

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX121818\
 Data File : VX006591.D
 Acq On : 18 Dec 2018 12:04
 Operator : JC/MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Quant Time: Dec 19 00:35:43 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 19 00:31:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	623524	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	971059	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	890040	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	465942	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	337052	50.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.32%	
35) Dibromofluoromethane	5.50	113	305513	49.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.50%	
50) Toluene-d8	8.71	98	1148015	49.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.18%	
62) 4-Bromofluorobenzene	11.13	95	432633	51.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.04%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	274047	48.043	ug/l	100
3) Chloromethane	1.32	50	292984	47.676	ug/l	100
4) Vinyl Chloride	1.41	62	307797	47.956	ug/l	100
5) Bromomethane	1.64	94	304478	43.630	ug/l	100
6) Chloroethane	1.71	64	198534	44.674	ug/l	100
7) Trichlorofluoromethane	1.93	101	488354	48.803	ug/l	100
8) Diethyl Ether	2.19	74	187136	47.084	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.39	101	284559	48.432	ug/l	100
10) Methyl Iodide	2.51	142	446471	53.086	ug/l	100
11) Tert butyl alcohol	3.07	59	367807	245.248	ug/l	100
12) 1,1-Dichloroethene	2.37	96	265493	47.656	ug/l	100
13) Acrolein	2.29	56	242392	239.581	ug/l	100
14) Allyl chloride	2.73	41	458412	48.885	ug/l	100
15) Acrylonitrile	3.15	53	823341	247.258	ug/l	100
16) Acetone	2.45	43	738184	239.095	ug/l	100
17) Carbon Disulfide	2.57	76	696496	47.243	ug/l	100
18) Methyl Acetate	2.78	43	442428	48.734	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	910062	49.218	ug/l	100
20) Methylene Chloride	2.86	84	296644	46.465	ug/l	100
21) trans-1,2-Dichloroethene	3.17	96	284838	46.145	ug/l	100
22) Diisopropyl ether	3.87	45	847926	49.427	ug/l	100
23) Vinyl Acetate	3.82	43	3486879	248.487	ug/l	100
24) 1,1-Dichloroethane	3.70	63	479381	46.810	ug/l	100
25) 2-Butanone	4.70	43	1061761	244.486	ug/l	100
26) 2,2-Dichloropropane	4.59	77	387387	48.970	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	333506	48.970	ug/l	100
28) Bromochloromethane	5.02	49	221192	46.977	ug/l	100
29) Tetrahydrofuran	5.15	42	703007	245.778	ug/l	100
30) Chloroform	5.21	83	515649	48.623	ug/l	100
31) Cyclohexane	5.57	56	452222	48.607	ug/l	100
32) 1,1,1-Trichloroethane	5.49	97	454806	50.790	ug/l	100
36) 1,1-Dichloropropene	5.80	75	389483	48.427	ug/l	100
37) Ethyl Acetate	4.85	43	398326	47.585	ug/l	100
38) Carbon Tetrachloride	5.78	117	385984	49.383	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	505077	47.701	ug/l	100
40) Benzene	6.14	78	1185706	48.501	ug/l	100
41) Methacrylonitrile	5.06	41	226683	48.189	ug/l	100
42) 1,2-Dichloroethane	6.20	62	390108	46.829	ug/l	100
43) Isopropyl Acetate	6.46	43	639381	50.200	ug/l	100
44) Trichloroethene	7.21	130	348115	47.047	ug/l	100
45) 1,2-Dichloropropane	7.51	63	280897	47.216	ug/l	100
46) Dibromomethane	7.66	93	212166	48.485	ug/l	100
47) Bromodichloromethane	7.90	83	364287	50.143	ug/l	100
48) Methyl methacrylate	7.77	41	330250	50.988	ug/l	100
49) 1,4-Dioxane	7.75	88	172740	942.599	ug/l	100
51) 4-Methyl-2-Pentanone	8.65	43	2058927	254.064	ug/l	100
52) Toluene	8.79	92	773746	48.991	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	410424	52.675	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	451168	52.772	ug/l	100
55) 1,1,2-Trichloroethane	9.21	97	314495	48.648	ug/l	100
56) Ethyl methacrylate	9.18	69	474751	51.960	ug/l	100
57) 1,3-Dichloropropane	9.37	76	501701	48.236	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	1195734	246.193	ug/l	100
59) 2-Hexanone	9.49	43	1581471	255.056	ug/l	100
60) Dibromochloromethane	9.58	129	317217	53.273	ug/l	100
61) 1,2-Dibromoethane	9.67	107	345232	50.237	ug/l	100
64) Tetrachloroethene	9.34	164	331862	47.088	ug/l	100
65) Chlorobenzene	10.14	112	906274	48.130	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	305021	51.921	ug/l	100
67) Ethyl Benzene	10.25	91	1492656	48.512	ug/l	100
68) m/p-Xylenes	10.36	106	1199242	98.774	ug/l	100
69) o-Xylene	10.70	106	596197	49.728	ug/l	100
70) Styrene	10.71	104	967246	50.994	ug/l	100
71) Bromoform	10.86	173	237364	53.071	ug/l	100
73) Isopropylbenzene	11.02	105	1556702	48.836	ug/l	100
74) N-amyl acetate	10.90	43	580295	50.860	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	470175	49.597	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	536800	65.035	ug/l	90
77) Bromobenzene	11.26	156	426028	49.436	ug/l	100
78) n-propylbenzene	11.36	91	1736722	49.477	ug/l	100
79) 2-Chlorotoluene	11.42	91	1027229	48.290	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	1299718	49.503	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	127054	52.557	ug/l	100
82) 4-Chlorotoluene	11.51	91	1190255	48.780	ug/l	100
83) tert-Butylbenzene	11.77	119	1328198	50.545	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	1335566	48.362	ug/l	100
85) sec-Butylbenzene	11.94	105	1595179	49.513	ug/l	100
86) p-Isopropyltoluene	12.06	119	1419209	50.113	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	761651	49.039	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	766317	48.073	ug/l	100
89) n-Butylbenzene	12.39	91	1206178	50.045	ug/l	100
90) Hexachloroethane	12.60	117	202446	52.476	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	748632	48.184	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	99543	50.747	ug/l	100

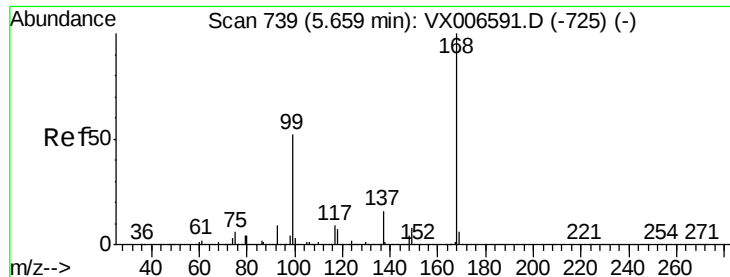
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX121818\
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	529482	49.405	ug/l	100
94) Hexachlorobutadiene	13.78	225	239717	47.455	ug/l	100
95) Naphthalene	13.83	128	1684540	49.247	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	524375	47.389	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.00 min

Lab File: VX006591.D

Acq: 18 Dec 2018 12:04

Instrument :

MSVOA_X

ClientSampleId :

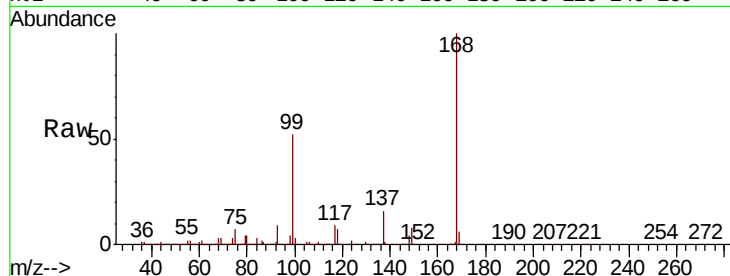
VSTDICCC050

Tgt Ion:168 Resp: 623524

Ion Ratio Lower Upper

168 100

99 52.3 41.8 62.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

250000

200000

150000

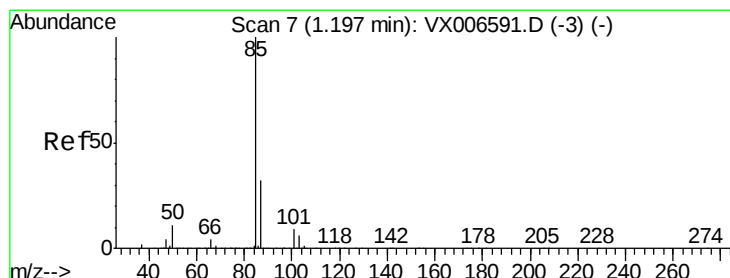
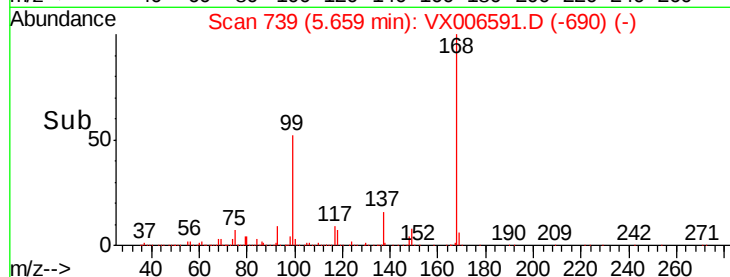
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 48.043 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX006591.D

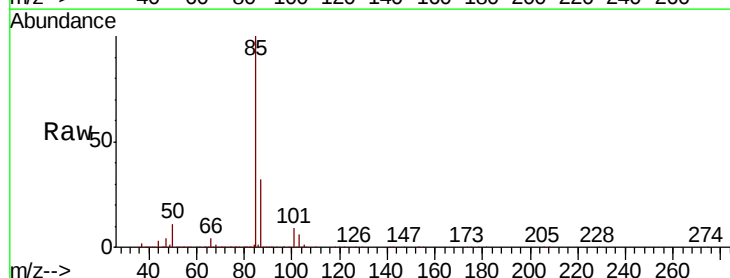
Acq: 18 Dec 2018 12:04

Tgt Ion: 85 Resp: 274047

Ion Ratio Lower Upper

85 100

87 31.7 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

300000

250000

200000

150000

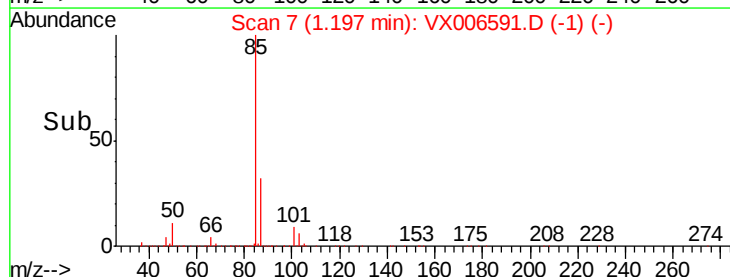
100000

50000

0

Time-->

1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 47.676 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX006591.D

Acq: 18 Dec 2018 12:04

Instrument :

MSVOA_X

ClientSampleId :

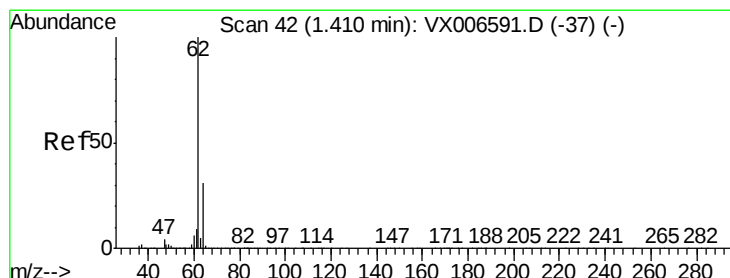
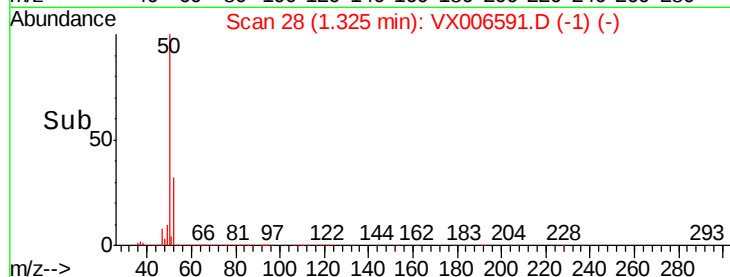
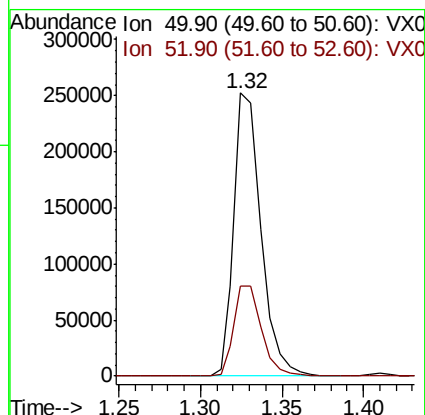
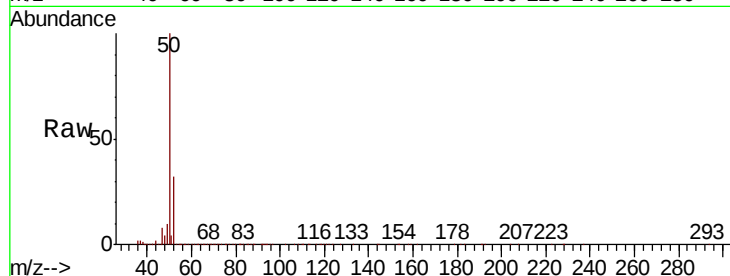
VSTDICCC050

Tgt Ion: 50 Resp: 292984

Ion Ratio Lower Upper

50 100

52 31.8 25.4 38.2



#4

Vinyl Chloride

Concen: 47.956 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX006591.D

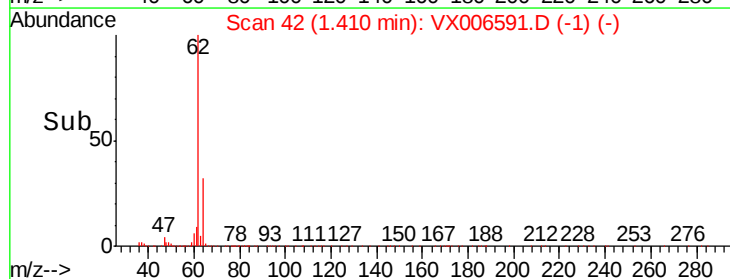
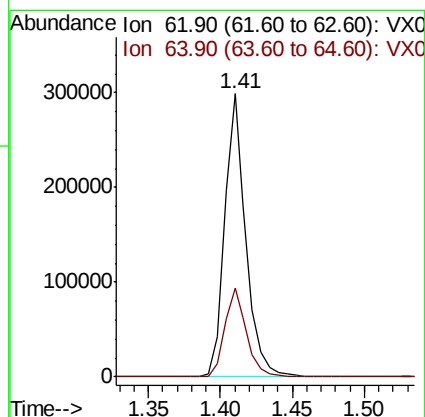
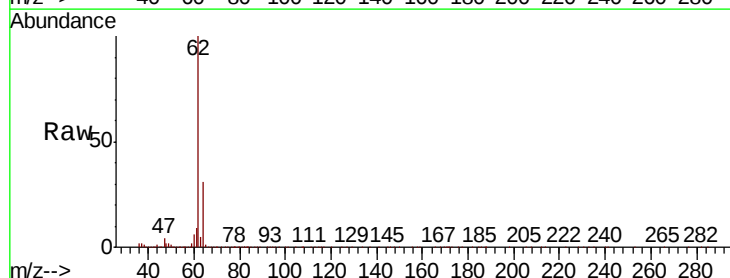
Acq: 18 Dec 2018 12:04

Tgt Ion: 62 Resp: 307797

Ion Ratio Lower Upper

62 100

64 31.4 25.1 37.7





#5

Bromomethane

Concen: 43.630 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX006591.D

Acq: 18 Dec 2018 12:04

Instrument :

MSVOA_X

ClientSampleId :

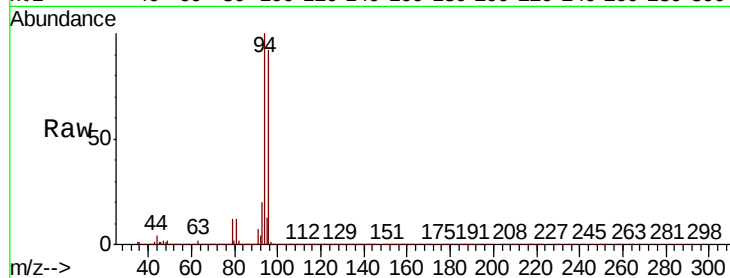
VSTDICCC050

Tgt Ion: 94 Resp: 304478

Ion Ratio Lower Upper

94 100

96 91.8 73.4 110.2



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

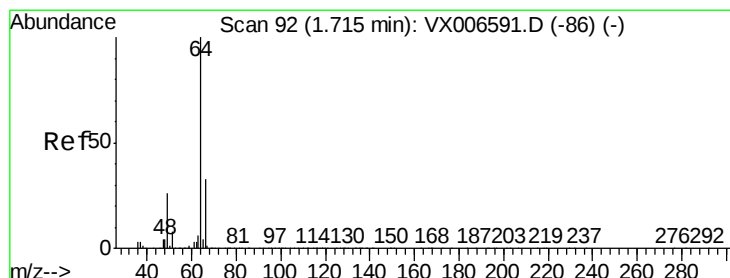
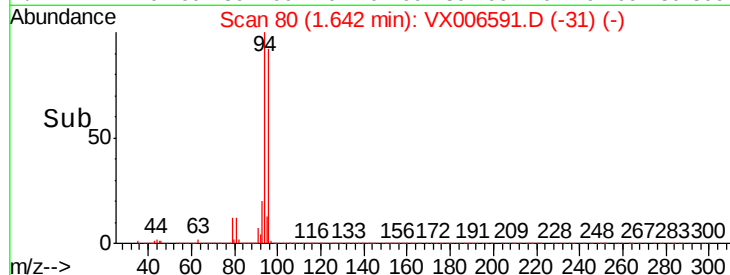
300000

200000

100000

0

Time-->



#6

Chloroethane

Concen: 44.674 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX006591.D

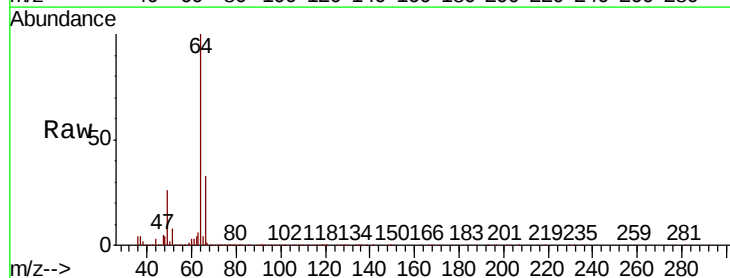
Acq: 18 Dec 2018 12:04

Tgt Ion: 64 Resp: 198534

Ion Ratio Lower Upper

64 100

66 33.0 26.4 39.6



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.71

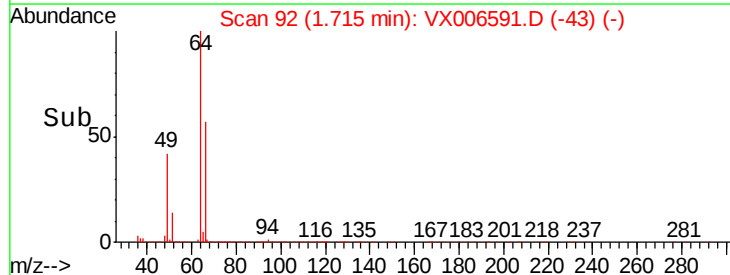
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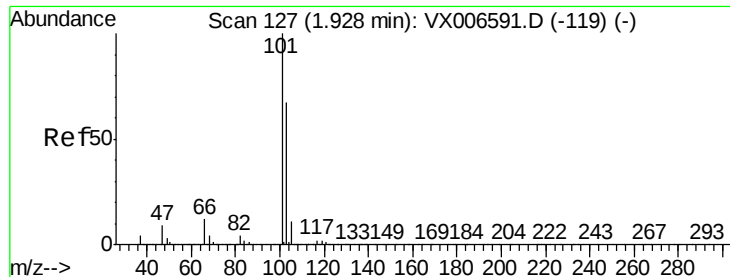
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Time-->



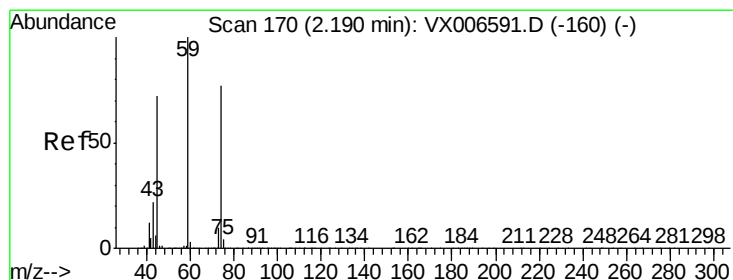
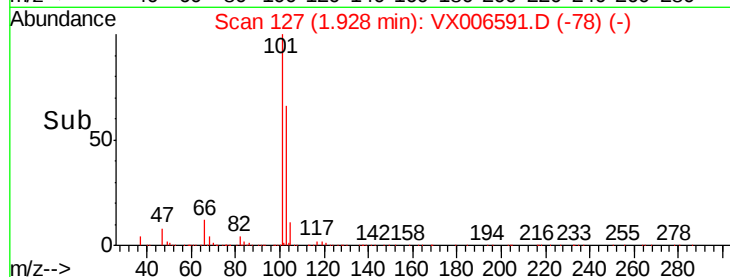
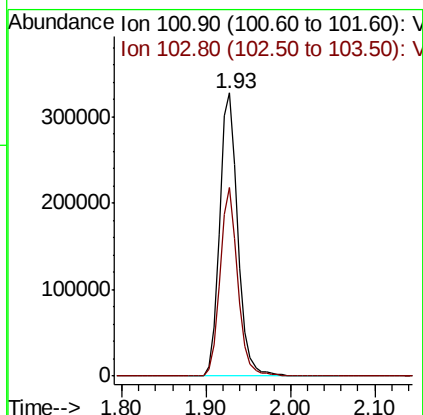
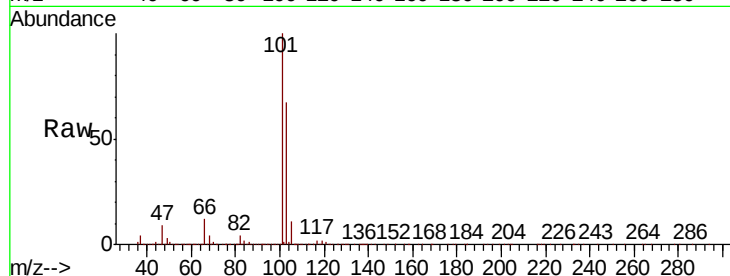


#7

Trichlorofluoromethane
Concen: 48.803 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.00 min
Lab File: VX006591.D
Acq: 18 Dec 2018 12:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

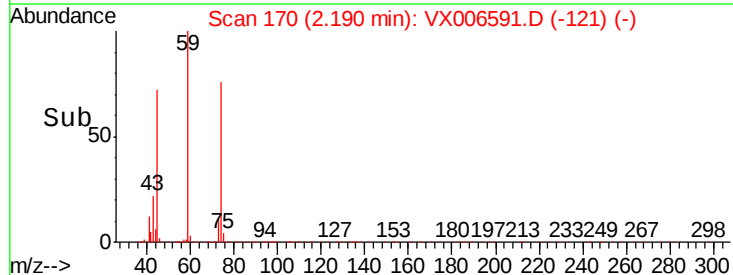
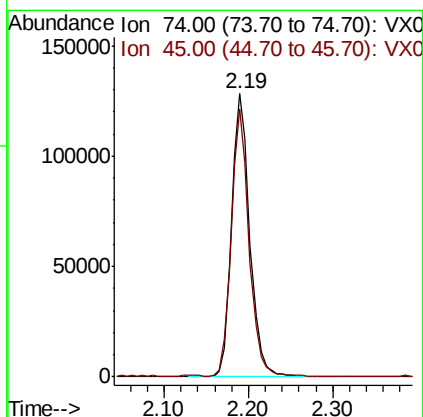
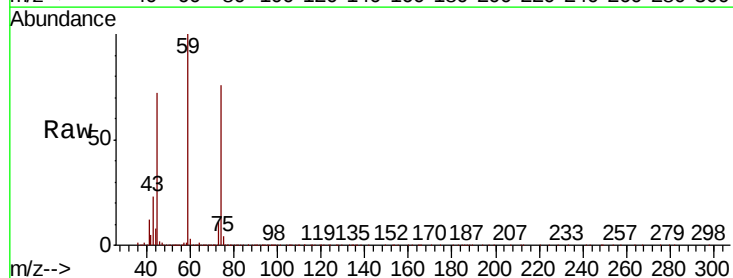
Tgt Ion:101 Resp: 488354
Ion Ratio Lower Upper
101 100
103 66.5 53.2 79.8

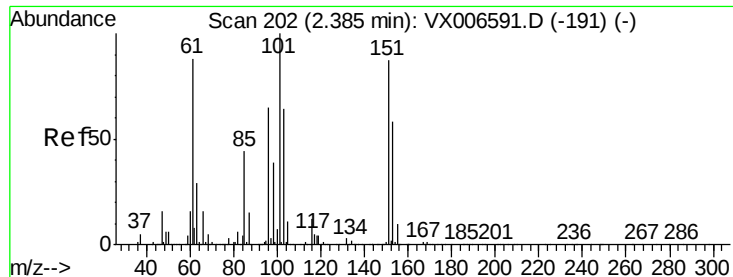


#8

Diethyl Ether
Concen: 47.084 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX006591.D
Acq: 18 Dec 2018 12:04

Tgt Ion: 74 Resp: 187136
Ion Ratio Lower Upper
74 100
45 92.6 46.3 138.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.432 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.00 min

Lab File: VX006591.D

Acq: 18 Dec 2018 12:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

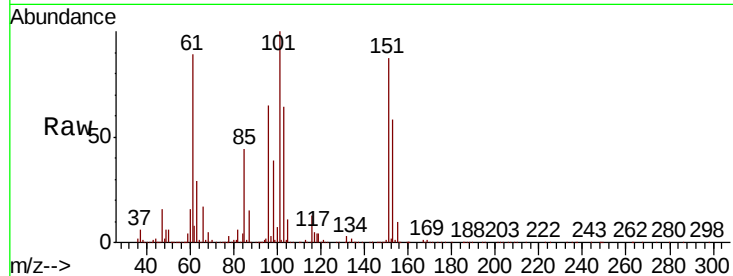
Tgt Ion:101 Resp: 284559

Ion Ratio Lower Upper

101 100

85 43.9 35.1 52.7

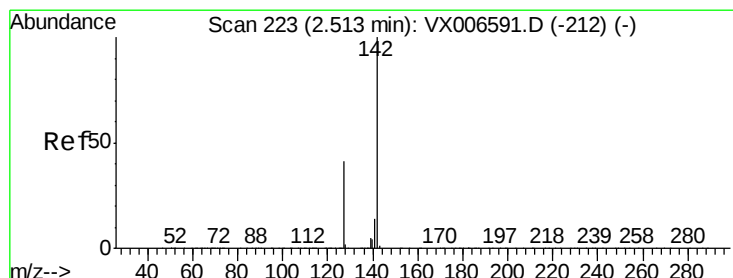
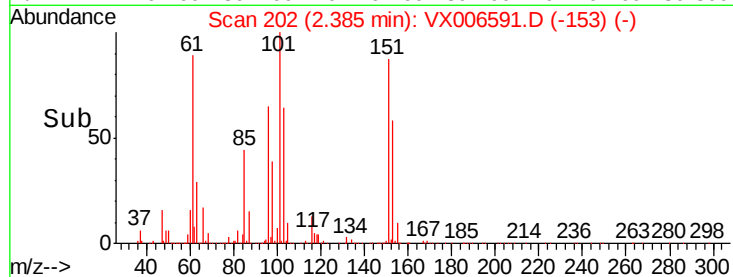
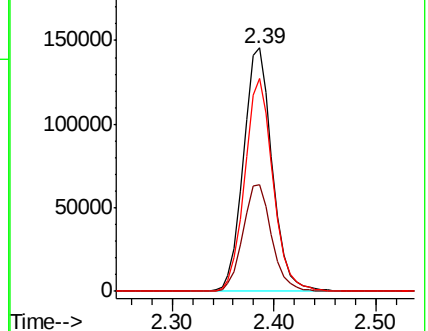
151 86.1 68.9 103.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 53.086 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.00 min

Lab File: VX006591.D

Acq: 18 Dec 2018 12:04

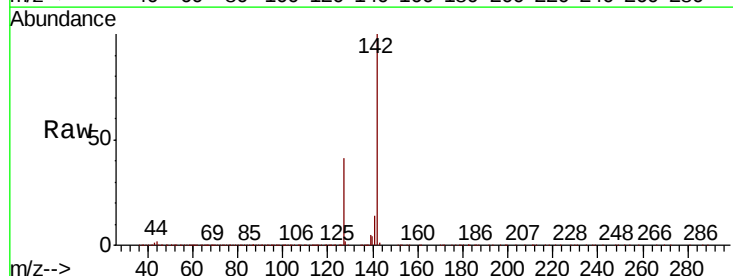
Tgt Ion:142 Resp: 446471

Ion Ratio Lower Upper

142 100

127 42.4 33.9 50.9

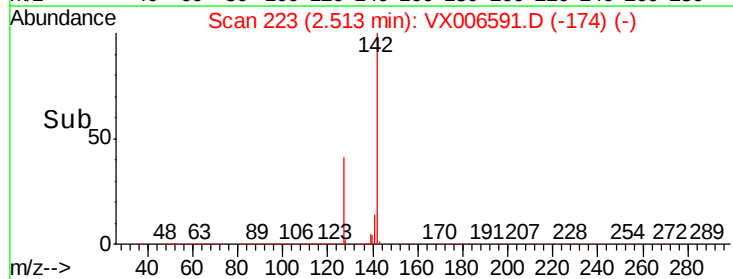
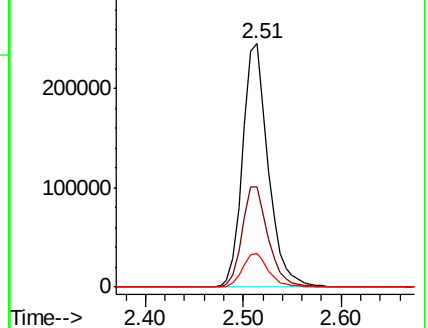
141 14.2 11.4 17.0

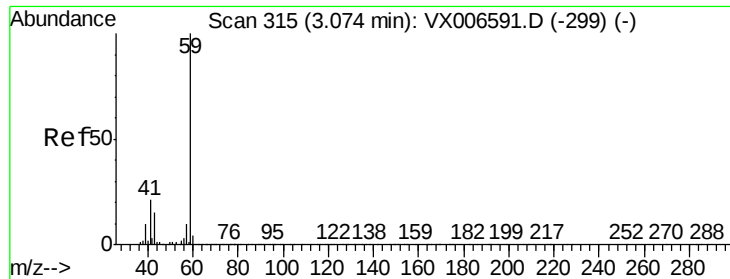


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

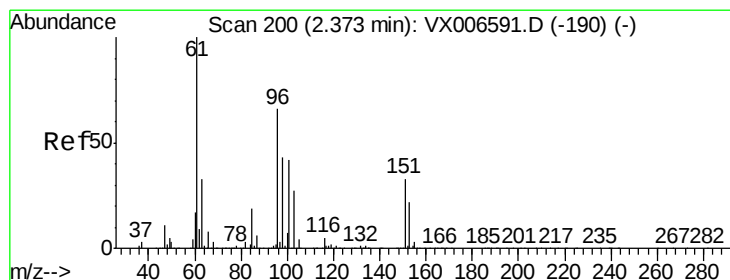
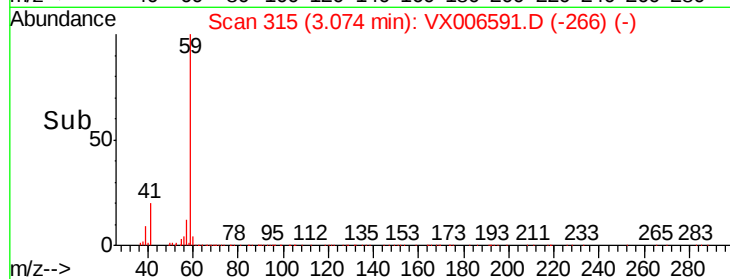
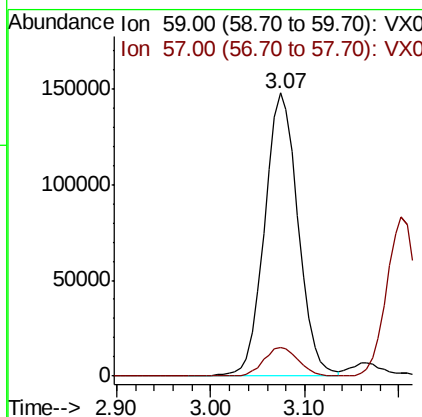
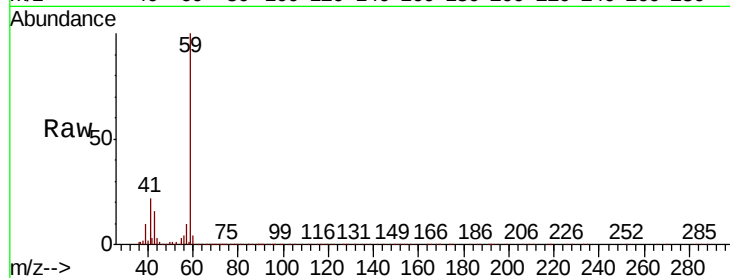




#11
Tert butyl alcohol
Concen: 245.248 ug/l
RT: 3.07 min Scan# 315
Delta R.T. 0.00 min
Lab File: VX006591.D
Acq: 18 Dec 2018 12:04

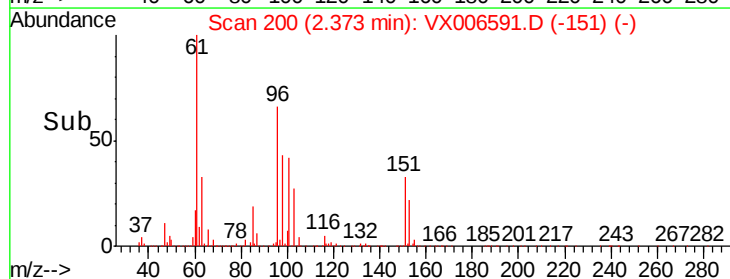
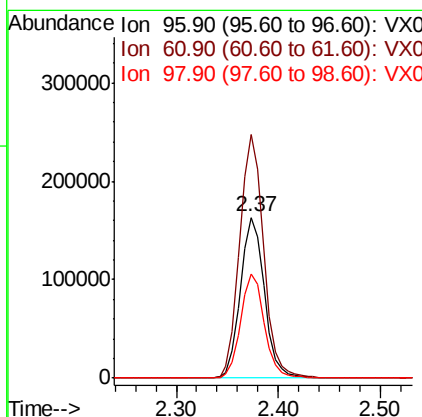
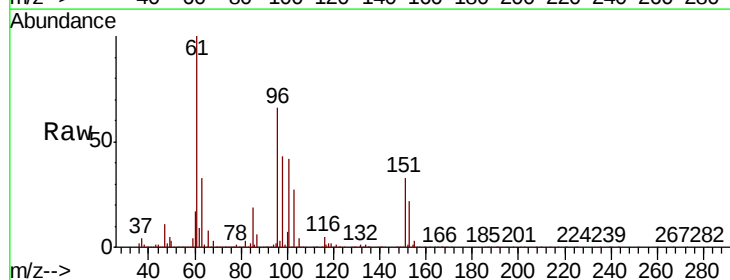
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

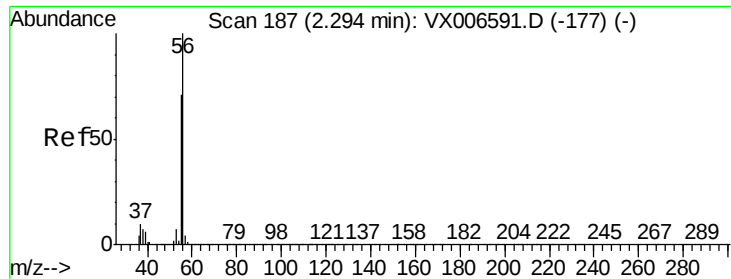
Tgt Ion: 59 Resp: 367807
Ion Ratio Lower Upper
59 100
57 10.6 8.5 12.7



#12
1,1-Dichloroethene
Concen: 47.656 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX006591.D
Acq: 18 Dec 2018 12:04

Tgt Ion: 96 Resp: 265493
Ion Ratio Lower Upper
96 100
61 151.8 121.4 182.2
98 64.9 51.9 77.9





#13

Acrolein

Concen: 239.581 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX006591.D

Acq: 18 Dec 2018 12:04

Instrument :

MSVOA_X

ClientSampleId :

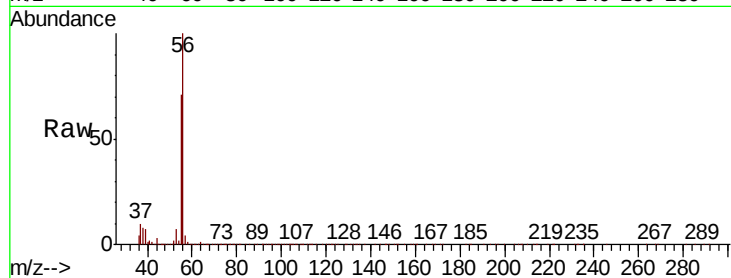
VSTDICCC050

Tgt Ion: 56 Resp: 242392

Ion Ratio Lower Upper

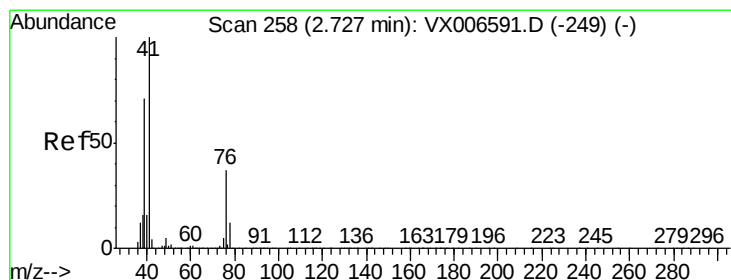
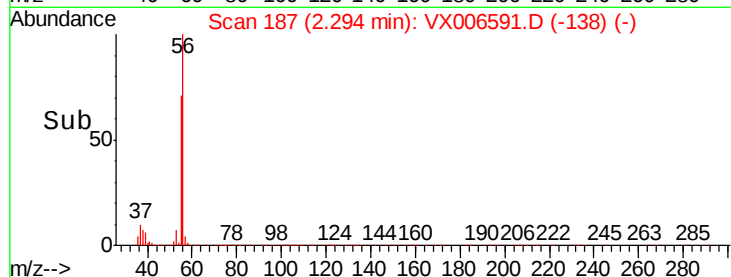
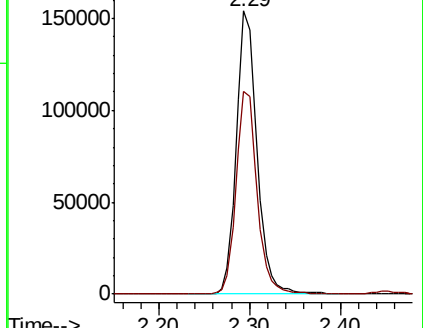
56 100

55 72.8 58.2 87.4



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 48.885 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX006591.D

Acq: 18 Dec 2018 12:04

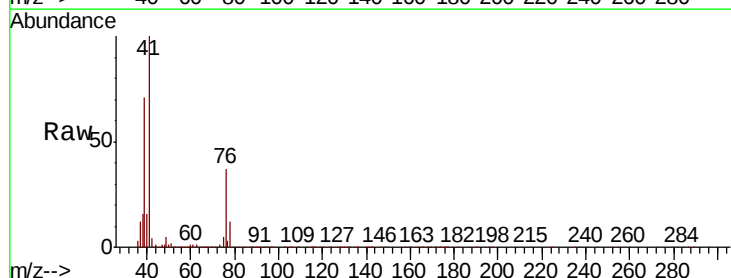
Tgt Ion: 41 Resp: 458412

Ion Ratio Lower Upper

41 100

39 67.0 53.6 80.4

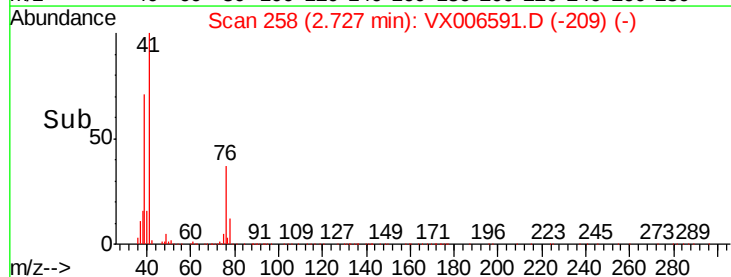
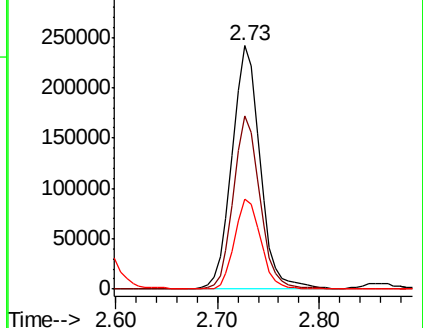
76 34.3 27.4 41.2

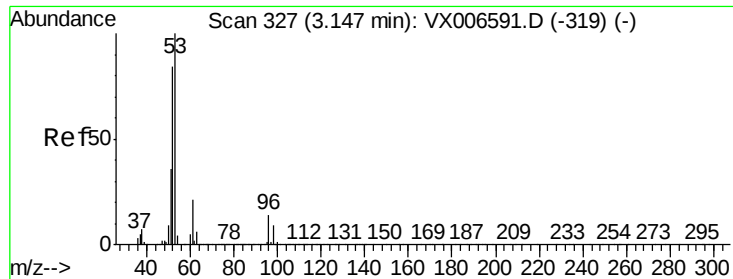


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0

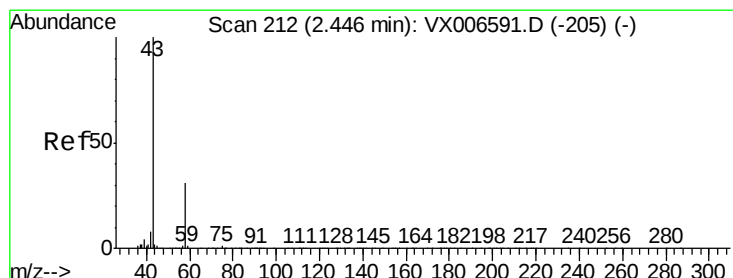
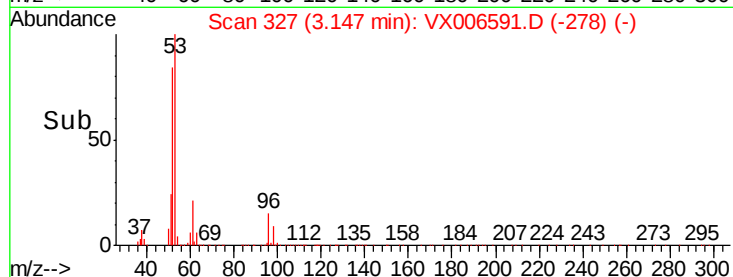
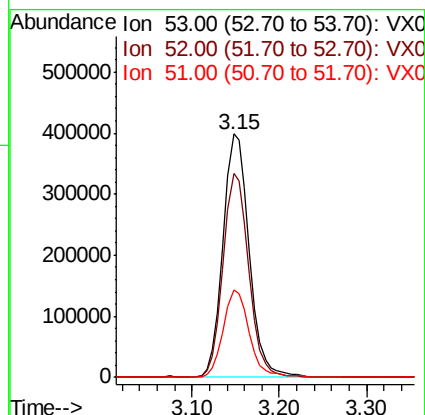
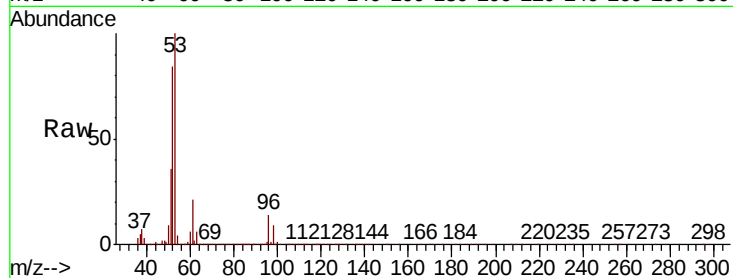




#15
Acrylonitrile
Concen: 247.258 ug/l
RT: 3.15 min Scan# 327
Delta R.T. 0.00 min
Lab File: VX006591.D
Acq: 18 Dec 2018 12:04

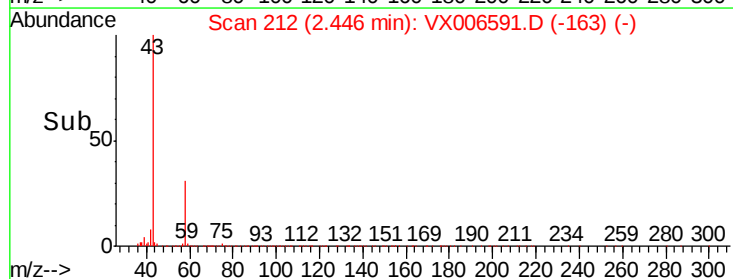
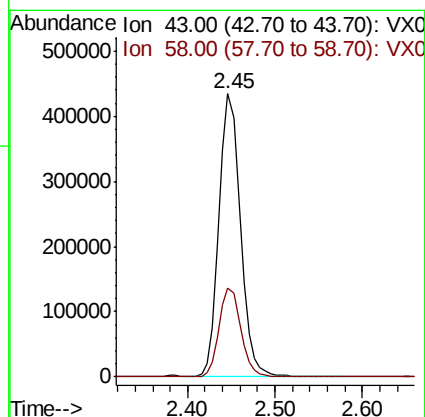
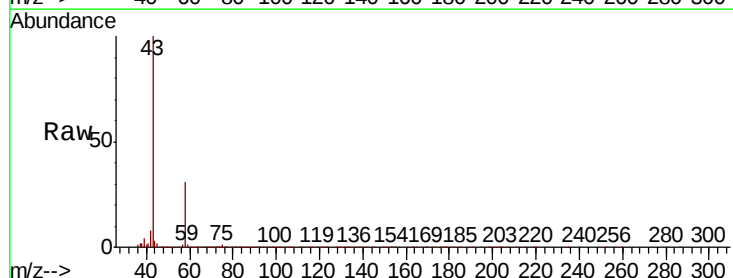
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

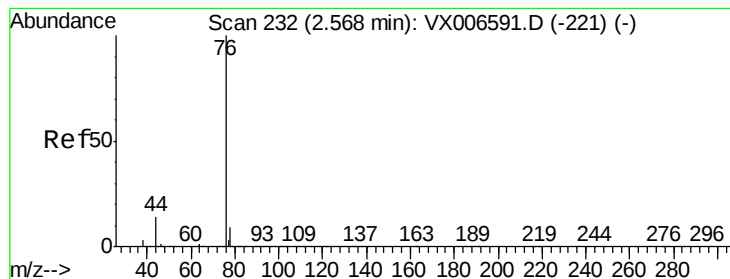
Tgt Ion: 53 Resp: 823341
Ion Ratio Lower Upper
53 100
52 82.5 66.0 99.0
51 35.7 28.6 42.8



#16
Acetone
Concen: 239.095 ug/l
RT: 2.45 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX006591.D
Acq: 18 Dec 2018 12:04

Tgt Ion: 43 Resp: 738184
Ion Ratio Lower Upper
43 100
58 31.3 25.0 37.6





#17

Carbon Disulfide

Concen: 47.243 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX006591.D

Acq: 18 Dec 2018 12:04

Instrument :

MSVOA_X

ClientSampleId :

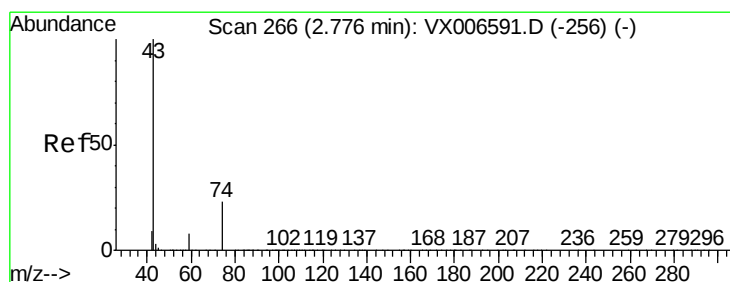
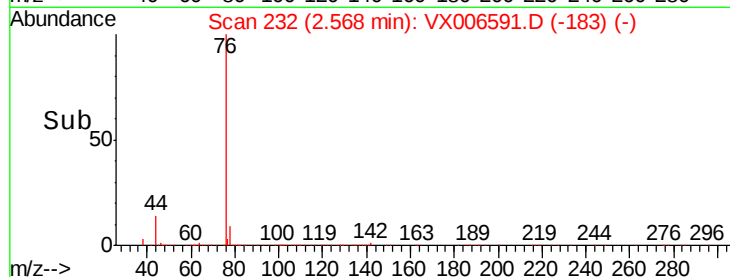
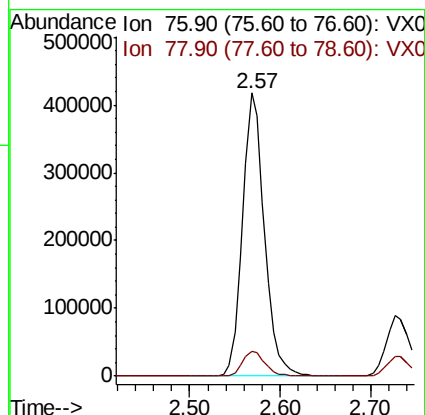
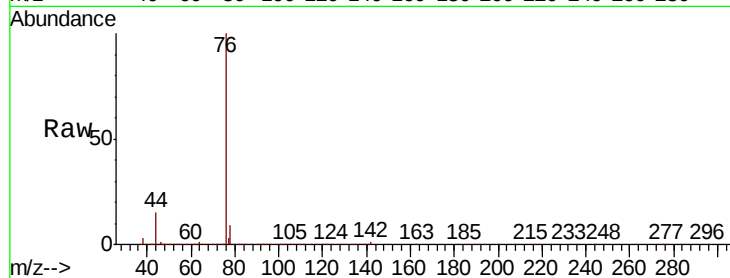
VSTDICCC050

Tgt Ion: 76 Resp: 696496

Ion Ratio Lower Upper

76 100

78 8.8 7.0 10.6



#18

Methyl Acetate

Concen: 48.734 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX006591.D

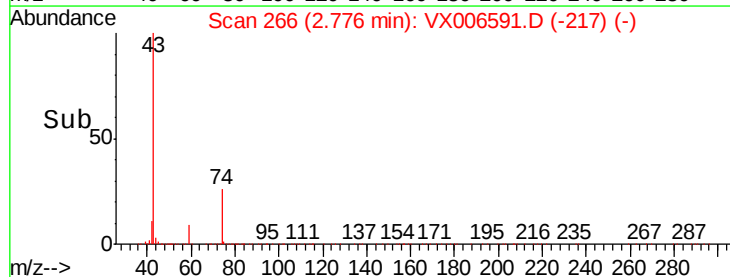
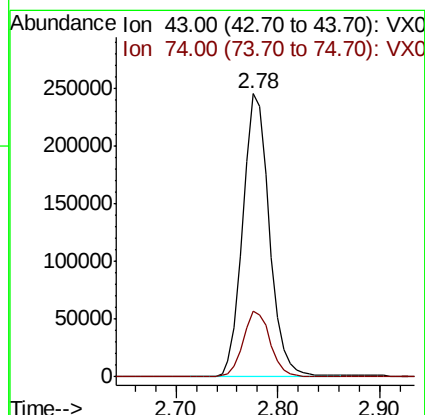
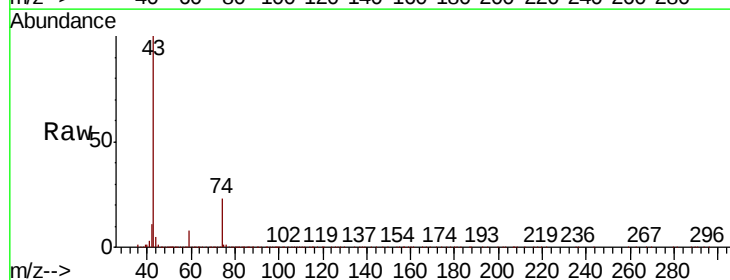
Acq: 18 Dec 2018 12:04

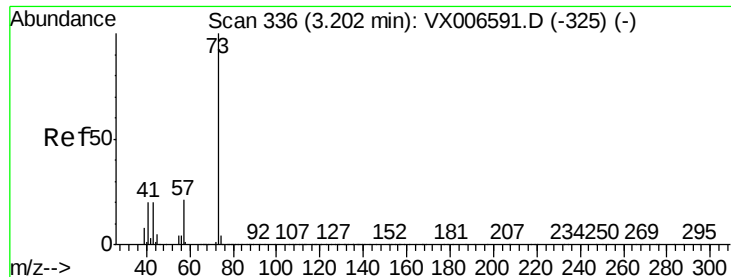
Tgt Ion: 43 Resp: 442428

Ion Ratio Lower Upper

43 100

74 23.3 18.6 28.0





#19

Methyl tert-butyl Ether

Concen: 49.218 ug/l

RT: 3.20 min Scan# 336

Delta R.T. 0.00 min

Lab File: VX006591.D

Acq: 18 Dec 2018 12:04

Instrument :

MSVOA_X

ClientSampleId :

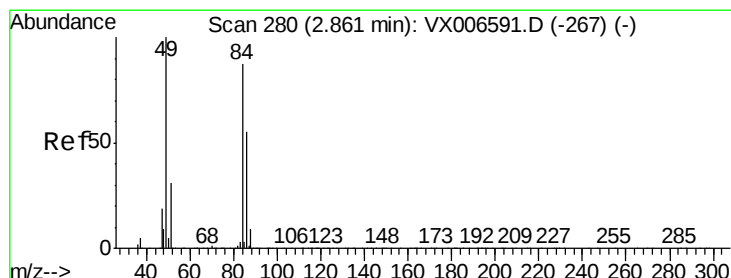
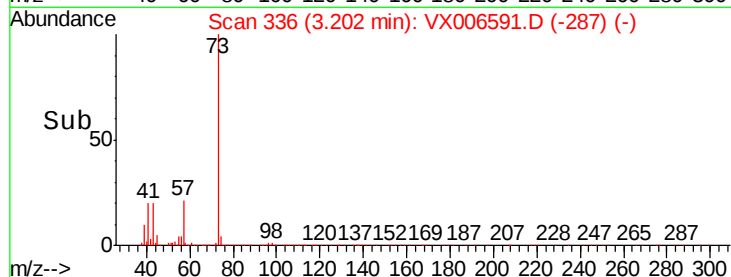
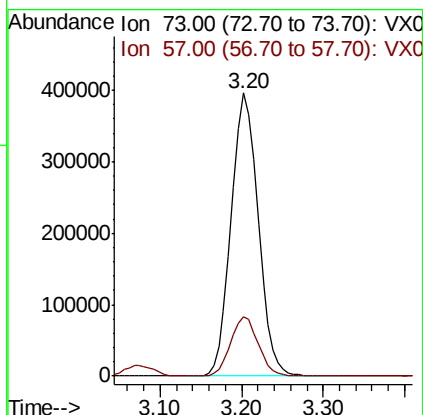
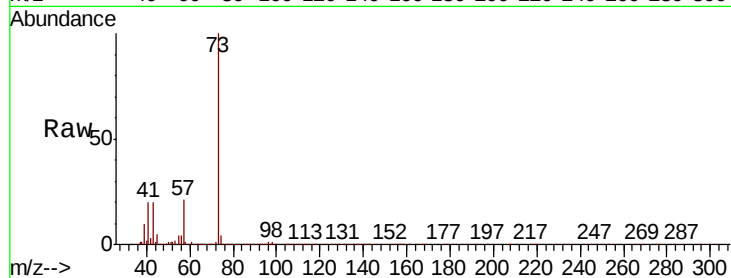
VSTDICCC050

Tgt Ion: 73 Resp: 910062

Ion Ratio Lower Upper

73 100

57 21.0 16.8 25.2



#20

Methylene Chloride

Concen: 46.465 ug/l

RT: 2.86 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX006591.D

Acq: 18 Dec 2018 12:04

Tgt Ion: 84 Resp: 296644

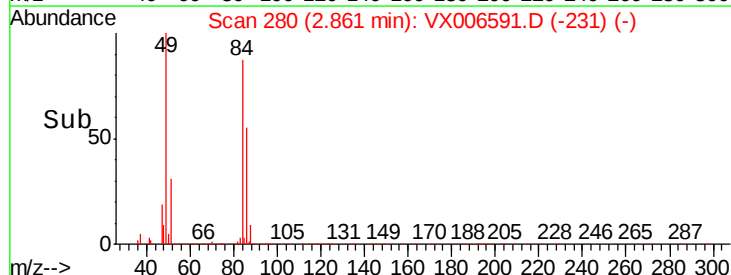
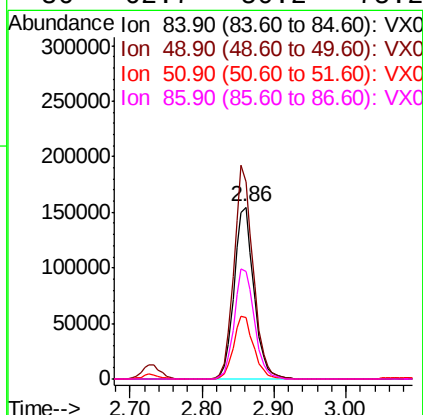
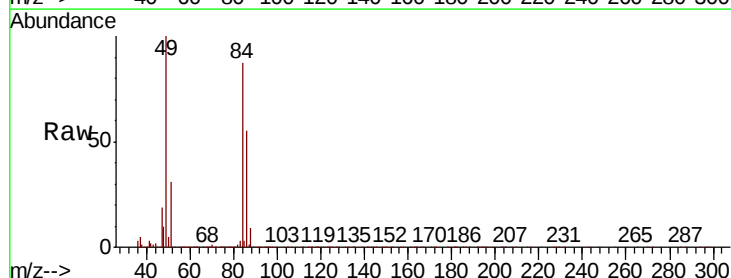
Ion Ratio Lower Upper

84 100

49 114.7 91.8 137.6

51 35.6 28.5 42.7

86 62.7 50.2 75.2





#21

trans-1,2-Dichloroethene

Concen: 46.145 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX006591.D

Acq: 18 Dec 2018 12:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

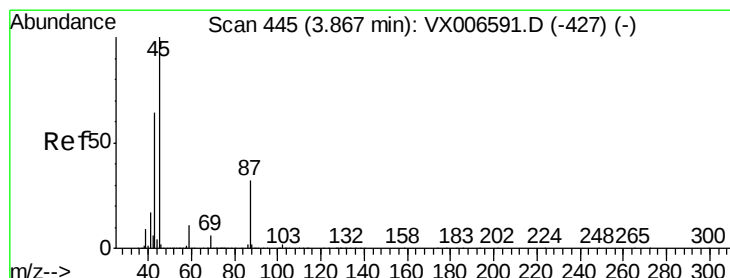
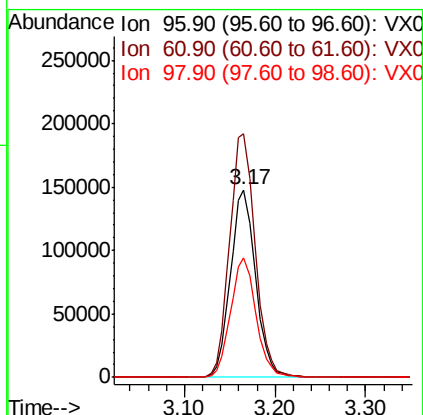
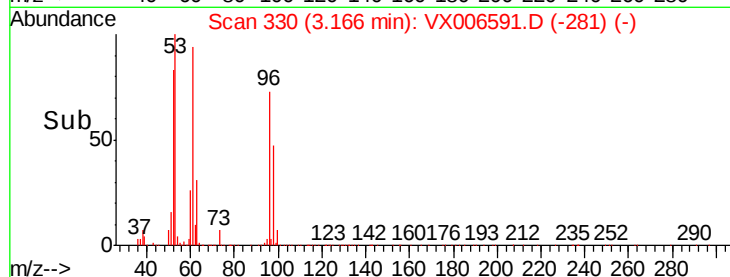
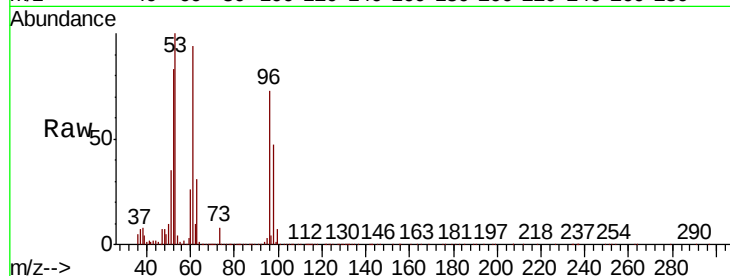
Tgt Ion: 96 Resp: 284838

Ion Ratio Lower Upper

96 100

61 129.6 103.7 155.5

98 63.8 51.0 76.6



#22

Diisopropyl ether

Concen: 49.427 ug/l

RT: 3.87 min Scan# 445

Delta R.T. 0.00 min

Lab File: VX006591.D

Acq: 18 Dec 2018 12:04

Tgt Ion: 45 Resp: 847926

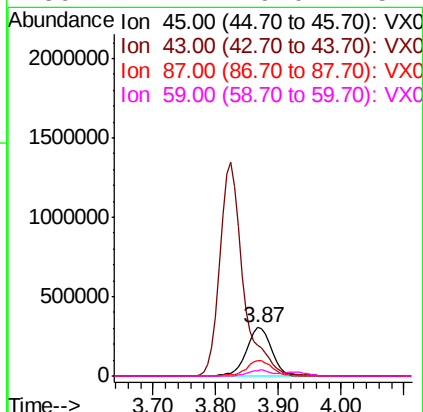
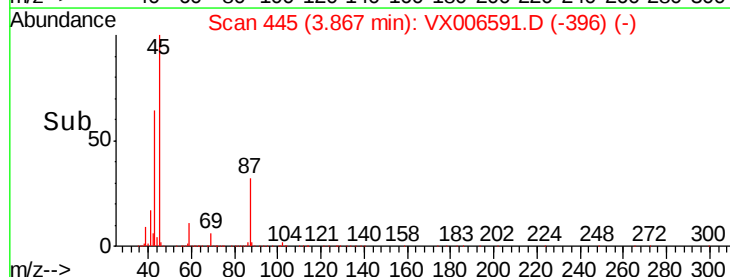
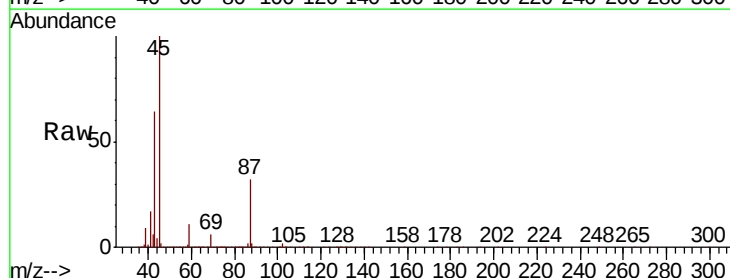
Ion Ratio Lower Upper

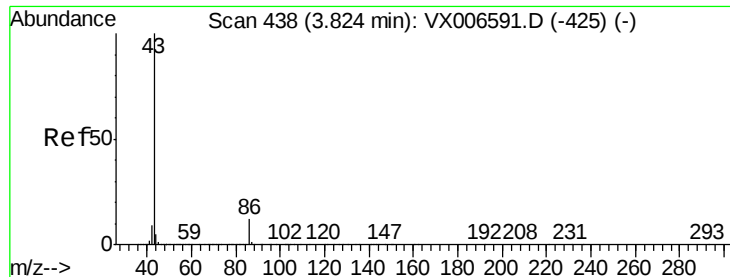
45 100

43 64.0 51.2 76.8

87 32.2 25.8 38.6

59 11.2 9.0 13.4





#23

Vinyl Acetate

Concen: 248.487 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.00 min

Lab File: VX006591.D

Acq: 18 Dec 2018 12:04

Instrument :

MSVOA_X

ClientSampleId :

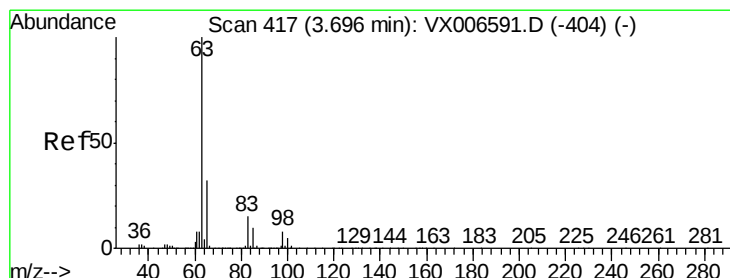
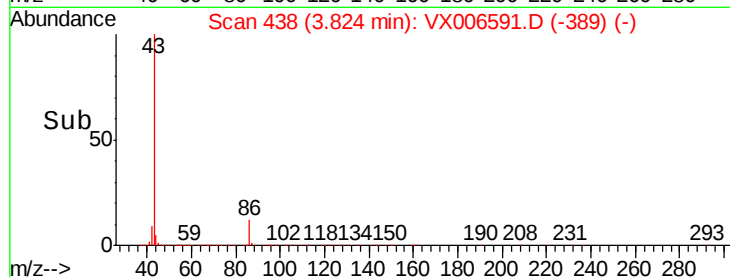
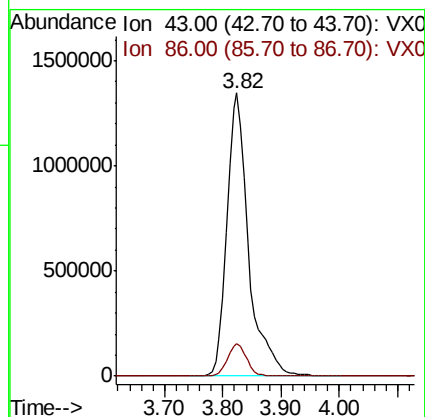
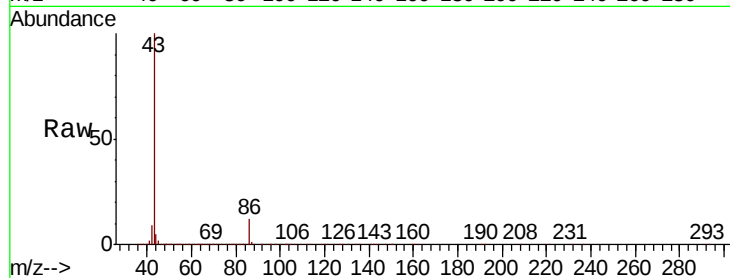
VSTDICCC050

Tgt Ion: 43 Resp: 3486879

Ion Ratio Lower Upper

43 100

86 11.5 9.2 13.8



#24

1,1-Dichloroethane

Concen: 46.810 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX006591.D

Acq: 18 Dec 2018 12:04

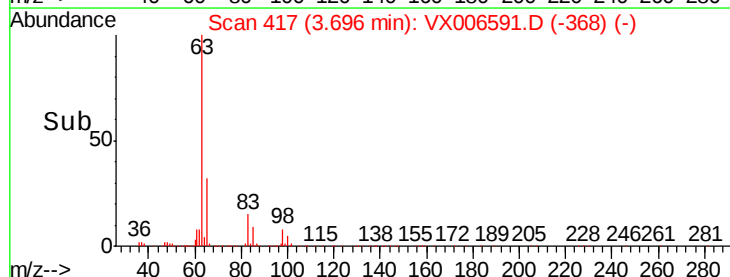
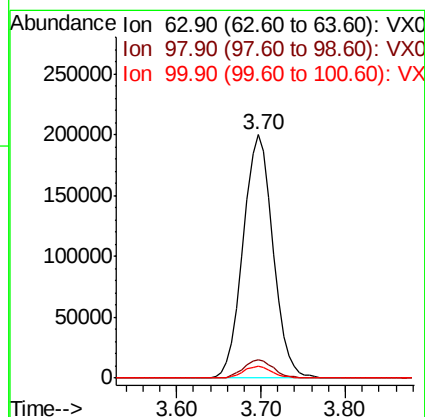
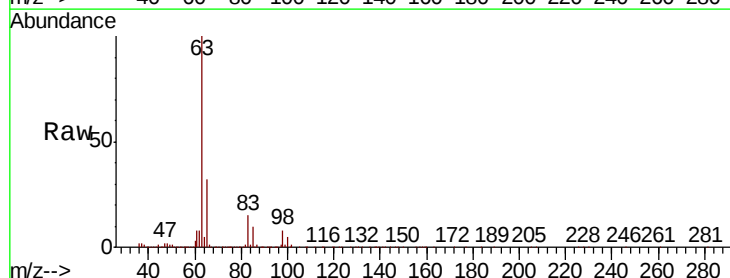
Tgt Ion: 63 Resp: 479381

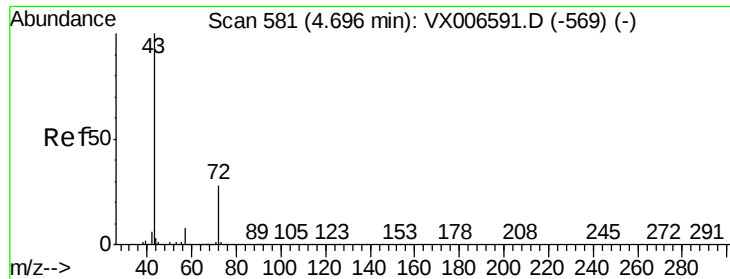
Ion Ratio Lower Upper

63 100

98 7.7 3.9 11.5

100 4.8 2.4 7.2





#25

2-Butanone

Concen: 244.486 ug/l

RT: 4.70 min Scan# 581

Delta R.T. 0.00 min

Lab File: VX006591.D

Acq: 18 Dec 2018 12:04

Instrument :

MSVOA_X

ClientSampleId :

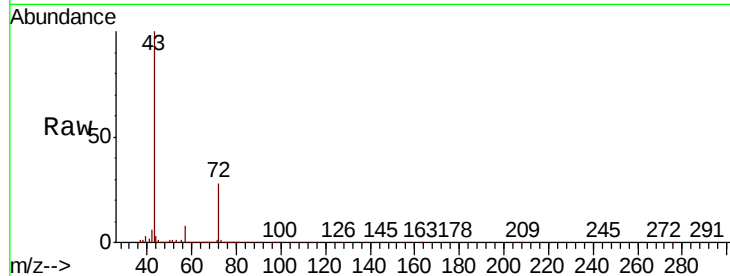
VSTDICCC050

Tgt Ion: 43 Resp: 1061761

Ion Ratio Lower Upper

43 100

72 28.0 22.4 33.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.70

400000

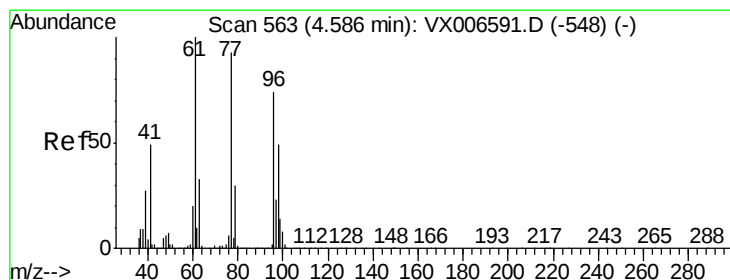
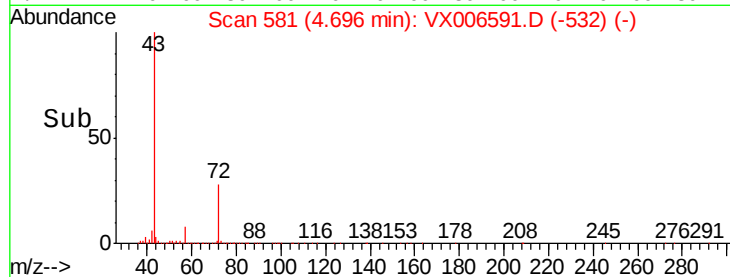
300000

200000

100000

0

Time-->



#26

2,2-Dichloropropane

Concen: 48.970 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.00 min

Lab File: VX006591.D

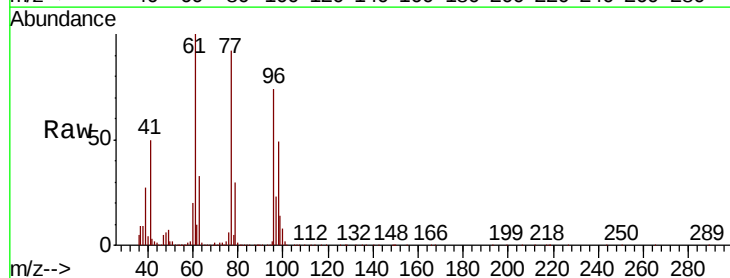
Acq: 18 Dec 2018 12:04

Tgt Ion: 77 Resp: 387387

Ion Ratio Lower Upper

77 100

97 24.9 12.4 37.4



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

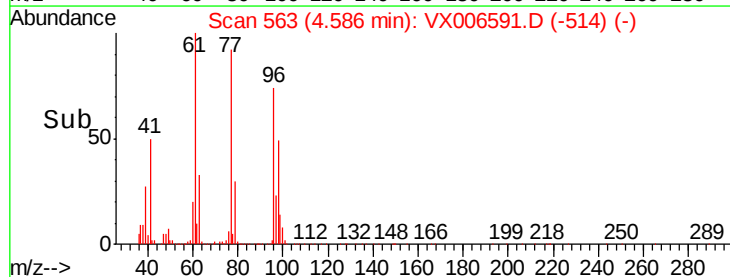
4.59

100000

50000

0

Time-->



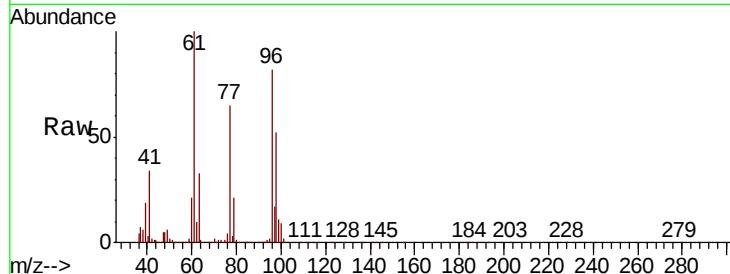


#27

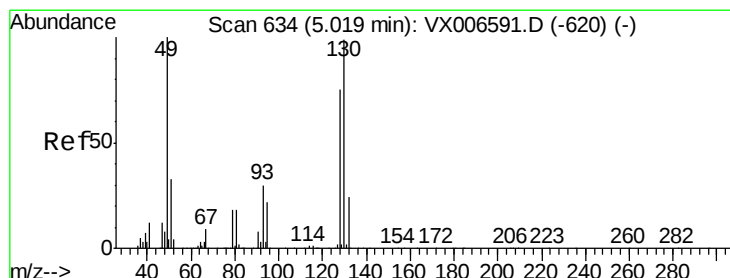
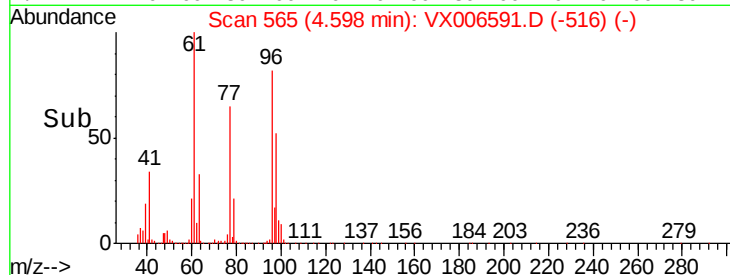
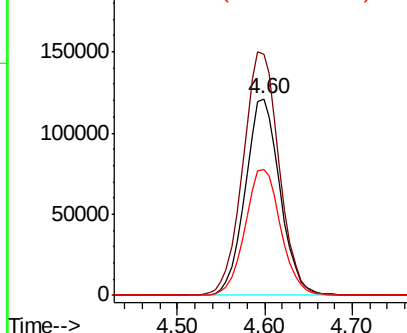
cis-1,2-Dichloroethene
Concen: 48.970 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX006591.D
Acq: 18 Dec 2018 12:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 96 Resp: 333506
Ion Ratio Lower Upper
96 100
61 129.3 0.0 258.6
98 66.0 0.0 132.0



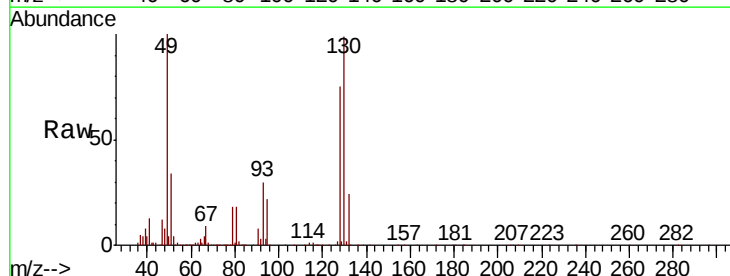
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



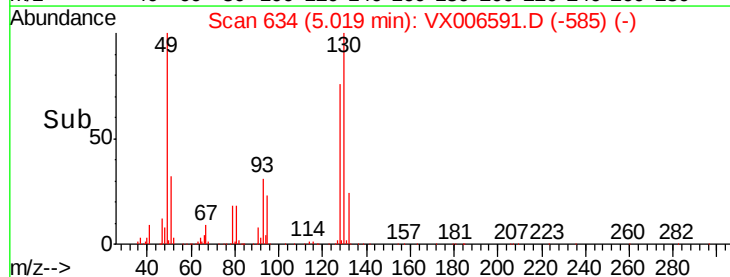
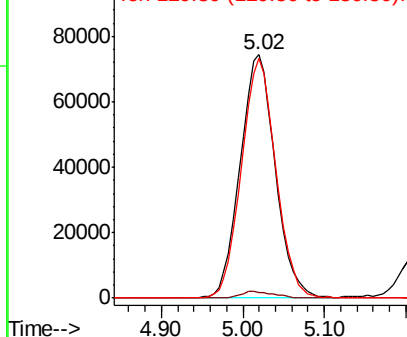
#28

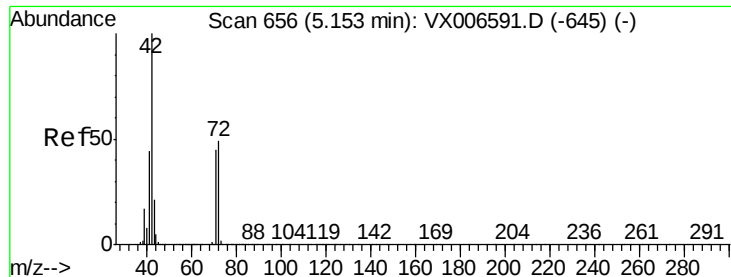
Bromochloromethane
Concen: 46.977 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.00 min
Lab File: VX006591.D
Acq: 18 Dec 2018 12:04

Tgt Ion: 49 Resp: 221192
Ion Ratio Lower Upper
49 100
129 2.7 0.0 5.4
130 97.1 77.7 116.5



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





#29

Tetrahydrofuran

Concen: 245.778 ug/l

RT: 5.15 min Scan# 656

Delta R.T. 0.00 min

Lab File: VX006591.D

Acq: 18 Dec 2018 12:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

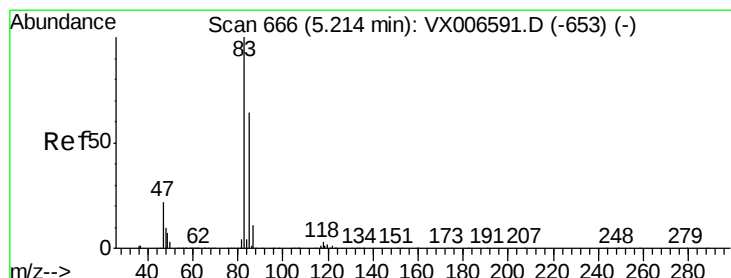
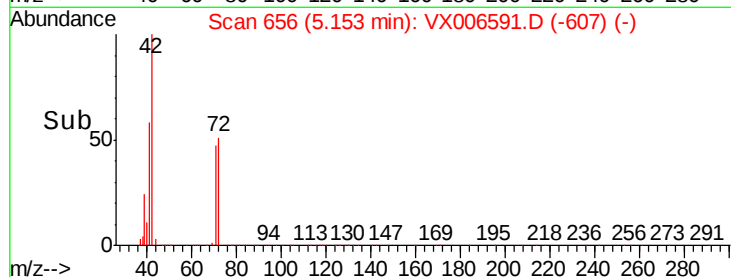
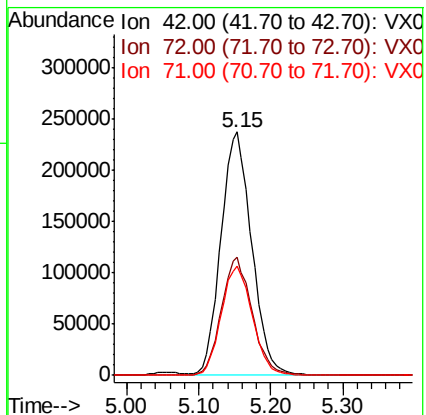
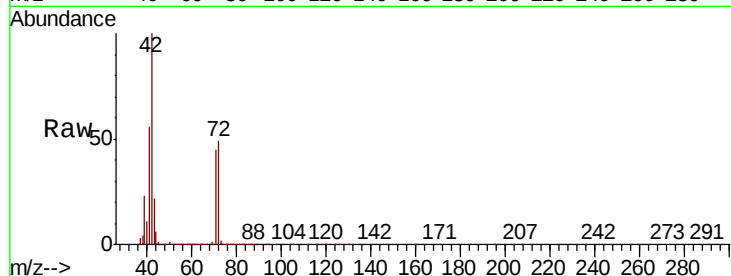
Tgt Ion: 42 Resp: 703007

Ion Ratio Lower Upper

42 100

72 48.6 38.9 58.3

71 45.3 36.2 54.4



#30

Chloroform

Concen: 48.623 ug/l

RT: 5.21 min Scan# 666

Delta R.T. 0.00 min

Lab File: VX006591.D

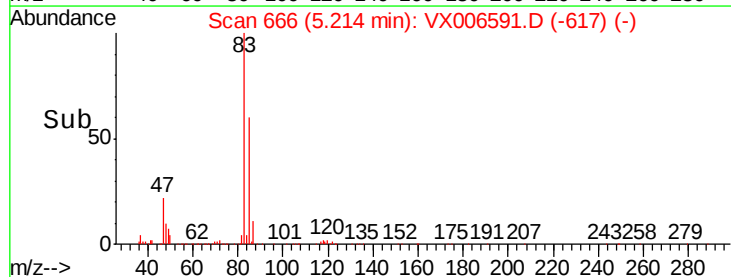
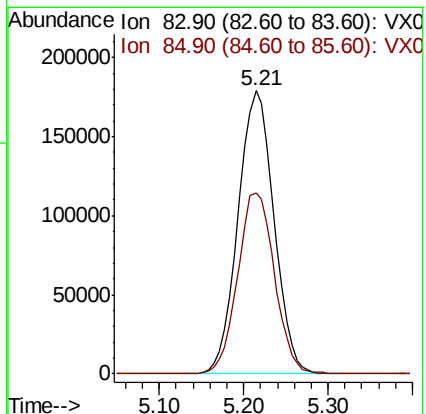
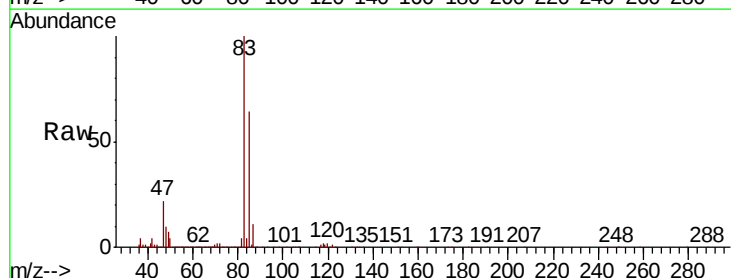
Acq: 18 Dec 2018 12:04

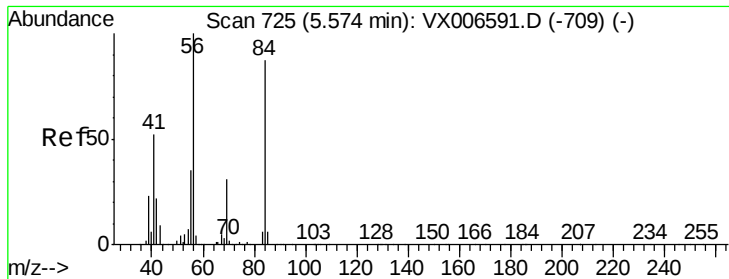
Tgt Ion: 83 Resp: 515649

Ion Ratio Lower Upper

83 100

85 64.0 51.2 76.8





#31

Cyclohexane

Concen: 48.607 ug/l

RT: 5.57 min Scan# 725

Delta R.T. 0.00 min

Lab File: VX006591.D

Acq: 18 Dec 2018 12:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

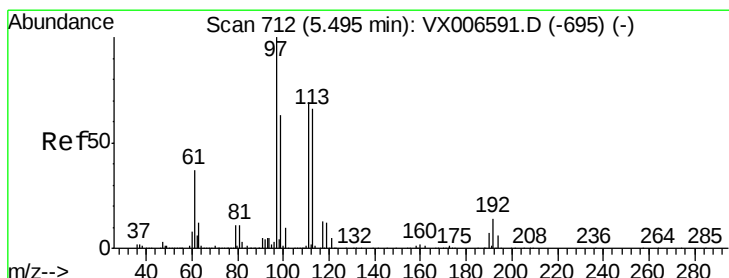
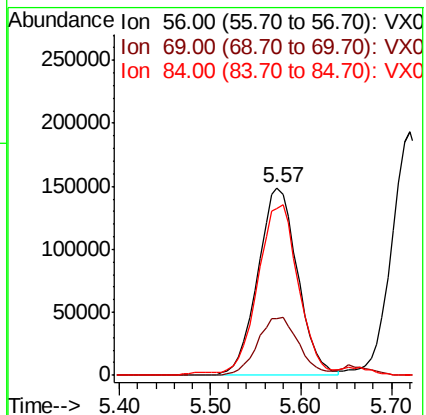
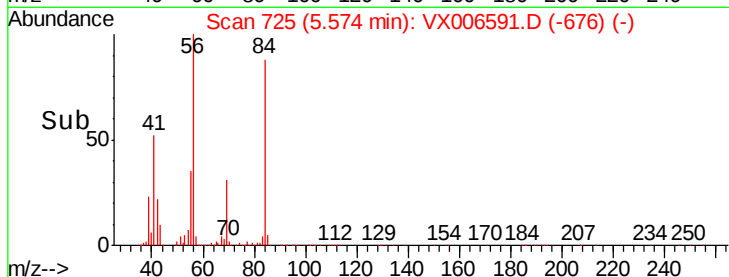
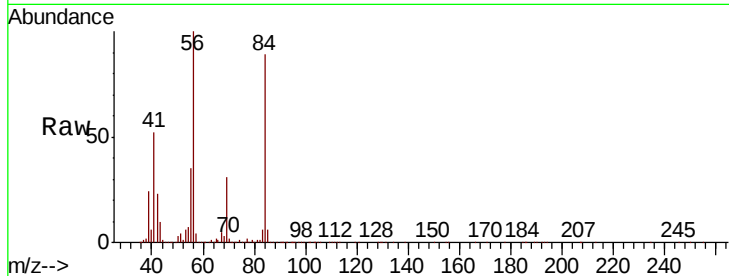
Tgt Ion: 56 Resp: 452222

Ion Ratio Lower Upper

56 100

69 30.5 24.4 36.6

84 87.5 70.0 105.0



#32

1,1,1-Trichloroethane

Concen: 50.790 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX006591.D

Acq: 18 Dec 2018 12:04

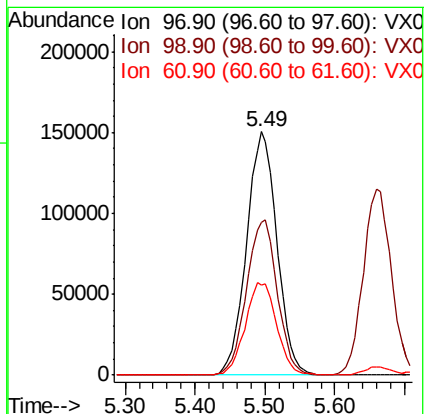
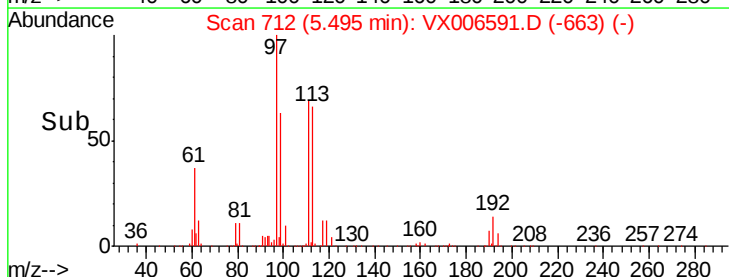
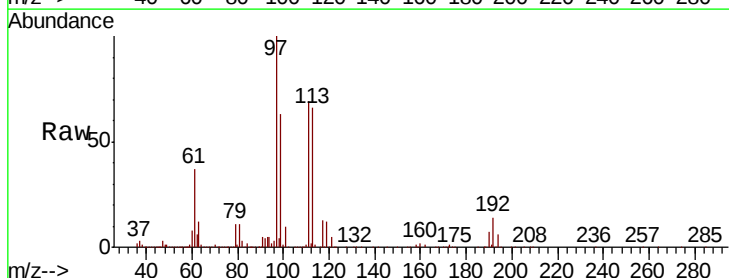
Tgt Ion: 97 Resp: 454806

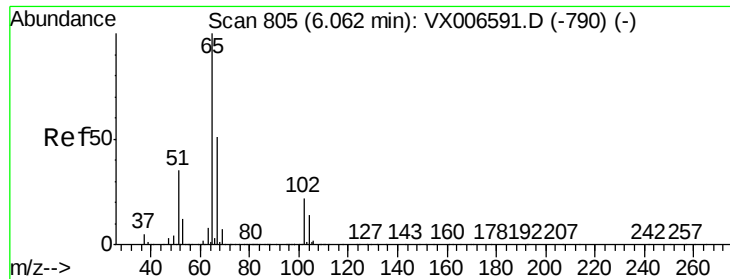
Ion Ratio Lower Upper

97 100

99 64.6 51.7 77.5

61 39.1 31.3 46.9





#33

1,2-Dichloroethane-d4

Concen: 50.156 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX006591.D

Acq: 18 Dec 2018 12:04

Instrument :

MSVOA_X

ClientSampleId :

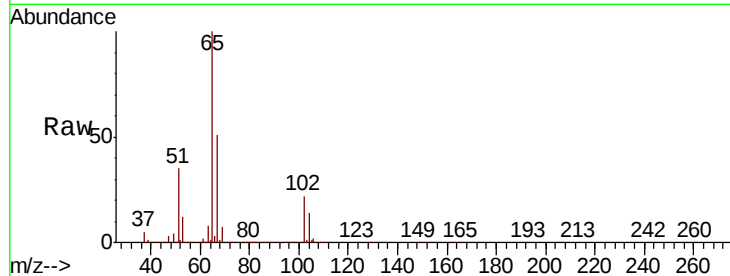
VSTDICCC050

Tgt Ion: 65 Resp: 337052

Ion Ratio Lower Upper

65 100

67 52.5 0.0 105.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.06

150000

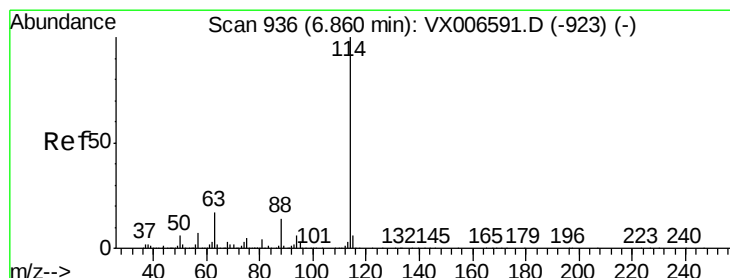
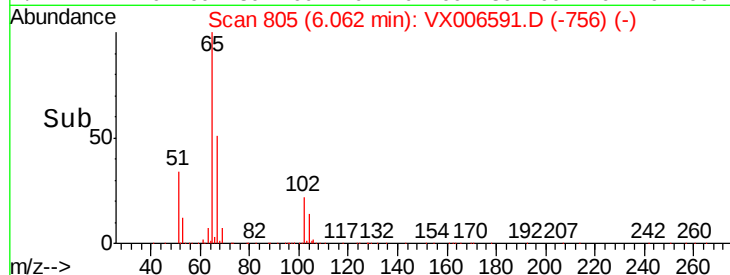
100000

50000

0

Time-->

5.90 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: VX006591.D

Acq: 18 Dec 2018 12:04

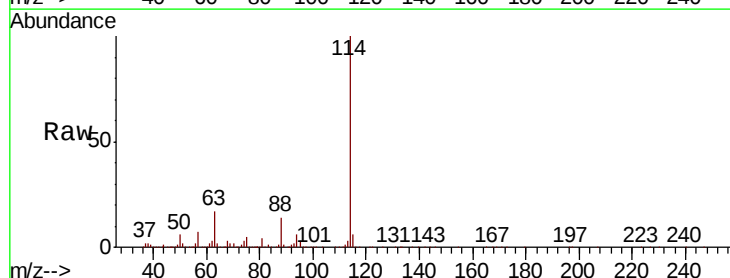
Tgt Ion: 114 Resp: 971059

Ion Ratio Lower Upper

114 100

63 17.4 0.0 34.8

88 14.4 0.0 28.8



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

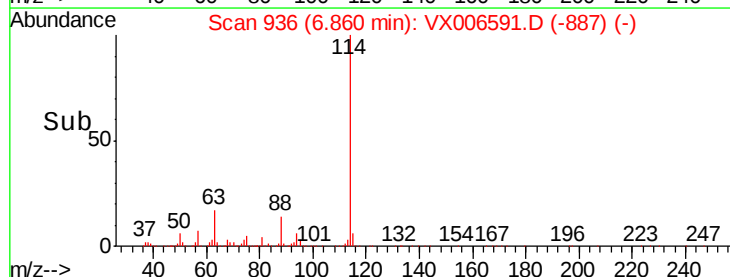
200000

100000

0

Time-->

6.70 6.80 6.90 7.00 7.10





#35

Dibromofluoromethane

Concen: 49.751 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX006591.D

Acq: 18 Dec 2018 12:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

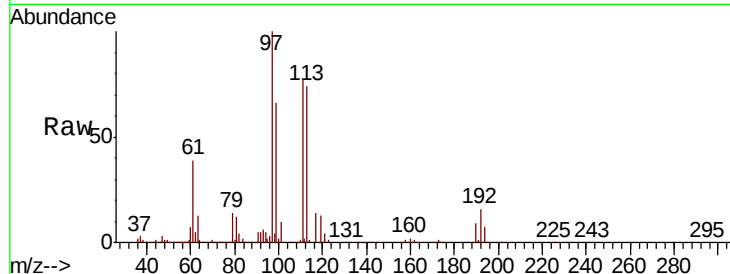
Tgt Ion:113 Resp: 305513

Ion Ratio Lower Upper

113 100

111 102.0 81.6 122.4

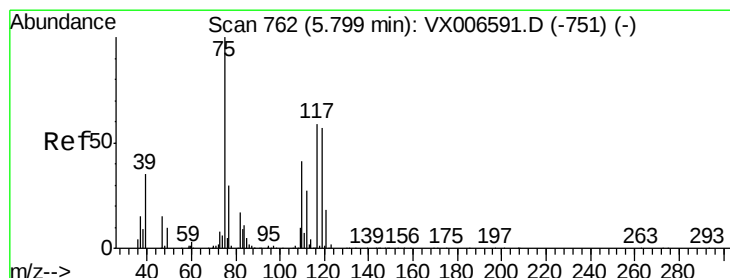
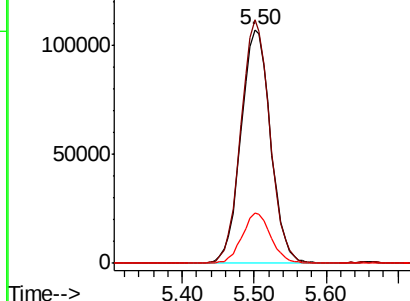
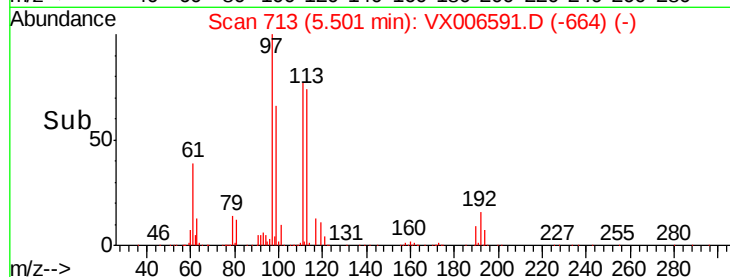
192 20.9 16.7 25.1



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: 48.427 ug/l

RT: 5.80 min Scan# 762

Delta R.T. 0.00 min

Lab File: VX006591.D

Acq: 18 Dec 2018 12:04

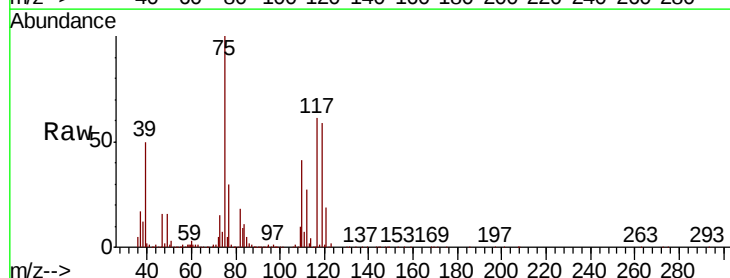
Tgt Ion: 75 Resp: 389483

Ion Ratio Lower Upper

75 100

110 40.3 20.2 60.5

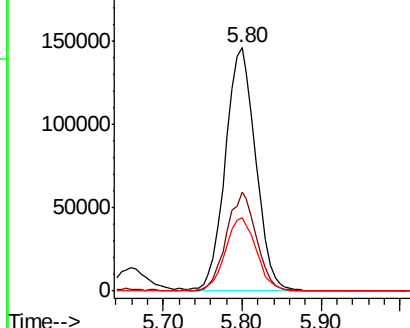
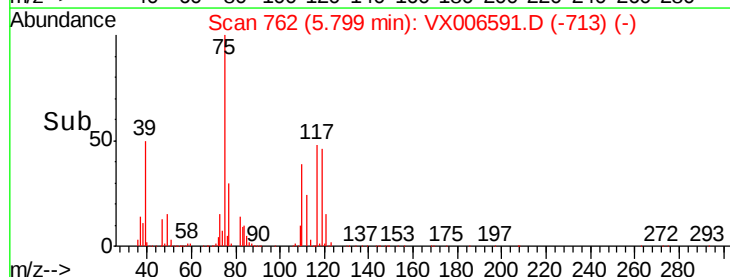
77 31.0 24.8 37.2



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

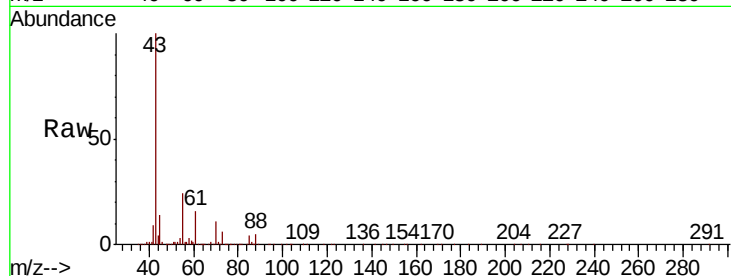




#37
Ethyl Acetate
Concen: 47.585 ug/l
RT: 4.85 min Scan# 607
Delta R.T. 0.00 min
Lab File: VX006591.D
Acq: 18 Dec 2018 12:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion	Ratio	Lower	Upper
43	100		
61	14.9	11.9	17.9
70	12.1	9.7	14.5

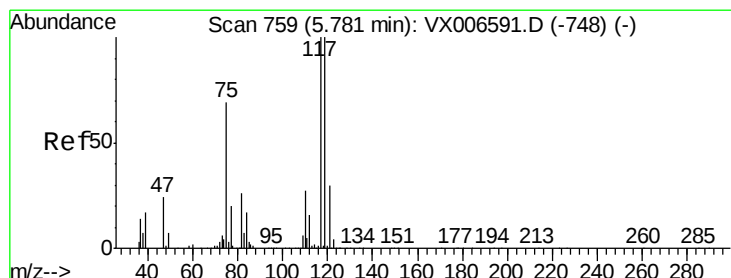
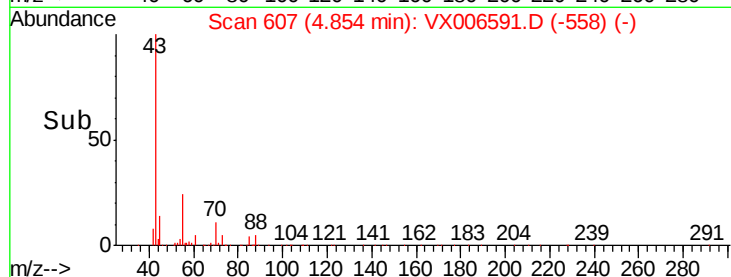
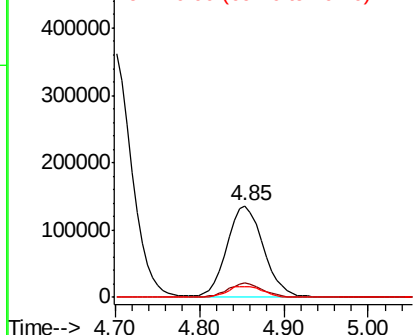


Abundance

Ion 43.00 (42.70 to 43.70): VX0

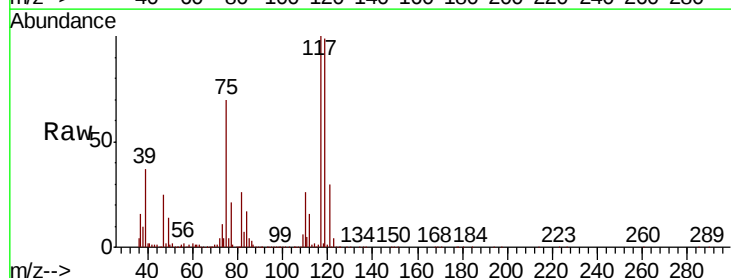
Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0



#38
Carbon Tetrachloride
Concen: 49.383 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX006591.D
Acq: 18 Dec 2018 12:04

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.3	79.4	119.2
121	30.0	24.0	36.0

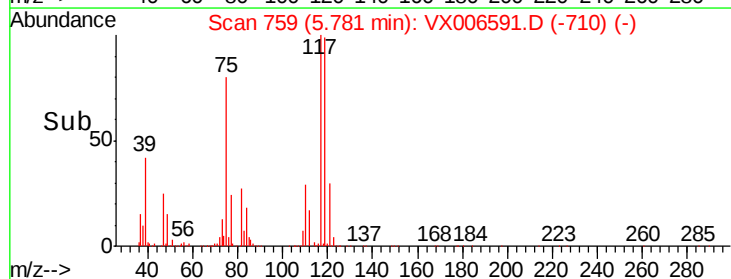
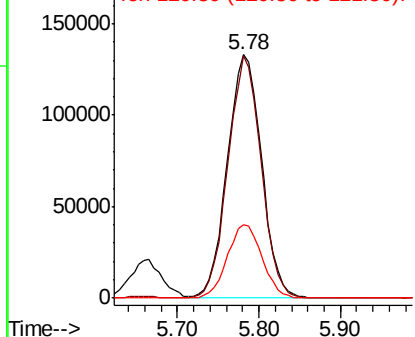


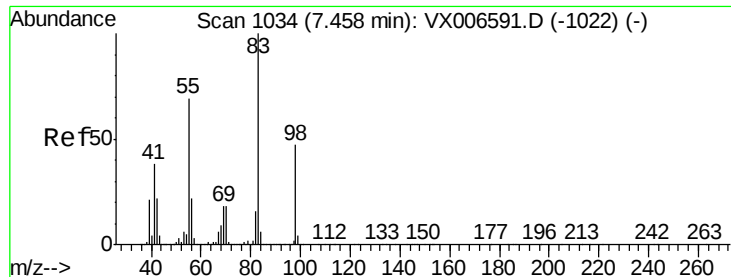
Abundance

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

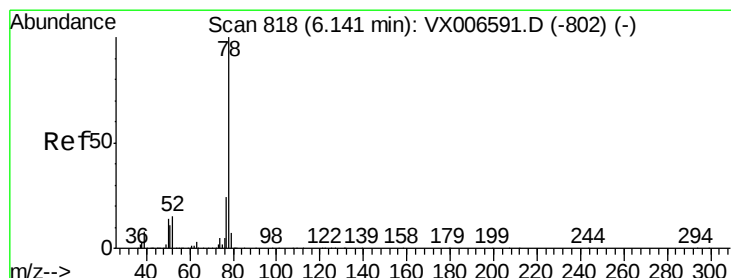
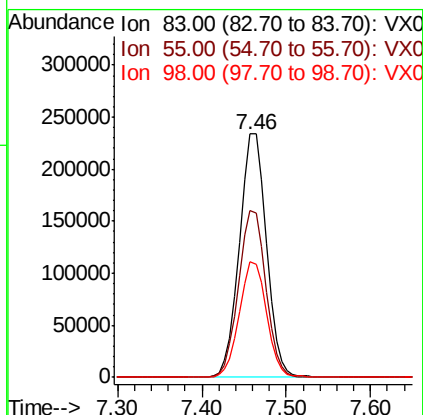
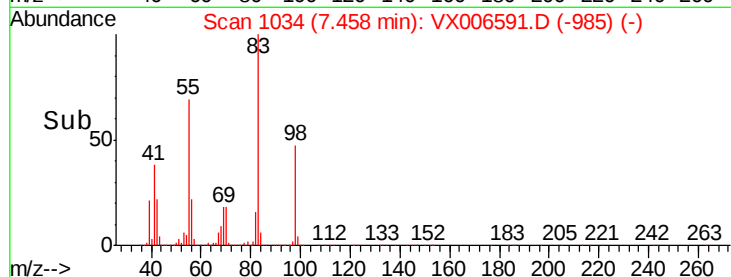
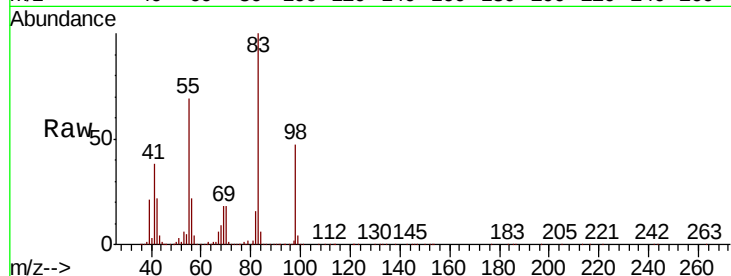




#39
Methylcyclohexane
Concen: 47.701 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. 0.00 min
Lab File: VX006591.D
Acq: 18 Dec 2018 12:04

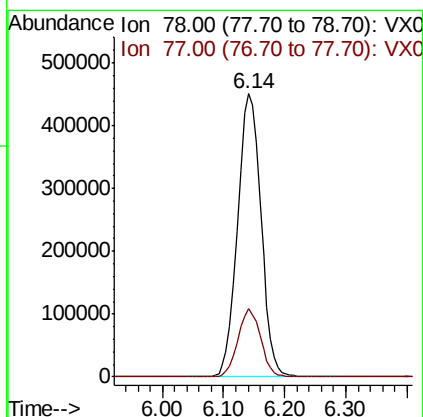
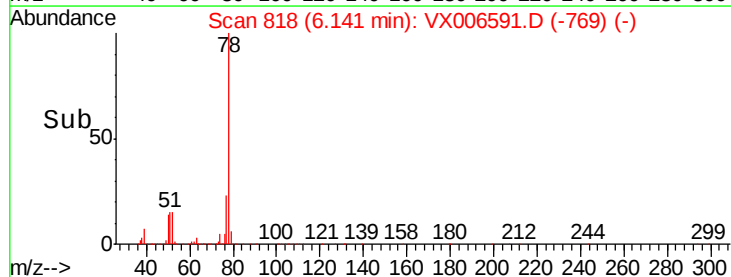
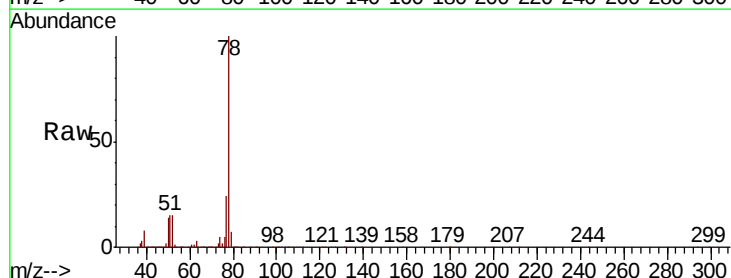
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

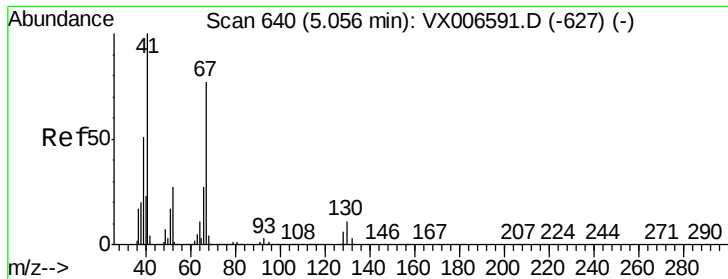
Tgt Ion	Ratio	Lower	Upper
83	100		
55	68.6	54.9	82.3
98	47.4	37.9	56.9



#40
Benzene
Concen: 48.501 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX006591.D
Acq: 18 Dec 2018 12:04

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.2	28.8





#41

Methacrylonitrile

Concen: 48.189 ug/l

RT: 5.06 min Scan# 640

Delta R.T. 0.00 min

Lab File: VX006591.D

Acq: 18 Dec 2018 12:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 41 Resp: 226683

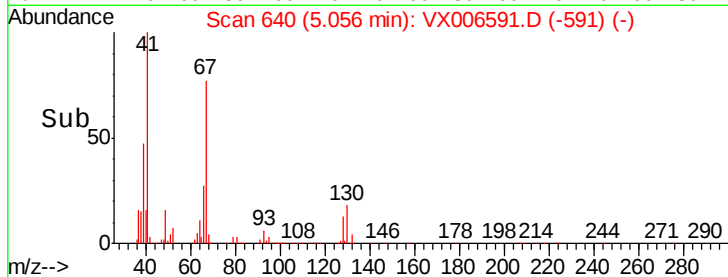
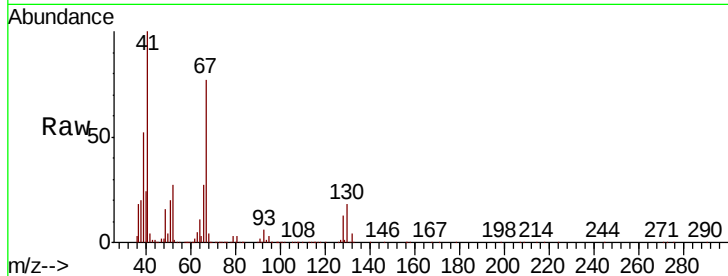
Ion Ratio Lower Upper

41 100

39 53.5 42.8 64.2

67 77.6 62.1 93.1

52 29.2 23.4 35.0

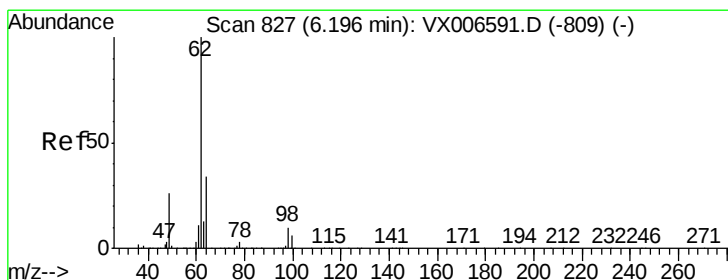
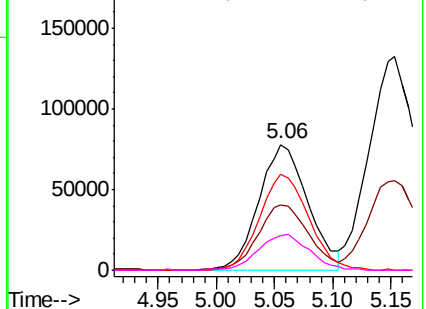


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 46.829 ug/l

RT: 6.20 min Scan# 827

Delta R.T. 0.00 min

Lab File: VX006591.D

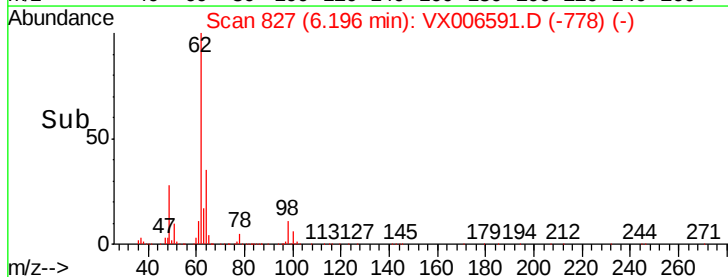
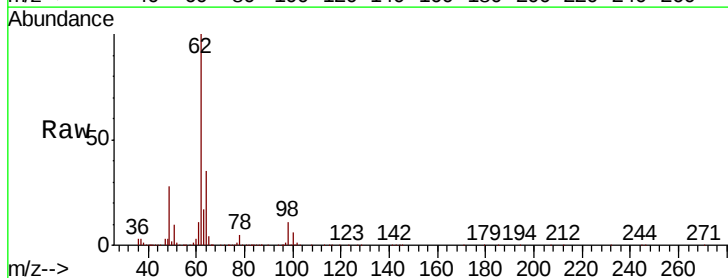
Acq: 18 Dec 2018 12:04

Tgt Ion: 62 Resp: 390108

Ion Ratio Lower Upper

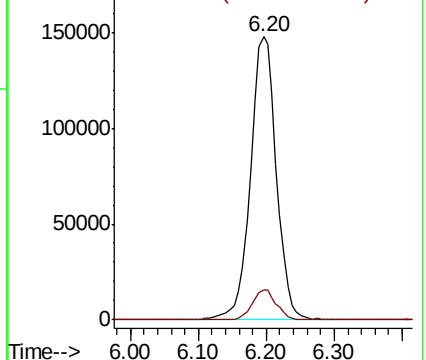
62 100

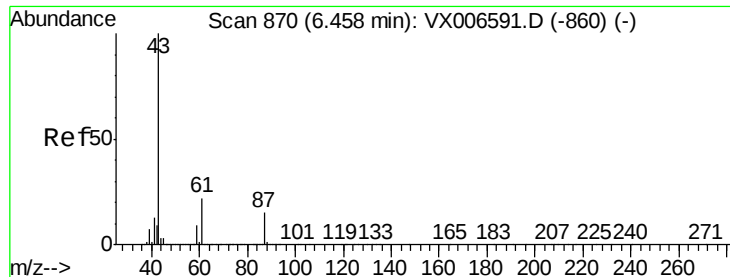
98 10.1 0.0 20.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 50.200 ug/l

RT: 6.46 min Scan# 870

Delta R.T. 0.00 min

Lab File: VX006591.D

Acq: 18 Dec 2018 12:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

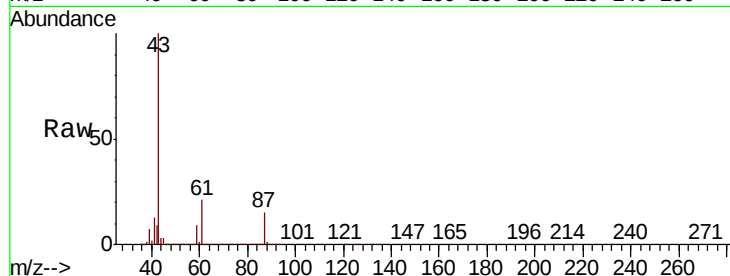
Tgt Ion: 43 Resp: 639381

Ion Ratio Lower Upper

43 100

61 21.0 16.8 25.2

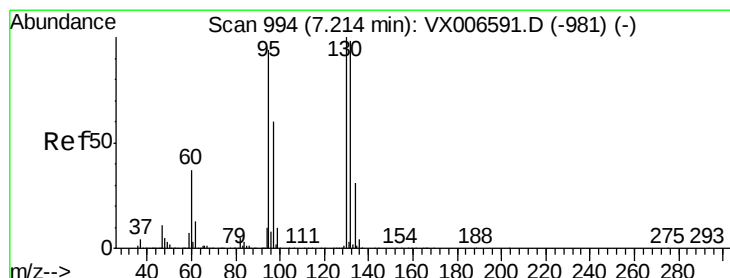
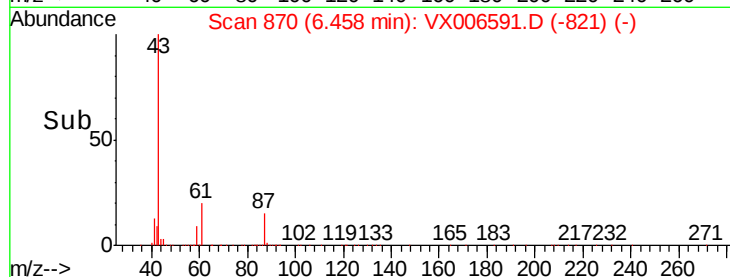
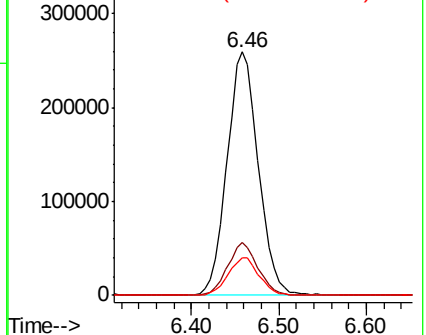
87 15.5 12.4 18.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#44

Trichloroethene

Concen: 47.047 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX006591.D

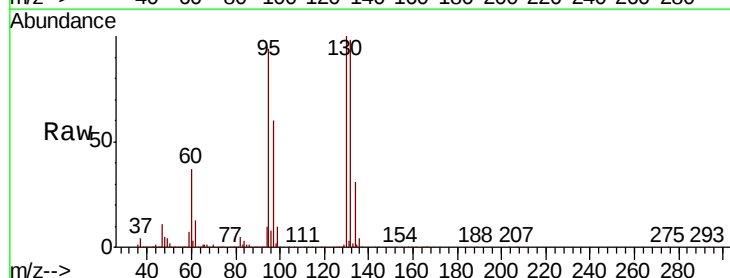
Acq: 18 Dec 2018 12:04

Tgt Ion:130 Resp: 348115

Ion Ratio Lower Upper

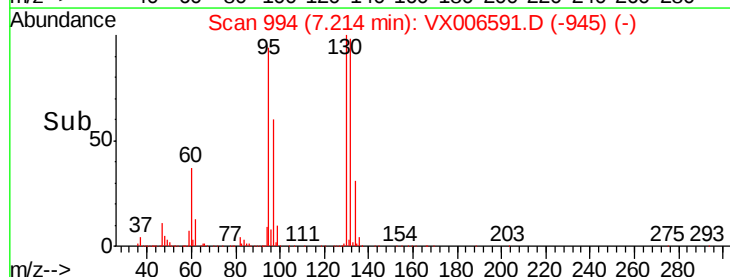
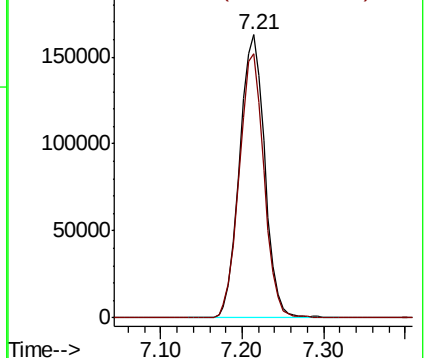
130 100

95 93.5 0.0 187.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#45

1,2-Dichloropropane

Concen: 47.216 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. 0.00 min

Lab File: VX006591.D

Acq: 18 Dec 2018 12:04

Instrument :

MSVOA_X

ClientSampleId :

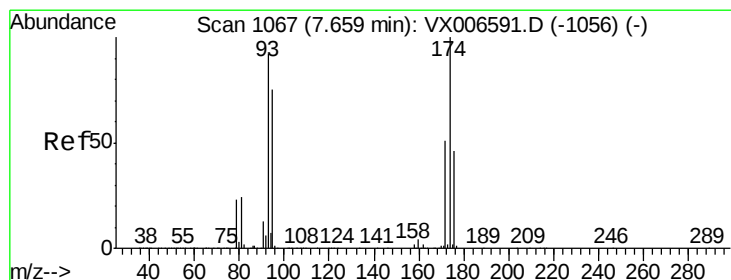
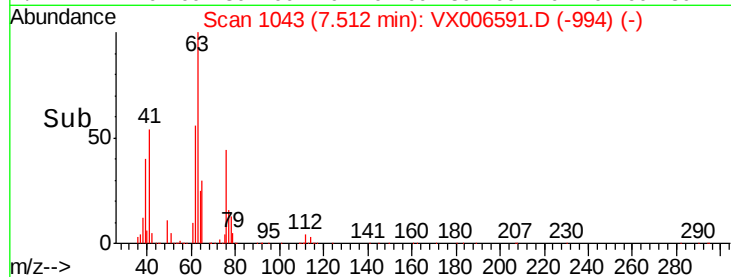
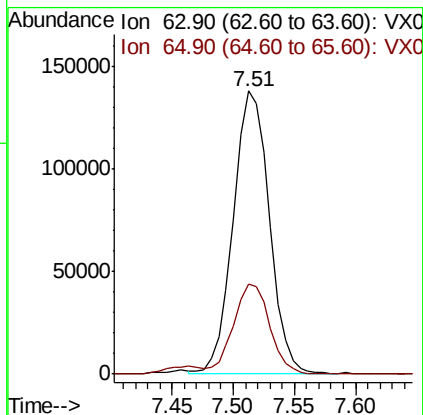
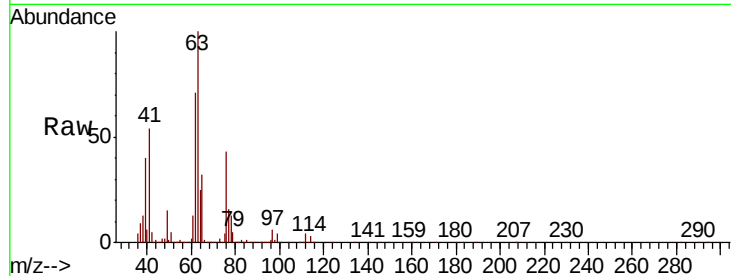
VSTDICCC050

Tgt Ion: 63 Resp: 280897

Ion Ratio Lower Upper

63 100

65 31.7 25.4 38.0



#46

Dibromomethane

Concen: 48.485 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX006591.D

Acq: 18 Dec 2018 12:04

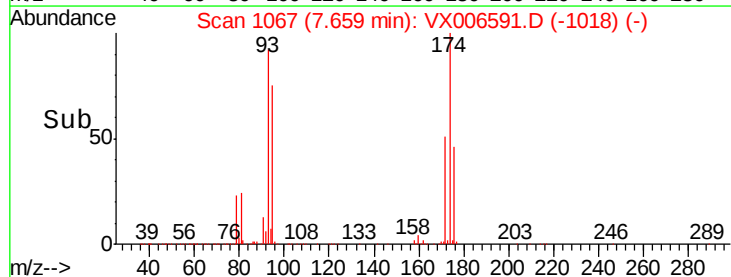
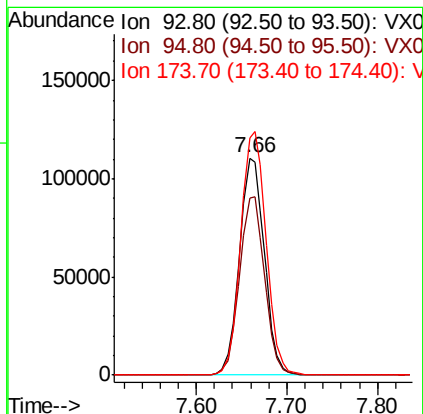
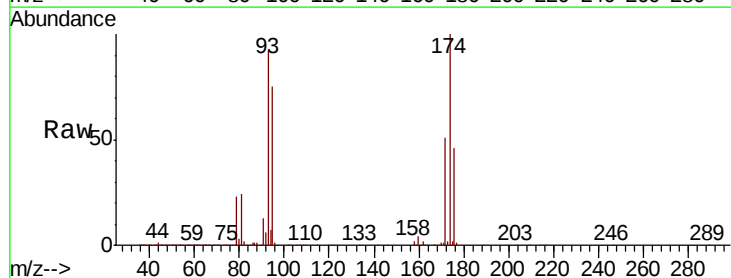
Tgt Ion: 93 Resp: 212166

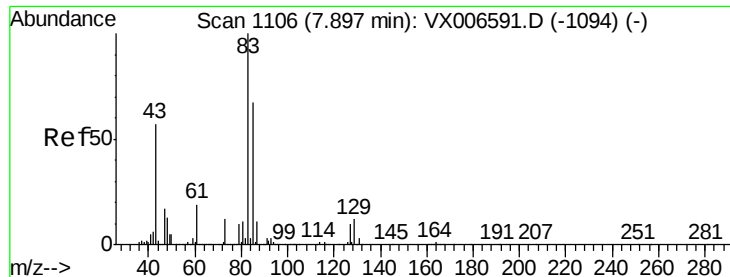
Ion Ratio Lower Upper

93 100

95 82.8 66.2 99.4

174 113.7 91.0 136.4





#47

Bromodichloromethane

Concen: 50.143 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX006591.D

Acq: 18 Dec 2018 12:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

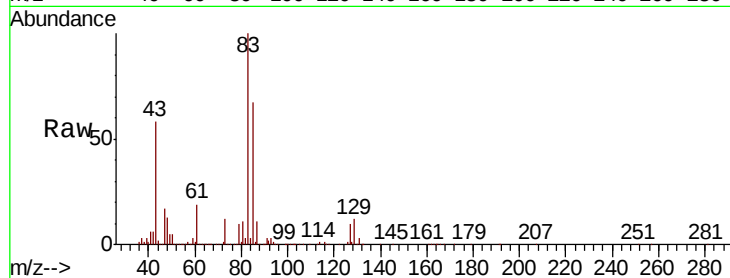
Tgt Ion: 83 Resp: 364287

Ion Ratio Lower Upper

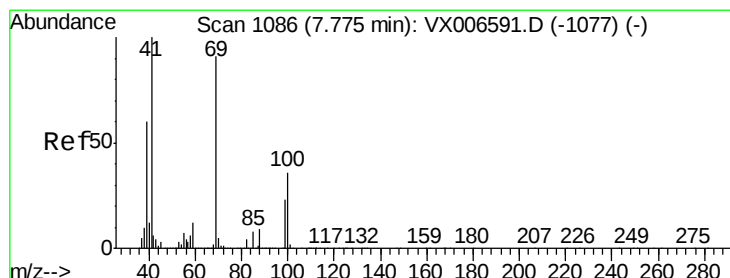
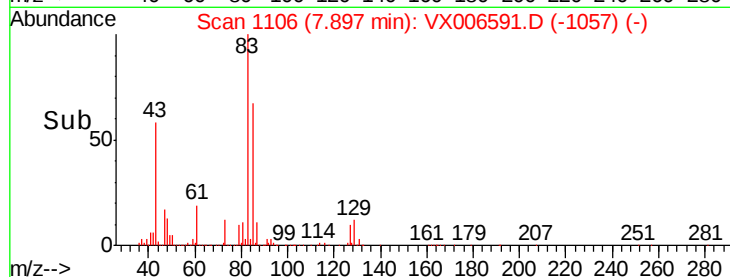
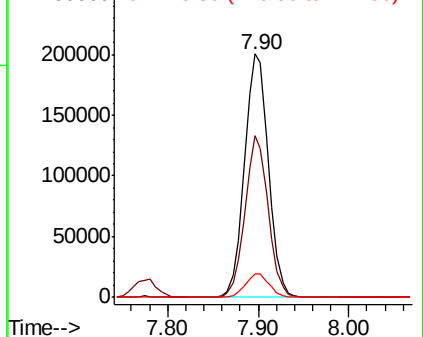
83 100

85 66.5 53.2 79.8

127 9.7 7.8 11.6



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: 50.988 ug/l

RT: 7.77 min Scan# 1086

Delta R.T. 0.00 min

Lab File: VX006591.D

Acq: 18 Dec 2018 12:04

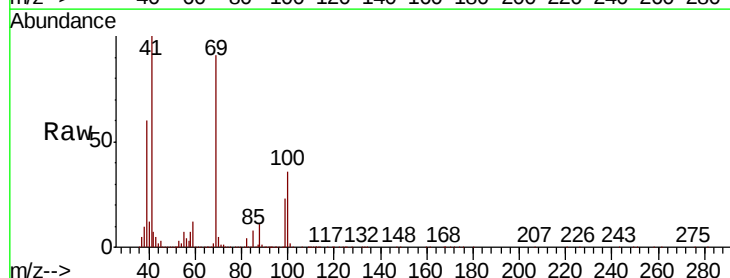
Tgt Ion: 41 Resp: 330250

Ion Ratio Lower Upper

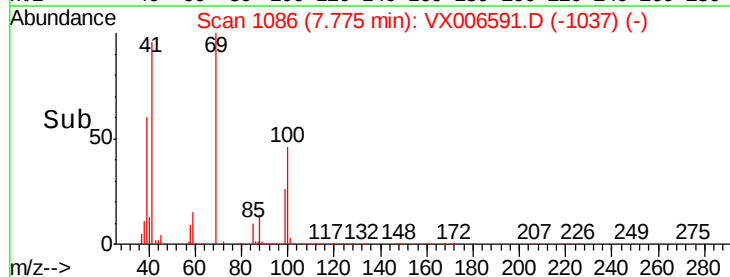
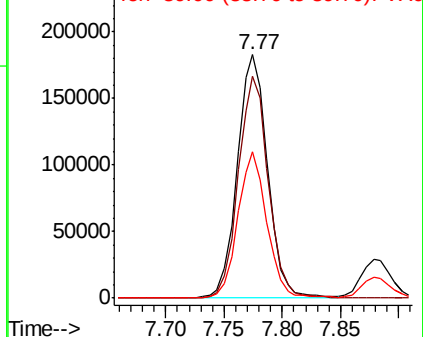
41 100

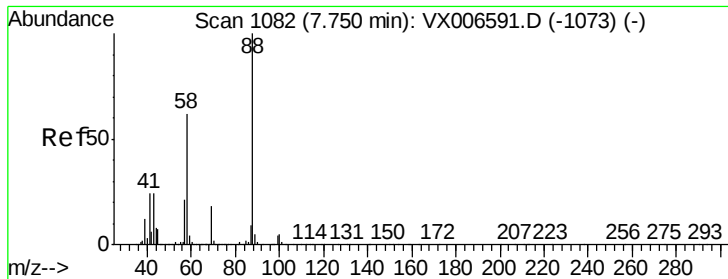
69 90.5 72.4 108.6

39 57.3 45.8 68.8



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

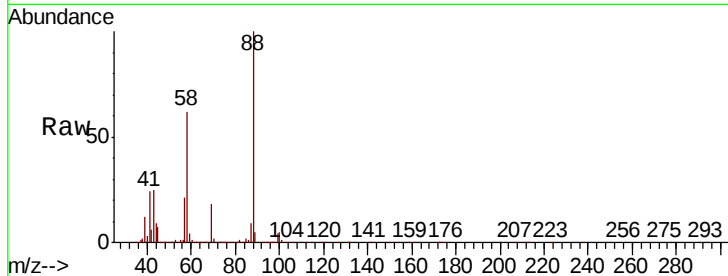




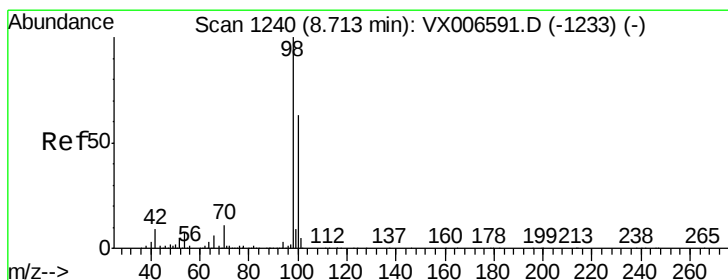
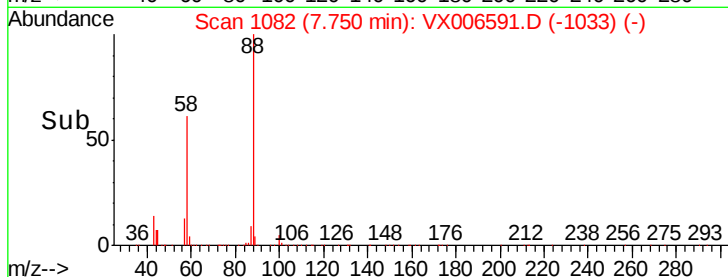
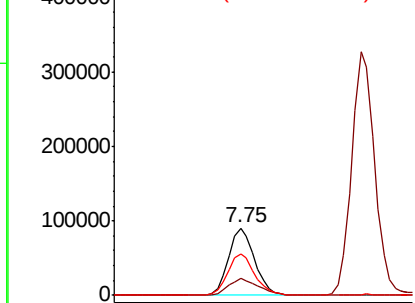
#49
1,4-Dioxane
Concen: 942.599 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. 0.00 min
Lab File: VX006591.D
Acq: 18 Dec 2018 12:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 88 Resp: 172740
Ion Ratio Lower Upper
88 100
43 27.8 22.2 33.4
58 63.7 51.0 76.4

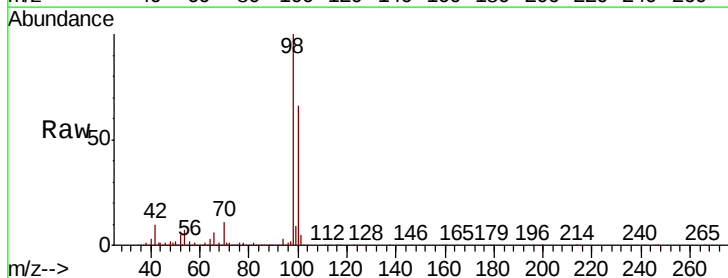


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

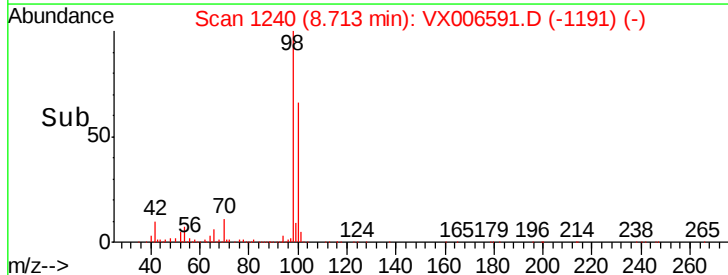
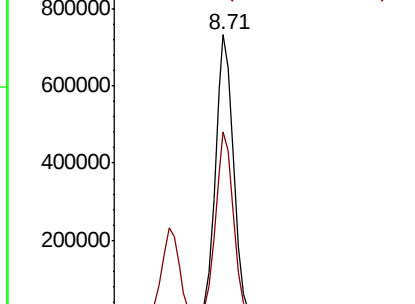


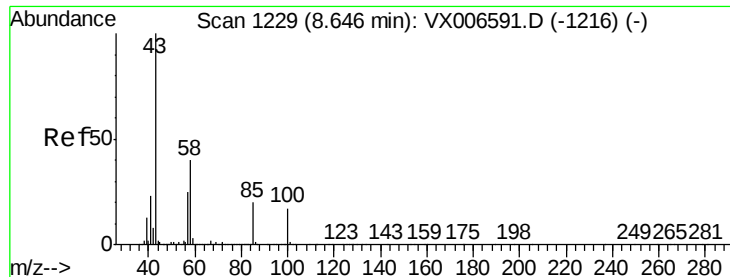
#50
Toluene-d8
Concen: 49.588 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX006591.D
Acq: 18 Dec 2018 12:04

Tgt Ion: 98 Resp: 1148015
Ion Ratio Lower Upper
98 100
100 65.0 52.0 78.0



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

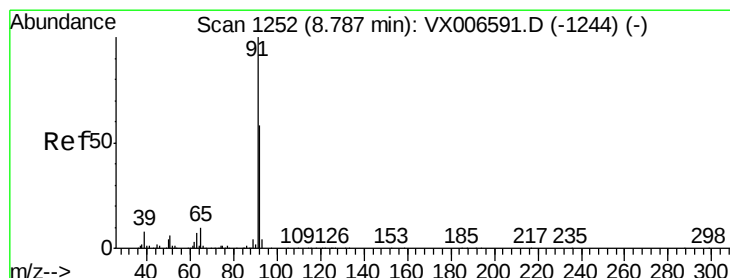
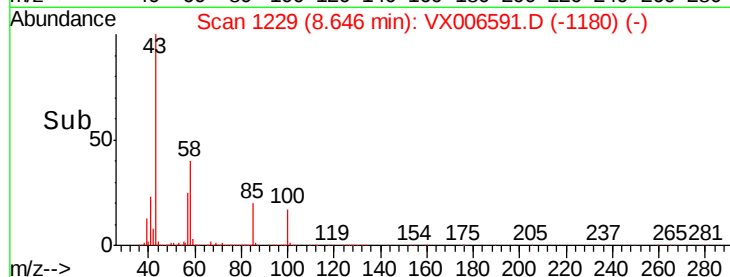
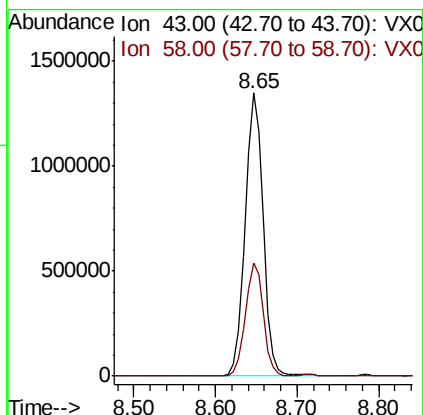
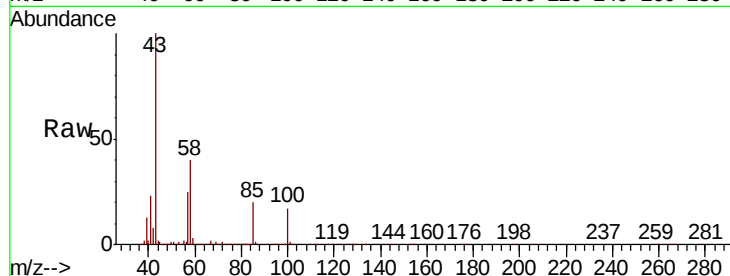




#51
4-Methyl-2-Pentanone
Concen: 254.064 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. 0.00 min
Lab File: VX006591.D
Acq: 18 Dec 2018 12:04

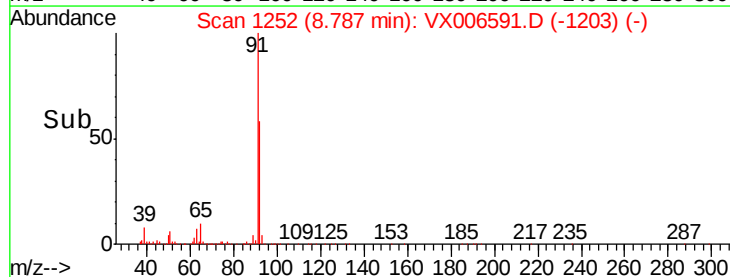
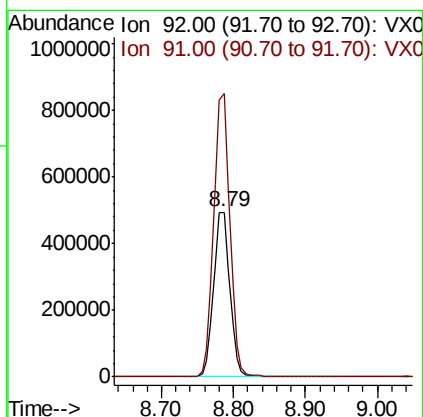
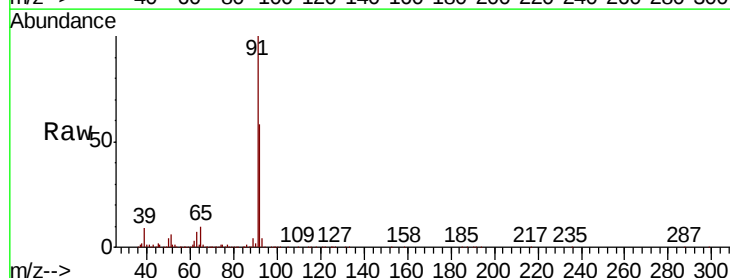
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 2058927
Ion Ratio Lower Upper
43 100
58 39.7 31.8 47.6



#52
Toluene
Concen: 48.991 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. 0.00 min
Lab File: VX006591.D
Acq: 18 Dec 2018 12:04

Tgt Ion: 92 Resp: 773746
Ion Ratio Lower Upper
92 100
91 172.0 137.6 206.4





#53

t-1,3-Dichloropropene

Concen: 52.675 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX006591.D

Acq: 18 Dec 2018 12:04

Instrument :

MSVOA_X

ClientSampleId :

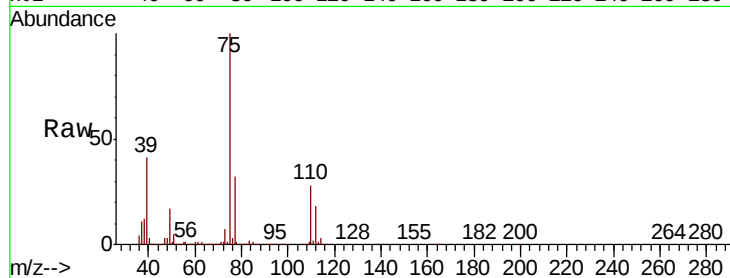
VSTDICCC050

Tgt Ion: 75 Resp: 410424

Ion Ratio Lower Upper

75 100

77 31.7 25.4 38.0



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

9.04

300000

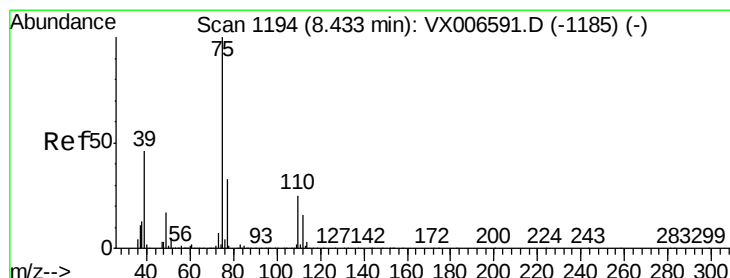
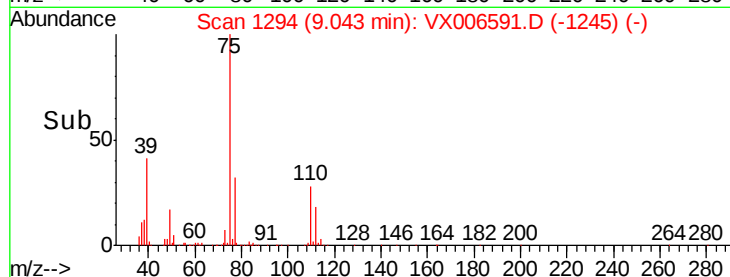
200000

100000

0

Time-->

8.95 9.00 9.05 9.10 9.15



#54

cis-1,3-Dichloropropene

Concen: 52.772 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. 0.00 min

Lab File: VX006591.D

Acq: 18 Dec 2018 12:04

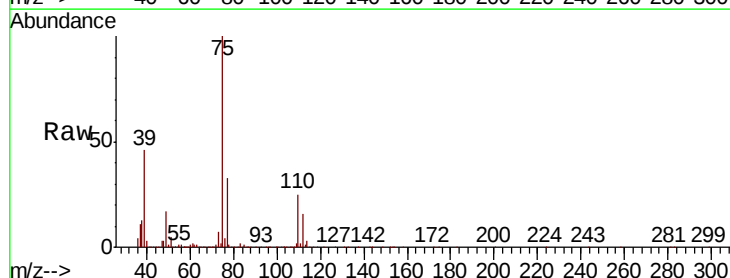
Tgt Ion: 75 Resp: 451168

Ion Ratio Lower Upper

75 100

77 32.7 26.2 39.2

39 45.9 36.7 55.1



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

8.43

300000

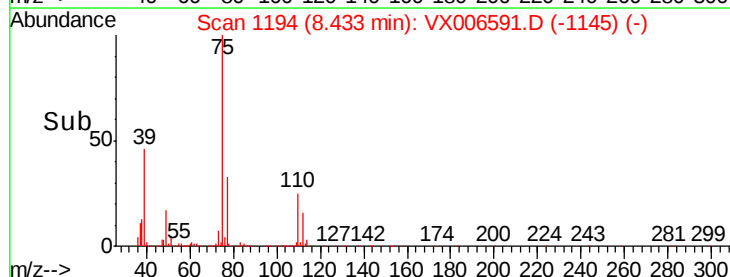
200000

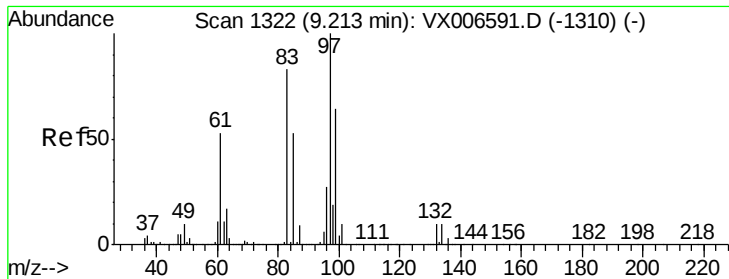
100000

0

Time-->

8.35 8.40 8.45 8.50 8.55





#55

1,1,2-Trichloroethane

Concen: 48.648 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VX006591.D

Acq: 18 Dec 2018 12:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 97 Resp: 314495

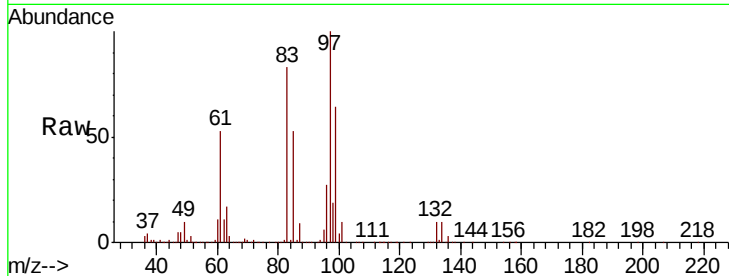
Ion Ratio Lower Upper

97 100

83 83.2 66.6 99.8

85 53.4 42.7 64.1

99 63.5 50.8 76.2

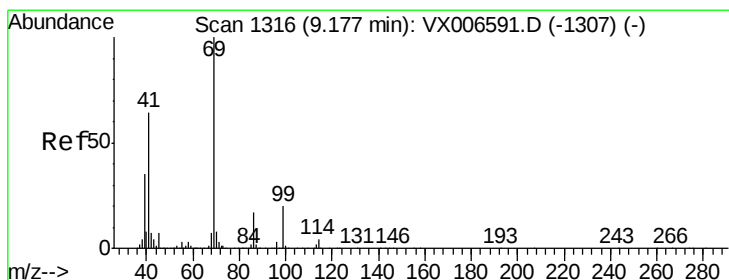
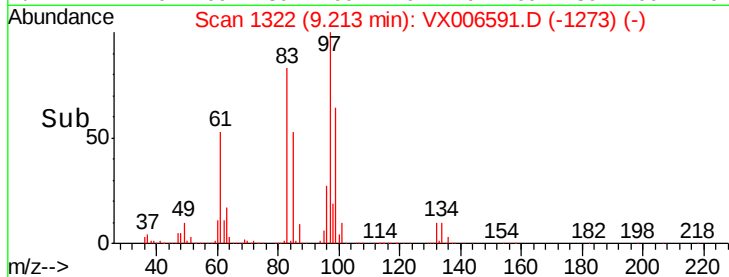
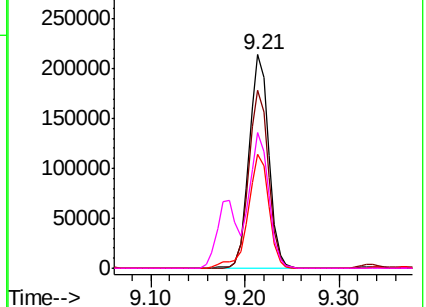


Abundance Ion 96.90 (96.60 to 97.60): VX0

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: 51.960 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VX006591.D

Acq: 18 Dec 2018 12:04

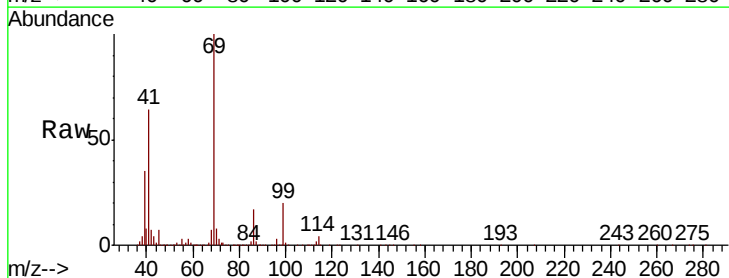
Tgt Ion: 69 Resp: 474751

Ion Ratio Lower Upper

69 100

41 60.9 48.7 73.1

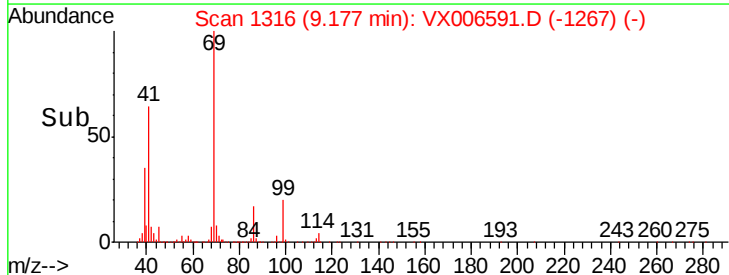
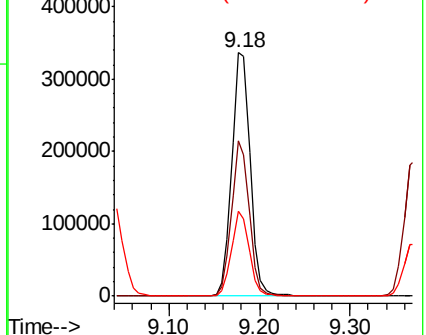
39 33.8 27.0 40.6

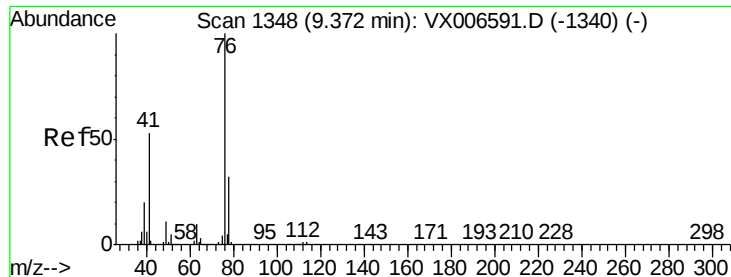


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 48.236 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX006591.D

Acq: 18 Dec 2018 12:04

Instrument :

MSVOA_X

ClientSampleId :

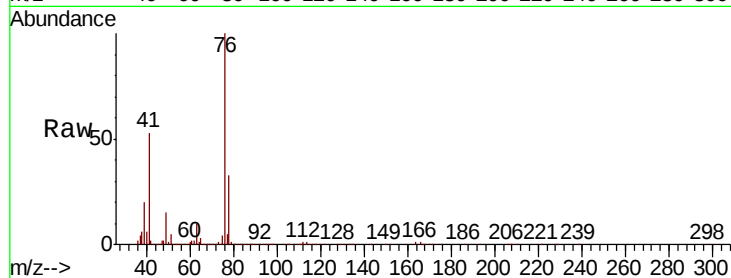
VSTDICCC050

Tgt Ion: 76 Resp: 501701

Ion Ratio Lower Upper

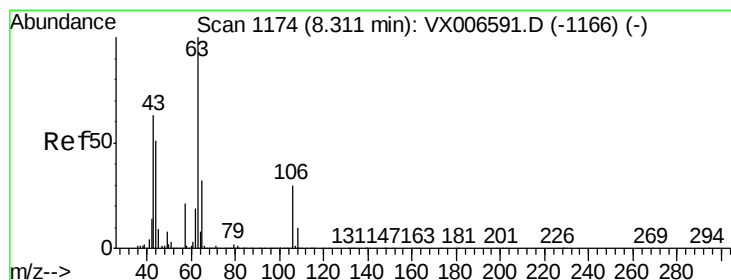
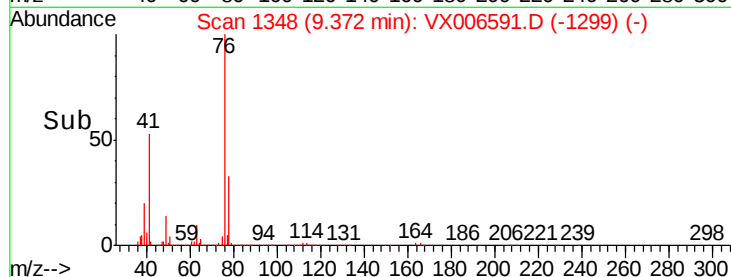
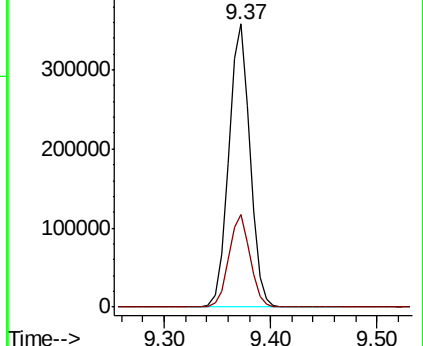
76 100

78 32.5 26.0 39.0



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 246.193 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX006591.D

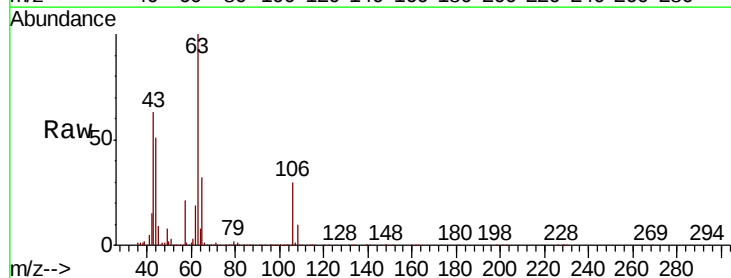
Acq: 18 Dec 2018 12:04

Tgt Ion: 63 Resp: 1195734

Ion Ratio Lower Upper

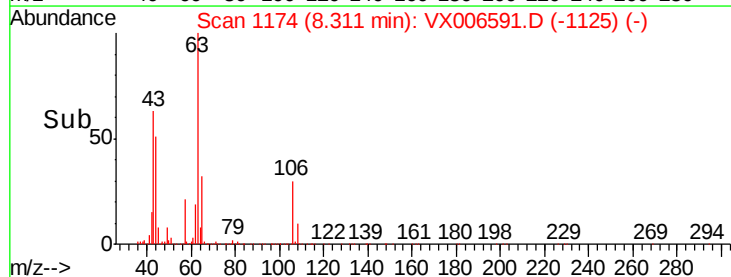
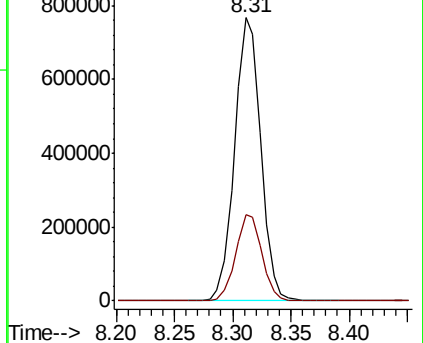
63 100

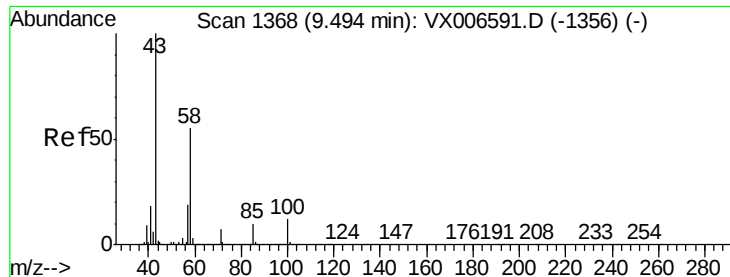
106 30.7 24.6 36.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

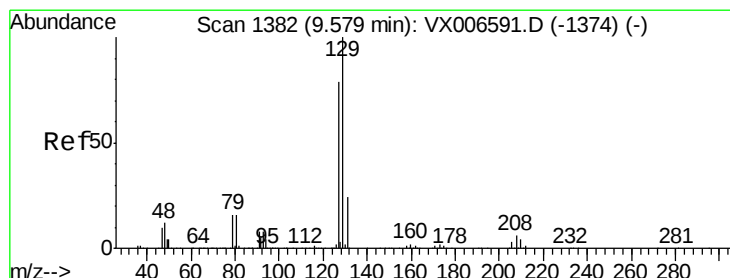
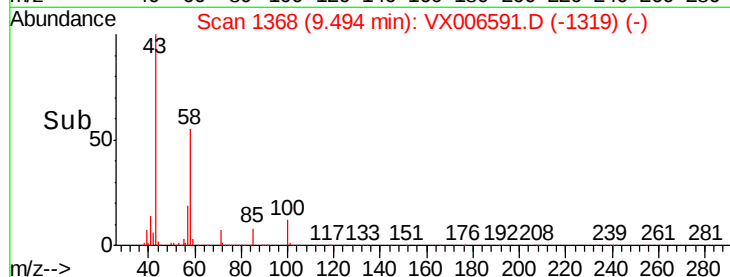
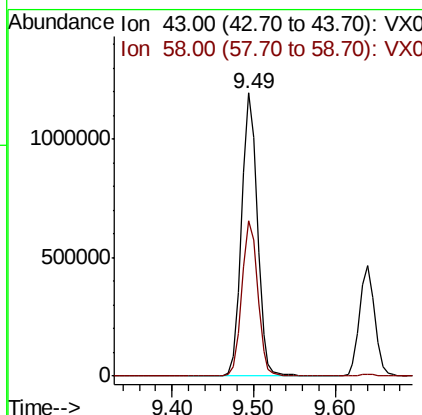
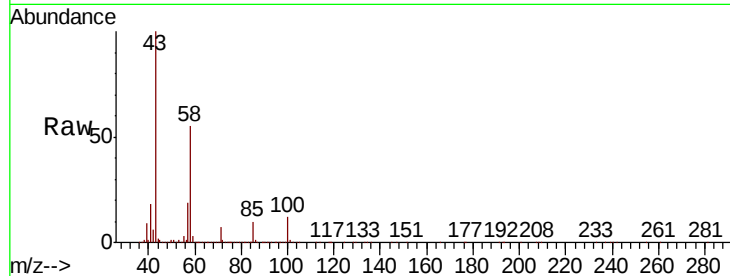




#59
2-Hexanone
Concen: 255.056 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VX006591.D
Acq: 18 Dec 2018 12:04

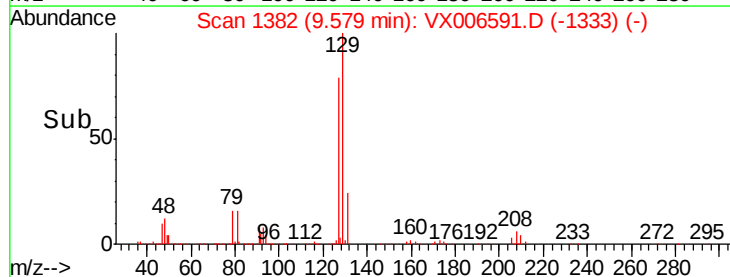
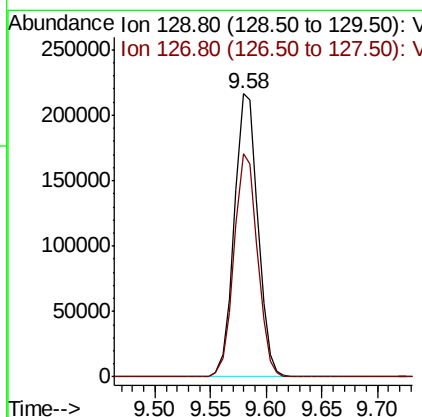
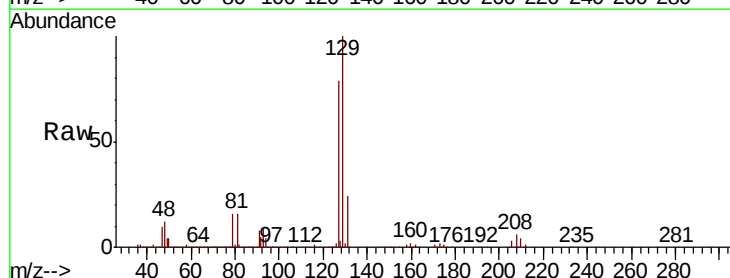
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

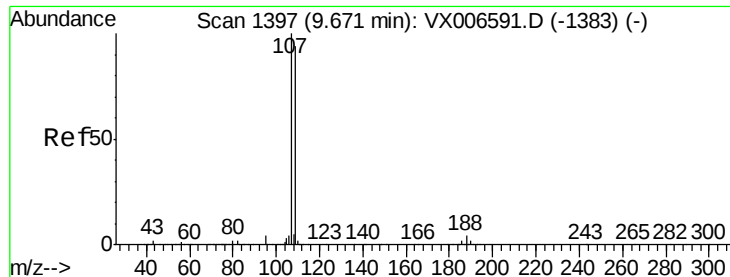
Tgt Ion: 43 Resp: 1581471
Ion Ratio Lower Upper
43 100
58 55.4 27.7 83.1



#60
Dibromochloromethane
Concen: 53.273 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX006591.D
Acq: 18 Dec 2018 12:04

Tgt Ion: 129 Resp: 317217
Ion Ratio Lower Upper
129 100
127 78.5 39.3 117.8

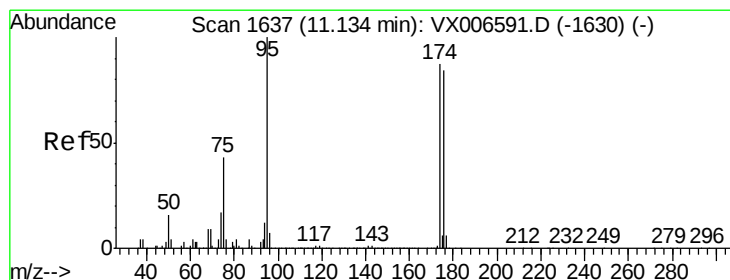
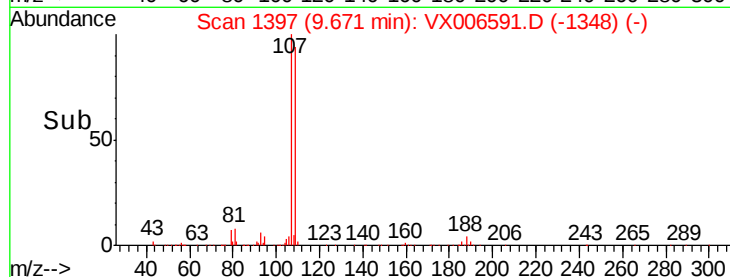
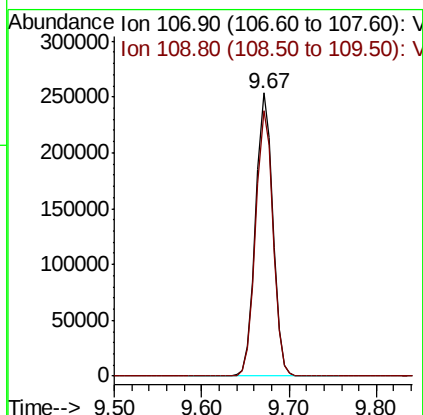
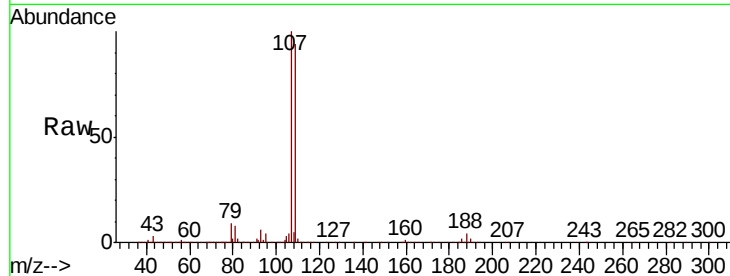




#61
 1,2-Dibromoethane
 Concen: 50.237 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. 0.00 min
 Lab File: VX006591.D
 Acq: 18 Dec 2018 12:04

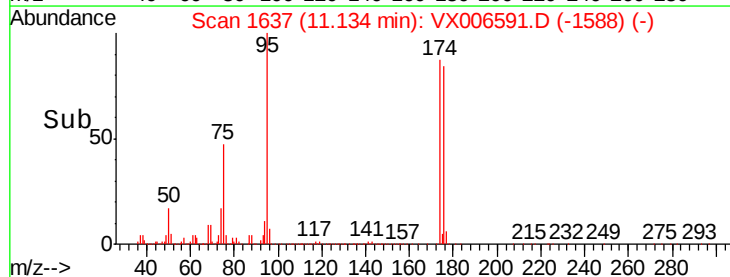
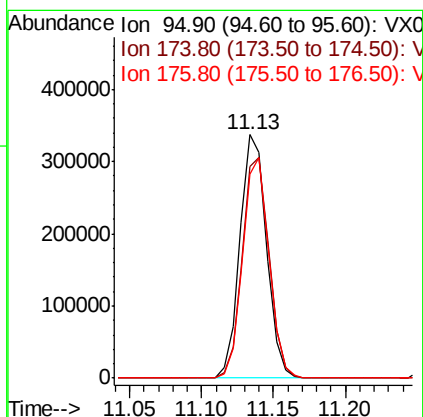
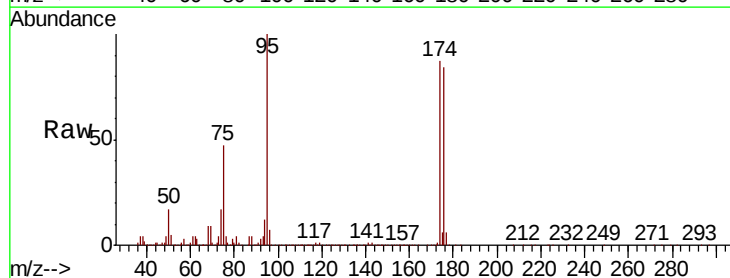
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

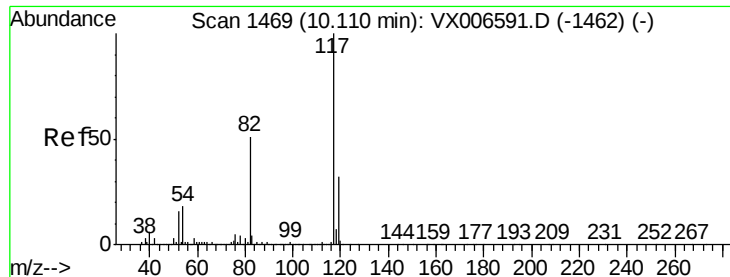
Tgt Ion: 107 Resp: 345232
 Ion Ratio Lower Upper
 107 100
 109 94.7 75.8 113.6



#62
 4-Bromofluorobenzene
 Concen: 51.025 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.00 min
 Lab File: VX006591.D
 Acq: 18 Dec 2018 12:04

Tgt Ion: 95 Resp: 432633
 Ion Ratio Lower Upper
 95 100
 174 91.1 0.0 182.2
 176 89.4 0.0 178.8

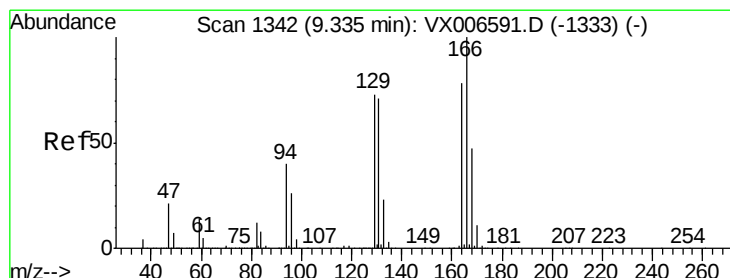
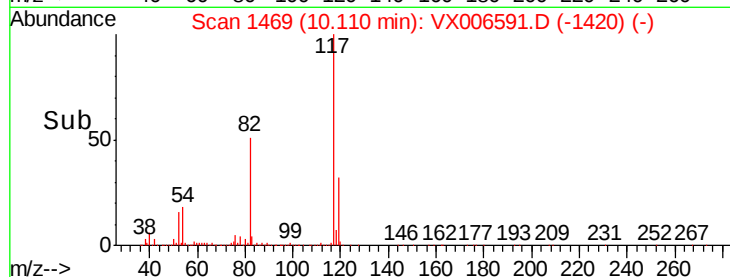
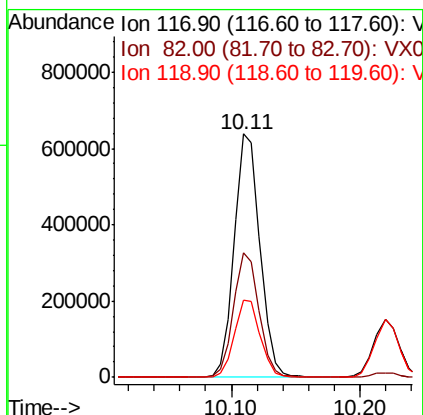
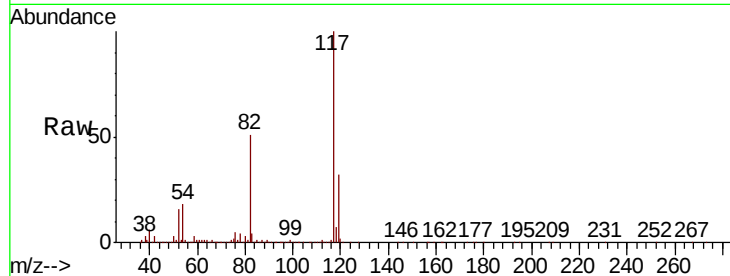




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX006591.D
Acq: 18 Dec 2018 12:04

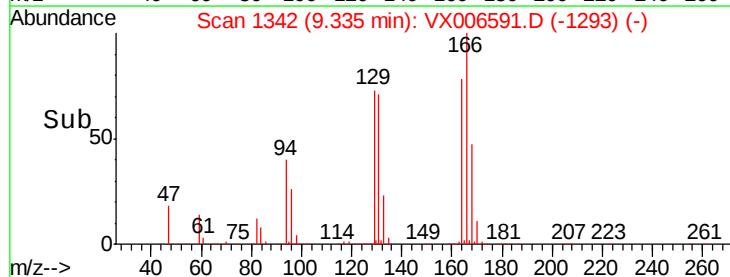
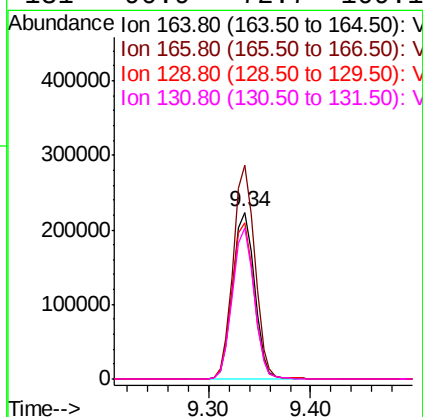
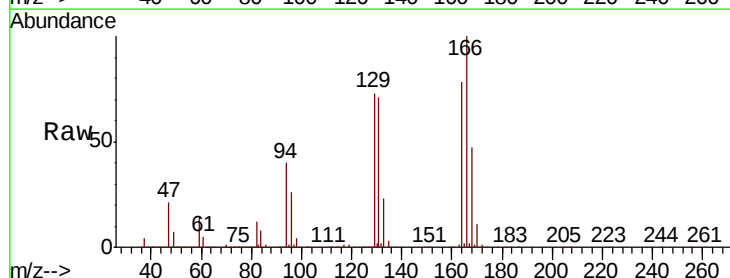
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

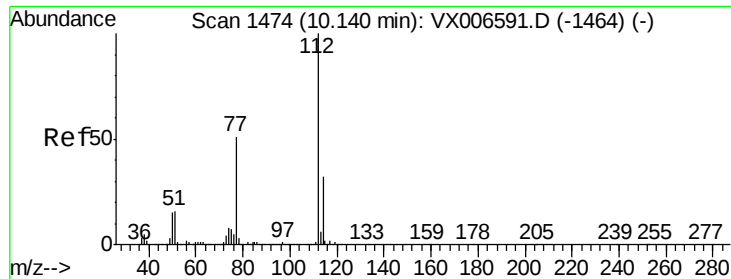
Tgt Ion:117 Resp: 890040
Ion Ratio Lower Upper
117 100
82 51.3 41.0 61.6
119 31.7 25.4 38.0



#64
Tetrachloroethene
Concen: 47.088 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX006591.D
Acq: 18 Dec 2018 12:04

Tgt Ion:164 Resp: 331862
Ion Ratio Lower Upper
164 100
166 128.1 102.5 153.7
129 93.9 75.1 112.7
131 90.9 72.7 109.1

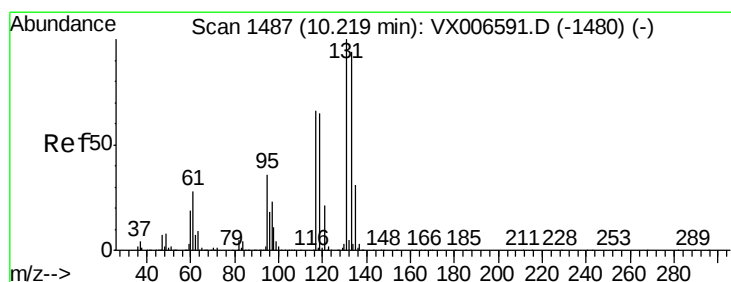
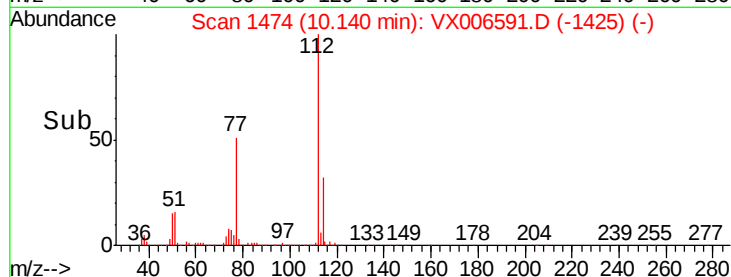
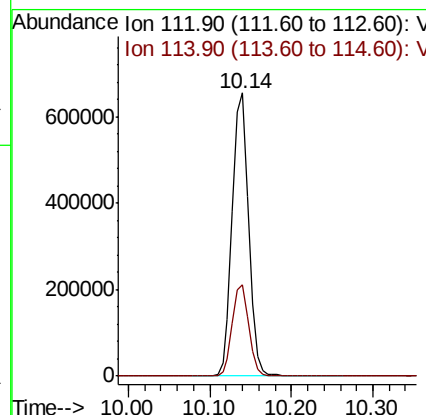
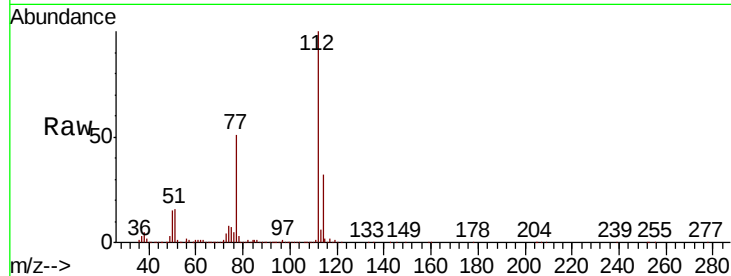




#65
Chlorobenzene
Concen: 48.130 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VX006591.D
Acq: 18 Dec 2018 12:04

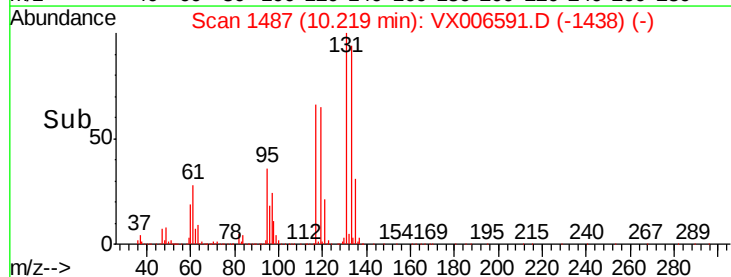
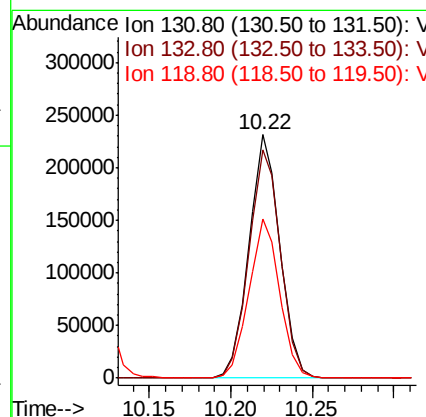
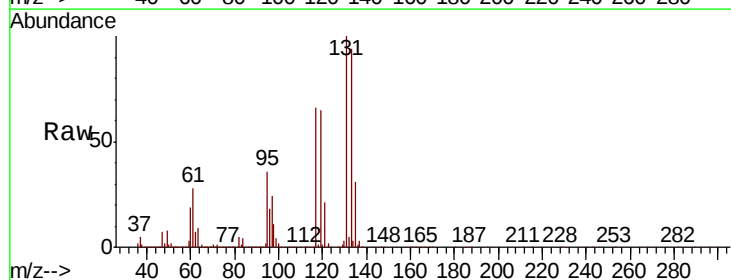
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

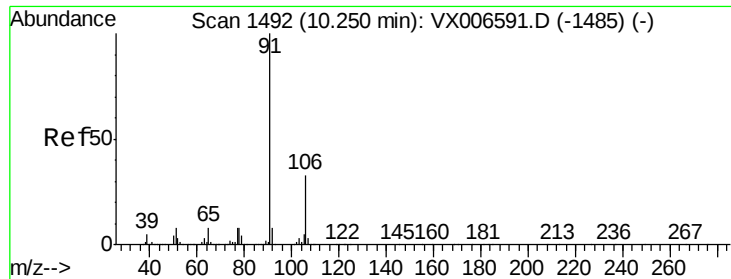
Tgt Ion:112 Resp: 906274
Ion Ratio Lower Upper
112 100
114 32.1 25.7 38.5



#66
1,1,1,2-Tetrachloroethane
Concen: 51.921 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX006591.D
Acq: 18 Dec 2018 12:04

Tgt Ion:131 Resp: 305021
Ion Ratio Lower Upper
131 100
133 96.1 48.0 144.2
119 65.2 32.6 97.8





#67

Ethyl Benzene

Concen: 48.512 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX006591.D

Acq: 18 Dec 2018 12:04

Instrument :

MSVOA_X

ClientSampleId :

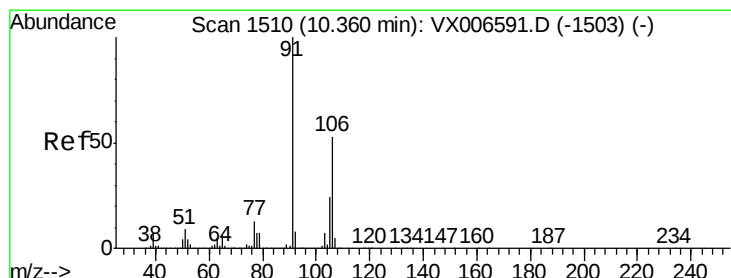
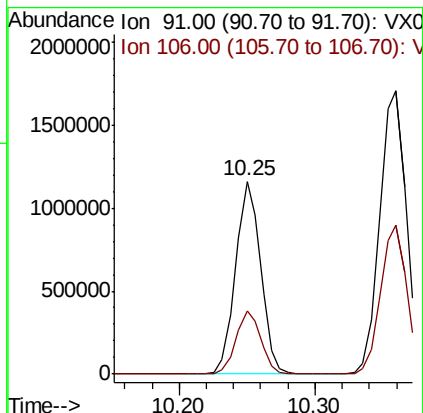
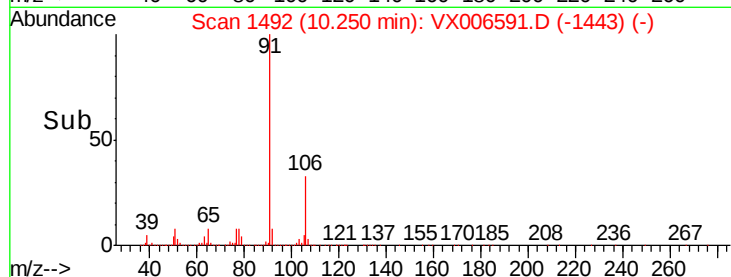
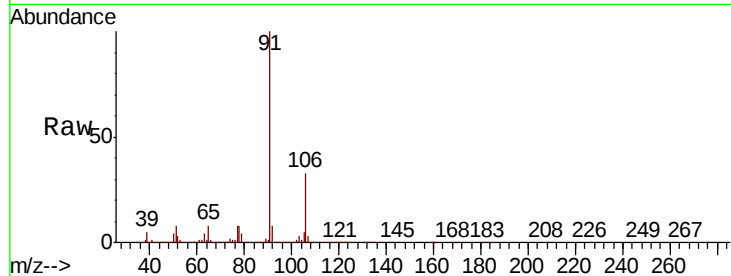
VSTDICCC050

Tgt Ion: 91 Resp: 1492656

Ion Ratio Lower Upper

91 100

106 33.0 26.4 39.6



#68

m/p-Xylenes

Concen: 98.774 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX006591.D

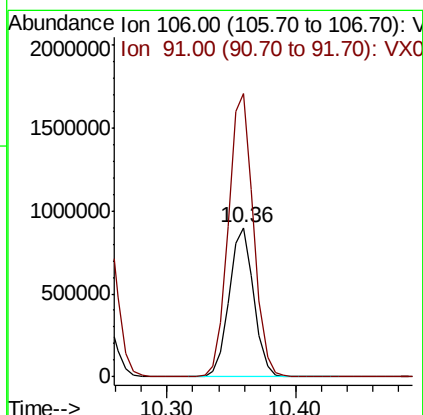
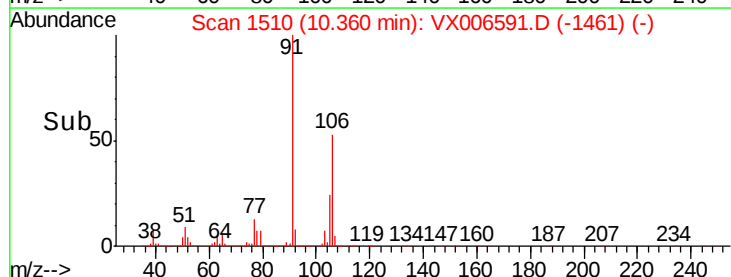
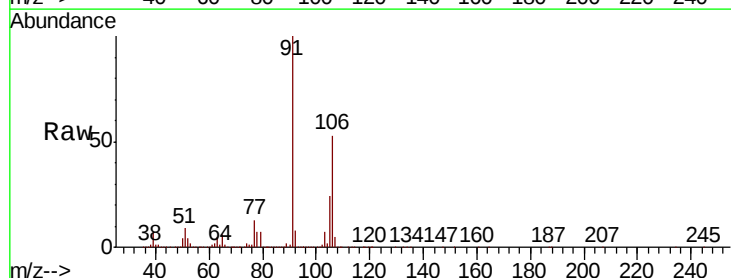
Acq: 18 Dec 2018 12:04

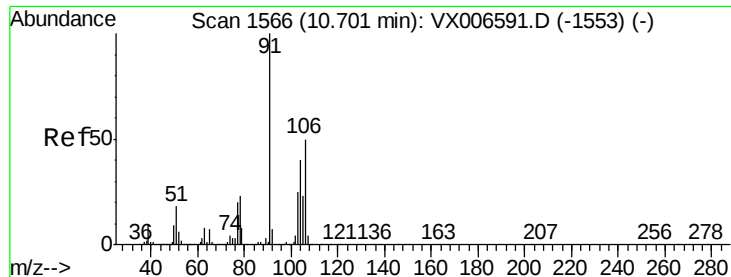
Tgt Ion: 106 Resp: 1199242

Ion Ratio Lower Upper

106 100

91 194.7 155.8 233.6

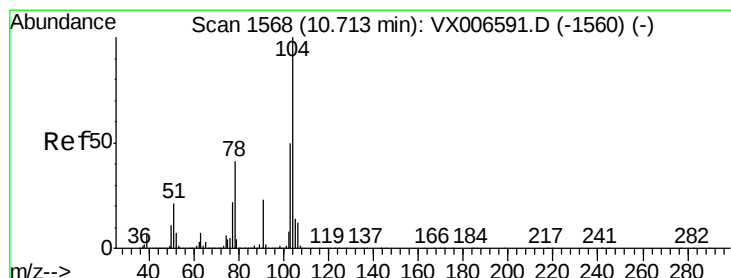
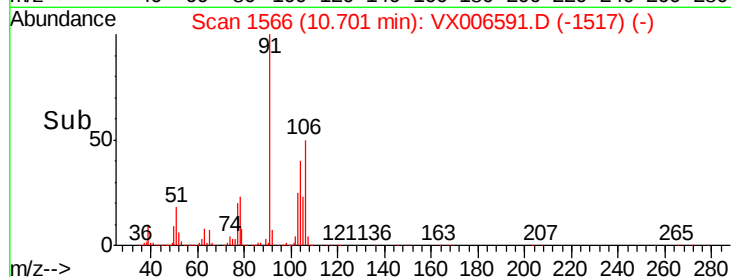
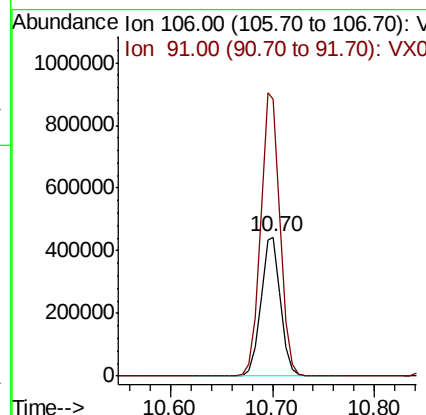
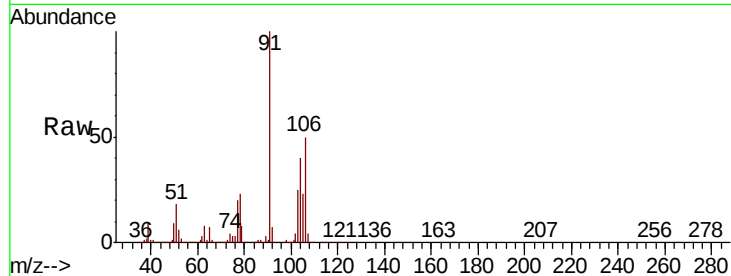




#69
o-Xylene
Concen: 49.728 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX006591.D
Acq: 18 Dec 2018 12:04

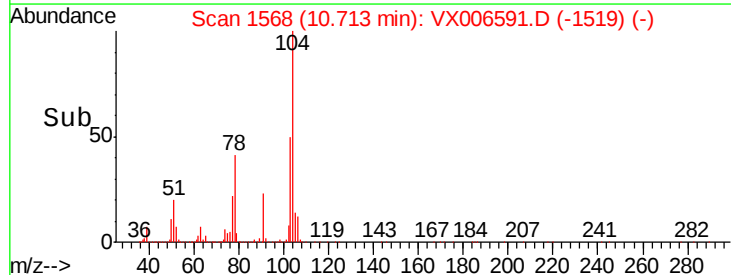
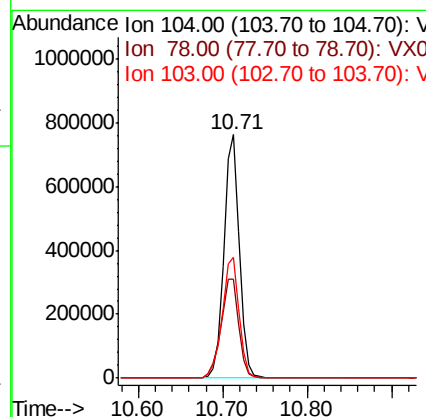
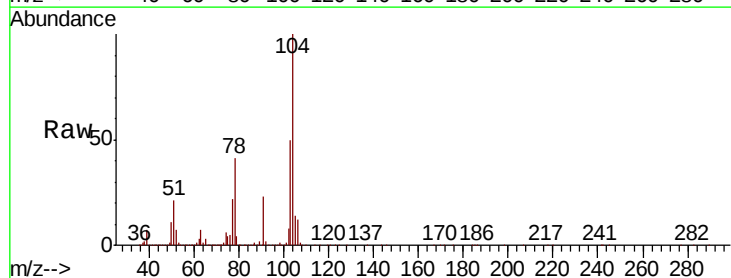
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

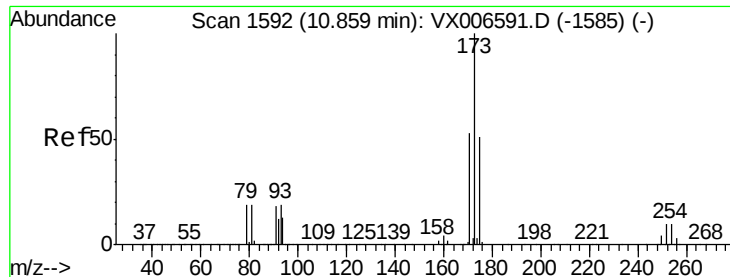
Tgt Ion:106 Resp: 596197
Ion Ratio Lower Upper
106 100
91 202.5 101.3 303.7



#70
Styrene
Concen: 50.994 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX006591.D
Acq: 18 Dec 2018 12:04

Tgt Ion:104 Resp: 967246
Ion Ratio Lower Upper
104 100
78 47.1 37.7 56.5
103 54.8 43.8 65.8

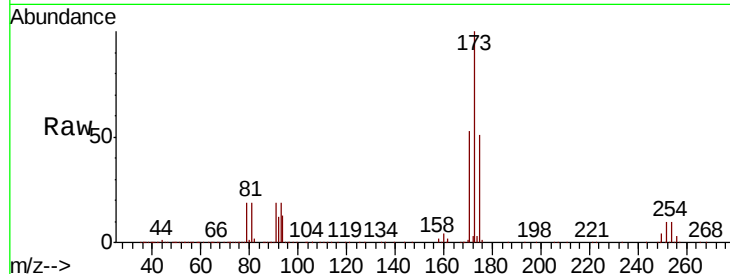




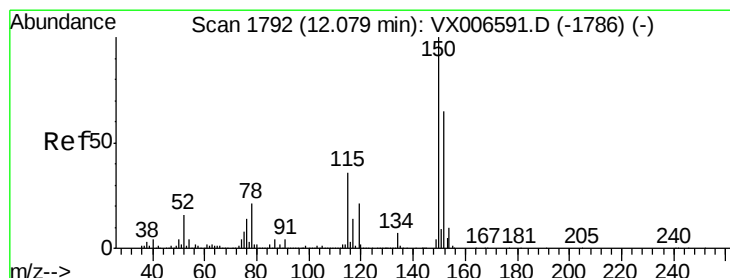
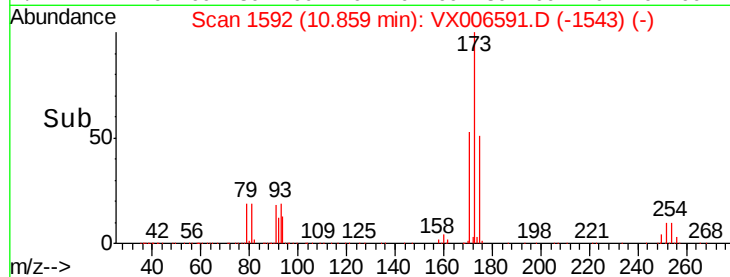
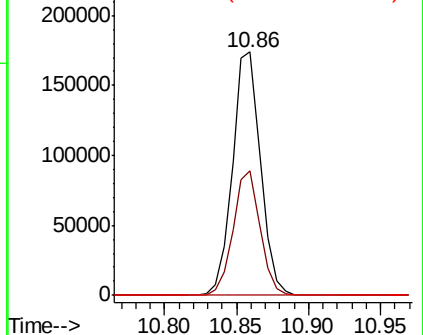
#71
Bromoform
Concen: 53.071 ug/l
RT: 10.86 min Scan# 1592
Delta R.T. 0.00 min
Lab File: VX006591.D
Acq: 18 Dec 2018 12:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:173 Resp: 237364
Ion Ratio Lower Upper
173 100
175 49.4 24.7 74.1
254 0.2 0.2 0.2

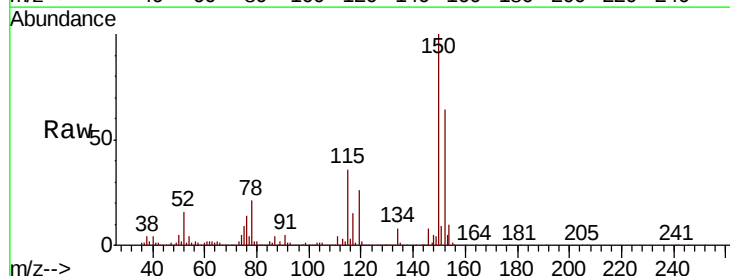


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

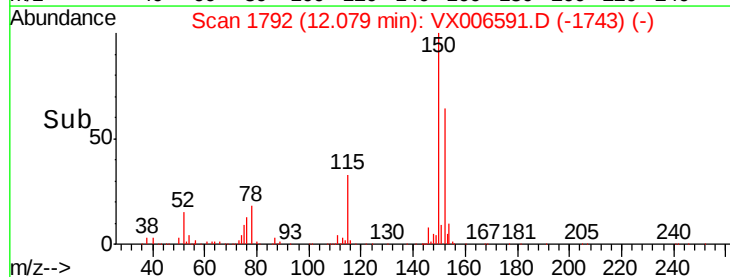
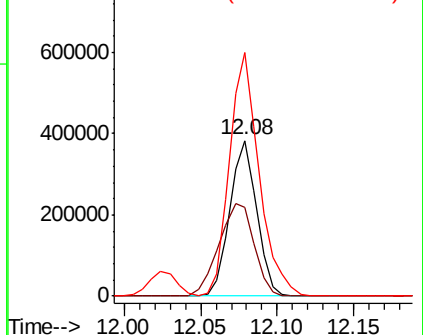


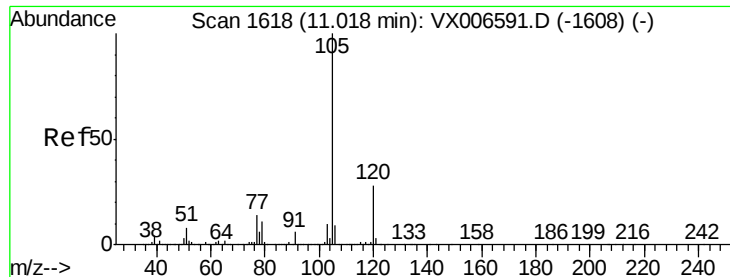
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX006591.D
Acq: 18 Dec 2018 12:04

Tgt Ion:152 Resp: 465942
Ion Ratio Lower Upper
152 100
115 78.1 39.1 117.2
150 172.4 0.0 344.8



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





#73

Isopropylbenzene

Concen: 48.836 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX006591.D

Acq: 18 Dec 2018 12:04

Instrument :

MSVOA_X

ClientSampleId :

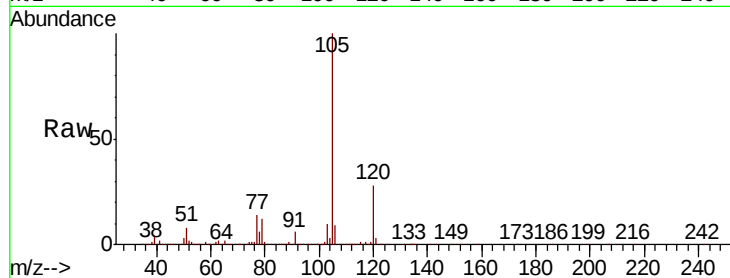
VSTDICCC050

Tgt Ion: 105 Resp: 1556702

Ion Ratio Lower Upper

105 100

120 28.3 14.1 42.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

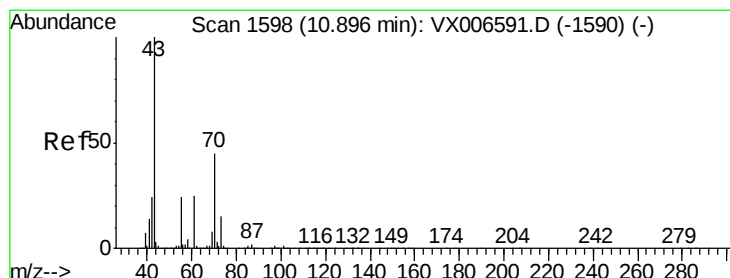
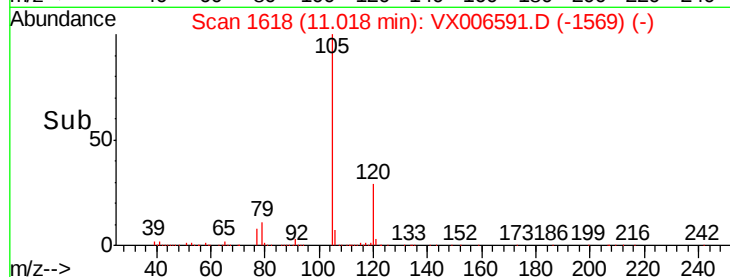
11.02

1000000

500000

0

Time--> 10.90 11.00 11.10



#74

N-amyl acetate

Concen: 50.860 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX006591.D

Acq: 18 Dec 2018 12:04

Tgt Ion: 43 Resp: 580295

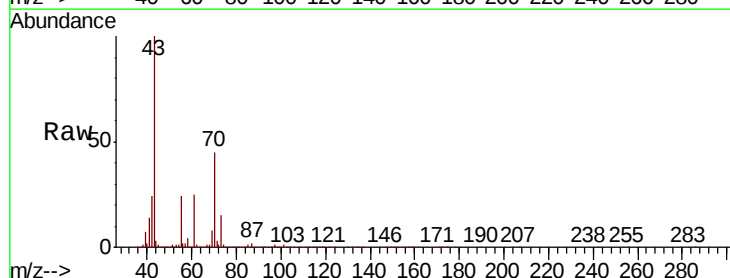
Ion Ratio Lower Upper

43 100

70 44.8 35.8 53.8

55 24.2 19.4 29.0

61 25.1 20.1 30.1



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

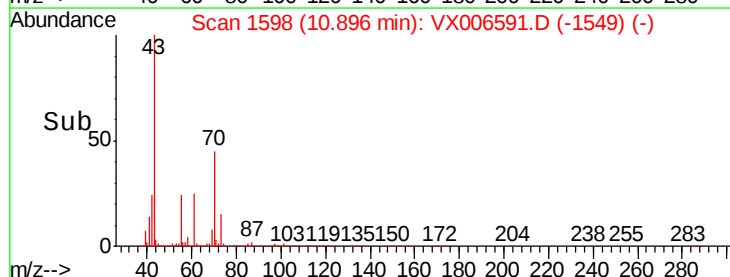
600000

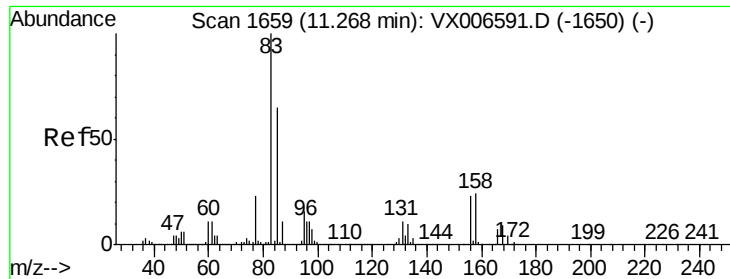
400000

200000

0

Time--> 10.80 10.90 11.00





#75

1,1,2,2-Tetrachloroethane

Concen: 49.597 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX006591.D

Acq: 18 Dec 2018 12:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

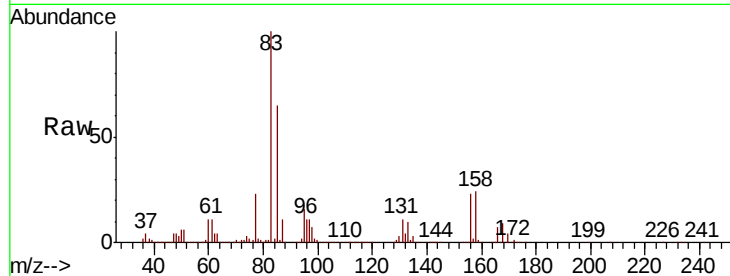
Tgt Ion: 83 Resp: 470175

Ion Ratio Lower Upper

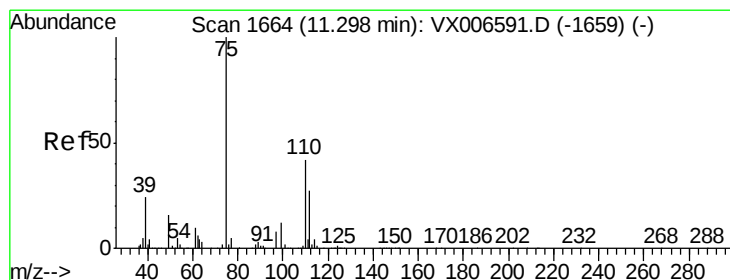
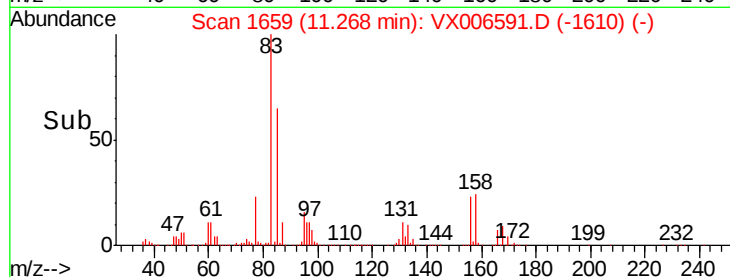
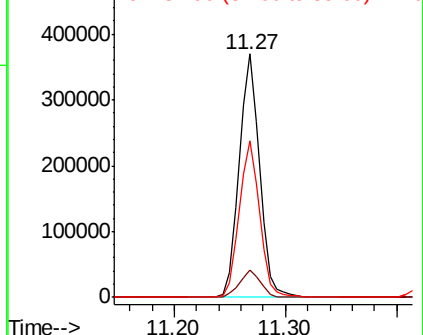
83 100

131 11.4 5.7 17.1

85 64.4 32.2 96.6



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: 65.035 ug/l

RT: 11.30 min Scan# 1664

Delta R.T. 0.00 min

Lab File: VX006591.D

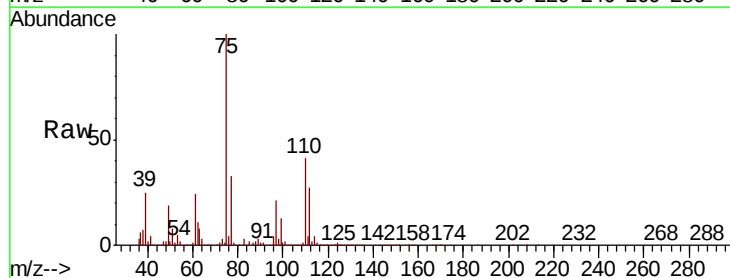
Acq: 18 Dec 2018 12:04

Tgt Ion: 75 Resp: 536800

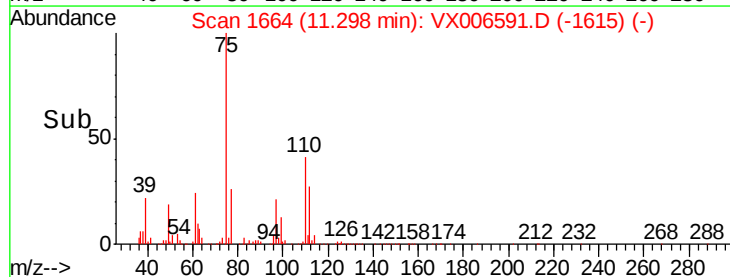
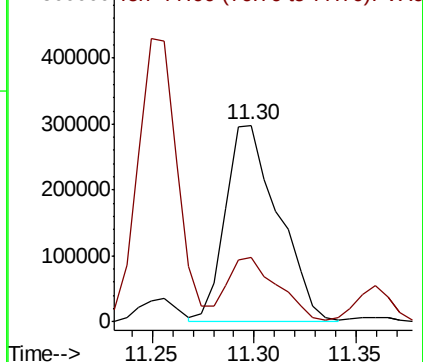
Ion Ratio Lower Upper

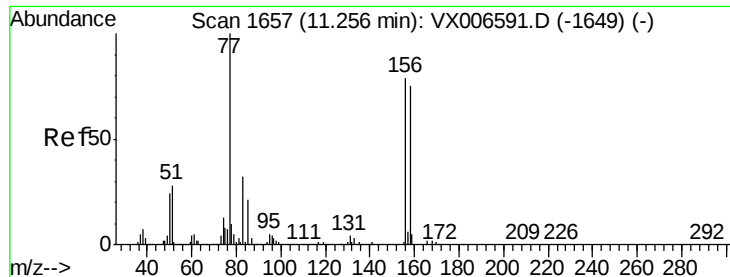
75 100

77 30.8 18.5 55.5



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 49.436 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX006591.D

Acq: 18 Dec 2018 12:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

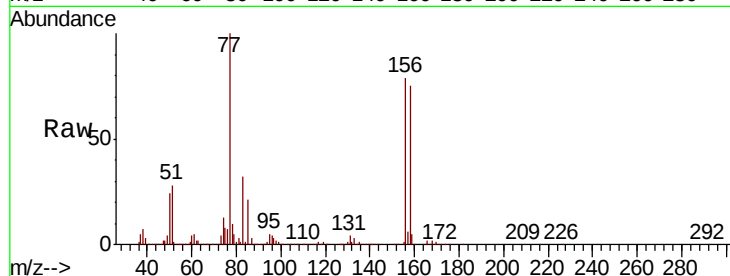
Tgt Ion:156 Resp: 426028

Ion Ratio Lower Upper

156 100

77 136.0 68.0 204.0

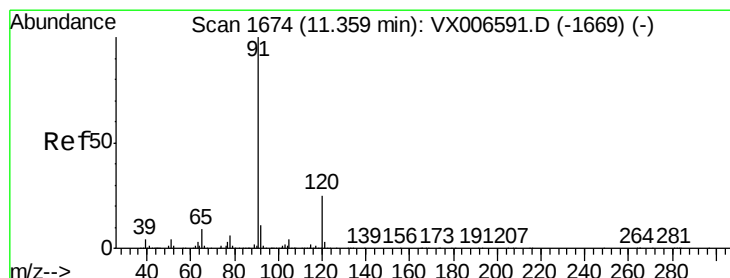
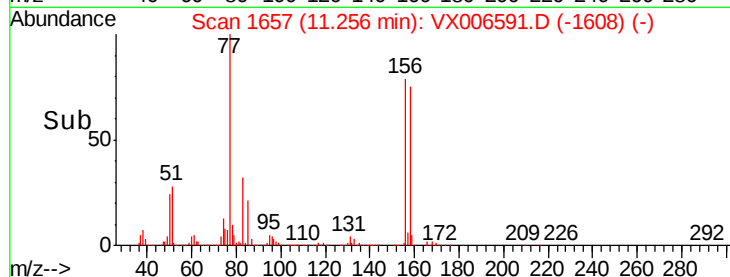
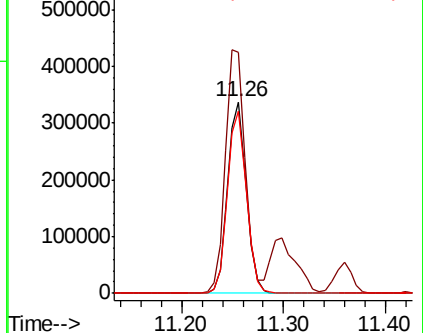
158 96.5 48.3 144.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 49.477 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX006591.D

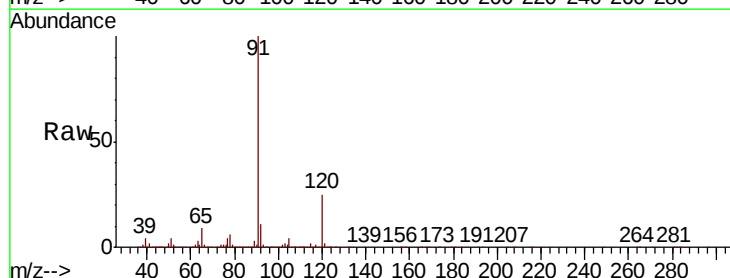
Acq: 18 Dec 2018 12:04

Tgt Ion: 91 Resp: 1736722

Ion Ratio Lower Upper

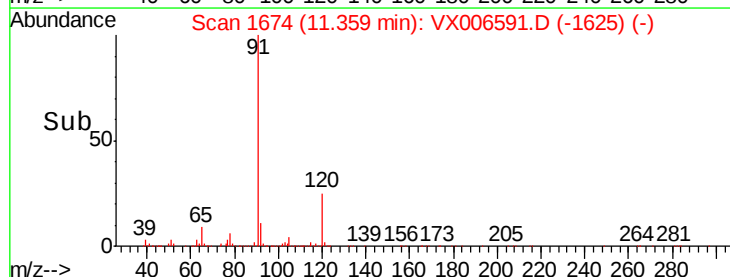
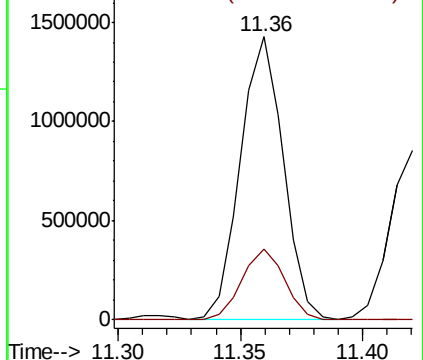
91 100

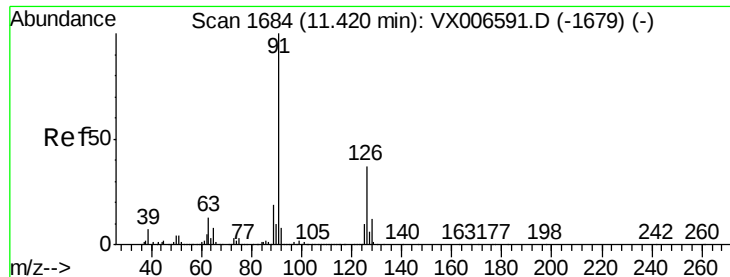
120 25.3 12.7 38.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 48.290 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX006591.D

Acq: 18 Dec 2018 12:04

Instrument :

MSVOA_X

ClientSampleId :

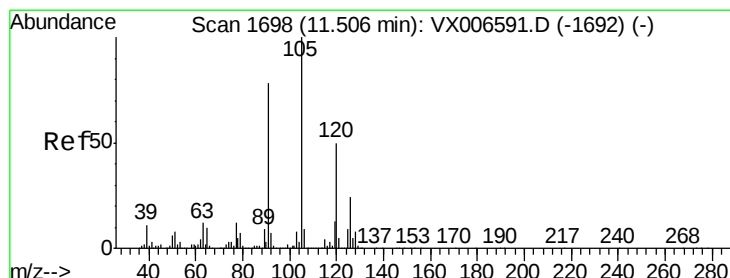
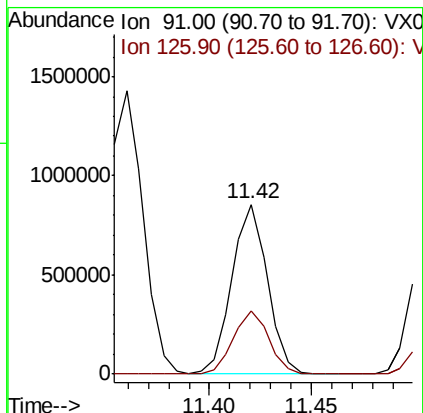
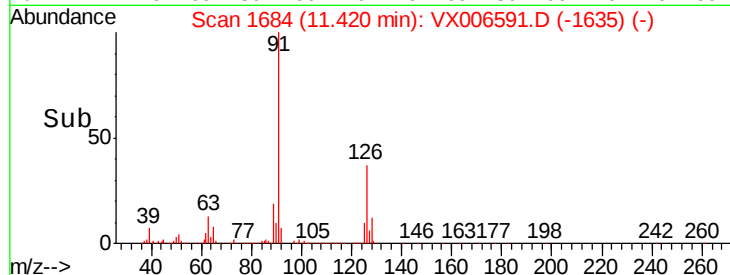
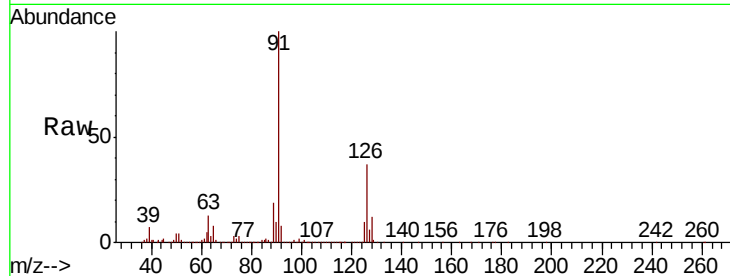
VSTDICCC050

Tgt Ion: 91 Resp: 1027229

Ion Ratio Lower Upper

91 100

126 37.3 18.6 56.0



#80

1,3,5-Trimethylbenzene

Concen: 49.503 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX006591.D

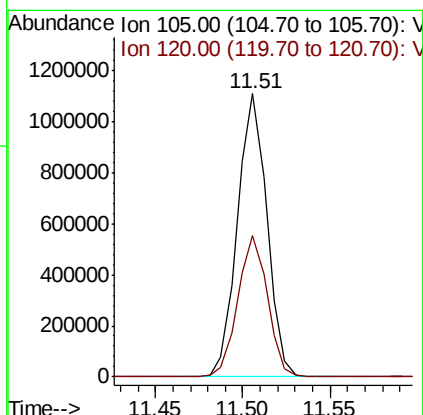
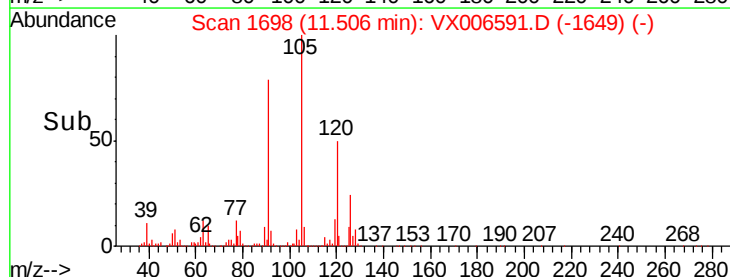
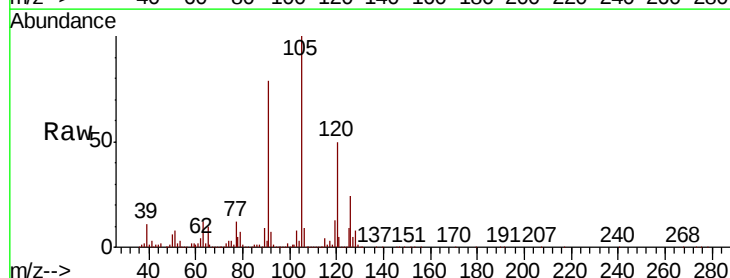
Acq: 18 Dec 2018 12:04

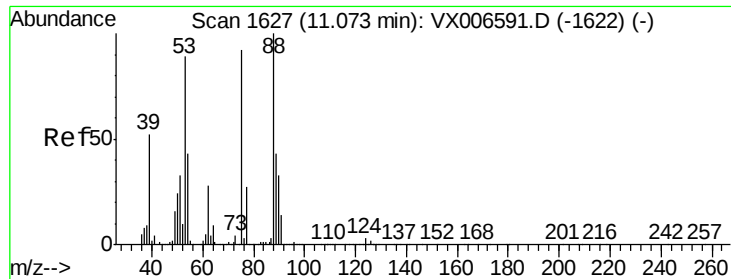
Tgt Ion: 105 Resp: 1299718

Ion Ratio Lower Upper

105 100

120 50.2 25.1 75.3

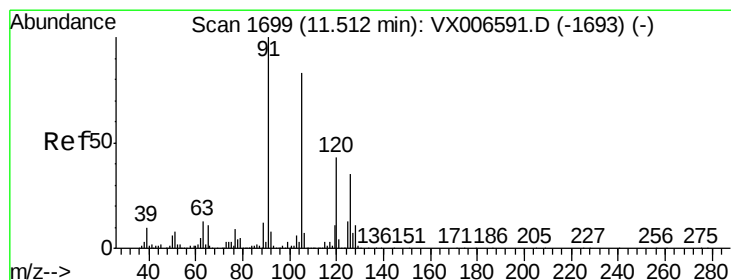
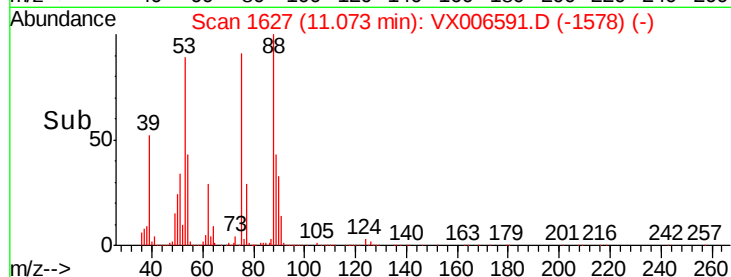
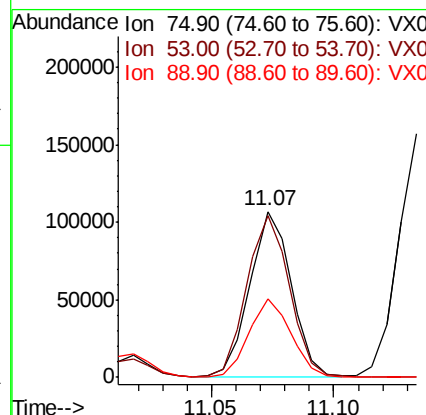
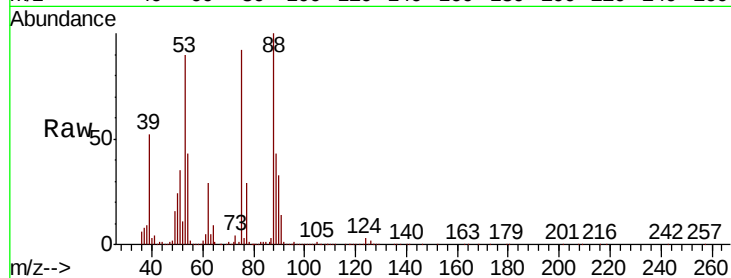




#81
trans-1,4-Dichloro-2-butene
Concen: 52.557 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX006591.D
Acq: 18 Dec 2018 12:04

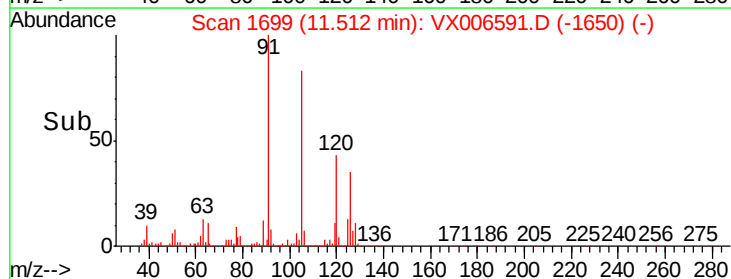
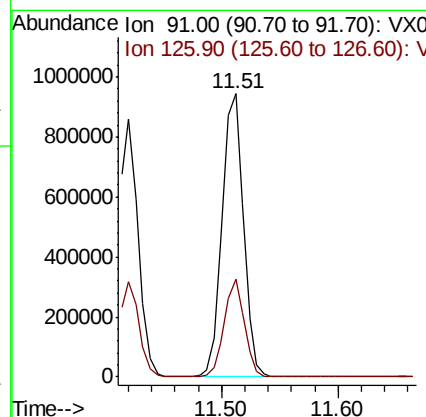
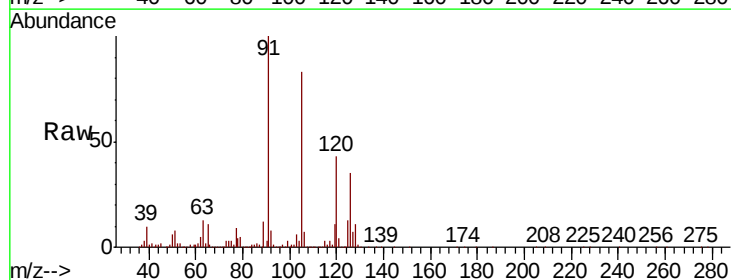
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

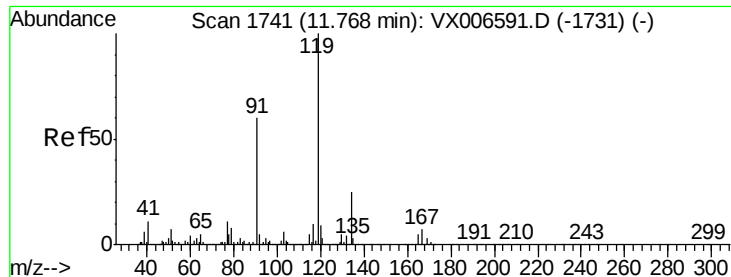
Tgt Ion: 75 Resp: 127054
Ion Ratio Lower Upper
75 100
53 99.6 79.7 119.5
89 47.5 38.0 57.0



#82
4-Chlorotoluene
Concen: 48.780 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. 0.00 min
Lab File: VX006591.D
Acq: 18 Dec 2018 12:04

Tgt Ion: 91 Resp: 1190255
Ion Ratio Lower Upper
91 100
126 32.6 16.3 48.9



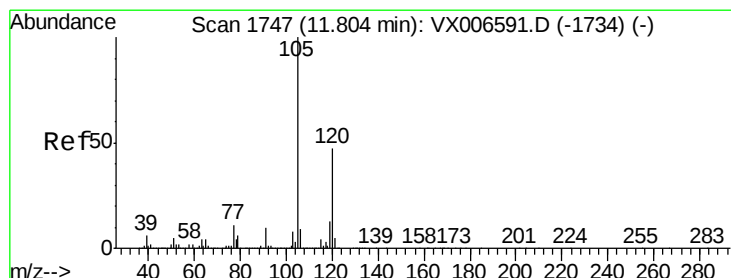
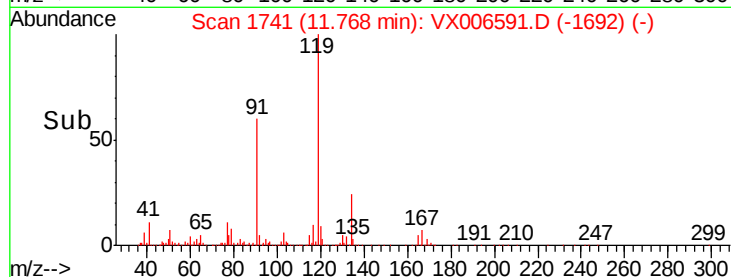
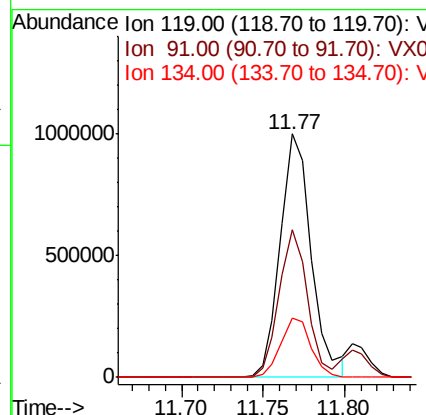
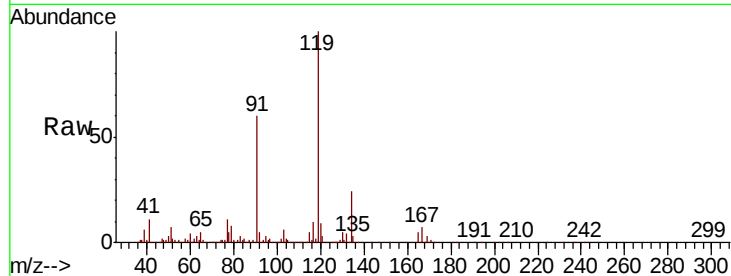


#83
 tert-Butylbenzene
 Concen: 50.545 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX006591.D
 Acq: 18 Dec 2018 12:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tgt Ion:119 Resp: 1328198

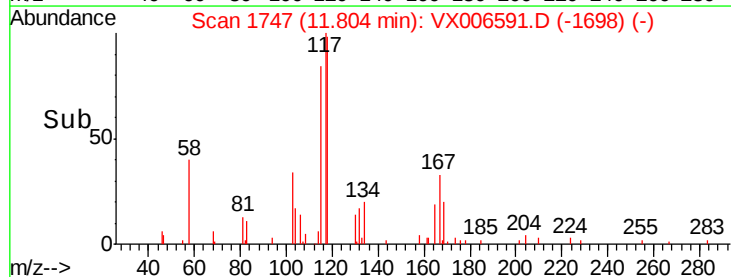
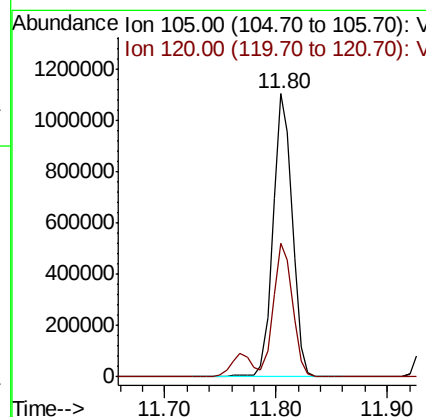
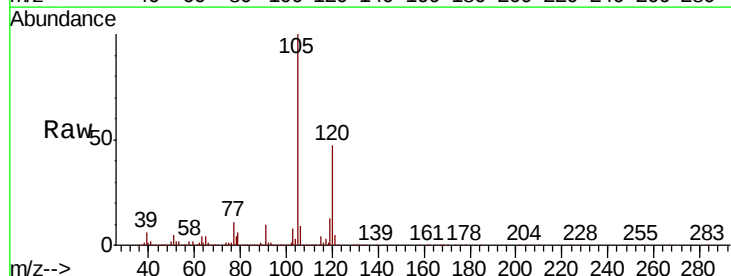
Ion	Ratio	Lower	Upper
119	100		
91	55.4	27.7	83.1
134	23.7	11.9	35.5

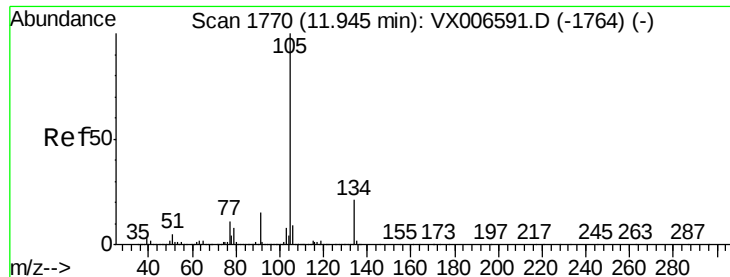


#84
 1,2,4-Trimethylbenzene
 Concen: 48.362 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX006591.D
 Acq: 18 Dec 2018 12:04

Tgt Ion:105 Resp: 1335566

Ion	Ratio	Lower	Upper
105	100		
120	46.4	23.2	69.6





#85

sec-Butylbenzene

Concen: 49.513 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX006591.D

Acq: 18 Dec 2018 12:04

Instrument :

MSVOA_X

ClientSampleId :

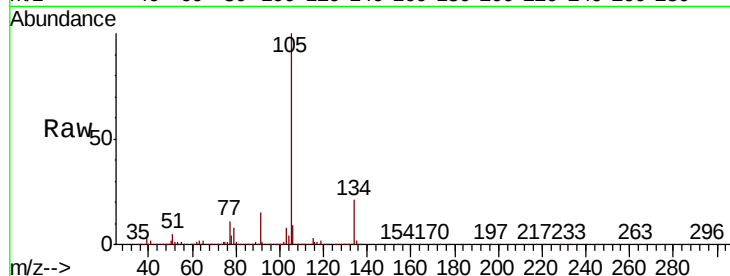
VSTDICCC050

Tgt Ion:105 Resp: 1595179

Ion Ratio Lower Upper

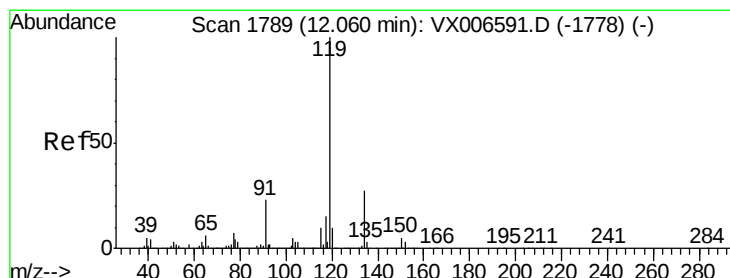
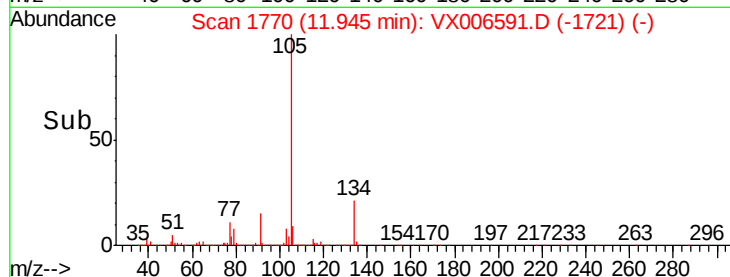
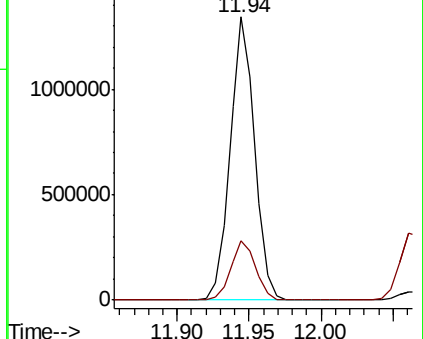
105 100

134 21.3 10.7 31.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 50.113 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX006591.D

Acq: 18 Dec 2018 12:04

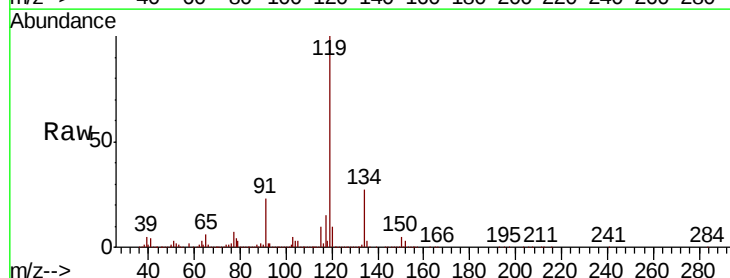
Tgt Ion:119 Resp: 1419209

Ion Ratio Lower Upper

119 100

134 27.9 14.0 41.9

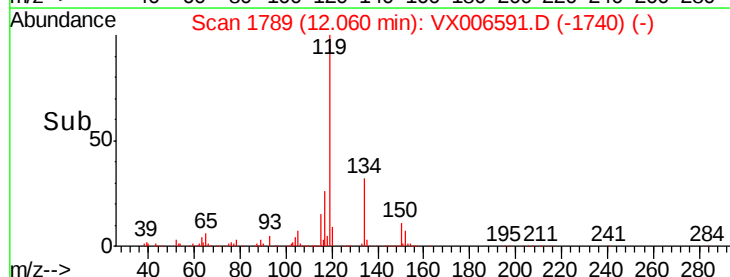
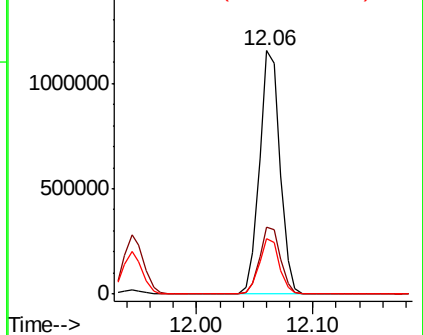
91 22.6 11.3 33.9

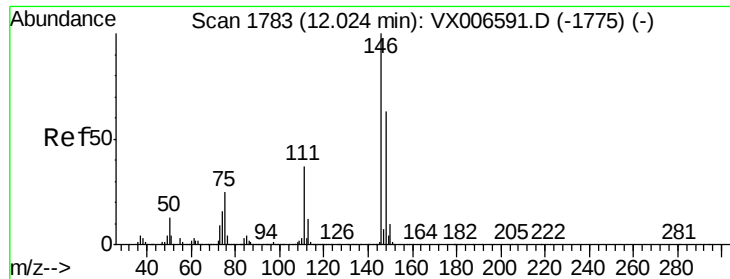


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

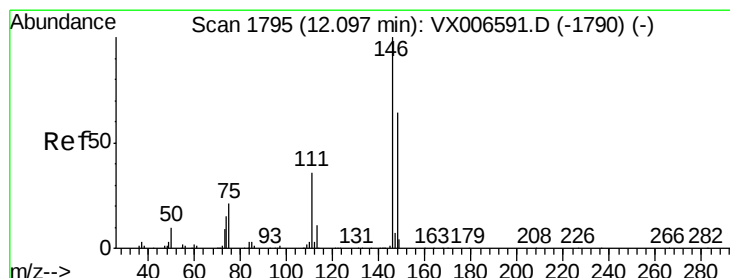
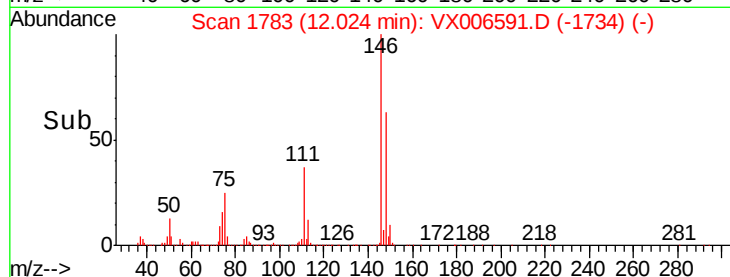
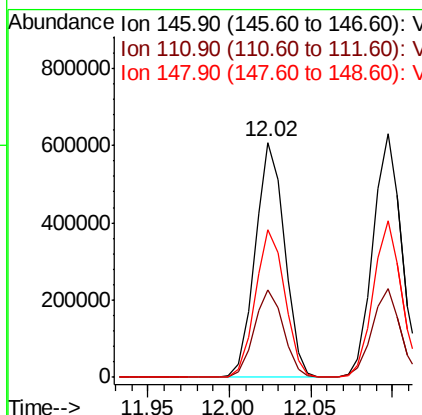
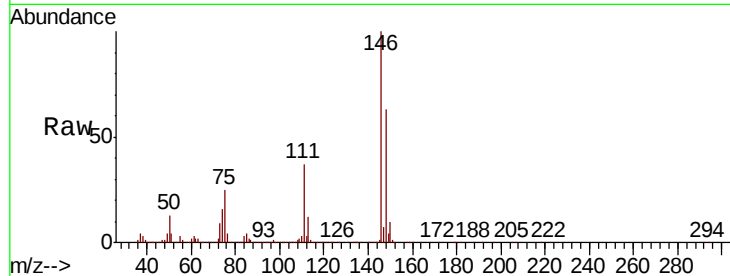




#87
 1,3-Dichlorobenzene
 Concen: 49.039 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX006591.D
 Acq: 18 Dec 2018 12:04

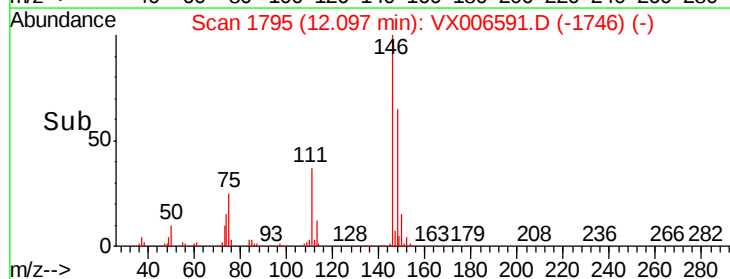
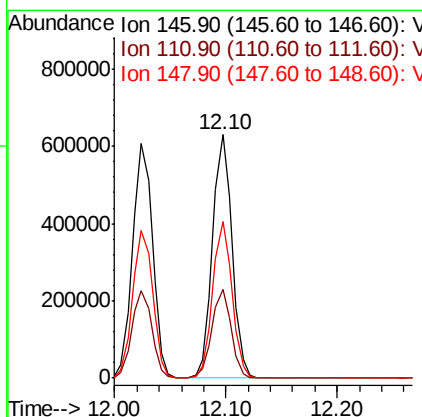
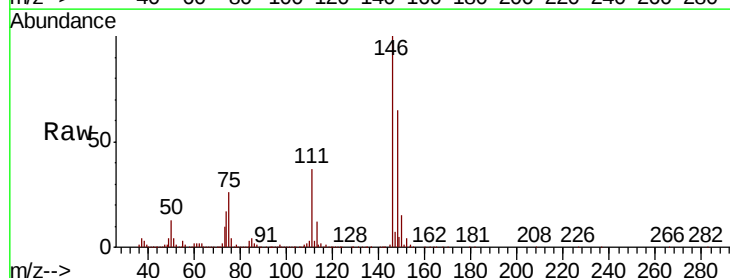
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

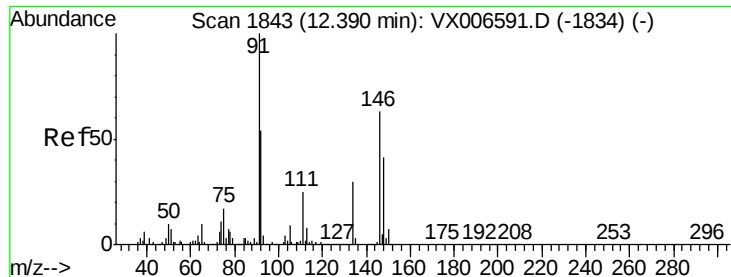
Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.6	55.8
148	63.5	31.8	95.3



#88
 1,4-Dichlorobenzene
 Concen: 48.073 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX006591.D
 Acq: 18 Dec 2018 12:04

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.1	18.1	54.1
148	63.9	31.9	95.9

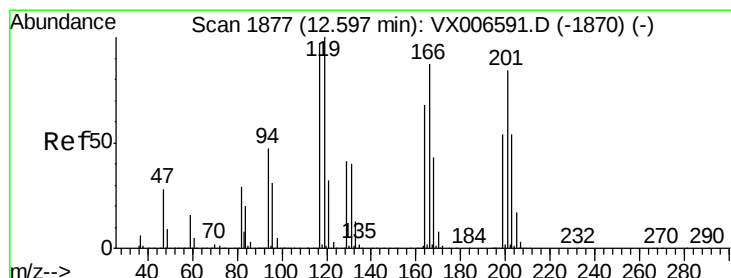
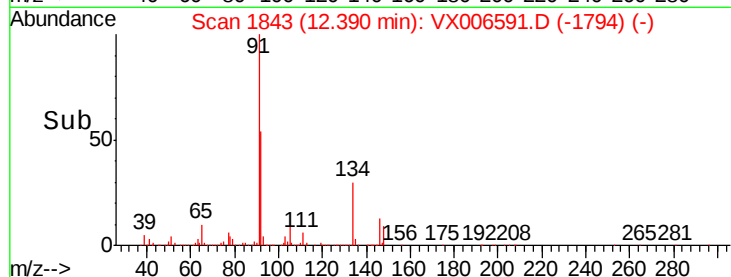
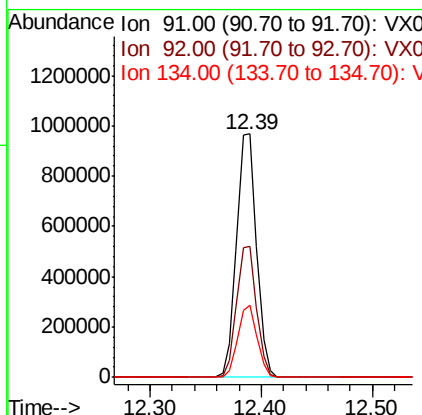
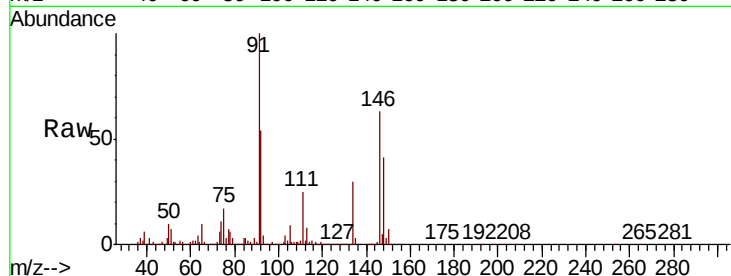




#89
n-Butylbenzene
Concen: 50.045 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX006591.D
Acq: 18 Dec 2018 12:04

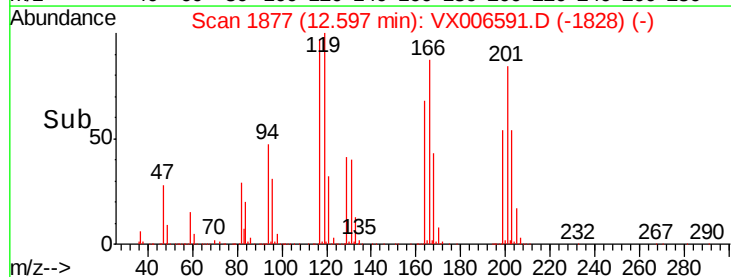
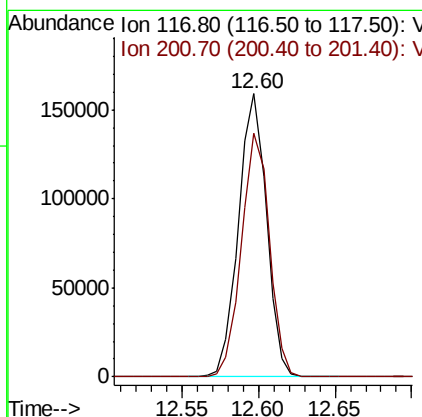
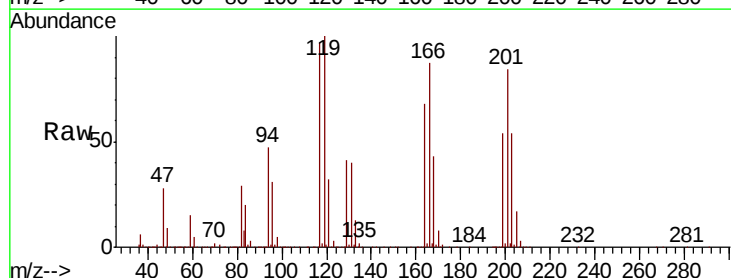
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 1206178
Ion Ratio Lower Upper
91 100
92 53.6 26.8 80.4
134 28.8 14.4 43.2



#90
Hexachloroethane
Concen: 52.476 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX006591.D
Acq: 18 Dec 2018 12:04

Tgt Ion: 117 Resp: 202446
Ion Ratio Lower Upper
117 100
201 85.8 42.9 128.7





#91

1,2-Dichlorobenzene

Concen: 48.184 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX006591.D

Acq: 18 Dec 2018 12:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

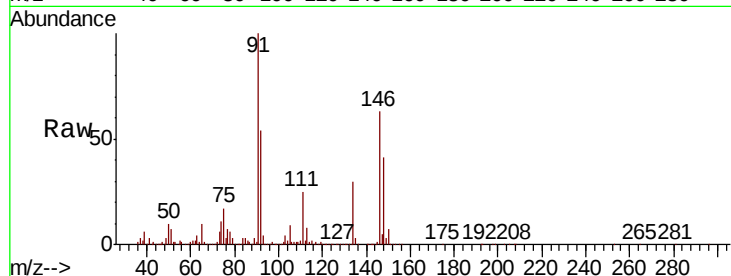
Tgt Ion:146 Resp: 748632

Ion Ratio Lower Upper

146 100

111 38.8 19.4 58.2

148 64.6 32.3 96.9

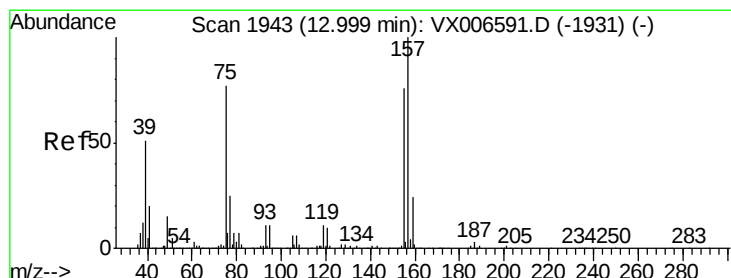
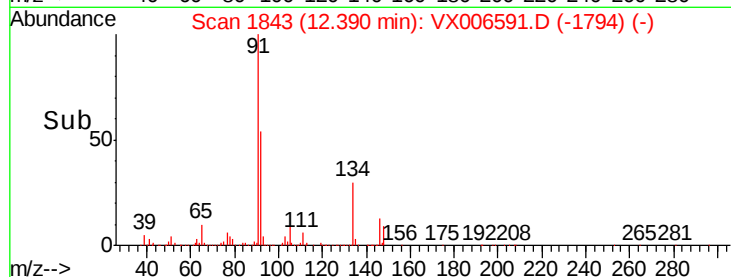
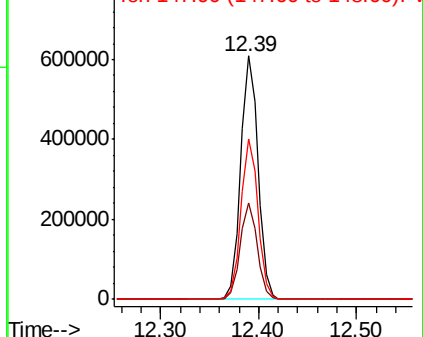


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 50.747 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VX006591.D

Acq: 18 Dec 2018 12:04

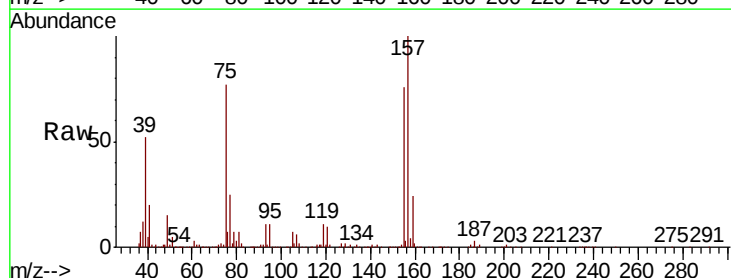
Tgt Ion: 75 Resp: 99543

Ion Ratio Lower Upper

75 100

155 101.2 50.6 151.8

157 129.2 64.6 193.8

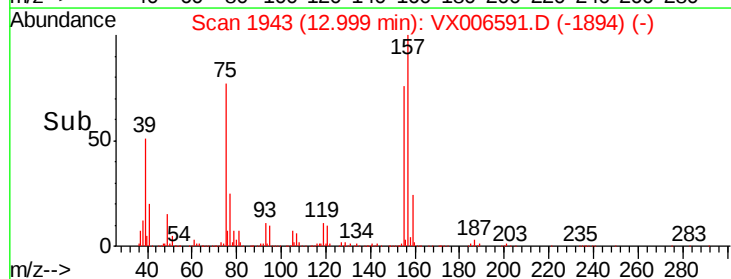
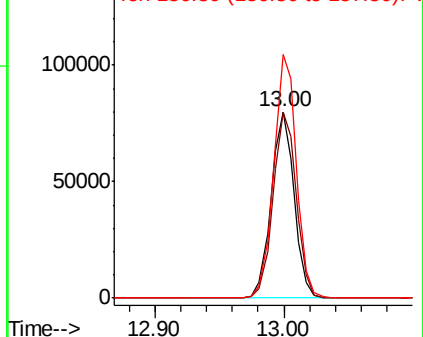


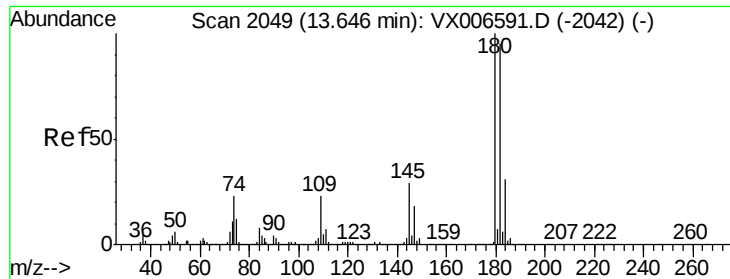
Abundance

Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

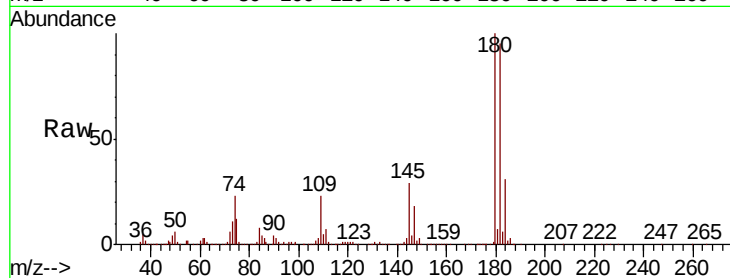




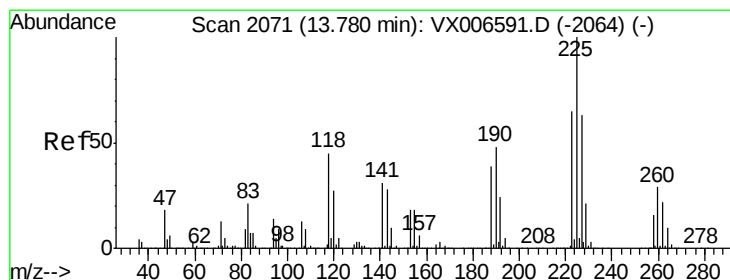
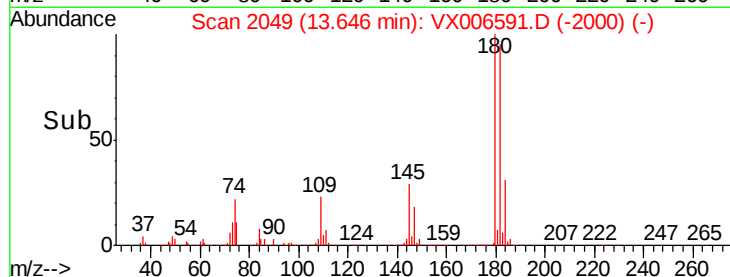
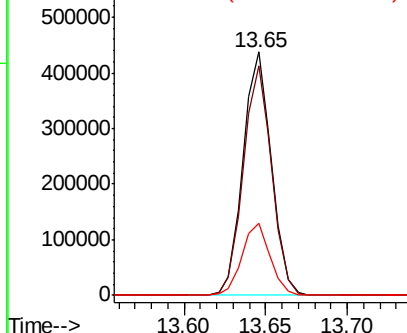
#93
 1,2,4-Trichlorobenzene
 Concen: 49.405 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX006591.D
 Acq: 18 Dec 2018 12:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tgt Ion:180 Resp: 529482
 Ion Ratio Lower Upper
 180 100
 182 94.7 47.3 142.0
 145 29.5 14.8 44.3

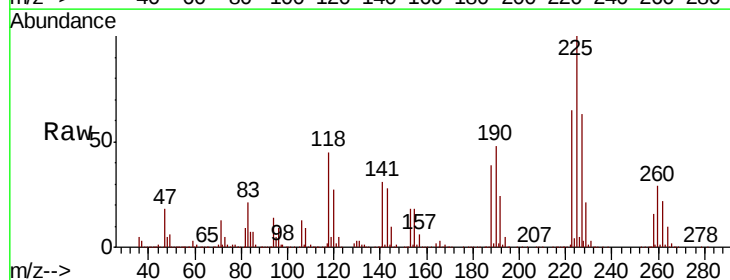


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

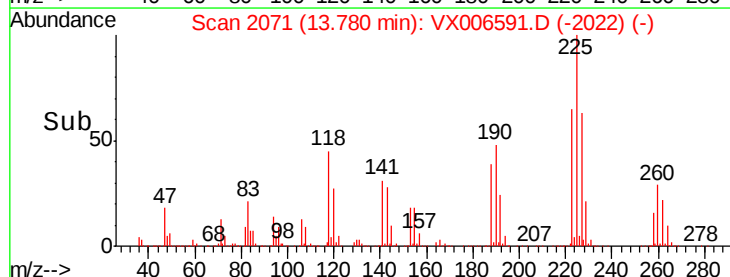
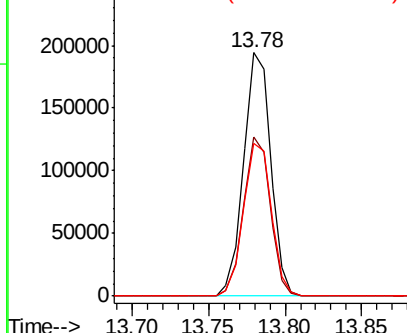


#94
 Hexachlorobutadiene
 Concen: 47.455 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX006591.D
 Acq: 18 Dec 2018 12:04

Tgt Ion:225 Resp: 239717
 Ion Ratio Lower Upper
 225 100
 223 64.2 32.1 96.3
 227 64.5 32.3 96.8



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

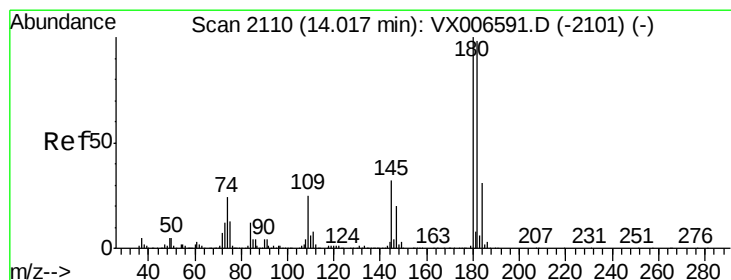
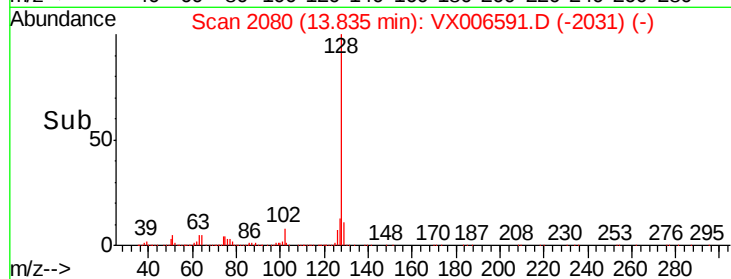
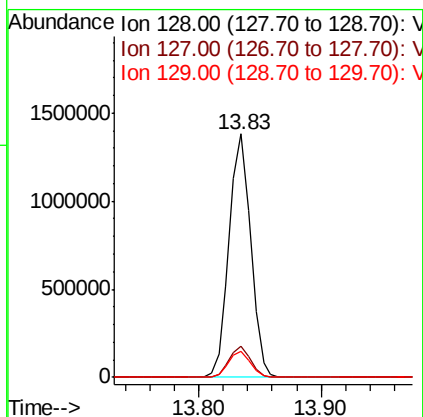
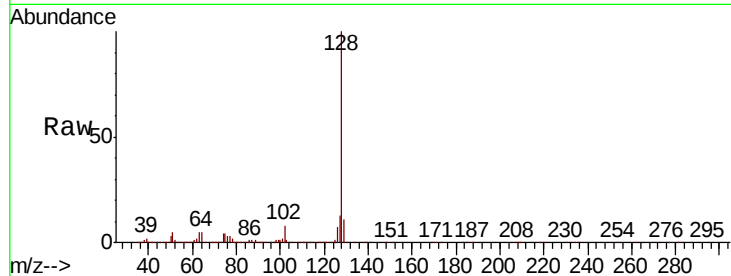




#95
Naphthalene
Concen: 49.247 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX006591.D
Acq: 18 Dec 2018 12:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:128 Resp: 1684540
Ion Ratio Lower Upper
128 100
127 12.6 10.1 15.1
129 10.8 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 47.389 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX006591.D
Acq: 18 Dec 2018 12:04

Tgt Ion:180 Resp: 524375
Ion Ratio Lower Upper
180 100
182 97.0 48.5 145.5
145 31.9 16.0 47.9

