

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091518\
 Data File : VX004577.D
 Acq On : 15 Sep 2018 11:33
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Quant Time: Sep 17 07:14:21 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	5.66	168	274113	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	342510	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	318956	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	240515	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	178638	50.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.08%	
35) Dibromofluoromethane	5.49	113	157950	50.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.78%	
50) Toluene-d8	8.71	98	524328	49.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.76%	
62) 4-Bromofluorobenzene	11.14	95	193371	51.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	133273	51.88	ug/l	99
3) Chloromethane	1.32	50	165273	46.75	ug/l	93
4) Vinyl Chloride	1.40	62	180032	49.61	ug/l	98
5) Bromomethane	1.64	94	78100	51.44	ug/l	93
6) Chloroethane	1.72	64	114181	48.66	ug/l	97
7) Trichlorofluoromethane	1.93	101	241278	50.16	ug/l	97
8) Diethyl Ether	2.18	74	109004	50.54	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.38	101	161288	52.85	ug/l	98
10) Methyl Iodide	2.51	142	147265	41.19	ug/l	96
11) Tert butyl alcohol	3.06	59	191798	227.42	ug/l	99
12) 1,1-Dichloroethene	2.37	96	151333	52.84	ug/l	85
13) Acrolein	2.29	56	79704	239.41	ug/l	97
14) Allyl chloride	2.73	41	291665	49.53	ug/l	96
15) Acrylonitrile	3.14	53	481625	237.15	ug/l	99
16) Acetone	2.44	43	439926	255.02	ug/l	98
17) Carbon Disulfide	2.57	76	423623	51.17	ug/l	99
18) Methyl Acetate	2.78	43	235009	48.56	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	514634	51.21	ug/l	98
20) Methylene Chloride	2.85	84	172053	48.62	ug/l	93
21) trans-1,2-Dichloroethene	3.16	96	164229	51.89	ug/l	95
22) Diisopropyl ether	3.87	45	532891	50.25	ug/l	98
23) Vinyl Acetate	3.82	43	2255368	262.79	ug/l	99
24) 1,1-Dichloroethane	3.70	63	308443	51.51	ug/l	99
25) 2-Butanone	4.70	43	628782	229.02	ug/l	93
26) 2,2-Dichloropropane	4.59	77	237171	57.67	ug/l	98
27) cis-1,2-Dichloroethene	4.59	96	184945	52.35	ug/l	99
28) Bromochloromethane	5.02	49	138056	50.41	ug/l	99
29) Tetrahydrofuran	5.15	42	397182	239.89	ug/l	97
30) Chloroform	5.21	83	291824	49.92	ug/l	100
31) Cyclohexane	5.57	56	295067	57.71	ug/l	87
32) 1,1,1-Trichloroethane	5.49	97	250177	53.14	ug/l	99
36) 1,1-Dichloropropene	5.80	75	223326	53.71	ug/l	98
37) Ethyl Acetate	4.85	43	227893	48.19	ug/l	99
38) Carbon Tetrachloride	5.79	117	210313	51.78	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	259126	59.72	ug/l	90
40) Benzene	6.14	78	692658	56.14	ug/l	96
41) Methacrylonitrile	5.06	41	132738	50.94	ug/l	98
42) 1,2-Dichloroethane	6.20	62	218143	53.31	ug/l	99
43) Isopropyl Acetate	6.46	43	364759	58.07	ug/l	99
44) Trichloroethene	7.21	130	166620	51.98	ug/l	95
45) 1,2-Dichloropropane	7.51	63	155135	52.26	ug/l	100
46) Dibromomethane	7.66	93	96214	51.30	ug/l	99
47) Bromodichloromethane	7.90	83	185374	52.27	ug/l	100
48) Methyl methacrylate	7.77	41	161401	51.92	ug/l	98
49) 1,4-Dioxane	7.75	88	74100	1007.11	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	1016555	229.32	ug/l	99
52) Toluene	8.79	92	372120	51.19	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	215746	52.07	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	237328	56.19	ug/l	96
55) 1,1,2-Trichloroethane	9.21	97	149954	47.91	ug/l	98
56) Ethyl methacrylate	9.18	69	227309	51.34	ug/l	98
57) 1,3-Dichloropropane	9.37	76	248863	48.94	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	340730	153.92	ug/l	96
59) 2-Hexanone	9.49	43	787283	231.54	ug/l	99
60) Dibromochloromethane	9.59	129	153558	52.11	ug/l	100
61) 1,2-Dibromoethane	9.67	107	153671	51.40	ug/l	99
64) Tetrachloroethene	9.34	164	187298	47.03	ug/l	99
65) Chlorobenzene	10.14	112	422212	53.29	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.23	131	147185	53.87	ug/l	100
67) Ethyl Benzene	10.25	91	720590	55.94	ug/l	98
68) m/p-Xylenes	10.36	106	563953	113.65	ug/l	97
69) o-Xylene	10.70	106	272757	57.17	ug/l	100
70) Styrene	10.71	104	454289	57.48	ug/l	98
71) Bromoform	10.86	173	121068	53.97	ug/l	100
73) Isopropylbenzene	11.02	105	740466	46.75	ug/l	100
74) N-amyl acetate	10.90	43	288278	43.24	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.27	83	211807	41.45	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	258800	53.48	ug/l	86
77) Bromobenzene	11.26	156	195505	44.65	ug/l	99
78) n-propylbenzene	11.36	91	861854	47.32	ug/l	100
79) 2-Chlorotoluene	11.42	91	495403	44.85	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	624757	46.92	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	68911	45.39	ug/l	94
82) 4-Chlorotoluene	11.51	91	581919	45.14	ug/l	98
83) tert-Butylbenzene	11.77	119	704007	55.53	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	768329	56.51	ug/l	98
85) sec-Butylbenzene	11.94	105	924280	57.21	ug/l	99
86) p-Isopropyltoluene	12.07	119	870688	61.03	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	433055	53.01	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	440377	52.17	ug/l	98
89) n-Butylbenzene	12.39	91	667333	51.33	ug/l	99
90) Hexachloroethane	12.60	117	115751	50.68	ug/l	94
91) 1,2-Dichlorobenzene	12.39	146	380683	46.04	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.00	75	53278	48.84	ug/l	91

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Quant Title : SW846 8260
QLast Update : Wed Sep 12 02:17:23 2018
Response via : Initial Calibration

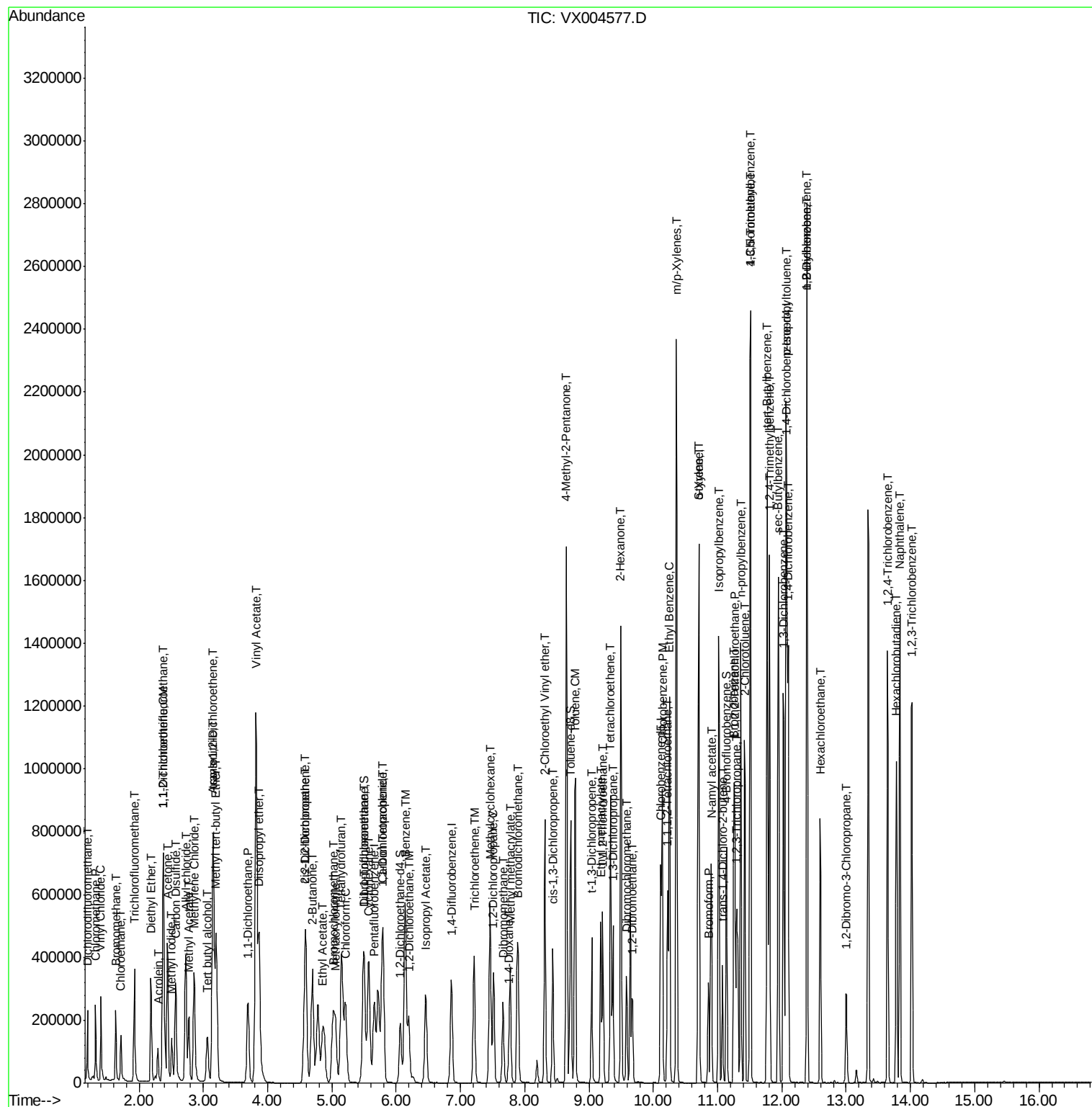
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	346844	59.25	ug/l	98
94) Hexachlorobutadiene	13.79	225	176539	57.73	ug/l	98
95) Naphthalene	13.83	128	915318	55.74	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	335367	55.76	ug/l	98

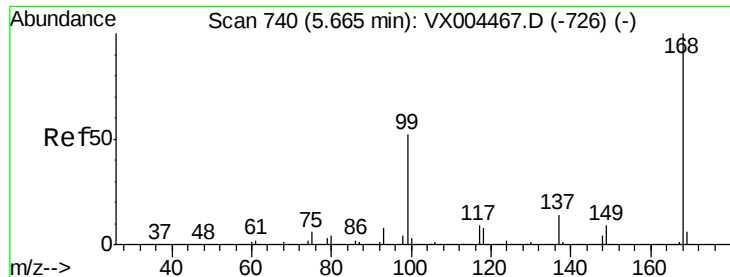
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX004577.D

Acq: 15 Sep 2018 11:33

Instrument :

MSVOA_X

ClientSampleId :

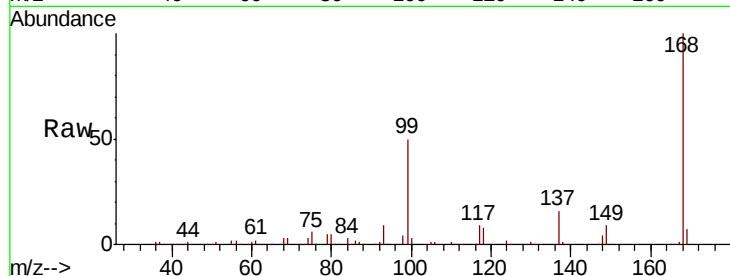
VSTDCCC050

Tot Ion:168 Resp: 274113

Ion Ratio Lower Upper

168 100

99 49.9 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

100000

80000

60000

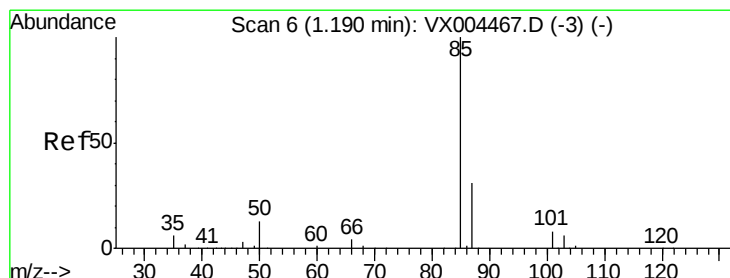
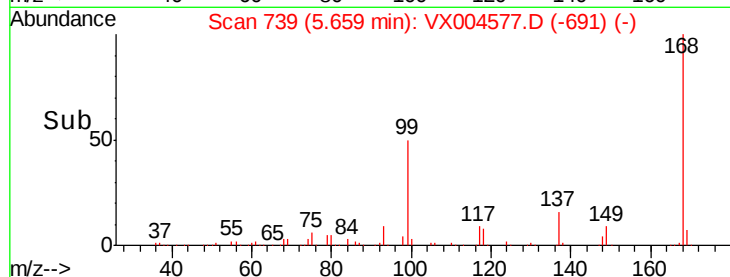
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 51.88 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.01 min

Lab File: VX004577.D

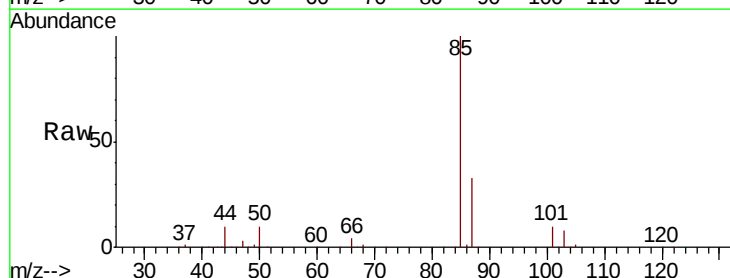
Acq: 15 Sep 2018 11:33

Tgt Ion: 85 Resp: 133273

Ion Ratio Lower Upper

85 100

87 33.2 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

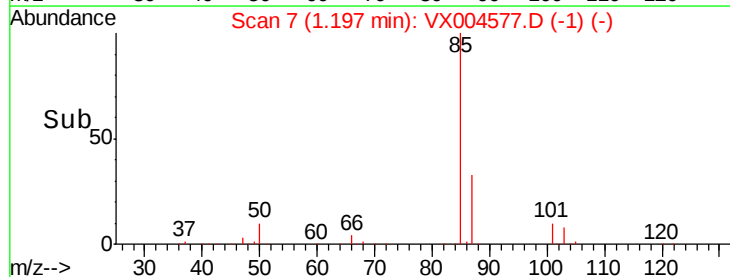
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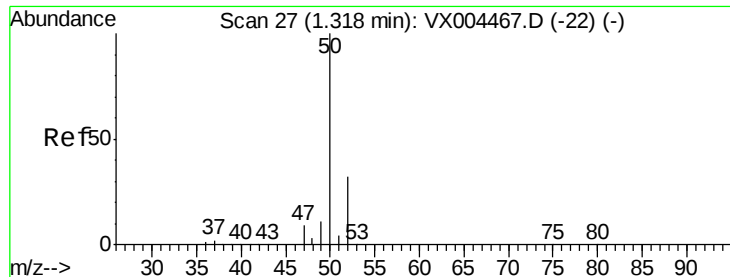
50000

0

Time-->

1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 46.75 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.01 min

Lab File: VX004577.D

Acq: 15 Sep 2018 11:33

Instrument :

MSVOA_X

ClientSampleId :

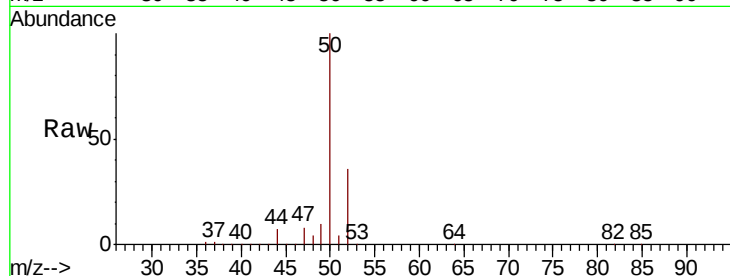
VSTDCCC050

Tot Ion: 50 Resp: 165273

Ion Ratio Lower Upper

50 100

52 36.5 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

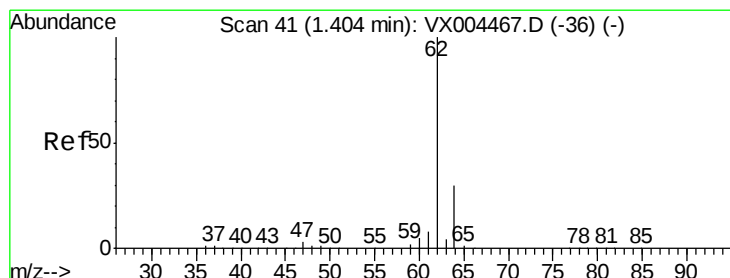
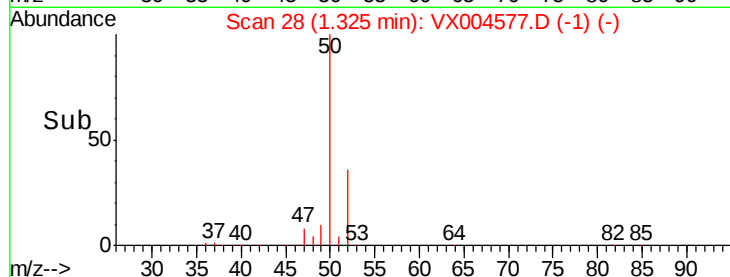
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 49.61 ug/l

RT: 1.40 min Scan# 41

Delta R.T. 0.00 min

Lab File: VX004577.D

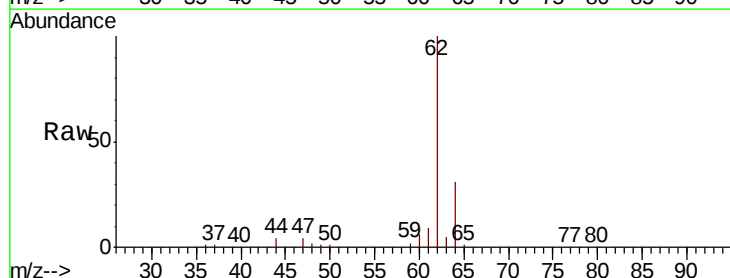
Acq: 15 Sep 2018 11:33

Tgt Ion: 62 Resp: 180032

Ion Ratio Lower Upper

62 100

64 31.0 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

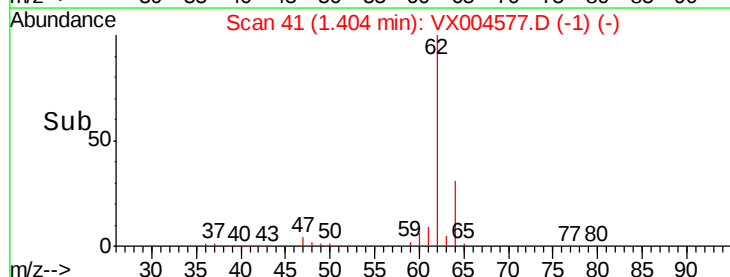
150000

100000

50000

0

Time-->





#5

Bromomethane

Concen: 51.44 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX004577.D

Acq: 15 Sep 2018 11:33

Instrument :

MSVOA_X

ClientSampleId :

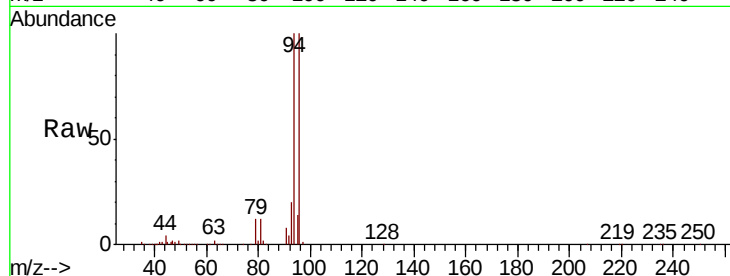
VSTDCCC050

Tot Ion: 94 Resp: 78100

Ion Ratio Lower Upper

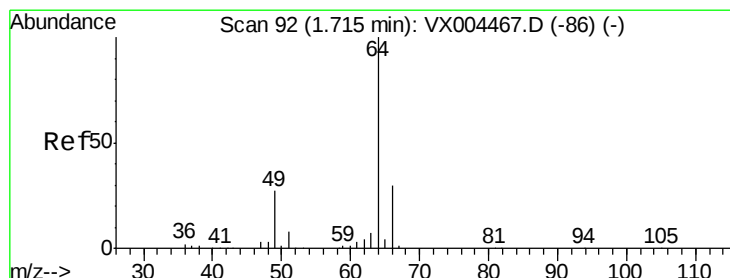
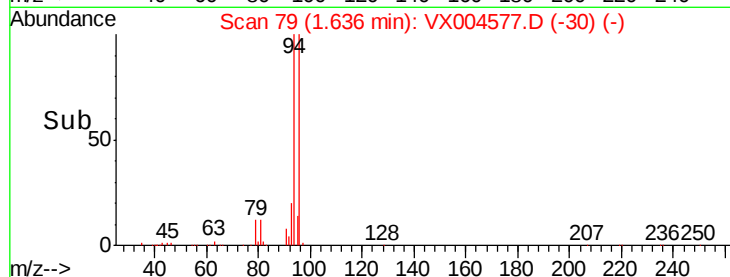
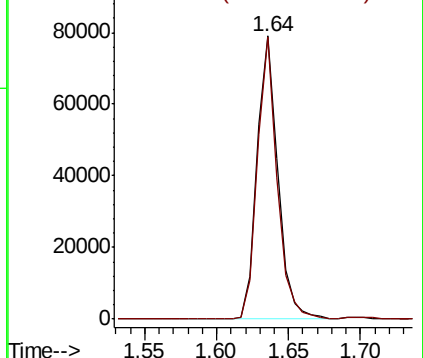
94 100

96 99.8 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: 48.66 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX004577.D

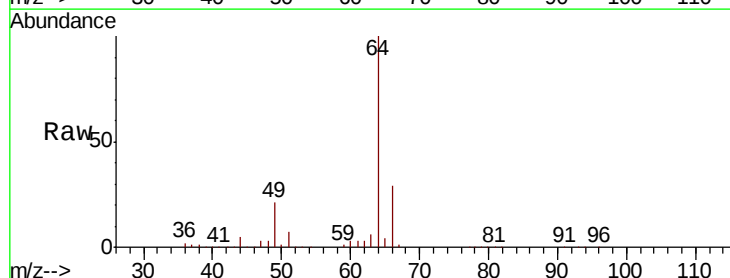
Acq: 15 Sep 2018 11:33

Tgt Ion: 64 Resp: 114181

Ion Ratio Lower Upper

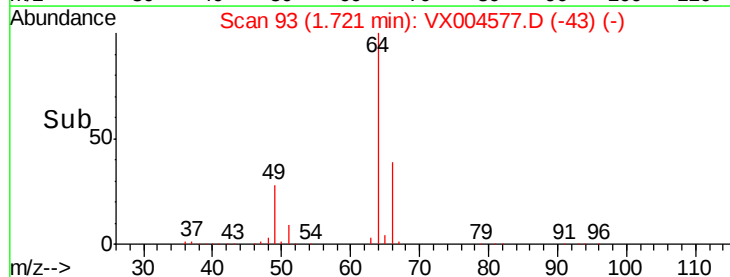
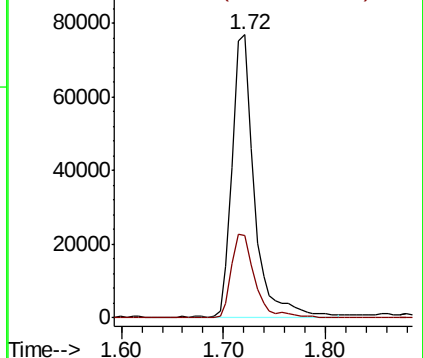
64 100

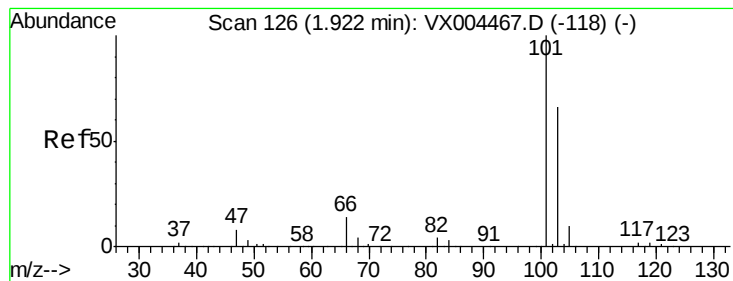
66 29.1 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



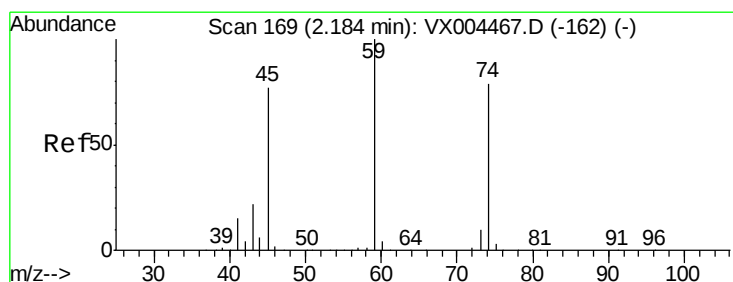
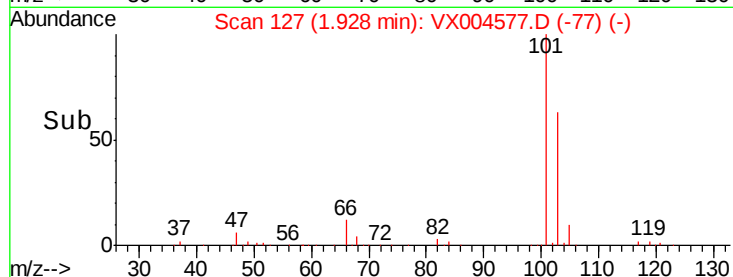
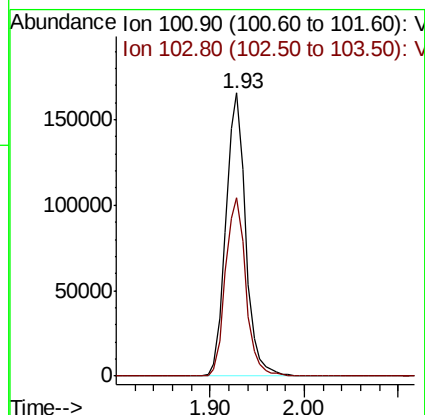
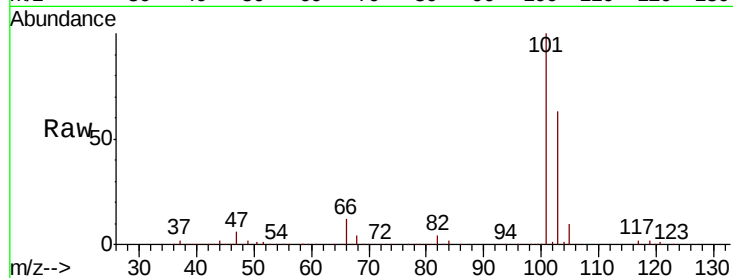


#7

Trichlorofluoromethane
 Concen: 50.16 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. 0.01 min
 Lab File: VX004577.D
 Acq: 15 Sep 2018 11:33

Instrument :
 MSVOA_X
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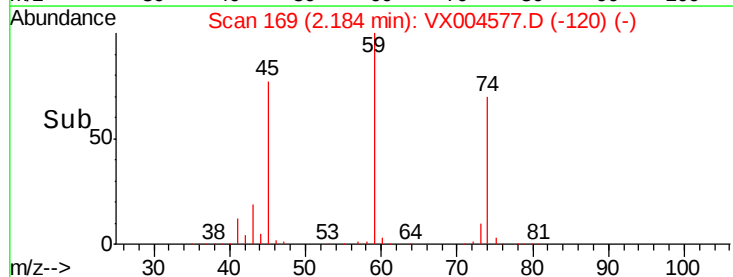
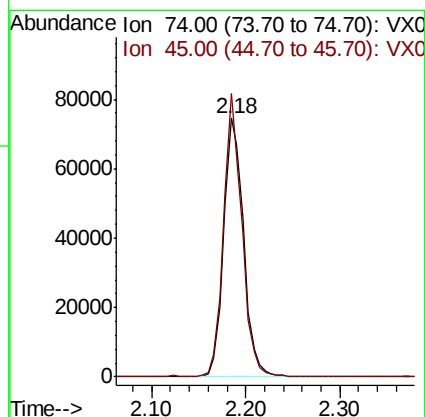
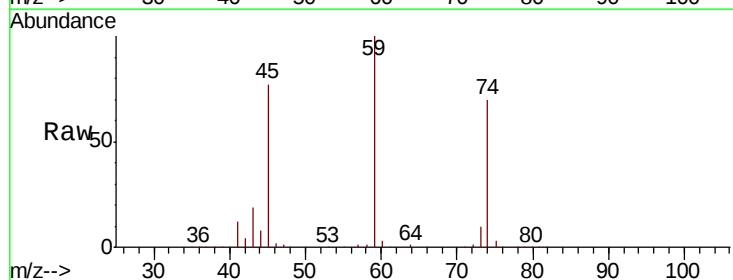
Tot Ion:101 Resp: 241278
 Ion Ratio Lower Upper
 101 100
 103 63.2 48.9 73.3



#8

Diethyl Ether
 Concen: 50.54 ug/l
 RT: 2.18 min Scan# 169
 Delta R.T. 0.00 min
 Lab File: VX004577.D
 Acq: 15 Sep 2018 11:33

Tgt Ion: 74 Resp: 109004
 Ion Ratio Lower Upper
 74 100
 45 100.6 48.3 144.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.85 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX004577.D

Acq: 15 Sep 2018 11:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

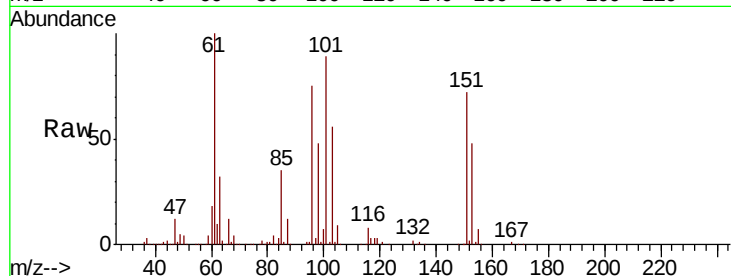
Tot Ion:101 Resp: 161288

Ion Ratio Lower Upper

101 100

85 42.1 34.2 51.4

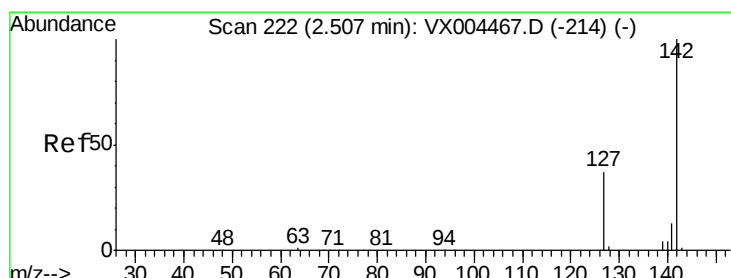
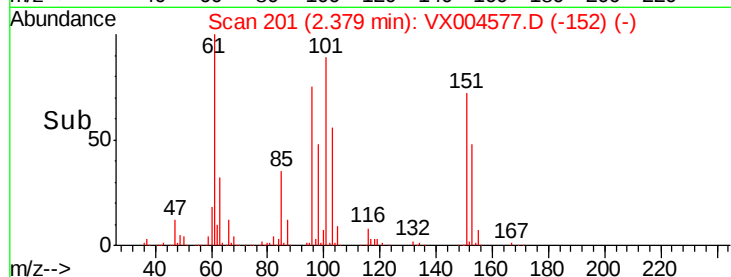
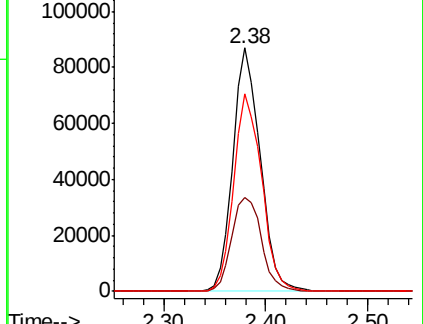
151 83.1 65.0 97.6



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: 41.19 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX004577.D

Acq: 15 Sep 2018 11:33

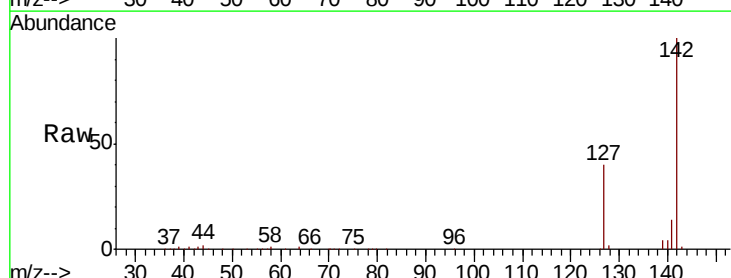
Tgt Ion:142 Resp: 147265

Ion Ratio Lower Upper

142 100

127 39.3 33.8 50.6

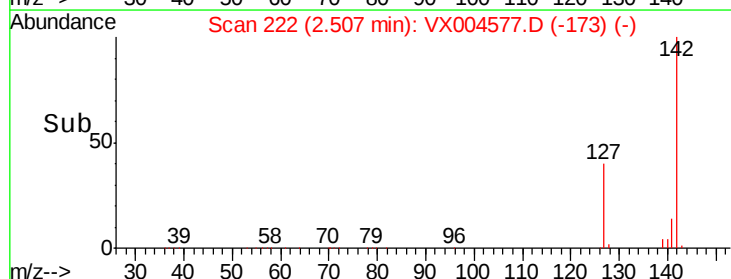
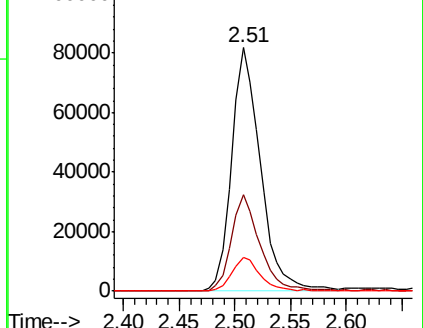
141 13.7 11.4 17.0

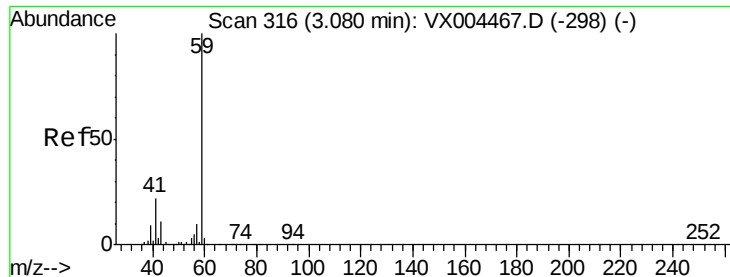


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

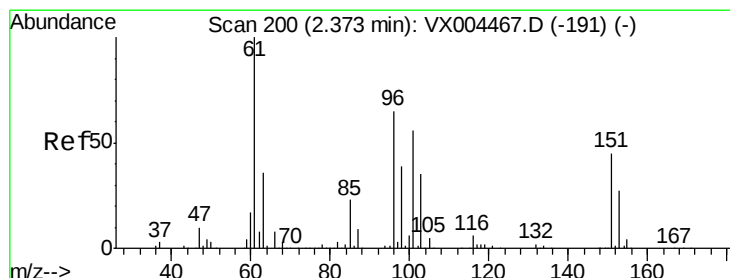
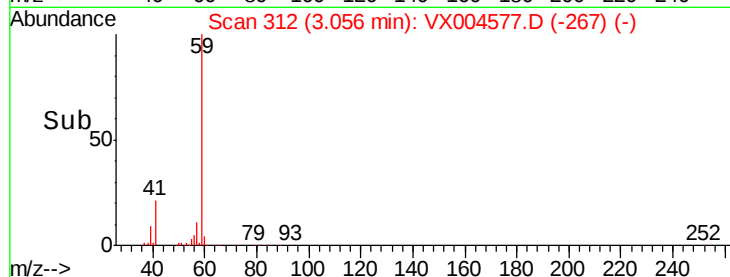
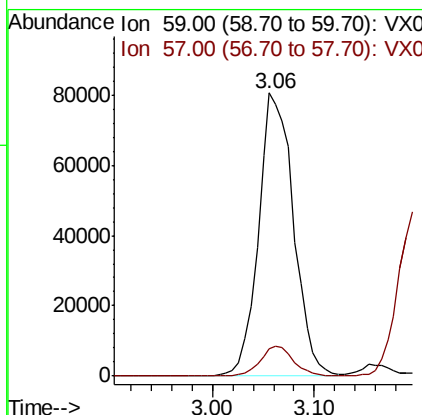
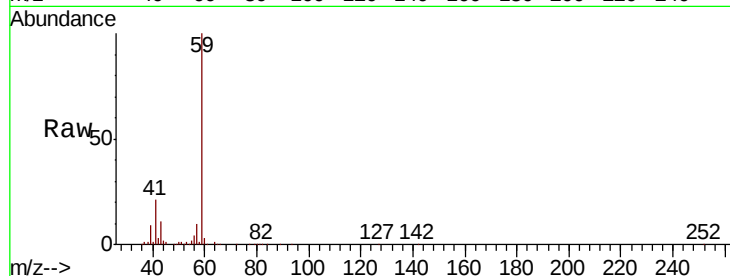




#11
Tert butyl alcohol
Concen: 227.42 ug/l
RT: 3.06 min Scan# 312
Delta R.T. -0.02 min
Lab File: VX004577.D
Acq: 15 Sep 2018 11:33

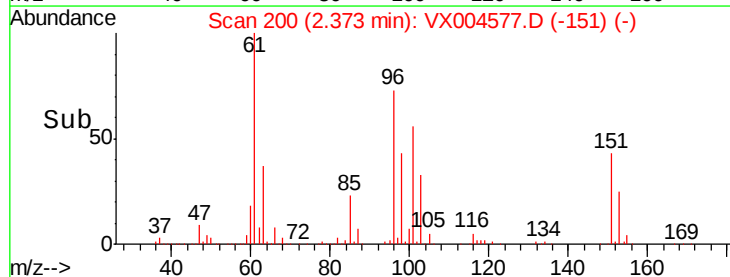
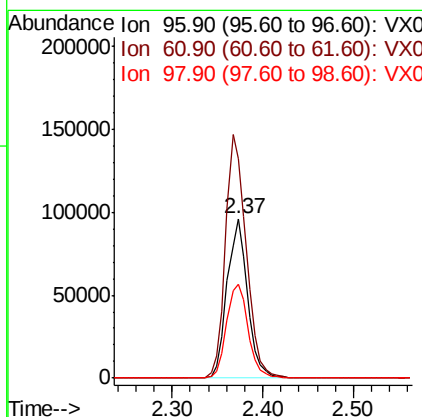
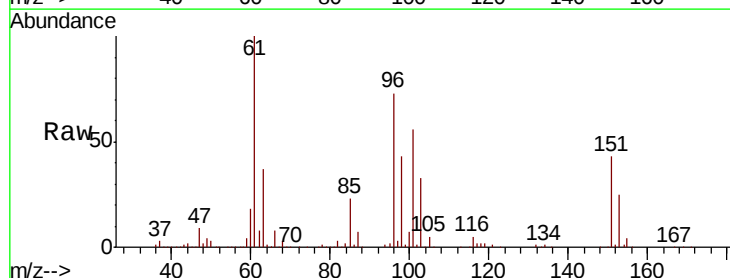
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

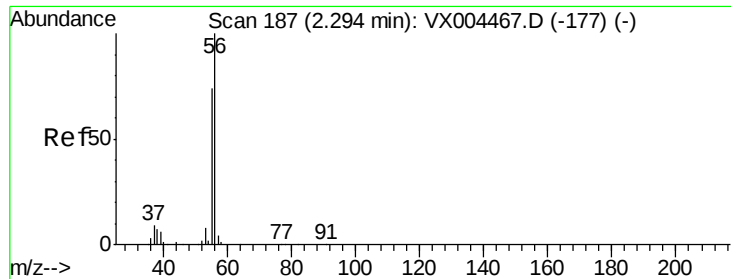
Tot Ion: 59 Resp: 191798
Ion Ratio Lower Upper
59 100
57 10.1 8.2 12.4



#12
1,1-Dichloroethene
Concen: 52.84 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX004577.D
Acq: 15 Sep 2018 11:33

Tgt Ion: 96 Resp: 151333
Ion Ratio Lower Upper
96 100
61 137.3 128.8 193.2
98 58.8 52.2 78.2

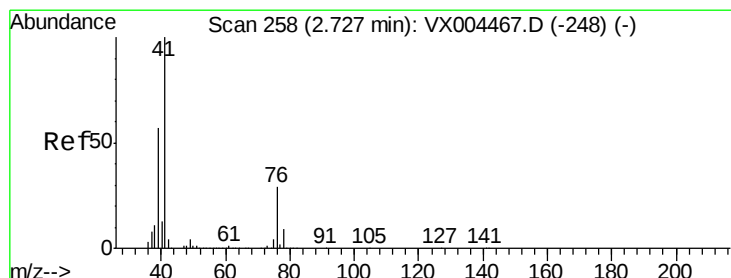
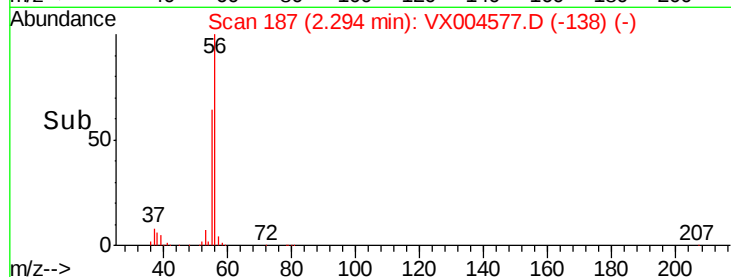
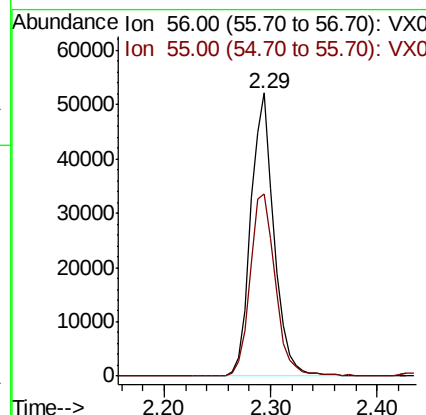
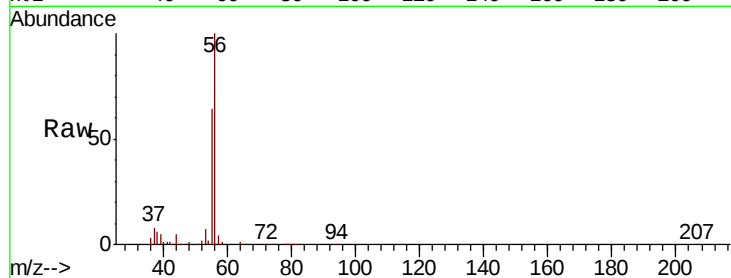




#13
 Acrolein
 Concen: 239.41 ug/l
 RT: 2.29 min Scan# 187
 Delta R.T. 0.00 min
 Lab File: VX004577.D
 Acq: 15 Sep 2018 11:33

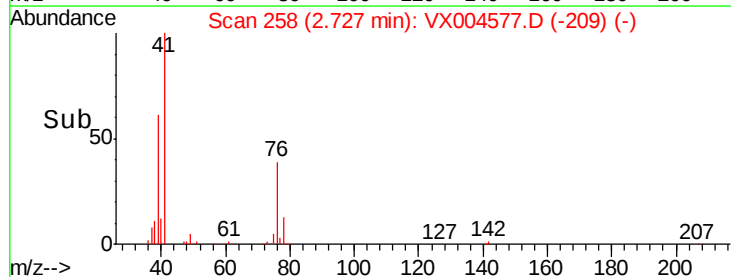
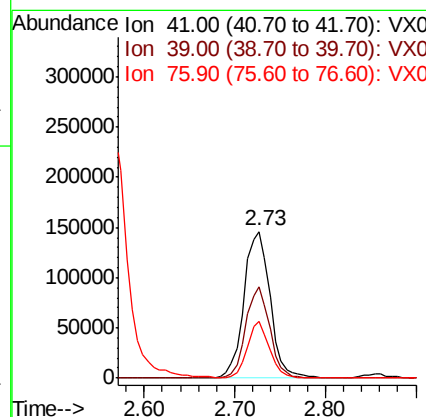
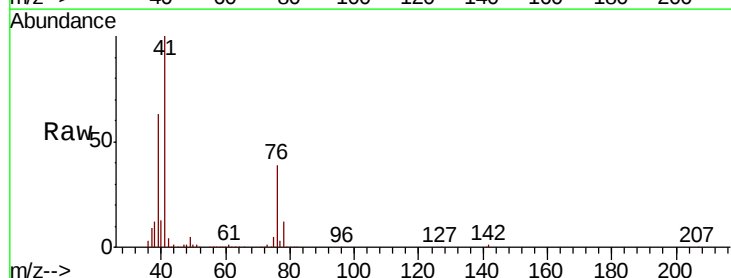
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

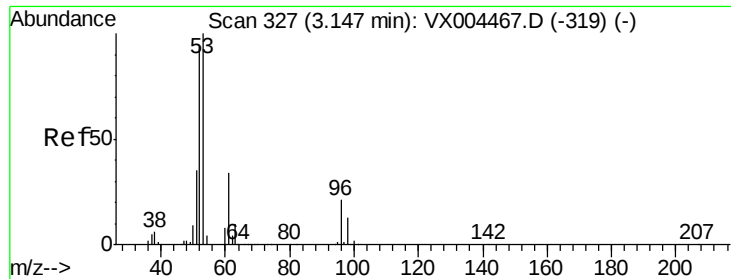
Tot Ion: 56 Resp: 79704
 Ion Ratio Lower Upper
 56 100
 55 70.5 54.7 82.1



#14
 Allyl chloride
 Concen: 49.53 ug/l
 RT: 2.73 min Scan# 258
 Delta R.T. 0.00 min
 Lab File: VX004577.D
 Acq: 15 Sep 2018 11:33

Tgt Ion: 41 Resp: 291665
 Ion Ratio Lower Upper
 41 100
 39 56.9 48.9 73.3
 76 33.3 26.7 40.1





#15

Acrylonitrile

Concen: 237.15 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.01 min

Lab File: VX004577.D

Acq: 15 Sep 2018 11:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

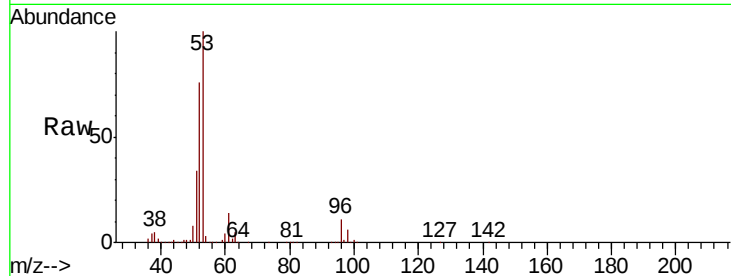
Tot Ion: 53 Resp: 481625

Ion Ratio Lower Upper

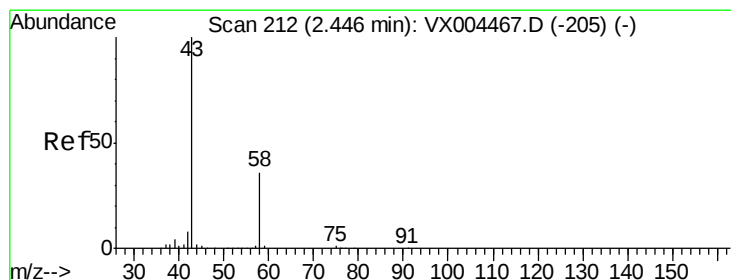
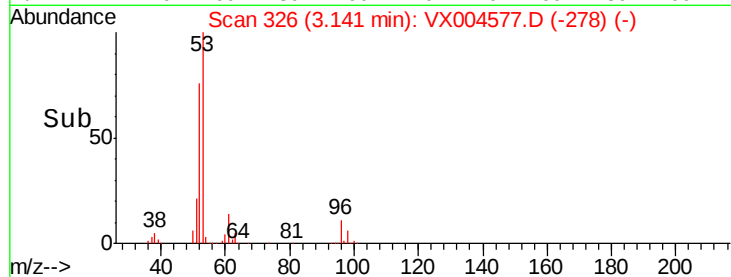
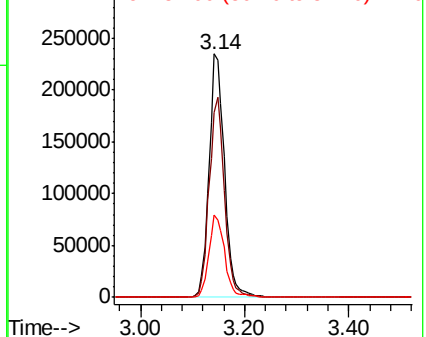
53 100

52 81.2 65.2 97.8

51 34.4 28.2 42.2



Abundance Ion 53.00 (52.70 to 53.70): VX0
Ion 52.00 (51.70 to 52.70): VX0
Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 255.02 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX004577.D

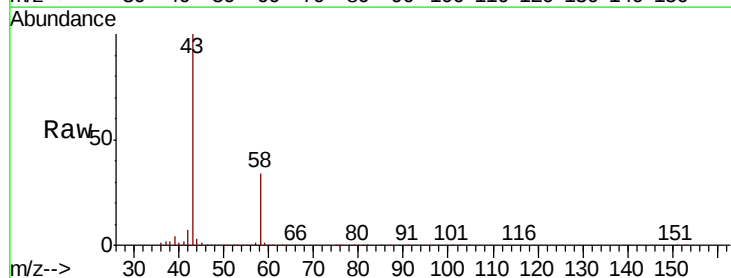
Acq: 15 Sep 2018 11:33

Tgt Ion: 43 Resp: 439926

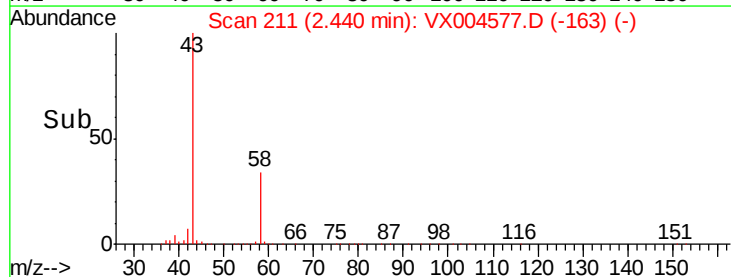
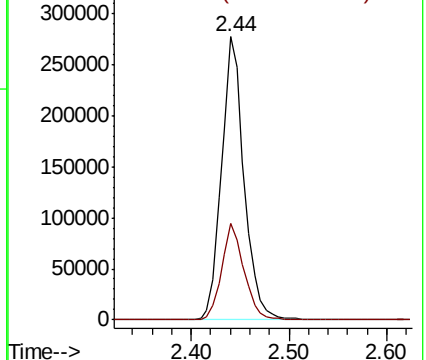
Ion Ratio Lower Upper

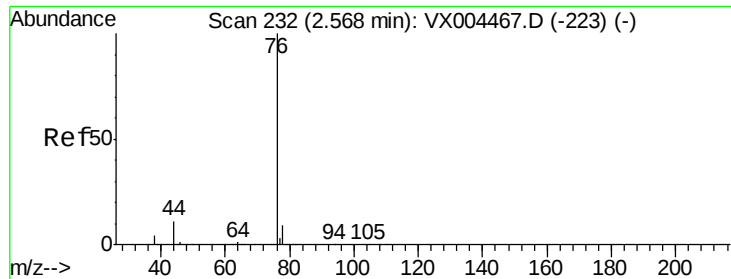
43 100

58 33.9 26.2 39.4



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

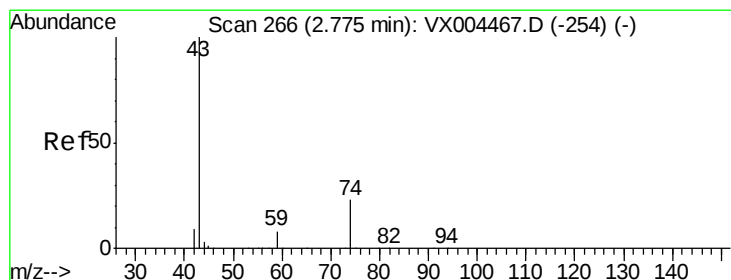
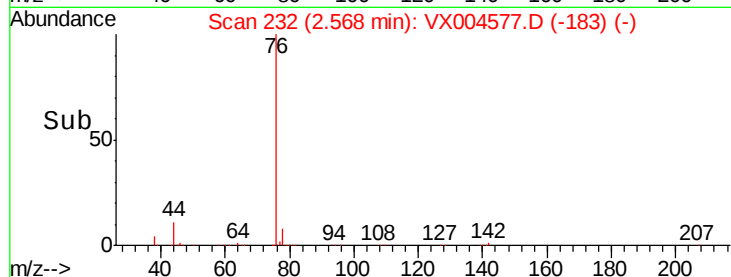
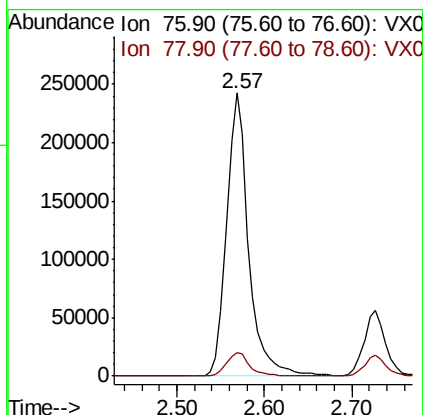
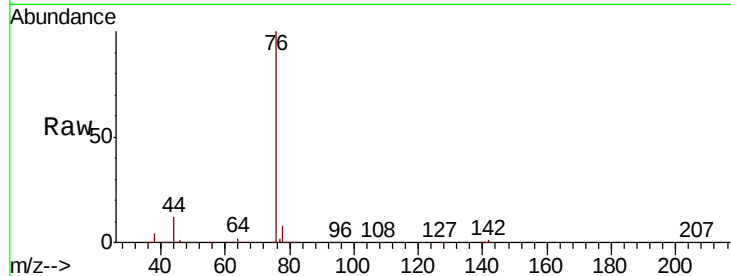




#17
Carbon Disulfide
Concen: 51.17 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX004577.D
Acq: 15 Sep 2018 11:33

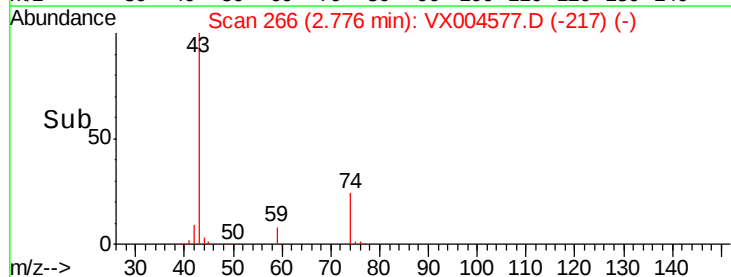
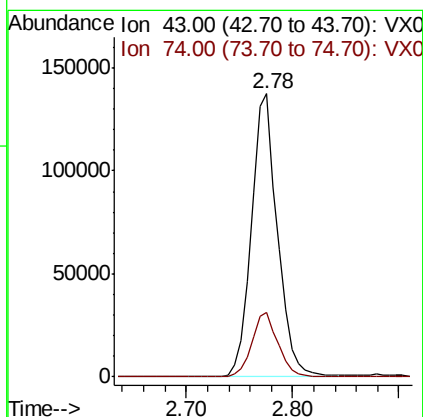
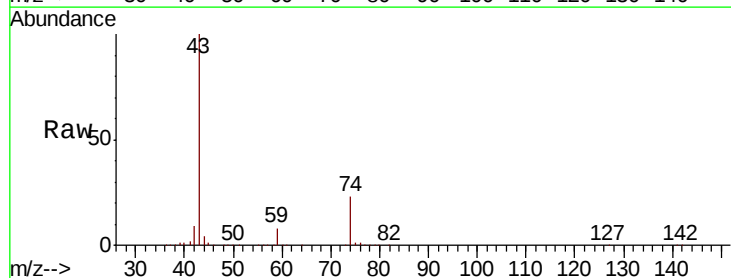
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

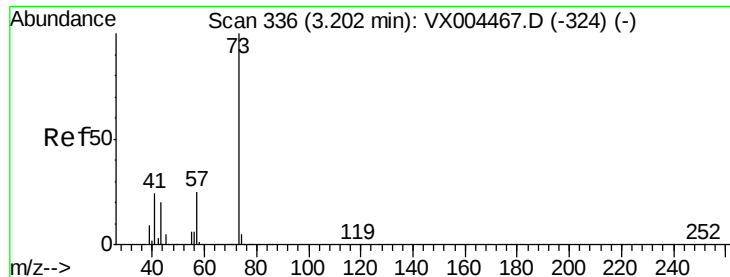
Tot Ion: 76 Resp: 423623
Ion Ratio Lower Upper
76 100
78 8.4 7.0 10.6



#18
Methyl Acetate
Concen: 48.56 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX004577.D
Acq: 15 Sep 2018 11:33

Tgt Ion: 43 Resp: 235009
Ion Ratio Lower Upper
43 100
74 23.3 19.4 29.2



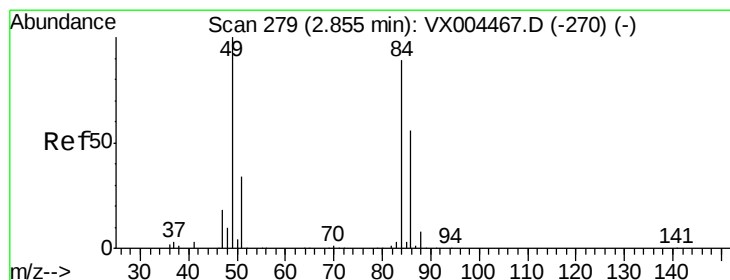
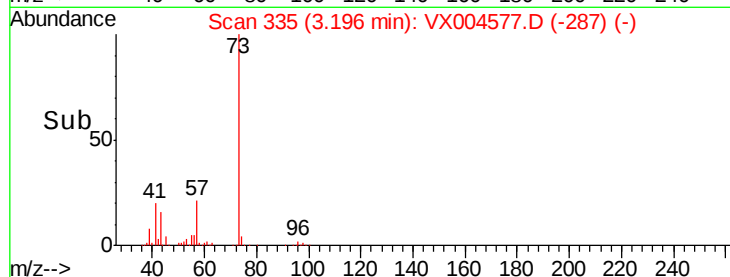
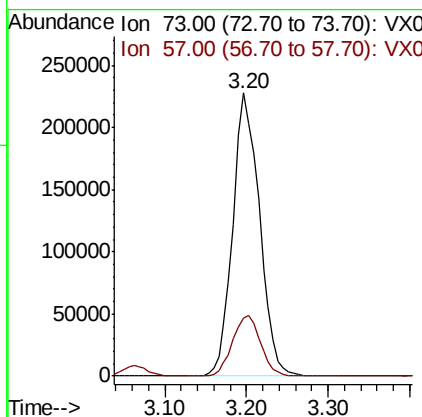
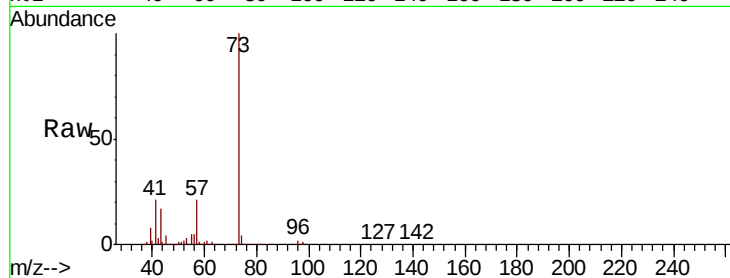


#19

Methyl tert-butyl Ether
 Concen: 51.21 ug/l
 RT: 3.20 min Scan# 335
 Delta R.T. -0.01 min
 Lab File: VX004577.D
 Acq: 15 Sep 2018 11:33

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050

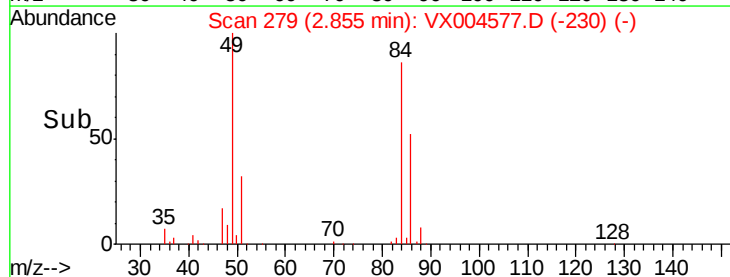
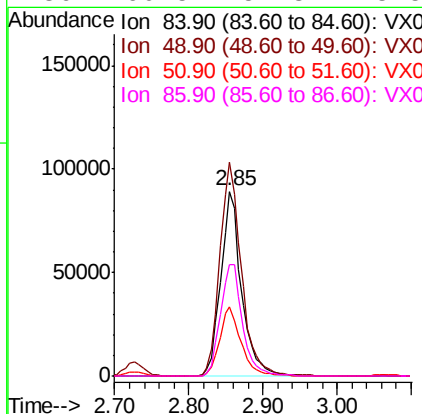
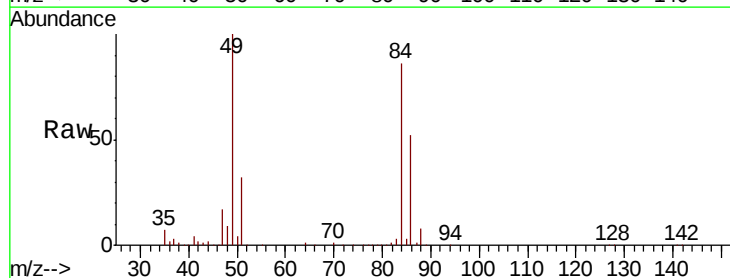
Tot Ion: 73 Resp: 514634
 Ion Ratio Lower Upper
 73 100
 57 20.5 17.1 25.7

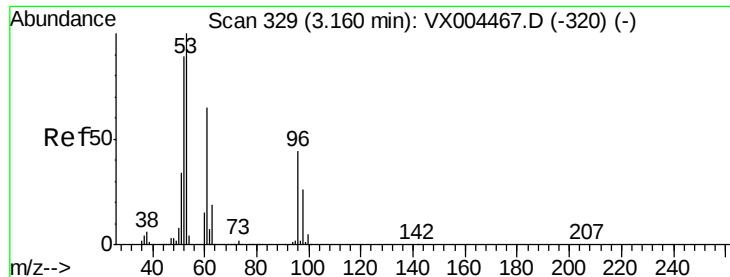


#20

Methylene Chloride
 Concen: 48.62 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. 0.00 min
 Lab File: VX004577.D
 Acq: 15 Sep 2018 11:33

Tgt Ion: 84 Resp: 172053
 Ion Ratio Lower Upper
 84 100
 49 115.6 101.2 151.8
 51 37.1 29.5 44.3
 86 60.5 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 51.89 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.00 min

Lab File: VX004577.D

Acq: 15 Sep 2018 11:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

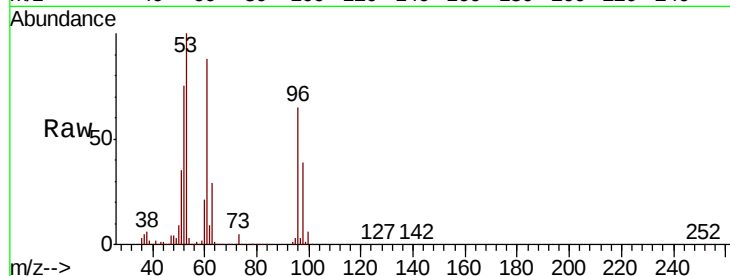
Tot Ion: 96 Resp: 164229

Ion Ratio Lower Upper

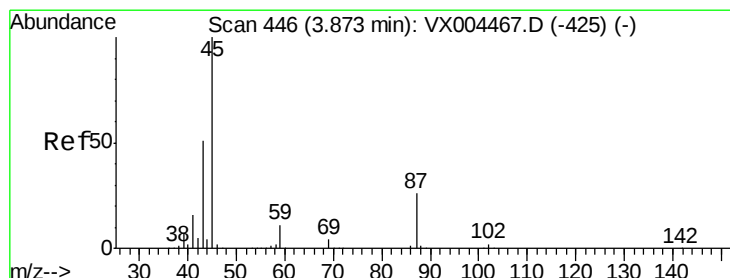
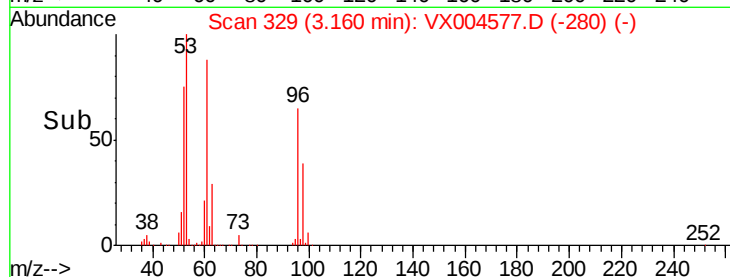
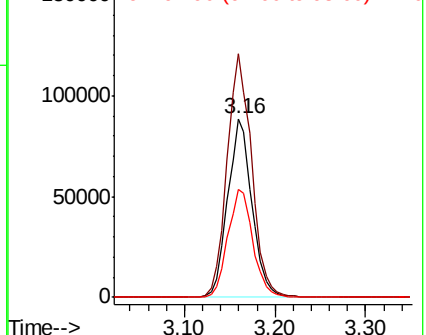
96 100

61 136.0 113.8 170.6

98 60.6 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: 50.25 ug/l

RT: 3.87 min Scan# 446

Delta R.T. 0.00 min

Lab File: VX004577.D

Acq: 15 Sep 2018 11:33

Tgt Ion: 45 Resp: 532891

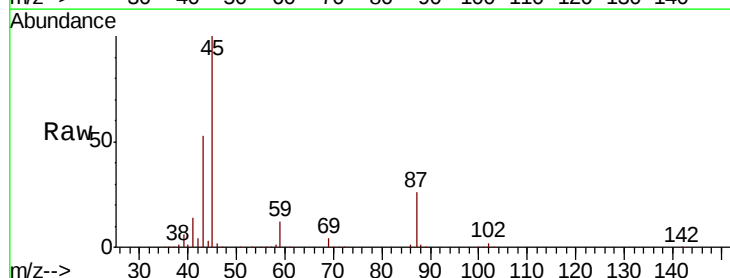
Ion Ratio Lower Upper

45 100

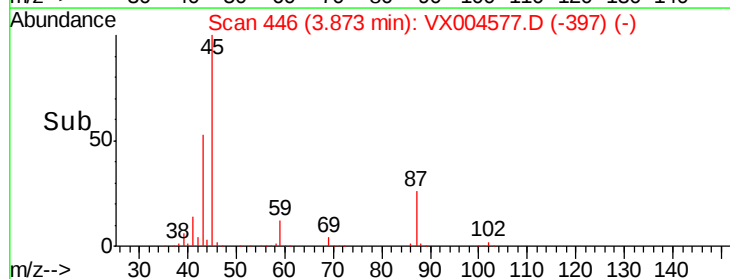
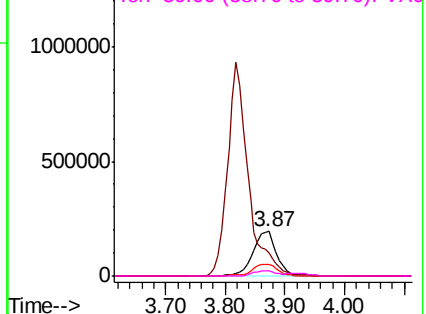
43 52.5 42.8 64.2

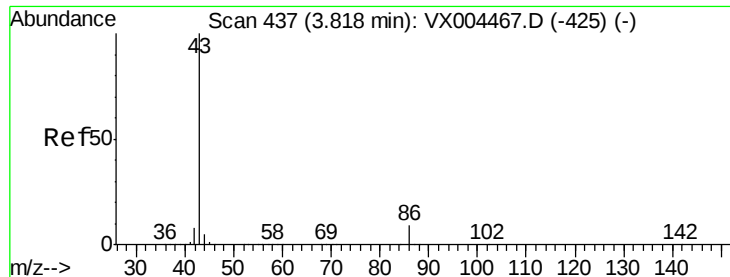
87 25.6 22.6 34.0

59 11.5 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: 262.79 ug/l

RT: 3.82 min Scan# 437

Delta R.T. 0.00 min

Lab File: VX004577.D

Acq: 15 Sep 2018 11:33

Instrument :

MSVOA_X

ClientSampleId :

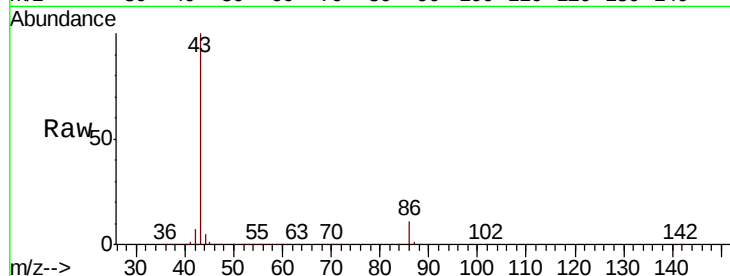
VSTDCCC050

Tot Ion: 43 Resp: 2255368

Ion Ratio Lower Upper

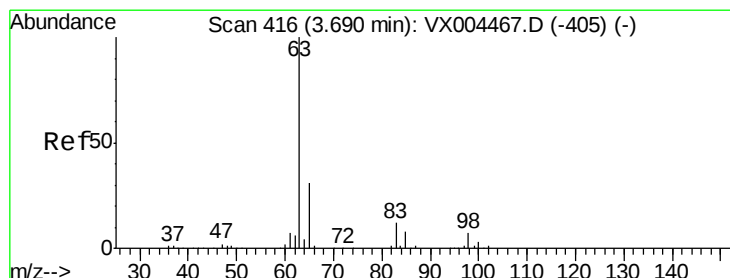
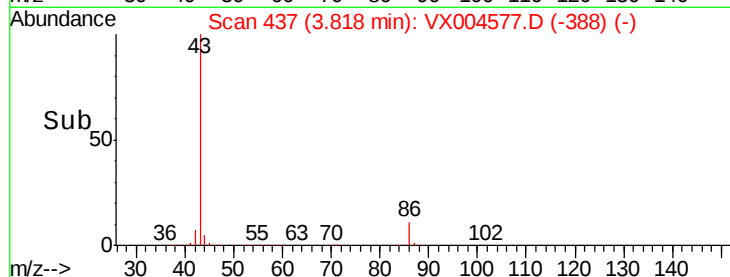
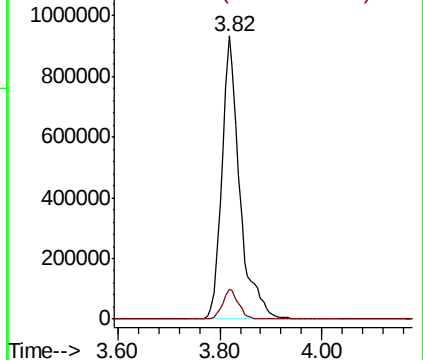
43 100

86 10.6 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: 51.51 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.01 min

Lab File: VX004577.D

Acq: 15 Sep 2018 11:33

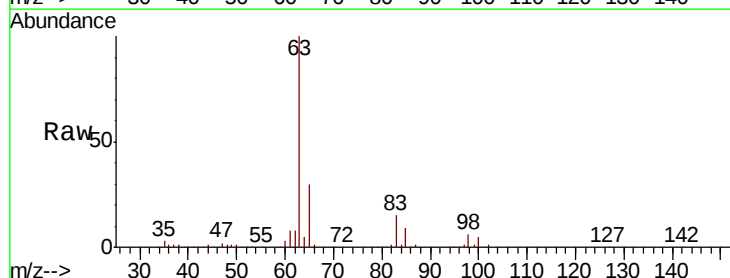
Tgt Ion: 63 Resp: 308443

Ion Ratio Lower Upper

63 100

98 6.5 3.5 10.4

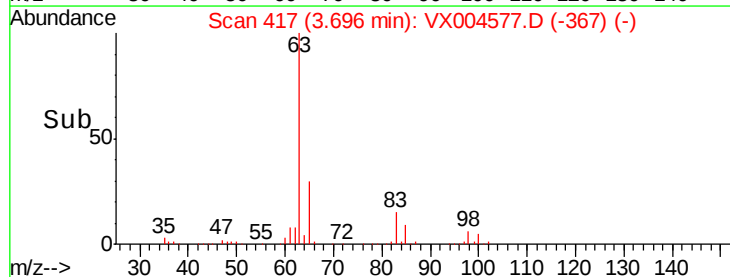
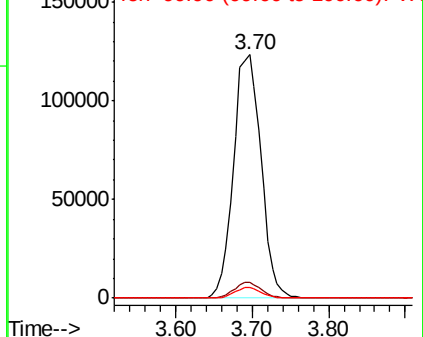
100 4.5 2.4 7.1

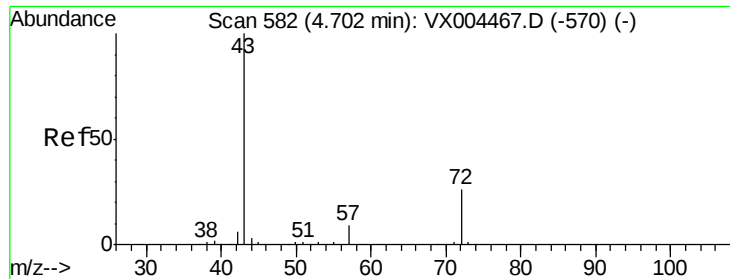


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 229.02 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX004577.D

Acq: 15 Sep 2018 11:33

Instrument :

MSVOA_X

ClientSampleId :

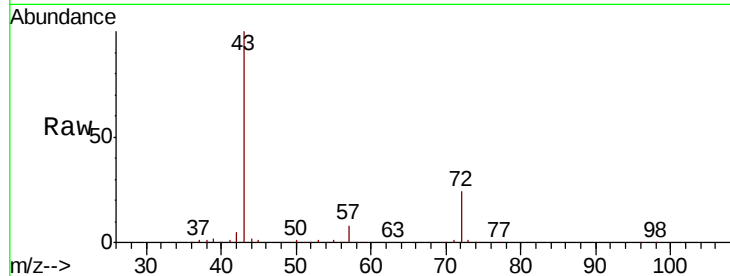
VSTDCCC050

Tot Ion: 43 Resp: 628782

Ion Ratio Lower Upper

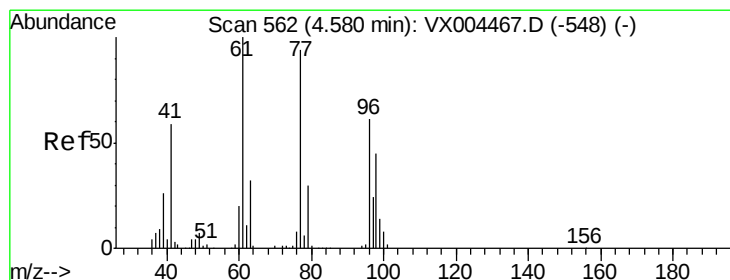
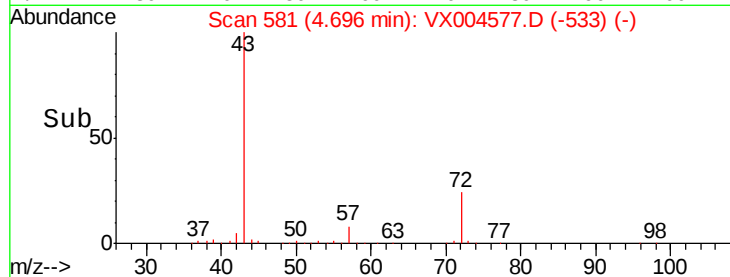
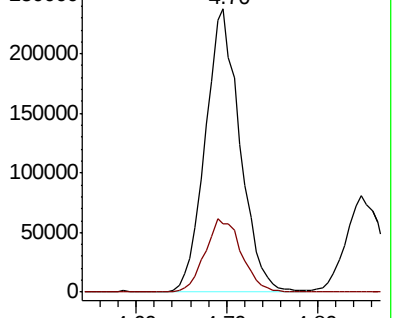
43 100

72 24.0 22.0 33.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 57.67 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX004577.D

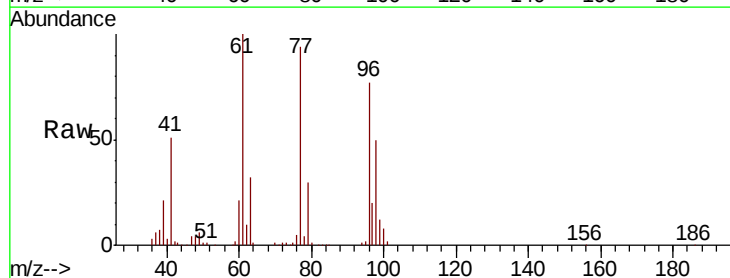
Acq: 15 Sep 2018 11:33

Tgt Ion: 77 Resp: 237171

Ion Ratio Lower Upper

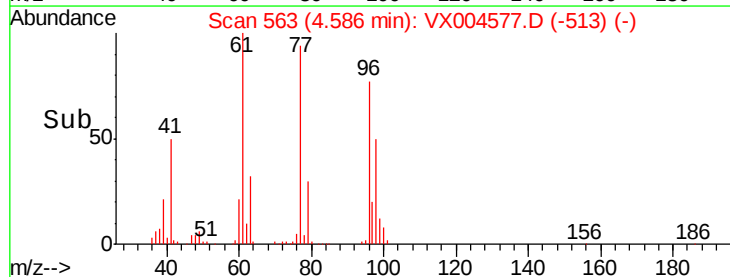
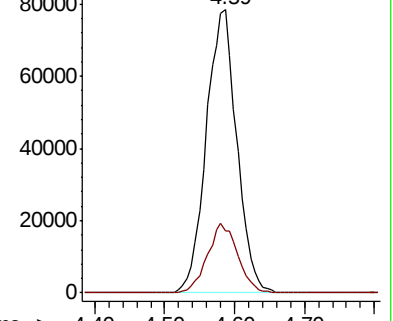
77 100

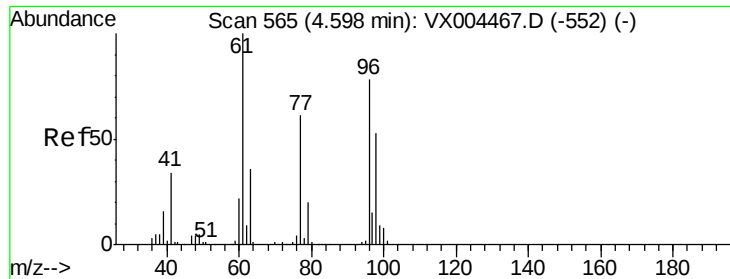
97 24.3 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

cis-1,2-Dichloroethene

Concen: 52.35 ug/l

RT: 4.59 min Scan# 563

Delta R.T. -0.01 min

Lab File: VX004577.D

Acq: 15 Sep 2018 11:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

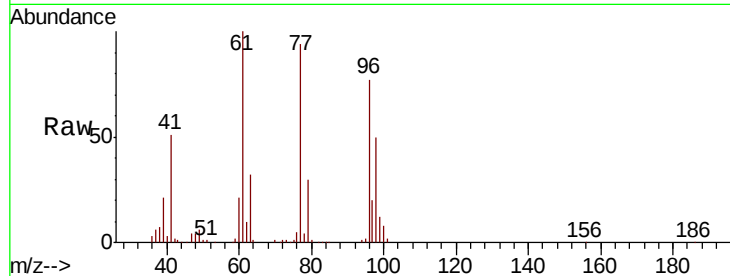
Tot Ion: 96 Resp: 184945

Ion Ratio Lower Upper

96 100

61 142.4 0.0 282.6

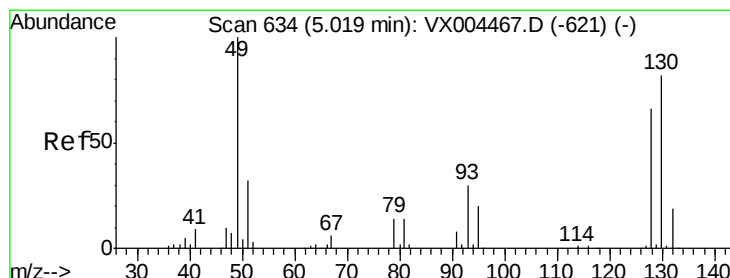
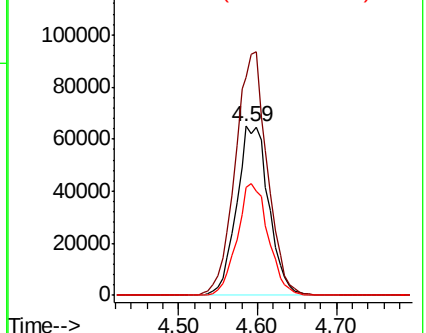
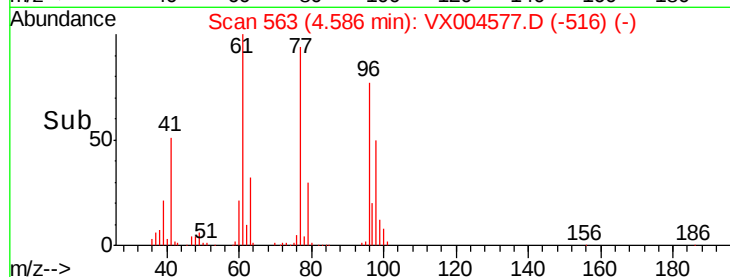
98 63.9 0.0 130.2



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: 50.41 ug/l

RT: 5.02 min Scan# 634

Delta R.T. 0.00 min

Lab File: VX004577.D

Acq: 15 Sep 2018 11:33

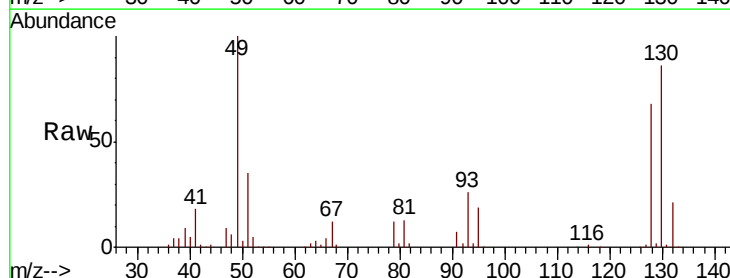
Tgt Ion: 49 Resp: 138056

Ion Ratio Lower Upper

49 100

129 2.1 0.0 4.2

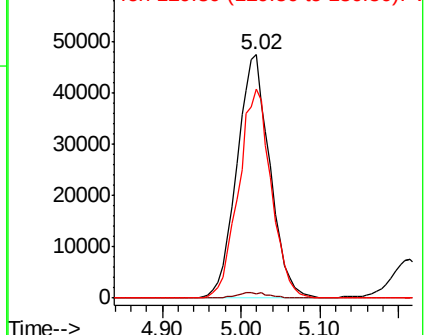
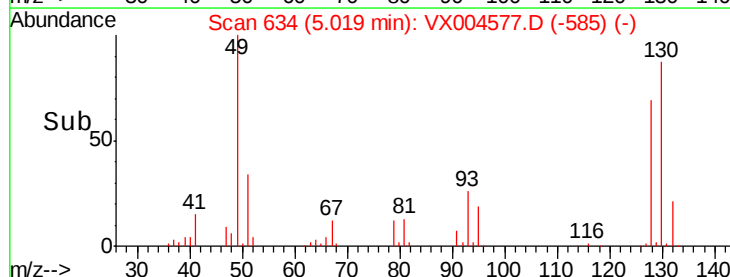
130 85.5 67.5 101.3

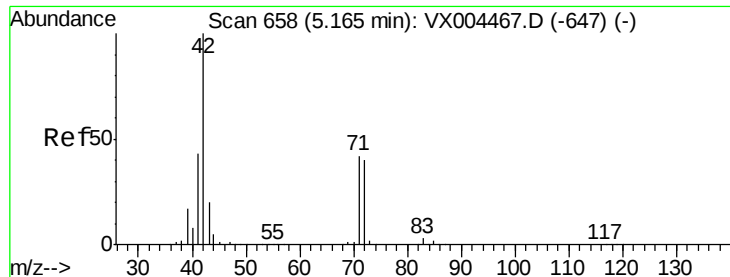


Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

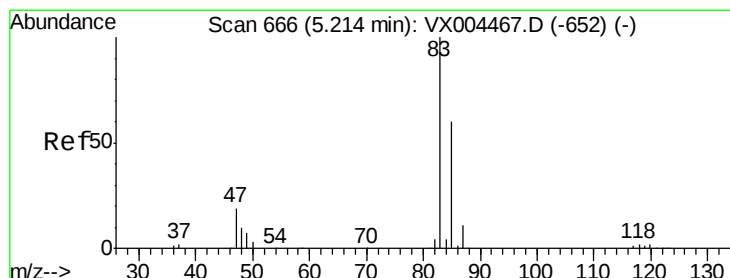
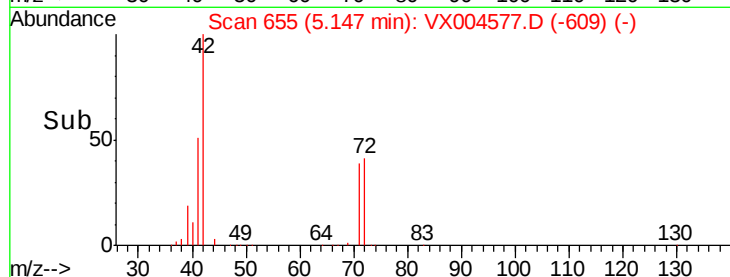
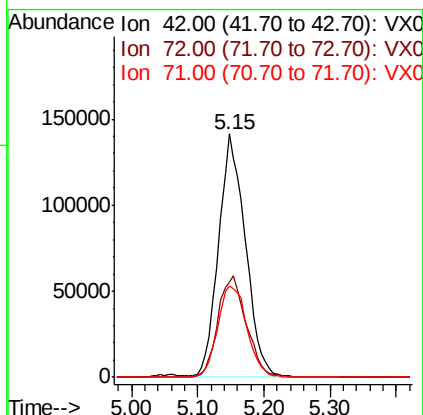
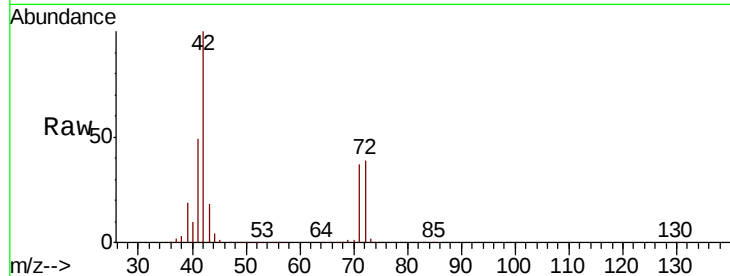




#29
Tetrahydrofuran
Concen: 239.89 ug/l
RT: 5.15 min Scan# 655
Delta R.T. -0.02 min
Lab File: VX004577.D
Acq: 15 Sep 2018 11:33

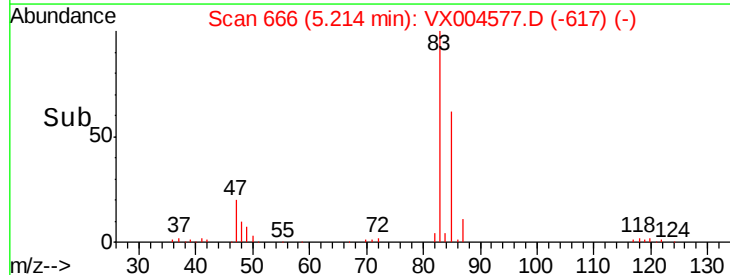
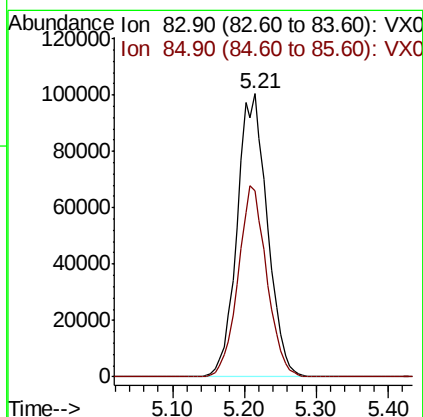
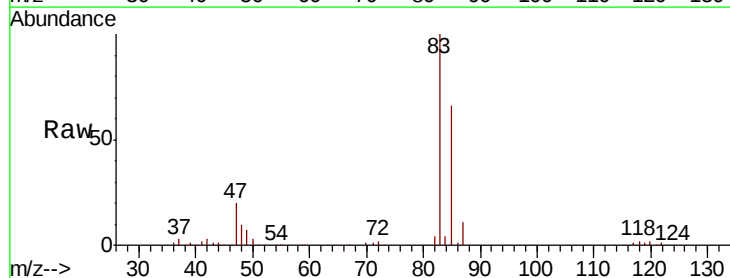
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

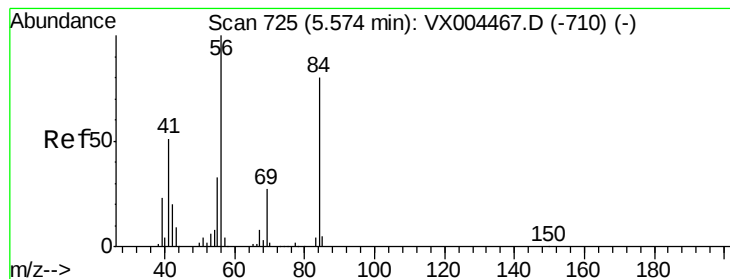
Tot Ion: 42 Resp: 397182
Ion Ratio Lower Upper
42 100
72 44.2 37.4 56.0
71 41.1 34.5 51.7



#30
Chloroform
Concen: 49.92 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX004577.D
Acq: 15 Sep 2018 11:33

Tgt Ion: 83 Resp: 291824
Ion Ratio Lower Upper
83 100
85 65.6 52.6 79.0





#31

Cyclohexane

Concen: 57.71 ug/l

RT: 5.57 min Scan# 724

Delta R.T. -0.01 min

Lab File: VX004577.D

Acq: 15 Sep 2018 11:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

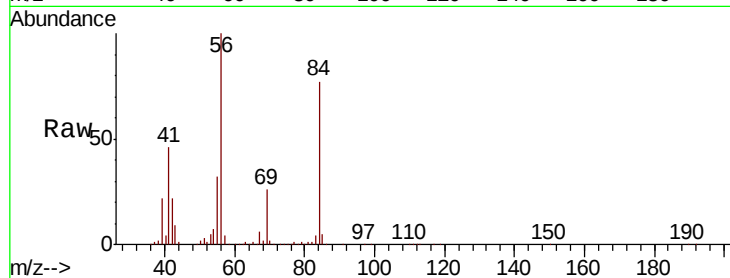
Tot Ion: 56 Resp: 295067

Ion Ratio Lower Upper

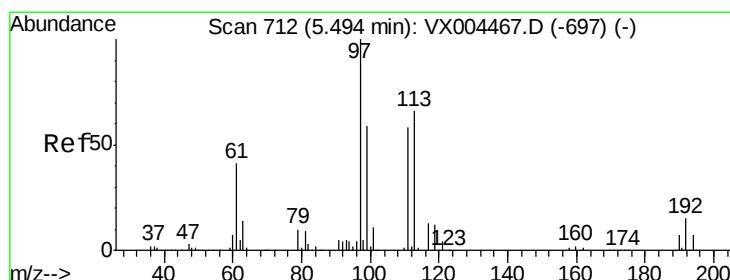
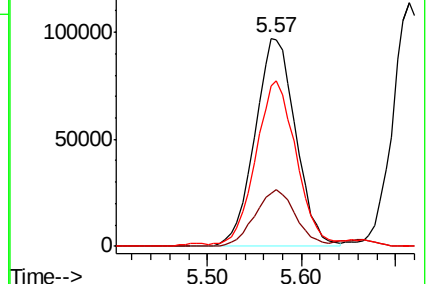
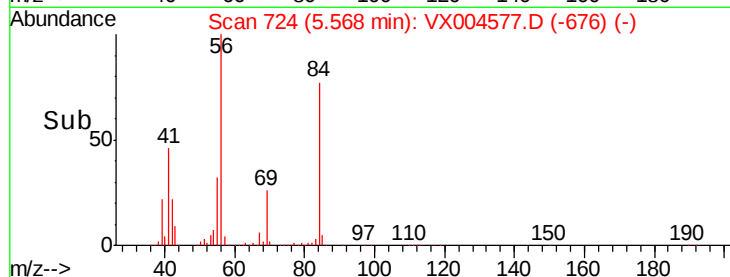
56 100

69 25.7 25.4 38.2

84 76.0 71.4 107.2



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 53.14 ug/l

RT: 5.49 min Scan# 711

Delta R.T. -0.01 min

Lab File: VX004577.D

Acq: 15 Sep 2018 11:33

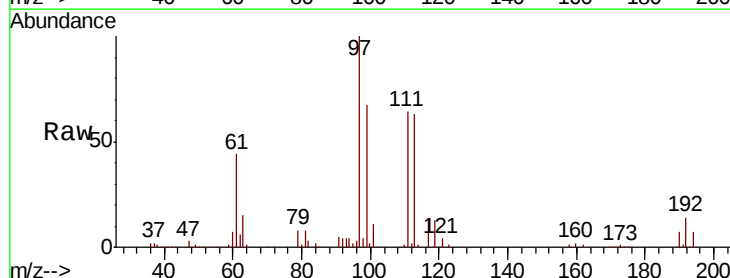
Tgt Ion: 97 Resp: 250177

Ion Ratio Lower Upper

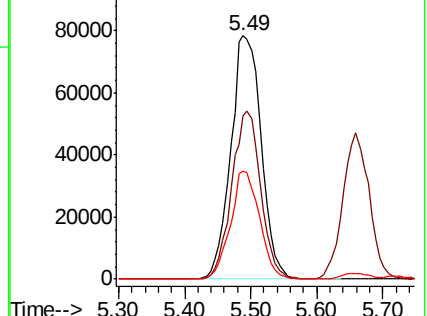
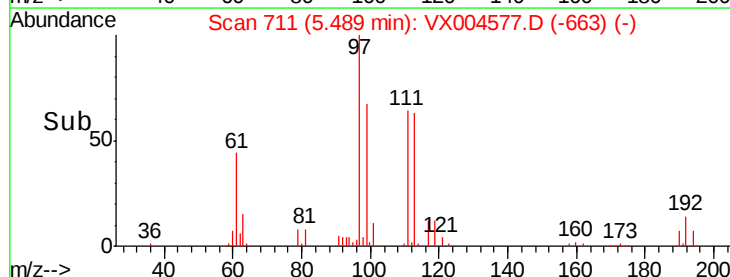
97 100

99 65.4 52.0 78.0

61 42.3 34.9 52.3



Abundance Ion 96.90 (96.60 to 97.60): VX0
Ion 98.90 (98.60 to 99.60): VX0
Ion 60.90 (60.60 to 61.60): VX0

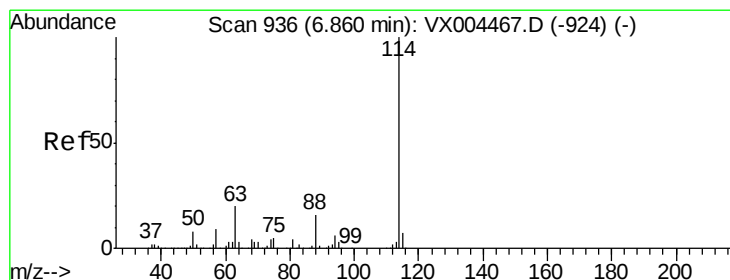
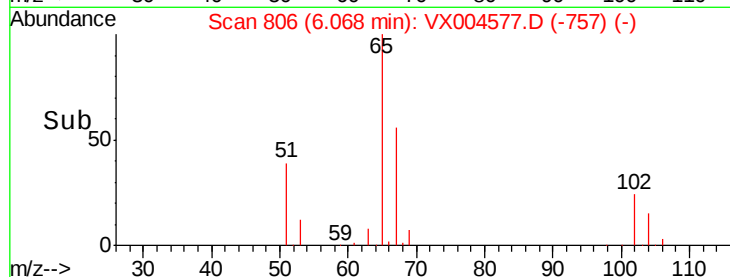
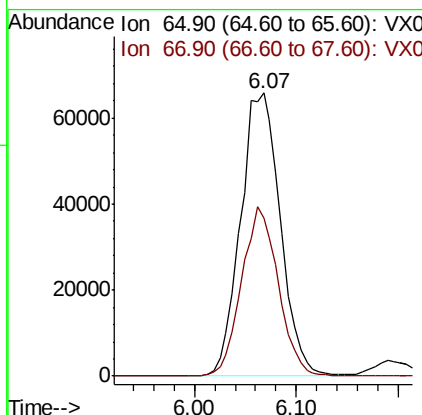
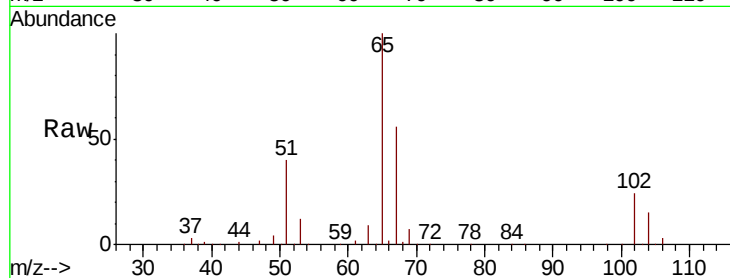




#33
 1,2-Dichloroethane-d4
 Concen: 50.54 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX004577.D
 Acq: 15 Sep 2018 11:33

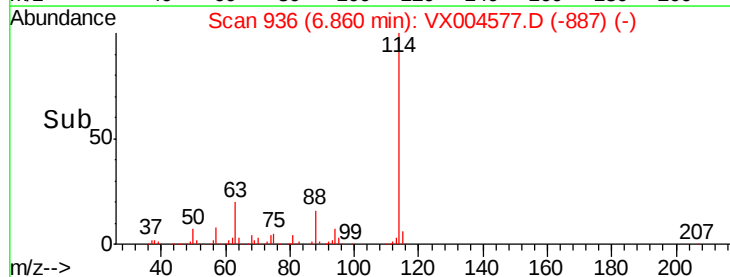
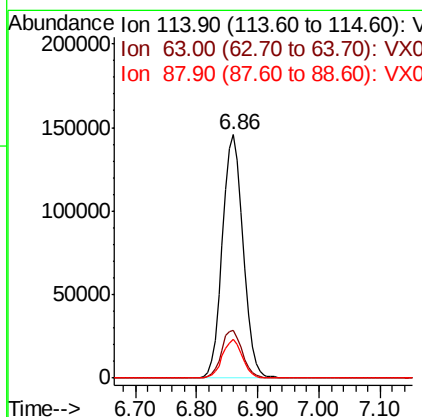
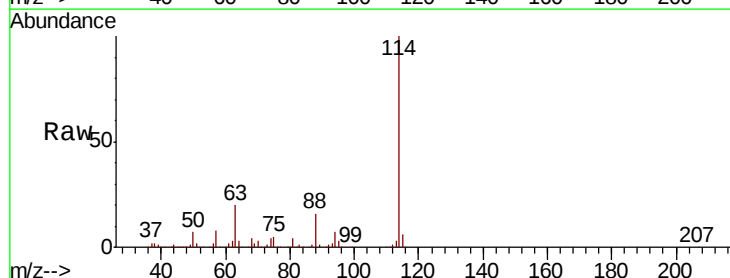
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

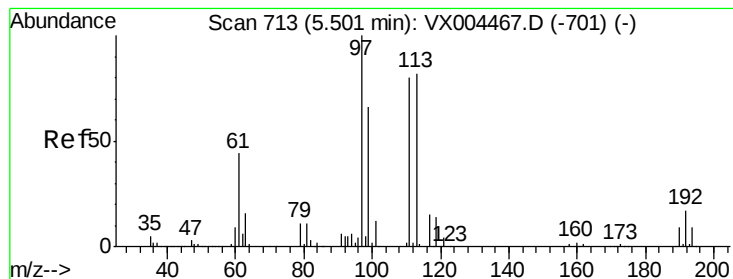
Tot Ion: 65 Resp: 178638
 Ion Ratio Lower Upper
 65 100
 67 55.1 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX004577.D
 Acq: 15 Sep 2018 11:33

Tgt Ion: 114 Resp: 342510
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 39.0
 88 15.7 0.0 30.4





#35

Dibromofluoromethane

Concen: 50.39 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX004577.D

Acq: 15 Sep 2018 11:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

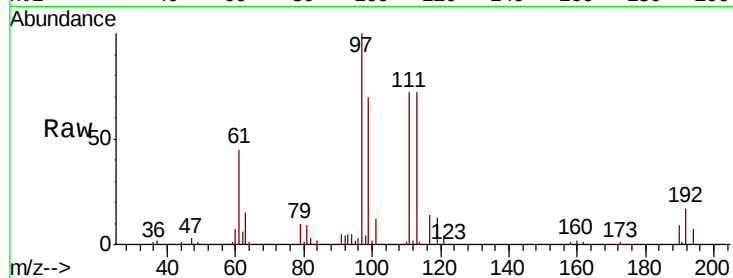
Tot Ion:113 Resp: 157950

Ion Ratio Lower Upper

113 100

111 102.1 82.4 123.6

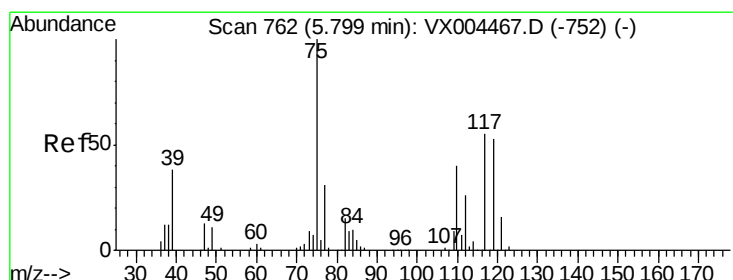
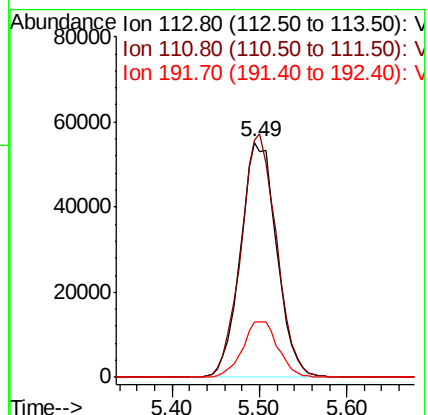
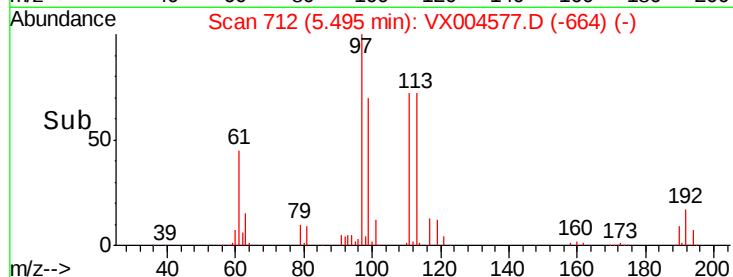
192 23.4 19.4 29.2



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: 53.71 ug/l

RT: 5.80 min Scan# 762

Delta R.T. 0.00 min

Lab File: VX004577.D

Acq: 15 Sep 2018 11:33

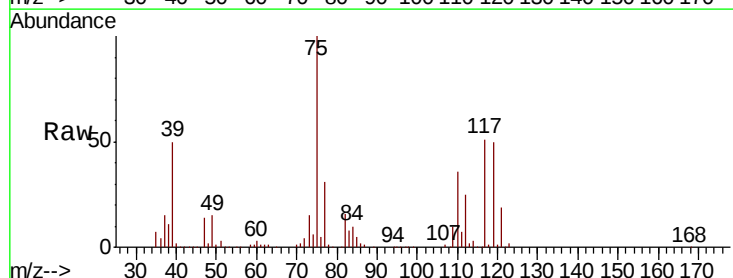
Tgt Ion: 75 Resp: 223326

Ion Ratio Lower Upper

75 100

110 37.0 18.0 54.0

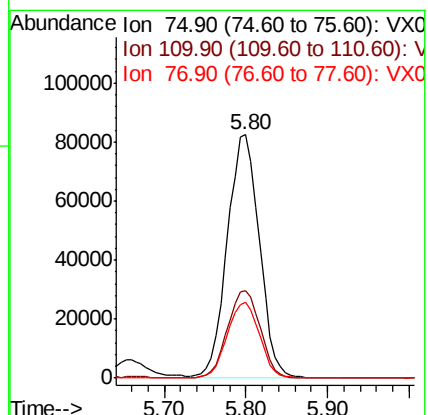
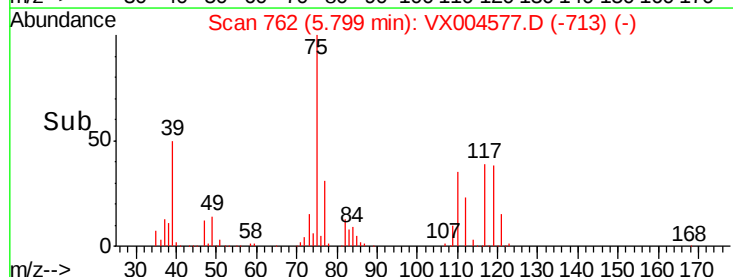
77 32.0 24.6 36.8

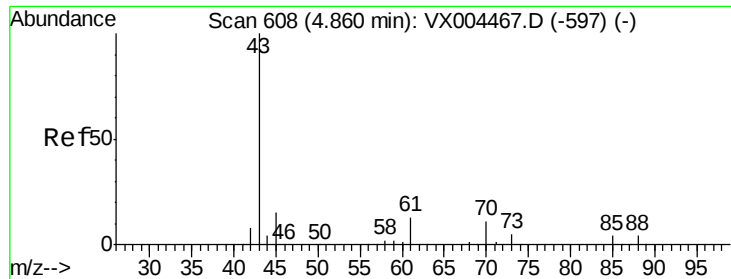


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

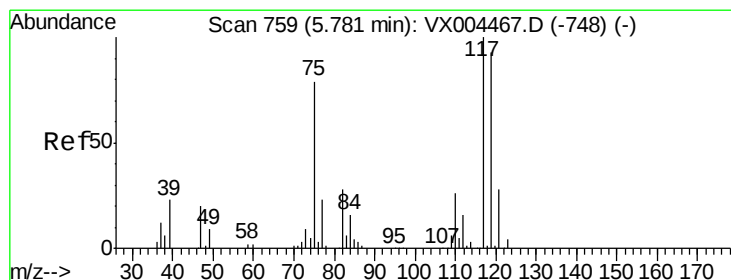
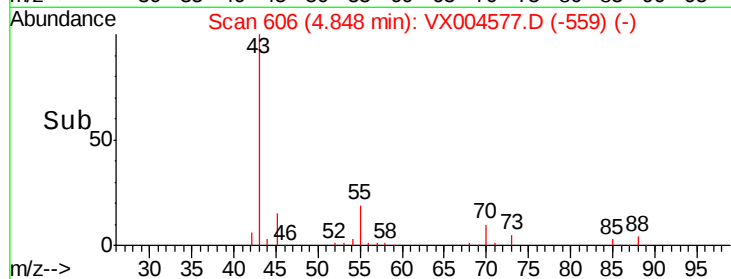
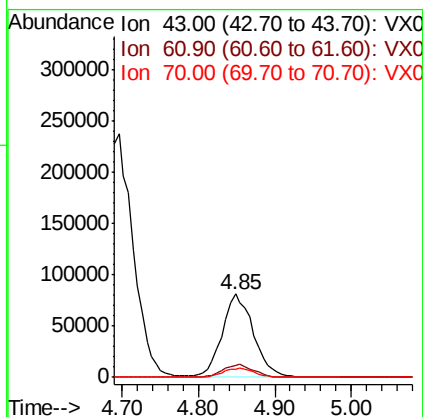
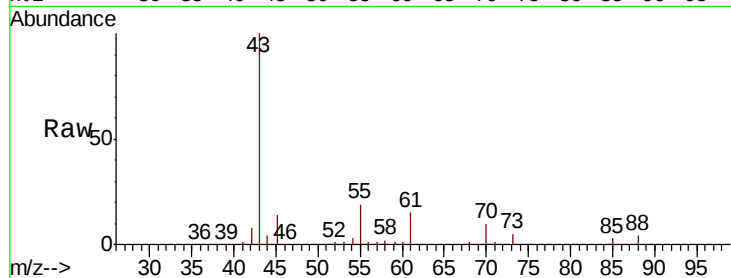




#37
Ethyl Acetate
Concen: 48.19 ug/l
RT: 4.85 min Scan# 606
Delta R.T. -0.01 min
Lab File: VX004577.D
Acq: 15 Sep 2018 11:33

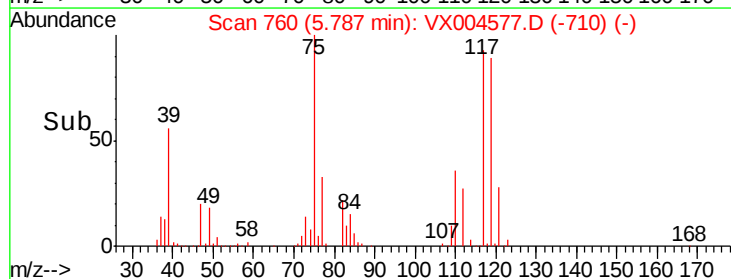
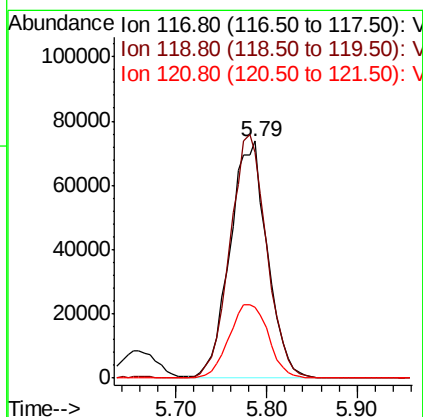
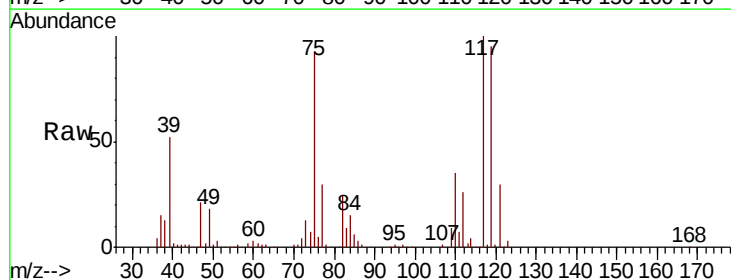
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

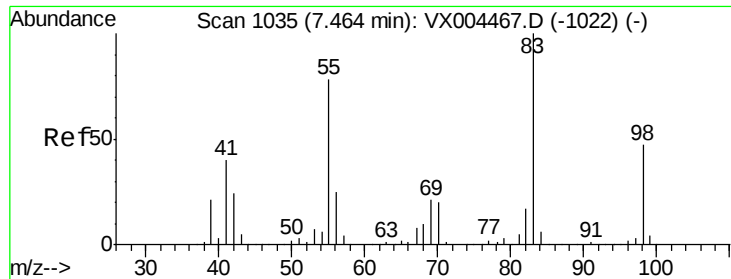
Tot Ion: 43 Resp: 227893
Ion Ratio Lower Upper
43 100
61 15.2 11.5 17.3
70 11.1 9.0 13.6



#38
Carbon Tetrachloride
Concen: 51.78 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.01 min
Lab File: VX004577.D
Acq: 15 Sep 2018 11:33

Tgt Ion: 117 Resp: 210313
Ion Ratio Lower Upper
117 100
119 95.1 78.8 118.2
121 29.8 24.9 37.3

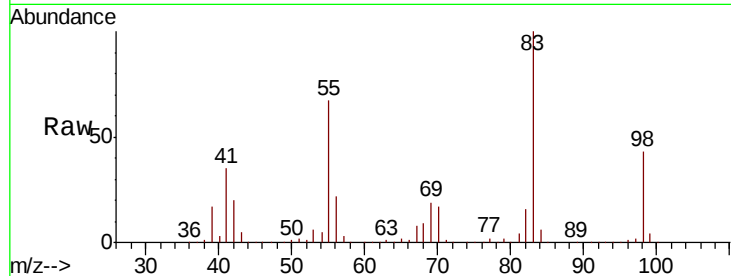




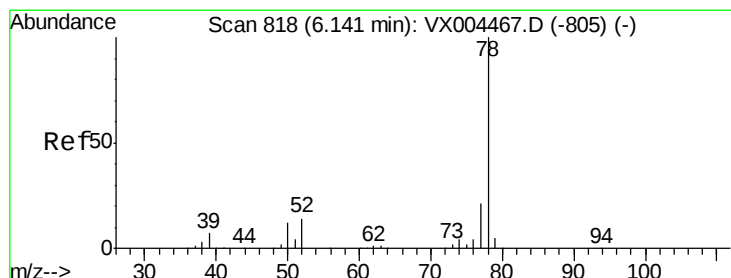
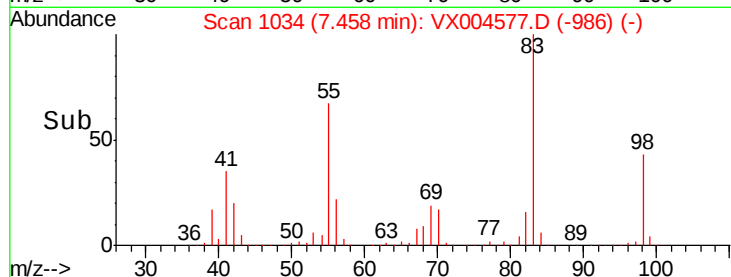
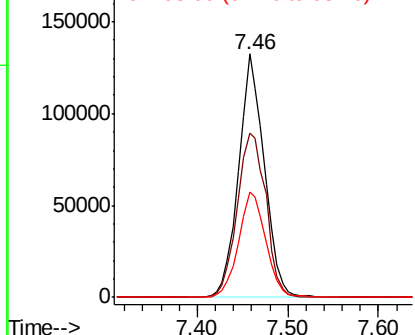
#39
Methvlcvclohexane
Concen: 59.72 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX004577.D
Acq: 15 Sep 2018 11:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 83 Resp: 259126
Ion Ratio Lower Upper
83 100
55 67.4 61.0 91.4
98 43.5 39.6 59.4

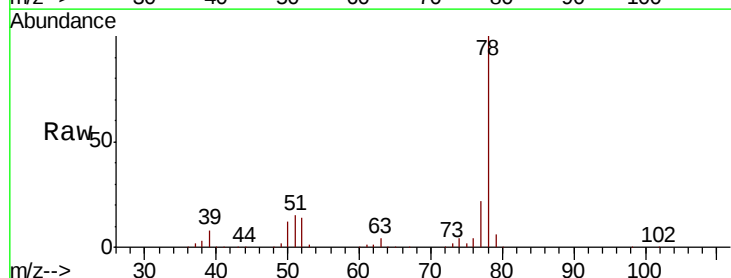


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

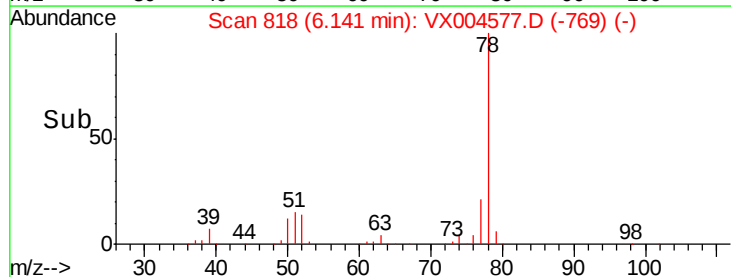
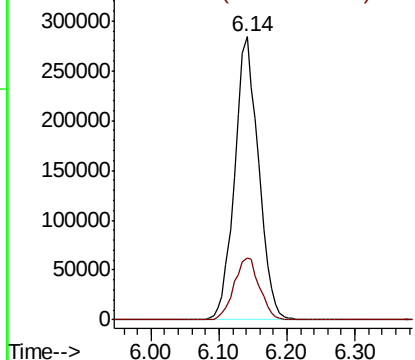


#40
Benzene
Concen: 56.14 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX004577.D
Acq: 15 Sep 2018 11:33

Tgt Ion: 78 Resp: 692658
Ion Ratio Lower Upper
78 100
77 21.8 19.0 28.4



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

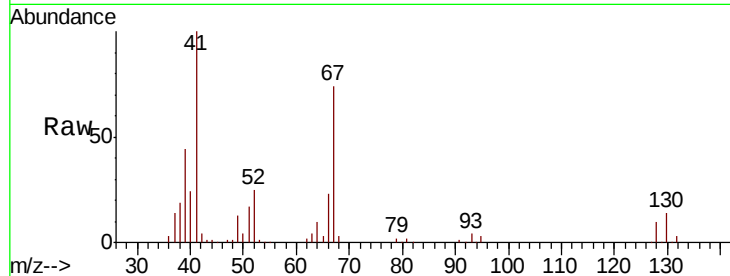




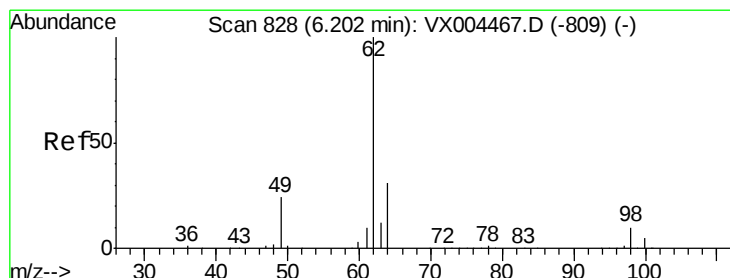
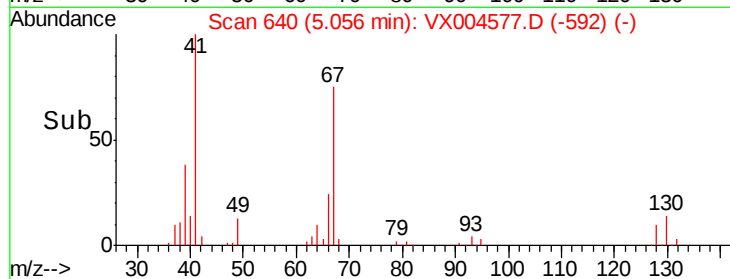
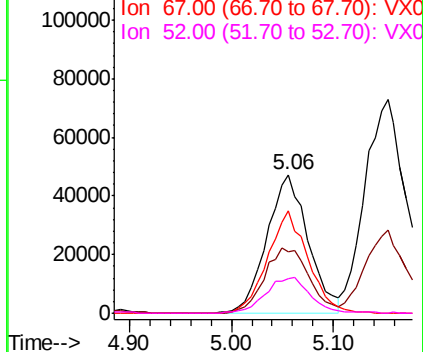
#41
Methacrylonitrile
Concen: 50.94 ug/l
RT: 5.06 min Scan# 640
Delta R.T. -0.01 min
Lab File: VX004577.D
Acq: 15 Sep 2018 11:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:	41	Resp:	132738
Ion	Ratio	Lower	Upper
41	100		
39	51.3	42.4	63.6
67	72.2	59.2	88.8
52	27.3	23.0	34.4

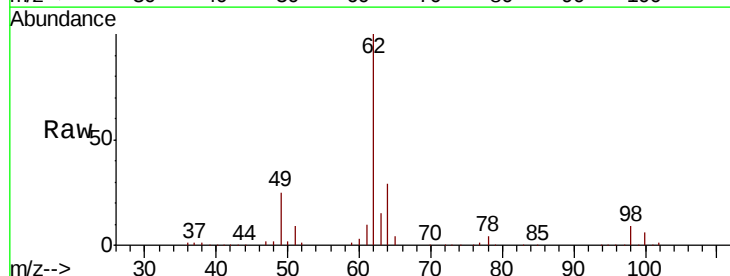


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

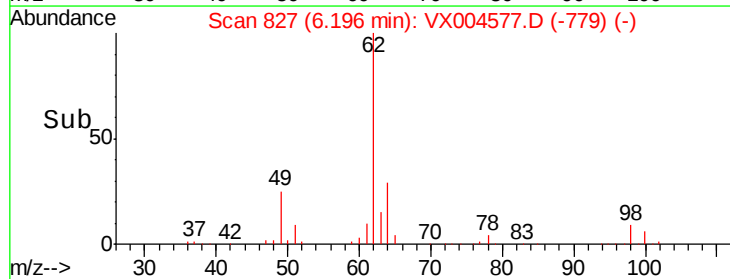
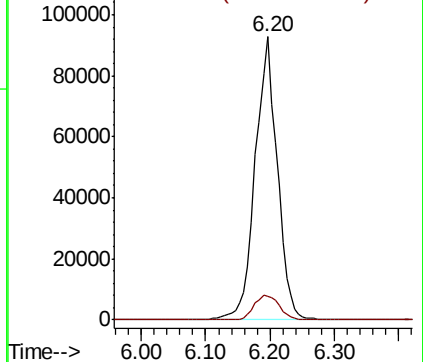


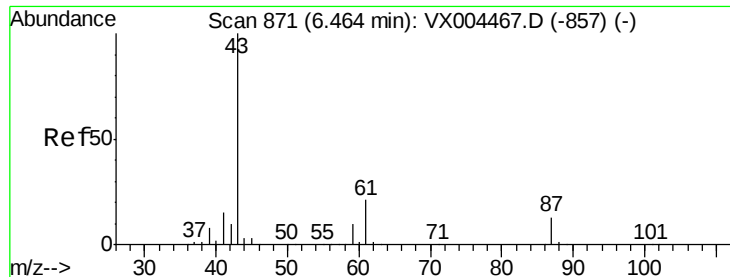
#42
1,2-Dichloroethane
Concen: 53.31 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.01 min
Lab File: VX004577.D
Acq: 15 Sep 2018 11:33

Tgt Ion:	62	Resp:	218143
Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	20.6



Abundance Ion 61.90 (61.60 to 62.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



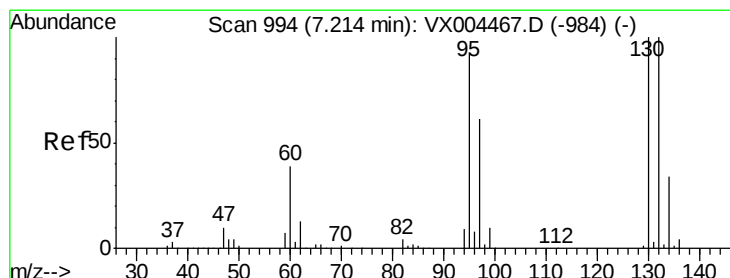
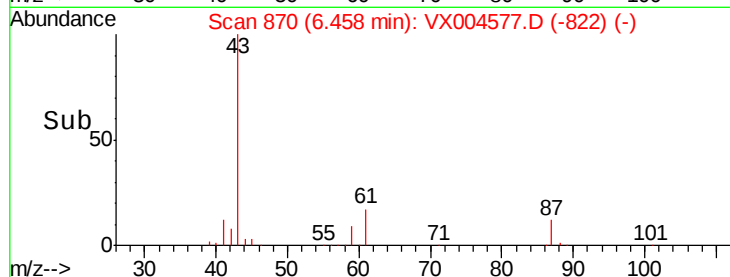
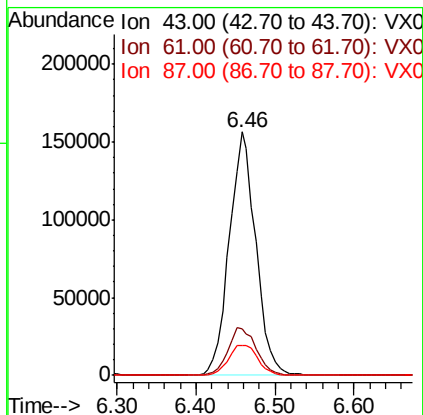
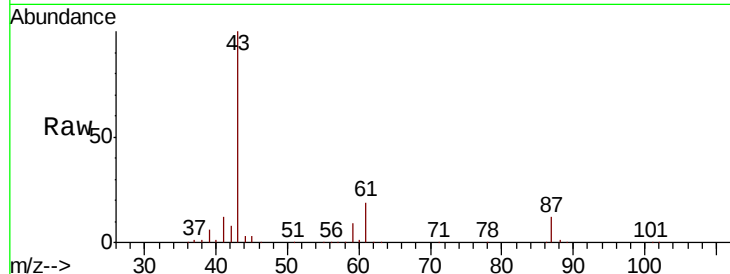


#43

Isopropyl Acetate
 Concen: 58.07 ug/l
 RT: 6.46 min Scan# 870
 Delta R.T. -0.01 min
 Lab File: VX004577.D
 Acq: 15 Sep 2018 11:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

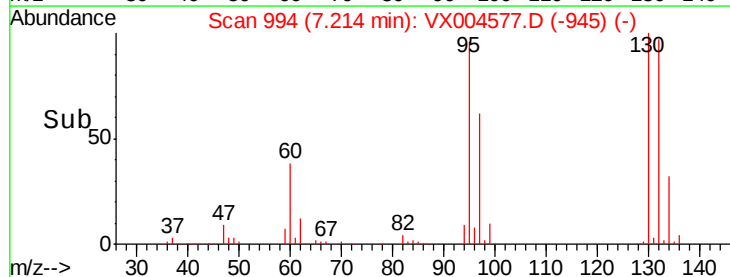
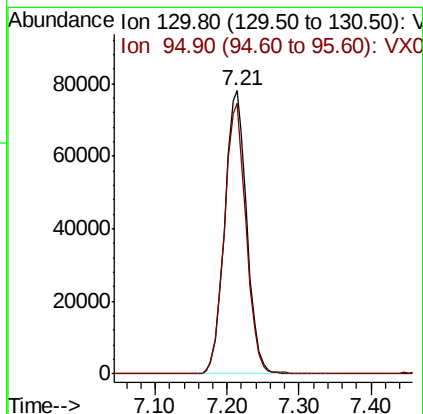
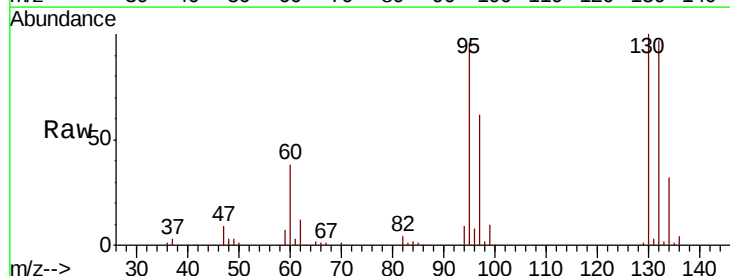
Tot Ion	43	Resp	364759
Ion Ratio	Lower	Upper	
43	100		
61	21.0	17.0	25.4
87	14.0	11.4	17.2

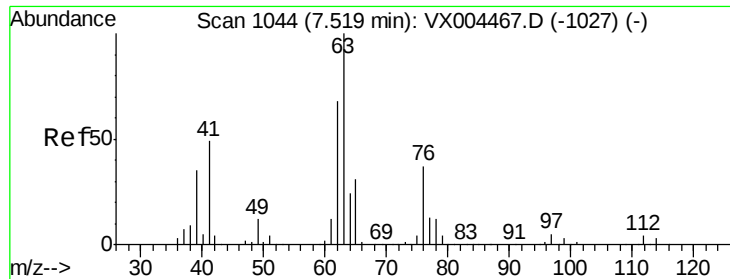


#44

Trichloroethene
 Concen: 51.98 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX004577.D
 Acq: 15 Sep 2018 11:33

Tgt Ion	130	Resp	166620
Ion Ratio	Lower	Upper	
130	100		
95	95.8	0.0	181.6





#45

1,2-Dichloropropane

Concen: 52.26 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VX004577.D

Acq: 15 Sep 2018 11:33

Instrument :

MSVOA_X

ClientSampleId :

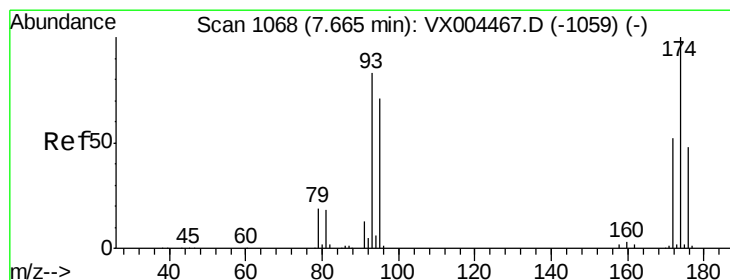
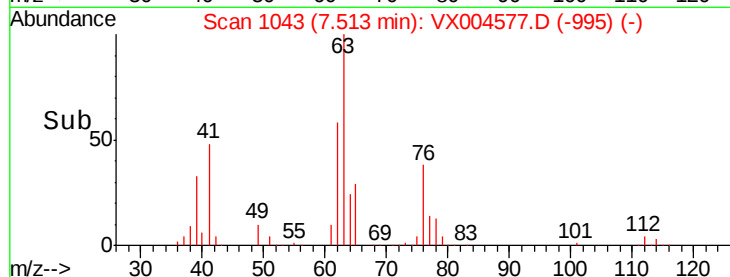
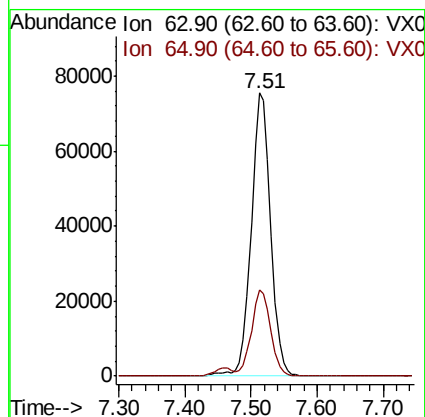
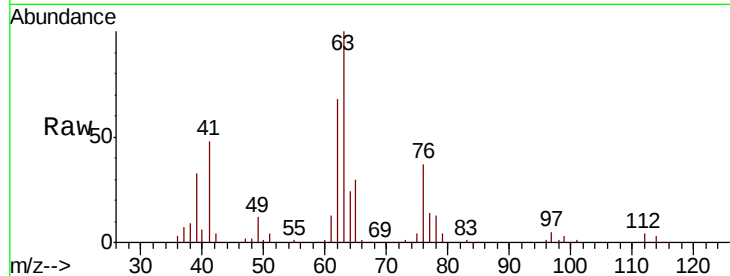
VSTDCCC050

Tot Ion: 63 Resp: 155135

Ion Ratio Lower Upper

63 100

65 30.4 24.3 36.5



#46

Dibromomethane

Concen: 51.30 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.01 min

Lab File: VX004577.D

Acq: 15 Sep 2018 11:33

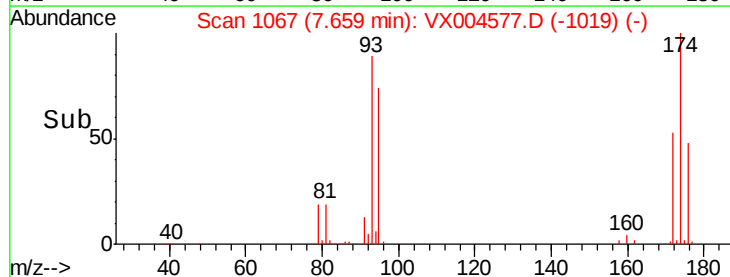
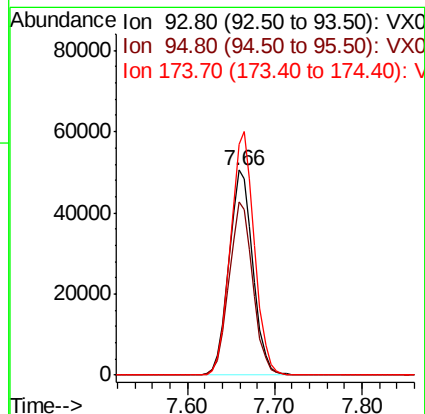
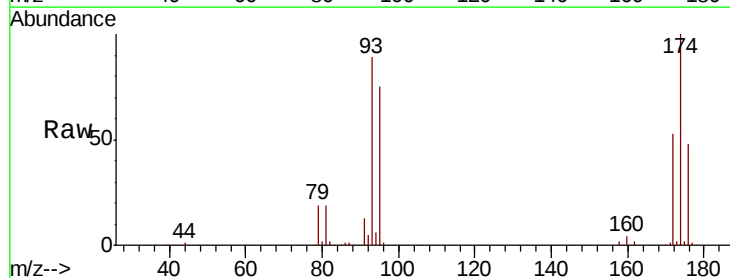
Tgt Ion: 93 Resp: 96214

Ion Ratio Lower Upper

93 100

95 83.9 65.5 98.3

174 118.2 94.2 141.4





#47

Bromodichloromethane

Concen: 52.27 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VX004577.D

Acq: 15 Sep 2018 11:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

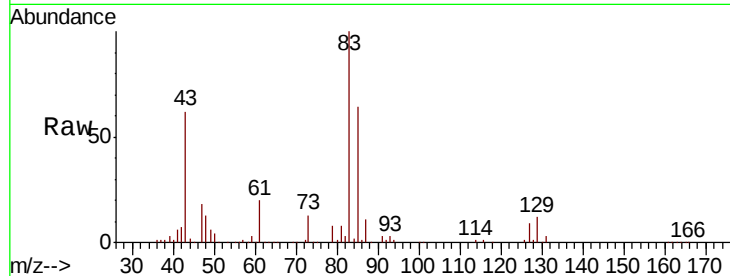
Tot Ion: 83 Resp: 185374

Ion Ratio Lower Upper

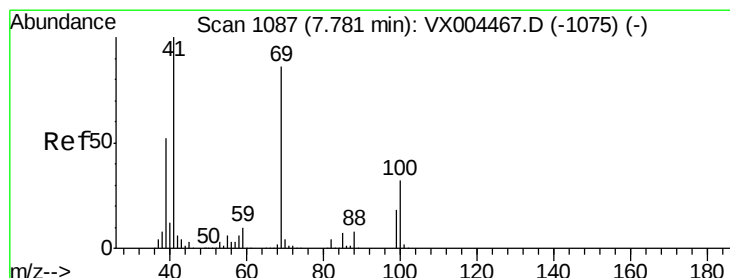
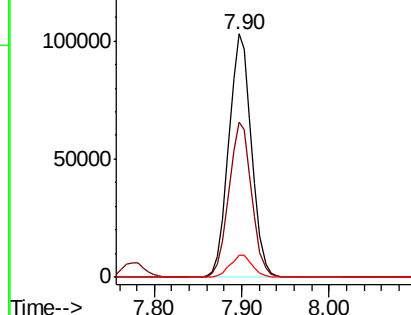
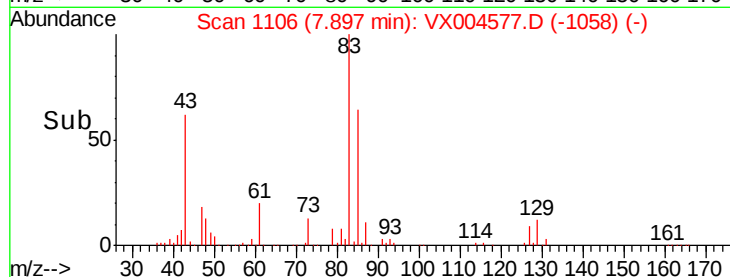
83 100

85 63.9 50.9 76.3

127 9.4 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: 51.92 ug/l

RT: 7.77 min Scan# 1086

Delta R.T. -0.01 min

Lab File: VX004577.D

Acq: 15 Sep 2018 11:33

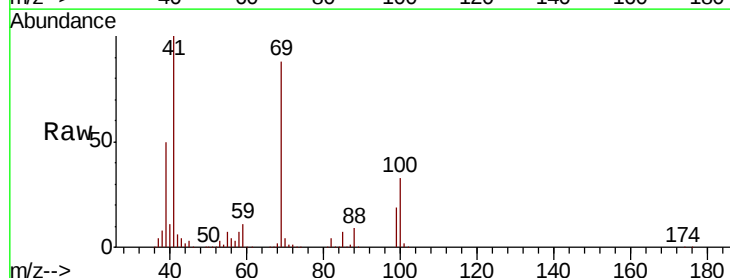
Tgt Ion: 41 Resp: 161401

Ion Ratio Lower Upper

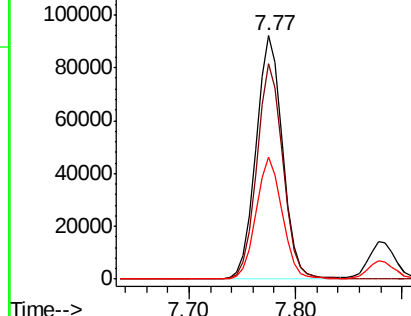
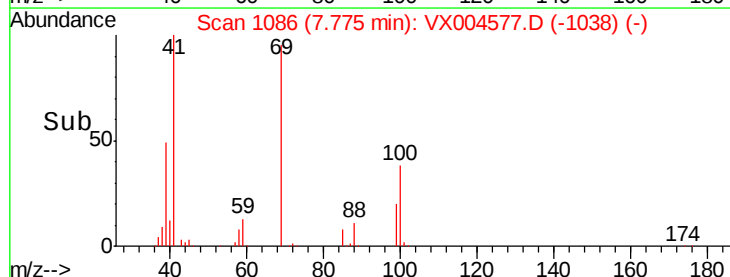
41 100

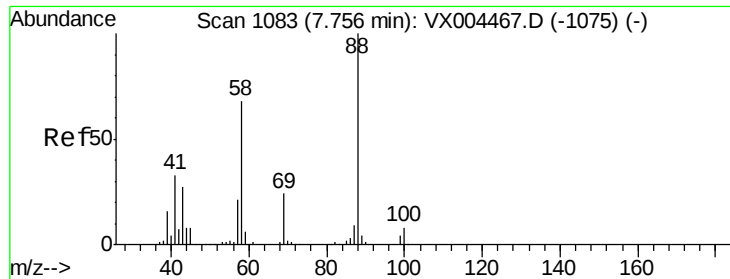
69 87.4 70.2 105.4

39 49.7 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

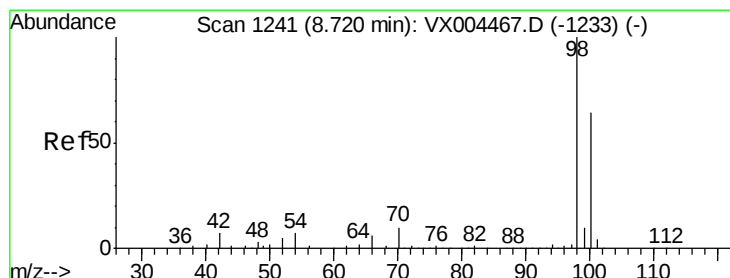
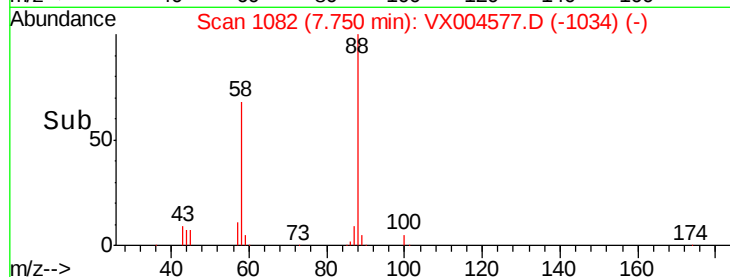
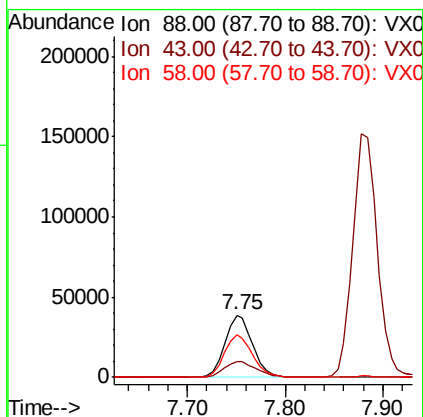
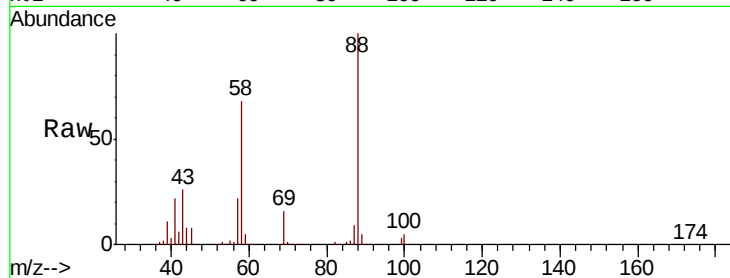




#49
1,4-Dioxane
Concen: 1007.11 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. -0.01 min
Lab File: VX004577.D
Acq: 15 Sep 2018 11:33

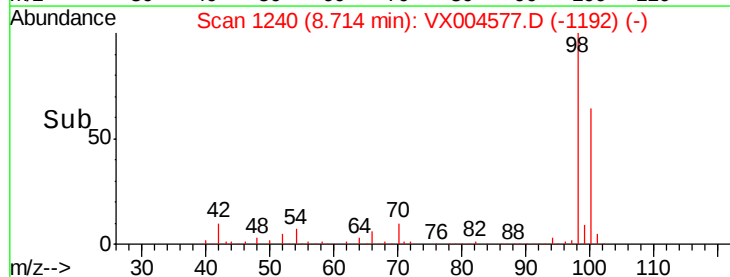
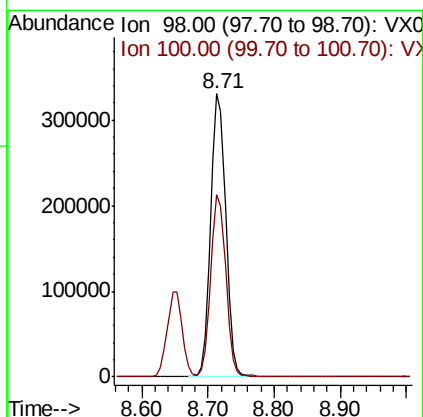
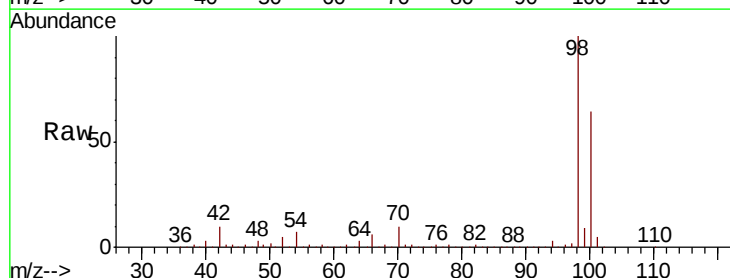
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

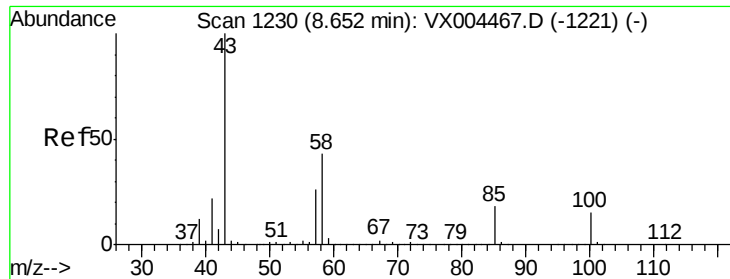
Tot Ion: 88 Resp: 74100
Ion Ratio Lower Upper
88 100
43 29.4 24.7 37.1
58 70.4 55.3 82.9



#50
Toluene-d8
Concen: 49.88 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.01 min
Lab File: VX004577.D
Acq: 15 Sep 2018 11:33

Tgt Ion: 98 Resp: 524328
Ion Ratio Lower Upper
98 100
100 64.1 52.9 79.3

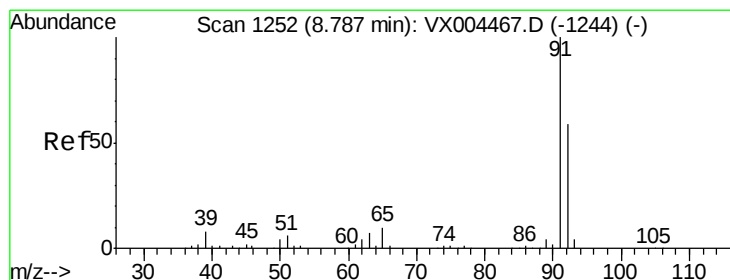
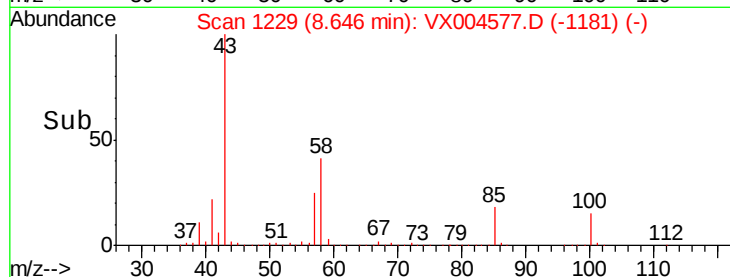
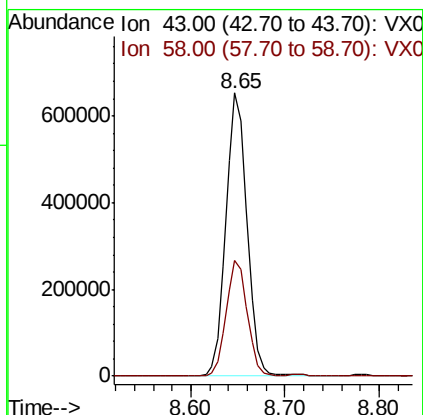
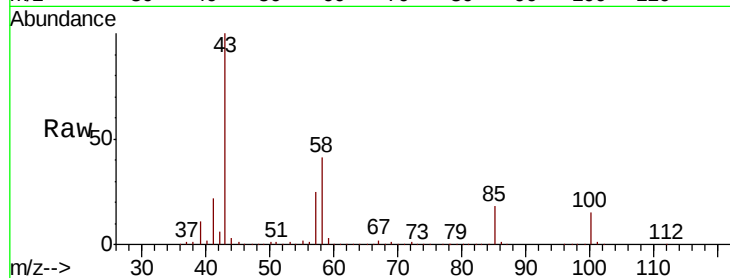




#51
4-Methyl-2-Pentanone
Concen: 229.32 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. -0.01 min
Lab File: VX004577.D
Acq: 15 Sep 2018 11:33

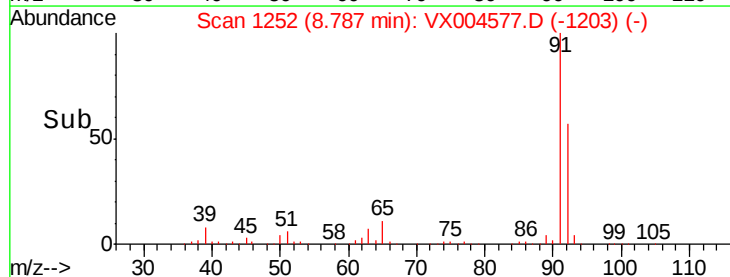
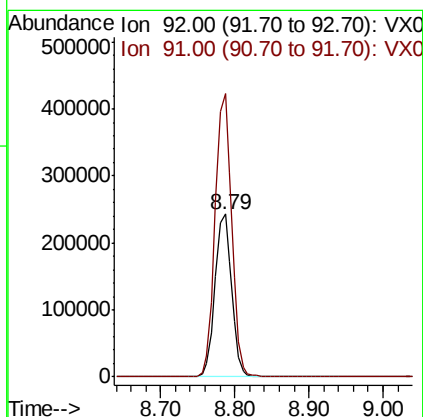
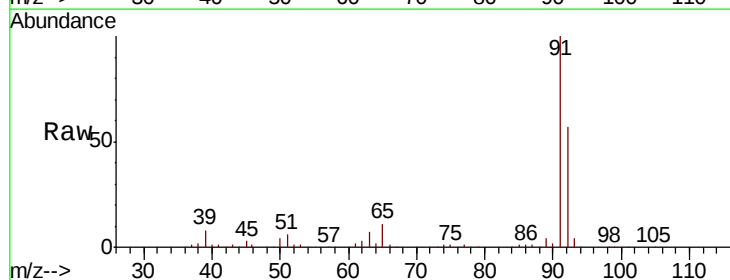
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1016555
Ion Ratio Lower Upper
43 100
58 40.6 33.1 49.7



#52
Toluene
Concen: 51.19 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. 0.00 min
Lab File: VX004577.D
Acq: 15 Sep 2018 11:33

Tgt Ion: 92 Resp: 372120
Ion Ratio Lower Upper
92 100
91 173.7 136.4 204.6

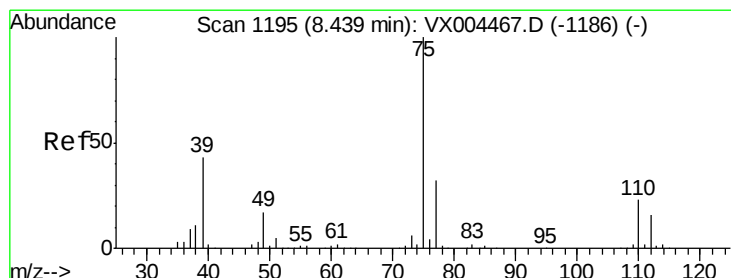
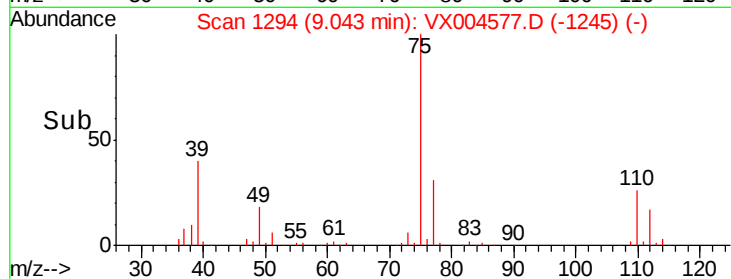
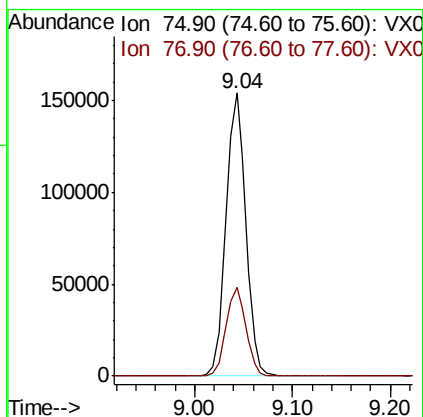
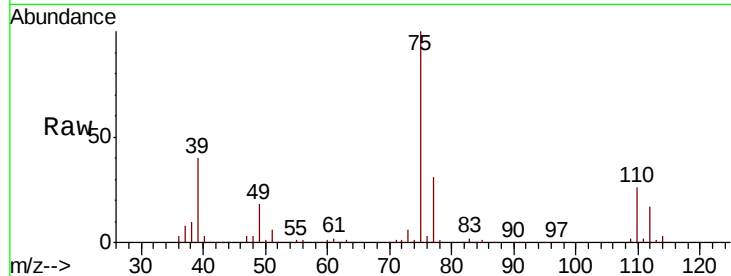




#53
 t-1,3-Dichloropropene
 Concen: 52.07 ug/l
 RT: 9.04 min Scan# 1294
 Delta R.T. 0.00 min
 Lab File: VX004577.D
 Acq: 15 Sep 2018 11:33

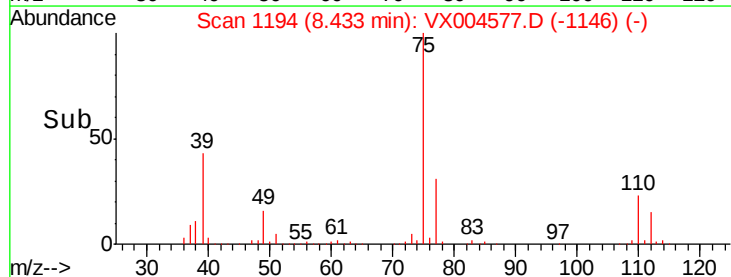
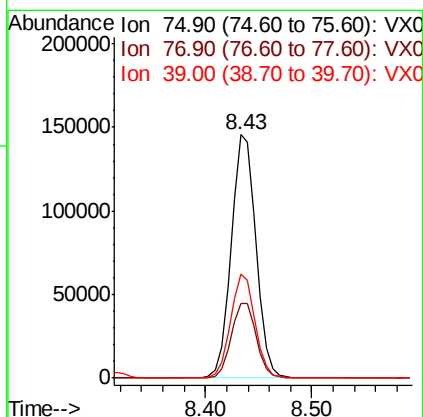
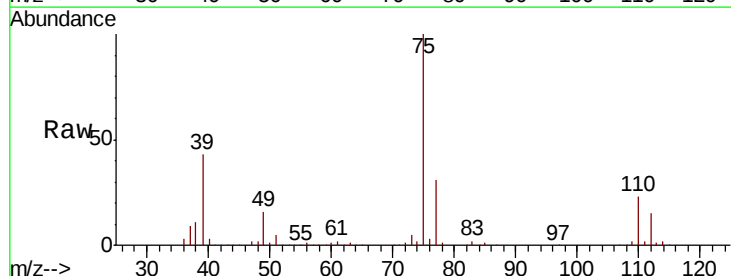
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 75 Resp: 215746
 Ion Ratio Lower Upper
 75 100
 77 31.2 24.6 37.0



#54
 cis-1,3-Dichloropropene
 Concen: 56.19 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. -0.01 min
 Lab File: VX004577.D
 Acq: 15 Sep 2018 11:33

Tgt Ion: 75 Resp: 237328
 Ion Ratio Lower Upper
 75 100
 77 30.9 26.2 39.2
 39 42.8 36.4 54.6

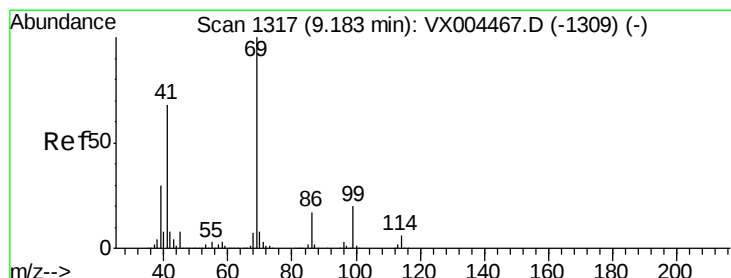
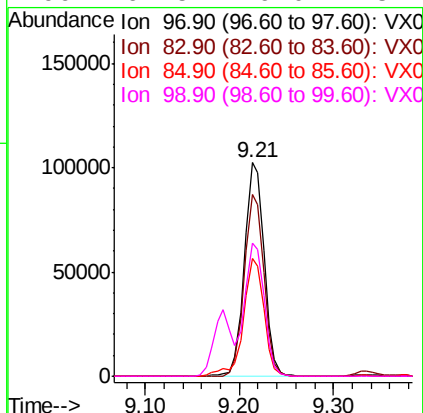
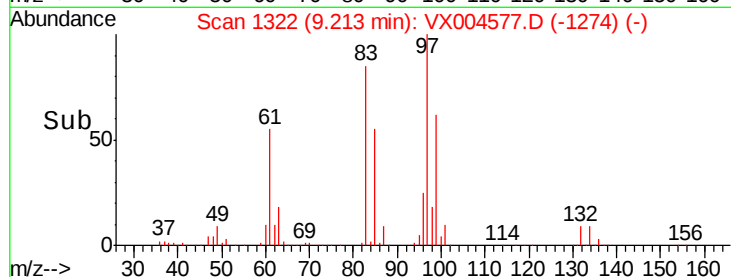
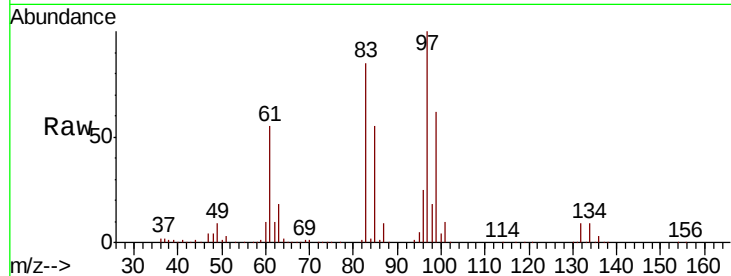




#55
 1,1,2-Trichloroethane
 Concen: 47.91 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.01 min
 Lab File: VX004577.D
 Acq: 15 Sep 2018 11:33

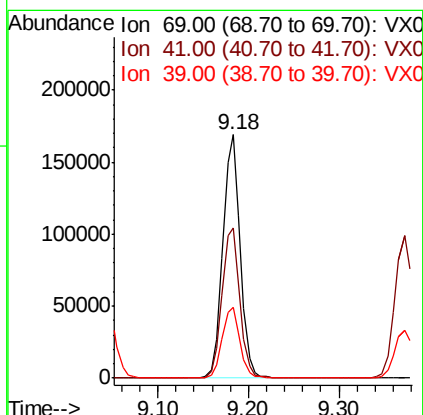
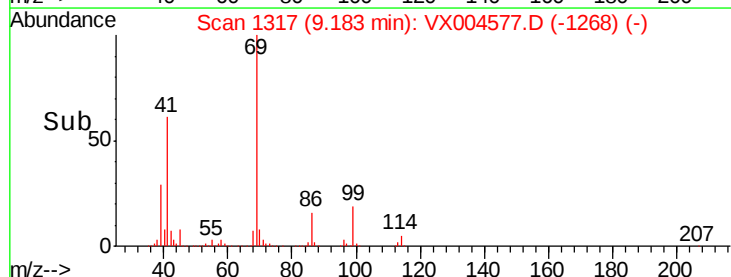
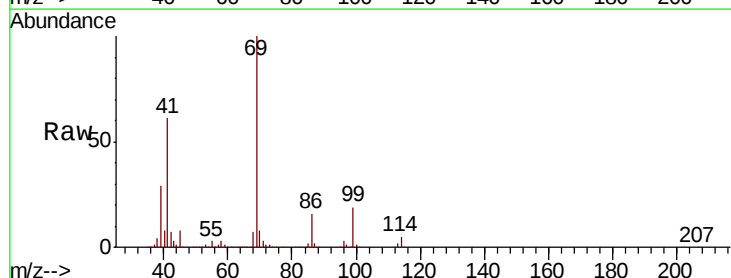
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

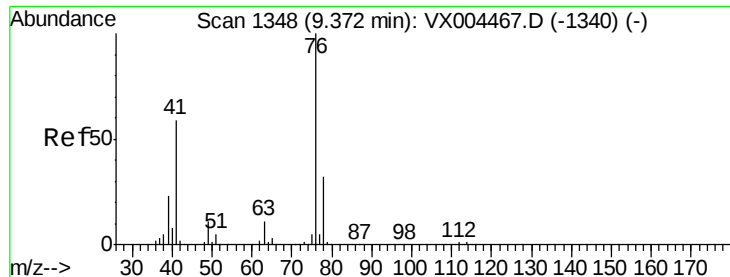
Tot Ion: 97 Resp: 149954
 Ion Ratio Lower Upper
 97 100
 83 85.2 66.4 99.6
 85 55.4 43.3 64.9
 99 62.5 49.0 73.4



#56
 Ethyl methacrylate
 Concen: 51.34 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. 0.00 min
 Lab File: VX004577.D
 Acq: 15 Sep 2018 11:33

Tgt Ion: 69 Resp: 227309
 Ion Ratio Lower Upper
 69 100
 41 63.2 51.0 76.4
 39 29.6 26.1 39.1

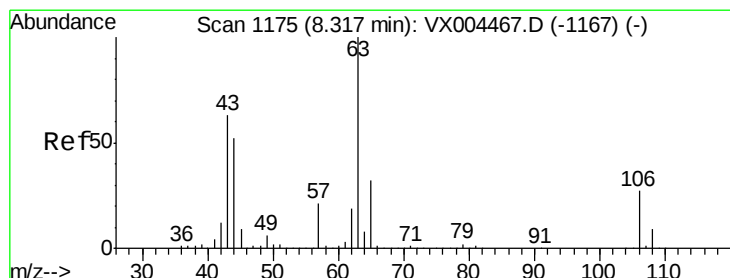
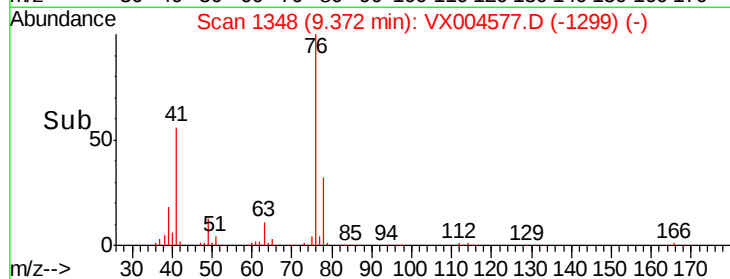
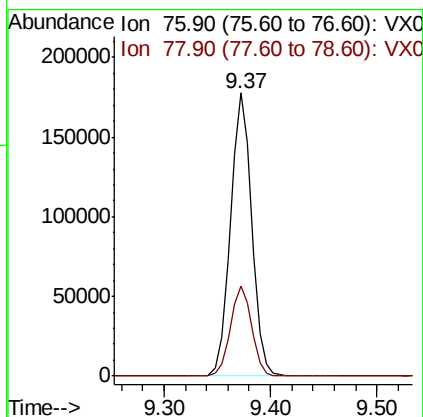
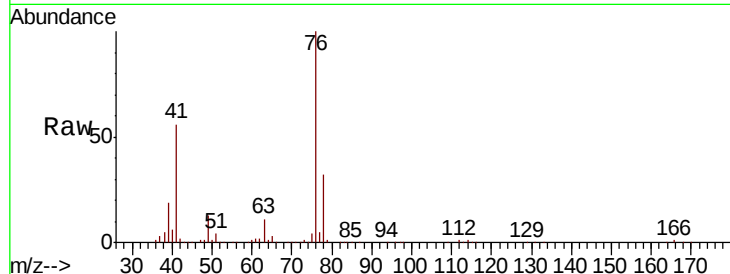




#57
 1,3-Dichloropropane
 Concen: 48.94 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VX004577.D
 Acq: 15 Sep 2018 11:33

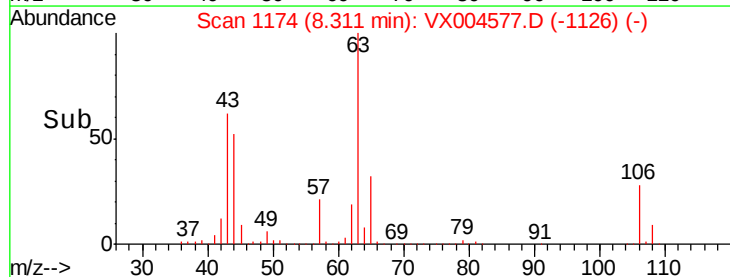
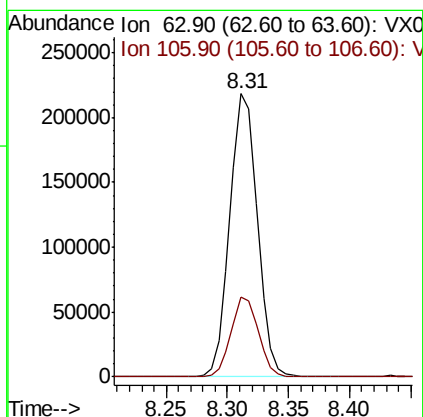
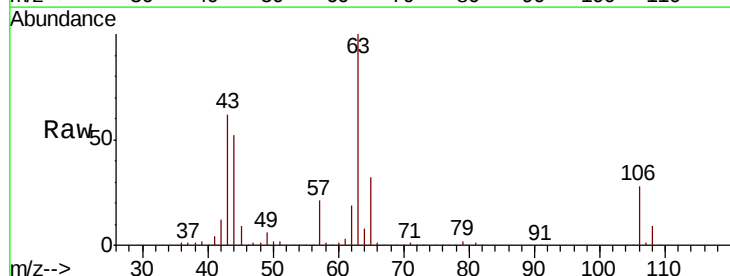
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

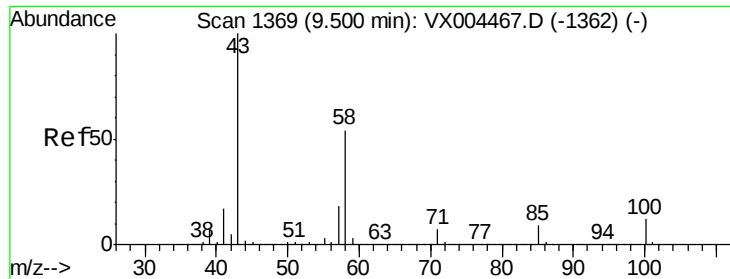
Tot Ion: 76 Resp: 248863
 Ion Ratio Lower Upper
 76 100
 78 31.9 25.5 38.3



#58
 2-Chloroethyl Vinyl ether
 Concen: 153.92 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. -0.01 min
 Lab File: VX004577.D
 Acq: 15 Sep 2018 11:33

Tgt Ion: 63 Resp: 340730
 Ion Ratio Lower Upper
 63 100
 106 27.9 23.9 35.9

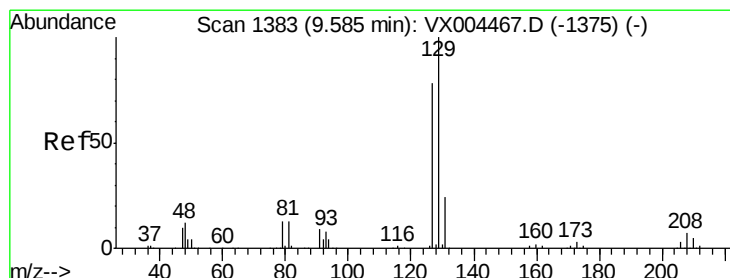
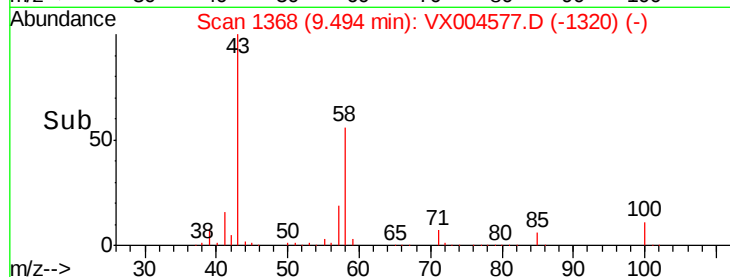
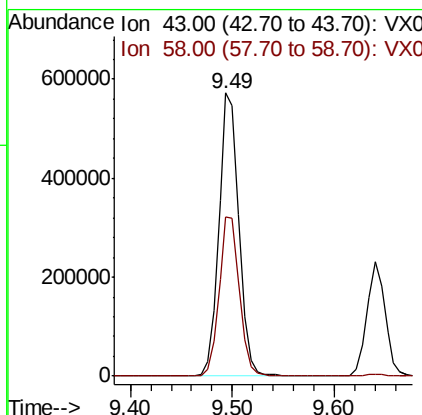
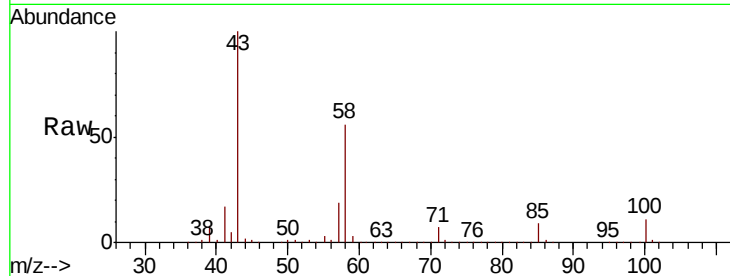




#59
 2-Hexanone
 Concen: 231.54 ug/l
 RT: 9.49 min Scan# 1368
 Delta R.T. -0.01 min
 Lab File: VX004577.D
 Acq: 15 Sep 2018 11:33

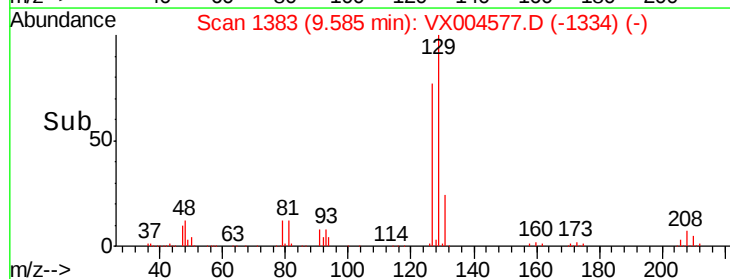
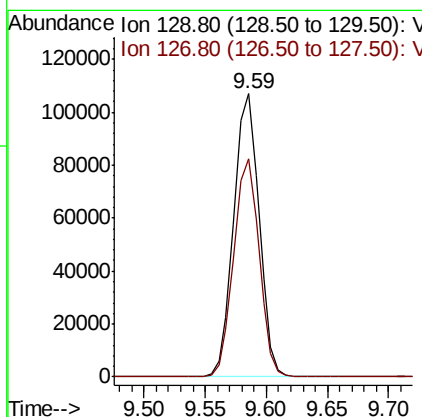
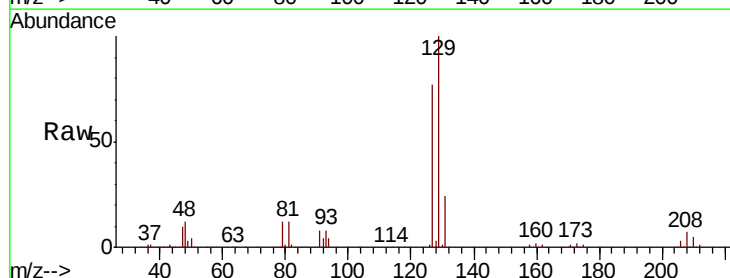
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

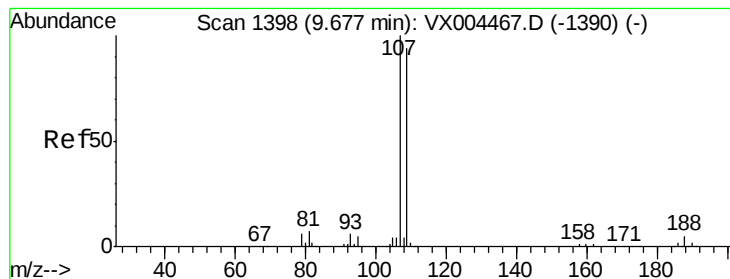
Tot Ion: 43 Resp: 787283
 Ion Ratio Lower Upper
 43 100
 58 56.9 29.0 87.0



#60
 Dibromochloromethane
 Concen: 52.11 ug/l
 RT: 9.59 min Scan# 1383
 Delta R.T. 0.00 min
 Lab File: VX004577.D
 Acq: 15 Sep 2018 11:33

Tgt Ion: 129 Resp: 153558
 Ion Ratio Lower Upper
 129 100
 127 77.0 38.5 115.5





#61

1,2-Dibromoethane

Concen: 51.40 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.01 min

Lab File: VX004577.D

Acq: 15 Sep 2018 11:33

Instrument :

MSVOA_X

ClientSampleId :

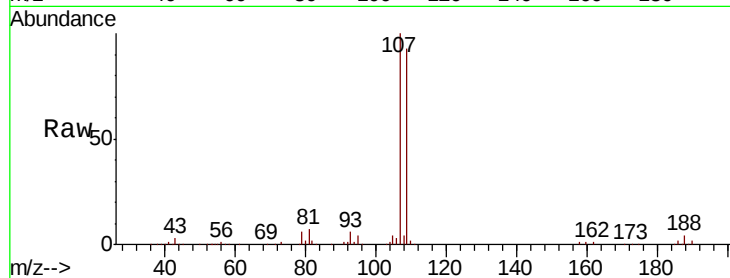
VSTDCCC050

Tot Ion:107 Resp: 153671

Ion Ratio Lower Upper

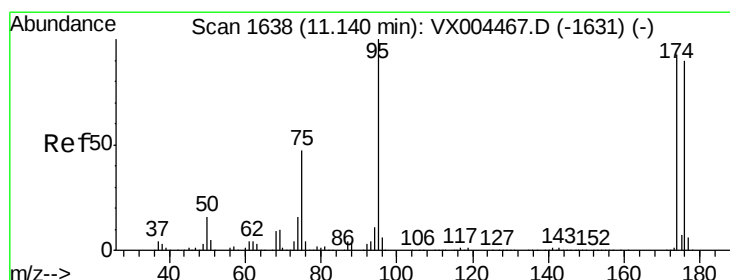
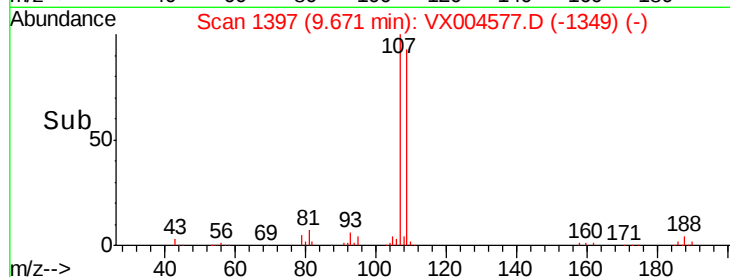
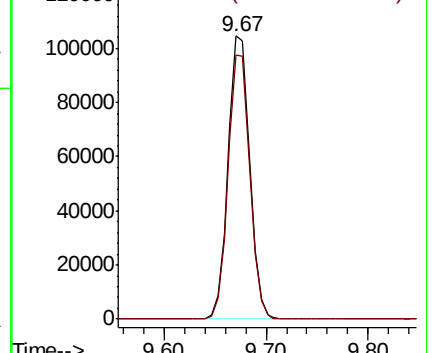
107 100

109 93.9 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: 51.54 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.00 min

Lab File: VX004577.D

Acq: 15 Sep 2018 11:33

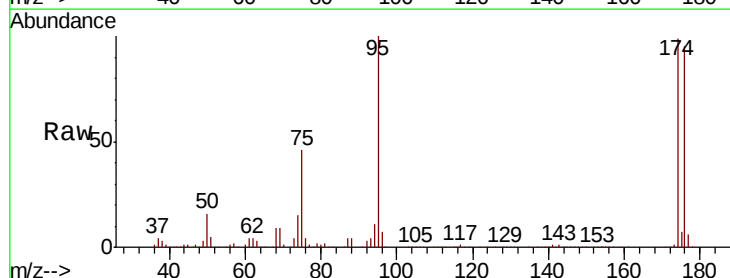
Tgt Ion: 95 Resp: 193371

Ion Ratio Lower Upper

95 100

174 93.4 0.0 185.2

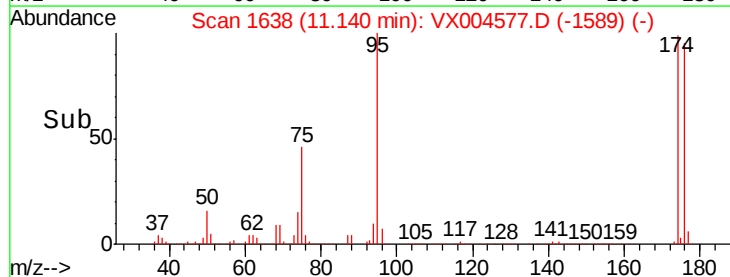
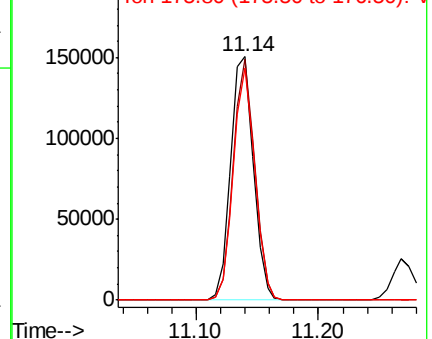
176 90.0 0.0 178.6

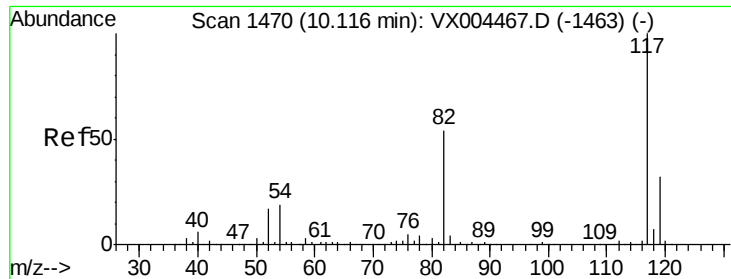


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

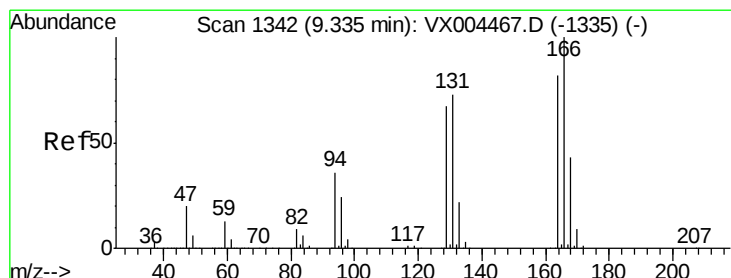
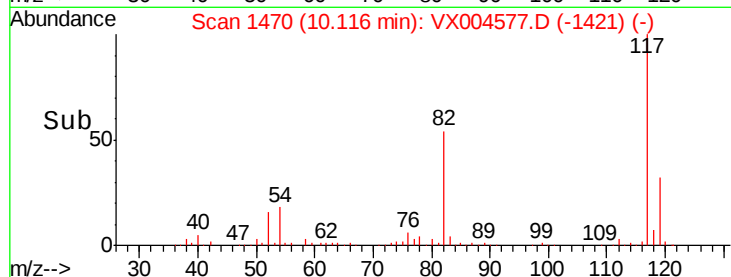
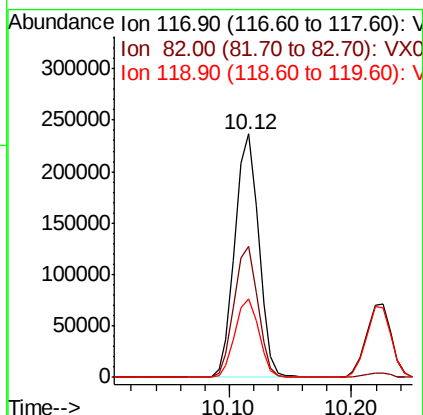
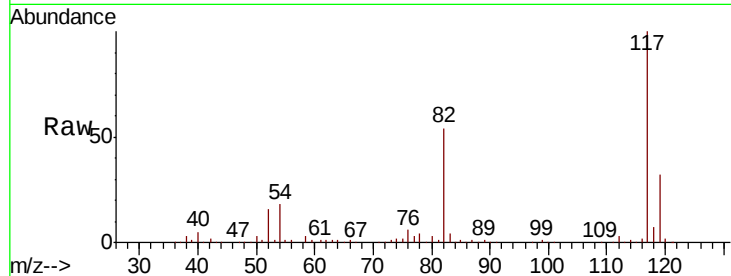




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX004577.D
Acq: 15 Sep 2018 11:33

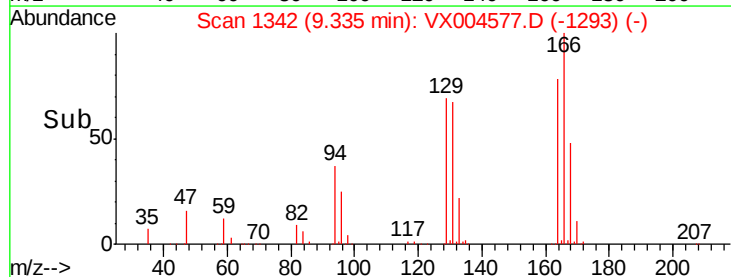
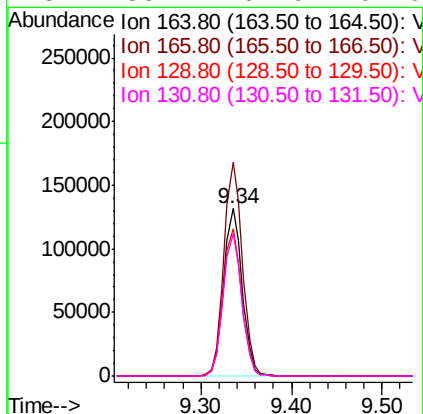
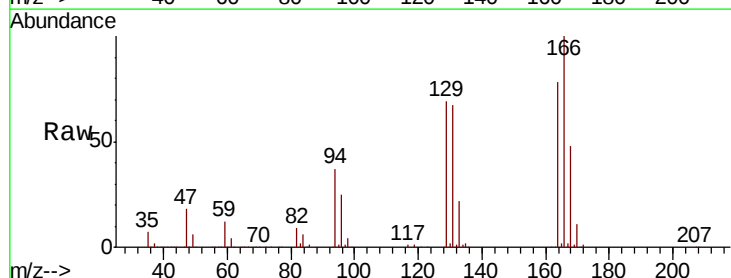
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

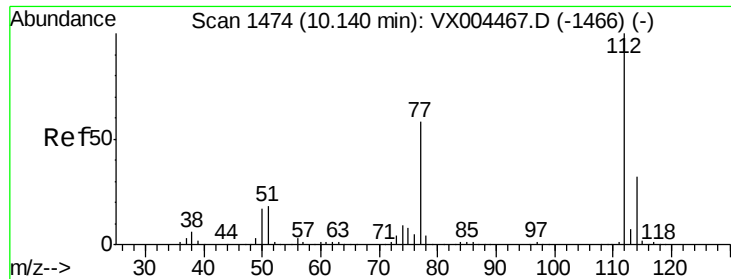
Tot Ion:117 Resp: 318956
Ion Ratio Lower Upper
117 100
82 53.8 47.8 71.6
119 32.5 29.3 43.9



#64
Tetrachloroethene
Concen: 47.03 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX004577.D
Acq: 15 Sep 2018 11:33

Tgt Ion:164 Resp: 187298
Ion Ratio Lower Upper
164 100
166 127.8 102.8 154.2
129 87.9 69.4 104.0
131 85.1 67.9 101.9

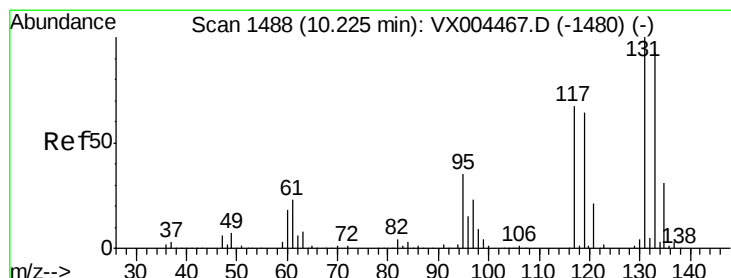
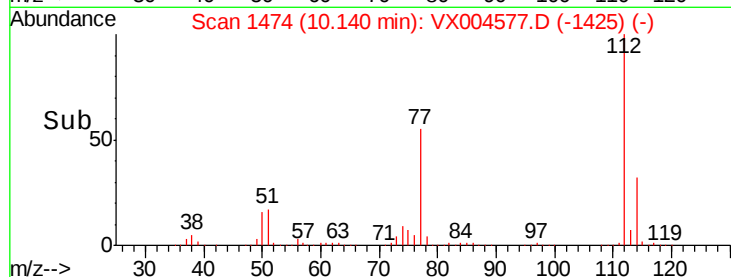
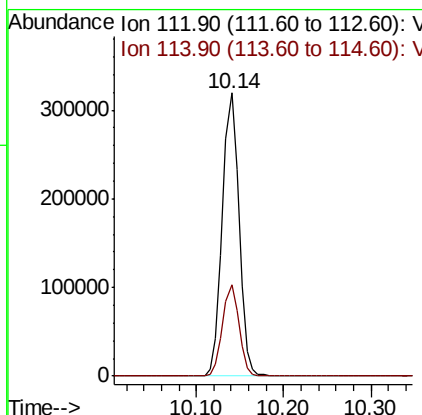
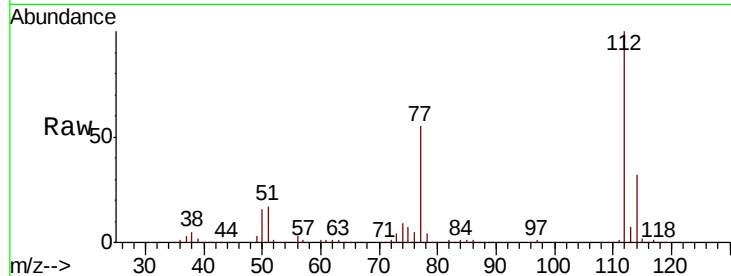




#65
Chlorobenzene
Concen: 53.29 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VX004577.D
Acq: 15 Sep 2018 11:33

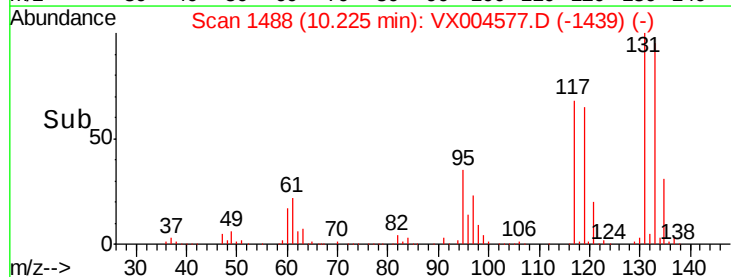
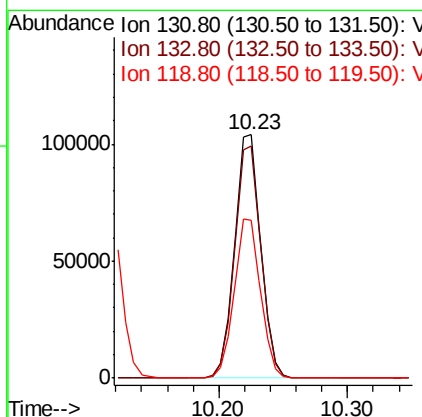
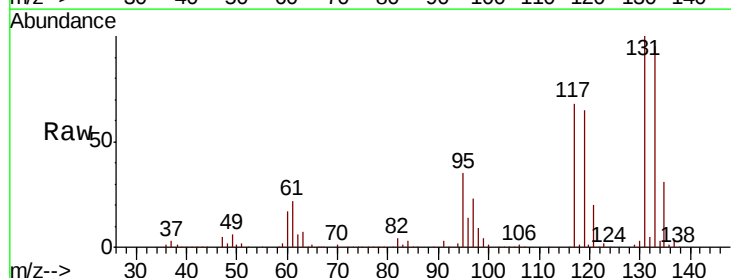
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

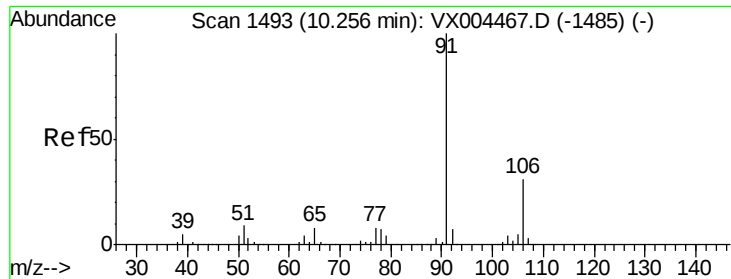
Tot Ion:112 Resp: 422212
Ion Ratio Lower Upper
112 100
114 32.2 27.8 41.8



#66
1,1,1,2-Tetrachloroethane
Concen: 53.87 ug/l
RT: 10.23 min Scan# 1488
Delta R.T. 0.00 min
Lab File: VX004577.D
Acq: 15 Sep 2018 11:33

Tgt Ion:131 Resp: 147185
Ion Ratio Lower Upper
131 100
133 95.8 48.1 144.4
119 65.9 32.9 98.6

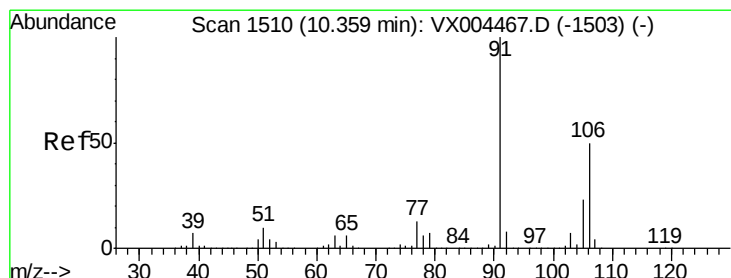
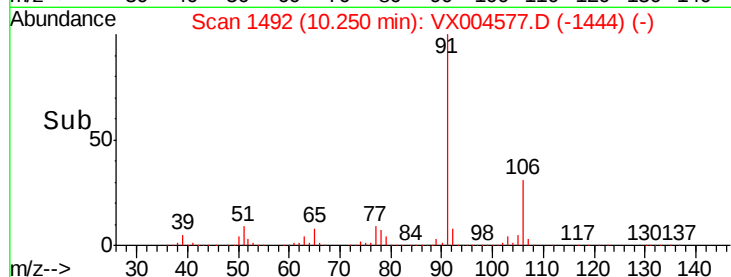
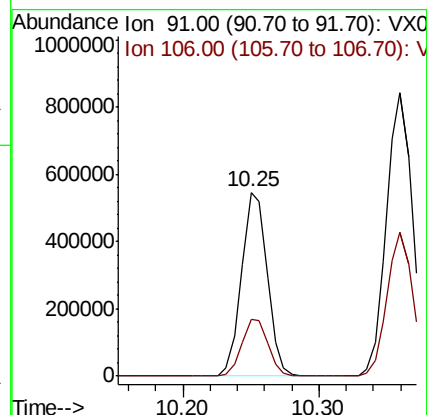
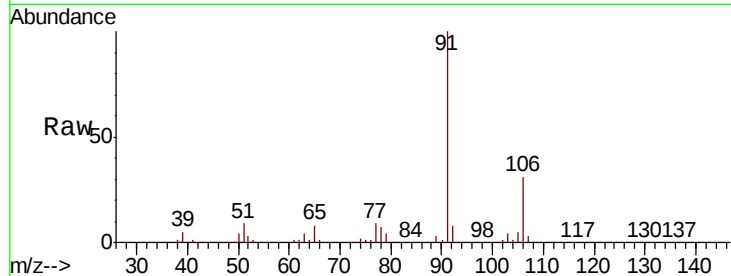




#67
Ethvl Benzene
Concen: 55.94 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VX004577.D
Acq: 15 Sep 2018 11:33

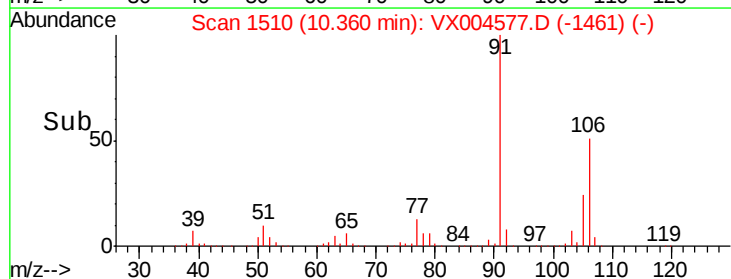
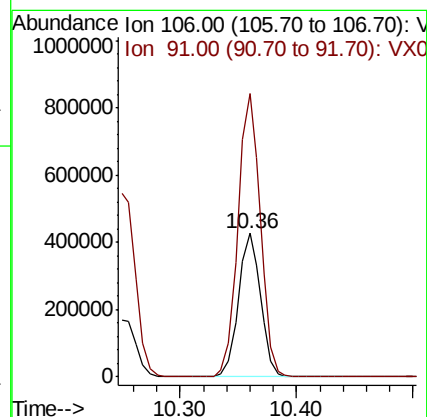
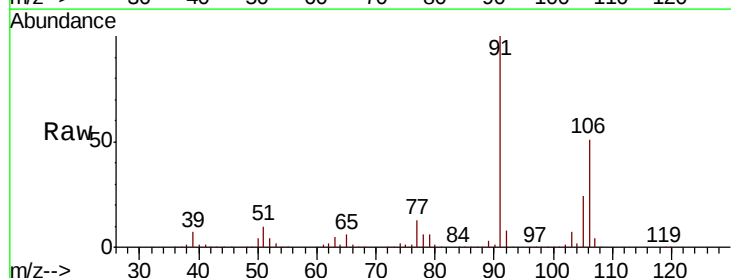
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

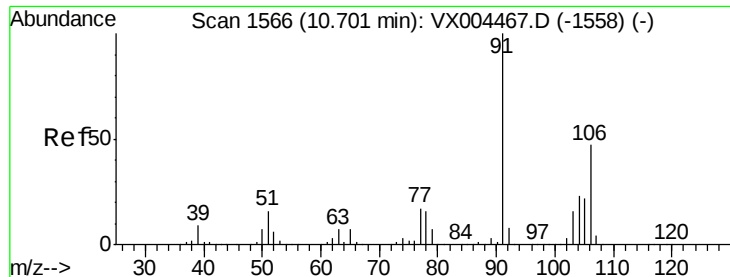
Tot Ion: 91 Resp: 720590
Ion Ratio Lower Upper
91 100
106 31.1 25.9 38.9



#68
m/p-Xylenes
Concen: 113.65 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX004577.D
Acq: 15 Sep 2018 11:33

Tgt Ion: 106 Resp: 563953
Ion Ratio Lower Upper
106 100
91 200.3 157.1 235.7

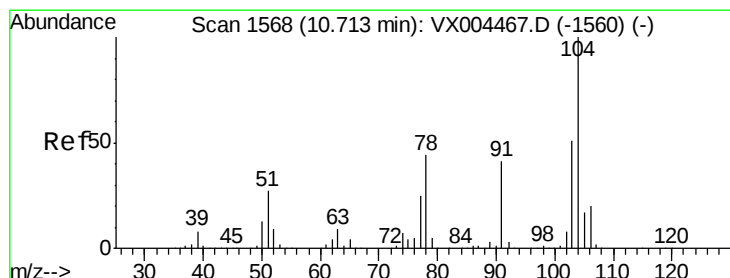
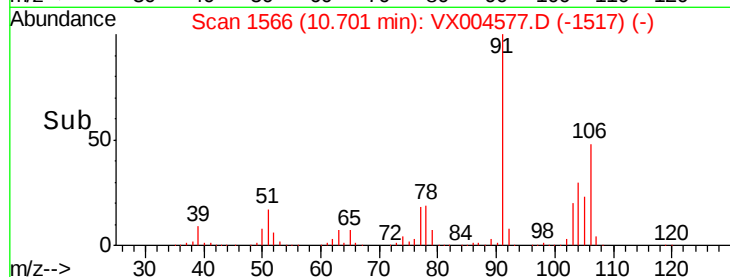
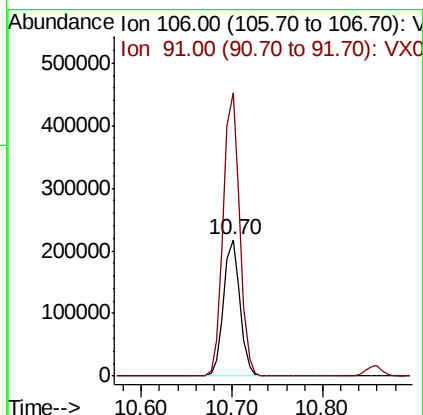
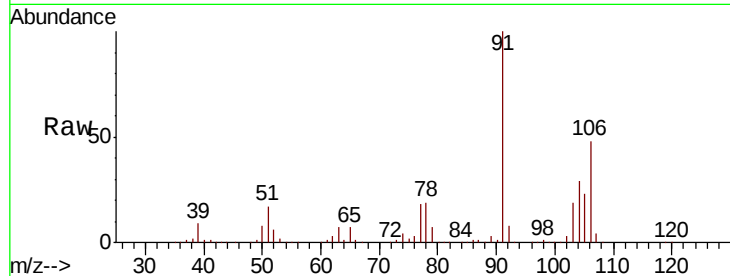




#69
o-Xylene
Concen: 57.17 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX004577.D
Acq: 15 Sep 2018 11:33

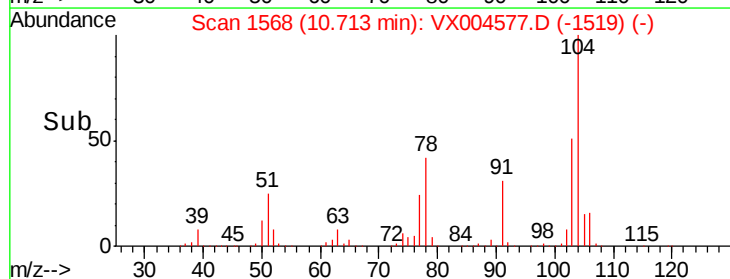
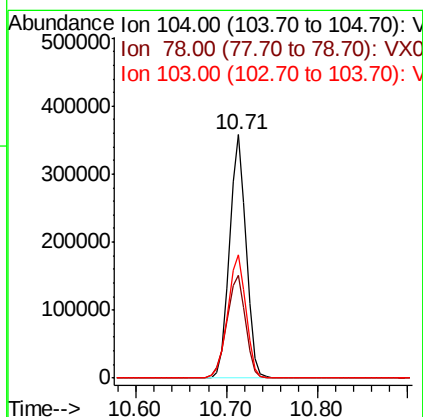
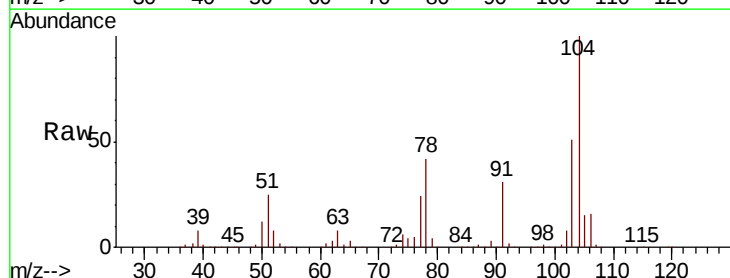
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 272757
Ion Ratio Lower Upper
106 100
91 210.1 105.1 315.1



#70
Styrene
Concen: 57.48 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX004577.D
Acq: 15 Sep 2018 11:33

Tgt Ion:104 Resp: 454289
Ion Ratio Lower Upper
104 100
78 47.9 37.4 56.0
103 55.7 43.8 65.6





#71

Bromoform

Concen: 53.97 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX004577.D

Acq: 15 Sep 2018 11:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

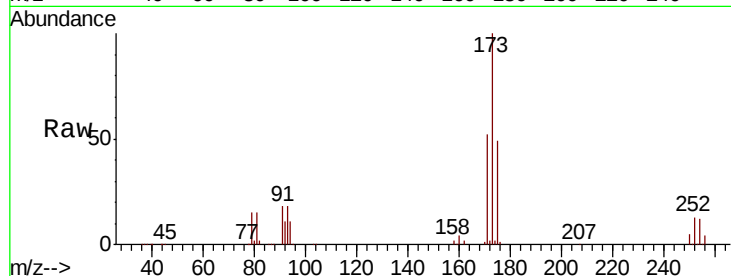
Tot Ion:173 Resp: 121068

Ion Ratio Lower Upper

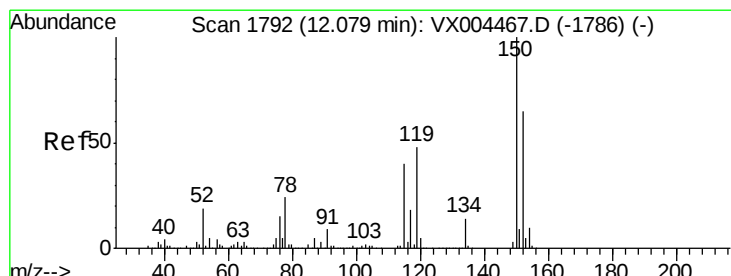
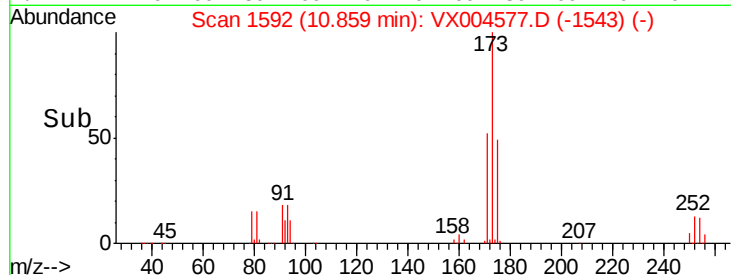
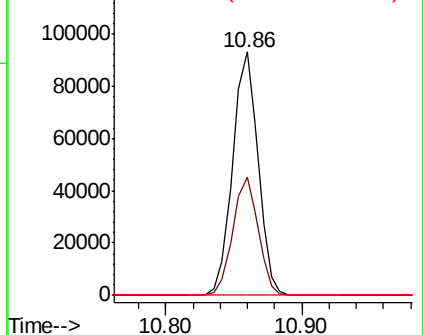
173 100

175 48.5 24.1 72.3

254 0.2 0.2 0.2



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX004577.D

Acq: 15 Sep 2018 11:33

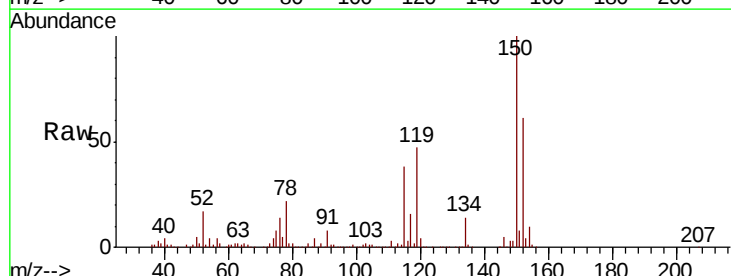
Tgt Ion:152 Resp: 240515

Ion Ratio Lower Upper

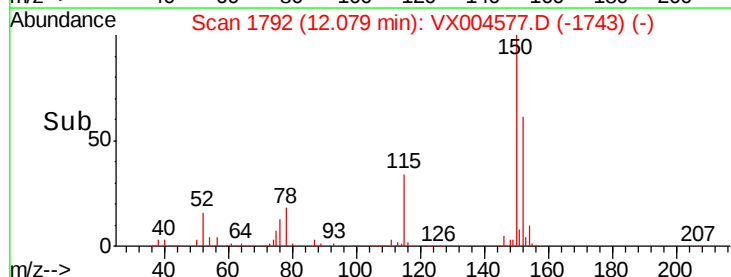
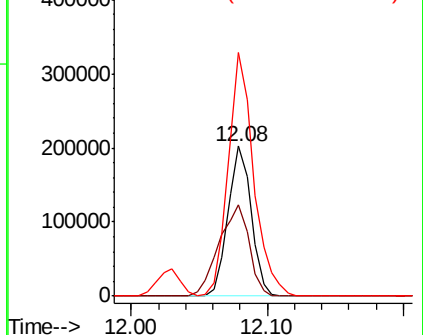
152 100

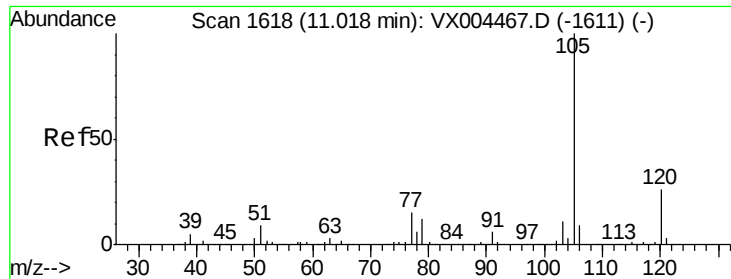
115 78.6 39.0 117.0

150 177.4 0.0 351.0



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





#73

Isopropylbenzene

Concen: 46.75 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX004577.D

Acq: 15 Sep 2018 11:33

Instrument :

MSVOA_X

ClientSampleId :

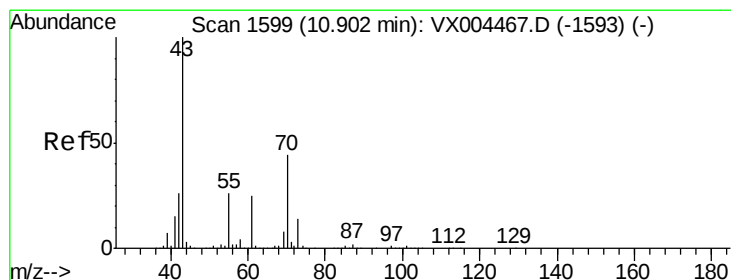
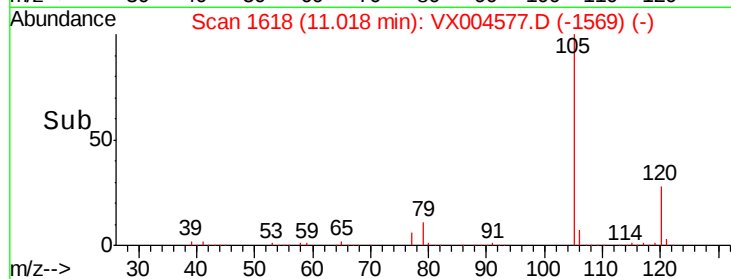
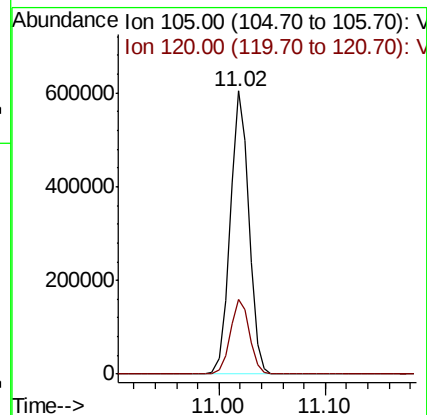
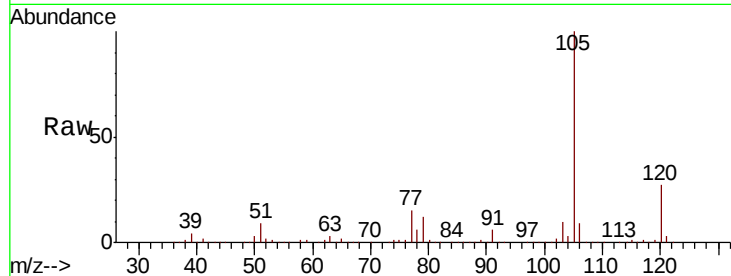
VSTDCCC050

Tot Ion:105 Resp: 740466

Ion Ratio Lower Upper

105 100

120 26.9 13.5 40.4



#74

N-ethyl acetate

Concen: 43.24 ug/l

RT: 10.90 min Scan# 1599

Delta R.T. 0.00 min

Lab File: VX004577.D

Acq: 15 Sep 2018 11:33

Tgt Ion: 43 Resp: 288278

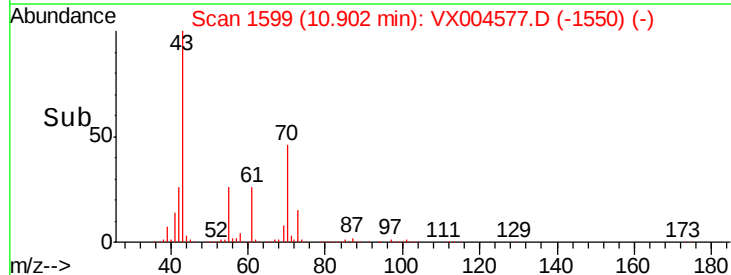
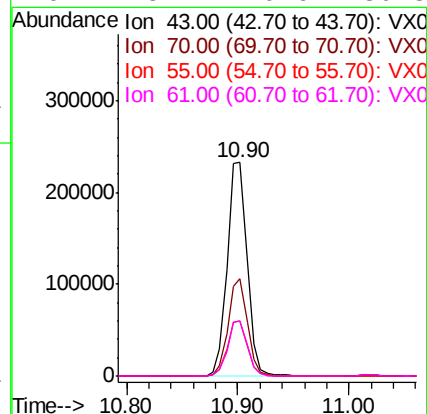
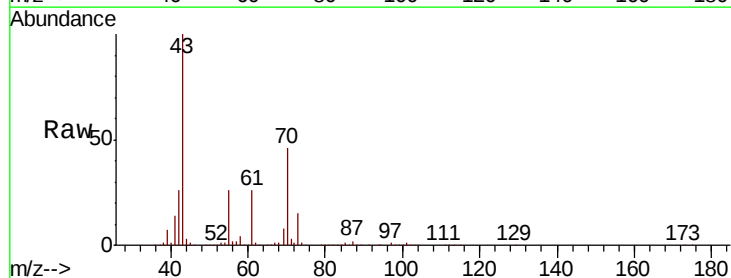
Ion Ratio Lower Upper

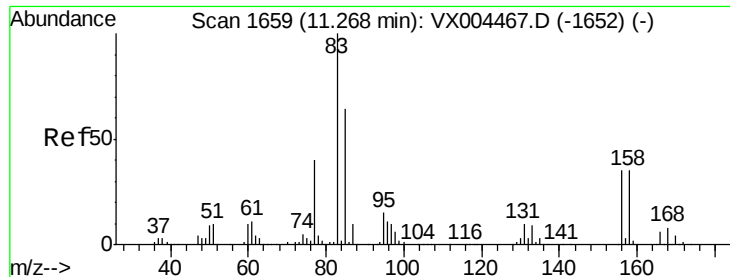
43 100

70 44.2 37.4 56.0

55 25.9 21.8 32.8

61 25.4 20.6 30.8





#75

1,1,2,2-Tetrachloroethane

Concen: 41.45 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX004577.D

Acq: 15 Sep 2018 11:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

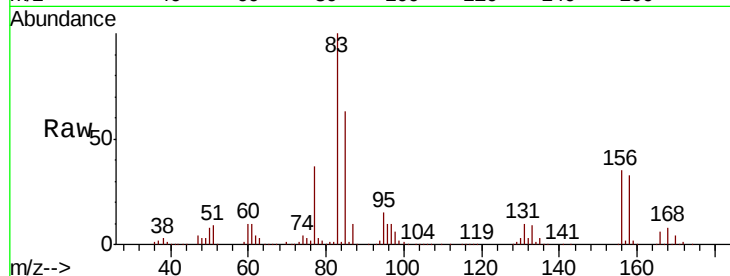
Tot Ion: 83 Resp: 211807

Ion Ratio Lower Upper

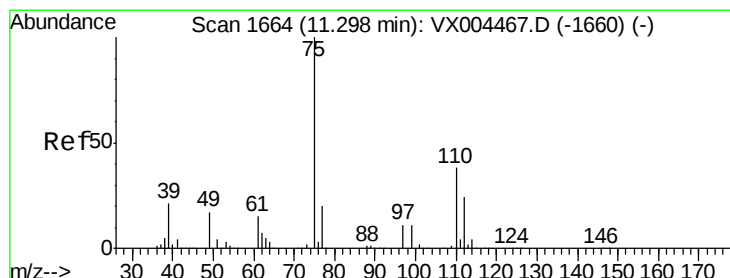
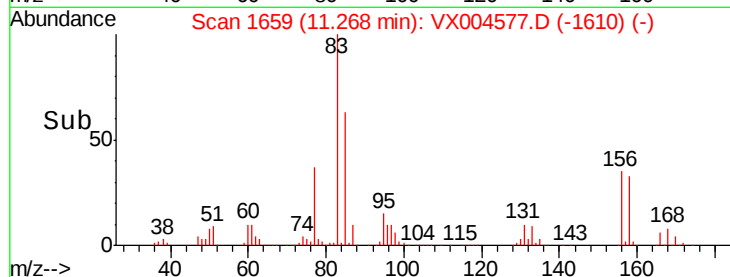
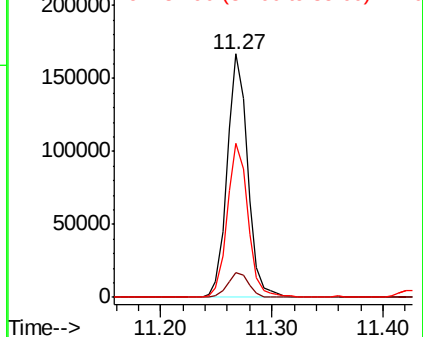
83 100

131 10.5 5.2 15.6

85 64.0 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: 53.48 ug/l

RT: 11.30 min Scan# 1664

Delta R.T. 0.00 min

Lab File: VX004577.D

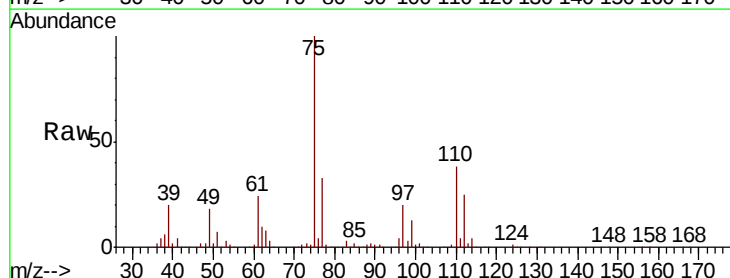
Acq: 15 Sep 2018 11:33

Tgt Ion: 75 Resp: 258800

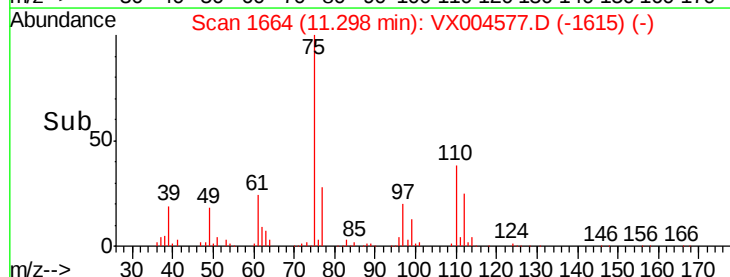
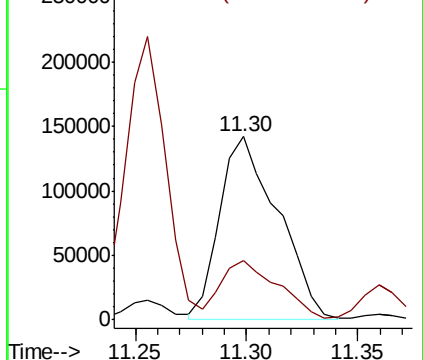
Ion Ratio Lower Upper

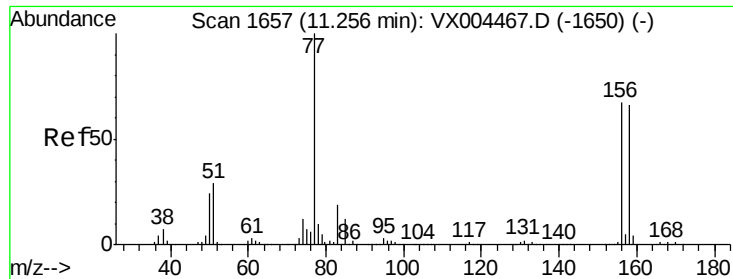
75 100

77 31.6 20.2 60.6



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





#77

Bromobenzene

Concen: 44.65 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX004577.D

Acq: 15 Sep 2018 11:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

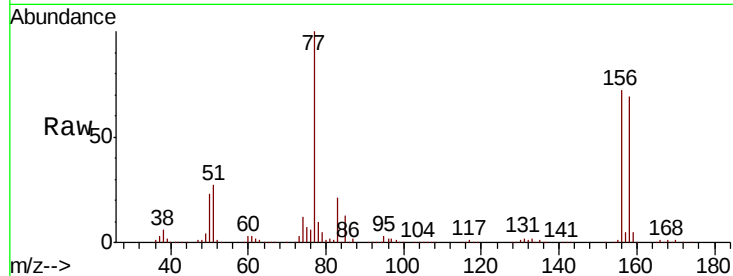
Tot Ion:156 Resp: 195505

Ion Ratio Lower Upper

156 100

77 142.4 71.5 214.3

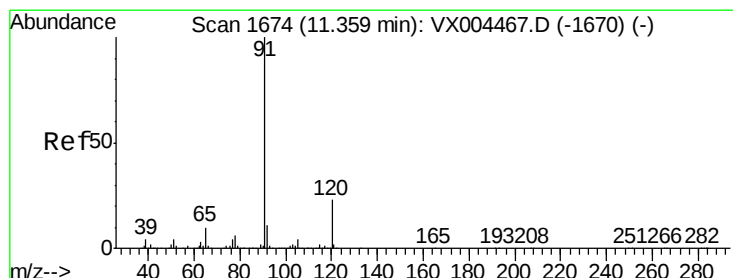
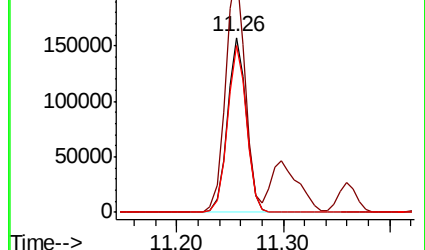
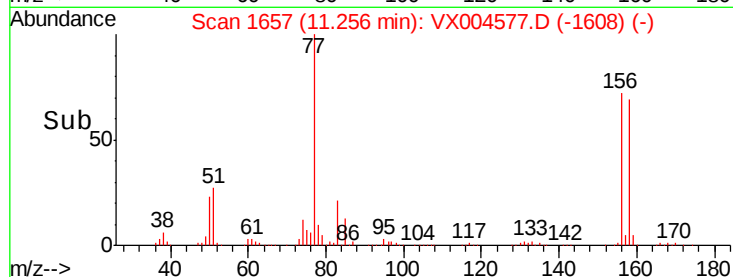
158 95.9 48.9 146.8



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: 47.32 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX004577.D

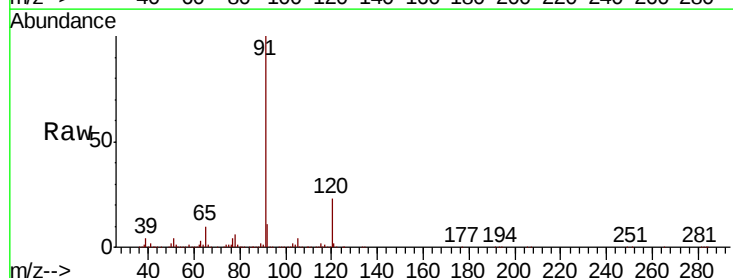
Acq: 15 Sep 2018 11:33

Tgt Ion: 91 Resp: 861854

Ion Ratio Lower Upper

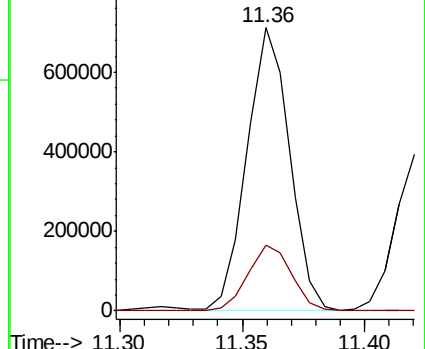
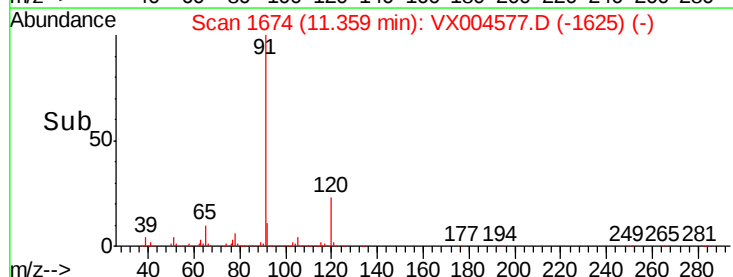
91 100

120 23.7 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

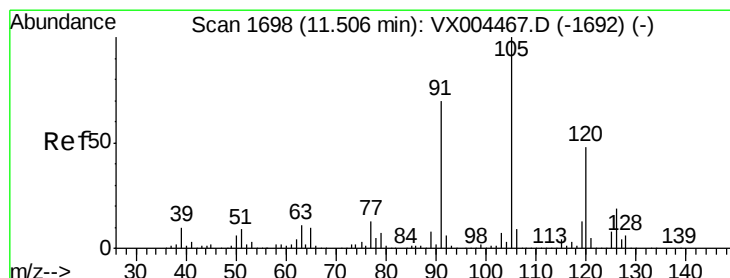
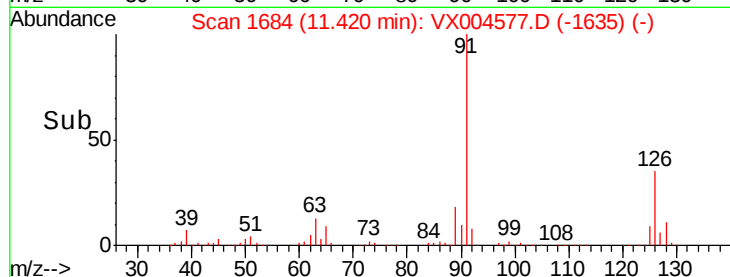
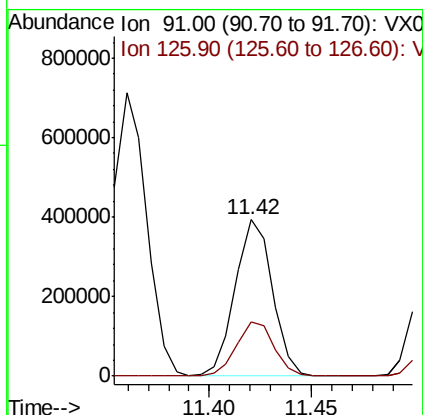
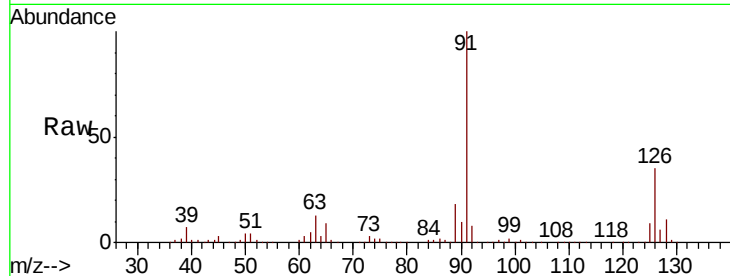




#79
 2-Chlorotoluene
 Concen: 44.85 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. 0.00 min
 Lab File: VX004577.D
 Acq: 15 Sep 2018 11:33

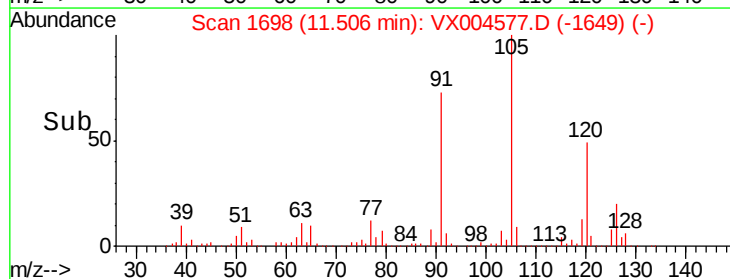
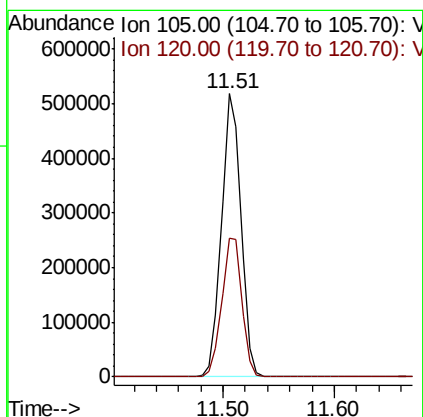
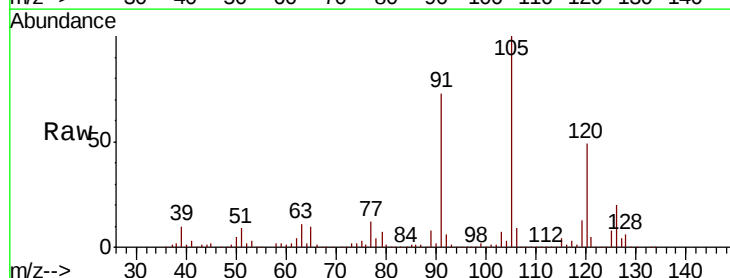
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

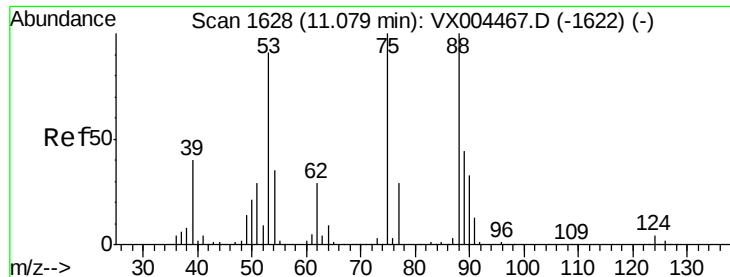
Tot Ion: 91 Resp: 495403
 Ion Ratio Lower Upper
 91 100
 126 35.6 17.9 53.7



#80
 1,3,5-Trimethylbenzene
 Concen: 46.92 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX004577.D
 Acq: 15 Sep 2018 11:33

Tgt Ion: 105 Resp: 624757
 Ion Ratio Lower Upper
 105 100
 120 51.0 25.6 76.8





#81

trans-1,4-Dichloro-2-butene

Concen: 45.39 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.01 min

Lab File: VX004577.D

Acq: 15 Sep 2018 11:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

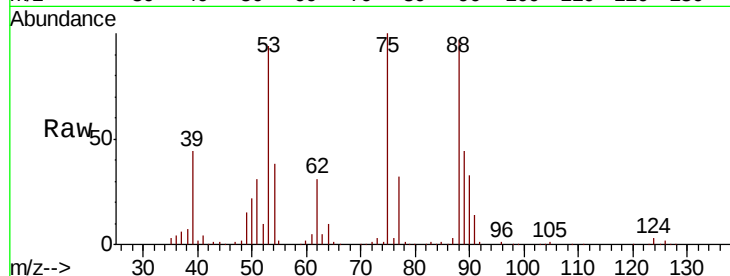
Tot Ion: 75 Resp: 68911

Ion Ratio Lower Upper

75 100

53 92.4 80.1 120.1

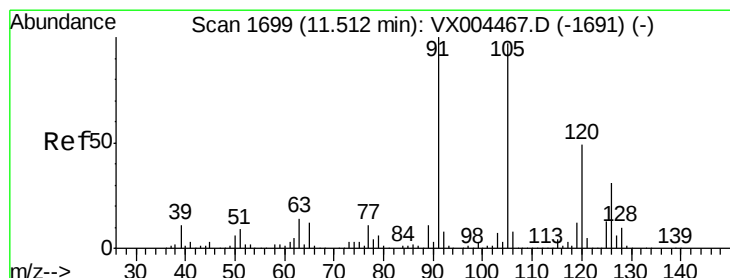
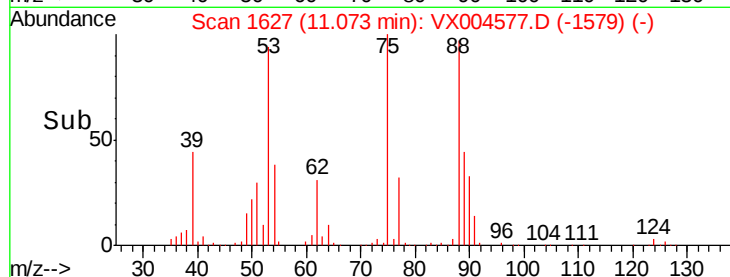
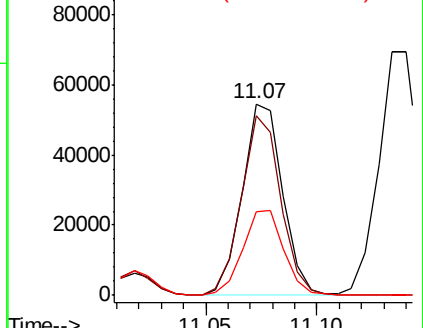
89 45.2 37.2 55.8



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 45.14 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VX004577.D

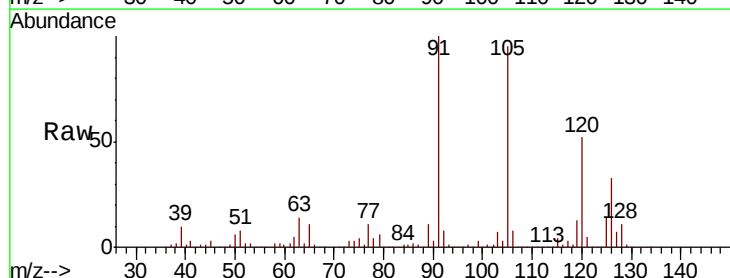
Acq: 15 Sep 2018 11:33

Tgt Ion: 91 Resp: 581919

Ion Ratio Lower Upper

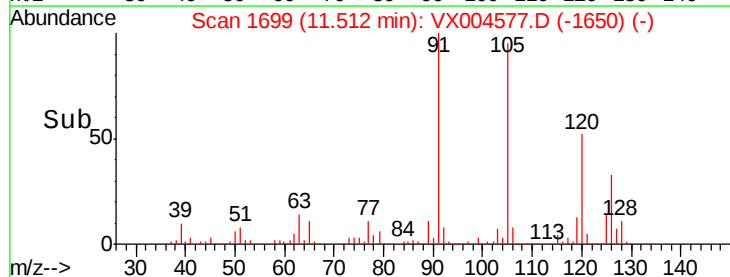
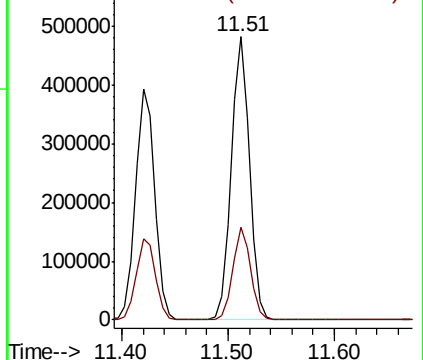
91 100

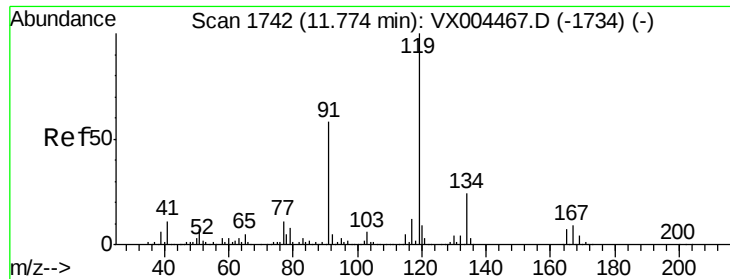
126 31.9 15.5 46.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

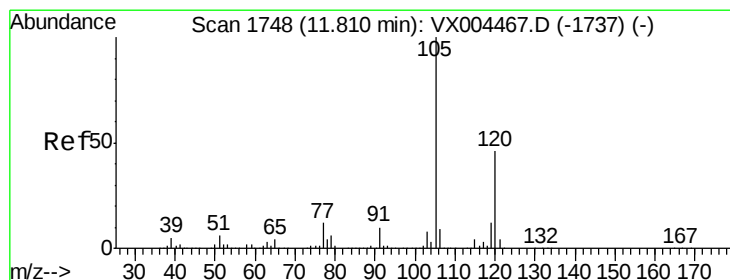
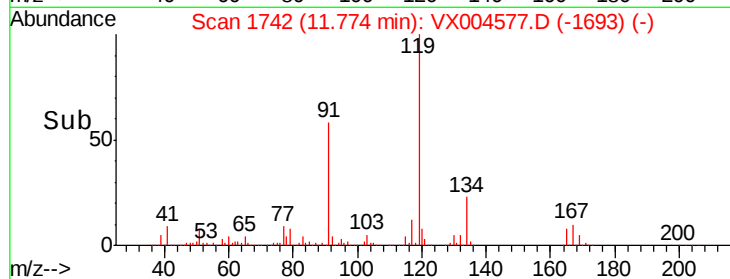
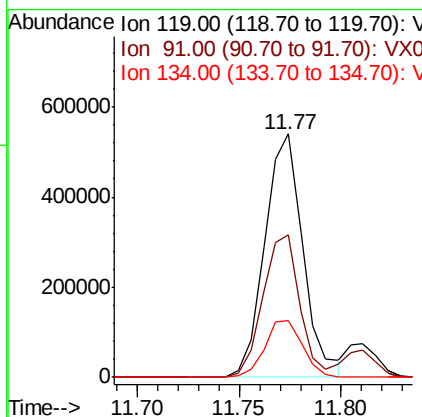
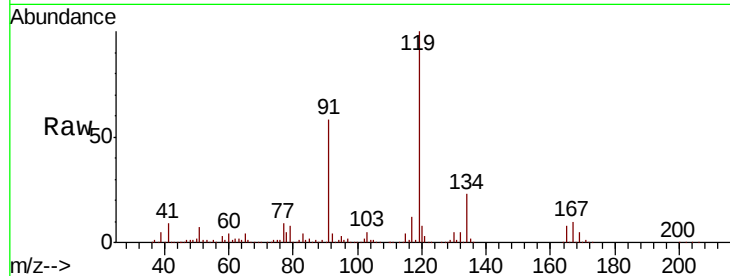




#83
tert-Butylbenzene
Concen: 55.53 ug/l
RT: 11.77 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VX004577.D
Acq: 15 Sep 2018 11:33

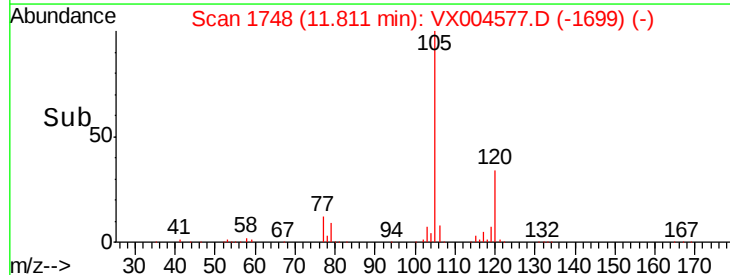
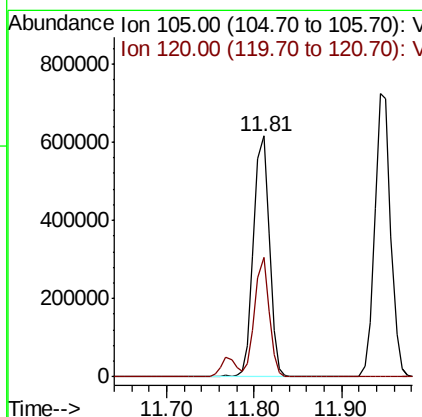
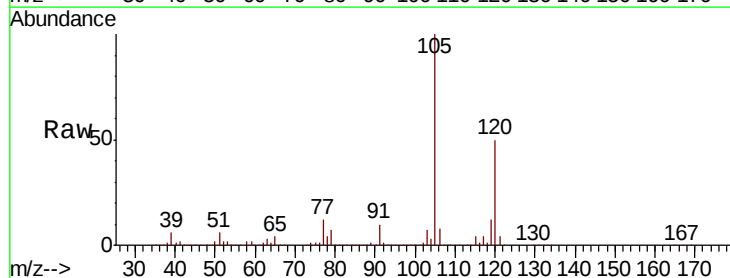
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

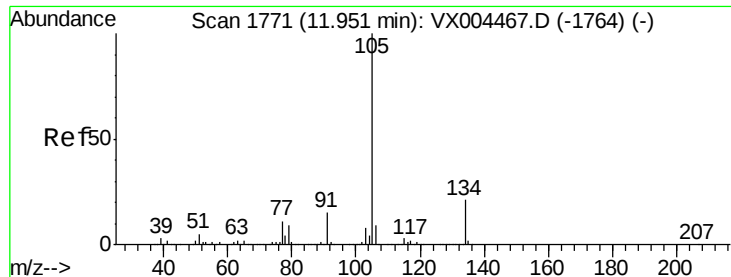
Tot Ion:119 Resp: 704007
Ion Ratio Lower Upper
119 100
91 56.3 27.0 81.0
134 23.2 11.7 35.1



#84
1,2,4-Trimethylbenzene
Concen: 56.51 ug/l
RT: 11.81 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VX004577.D
Acq: 15 Sep 2018 11:33

Tgt Ion:105 Resp: 768329
Ion Ratio Lower Upper
105 100
120 45.3 23.2 69.6





#85

sec-Butylbenzene

Concen: 57.21 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.01 min

Lab File: VX004577.D

Acq: 15 Sep 2018 11:33

Instrument :

MSVOA_X

ClientSampleId :

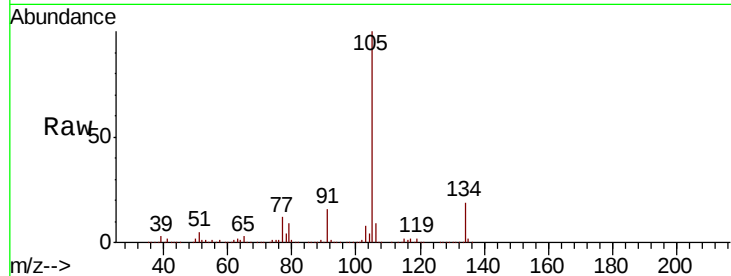
VSTDCCC050

Tot Ion:105 Resp: 924280

Ion Ratio Lower Upper

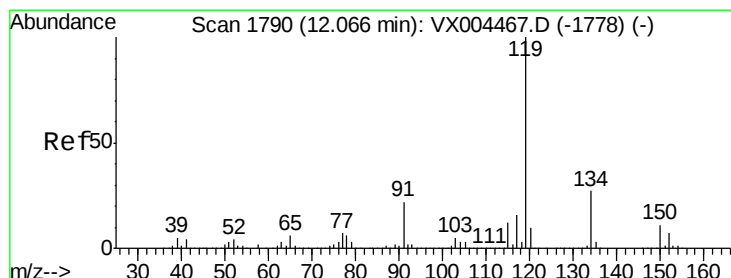
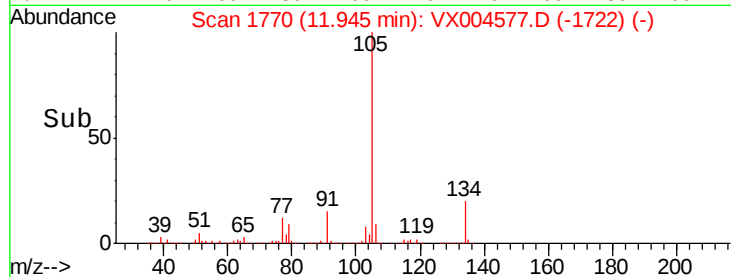
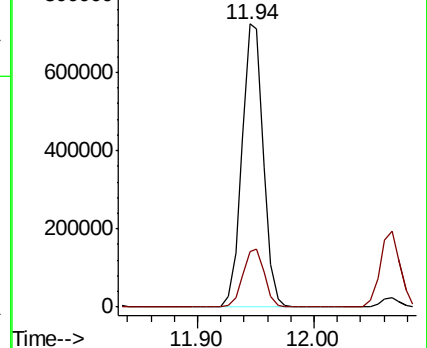
105 100

134 20.5 10.5 31.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 61.03 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. 0.00 min

Lab File: VX004577.D

Acq: 15 Sep 2018 11:33

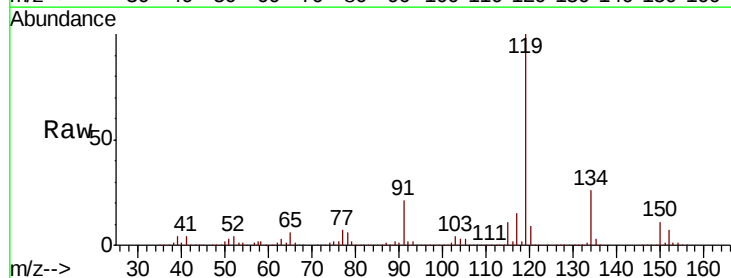
Tgt Ion:119 Resp: 870688

Ion Ratio Lower Upper

119 100

134 26.6 13.4 40.2

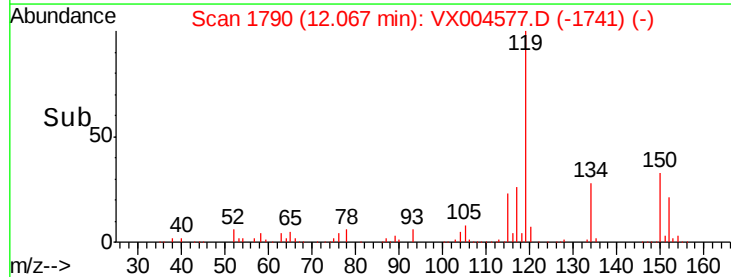
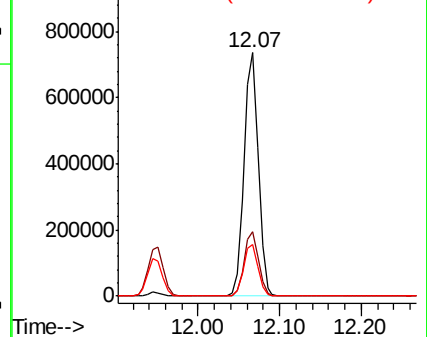
91 21.5 10.9 32.7

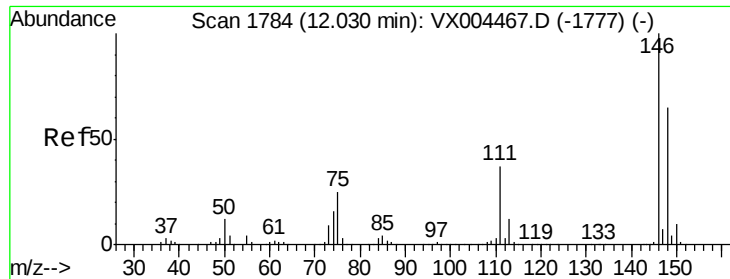


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

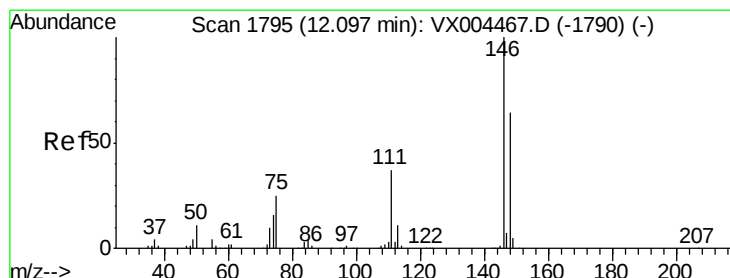
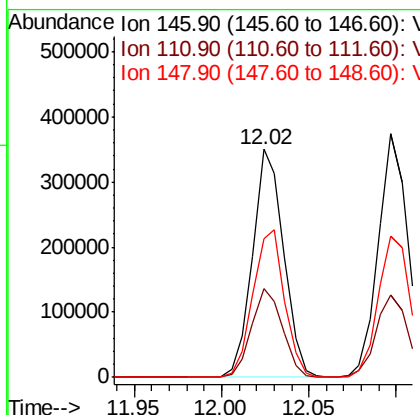
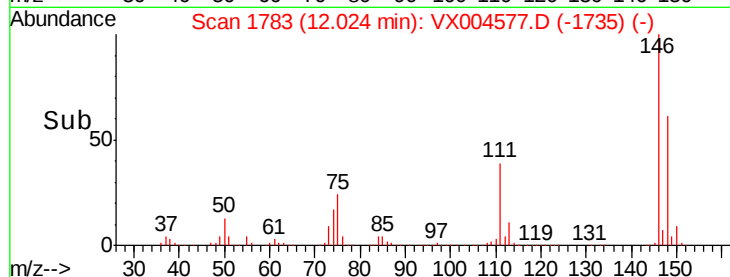
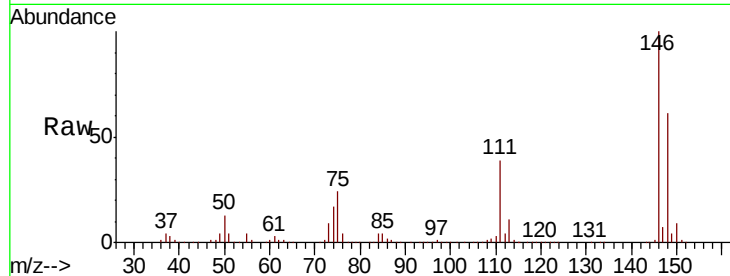




#87
 1,3-Dichlorobenzene
 Concen: 53.01 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.01 min
 Lab File: VX004577.D
 Acq: 15 Sep 2018 11:33

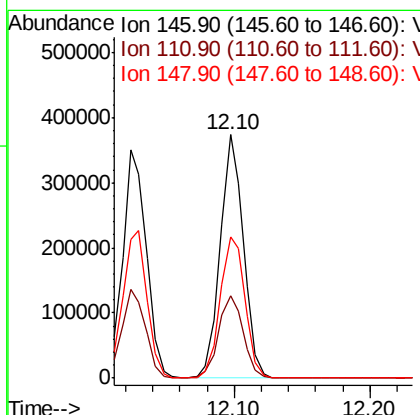
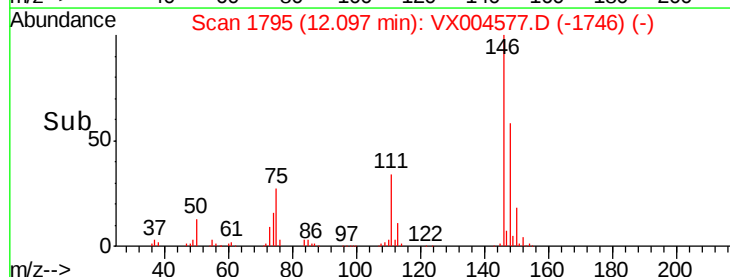
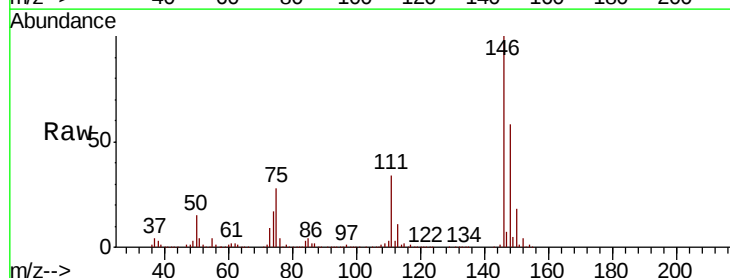
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

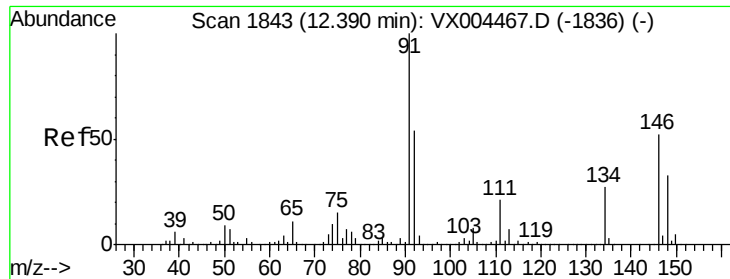
Tot Ion:146 Resp: 433055
 Ion Ratio Lower Upper
 146 100
 111 38.9 18.7 56.1
 148 65.6 32.1 96.5



#88
 1,4-Dichlorobenzene
 Concen: 52.17 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX004577.D
 Acq: 15 Sep 2018 11:33

Tgt Ion:146 Resp: 440377
 Ion Ratio Lower Upper
 146 100
 111 36.0 18.1 54.1
 148 62.2 32.0 96.0

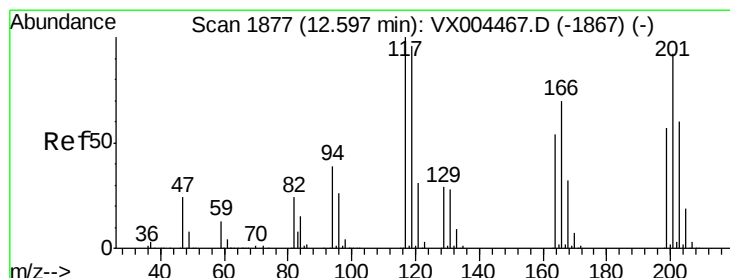
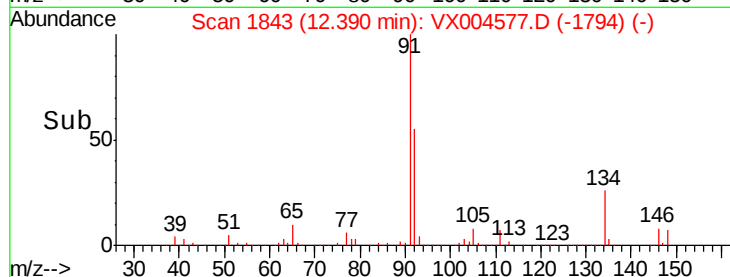
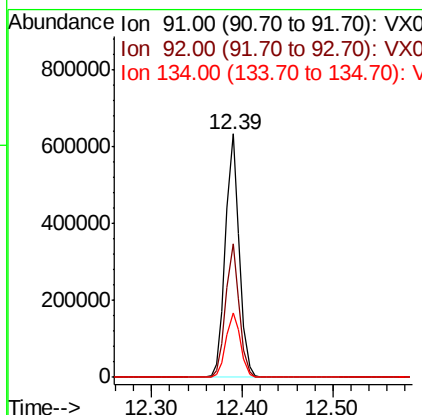
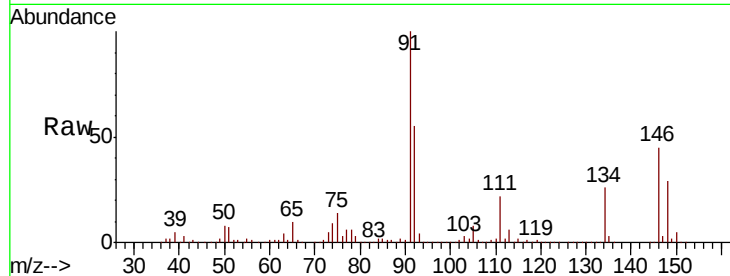




#89
n-Butylbenzene
Concen: 51.33 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX004577.D
Acq: 15 Sep 2018 11:33

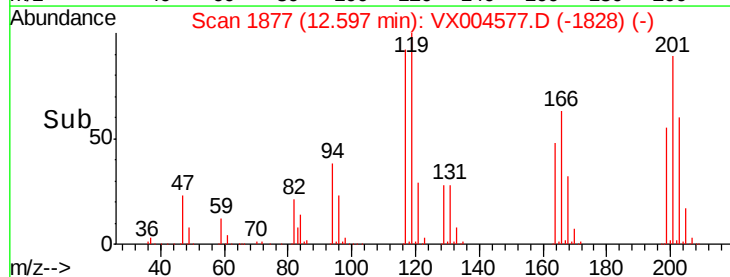
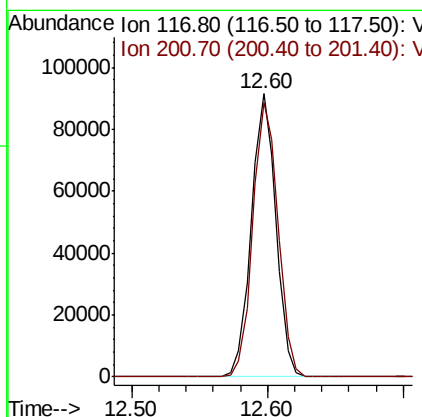
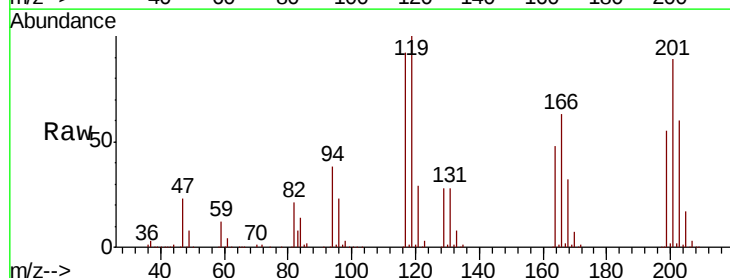
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

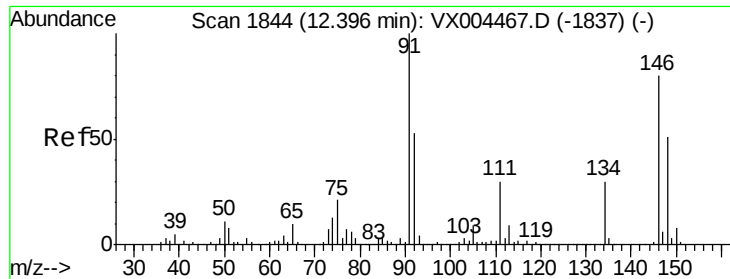
Tot Ion: 91 Resp: 667333
Ion Ratio Lower Upper
91 100
92 53.9 27.3 81.9
134 27.8 13.6 40.7



#90
Hexachloroethane
Concen: 50.68 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX004577.D
Acq: 15 Sep 2018 11:33

Tgt Ion: 117 Resp: 115751
Ion Ratio Lower Upper
117 100
201 99.7 46.9 140.6





#91

1,2-Dichlorobenzene

Concen: 46.04 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.01 min

Lab File: VX004577.D

Acq: 15 Sep 2018 11:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

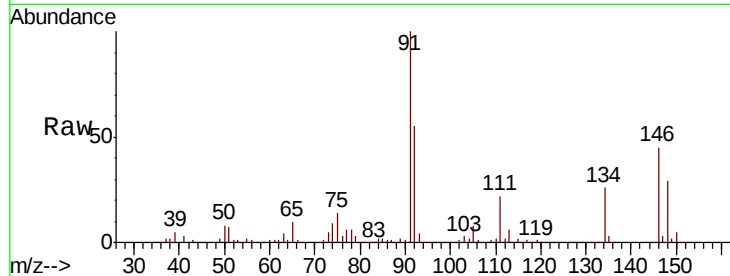
Tot Ion:146 Resp: 380683

Ion Ratio Lower Upper

146 100

111 41.1 19.4 58.1

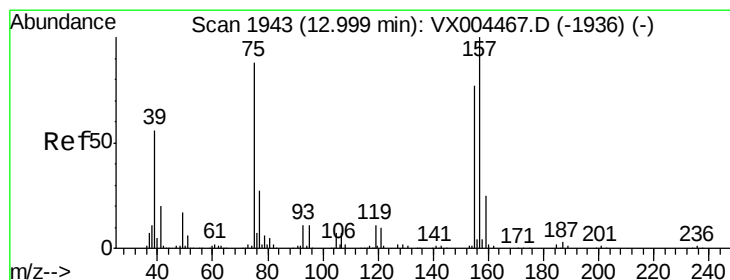
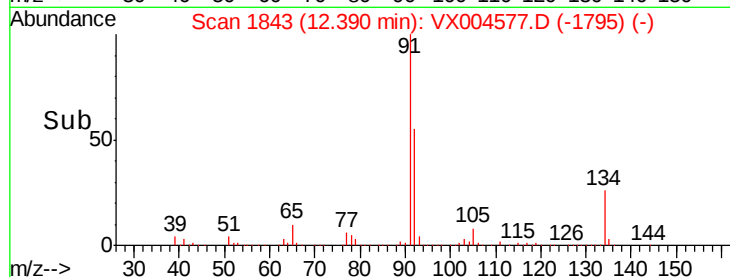
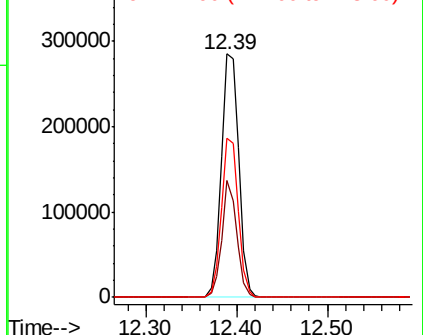
148 63.1 32.8 98.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 48.84 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VX004577.D

Acq: 15 Sep 2018 11:33

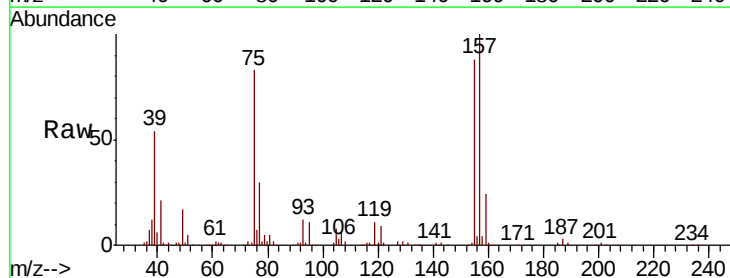
Tgt Ion: 75 Resp: 53278

Ion Ratio Lower Upper

75 100

155 106.3 48.0 144.2

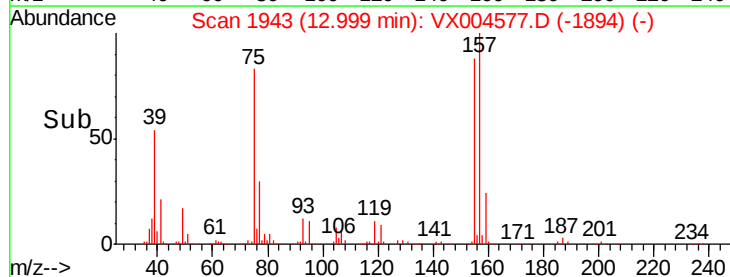
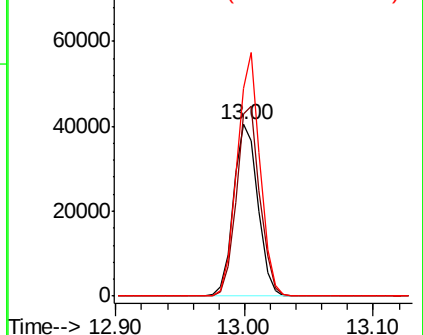
157 132.4 61.4 184.1

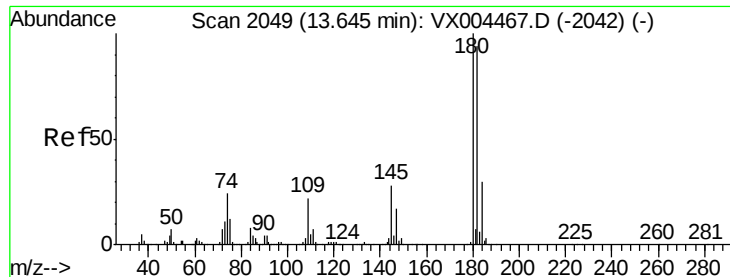


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

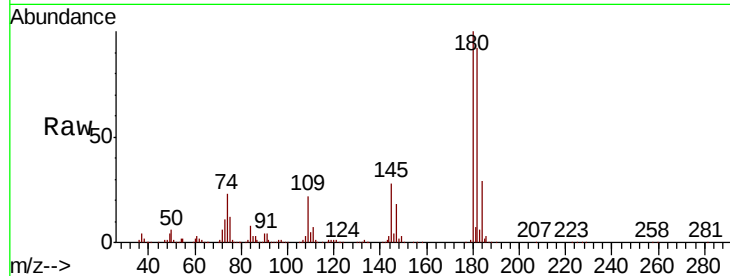




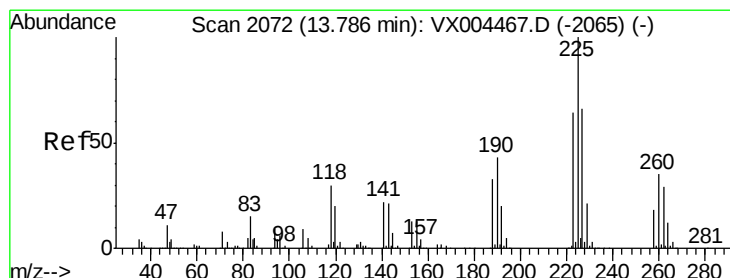
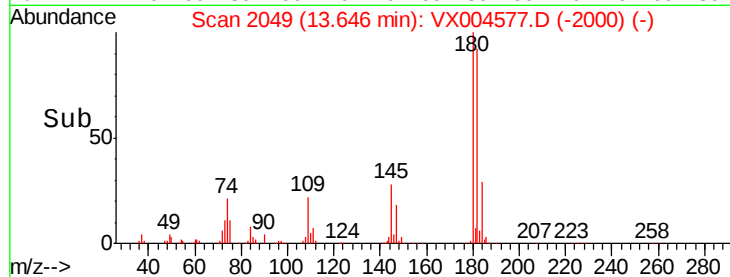
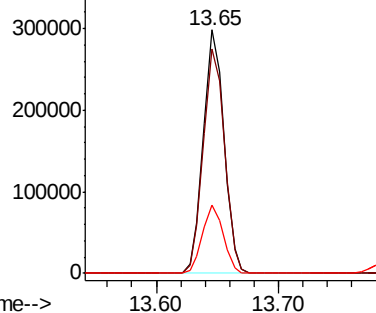
#93
 1,2,4-Trichlorobenzene
 Concen: 59.25 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX004577.D
 Acq: 15 Sep 2018 11:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:180 Resp: 346844
 Ion Ratio Lower Upper
 180 100
 182 94.9 48.4 145.0
 145 28.3 14.3 42.9

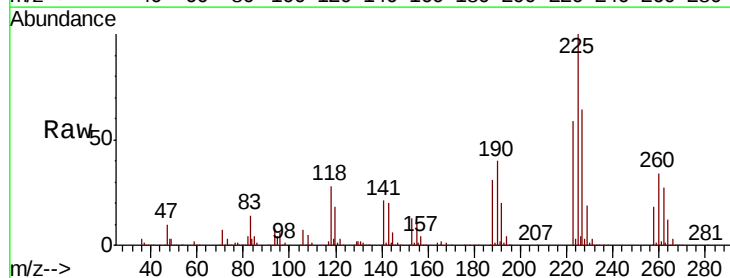


Abundance Ion 179.80 (179.50 to 180.50): V
 400000 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

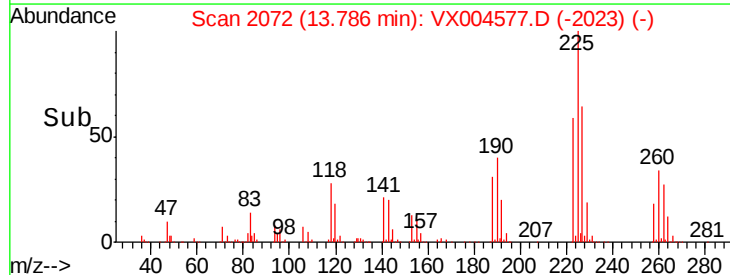
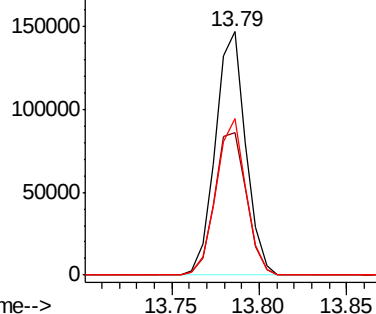


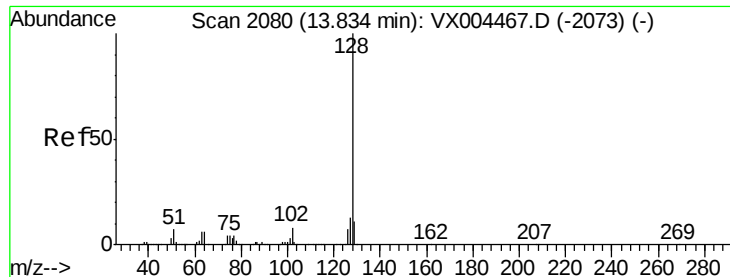
#94
 Hexachlorobutadiene
 Concen: 57.73 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. 0.00 min
 Lab File: VX004577.D
 Acq: 15 Sep 2018 11:33

Tgt Ion:225 Resp: 176539
 Ion Ratio Lower Upper
 225 100
 223 61.6 30.1 90.5
 227 63.3 30.8 92.4



Abundance Ion 224.70 (224.40 to 225.40): V
 200000 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 55.74 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX004577.D

Acq: 15 Sep 2018 11:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

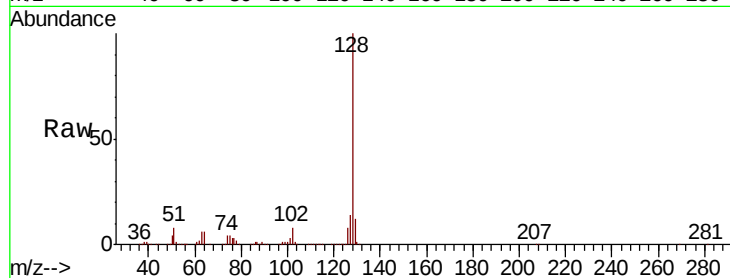
Tot Ion:128 Resp: 915318

Ion Ratio Lower Upper

128 100

127 12.8 10.2 15.2

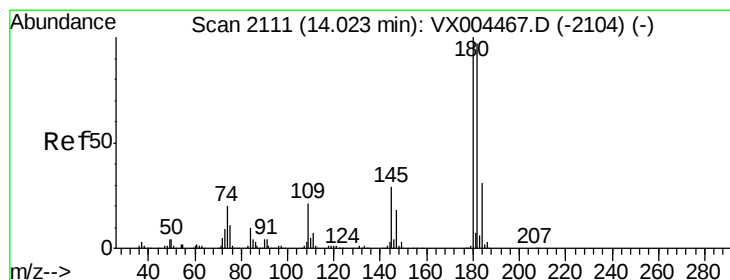
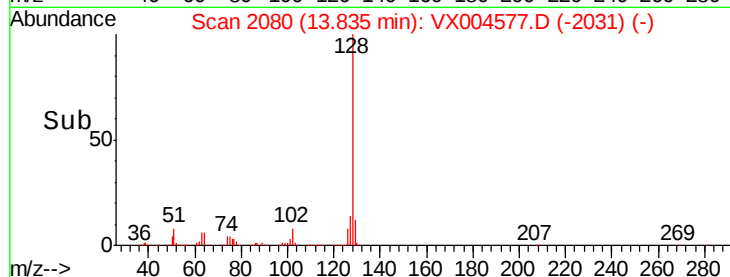
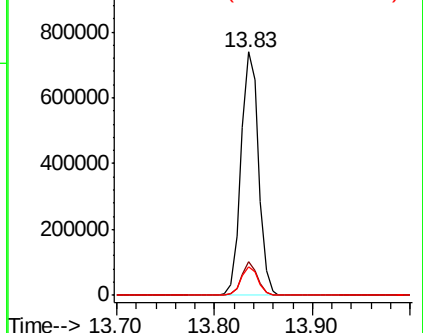
129 11.4 8.6 12.8



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: 55.76 ug/l

RT: 14.02 min Scan# 2111

Delta R.T. 0.00 min

Lab File: VX004577.D

Acq: 15 Sep 2018 11:33

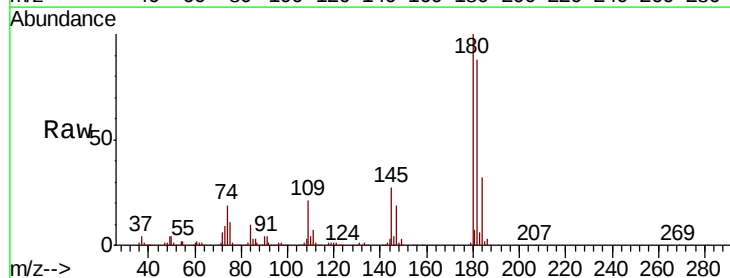
Tgt Ion:180 Resp: 335367

Ion Ratio Lower Upper

180 100

182 94.6 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

