

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091818\
 Data File : VX004693.D
 Acq On : 19 Sep 2018 07:49
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 19 12:21:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 02:17:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	258546	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	330072	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	307792	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	222942	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	155846	46.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.50%	
35) Dibromofluoromethane	5.50	113	143917	47.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.30%	
50) Toluene-d8	8.71	98	466649	46.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.14%	
62) 4-Bromofluorobenzene	11.14	95	174836	48.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.72%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	123185	50.838	ug/l	96
3) Chloromethane	1.32	50	162879	48.843	ug/l	92
4) Vinyl Chloride	1.40	62	171920	50.230	ug/l	98
5) Bromomethane	1.64	94	71313	49.756	ug/l	97
6) Chloroethane	1.71	64	110129	49.757	ug/l	96
7) Trichlorofluoromethane	1.93	101	227754	50.195	ug/l	97
8) Diethyl Ether	2.18	74	105889	52.056	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.38	101	145784	50.648	ug/l	97
10) Methyl Iodide	2.51	142	161572	47.218	ug/l	97
11) Tert butyl alcohol	3.07	59	204197	256.699	ug/l	99
12) 1,1-Dichloroethene	2.37	96	148720	55.051	ug/l	90
13) Acrolein	2.29	56	61232	195.002	ug/l	98
14) Allyl chloride	2.73	41	272798	49.118	ug/l	92
15) Acrylonitrile	3.15	53	483821	252.570	ug/l	97
16) Acetone	2.45	43	359860	221.166	ug/l	93
17) Carbon Disulfide	2.57	76	358798	45.949	ug/l	97
18) Methyl Acetate	2.78	43	246617	54.024	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	513102	54.131	ug/l	93
20) Methylene Chloride	2.85	84	172455	51.667	ug/l	96
21) trans-1,2-Dichloroethene	3.17	96	152514	51.090	ug/l	91
22) Diisopropyl ether	3.87	45	509761	50.961	ug/l	95
23) Vinyl Acetate	3.82	43	2132303	263.414	ug/l	99
24) 1,1-Dichloroethane	3.70	63	299623	53.054	ug/l	98
25) 2-Butanone	4.70	43	607856	234.733	ug/l	100
26) 2,2-Dichloropropane	4.58	77	125560	32.370	ug/l	92
27) cis-1,2-Dichloroethene	4.59	96	181743	54.538	ug/l	95
28) Bromochloromethane	5.03	49	122995	47.612	ug/l	99
29) Tetrahydrofuran	5.15	42	406171	260.089	ug/l	98
30) Chloroform	5.21	83	281231	51.006	ug/l	92
31) Cyclohexane	5.57	56	251782	52.212	ug/l	88
32) 1,1,1-Trichloroethane	5.49	97	238917	53.801	ug/l	98
36) 1,1-Dichloropropene	5.79	75	212230	52.961	ug/l	99
37) Ethyl Acetate	4.85	43	225850	49.555	ug/l	99
38) Carbon Tetrachloride	5.78	117	198969	50.835	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091818\
 Data File : VX004693.D
 Acq On : 19 Sep 2018 07:49
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 19 12:21:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 02:17:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	210541	50.348	ug/l	98
40) Benzene	6.14	78	646813	54.401	ug/l	96
41) Methacrylonitrile	5.06	41	131427	52.338	ug/l	99
42) 1,2-Dichloroethane	6.20	62	204283	51.803	ug/l	100
43) Isopropyl Acetate	6.46	43	314205	51.905	ug/l	98
44) Trichloroethene	7.21	130	164767	53.341	ug/l	96
45) 1,2-Dichloropropane	7.52	63	148213	51.805	ug/l	98
46) Dibromomethane	7.66	93	95583	52.884	ug/l	99
47) Bromodichloromethane	7.90	83	177475	51.924	ug/l	100
48) Methyl methacrylate	7.77	41	156145	52.121	ug/l	97
49) 1,4-Dioxane	7.75	88	75559	1065.633	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	998521	233.741	ug/l	99
52) Toluene	8.79	92	350420	50.024	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	202264	50.658	ug/l	98
54) cis-1,3-Dichloropropene	8.44	75	207150	50.895	ug/l	94
55) 1,1,2-Trichloroethane	9.22	97	174349	57.804	ug/l	97
56) Ethyl methacrylate	9.18	69	260362	61.017	ug/l	96
57) 1,3-Dichloropropane	9.37	76	288451	58.858	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	513127	236.435	ug/l	97
59) 2-Hexanone	9.50	43	887940	270.986	ug/l	98
60) Dibromochloromethane	9.59	129	163516	57.584	ug/l	99
61) 1,2-Dibromoethane	9.67	107	159228	55.261	ug/l	92
64) Tetrachloroethene	9.34	164	241744	62.907	ug/l	93
65) Chlorobenzene	10.14	112	398071	52.067	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.23	131	142730	54.137	ug/l	100
67) Ethyl Benzene	10.25	91	668173	53.748	ug/l	98
68) m/p-Xylenes	10.36	106	527954	110.251	ug/l	99
69) o-Xylene	10.70	106	257751	55.987	ug/l	100
70) Styrene	10.71	104	436433	57.222	ug/l	99
71) Bromoform	10.86	173	119020	54.980	ug/l	99
73) Isopropylbenzene	11.02	105	685820	46.709	ug/l	100
74) N-amyl acetate	10.90	43	280872	45.448	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	202962	42.855	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	245303	54.689	ug/l	86
77) Bromobenzene	11.26	156	185882	45.803	ug/l	99
78) n-propylbenzene	11.36	91	774946	45.903	ug/l	99
79) 2-Chlorotoluene	11.42	91	461400	45.063	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	602220	48.790	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	56285	39.998	ug/l	93
82) 4-Chlorotoluene	11.51	91	558634	46.747	ug/l	98
83) tert-Butylbenzene	11.77	119	678009	57.697	ug/l	97
84) 1,2,4-Trimethylbenzene	11.80	105	729120	57.856	ug/l	99
85) sec-Butylbenzene	11.95	105	849139	56.705	ug/l	98
86) p-Isopropyltoluene	12.07	119	797162	60.283	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	418779	55.307	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	427199	54.602	ug/l	99
89) n-Butylbenzene	12.39	91	606753	50.352	ug/l	99
90) Hexachloroethane	12.60	117	114479	54.077	ug/l	94
91) 1,2-Dichlorobenzene	12.39	146	385668	50.323	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	55777	55.157	ug/l	95

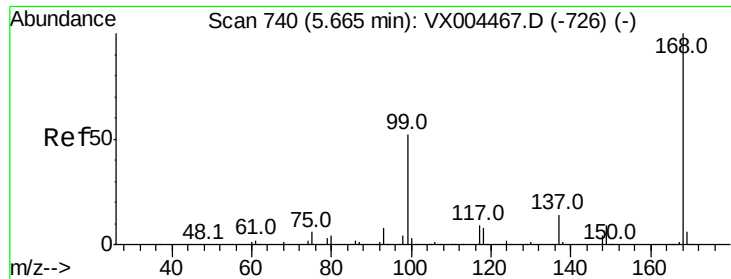
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX091818\
Data File : VX004693.D
Acq On : 19 Sep 2018 07:49
Operator : JC/MD
Sample : VSTDCCC050EC
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 52 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Sep 19 12:21:55 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 12 02:17:23 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	324206	59.744	ug/l	98
94) Hexachlorobutadiene	13.79	225	149058	52.585	ug/l	94
95) Naphthalene	13.83	128	953008	62.615	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	325122	58.317	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: VX004693.D

Acq: 19 Sep 2018 07:49

Instrument :

MSVOA_X

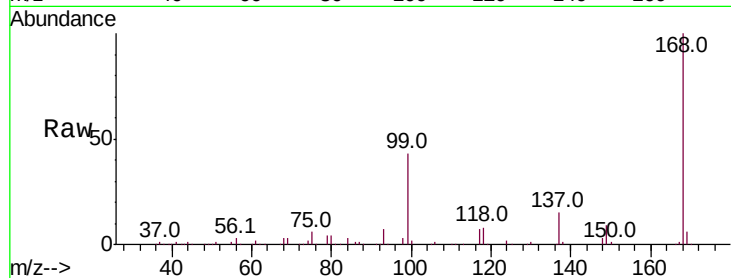
ClientSampleId :

Tot Ion:168 Resp: 258546

Ion Ratio Lower Upper

168 100

99 42.5 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

60000

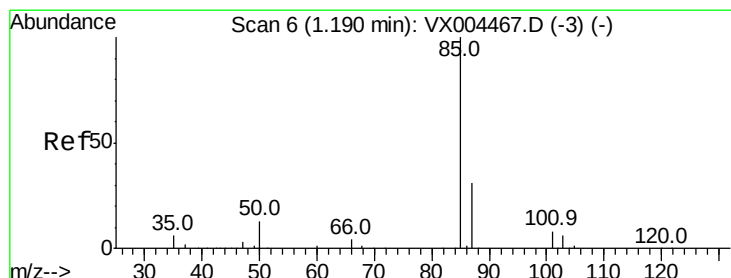
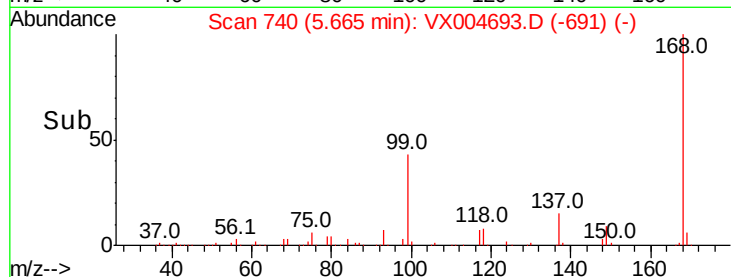
40000

20000

0

Time-->

5.50 5.60 5.70 5.80 5.90



#2

Dichlorodifluoromethane

Concen: 50.838 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.01 min

Lab File: VX004693.D

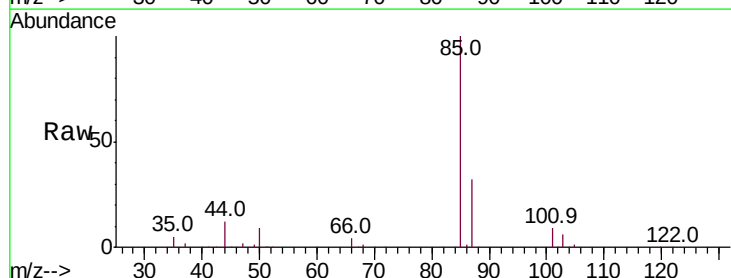
Acq: 19 Sep 2018 07:49

Tgt Ion: 85 Resp: 123185

Ion Ratio Lower Upper

85 100

87 31.8 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

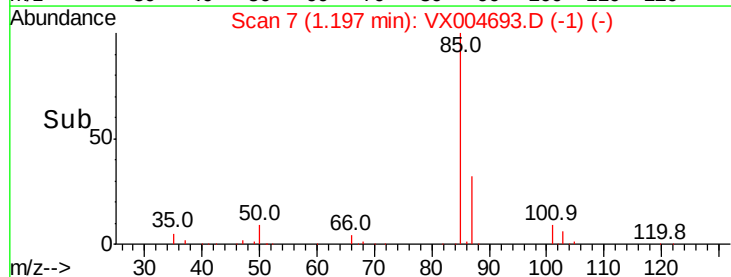
100000

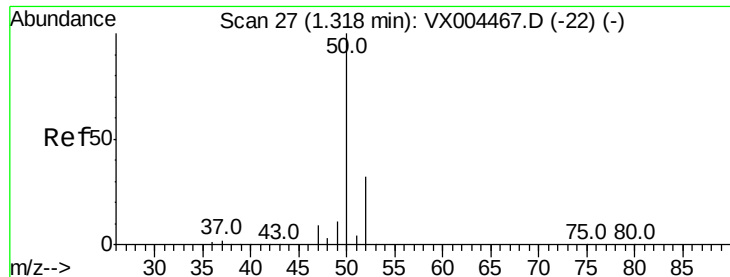
50000

0

Time-->

1.10 1.20 1.30





#3

Chloromethane

Concen: 48.843 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.01 min

Lab File: VX004693.D

Acq: 19 Sep 2018 07:49

Instrument :

MSVOA_X

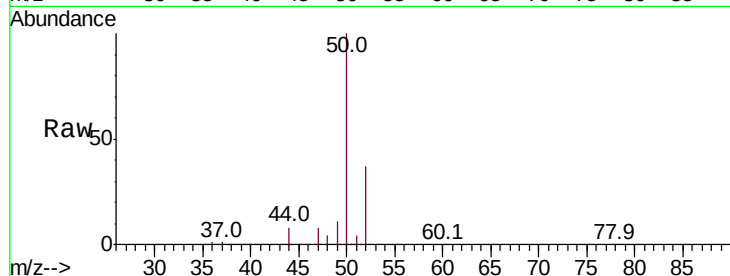
ClientSampleId :

Tot Ion: 50 Resp: 162879

Ion Ratio Lower Upper

50 100

52 37.4 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

150000

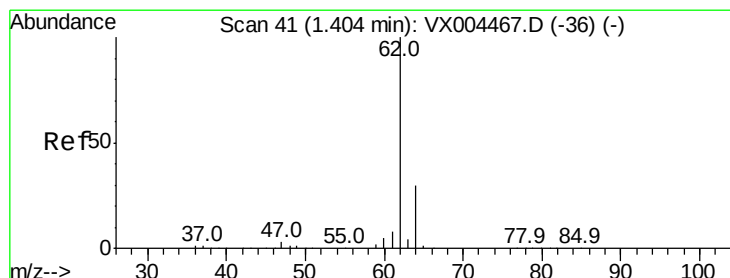
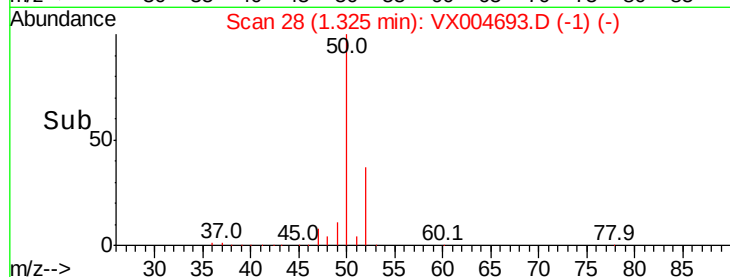
100000

50000

0

1.30 1.35 1.40

Time-->



#4

Vinyl Chloride

Concen: 50.230 ug/l

RT: 1.40 min Scan# 41

Delta R.T. 0.00 min

Lab File: VX004693.D

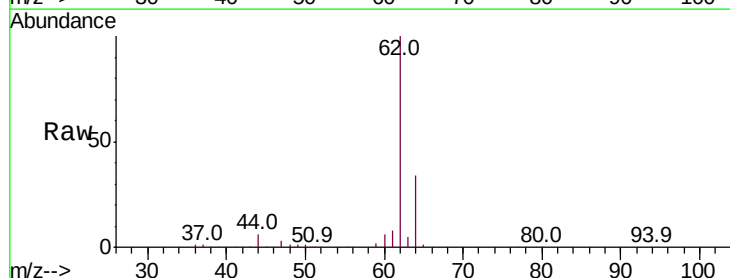
Acq: 19 Sep 2018 07:49

Tgt Ion: 62 Resp: 171920

Ion Ratio Lower Upper

62 100

64 33.6 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.40

150000

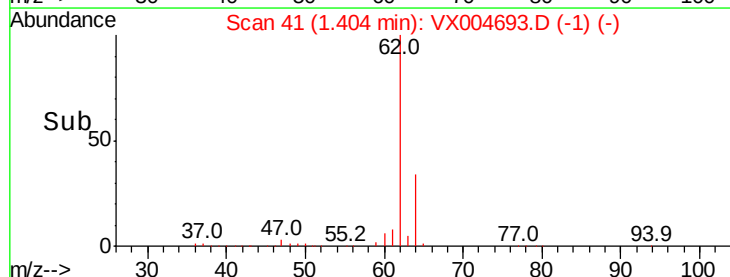
100000

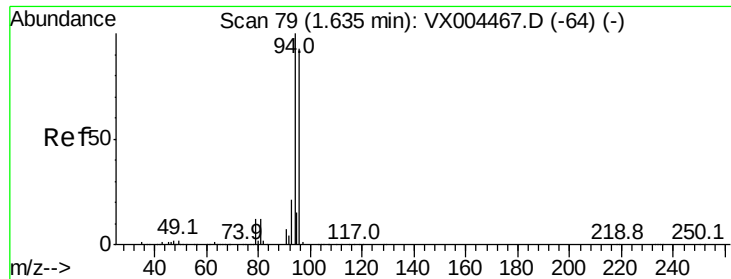
50000

0

1.40 1.50

Time-->





#5

Bromomethane

Concen: 49.756 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX004693.D

Acq: 19 Sep 2018 07:49

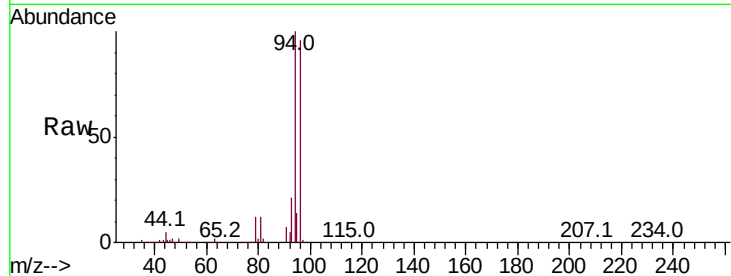
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 94 Resp: 71313

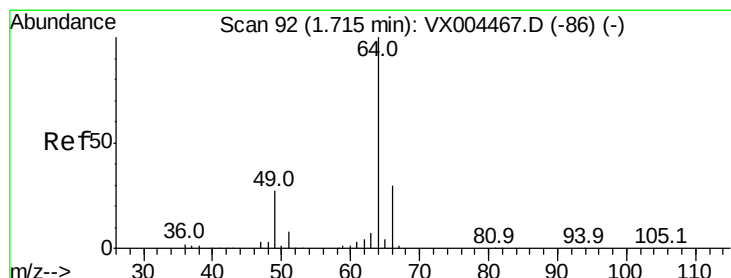
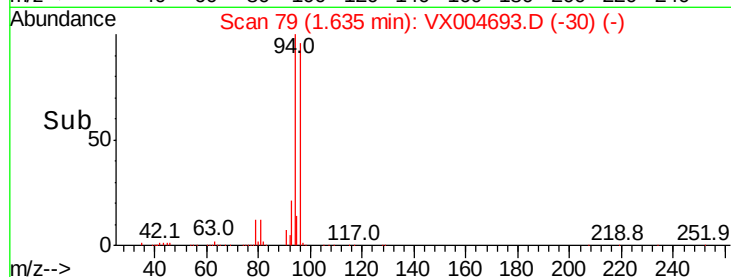
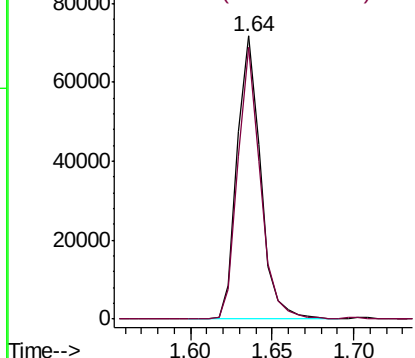
Ion Ratio Lower Upper

94 100

96 96.2 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VX0
Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 49.757 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX004693.D

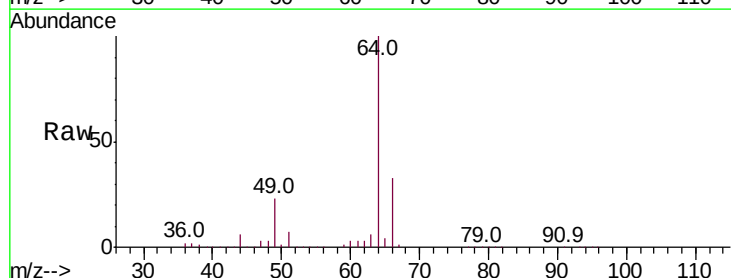
Acq: 19 Sep 2018 07:49

Tgt Ion: 64 Resp: 110129

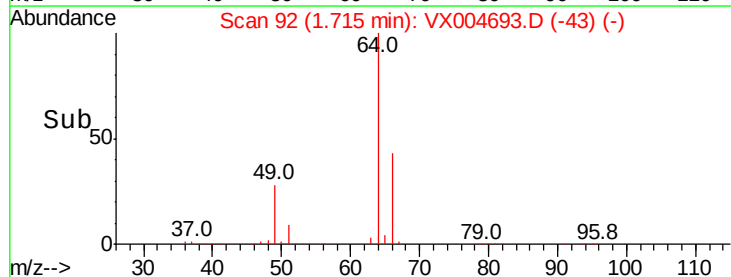
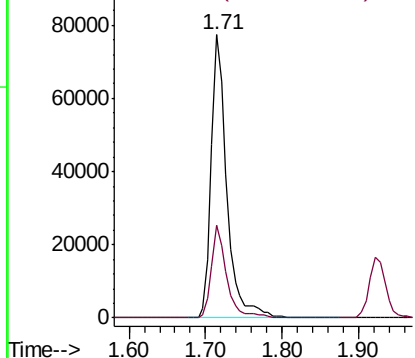
Ion Ratio Lower Upper

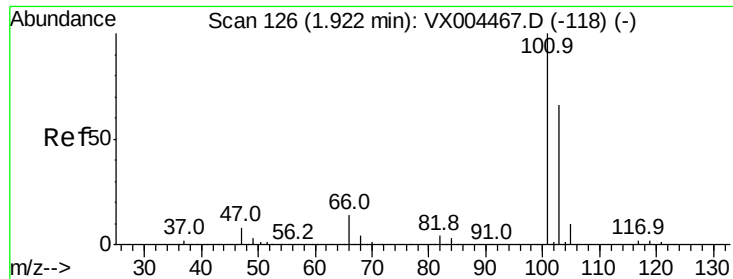
64 100

66 32.8 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX0
Ion 65.90 (65.60 to 66.60): VX0



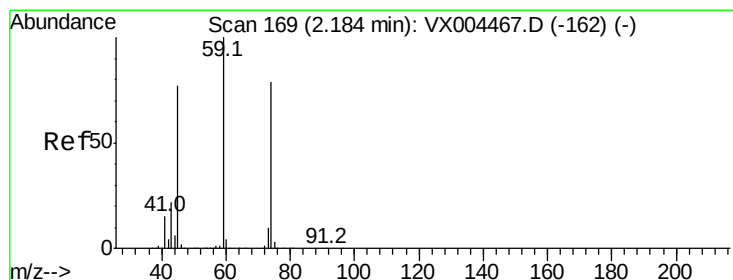
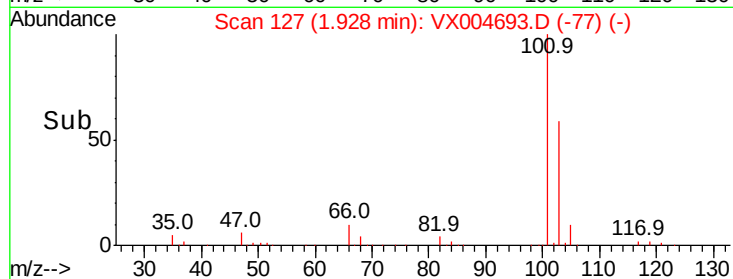
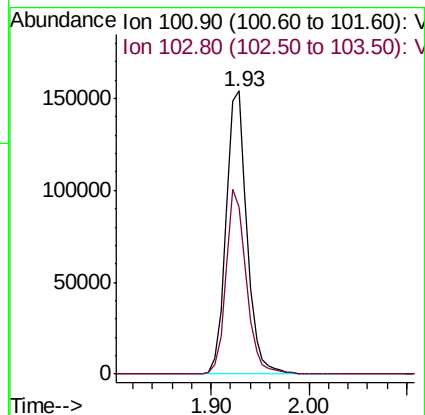
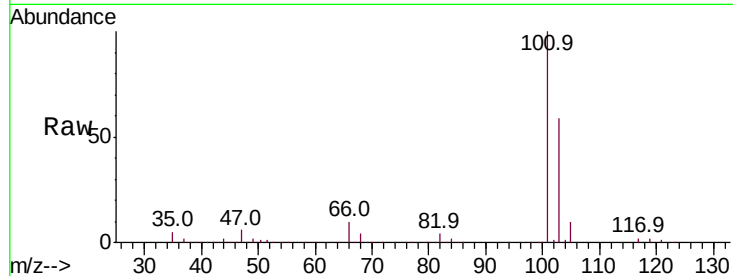


#7

Trichlorofluoromethane
 Concen: 50.195 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. 0.01 min
 Lab File: VX004693.D
 Acq: 19 Sep 2018 07:49

Instrument :
 MSVOA_X
 ClientSampleId :

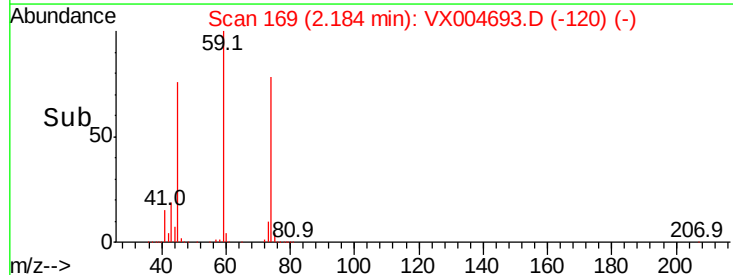
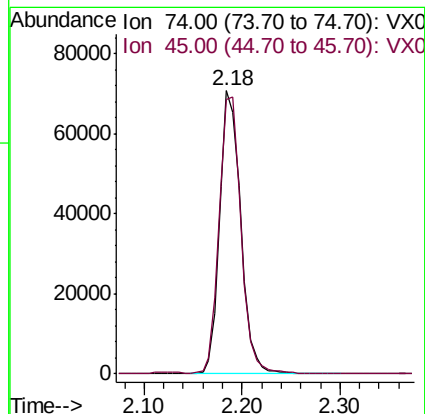
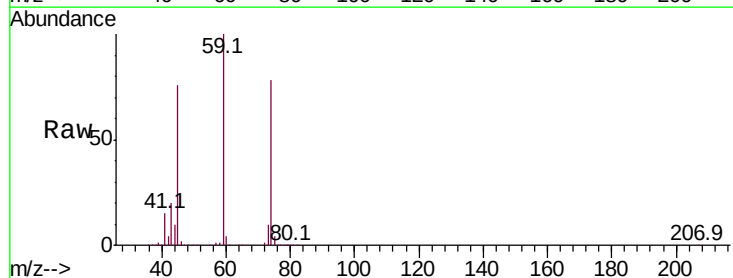
Tot Ion:101 Resp: 227754
 Ion Ratio Lower Upper
 101 100
 103 58.9 48.9 73.3

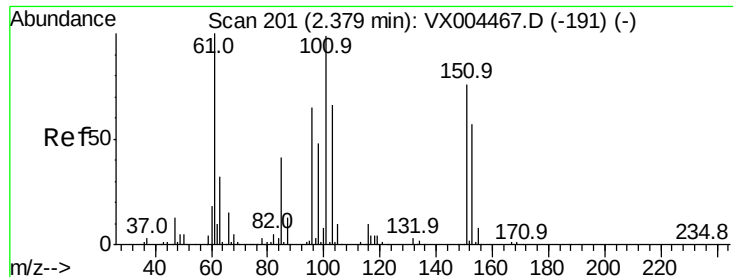


#8

Diethyl Ether
 Concen: 52.056 ug/l
 RT: 2.18 min Scan# 169
 Delta R.T. 0.00 min
 Lab File: VX004693.D
 Acq: 19 Sep 2018 07:49

Tgt Ion: 74 Resp: 105889
 Ion Ratio Lower Upper
 74 100
 45 100.7 48.3 144.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.648 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX004693.D

Acq: 19 Sep 2018 07:49

Instrument :

MSVOA_X

ClientSampleId :

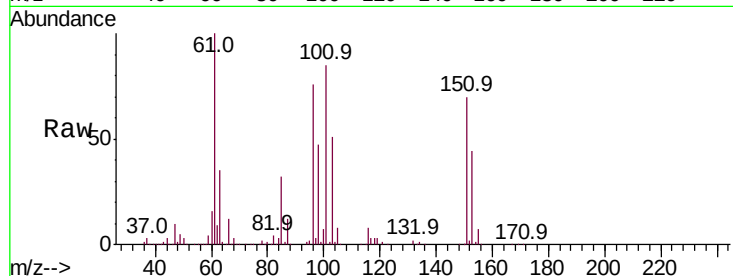
Tot Ion:101 Resp: 145784

Ion Ratio Lower Upper

101 100

85 39.1 34.2 51.4

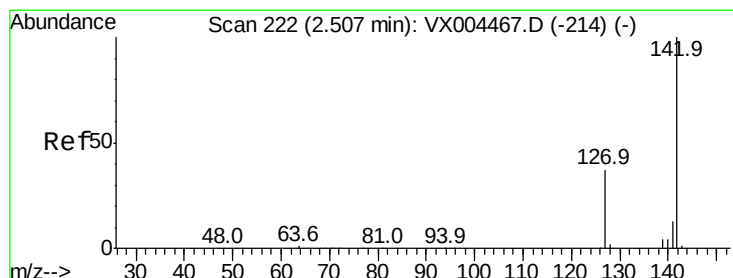
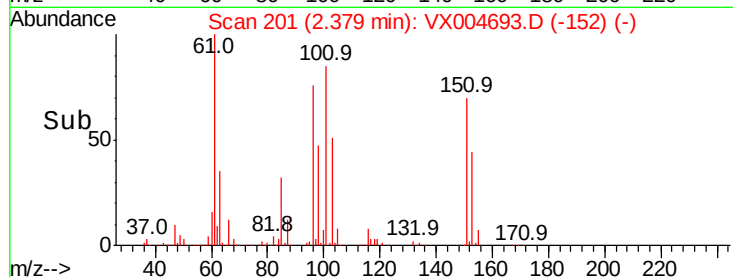
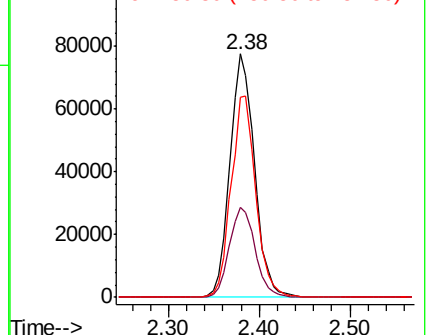
151 83.0 65.0 97.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 47.218 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX004693.D

Acq: 19 Sep 2018 07:49

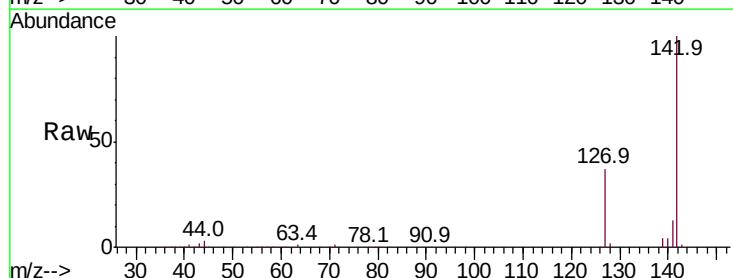
Tgt Ion:142 Resp: 161572

Ion Ratio Lower Upper

142 100

127 39.5 33.8 50.6

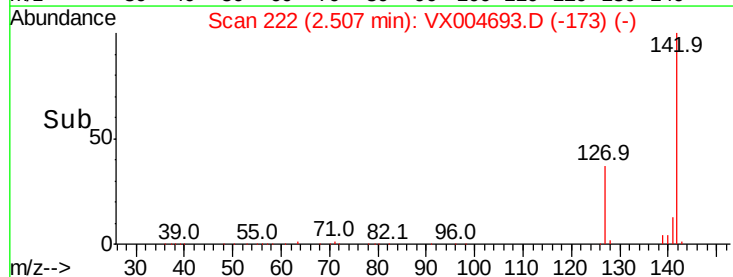
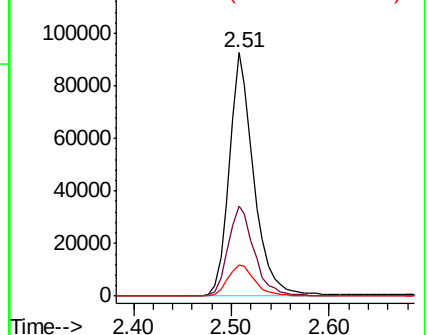
141 14.1 11.4 17.0

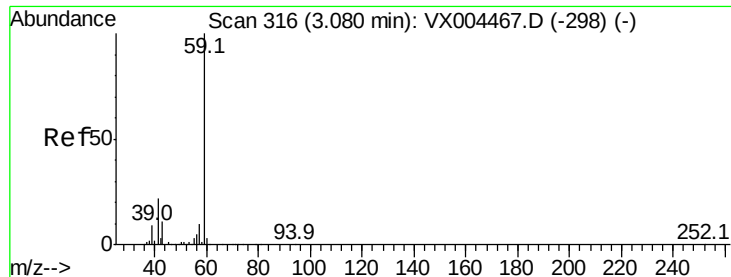


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



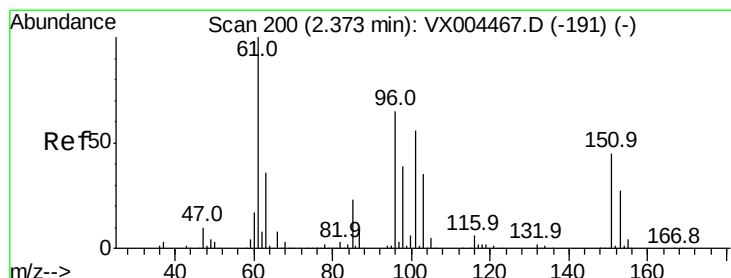
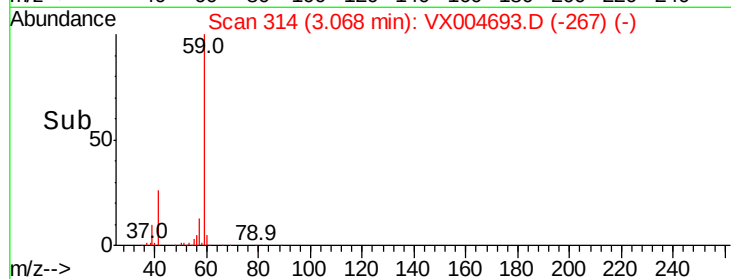
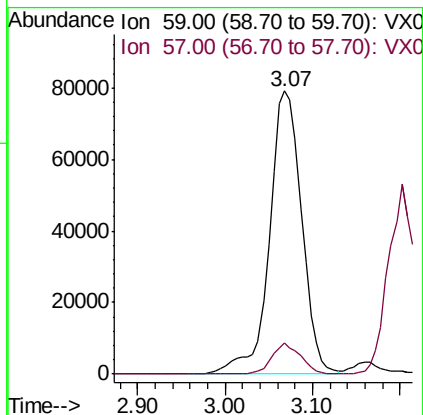
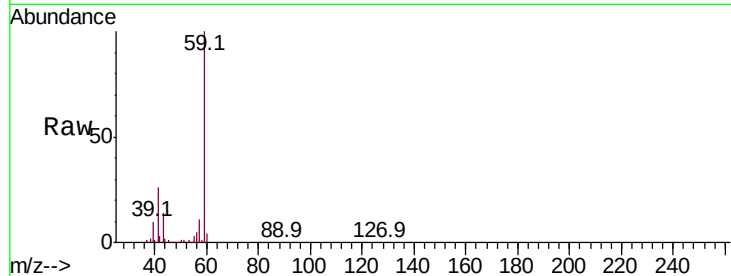


#11

Tert butyl alcohol
Concen: 256.699 ug/l
RT: 3.07 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX004693.D
Acq: 19 Sep 2018 07:49

Instrument :
MSVOA_X
ClientSampleId :

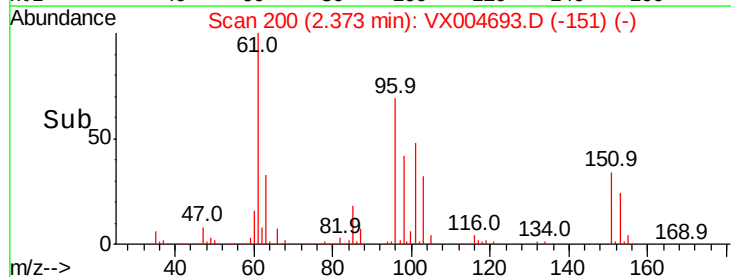
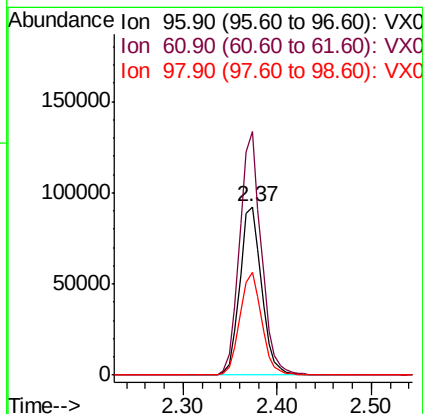
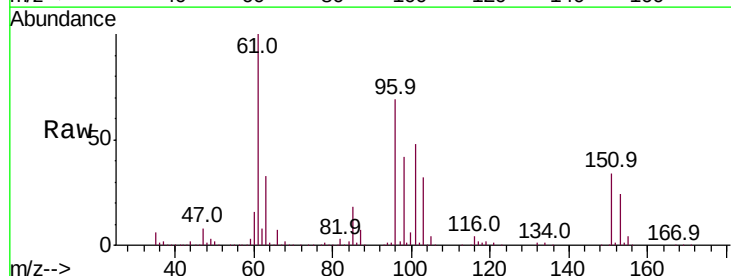
Tot Ion: 59 Resp: 204197
Ion Ratio Lower Upper
59 100
57 9.8 8.2 12.4

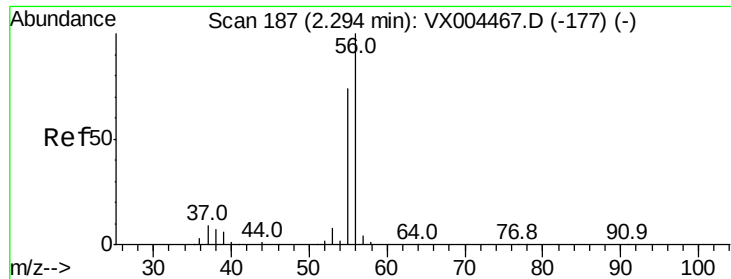


#12

1,1-Dichloroethene
Concen: 55.051 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX004693.D
Acq: 19 Sep 2018 07:49

Tgt Ion: 96 Resp: 148720
Ion Ratio Lower Upper
96 100
61 144.8 128.8 193.2
98 60.8 52.2 78.2





#13

Acrolein

Concen: 195.002 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX004693.D

Acq: 19 Sep 2018 07:49

Instrument :

MSVOA_X

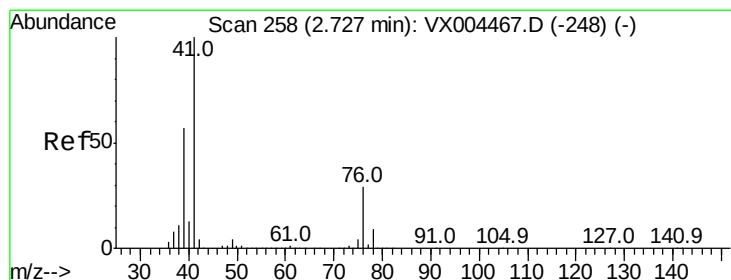
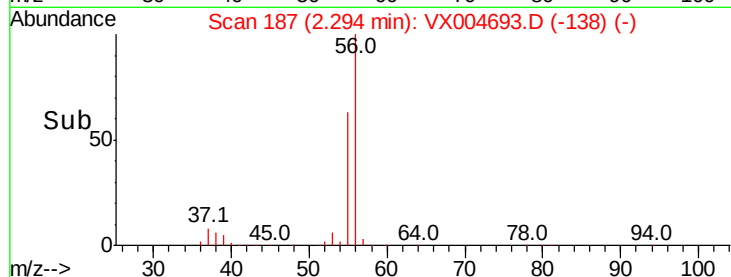
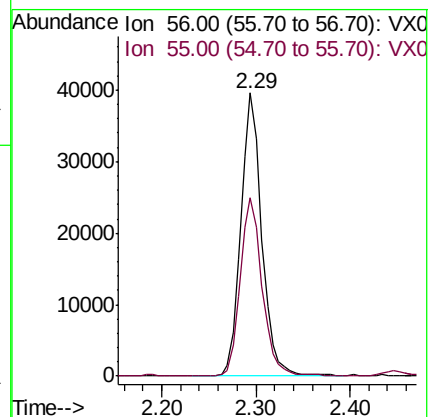
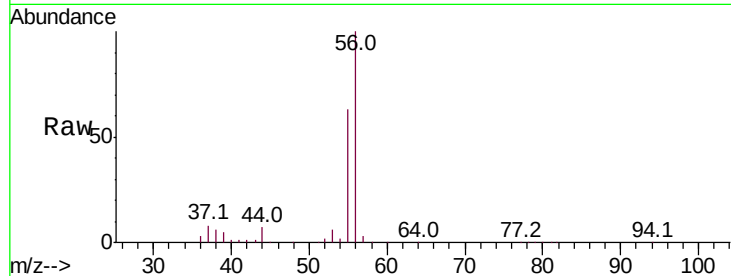
ClientSampleId :

Tot Ion: 56 Resp: 61232

Ion Ratio Lower Upper

56 100

55 66.7 54.7 82.1



#14

Allyl chloride

Concen: 49.118 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX004693.D

Acq: 19 Sep 2018 07:49

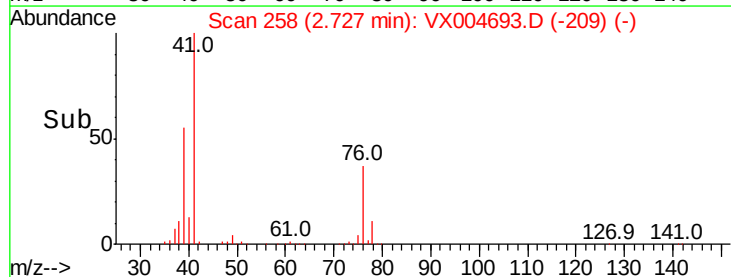
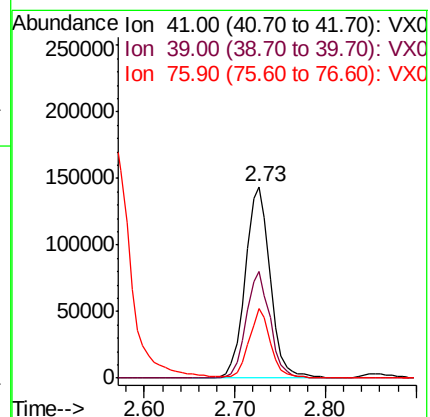
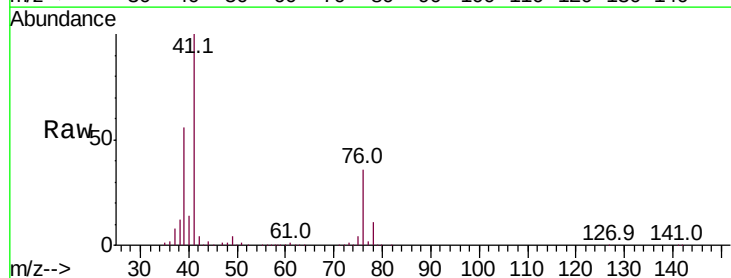
Tgt Ion: 41 Resp: 272798

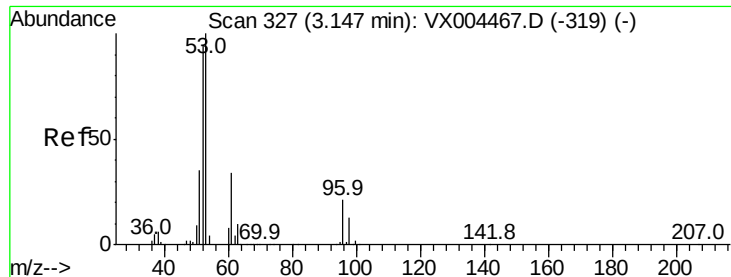
Ion Ratio Lower Upper

41 100

39 53.3 48.9 73.3

76 31.4 26.7 40.1





#15

Acrylonitrile

Concen: 252.570 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.01 min

Lab File: VX004693.D

Acq: 19 Sep 2018 07:49

Instrument :

MSVOA_X

ClientSampleId :

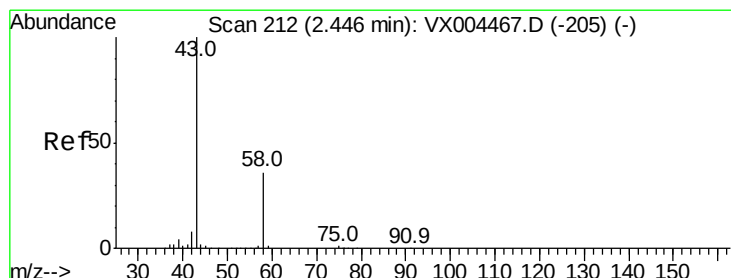
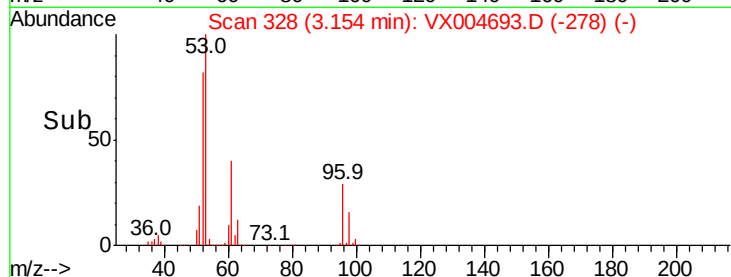
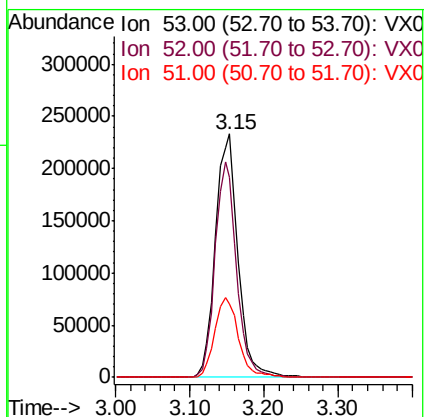
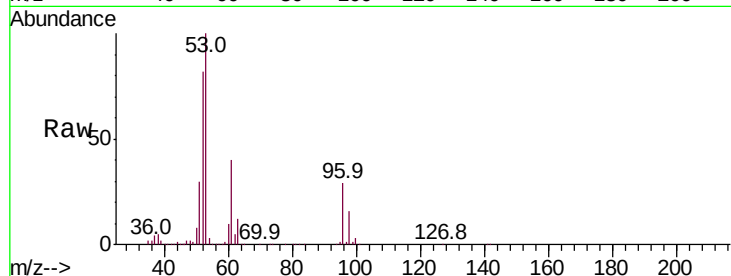
Tot Ion: 53 Resp: 483821

Ion Ratio Lower Upper

53 100

52 84.5 65.2 97.8

51 34.7 28.2 42.2



#16

Acetone

Concen: 221.166 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX004693.D

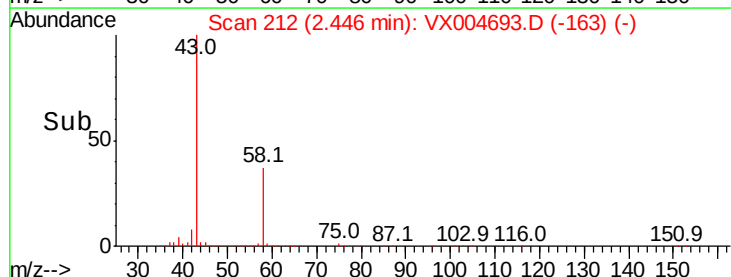
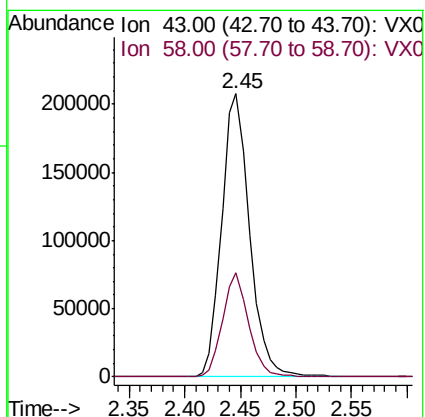
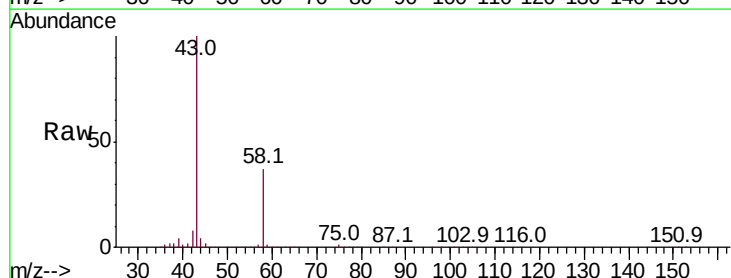
Acq: 19 Sep 2018 07:49

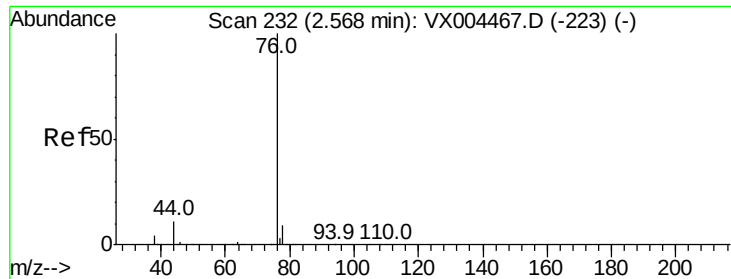
Tgt Ion: 43 Resp: 359860

Ion Ratio Lower Upper

43 100

58 36.9 26.2 39.4





#17

Carbon Disulfide

Concen: 45.949 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX004693.D

Acq: 19 Sep 2018 07:49

Instrument :

MSVOA_X

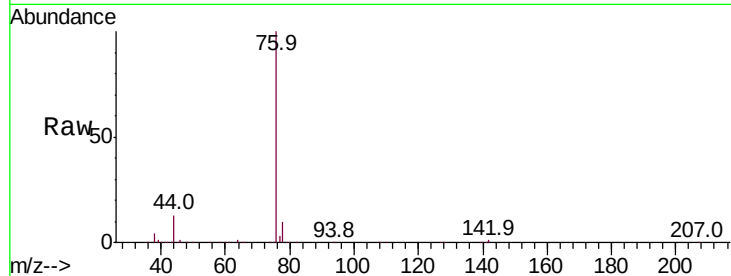
ClientSampled :

Tot Ion: 76 Resp: 358798

Ion Ratio Lower Upper

76 100

78 9.9 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

200000

150000

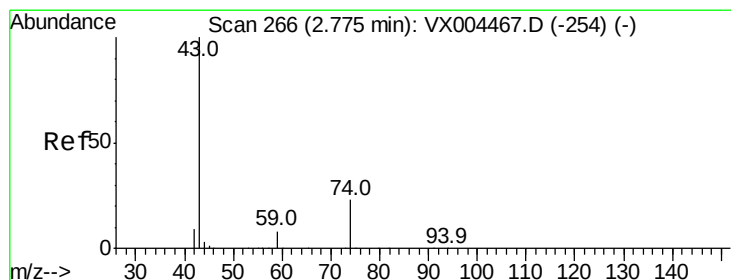
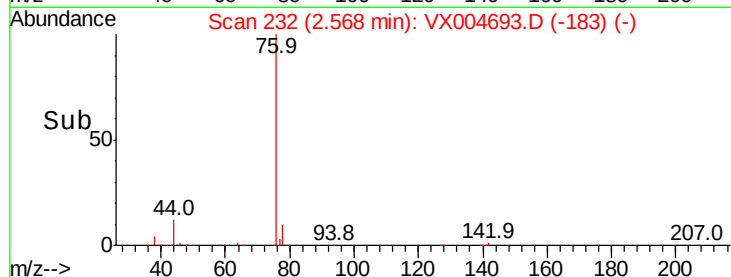
100000

50000

0

Time-->

2.50 2.60 2.70



#18

Methyl Acetate

Concen: 54.024 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX004693.D

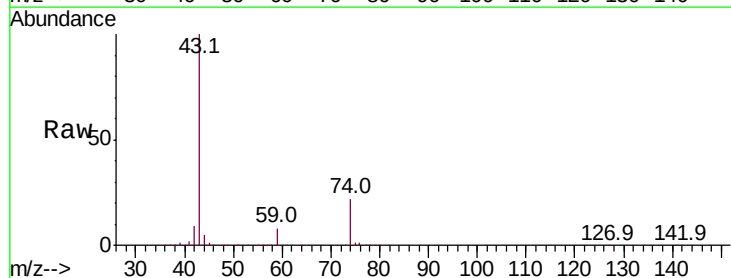
Acq: 19 Sep 2018 07:49

Tgt Ion: 43 Resp: 246617

Ion Ratio Lower Upper

43 100

74 23.8 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

150000

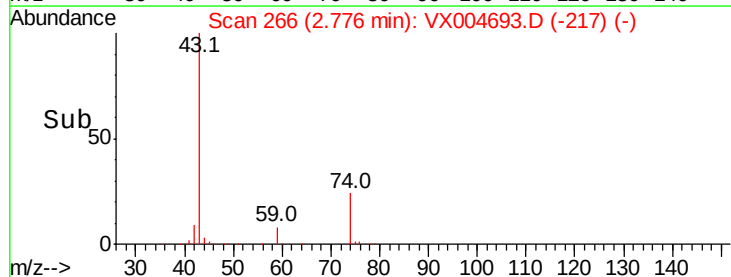
100000

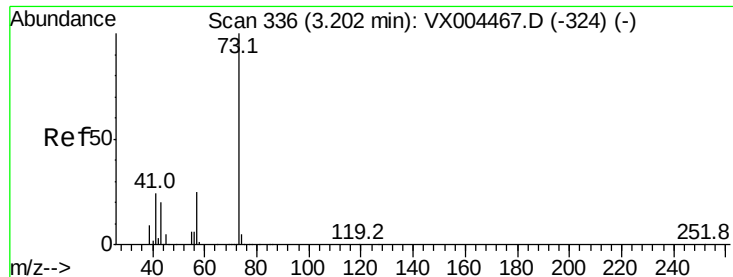
50000

0

Time-->

2.70 2.80 2.90

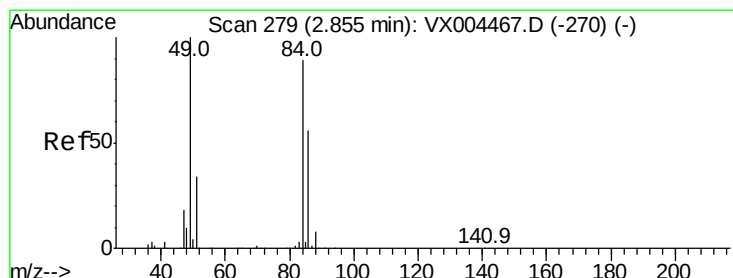
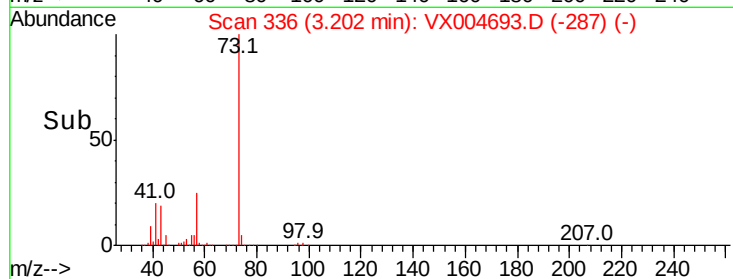
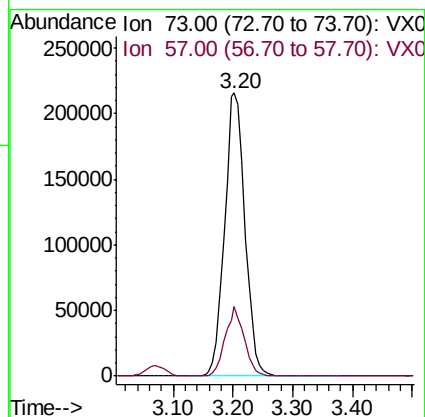
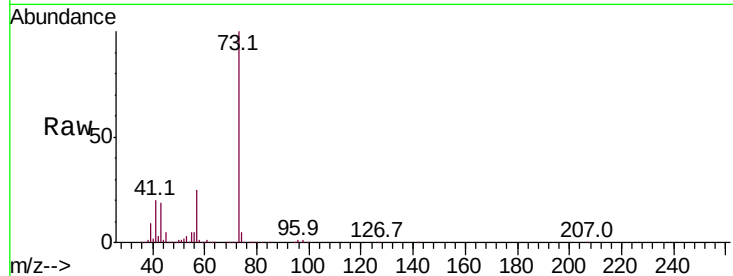




#19
Methvl tert-butvl Ether
Concen: 54.131 ug/l
RT: 3.20 min Scan# 336
Delta R.T. 0.00 min
Lab File: VX004693.D
Acq: 19 Sep 2018 07:49

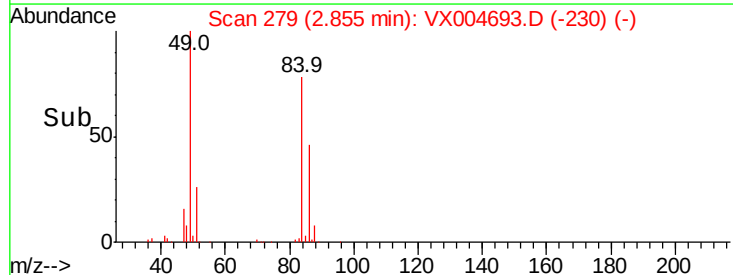
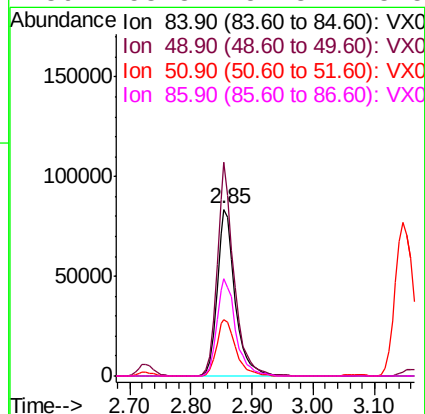
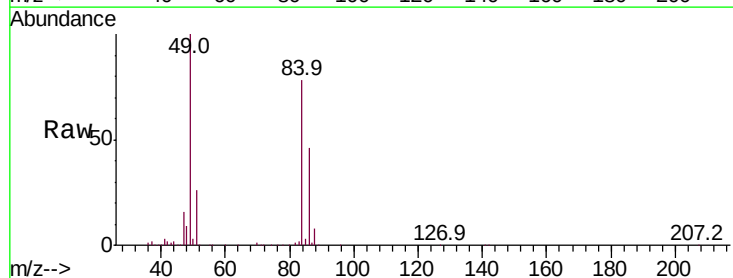
Instrument :
MSVOA_X
ClientSampleId :

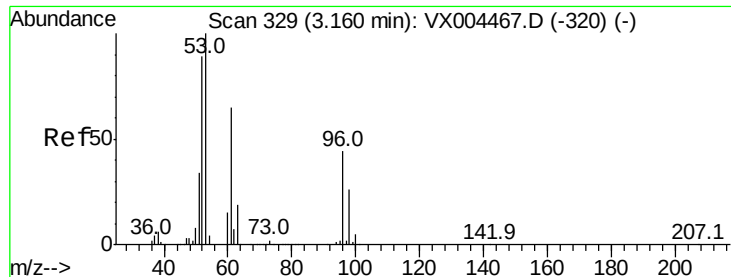
Tot Ion: 73 Resp: 513102
Ion Ratio Lower Upper
73 100
57 24.7 17.1 25.7



#20
Methylene Chloride
Concen: 51.667 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX004693.D
Acq: 19 Sep 2018 07:49

Tgt Ion: 84 Resp: 172455
Ion Ratio Lower Upper
84 100
49 128.1 101.2 151.8
51 33.4 29.5 44.3
86 58.8 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 51.090 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX004693.D

Acq: 19 Sep 2018 07:49

Instrument :

MSVOA_X

ClientSampleId :

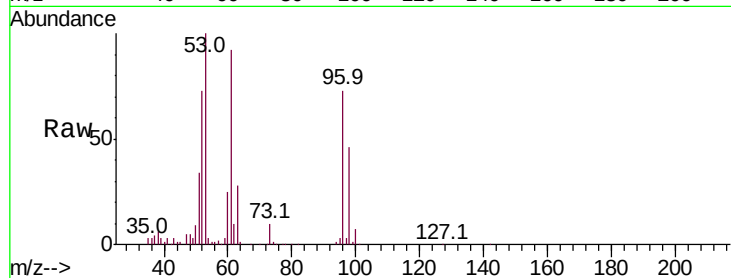
Tot Ion: 96 Resp: 152514

Ion Ratio Lower Upper

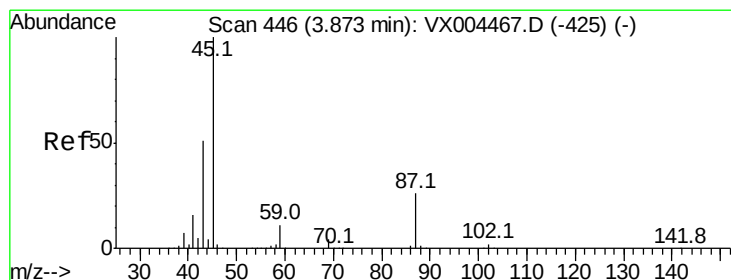
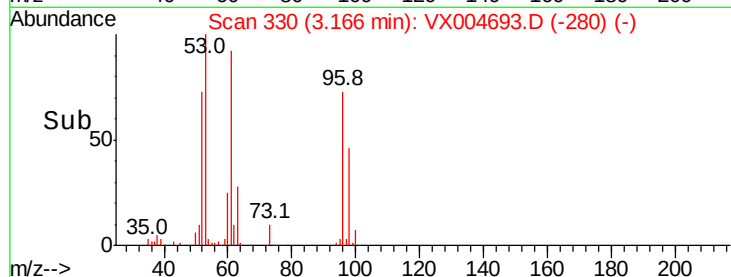
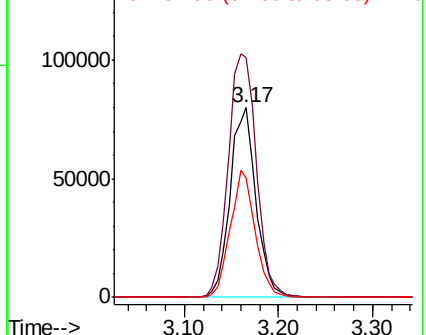
96 100

61 126.4 113.8 170.6

98 63.4 51.8 77.8



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



#22

Diisopropyl ether

Concen: 50.961 ug/l

RT: 3.87 min Scan# 445

Delta R.T. -0.01 min

Lab File: VX004693.D

Acq: 19 Sep 2018 07:49

Tgt Ion: 45 Resp: 509761

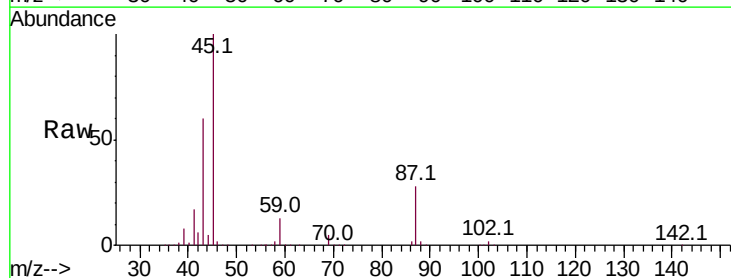
Ion Ratio Lower Upper

45 100

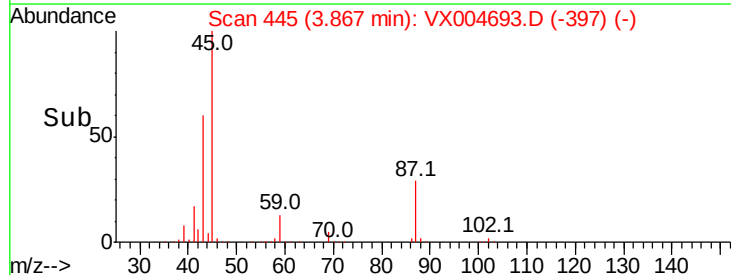
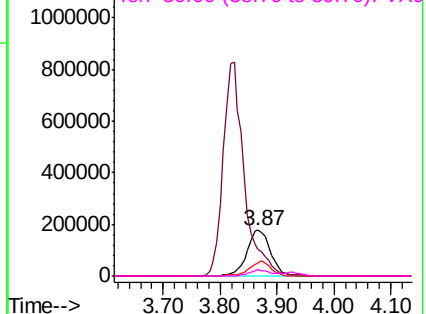
43 59.6 42.8 64.2

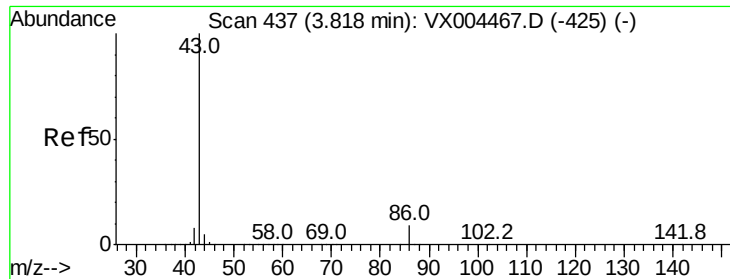
87 28.5 22.6 34.0

59 12.6 9.6 14.4



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





#23

Vinyl Acetate

Concen: 263.414 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.01 min

Lab File: VX004693.D

Acq: 19 Sep 2018 07:49

Instrument :

MSVOA_X

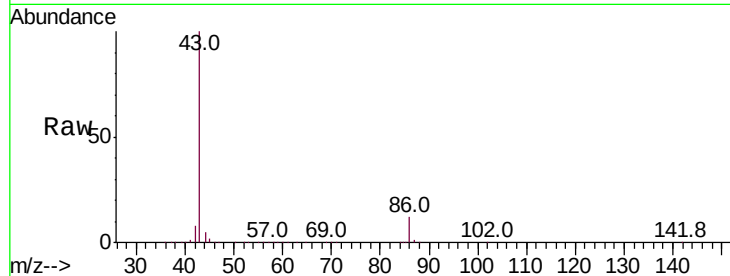
ClientSampleId :

Tot Ion: 43 Resp: 2132303

Ion Ratio Lower Upper

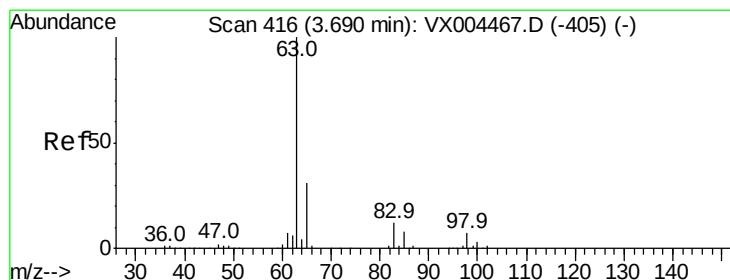
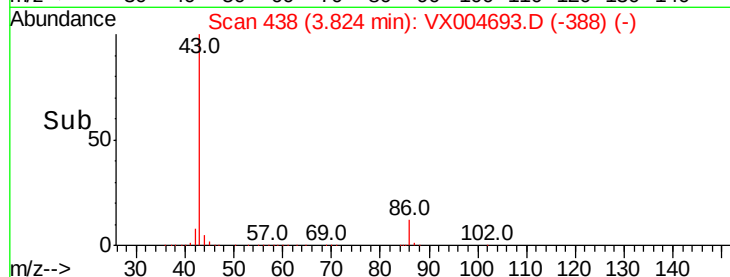
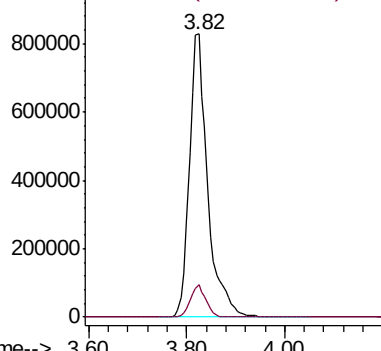
43 100

86 11.6 8.9 13.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 53.054 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.01 min

Lab File: VX004693.D

Acq: 19 Sep 2018 07:49

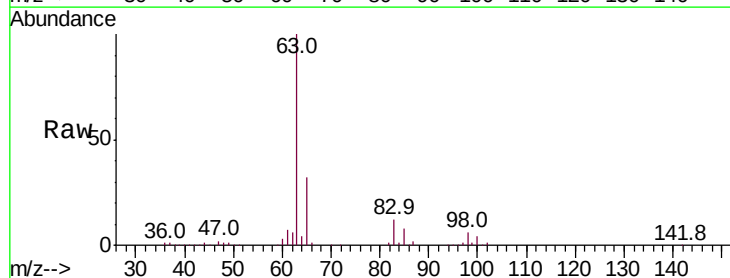
Tgt Ion: 63 Resp: 299623

Ion Ratio Lower Upper

63 100

98 6.3 3.5 10.4

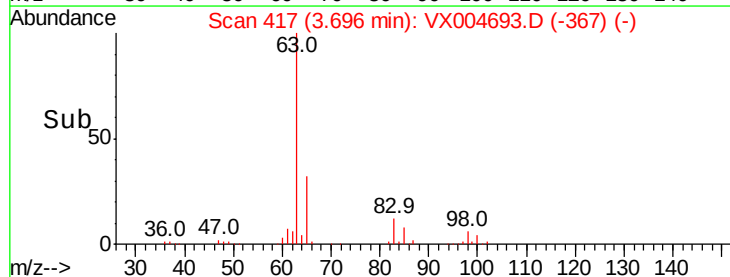
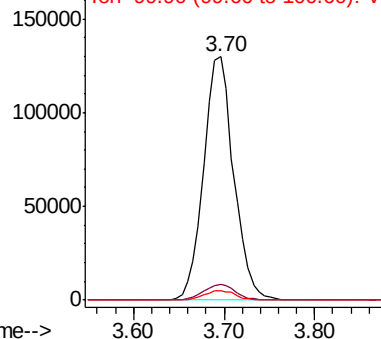
100 4.1 2.4 7.1

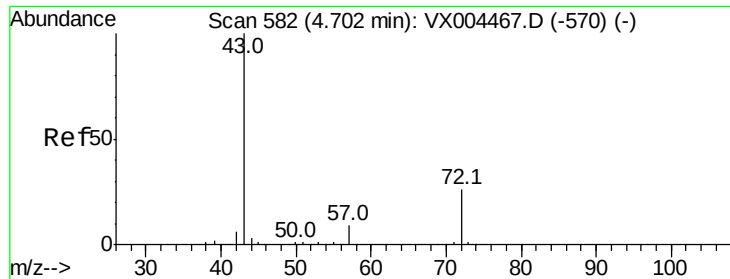


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 234.733 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX004693.D

Acq: 19 Sep 2018 07:49

Instrument :

MSVOA_X

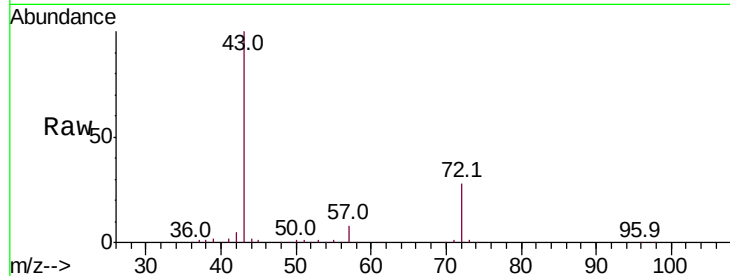
ClientSampled :

Tot Ion: 43 Resp: 607856

Ion Ratio Lower Upper

43 100

72 27.6 22.0 33.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

250000

200000

150000

100000

50000

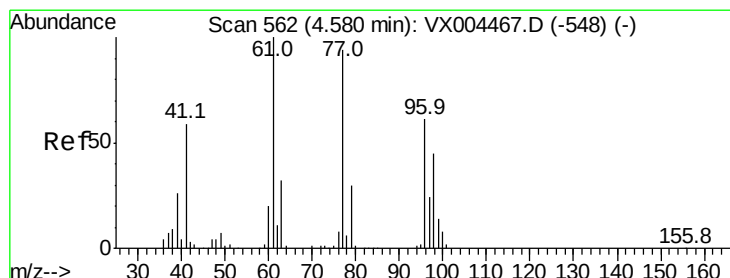
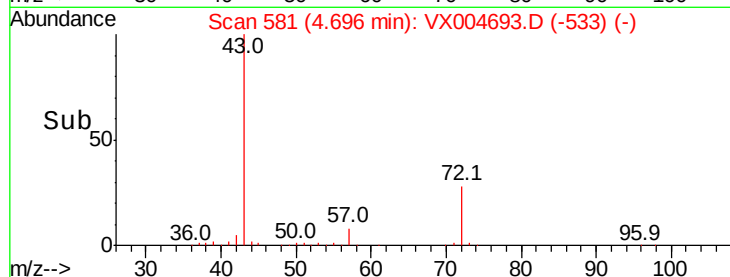
0

4.60

4.70

4.80

Time-->



#26

2,2-Dichloropropane

Concen: 32.370 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX004693.D

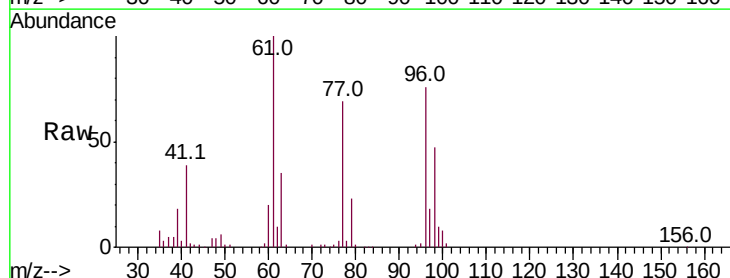
Acq: 19 Sep 2018 07:49

Tgt Ion: 77 Resp: 125560

Ion Ratio Lower Upper

77 100

97 27.4 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

40000

30000

20000

10000

0

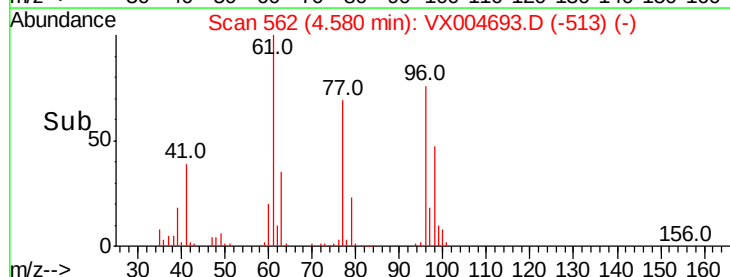
4.40

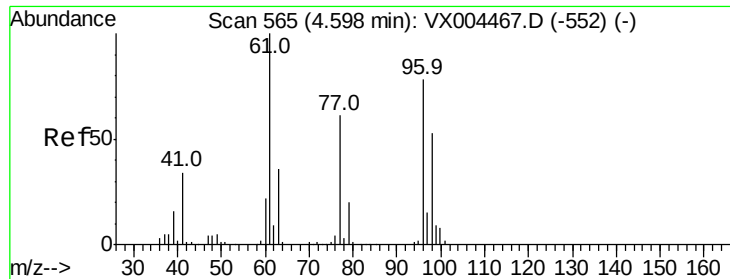
4.50

4.60

4.70

Time-->



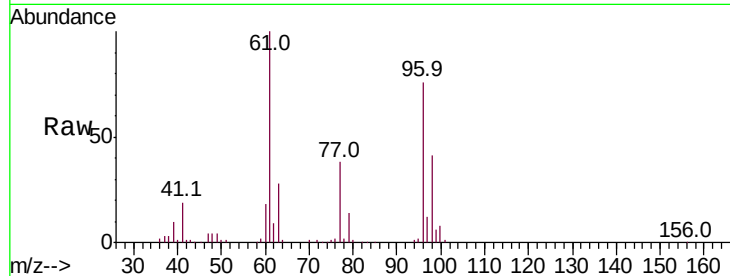


#27

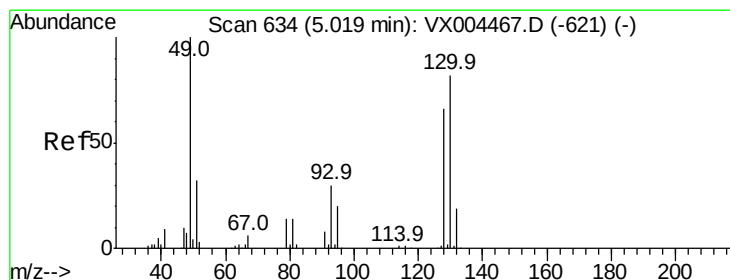
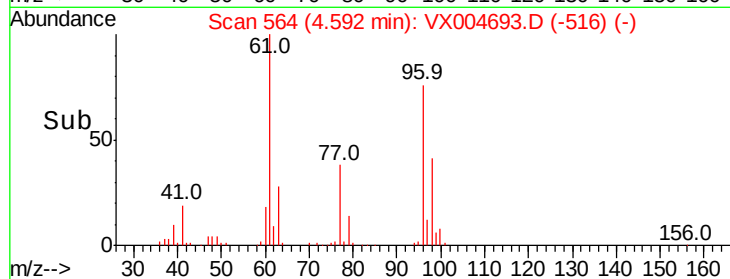
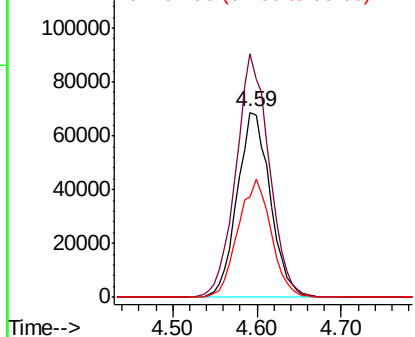
cis-1,2-Dichloroethene
Concen: 54.538 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.01 min
Lab File: VX004693.D
Acq: 19 Sep 2018 07:49

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 96 Resp: 181743
Ion Ratio Lower Upper
96 100
61 132.8 0.0 282.6
98 64.3 0.0 130.2



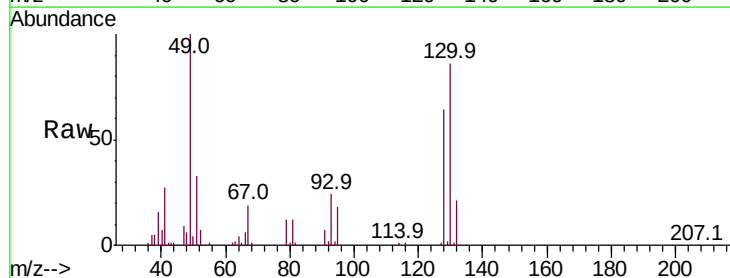
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



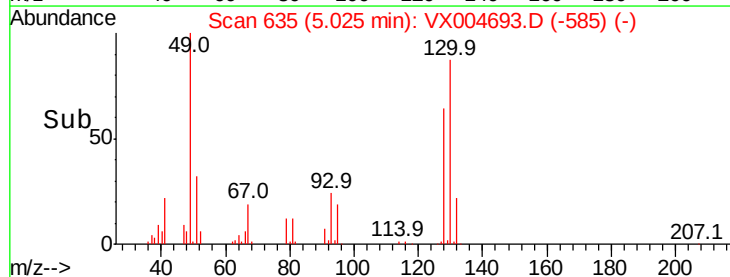
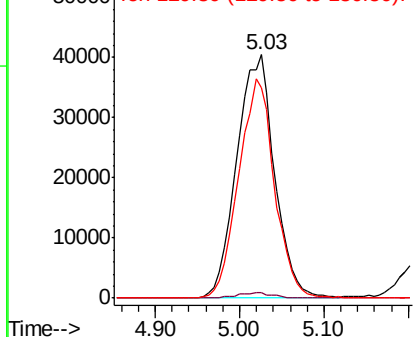
#28

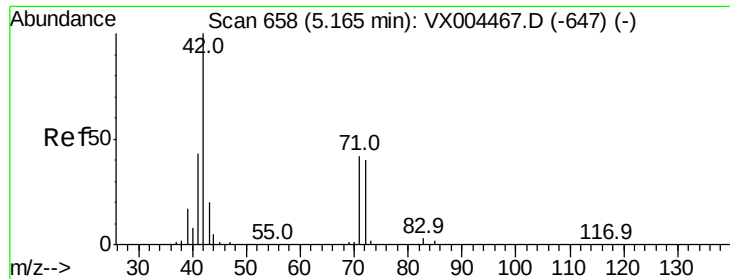
Bromochloromethane
Concen: 47.612 ug/l
RT: 5.03 min Scan# 635
Delta R.T. 0.01 min
Lab File: VX004693.D
Acq: 19 Sep 2018 07:49

Tgt Ion: 49 Resp: 122995
Ion Ratio Lower Upper
49 100
129 2.1 0.0 4.2
130 85.4 67.5 101.3



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





#29

Tetrahydrofuran

Concen: 260.089 ug/l

RT: 5.15 min Scan# 656

Delta R.T. -0.01 min

Lab File: VX004693.D

Acq: 19 Sep 2018 07:49

Instrument :

MSVOA_X

ClientSampleId :

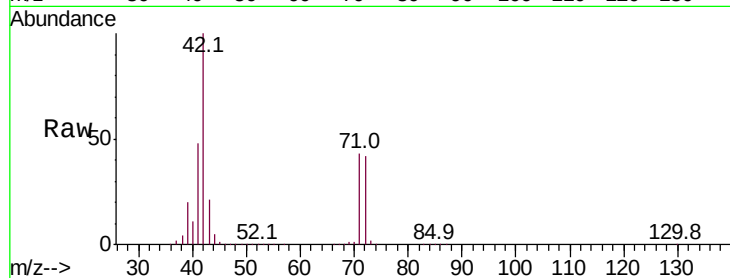
Tot Ion: 42 Resp: 406171

Ion Ratio Lower Upper

42 100

72 45.1 37.4 56.0

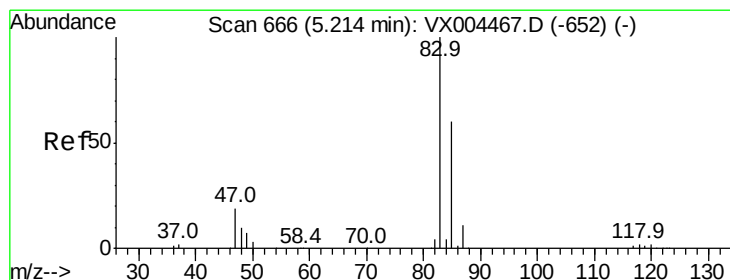
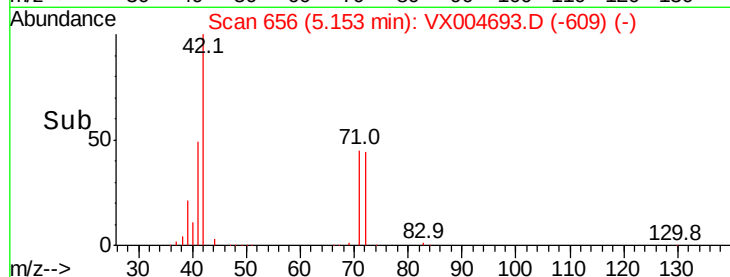
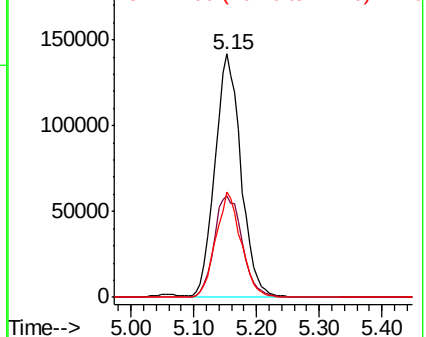
71 42.1 34.5 51.7



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#30

Chloroform

Concen: 51.006 ug/l

RT: 5.21 min Scan# 666

Delta R.T. 0.00 min

Lab File: VX004693.D

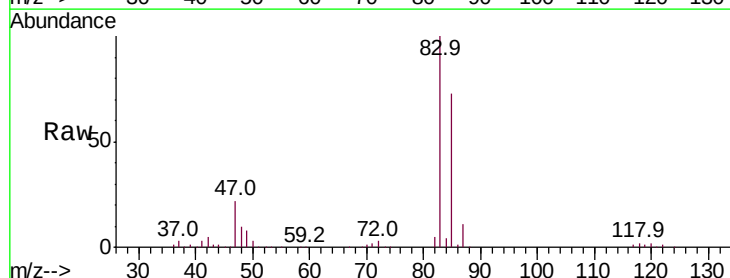
Acq: 19 Sep 2018 07:49

Tgt Ion: 83 Resp: 281231

Ion Ratio Lower Upper

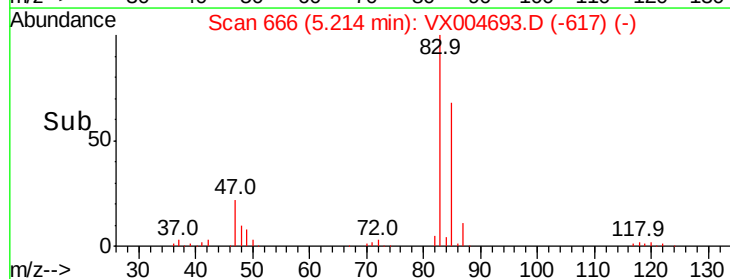
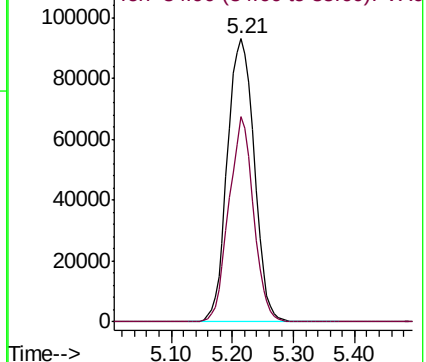
83 100

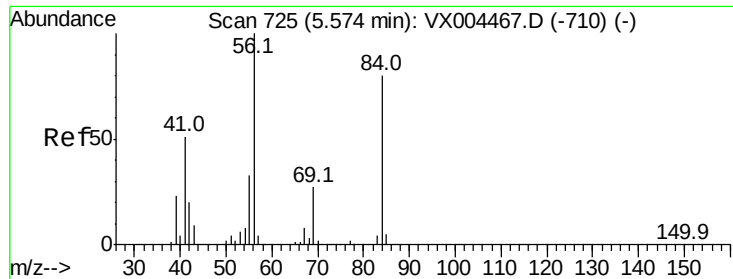
85 72.5 52.6 79.0



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

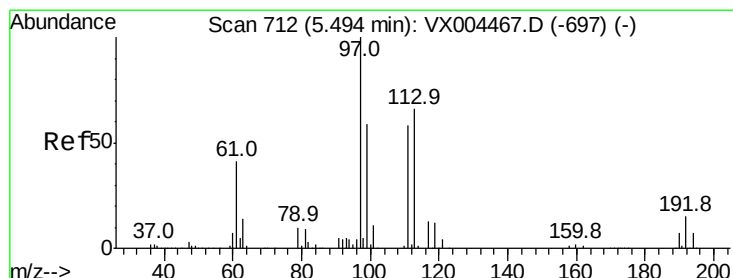
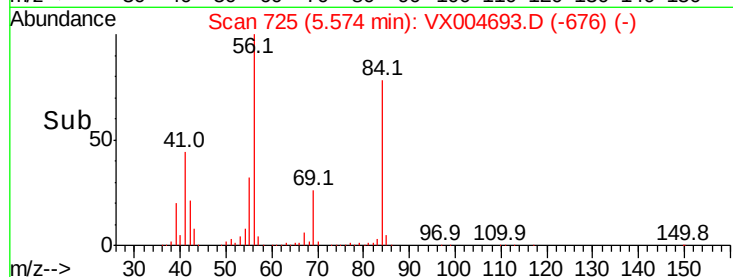
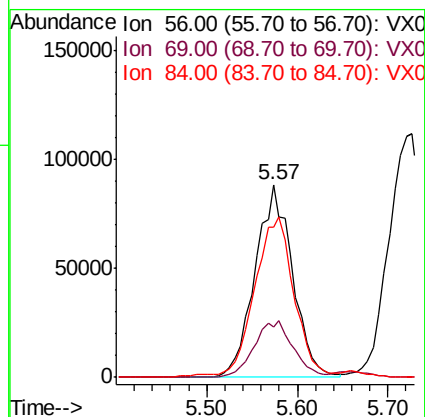
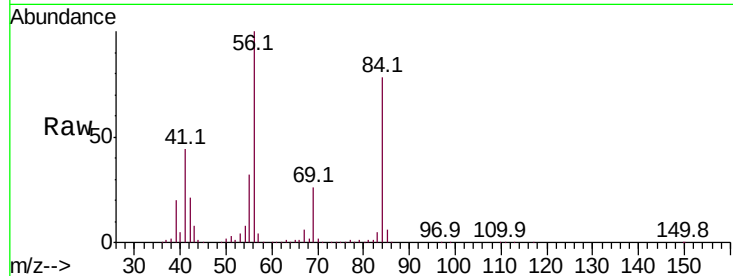




#31
Cyclohexane
Concen: 52.212 ug/l
RT: 5.57 min Scan# 725
Delta R.T. 0.00 min
Lab File: VX004693.D
Acq: 19 Sep 2018 07:49

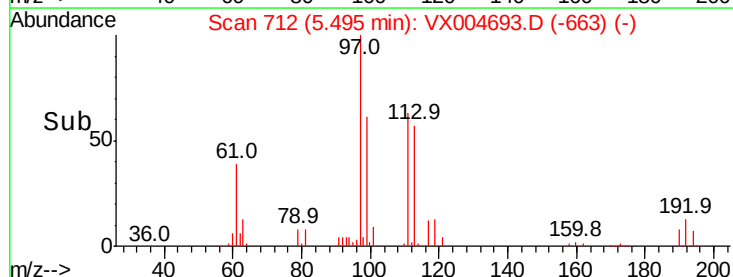
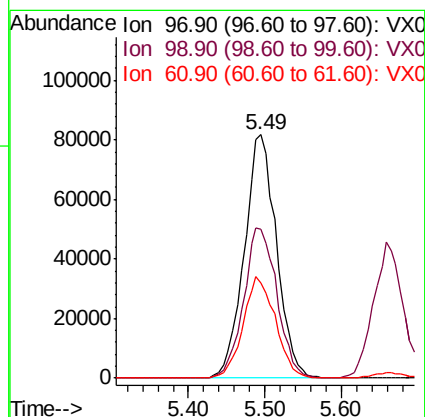
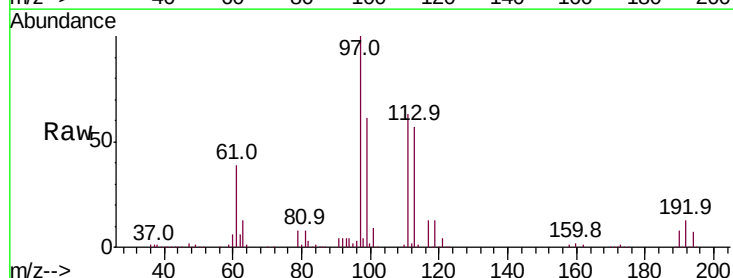
Instrument :
MSVOA_X
ClientSampled :

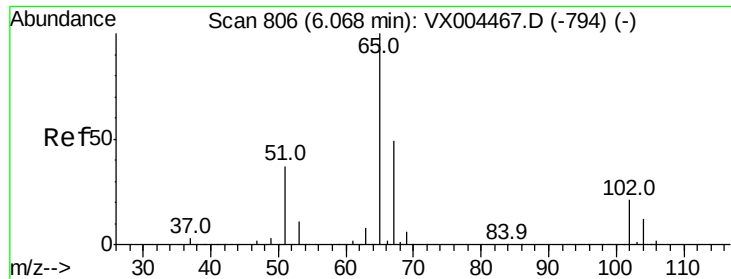
Tot Ion: 56 Resp: 251782
Ion Ratio Lower Upper
56 100
69 26.0 25.4 38.2
84 77.0 71.4 107.2



#32
1,1,1-Trichloroethane
Concen: 53.801 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.00 min
Lab File: VX004693.D
Acq: 19 Sep 2018 07:49

Tgt Ion: 97 Resp: 238917
Ion Ratio Lower Upper
97 100
99 63.9 52.0 78.0
61 41.9 34.9 52.3

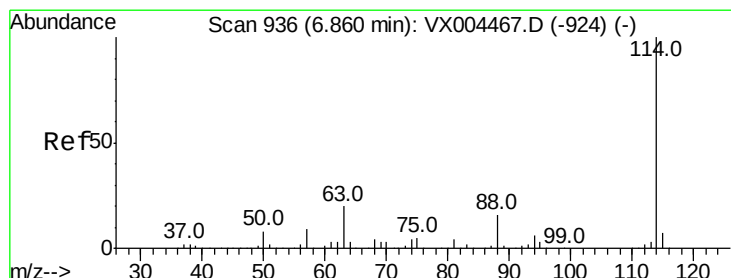
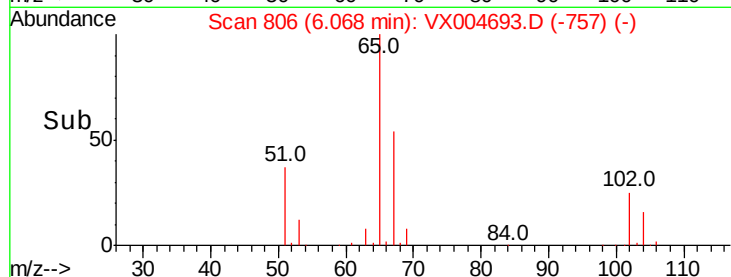
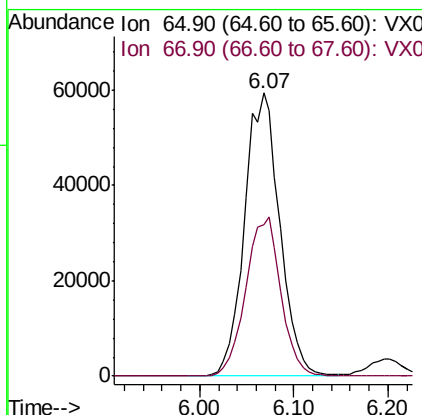
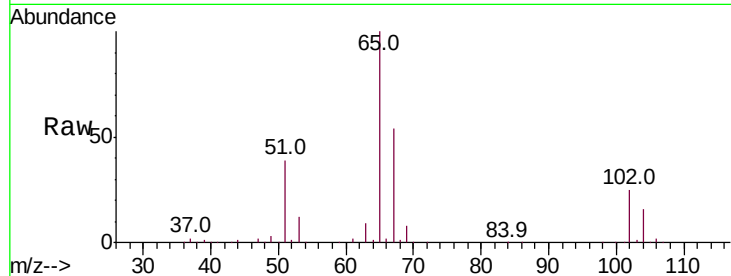




#33
 1,2-Dichloroethane-d4
 Concen: 46.749 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX004693.D
 Acq: 19 Sep 2018 07:49

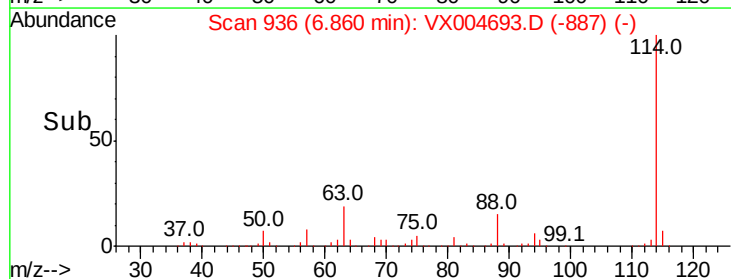
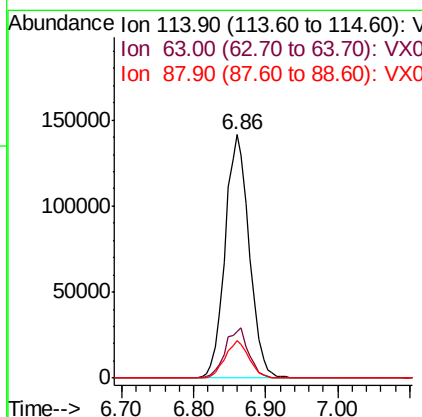
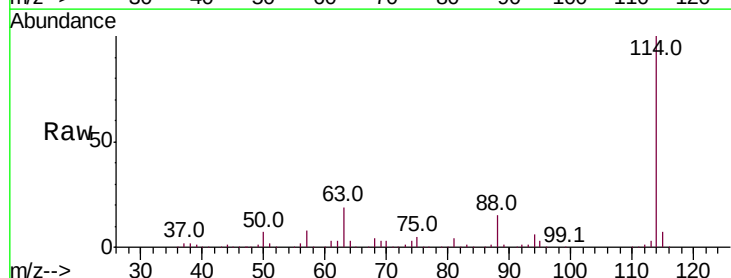
Instrument :
 MSVOA_X
 ClientSampleId :

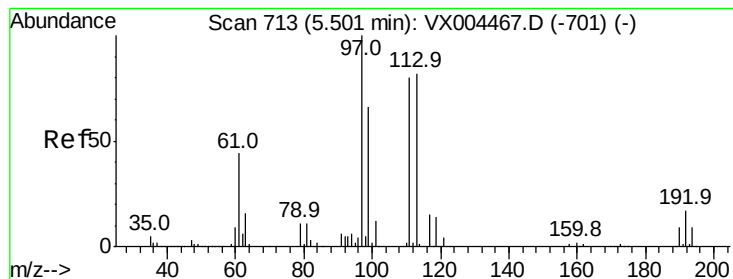
Tot Ion: 65 Resp: 155846
 Ion Ratio Lower Upper
 65 100
 67 55.9 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX004693.D
 Acq: 19 Sep 2018 07:49

Tgt Ion:114 Resp: 330072
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 39.0
 88 15.3 0.0 30.4





#35

Dibromofluoromethane

Concen: 47.647 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX004693.D

Acq: 19 Sep 2018 07:49

Instrument :

MSVOA_X

ClientSampleId :

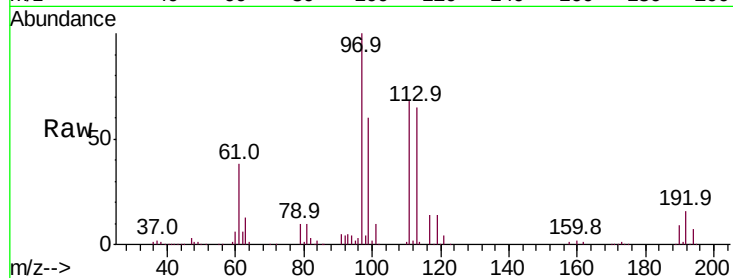
Tot Ion:113 Resp: 143917

Ion Ratio Lower Upper

113 100

111 104.0 82.4 123.6

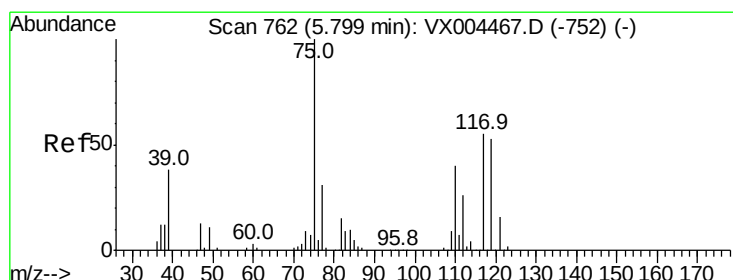
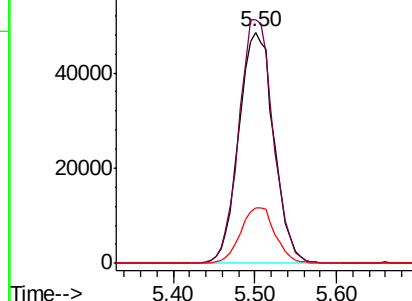
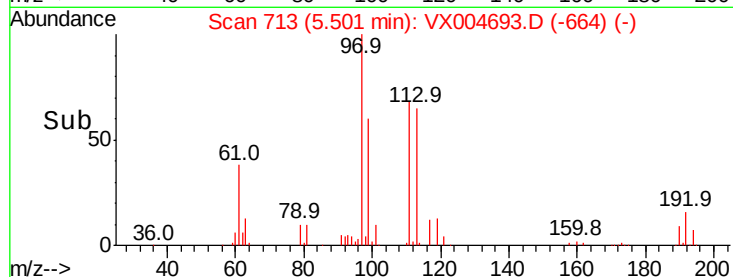
192 23.9 19.4 29.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 52.961 ug/l

RT: 5.79 min Scan# 761

Delta R.T. -0.01 min

Lab File: VX004693.D

Acq: 19 Sep 2018 07:49

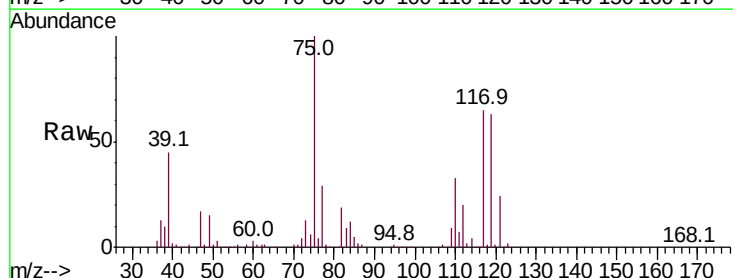
Tgt Ion: 75 Resp: 212230

Ion Ratio Lower Upper

75 100

110 36.4 18.0 54.0

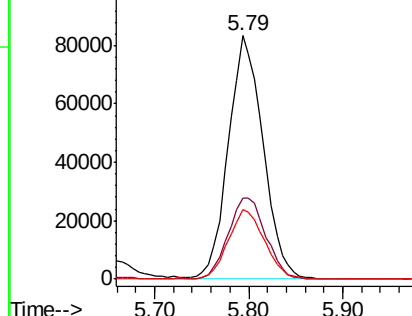
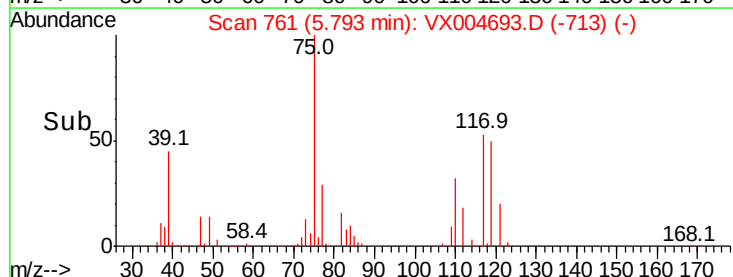
77 30.0 24.6 36.8

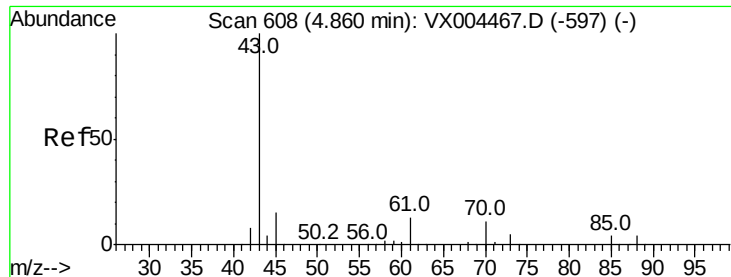


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

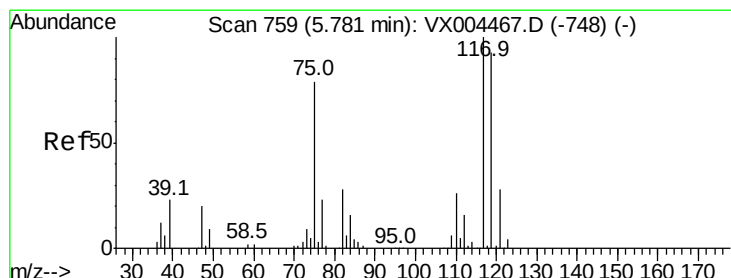
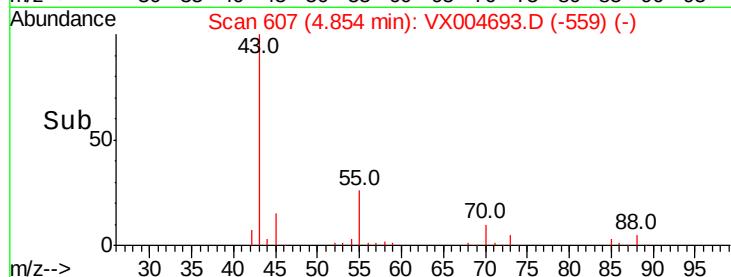
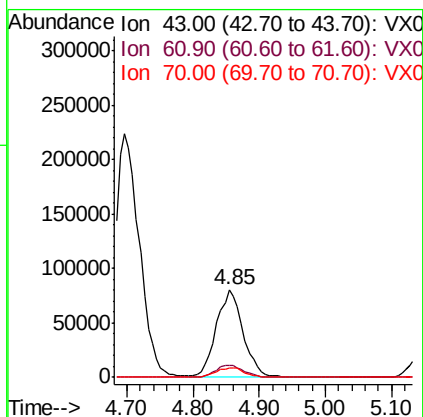
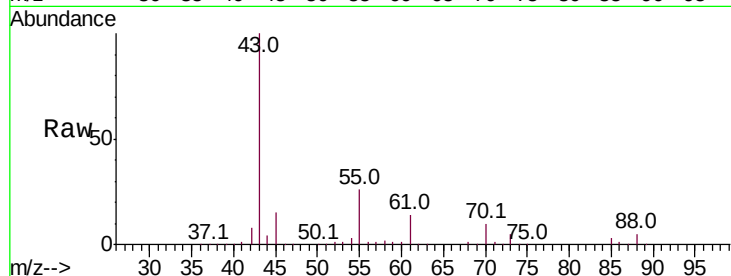




#37
Ethyl Acetate
Concen: 49.555 ug/l
RT: 4.85 min Scan# 607
Delta R.T. -0.01 min
Lab File: VX004693.D
Acq: 19 Sep 2018 07:49

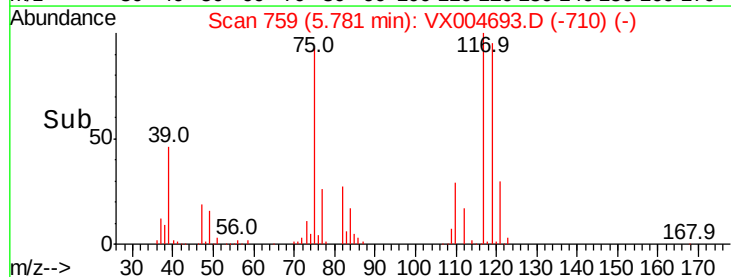
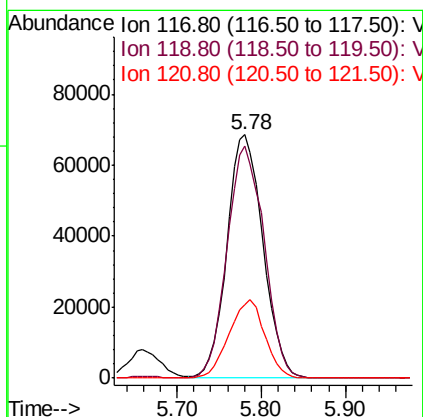
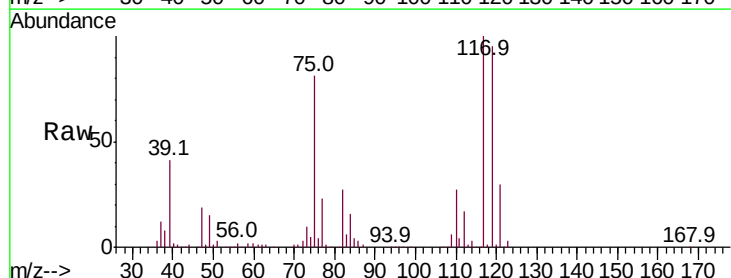
Instrument :
MSVOA_X
ClientSampled :

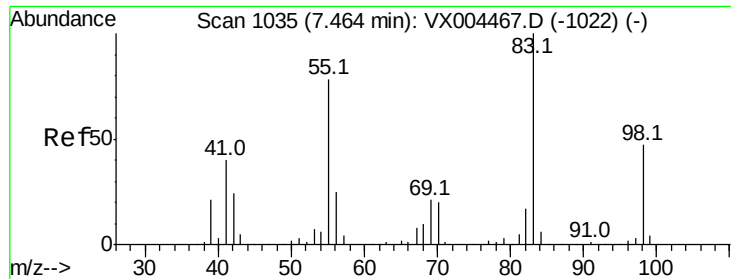
Tot Ion: 43 Resp: 225850
Ion Ratio Lower Upper
43 100
61 14.9 11.5 17.3
70 11.6 9.0 13.6



#38
Carbon Tetrachloride
Concen: 50.835 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX004693.D
Acq: 19 Sep 2018 07:49

Tgt Ion: 117 Resp: 198969
Ion Ratio Lower Upper
117 100
119 95.2 78.8 118.2
121 30.0 24.9 37.3

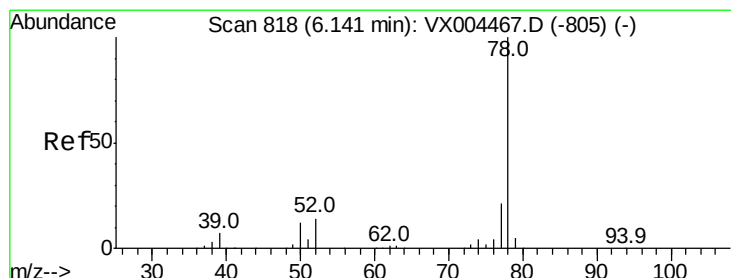
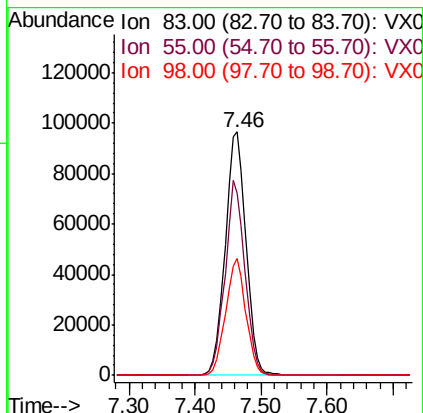
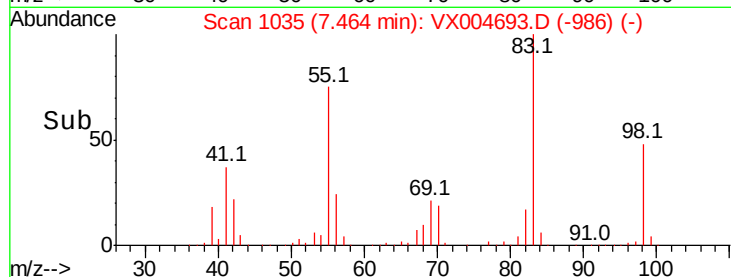
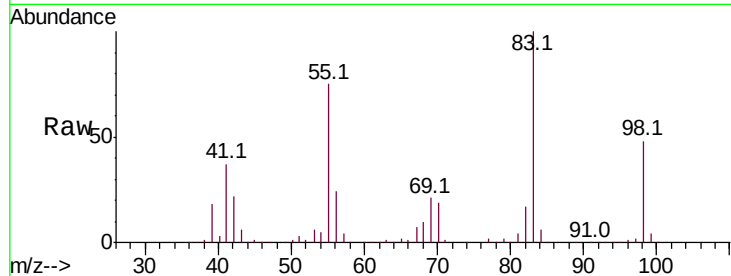




#39
Methylvlcyclohexane
Concen: 50.348 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX004693.D
Acq: 19 Sep 2018 07:49

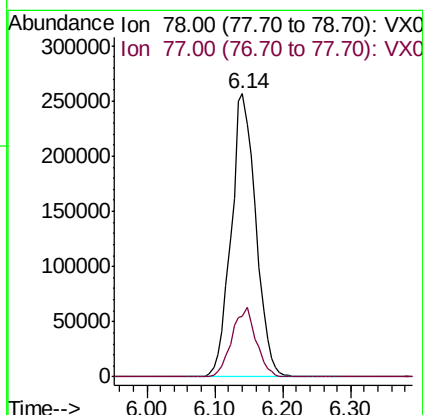
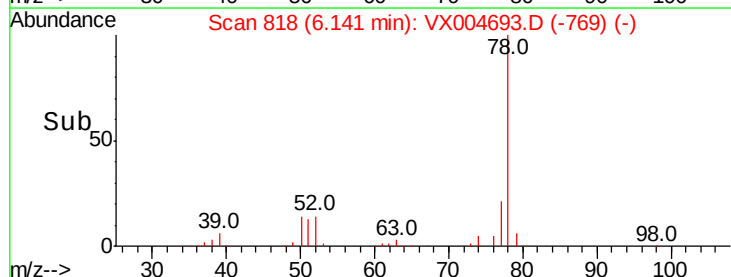
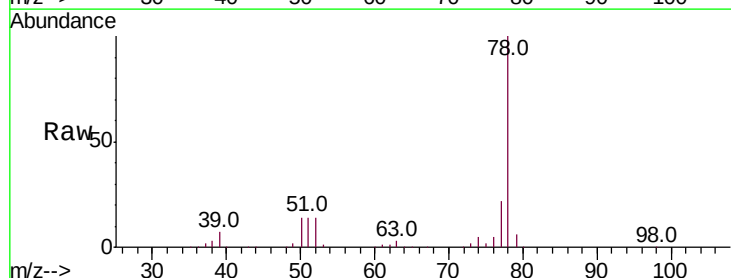
Instrument :
MSVOA_X
ClientSampleId :

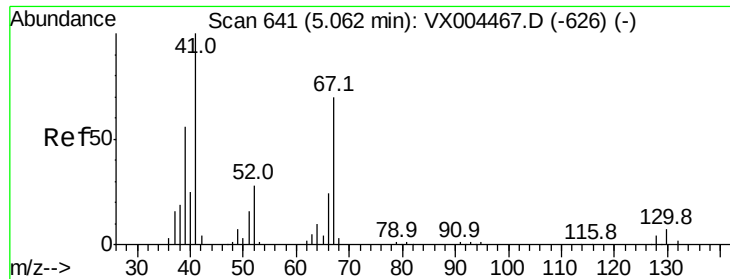
Tot Ion: 83 Resp: 210541
Ion Ratio Lower Upper
83 100
55 75.1 61.0 91.4
98 47.8 39.6 59.4



#40
Benzene
Concen: 54.401 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX004693.D
Acq: 19 Sep 2018 07:49

Tgt Ion: 78 Resp: 646813
Ion Ratio Lower Upper
78 100
77 21.6 19.0 28.4





#41

Methacrylonitrile

Concen: 52.338 ug/l

RT: 5.06 min Scan# 640

Delta R.T. -0.01 min

Lab File: VX004693.D

Acq: 19 Sep 2018 07:49

Instrument :

MSVOA_X

ClientSampled :

Tot Ion: 41 Resp: 131427

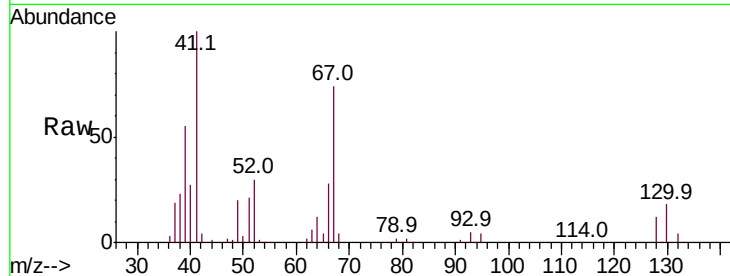
Ion Ratio Lower Upper

41 100

39 51.7 42.4 63.6

67 75.1 59.2 88.8

52 28.2 23.0 34.4



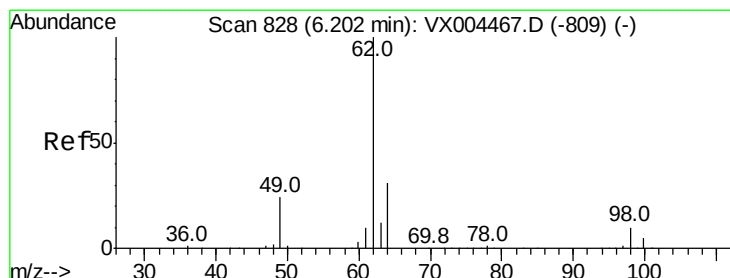
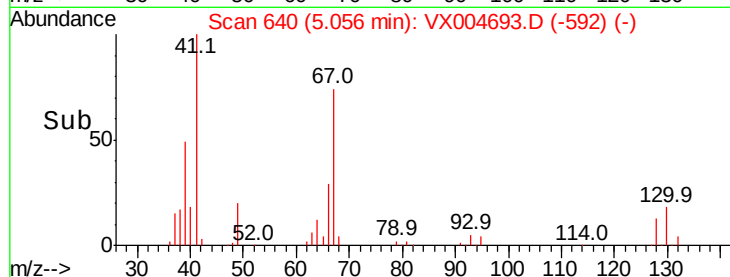
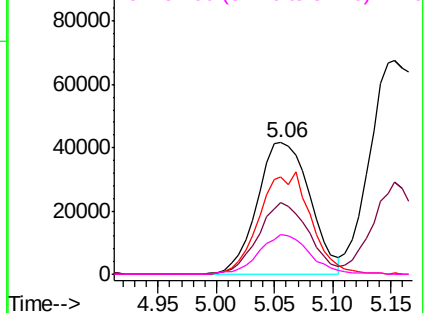
Abundance

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 51.803 ug/l

RT: 6.20 min Scan# 827

Delta R.T. -0.01 min

Lab File: VX004693.D

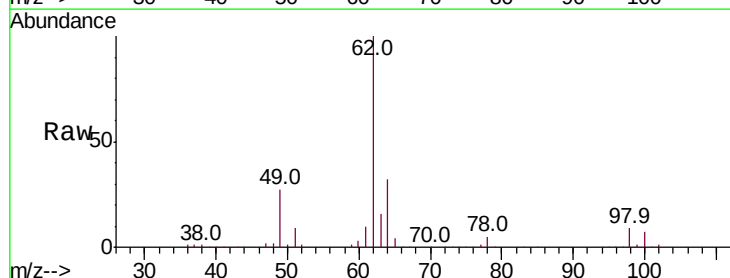
Acq: 19 Sep 2018 07:49

Tgt Ion: 62 Resp: 204283

Ion Ratio Lower Upper

62 100

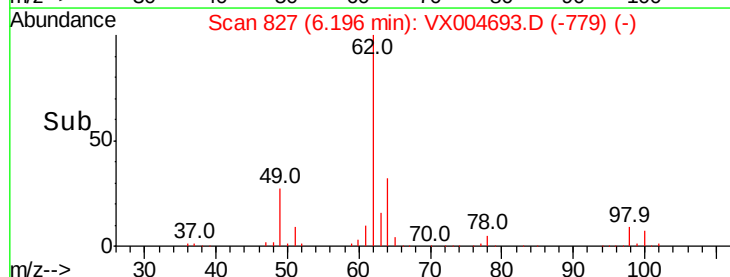
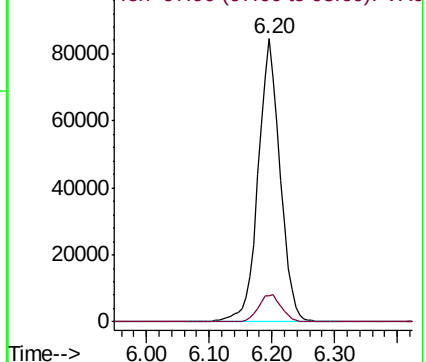
98 10.1 0.0 20.6

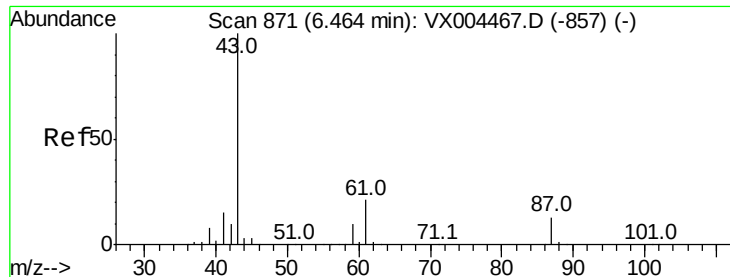


Abundance

Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 51.905 ug/l

RT: 6.46 min Scan# 871

Delta R.T. 0.00 min

Lab File: VX004693.D

Acq: 19 Sep 2018 07:49

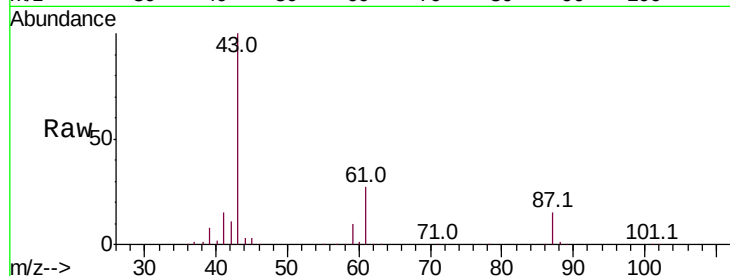
Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 43 Resp: 314205

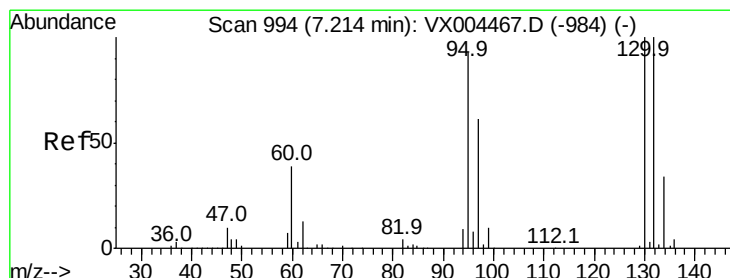
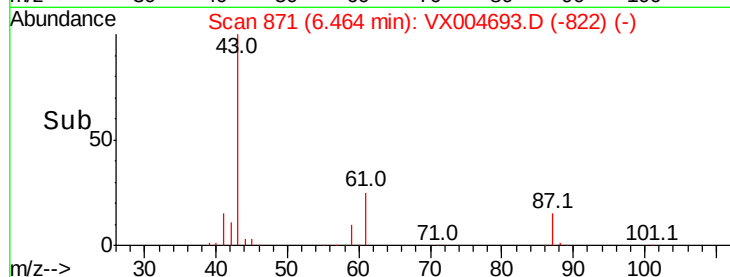
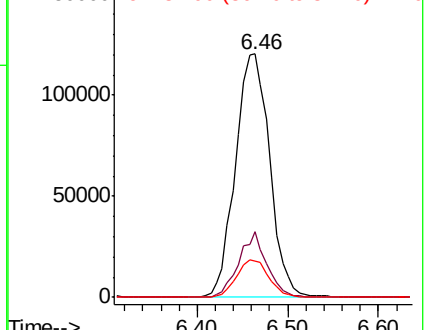
Ion	Ratio	Lower	Upper
43	100		
61	22.1	17.0	25.4
87	14.6	11.4	17.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#44

Trichloroethene

Concen: 53.341 ug/l

RT: 7.21 min Scan# 993

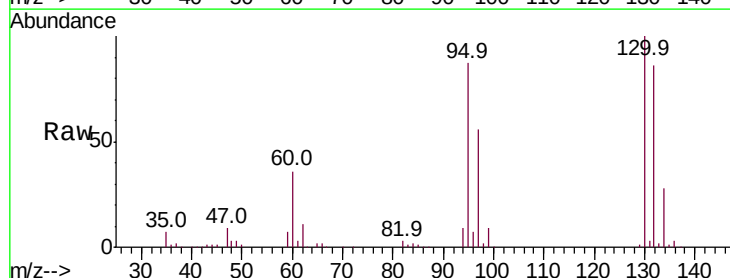
Delta R.T. -0.01 min

Lab File: VX004693.D

Acq: 19 Sep 2018 07:49

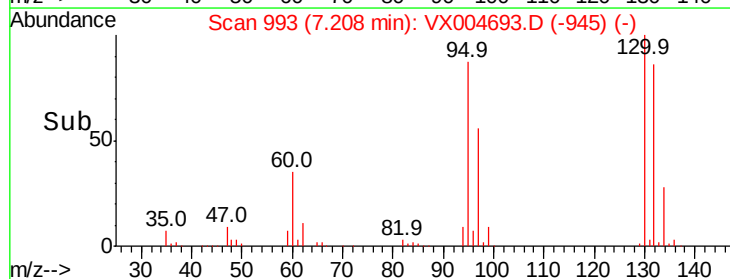
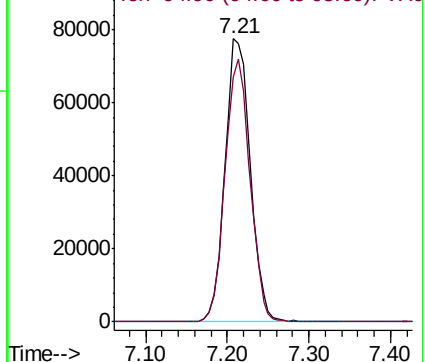
Tgt Ion:130 Resp: 164767

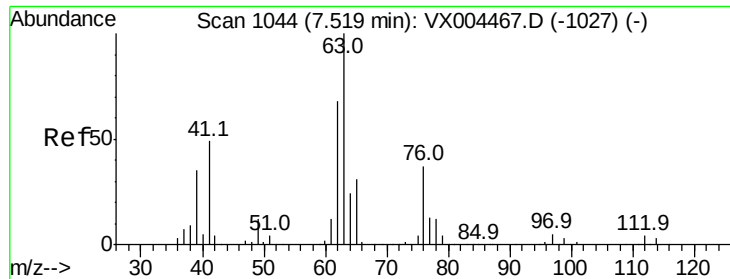
Ion	Ratio	Lower	Upper
130	100		
95	86.7	0.0	181.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

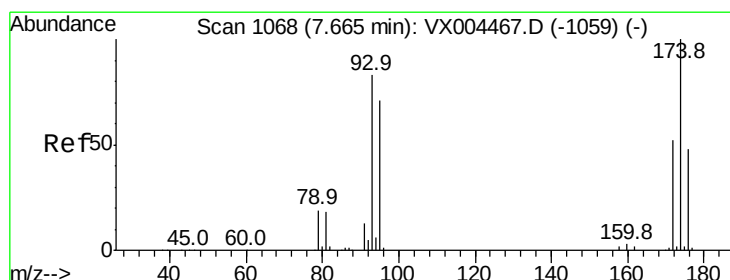
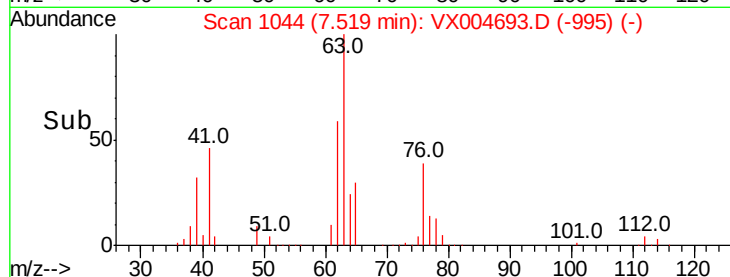
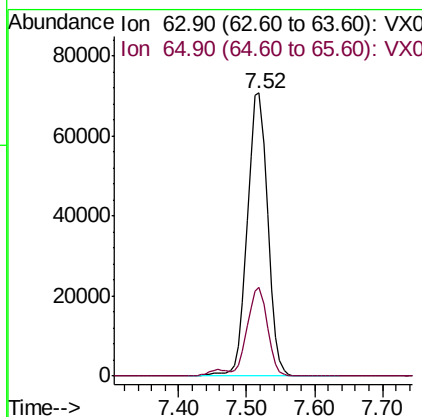
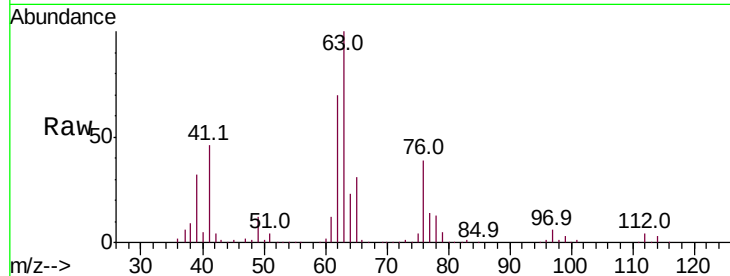




#45
 1,2-Dichloropropane
 Concen: 51.805 ug/l
 RT: 7.52 min Scan# 1044
 Delta R.T. 0.00 min
 Lab File: VX004693.D
 Acq: 19 Sep 2018 07:49

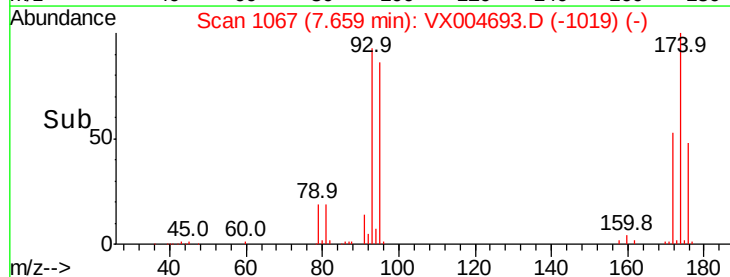
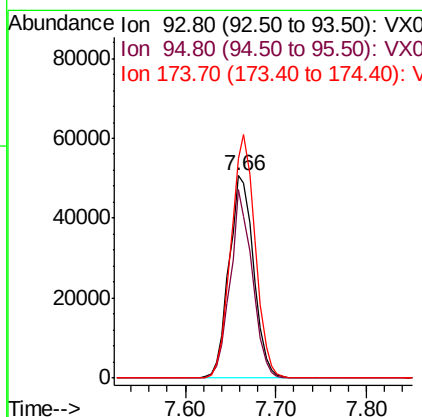
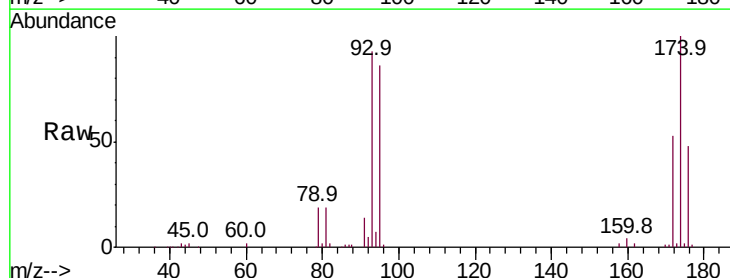
Instrument :
 MSVOA_X
 ClientSampleId :

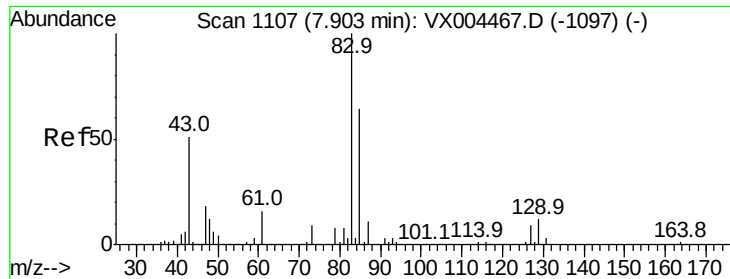
Tot Ion: 63 Resp: 148213
 Ion Ratio Lower Upper
 63 100
 65 31.3 24.3 36.5



#46
 Dibromomethane
 Concen: 52.884 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.01 min
 Lab File: VX004693.D
 Acq: 19 Sep 2018 07:49

Tgt Ion: 93 Resp: 95583
 Ion Ratio Lower Upper
 93 100
 95 83.4 65.5 98.3
 174 118.1 94.2 141.4





#47

Bromodichloromethane

Concen: 51.924 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VX004693.D

Acq: 19 Sep 2018 07:49

Instrument :

MSVOA_X

ClientSampleId :

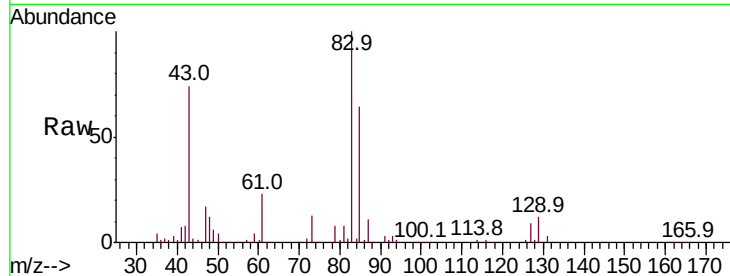
Tot Ion: 83 Resp: 177475

Ion Ratio Lower Upper

83 100

85 63.9 50.9 76.3

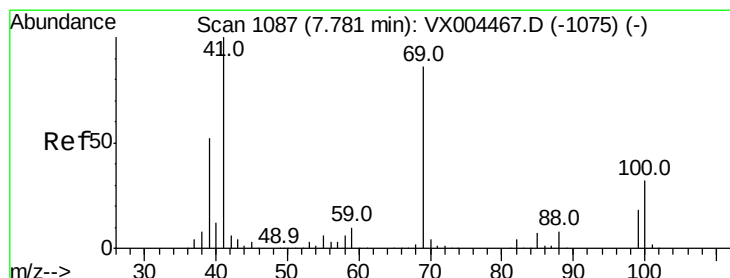
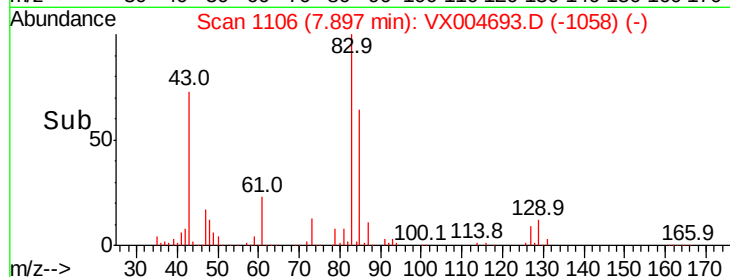
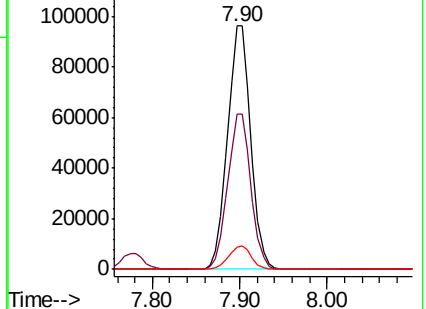
127 9.0 7.3 10.9



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 52.121 ug/l

RT: 7.77 min Scan# 1086

Delta R.T. -0.01 min

Lab File: VX004693.D

Acq: 19 Sep 2018 07:49

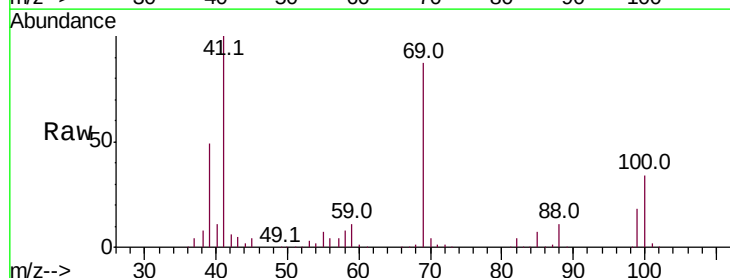
Tgt Ion: 41 Resp: 156145

Ion Ratio Lower Upper

41 100

69 89.1 70.2 105.4

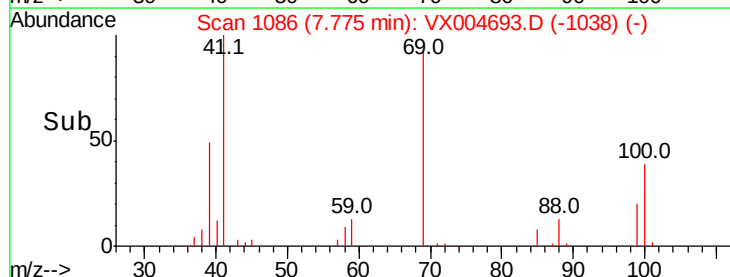
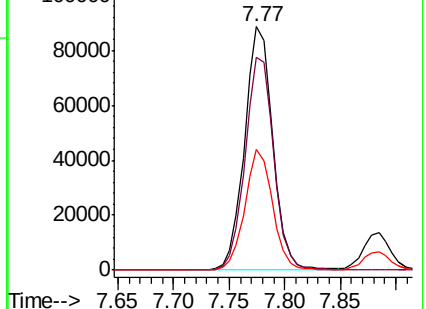
39 48.9 42.7 64.1

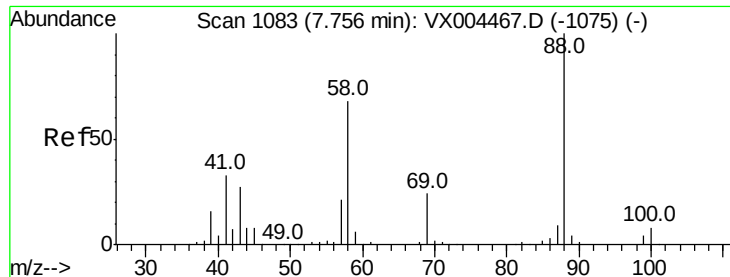


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 1065.633 ug/l

RT: 7.75 min Scan# 1082

Delta R.T. -0.01 min

Lab File: VX004693.D

Acq: 19 Sep 2018 07:49

Instrument :

MSVOA_X

ClientSampled :

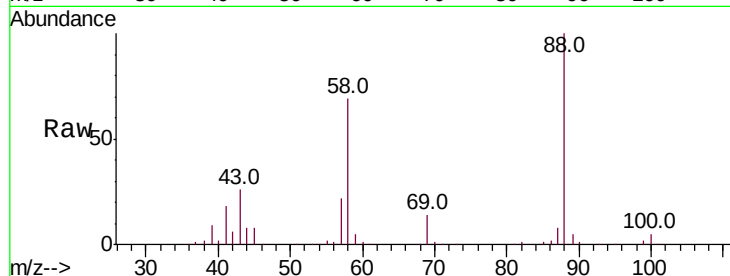
Tot Ion: 88 Resp: 75559

Ion Ratio Lower Upper

88 100

43 28.9 24.7 37.1

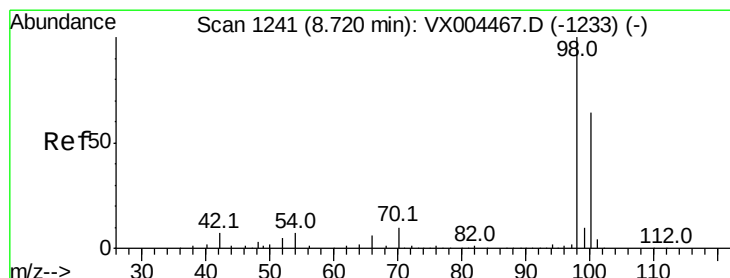
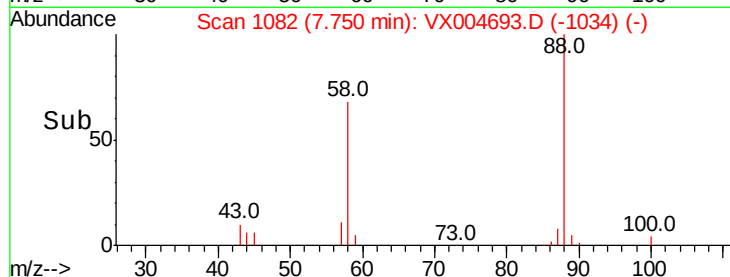
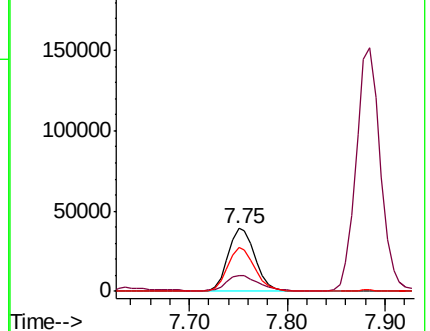
58 69.7 55.3 82.9



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 46.070 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.01 min

Lab File: VX004693.D

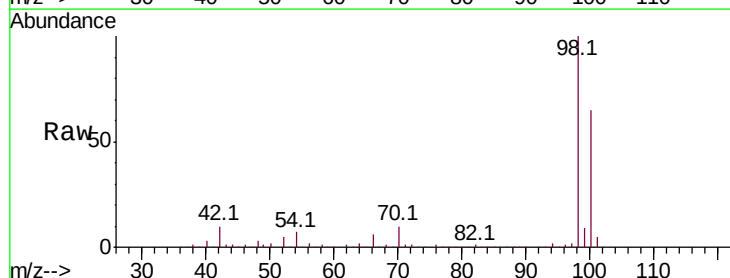
Acq: 19 Sep 2018 07:49

Tgt Ion: 98 Resp: 466649

Ion Ratio Lower Upper

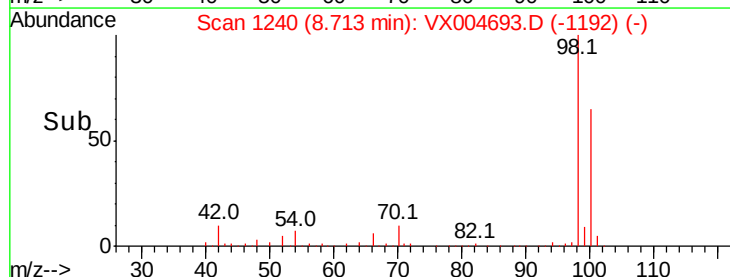
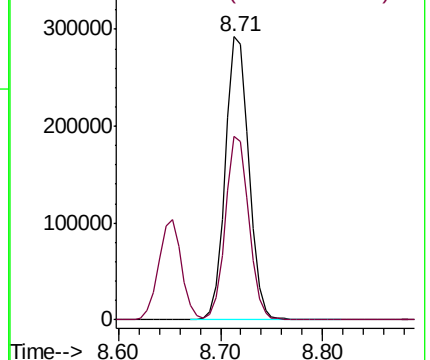
98 100

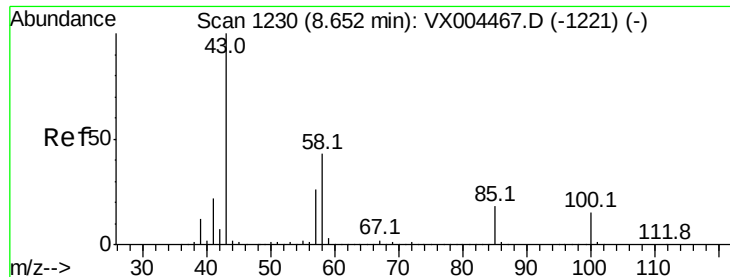
100 64.8 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 233.741 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.01 min

Lab File: VX004693.D

Acq: 19 Sep 2018 07:49

Instrument :

MSVOA_X

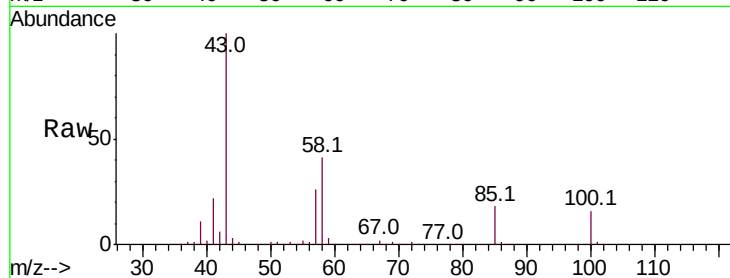
ClientSampled :

Tot Ion: 43 Resp: 998521

Ion Ratio Lower Upper

43 100

58 40.9 33.1 49.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.65

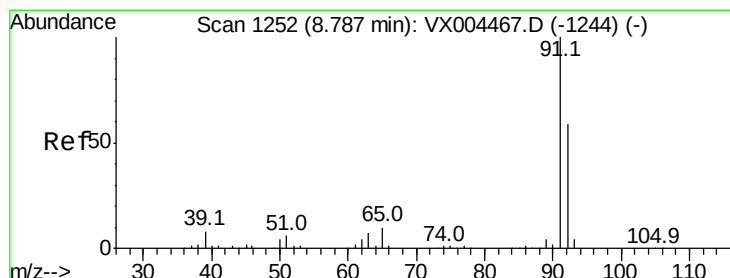
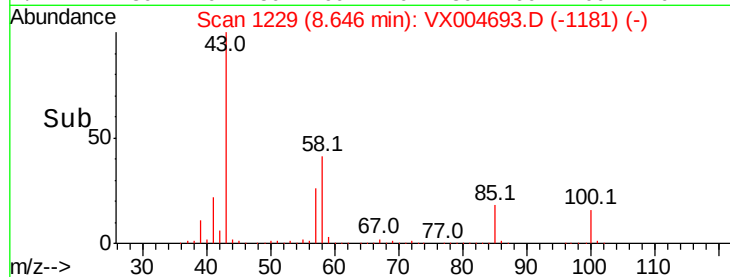
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 50.024 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX004693.D

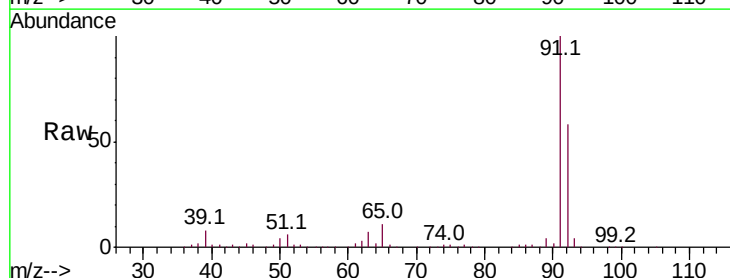
Acq: 19 Sep 2018 07:49

Tgt Ion: 92 Resp: 350420

Ion Ratio Lower Upper

92 100

91 173.0 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.79

400000

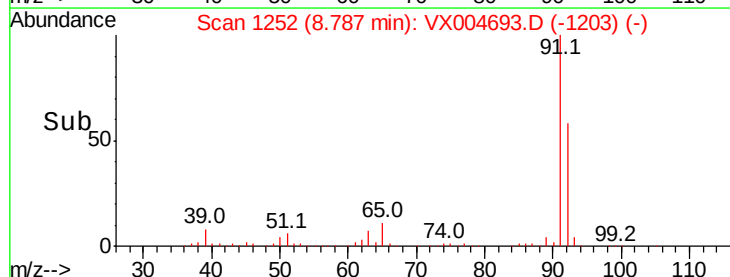
300000

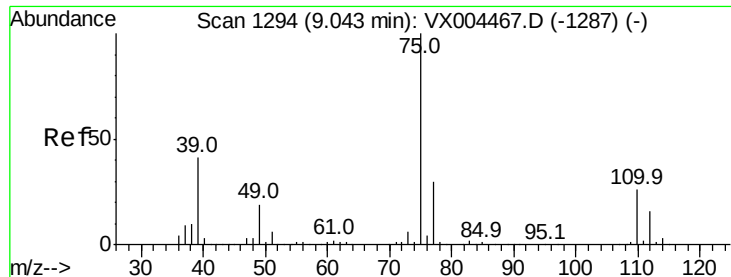
200000

100000

0

Time-->

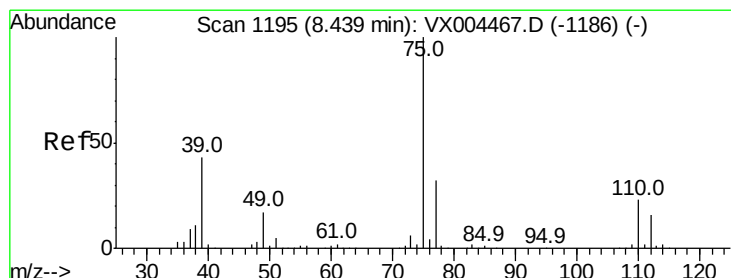
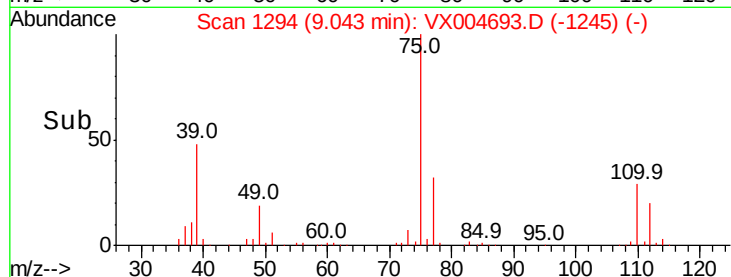
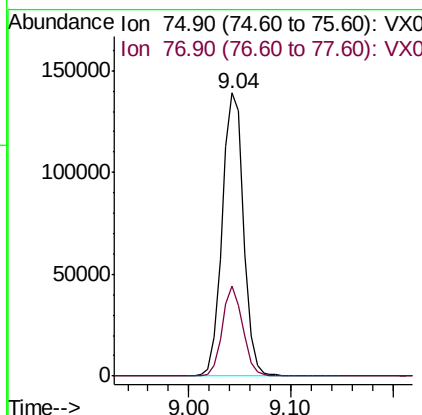
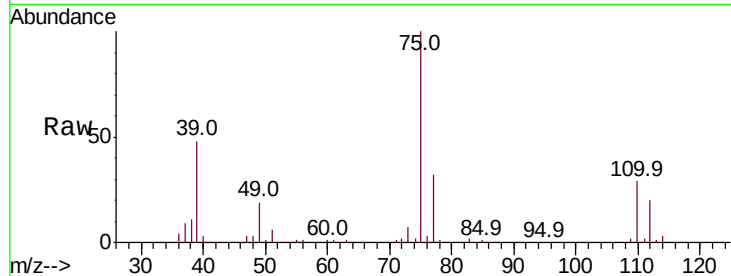




#53
 t-1,3-Dichloropropene
 Concen: 50.658 ug/l
 RT: 9.04 min Scan# 1294
 Delta R.T. 0.00 min
 Lab File: VX004693.D
 Acq: 19 Sep 2018 07:49

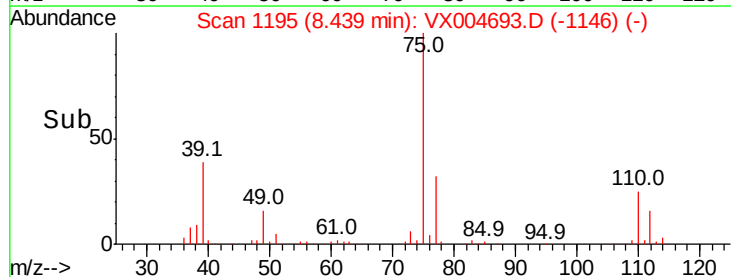
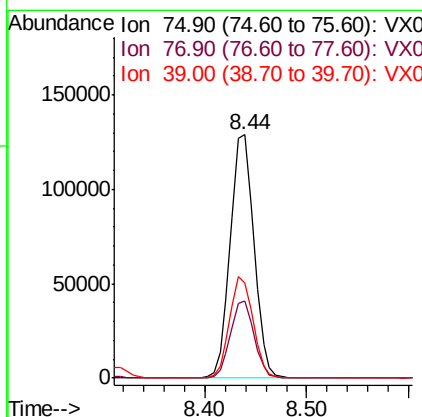
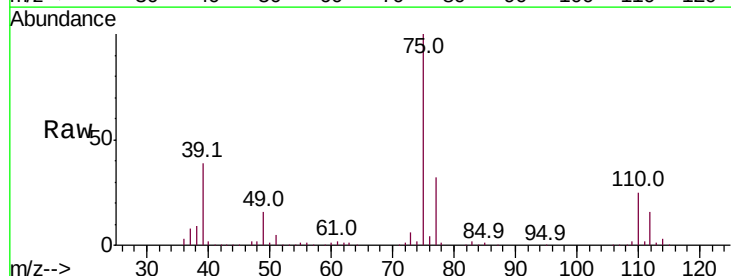
Instrument :
 MSVOA_X
 ClientSampleId :

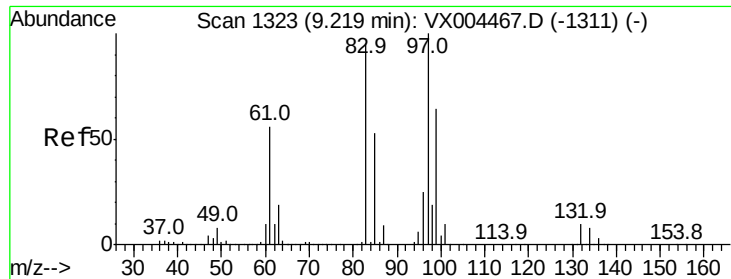
Tot Ion: 75 Resp: 202264
 Ion Ratio Lower Upper
 75 100
 77 32.0 24.6 37.0



#54
 cis-1,3-Dichloropropene
 Concen: 50.895 ug/l
 RT: 8.44 min Scan# 1195
 Delta R.T. 0.00 min
 Lab File: VX004693.D
 Acq: 19 Sep 2018 07:49

Tgt Ion: 75 Resp: 207150
 Ion Ratio Lower Upper
 75 100
 77 31.9 26.2 39.2
 39 39.1 36.4 54.6

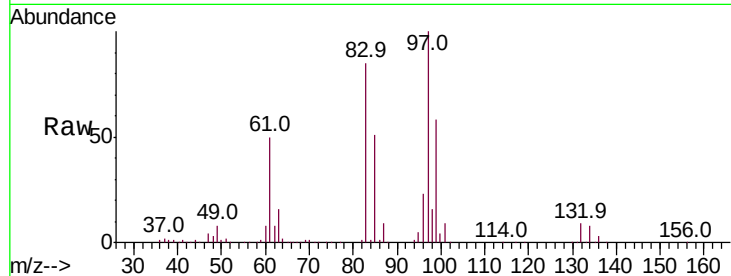




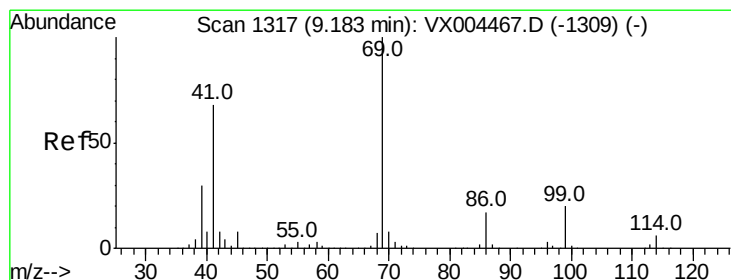
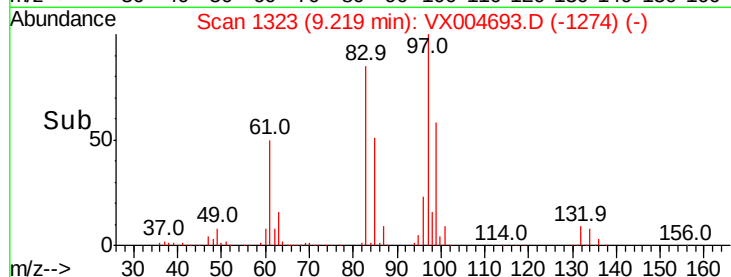
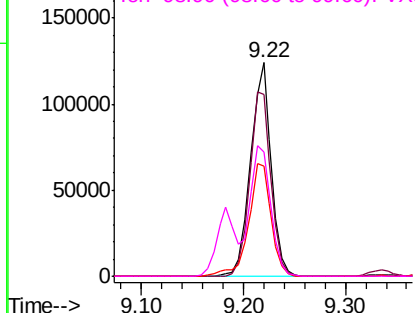
#55
 1,1,2-Trichloroethane
 Concen: 57.804 ug/l
 RT: 9.22 min Scan# 1323
 Delta R.T. 0.00 min
 Lab File: VX004693.D
 Acq: 19 Sep 2018 07:49

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:	97	Resp:	174349
Ion	Ratio	Lower	Upper
97	100		
83	84.9	66.4	99.6
85	51.4	43.3	64.9
99	58.2	49.0	73.4

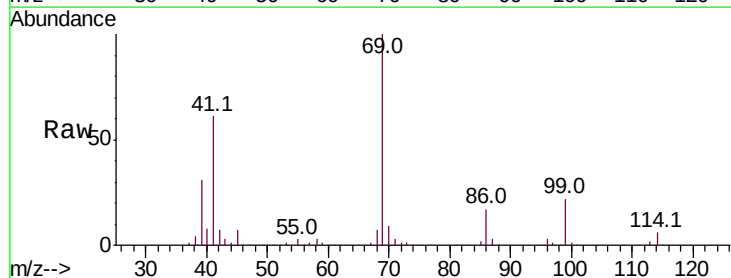


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

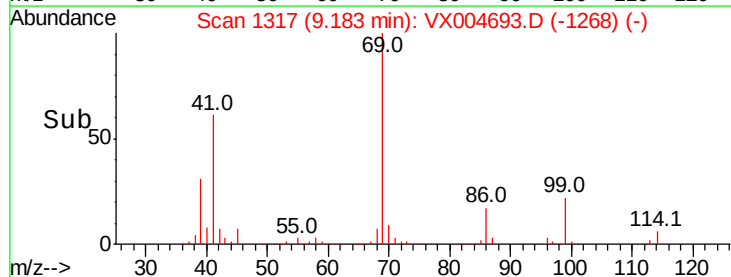
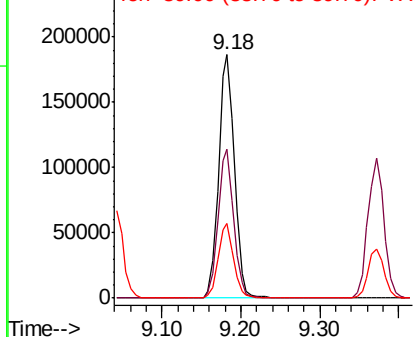


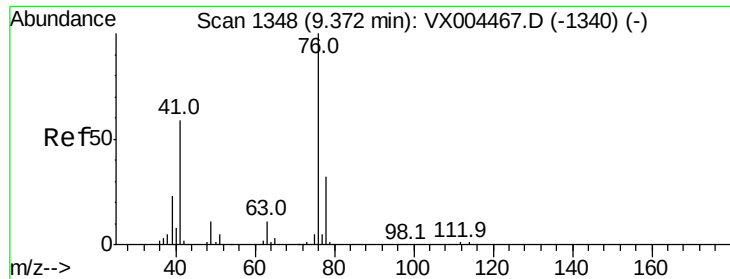
#56
 Ethyl methacrylate
 Concen: 61.017 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. 0.00 min
 Lab File: VX004693.D
 Acq: 19 Sep 2018 07:49

Tgt Ion:	69	Resp:	260362
Ion	Ratio	Lower	Upper
69	100		
41	60.4	51.0	76.4
39	30.0	26.1	39.1



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: 58.858 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

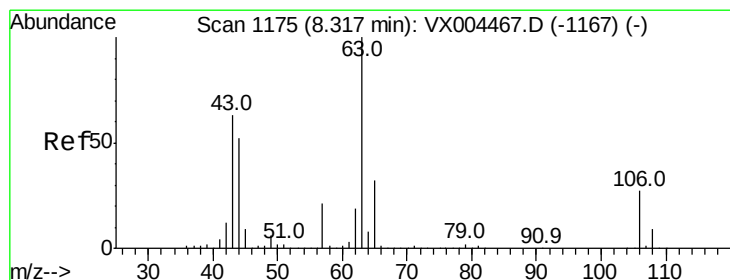
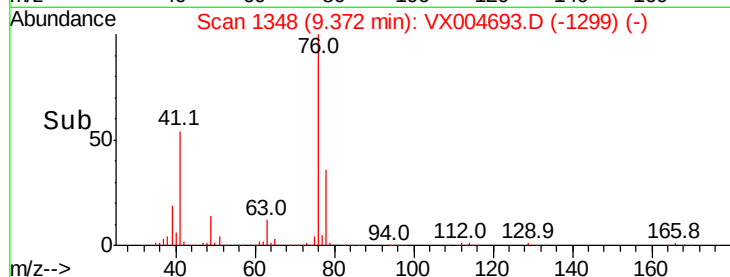
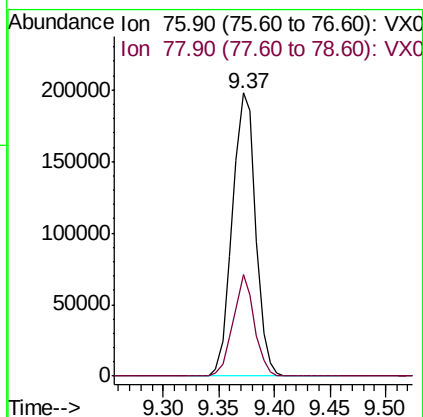
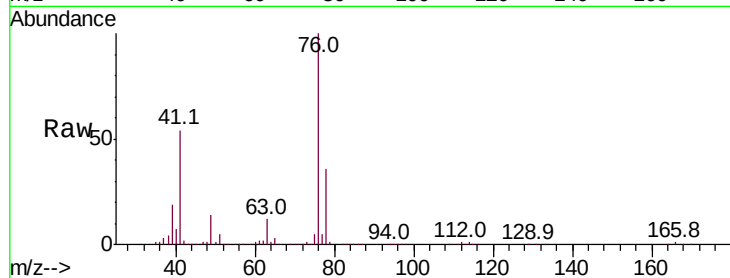
Lab File: VX004693.D

Acq: 19 Sep 2018 07:49

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 76 Resp: 288451

Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.5	38.3



#58

2-Chloroethyl Vinyl ether

Concen: 236.435 ug/l

RT: 8.31 min Scan# 1174

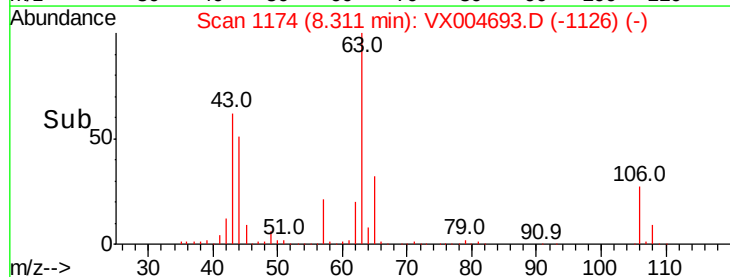
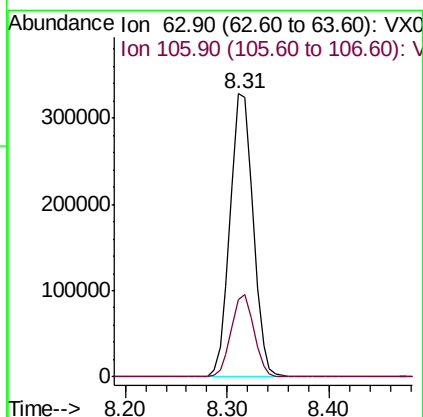
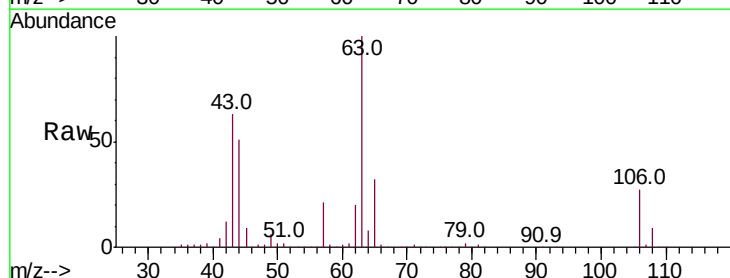
Delta R.T. -0.01 min

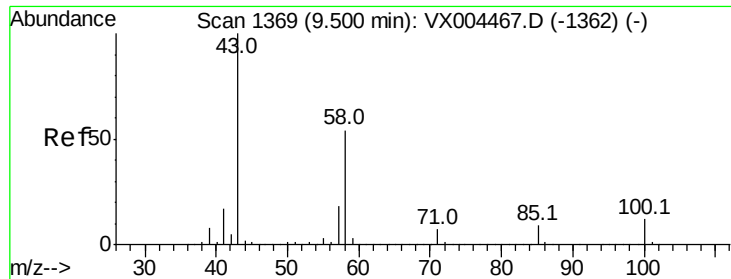
Lab File: VX004693.D

Acq: 19 Sep 2018 07:49

Tgt Ion: 63 Resp: 513127

Ion	Ratio	Lower	Upper
63	100		
106	28.5	23.9	35.9

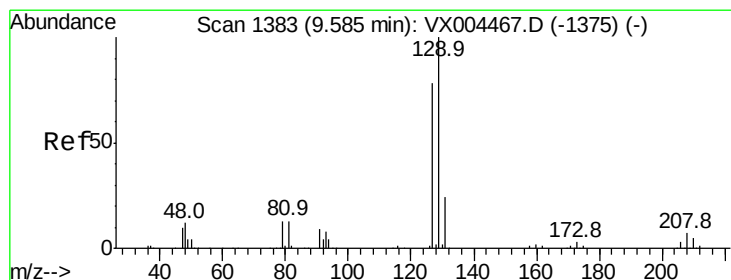
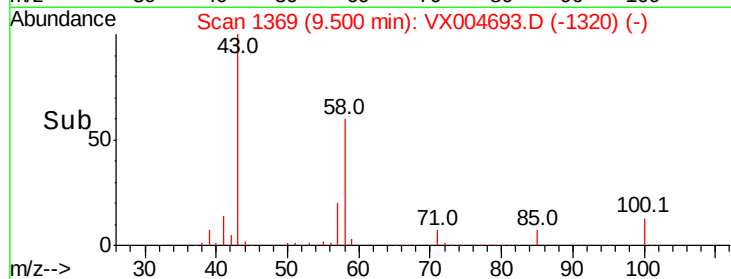
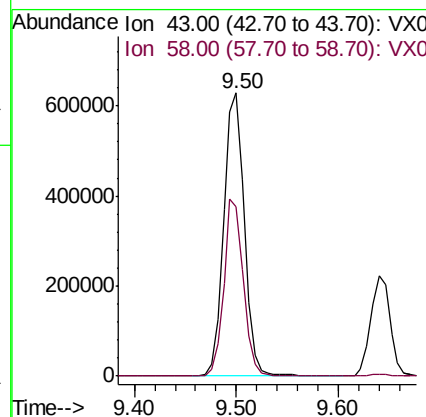
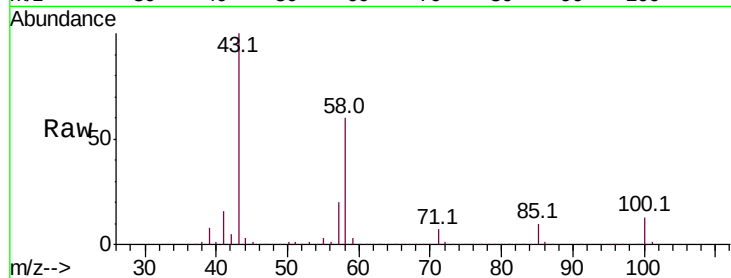




#59
2-Hexanone
Concen: 270.986 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. 0.00 min
Lab File: VX004693.D
Acq: 19 Sep 2018 07:49

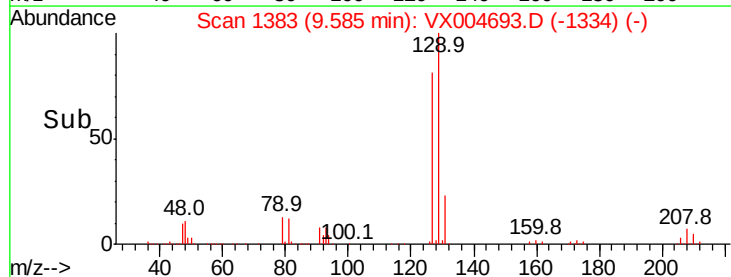
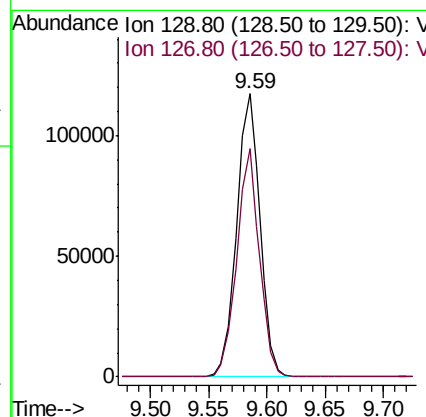
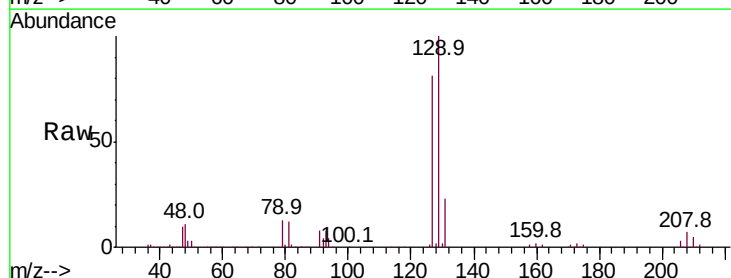
Instrument :
MSVOA_X
ClientSampled :

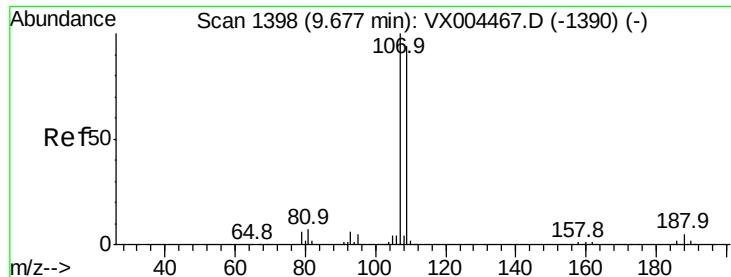
Tot Ion: 43 Resp: 887940
Ion Ratio Lower Upper
43 100
58 59.3 29.0 87.0



#60
Dibromochloromethane
Concen: 57.584 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VX004693.D
Acq: 19 Sep 2018 07:49

Tgt Ion: 129 Resp: 163516
Ion Ratio Lower Upper
129 100
127 78.2 38.5 115.5





#61

1,2-Dibromoethane

Concen: 55.261 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.01 min

Lab File: VX004693.D

Acq: 19 Sep 2018 07:49

Instrument :

MSVOA_X

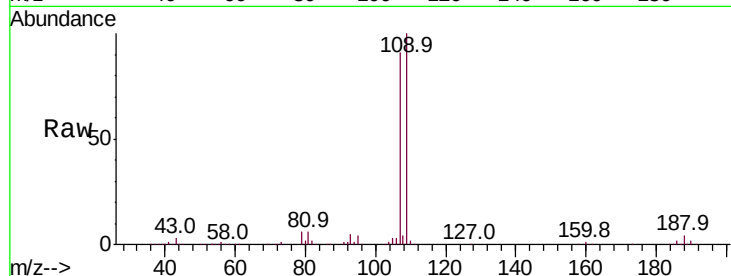
ClientSampled :

Tot Ion:107 Resp: 159228

Ion Ratio Lower Upper

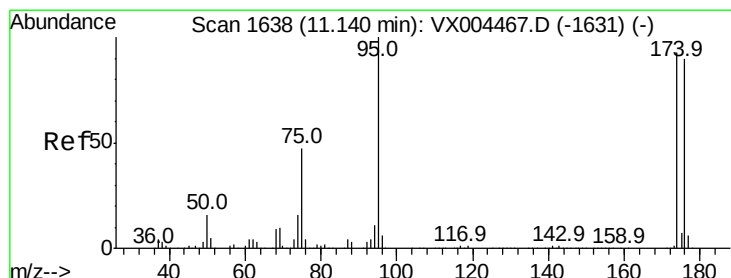
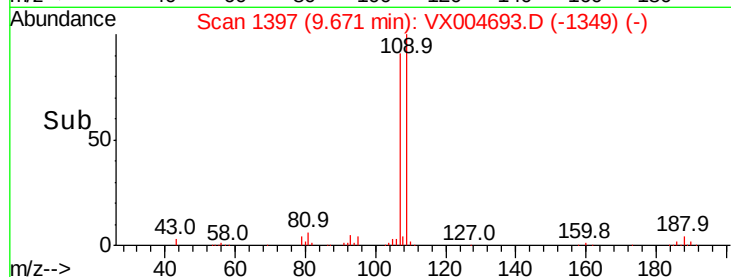
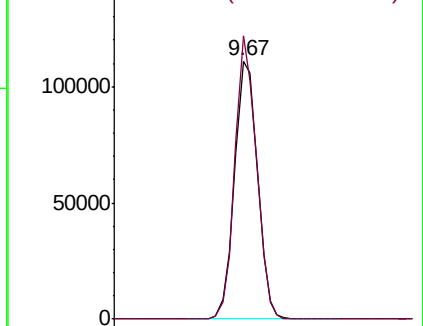
107 100

109 102.7 76.0 114.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 48.355 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.00 min

Lab File: VX004693.D

Acq: 19 Sep 2018 07:49

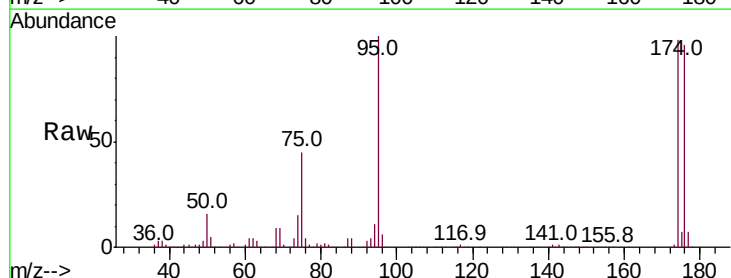
Tgt Ion: 95 Resp: 174836

Ion Ratio Lower Upper

95 100

174 94.3 0.0 185.2

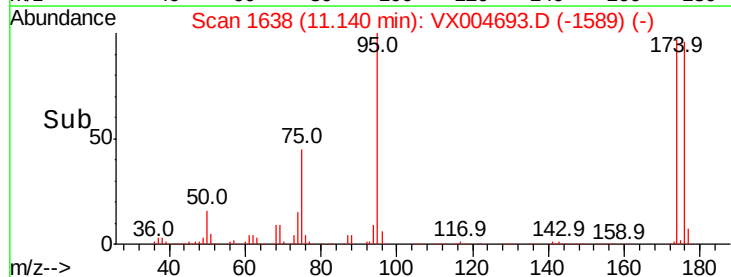
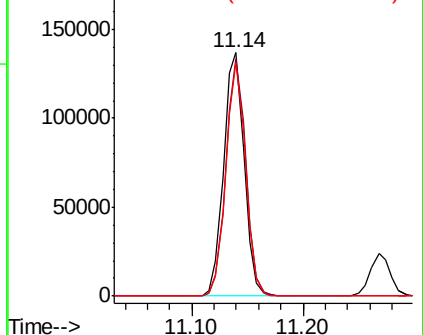
176 92.2 0.0 178.6

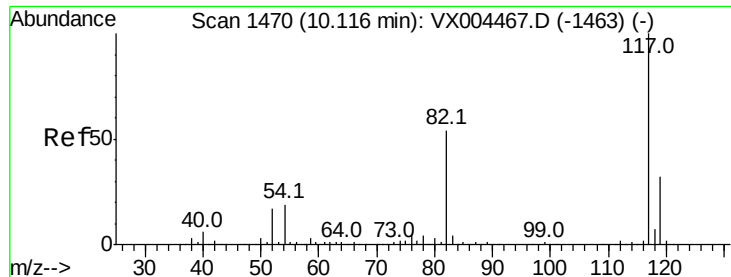


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

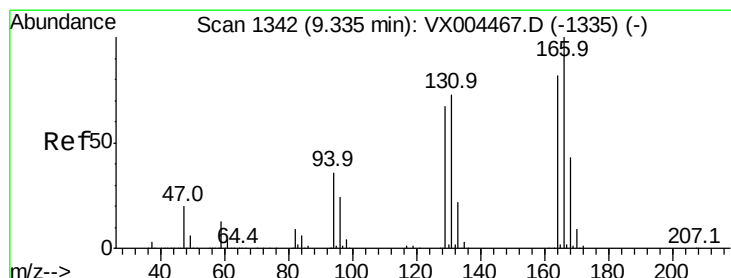
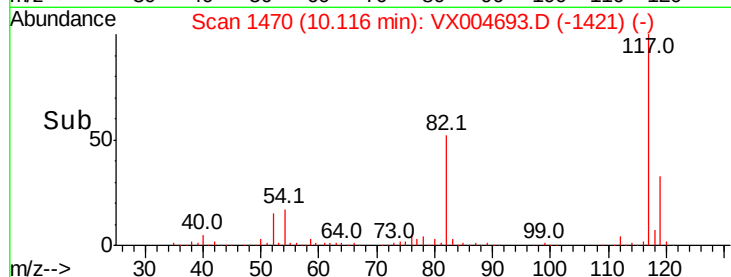
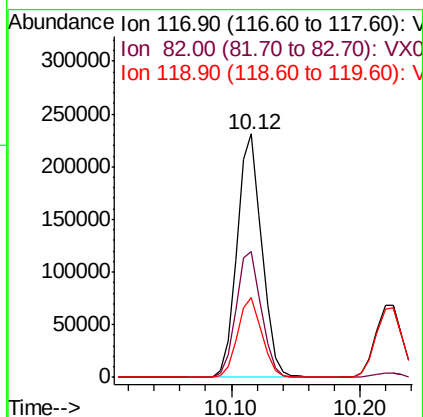
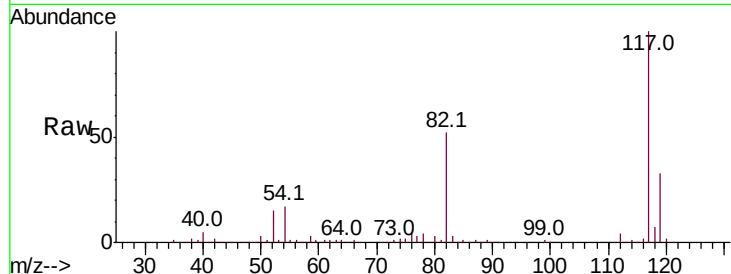




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX004693.D
Acq: 19 Sep 2018 07:49

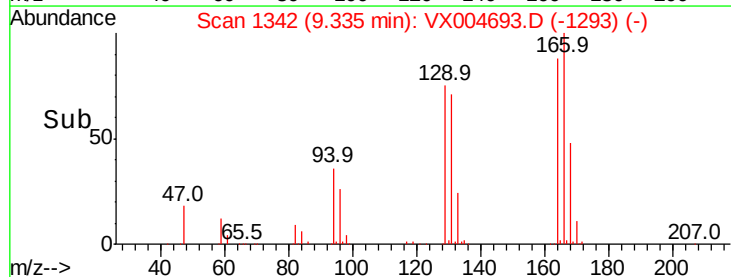
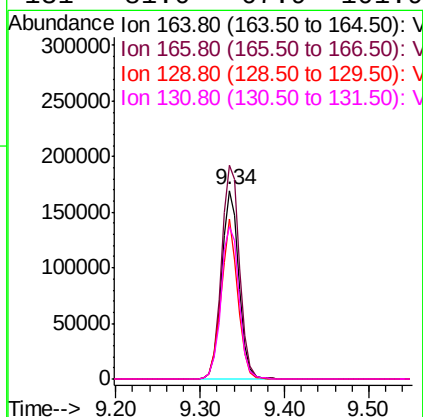
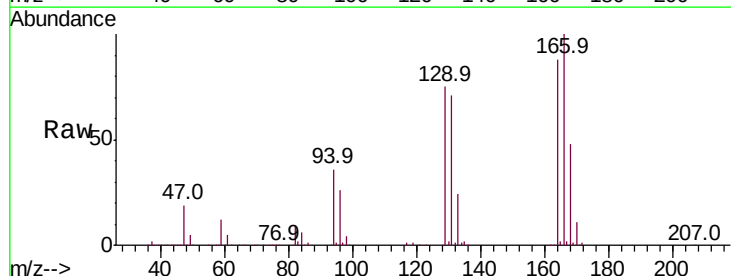
Instrument :
MSVOA_X
ClientSampleId :

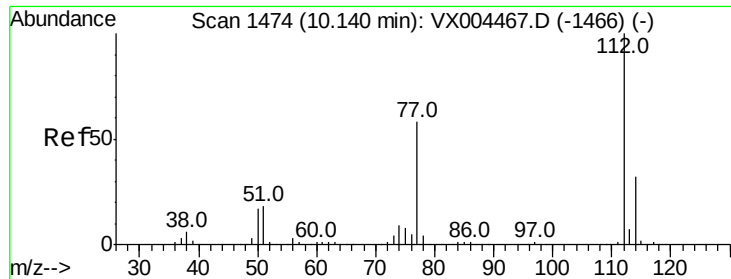
Tot Ion:117 Resp: 307792
Ion Ratio Lower Upper
117 100
82 51.6 47.8 71.6
119 32.7 29.3 43.9



#64
Tetrachloroethene
Concen: 62.907 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX004693.D
Acq: 19 Sep 2018 07:49

Tgt Ion:164 Resp: 241744
Ion Ratio Lower Upper
164 100
166 113.4 102.8 154.2
129 85.3 69.4 104.0
131 81.0 67.9 101.9

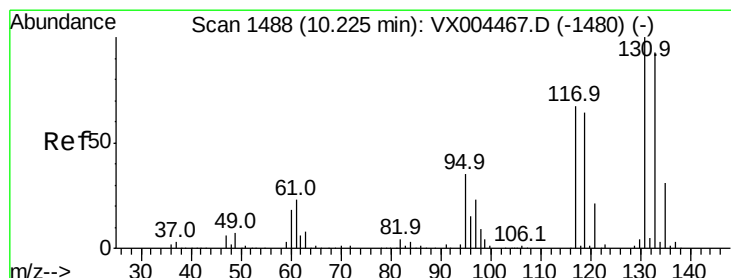
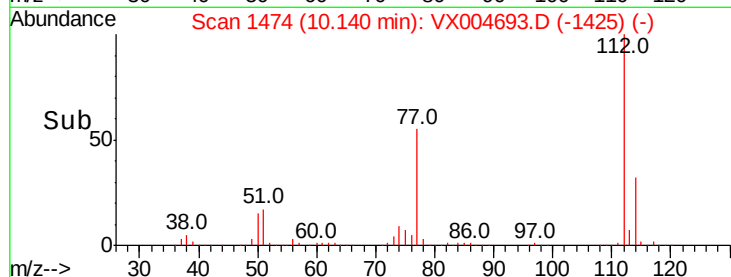
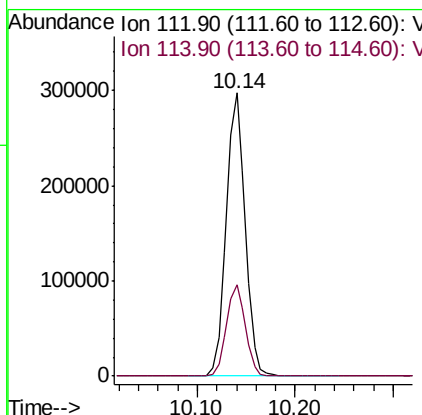
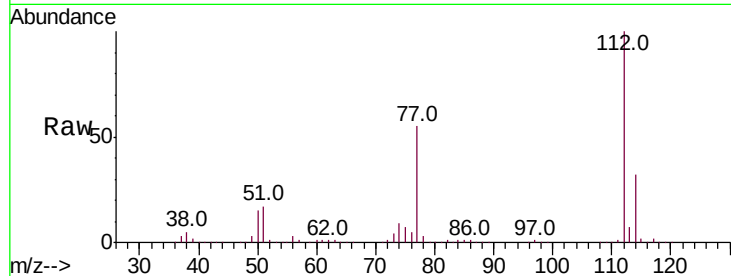




#65
Chlorobenzene
Concen: 52.067 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VX004693.D
Acq: 19 Sep 2018 07:49

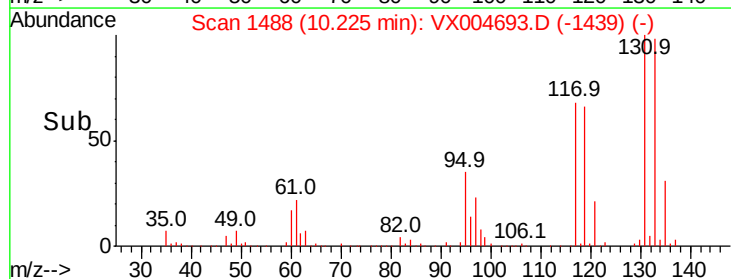
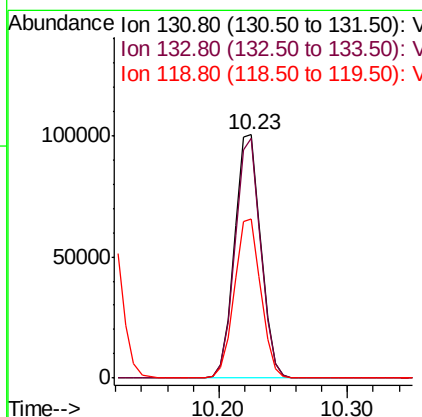
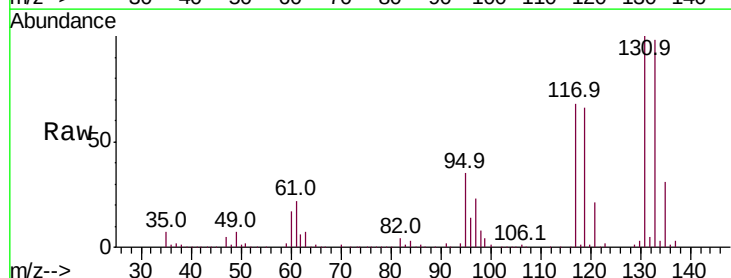
Instrument :
MSVOA_X
ClientSampleId :

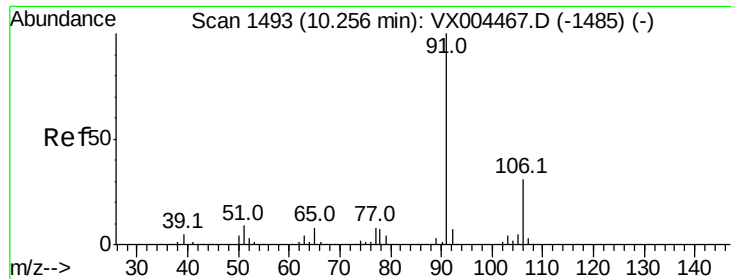
Tot Ion:112 Resp: 398071
Ion Ratio Lower Upper
112 100
114 32.1 27.8 41.8



#66
1,1,1,2-Tetrachloroethane
Concen: 54.137 ug/l
RT: 10.23 min Scan# 1488
Delta R.T. 0.00 min
Lab File: VX004693.D
Acq: 19 Sep 2018 07:49

Tgt Ion:131 Resp: 142730
Ion Ratio Lower Upper
131 100
133 96.1 48.1 144.4
119 65.7 32.9 98.6





#67

Ethyl Benzene

Concen: 53.748 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.01 min

Lab File: VX004693.D

Acq: 19 Sep 2018 07:49

Instrument :

MSVOA_X

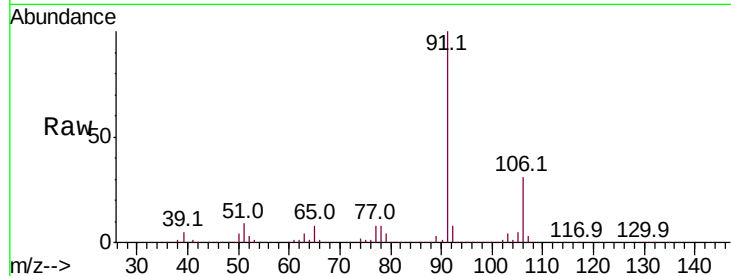
ClientSampled :

Tot Ion: 91 Resp: 668173

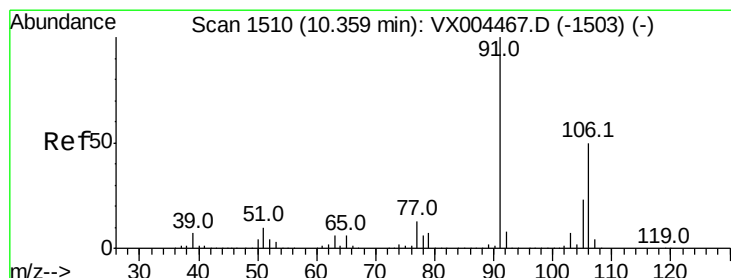
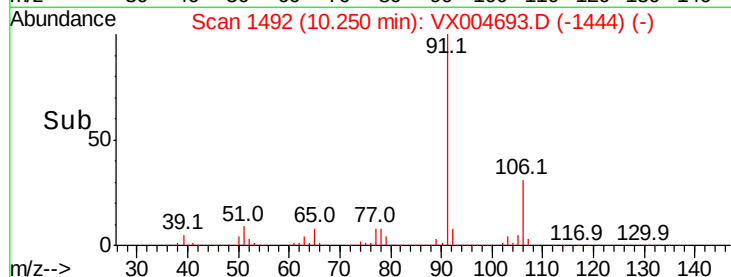
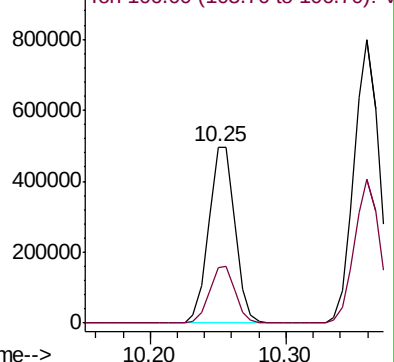
Ion Ratio Lower Upper

91 100

106 31.2 25.9 38.9



Abundance Ion 91.00 (90.70 to 91.70): VX004467.D (-1485) (-)



#68

m/p-Xylenes

Concen: 110.251 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX004693.D

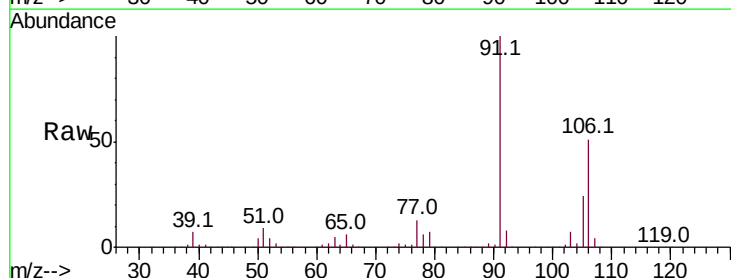
Acq: 19 Sep 2018 07:49

Tgt Ion: 106 Resp: 527954

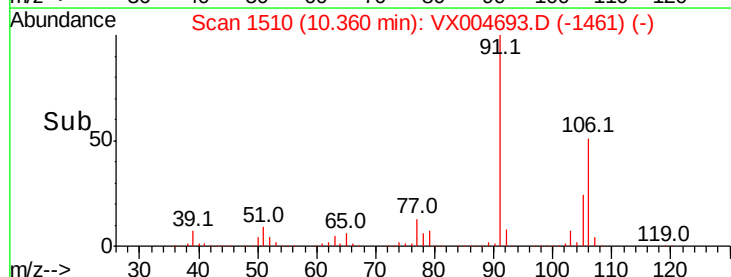
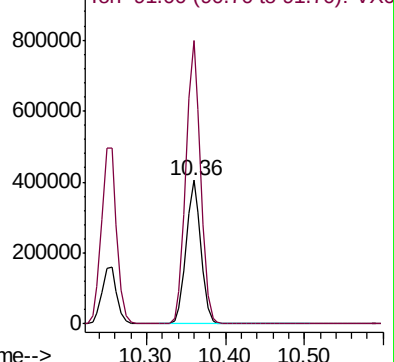
Ion Ratio Lower Upper

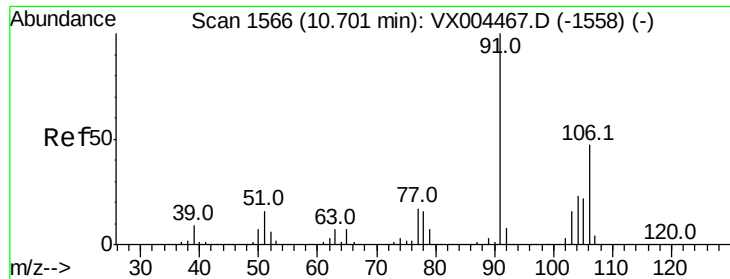
106 100

91 197.6 157.1 235.7



Abundance Ion 106.00 (105.70 to 106.70): VX004467.D (-1503) (-)

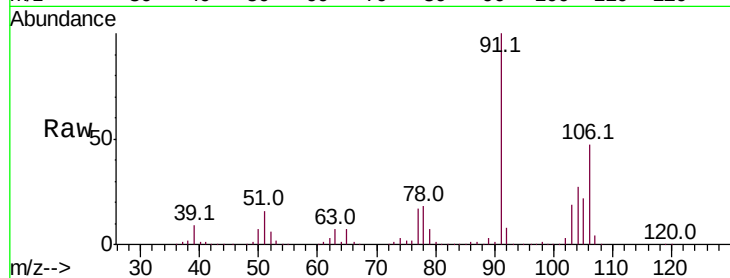




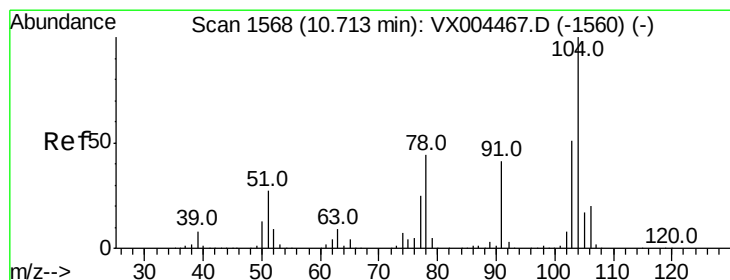
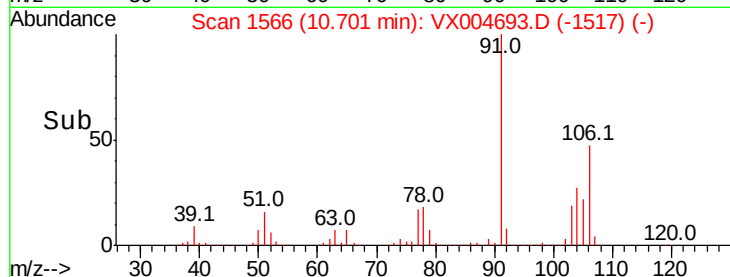
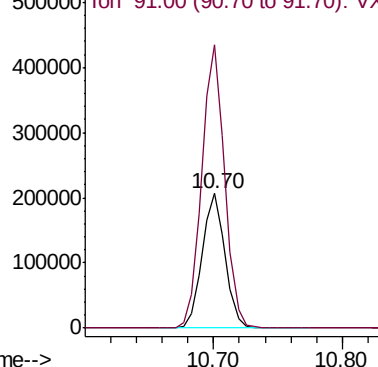
#69
o-Xylene
Concen: 55.987 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX004693.D
Acq: 19 Sep 2018 07:49

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:106 Resp: 257751
Ion Ratio Lower Upper
106 100
91 210.1 105.1 315.1

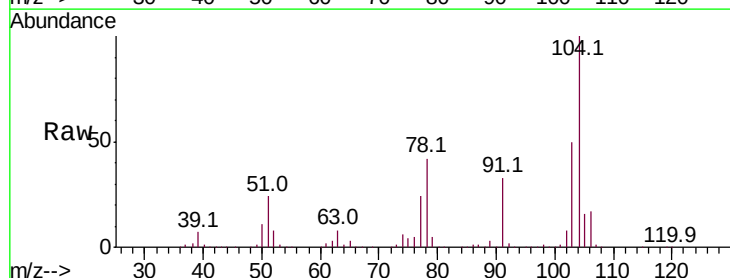


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

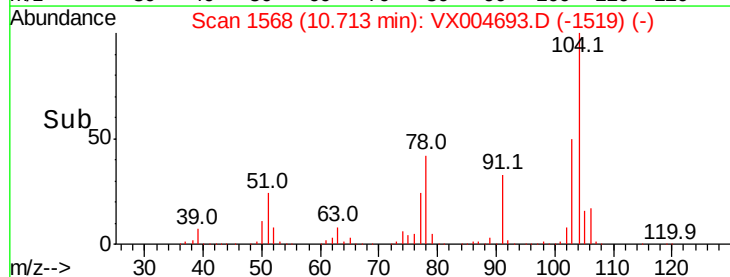
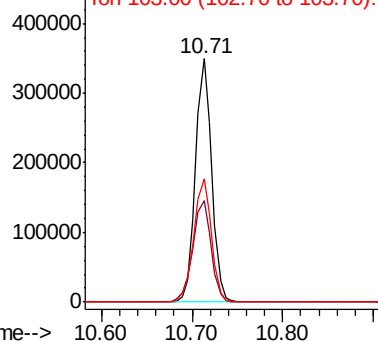


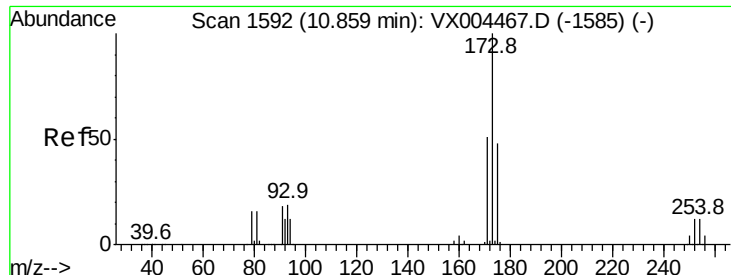
#70
Styrene
Concen: 57.222 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX004693.D
Acq: 19 Sep 2018 07:49

Tgt Ion:104 Resp: 436433
Ion Ratio Lower Upper
104 100
78 47.0 37.4 56.0
103 55.2 43.8 65.6



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





#71

Bromoform

Concen: 54.980 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX004693.D

Acq: 19 Sep 2018 07:49

Instrument :

MSVOA_X

ClientSampleId :

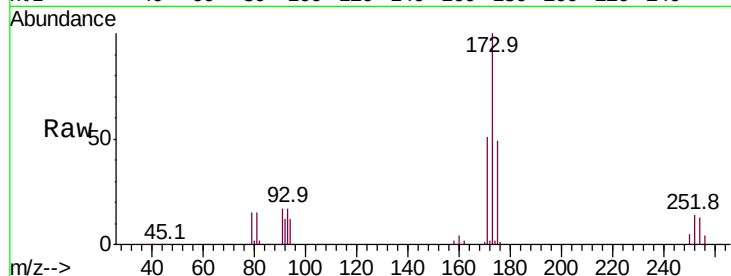
Tot Ion:173 Resp: 119020

Ion Ratio Lower Upper

173 100

175 48.6 24.1 72.3

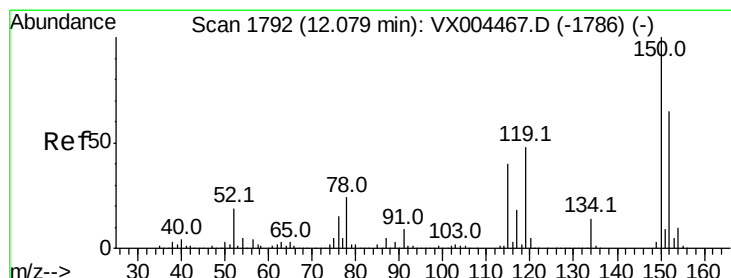
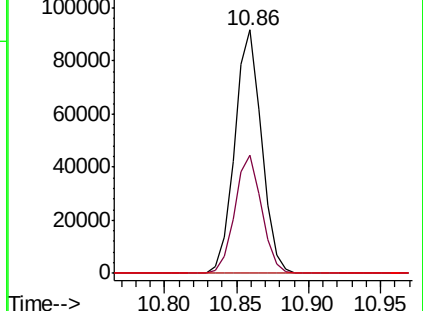
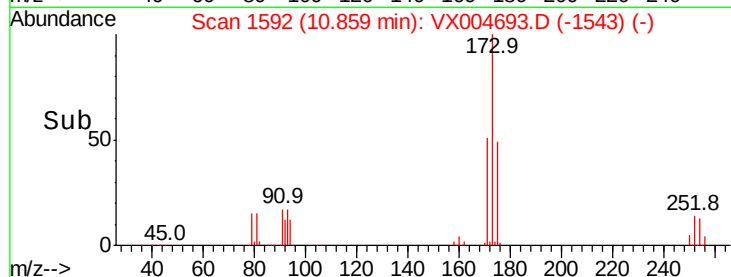
254 0.2 0.2 0.2



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX004693.D

Acq: 19 Sep 2018 07:49

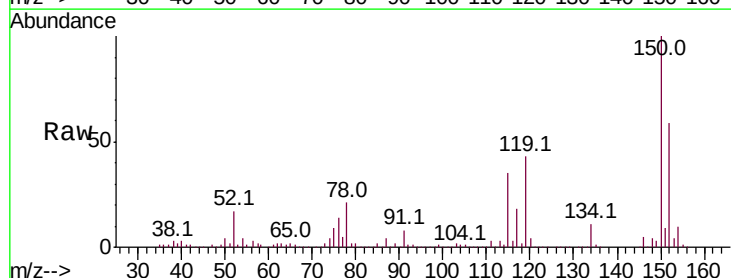
Tgt Ion:152 Resp: 222942

Ion Ratio Lower Upper

152 100

115 78.4 39.0 117.0

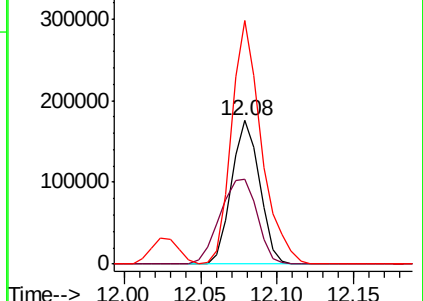
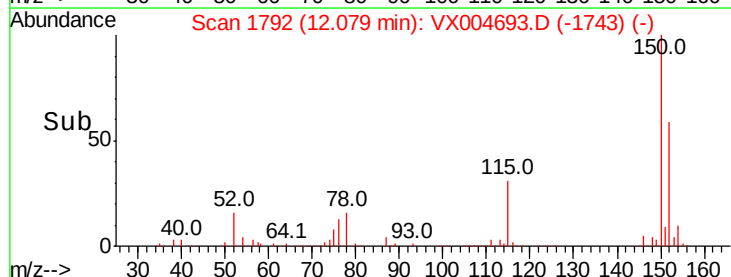
150 180.3 0.0 351.0

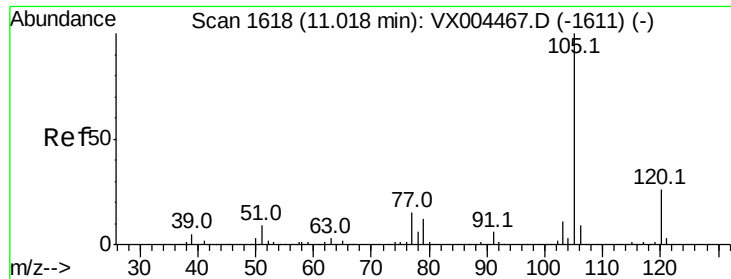


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

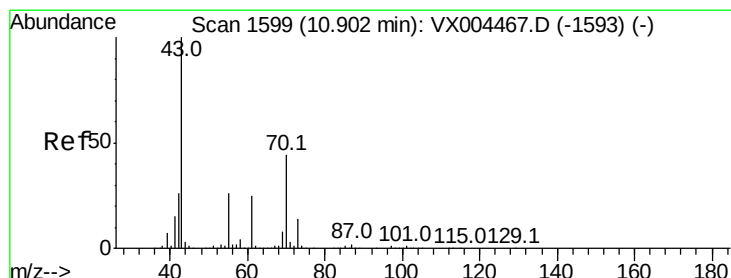
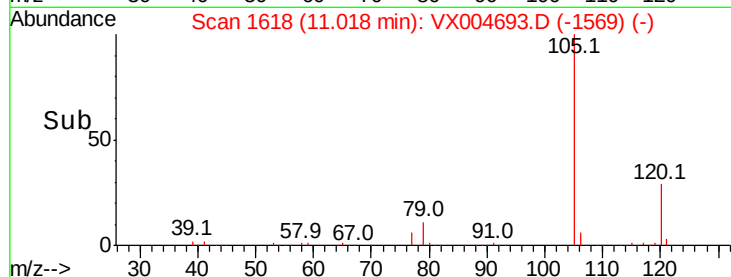
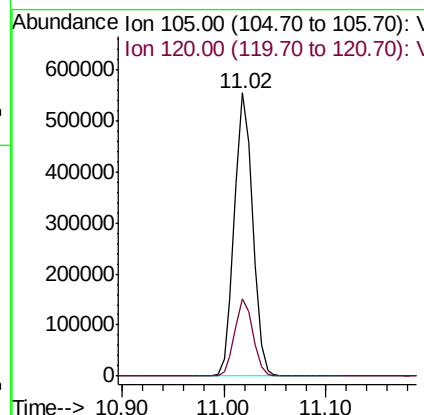
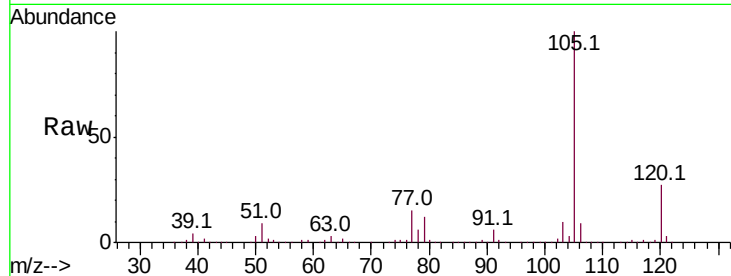




#73
Isopropylbenzene
Concen: 46.709 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VX004693.D
Acq: 19 Sep 2018 07:49

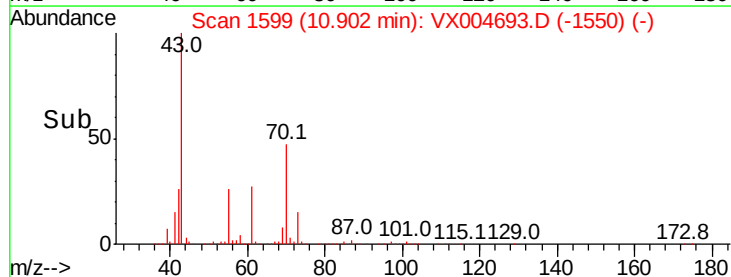
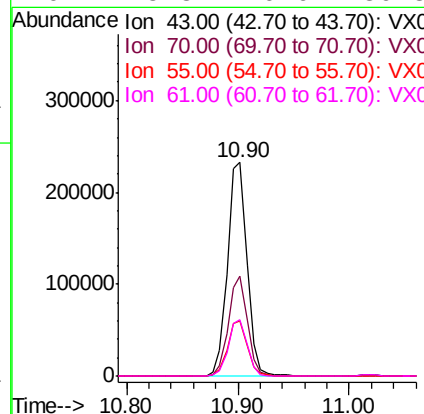
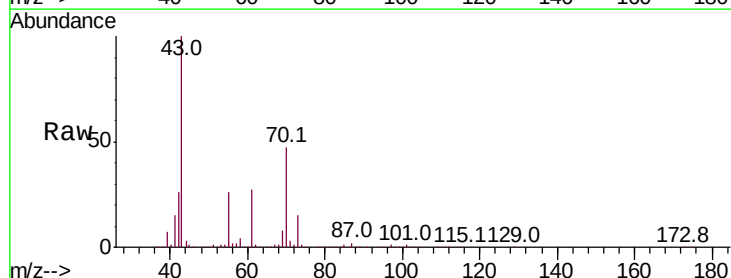
Instrument :
MSVOA_X
ClientSampleId :

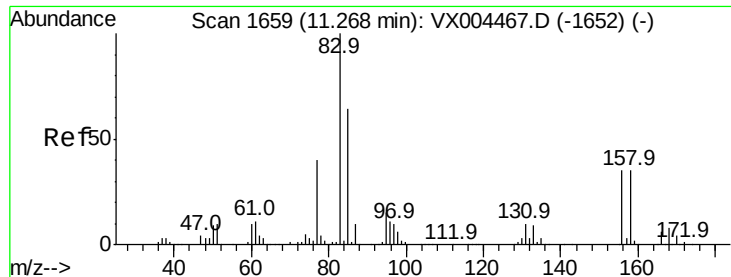
Tot Ion:105 Resp: 685820
Ion Ratio Lower Upper
105 100
120 27.0 13.5 40.4



#74
N-ethyl acetate
Concen: 45.448 ug/l
RT: 10.90 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VX004693.D
Acq: 19 Sep 2018 07:49

Tgt Ion: 43 Resp: 280872
Ion Ratio Lower Upper
43 100
70 45.3 37.4 56.0
55 26.3 21.8 32.8
61 25.8 20.6 30.8





#75

1,1,2,2-Tetrachloroethane

Concen: 42.855 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX004693.D

Acq: 19 Sep 2018 07:49

Instrument :

MSVOA_X

ClientSampleId :

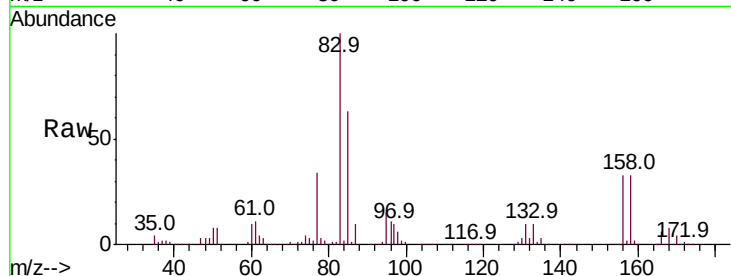
Tot Ion: 83 Resp: 202962

Ion Ratio Lower Upper

83 100

131 10.6 5.2 15.6

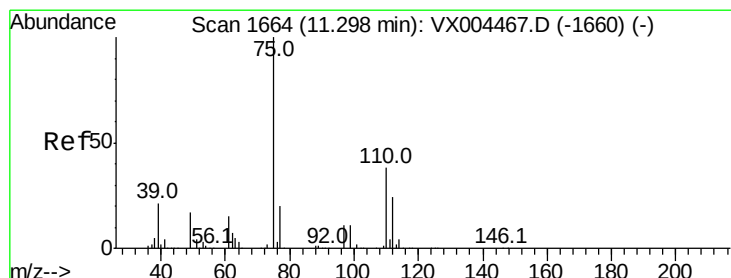
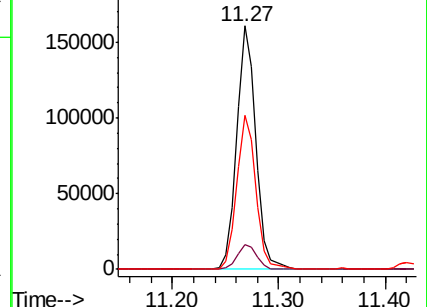
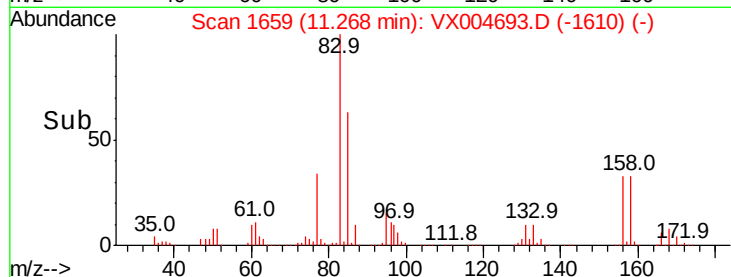
85 63.5 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 54.689 ug/l

RT: 11.30 min Scan# 1664

Delta R.T. 0.00 min

Lab File: VX004693.D

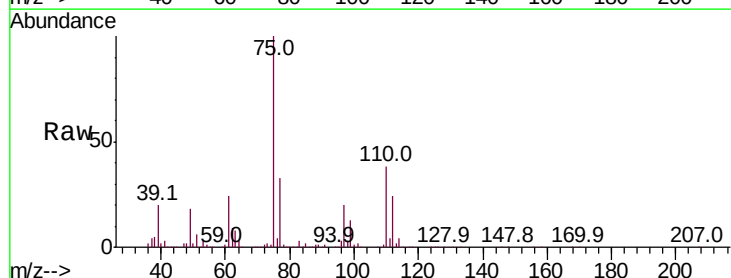
Acq: 19 Sep 2018 07:49

Tgt Ion: 75 Resp: 245303

Ion Ratio Lower Upper

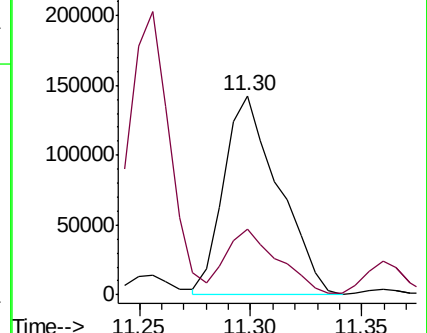
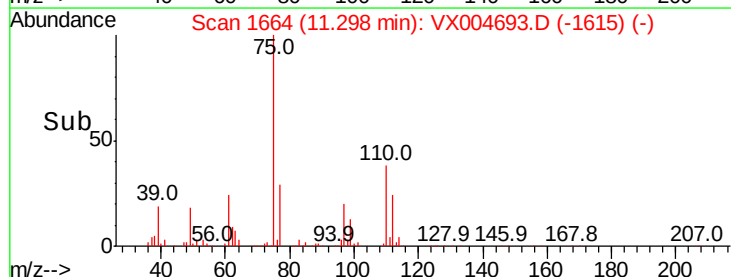
75 100

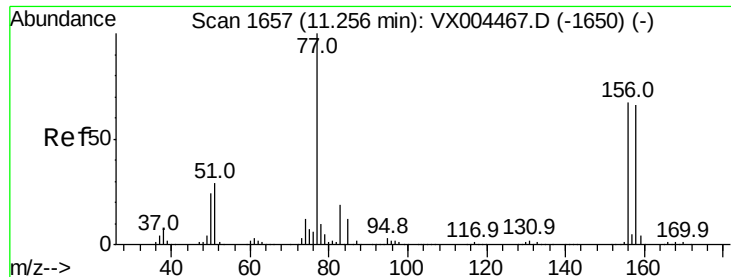
77 31.4 20.2 60.6



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 45.803 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX004693.D

Acq: 19 Sep 2018 07:49

Instrument :

MSVOA_X

ClientSampleId :

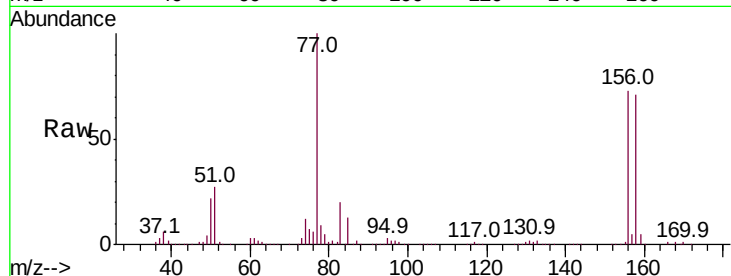
Tot Ion:156 Resp: 185882

Ion Ratio Lower Upper

156 100

77 141.3 71.5 214.3

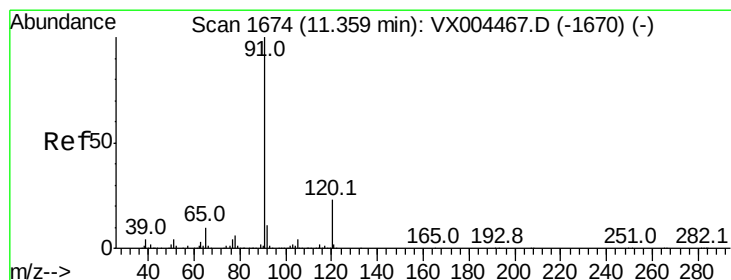
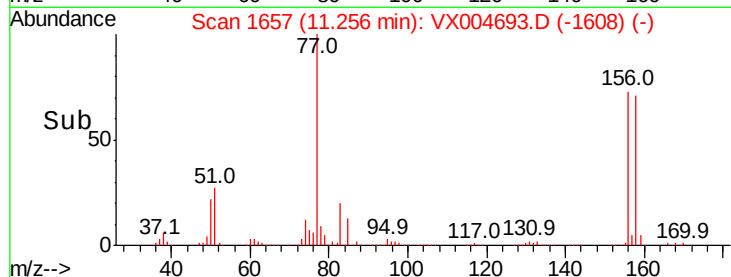
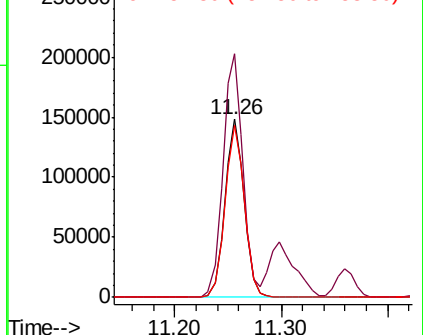
158 98.1 48.9 146.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 45.903 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX004693.D

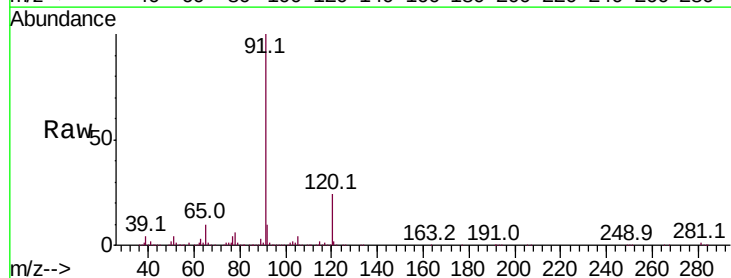
Acq: 19 Sep 2018 07:49

Tgt Ion: 91 Resp: 774946

Ion Ratio Lower Upper

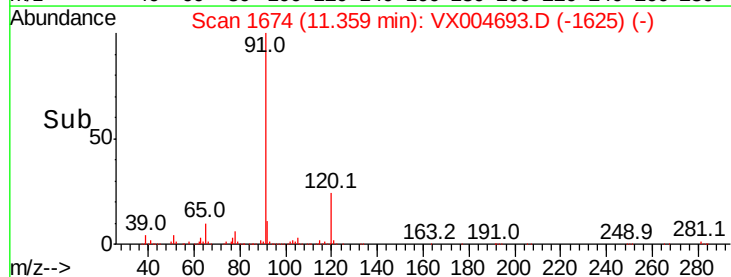
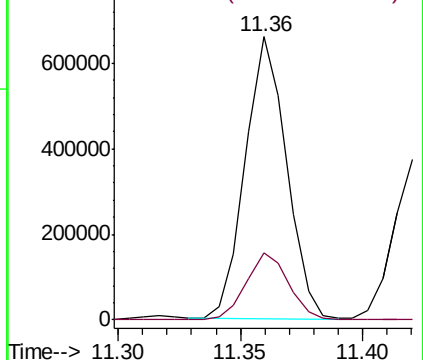
91 100

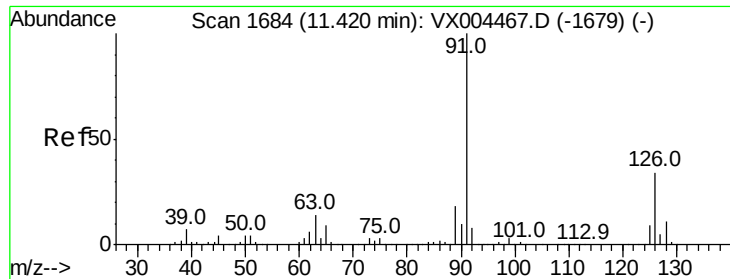
120 24.3 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 45.063 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX004693.D

Acq: 19 Sep 2018 07:49

Instrument :

MSVOA_X

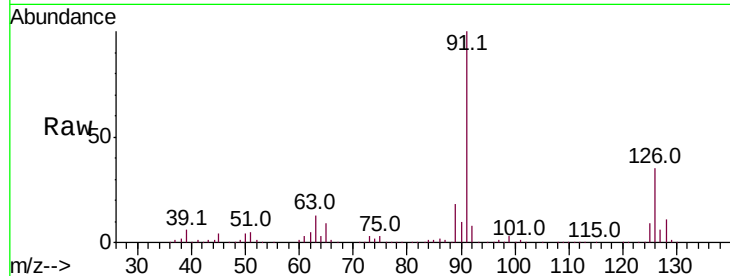
ClientSampleId :

Tot Ion: 91 Resp: 461400

Ion Ratio Lower Upper

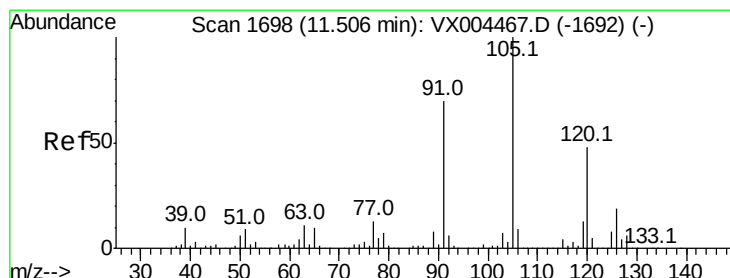
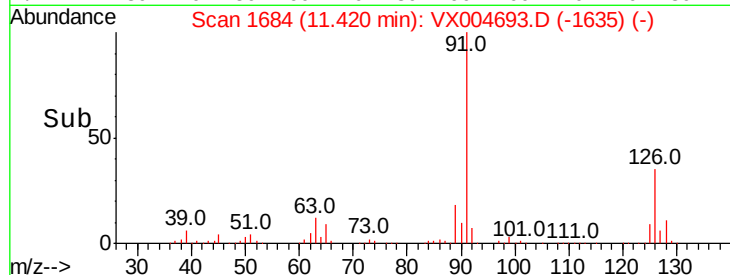
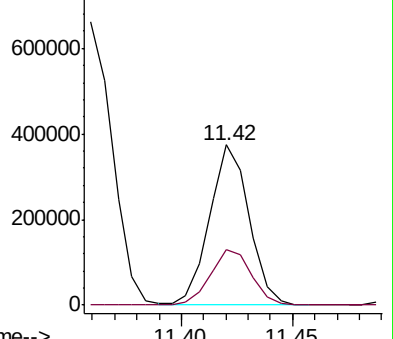
91 100

126 36.0 17.9 53.7



Abundance Ion 91.00 (90.70 to 91.70): VX004467.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX004467.D (-1679) (-)



#80

1,3,5-Trimethylbenzene

Concen: 48.790 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX004693.D

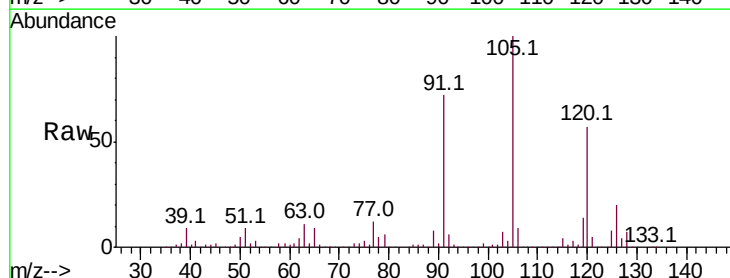
Acq: 19 Sep 2018 07:49

Tgt Ion:105 Resp: 602220

Ion Ratio Lower Upper

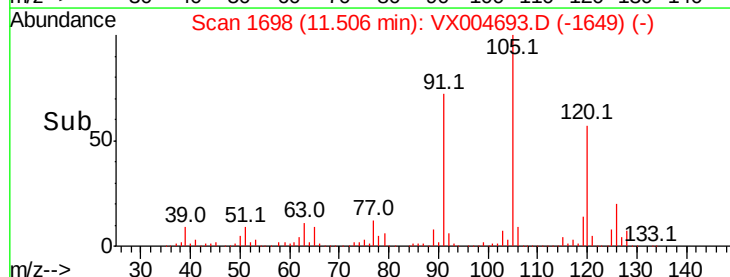
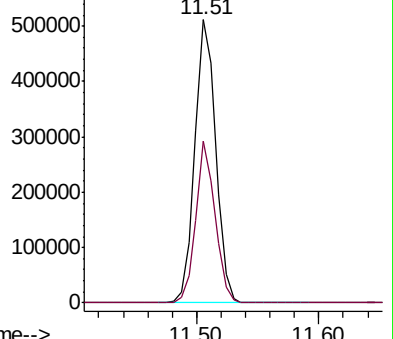
105 100

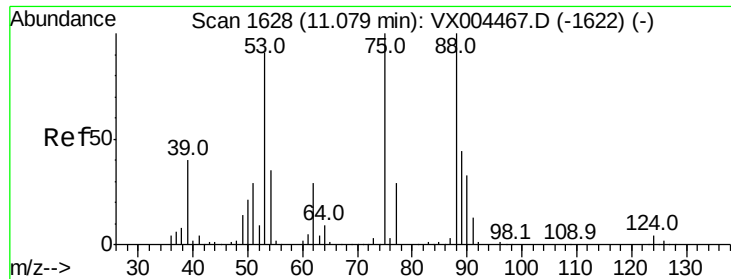
120 52.5 25.6 76.8



Abundance Ion 105.00 (104.70 to 105.70): VX004467.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX004467.D (-1692) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 39.998 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.01 min

Lab File: VX004693.D

Acq: 19 Sep 2018 07:49

Instrument :

MSVOA_X

ClientSampled :

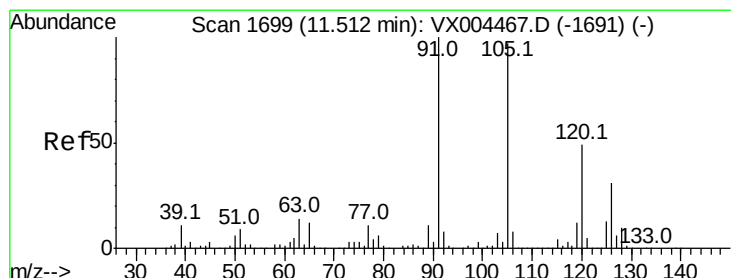
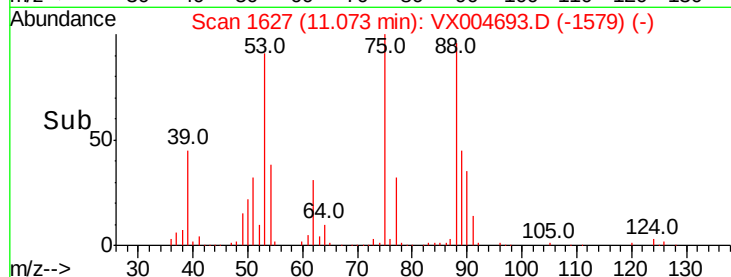
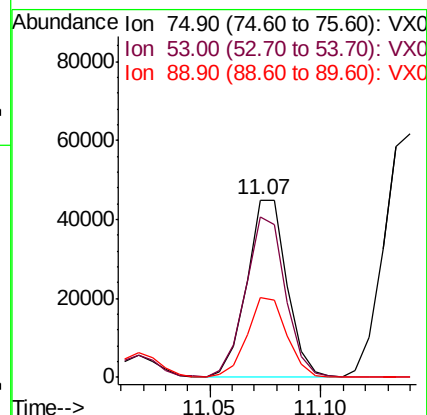
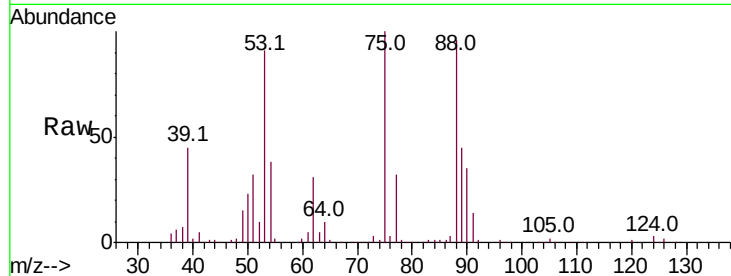
Tot Ion: 75 Resp: 56285

Ion Ratio Lower Upper

75 100

53 90.5 80.1 120.1

89 44.8 37.2 55.8



#82

4-Chlorotoluene

Concen: 46.747 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VX004693.D

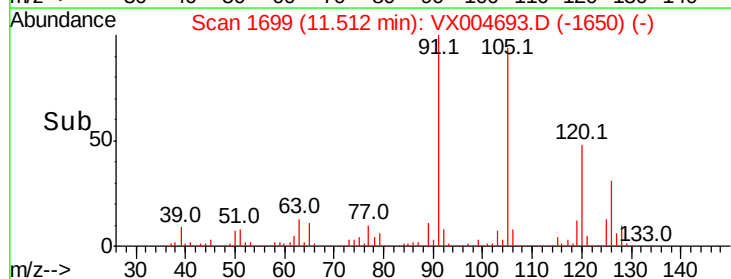
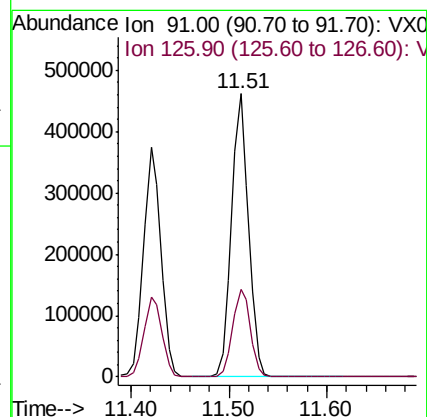
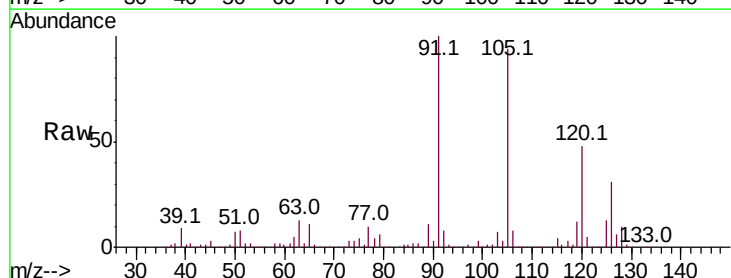
Acq: 19 Sep 2018 07:49

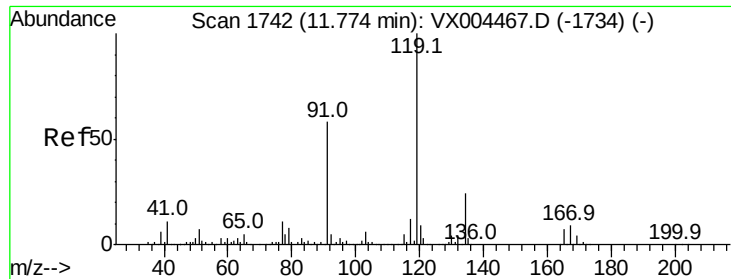
Tgt Ion: 91 Resp: 558634

Ion Ratio Lower Upper

91 100

126 32.2 15.5 46.5

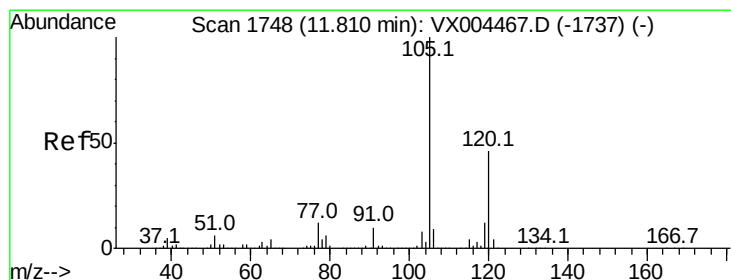
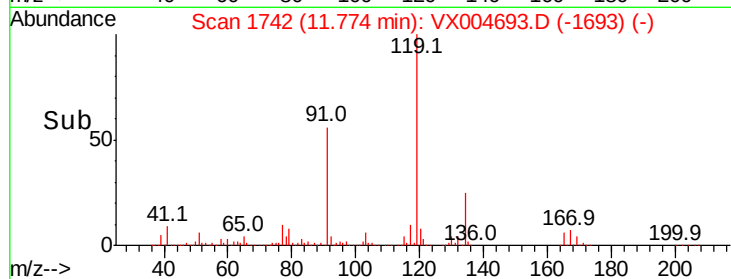
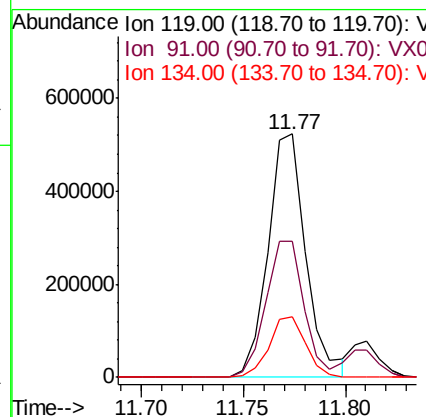
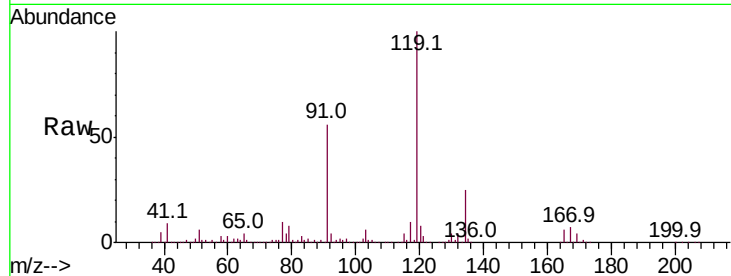




#83
 tert-Butylbenzene
 Concen: 57.697 ug/l
 RT: 11.77 min Scan# 1742
 Delta R.T. 0.00 min
 Lab File: VX004693.D
 Acq: 19 Sep 2018 07:49

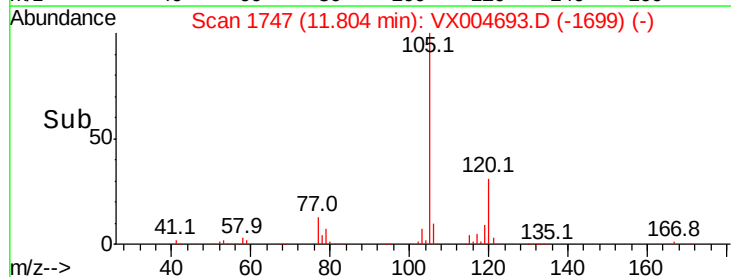
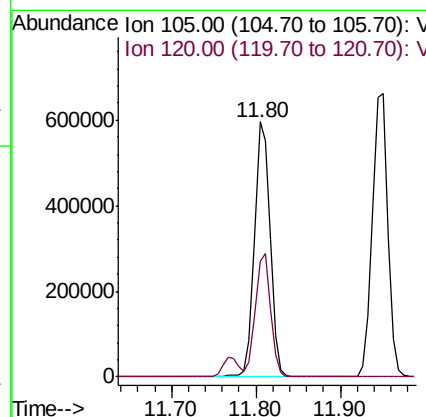
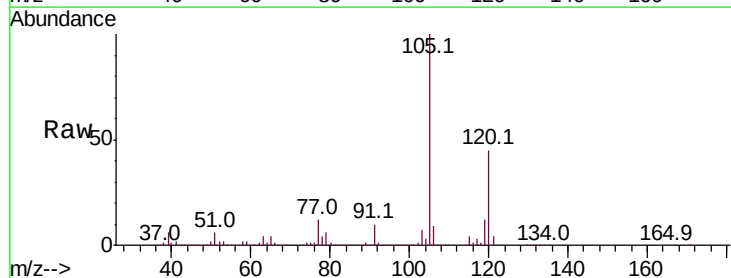
Instrument :
 MSVOA_X
 ClientSampleId :

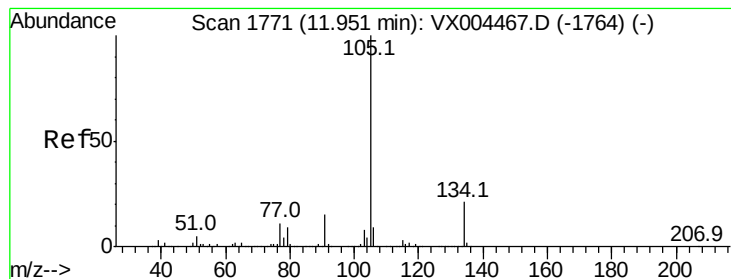
Tot Ion:119 Resp: 678009
 Ion Ratio Lower Upper
 119 100
 91 56.4 27.0 81.0
 134 24.1 11.7 35.1



#84
 1,2,4-Trimethylbenzene
 Concen: 57.856 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.01 min
 Lab File: VX004693.D
 Acq: 19 Sep 2018 07:49

Tgt Ion:105 Resp: 729120
 Ion Ratio Lower Upper
 105 100
 120 47.4 23.2 69.6





#85

sec-Butylbenzene

Concen: 56.705 ug/l

RT: 11.95 min Scan# 1771

Delta R.T. 0.00 min

Lab File: VX004693.D

Acq: 19 Sep 2018 07:49

Instrument :

MSVOA_X

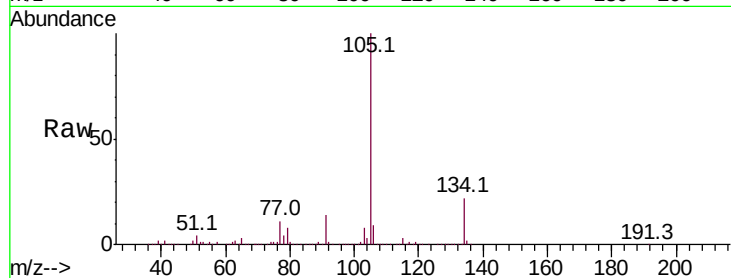
ClientSampleId :

Tot Ion:105 Resp: 849139

Ion Ratio Lower Upper

105 100

134 21.7 10.5 31.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.95

600000

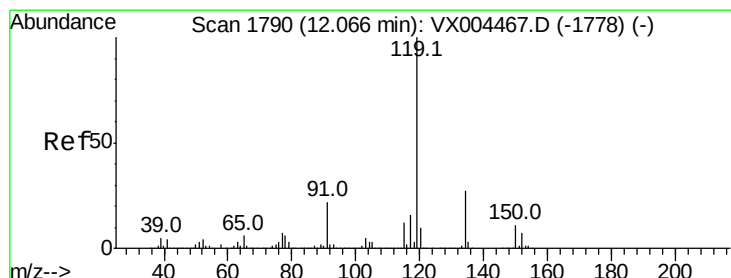
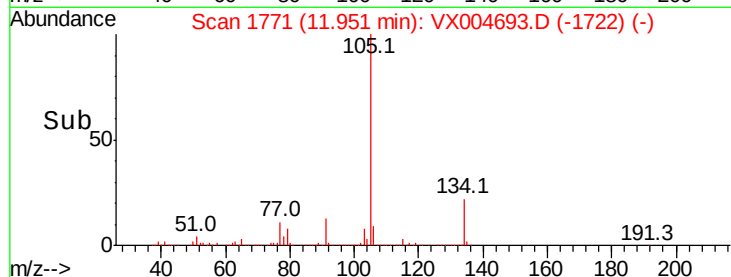
400000

200000

0

Time-->

11.90 12.00



#86

p-Isopropyltoluene

Concen: 60.283 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. 0.00 min

Lab File: VX004693.D

Acq: 19 Sep 2018 07:49

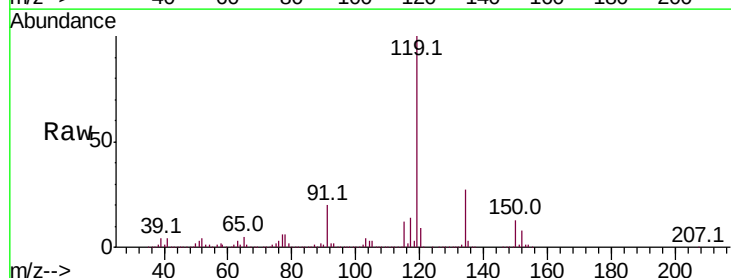
Tgt Ion:119 Resp: 797162

Ion Ratio Lower Upper

119 100

134 26.3 13.4 40.2

91 21.0 10.9 32.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

12.07

800000

600000

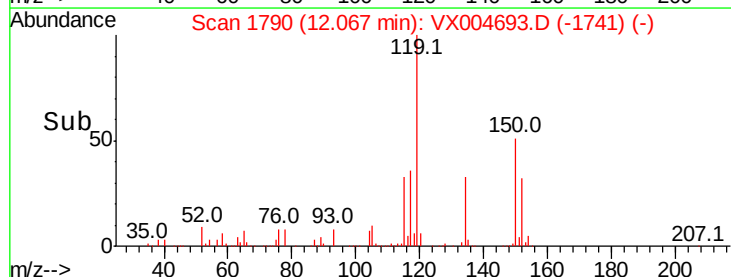
400000

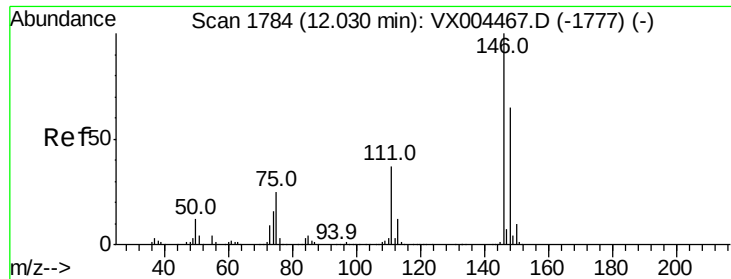
200000

0

Time-->

11.90 12.00 12.10 12.20

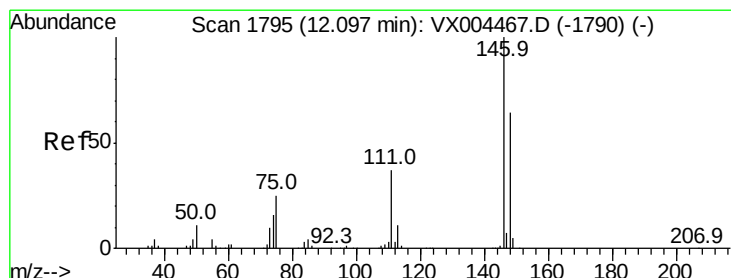
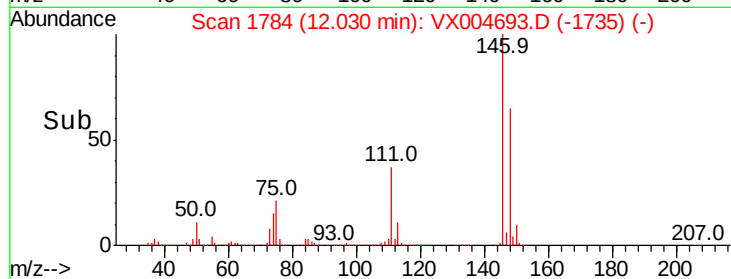
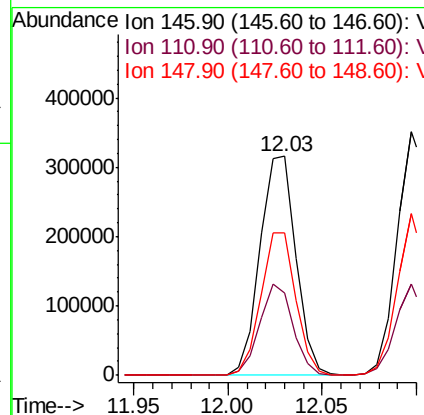
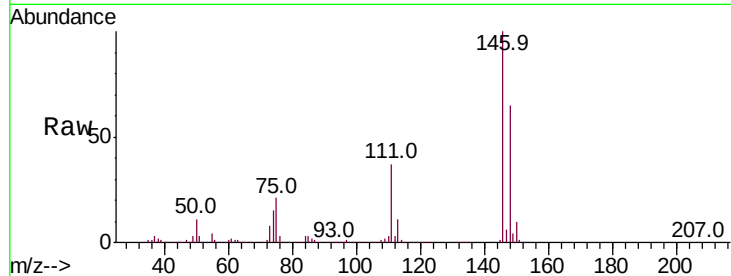




#87
 1,3-Dichlorobenzene
 Concen: 55.307 ug/l
 RT: 12.03 min Scan# 1784
 Delta R.T. 0.00 min
 Lab File: VX004693.D
 Acq: 19 Sep 2018 07:49

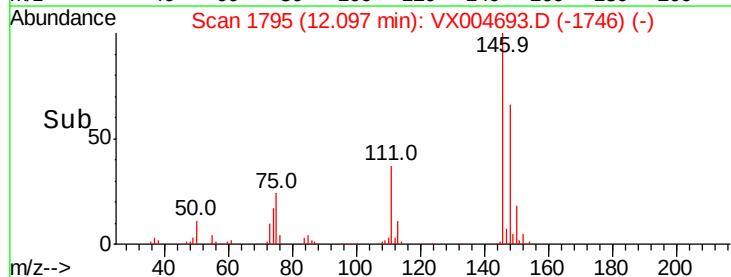
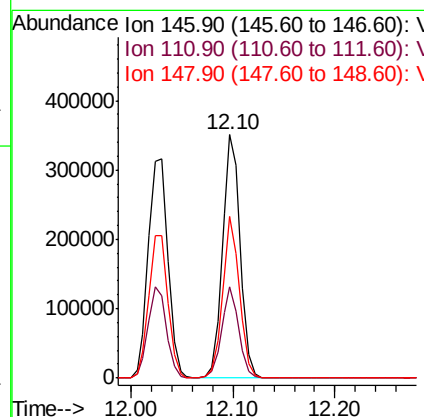
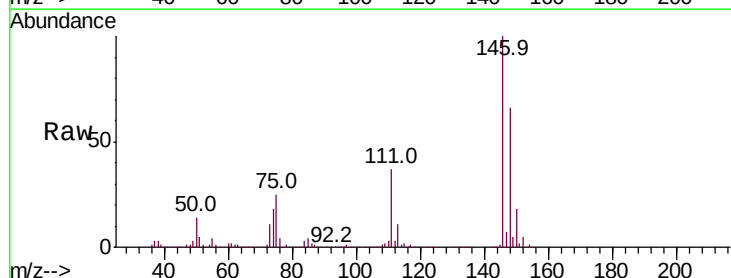
Instrument :
 MSVOA_X
 ClientSampleId :

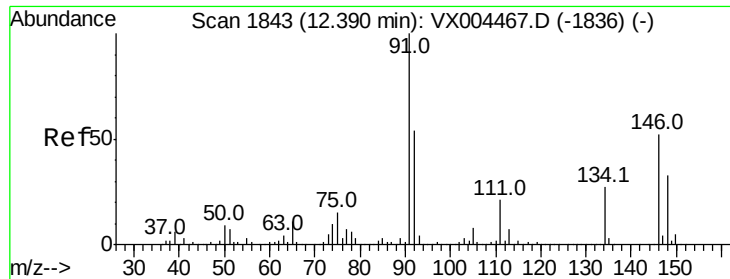
Tot Ion:146 Resp: 418779
 Ion Ratio Lower Upper
 146 100
 111 38.7 18.7 56.1
 148 63.6 32.1 96.5



#88
 1,4-Dichlorobenzene
 Concen: 54.602 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX004693.D
 Acq: 19 Sep 2018 07:49

Tgt Ion:146 Resp: 427199
 Ion Ratio Lower Upper
 146 100
 111 36.4 18.1 54.1
 148 63.5 32.0 96.0

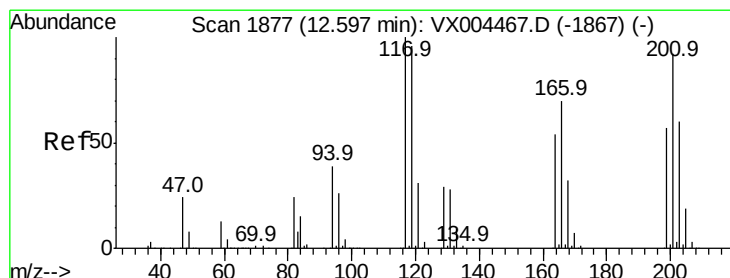
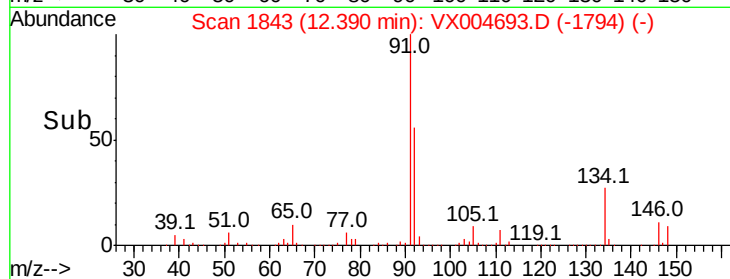
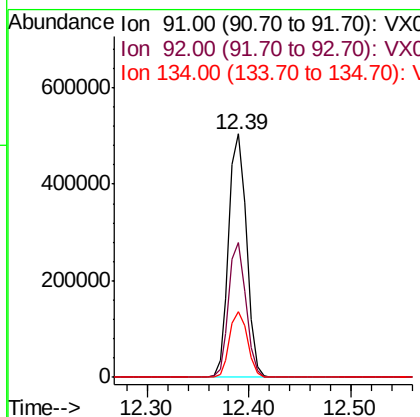
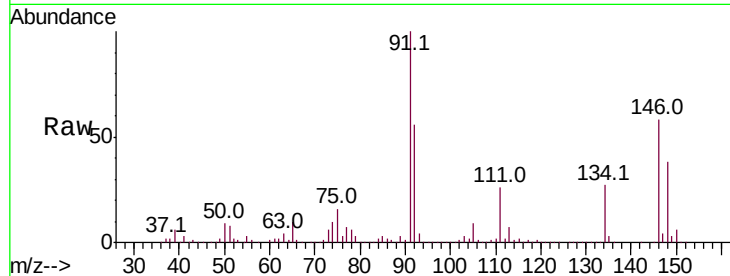




#89
n-Butylbenzene
Concen: 50.352 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX004693.D
Acq: 19 Sep 2018 07:49

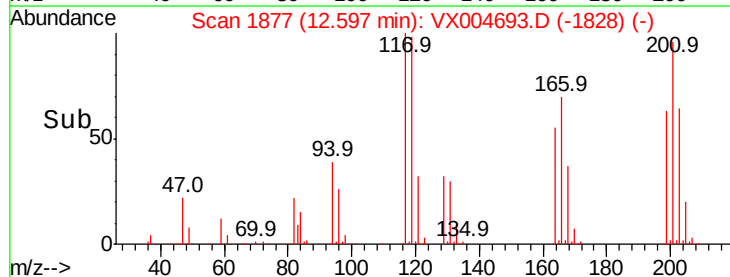
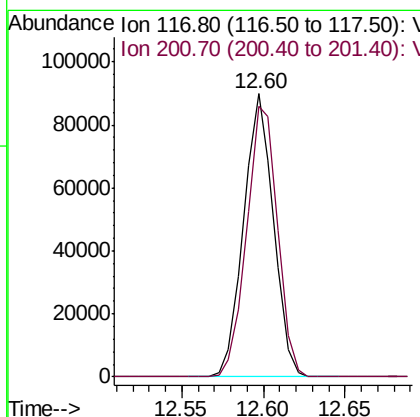
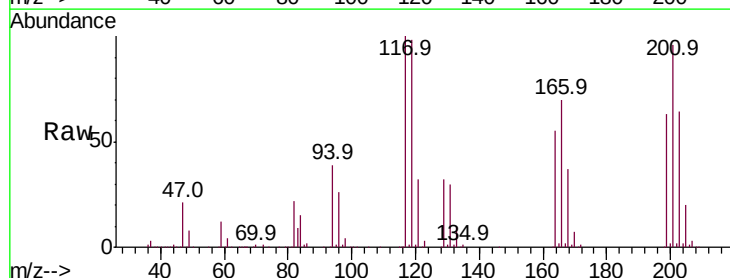
Instrument :
MSVOA_X
ClientSampleId :

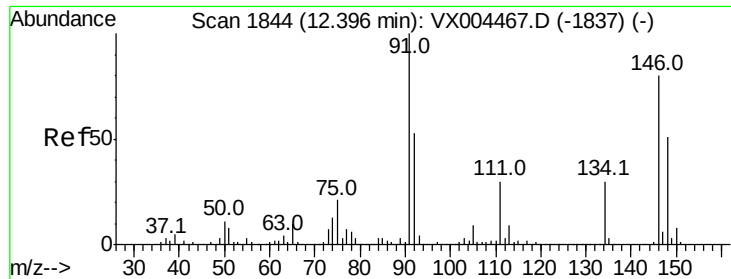
Tot Ion: 91 Resp: 606753
Ion Ratio Lower Upper
91 100
92 53.8 27.3 81.9
134 27.2 13.6 40.7



#90
Hexachloroethane
Concen: 54.077 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX004693.D
Acq: 19 Sep 2018 07:49

Tgt Ion: 117 Resp: 114479
Ion Ratio Lower Upper
117 100
201 99.2 46.9 140.6

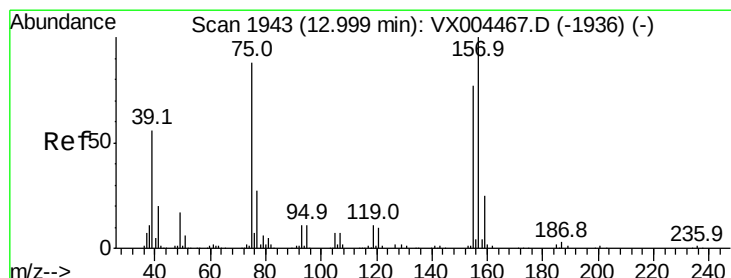
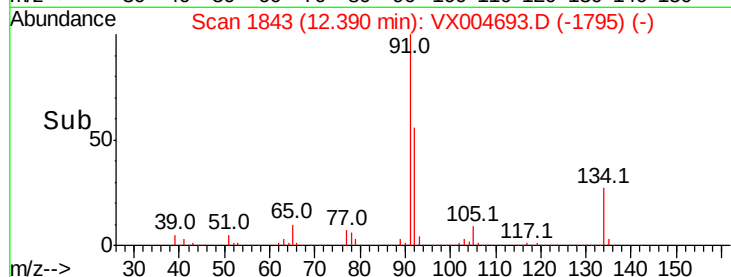
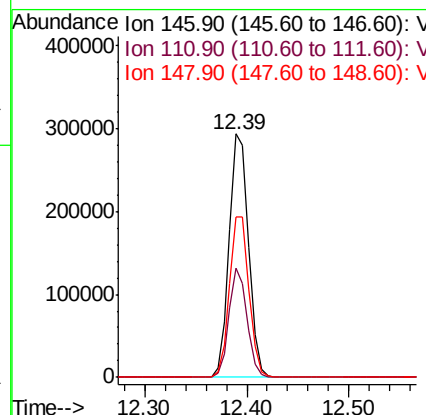
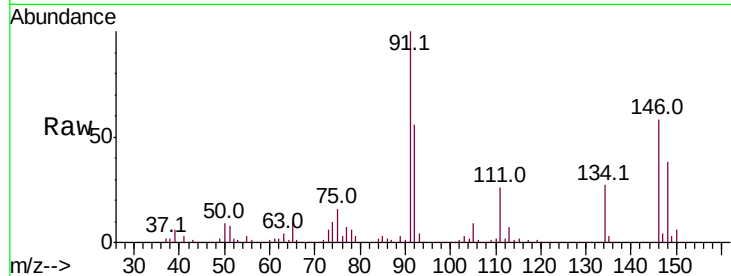




#91
 1,2-Dichlorobenzene
 Concen: 50.323 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.01 min
 Lab File: VX004693.D
 Acq: 19 Sep 2018 07:49

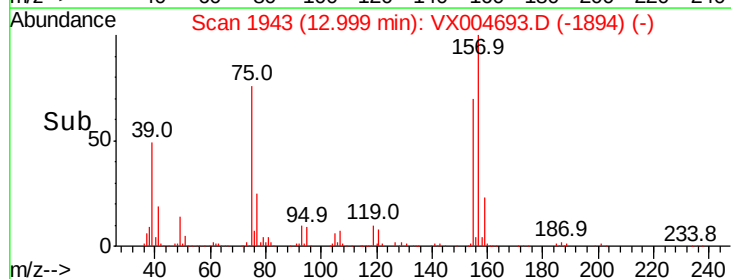
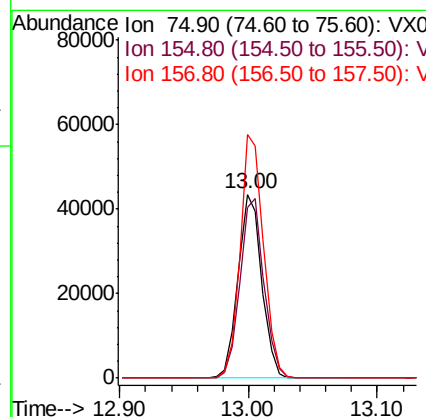
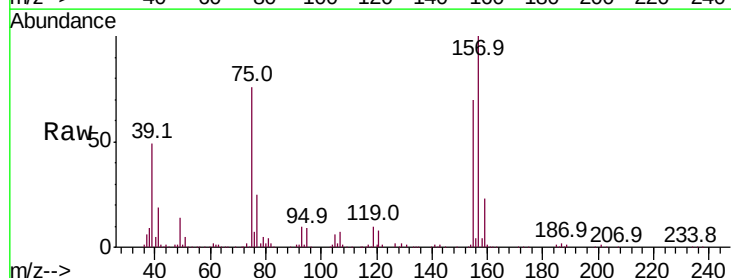
Instrument :
 MSVOA_X
 ClientSampleId :

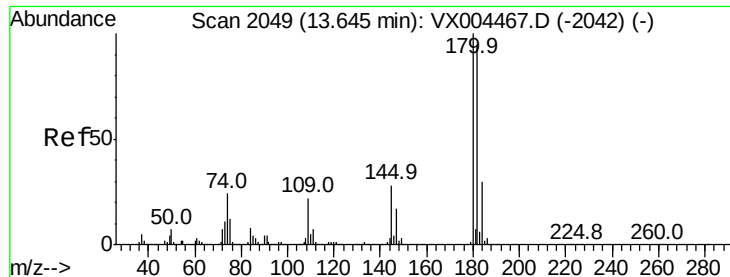
Tot Ion:146 Resp: 385668
 Ion Ratio Lower Upper
 146 100
 111 41.6 19.4 58.1
 148 66.4 32.8 98.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 55.157 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX004693.D
 Acq: 19 Sep 2018 07:49

Tgt Ion: 75 Resp: 55777
 Ion Ratio Lower Upper
 75 100
 155 98.2 48.0 144.2
 157 130.1 61.4 184.1

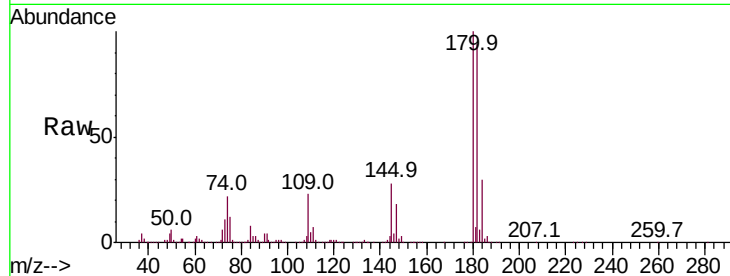




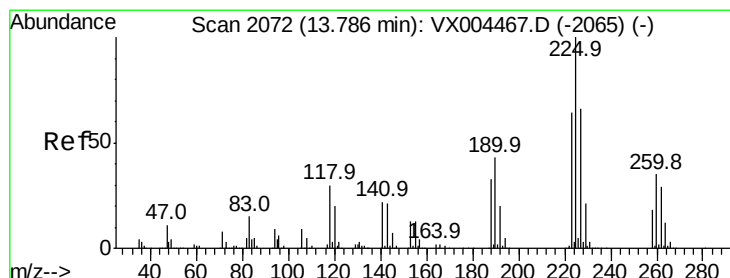
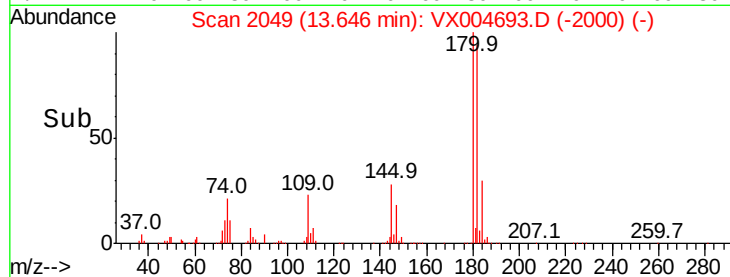
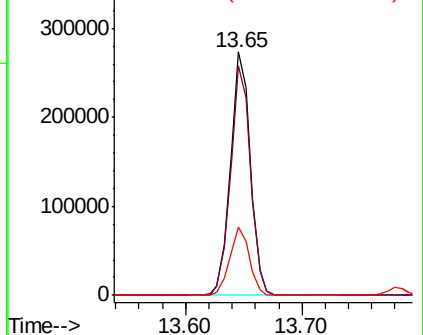
#93
 1,2,4-Trichlorobenzene
 Concen: 59.744 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX004693.D
 Acq: 19 Sep 2018 07:49

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.7	48.4	145.0
145	27.7	14.3	42.9

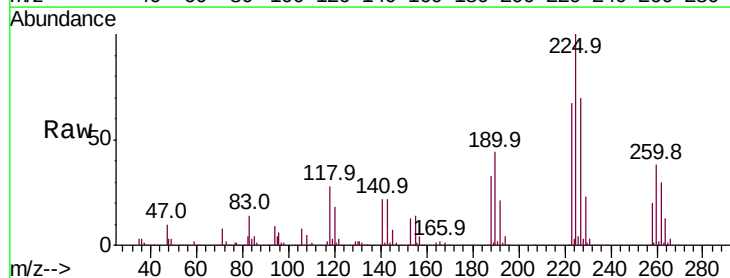


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

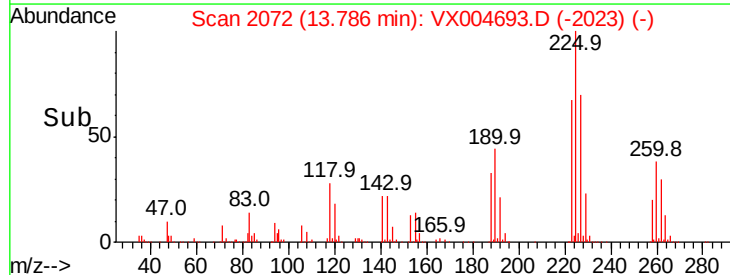
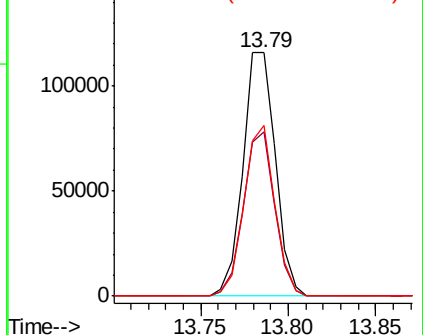


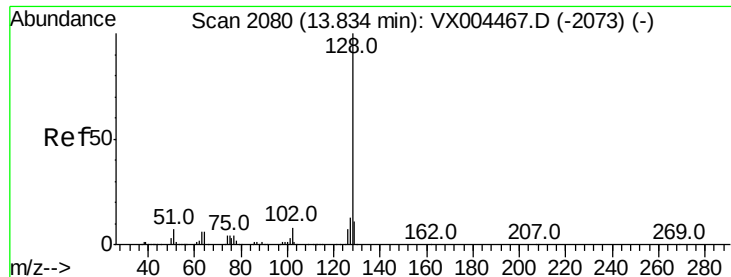
#94
 Hexachlorobutadiene
 Concen: 52.585 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. 0.00 min
 Lab File: VX004693.D
 Acq: 19 Sep 2018 07:49

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.1	30.1	90.5
227	66.3	30.8	92.4



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





#95

Naphthalene

Concen: 62.615 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX004693.D

Acq: 19 Sep 2018 07:49

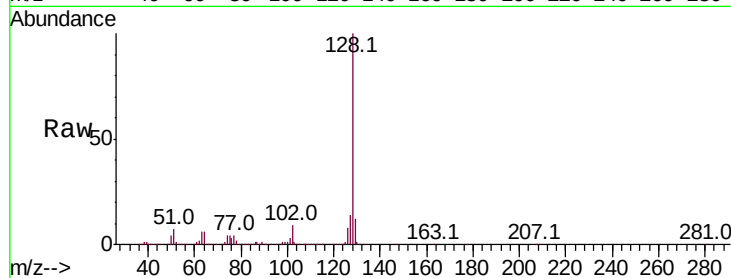
Instrument :

MSVOA_X

ClientSampled :

Tot Ion:128 Resp: 953008

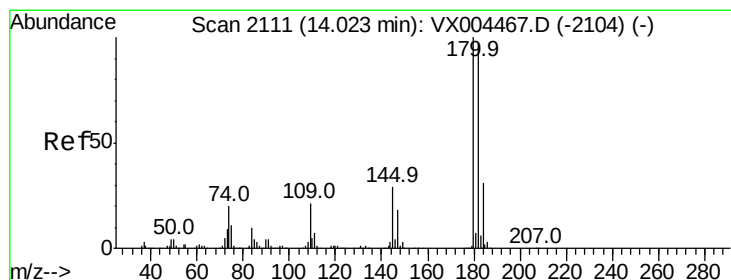
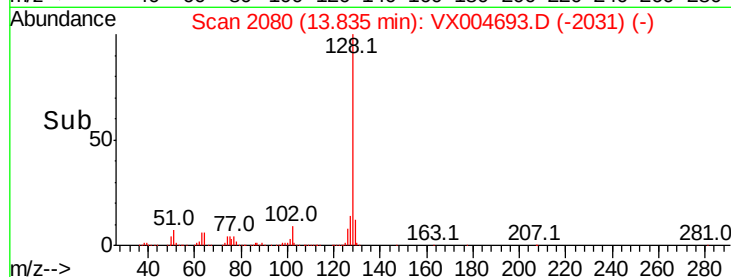
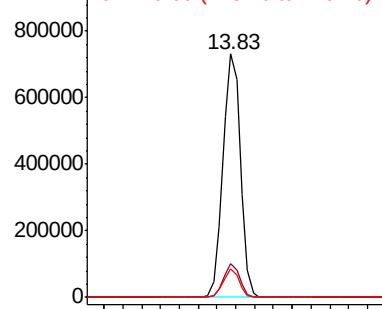
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.2
129	10.7	8.6	12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 58.317 ug/l

RT: 14.02 min Scan# 2111

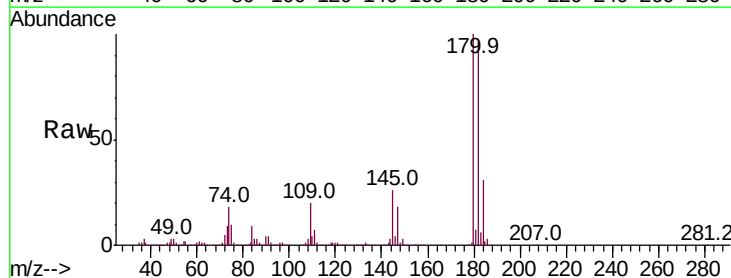
Delta R.T. 0.00 min

Lab File: VX004693.D

Acq: 19 Sep 2018 07:49

Tgt Ion:180 Resp: 325122

Ion	Ratio	Lower	Upper
180	100		
182	96.1	48.5	145.6
145	29.6	14.9	44.9



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

