

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX112018\
 Data File : VX006109.D
 Acq On : 20 Nov 2018 19:03
 Operator : JC/MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Quant Time: Nov 21 07:58:59 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112018W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 21 07:49:48 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	316539	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	463877	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	441397	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	250060	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	364186	99.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	198.58%	
35) Dibromofluoromethane	5.50	113	298086	100.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	200.22%	
50) Toluene-d8	8.71	98	1151451	101.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	202.76%	
62) 4-Bromofluorobenzene	11.14	95	446926	104.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	209.76%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	220476	93.730	ug/l	98
3) Chloromethane	1.32	50	281147	94.616	ug/l	99
4) Vinyl Chloride	1.41	62	286798	94.889	ug/l	98
5) Bromomethane	1.64	94	227020	108.340	ug/l	99
6) Chloroethane	1.71	64	163701	87.912	ug/l	99
7) Trichlorofluoromethane	1.92	101	385096	97.395	ug/l	99
8) Diethyl Ether	2.19	74	155901	93.276	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	216170	92.200	ug/l	99
10) Methyl Iodide	2.51	142	310377	105.588	ug/l	99
11) Tert butyl alcohol	3.09	59	373762	479.022	ug/l	99
12) 1,1-Dichloroethene	2.37	96	207593	90.825	ug/l	92
13) Acrolein	2.29	56	225843	483.709	ug/l	98
14) Allyl chloride	2.72	41	444592	95.076	ug/l	99
15) Acrylonitrile	3.15	53	839204	486.944	ug/l	100
16) Acetone	2.45	43	751951	461.996	ug/l	100
17) Carbon Disulfide	2.56	76	607779	98.480	ug/l	98
18) Methyl Acetate	2.78	43	407281	97.578	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	747116	94.567	ug/l	100
20) Methylene Chloride	2.85	84	241318	89.986	ug/l	98
21) trans-1,2-Dichloroethene	3.16	96	230703	96.471	ug/l	94
22) Diisopropyl ether	3.87	45	1027043	102.598	ug/l	99
23) Vinyl Acetate	3.82	43	4390517	528.664	ug/l	100
24) 1,1-Dichloroethane	3.70	63	454701	96.415	ug/l	99
25) 2-Butanone	4.70	43	1485463	491.701	ug/l	99
26) 2,2-Dichloropropane	4.58	77	374165	96.261	ug/l	100
27) cis-1,2-Dichloroethene	4.59	96	316433	94.673	ug/l	98
28) Bromochloromethane	5.02	49	257236	93.586	ug/l	99
29) Tetrahydrofuran	5.15	42	960155	509.476	ug/l	100
30) Chloroform	5.21	83	530834	92.884	ug/l	100
31) Cyclohexane	5.57	56	482219	97.889	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	456388	98.900	ug/l	100
36) 1,1-Dichloropropene	5.80	75	406731	96.379	ug/l	99
37) Ethyl Acetate	4.86	43	533080	98.182	ug/l	100
38) Carbon Tetrachloride	5.78	117	396860	100.050	ug/l	99

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112018W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 21 07:49:48 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	481251	100.098	ug/l	99
40) Benzene	6.14	78	1199755	96.495	ug/l	100
41) Methacrylonitrile	5.06	41	295338	98.705	ug/l	99
42) 1,2-Dichloroethane	6.20	62	437183	94.051	ug/l	100
43) Isopropyl Acetate	6.46	43	815054	103.947	ug/l	100
44) Trichloroethene	7.21	130	334486	96.794	ug/l	98
45) 1,2-Dichloropropane	7.52	63	321444	97.690	ug/l	99
46) Dibromomethane	7.66	93	211540	93.876	ug/l	99
47) Bromodichloromethane	7.90	83	411465	98.727	ug/l	99
48) Methyl methacrylate	7.77	41	433518	109.015	ug/l	99
49) 1,4-Dioxane	7.76	88	192496	2040.326	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	2975611	529.352	ug/l	99
52) Toluene	8.79	92	772382	100.435	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	464261	106.748	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	499296	103.850	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	320597	96.259	ug/l	97
56) Ethyl methacrylate	9.18	69	513005	112.181	ug/l	99
57) 1,3-Dichloropropane	9.37	76	533343	97.151	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	1422830	541.360	ug/l	99
59) 2-Hexanone	9.50	43	2395205	536.913	ug/l	100
60) Dibromochloromethane	9.59	129	344146	105.394	ug/l	99
61) 1,2-Dibromoethane	9.67	107	344164	100.304	ug/l	100
64) Tetrachloroethene	9.34	164	344188	94.754	ug/l	98
65) Chlorobenzene	10.14	112	890594	98.365	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	315064	101.360	ug/l	100
67) Ethyl Benzene	10.25	91	1545273	104.237	ug/l	99
68) m/p-Xylenes	10.36	106	1196225	207.223	ug/l	99
69) o-Xylene	10.70	106	582554	105.650	ug/l	99
70) Styrene	10.71	104	982458	109.275	ug/l	99
71) Bromoform	10.86	173	297330	106.861	ug/l	98
73) Isopropylbenzene	11.02	105	1568263	103.653	ug/l	100
74) N-amyl acetate	10.90	43	776538	113.052	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	549354	96.346	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	657358	127.687	ug/l	88
77) Bromobenzene	11.26	156	418780	98.805	ug/l	100
78) n-propylbenzene	11.36	91	1847240	104.837	ug/l	100
79) 2-Chlorotoluene	11.42	91	1079391	101.258	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	1355141	106.232	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	171369	112.585	ug/l	95
82) 4-Chlorotoluene	11.51	91	1298023	104.342	ug/l	99
83) tert-Butylbenzene	11.77	119	1320107	106.004	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	1384319	106.387	ug/l	99
85) sec-Butylbenzene	11.94	105	1621909	106.476	ug/l	99
86) p-Isopropyltoluene	12.07	119	1460217	107.519	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	771226	98.687	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	780228	96.308	ug/l	100
89) n-Butylbenzene	12.39	91	1342235	109.158	ug/l	99
90) Hexachloroethane	12.60	117	230615	106.408	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	785980	98.374	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	135964	102.763	ug/l	99

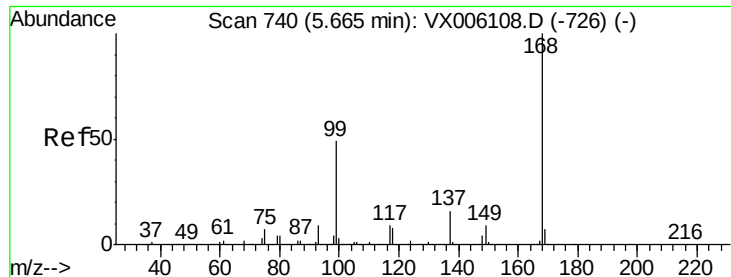
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	592948	105.349	ug/l	99
94) Hexachlorobutadiene	13.78	225	269618	98.290	ug/l	100
95) Naphthalene	13.83	128	1838223	111.067	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	590822	102.966	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX006109.D

Acq: 20 Nov 2018 19:03

Instrument :

MSVOA_X

ClientSampleId :

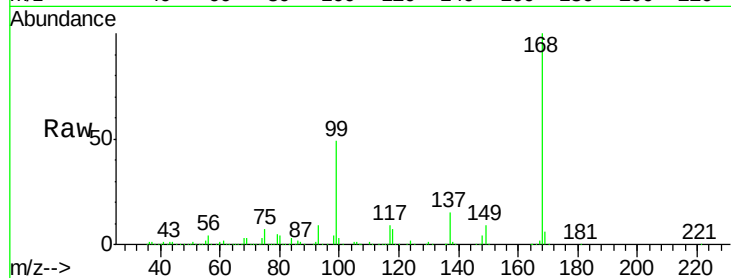
VSTDIC100

Tgt Ion:168 Resp: 316539

Ion Ratio Lower Upper

168 100

99 49.0 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

120000

100000

80000

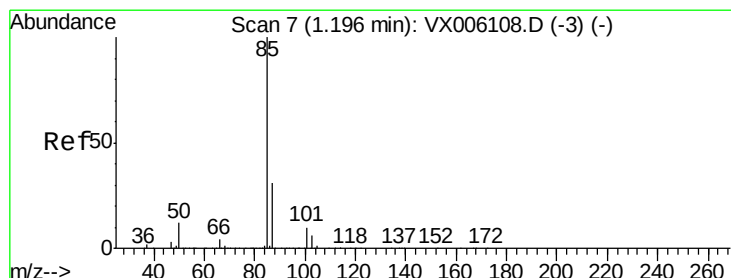
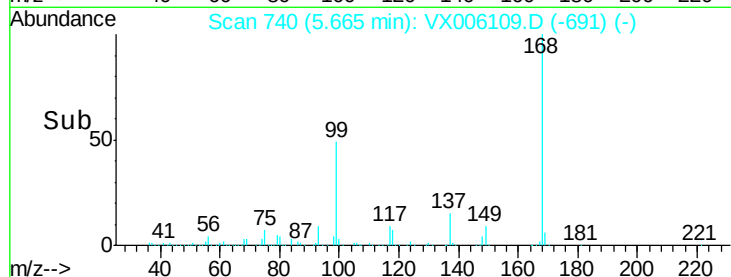
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 93.730 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX006109.D

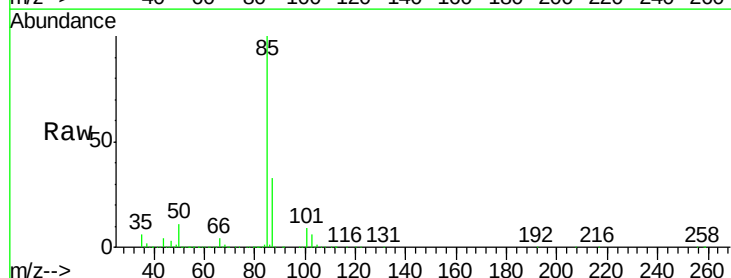
Acq: 20 Nov 2018 19:03

Tgt Ion: 85 Resp: 220476

Ion Ratio Lower Upper

85 100

87 32.8 15.7 47.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

250000

200000

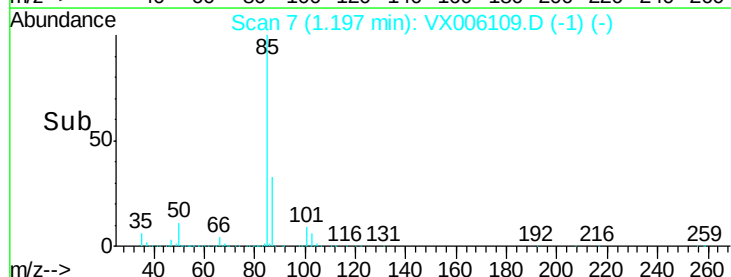
150000

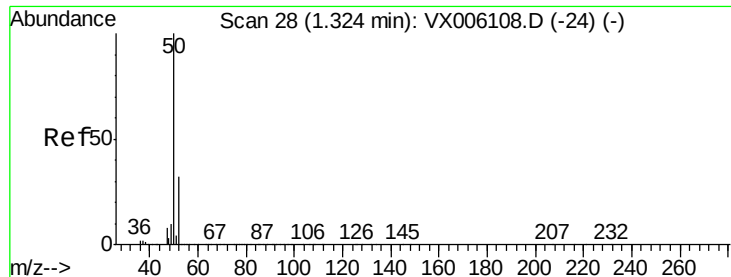
100000

50000

0

Time--> 1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 94.616 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX006109.D

Acq: 20 Nov 2018 19:03

Instrument :

MSVOA_X

ClientSampleId :

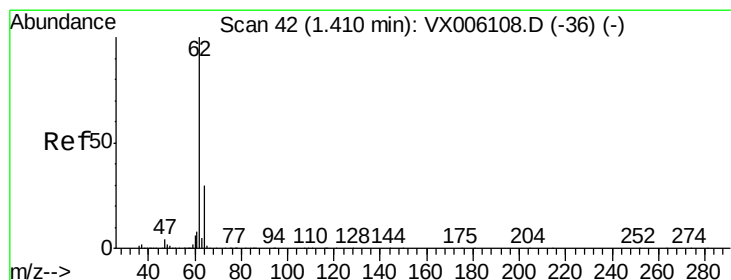
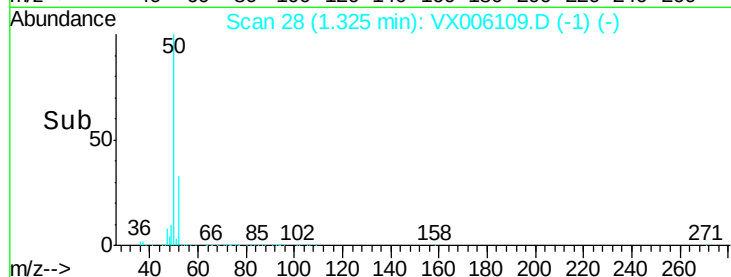
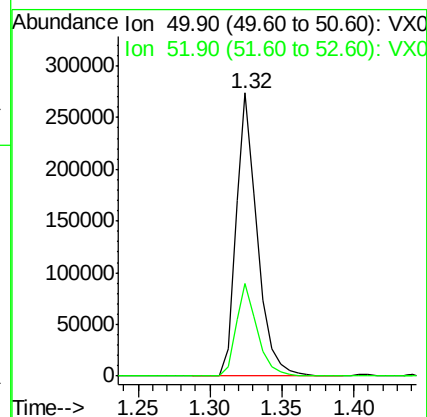
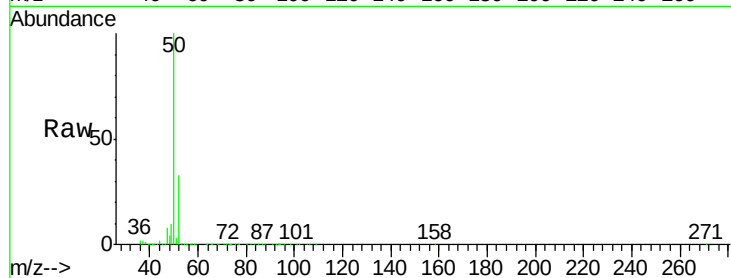
VSTDIC100

Tgt Ion: 50 Resp: 281147

Ion Ratio Lower Upper

50 100

52 32.8 25.6 38.4



#4

Vinyl Chloride

Concen: 94.889 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX006109.D

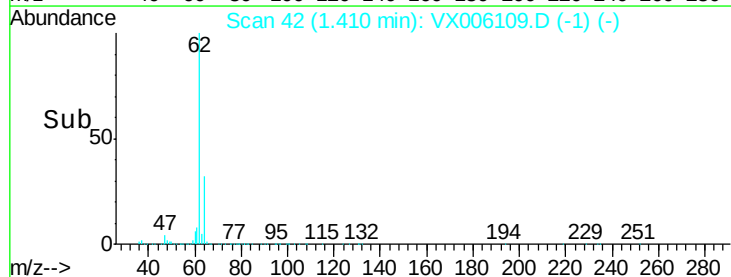
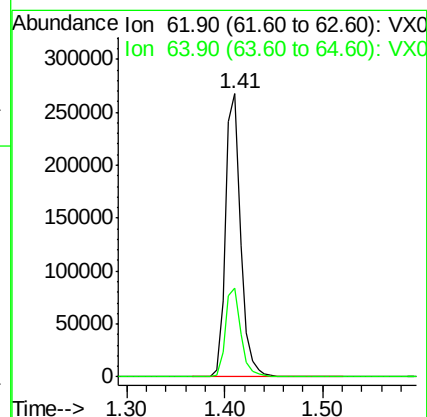
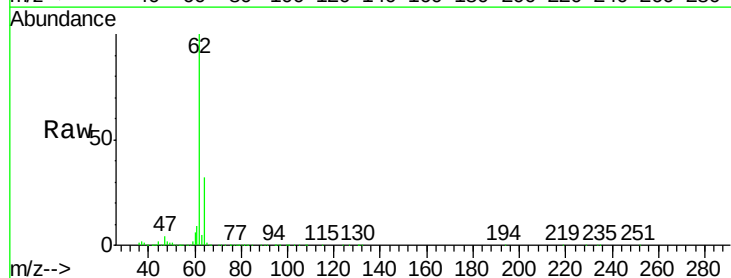
Acq: 20 Nov 2018 19:03

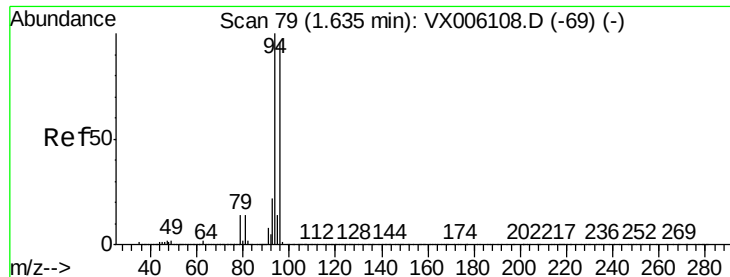
Tgt Ion: 62 Resp: 286798

Ion Ratio Lower Upper

62 100

64 31.5 24.2 36.4





#5

Bromomethane

Concen: 108.340 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX006109.D

Acq: 20 Nov 2018 19:03

Instrument :

MSVOA_X

ClientSampled :

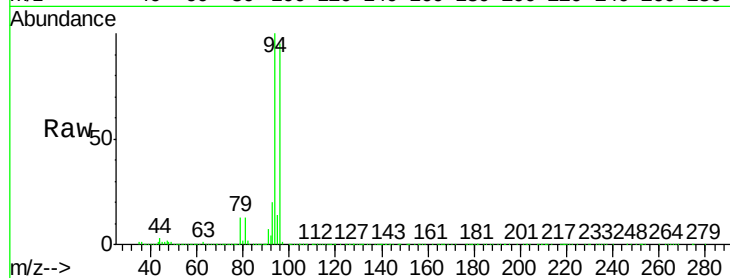
VSTDIC100

Tgt Ion: 94 Resp: 227020

Ion Ratio Lower Upper

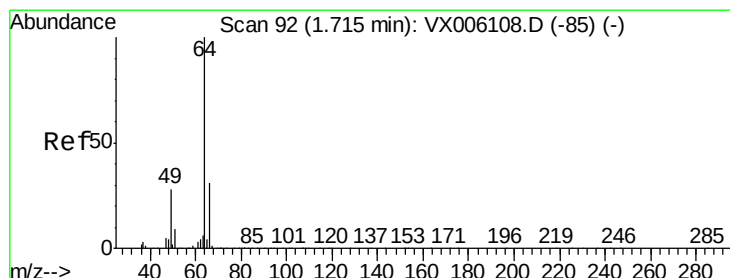
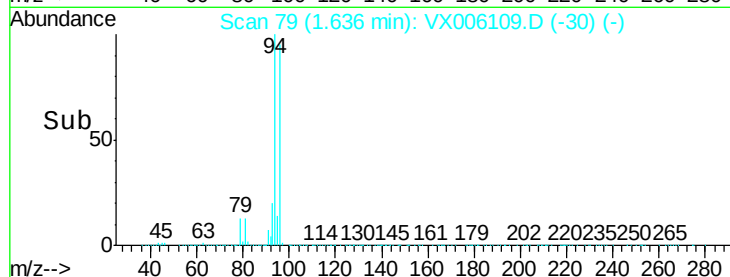
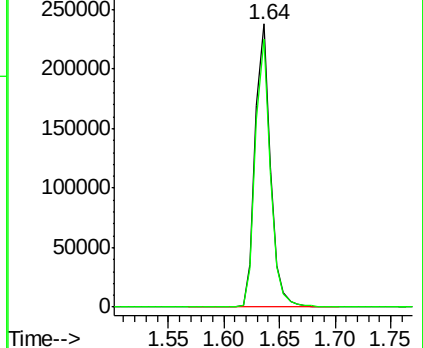
94 100

96 94.8 76.7 115.1



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 87.912 ug/l

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX006109.D

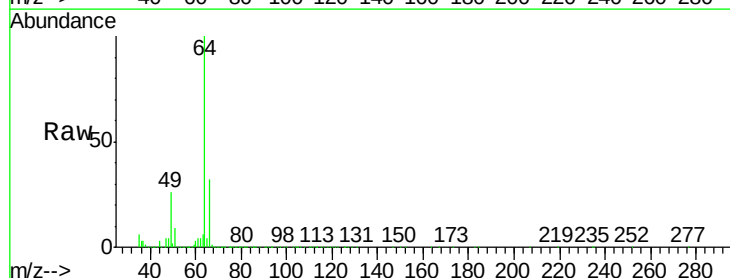
Acq: 20 Nov 2018 19:03

Tgt Ion: 64 Resp: 163701

Ion Ratio Lower Upper

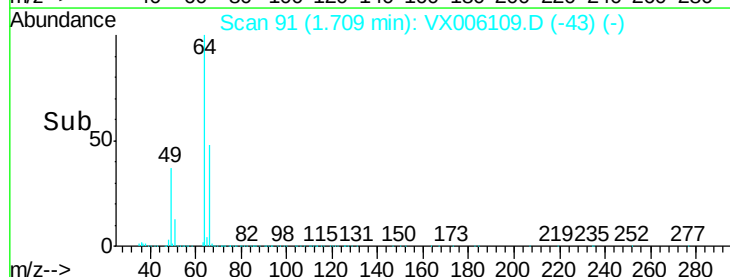
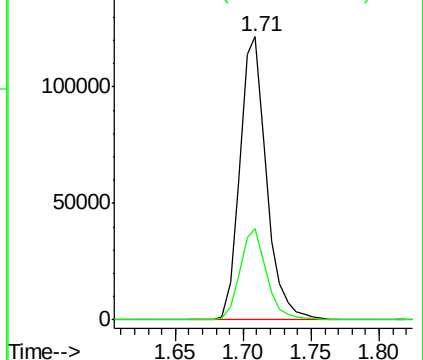
64 100

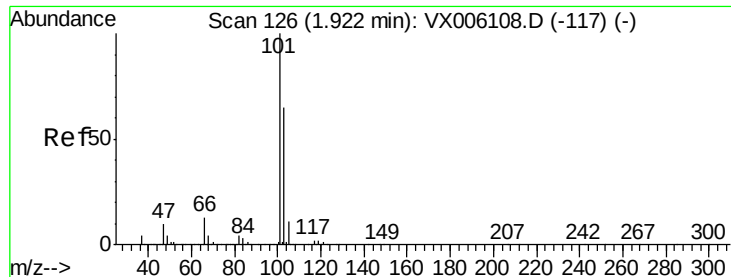
66 32.1 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



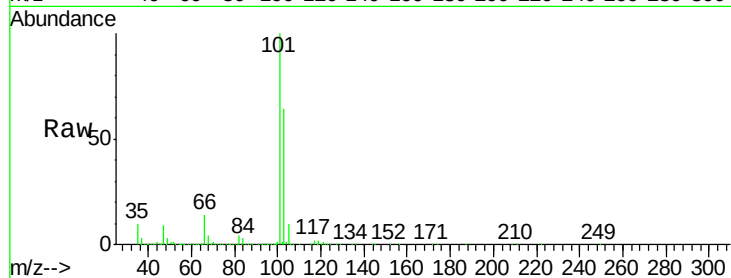


#7

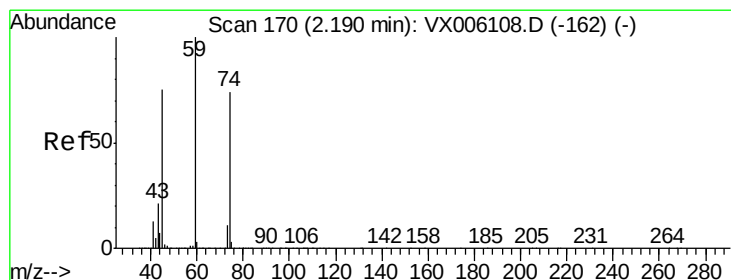
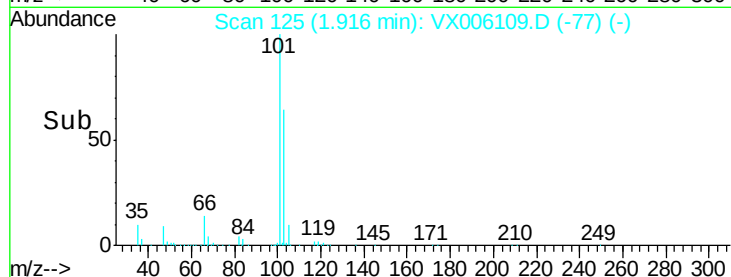
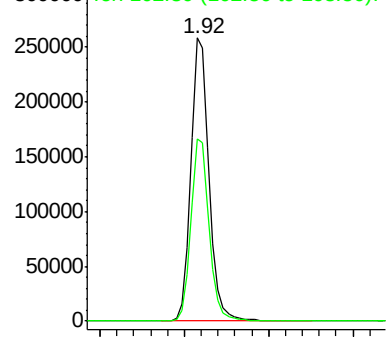
Trichlorofluoromethane
 Concen: 97.395 ug/l
 RT: 1.92 min Scan# 125
 Delta R.T. -0.01 min
 Lab File: VX006109.D
 Acq: 20 Nov 2018 19:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tgt Ion: 101 Resp: 385096
 Ion Ratio Lower Upper
 101 100
 103 64.2 52.1 78.1



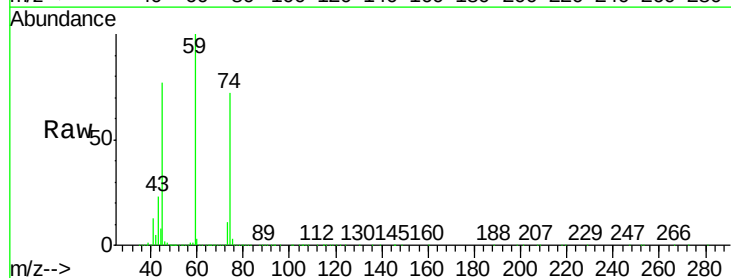
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



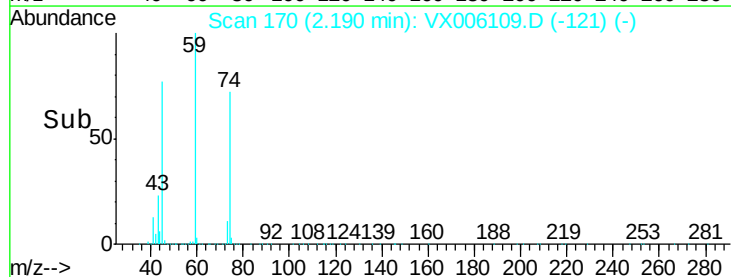
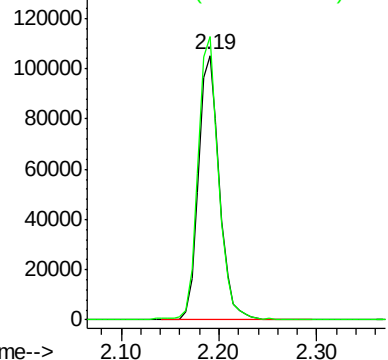
#8

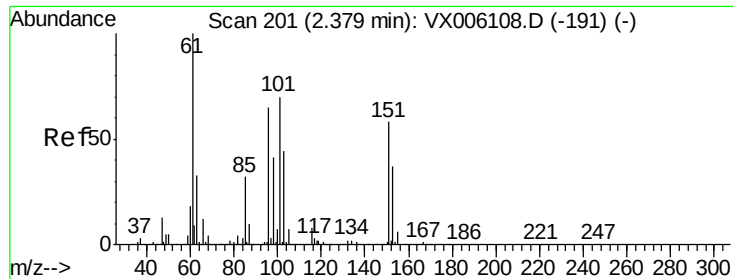
Diethyl Ether
 Concen: 93.276 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. 0.00 min
 Lab File: VX006109.D
 Acq: 20 Nov 2018 19:03

Tgt Ion: 74 Resp: 155901
 Ion Ratio Lower Upper
 74 100
 45 105.4 52.2 156.6



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 92.200 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX006109.D

Acq: 20 Nov 2018 19:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

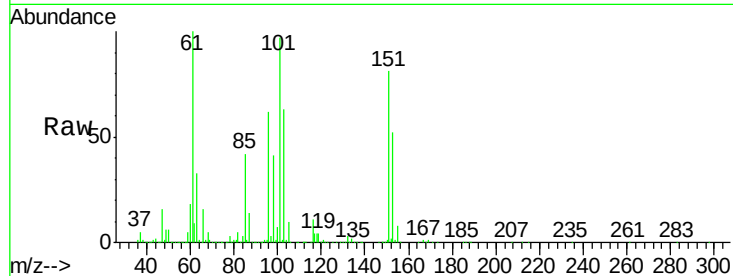
Tgt Ion:101 Resp: 216170

Ion Ratio Lower Upper

101 100

85 44.8 36.0 54.0

151 82.8 65.8 98.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V

150000

100000

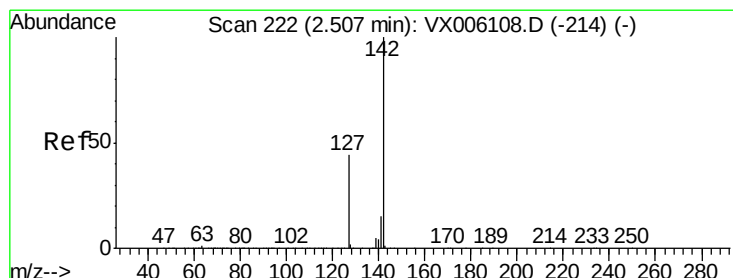
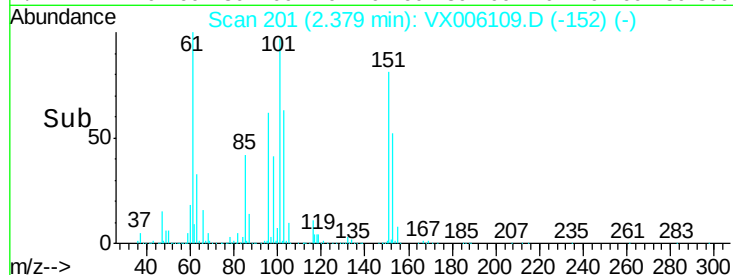
50000

0

2.38

2.30 2.40 2.50

Time-->



#10

Methyl Iodide

Concen: 105.588 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX006109.D

Acq: 20 Nov 2018 19:03

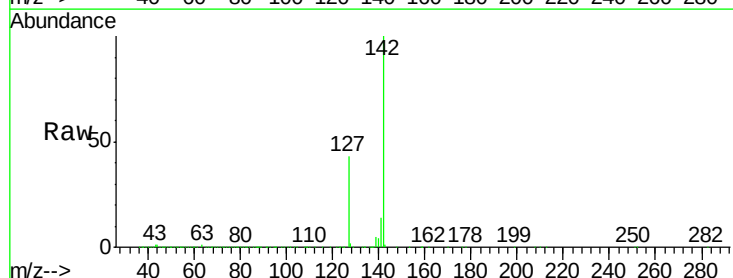
Tgt Ion:142 Resp: 310377

Ion Ratio Lower Upper

142 100

127 44.2 36.0 54.0

141 14.5 11.7 17.5



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

200000

150000

100000

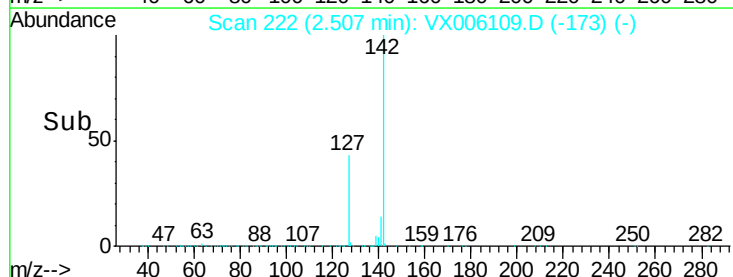
50000

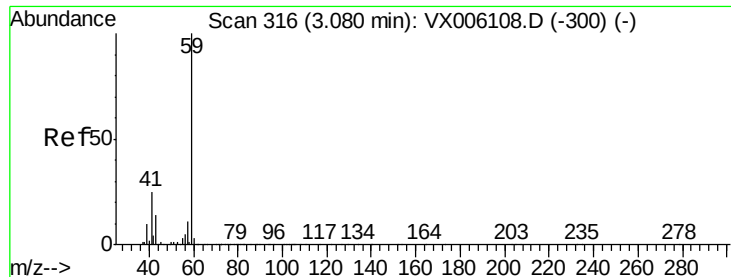
0

2.51

2.40 2.50 2.60

Time-->



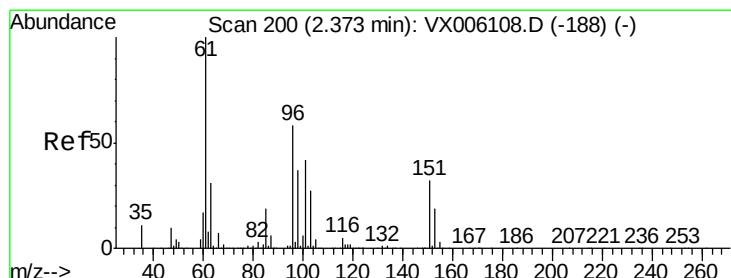
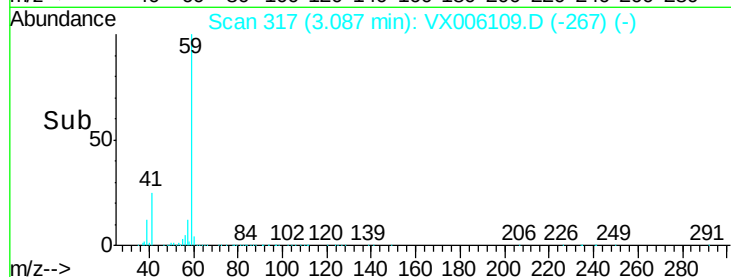
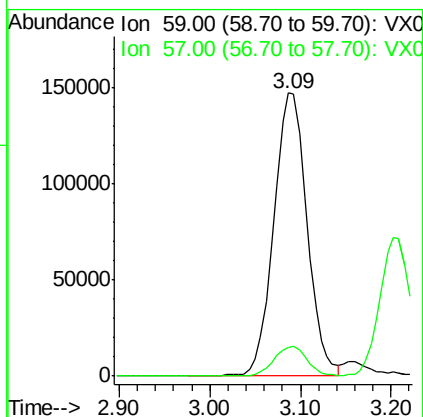
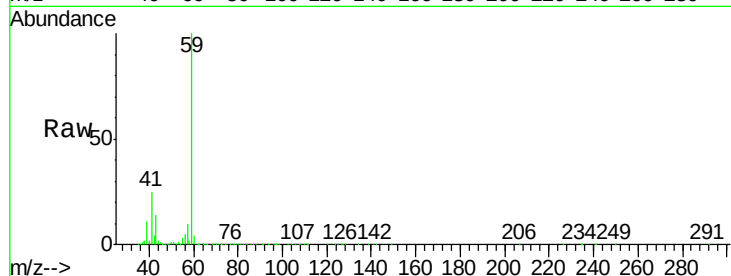


#11

Tert butyl alcohol
Concen: 479.022 ug/l
RT: 3.09 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX006109.D
Acq: 20 Nov 2018 19:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

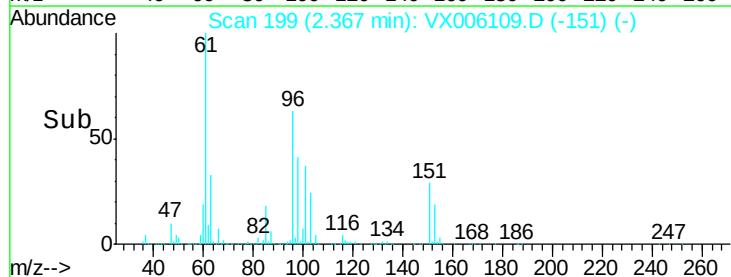
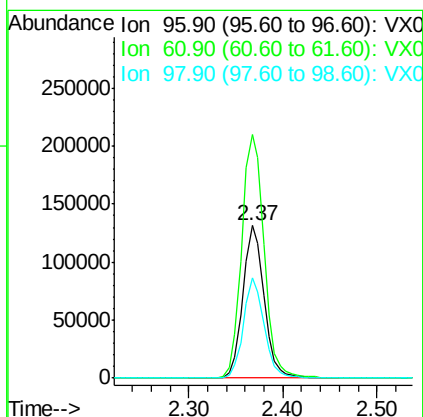
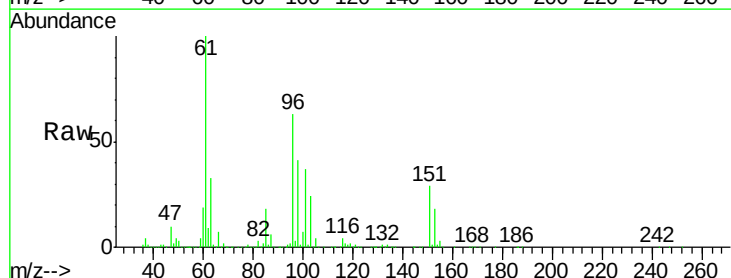
Tgt Ion: 59 Resp: 373762
Ion Ratio Lower Upper
59 100
57 10.6 8.7 13.1

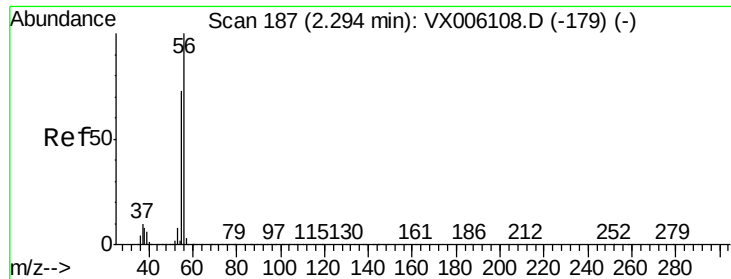


#12

1,1-Dichloroethene
Concen: 90.825 ug/l
RT: 2.37 min Scan# 199
Delta R.T. -0.01 min
Lab File: VX006109.D
Acq: 20 Nov 2018 19:03

Tgt Ion: 96 Resp: 207593
Ion Ratio Lower Upper
96 100
61 159.5 138.2 207.4
98 66.1 51.3 76.9

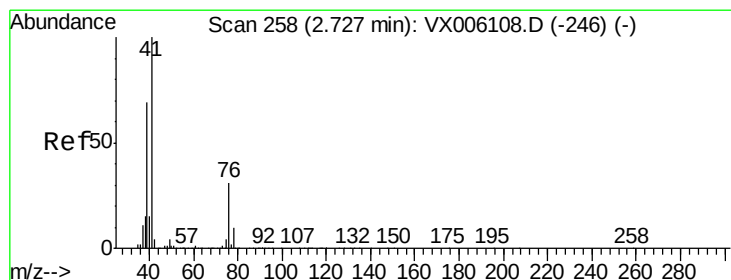
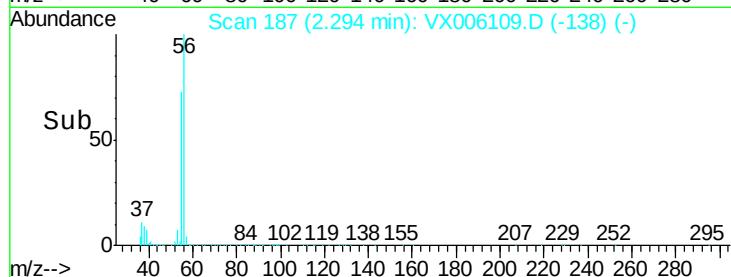
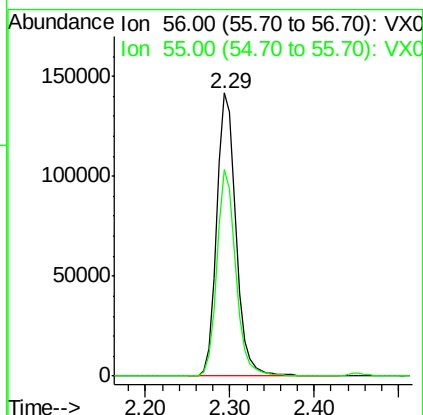
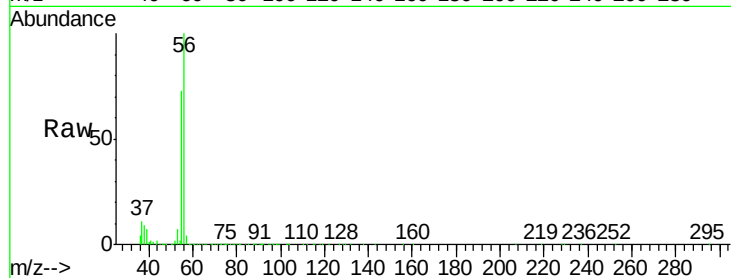




#13
Acrolein
Concen: 483.709 ug/l
RT: 2.29 min Scan# 187
Delta R.T. 0.00 min
Lab File: VX006109.D
Acq: 20 Nov 2018 19:03

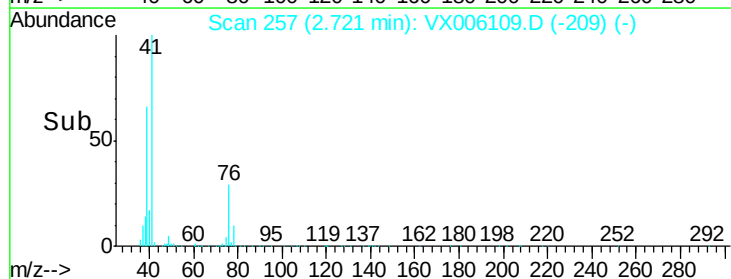
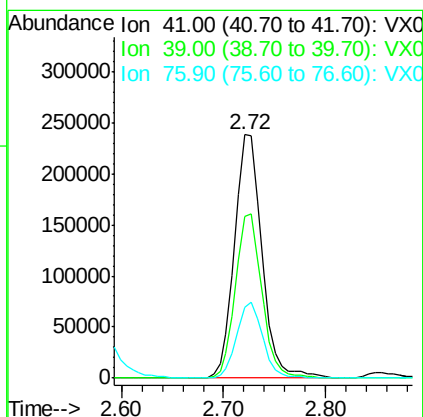
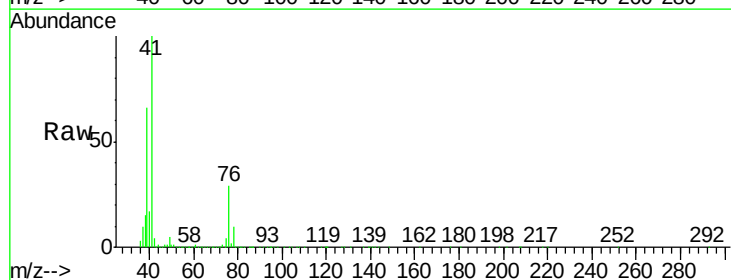
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

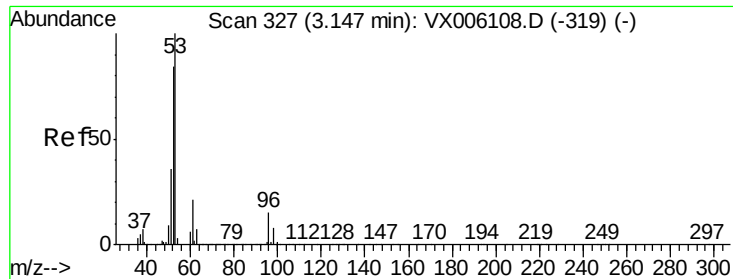
Tgt Ion: 56 Resp: 225843
Ion Ratio Lower Upper
56 100
55 70.9 57.8 86.6



#14
Allyl chloride
Concen: 95.076 ug/l
RT: 2.72 min Scan# 257
Delta R.T. -0.01 min
Lab File: VX006109.D
Acq: 20 Nov 2018 19:03

Tgt Ion: 41 Resp: 444592
Ion Ratio Lower Upper
41 100
39 64.9 52.5 78.7
76 29.3 23.4 35.2





#15

Acrylonitrile

Concen: 486.944 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.01 min

Lab File: VX006109.D

Acq: 20 Nov 2018 19:03

Instrument :

MSVOA_X

ClientSampled :

VSTDICC100

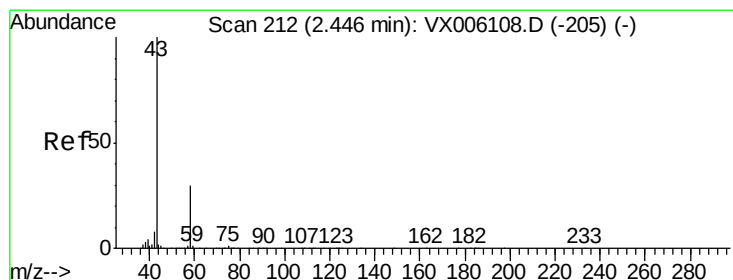
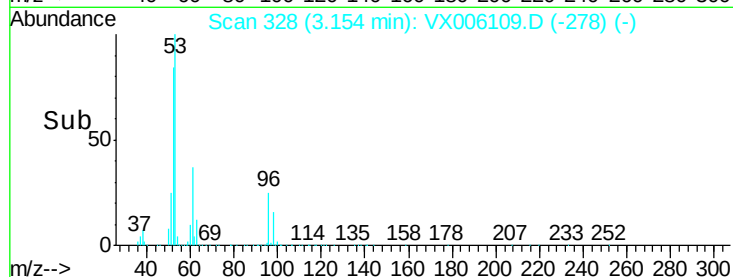
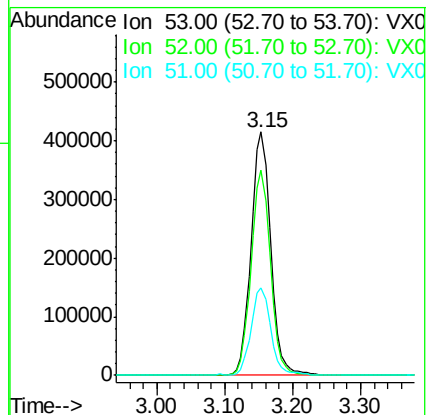
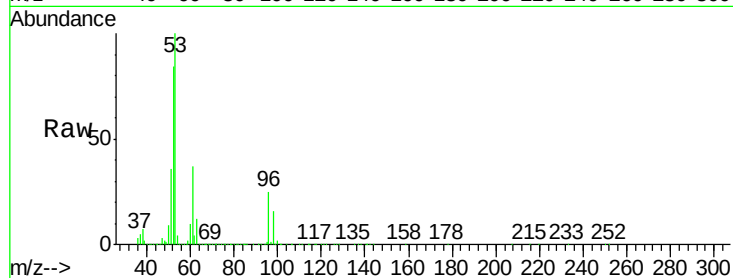
Tgt Ion: 53 Resp: 839204

Ion Ratio Lower Upper

53 100

52 83.0 66.4 99.6

51 36.1 29.4 44.0



#16

Acetone

Concen: 461.996 ug/l

RT: 2.45 min Scan# 213

Delta R.T. 0.01 min

Lab File: VX006109.D

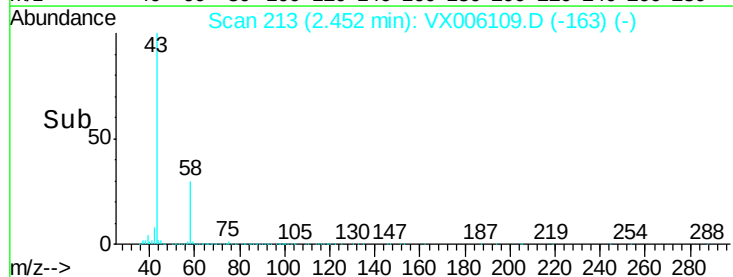
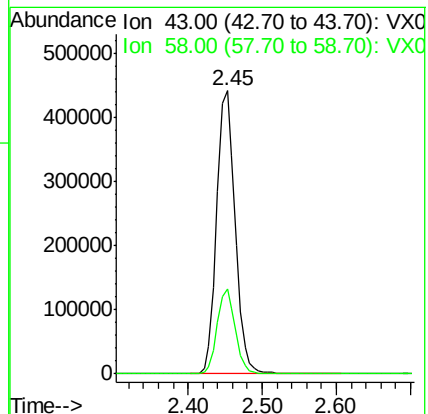
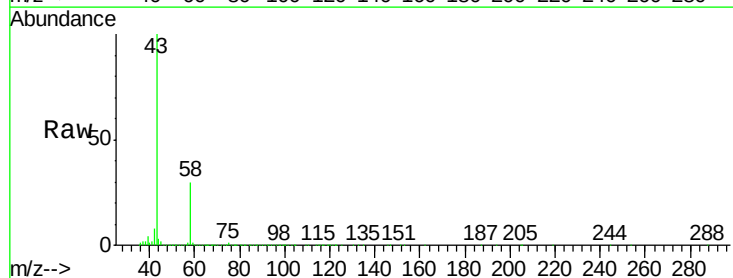
Acq: 20 Nov 2018 19:03

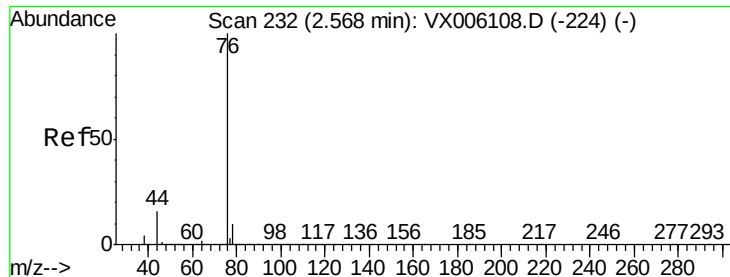
Tgt Ion: 43 Resp: 751951

Ion Ratio Lower Upper

43 100

58 29.8 23.8 35.8





#17

Carbon Disulfide

Concen: 98.480 ug/l

RT: 2.56 min Scan# 231

Delta R.T. -0.01 min

Lab File: VX006109.D

Acq: 20 Nov 2018 19:03

Instrument :

MSVOA_X

ClientSampleId :

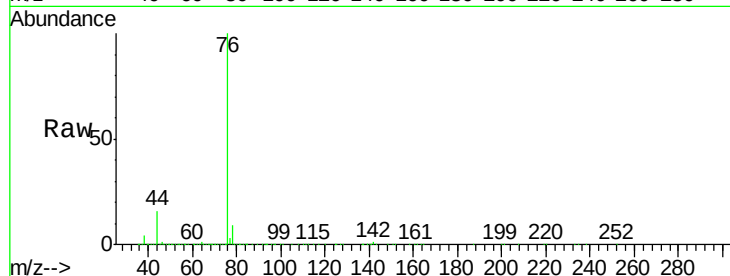
VSTDIC100

Tgt Ion: 76 Resp: 607779

Ion Ratio Lower Upper

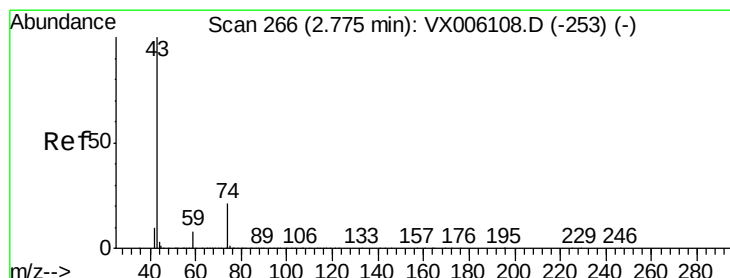
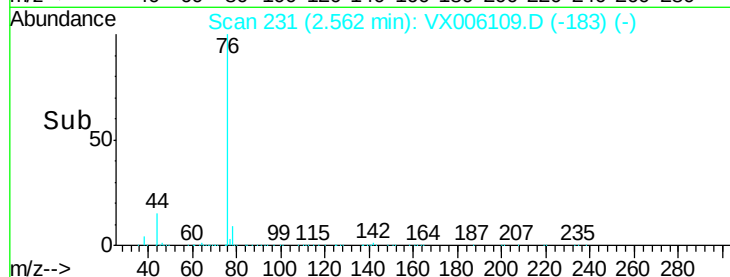
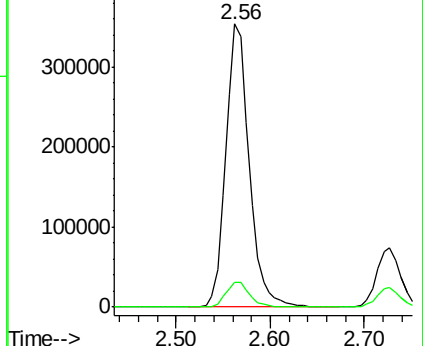
76 100

78 8.9 7.7 11.5



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 97.578 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX006109.D

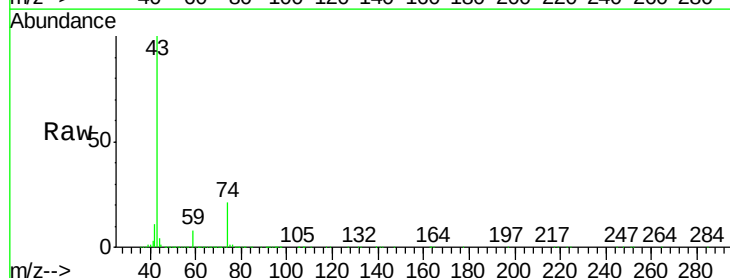
Acq: 20 Nov 2018 19:03

Tgt Ion: 43 Resp: 407281

Ion Ratio Lower Upper

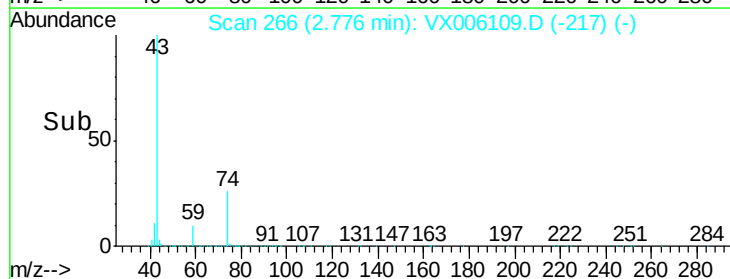
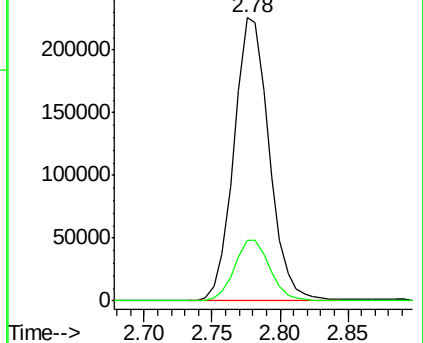
43 100

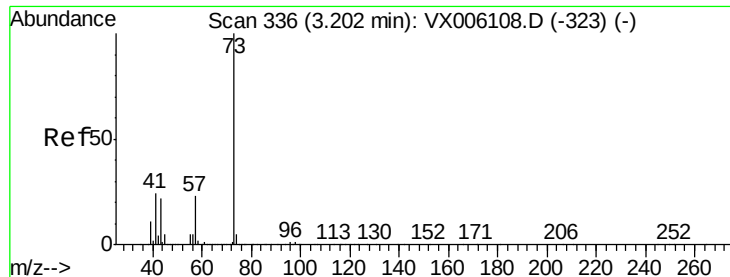
74 21.3 17.3 25.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#19

Methyl tert-butyl Ether

Concen: 94.567 ug/l

RT: 3.20 min Scan# 336

Delta R.T. 0.00 min

Lab File: VX006109.D

Acq: 20 Nov 2018 19:03

Instrument :

MSVOA_X

ClientSampleId :

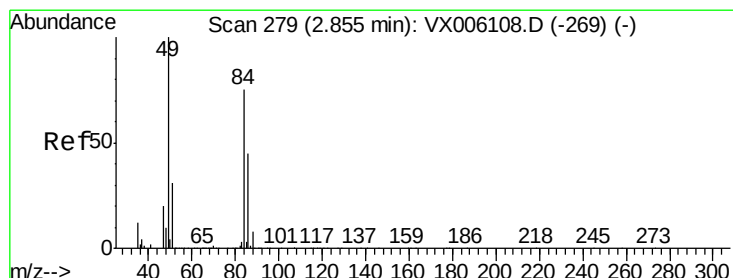
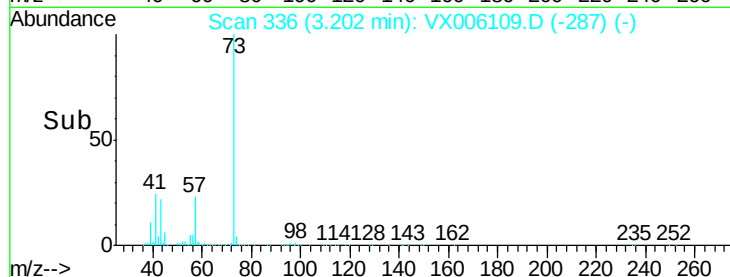
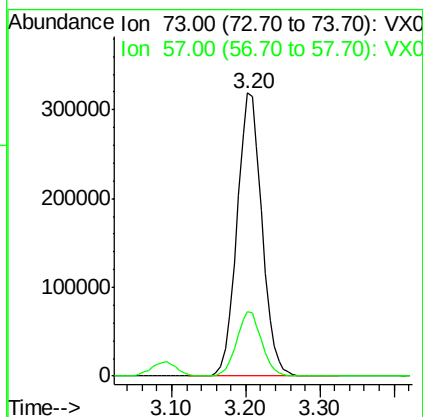
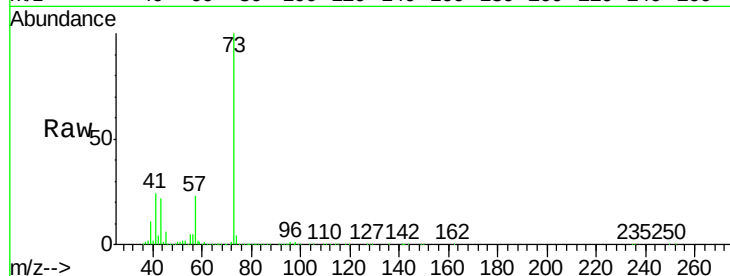
VSTDIC100

Tgt Ion: 73 Resp: 747116

Ion Ratio Lower Upper

73 100

57 22.6 18.2 27.4



#20

Methylene Chloride

Concen: 89.986 ug/l

RT: 2.85 min Scan# 279

Delta R.T. 0.00 min

Lab File: VX006109.D

Acq: 20 Nov 2018 19:03

Tgt Ion: 84 Resp: 241318

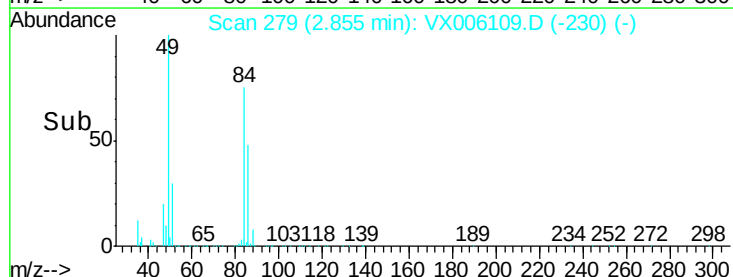
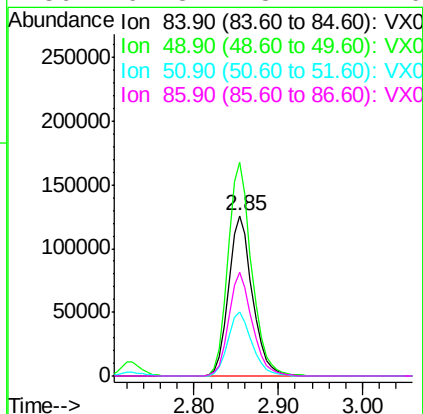
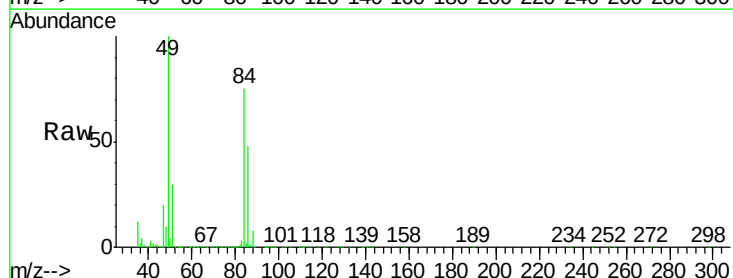
Ion Ratio Lower Upper

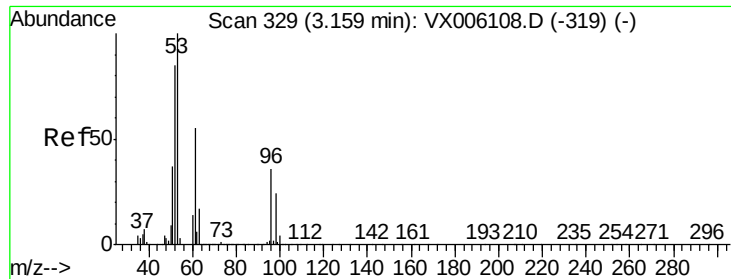
84 100

49 133.2 106.6 159.8

51 40.0 32.6 49.0

86 64.3 48.4 72.6





#21

trans-1,2-Dichloroethene

Concen: 96.471 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.00 min

Lab File: VX006109.D

Acq: 20 Nov 2018 19:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

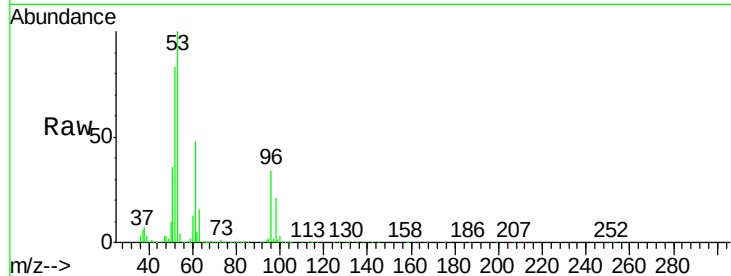
Tgt Ion: 96 Resp: 230703

Ion Ratio Lower Upper

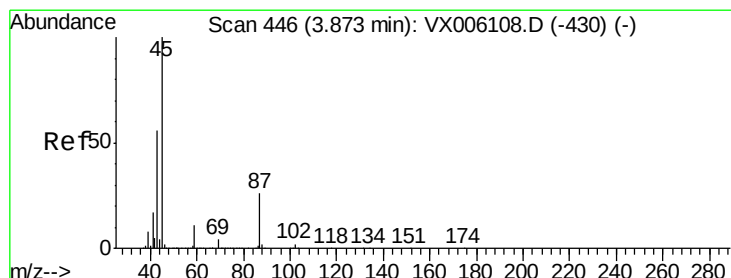
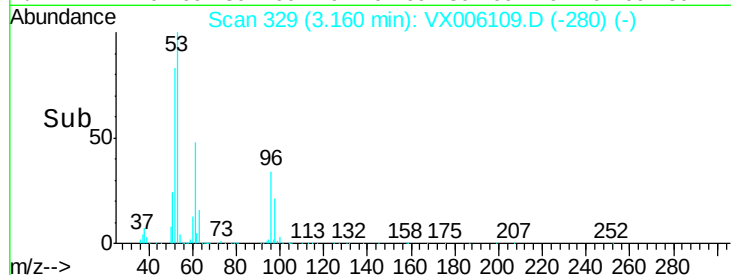
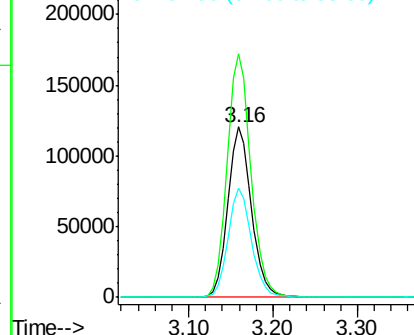
96 100

61 142.8 122.0 183.0

98 64.1 52.7 79.1



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



#22

Diisopropyl ether

Concen: 102.598 ug/l

RT: 3.87 min Scan# 446

Delta R.T. 0.00 min

Lab File: VX006109.D

Acq: 20 Nov 2018 19:03

Tgt Ion: 45 Resp: 1027043

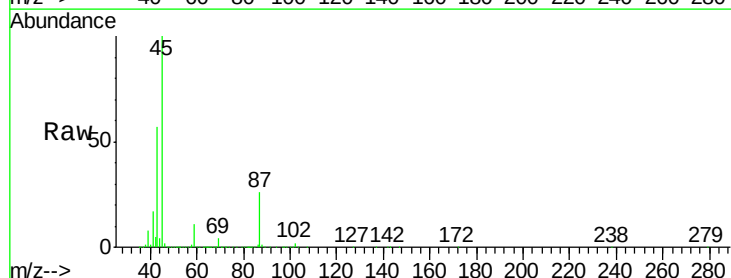
Ion Ratio Lower Upper

45 100

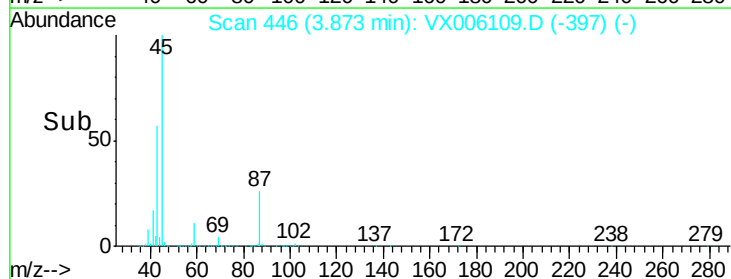
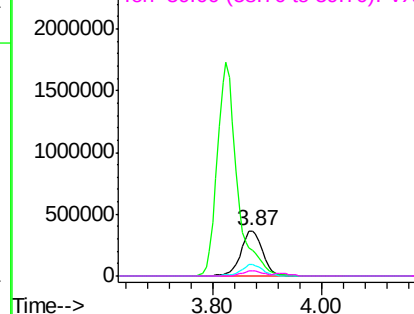
43 56.6 45.8 68.8

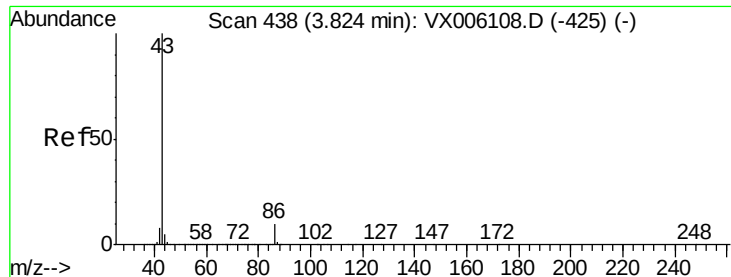
87 25.8 21.0 31.4

59 11.1 8.6 12.8



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





#23

Vinyl Acetate

Concen: 528.664 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.00 min

Lab File: VX006109.D

Acq: 20 Nov 2018 19:03

Instrument :

MSVOA_X

ClientSampleId :

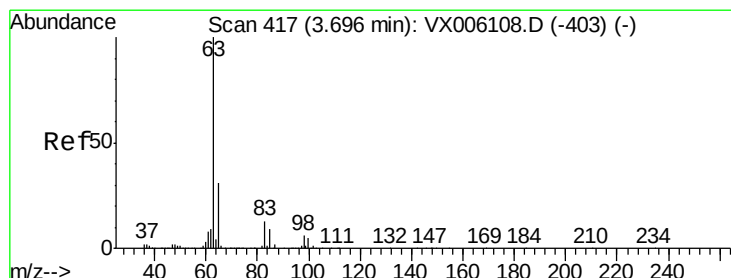
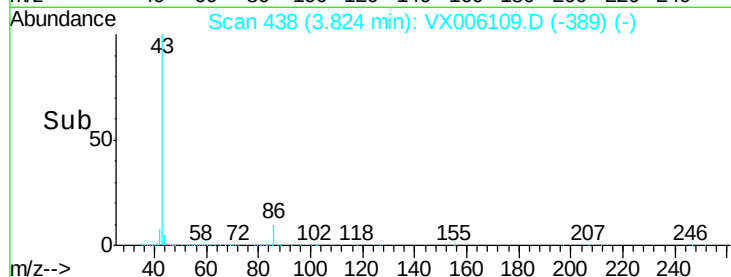
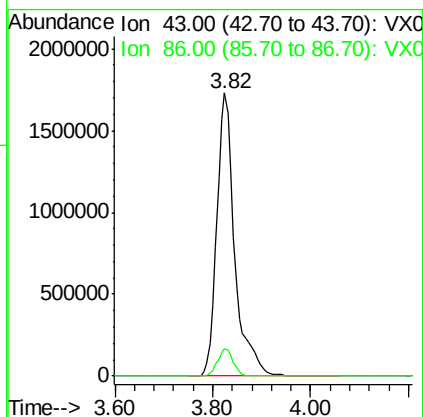
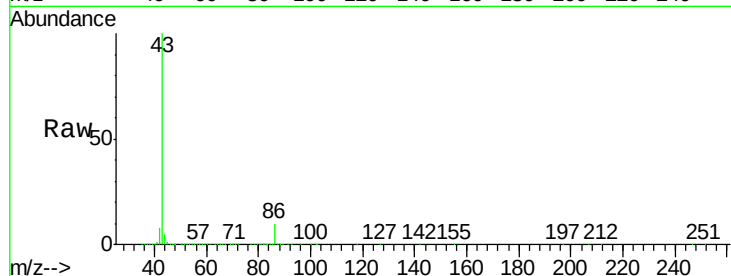
VSTDIC100

Tgt Ion: 43 Resp: 4390517

Ion Ratio Lower Upper

43 100

86 9.6 7.6 11.4



#24

1,1-Dichloroethane

Concen: 96.415 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX006109.D

Acq: 20 Nov 2018 19:03

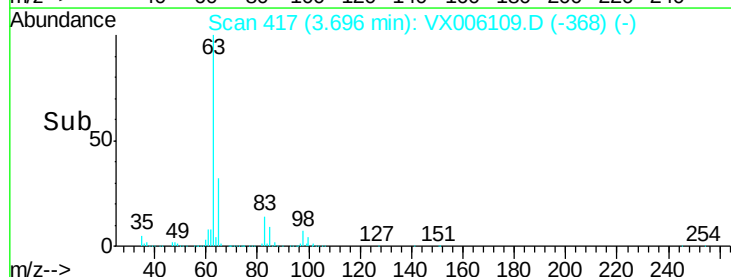
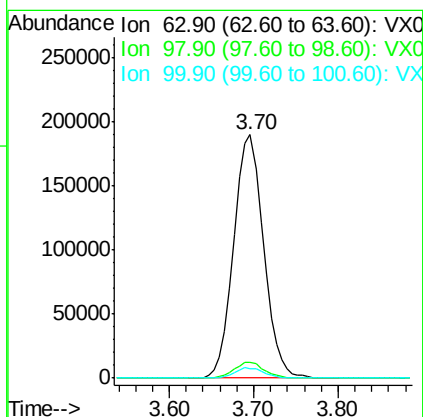
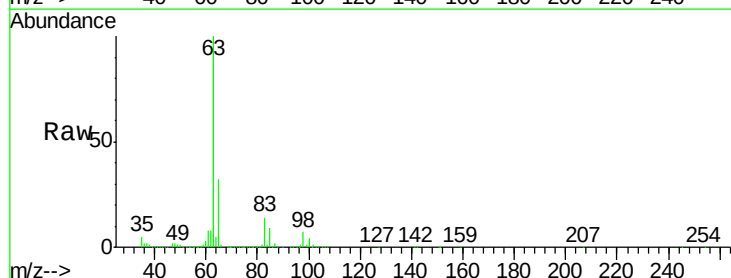
Tgt Ion: 63 Resp: 454701

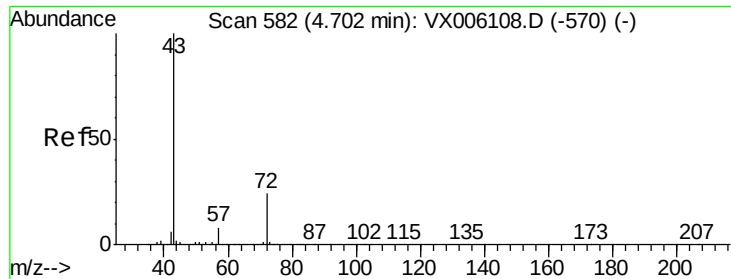
Ion Ratio Lower Upper

63 100

98 6.6 3.3 9.8

100 4.0 2.4 7.1





#25

2-Butanone

Concen: 491.701 ug/l

RT: 4.70 min Scan# 582

Delta R.T. 0.00 min

Lab File: VX006109.D

Acq: 20 Nov 2018 19:03

Instrument :

MSVOA_X

ClientSampleId :

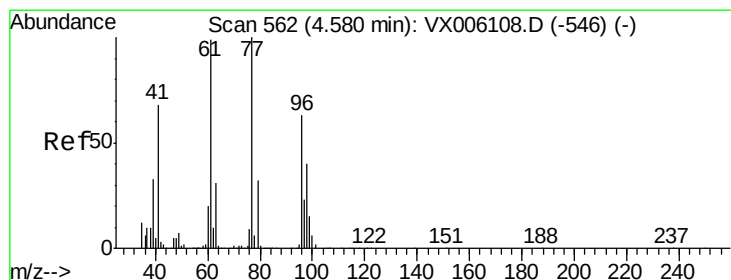
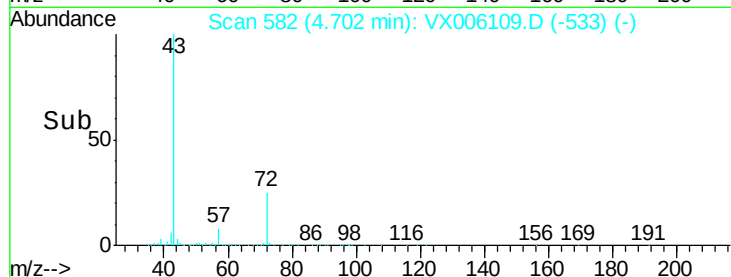
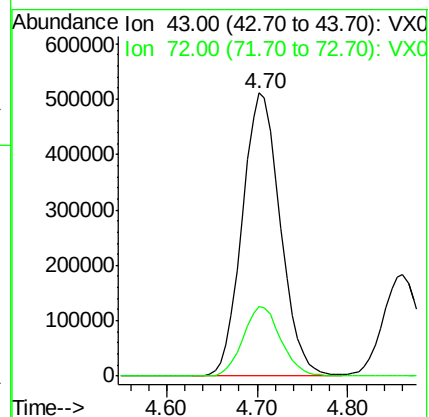
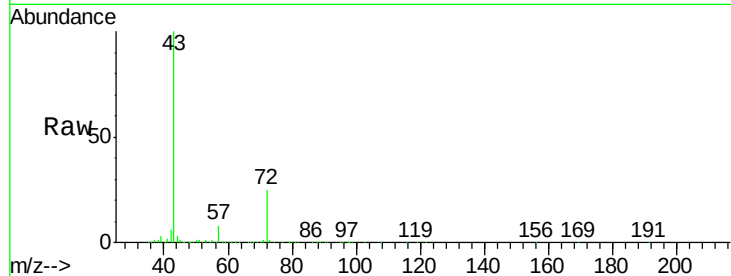
VSTDIC100

Tgt Ion: 43 Resp: 1485463

Ion Ratio Lower Upper

43 100

72 24.5 19.2 28.8



#26

2,2-Dichloropropane

Concen: 96.261 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX006109.D

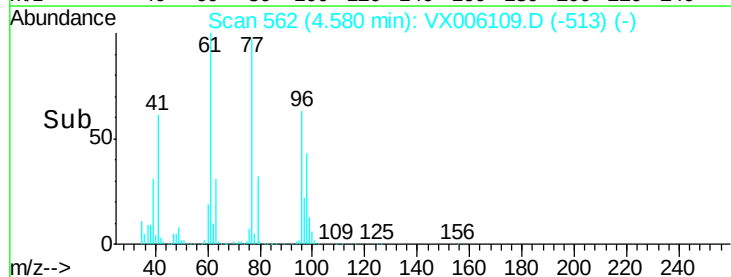
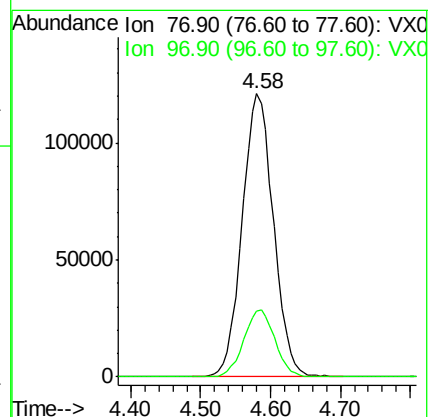
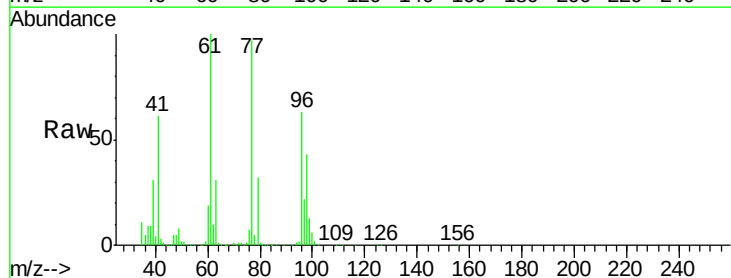
Acq: 20 Nov 2018 19:03

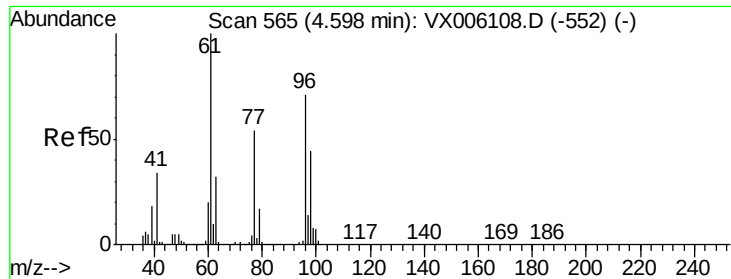
Tgt Ion: 77 Resp: 374165

Ion Ratio Lower Upper

77 100

97 23.7 11.9 35.5





#27

cis-1,2-Dichloroethene

Concen: 94.673 ug/l

RT: 4.59 min Scan# 564

Delta R.T. -0.01 min

Lab File: VX006109.D

Acq: 20 Nov 2018 19:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

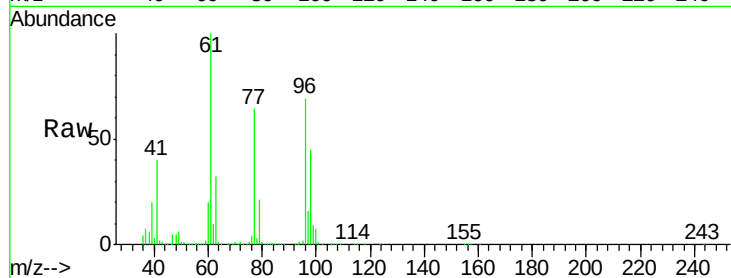
Tgt Ion: 96 Resp: 316433

Ion Ratio Lower Upper

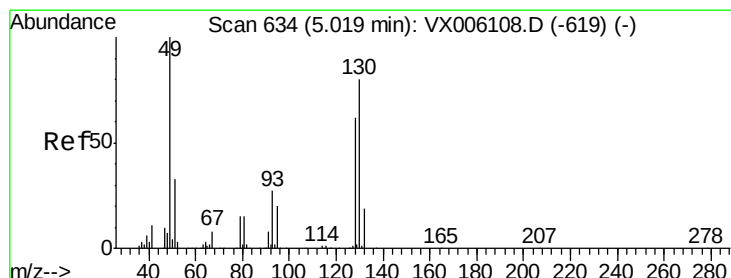
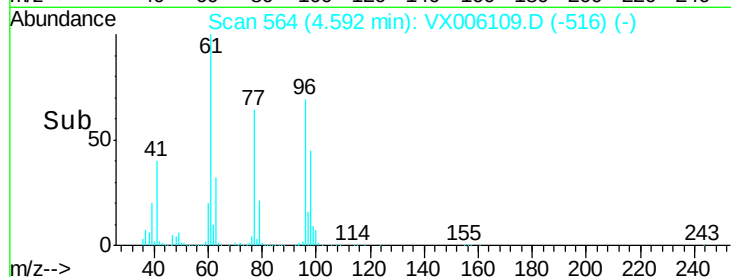
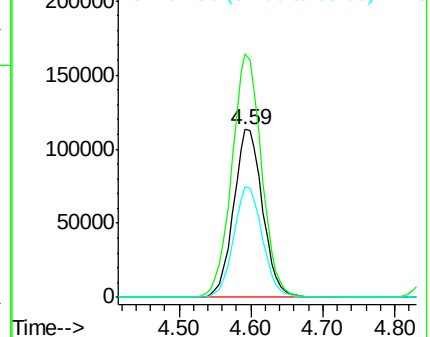
96 100

61 148.3 0.0 291.6

98 65.4 0.0 128.2



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



#28

Bromochloromethane

Concen: 93.586 ug/l

RT: 5.02 min Scan# 634

Delta R.T. 0.00 min

Lab File: VX006109.D

Acq: 20 Nov 2018 19:03

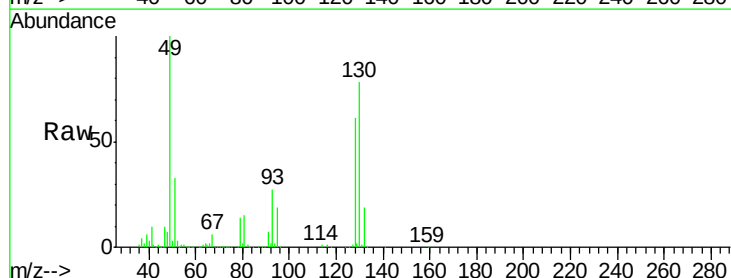
Tgt Ion: 49 Resp: 257236

Ion Ratio Lower Upper

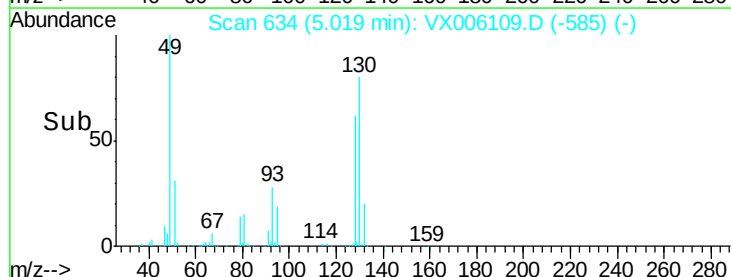
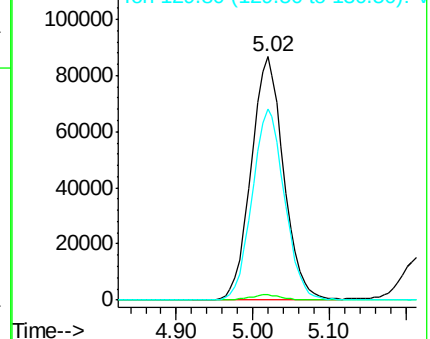
49 100

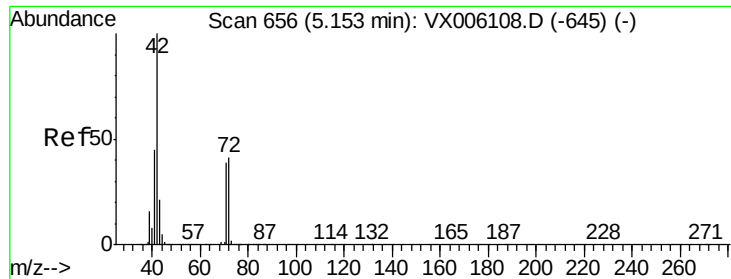
129 2.1 0.0 4.4

130 77.8 61.6 92.4



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: 509.476 ug/l

RT: 5.15 min Scan# 656

Delta R.T. 0.00 min

Lab File: VX006109.D

Acq: 20 Nov 2018 19:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

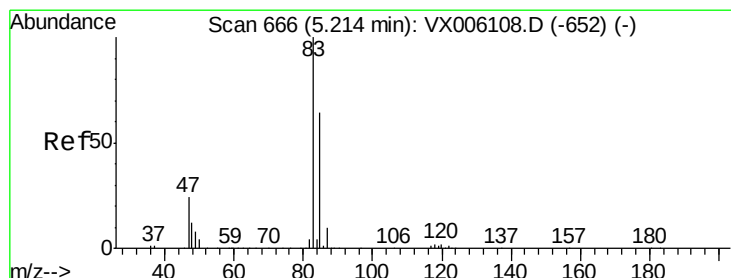
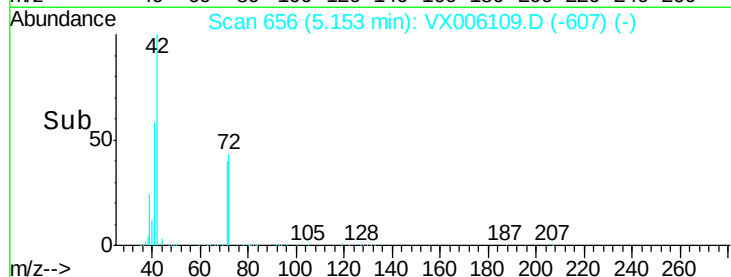
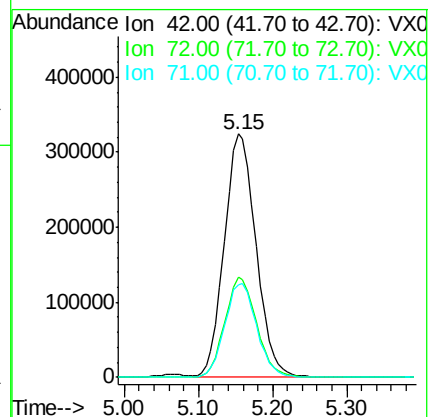
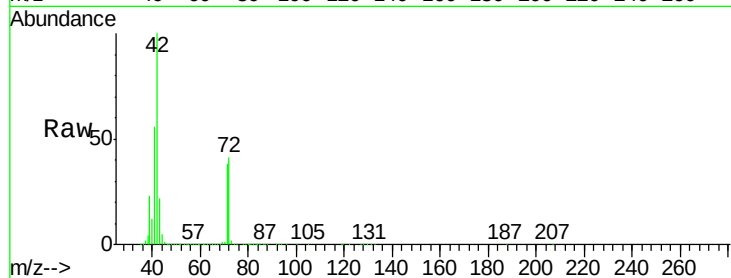
Tgt Ion: 42 Resp: 960155

Ion Ratio Lower Upper

42 100

72 41.1 33.0 49.6

71 39.0 31.0 46.4



#30

Chloroform

Concen: 92.884 ug/l

RT: 5.21 min Scan# 666

Delta R.T. 0.00 min

Lab File: VX006109.D

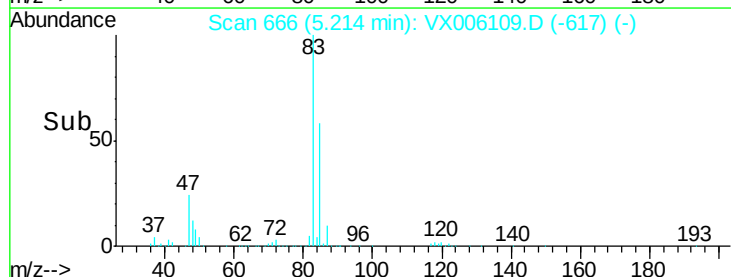
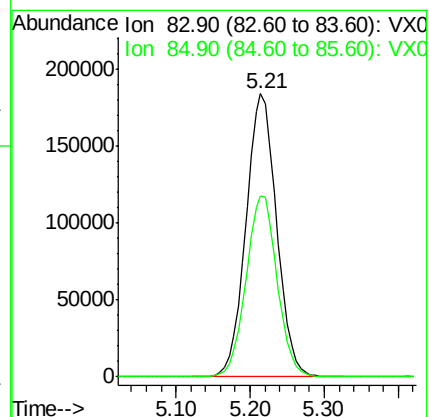
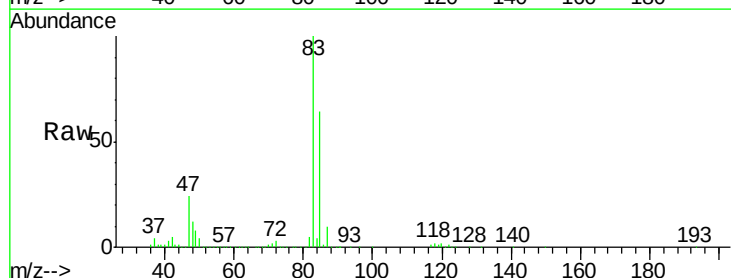
Acq: 20 Nov 2018 19:03

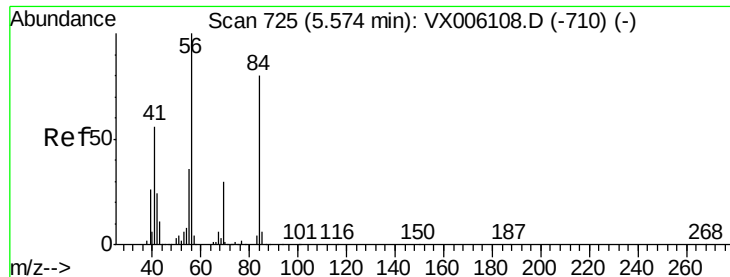
Tgt Ion: 83 Resp: 530834

Ion Ratio Lower Upper

83 100

85 63.9 51.0 76.4

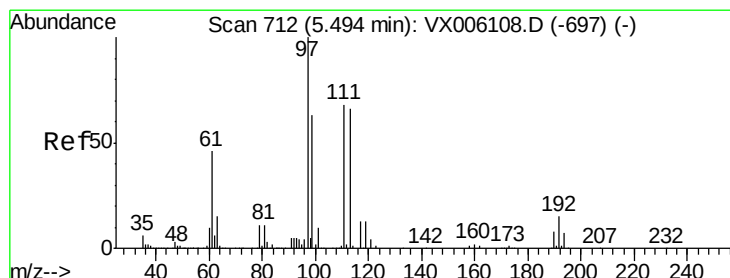
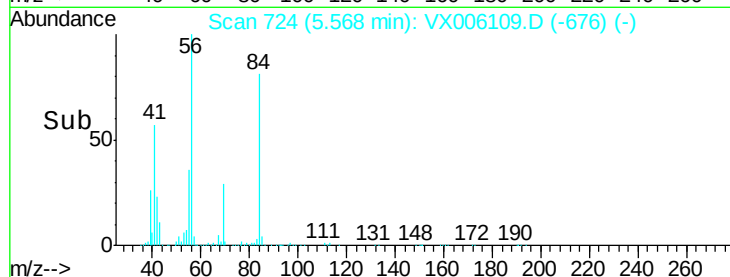
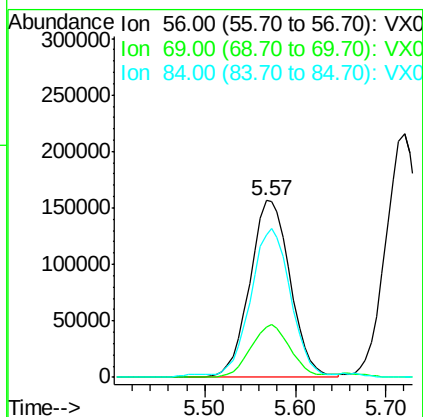
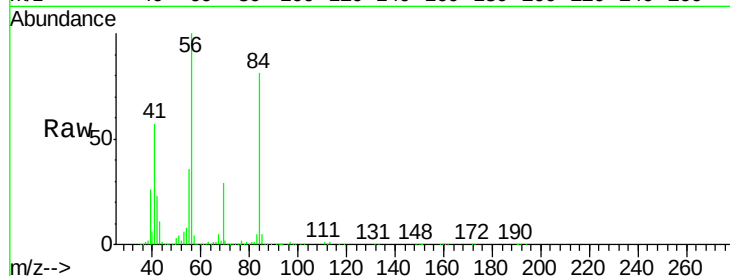




#31
Cyclohexane
Concen: 97.889 ug/l
RT: 5.57 min Scan# 724
Delta R.T. -0.01 min
Lab File: VX006109.D
Acq: 20 Nov 2018 19:03

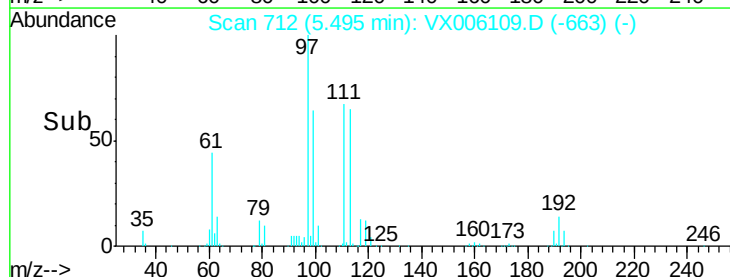
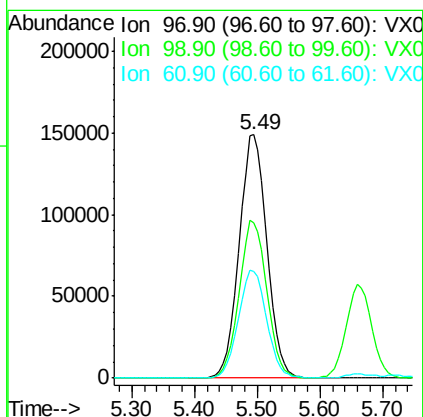
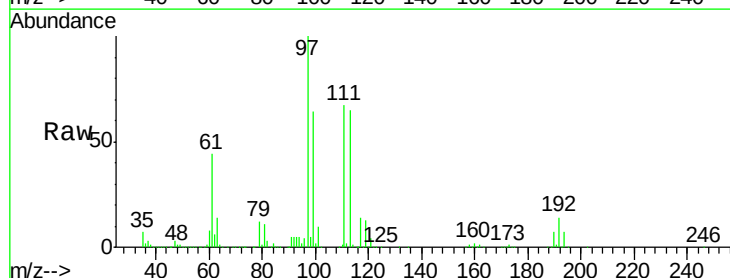
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

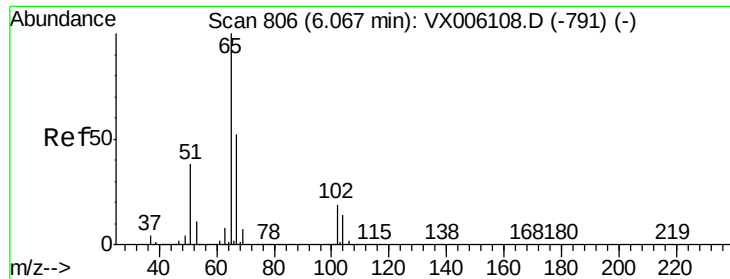
Tgt Ion: 56 Resp: 482219
Ion Ratio Lower Upper
56 100
69 28.8 23.9 35.9
84 79.6 63.6 95.4



#32
1,1,1-Trichloroethane
Concen: 98.900 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.00 min
Lab File: VX006109.D
Acq: 20 Nov 2018 19:03

Tgt Ion: 97 Resp: 456388
Ion Ratio Lower Upper
97 100
99 64.6 51.6 77.4
61 45.2 36.6 55.0

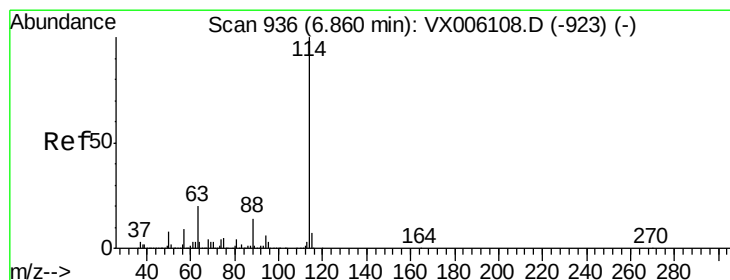
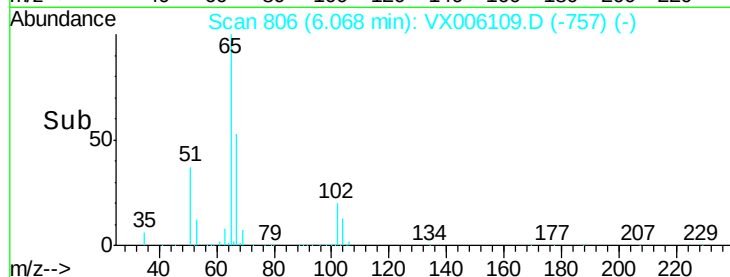
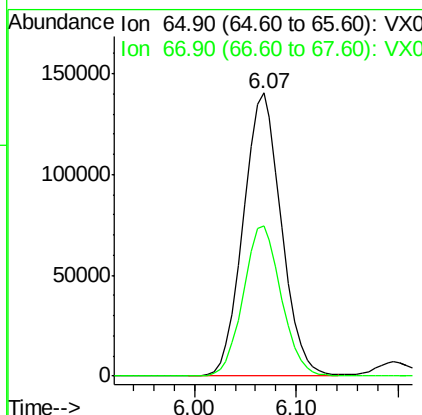
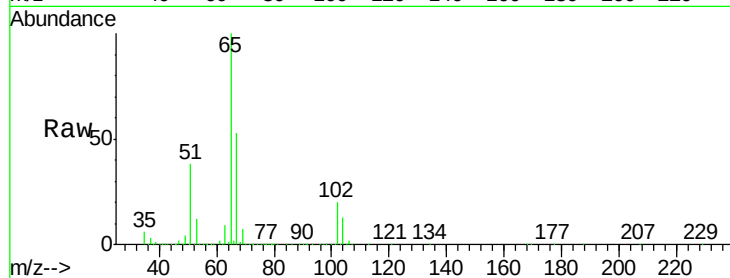




#33
 1,2-Dichloroethane-d4
 Concen: 99.291 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX006109.D
 Acq: 20 Nov 2018 19:03

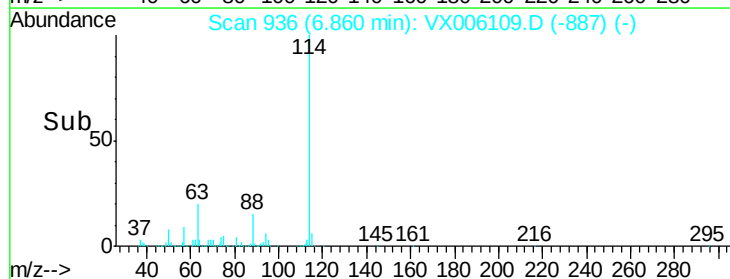
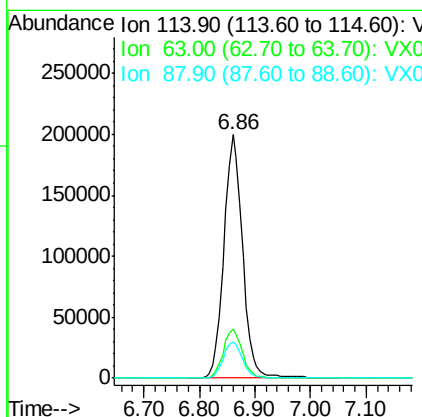
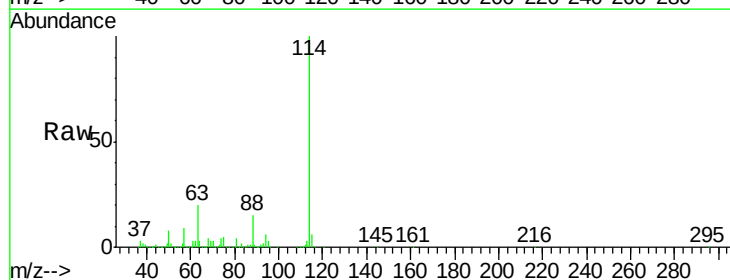
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

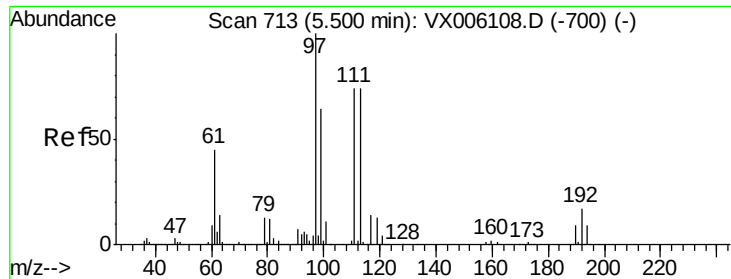
Tgt Ion: 65 Resp: 364186
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 105.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX006109.D
 Acq: 20 Nov 2018 19:03

Tgt Ion: 114 Resp: 463877
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 39.2
 88 14.7 0.0 28.6





#35

Dibromofluoromethane

Concen: 100.106 ug/l

RT: 5.50 min Scan# 713

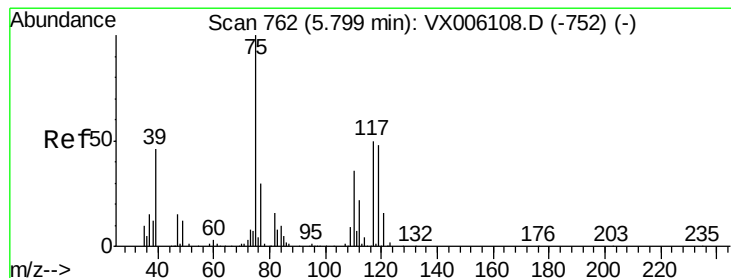
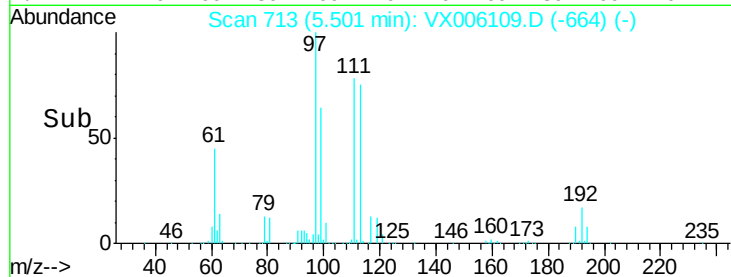
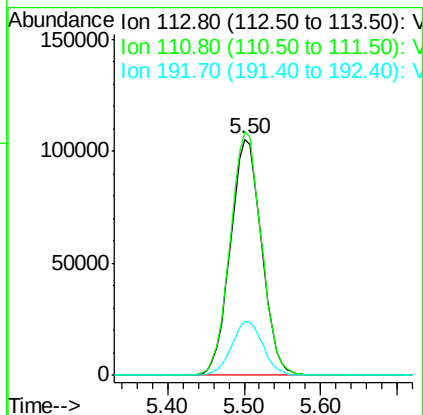
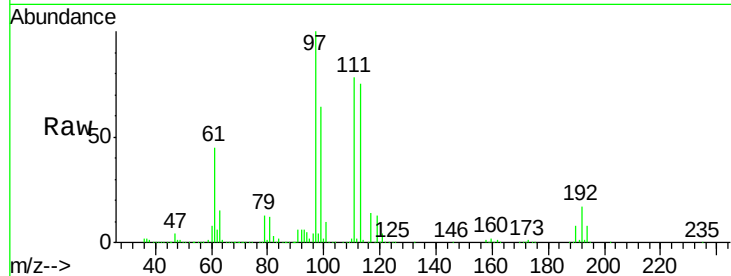
Delta R.T. 0.00 min

Lab File: VX006109.D

Acq: 20 Nov 2018 19:03

Instrument :
MSVOA_X
ClientSampled :
VSTDICC100

Tgt Ion:	113	Resp:	298086
Ion	Ratio	Lower	Upper
113	100		
111	102.8	81.5	122.3
192	22.9	18.6	28.0



#36

1,1-Dichloropropene

Concen: 96.379 ug/l

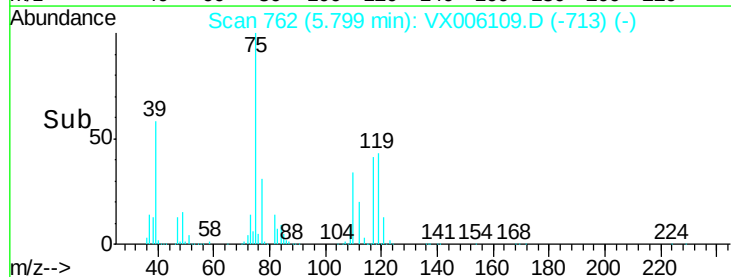
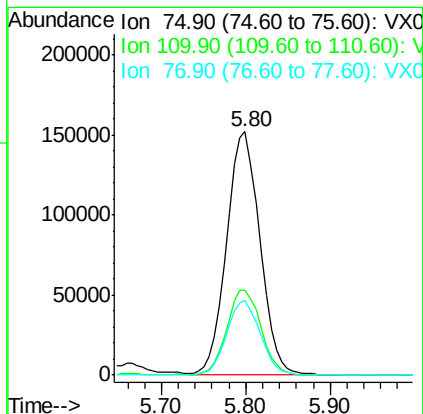
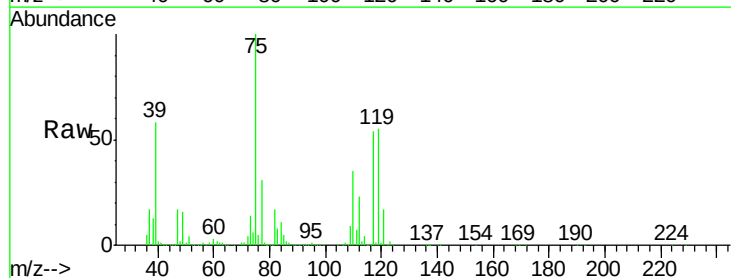
RT: 5.80 min Scan# 762

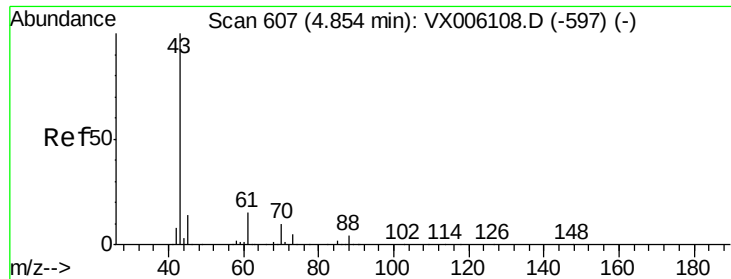
Delta R.T. 0.00 min

Lab File: VX006109.D

Acq: 20 Nov 2018 19:03

Tgt Ion:	75	Resp:	406731
Ion	Ratio	Lower	Upper
75	100		
110	36.0	17.8	53.3
77	30.7	24.5	36.7





#37

Ethyl Acetate

Concen: 98.182 ug/l

RT: 4.86 min Scan# 608

Delta R.T. 0.01 min

Lab File: VX006109.D

Acq: 20 Nov 2018 19:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

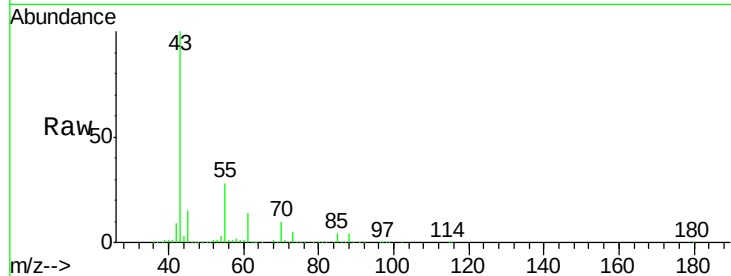
Tgt Ion: 43 Resp: 533080

Ion Ratio Lower Upper

43 100

61 13.4 10.5 15.7

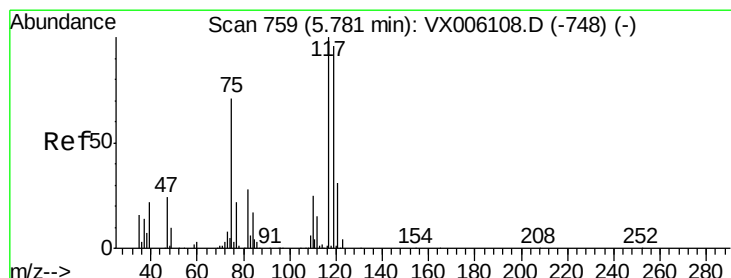
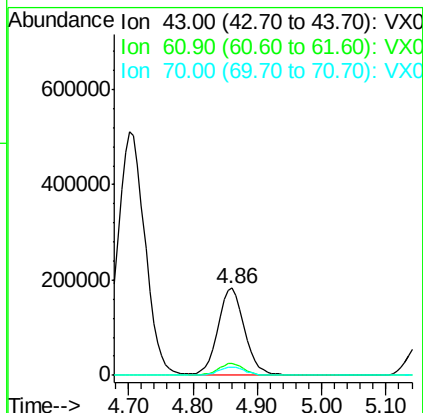
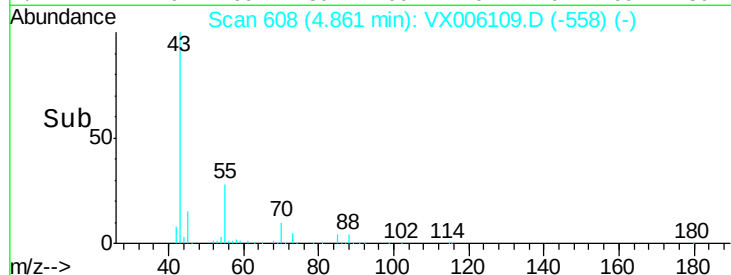
70 9.8 7.9 11.9



Abundance Ion 43.00 (42.70 to 43.70): VX006109.D (-558) (-)

Ion 60.90 (60.60 to 61.60): VX006109.D (-558) (-)

Ion 70.00 (69.70 to 70.70): VX006109.D (-558) (-)



#38

Carbon Tetrachloride

Concen: 100.050 ug/l

RT: 5.78 min Scan# 759

Delta R.T. 0.00 min

Lab File: VX006109.D

Acq: 20 Nov 2018 19:03

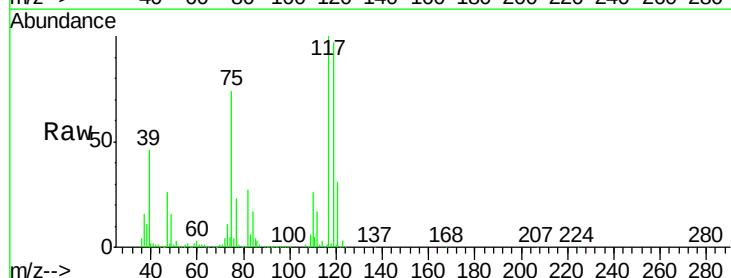
Tgt Ion: 117 Resp: 396860

Ion Ratio Lower Upper

117 100

119 96.7 76.3 114.5

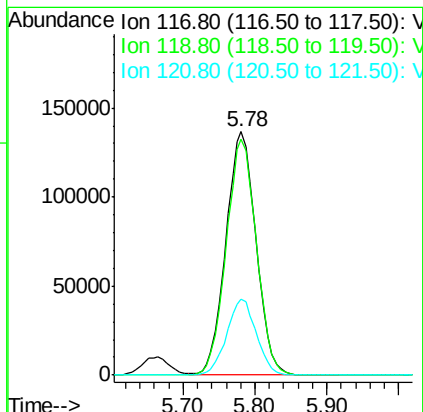
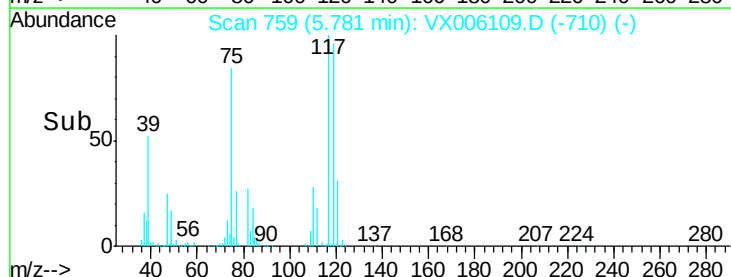
121 31.1 24.7 37.1

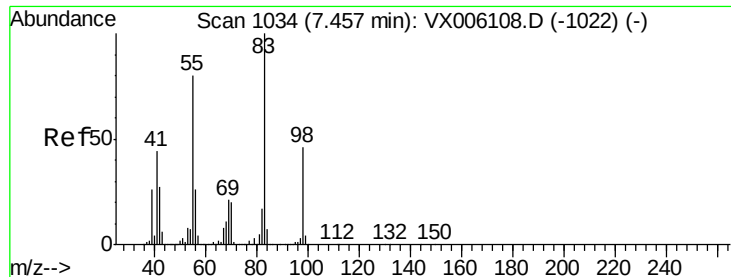


Abundance Ion 116.80 (116.50 to 117.50): VX006109.D (-710) (-)

Ion 118.80 (118.50 to 119.50): VX006109.D (-710) (-)

Ion 120.80 (120.50 to 121.50): VX006109.D (-710) (-)

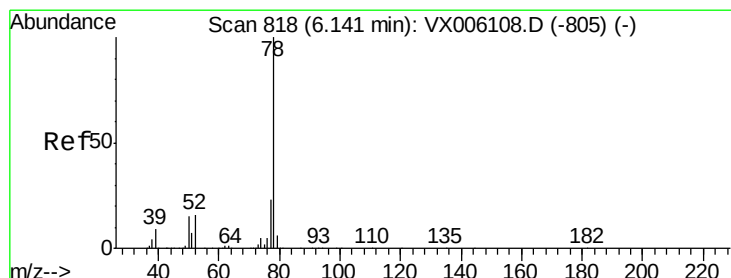
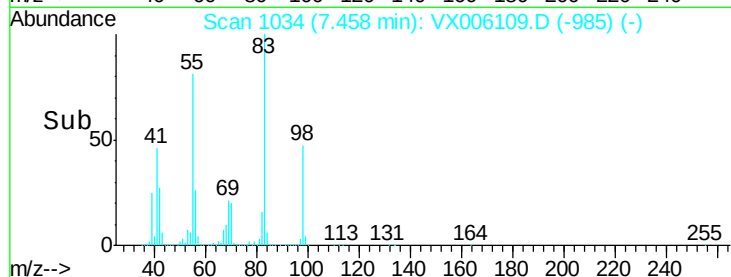
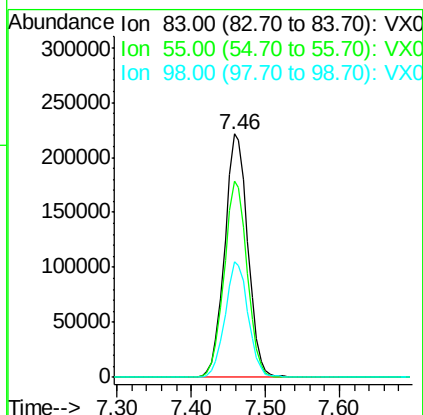
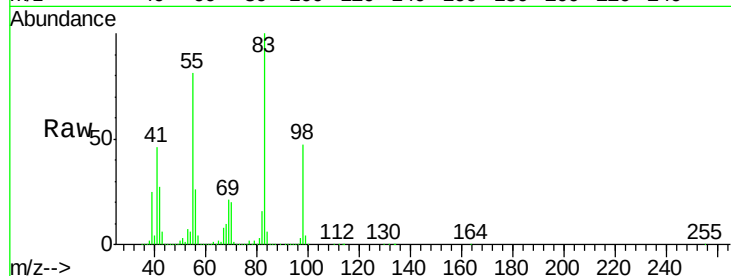




#39
Methylcyclohexane
Concen: 100.098 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. 0.00 min
Lab File: VX006109.D
Acq: 20 Nov 2018 19:03

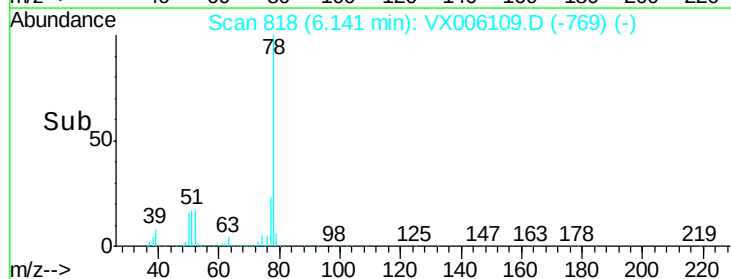
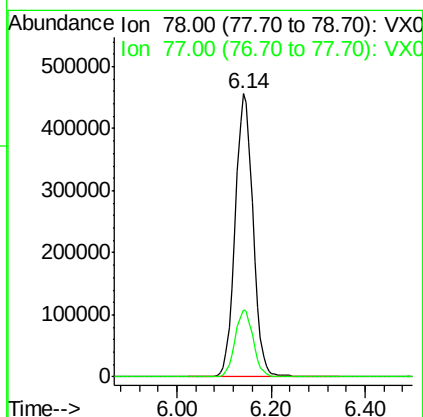
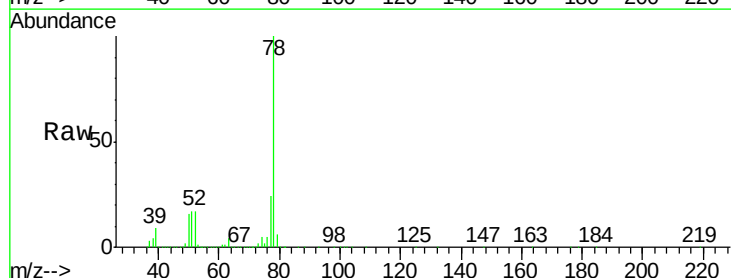
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

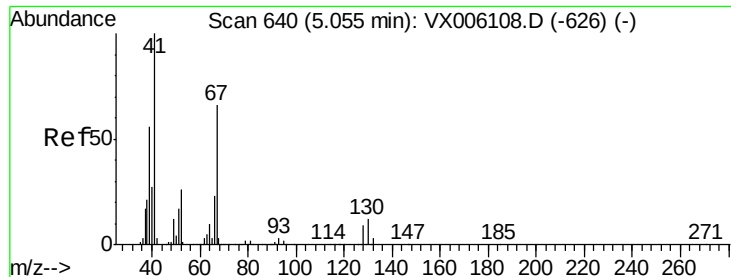
Tgt Ion: 83 Resp: 481251
Ion Ratio Lower Upper
83 100
55 80.5 63.9 95.9
98 47.5 36.8 55.2



#40
Benzene
Concen: 96.495 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX006109.D
Acq: 20 Nov 2018 19:03

Tgt Ion: 78 Resp: 1199755
Ion Ratio Lower Upper
78 100
77 23.7 18.8 28.2





#41

Methacrylonitrile

Concen: 98.705 ug/l

RT: 5.06 min Scan# 641

Delta R.T. 0.01 min

Lab File: VX006109.D

Acq: 20 Nov 2018 19:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tgt Ion: 41 Resp: 295338

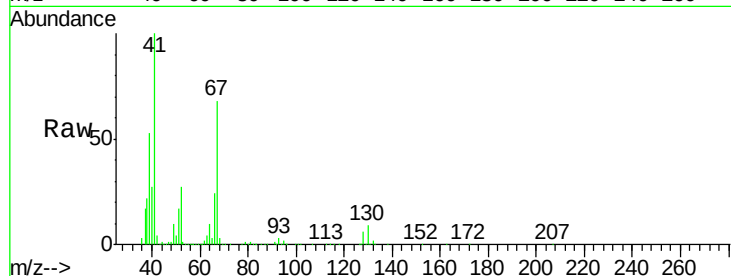
Ion Ratio Lower Upper

41 100

39 54.1 44.1 66.1

67 67.6 54.1 81.1

52 27.4 21.7 32.5

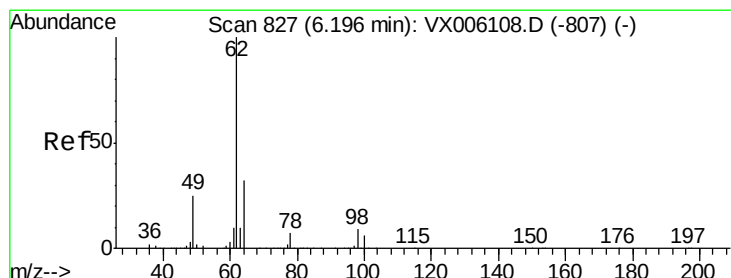
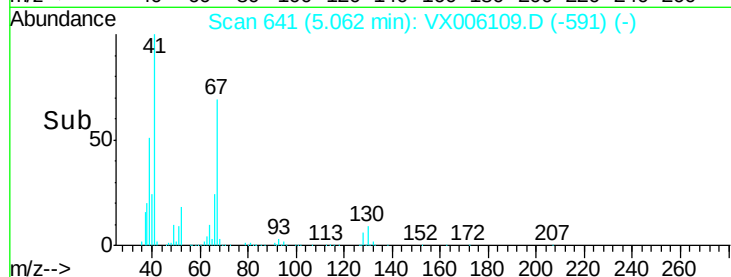
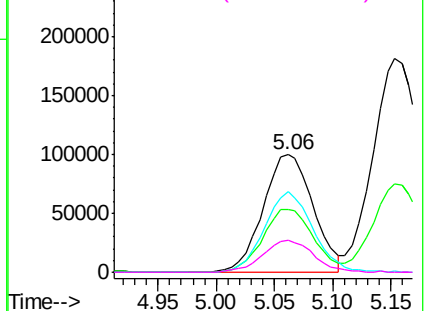


Abundance Ion 41.00 (40.70 to 41.70): VX0

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: 94.051 ug/l

RT: 6.20 min Scan# 827

Delta R.T. 0.00 min

Lab File: VX006109.D

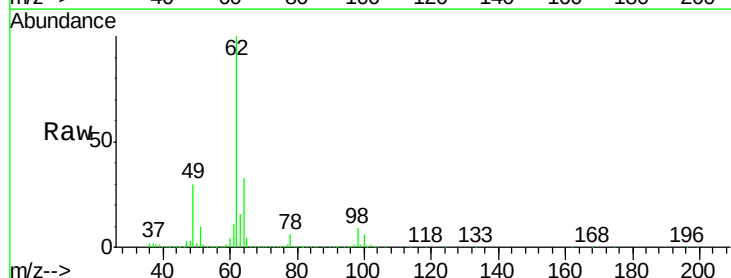
Acq: 20 Nov 2018 19:03

Tgt Ion: 62 Resp: 437183

Ion Ratio Lower Upper

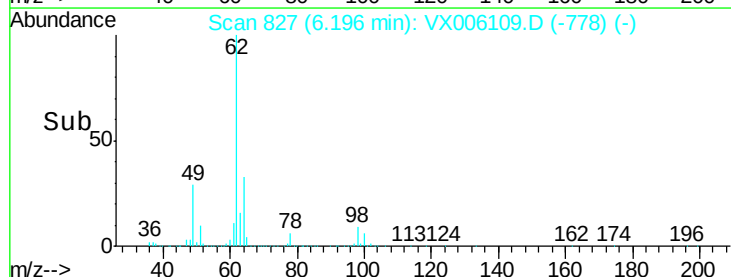
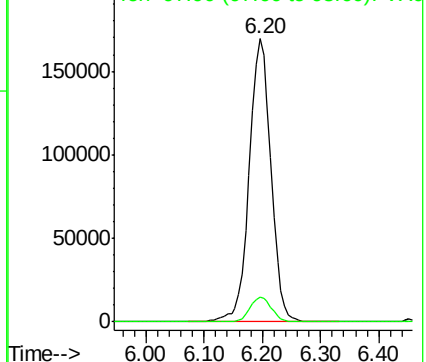
62 100

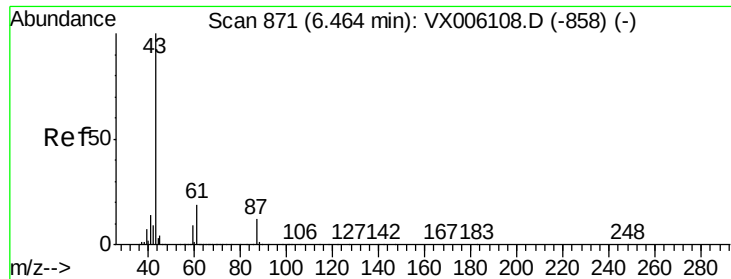
98 8.8 0.0 17.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 103.947 ug/l

RT: 6.46 min Scan# 871

Delta R.T. 0.00 min

Lab File: VX006109.D

Acq: 20 Nov 2018 19:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

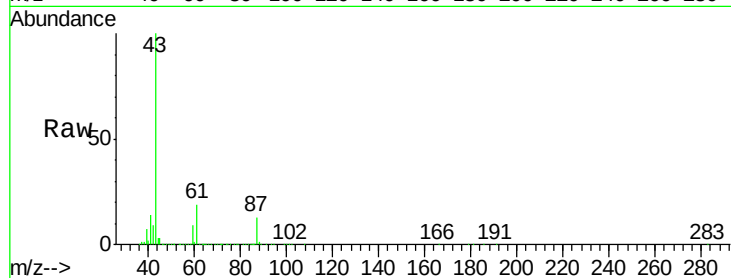
Tgt Ion: 43 Resp: 815054

Ion Ratio Lower Upper

43 100

61 19.0 15.2 22.8

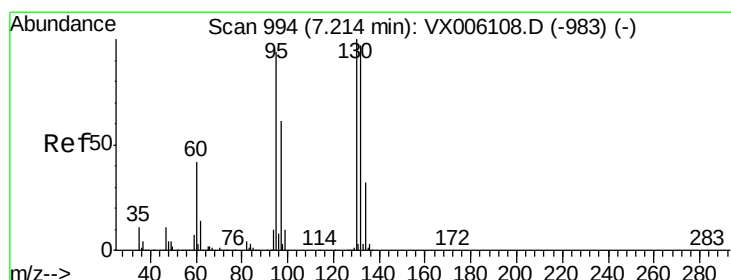
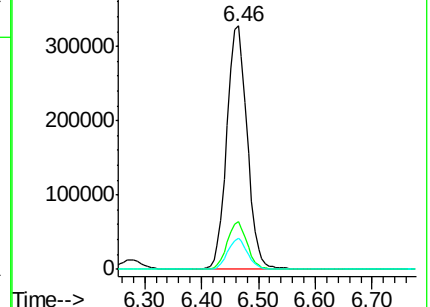
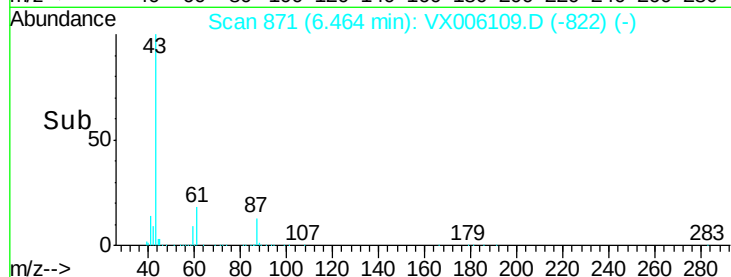
87 12.4 9.6 14.4



Abundance Ion 43.00 (42.70 to 43.70): VX006109.D (-822) (-)

Ion 61.00 (60.70 to 61.70): VX006109.D (-822) (-)

Ion 87.00 (86.70 to 87.70): VX006109.D (-822) (-)



#44

Trichloroethene

Concen: 96.794 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX006109.D

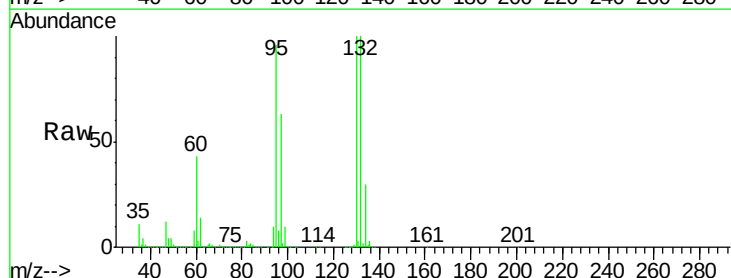
Acq: 20 Nov 2018 19:03

Tgt Ion: 130 Resp: 334486

Ion Ratio Lower Upper

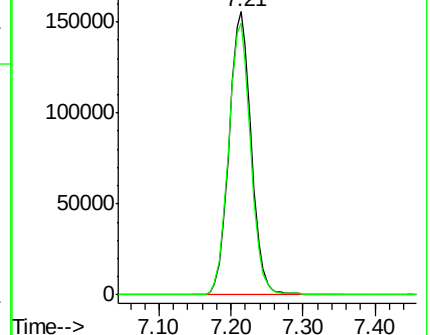
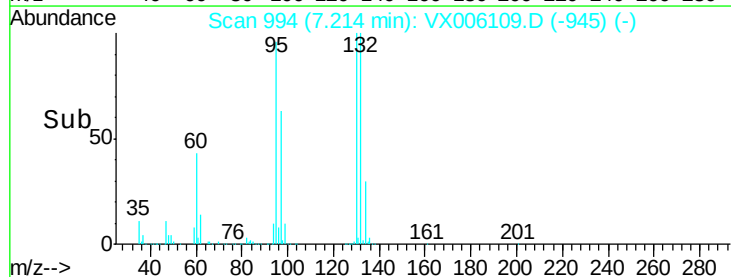
130 100

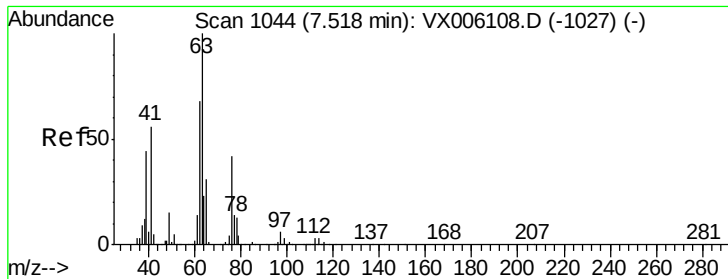
95 96.1 0.0 188.8



Abundance Ion 129.80 (129.50 to 130.50): VX006109.D (-945) (-)

Ion 94.90 (94.60 to 95.60): VX006109.D (-945) (-)

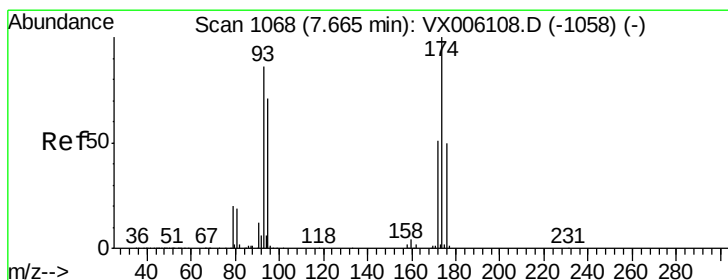
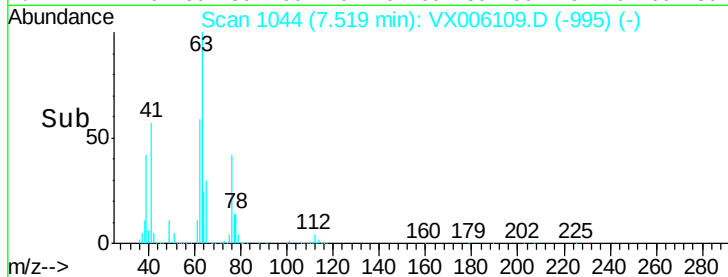
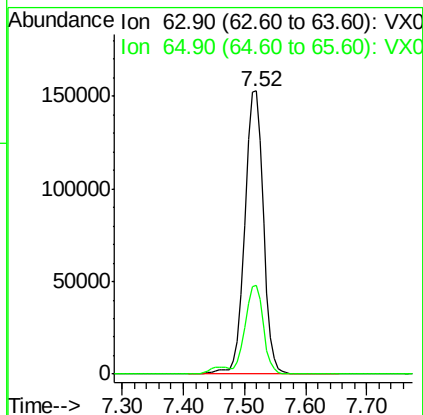
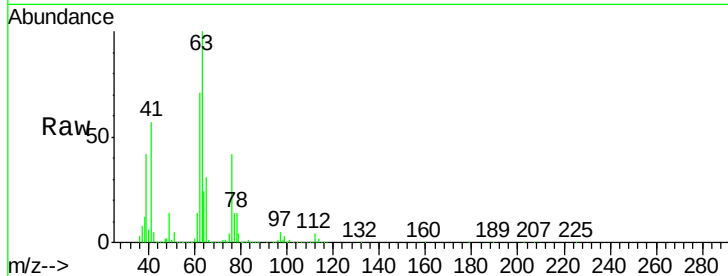




#45
 1,2-Dichloropropane
 Concen: 97.690 ug/l
 RT: 7.52 min Scan# 1044
 Delta R.T. 0.00 min
 Lab File: VX006109.D
 Acq: 20 Nov 2018 19:03

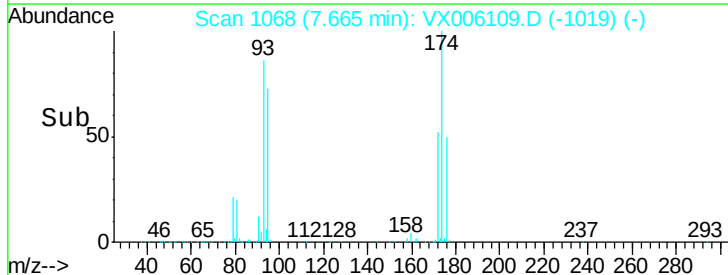
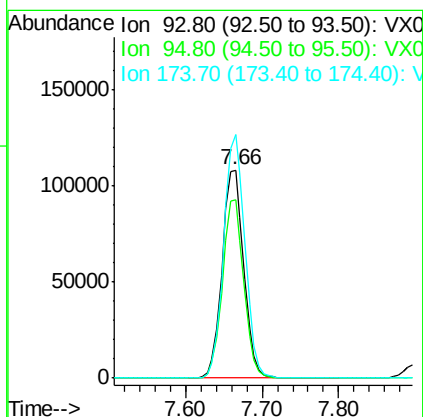
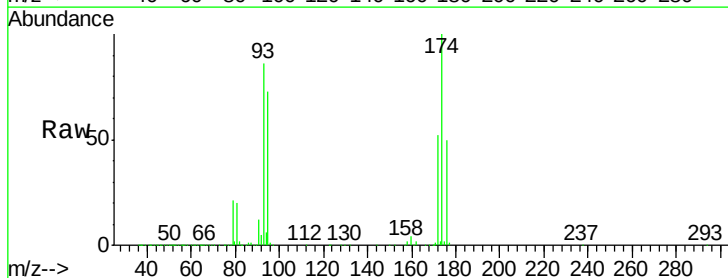
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

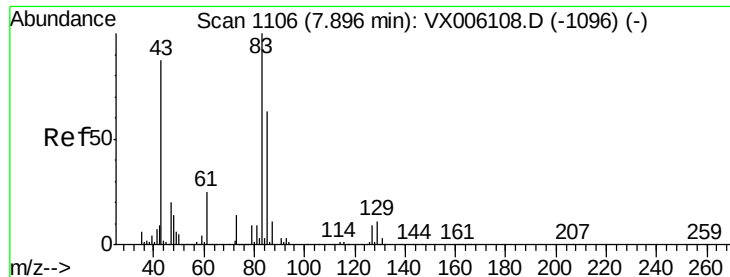
Tgt Ion: 63 Resp: 321444
 Ion Ratio Lower Upper
 63 100
 65 31.4 24.8 37.2



#46
 Dibromomethane
 Concen: 93.876 ug/l
 RT: 7.66 min Scan# 1068
 Delta R.T. 0.00 min
 Lab File: VX006109.D
 Acq: 20 Nov 2018 19:03

Tgt Ion: 93 Resp: 211540
 Ion Ratio Lower Upper
 93 100
 95 84.2 66.3 99.5
 174 114.8 91.0 136.6

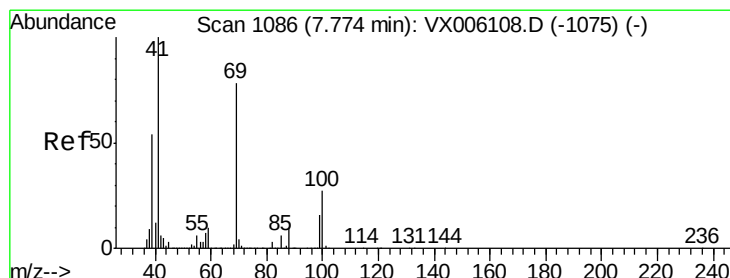
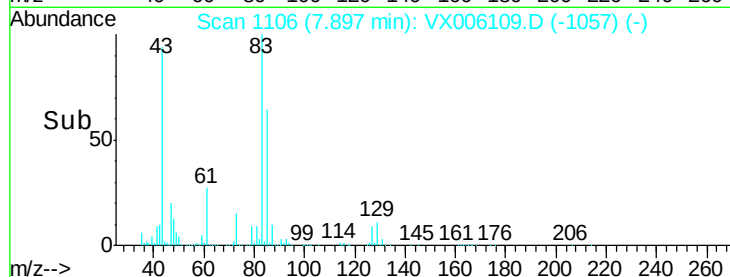
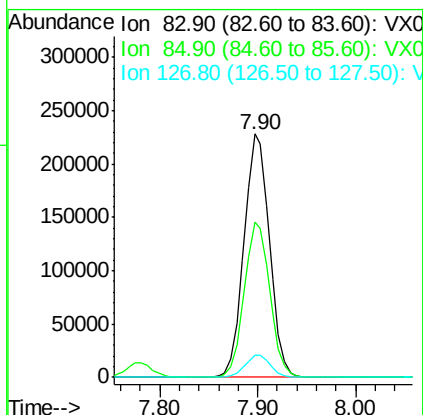
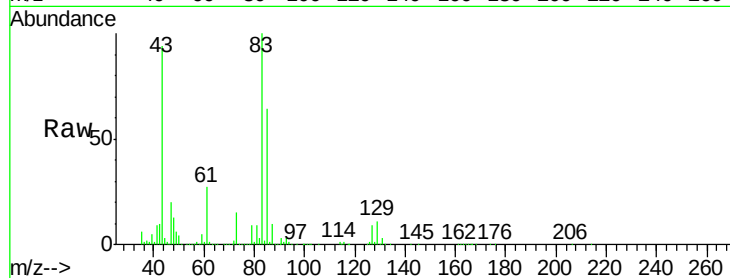




#47
 Bromodichloromethane
 Concen: 98.727 ug/l
 RT: 7.90 min Scan# 1106
 Delta R.T. 0.00 min
 Lab File: VX006109.D
 Acq: 20 Nov 2018 19:03

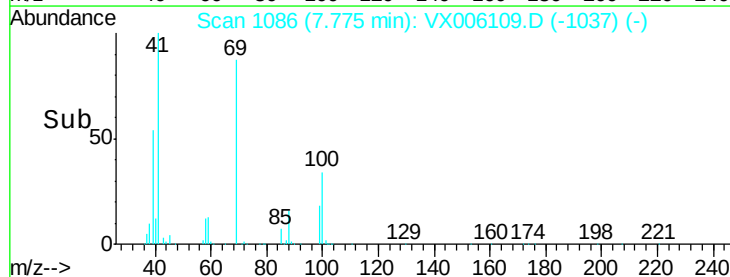
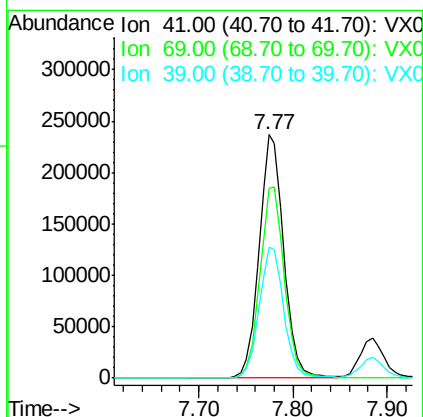
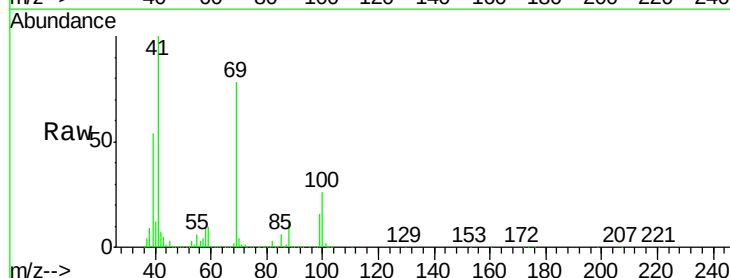
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

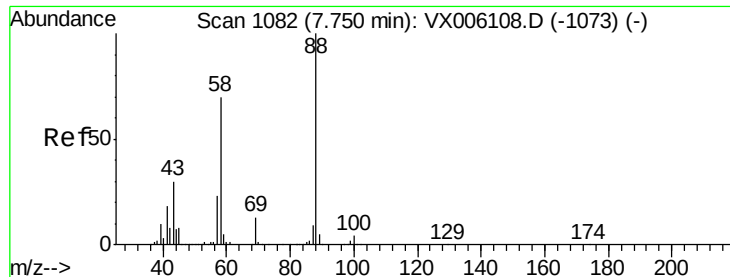
Tgt Ion: 83 Resp: 411465
 Ion Ratio Lower Upper
 83 100
 85 64.0 50.4 75.6
 127 8.9 7.0 10.4



#48
 Methyl methacrylate
 Concen: 109.015 ug/l
 RT: 7.77 min Scan# 1086
 Delta R.T. 0.00 min
 Lab File: VX006109.D
 Acq: 20 Nov 2018 19:03

Tgt Ion: 41 Resp: 433518
 Ion Ratio Lower Upper
 41 100
 69 78.9 62.8 94.2
 39 54.0 43.8 65.6

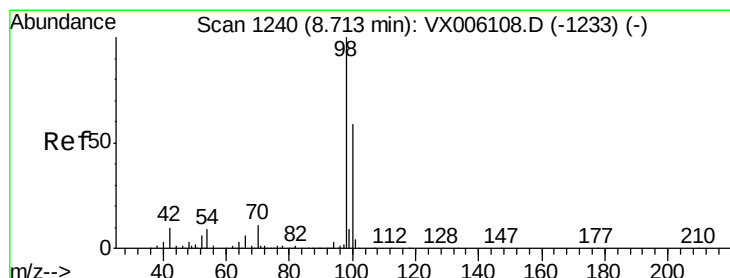
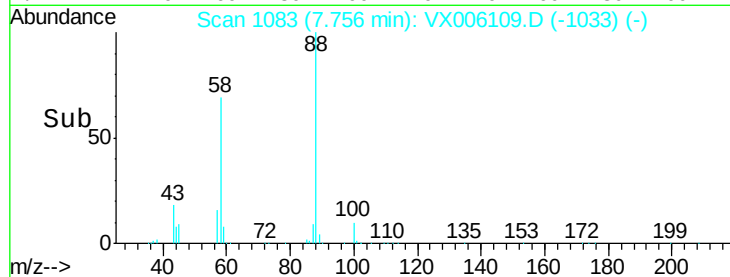
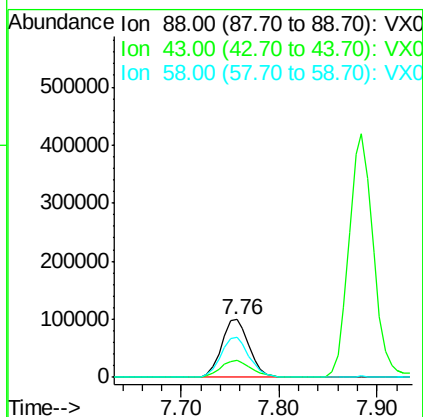
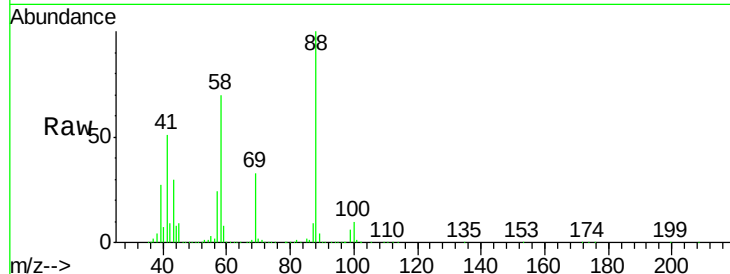




#49
1,4-Dioxane
Concen: 2040.326 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. 0.01 min
Lab File: VX006109.D
Acq: 20 Nov 2018 19:03

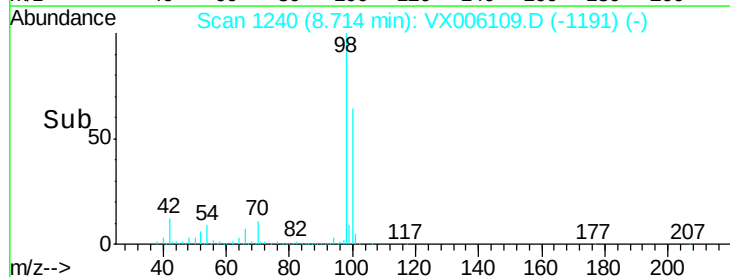
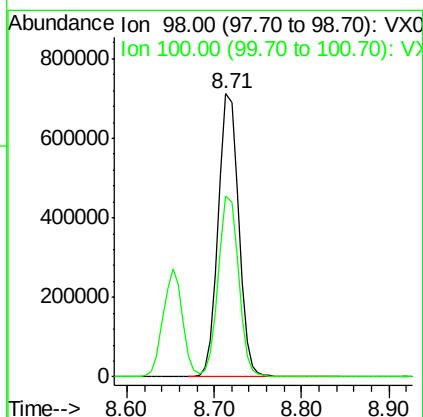
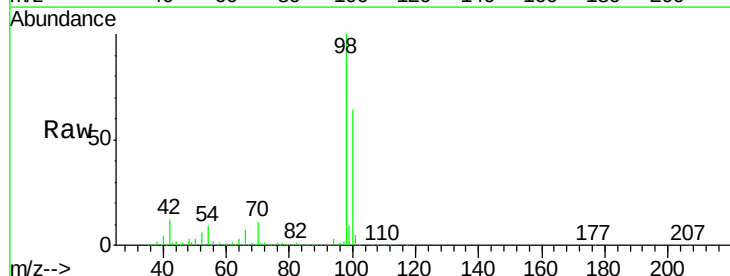
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

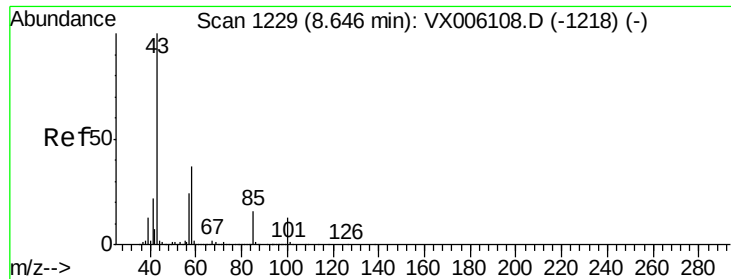
Tgt Ion: 88 Resp: 192496
Ion Ratio Lower Upper
88 100
43 32.5 26.7 40.1
58 71.4 58.5 87.7



#50
Toluene-d8
Concen: 101.382 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX006109.D
Acq: 20 Nov 2018 19:03

Tgt Ion: 98 Resp: 1151451
Ion Ratio Lower Upper
98 100
100 63.8 51.0 76.4

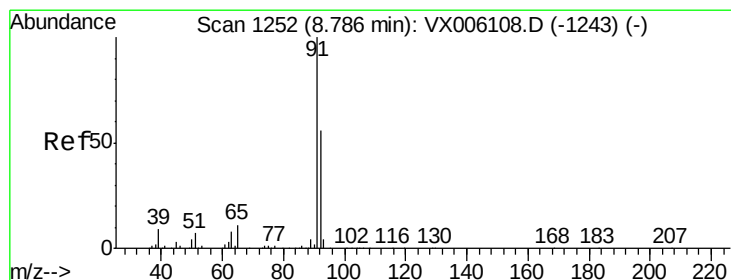
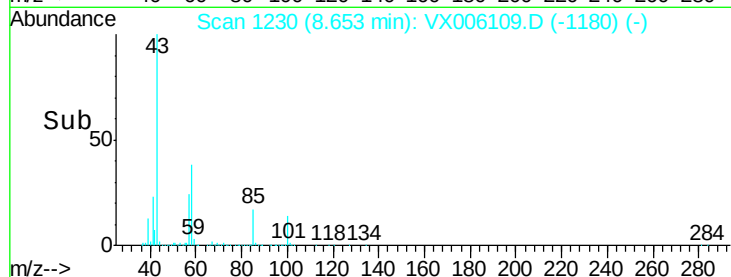
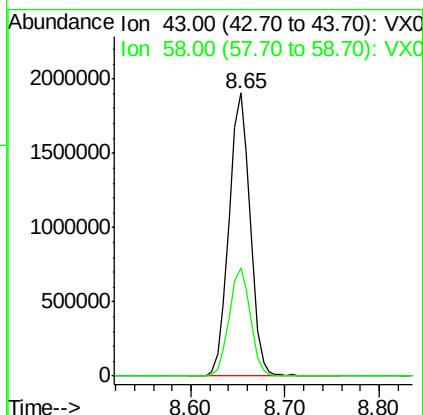
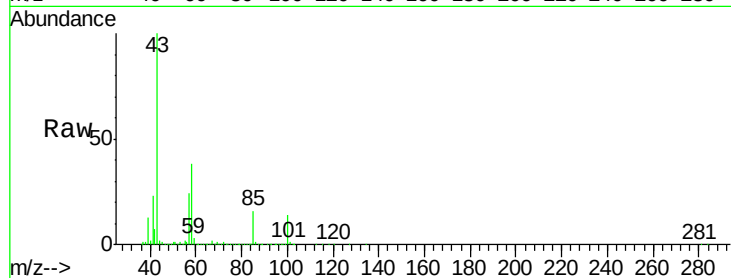




#51
 4-Methyl-2-Pentanone
 Concen: 529.352 ug/l
 RT: 8.65 min Scan# 1230
 Delta R.T. 0.01 min
 Lab File: VX006109.D
 Acq: 20 Nov 2018 19:03

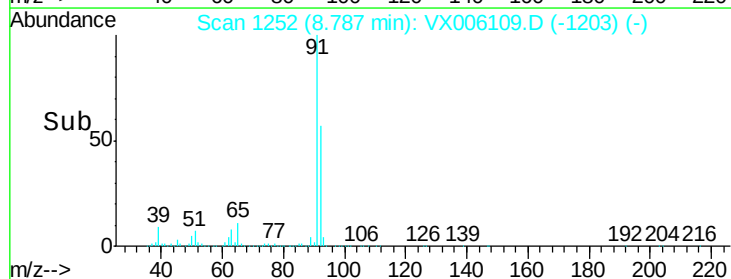
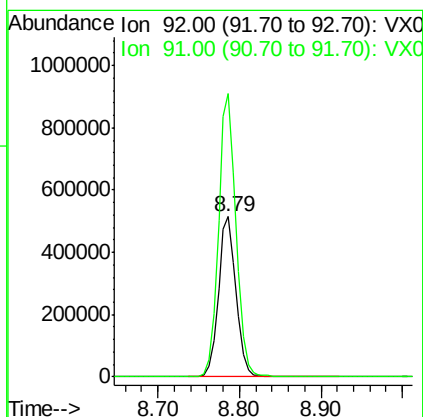
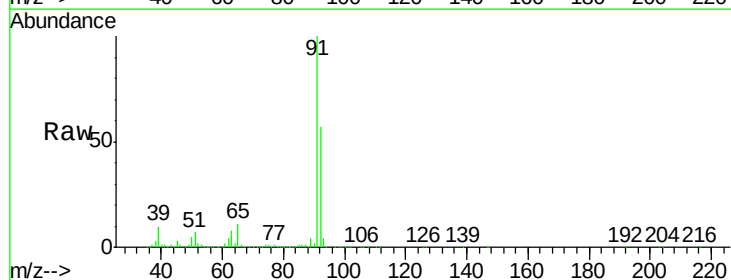
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

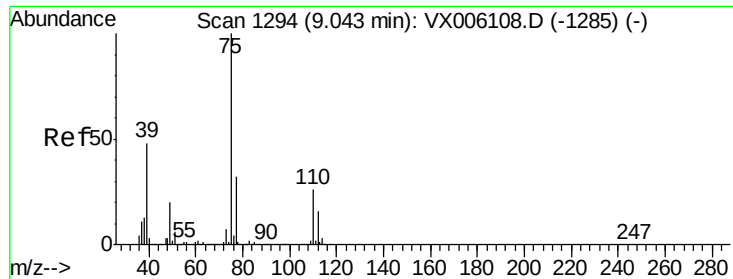
Tgt Ion: 43 Resp: 2975611
 Ion Ratio Lower Upper
 43 100
 58 38.0 29.9 44.9



#52
 Toluene
 Concen: 100.435 ug/l
 RT: 8.79 min Scan# 1252
 Delta R.T. 0.00 min
 Lab File: VX006109.D
 Acq: 20 Nov 2018 19:03

Tgt Ion: 92 Resp: 772382
 Ion Ratio Lower Upper
 92 100
 91 176.6 142.5 213.7





#53

t-1,3-Dichloropropene

Concen: 106.748 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX006109.D

Acq: 20 Nov 2018 19:03

Instrument :

MSVOA_X

ClientSampleId :

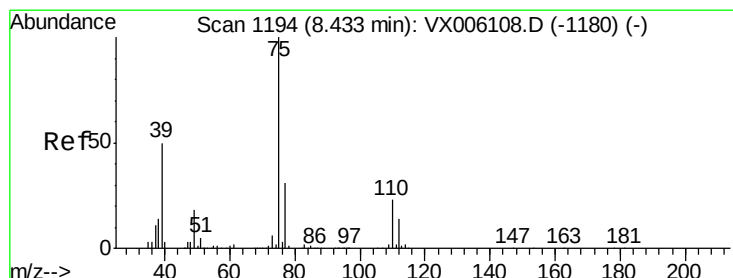
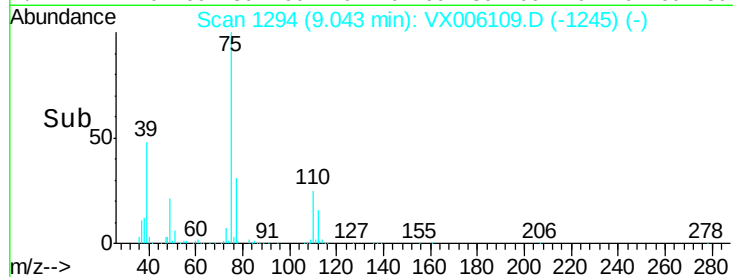
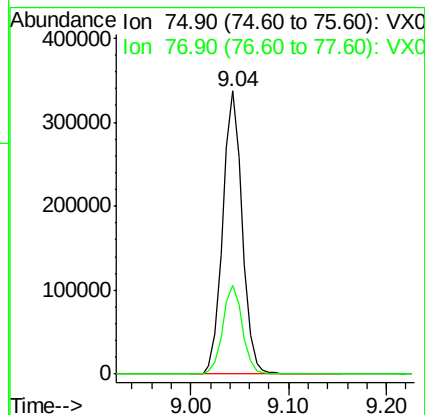
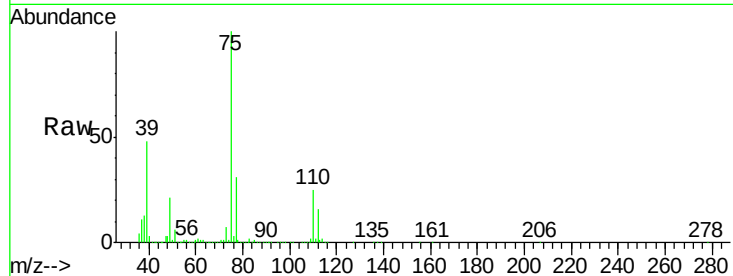
VSTDICC100

Tgt Ion: 75 Resp: 464261

Ion Ratio Lower Upper

75 100

77 31.4 25.7 38.5



#54

cis-1,3-Dichloropropene

Concen: 103.850 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. 0.00 min

Lab File: VX006109.D

Acq: 20 Nov 2018 19:03

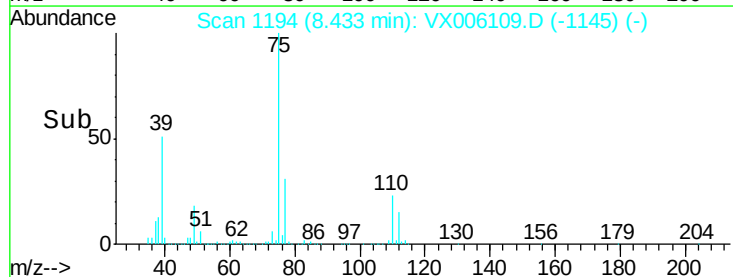
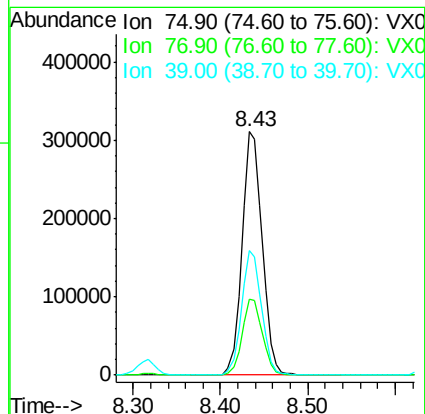
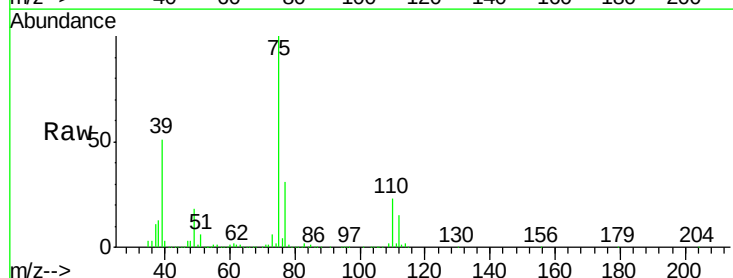
Tgt Ion: 75 Resp: 499296

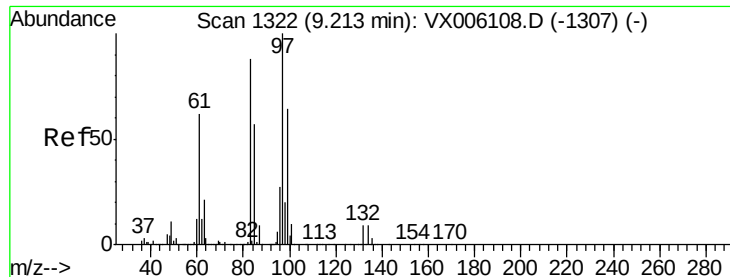
Ion Ratio Lower Upper

75 100

77 31.2 24.7 37.1

39 51.3 40.3 60.5





#55

1,1,2-Trichloroethane

Concen: 96.259 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VX006109.D

Acq: 20 Nov 2018 19:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion: 97 Resp: 320597

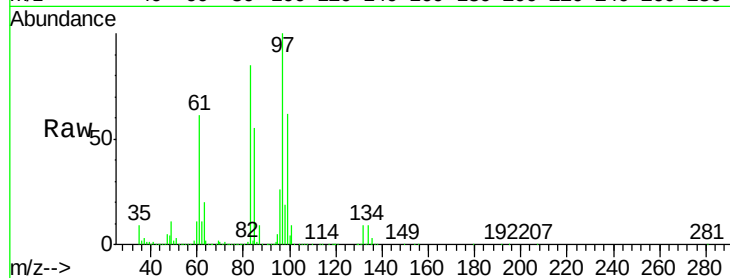
Ion Ratio Lower Upper

97 100

83 85.5 70.7 106.1

85 54.7 45.7 68.5

99 61.8 51.4 77.2

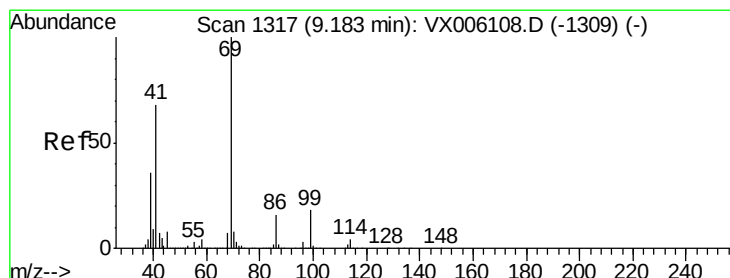
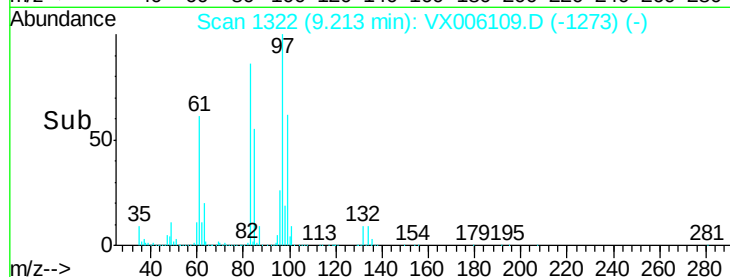
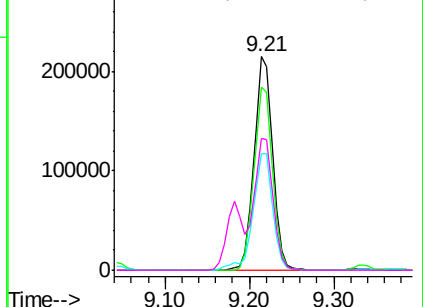


Abundance Ion 96.90 (96.60 to 97.60): VX0

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: 112.181 ug/l

RT: 9.18 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VX006109.D

Acq: 20 Nov 2018 19:03

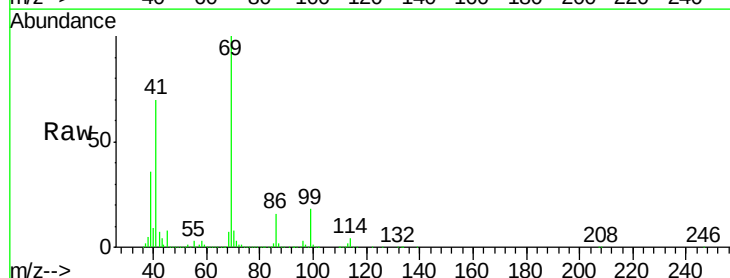
Tgt Ion: 69 Resp: 513005

Ion Ratio Lower Upper

69 100

41 71.7 56.2 84.4

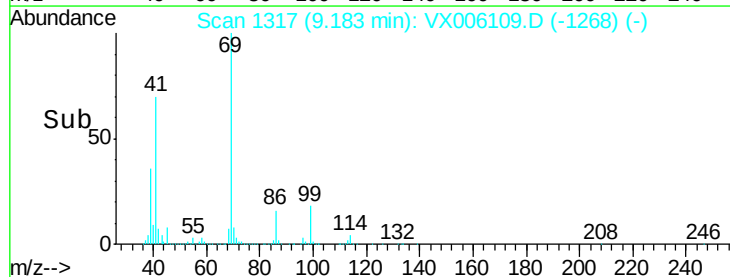
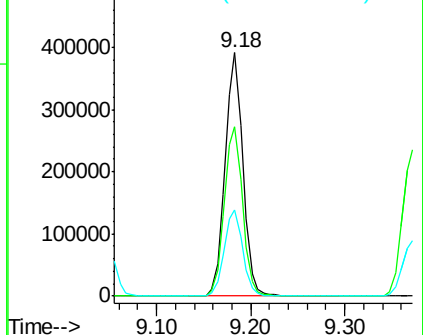
39 36.5 29.4 44.0

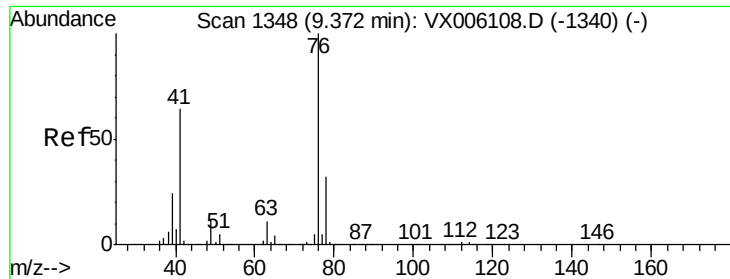


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

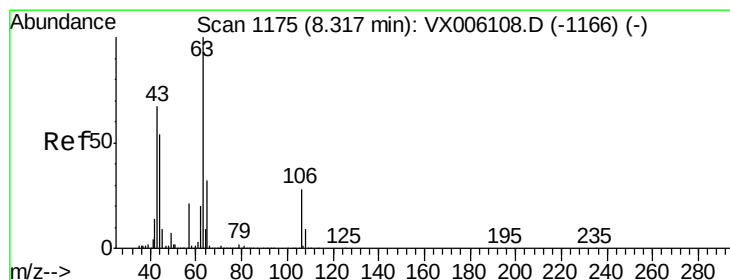
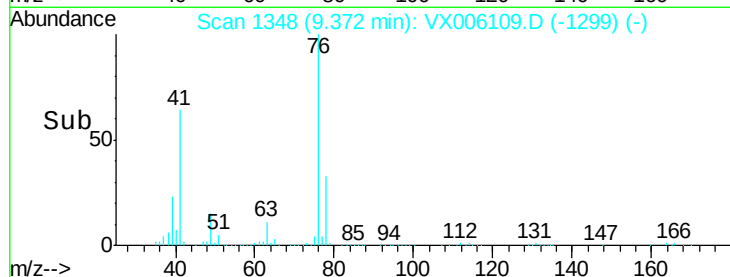
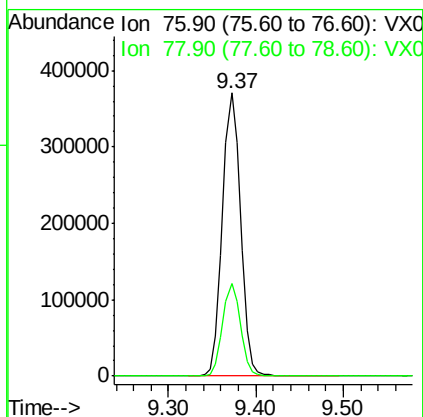
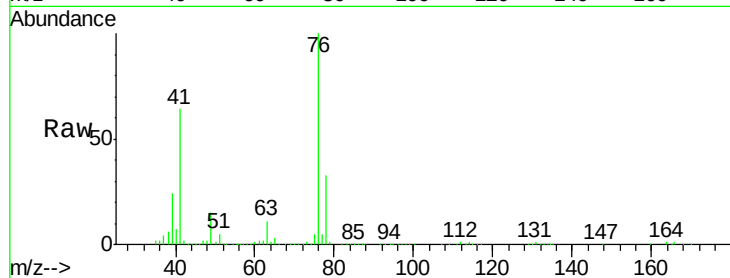




#57
 1,3-Dichloropropane
 Concen: 97.151 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VX006109.D
 Acq: 20 Nov 2018 19:03

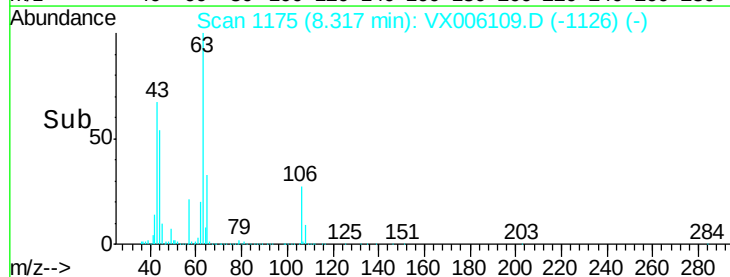
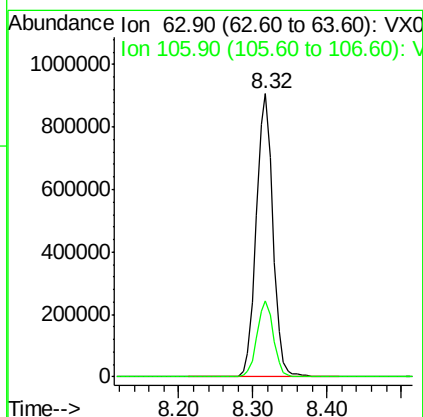
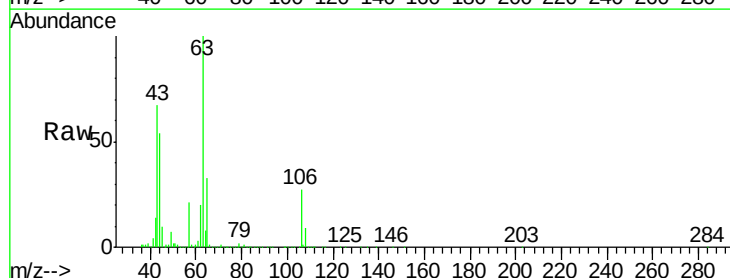
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

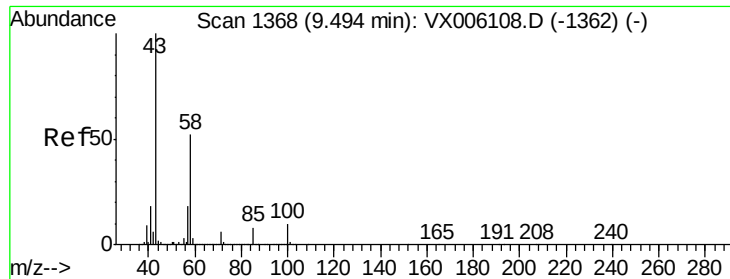
Tgt Ion: 76 Resp: 533343
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 541.360 ug/l
 RT: 8.32 min Scan# 1175
 Delta R.T. 0.00 min
 Lab File: VX006109.D
 Acq: 20 Nov 2018 19:03

Tgt Ion: 63 Resp: 1422830
 Ion Ratio Lower Upper
 63 100
 106 26.8 21.7 32.5

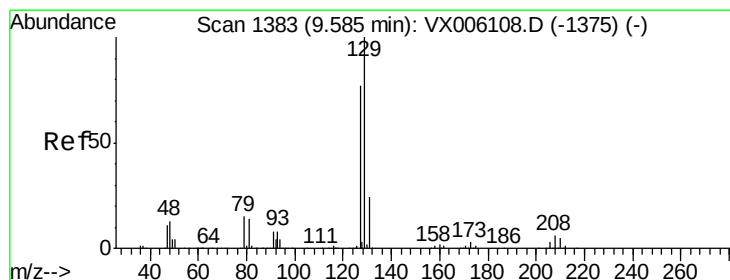
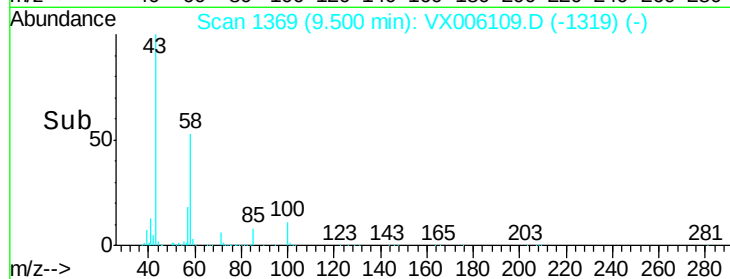
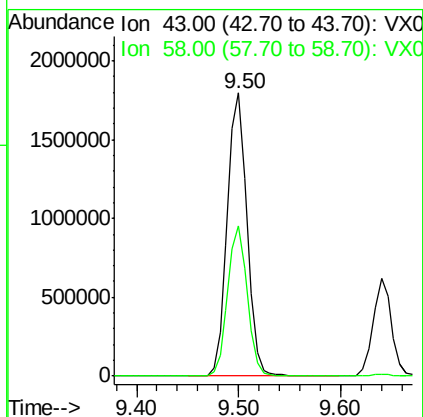
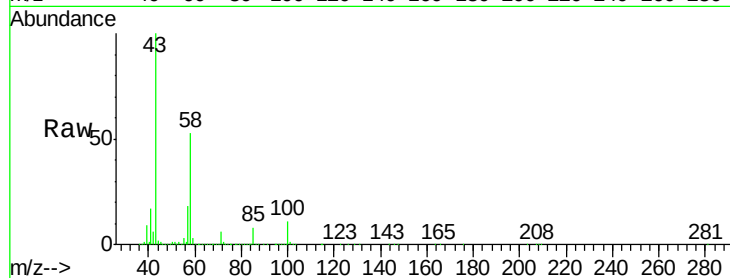




#59
2-Hexanone
Concen: 536.913 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. 0.01 min
Lab File: VX006109.D
Acq: 20 Nov 2018 19:03

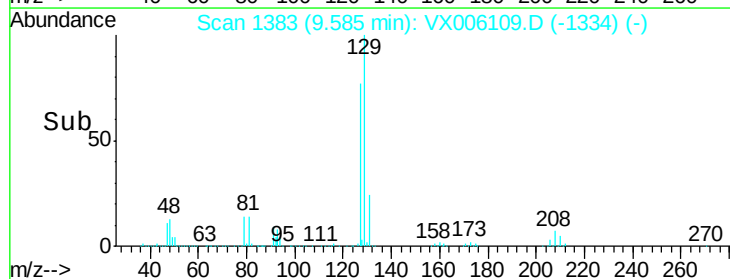
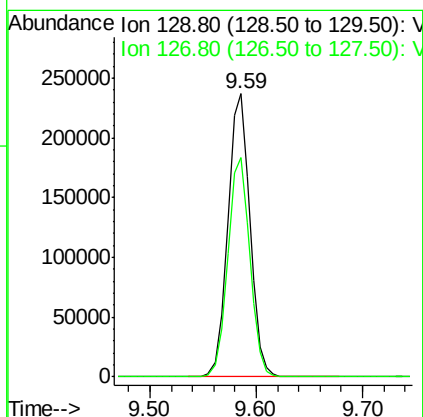
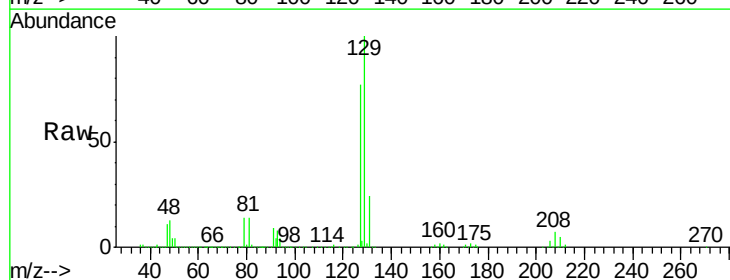
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

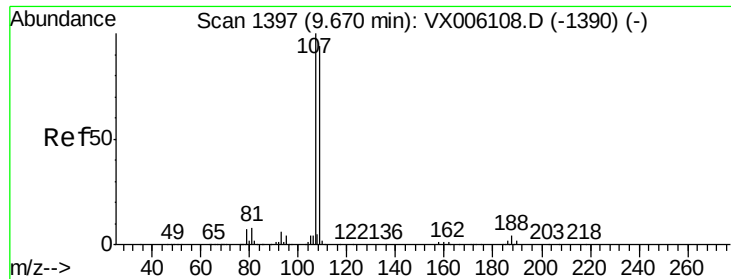
Tgt Ion: 43 Resp: 2395205
Ion Ratio Lower Upper
43 100
58 52.6 26.3 78.9



#60
Dibromochloromethane
Concen: 105.394 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VX006109.D
Acq: 20 Nov 2018 19:03

Tgt Ion: 129 Resp: 344146
Ion Ratio Lower Upper
129 100
127 77.3 39.1 117.5

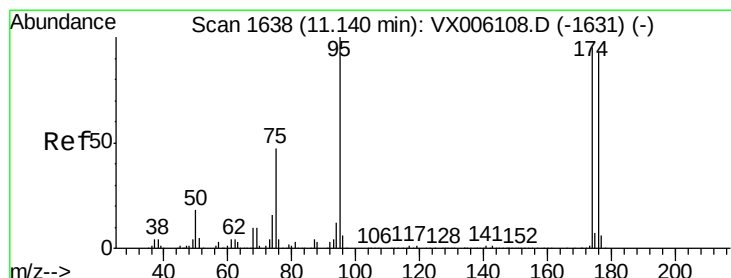
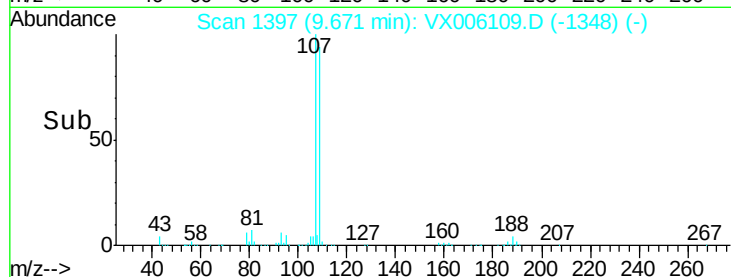
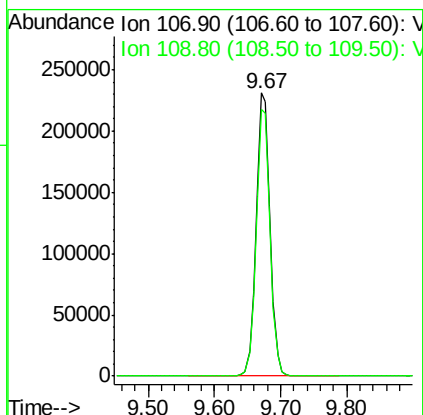
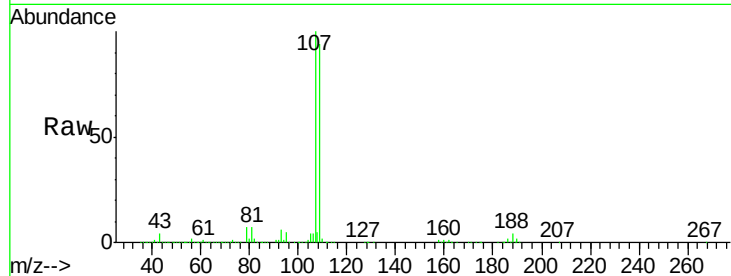




#61
 1,2-Dibromoethane
 Concen: 100.304 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. 0.00 min
 Lab File: VX006109.D
 Acq: 20 Nov 2018 19:03

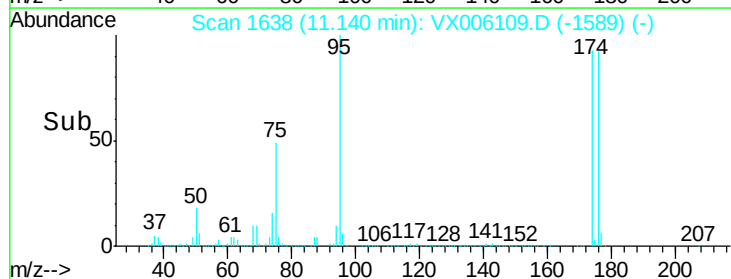
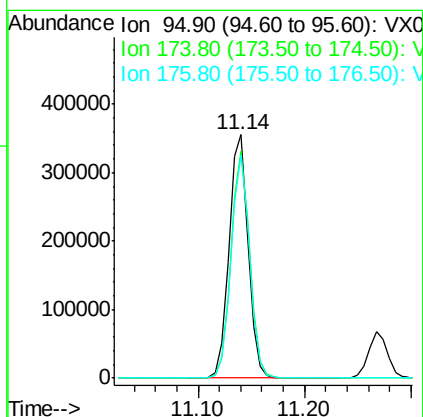
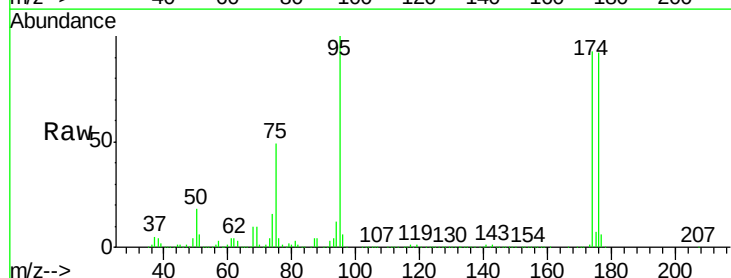
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

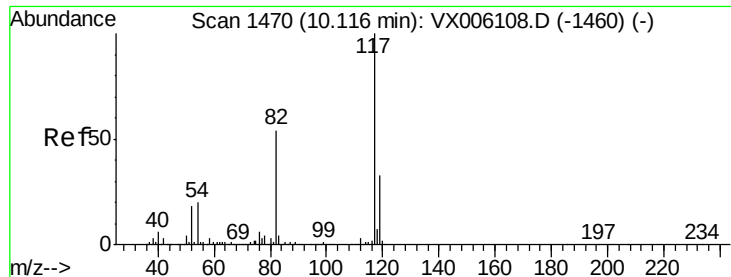
Tgt Ion: 107 Resp: 344164
 Ion Ratio Lower Upper
 107 100
 109 94.8 75.7 113.5



#62
 4-Bromofluorobenzene
 Concen: 104.879 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. 0.00 min
 Lab File: VX006109.D
 Acq: 20 Nov 2018 19:03

Tgt Ion: 95 Resp: 446926
 Ion Ratio Lower Upper
 95 100
 174 91.7 0.0 184.4
 176 89.5 0.0 179.0

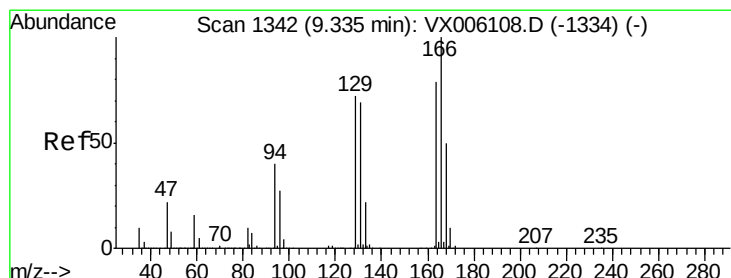
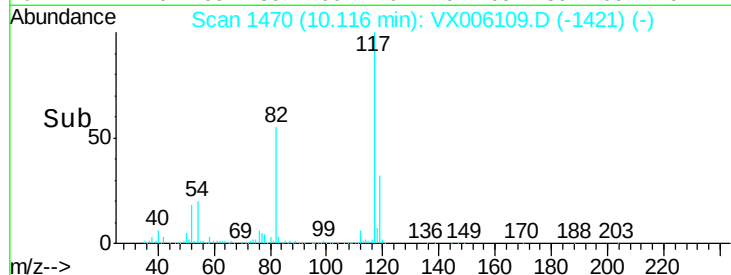
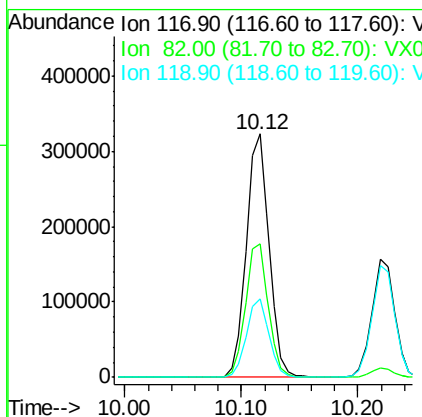
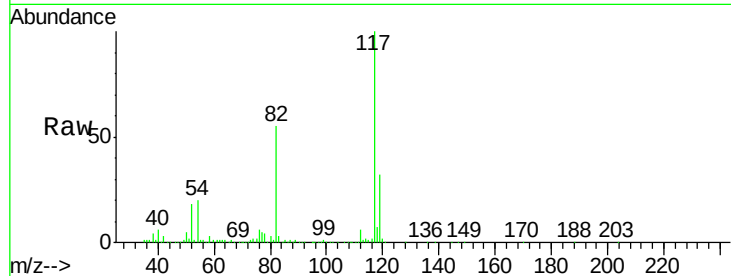




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX006109.D
Acq: 20 Nov 2018 19:03

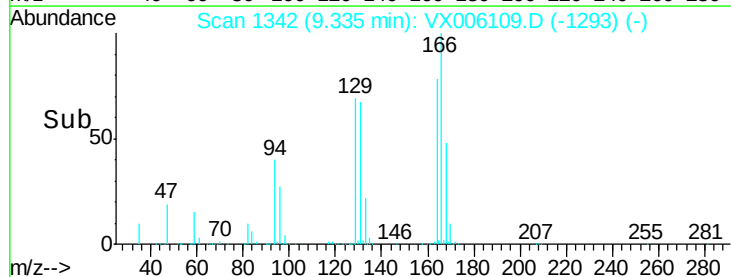
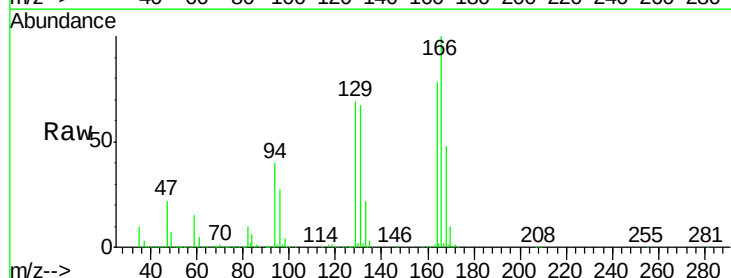
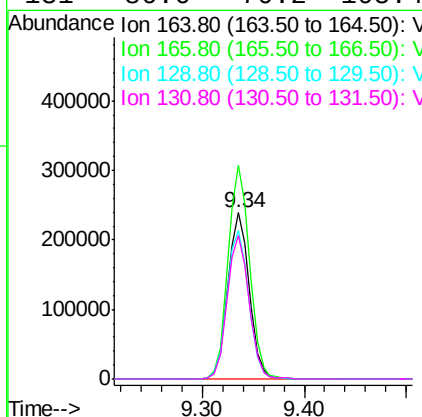
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

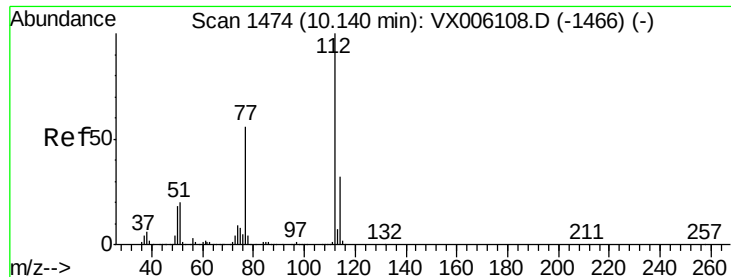
Tgt Ion:117 Resp: 441397
Ion Ratio Lower Upper
117 100
82 54.6 43.0 64.4
119 32.2 26.1 39.1



#64
Tetrachloroethene
Concen: 94.754 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX006109.D
Acq: 20 Nov 2018 19:03

Tgt Ion:164 Resp: 344188
Ion Ratio Lower Upper
164 100
166 128.5 101.5 152.3
129 89.3 73.4 110.0
131 86.6 70.2 105.4

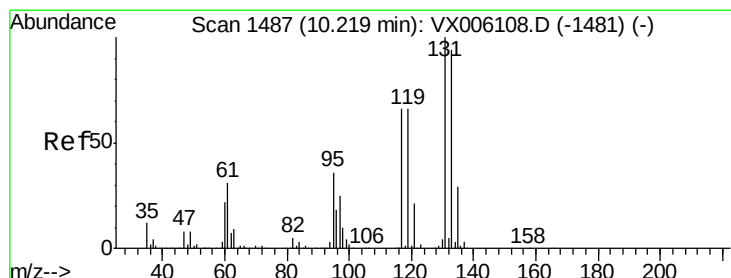
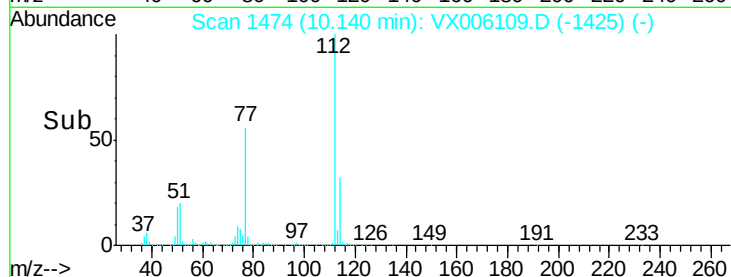
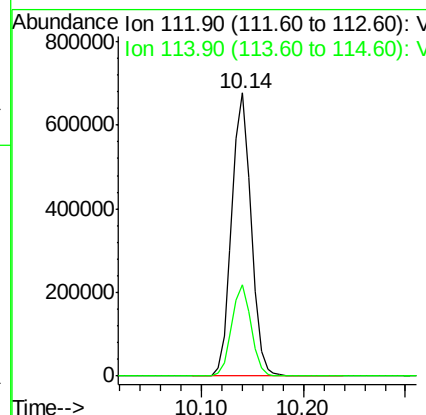
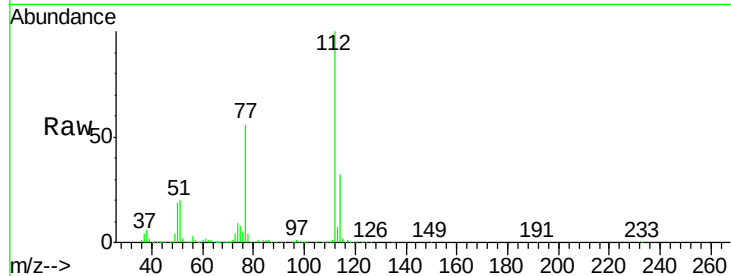




#65
Chlorobenzene
Concen: 98.365 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VX006109.D
Acq: 20 Nov 2018 19:03

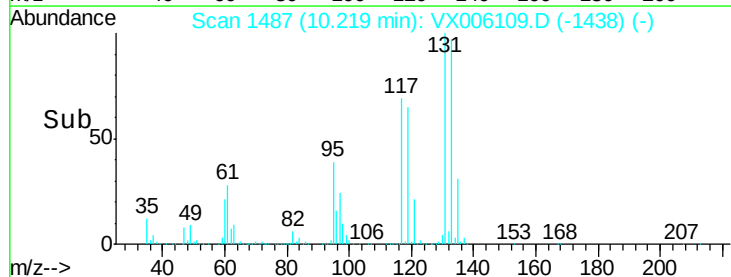
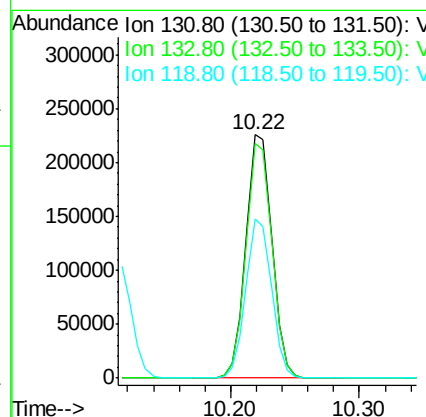
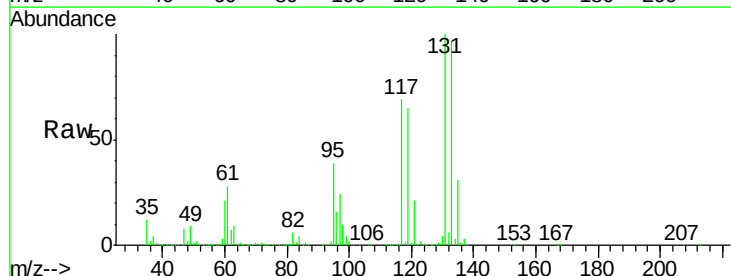
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

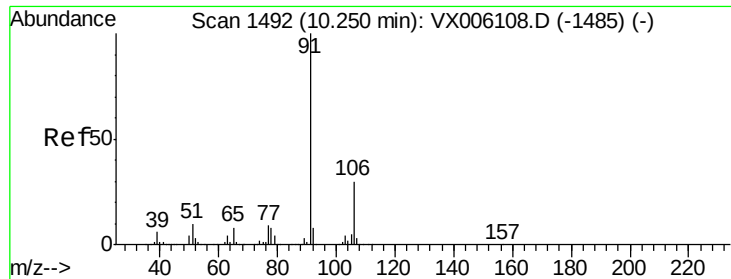
Tgt Ion:112 Resp: 890594
Ion Ratio Lower Upper
112 100
114 32.1 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 101.360 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX006109.D
Acq: 20 Nov 2018 19:03

Tgt Ion:131 Resp: 315064
Ion Ratio Lower Upper
131 100
133 96.2 48.0 144.2
119 64.7 32.6 97.8

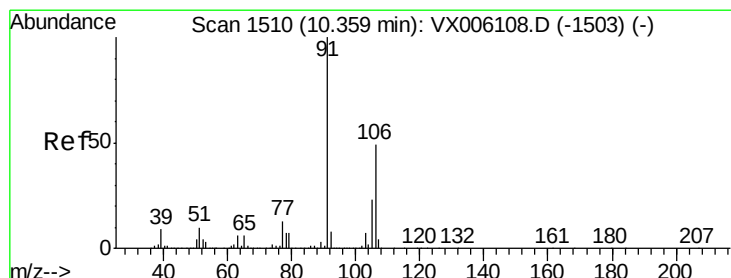
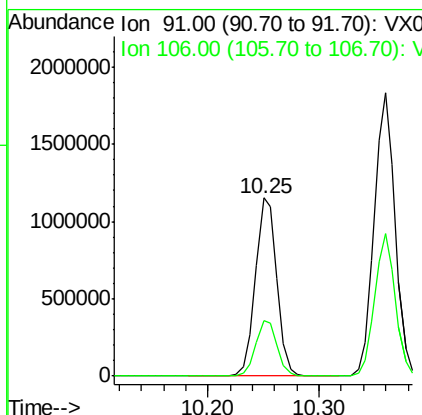
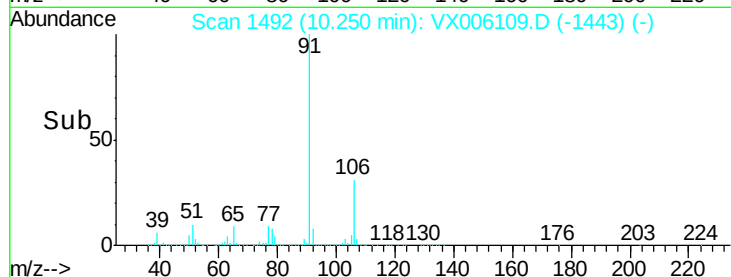
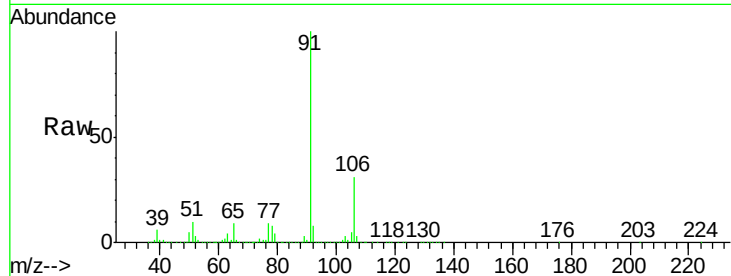




#67
 Ethyl Benzene
 Concen: 104.237 ug/l
 RT: 10.25 min Scan# 1492
 Delta R.T. 0.00 min
 Lab File: VX006109.D
 Acq: 20 Nov 2018 19:03

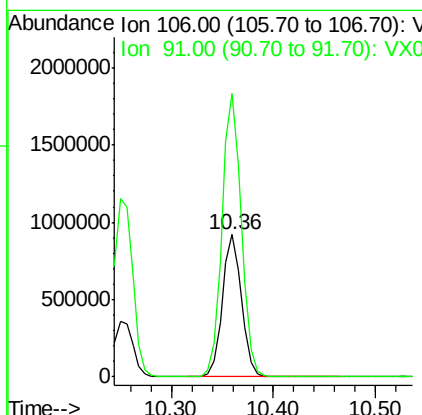
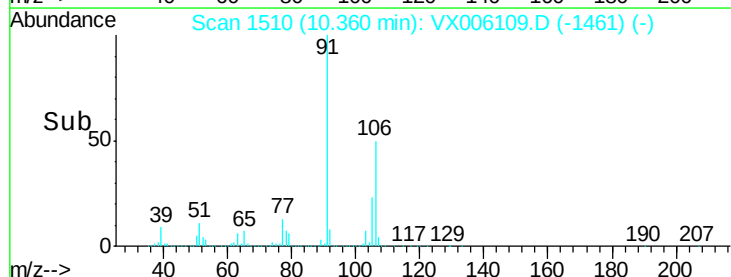
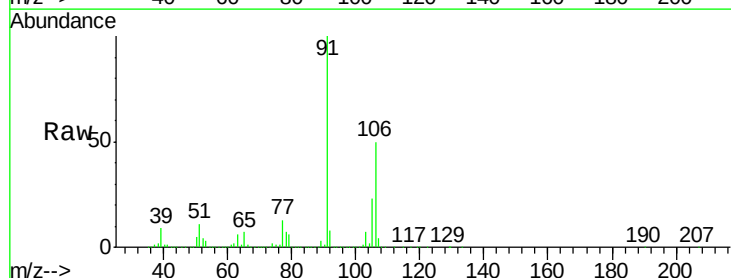
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

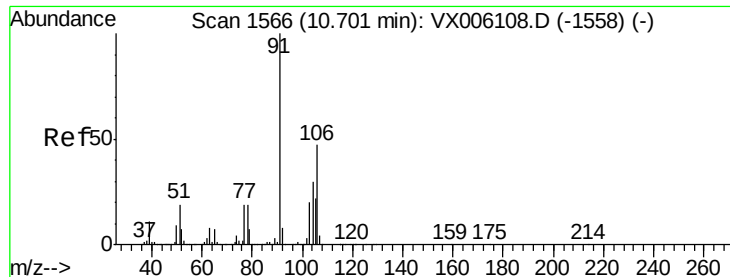
Tgt Ion: 91 Resp: 1545273
 Ion Ratio Lower Upper
 91 100
 106 30.9 24.4 36.6



#68
 m/p-Xylenes
 Concen: 207.223 ug/l
 RT: 10.36 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VX006109.D
 Acq: 20 Nov 2018 19:03

Tgt Ion: 106 Resp: 1196225
 Ion Ratio Lower Upper
 106 100
 91 201.5 162.0 243.0

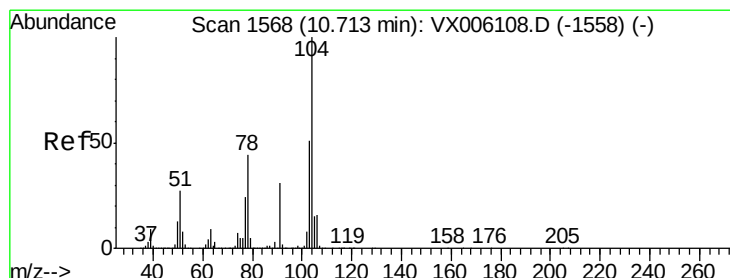
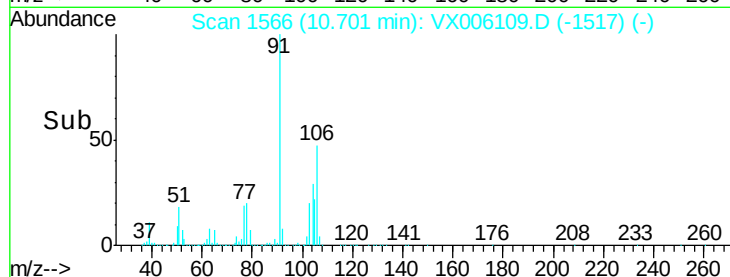
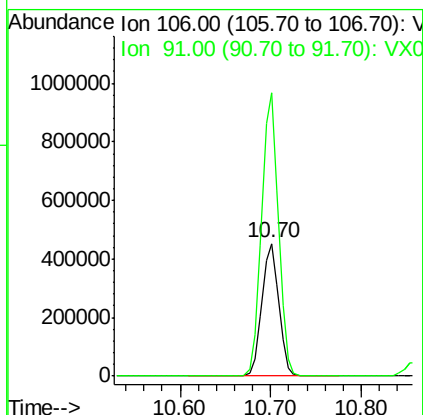
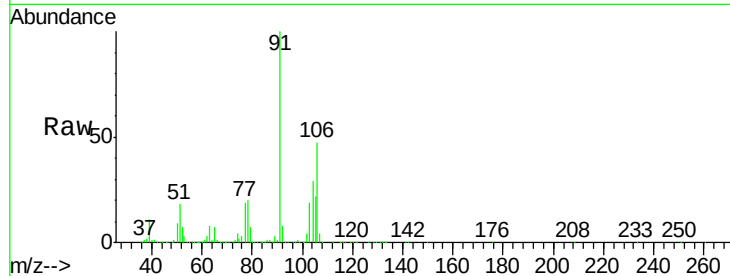




#69
o-Xylene
Concen: 105.650 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX006109.D
Acq: 20 Nov 2018 19:03

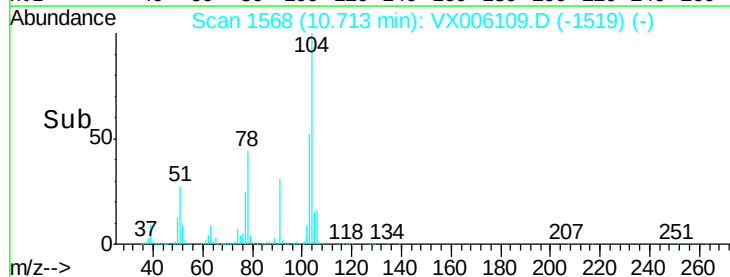
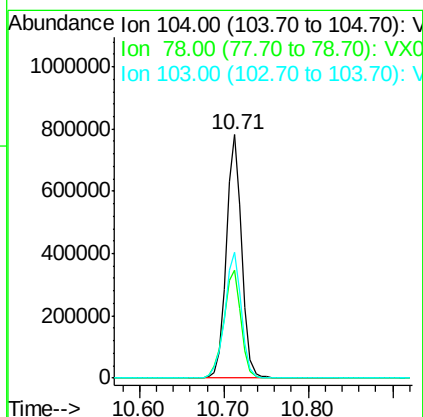
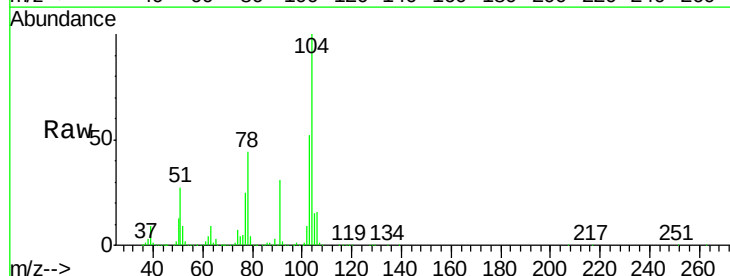
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

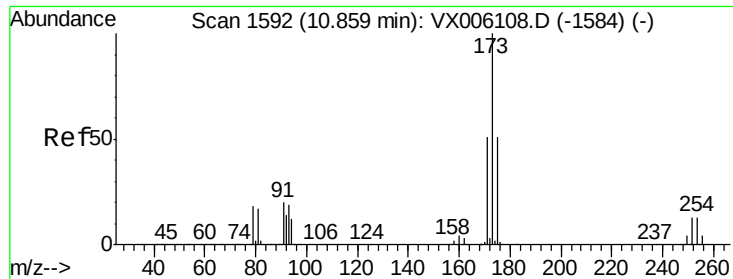
Tgt Ion:106 Resp: 582554
Ion Ratio Lower Upper
106 100
91 213.7 107.4 322.2



#70
Styrene
Concen: 109.275 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX006109.D
Acq: 20 Nov 2018 19:03

Tgt Ion:104 Resp: 982458
Ion Ratio Lower Upper
104 100
78 49.9 39.4 59.2
103 55.9 44.6 67.0





#71

Bromoform

Concen: 106.861 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX006109.D

Acq: 20 Nov 2018 19:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

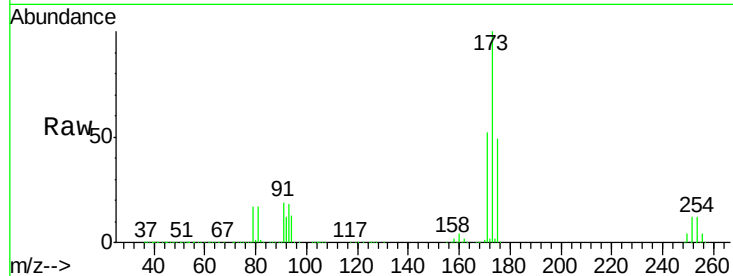
Tgt Ion:173 Resp: 297330

Ion Ratio Lower Upper

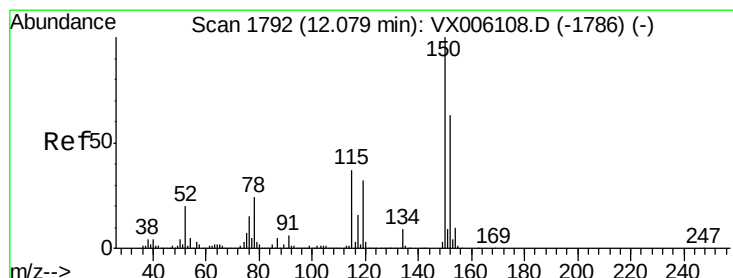
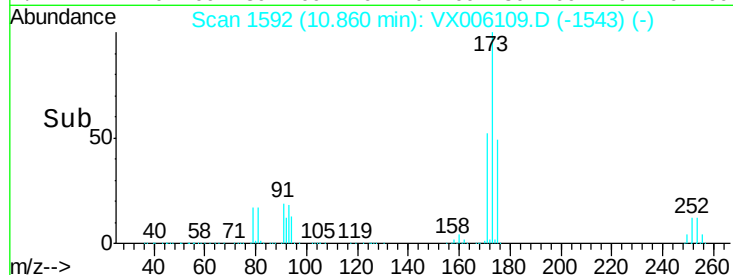
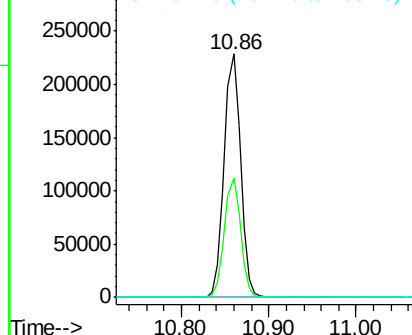
173 100

175 48.3 24.9 74.6

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: VX006109.D

Acq: 20 Nov 2018 19:03

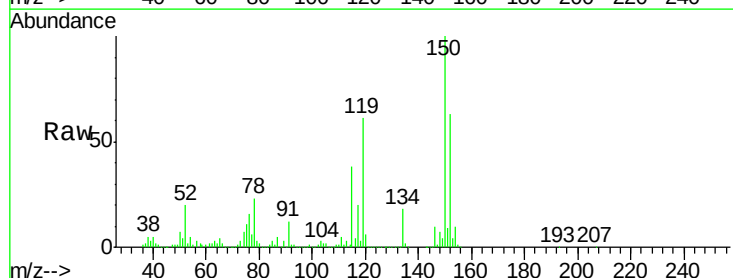
Tgt Ion:152 Resp: 250060

Ion Ratio Lower Upper

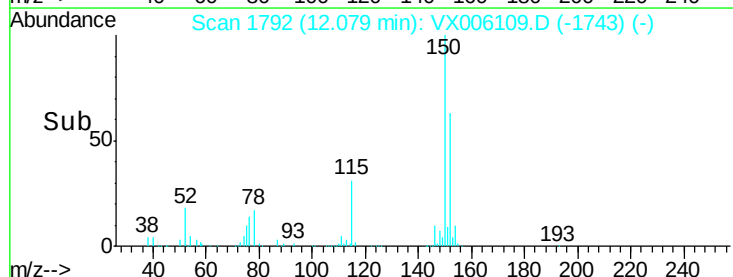
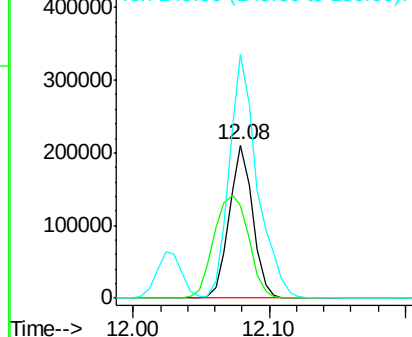
152 100

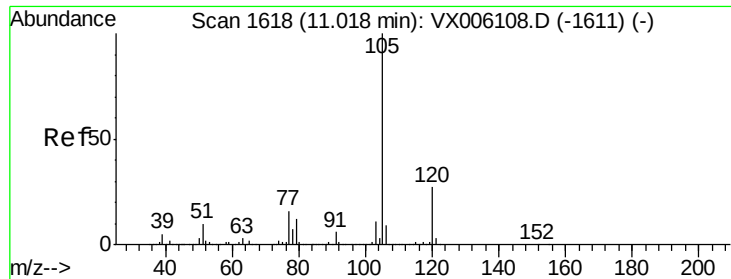
115 99.8 39.0 116.9

150 190.9 0.0 346.6



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: 103.653 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX006109.D

Acq: 20 Nov 2018 19:03

Instrument :

MSVOA_X

ClientSampleId :

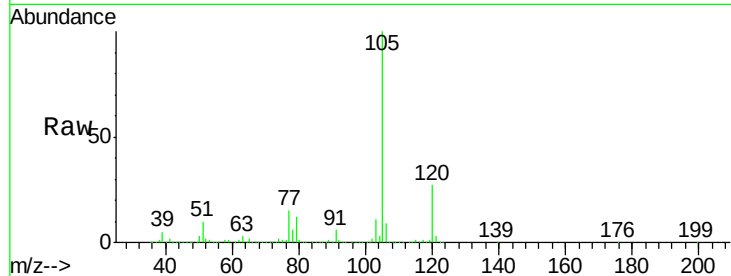
VSTDIC100

Tgt Ion:105 Resp: 1568263

Ion Ratio Lower Upper

105 100

120 26.7 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

1500000

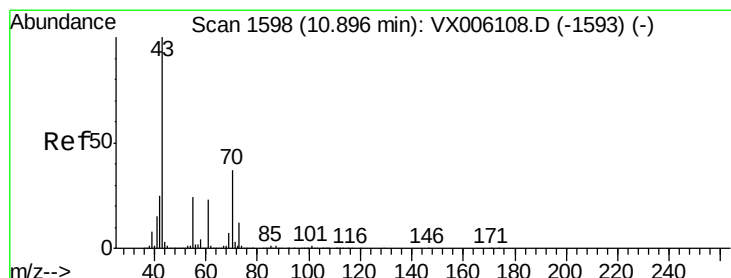
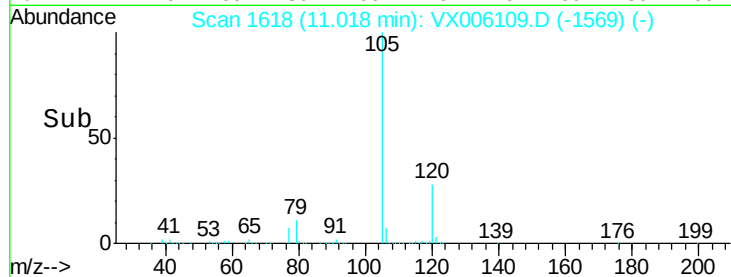
11.02

1000000

500000

0

Time--> 10.90 11.00 11.10



#74

N-ethyl acetate

Concen: 113.052 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX006109.D

Acq: 20 Nov 2018 19:03

Tgt Ion: 43 Resp: 776538

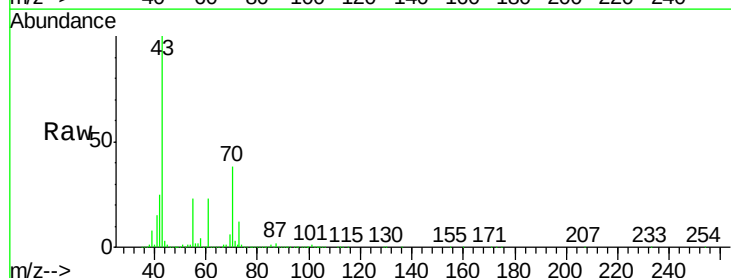
Ion Ratio Lower Upper

43 100

70 39.2 31.8 47.6

55 23.5 19.5 29.3

61 23.3 18.6 27.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

1000000

800000

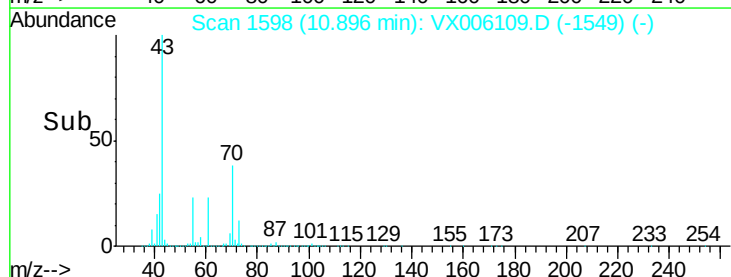
600000

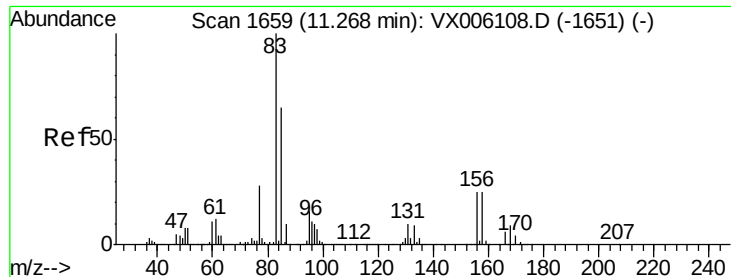
400000

200000

0

Time--> 10.80 10.90 11.00





#75

1,1,2,2-Tetrachloroethane

Concen: 96.346 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX006109.D

Acq: 20 Nov 2018 19:03

Instrument :

MSVOA_X

ClientSampled :

VSTDIC100

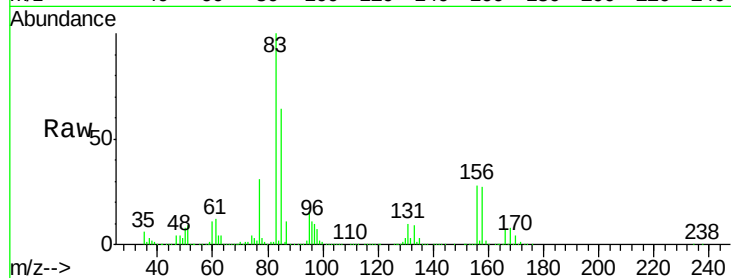
Tgt Ion: 83 Resp: 549354

Ion Ratio Lower Upper

83 100

131 10.5 5.2 15.6

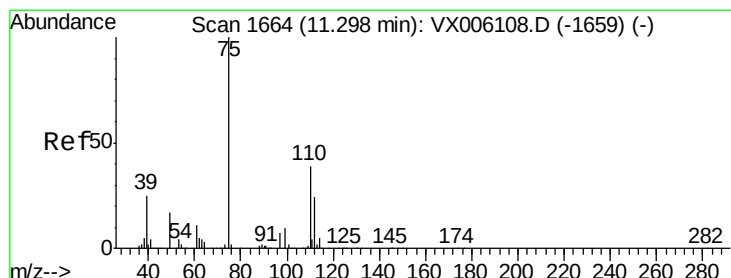
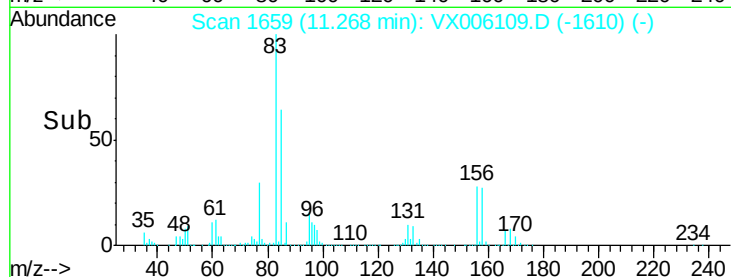
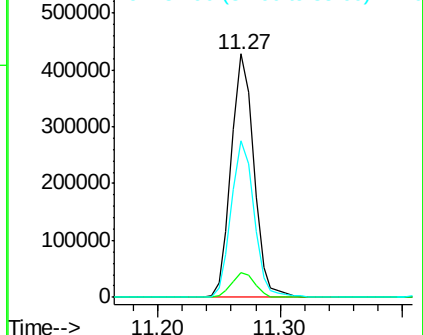
85 64.8 32.6 97.8



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): VX0

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 127.687 ug/l

RT: 11.30 min Scan# 1664

Delta R.T. 0.00 min

Lab File: VX006109.D

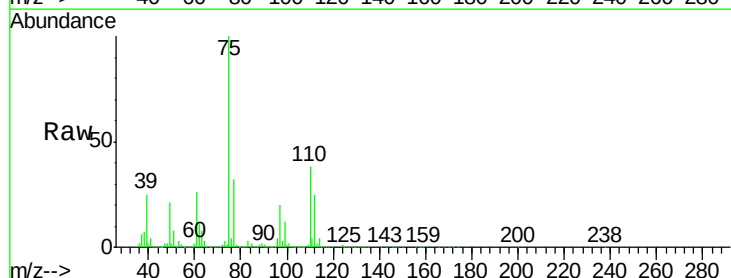
Acq: 20 Nov 2018 19:03

Tgt Ion: 75 Resp: 657358

Ion Ratio Lower Upper

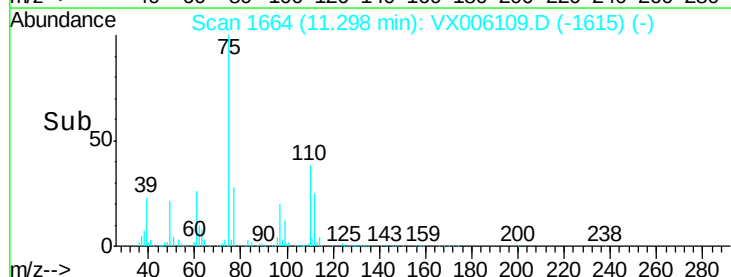
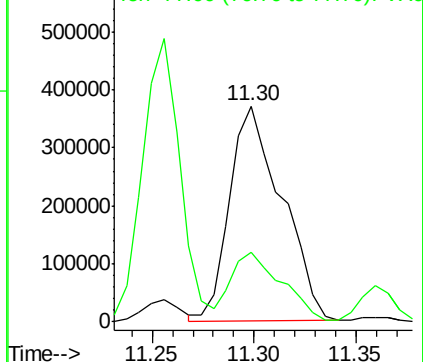
75 100

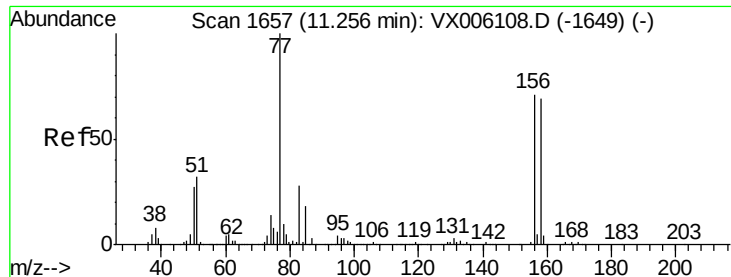
77 31.7 19.6 58.7



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 98.805 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX006109.D

Acq: 20 Nov 2018 19:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

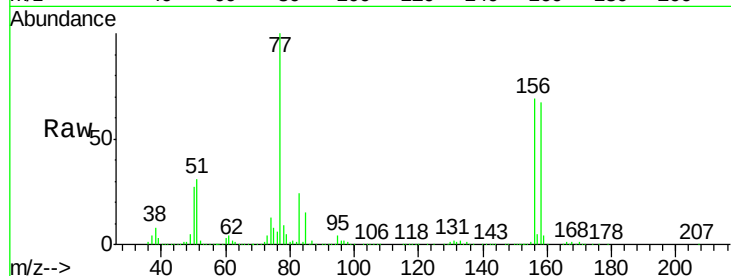
Tgt Ion:156 Resp: 418780

Ion Ratio Lower Upper

156 100

77 148.9 74.3 222.8

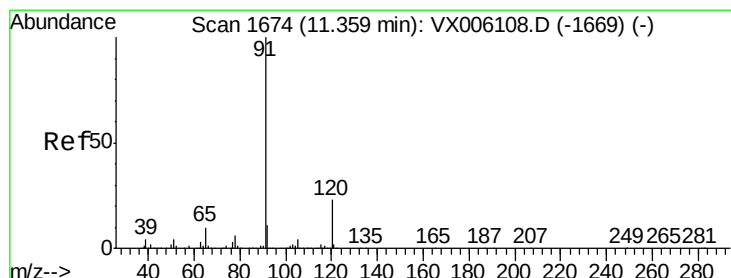
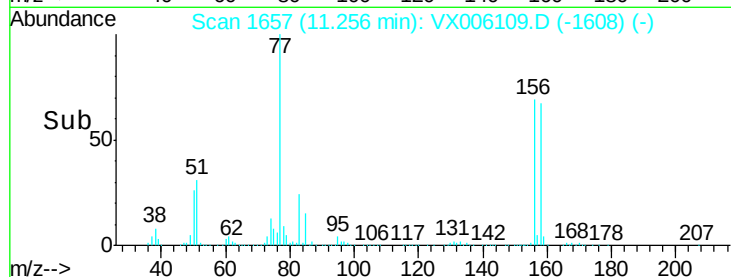
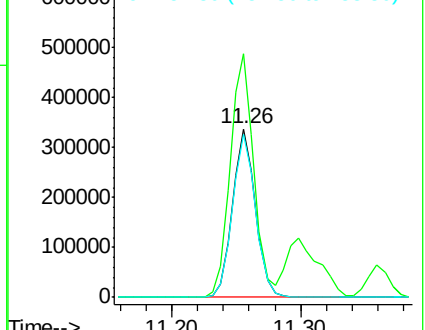
158 97.8 49.0 147.0



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: 104.837 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX006109.D

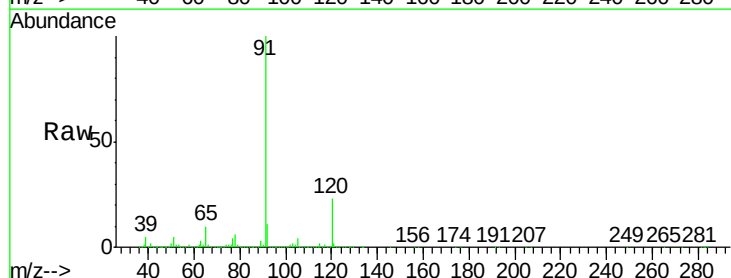
Acq: 20 Nov 2018 19:03

Tgt Ion: 91 Resp: 1847240

Ion Ratio Lower Upper

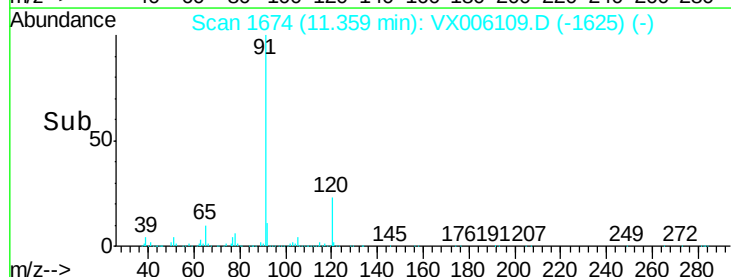
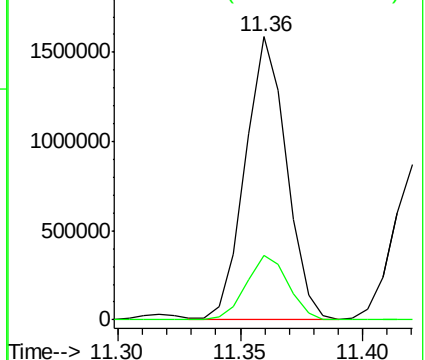
91 100

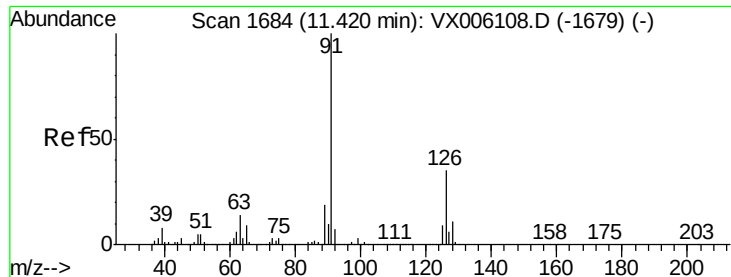
120 23.4 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 101.258 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX006109.D

Acq: 20 Nov 2018 19:03

Instrument :

MSVOA_X

ClientSampleId :

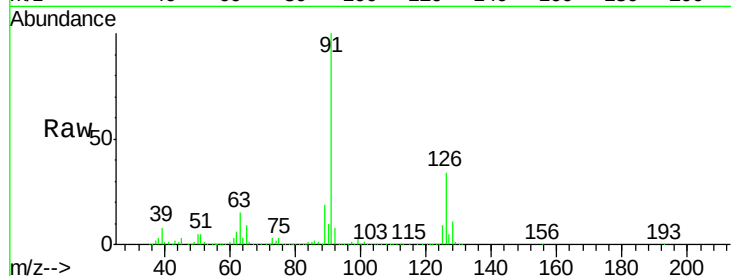
VSTDIC100

Tgt Ion: 91 Resp: 1079391

Ion Ratio Lower Upper

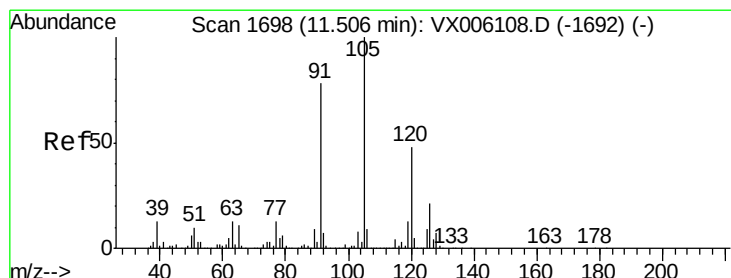
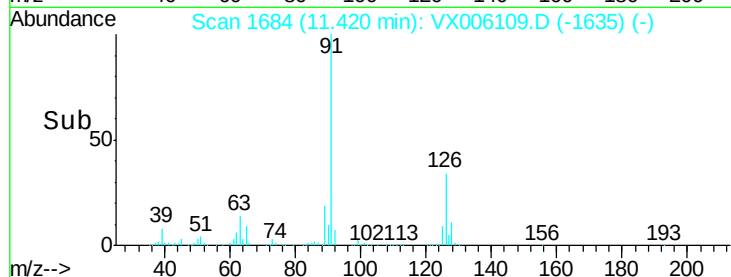
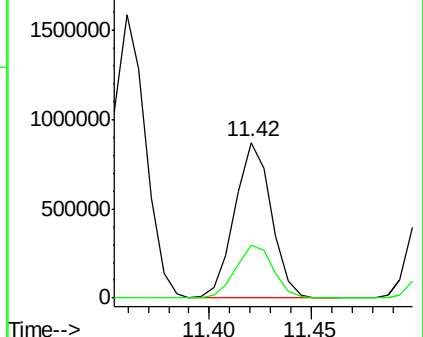
91 100

126 34.8 17.6 52.9



Abundance Ion 91.00 (90.70 to 91.70): VX006108.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX006108.D (-1679) (-)



#80

1,3,5-Trimethylbenzene

Concen: 106.232 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX006109.D

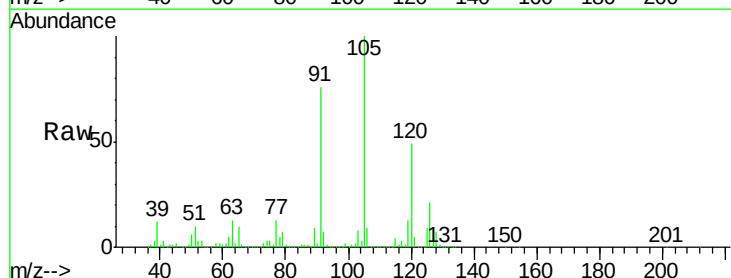
Acq: 20 Nov 2018 19:03

Tgt Ion: 105 Resp: 1355141

Ion Ratio Lower Upper

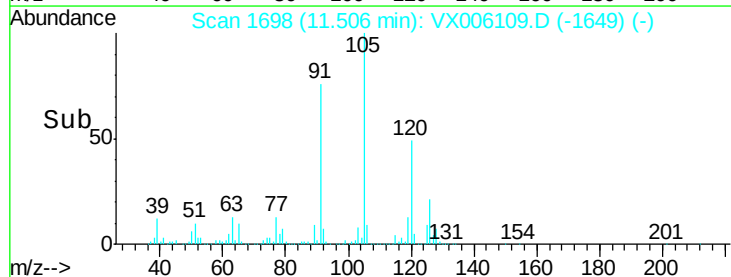
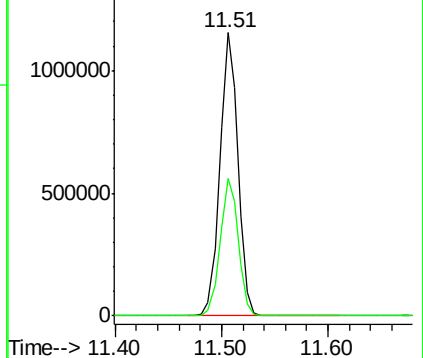
105 100

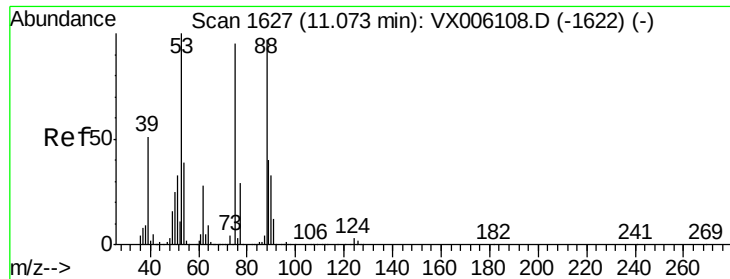
120 48.9 24.3 73.0



Abundance Ion 105.00 (104.70 to 105.70): VX006108.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX006108.D (-1692) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 112.585 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX006109.D

Acq: 20 Nov 2018 19:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

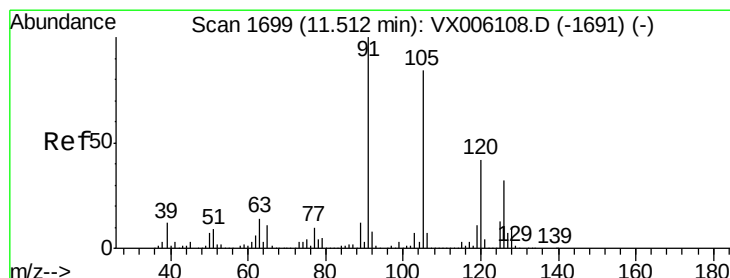
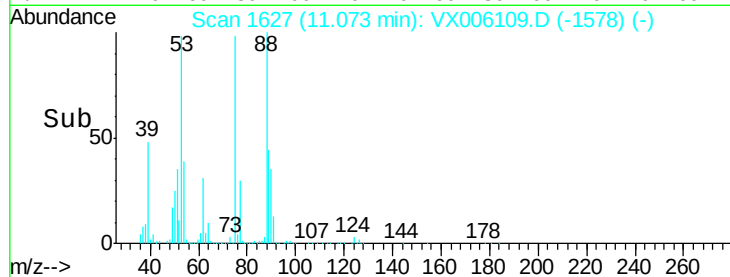
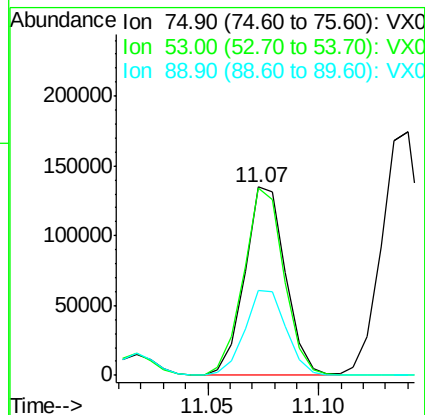
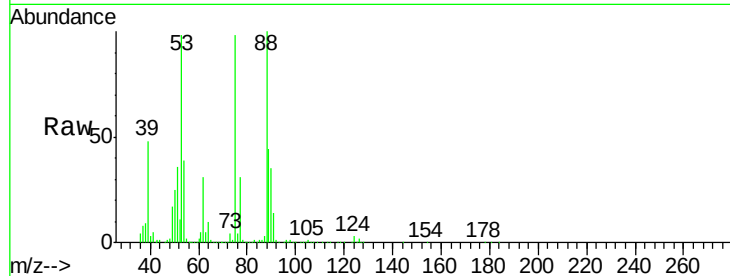
Tgt Ion: 75 Resp: 171369

Ion Ratio Lower Upper

75 100

53 99.1 85.3 127.9

89 45.9 37.2 55.8



#82

4-Chlorotoluene

Concen: 104.342 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VX006109.D

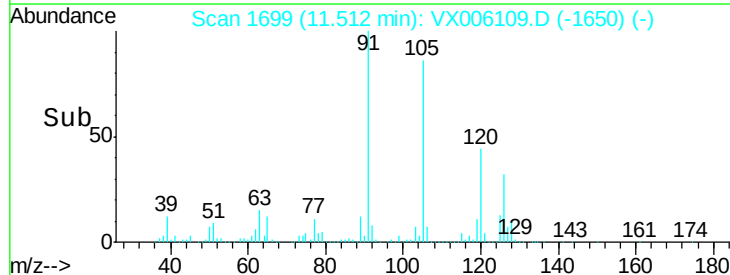
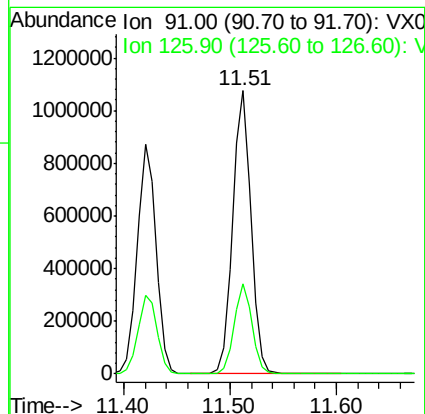
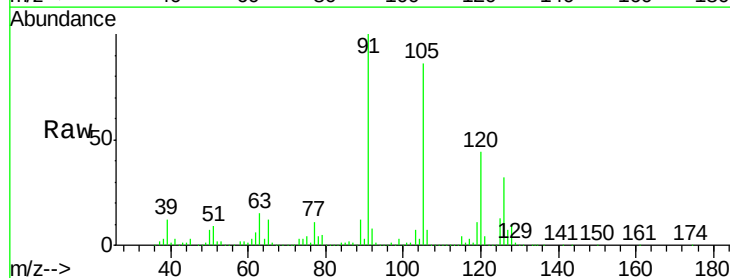
Acq: 20 Nov 2018 19:03

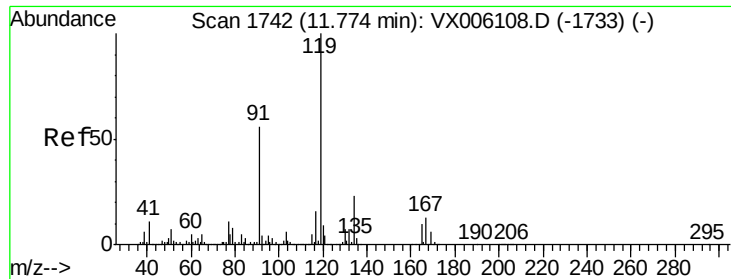
Tgt Ion: 91 Resp: 1298023

Ion Ratio Lower Upper

91 100

126 31.0 15.3 45.9

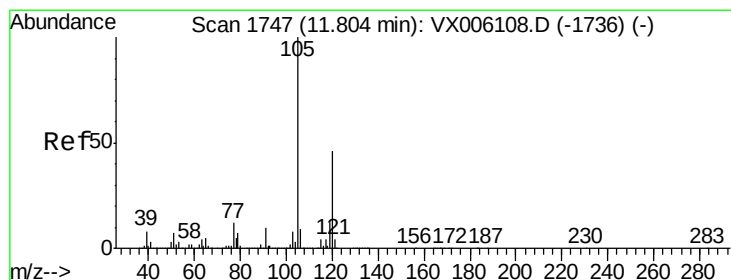
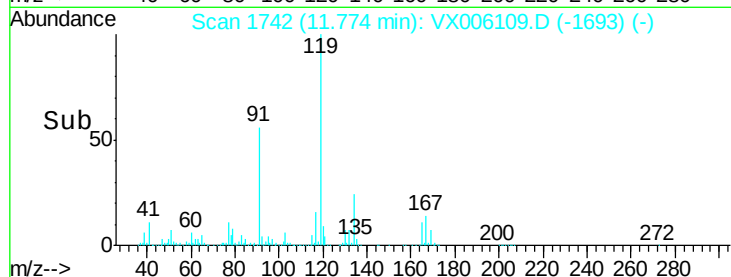
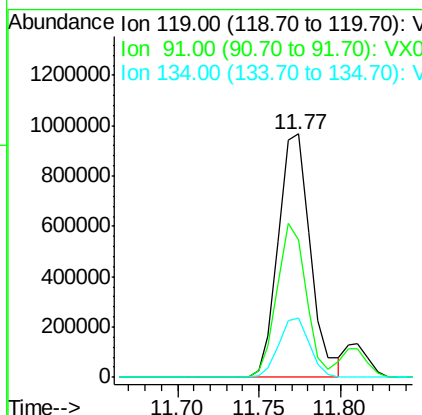
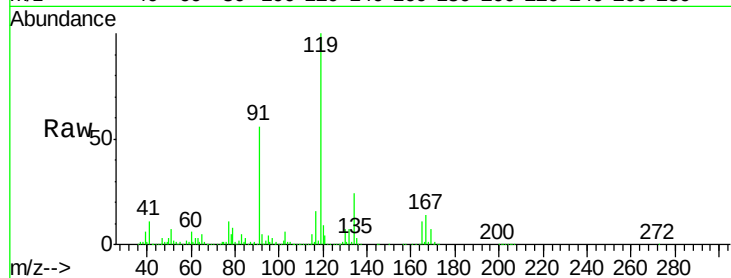




#83
 tert-Butylbenzene
 Concen: 106.004 ug/l
 RT: 11.77 min Scan# 1742
 Delta R.T. 0.00 min
 Lab File: VX006109.D
 Acq: 20 Nov 2018 19:03

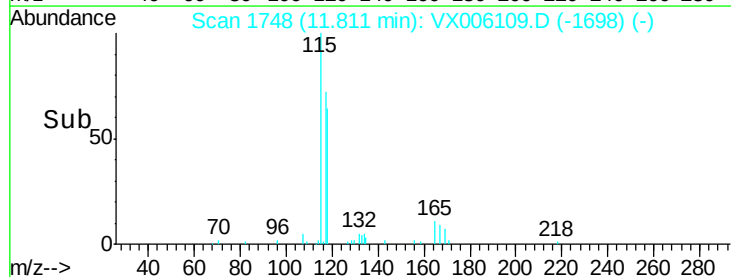
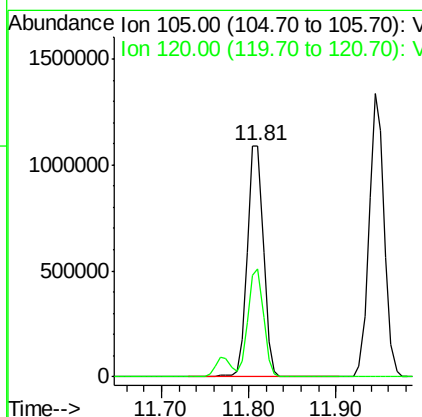
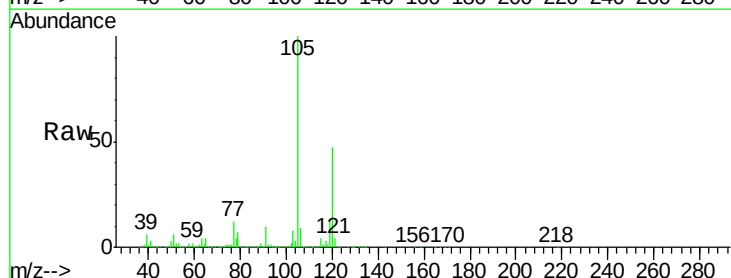
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

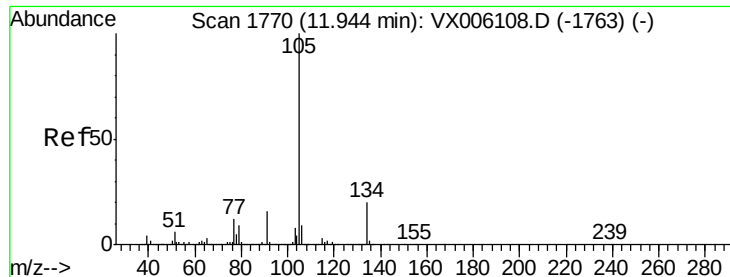
Tgt Ion:119 Resp: 1320107
 Ion Ratio Lower Upper
 119 100
 91 57.2 28.2 84.6
 134 23.2 11.5 34.4



#84
 1,2,4-Trimethylbenzene
 Concen: 106.387 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. 0.01 min
 Lab File: VX006109.D
 Acq: 20 Nov 2018 19:03

Tgt Ion:105 Resp: 1384319
 Ion Ratio Lower Upper
 105 100
 120 45.0 22.7 68.0





#85

sec-Butylbenzene

Concen: 106.476 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX006109.D

Acq: 20 Nov 2018 19:03

Instrument :

MSVOA_X

ClientSampleId :

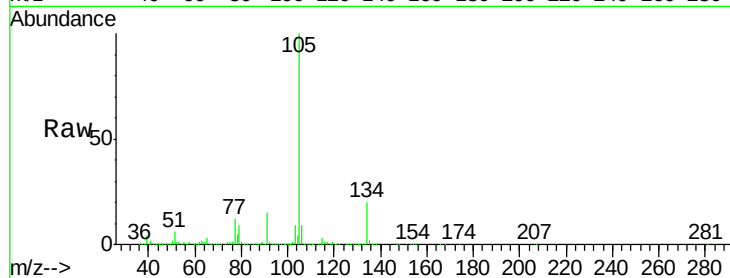
VSTDIC100

Tgt Ion:105 Resp: 1621909

Ion Ratio Lower Upper

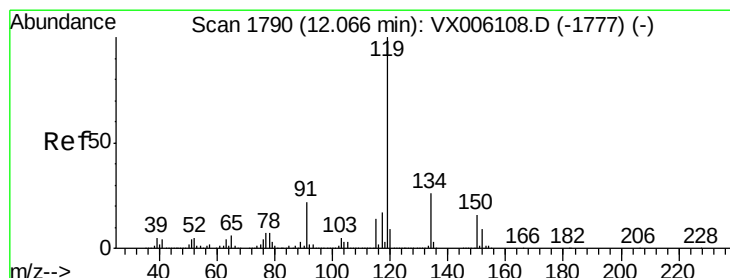
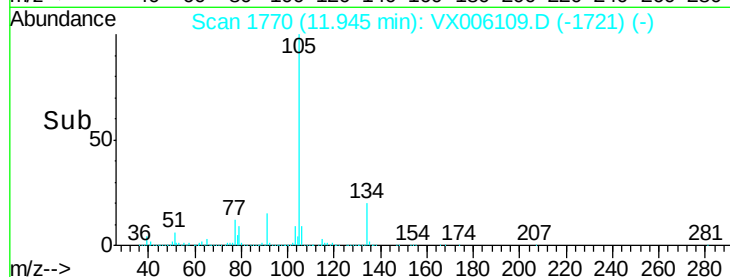
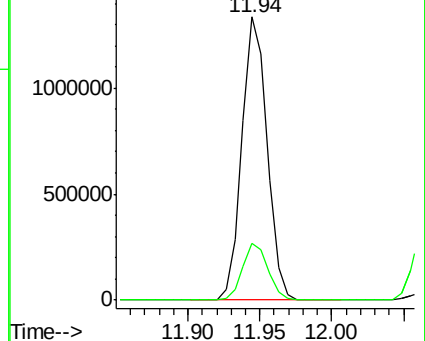
105 100

134 20.1 10.4 31.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 107.519 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. 0.00 min

Lab File: VX006109.D

Acq: 20 Nov 2018 19:03

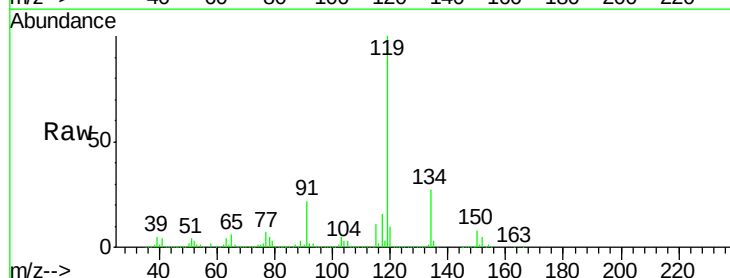
Tgt Ion:119 Resp: 1460217

Ion Ratio Lower Upper

119 100

134 26.6 13.1 39.3

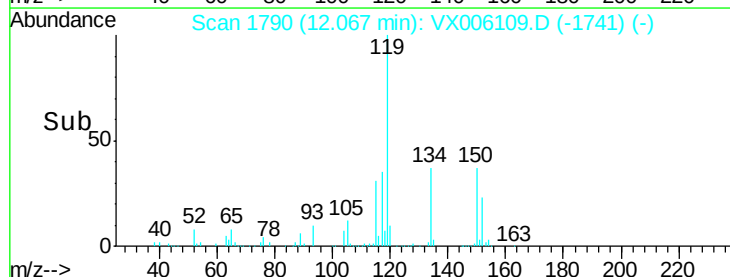
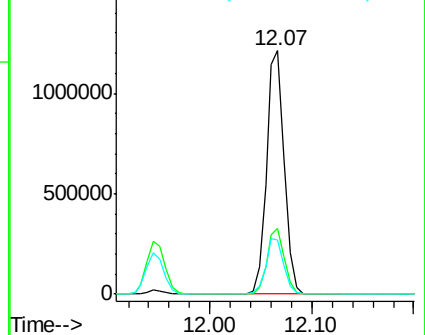
91 22.9 11.3 33.9

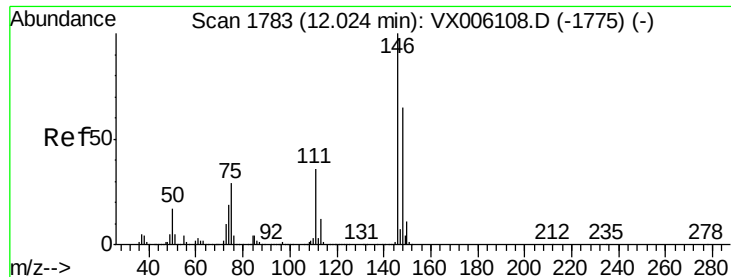


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 98.687 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VX006109.D

Acq: 20 Nov 2018 19:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

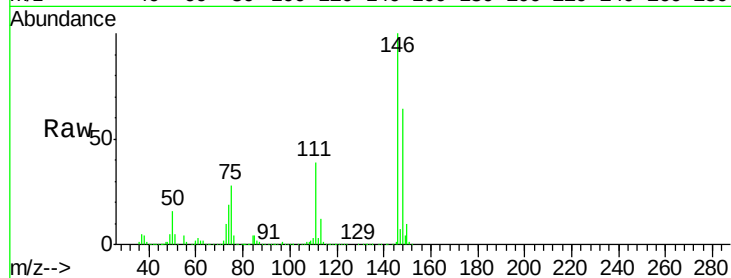
Tgt Ion:146 Resp: 771226

Ion Ratio Lower Upper

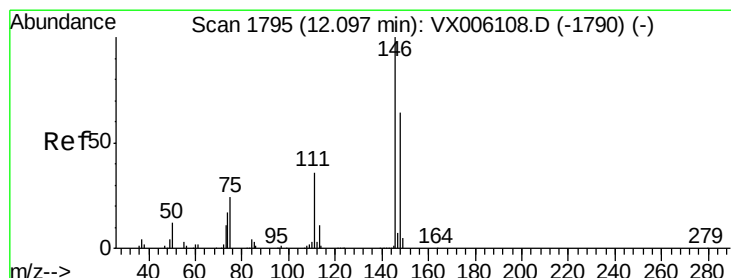
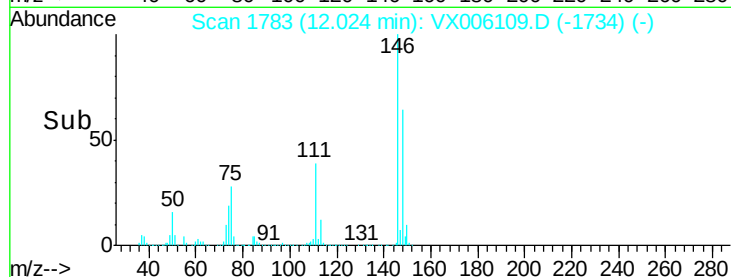
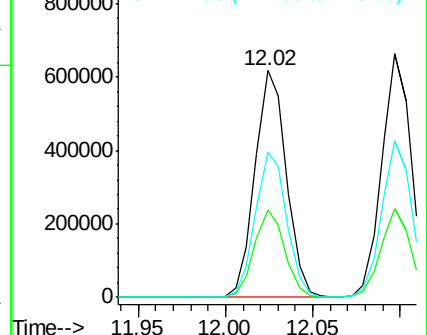
146 100

111 37.7 18.8 56.3

148 64.2 32.2 96.6



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 96.308 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VX006109.D

Acq: 20 Nov 2018 19:03

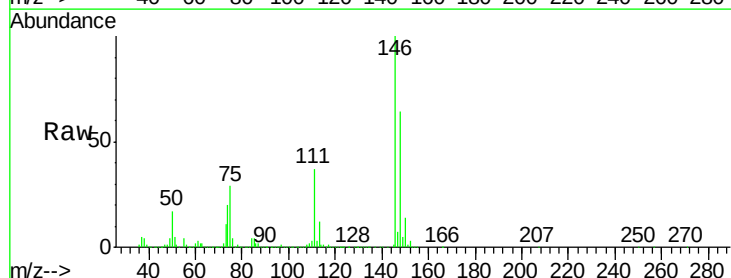
Tgt Ion:146 Resp: 780228

Ion Ratio Lower Upper

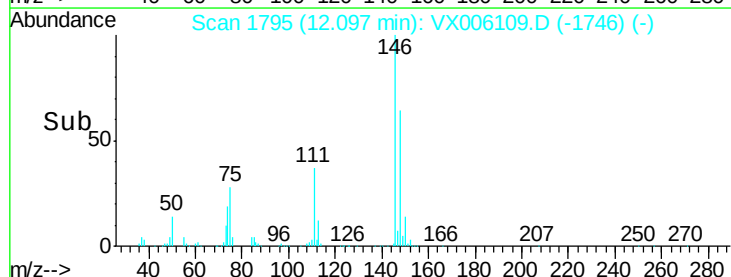
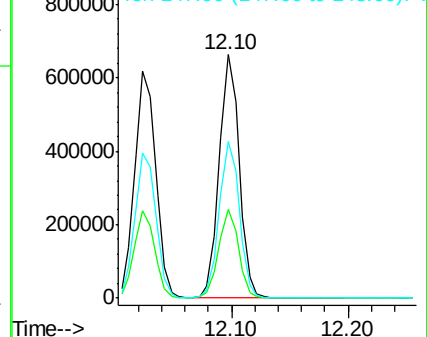
146 100

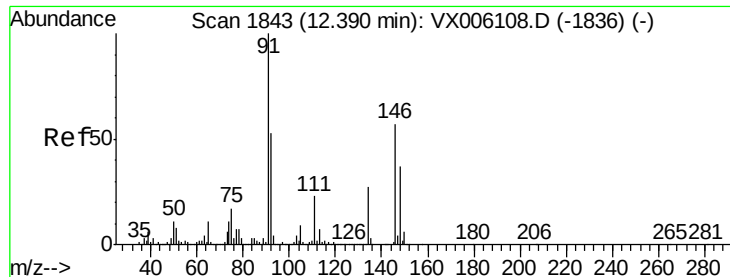
111 36.7 18.3 54.9

148 64.8 32.2 96.6



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 109.158 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX006109.D

Acq: 20 Nov 2018 19:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

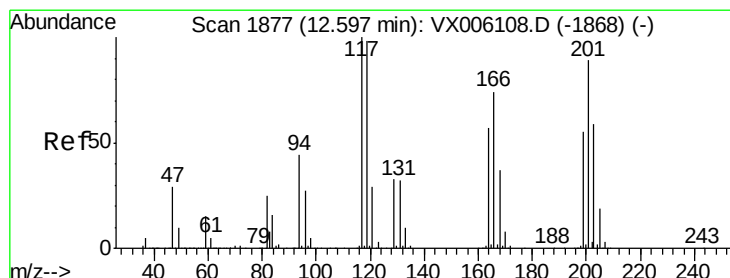
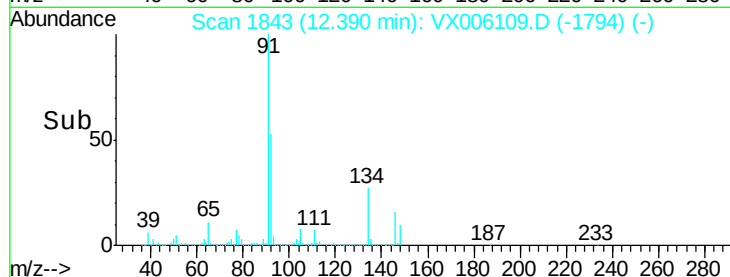
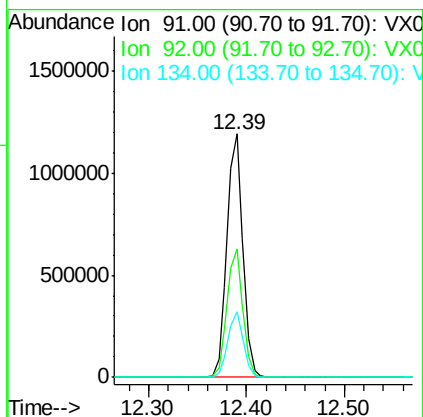
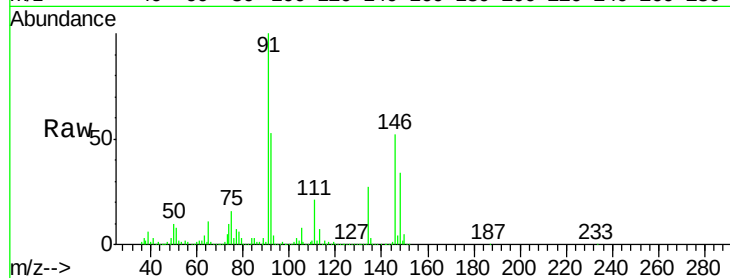
Tgt Ion: 91 Resp: 1342235

Ion Ratio Lower Upper

91 100

92 52.5 26.6 79.7

134 26.4 13.1 39.3



#90

Hexachloroethane

Concen: 106.408 ug/l

RT: 12.60 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VX006109.D

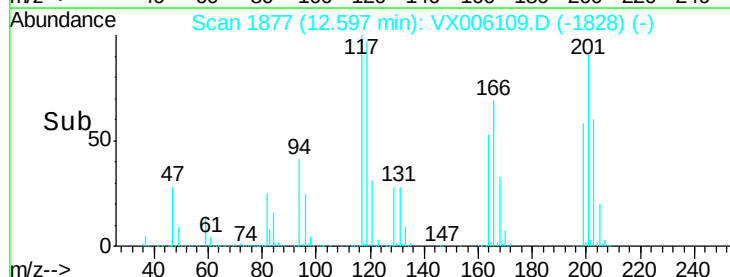
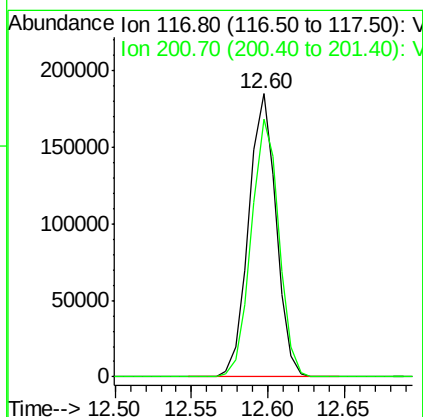
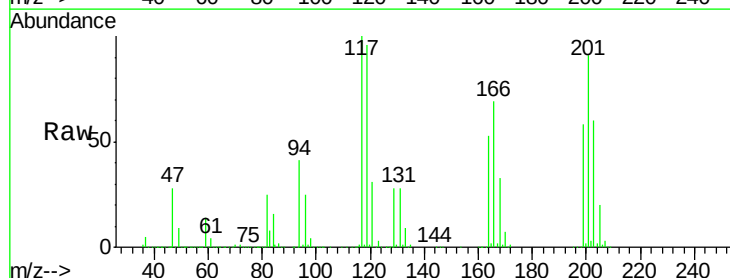
Acq: 20 Nov 2018 19:03

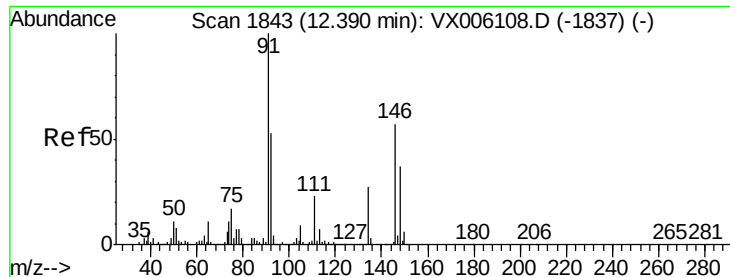
Tgt Ion: 117 Resp: 230615

Ion Ratio Lower Upper

117 100

201 91.8 46.1 138.2

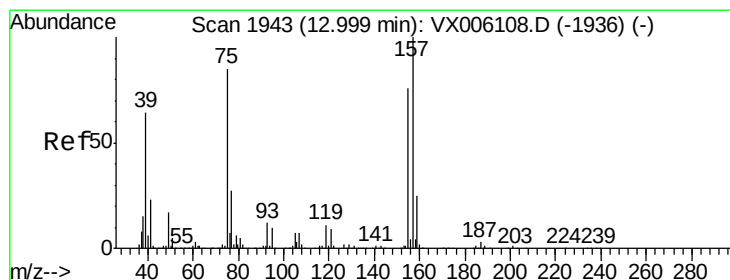
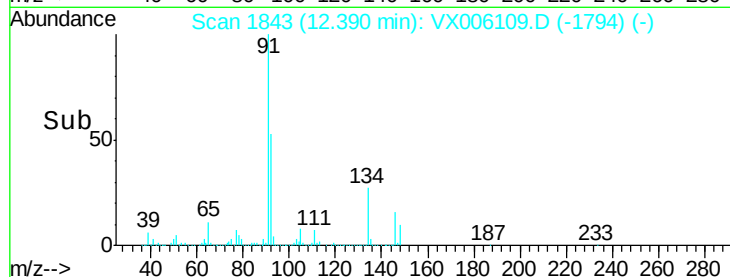
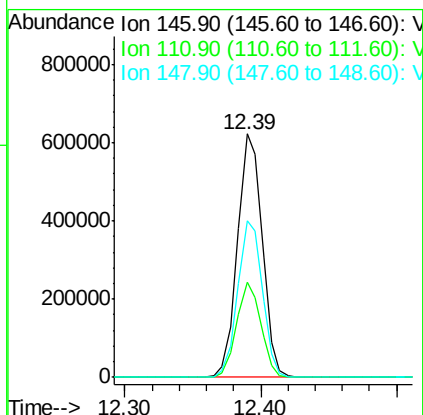
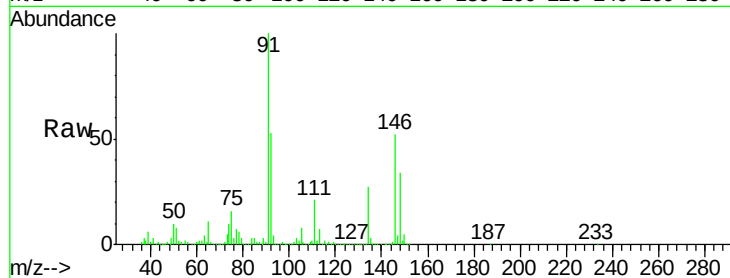




#91
 1,2-Dichlorobenzene
 Concen: 98.374 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX006109.D
 Acq: 20 Nov 2018 19:03

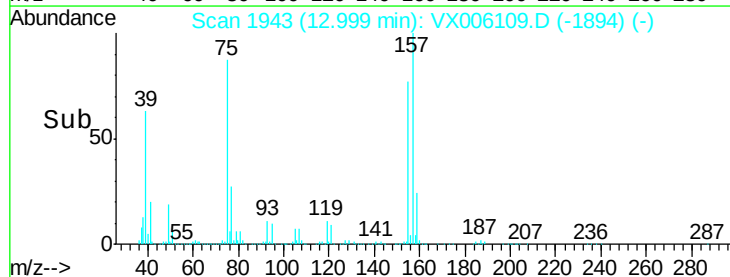
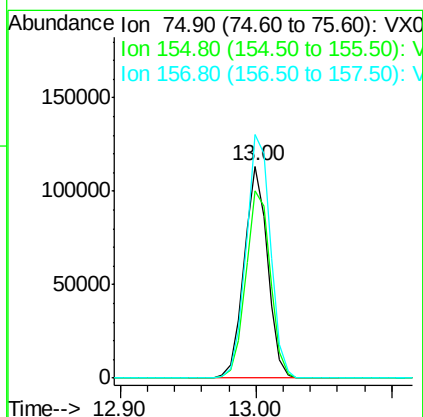
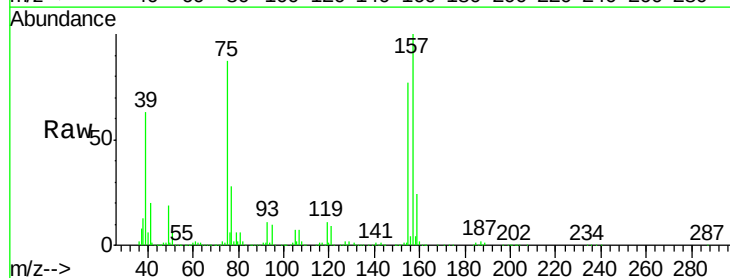
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

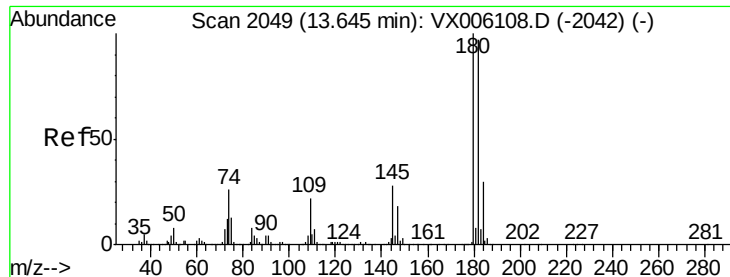
Tgt Ion: 146 Resp: 785980
 Ion Ratio Lower Upper
 146 100
 111 38.5 19.6 58.8
 148 64.4 32.0 96.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 102.763 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX006109.D
 Acq: 20 Nov 2018 19:03

Tgt Ion: 75 Resp: 135964
 Ion Ratio Lower Upper
 75 100
 155 92.8 46.1 138.3
 157 120.0 59.8 179.3

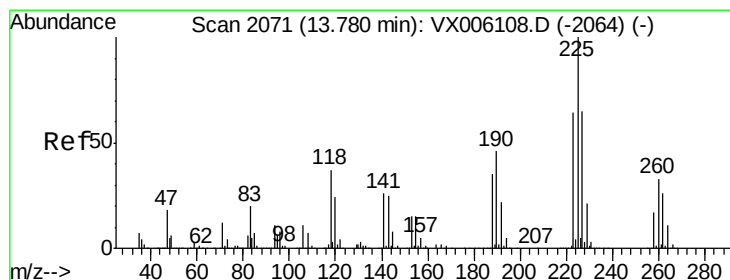
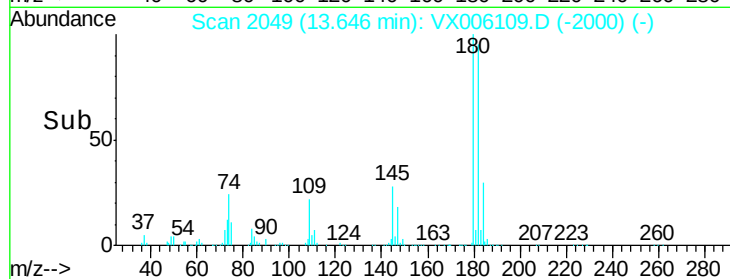
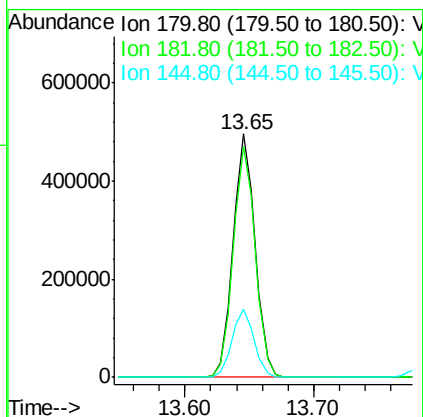
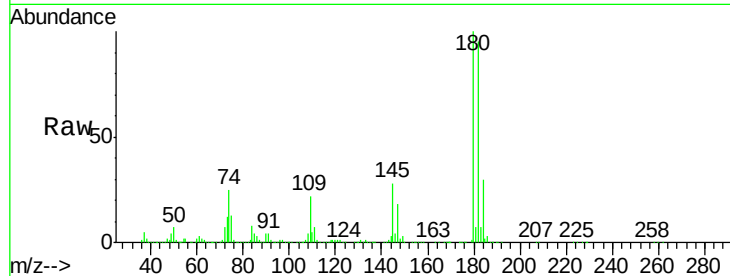




#93
1,2,4-Trichlorobenzene
Concen: 105.349 ug/l
RT: 13.65 min Scan# 2049
Delta R.T. 0.00 min
Lab File: VX006109.D
Acq: 20 Nov 2018 19:03

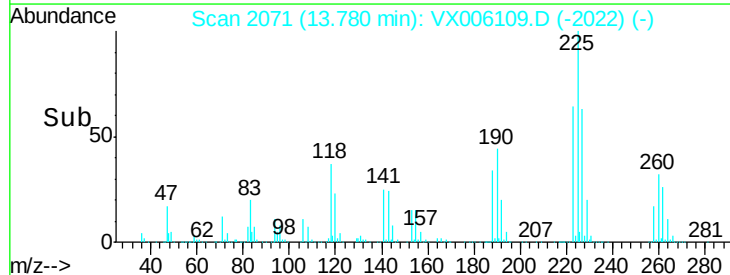
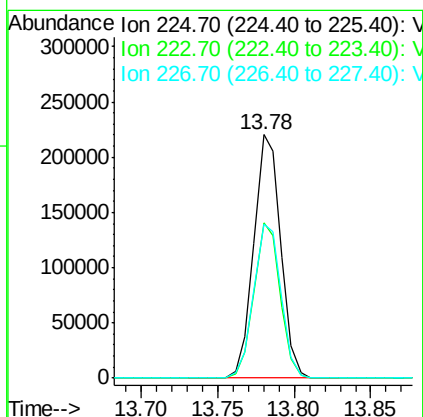
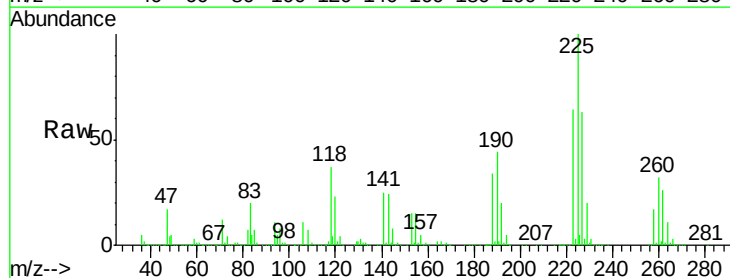
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

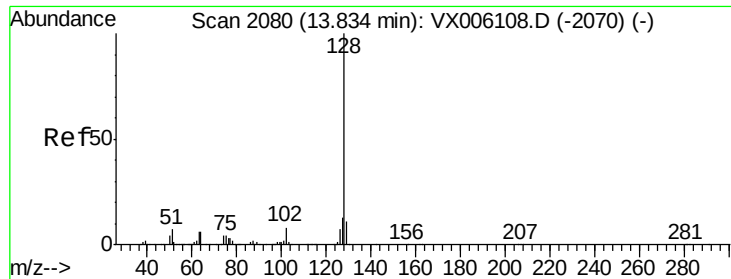
Tgt Ion:180 Resp: 592948
Ion Ratio Lower Upper
180 100
182 95.0 48.2 144.6
145 28.0 14.1 42.2



#94
Hexachlorobutadiene
Concen: 98.290 ug/l
RT: 13.78 min Scan# 2071
Delta R.T. 0.00 min
Lab File: VX006109.D
Acq: 20 Nov 2018 19:03

Tgt Ion:225 Resp: 269618
Ion Ratio Lower Upper
225 100
223 62.4 31.2 93.6
227 64.2 32.4 97.2





#95

Naphthalene

Concen: 111.067 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX006109.D

Acq: 20 Nov 2018 19:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

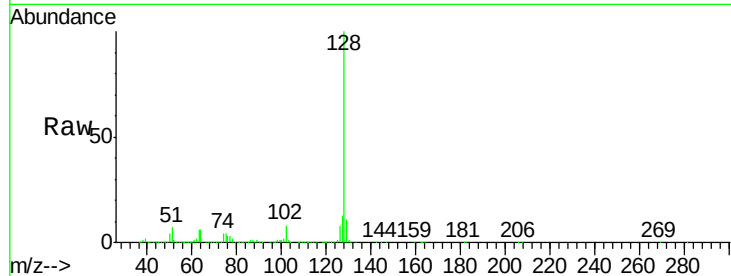
Tgt Ion:128 Resp: 1838223

Ion Ratio Lower Upper

128 100

127 13.2 10.6 15.8

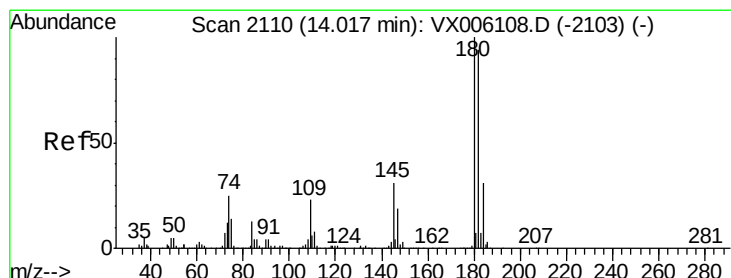
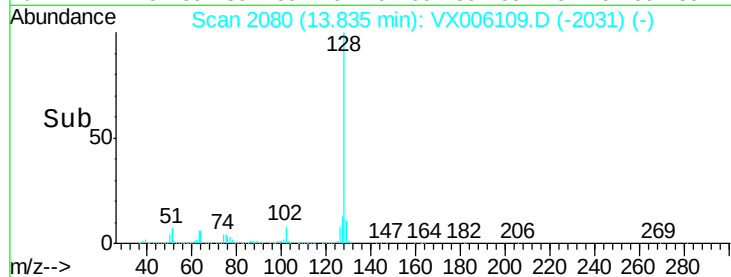
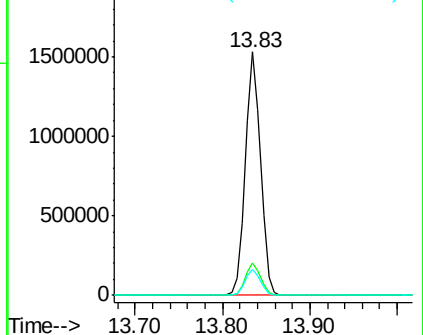
129 10.9 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 102.966 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX006109.D

Acq: 20 Nov 2018 19:03

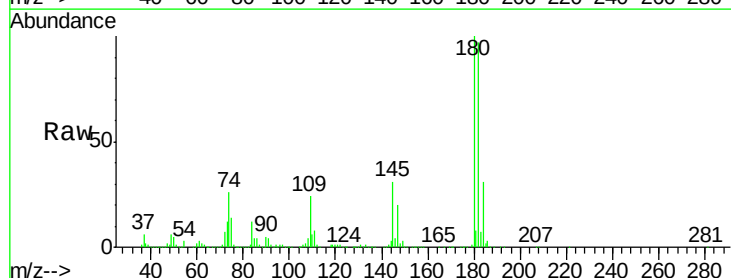
Tgt Ion:180 Resp: 590822

Ion Ratio Lower Upper

180 100

182 96.7 47.5 142.5

145 30.0 15.0 45.0



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

