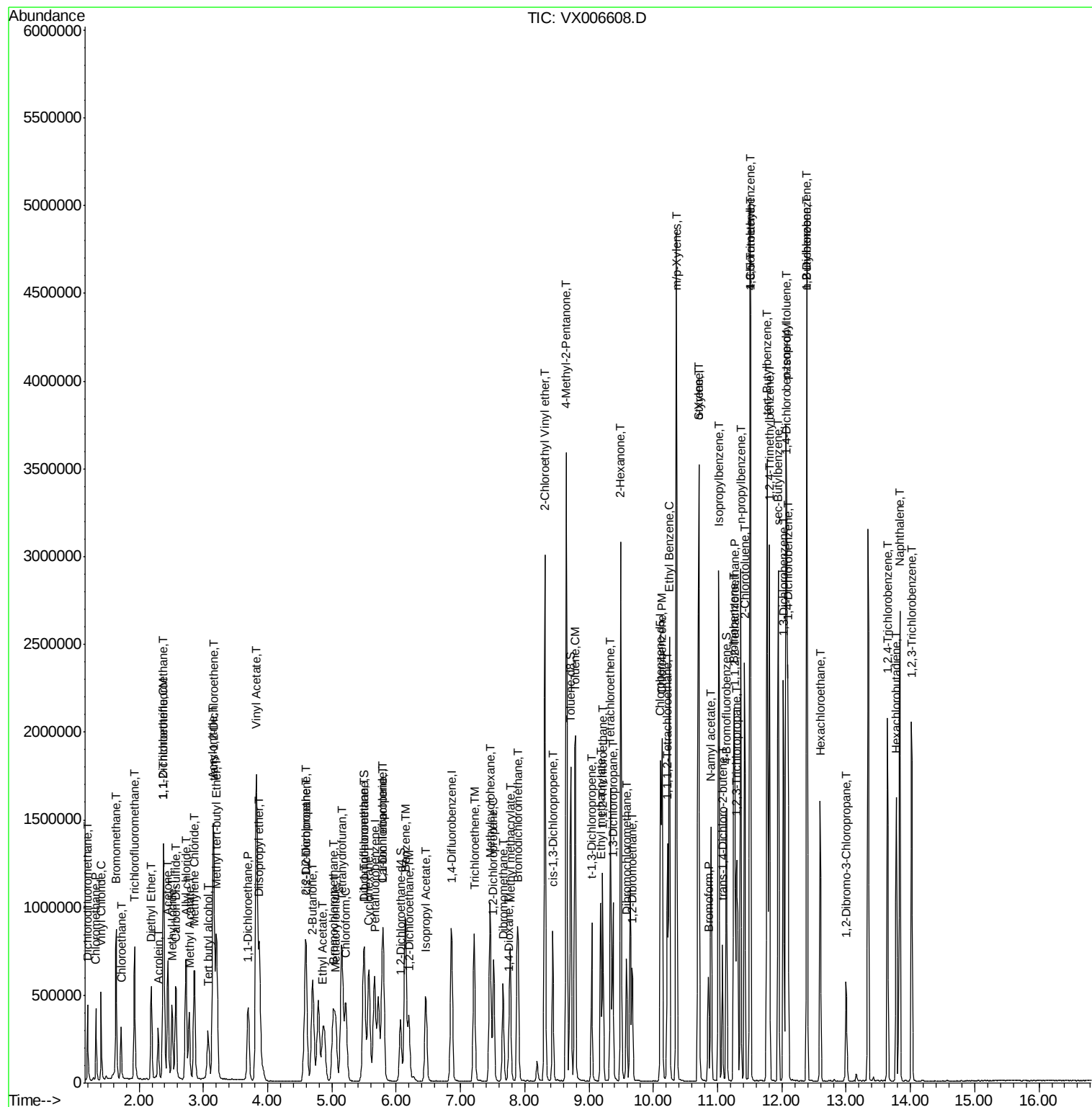
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	515944	48.375	ug/l	98
94) Hexachlorobutadiene	13.79	225	233875	46.523	ug/l	99
95) Naphthalene	13.83	128	1660390	48.777	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	526281	47.791	ug/l	98

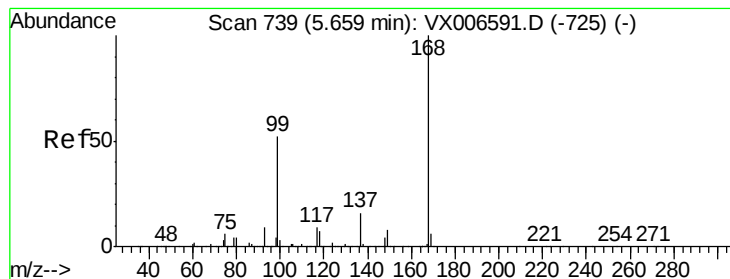
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Quant Title : SW846 8260
QLast Update : Tue Dec 18 13:23:17 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX006608.D

Acq: 18 Dec 2018 19:51

Instrument :

MSVOA_X

ClientSampleId :

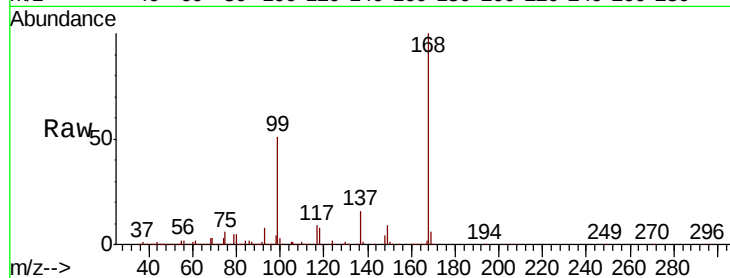
VSTDCCC050EC

Tot Ion:168 Resp: 614021

Ion Ratio Lower Upper

168 100

99 51.2 37.8 56.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

250000

200000

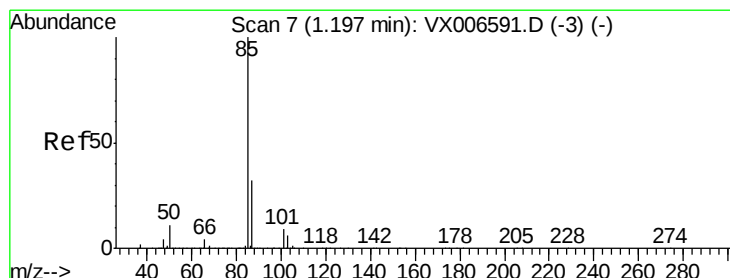
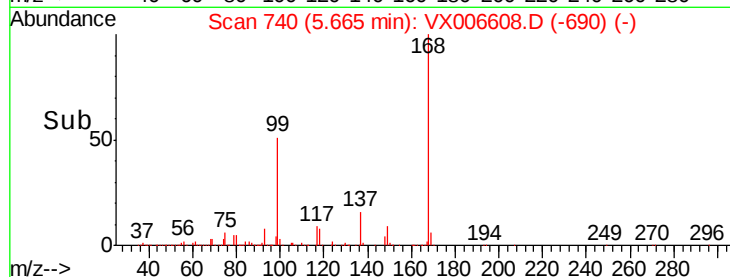
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 47.818 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX006608.D

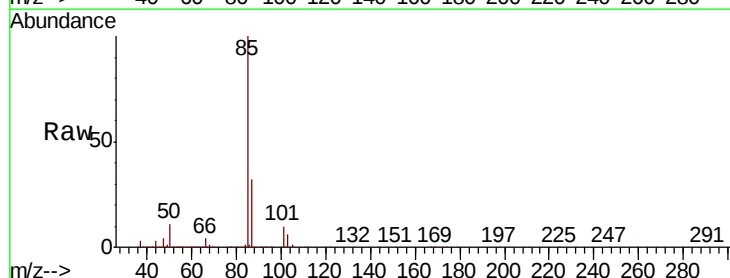
Acq: 18 Dec 2018 19:51

Tgt Ion: 85 Resp: 268604

Ion Ratio Lower Upper

85 100

87 32.1 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

250000

200000

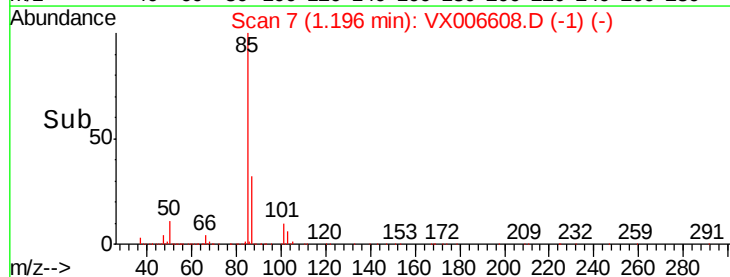
150000

100000

50000

0

Time-->





#3

Chloromethane

Concen: 47.692 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX006608.D

Acq: 18 Dec 2018 19:51

Instrument :

MSVOA_X

ClientSampleId :

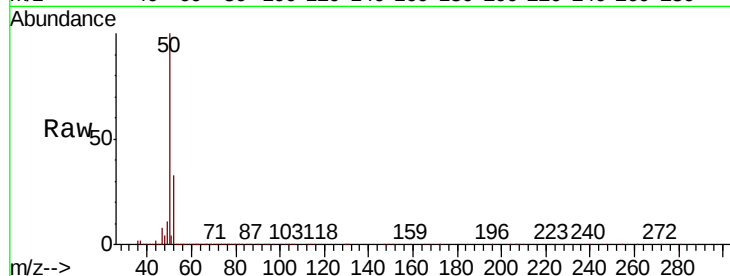
VSTDCCC050EC

Tot Ion: 50 Resp: 288617

Ion Ratio Lower Upper

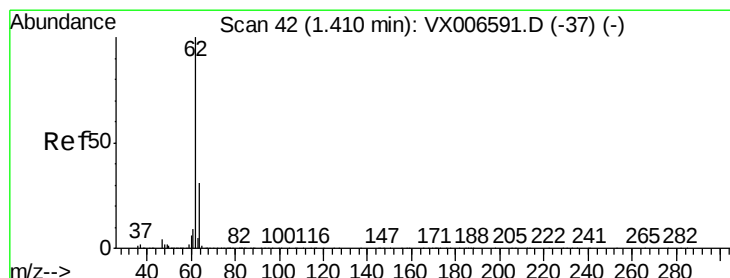
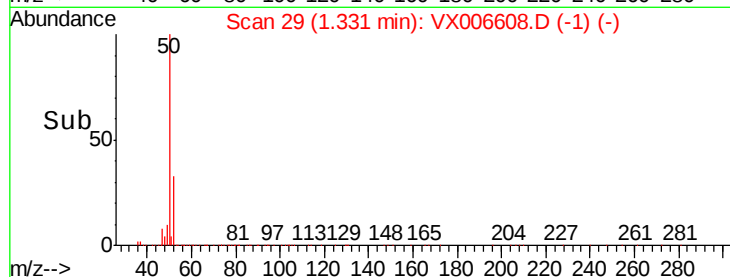
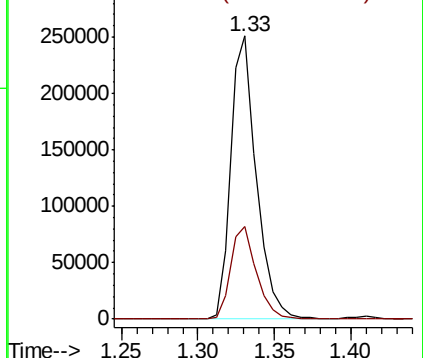
50 100

52 32.6 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 49.271 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX006608.D

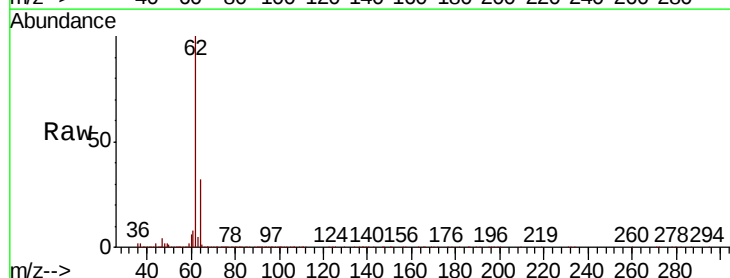
Acq: 18 Dec 2018 19:51

Tgt Ion: 62 Resp: 311414

Ion Ratio Lower Upper

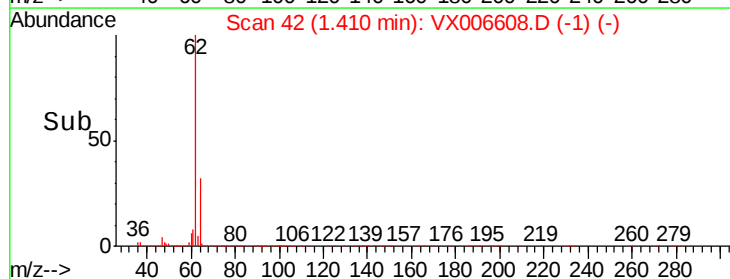
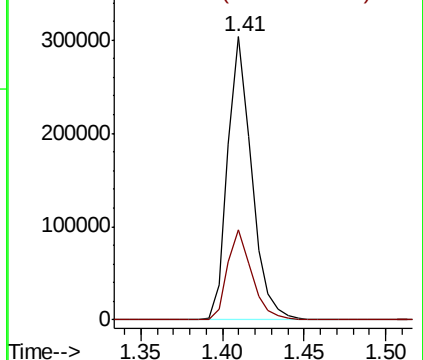
62 100

64 31.8 24.9 37.3



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 51.152 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX006608.D

Acq: 18 Dec 2018 19:51

Instrument :

MSVOA_X

ClientSampleId :

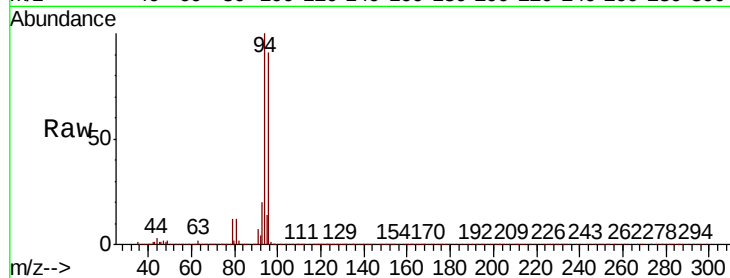
VSTDCCC050EC

Tot Ion: 94 Resp: 301447

Ion Ratio Lower Upper

94 100

96 91.4 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

300000

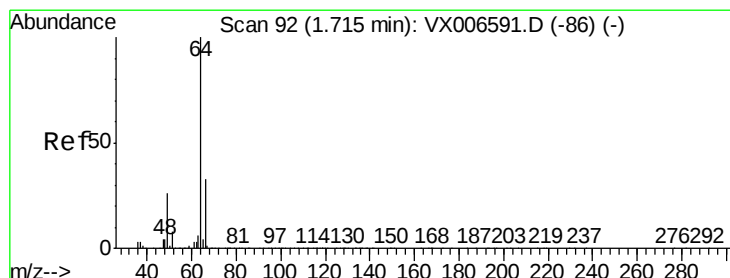
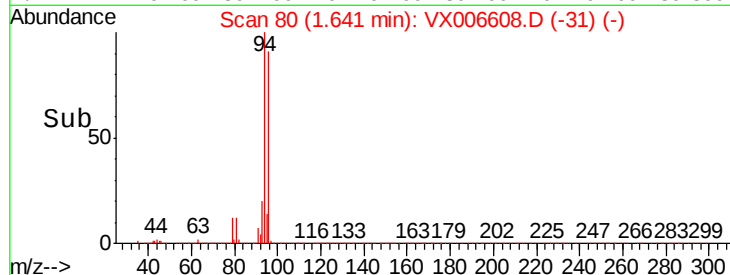
200000

100000

0

Time-->

1.60 1.65 1.70



#6

Chloroethane

Concen: 45.191 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX006608.D

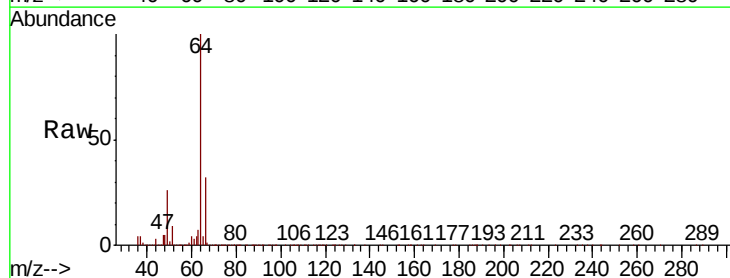
Acq: 18 Dec 2018 19:51

Tgt Ion: 64 Resp: 197771

Ion Ratio Lower Upper

64 100

66 32.3 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.72

150000

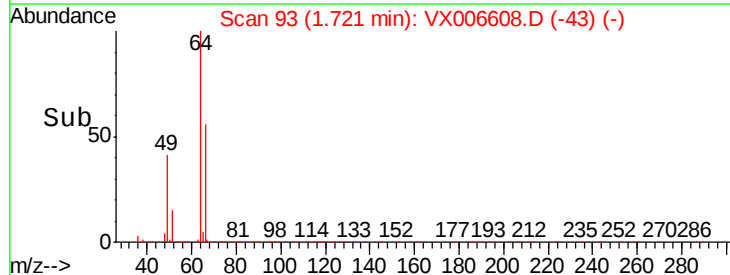
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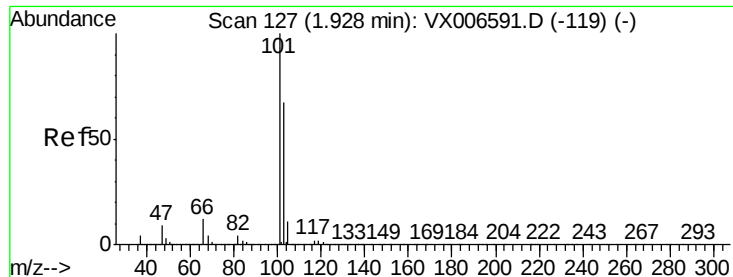
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Time-->

1.70 1.80



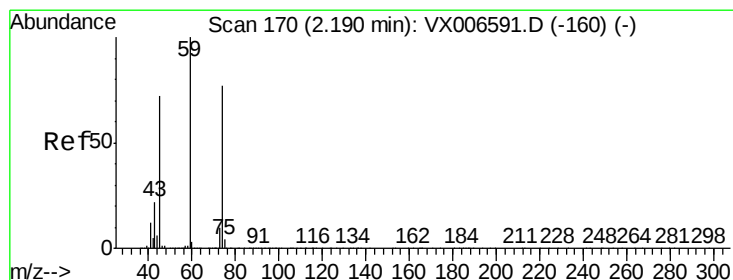
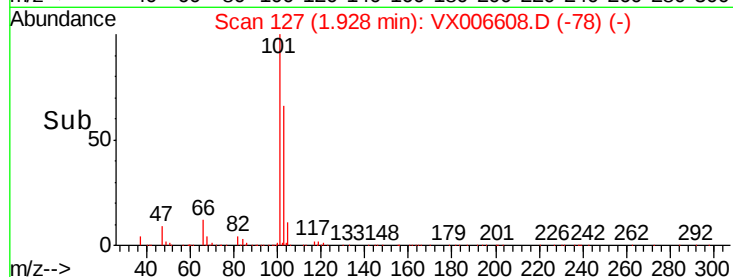
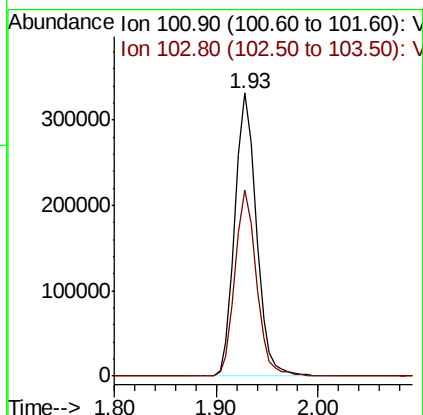
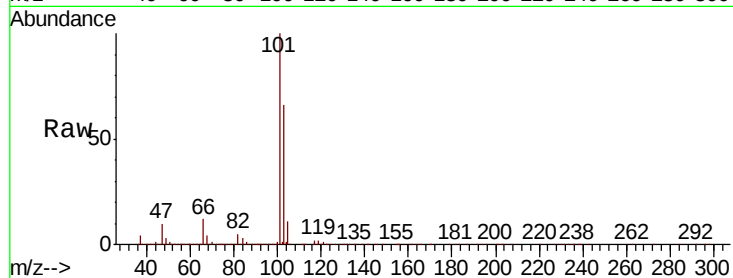


#7

Trichlorofluoromethane
 Concen: 49.193 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. -0.00 min
 Lab File: VX006608.D
 Acq: 18 Dec 2018 19:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

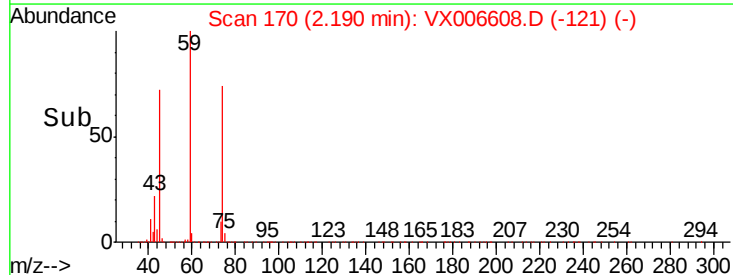
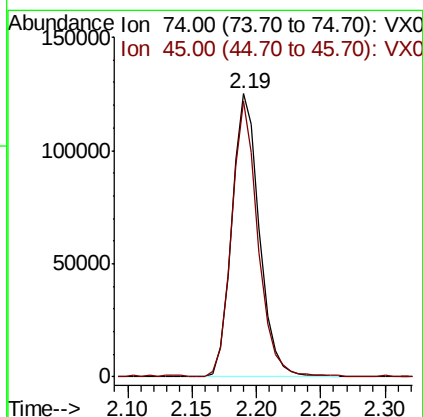
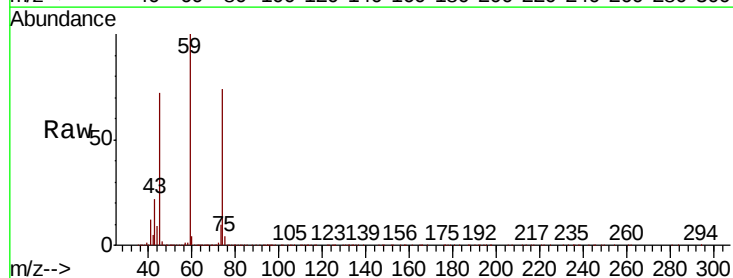
Tot Ion:101 Resp: 484750
 Ion Ratio Lower Upper
 101 100
 103 65.5 51.0 76.4

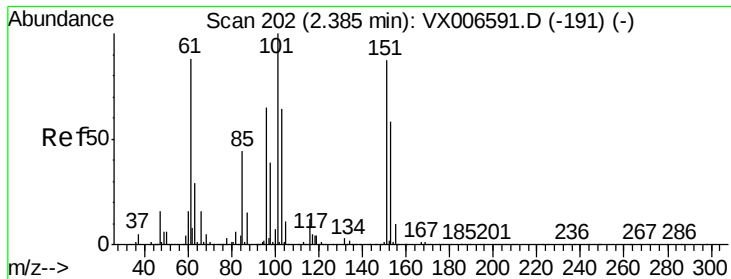


#8

Diethyl Ether
 Concen: 47.196 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. -0.00 min
 Lab File: VX006608.D
 Acq: 18 Dec 2018 19:51

Tgt Ion: 74 Resp: 184721
 Ion Ratio Lower Upper
 74 100
 45 93.6 49.5 148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.637 ug/l

RT: 2.39 min Scan# 202

Delta R.T. -0.00 min

Lab File: VX006608.D

Acq: 18 Dec 2018 19:51

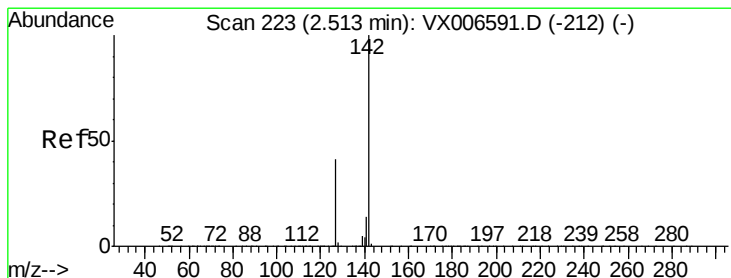
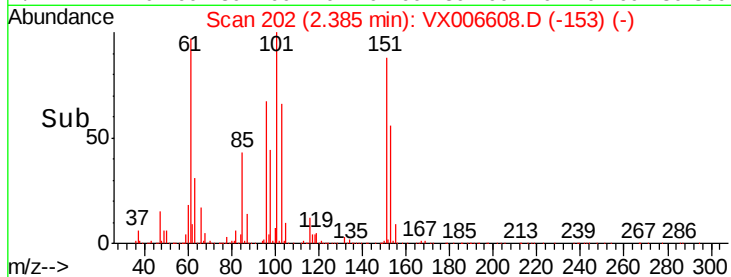
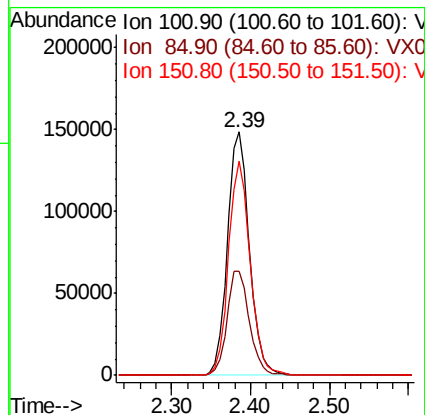
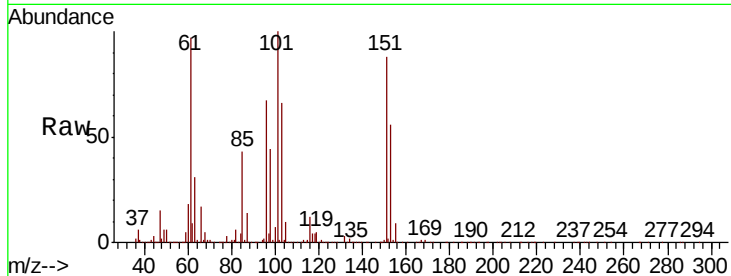
Instrument :

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ClientSampleId :

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Tot Ion:	101	Resp:	287193
Ion	Ratio	Lower	Upper
101	100		
85	43.9	35.5	53.3
151	86.8	68.6	103.0



#10

Methyl Iodide

Concen: 53.834 ug/l

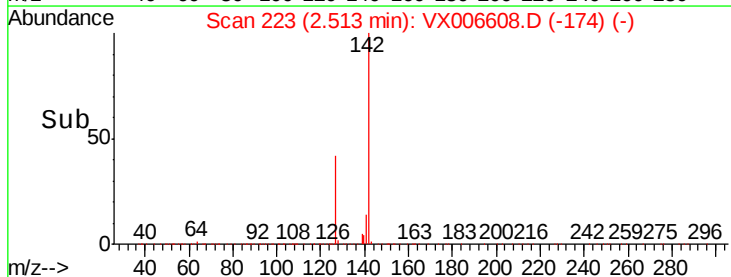
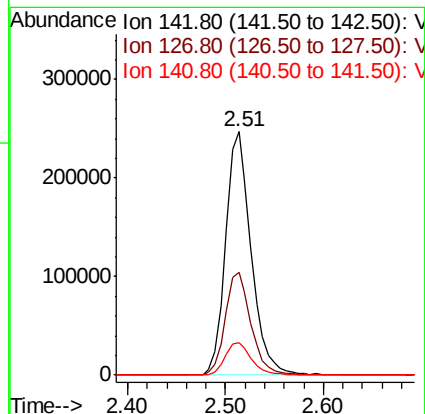
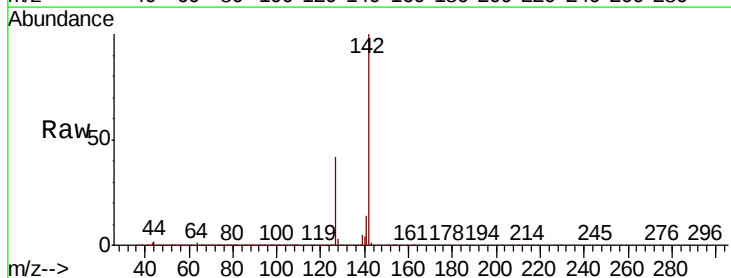
RT: 2.51 min Scan# 223

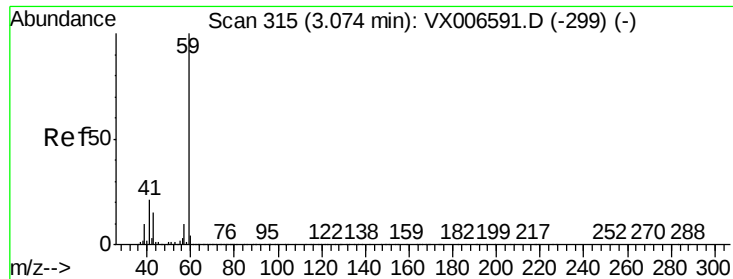
Delta R.T. -0.00 min

Lab File: VX006608.D

Acq: 18 Dec 2018 19:51

Tgt Ion:	142	Resp:	445865
Ion	Ratio	Lower	Upper
142	100		
127	42.6	34.8	52.2
141	13.8	11.4	17.2



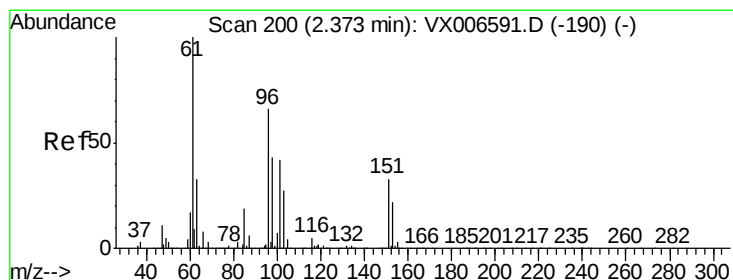
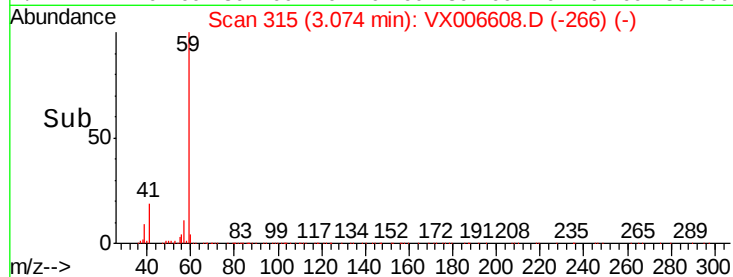
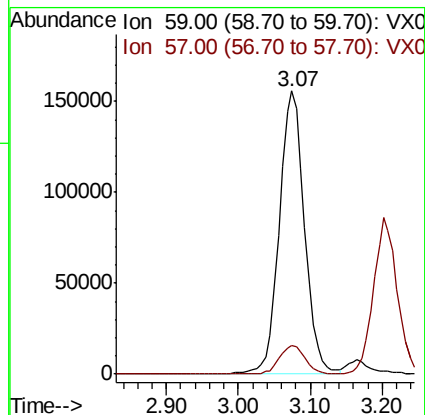
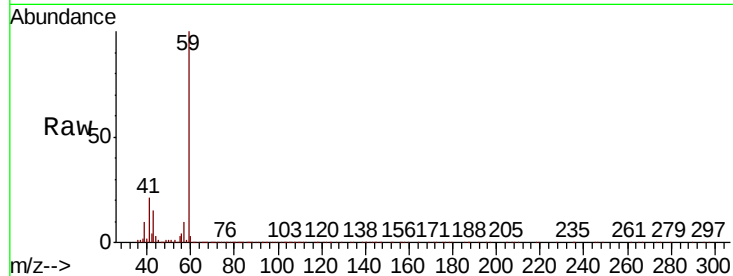


#11

Tert butyl alcohol
 Concen: 255.815 ug/l
 RT: 3.07 min Scan# 315
 Delta R.T. -0.00 min
 Lab File: VX006608.D
 Acq: 18 Dec 2018 19:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

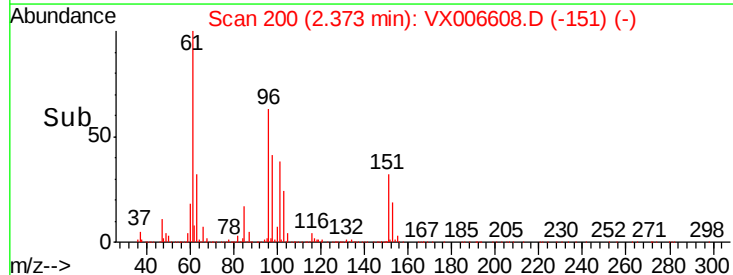
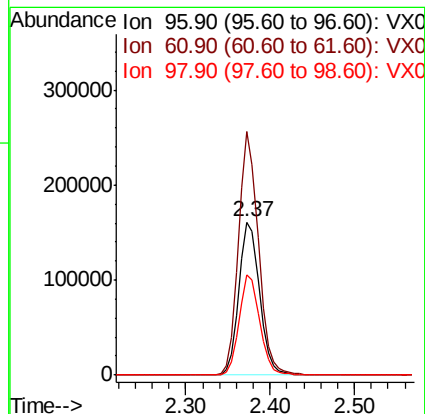
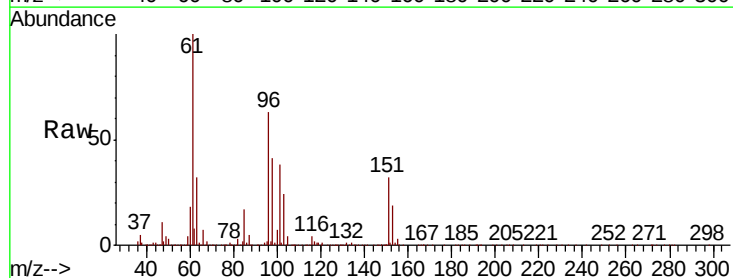
Tot Ion: 59 Resp: 377808
 Ion Ratio Lower Upper
 59 100
 57 10.2 8.2 12.2

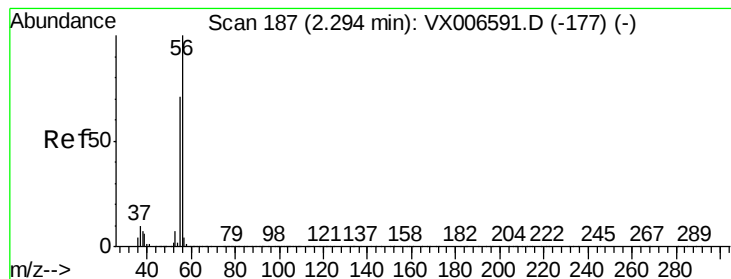


#12

1,1-Dichloroethene
 Concen: 48.269 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. -0.00 min
 Lab File: VX006608.D
 Acq: 18 Dec 2018 19:51

Tgt Ion: 96 Resp: 264810
 Ion Ratio Lower Upper
 96 100
 61 159.3 131.7 197.5
 98 65.8 51.8 77.6





#13

Acrolein

Concen: 226.034 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX006608.D

Acq: 18 Dec 2018 19:51

Instrument :

MSVOA_X

ClientSampleId :

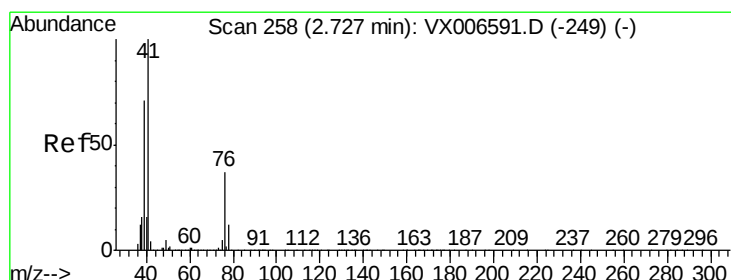
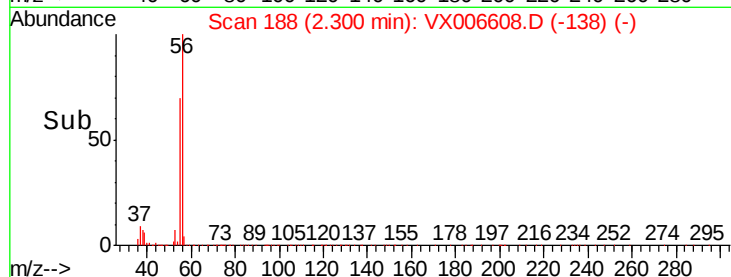
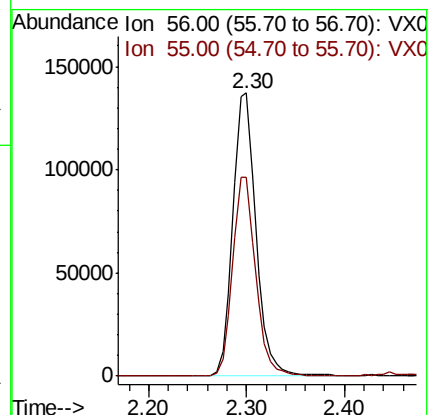
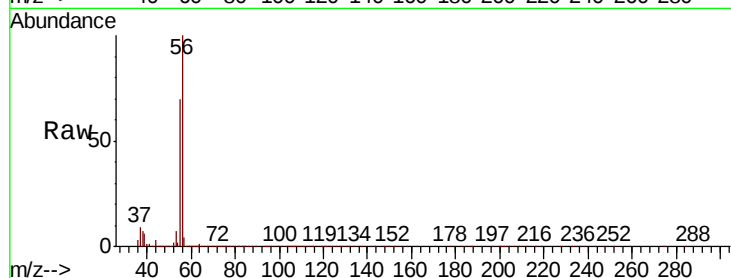
VSTDCCC050EC

Tot Ion: 56 Resp: 225201

Ion Ratio Lower Upper

56 100

55 70.0 57.8 86.6



#14

Allyl chloride

Concen: 49.895 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX006608.D

Acq: 18 Dec 2018 19:51

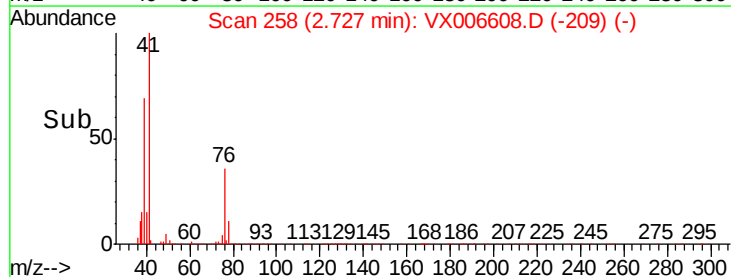
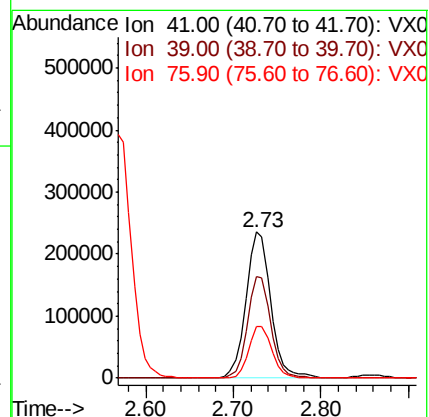
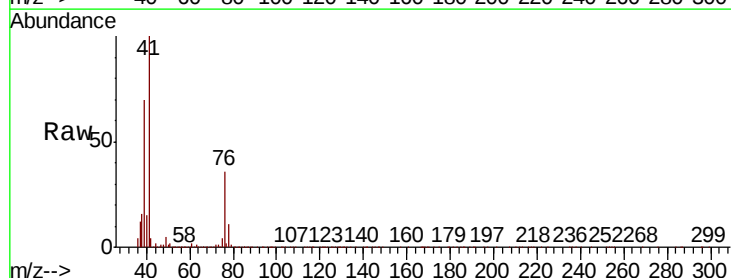
Tgt Ion: 41 Resp: 460748

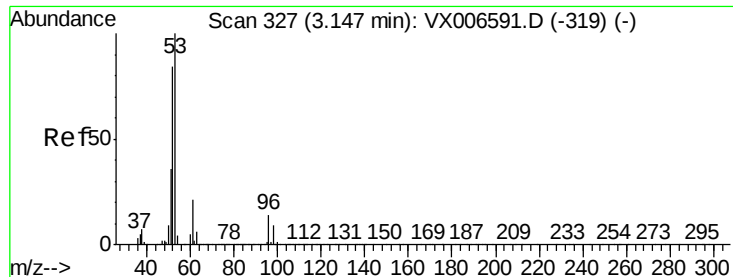
Ion Ratio Lower Upper

41 100

39 65.4 52.4 78.6

76 33.0 25.4 38.0





#15

Acrylonitrile

Concen: 255.268 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.01 min

Lab File: VX006608.D

Acq: 18 Dec 2018 19:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

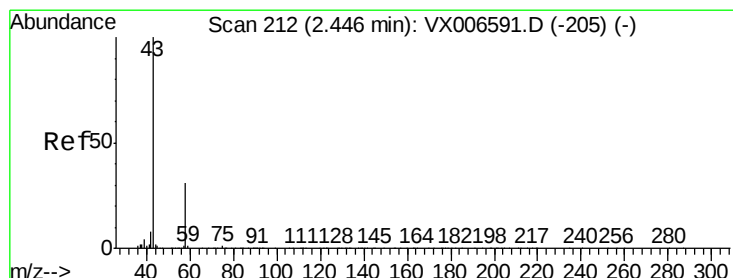
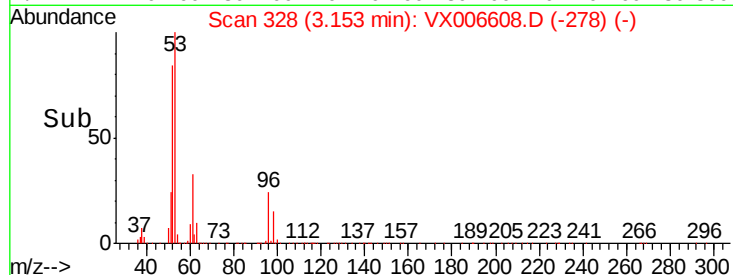
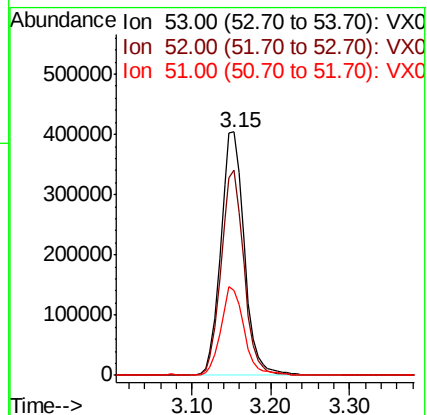
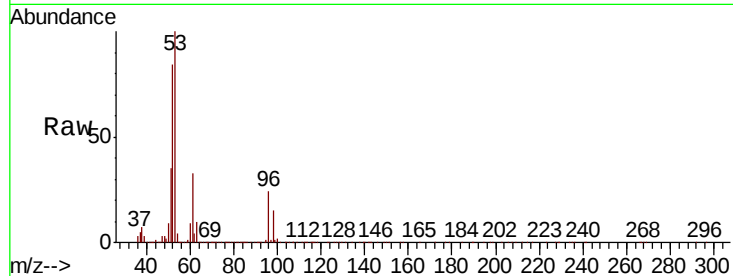
Tot Ion: 53 Resp: 837059

Ion Ratio Lower Upper

53 100

52 81.7 66.2 99.4

51 35.9 28.7 43.1



#16

Acetone

Concen: 234.450 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX006608.D

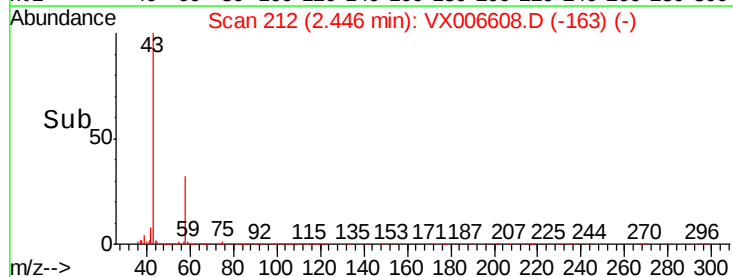
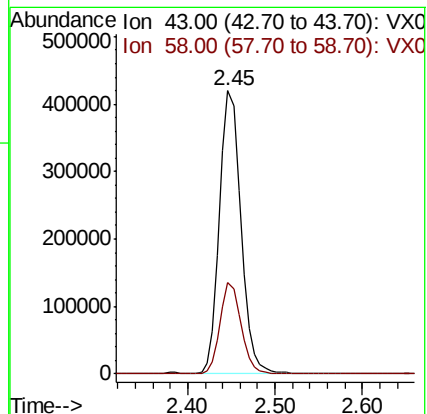
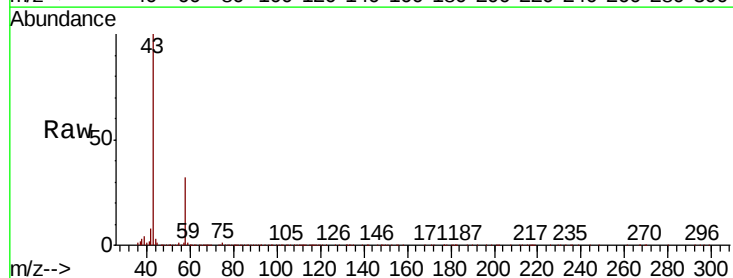
Acq: 18 Dec 2018 19:51

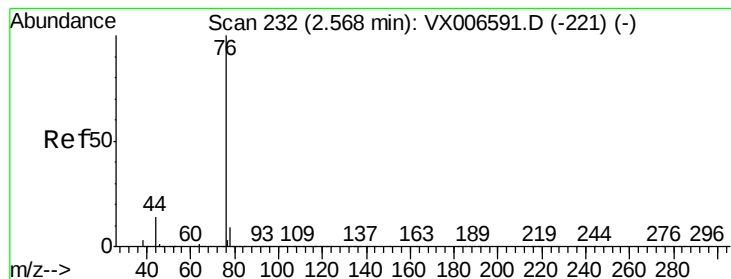
Tgt Ion: 43 Resp: 712813

Ion Ratio Lower Upper

43 100

58 32.2 24.0 36.0





#17

Carbon Disulfide

Concen: 45.886 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX006608.D

Acq: 18 Dec 2018 19:51

Instrument :

MSVOA_X

ClientSampleId :

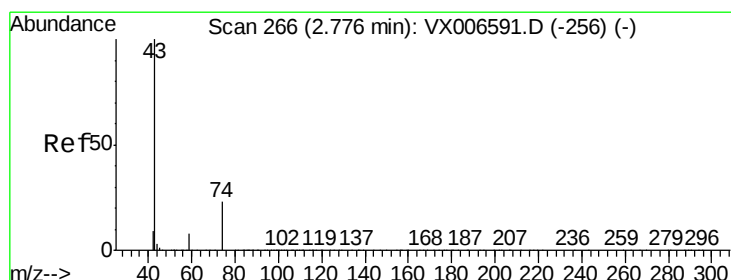
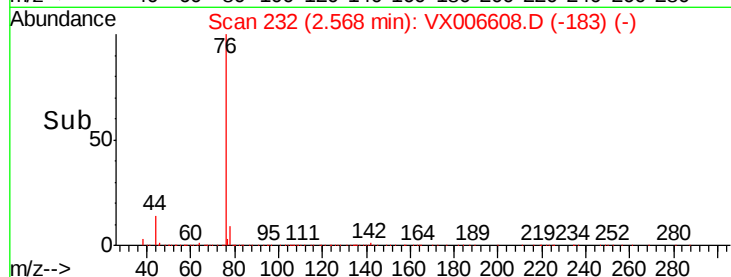
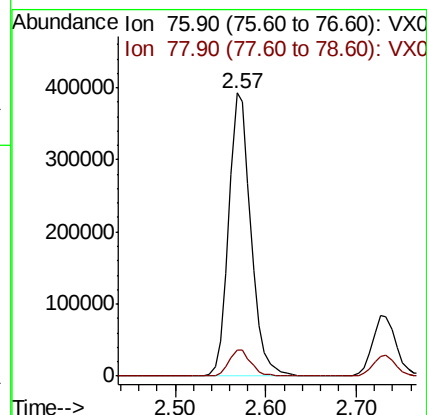
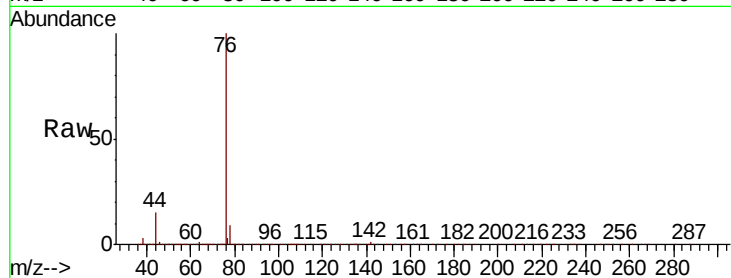
VSTDCCC050EC

Tot Ion: 76 Resp: 666189

Ion Ratio Lower Upper

76 100

78 9.1 7.1 10.7



#18

Methyl Acetate

Concen: 50.377 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.01 min

Lab File: VX006608.D

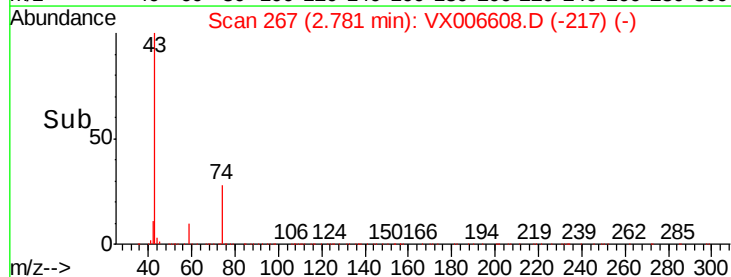
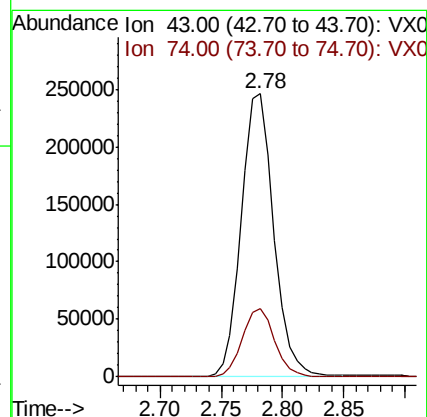
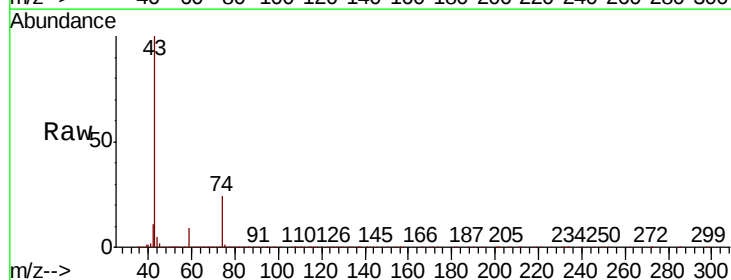
Acq: 18 Dec 2018 19:51

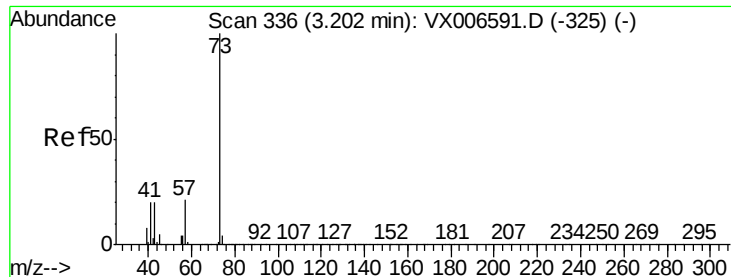
Tgt Ion: 43 Resp: 450379

Ion Ratio Lower Upper

43 100

74 24.5 17.9 26.9



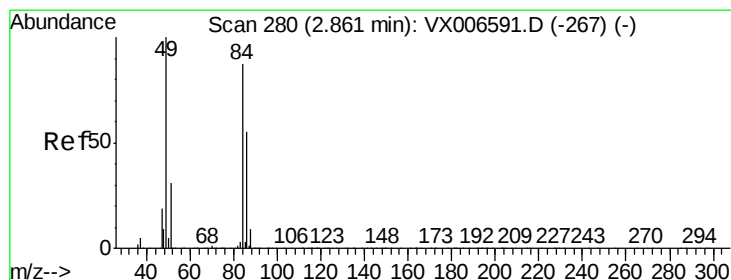
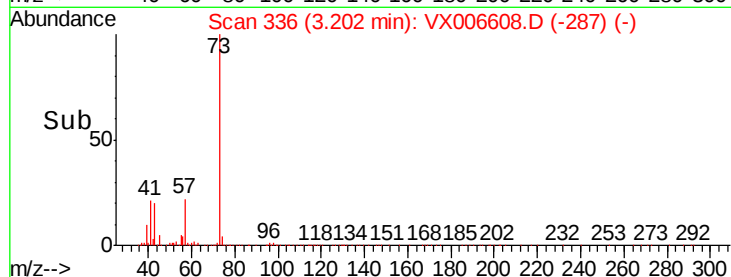
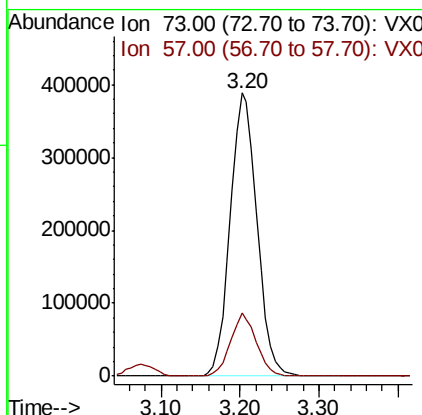
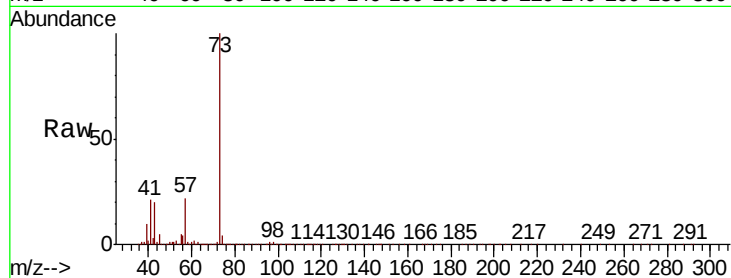


#19

Methyl tert-butyl Ether
 Concen: 50.318 ug/l
 RT: 3.20 min Scan# 336
 Delta R.T. -0.00 min
 Lab File: VX006608.D
 Acq: 18 Dec 2018 19:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

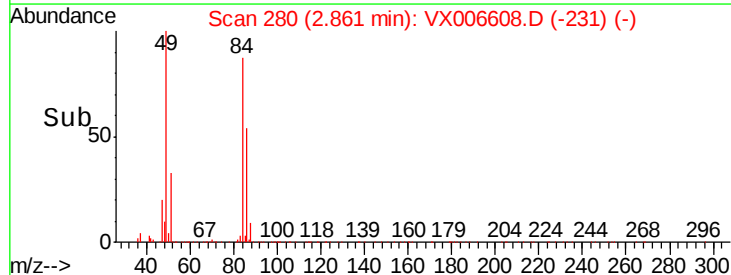
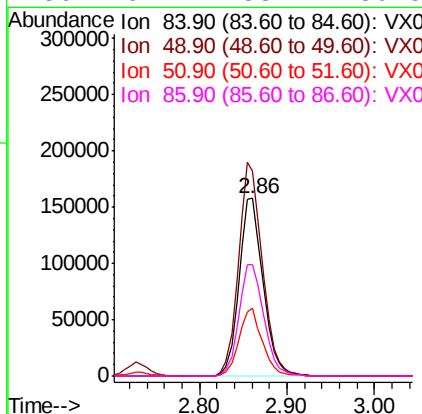
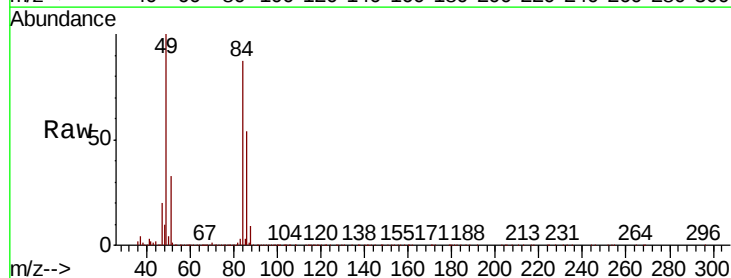
Tot Ion: 73 Resp: 916205
 Ion Ratio Lower Upper
 73 100
 57 22.2 17.5 26.3



#20

Methylene Chloride
 Concen: 48.163 ug/l
 RT: 2.86 min Scan# 280
 Delta R.T. -0.00 min
 Lab File: VX006608.D
 Acq: 18 Dec 2018 19:51

Tgt Ion: 84 Resp: 302800
 Ion Ratio Lower Upper
 84 100
 49 115.3 102.2 153.4
 51 38.0 31.1 46.7
 86 62.4 53.7 80.5





#21

trans-1,2-Dichloroethene

Concen: 46.952 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX006608.D

Acq: 18 Dec 2018 19:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

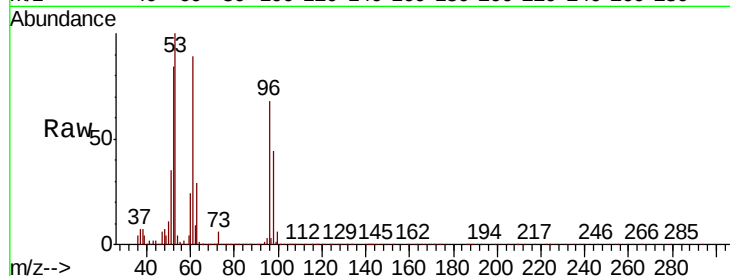
Tot Ion: 96 Resp: 285401

Ion Ratio Lower Upper

96 100

61 131.0 113.3 169.9

98 65.6 53.2 79.8

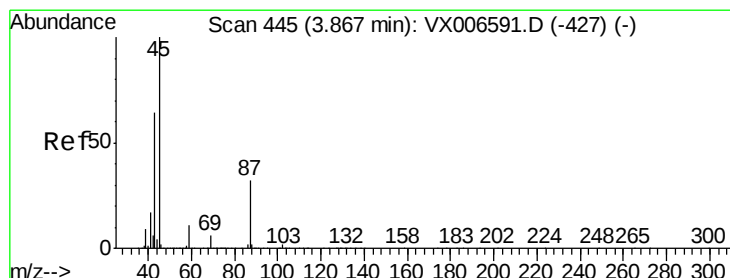
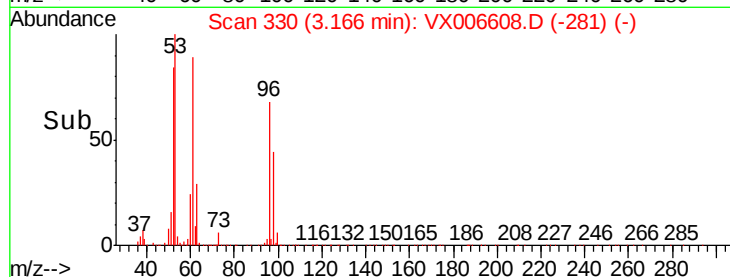
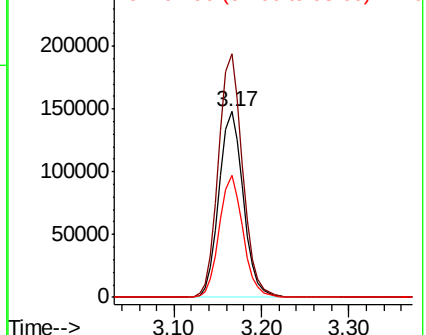


Abundance

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



#22

Diisopropyl ether

Concen: 50.098 ug/l

RT: 3.87 min Scan# 446

Delta R.T. 0.01 min

Lab File: VX006608.D

Acq: 18 Dec 2018 19:51

Tgt Ion: 45 Resp: 846346

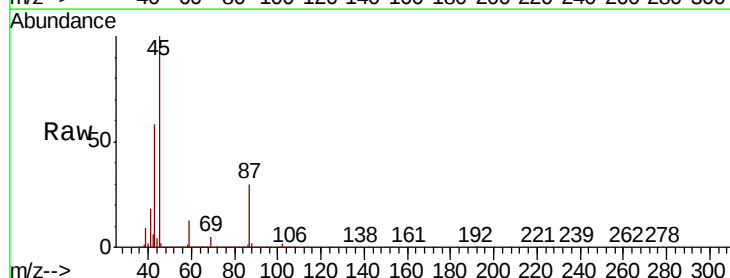
Ion Ratio Lower Upper

45 100

43 57.6 46.2 69.2

87 30.4 24.9 37.3

59 12.4 9.1 13.7



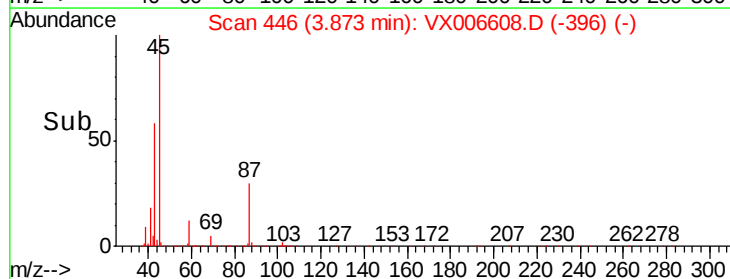
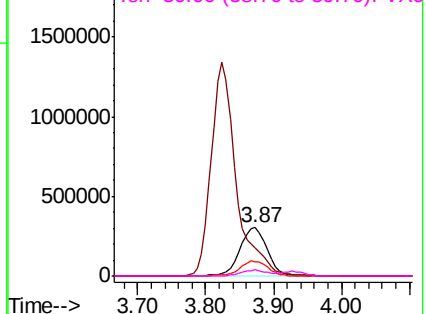
Abundance

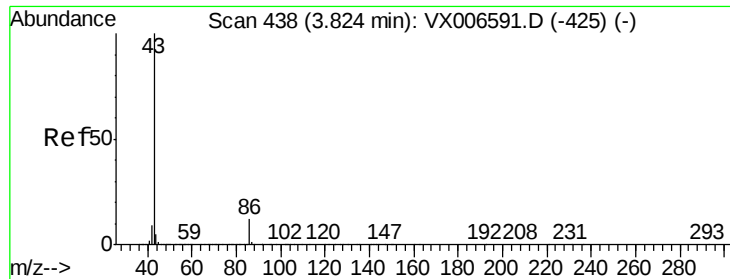
Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 249.252 ug/l

RT: 3.82 min Scan# 438

Delta R.T. -0.00 min

Lab File: VX006608.D

Acq: 18 Dec 2018 19:51

Instrument :

MSVOA_X

ClientSampleID :

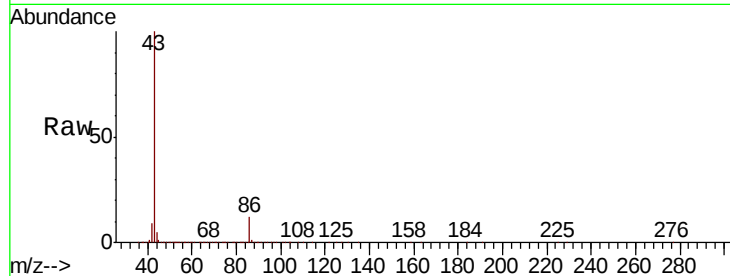
VSTDCCC050EC

Tot Ion: 43 Resp: 3444314

Ion Ratio Lower Upper

43 100

86 11.6 9.4 14.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

1500000

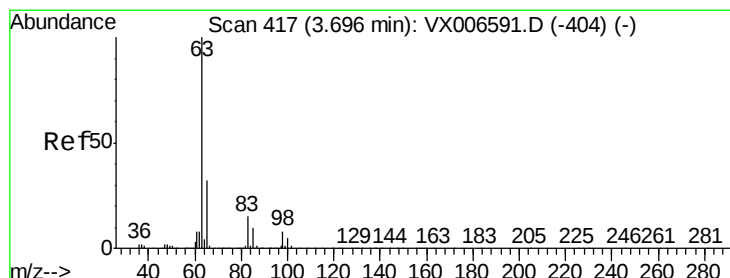
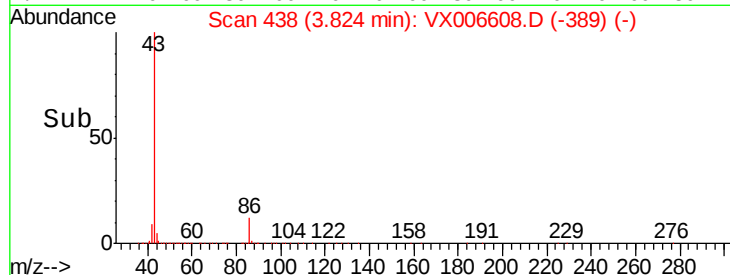
1000000

500000

0

3.70 3.80 3.90 4.00 4.10

Time-->



#24

1,1-Dichloroethane

Concen: 47.864 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX006608.D

Acq: 18 Dec 2018 19:51

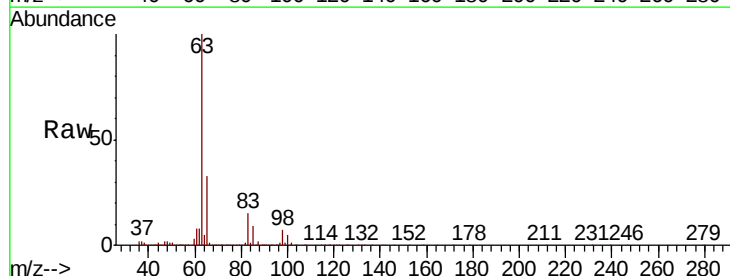
Tgt Ion: 63 Resp: 482702

Ion Ratio Lower Upper

63 100

98 6.9 3.8 11.4

100 4.6 2.5 7.4



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

250000

200000

150000

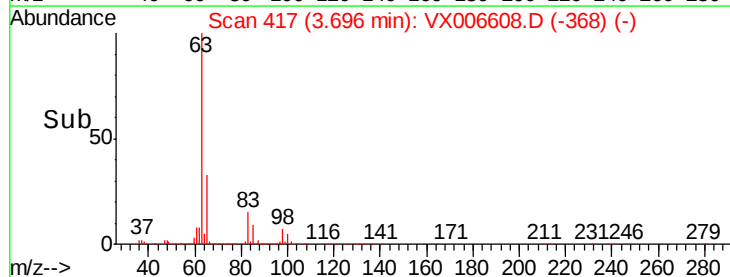
100000

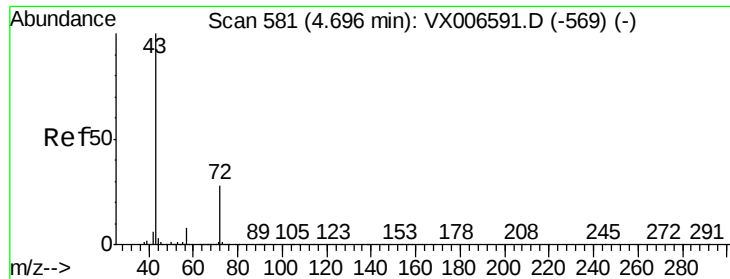
50000

0

3.60 3.70 3.80

Time-->





#25

2-Butanone

Concen: 245.151 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.00 min

Lab File: VX006608.D

Acq: 18 Dec 2018 19:51

Instrument :

MSVOA_X

ClientSampleId :

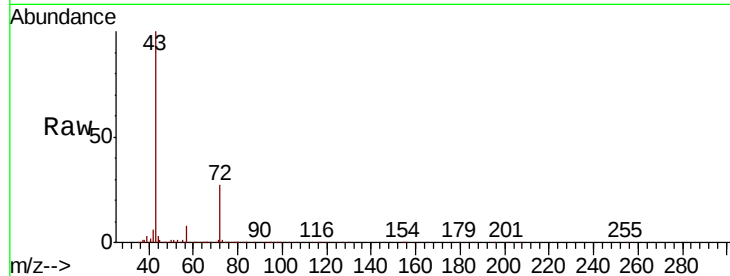
VSTDCCC050EC

Tot Ion: 43 Resp: 1048421

Ion Ratio Lower Upper

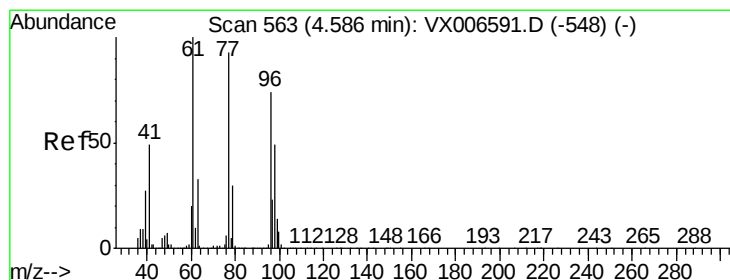
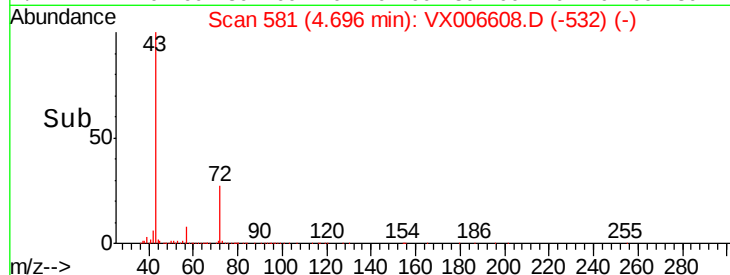
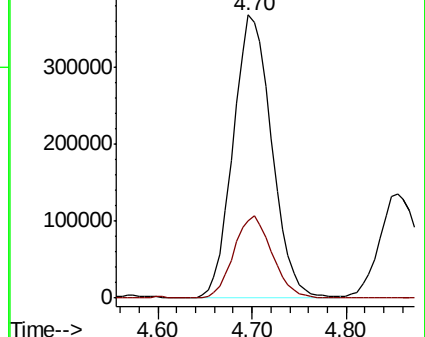
43 100

72 27.2 22.6 33.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 45.595 ug/l

RT: 4.59 min Scan# 563

Delta R.T. -0.00 min

Lab File: VX006608.D

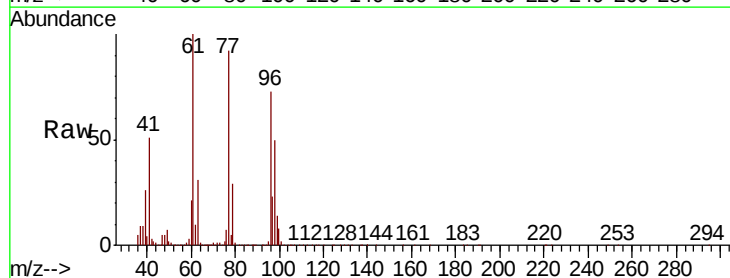
Acq: 18 Dec 2018 19:51

Tgt Ion: 77 Resp: 355187

Ion Ratio Lower Upper

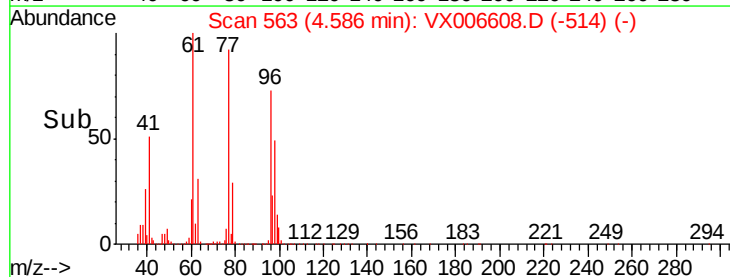
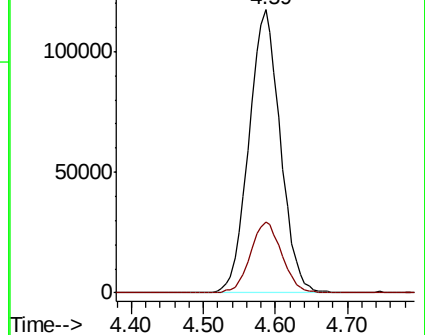
77 100

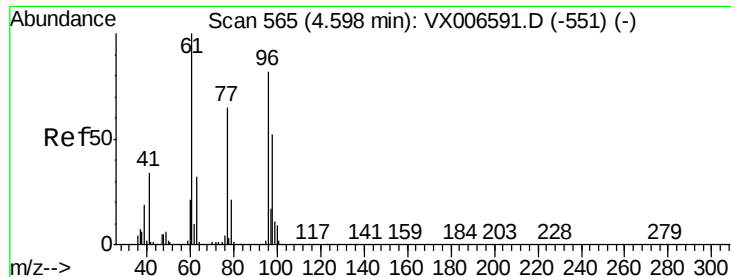
97 25.2 12.3 36.8



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



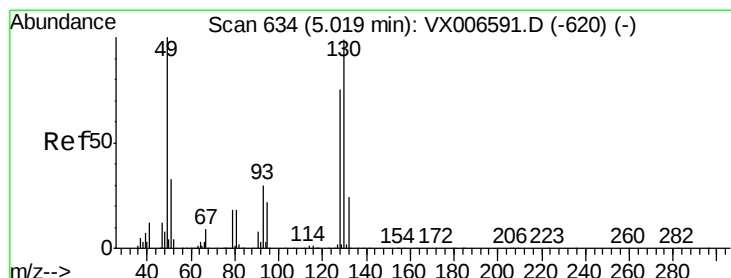
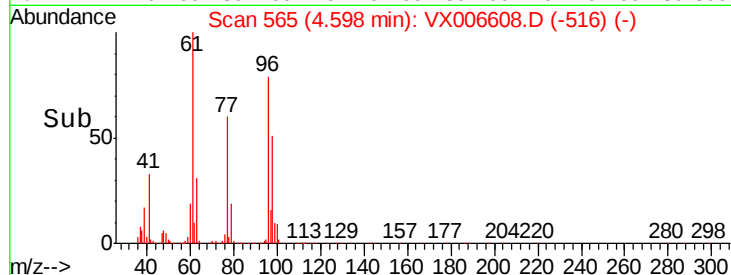
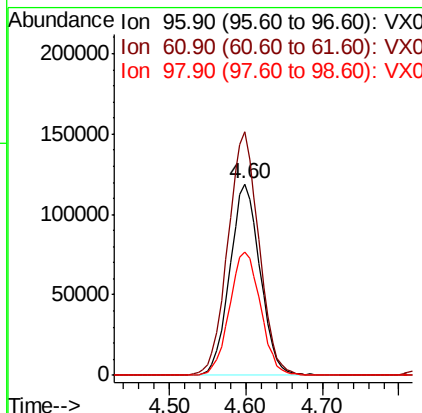
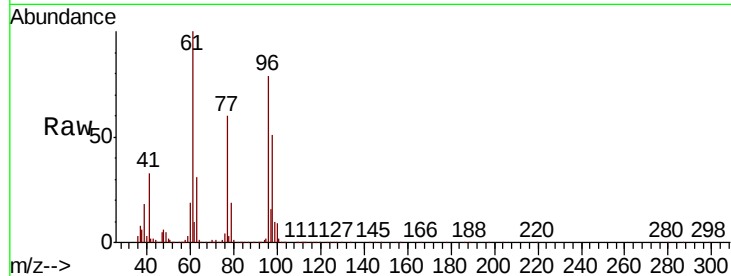


#27

cis-1,2-Dichloroethene
Concen: 48.619 ug/l
RT: 4.60 min Scan# 565
Delta R.T. -0.00 min
Lab File: VX006608.D
Acq: 18 Dec 2018 19:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

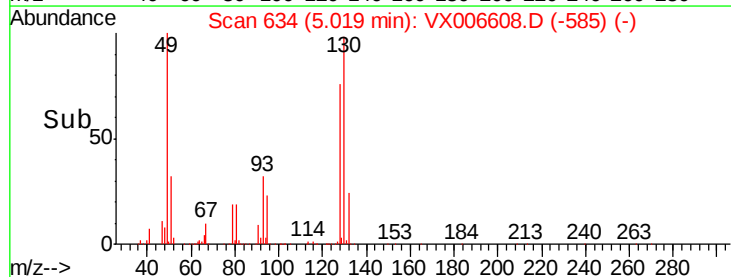
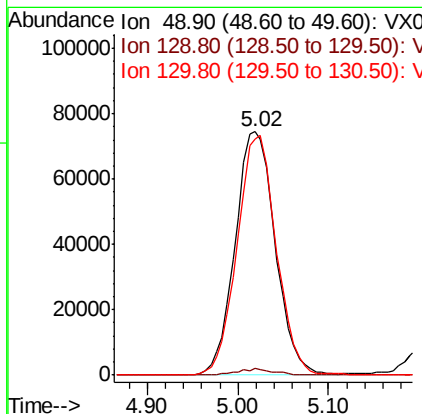
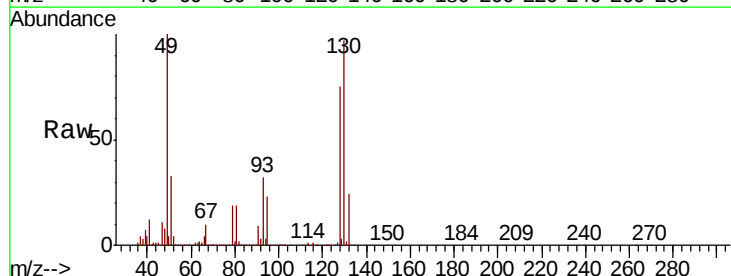
Tot Ion	Ratio	Lower	Upper
96	100		
61	129.7	0.0	265.0
98	66.0	0.0	130.2

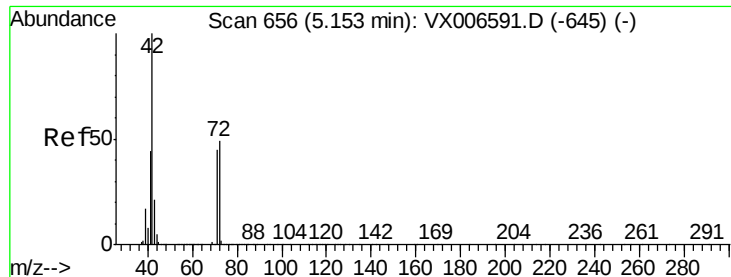


#28

Bromochloromethane
Concen: 53.893 ug/l
RT: 5.02 min Scan# 634
Delta R.T. -0.00 min
Lab File: VX006608.D
Acq: 18 Dec 2018 19:51

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	5.0
130	96.3	78.3	117.5





#29

Tetrahydrofuran

Concen: 250.463 ug/l

RT: 5.15 min Scan# 656

Delta R.T. -0.00 min

Lab File: VX006608.D

Acq: 18 Dec 2018 19:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

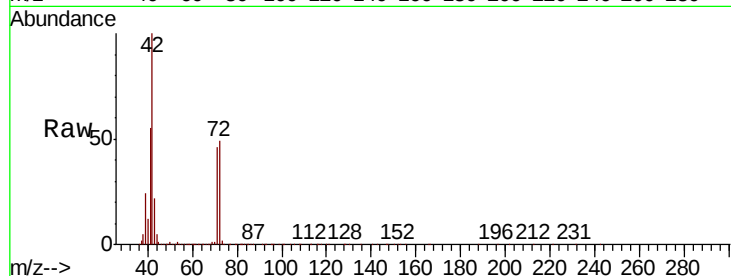
Tot Ion: 42 Resp: 705487

Ion Ratio Lower Upper

42 100

72 49.1 37.8 56.8

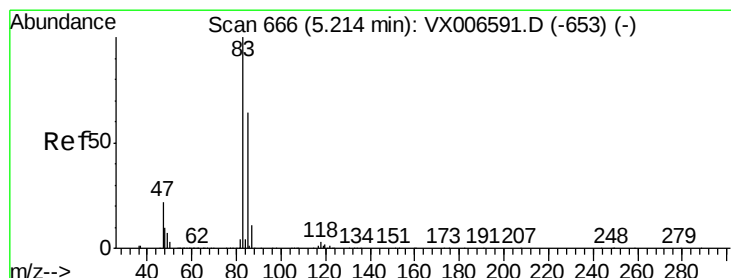
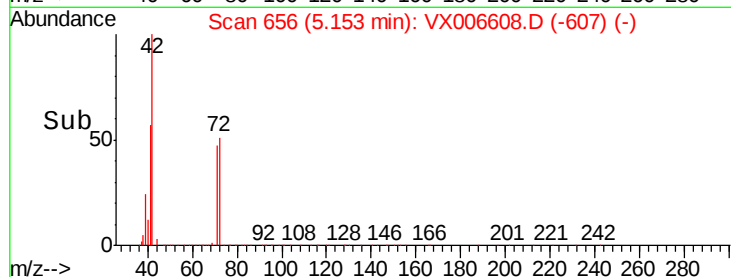
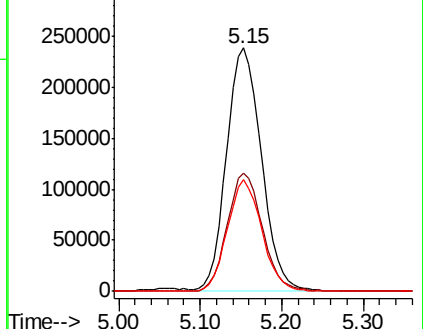
71 45.3 35.2 52.8



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: 49.289 ug/l

RT: 5.21 min Scan# 666

Delta R.T. -0.00 min

Lab File: VX006608.D

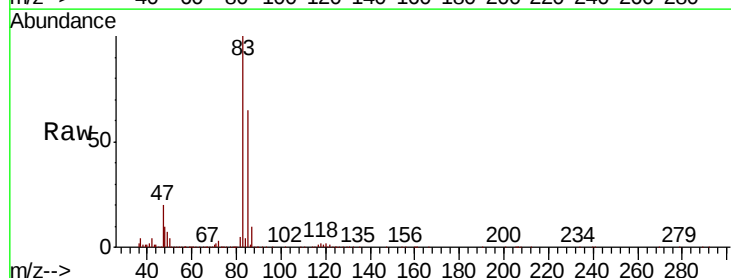
Acq: 18 Dec 2018 19:51

Tgt Ion: 83 Resp: 514740

Ion Ratio Lower Upper

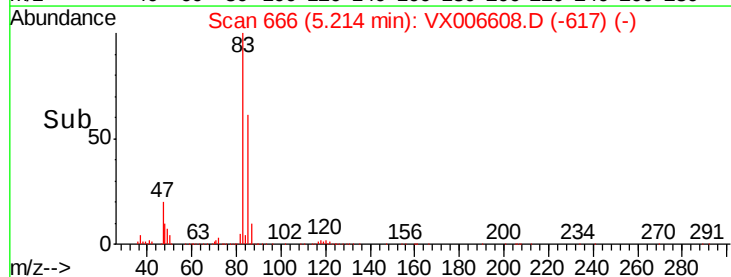
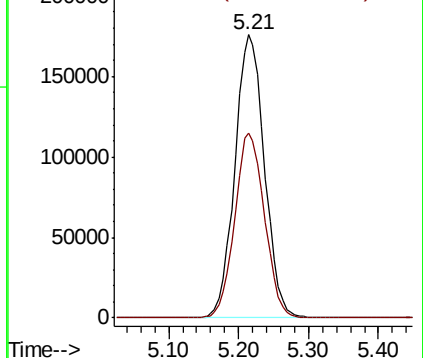
83 100

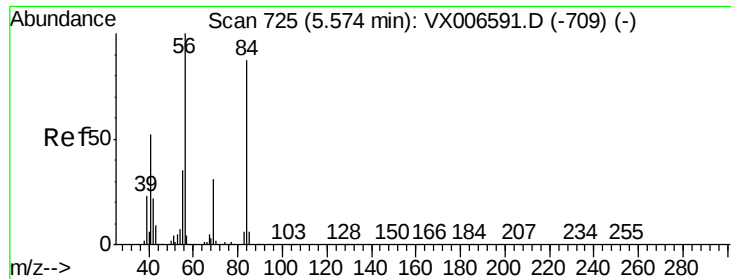
85 65.0 50.3 75.5



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

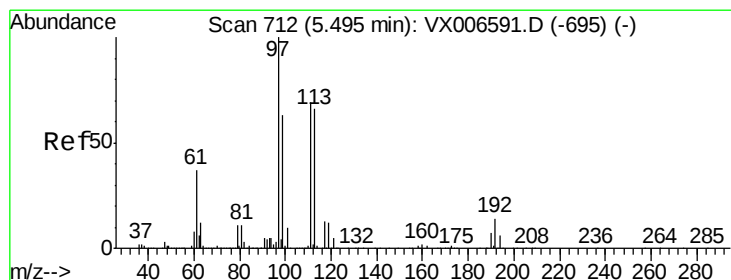
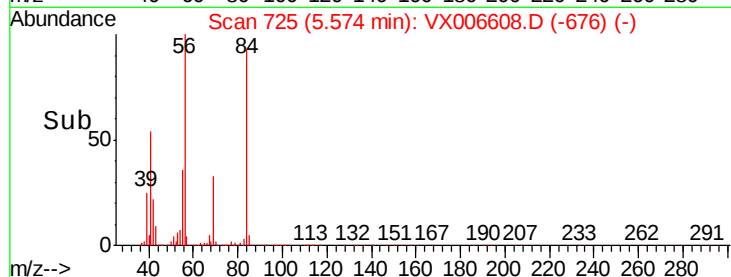
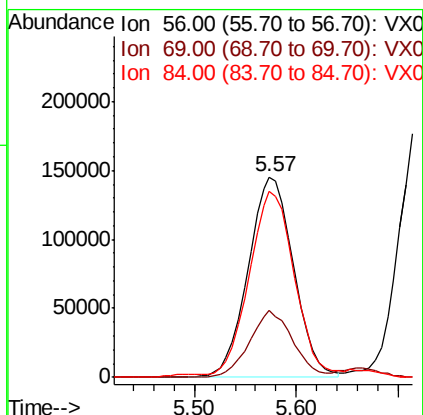
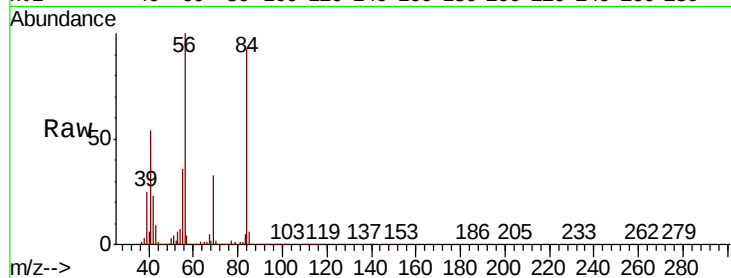




#31
Cvclohexane
Concen: 48.903 ug/l
RT: 5.57 min Scan# 725
Delta R.T. -0.00 min
Lab File: VX006608.D
Acq: 18 Dec 2018 19:51

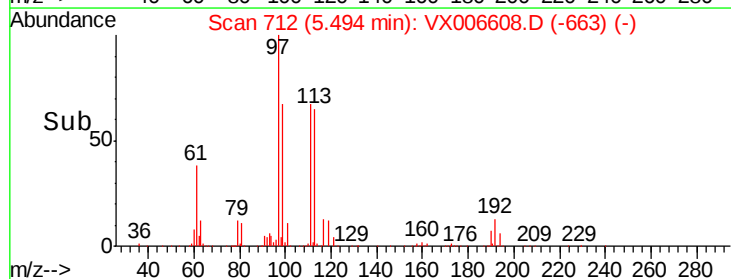
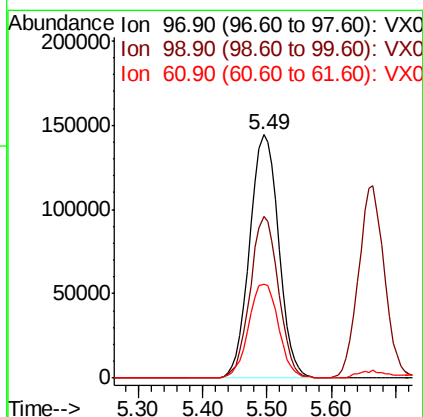
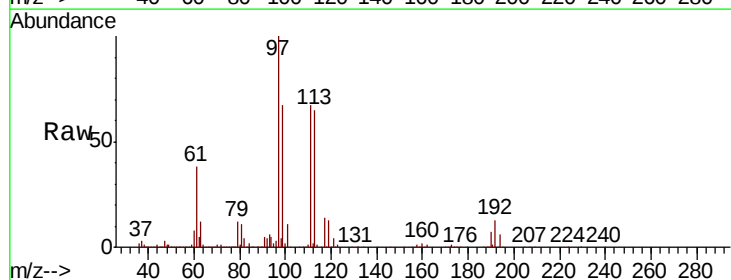
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

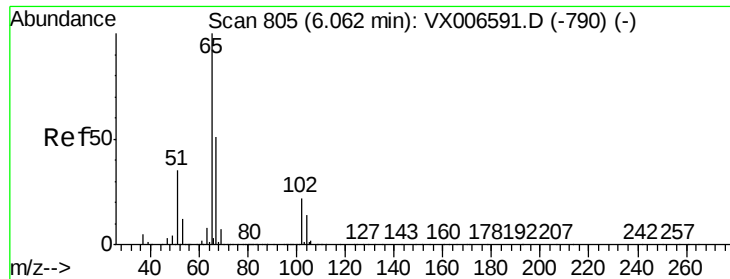
Tot Ion: 56 Resp: 448044
Ion Ratio Lower Upper
56 100
69 33.1 24.5 36.7
84 91.2 71.8 107.6



#32
1,1,1-Trichloroethane
Concen: 50.506 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.00 min
Lab File: VX006608.D
Acq: 18 Dec 2018 19:51

Tgt Ion: 97 Resp: 445370
Ion Ratio Lower Upper
97 100
99 64.9 51.6 77.4
61 39.7 30.6 46.0





#33

1,2-Dichloroethane-d4

Concen: 49.076 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.01 min

Lab File: VX006608.D

Acq: 18 Dec 2018 19:51

Instrument :

MSVOA_X

ClientSampleId :

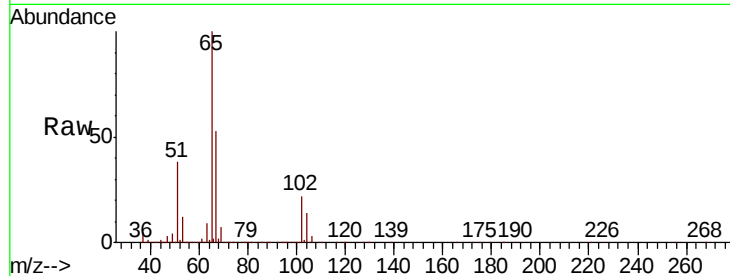
VSTDCCC050EC

Tot Ion: 65 Resp: 324768

Ion Ratio Lower Upper

65 100

67 53.2 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.07

150000

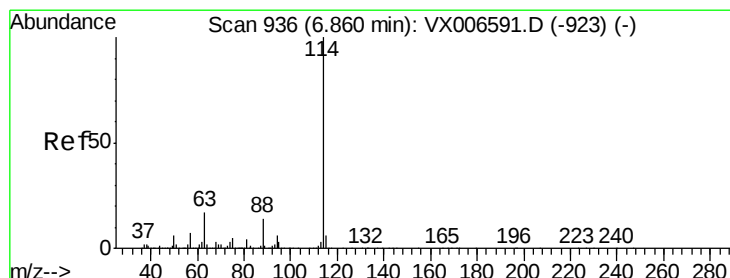
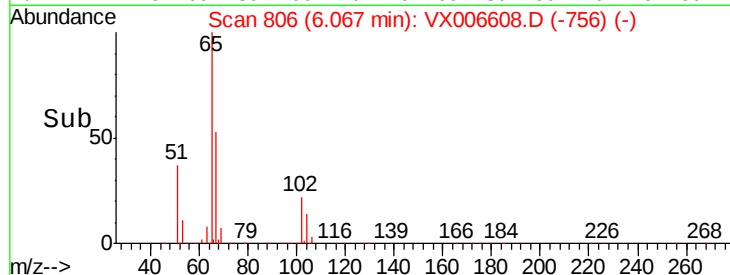
100000

50000

0

Time-->

6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX006608.D

Acq: 18 Dec 2018 19:51

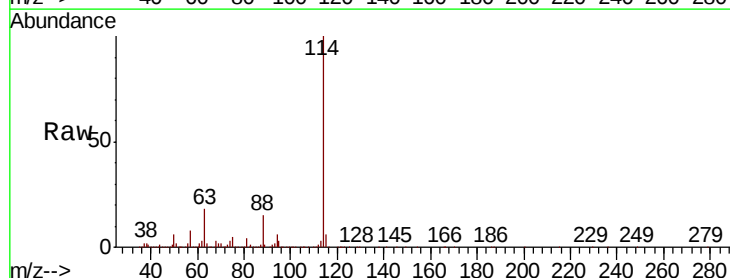
Tgt Ion: 114 Resp: 963211

Ion Ratio Lower Upper

114 100

63 17.5 0.0 36.6

88 15.1 0.0 29.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

6.86

500000

400000

300000

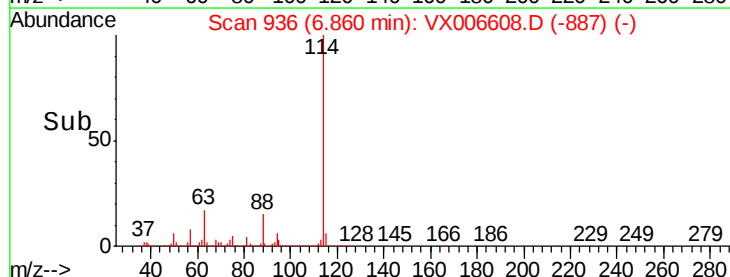
200000

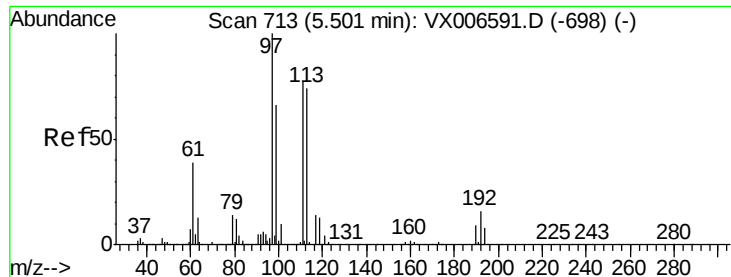
100000

0

Time-->

6.70 6.80 6.90 7.00

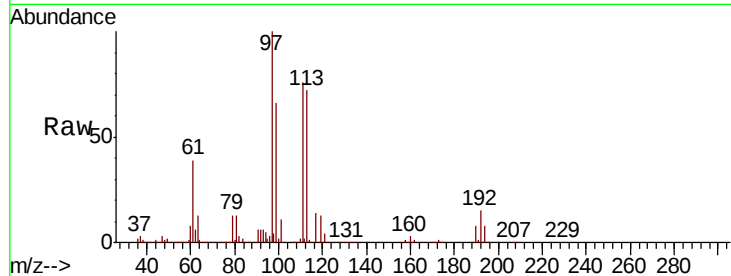




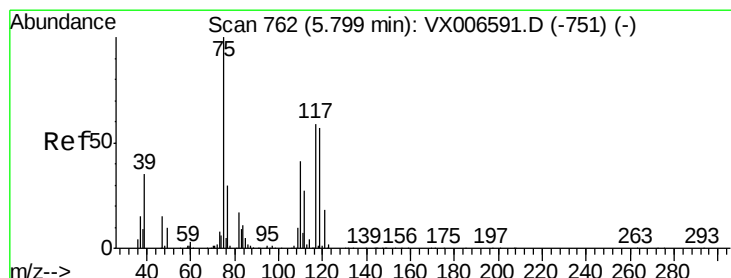
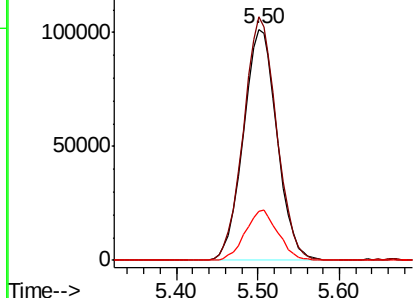
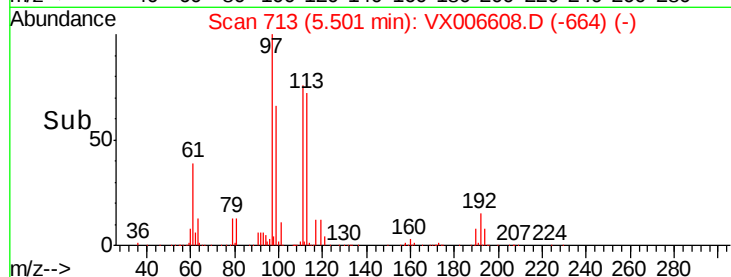
#35
 Dibromofluoromethane
 Concen: 47.779 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX006608.D
 Acq: 18 Dec 2018 19:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.0	81.1	121.7
192	21.3	18.2	27.2

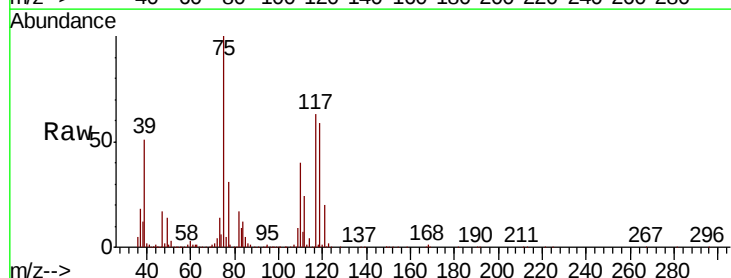


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

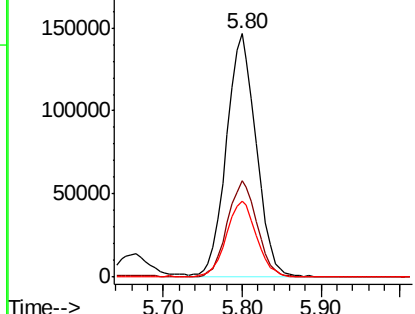
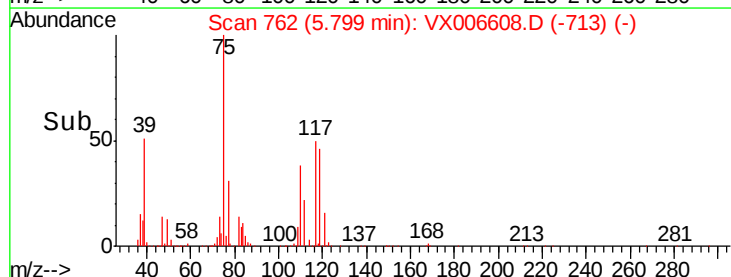


#36
 1,1-Dichloropropene
 Concen: 48.059 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: VX006608.D
 Acq: 18 Dec 2018 19:51

Tgt Ion	Ratio	Lower	Upper
75	100		
110	39.8	20.4	61.3
77	31.7	24.9	37.3



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

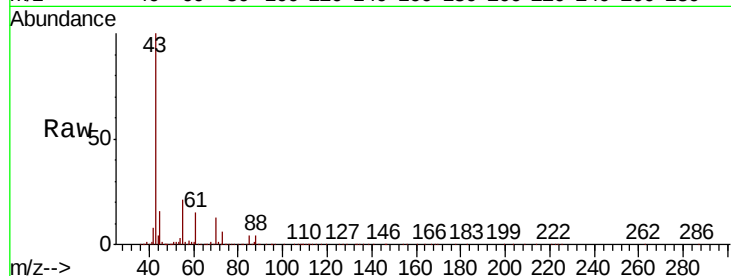




#37
Ethyl Acetate
Concen: 47.694 ug/l
RT: 4.85 min Scan# 607
Delta R.T. -0.00 min
Lab File: VX006608.D
Acq: 18 Dec 2018 19:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.9	11.5	17.3
70	12.0	9.0	13.6

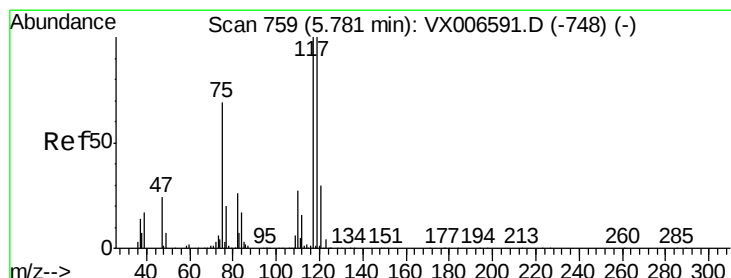
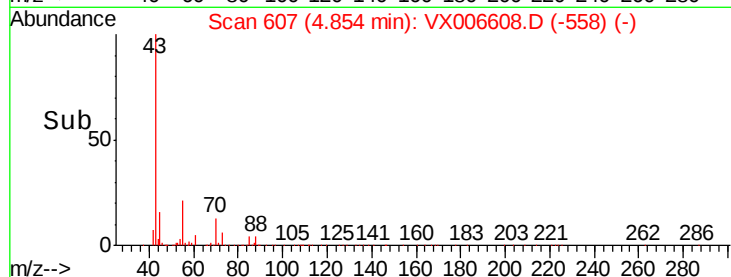
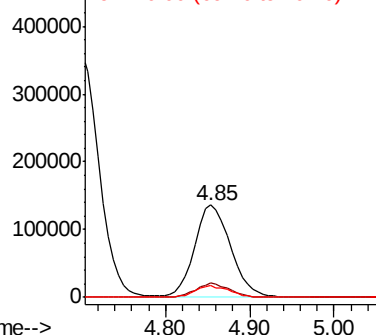


Abundance

Ion 43.00 (42.70 to 43.70): VX0

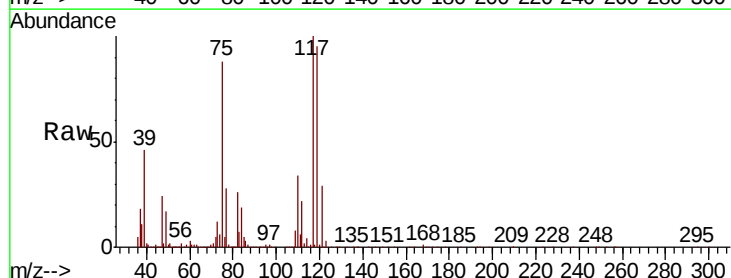
Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0



#38
Carbon Tetrachloride
Concen: 48.203 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.01 min
Lab File: VX006608.D
Acq: 18 Dec 2018 19:51

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.8	75.8	113.8
121	28.8	24.6	37.0

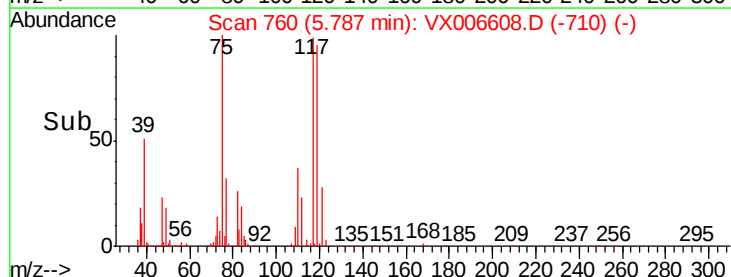
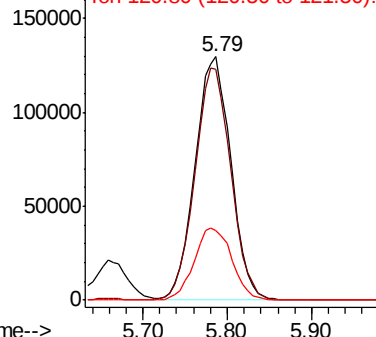


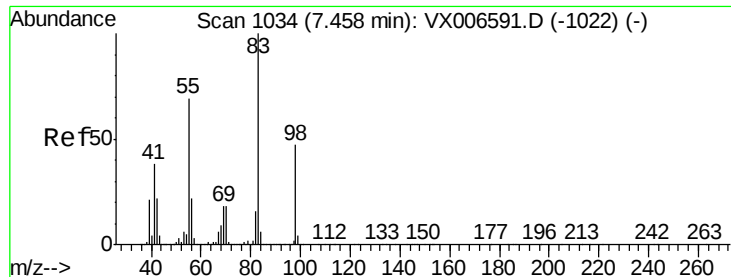
Abundance

Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

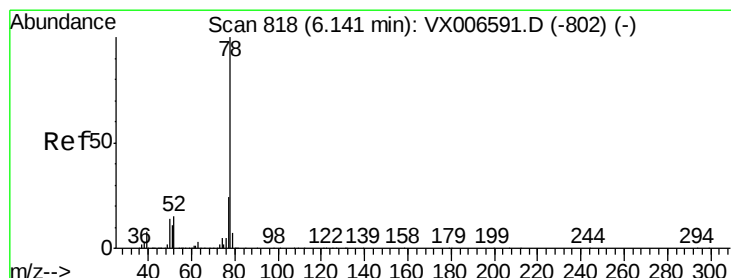
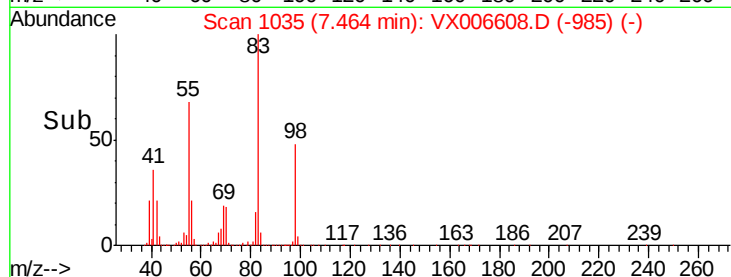
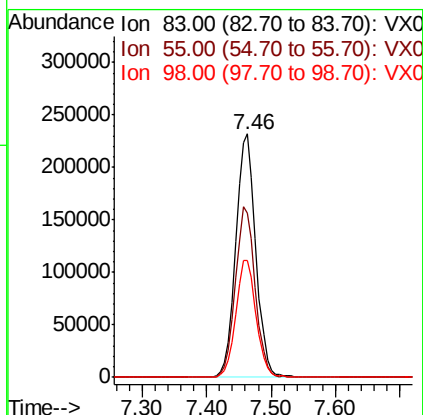
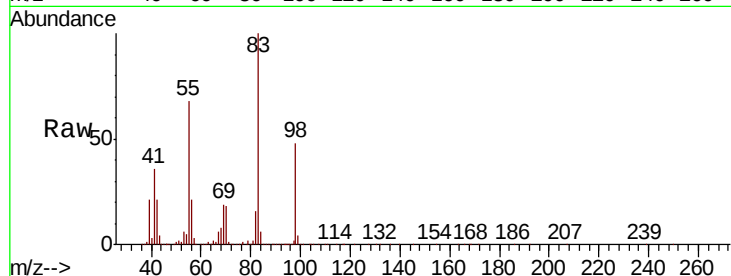




#39
Methvlcvclohexane
Concen: 47.648 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VX006608.D
Acq: 18 Dec 2018 19:51

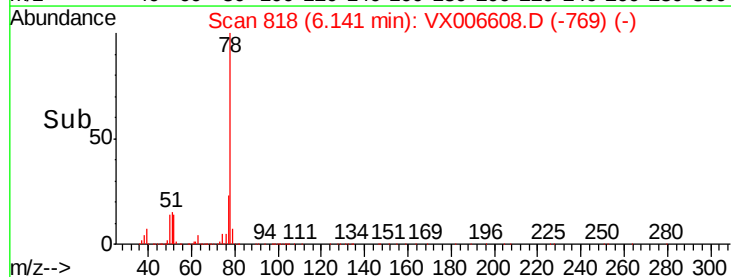
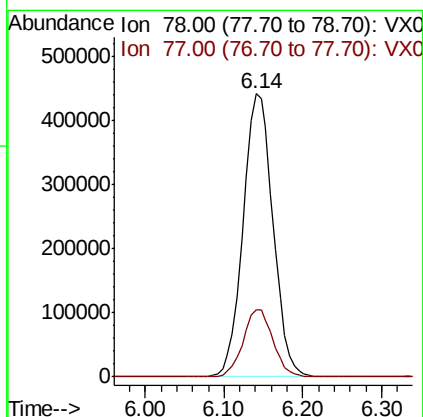
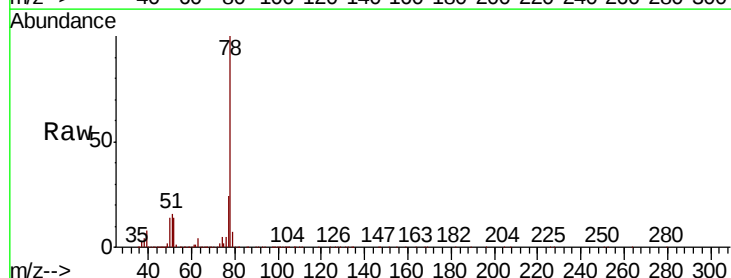
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

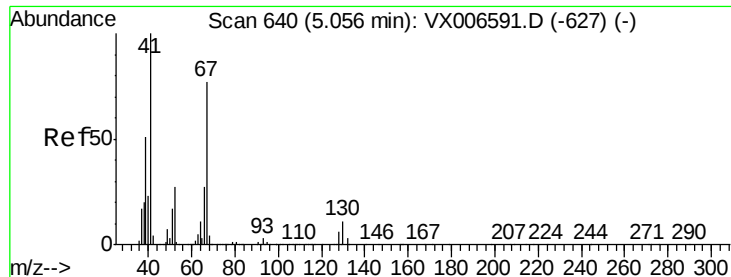
Tot Ion: 83 Resp: 500430
Ion Ratio Lower Upper
83 100
55 67.5 56.4 84.6
98 47.9 39.0 58.6



#40
Benzene
Concen: 48.026 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX006608.D
Acq: 18 Dec 2018 19:51

Tgt Ion: 78 Resp: 1164599
Ion Ratio Lower Upper
78 100
77 23.7 19.2 28.8





#41

Methacrylonitrile

Concen: 47.643 ug/l

RT: 5.06 min Scan# 641

Delta R.T. 0.01 min

Lab File: VX006608.D

Acq: 18 Dec 2018 19:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 222302

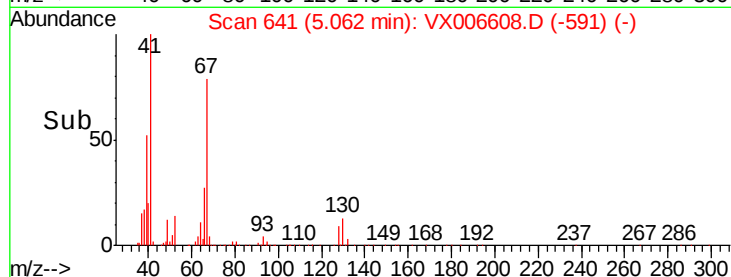
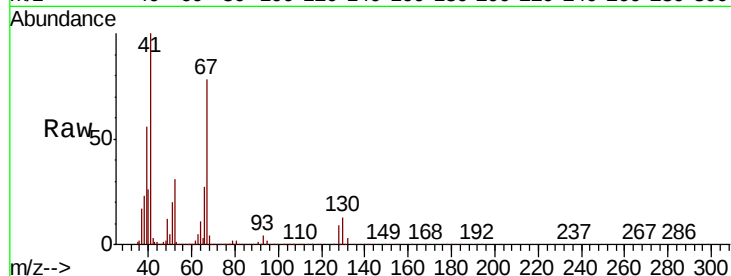
Ion Ratio Lower Upper

41 100

39 54.9 44.0 66.0

67 79.0 61.4 92.0

52 29.5 23.5 35.3

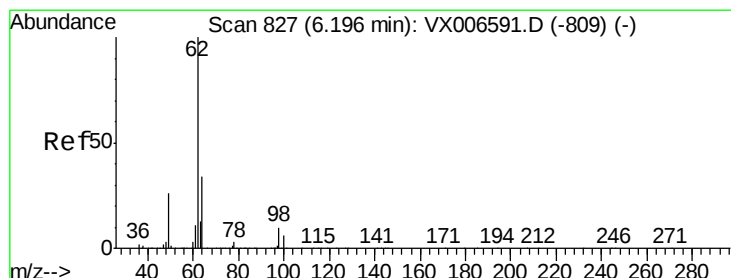
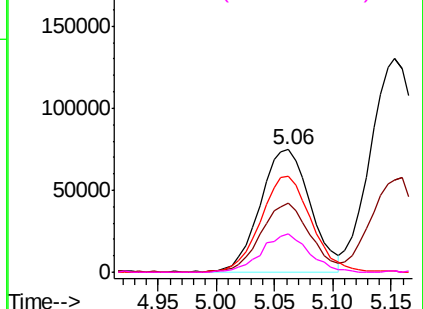


Abundance Ion 41.00 (40.70 to 41.70): VX0

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: 47.051 ug/l

RT: 6.20 min Scan# 827

Delta R.T. -0.00 min

Lab File: VX006608.D

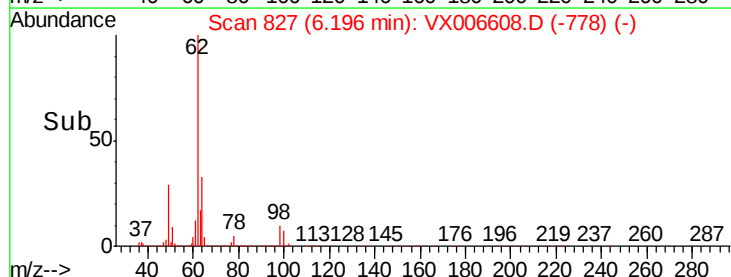
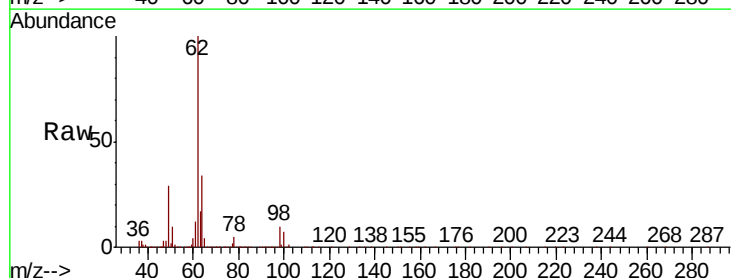
Acq: 18 Dec 2018 19:51

Tgt Ion: 62 Resp: 388787

Ion Ratio Lower Upper

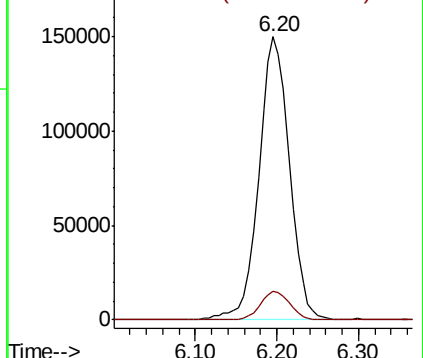
62 100

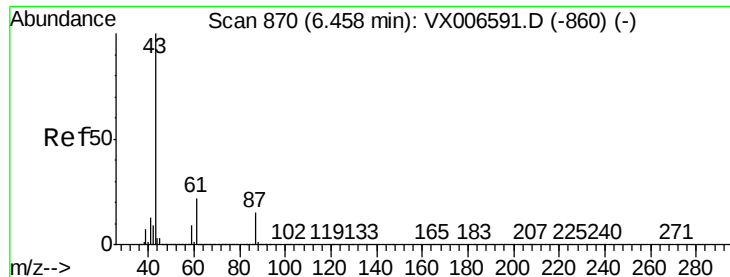
98 9.8 0.0 20.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



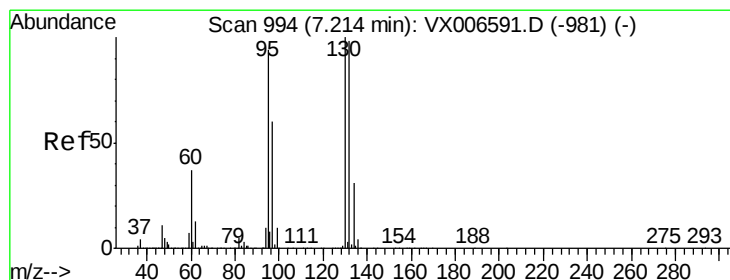
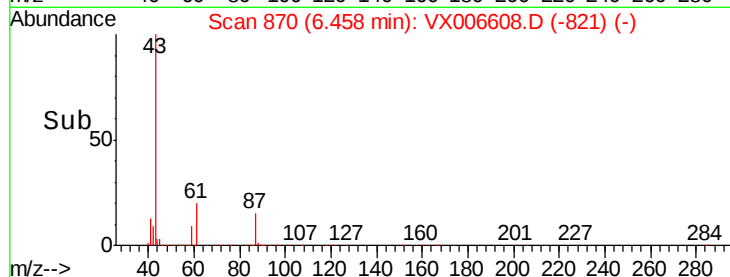
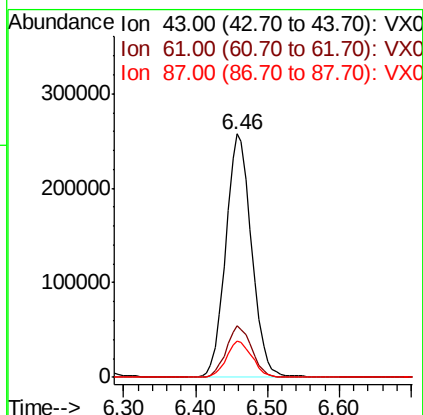
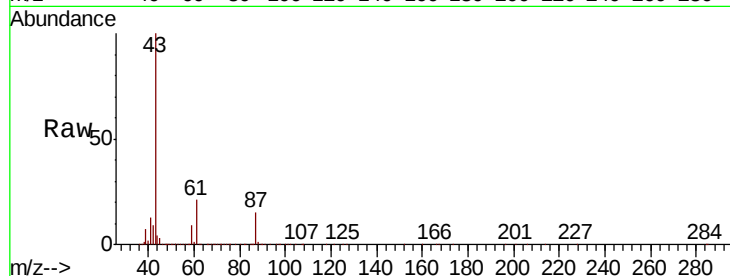


#43

Isopropyl Acetate
 Concen: 50.615 ug/l
 RT: 6.46 min Scan# 870
 Delta R.T. -0.00 min
 Lab File: VX006608.D
 Acq: 18 Dec 2018 19:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

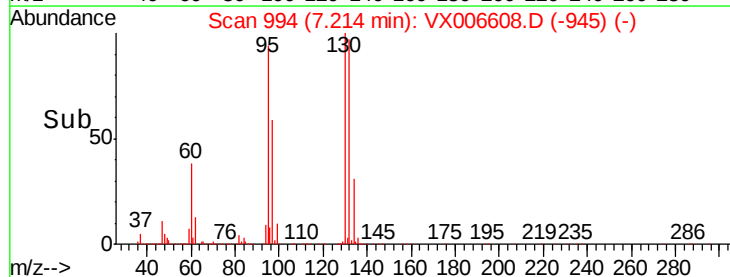
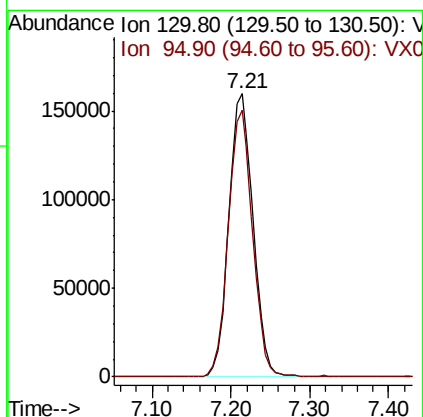
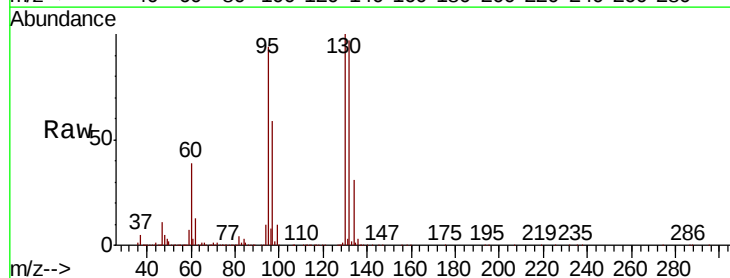
Tot Ion	43	Resp	639452
Ion Ratio	Lower	Upper	
43	100		
61	20.9	16.8	25.2
87	14.9	11.9	17.9

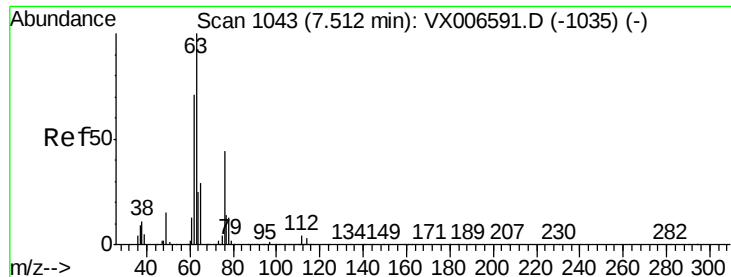


#44

Trichloroethene
 Concen: 46.665 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX006608.D
 Acq: 18 Dec 2018 19:51

Tgt Ion	130	Resp	342499
Ion Ratio	Lower	Upper	
130	100		
95	94.5	0.0	175.8





#45

1,2-Dichloropropane

Concen: 48.207 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. 0.01 min

Lab File: VX006608.D

Acq: 18 Dec 2018 19:51

Instrument :

MSVOA_X

ClientSampleId :

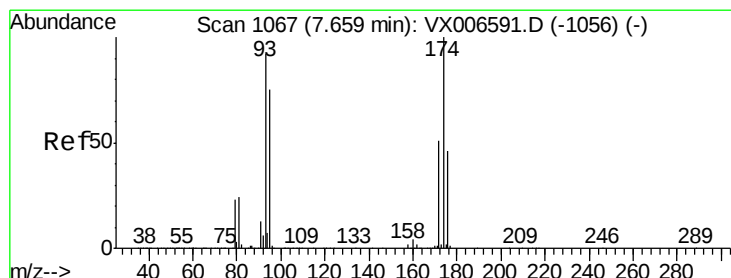
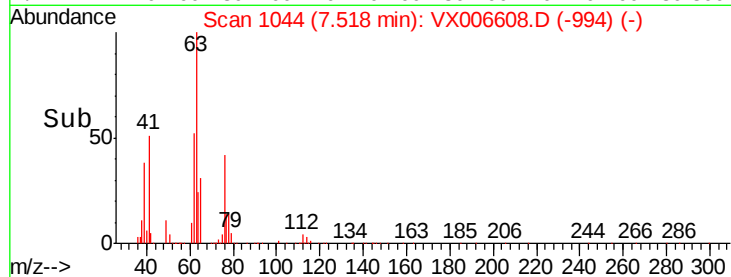
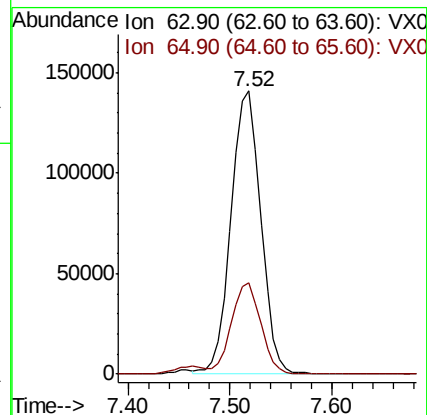
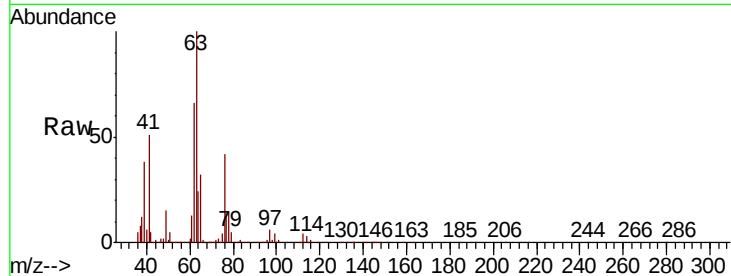
VSTDCCC050EC

Tot Ion: 63 Resp: 284474

Ion Ratio Lower Upper

63 100

65 32.1 24.3 36.5



#46

Dibromomethane

Concen: 47.972 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. 0.01 min

Lab File: VX006608.D

Acq: 18 Dec 2018 19:51

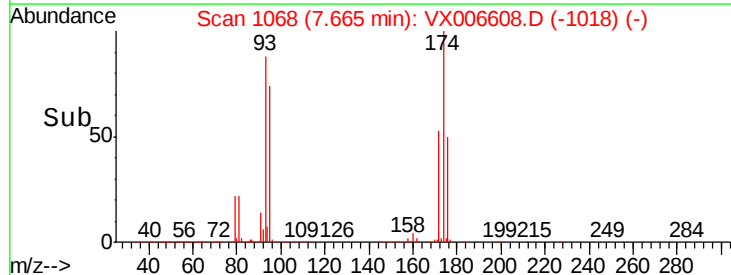
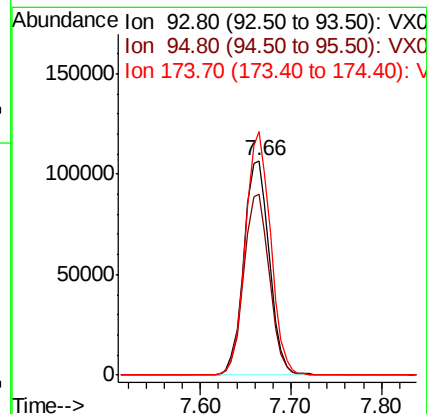
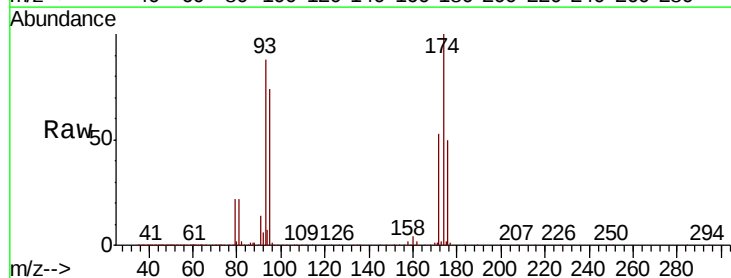
Tgt Ion: 93 Resp: 208225

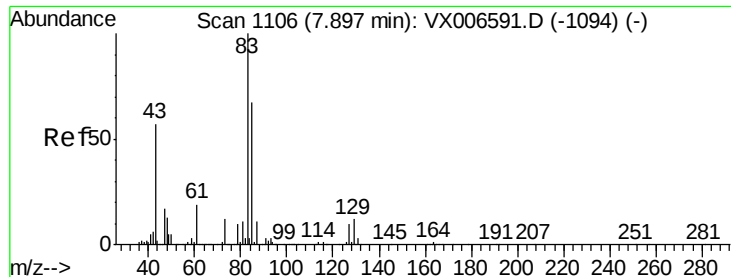
Ion Ratio Lower Upper

93 100

95 84.9 66.2 99.4

174 112.4 97.2 145.8





#47

Bromodichloromethane

Concen: 49.399 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX006608.D

Acq: 18 Dec 2018 19:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

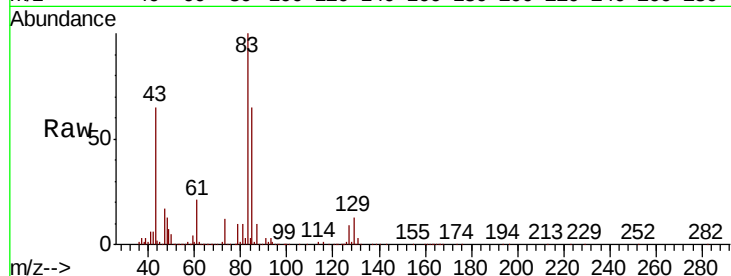
Tot Ion: 83 Resp: 355979

Ion Ratio Lower Upper

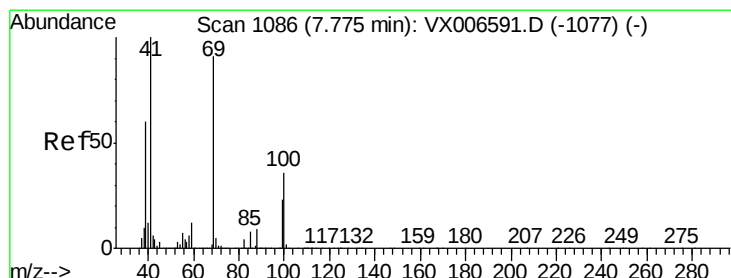
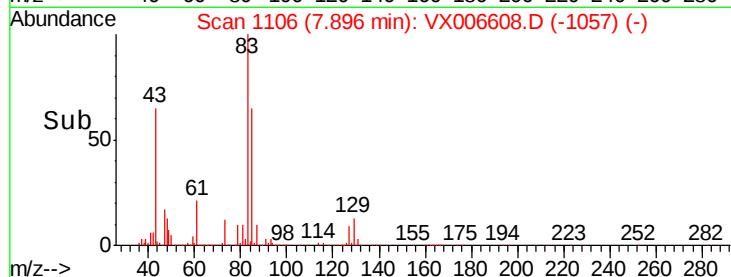
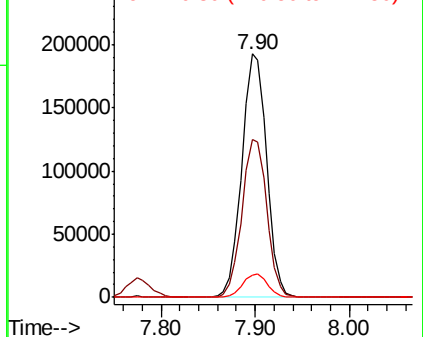
83 100

85 64.7 51.4 77.0

127 9.3 7.9 11.9



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: 50.983 ug/l

RT: 7.77 min Scan# 1086

Delta R.T. -0.00 min

Lab File: VX006608.D

Acq: 18 Dec 2018 19:51

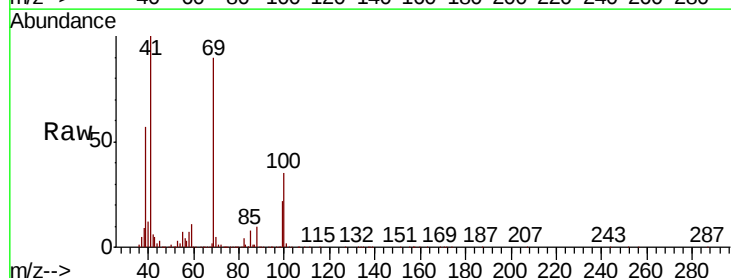
Tgt Ion: 41 Resp: 327545

Ion Ratio Lower Upper

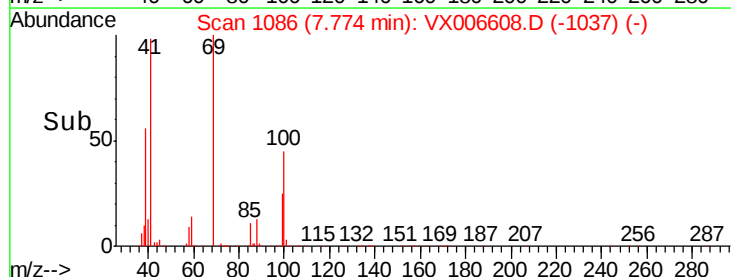
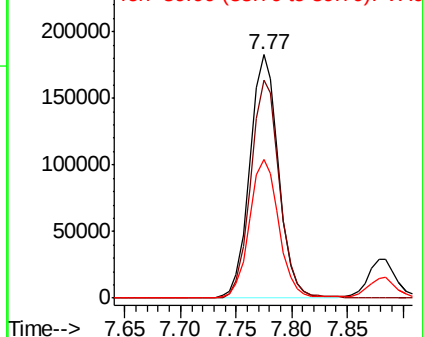
41 100

69 90.2 70.3 105.5

39 58.0 45.3 67.9



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: 1027.750 ug/l

RT: 7.75 min Scan# 1082

Delta R.T. 0.00 min

Lab File: VX006608.D

Acq: 18 Dec 2018 19:51

Instrument :

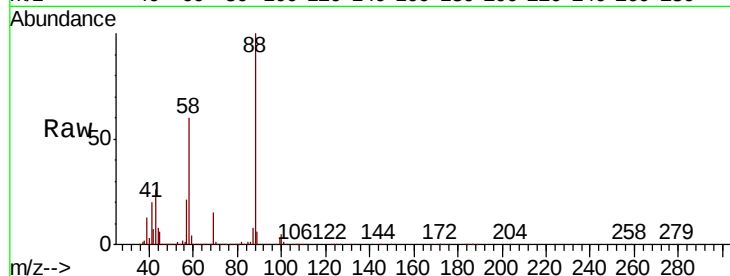
MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 88 Resp: 172669

Ion	Ratio	Lower	Upper
88	100		
43	27.8	23.2	34.8
58	63.7	51.4	77.0

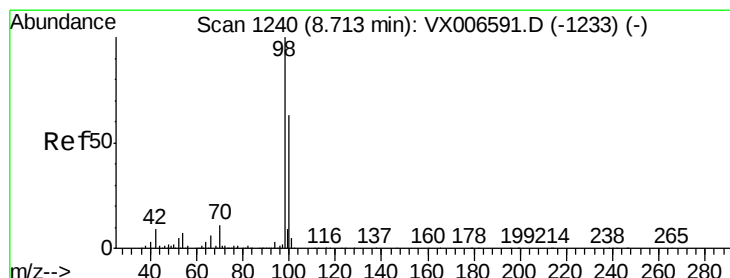
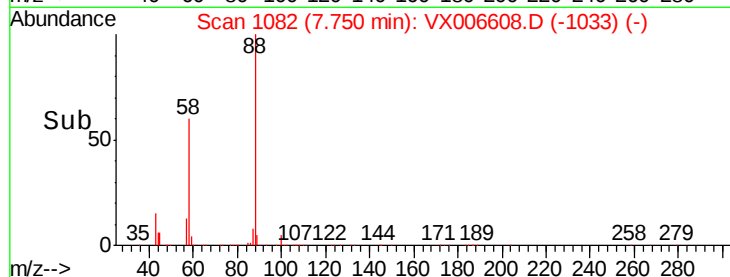
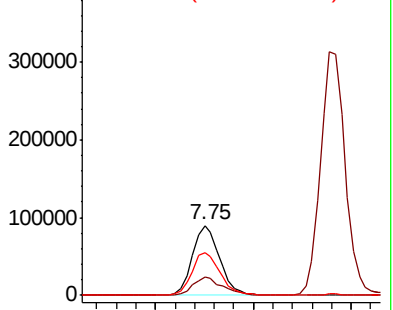


Abundance

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: 48.189 ug/l

RT: 8.71 min Scan# 1240

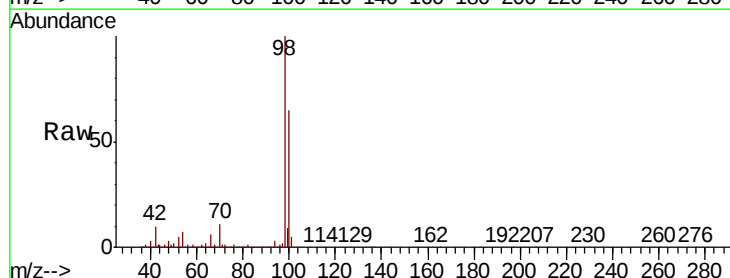
Delta R.T. -0.00 min

Lab File: VX006608.D

Acq: 18 Dec 2018 19:51

Tgt Ion: 98 Resp: 1106598

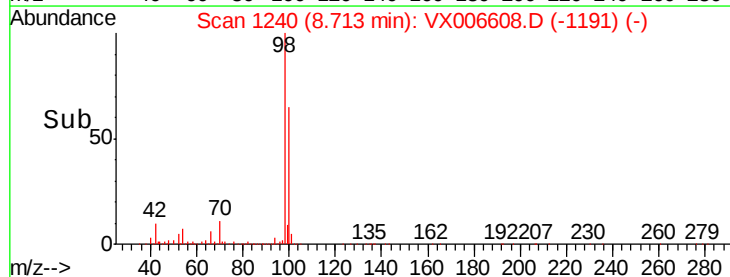
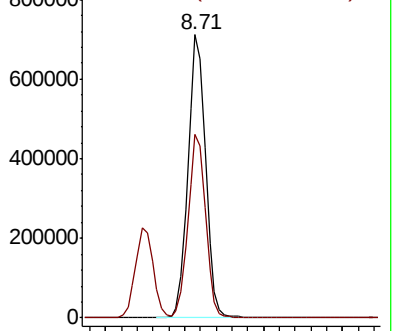
Ion	Ratio	Lower	Upper
98	100		
100	64.9	52.2	78.2

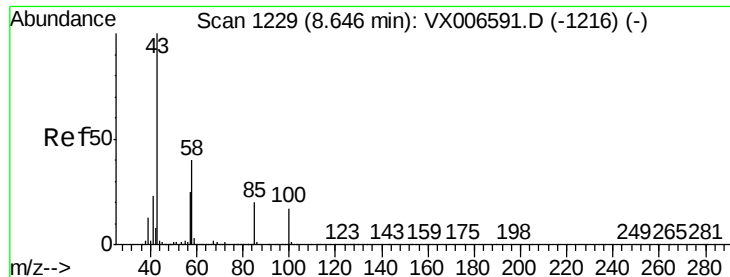


Abundance

Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 258.348 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.00 min

Lab File: VX006608.D

Acq: 18 Dec 2018 19:51

Instrument :

MSVOA_X

ClientSampleId :

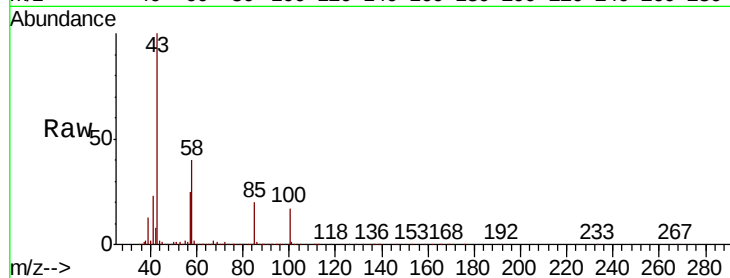
VSTDCCC050EC

Tot Ion: 43 Resp: 2076727

Ion Ratio Lower Upper

43 100

58 39.9 31.3 46.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

1500000

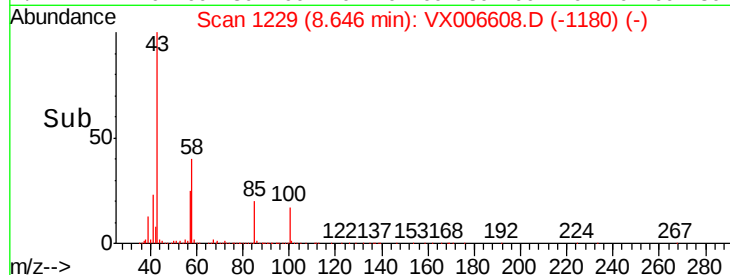
1000000

500000

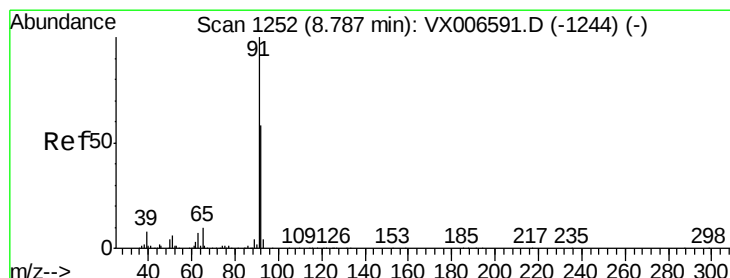
0

8.65

8.60 8.70 8.80



Time-->



#52

Toluene

Concen: 49.221 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX006608.D

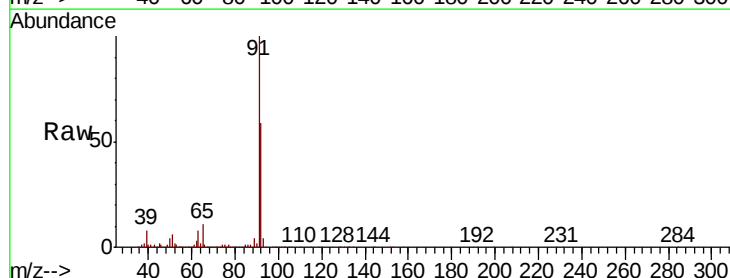
Acq: 18 Dec 2018 19:51

Tgt Ion: 92 Resp: 771101

Ion Ratio Lower Upper

92 100

91 172.2 139.2 208.8



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

1000000

800000

600000

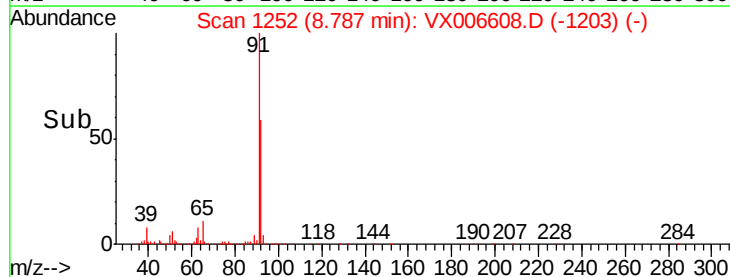
400000

200000

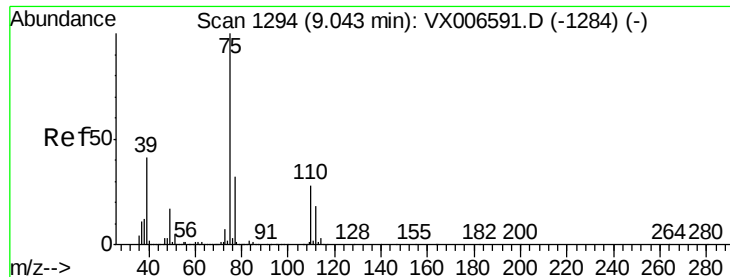
0

8.79

8.70 8.80 8.90



Time-->



#53

t-1,3-Dichloropropene

Concen: 50.599 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX006608.D

Acq: 18 Dec 2018 19:51

Instrument :

MSVOA_X

ClientSampleId :

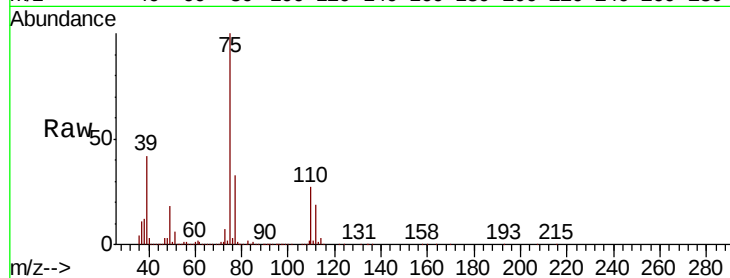
VSTDCCC050EC

Tot Ion: 75 Resp: 391063

Ion Ratio Lower Upper

75 100

77 32.5 25.0 37.4



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

9.04

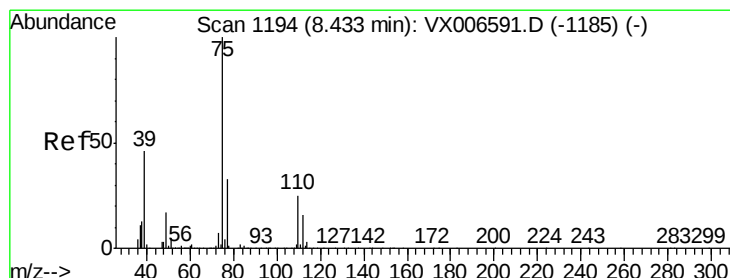
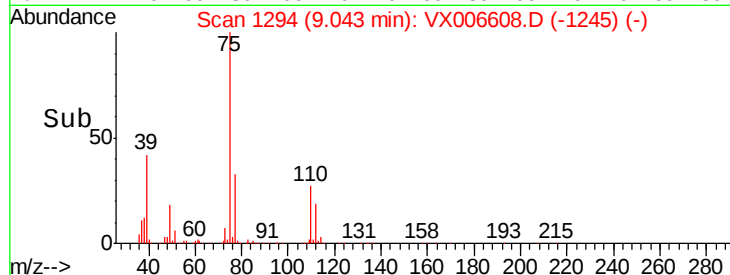
300000

200000

100000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 51.814 ug/l

RT: 8.44 min Scan# 1195

Delta R.T. 0.01 min

Lab File: VX006608.D

Acq: 18 Dec 2018 19:51

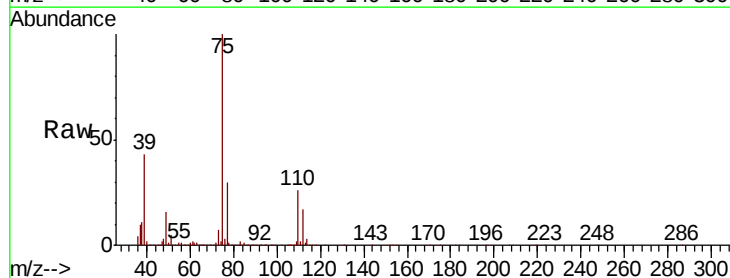
Tgt Ion: 75 Resp: 439398

Ion Ratio Lower Upper

75 100

77 30.4 25.6 38.4

39 43.1 36.5 54.7



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

8.44

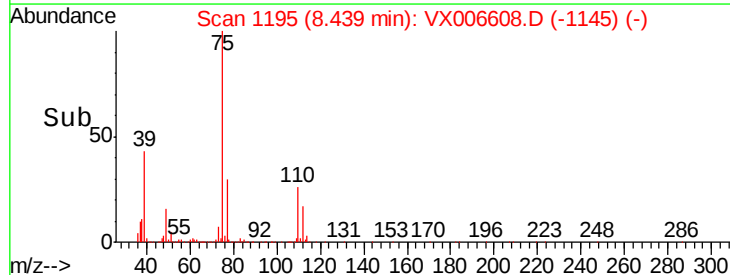
300000

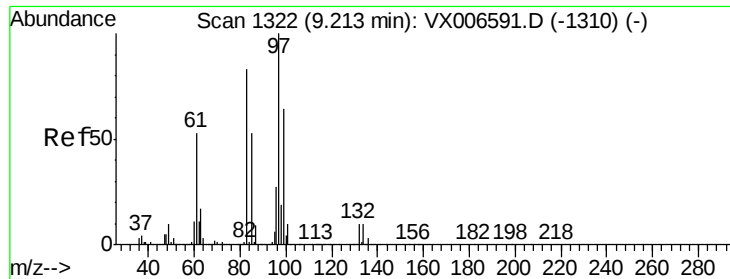
200000

100000

0

Time-->

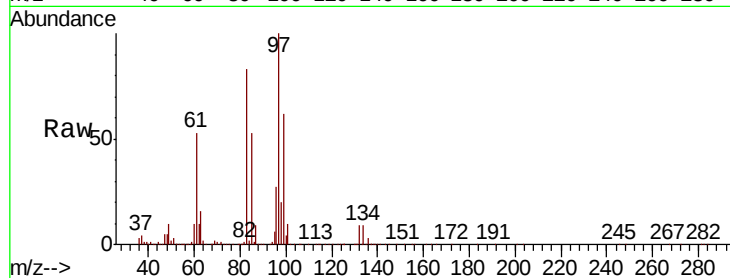




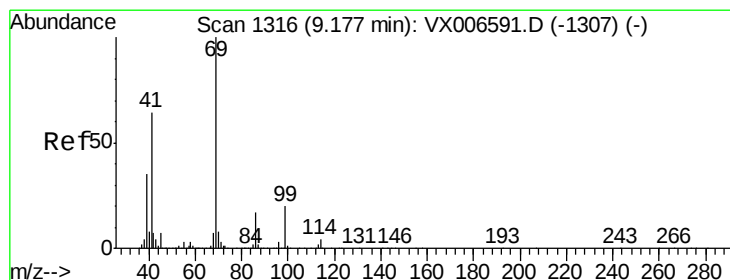
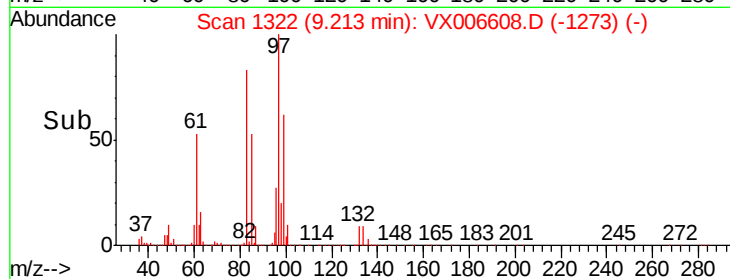
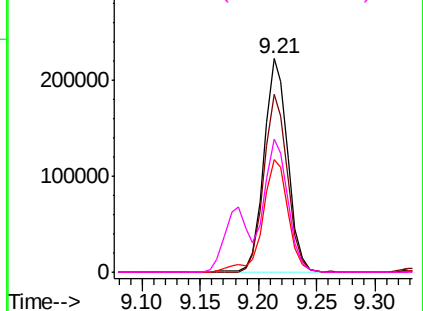
#55
 1,1,2-Trichloroethane
 Concen: 49.439 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX006608.D
 Acq: 18 Dec 2018 19:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 97 Resp: 317020
 Ion Ratio Lower Upper
 97 100
 83 83.2 67.1 100.7
 85 52.9 43.2 64.8
 99 62.2 49.8 74.6

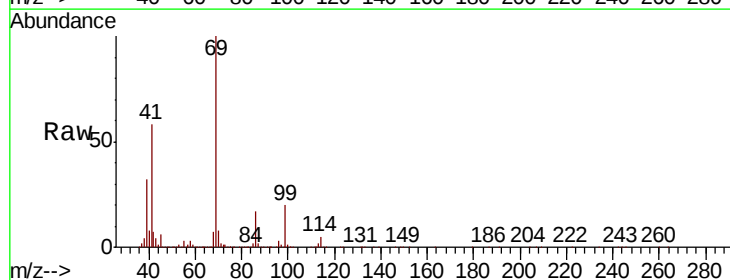


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

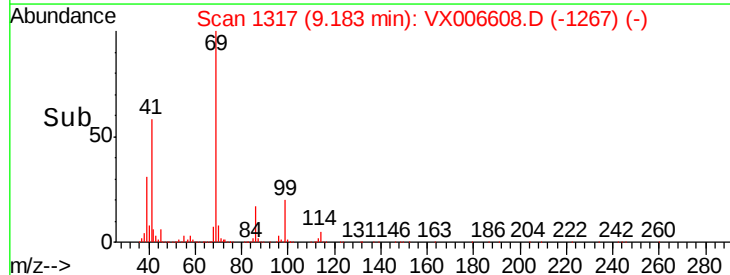
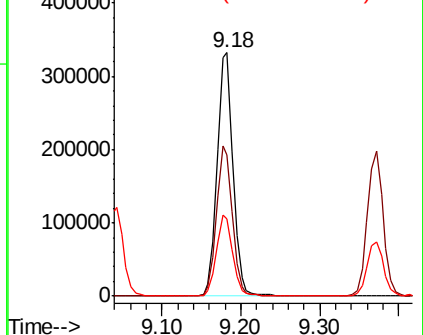


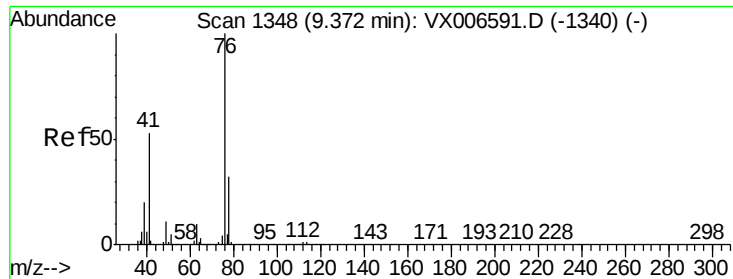
#56
 Ethyl methacrylate
 Concen: 51.673 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. 0.01 min
 Lab File: VX006608.D
 Acq: 18 Dec 2018 19:51

Tgt Ion: 69 Resp: 468313
 Ion Ratio Lower Upper
 69 100
 41 61.4 50.6 76.0
 39 34.0 27.6 41.4



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





#57

1,3-Dichloropropane

Concen: 48.396 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX006608.D

Acq: 18 Dec 2018 19:51

Instrument :

MSVOA_X

ClientSampleId :

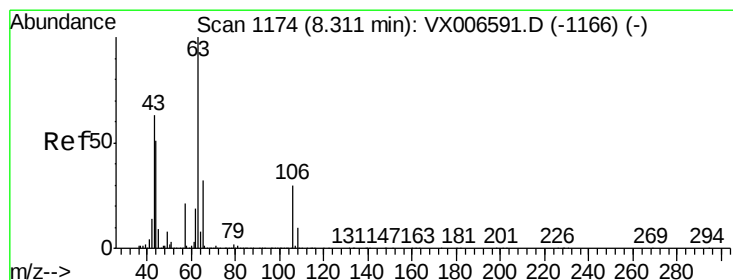
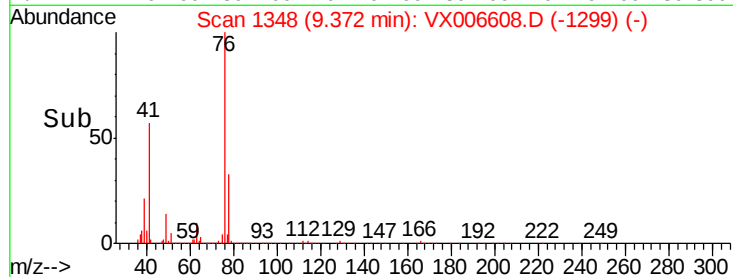
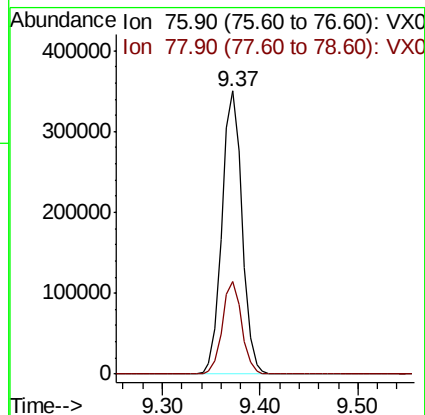
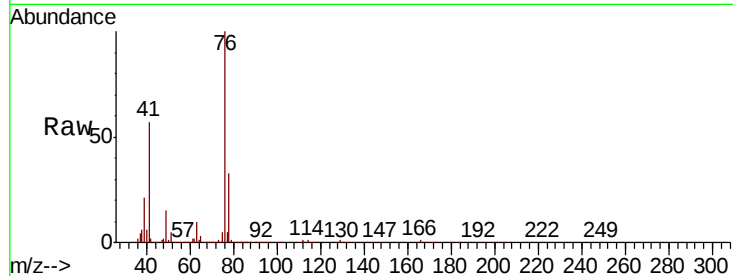
VSTDCCC050EC

Tot Ion: 76 Resp: 499290

Ion Ratio Lower Upper

76 100

78 31.7 26.1 39.1



#58

2-Chloroethyl Vinyl ether

Concen: 248.727 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX006608.D

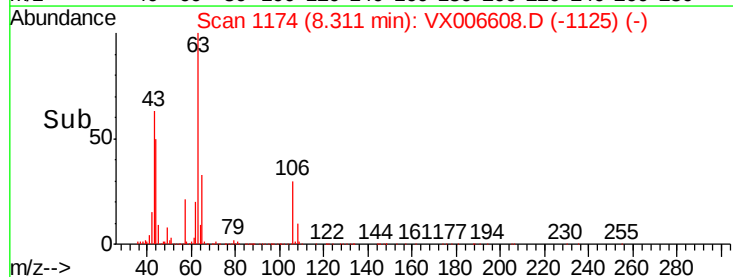
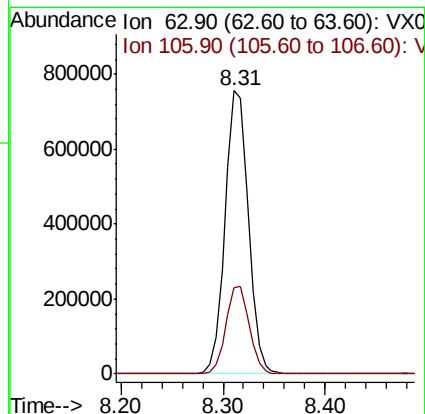
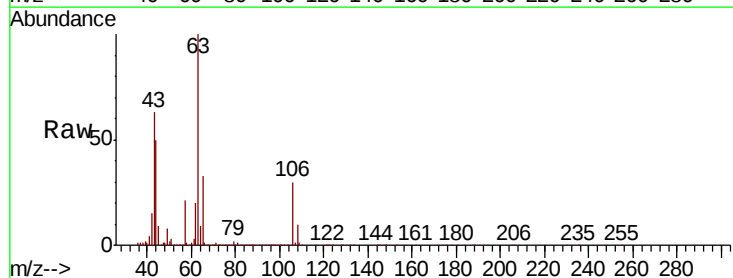
Acq: 18 Dec 2018 19:51

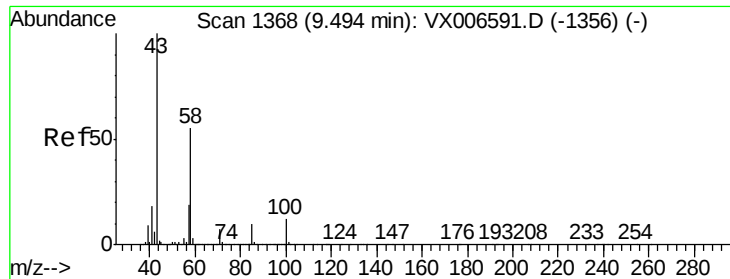
Tgt Ion: 63 Resp: 1198280

Ion Ratio Lower Upper

63 100

106 31.0 24.9 37.3

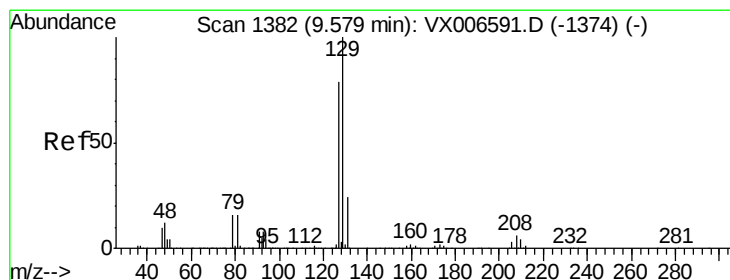
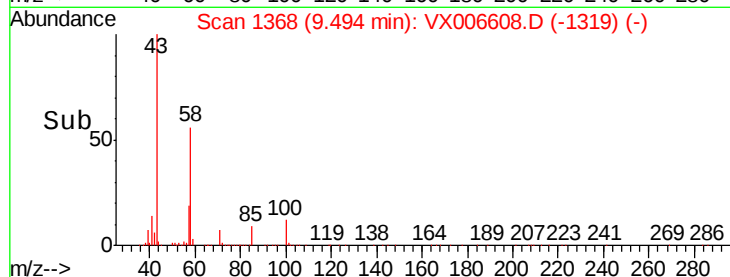
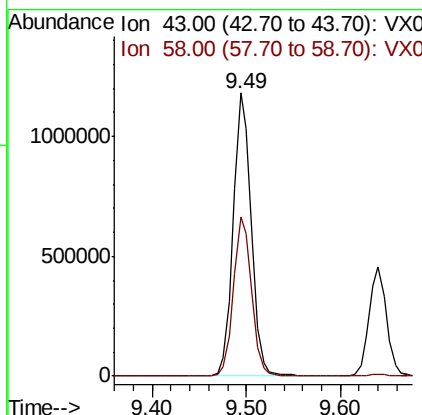
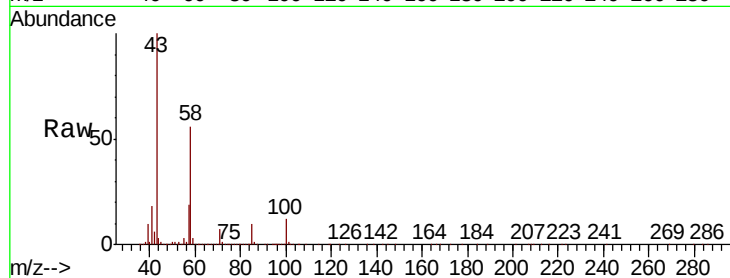




#59
2-Hexanone
Concen: 254.193 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.00 min
Lab File: VX006608.D
Acq: 18 Dec 2018 19:51

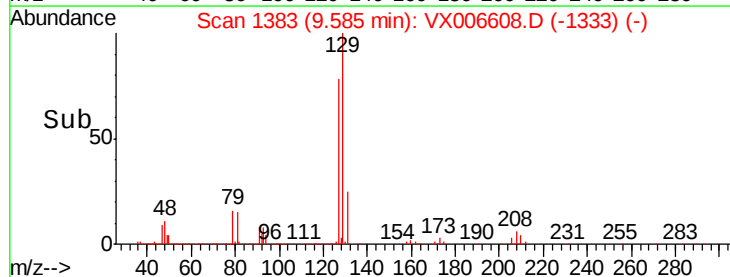
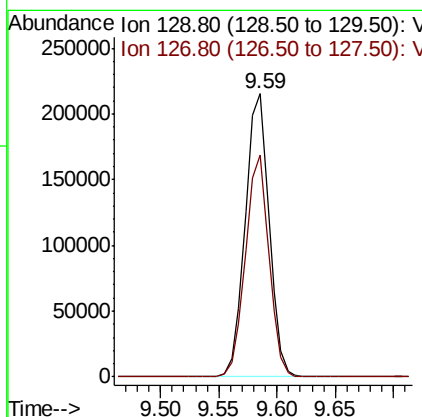
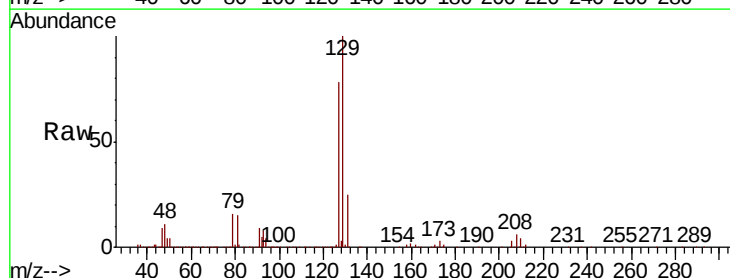
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

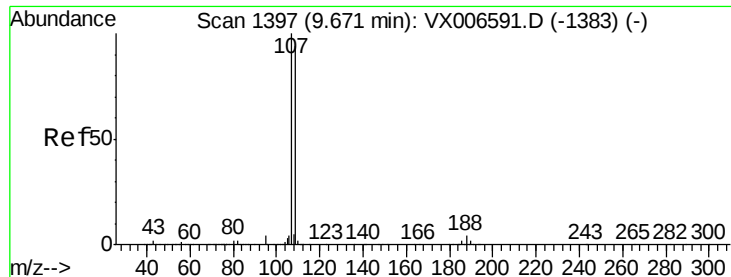
Tot Ion: 43 Resp: 1563385
Ion Ratio Lower Upper
43 100
58 56.6 27.7 83.1



#60
Dibromochloromethane
Concen: 46.495 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.01 min
Lab File: VX006608.D
Acq: 18 Dec 2018 19:51

Tgt Ion:129 Resp: 310682
Ion Ratio Lower Upper
129 100
127 77.0 38.6 115.8





#61

1,2-Dibromoethane

Concen: 50.240 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX006608.D

Acq: 18 Dec 2018 19:51

Instrument :

MSVOA_X

ClientSampleId :

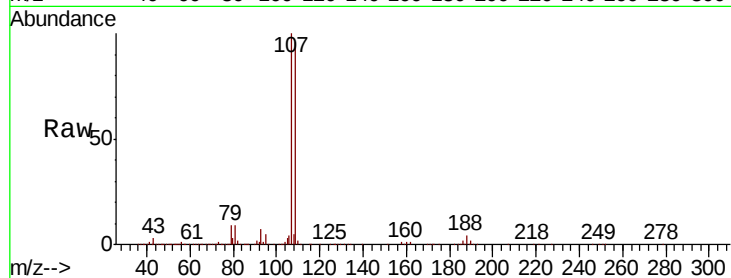
VSTDCCC050EC

Tot Ion:107 Resp: 342462

Ion Ratio Lower Upper

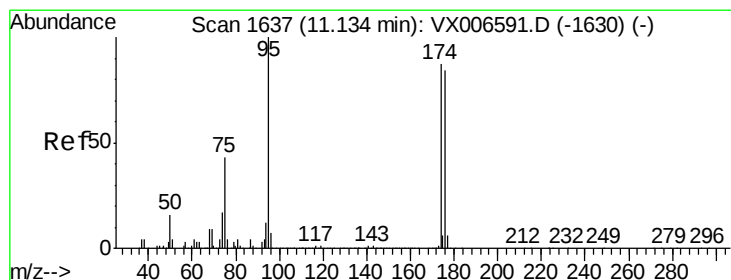
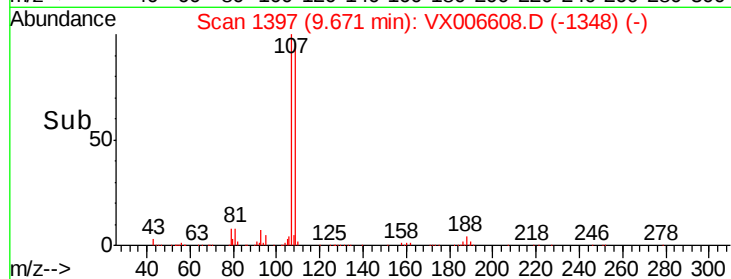
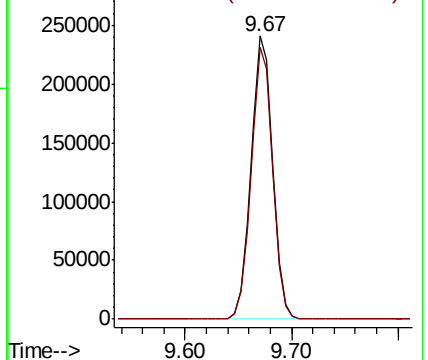
107 100

109 95.3 76.3 114.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 49.832 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.01 min

Lab File: VX006608.D

Acq: 18 Dec 2018 19:51

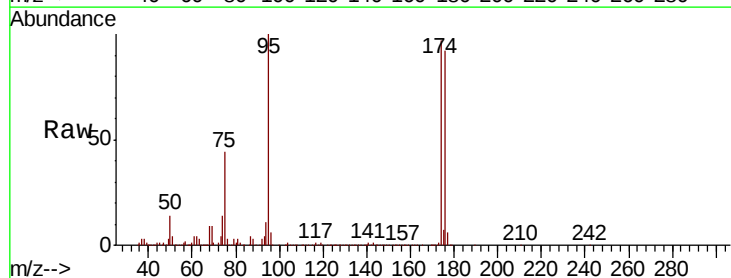
Tgt Ion: 95 Resp: 419103

Ion Ratio Lower Upper

95 100

174 90.9 0.0 187.0

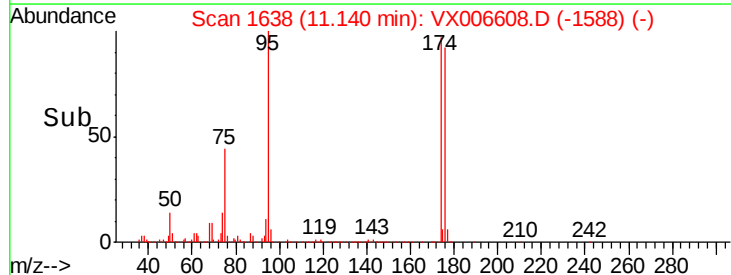
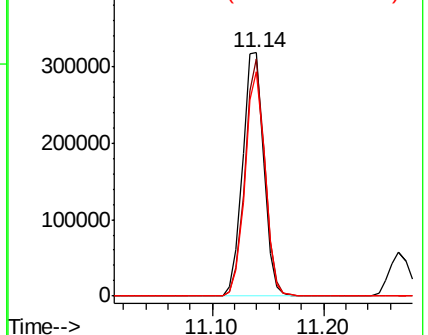
176 87.5 0.0 181.8

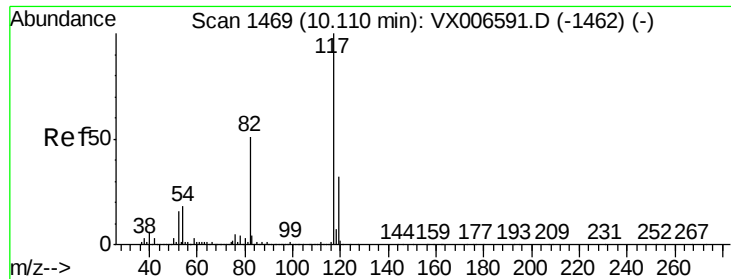


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

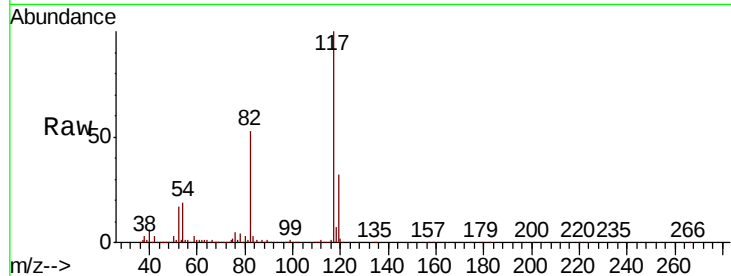




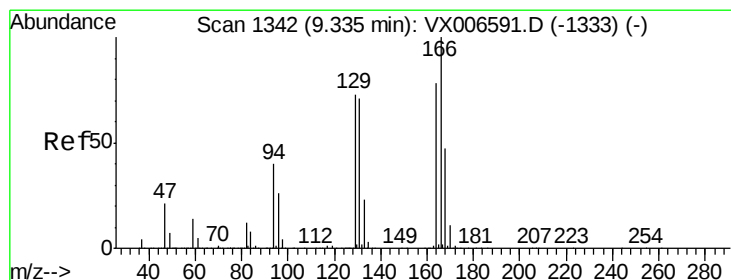
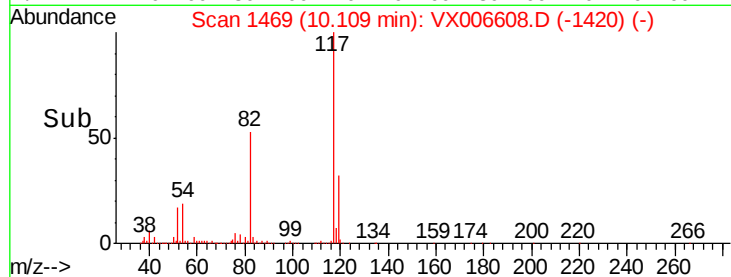
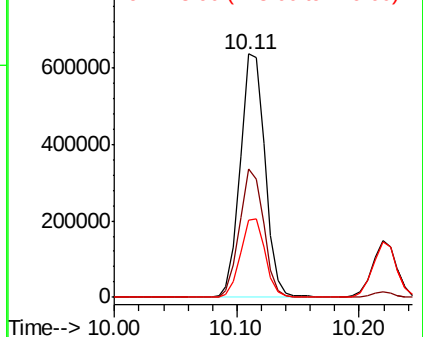
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX006608.D
Acq: 18 Dec 2018 19:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:117 Resp: 892017
Ion Ratio Lower Upper
117 100
82 52.8 39.6 59.4
119 31.9 26.3 39.5

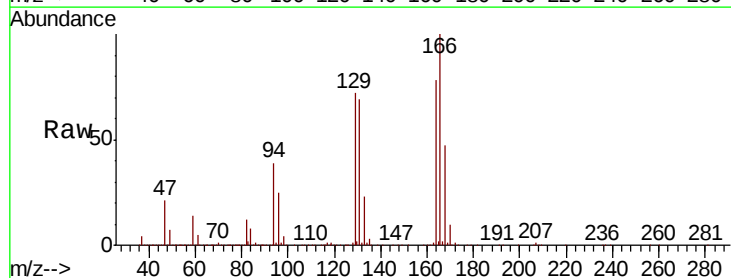


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

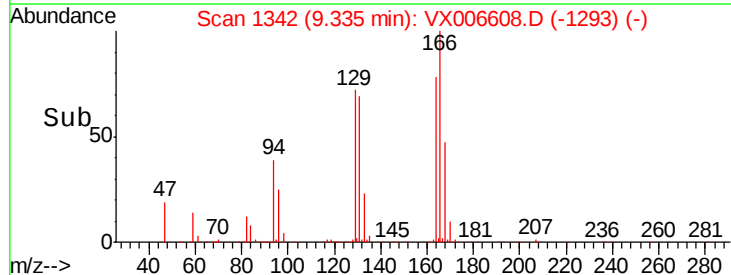
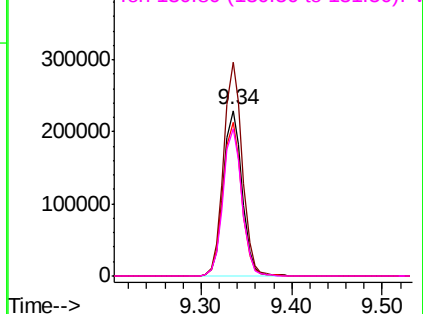


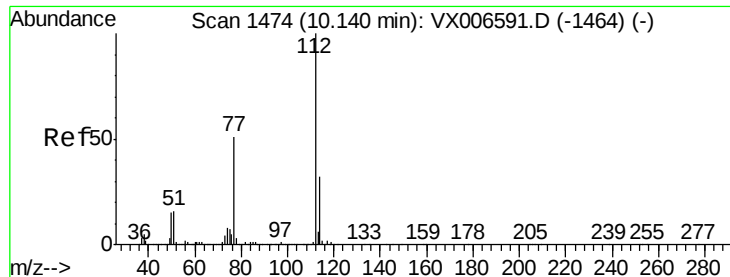
#64
Tetrachloroethene
Concen: 46.992 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX006608.D
Acq: 18 Dec 2018 19:51

Tgt Ion:164 Resp: 331923
Ion Ratio Lower Upper
164 100
166 128.9 104.2 156.2
129 92.8 72.6 108.8
131 88.8 70.3 105.5



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

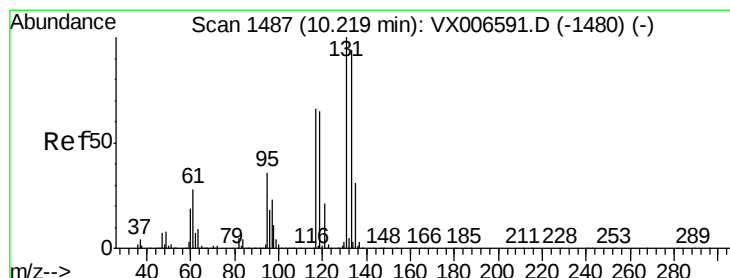
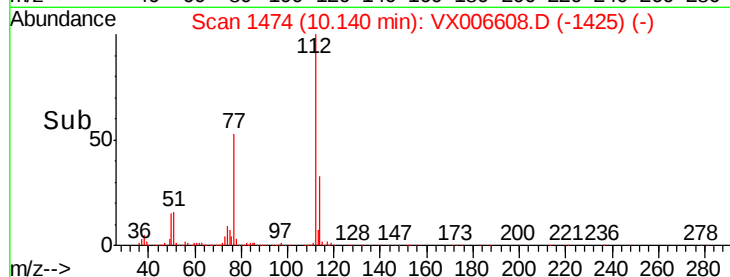
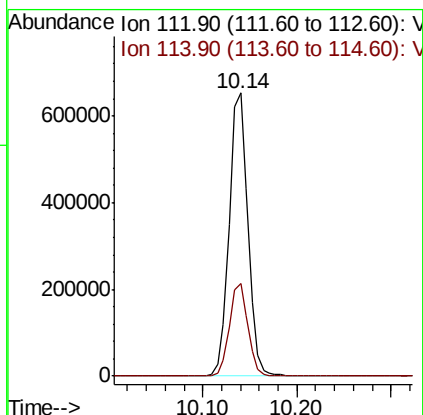
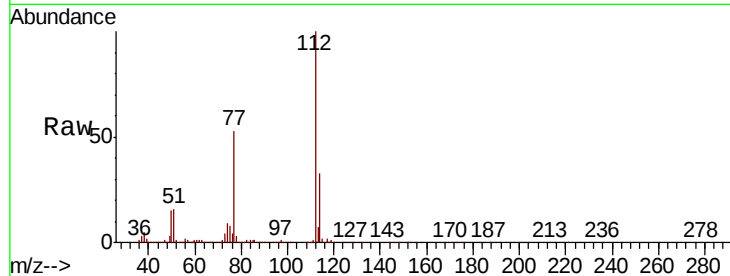




#65
Chlorobenzene
Concen: 47.715 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX006608.D
Acq: 18 Dec 2018 19:51

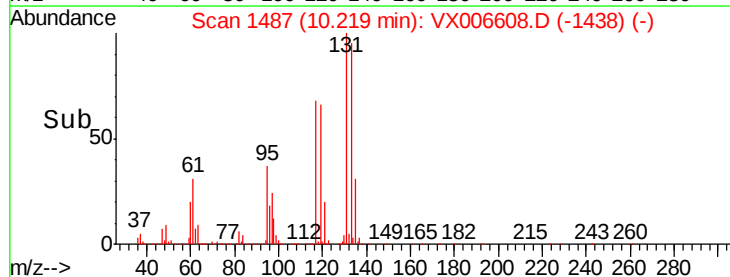
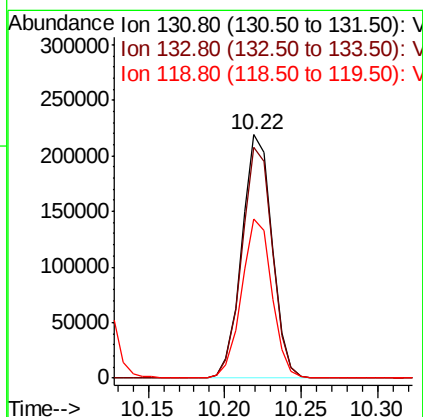
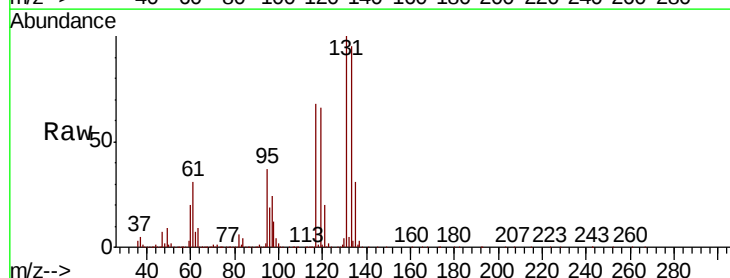
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

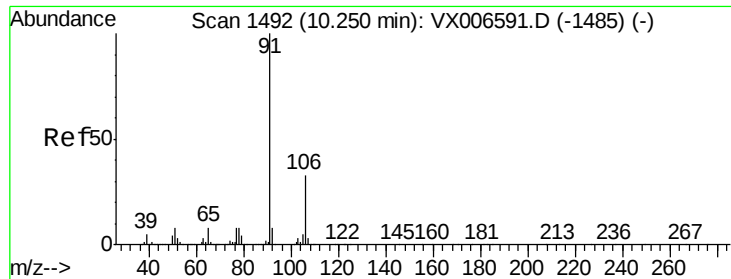
Tot Ion:112 Resp: 900450
Ion Ratio Lower Upper
112 100
114 32.8 25.4 38.2



#66
1,1,1,2-Tetrachloroethane
Concen: 51.136 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX006608.D
Acq: 18 Dec 2018 19:51

Tgt Ion:131 Resp: 301082
Ion Ratio Lower Upper
131 100
133 95.4 48.1 144.4
119 65.1 32.1 96.3





#67

Ethyl Benzene

Concen: 48.074 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX006608.D

Acq: 18 Dec 2018 19:51

Instrument :

MSVOA_X

ClientSampleId :

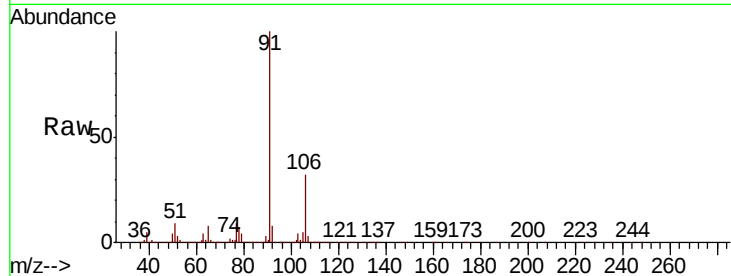
VSTDCCC050EC

Tot Ion: 91 Resp: 1482465

Ion Ratio Lower Upper

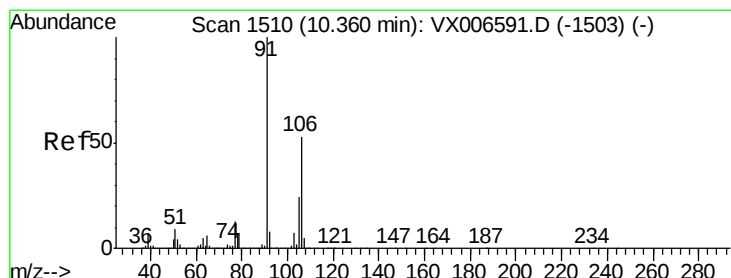
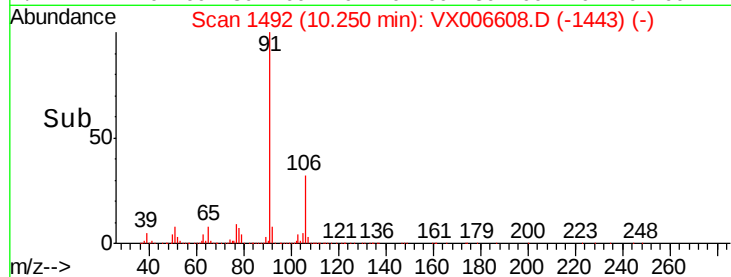
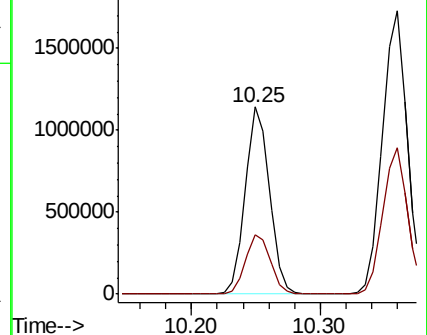
91 100

106 31.8 26.5 39.7



Abundance Ion 91.00 (90.70 to 91.70): VX006591.D (-1485) (-)

Ion 106.00 (105.70 to 106.70): VX006591.D (-1485) (-)



#68

m/p-Xylenes

Concen: 97.436 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX006608.D

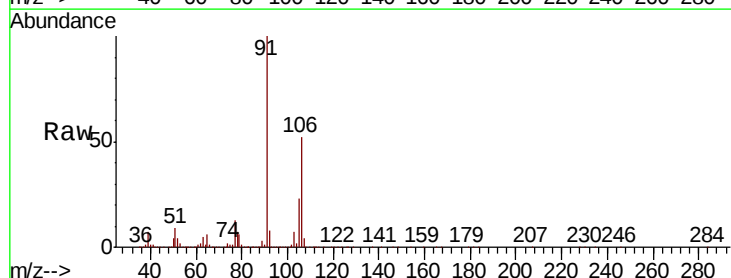
Acq: 18 Dec 2018 19:51

Tgt Ion: 106 Resp: 1185620

Ion Ratio Lower Upper

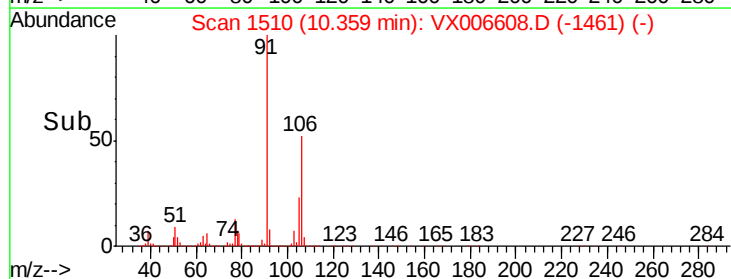
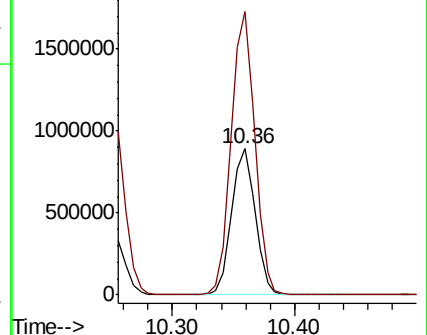
106 100

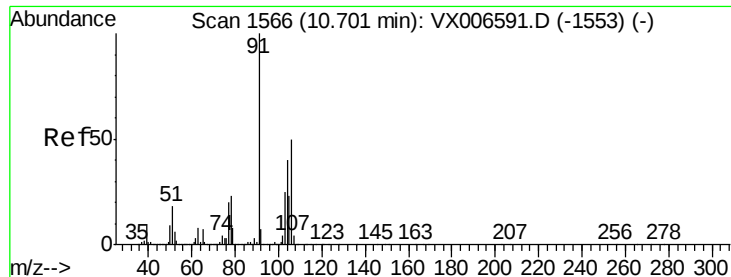
91 194.0 155.2 232.8



Abundance Ion 106.00 (105.70 to 106.70): VX006591.D (-1503) (-)

Ion 91.00 (90.70 to 91.70): VX006591.D (-1503) (-)

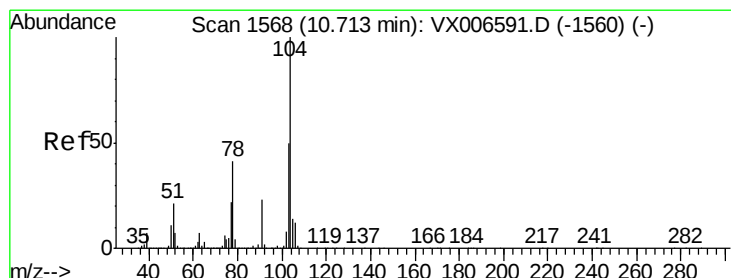
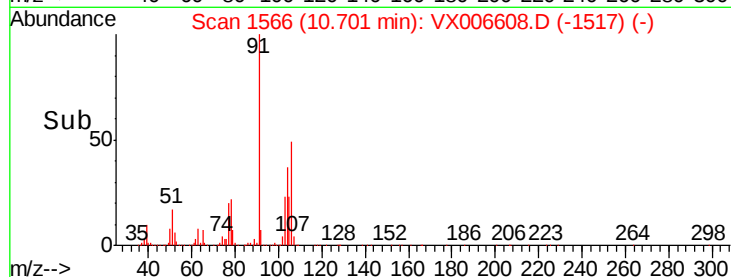
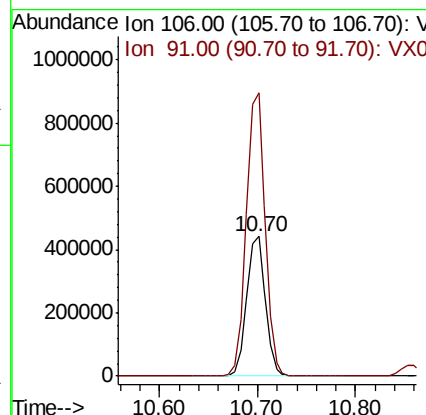
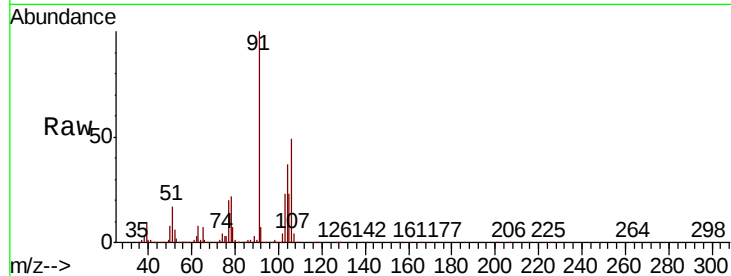




#69
o-Xylene
Concen: 48.835 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX006608.D
Acq: 18 Dec 2018 19:51

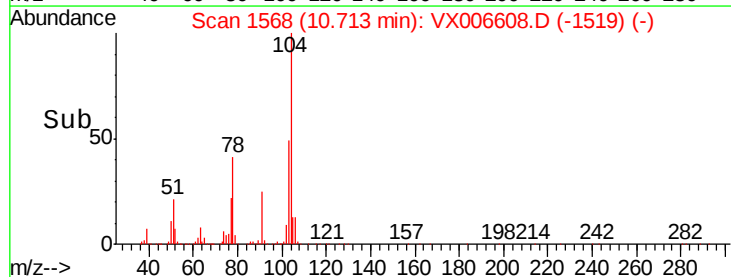
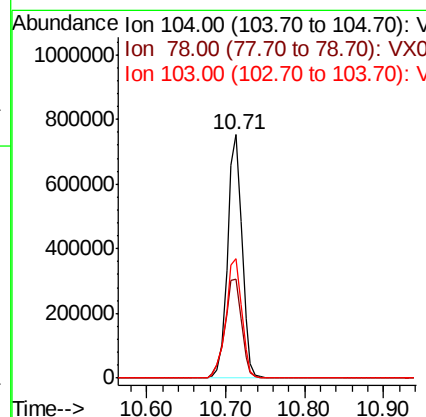
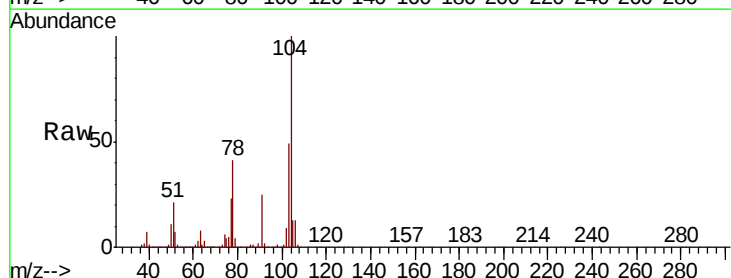
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

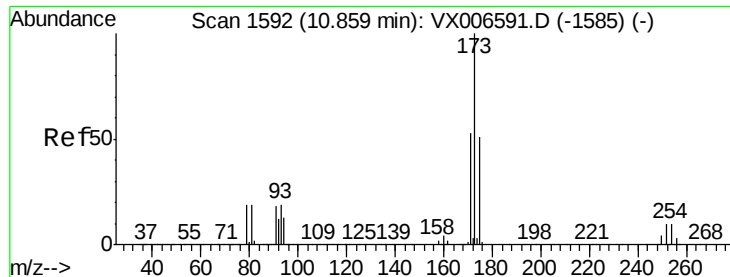
Tot Ion:106 Resp: 586801
Ion Ratio Lower Upper
106 100
91 203.8 101.8 305.6



#70
Styrene
Concen: 50.447 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX006608.D
Acq: 18 Dec 2018 19:51

Tgt Ion:104 Resp: 958985
Ion Ratio Lower Upper
104 100
78 47.2 37.2 55.8
103 54.4 43.5 65.3

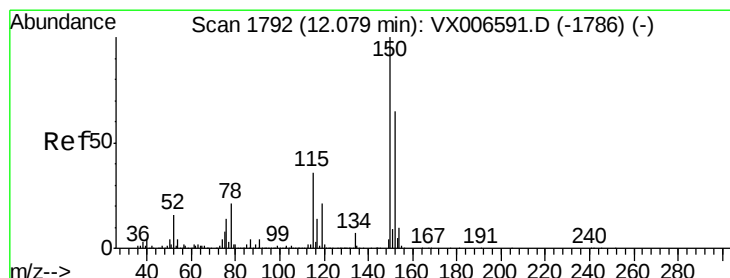
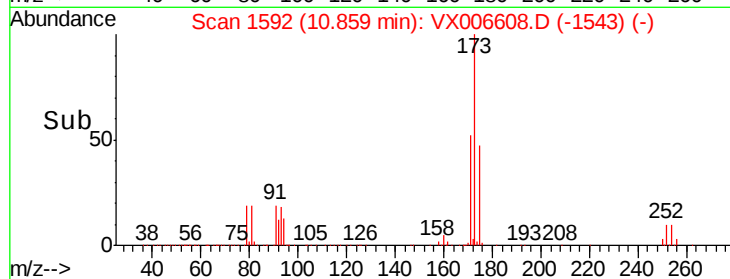
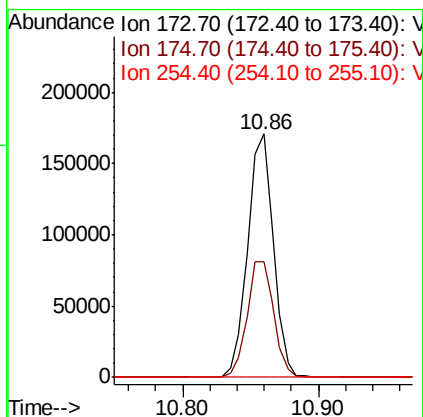
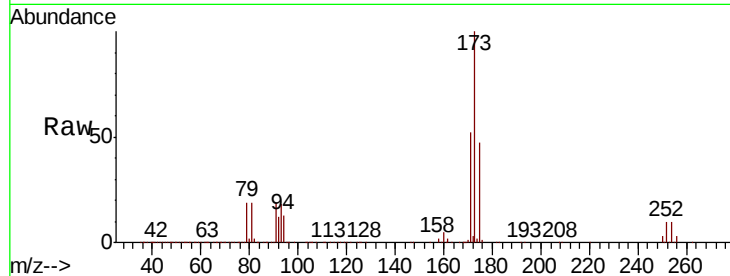




#71
Bromoform
Concen: 43.299 ug/l
RT: 10.86 min Scan# 1592
Delta R.T. 0.00 min
Lab File: VX006608.D
Acq: 18 Dec 2018 19:51

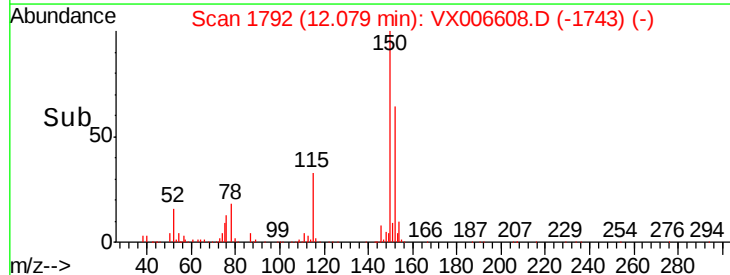
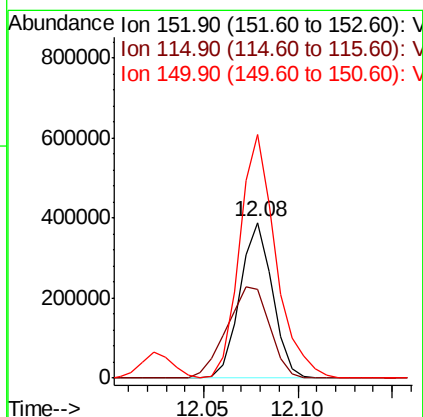
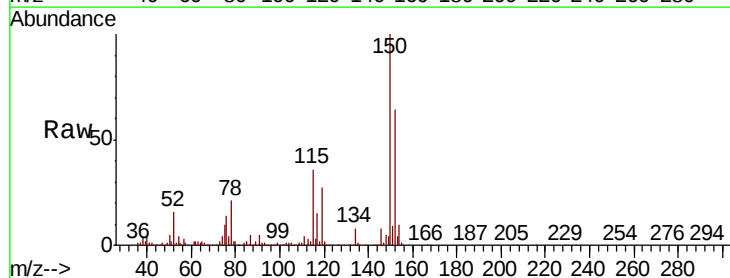
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

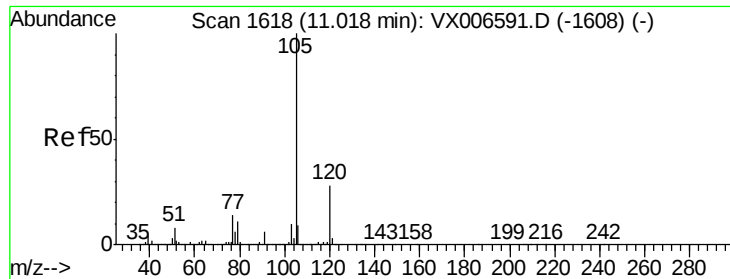
Tot Ion:173 Resp: 226470
Ion Ratio Lower Upper
173 100
175 49.3 24.6 73.8
254 0.1 0.2 0.2#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX006608.D
Acq: 18 Dec 2018 19:51

Tgt Ion:152 Resp: 463694
Ion Ratio Lower Upper
152 100
115 77.9 39.0 116.9
150 174.1 0.0 345.8





#73

Isopropylbenzene

Concen: 48.899 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX006608.D

Acq: 18 Dec 2018 19:51

Instrument :

MSVOA_X

ClientSampleId :

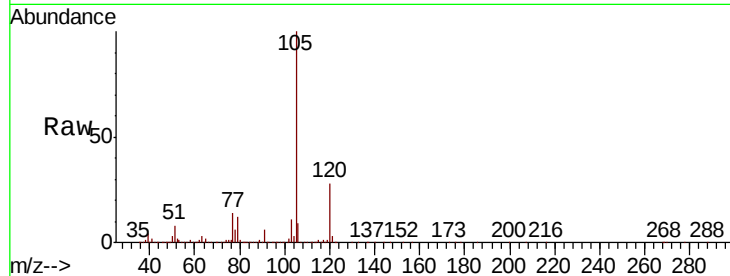
VSTDCCC050EC

Tot Ion:105 Resp: 1551197

Ion Ratio Lower Upper

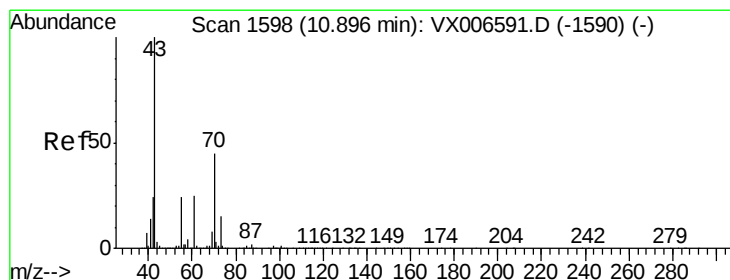
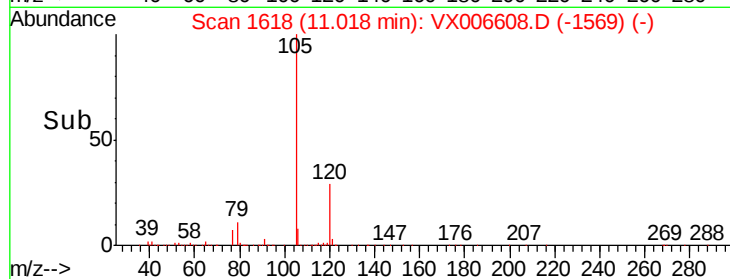
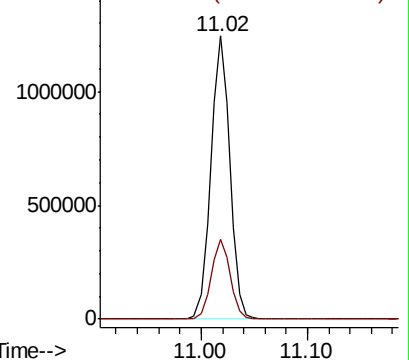
105 100

120 28.1 14.1 42.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 51.257 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX006608.D

Acq: 18 Dec 2018 19:51

Tgt Ion: 43 Resp: 582012

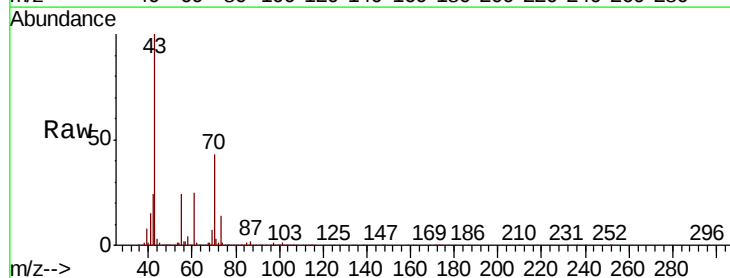
Ion Ratio Lower Upper

43 100

70 44.4 34.1 51.1

55 24.3 17.8 26.8

61 25.0 19.7 29.5

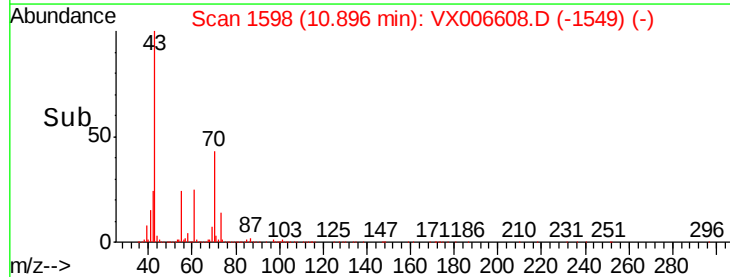
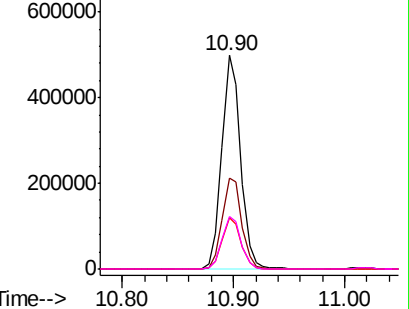


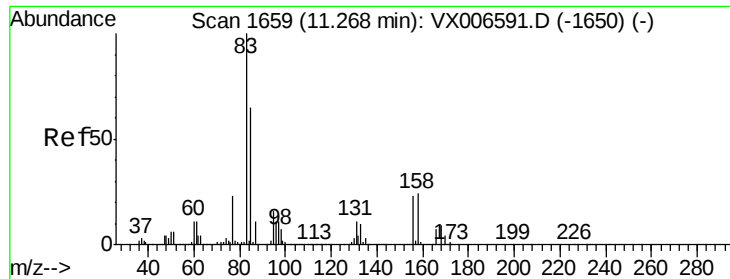
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 49.896 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX006608.D

Acq: 18 Dec 2018 19:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

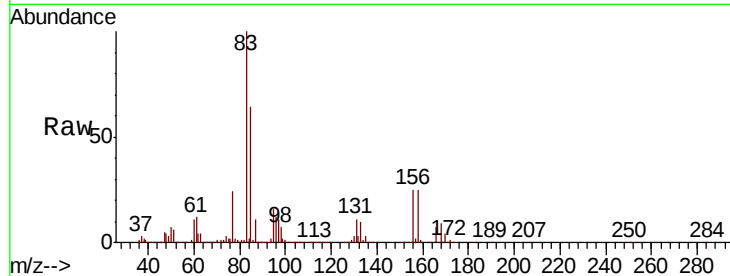
Tot Ion: 83 Resp: 470727

Ion Ratio Lower Upper

83 100

131 11.4 5.7 17.1

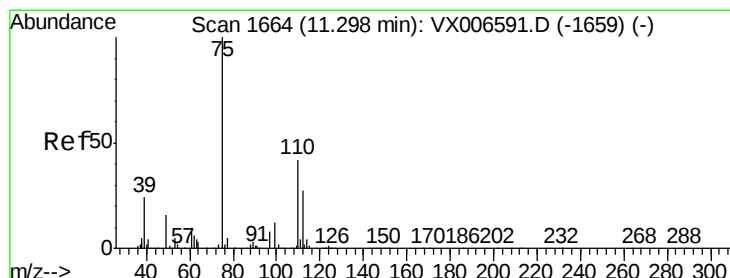
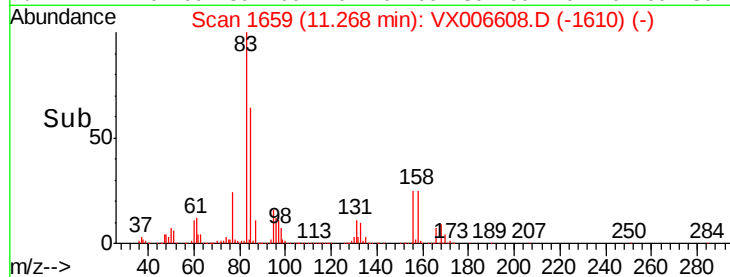
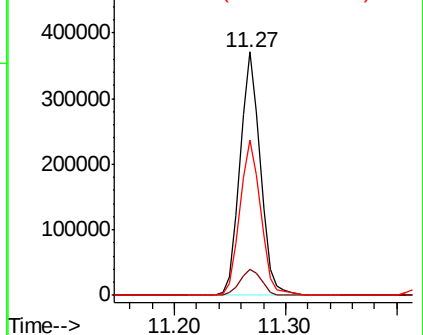
85 65.2 32.1 96.5



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: 65.267 ug/l

RT: 11.30 min Scan# 1664

Delta R.T. -0.00 min

Lab File: VX006608.D

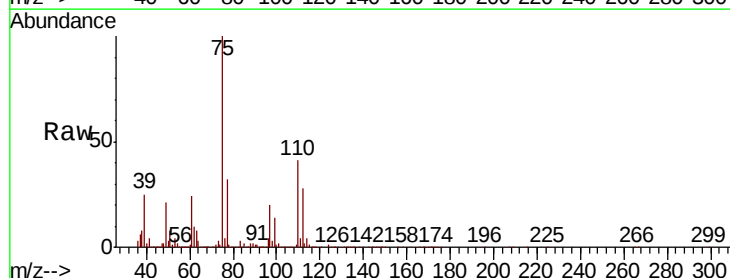
Acq: 18 Dec 2018 19:51

Tgt Ion: 75 Resp: 530424

Ion Ratio Lower Upper

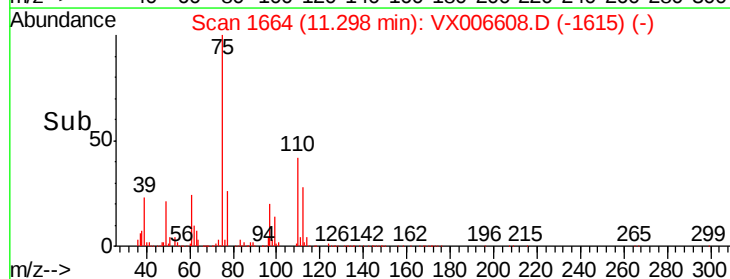
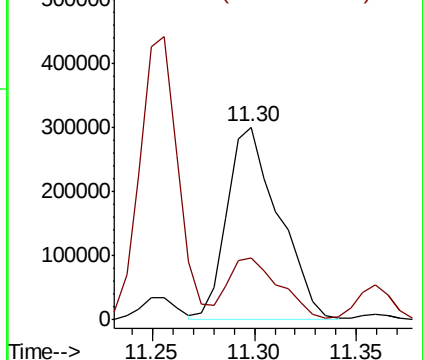
75 100

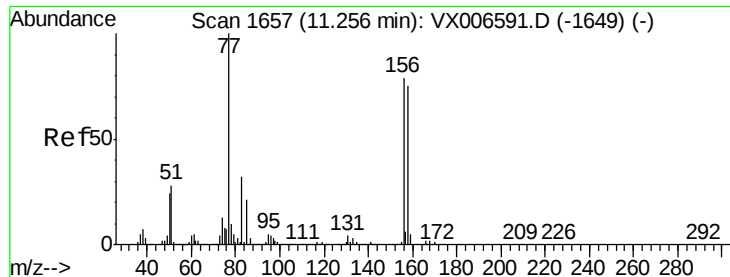
77 31.4 19.9 59.7



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 48.915 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX006608.D

Acq: 18 Dec 2018 19:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

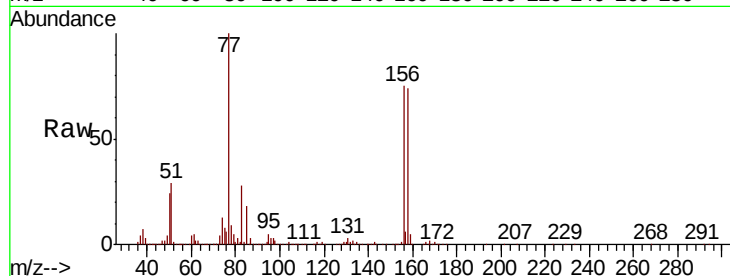
Tot Ion:156 Resp: 419507

Ion Ratio Lower Upper

156 100

77 136.8 66.2 198.6

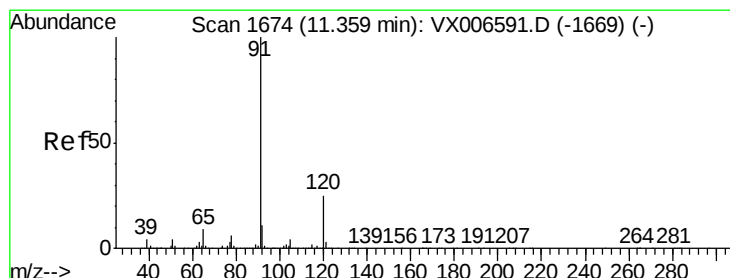
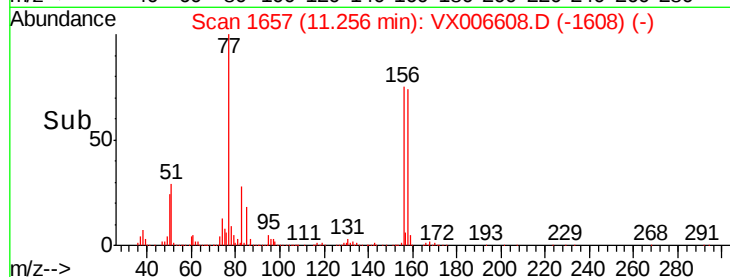
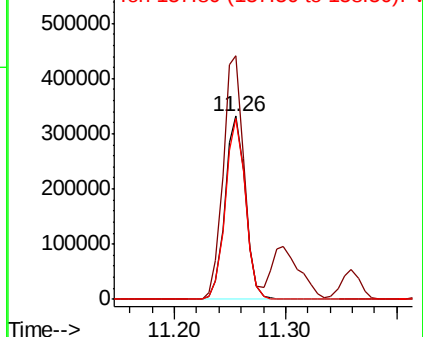
158 97.4 48.8 146.4



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: 49.306 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX006608.D

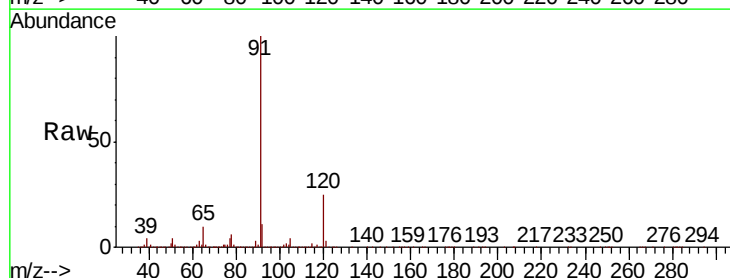
Acq: 18 Dec 2018 19:51

Tgt Ion: 91 Resp: 1722370

Ion Ratio Lower Upper

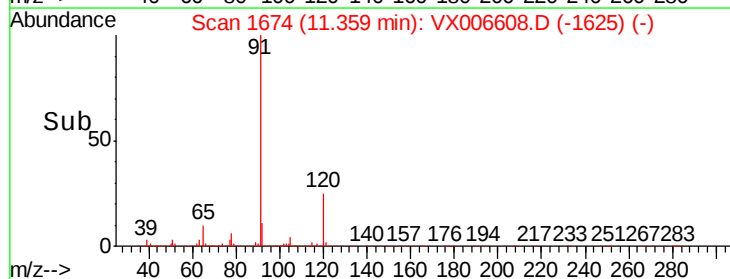
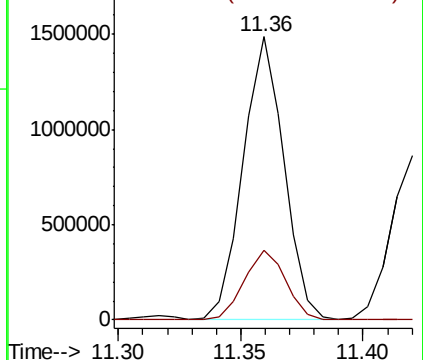
91 100

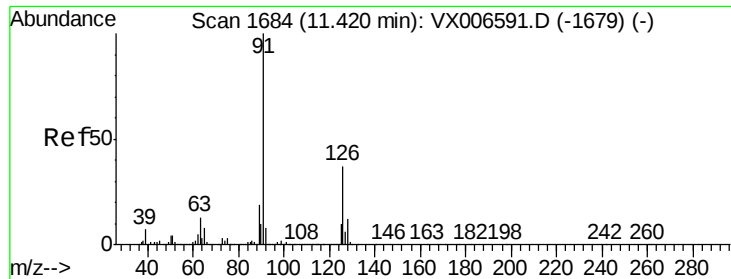
120 25.2 12.7 38.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

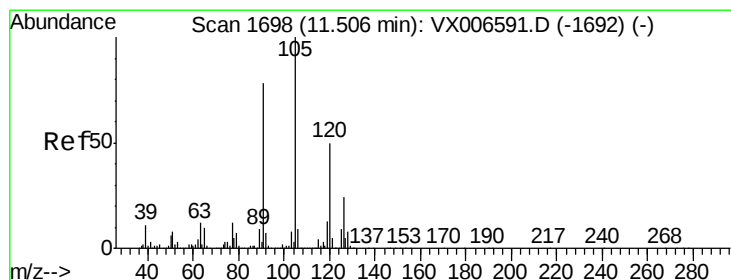
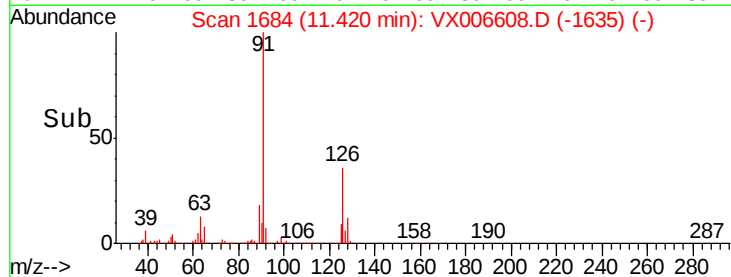
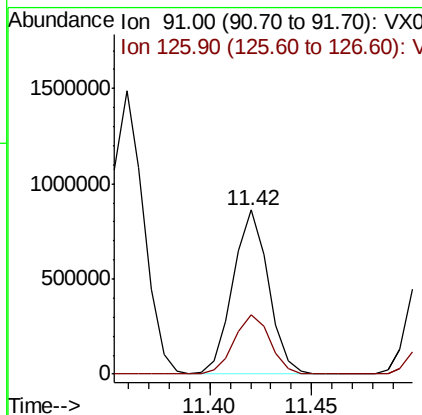
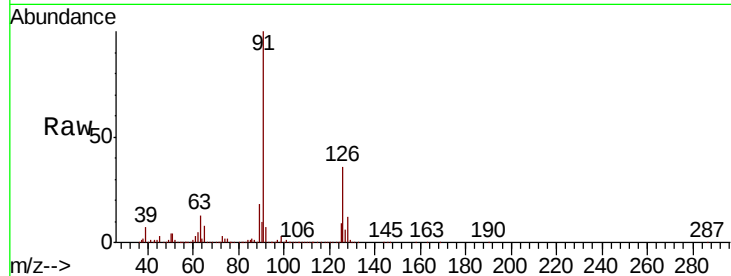




#79
 2-Chlorotoluene
 Concen: 48.735 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. -0.00 min
 Lab File: VX006608.D
 Acq: 18 Dec 2018 19:51

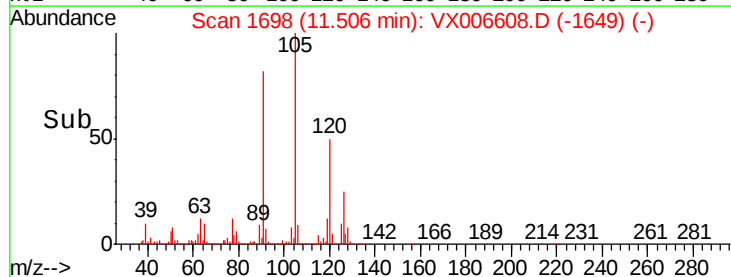
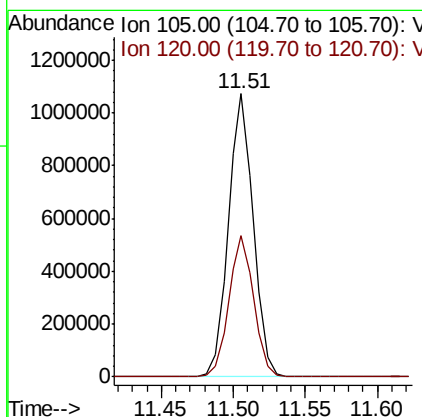
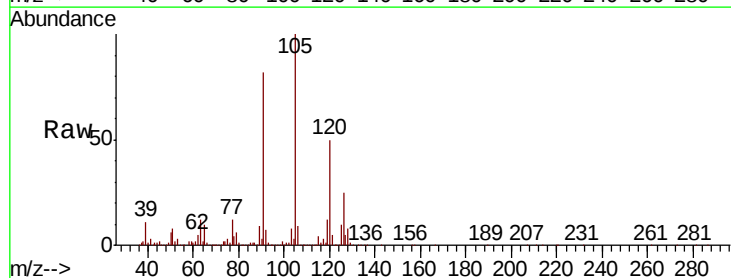
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

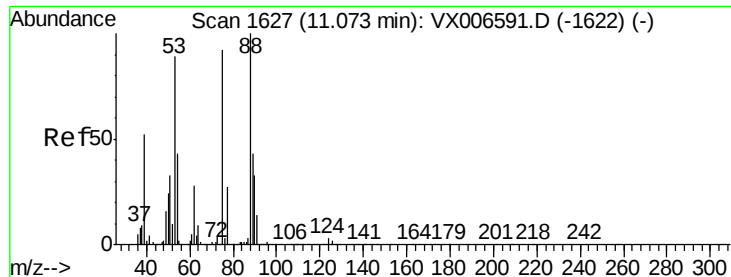
Tot Ion: 91 Resp: 1031689
 Ion Ratio Lower Upper
 91 100
 126 37.2 18.6 56.0



#80
 1,3,5-Trimethylbenzene
 Concen: 49.622 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX006608.D
 Acq: 18 Dec 2018 19:51

Tgt Ion:105 Resp: 1296542
 Ion Ratio Lower Upper
 105 100
 120 49.8 25.4 76.0





#81

trans-1,4-Dichloro-2-butene

Concen: 43.401 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX006608.D

Acq: 18 Dec 2018 19:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

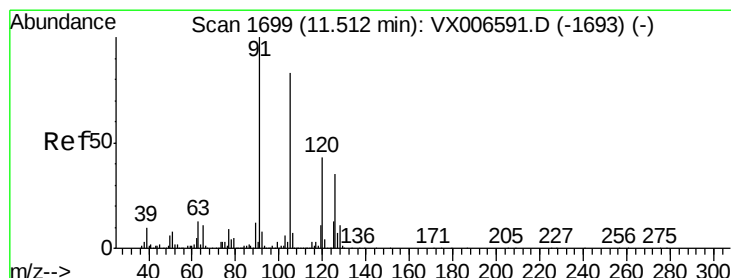
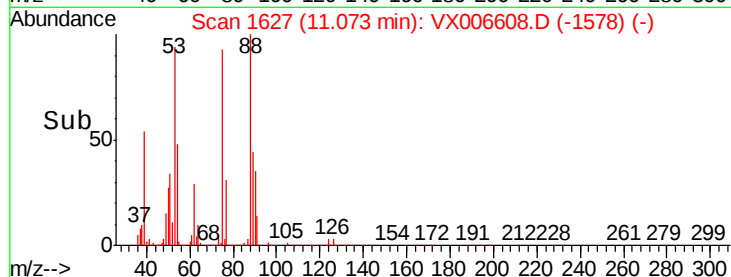
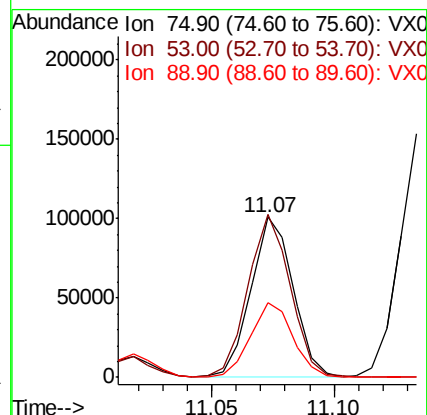
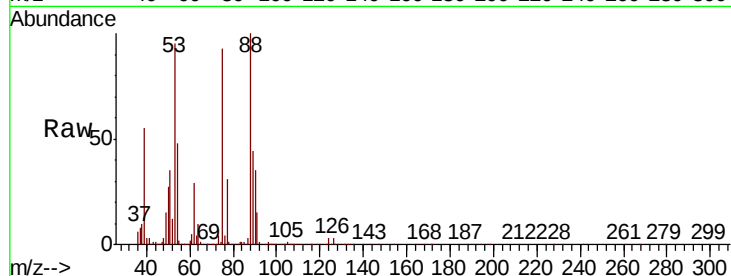
Tot Ion: 75 Resp: 121166

Ion Ratio Lower Upper

75 100

53 101.6 64.4 96.6#

89 47.2 44.2 66.4



#82

4-Chlorotoluene

Concen: 48.587 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX006608.D

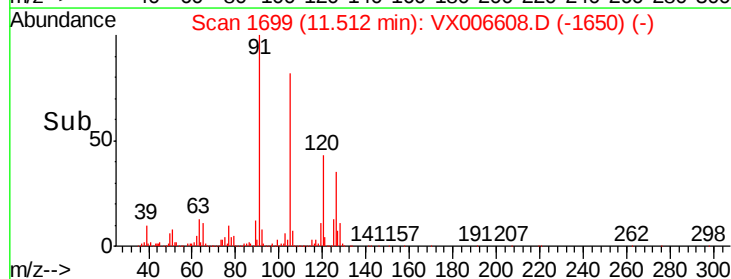
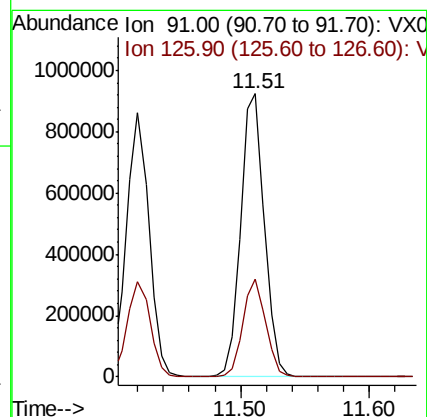
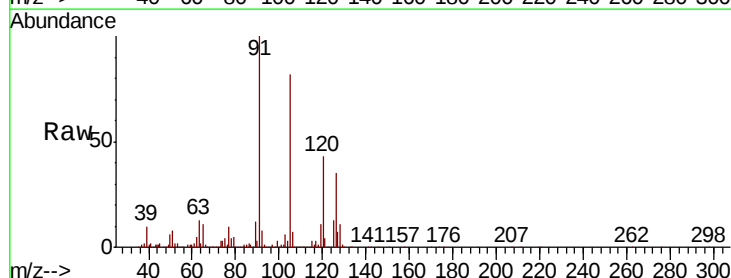
Acq: 18 Dec 2018 19:51

Tgt Ion: 91 Resp: 1179828

Ion Ratio Lower Upper

91 100

126 33.0 16.4 49.4





#83

tert-Butylbenzene

Concen: 50.086 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX006608.D

Acq: 18 Dec 2018 19:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

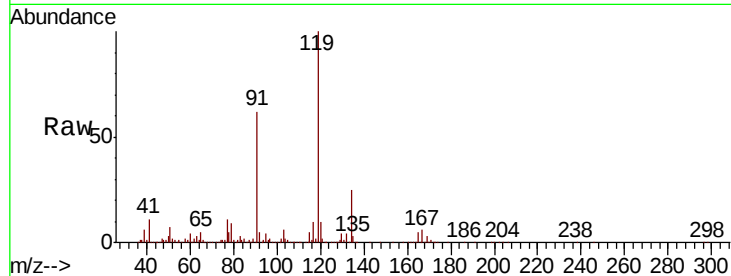
Tot Ion:119 Resp: 1309775

Ion Ratio Lower Upper

119 100

91 55.6 26.4 79.2

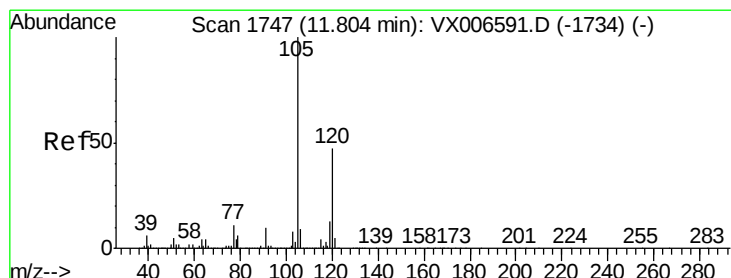
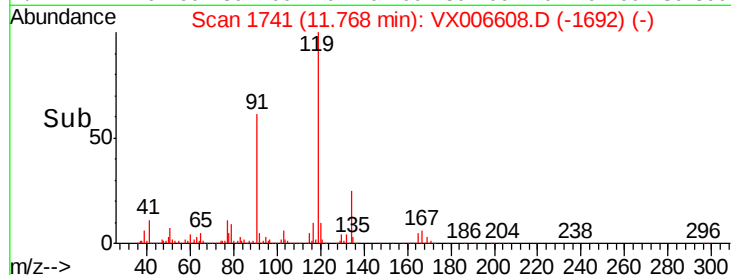
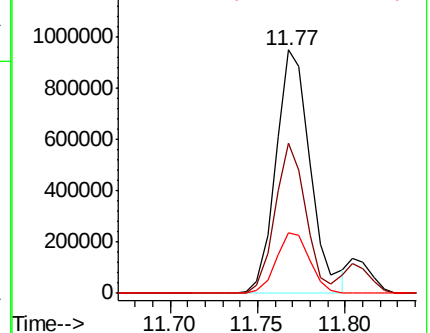
134 24.2 11.6 34.7



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: 48.438 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. -0.00 min

Lab File: VX006608.D

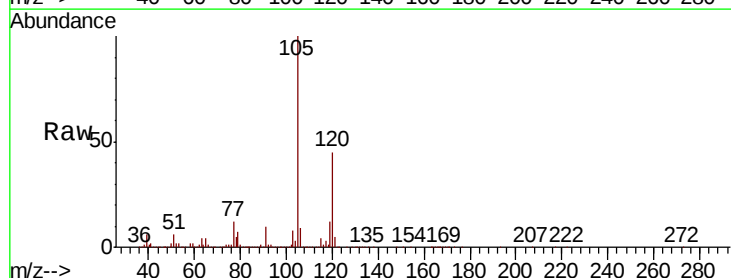
Acq: 18 Dec 2018 19:51

Tgt Ion:105 Resp: 1331217

Ion Ratio Lower Upper

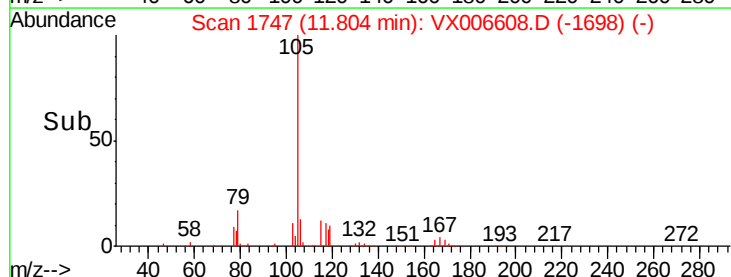
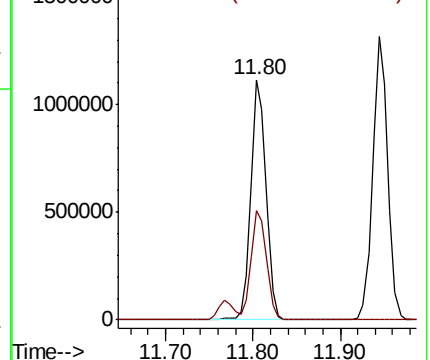
105 100

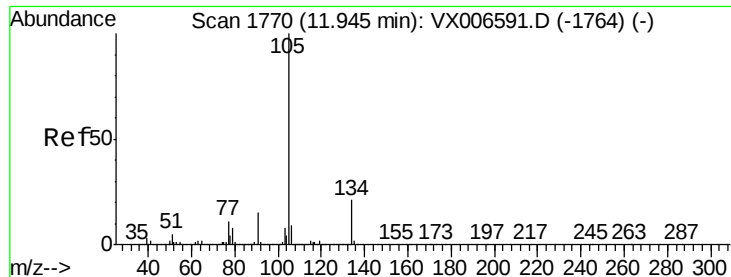
120 45.8 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 49.314 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX006608.D

Acq: 18 Dec 2018 19:51

Instrument :

MSVOA_X

ClientSampleId :

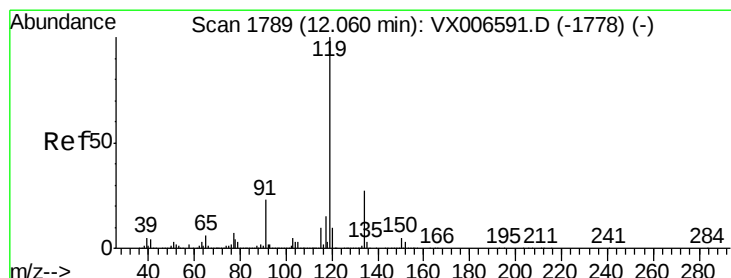
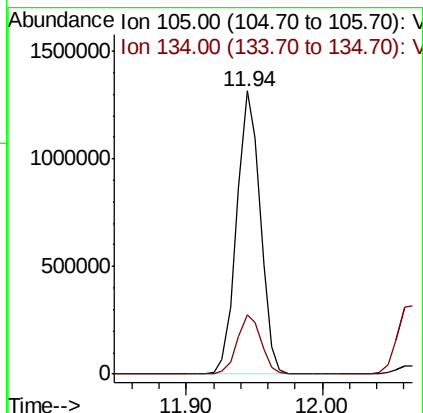
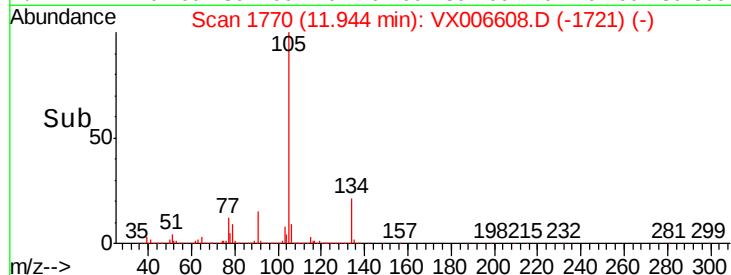
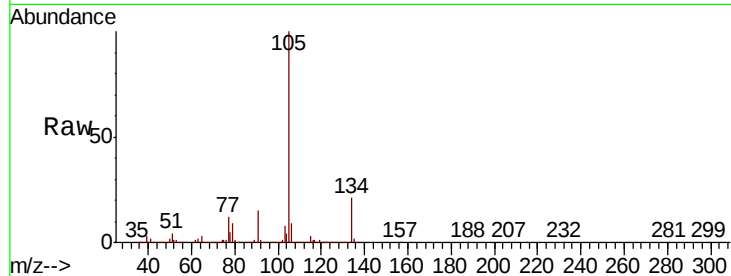
VSTDCCC050EC

Tot Ion:105 Resp: 1581123

Ion Ratio Lower Upper

105 100

134 21.4 10.8 32.4



#86

p-Isopropyltoluene

Concen: 50.141 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX006608.D

Acq: 18 Dec 2018 19:51

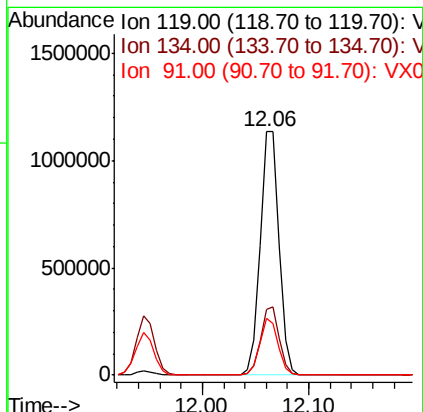
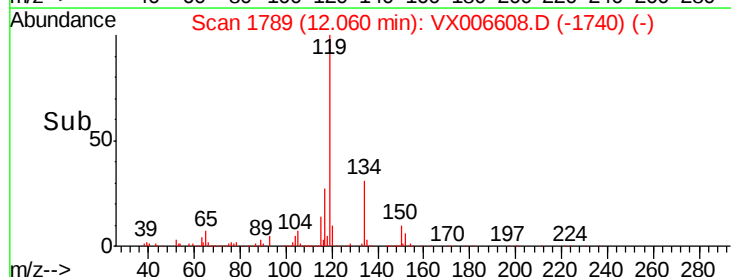
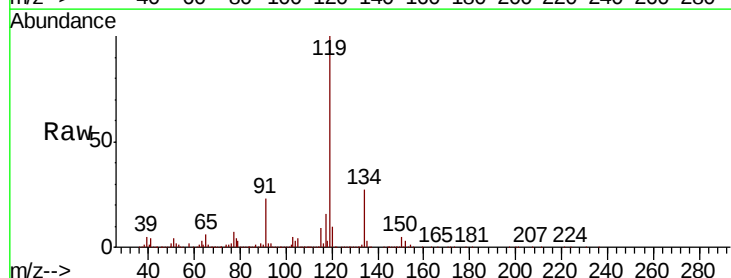
Tgt Ion:119 Resp: 1413152

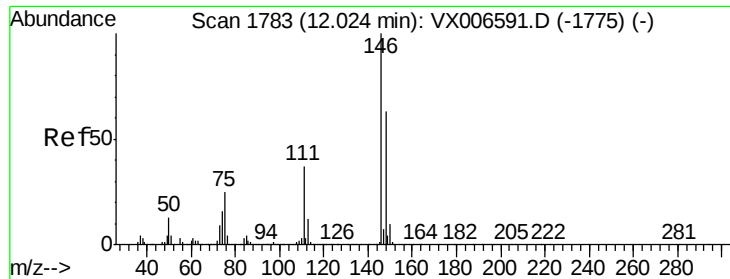
Ion Ratio Lower Upper

119 100

134 27.6 13.9 41.6

91 22.4 11.3 33.8

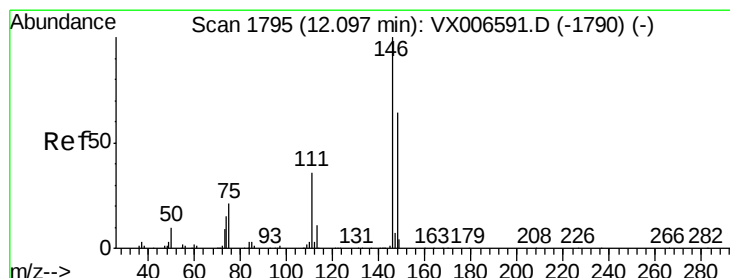
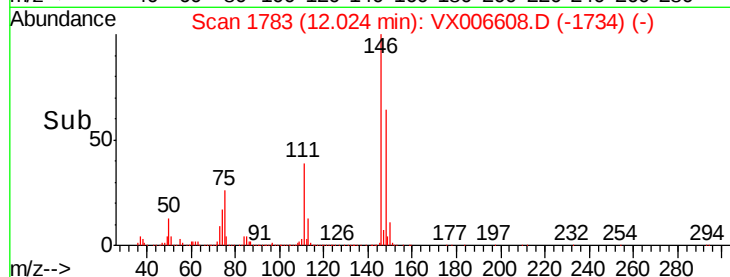
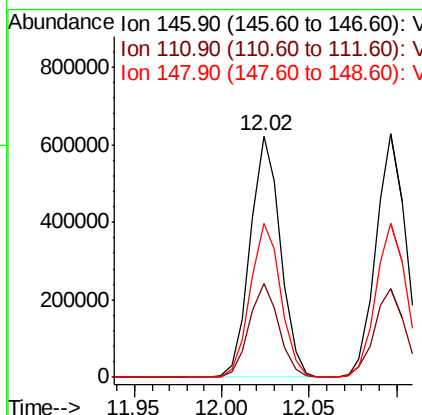
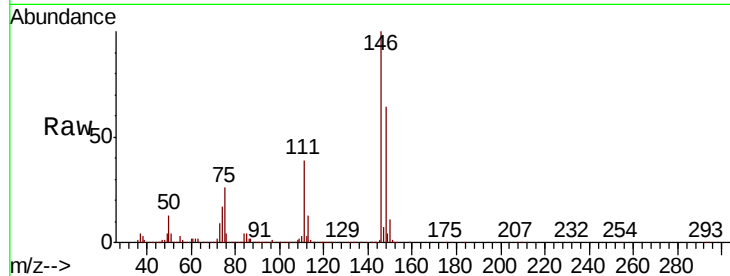




#87
 1,3-Dichlorobenzene
 Concen: 48.510 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX006608.D
 Acq: 18 Dec 2018 19:51

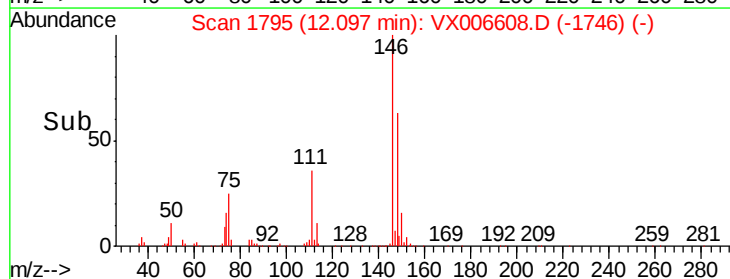
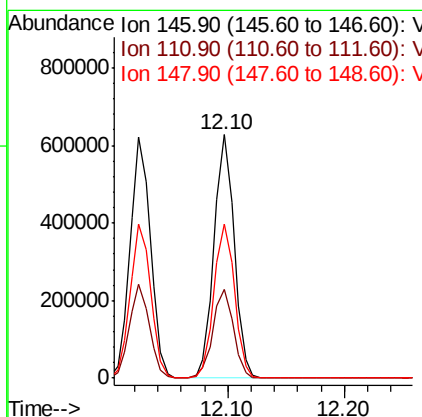
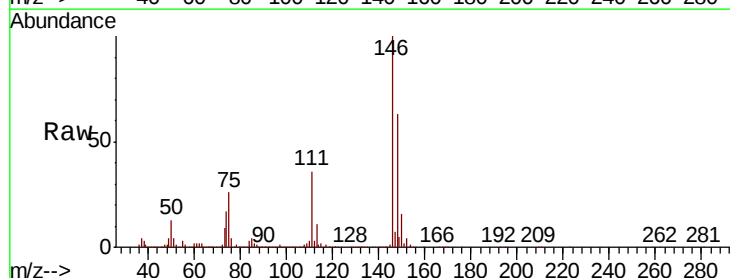
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:146 Resp: 749791
 Ion Ratio Lower Upper
 146 100
 111 38.1 18.4 55.2
 148 64.2 32.0 96.0



#88
 1,4-Dichlorobenzene
 Concen: 47.076 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX006608.D
 Acq: 18 Dec 2018 19:51

Tgt Ion:146 Resp: 746805
 Ion Ratio Lower Upper
 146 100
 111 37.2 18.3 54.8
 148 64.6 31.9 95.9





#89

n-Butylbenzene

Concen: 50.496 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX006608.D

Acq: 18 Dec 2018 19:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

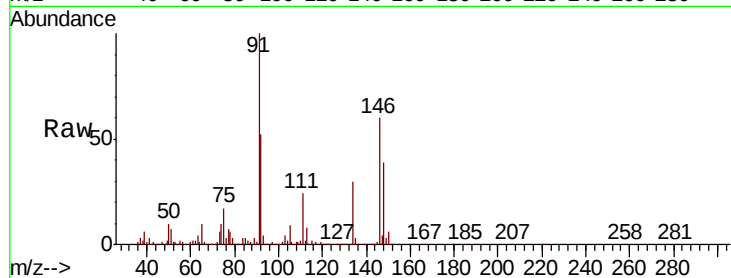
Tot Ion: 91 Resp: 1211193

Ion	Ratio	Lower	Upper
91	100		
92	52.2	26.6	79.8
134	28.7	14.8	44.3

91 100

92 52.2 26.6 79.8

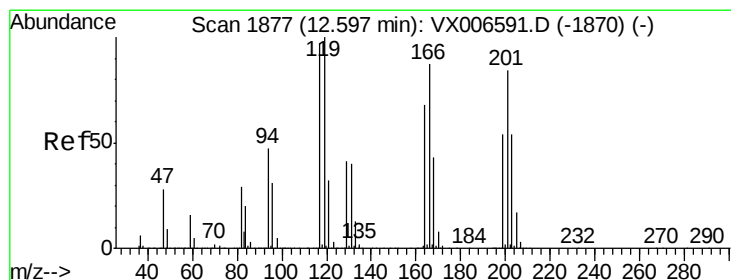
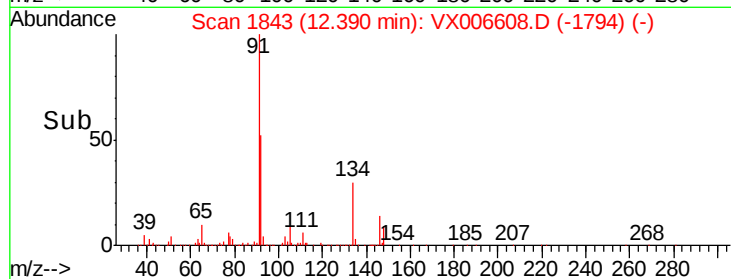
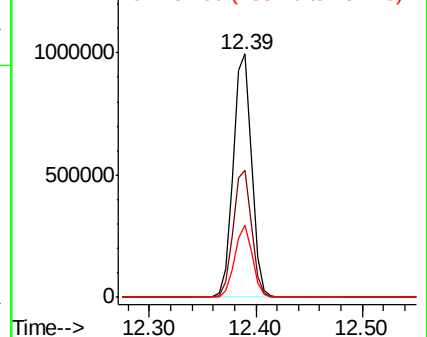
134 28.7 14.8 44.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 45.744 ug/l

RT: 12.60 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VX006608.D

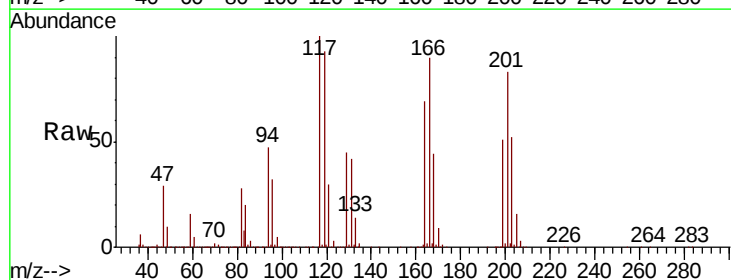
Acq: 18 Dec 2018 19:51

Tgt Ion: 117 Resp: 200448

Ion	Ratio	Lower	Upper
117	100		
201	84.5	44.7	134.1

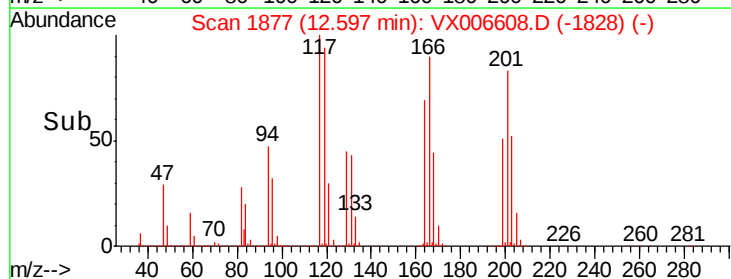
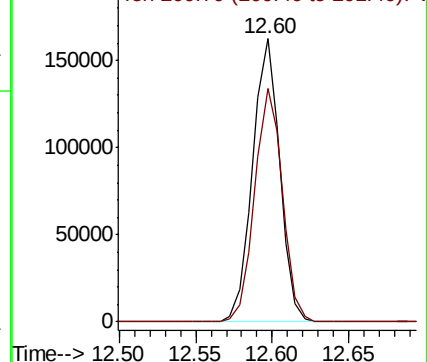
117 100

201 84.5 44.7 134.1



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 47.806 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX006608.D

Acq: 18 Dec 2018 19:51

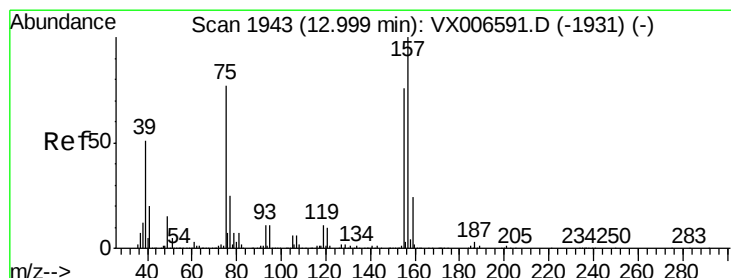
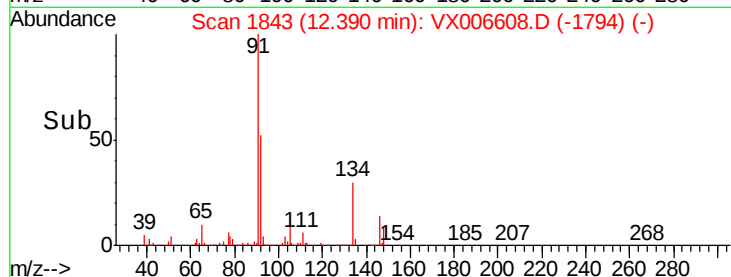
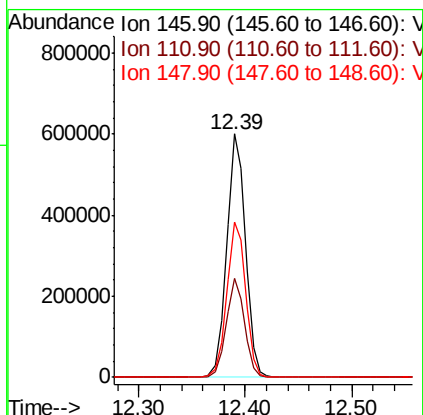
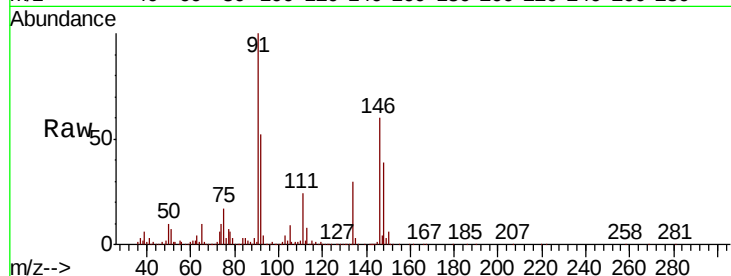
Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	739170
Ion	Ratio	Lower	Upper
146	100		
111	39.5	19.1	57.3
148	64.2	32.1	96.3



#92

1,2-Dibromo-3-Chloropropane

Concen: 50.616 ug/l

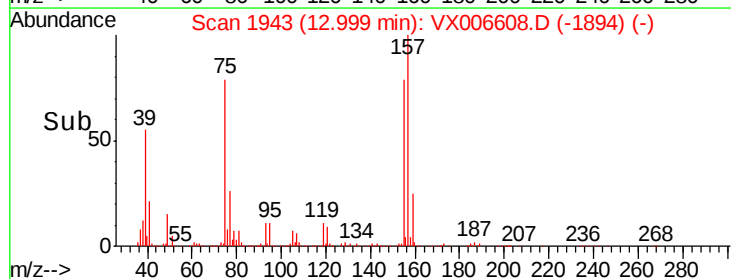
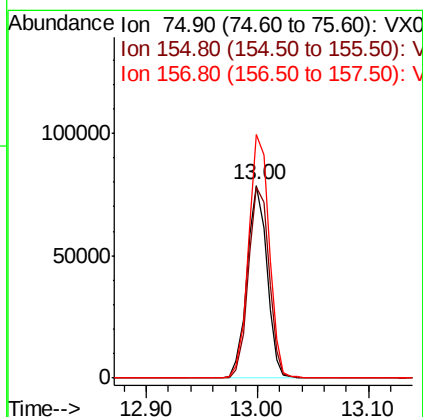
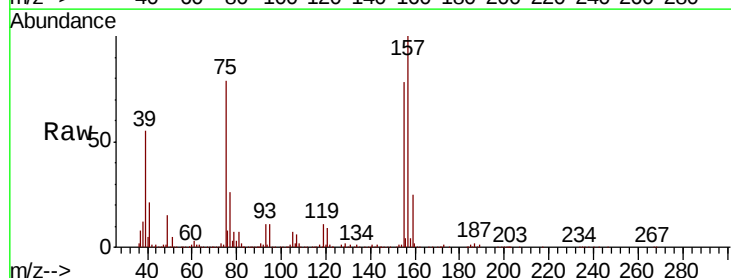
RT: 13.00 min Scan# 1943

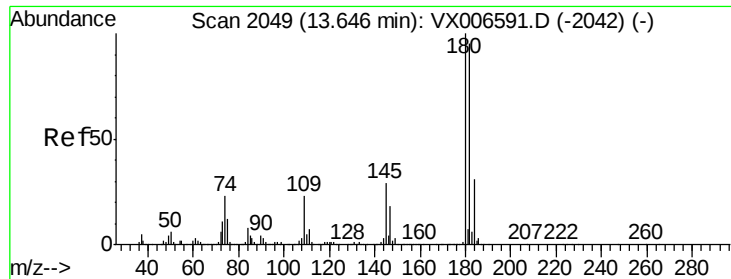
Delta R.T. -0.00 min

Lab File: VX006608.D

Acq: 18 Dec 2018 19:51

Tgt Ion:	75	Resp:	98807
Ion	Ratio	Lower	Upper
75	100		
155	102.1	53.4	160.3
157	129.3	68.0	203.8

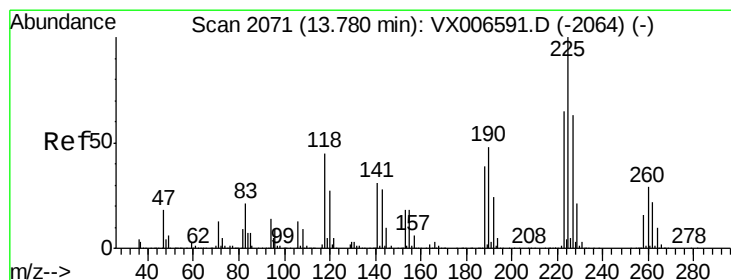
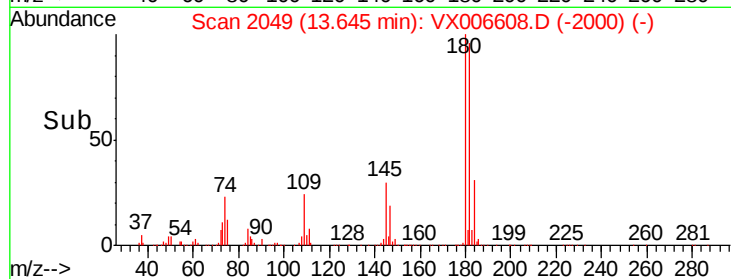
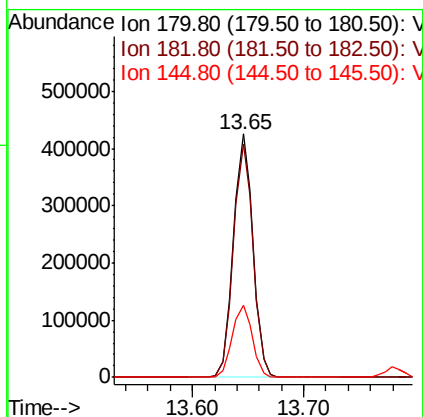
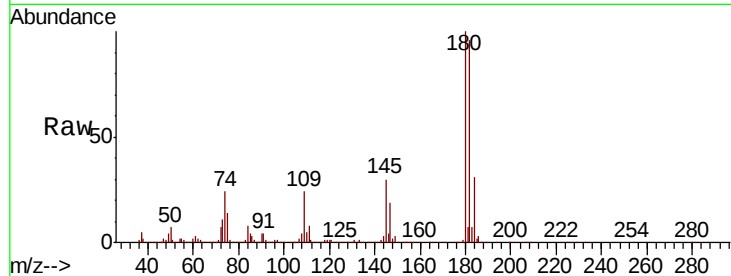




#93
 1,2,4-Trichlorobenzene
 Concen: 48.375 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX006608.D
 Acq: 18 Dec 2018 19:51

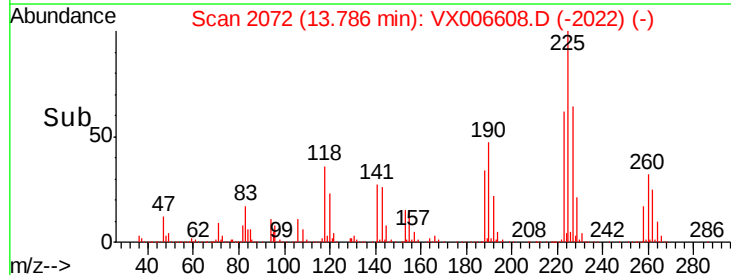
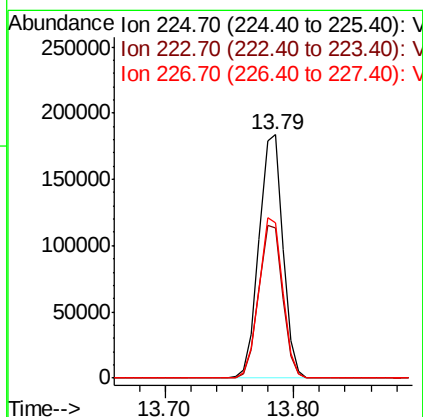
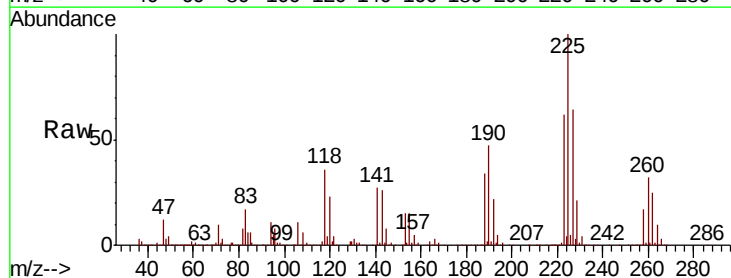
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:180 Resp: 515944
 Ion Ratio Lower Upper
 180 100
 182 96.2 47.3 141.9
 145 30.5 14.6 43.8



#94
 Hexachlorobutadiene
 Concen: 46.523 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. 0.01 min
 Lab File: VX006608.D
 Acq: 18 Dec 2018 19:51

Tgt Ion:225 Resp: 233875
 Ion Ratio Lower Upper
 225 100
 223 62.8 31.2 93.6
 227 65.2 31.9 95.5

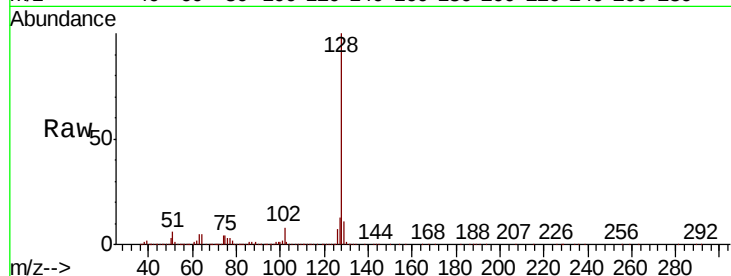




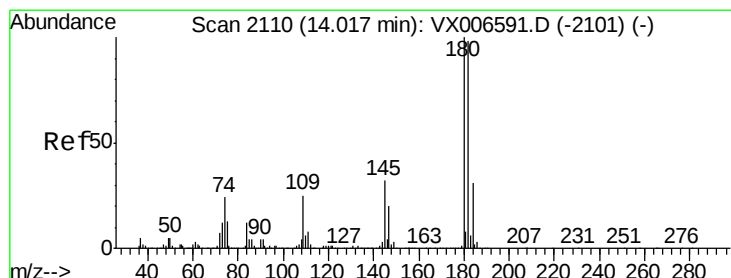
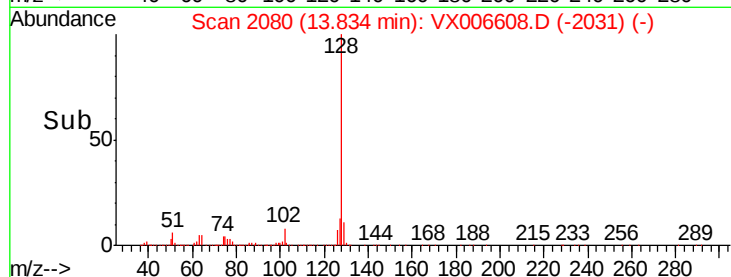
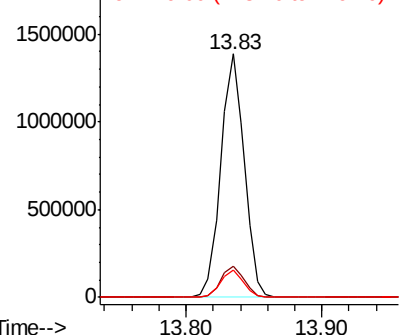
#95
Naphthalene
Concen: 48.777 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX006608.D
Acq: 18 Dec 2018 19:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:128 Resp: 1660390
Ion Ratio Lower Upper
128 100
127 13.0 10.2 15.4
129 10.9 8.9 13.3

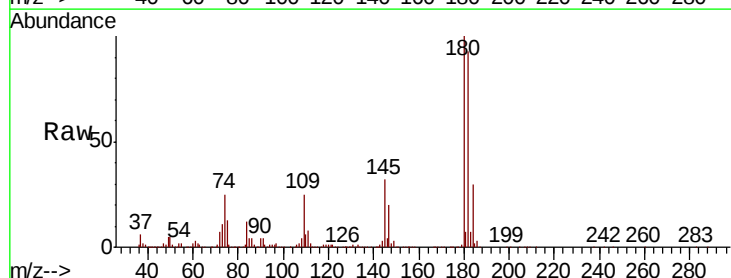


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 47.791 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.00 min
Lab File: VX006608.D
Acq: 18 Dec 2018 19:51

Tgt Ion:180 Resp: 526281
Ion Ratio Lower Upper
180 100
182 94.6 48.4 145.2
145 31.6 15.6 46.8



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

