

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051419\
 Data File : VX009567.D
 Acq On : 14 May 2019 17:31
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Quant Time: May 15 01:55:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	156987	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	249785	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	227848	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	115572	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	96435	45.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.00%	
35) Dibromofluoromethane	5.50	113	72199	45.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.96%	
50) Toluene-d8	8.71	98	285387	45.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.04%	
62) 4-Bromofluorobenzene	11.13	95	106799	46.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	62854	43.448	ug/l	98
3) Chloromethane	1.32	50	95663	48.435	ug/l	100
4) Vinyl Chloride	1.41	62	95585	49.630	ug/l	97
5) Bromomethane	1.64	94	58478	50.588	ug/l	99
6) Chloroethane	1.71	64	61537	49.766	ug/l	100
7) Trichlorofluoromethane	1.92	101	119857	51.197	ug/l	98
8) Diethyl Ether	2.19	74	55497	50.046	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.38	101	74743	50.841	ug/l	98
10) Methyl Iodide	2.51	142	92084	53.550	ug/l	100
11) Tert butyl alcohol	3.05	59	125443	252.876	ug/l	100
12) 1,1-Dichloroethene	2.37	96	74772	50.762	ug/l	94
13) Acrolein	2.29	56	106085	236.136	ug/l	100
14) Allyl chloride	2.73	41	179253	49.936	ug/l	100
15) Acrylonitrile	3.14	53	304759	251.261	ug/l	100
16) Acetone	2.45	43	283010	245.938	ug/l	99
17) Carbon Disulfide	2.57	76	204683	49.494	ug/l	100
18) Methyl Acetate	2.78	43	133002	48.600	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	292630	51.159	ug/l	99
20) Methylene Chloride	2.85	84	90563	48.606	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	81851	51.238	ug/l	96
22) Diisopropyl ether	3.85	45	355371	51.478	ug/l	99
23) Vinyl Acetate	3.81	43	1586094	268.309	ug/l	99
24) 1,1-Dichloroethane	3.70	63	172598	50.682	ug/l	100
25) 2-Butanone	4.67	43	456989	255.556	ug/l	99
26) 2,2-Dichloropropane	4.58	77	127922	50.465	ug/l	100
27) cis-1,2-Dichloroethene	4.59	96	97176	50.964	ug/l	99
28) Bromochloromethane	5.01	49	64901	47.188	ug/l	99
29) Tetrahydrofuran	5.13	42	297868	258.856	ug/l	100
30) Chloroform	5.21	83	157702	51.201	ug/l	100
31) Cyclohexane	5.58	56	163433	51.582	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	131062	51.116	ug/l	99
36) 1,1-Dichloropropene	5.80	75	120511	51.916	ug/l	100
37) Ethyl Acetate	4.83	43	169138	52.296	ug/l	99
38) Carbon Tetrachloride	5.78	117	108832	51.603	ug/l	98

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 ClientSampleId :
 VSTDCCC050EC

Quant Time: May 15 01:55:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	148423	52.064	ug/l	99
40) Benzene	6.14	78	370649	51.594	ug/l	98
41) Methacrylonitrile	5.04	41	98127	50.969	ug/l	100
42) 1,2-Dichloroethane	6.19	62	134546	52.210	ug/l	99
43) Isopropyl Acetate	6.45	43	269552	52.104	ug/l	99
44) Trichloroethene	7.21	130	88378	50.887	ug/l	99
45) 1,2-Dichloropropane	7.51	63	105252	51.741	ug/l	99
46) Dibromomethane	7.66	93	60326	51.068	ug/l	98
47) Bromodichloromethane	7.90	83	123151	52.263	ug/l	98
48) Methyl methacrylate	7.77	41	136522	53.191	ug/l	99
49) 1,4-Dioxane	7.74	88	52012	999.257	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	894123	264.424	ug/l	100
52) Toluene	8.78	92	227734	52.149	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	143387	53.898	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	157748	53.572	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	91245	51.215	ug/l	95
56) Ethyl methacrylate	9.18	69	168802	53.078	ug/l	100
57) 1,3-Dichloropropane	9.37	76	162410	51.803	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	392668	232.746	ug/l	100
59) 2-Hexanone	9.49	43	700594	263.807	ug/l	99
60) Dibromochloromethane	9.58	129	93520	53.745	ug/l	99
61) 1,2-Dibromoethane	9.67	107	94283	52.426	ug/l	99
64) Tetrachloroethene	9.34	164	80142	51.277	ug/l	99
65) Chlorobenzene	10.13	112	235851	51.745	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	87071	52.692	ug/l	99
67) Ethyl Benzene	10.25	91	437380	52.141	ug/l	99
68) m/p-Xylenes	10.36	106	321983	105.038	ug/l	98
69) o-Xylene	10.69	106	157304	52.010	ug/l	99
70) Styrene	10.71	104	277865	52.859	ug/l	100
71) Bromoform	10.85	173	70312	52.359	ug/l	98
73) Isopropylbenzene	11.02	105	420378	50.020	ug/l	99
74) N-amyl acetate	10.90	43	249493	50.919	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	155846	49.744	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	186613	69.610	ug/l	81
77) Bromobenzene	11.26	156	105513	50.582	ug/l	98
78) n-propylbenzene	11.36	91	489877	51.039	ug/l	100
79) 2-Chlorotoluene	11.42	91	290583	49.072	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	358609	50.677	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	54148	51.680	ug/l	99
82) 4-Chlorotoluene	11.51	91	337387	50.434	ug/l	99
83) tert-Butylbenzene	11.77	119	348590	50.639	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	361363	50.875	ug/l	100
85) sec-Butylbenzene	11.94	105	413816	50.704	ug/l	99
86) p-Isopropyltoluene	12.06	119	379029	51.660	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	188382	50.659	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	188415	50.257	ug/l	100
89) n-Butylbenzene	12.38	91	346326	52.225	ug/l	100
90) Hexachloroethane	12.60	117	61844	49.476	ug/l	95
91) 1,2-Dichlorobenzene	12.39	146	190320	50.248	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	34842	49.575	ug/l	99

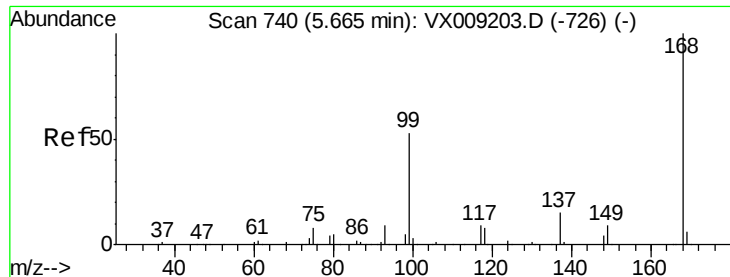
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051419\
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ClientSampleId :
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Quant Time: May 15 01:55:21 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260
QLast Update : Thu May 09 07:31:15 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	134127	51.785	ug/l	98
94) Hexachlorobutadiene	13.78	225	68102	51.489	ug/l	98
95) Naphthalene	13.83	128	424965	50.431	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	133759	50.947	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX009567.D

Acq: 14 May 2019 17:31

Instrument :

MSVOA_X

ClientSampleId :

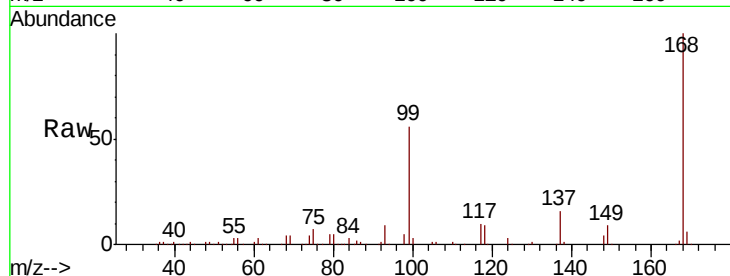
VSTDCCC050EC

Tot Ion:168 Resp: 156987

Ion Ratio Lower Upper

168 100

99 55.8 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

60000

50000

40000

30000

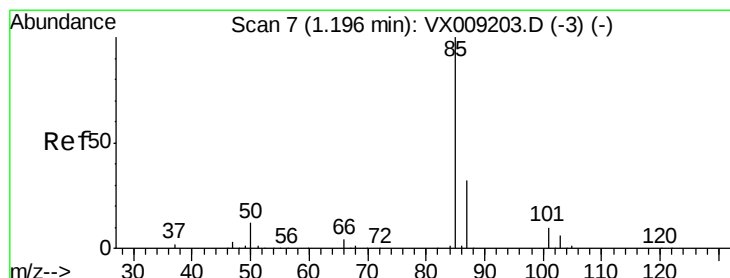
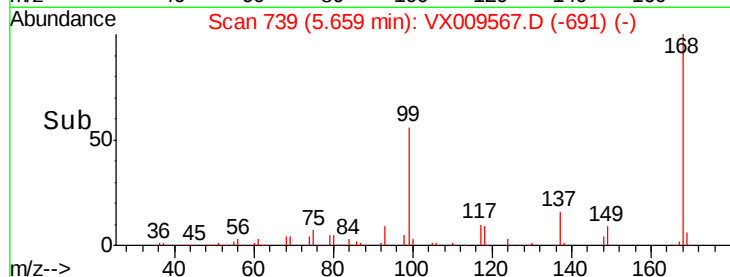
20000

10000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 43.448 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX009567.D

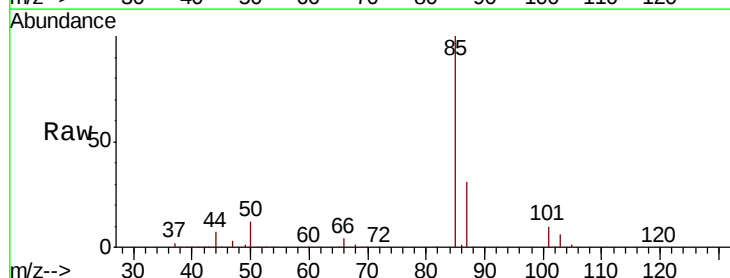
Acq: 14 May 2019 17:31

Tgt Ion: 85 Resp: 62854

Ion Ratio Lower Upper

85 100

87 30.9 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

60000

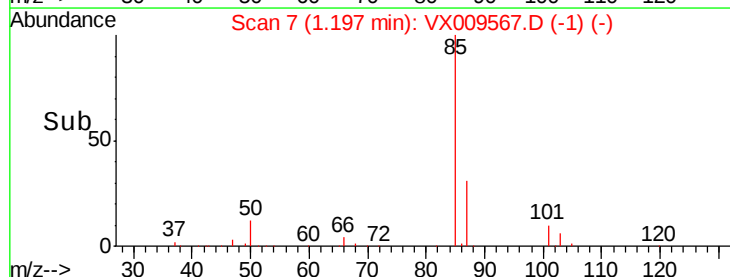
40000

20000

0

Time-->

1.15 1.20 1.25 1.30

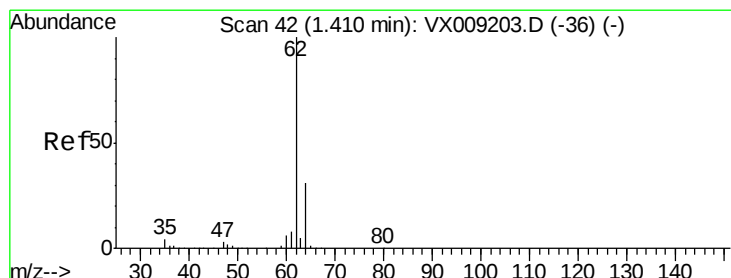
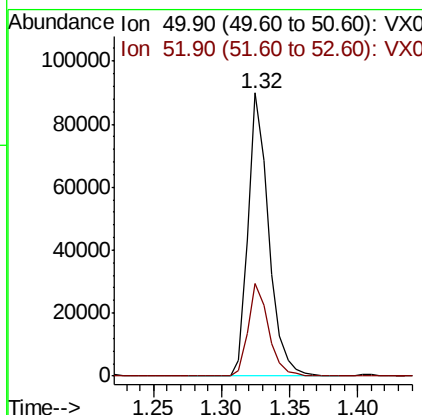
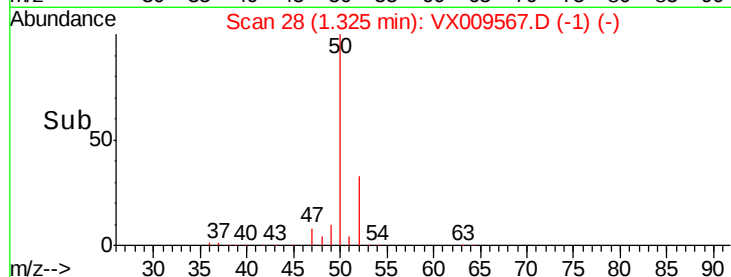
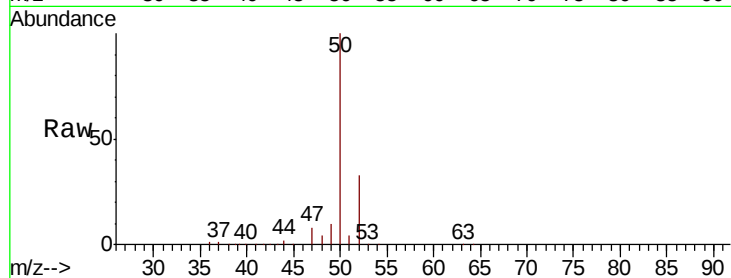




#3
Chloromethane
Concen: 48.435 ug/l
RT: 1.32 min Scan# 28
Delta R.T. 0.00 min
Lab File: VX009567.D
Acq: 14 May 2019 17:31

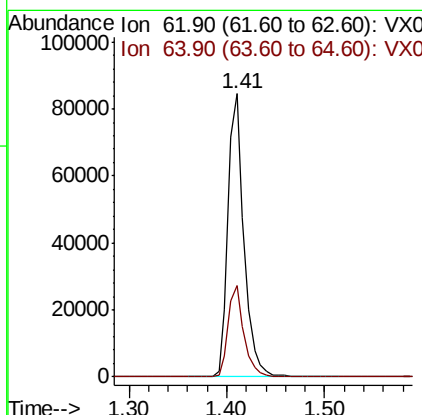
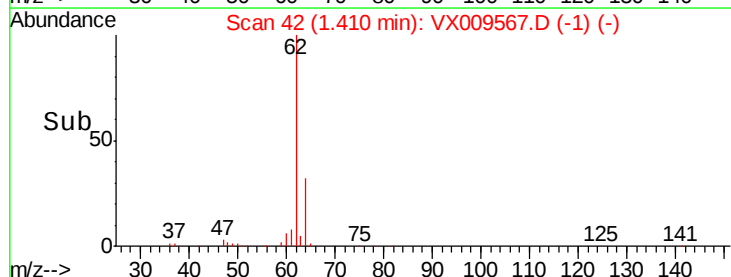
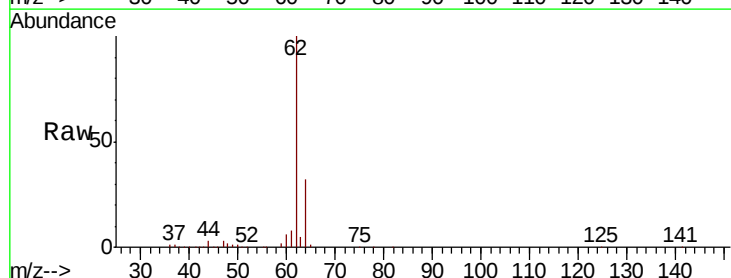
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

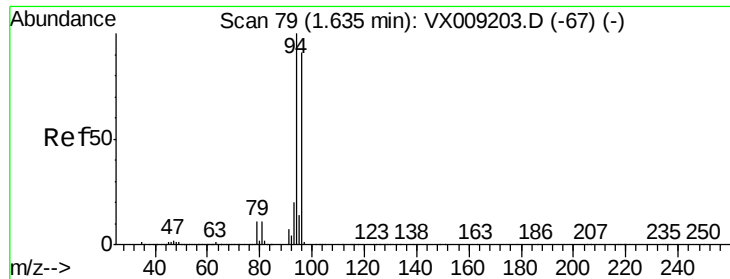
Tot Ion: 50 Resp: 95663
Ion Ratio Lower Upper
50 100
52 32.5 25.9 38.9



#4
Vinyl Chloride
Concen: 49.630 ug/l
RT: 1.41 min Scan# 42
Delta R.T. 0.00 min
Lab File: VX009567.D
Acq: 14 May 2019 17:31

Tgt Ion: 62 Resp: 95585
Ion Ratio Lower Upper
62 100
64 32.2 24.6 36.8





#5

Bromomethane

Concen: 50.588 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX009567.D

Acq: 14 May 2019 17:31

Instrument :

MSVOA_X

ClientSampleId :

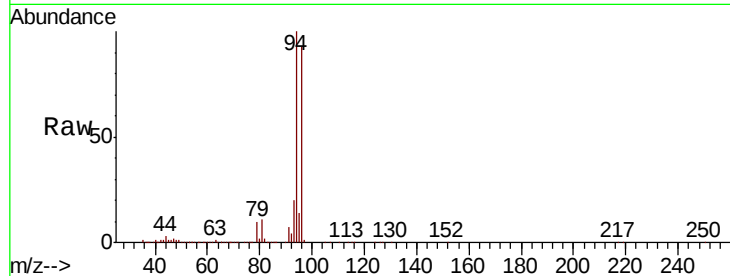
VSTDCCC050EC

Tot Ion: 94 Resp: 58478

Ion Ratio Lower Upper

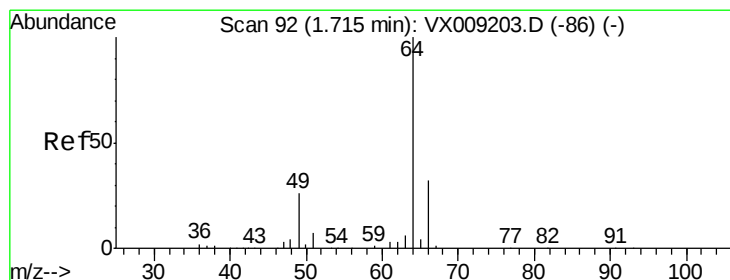
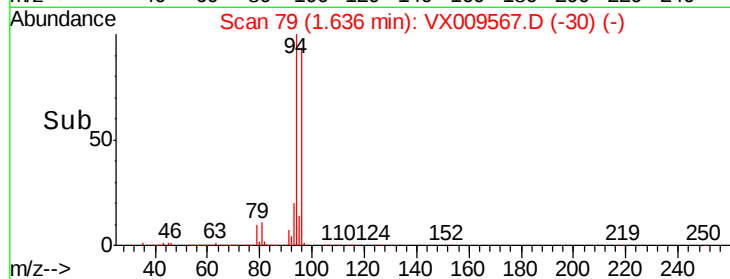
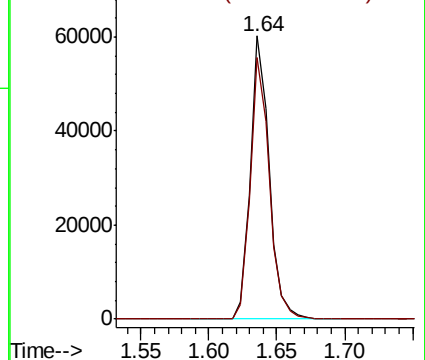
94 100

96 92.6 73.0 109.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 49.766 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX009567.D

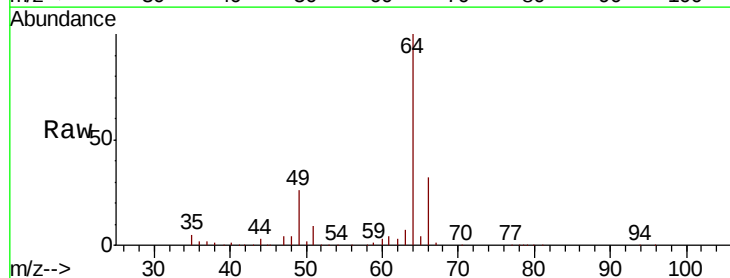
Acq: 14 May 2019 17:31

Tgt Ion: 64 Resp: 61537

Ion Ratio Lower Upper

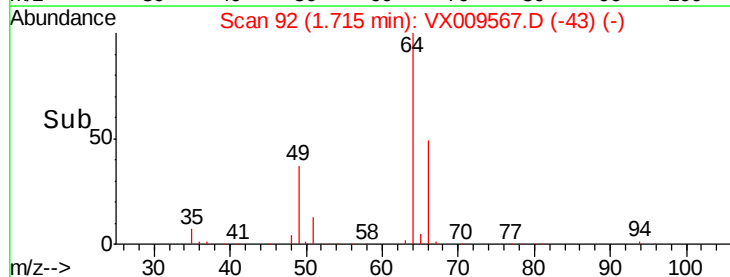
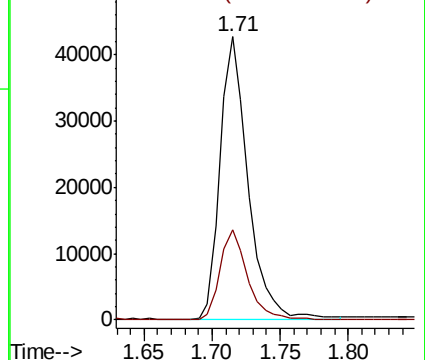
64 100

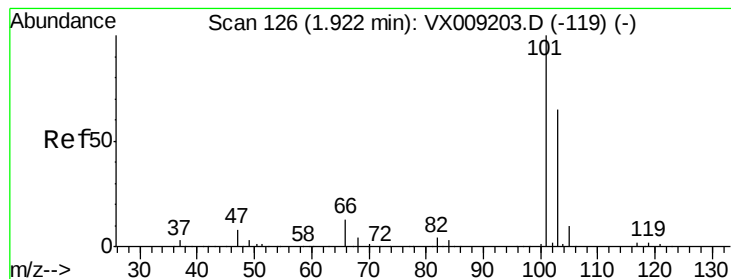
66 31.7 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



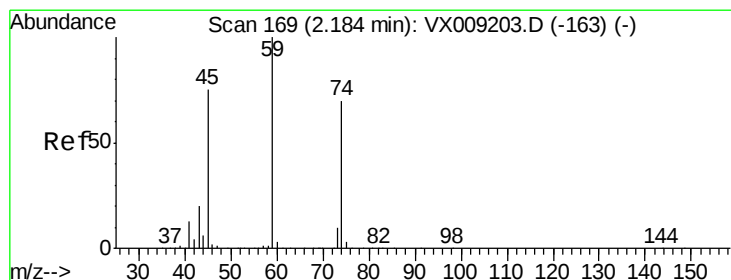
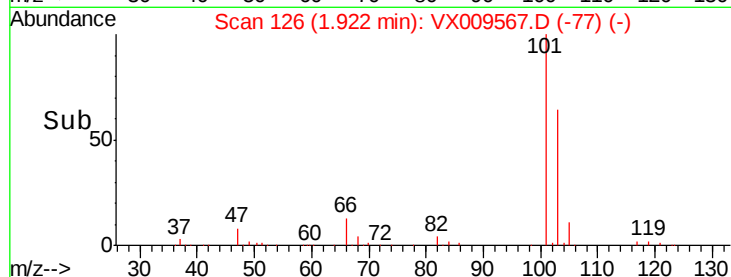
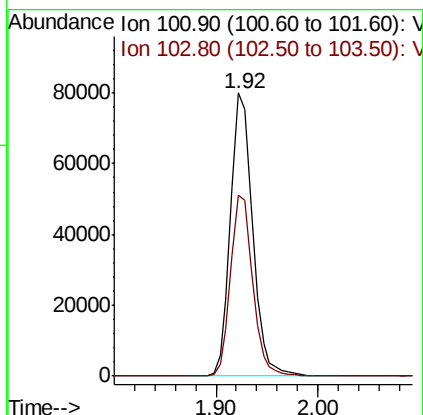
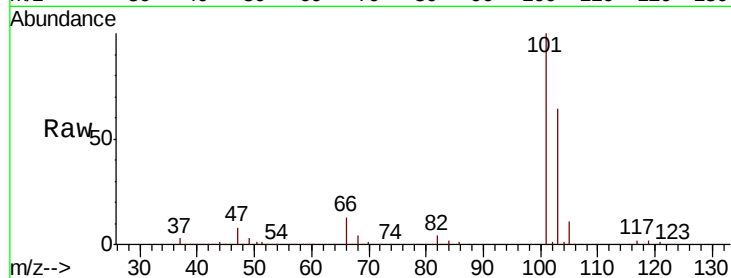


#7

Trichlorofluoromethane
 Concen: 51.197 ug/l
 RT: 1.92 min Scan# 126
 Delta R.T. 0.00 min
 Lab File: VX009567.D
 Acq: 14 May 2019 17:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

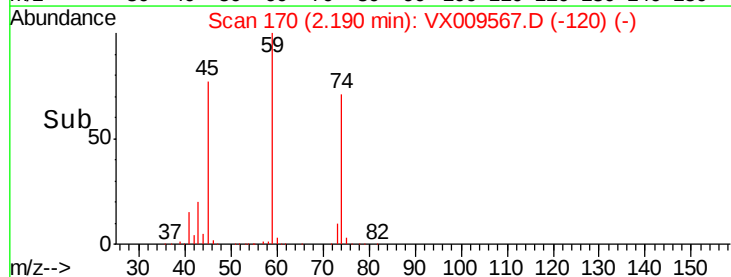
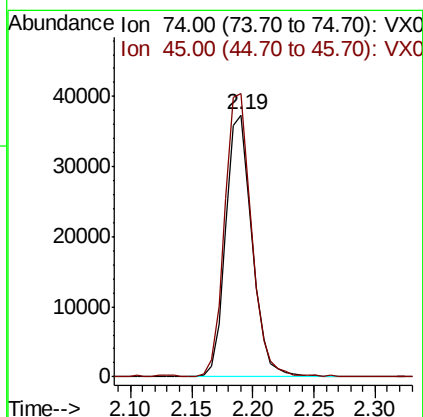
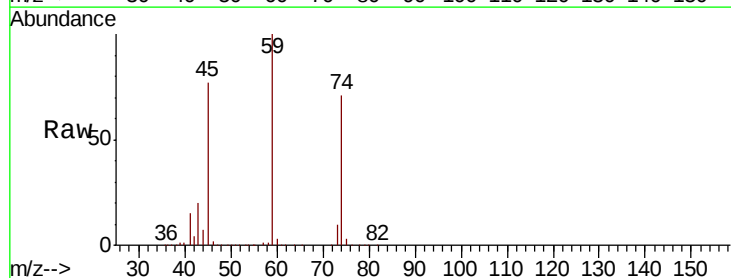
Tot Ion:101 Resp: 119857
 Ion Ratio Lower Upper
 101 100
 103 63.9 52.4 78.6



#8

Diethyl Ether
 Concen: 50.046 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. 0.01 min
 Lab File: VX009567.D
 Acq: 14 May 2019 17:31

Tgt Ion: 74 Resp: 55497
 Ion Ratio Lower Upper
 74 100
 45 109.7 53.3 159.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.841 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX009567.D

Acq: 14 May 2019 17:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

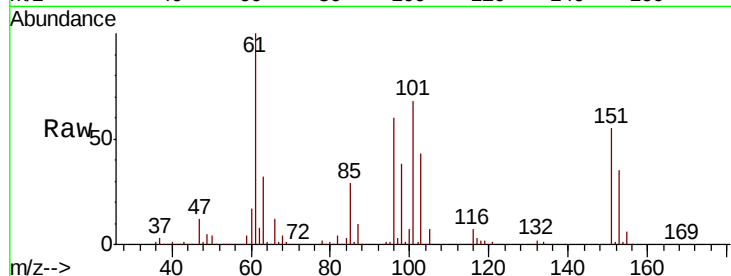
Tot Ion:101 Resp: 74743

Ion Ratio Lower Upper

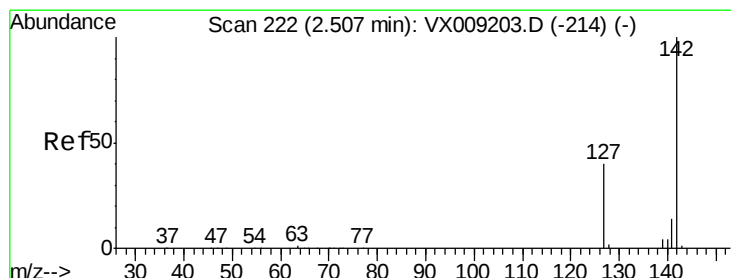
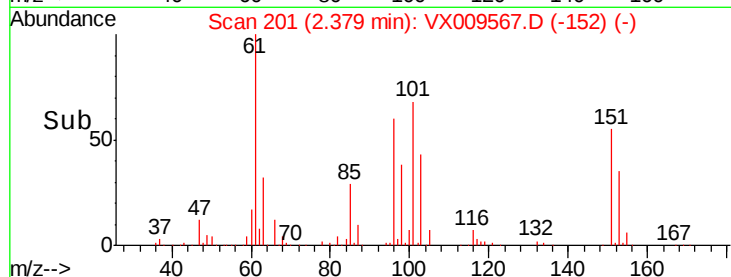
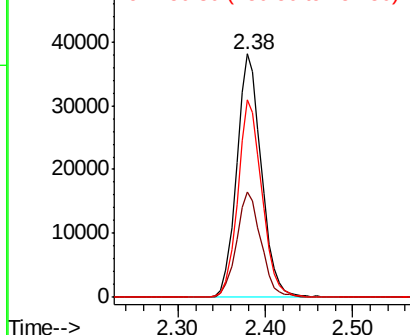
101 100

85 43.0 35.7 53.5

151 79.1 62.2 93.2



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VX0
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 53.550 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX009567.D

Acq: 14 May 2019 17:31

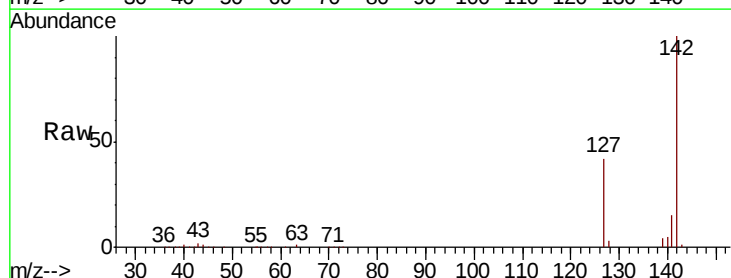
Tgt Ion:142 Resp: 92084

Ion Ratio Lower Upper

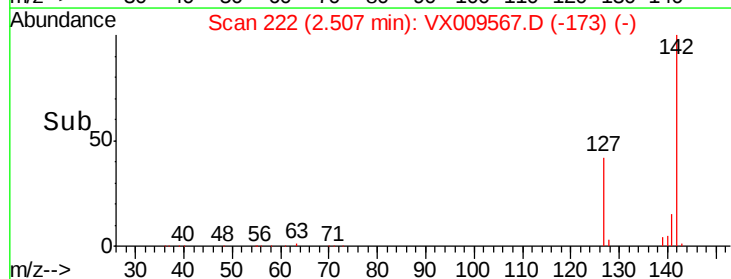
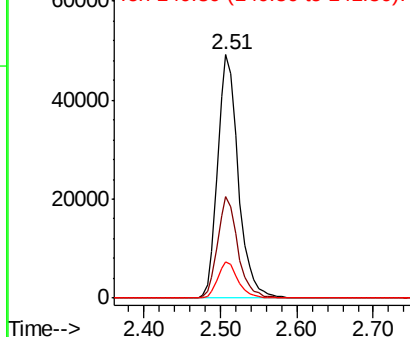
142 100

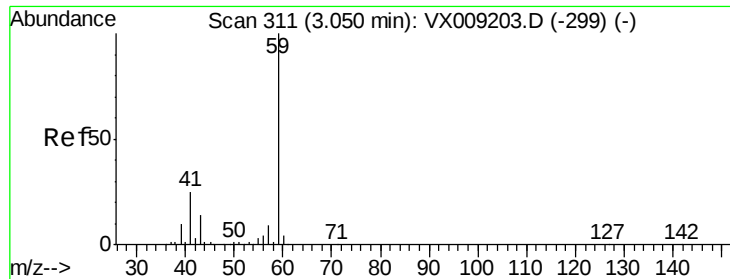
127 40.8 32.7 49.1

141 14.6 11.5 17.3



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

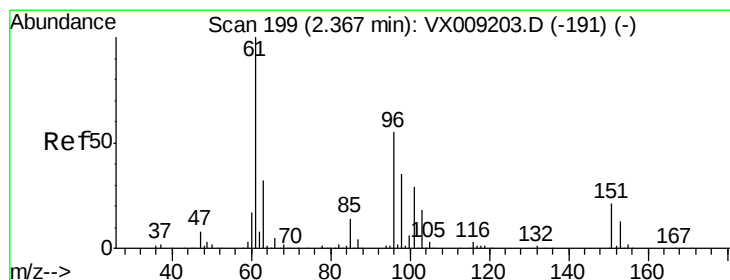
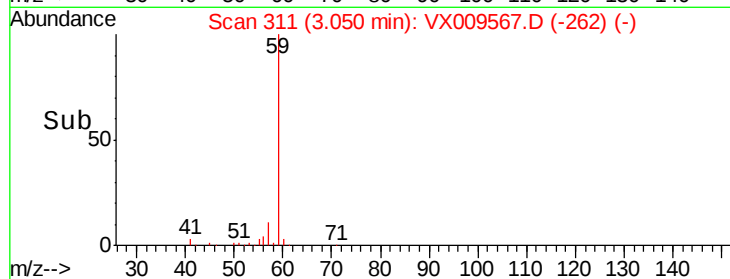
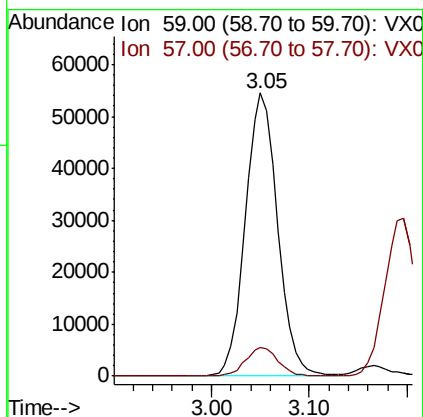
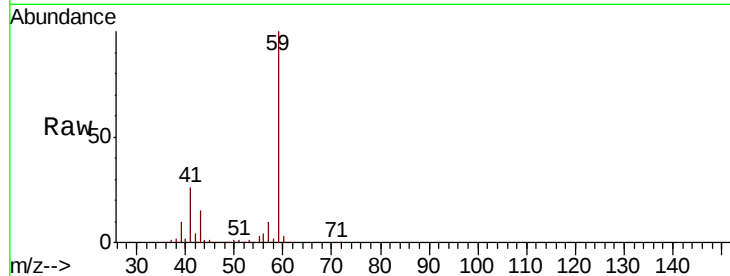




#11
Tert butyl alcohol
Concen: 252.876 ug/l
RT: 3.05 min Scan# 311
Delta R.T. 0.00 min
Lab File: VX009567.D
Acq: 14 May 2019 17:31

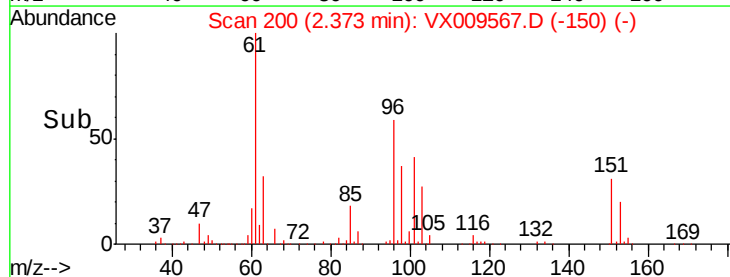
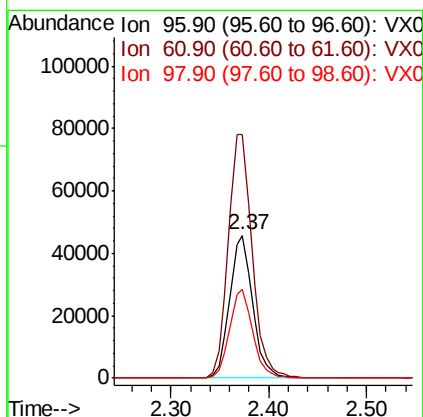
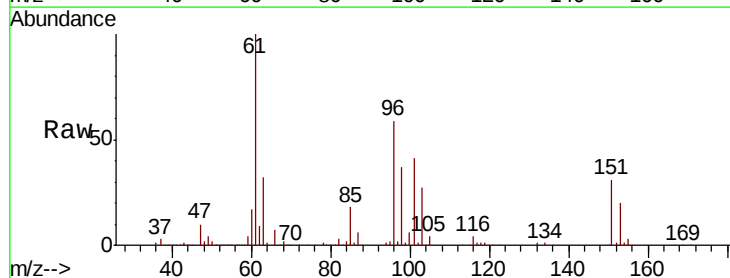
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

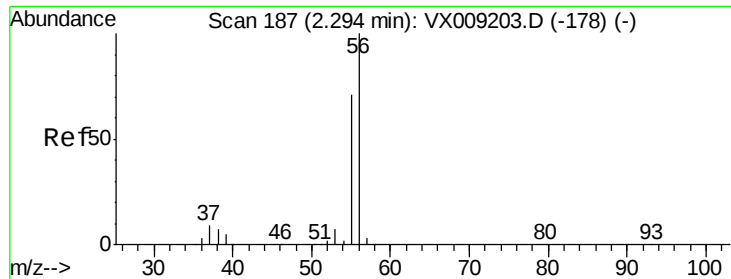
Tot Ion: 59 Resp: 125443
Ion Ratio Lower Upper
59 100
57 10.3 8.2 12.2



#12
1,1-Dichloroethene
Concen: 50.762 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.01 min
Lab File: VX009567.D
Acq: 14 May 2019 17:31

Tgt Ion: 96 Resp: 74772
Ion Ratio Lower Upper
96 100
61 170.0 144.3 216.5
98 62.1 50.3 75.5





#13

Acrolein

Concen: 236.136 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX009567.D

Acq: 14 May 2019 17:31

Instrument :

MSVOA_X

ClientSampleId :

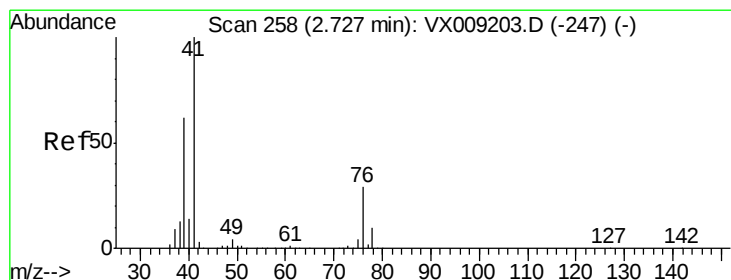
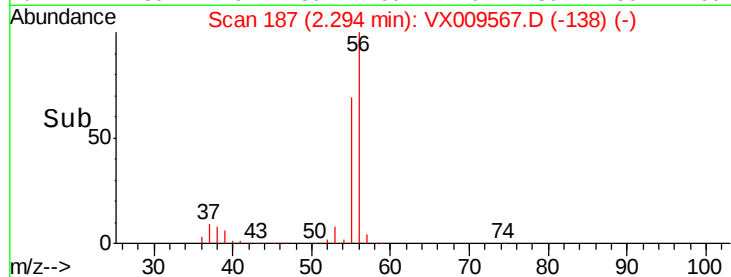
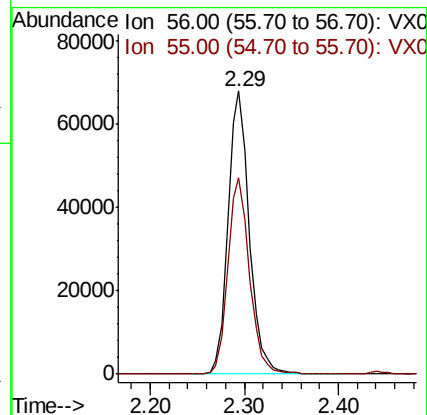
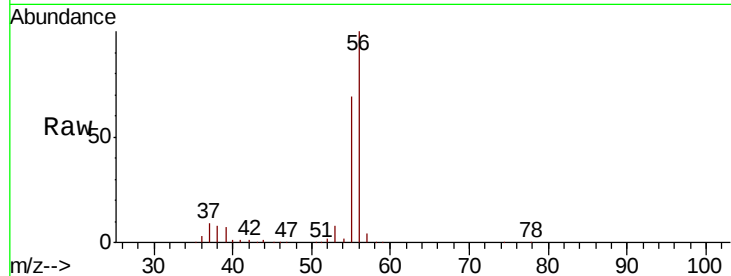
VSTDCCC050EC

Tot Ion: 56 Resp: 106085

Ion Ratio Lower Upper

56 100

55 70.5 56.6 85.0



#14

Allyl chloride

Concen: 49.936 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX009567.D

Acq: 14 May 2019 17:31

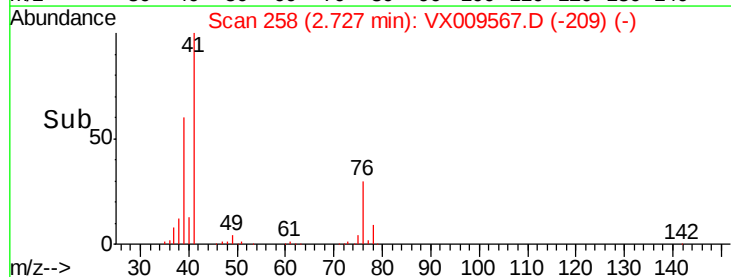
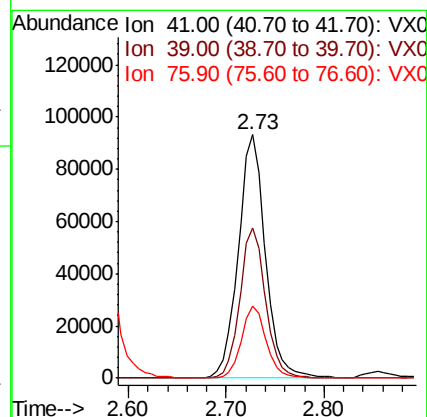
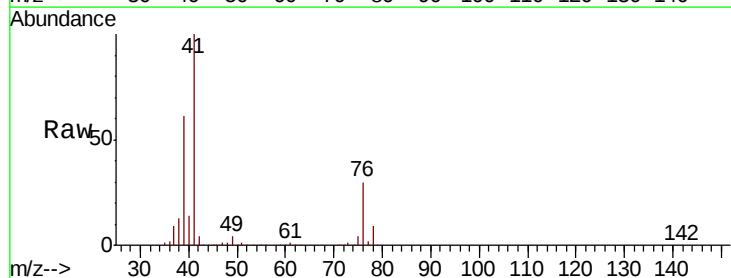
Tgt Ion: 41 Resp: 179253

Ion Ratio Lower Upper

41 100

39 58.4 46.7 70.1

76 27.3 21.8 32.8





#15

Acrylonitrile

Concen: 251.261 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX009567.D

Acq: 14 May 2019 17:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

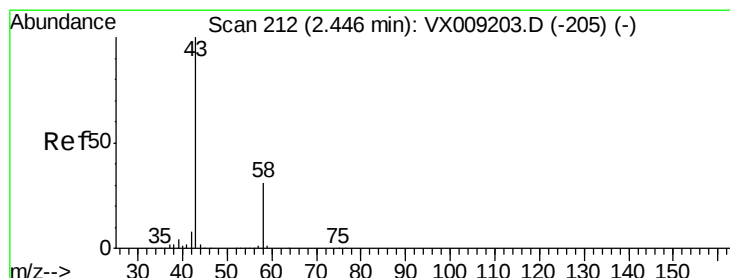
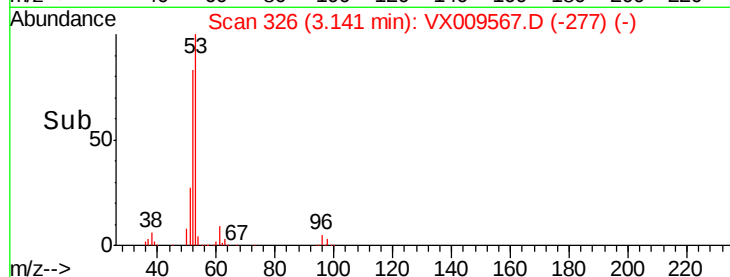
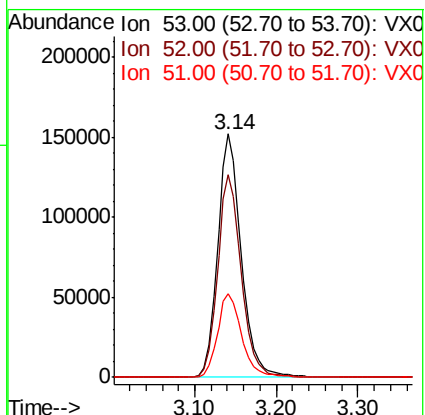
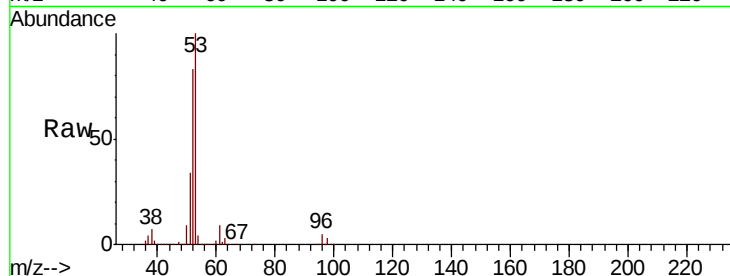
Tot Ion: 53 Resp: 304759

Ion Ratio Lower Upper

53 100

52 83.5 66.9 100.3

51 35.4 28.2 42.2



#16

Acetone

Concen: 245.938 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX009567.D

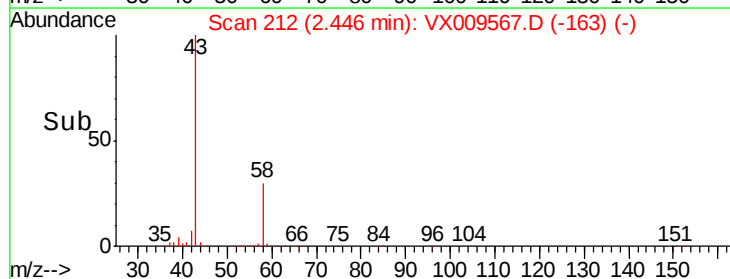
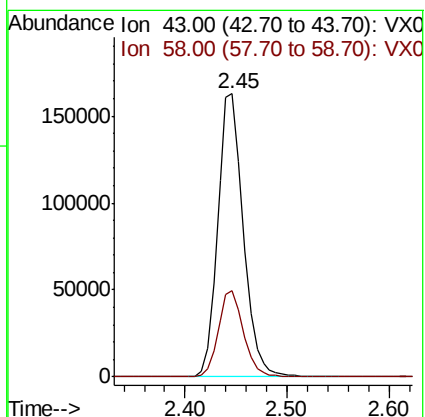
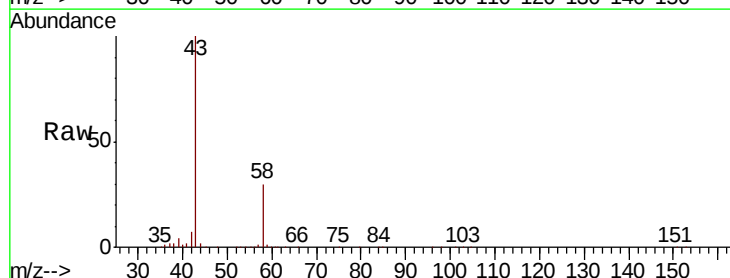
Acq: 14 May 2019 17:31

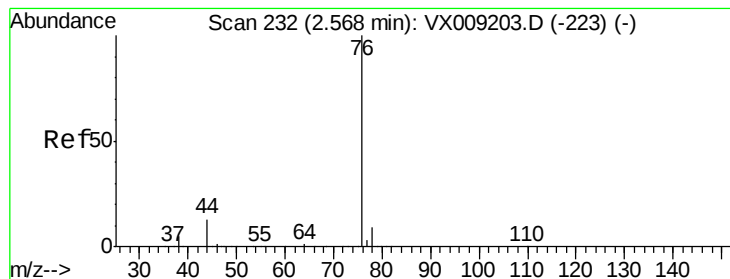
Tgt Ion: 43 Resp: 283010

Ion Ratio Lower Upper

43 100

58 30.3 24.9 37.3





#17

Carbon Disulfide

Concen: 49.494 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX009567.D

Acq: 14 May 2019 17:31

Instrument :

MSVOA_X

ClientSampleId :

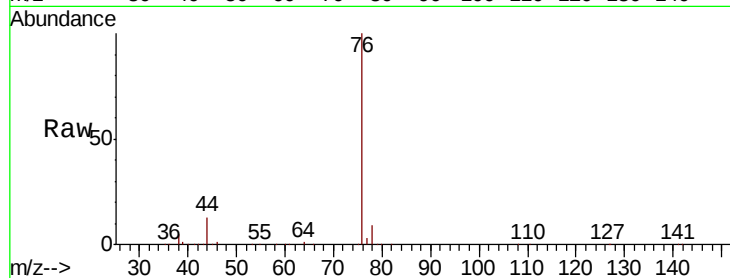
VSTDCCC050EC

Tot Ion: 76 Resp: 204683

Ion Ratio Lower Upper

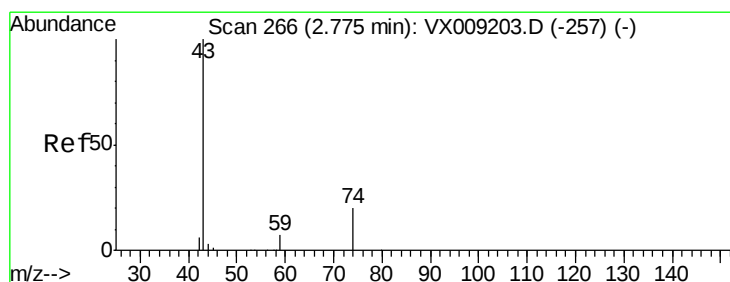
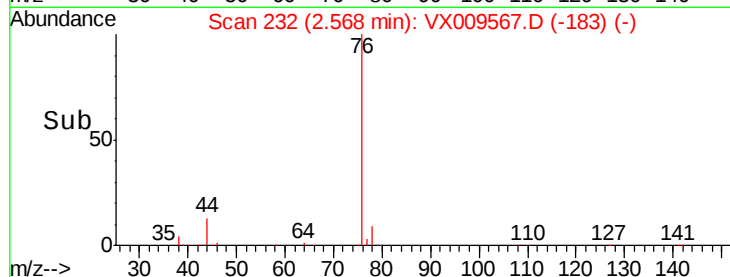
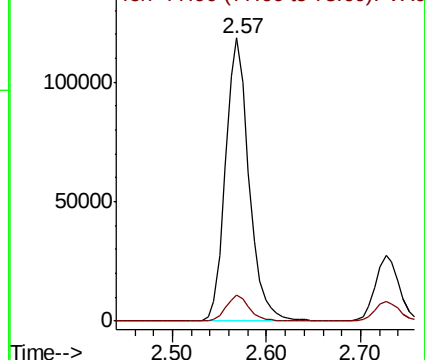
76 100

78 9.1 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 48.600 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX009567.D

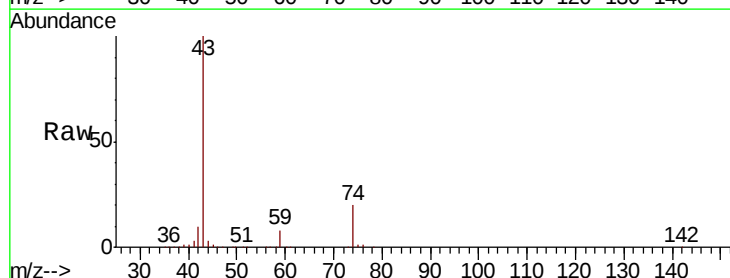
Acq: 14 May 2019 17:31

Tgt Ion: 43 Resp: 133002

Ion Ratio Lower Upper

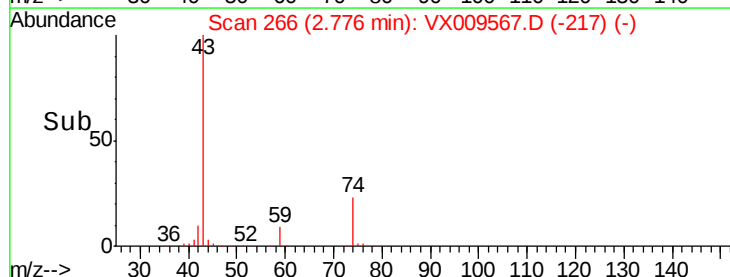
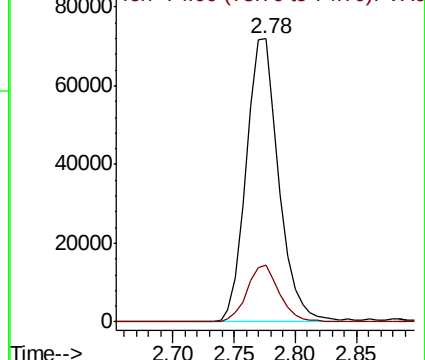
43 100

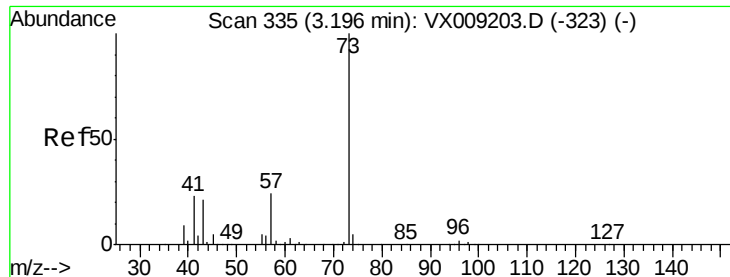
74 19.6 16.2 24.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

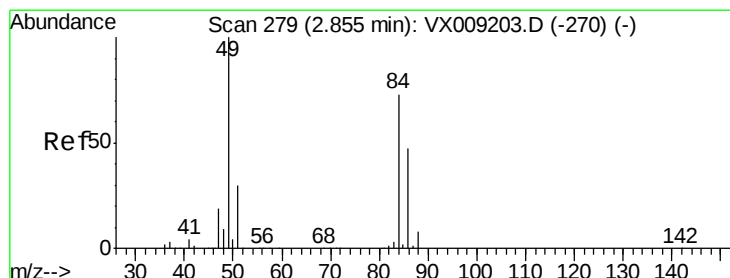
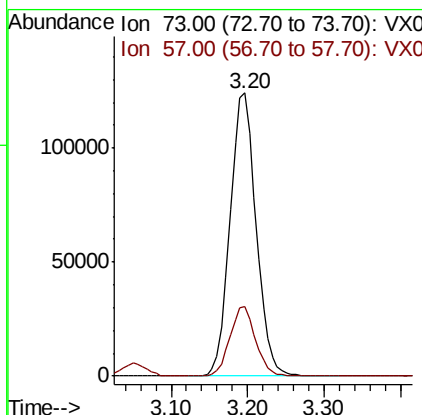
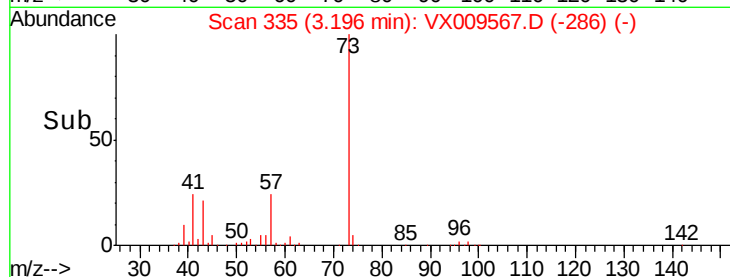
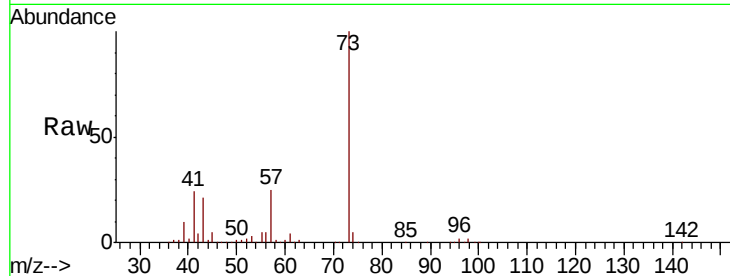




#19
Methyl tert-butyl Ether
Concen: 51.159 ug/l
RT: 3.20 min Scan# 335
Delta R.T. 0.00 min
Lab File: VX009567.D
Acq: 14 May 2019 17:31

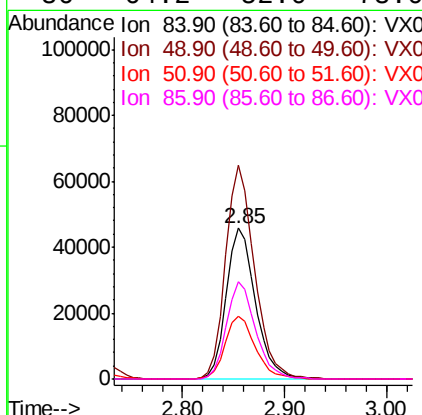
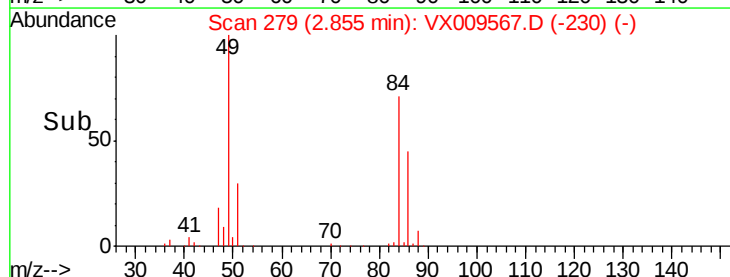
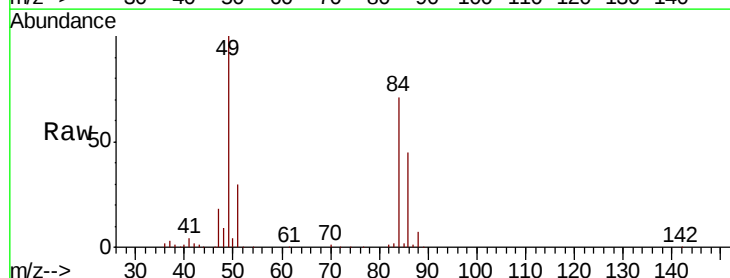
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

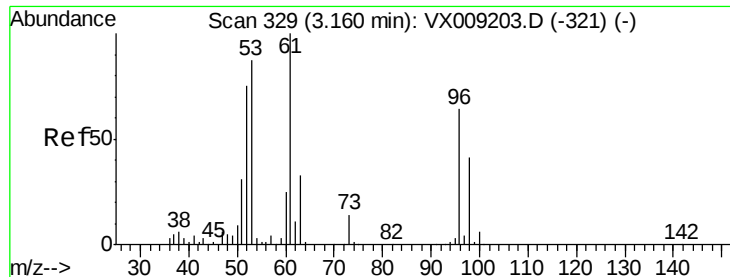
Tot Ion: 73 Resp: 292630
Ion Ratio Lower Upper
73 100
57 24.5 19.3 28.9



#20
Methylene Chloride
Concen: 48.606 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX009567.D
Acq: 14 May 2019 17:31

Tgt Ion: 84 Resp: 90563
Ion Ratio Lower Upper
84 100
49 141.6 109.9 164.9
51 41.9 32.7 49.1
86 64.2 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 51.238 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX009567.D

Acq: 14 May 2019 17:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

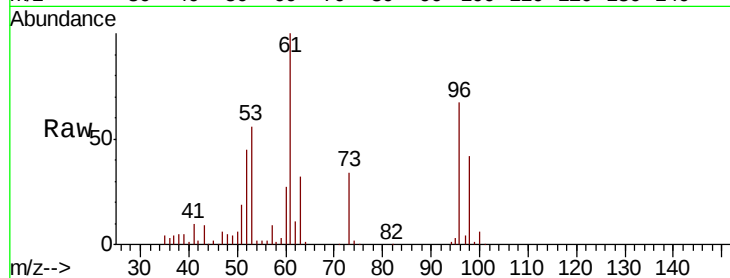
Tot Ion: 96 Resp: 81851

Ion Ratio Lower Upper

96 100

61 148.3 124.5 186.7

98 61.9 50.4 75.6

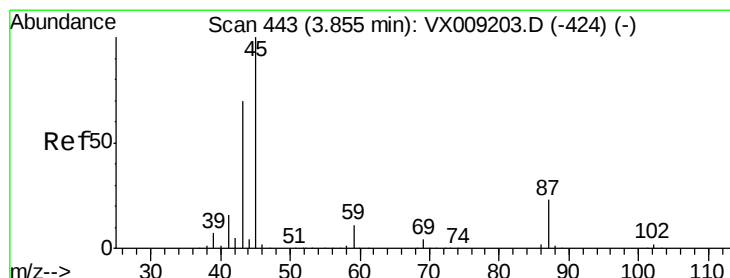
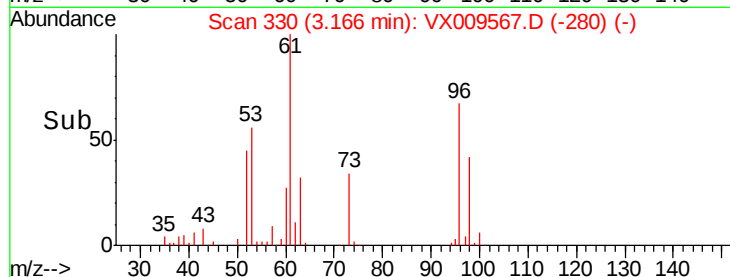
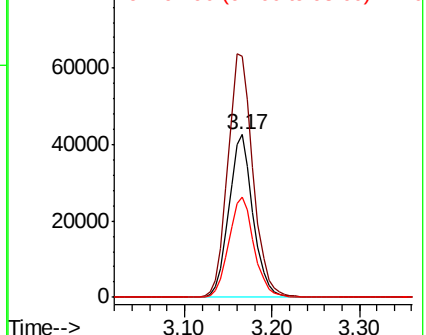


Abundance

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: 51.478 ug/l

RT: 3.85 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX009567.D

Acq: 14 May 2019 17:31

Tgt Ion: 45 Resp: 355371

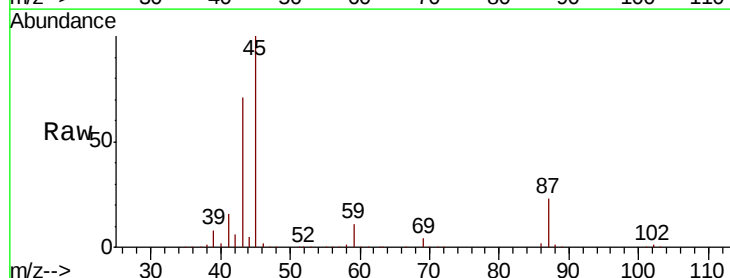
Ion Ratio Lower Upper

45 100

43 71.1 56.1 84.1

87 23.0 18.1 27.1

59 11.0 8.5 12.7



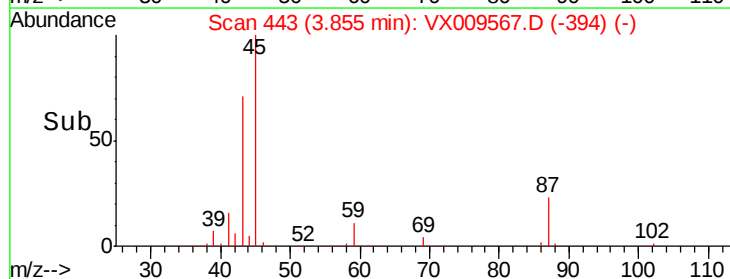
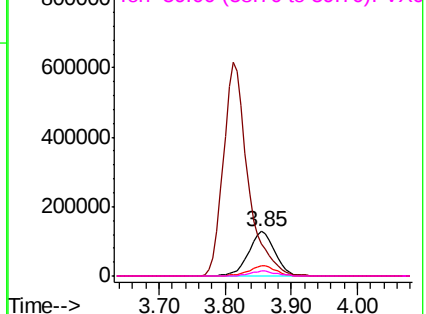
Abundance

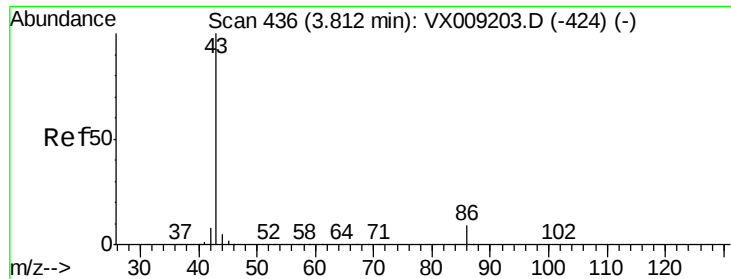
Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 268.309 ug/l

RT: 3.81 min Scan# 436

Delta R.T. 0.00 min

Lab File: VX009567.D

Acq: 14 May 2019 17:31

Instrument :

MSVOA_X

ClientSampleId :

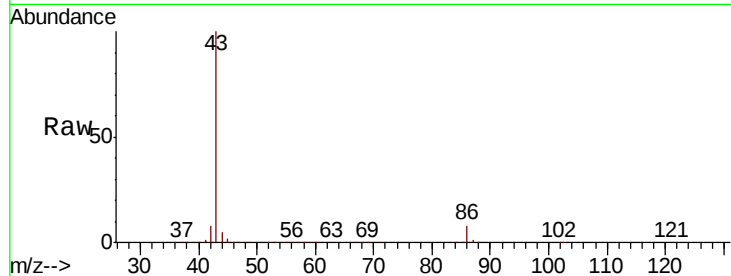
VSTDCCC050EC

Tot Ion: 43 Resp: 1586094

Ion Ratio Lower Upper

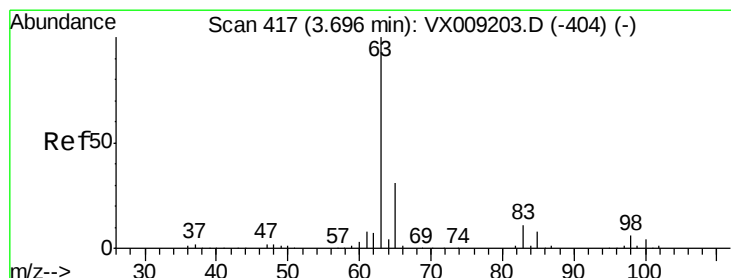
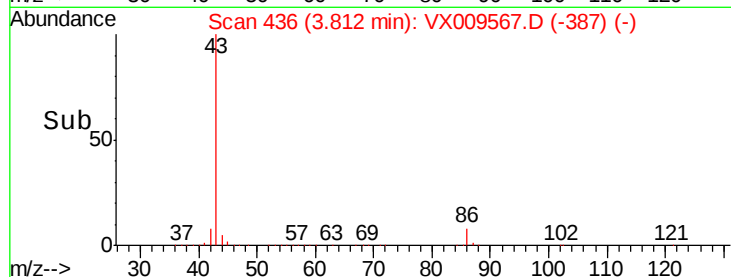
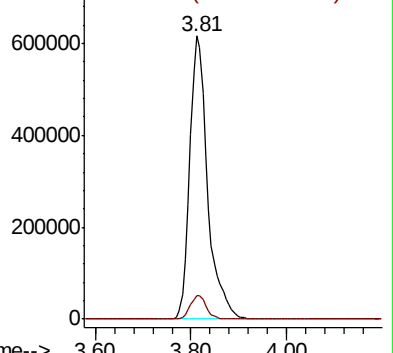
43 100

86 8.4 6.9 10.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 50.682 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX009567.D

Acq: 14 May 2019 17:31

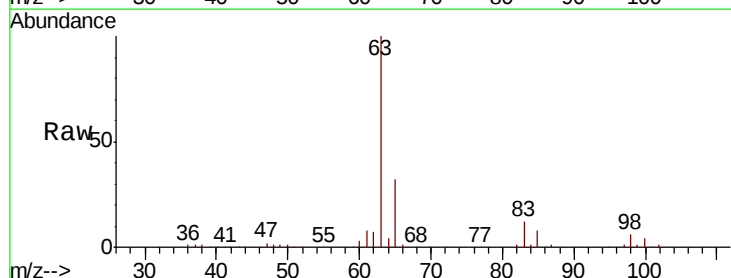
Tgt Ion: 63 Resp: 172598

Ion Ratio Lower Upper

63 100

98 6.0 3.0 9.2

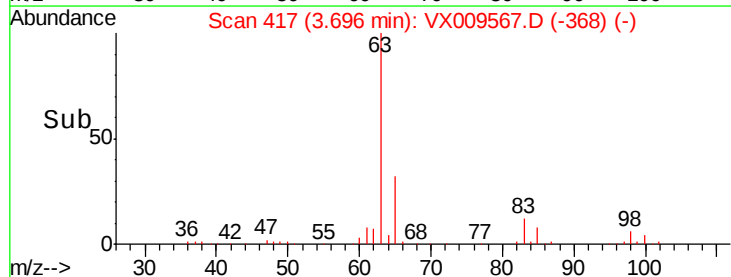
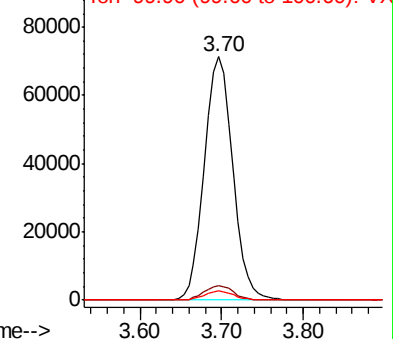
100 4.0 2.0 6.0

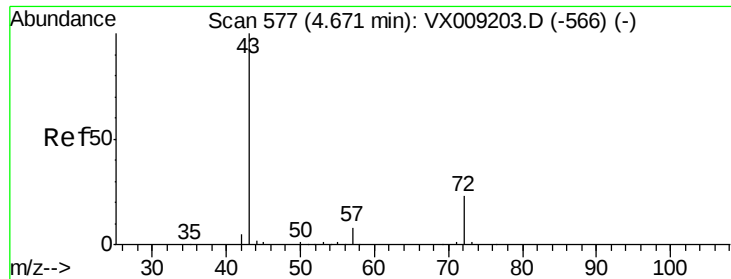


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 255.556 ug/l

RT: 4.67 min Scan# 577

Delta R.T. 0.00 min

Lab File: VX009567.D

Acq: 14 May 2019 17:31

Instrument :

MSVOA_X

ClientSampleId :

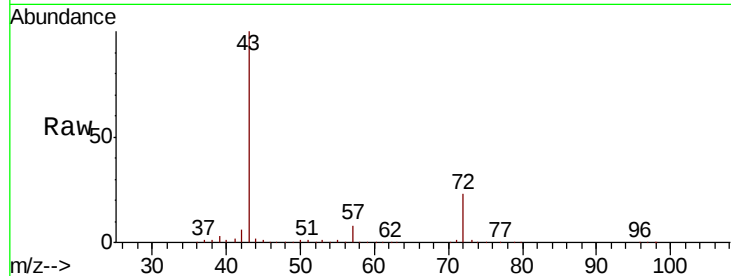
VSTDCCC050EC

Tot Ion: 43 Resp: 456989

Ion Ratio Lower Upper

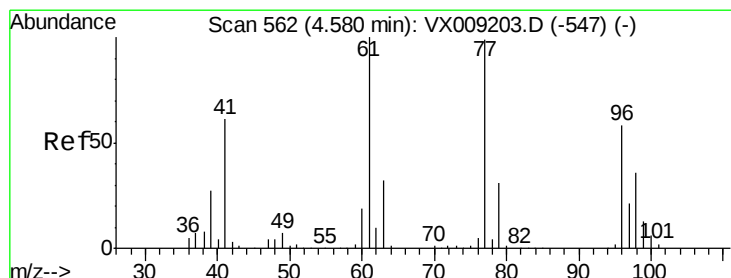
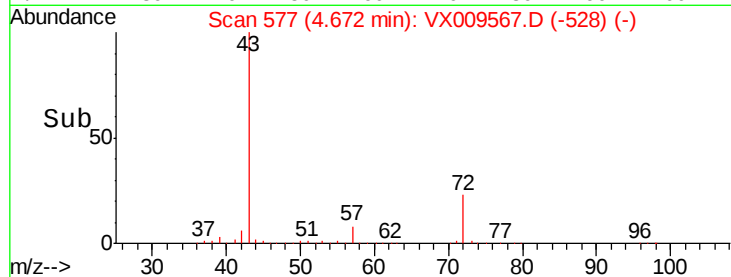
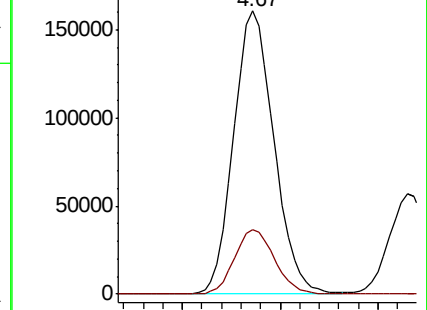
43 100

72 23.0 18.2 27.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 50.465 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX009567.D

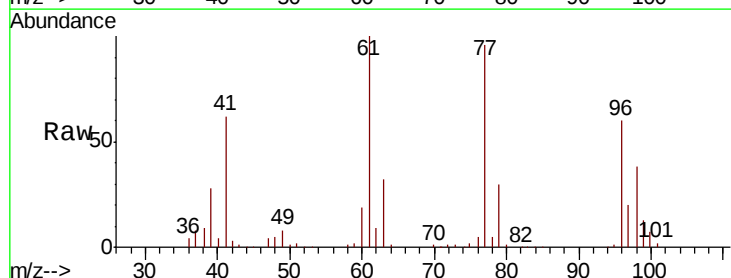
Acq: 14 May 2019 17:31

Tgt Ion: 77 Resp: 127922

Ion Ratio Lower Upper

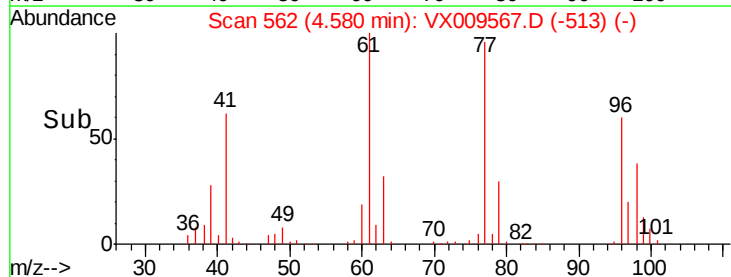
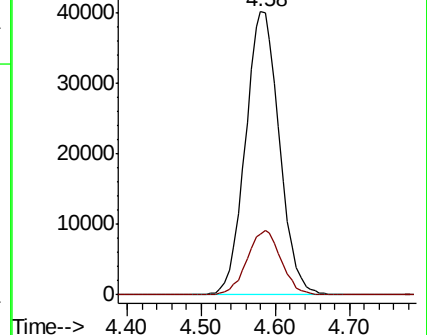
77 100

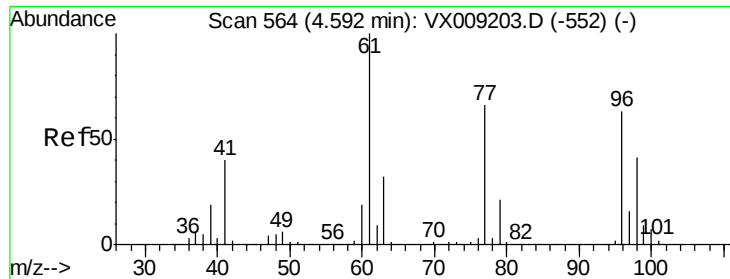
97 22.8 11.5 34.4



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



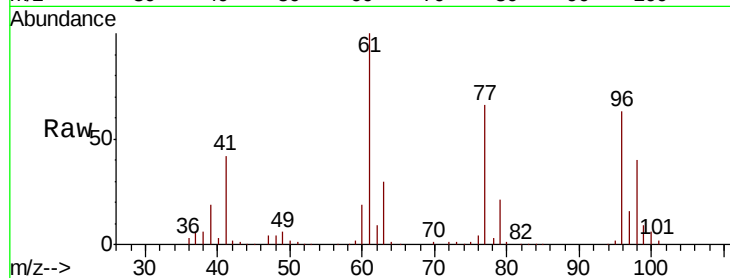


#27

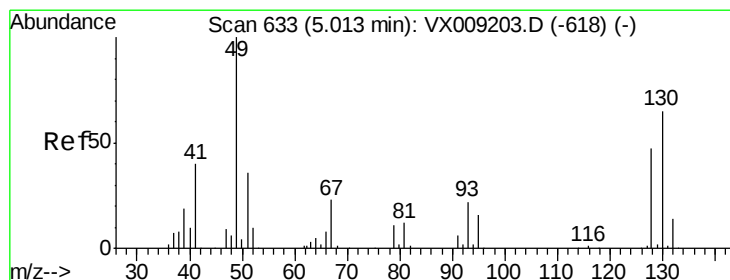
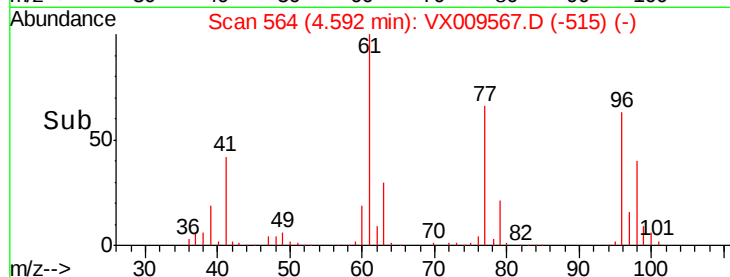
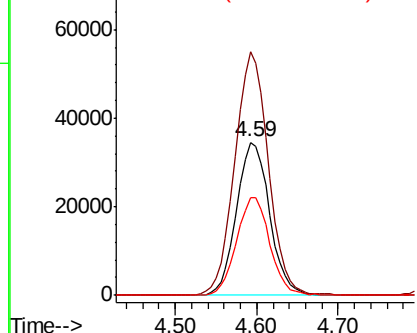
cis-1,2-Dichloroethene
Concen: 50.964 ug/l
RT: 4.59 min Scan# 564
Delta R.T. 0.00 min
Lab File: VX009567.D
Acq: 14 May 2019 17:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 96 Resp: 97176
Ion Ratio Lower Upper
96 100
61 161.5 0.0 324.0
98 64.5 0.0 130.4



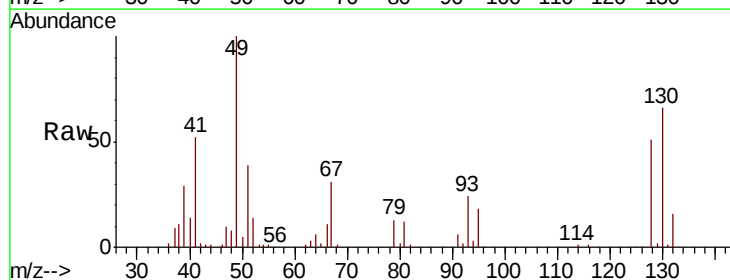
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



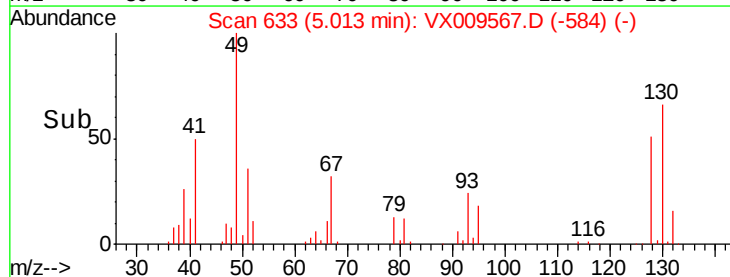
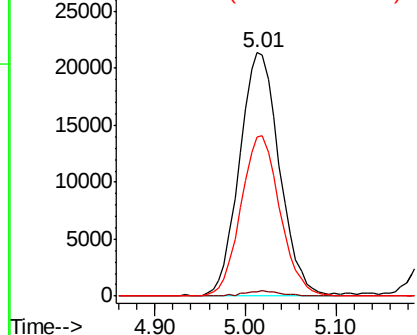
#28

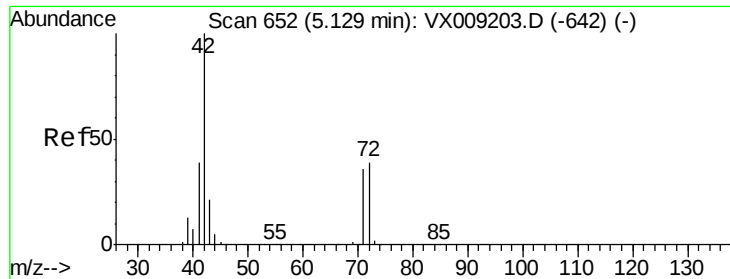
Bromochloromethane
Concen: 47.188 ug/l
RT: 5.01 min Scan# 633
Delta R.T. 0.00 min
Lab File: VX009567.D
Acq: 14 May 2019 17:31

Tgt Ion: 49 Resp: 64901
Ion Ratio Lower Upper
49 100
129 2.0 0.0 3.8
130 65.1 51.2 76.8



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

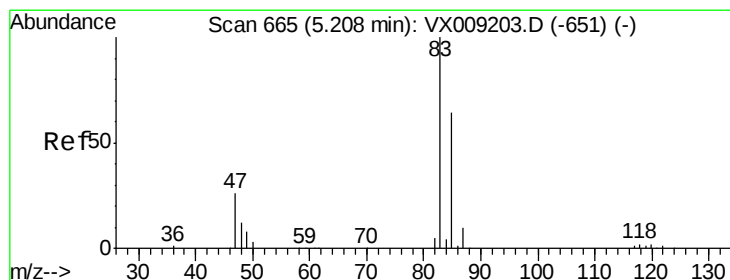
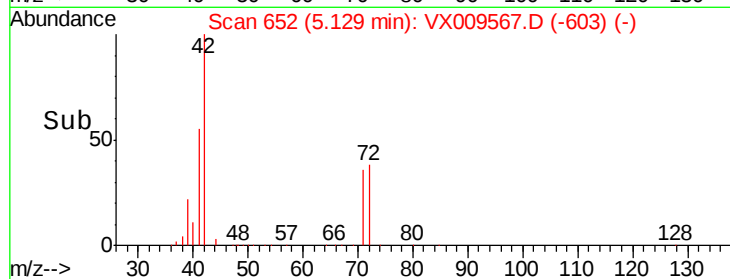
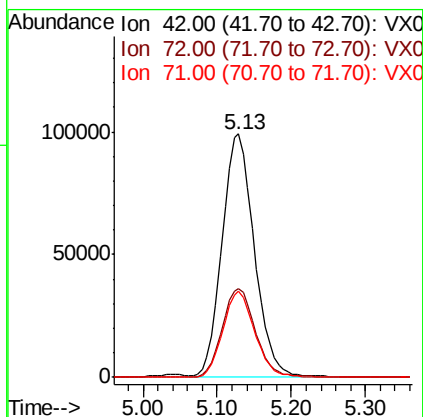
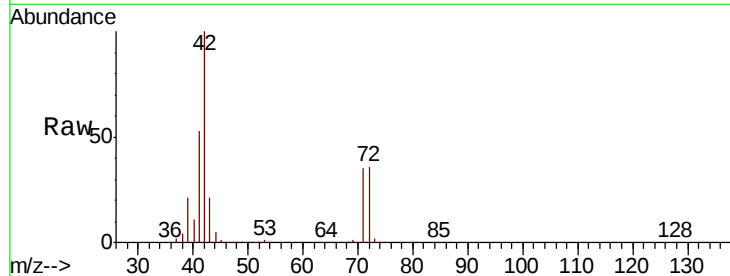




#29
Tetrahydrofuran
Concen: 258.856 ug/l
RT: 5.13 min Scan# 652
Delta R.T. 0.00 min
Lab File: VX009567.D
Acq: 14 May 2019 17:31

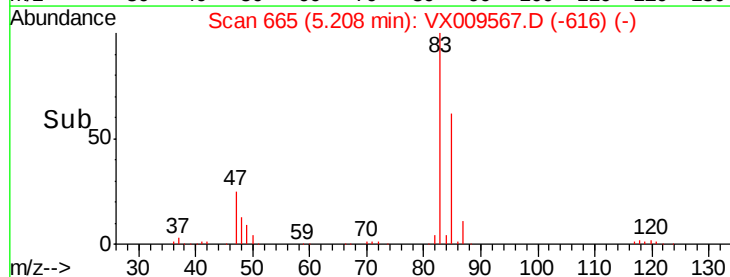
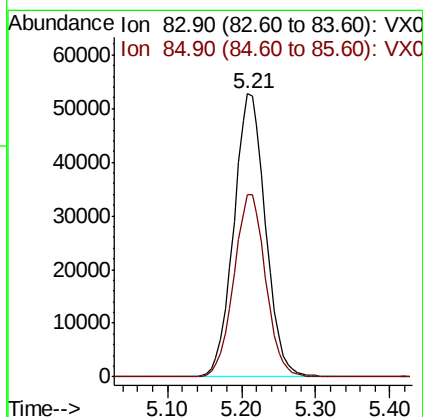
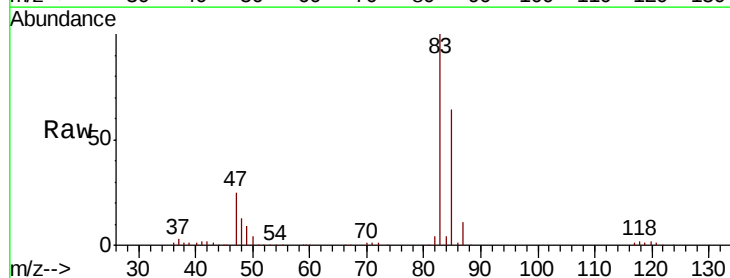
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

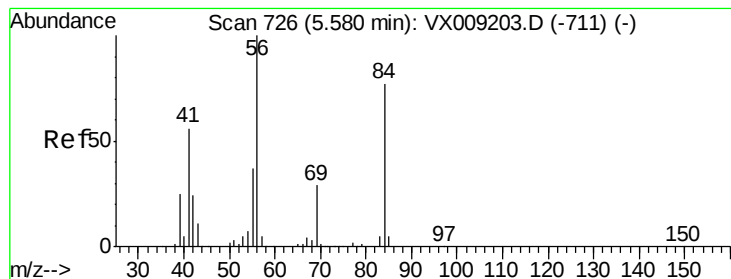
Tot Ion: 42 Resp: 297868
Ion Ratio Lower Upper
42 100
72 37.9 30.4 45.6
71 35.3 28.6 43.0



#30
Chloroform
Concen: 51.201 ug/l
RT: 5.21 min Scan# 665
Delta R.T. 0.00 min
Lab File: VX009567.D
Acq: 14 May 2019 17:31

Tgt Ion: 83 Resp: 157702
Ion Ratio Lower Upper
83 100
85 64.2 51.5 77.3





#31

Cyclohexane

Concen: 51.582 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.00 min

Lab File: VX009567.D

Acq: 14 May 2019 17:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

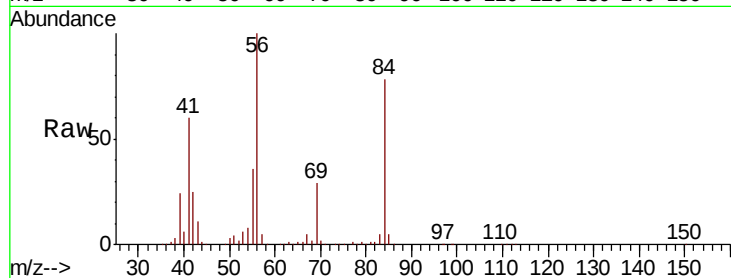
Tot Ion: 56 Resp: 163433

Ion Ratio Lower Upper

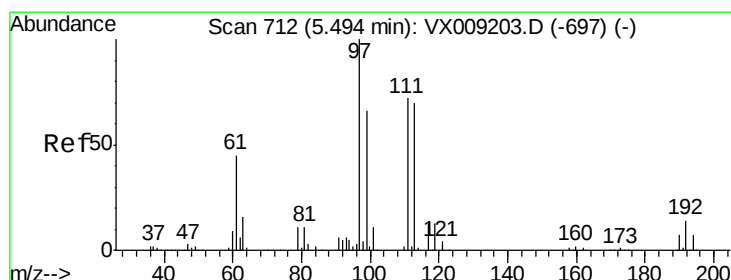
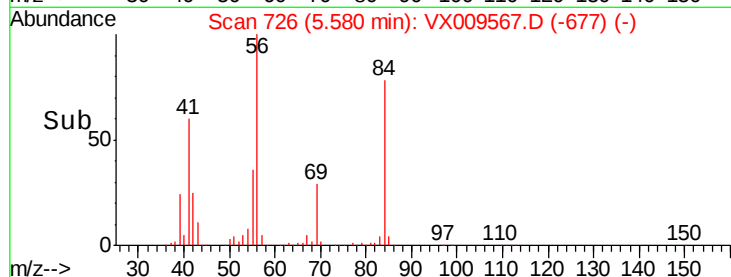
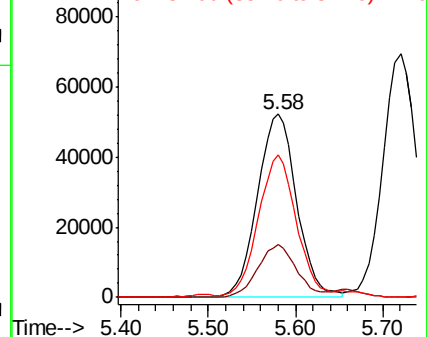
56 100

69 28.4 23.4 35.0

84 76.2 61.9 92.9



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: 51.116 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX009567.D

Acq: 14 May 2019 17:31

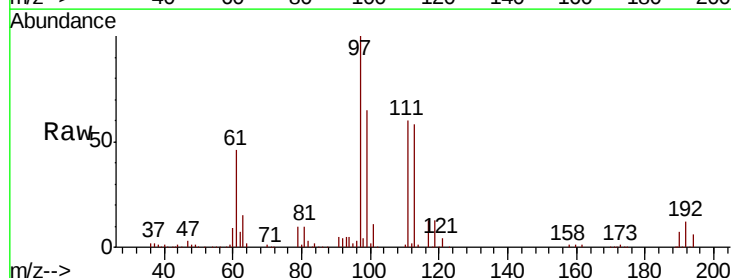
Tgt Ion: 97 Resp: 131062

Ion Ratio Lower Upper

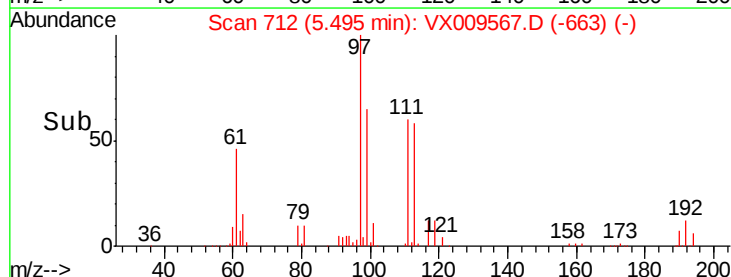
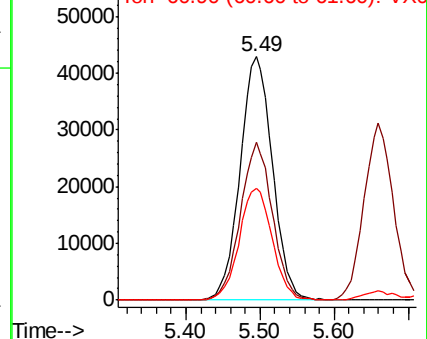
97 100

99 64.0 51.8 77.8

61 47.0 37.8 56.8



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: 44.999 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX009567.D

Acq: 14 May 2019 17:31

Instrument :

MSVOA_X

ClientSampleId :

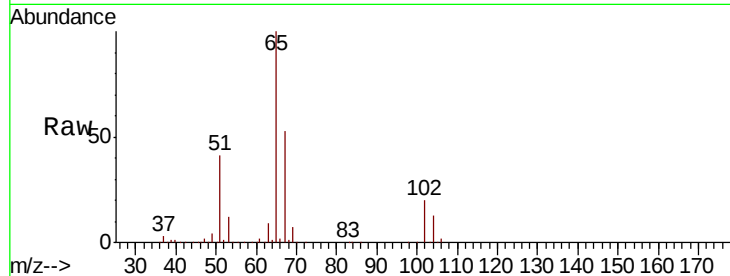
VSTDCCC050EC

Tot Ion: 65 Resp: 96435

Ion Ratio Lower Upper

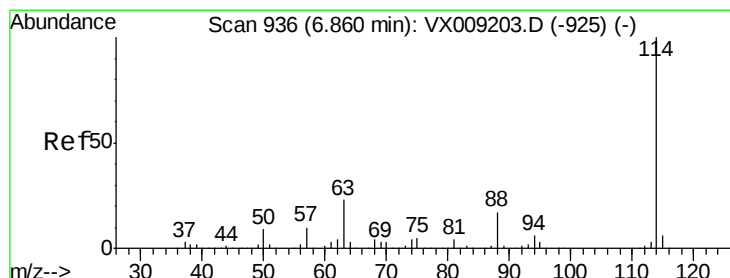
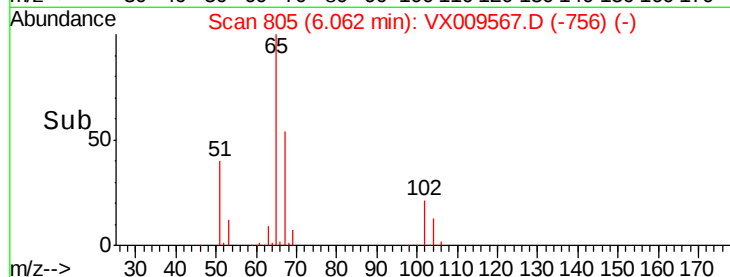
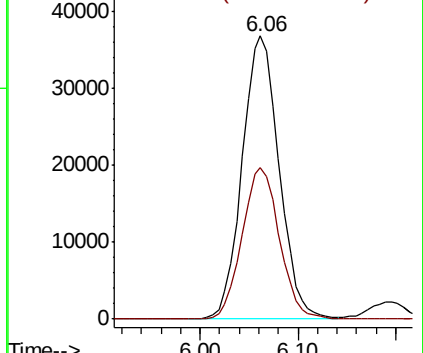
65 100

67 54.0 0.0 106.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX009567.D

Acq: 14 May 2019 17:31

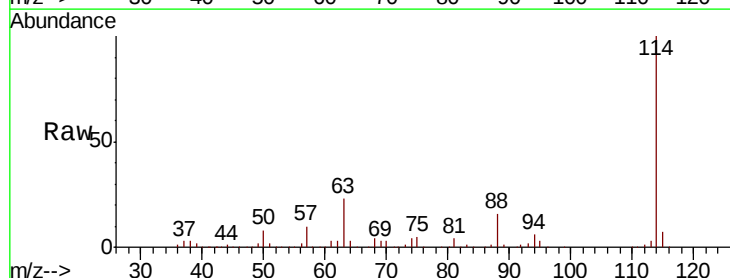
Tgt Ion: 114 Resp: 249785

Ion Ratio Lower Upper

114 100

63 23.3 0.0 45.6

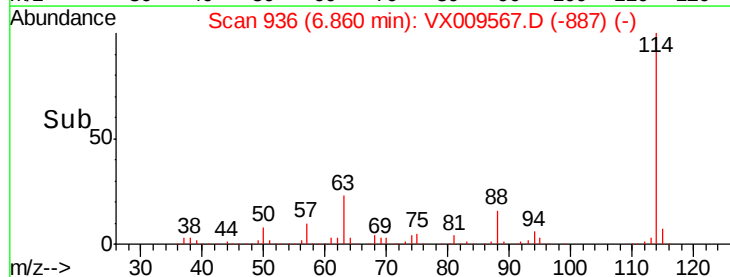
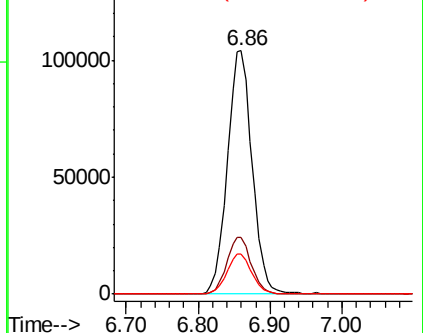
88 16.3 0.0 33.2

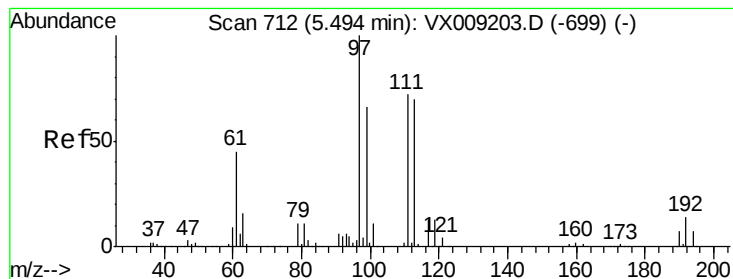


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 45.979 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX009567.D

Acq: 14 May 2019 17:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

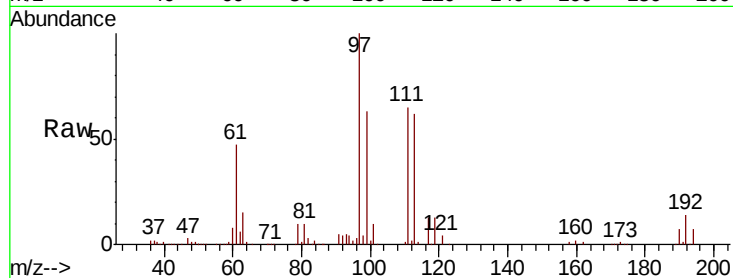
Tot Ion:113 Resp: 72199

Ion Ratio Lower Upper

113 100

111 103.6 82.8 124.2

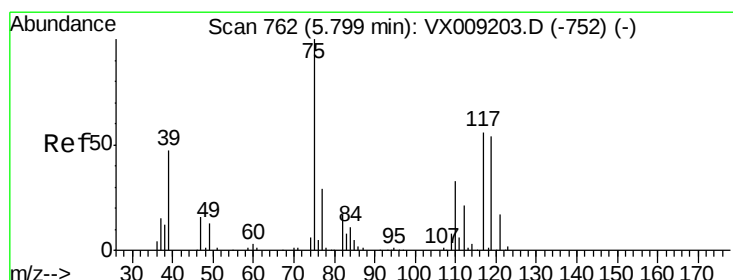
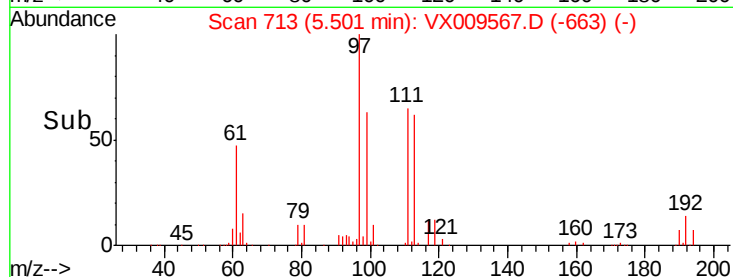
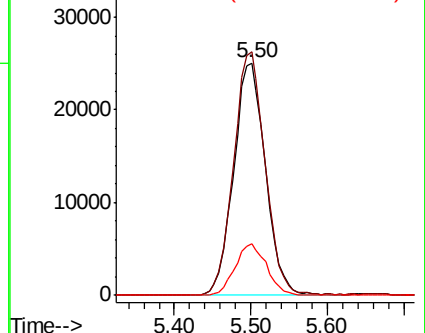
192 22.0 17.0 25.6



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: 51.916 ug/l

RT: 5.80 min Scan# 762

Delta R.T. 0.00 min

Lab File: VX009567.D

Acq: 14 May 2019 17:31

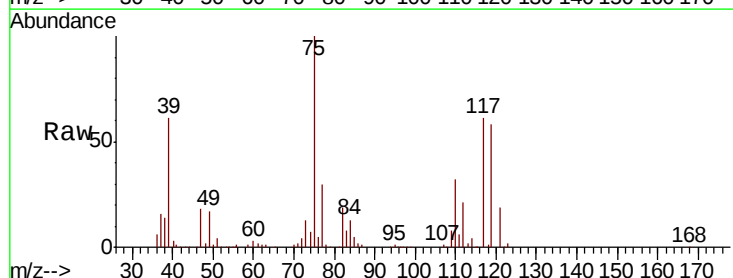
Tgt Ion: 75 Resp: 120511

Ion Ratio Lower Upper

75 100

110 33.3 16.9 50.6

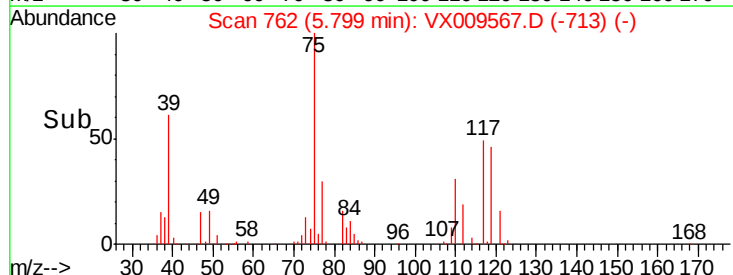
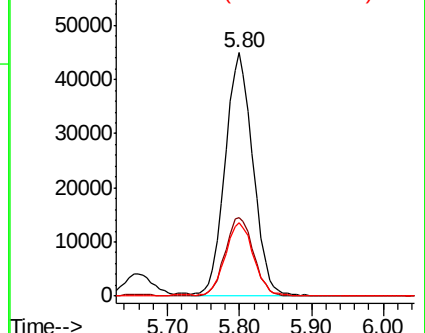
77 31.0 24.8 37.2

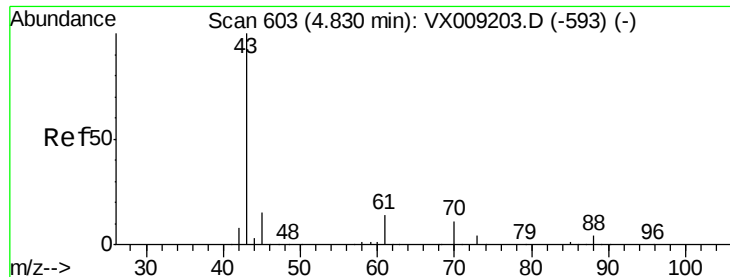


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#37

Ethyl Acetate

Concen: 52.296 ug/l

RT: 4.83 min Scan# 603

Delta R.T. 0.00 min

Lab File: VX009567.D

Acq: 14 May 2019 17:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

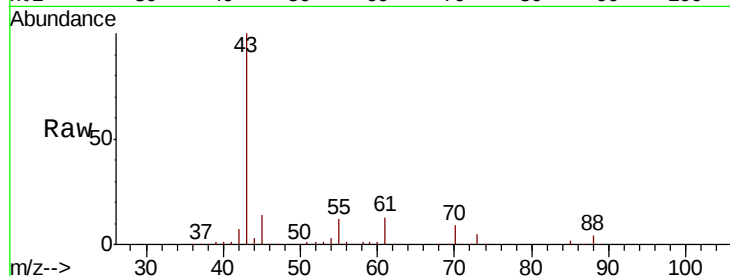
Tot Ion: 43 Resp: 169138

Ion Ratio Lower Upper

43 100

61 13.0 10.5 15.7

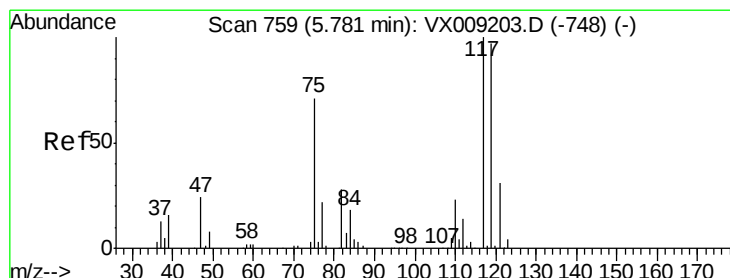
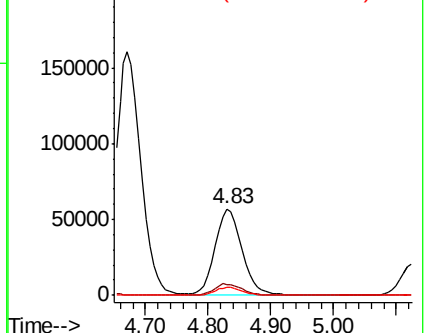
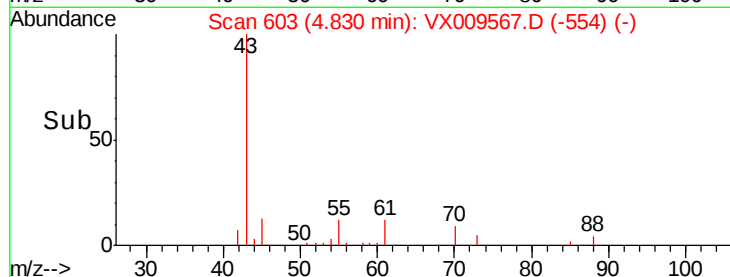
70 9.5 7.9 11.9



Abundance Ion 43.00 (42.70 to 43.70): VX009567.D (-554) (-)

Ion 60.90 (60.60 to 61.60): VX009567.D (-554) (-)

Ion 70.00 (69.70 to 70.70): VX009567.D (-554) (-)



#38

Carbon Tetrachloride

Concen: 51.603 ug/l

RT: 5.78 min Scan# 759

Delta R.T. 0.00 min

Lab File: VX009567.D

Acq: 14 May 2019 17:31

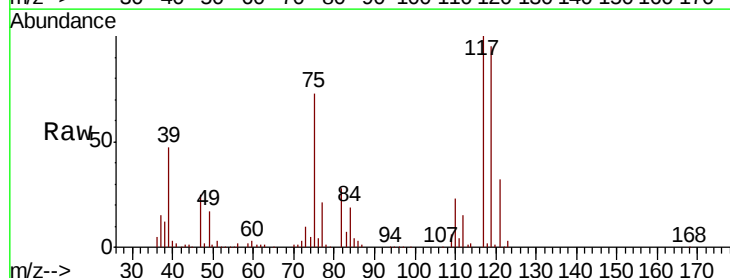
Tgt Ion: 117 Resp: 108832

Ion Ratio Lower Upper

117 100

119 95.5 77.5 116.3

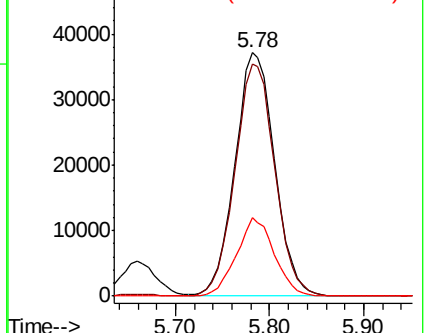
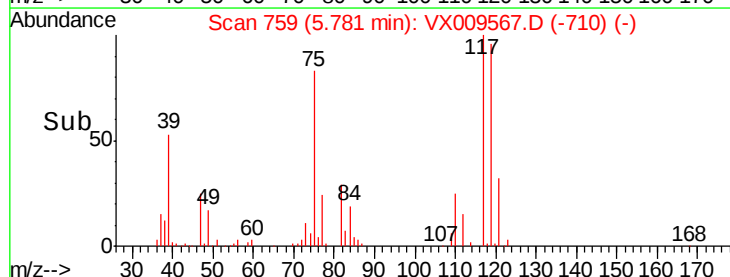
121 32.4 24.7 37.1

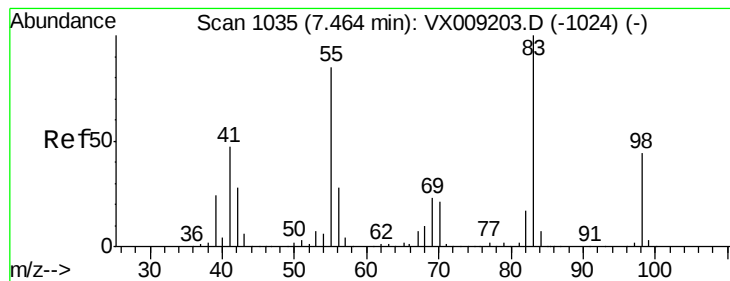


Abundance Ion 116.80 (116.50 to 117.50): VX009567.D (-710) (-)

Ion 118.80 (118.50 to 119.50): VX009567.D (-710) (-)

Ion 120.80 (120.50 to 121.50): VX009567.D (-710) (-)





#39

Methvlcvclohexane

Concen: 52.064 ug/l

RT: 7.46 min Scan# 1035

Delta R.T. 0.00 min

Lab File: VX009567.D

Acq: 14 May 2019 17:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

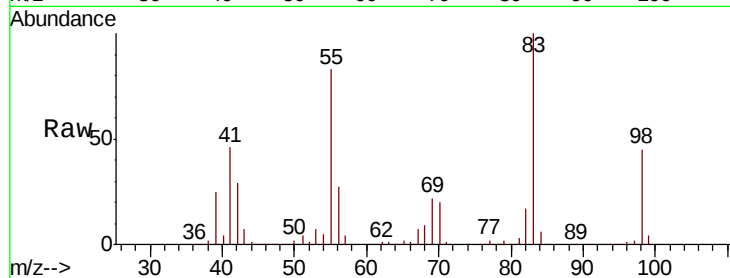
Tot Ion: 83 Resp: 148423

Ion Ratio Lower Upper

83 100

55 83.4 67.7 101.5

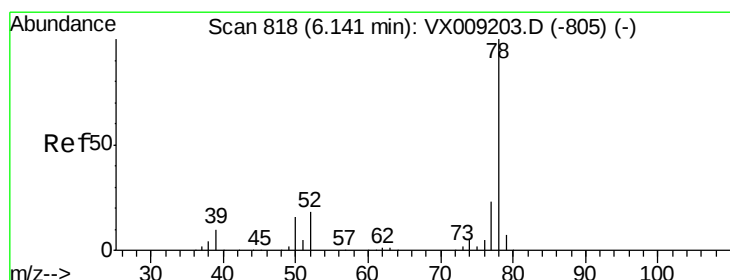
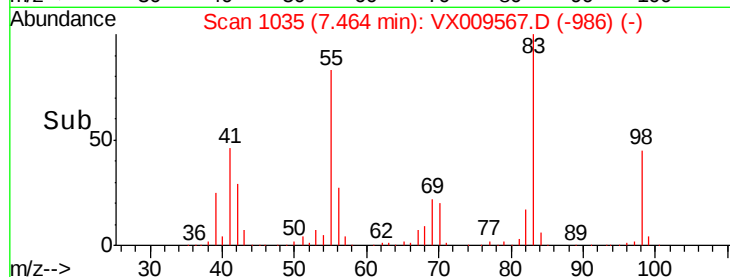
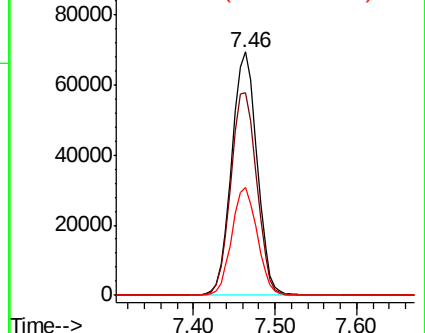
98 44.5 35.5 53.3



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: 51.594 ug/l

RT: 6.14 min Scan# 818

Delta R.T. 0.00 min

Lab File: VX009567.D

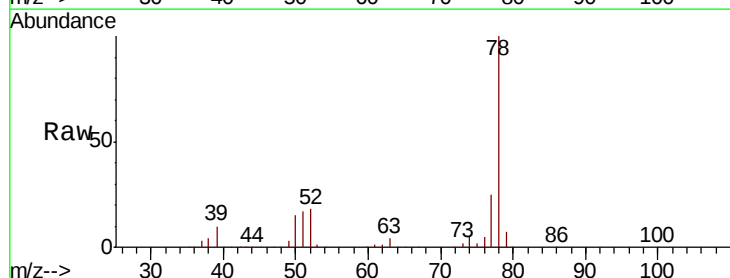
Acq: 14 May 2019 17:31

Tgt Ion: 78 Resp: 370649

Ion Ratio Lower Upper

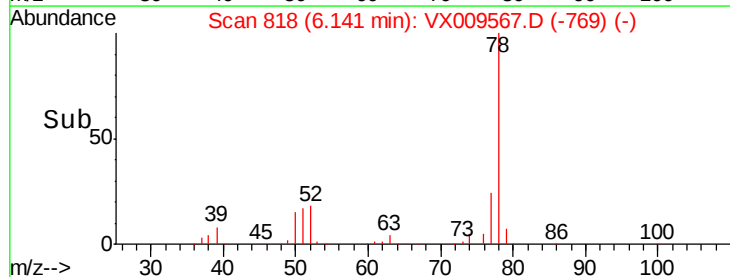
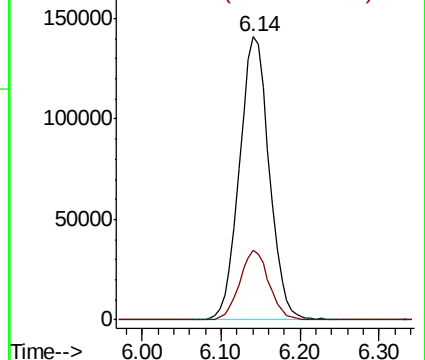
78 100

77 24.6 18.8 28.2



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

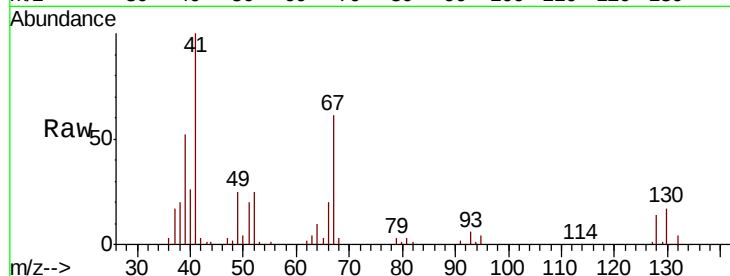




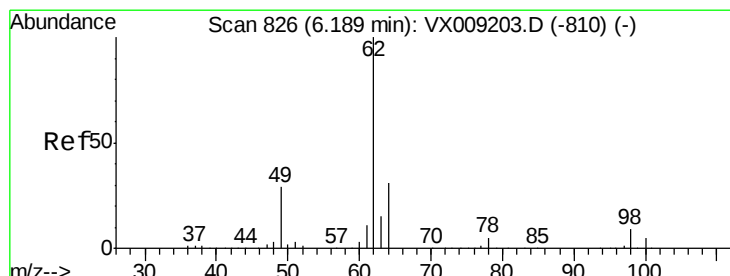
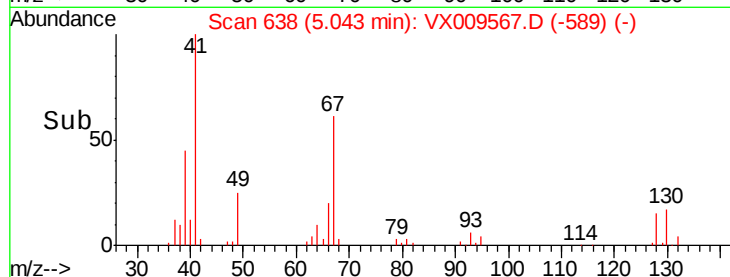
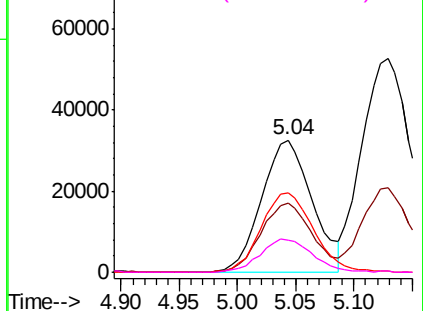
#41
Methacrylonitrile
Concen: 50.969 ug/l
RT: 5.04 min Scan# 638
Delta R.T. 0.00 min
Lab File: VX009567.D
Acq: 14 May 2019 17:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:	41	Resp:	98127
Ion	Ratio	Lower	Upper
41	100		
39	52.9	42.0	63.0
67	62.7	49.8	74.8
52	25.5	20.3	30.5

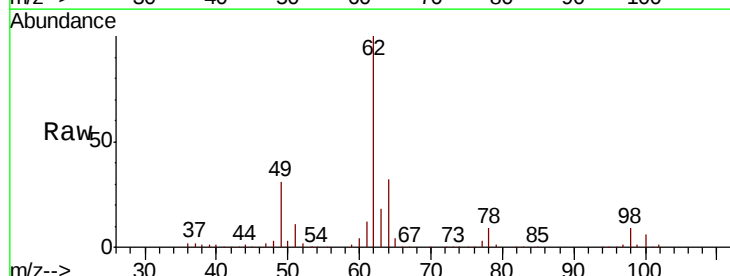


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

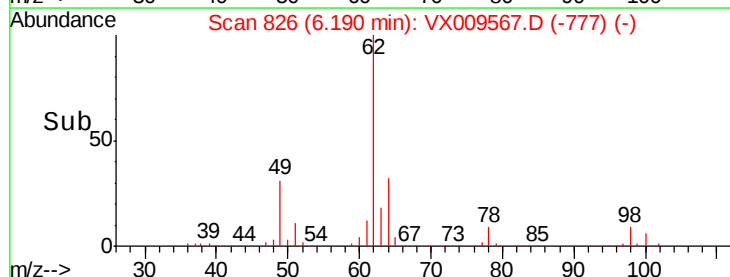
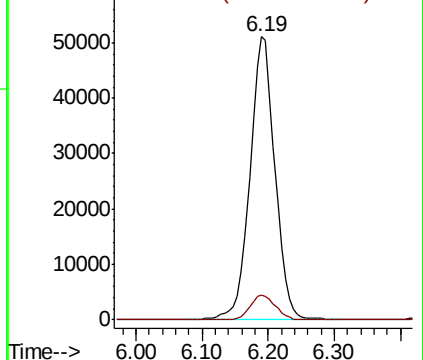


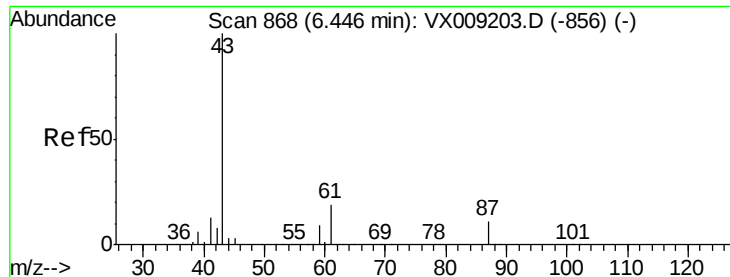
#42
1,2-Dichloroethane
Concen: 52.210 ug/l
RT: 6.19 min Scan# 826
Delta R.T. 0.00 min
Lab File: VX009567.D
Acq: 14 May 2019 17:31

Tgt Ion:	62	Resp:	134546
Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	18.2



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



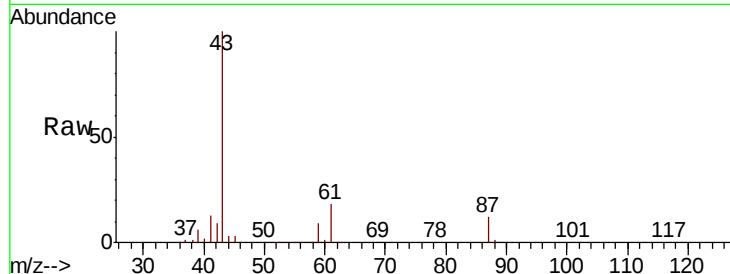


#43

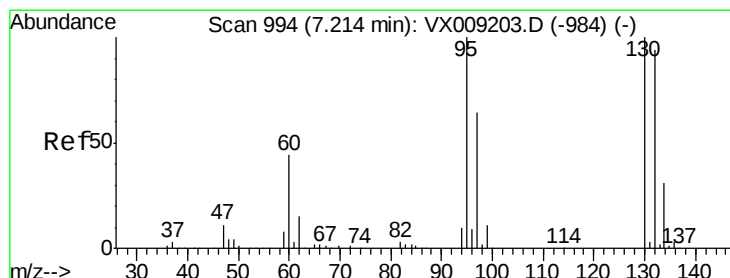
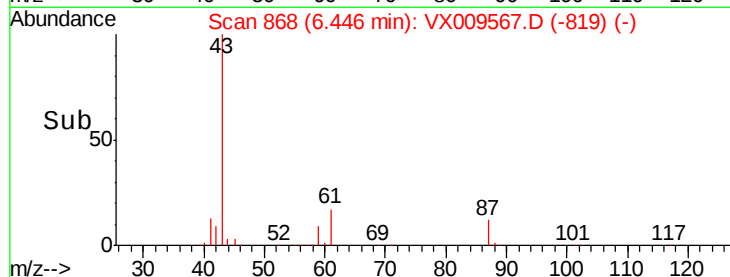
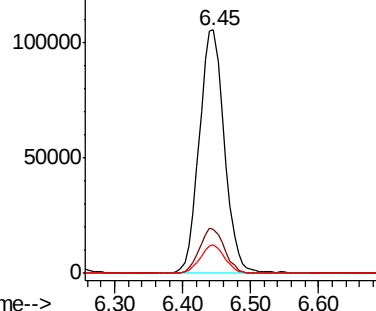
Isopropyl Acetate
 Concen: 52.104 ug/l
 RT: 6.45 min Scan# 868
 Delta R.T. 0.00 min
 Lab File: VX009567.D
 Acq: 14 May 2019 17:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	43	Resp	269552
Ion Ratio	Lower	Upper	
43	100		
61	18.5	15.1	22.7
87	11.4	9.0	13.6



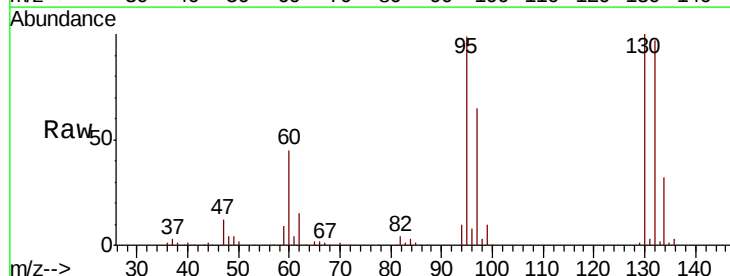
Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 61.00 (60.70 to 61.70): VX0
 Ion 87.00 (86.70 to 87.70): VX0



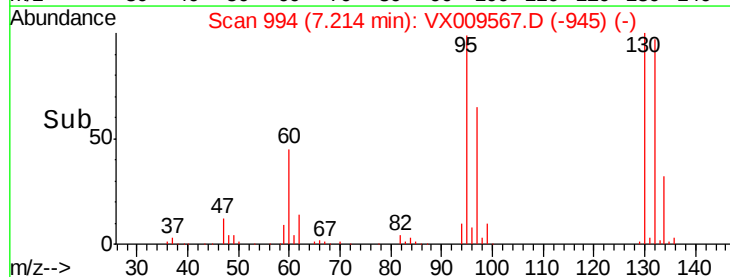
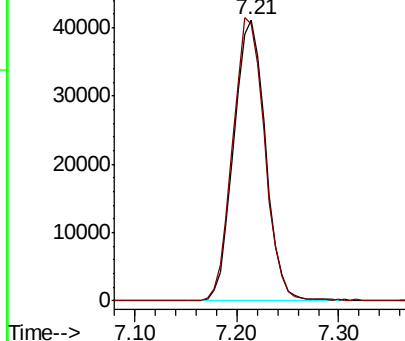
#44

Trichloroethene
 Concen: 50.887 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX009567.D
 Acq: 14 May 2019 17:31

Tgt Ion	130	Resp	88378
Ion Ratio	Lower	Upper	
130	100		
95	98.7	0.0	199.2



Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VX0





#45

1,2-Dichloropropane

Concen: 51.741 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. 0.00 min

Lab File: VX009567.D

Acq: 14 May 2019 17:31

Instrument :

MSVOA_X

ClientSampleId :

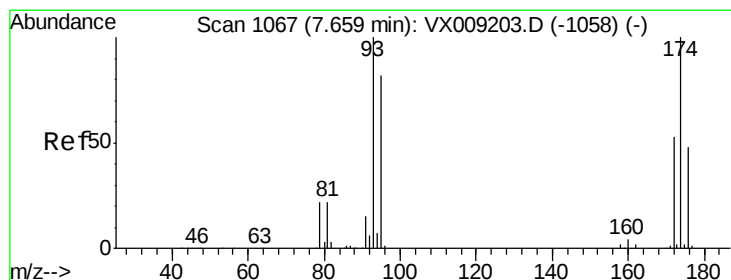
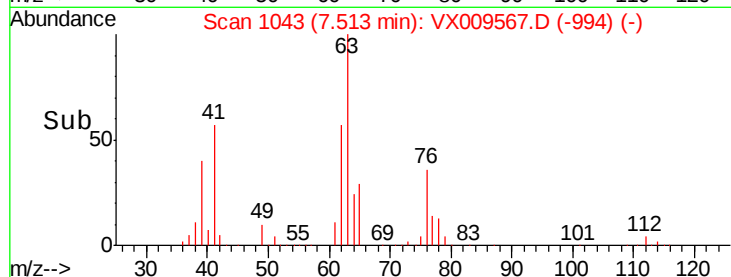
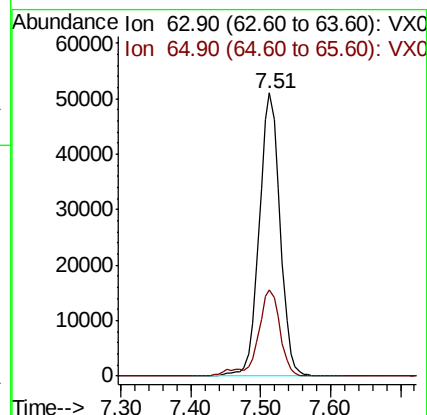
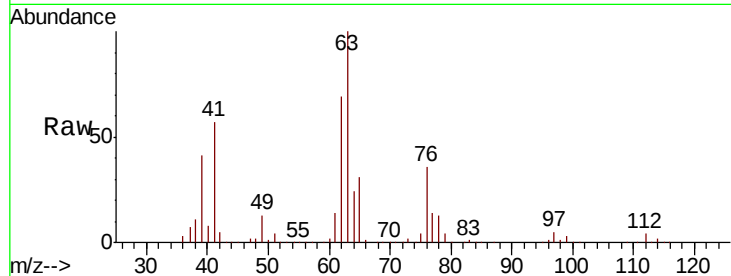
VSTDCCC050EC

Tot Ion: 63 Resp: 105252

Ion Ratio Lower Upper

63 100

65 30.6 25.0 37.6



#46

Dibromomethane

Concen: 51.068 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX009567.D

Acq: 14 May 2019 17:31

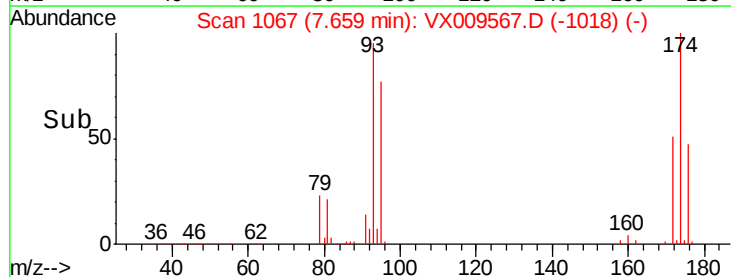
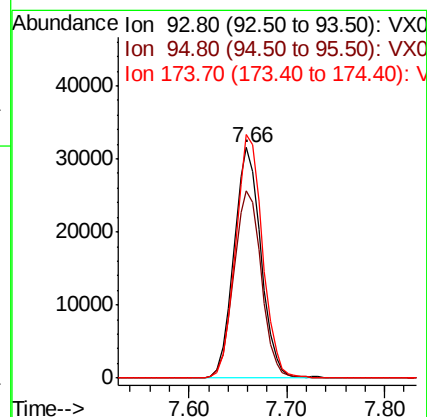
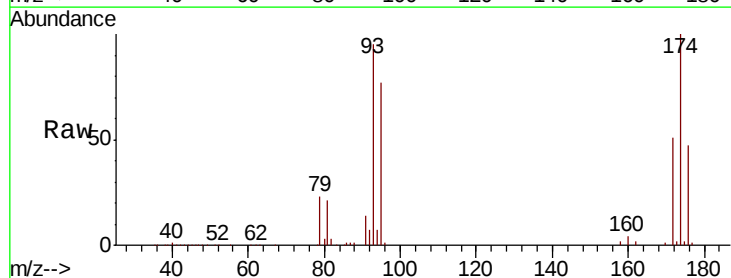
Tgt Ion: 93 Resp: 60326

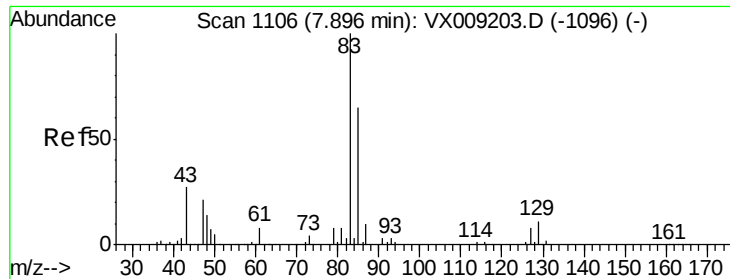
Ion Ratio Lower Upper

93 100

95 83.5 66.5 99.7

174 105.5 82.1 123.1





#47

Bromodichloromethane

Concen: 52.263 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX009567.D

Acq: 14 May 2019 17:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

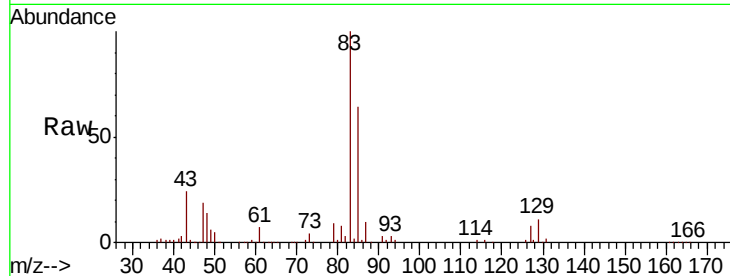
Tot Ion: 83 Resp: 123151

Ion Ratio Lower Upper

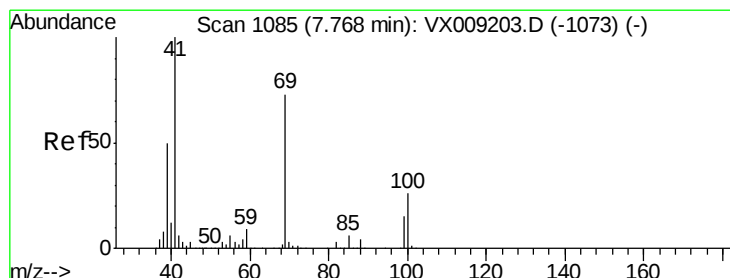
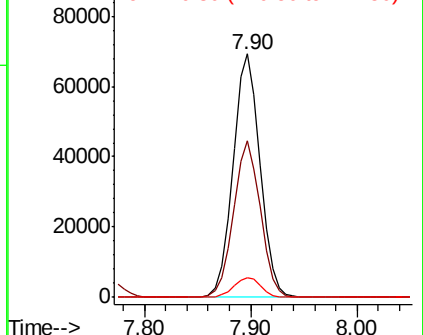
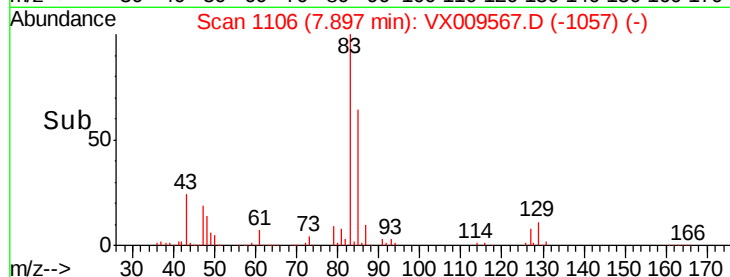
83 100

85 64.2 52.4 78.6

127 8.0 6.6 10.0



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: 53.191 ug/l

RT: 7.77 min Scan# 1085

Delta R.T. 0.00 min

Lab File: VX009567.D

Acq: 14 May 2019 17:31

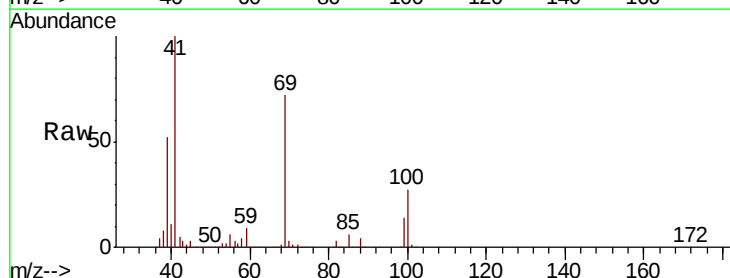
Tgt Ion: 41 Resp: 136522

Ion Ratio Lower Upper

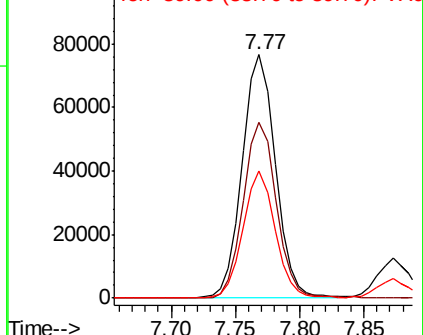
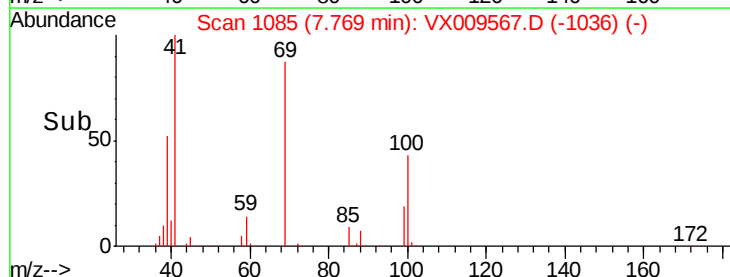
41 100

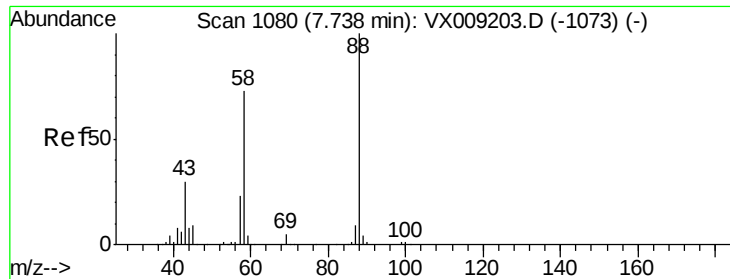
69 72.5 59.1 88.7

39 50.5 40.4 60.6



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: 999.257 ug/l

RT: 7.74 min Scan# 1080

Delta R.T. 0.00 min

Lab File: VX009567.D

Acq: 14 May 2019 17:31

Instrument :

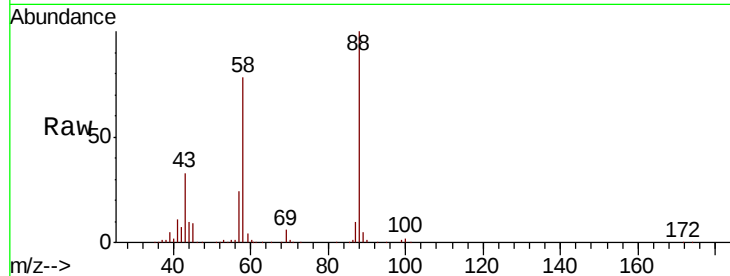
MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 88 Resp: 52012

Ion	Ratio	Lower	Upper
88	100		
43	35.5	28.6	42.8
58	78.5	61.7	92.5

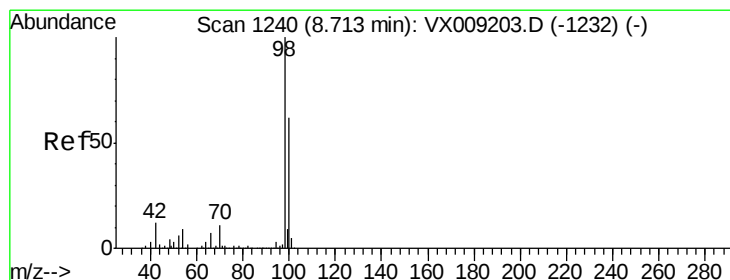
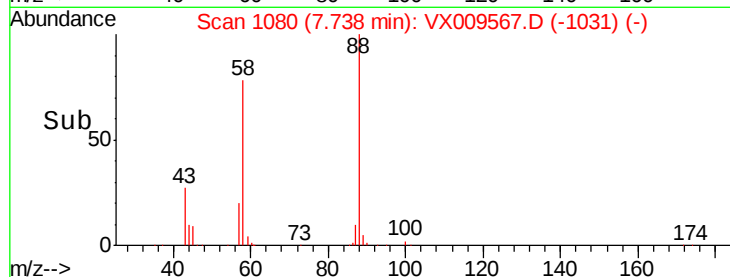
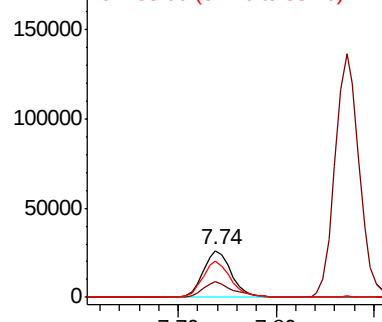


Abundance

Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 45.017 ug/l

RT: 8.71 min Scan# 1240

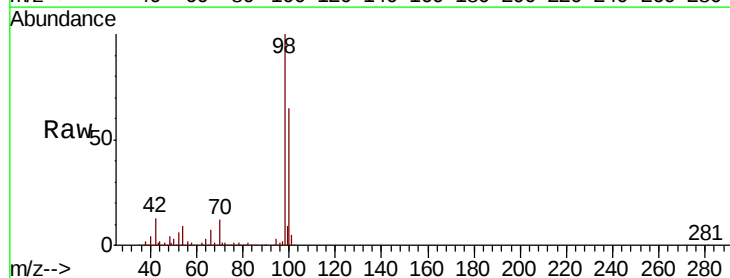
Delta R.T. 0.00 min

Lab File: VX009567.D

Acq: 14 May 2019 17:31

Tgt Ion: 98 Resp: 285387

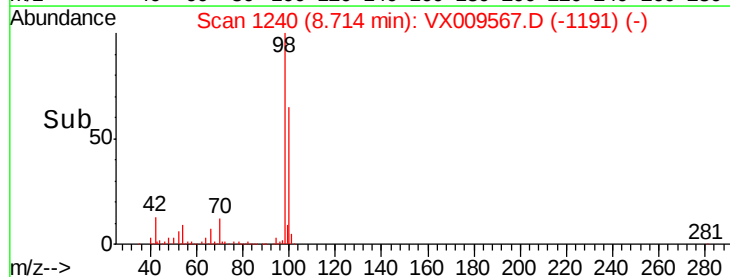
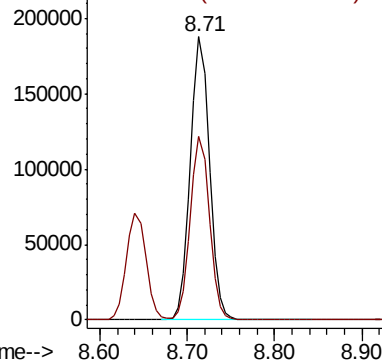
Ion	Ratio	Lower	Upper
98	100		
100	65.1	51.2	76.8

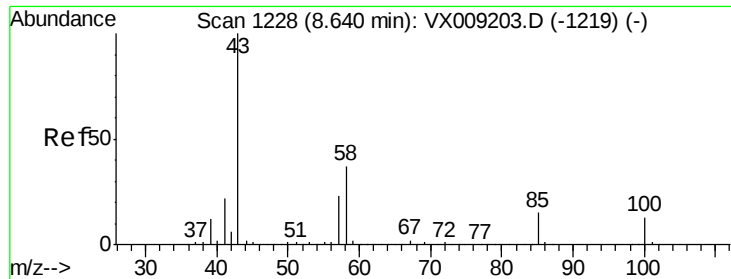


Abundance

Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 264.424 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX009567.D

Acq: 14 May 2019 17:31

Instrument :

MSVOA_X

ClientSampleId :

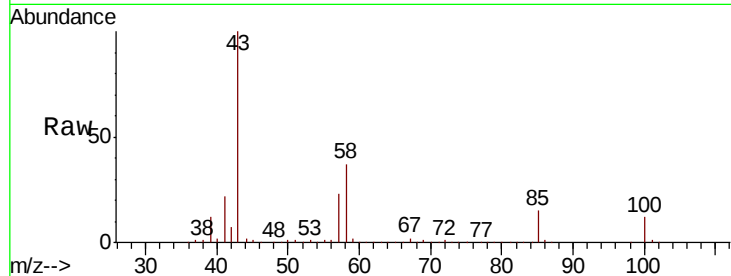
VSTDCCC050EC

Tot Ion: 43 Resp: 894123

Ion Ratio Lower Upper

43 100

58 36.7 29.5 44.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.64

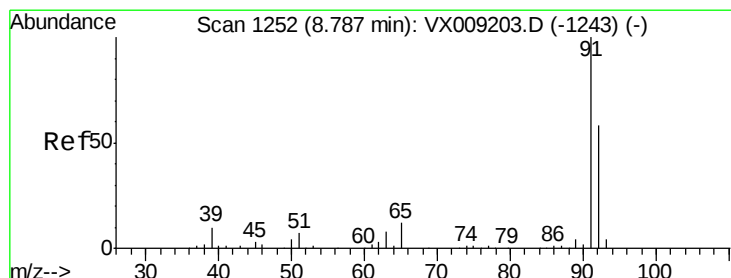
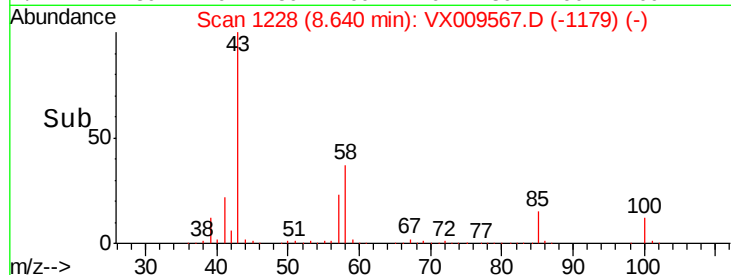
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 52.149 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX009567.D

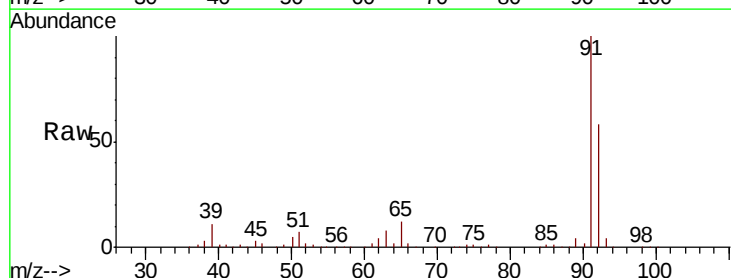
Acq: 14 May 2019 17:31

Tgt Ion: 92 Resp: 227734

Ion Ratio Lower Upper

92 100

91 172.4 138.8 208.2



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.78

300000

250000

200000

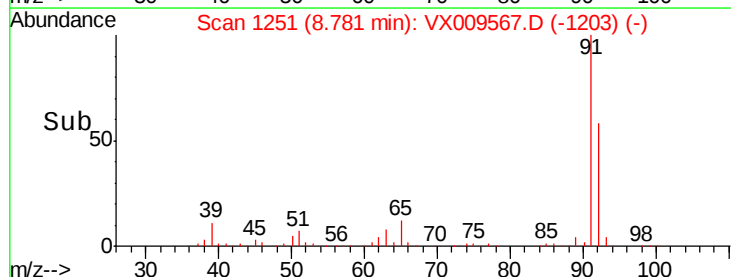
150000

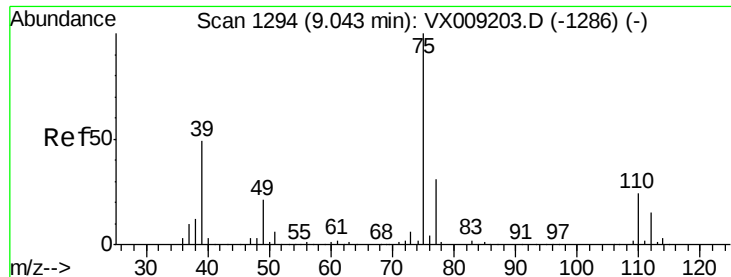
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 53.898 ug/l

RT: 9.04 min Scan# 1293

Delta R.T. -0.01 min

Lab File: VX009567.D

Acq: 14 May 2019 17:31

Instrument :

MSVOA_X

ClientSampleId :

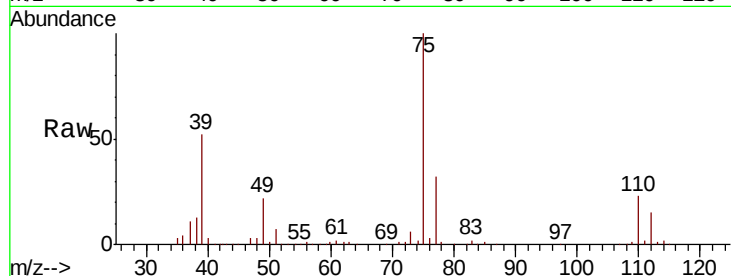
VSTDCCC050EC

Tot Ion: 75 Resp: 143387

Ion Ratio Lower Upper

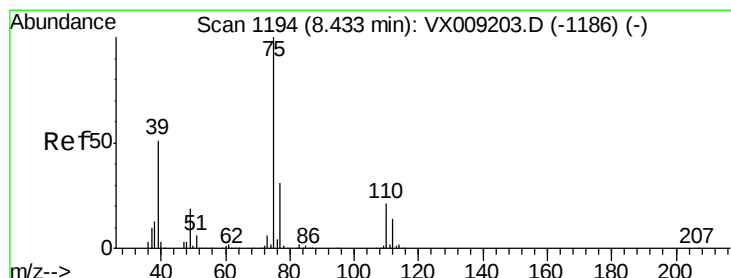
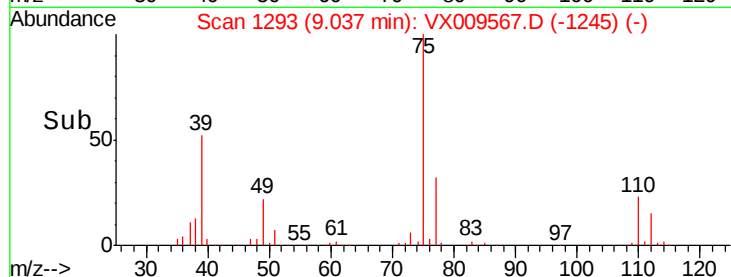
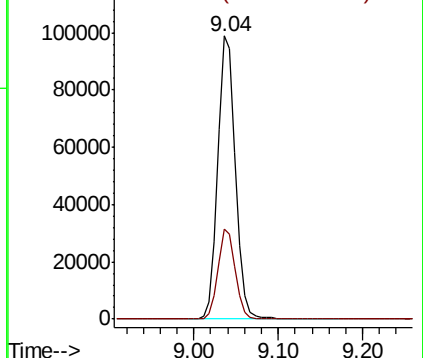
75 100

77 32.0 25.0 37.6



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#54

cis-1,3-Dichloropropene

Concen: 53.572 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. 0.00 min

Lab File: VX009567.D

Acq: 14 May 2019 17:31

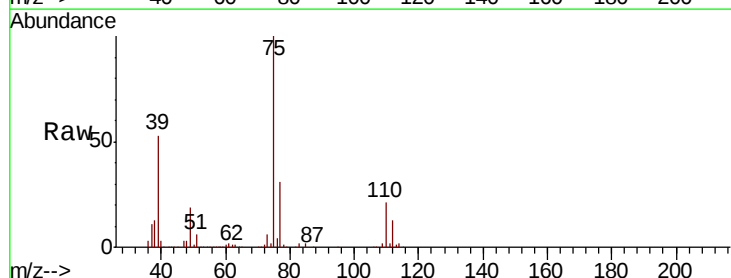
Tgt Ion: 75 Resp: 157748

Ion Ratio Lower Upper

75 100

77 30.6 24.6 36.8

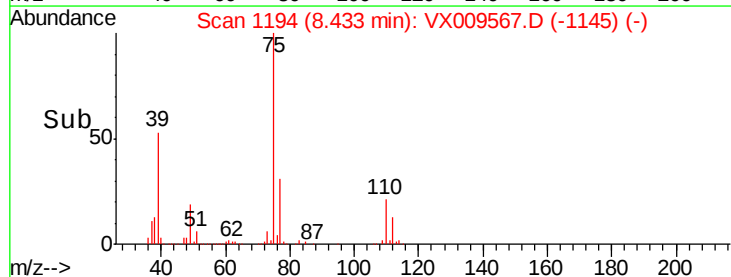
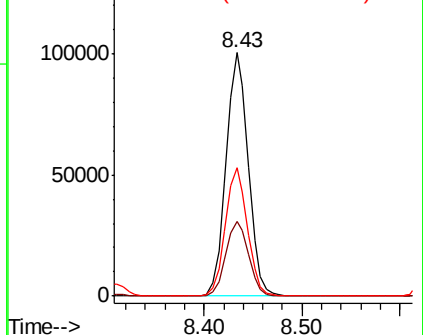
39 52.8 40.6 60.8

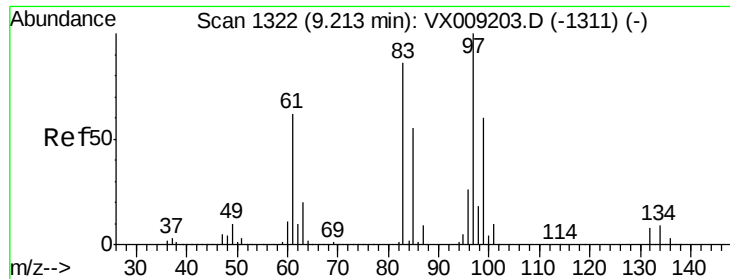


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0





#55

1,1,2-Trichloroethane

Concen: 51.215 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VX009567.D

Acq: 14 May 2019 17:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 97 Resp: 91245

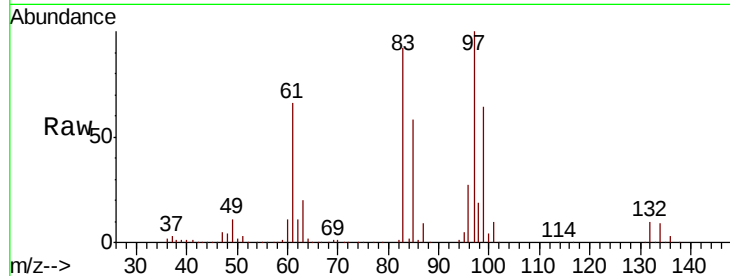
Ion Ratio Lower Upper

97 100

83 91.6 68.9 103.3

85 57.7 43.8 65.6

99 63.6 48.2 72.2

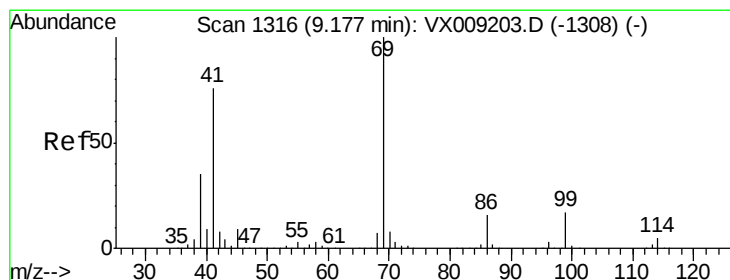
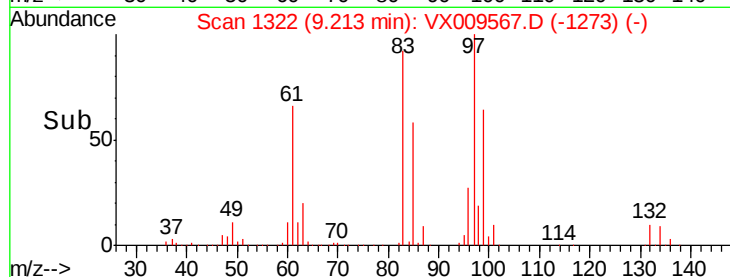
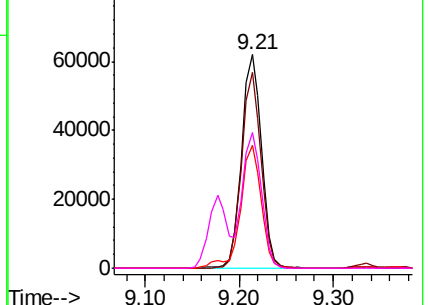


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56

Ethyl methacrylate

Concen: 53.078 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VX009567.D

Acq: 14 May 2019 17:31

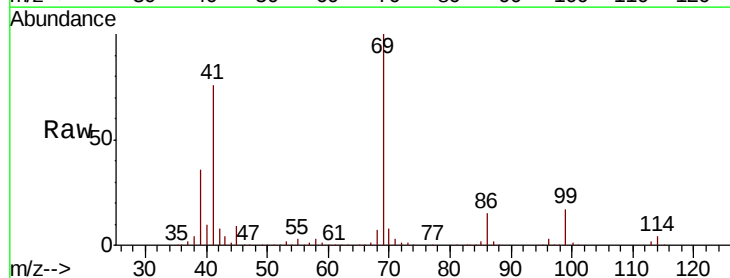
Tgt Ion: 69 Resp: 168802

Ion Ratio Lower Upper

69 100

41 75.6 60.6 90.8

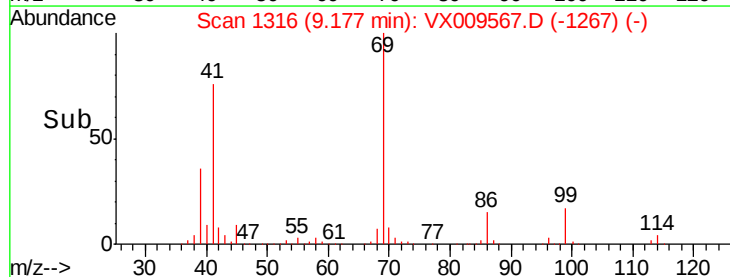
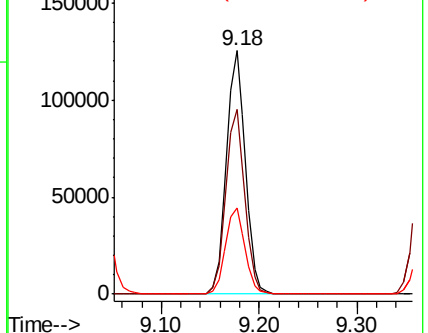
39 36.1 28.2 42.4

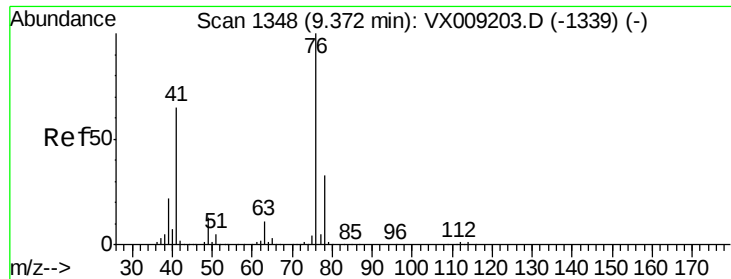


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 51.803 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX009567.D

Acq: 14 May 2019 17:31

Instrument :

MSVOA_X

ClientSampleId :

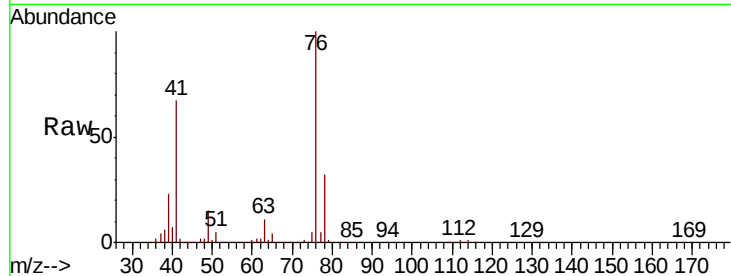
VSTDCCC050EC

Tot Ion: 76 Resp: 162410

Ion Ratio Lower Upper

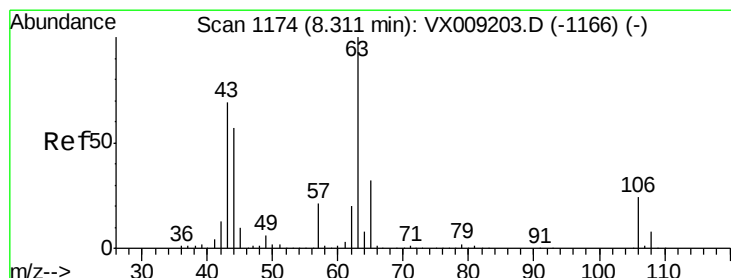
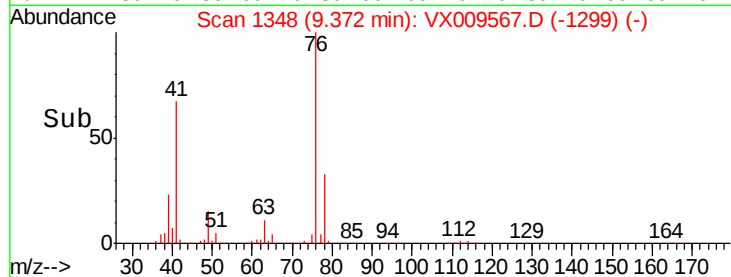
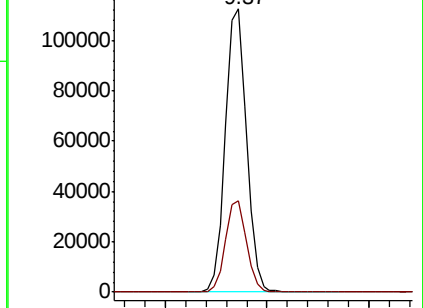
76 100

78 32.2 25.5 38.3



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 232.746 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX009567.D

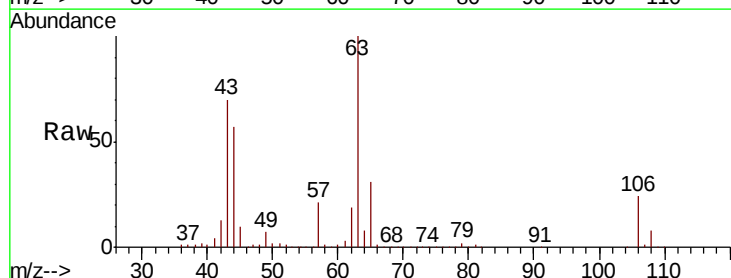
Acq: 14 May 2019 17:31

Tgt Ion: 63 Resp: 392668

Ion Ratio Lower Upper

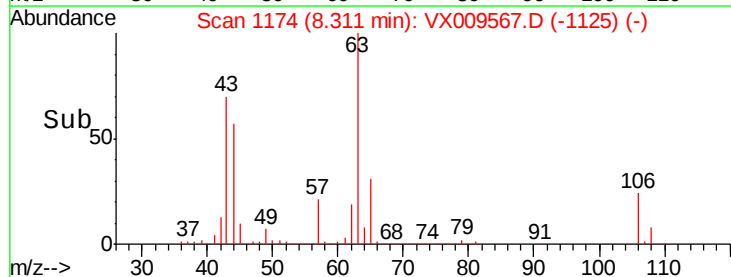
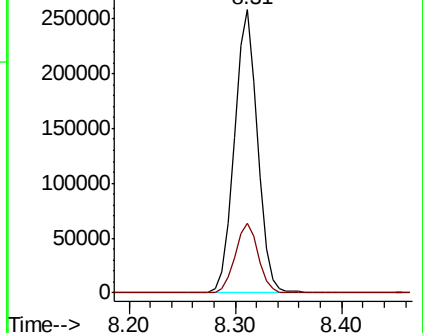
63 100

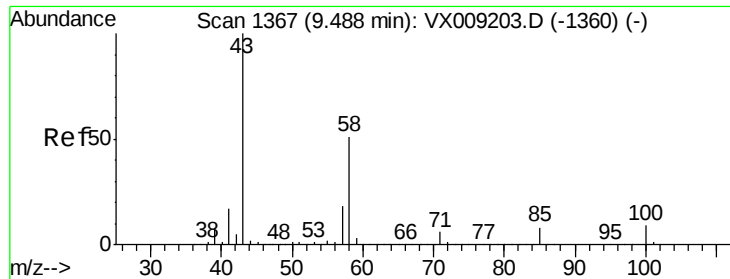
106 24.8 19.7 29.5



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

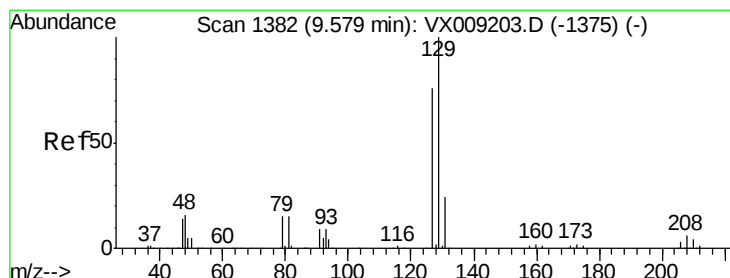
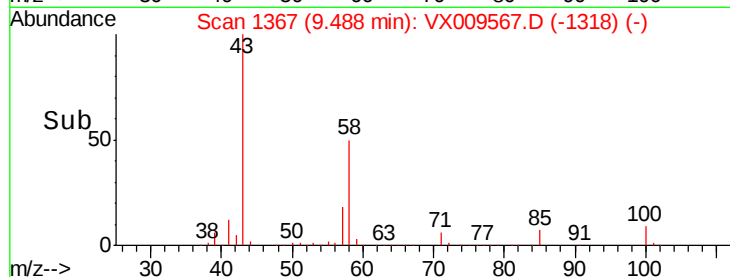
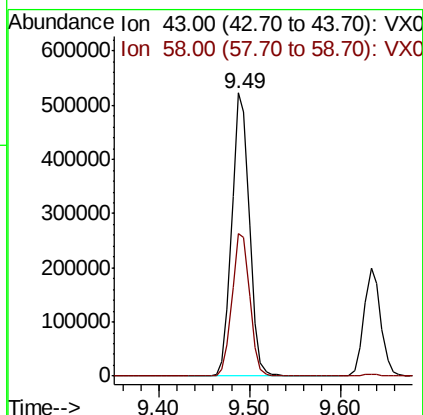
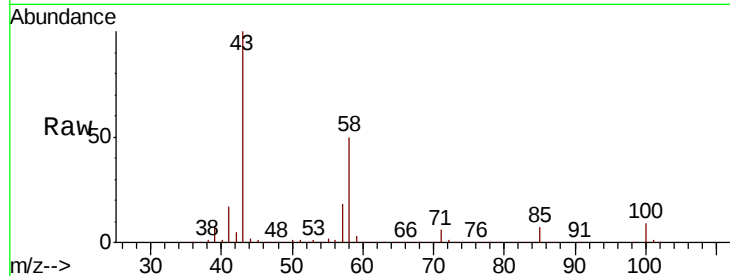




#59
2-Hexanone
Concen: 263.807 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX009567.D
Acq: 14 May 2019 17:31

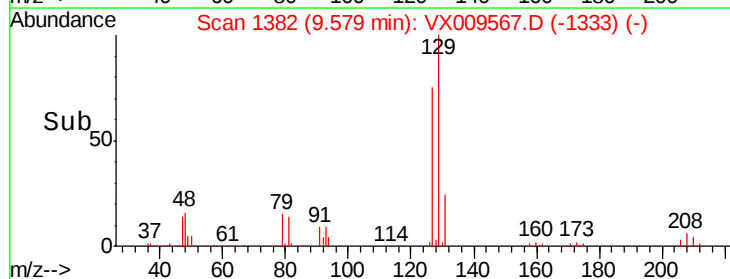
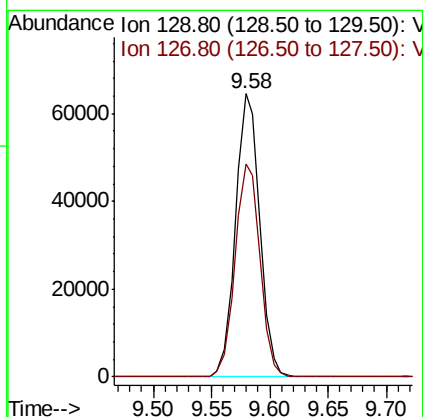
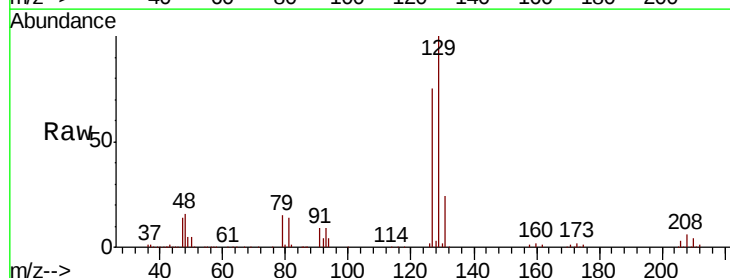
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

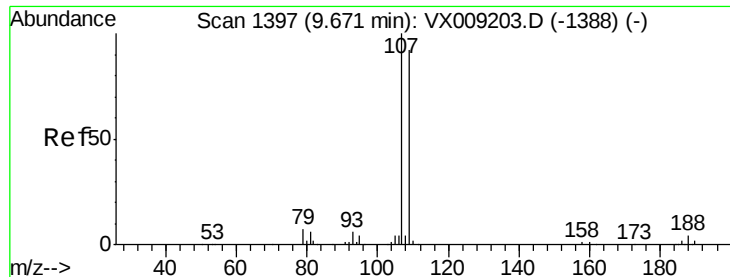
Tot Ion: 43 Resp: 700594
Ion Ratio Lower Upper
43 100
58 51.2 25.9 77.7



#60
Dibromochloromethane
Concen: 53.745 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX009567.D
Acq: 14 May 2019 17:31

Tgt Ion: 129 Resp: 93520
Ion Ratio Lower Upper
129 100
127 77.4 38.4 115.1





#61

1,2-Dibromoethane

Concen: 52.426 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX009567.D

Acq: 14 May 2019 17:31

Instrument :

MSVOA_X

ClientSampleId :

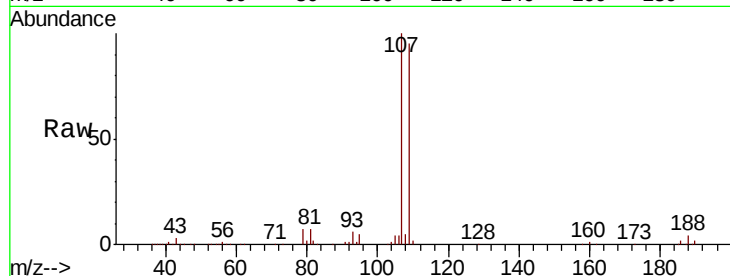
VSTDCCC050EC

Tot Ion:107 Resp: 94283

Ion Ratio Lower Upper

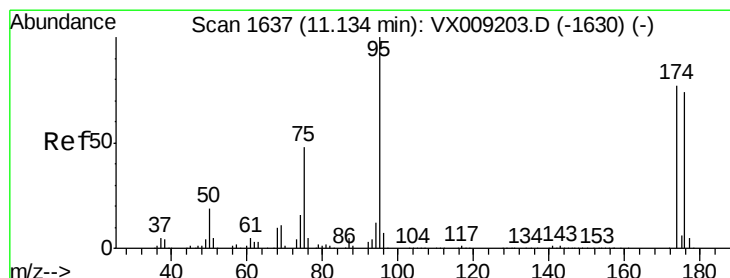
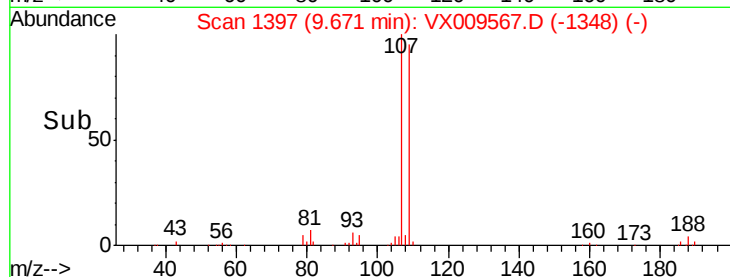
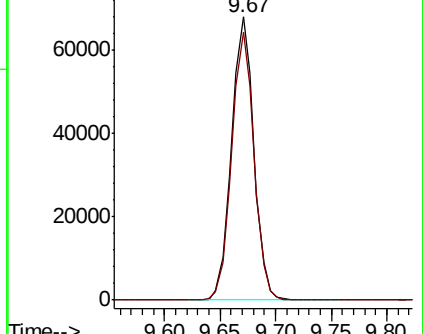
107 100

109 94.7 75.2 112.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 46.363 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009567.D

Acq: 14 May 2019 17:31

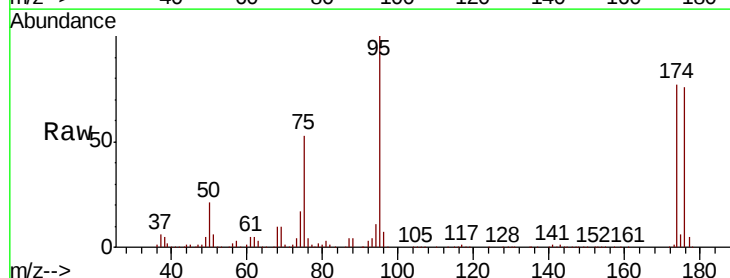
Tgt Ion: 95 Resp: 106799

Ion Ratio Lower Upper

95 100

174 82.0 0.0 161.6

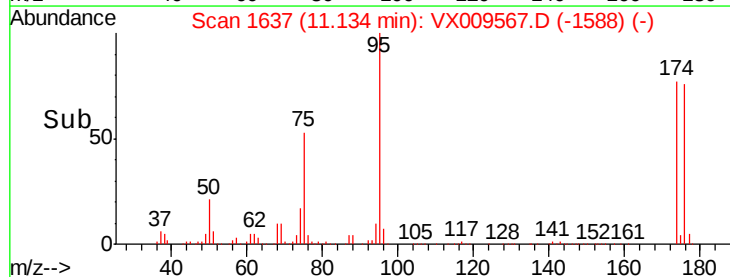
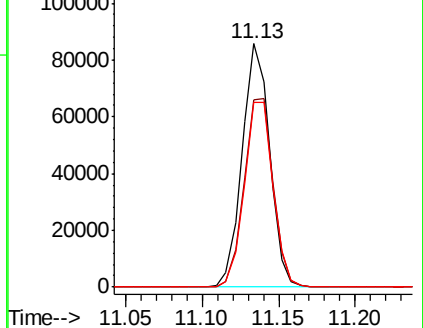
176 80.0 0.0 159.2

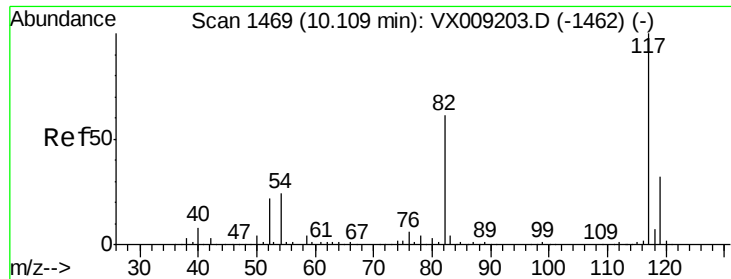


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

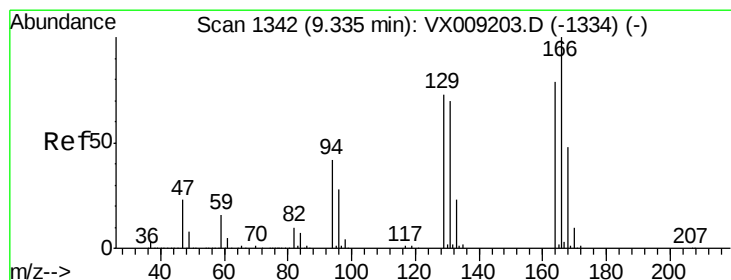
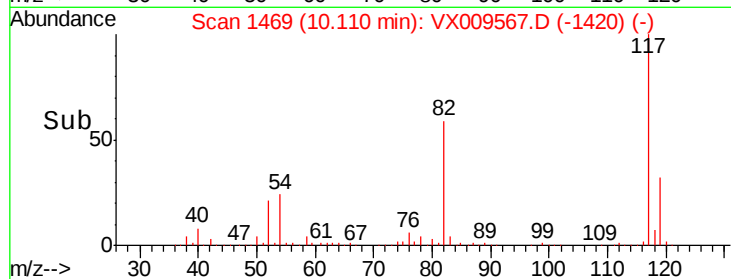
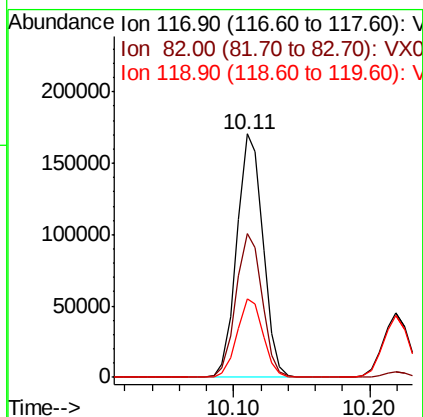
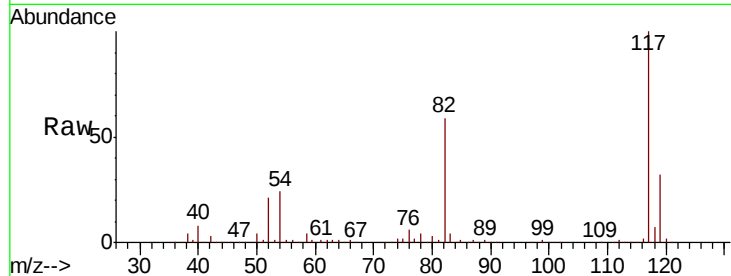




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009567.D
Acq: 14 May 2019 17:31

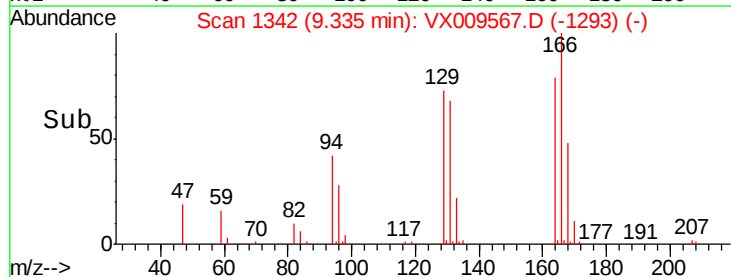
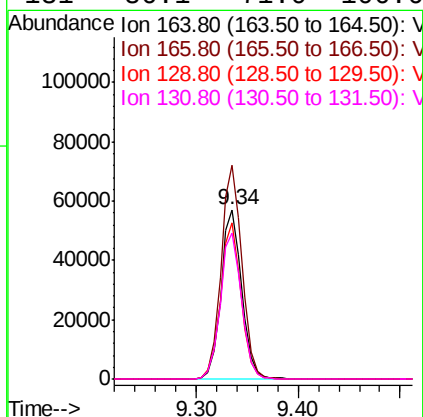
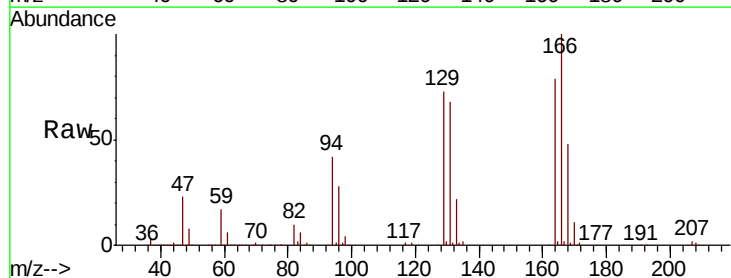
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

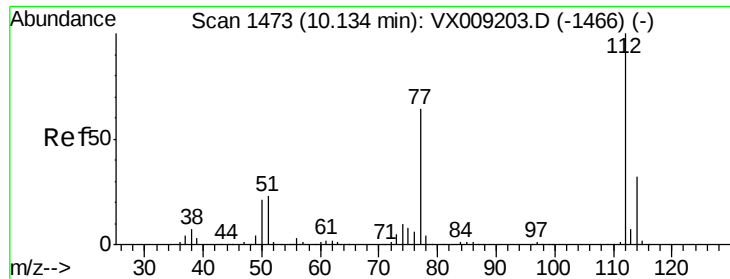
Tot Ion:117 Resp: 227848
Ion Ratio Lower Upper
117 100
82 59.3 48.8 73.2
119 32.5 25.8 38.6



#64
Tetrachloroethene
Concen: 51.277 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX009567.D
Acq: 14 May 2019 17:31

Tgt Ion:164 Resp: 80142
Ion Ratio Lower Upper
164 100
166 126.1 101.2 151.8
129 92.5 74.3 111.5
131 86.1 71.0 106.6

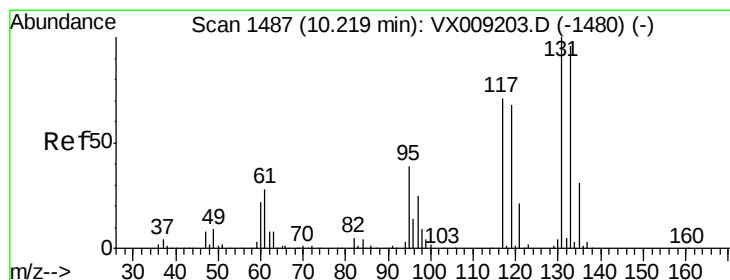
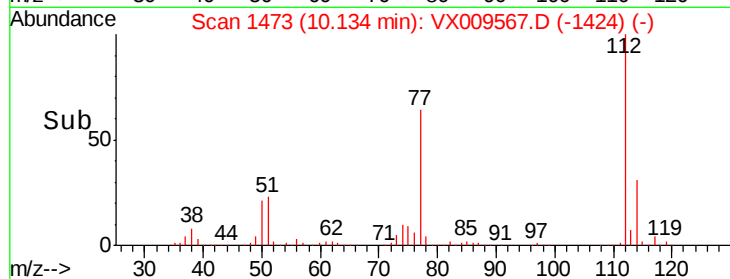
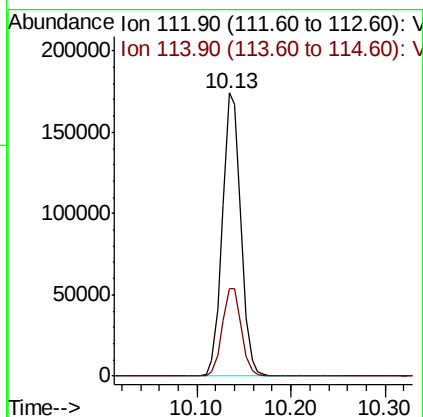
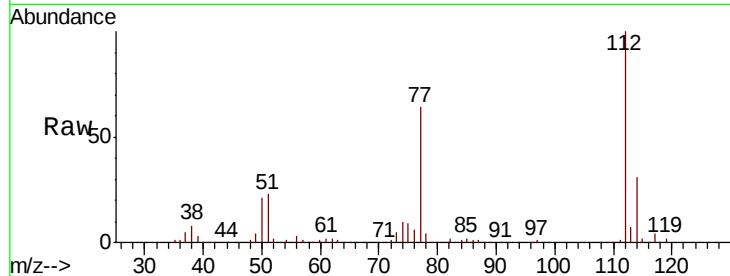




#65
Chlorobenzene
Concen: 51.745 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VX009567.D
Acq: 14 May 2019 17:31

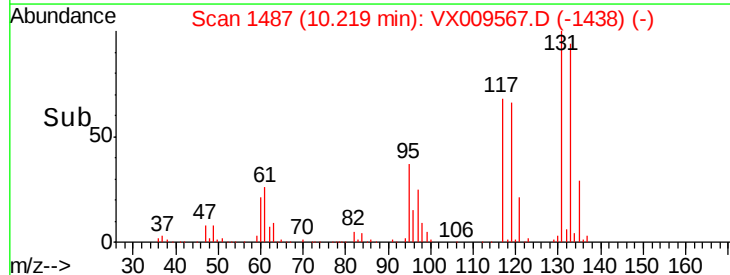
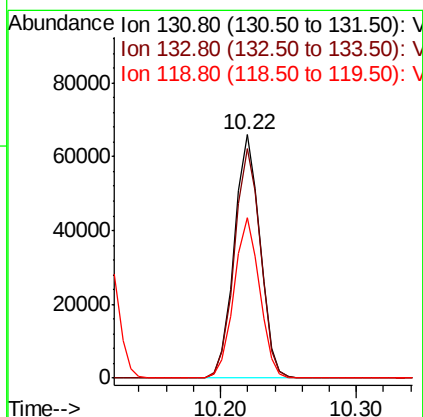
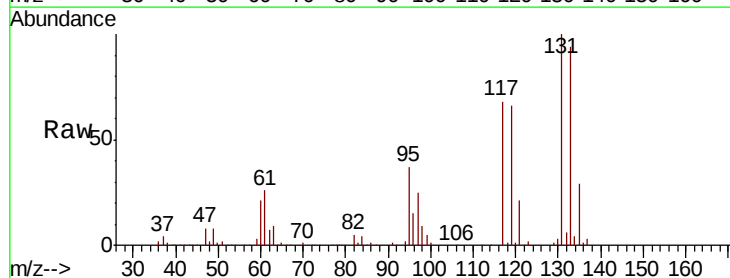
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

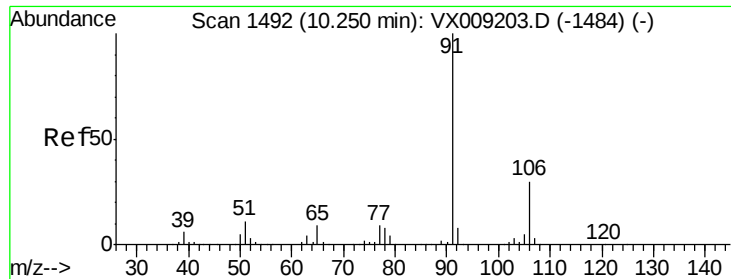
Tot Ion:112 Resp: 235851
Ion Ratio Lower Upper
112 100
114 31.0 25.5 38.3



#66
1,1,1,2-Tetrachloroethane
Concen: 52.692 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX009567.D
Acq: 14 May 2019 17:31

Tgt Ion:131 Resp: 87071
Ion Ratio Lower Upper
131 100
133 95.2 47.7 143.1
119 65.7 33.5 100.4

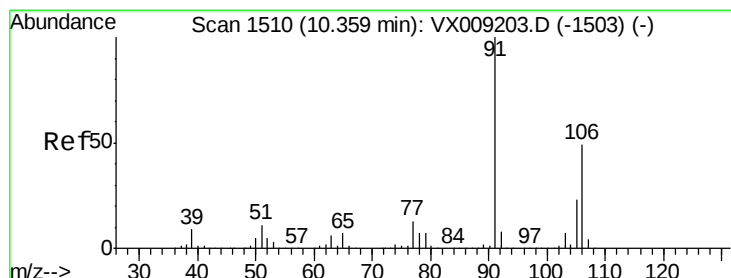
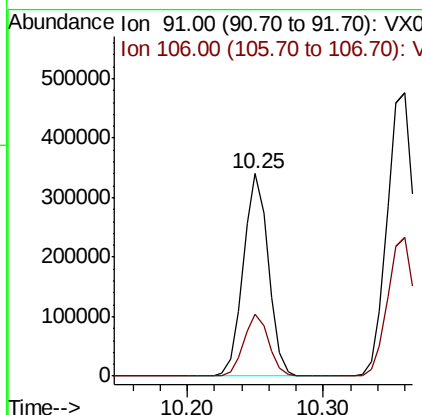
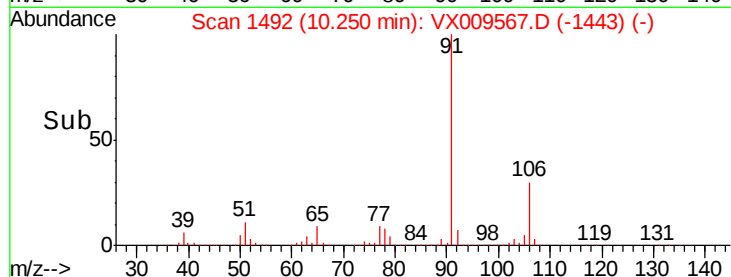
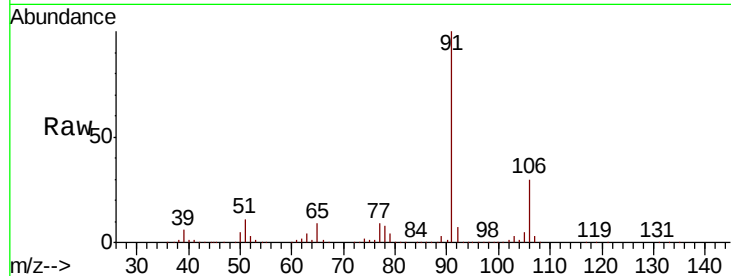




#67
Ethyl Benzene
Concen: 52.141 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX009567.D
Acq: 14 May 2019 17:31

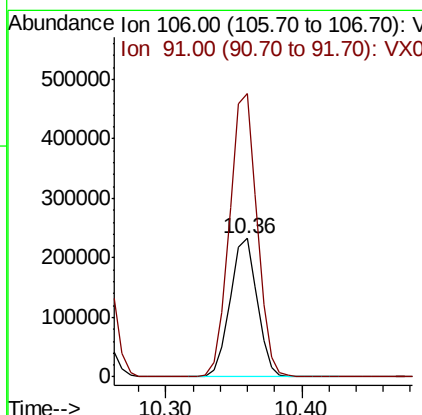
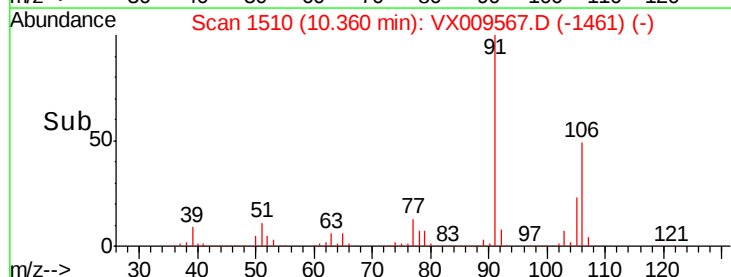
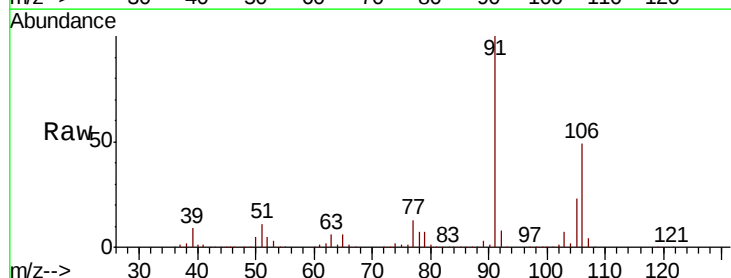
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

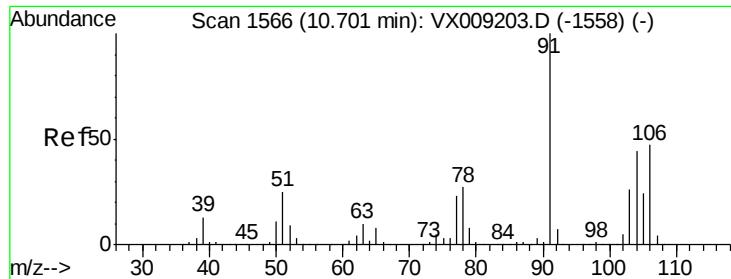
Tot Ion: 91 Resp: 437380
Ion Ratio Lower Upper
91 100
106 30.4 24.0 36.0



#68
m/p-Xylenes
Concen: 105.038 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX009567.D
Acq: 14 May 2019 17:31

Tgt Ion: 106 Resp: 321983
Ion Ratio Lower Upper
106 100
91 207.3 164.0 246.0

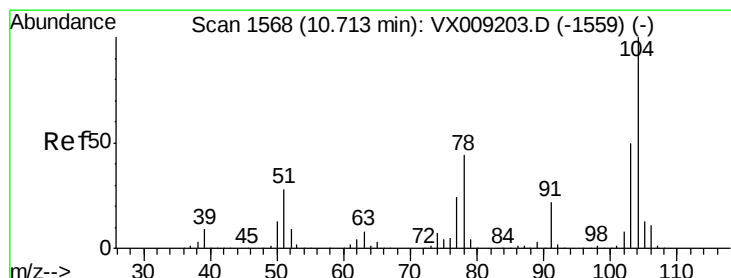
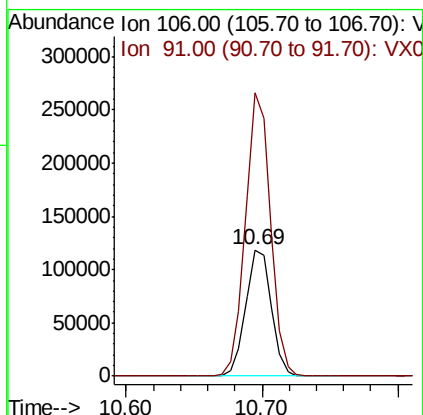
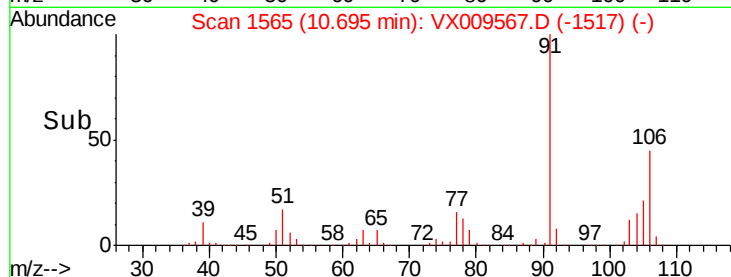
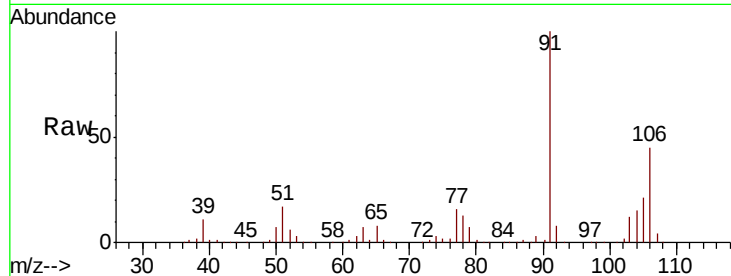




#69
o-Xylene
Concen: 52.010 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX009567.D
Acq: 14 May 2019 17:31

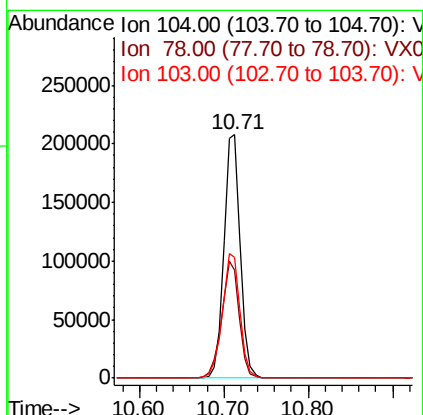
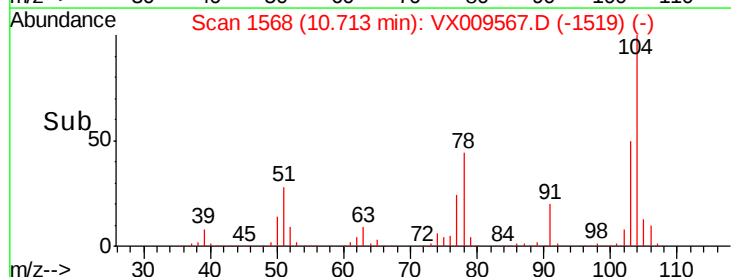
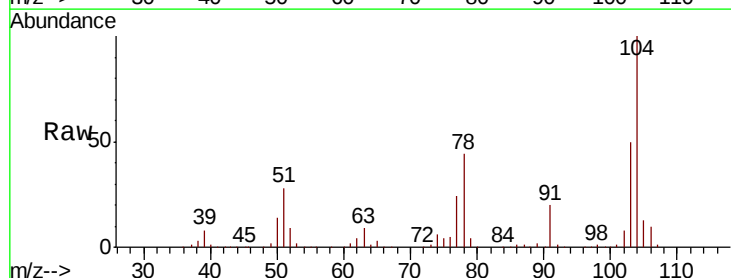
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 157304
Ion Ratio Lower Upper
106 100
91 217.9 109.5 328.4



#70
Styrene
Concen: 52.859 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX009567.D
Acq: 14 May 2019 17:31

Tgt Ion:104 Resp: 277865
Ion Ratio Lower Upper
104 100
78 51.3 41.0 61.4
103 55.2 43.8 65.6

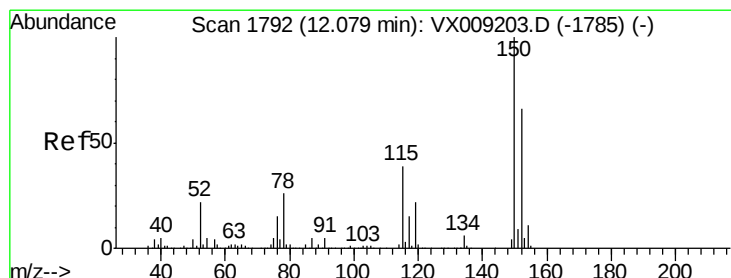
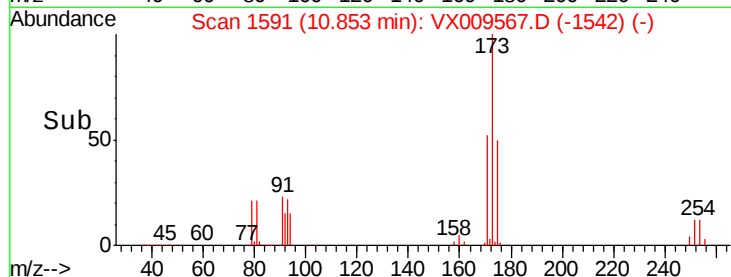
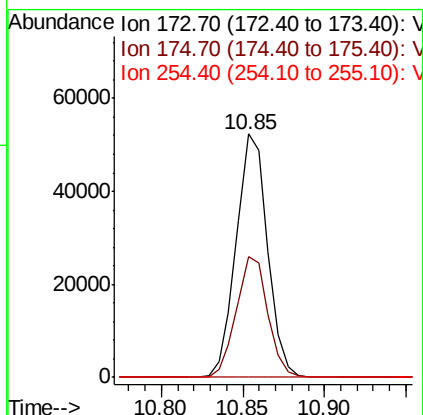
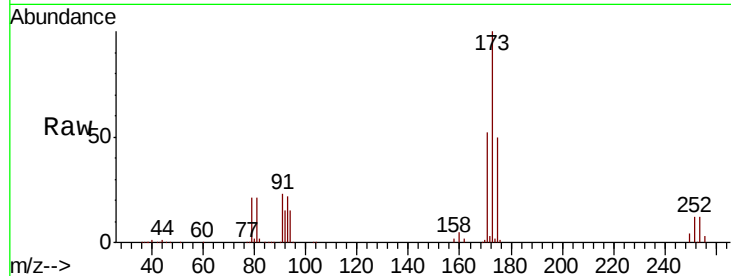




#71
Bromoform
Concen: 52.359 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. 0.00 min
Lab File: VX009567.D
Acq: 14 May 2019 17:31

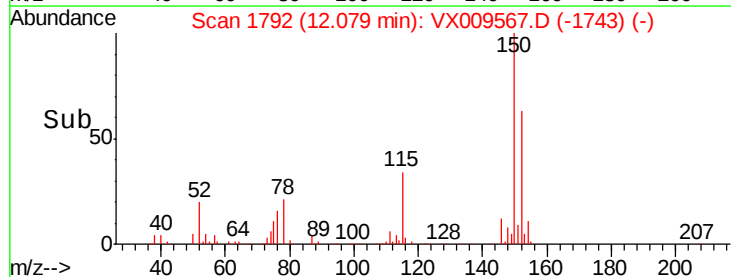
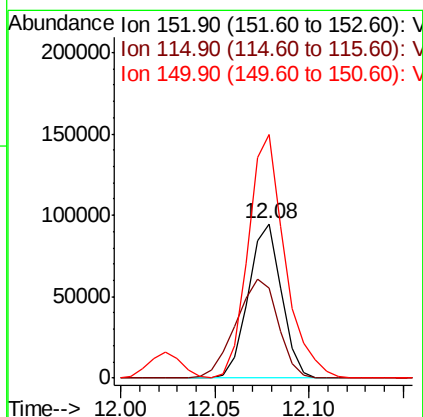
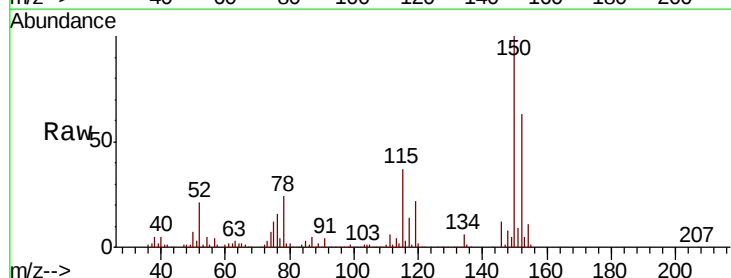
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

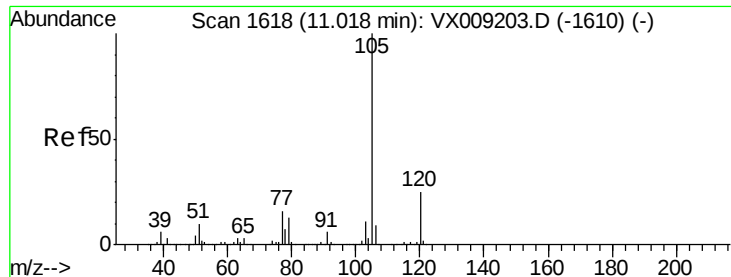
Tot Ion:173 Resp: 70312
Ion Ratio Lower Upper
173 100
175 50.1 24.5 73.5
254 0.1 0.1 0.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX009567.D
Acq: 14 May 2019 17:31

Tgt Ion:152 Resp: 115572
Ion Ratio Lower Upper
152 100
115 82.1 41.2 123.6
150 174.5 0.0 346.4





#73

Isopropylbenzene

Concen: 50.020 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX009567.D

Acq: 14 May 2019 17:31

Instrument :

MSVOA_X

ClientSampleId :

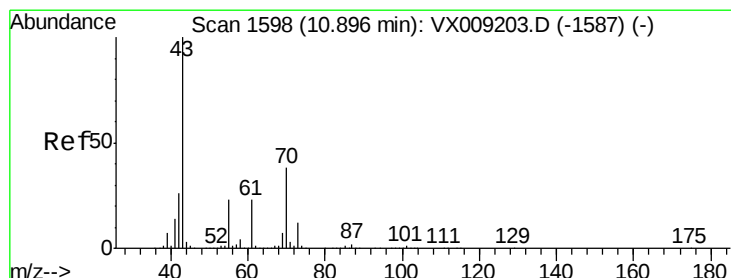
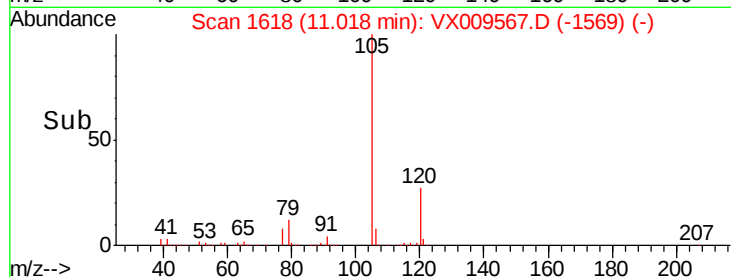
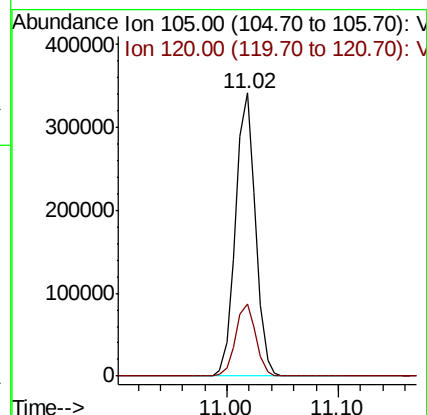
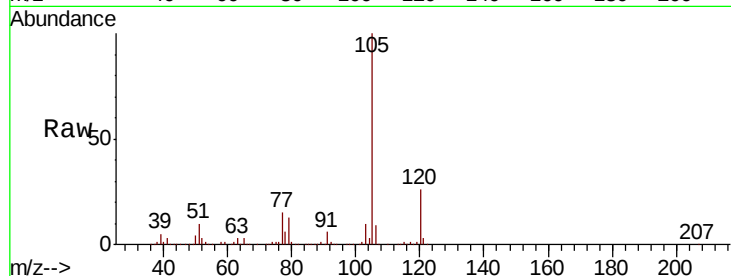
VSTDCCC050EC

Tot Ion:105 Resp: 420378

Ion Ratio Lower Upper

105 100

120 25.9 12.8 38.3



#74

N-ethyl acetate

Concen: 50.919 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX009567.D

Acq: 14 May 2019 17:31

Tgt Ion: 43 Resp: 249493

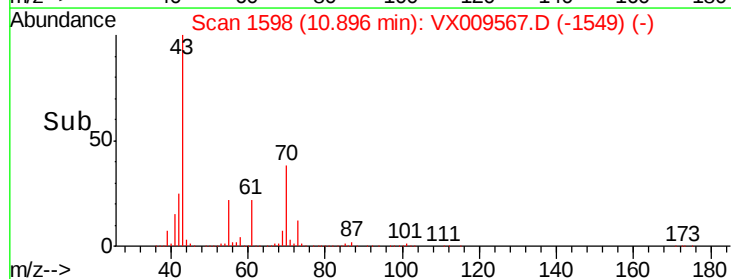
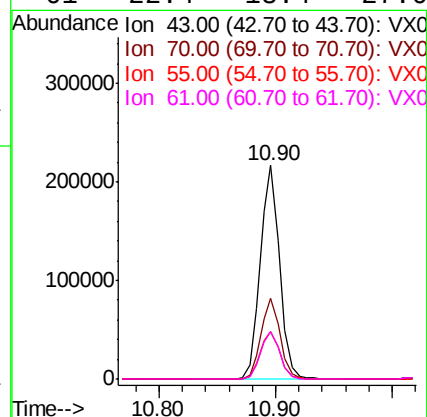
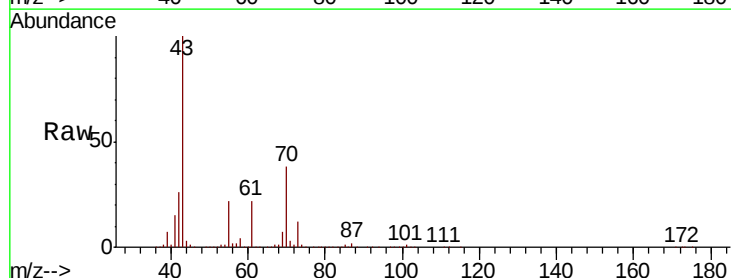
Ion Ratio Lower Upper

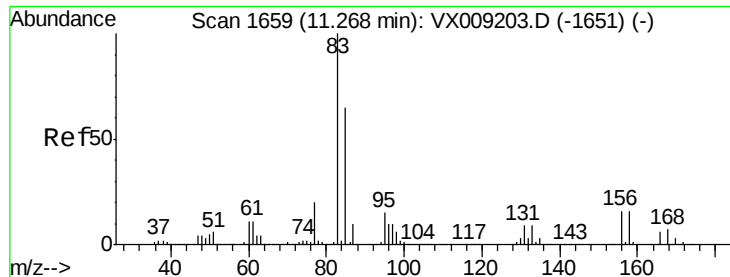
43 100

70 37.5 30.0 45.0

55 22.9 17.9 26.9

61 22.4 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 49.744 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX009567.D

Acq: 14 May 2019 17:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

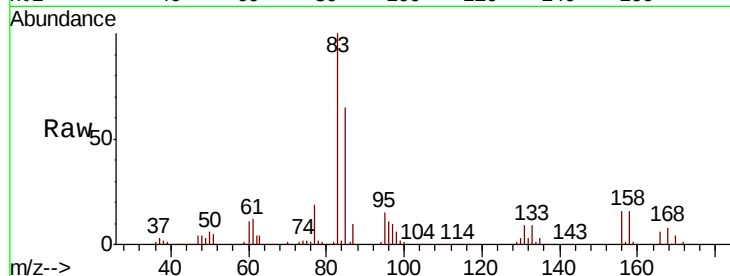
Tot Ion: 83 Resp: 155846

Ion Ratio Lower Upper

83 100

131 9.4 4.6 13.8

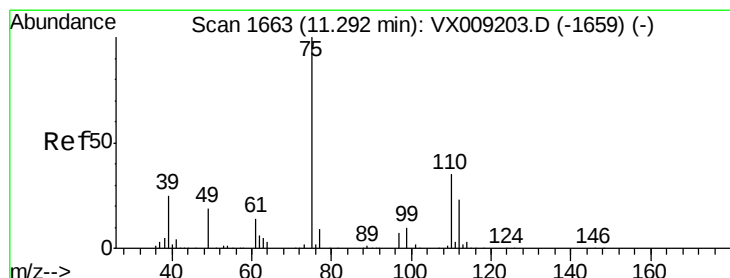
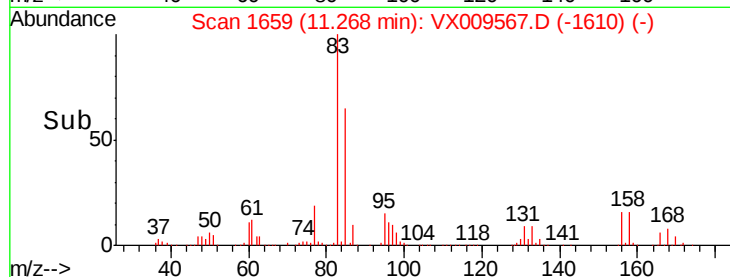
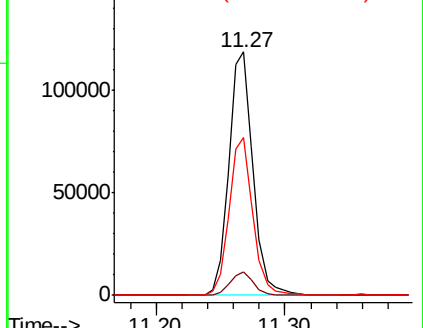
85 63.9 32.0 96.2



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: 69.610 ug/l

RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

Lab File: VX009567.D

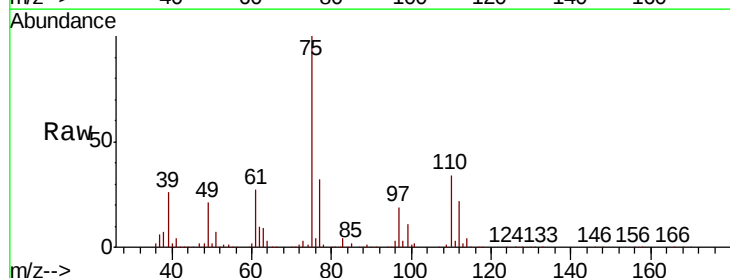
Acq: 14 May 2019 17:31

Tgt Ion: 75 Resp: 186613

Ion Ratio Lower Upper

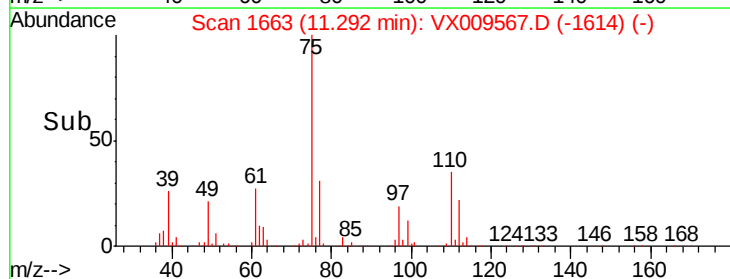
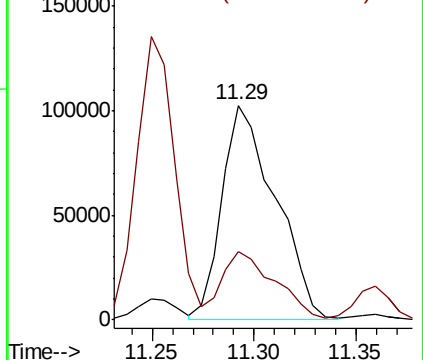
75 100

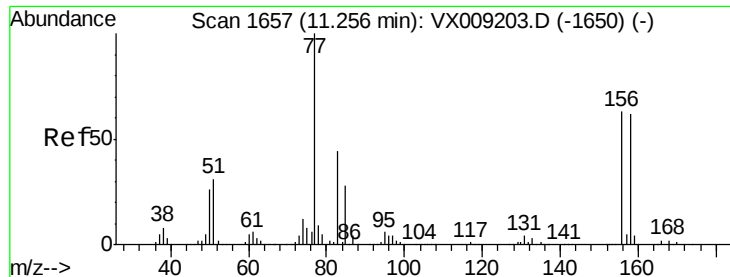
77 31.6 22.1 66.1



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 50.582 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX009567.D

Acq: 14 May 2019 17:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

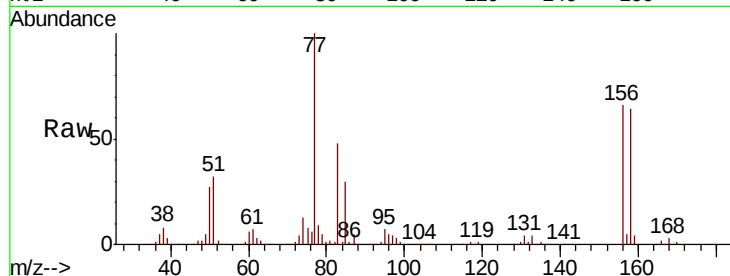
Tot Ion:156 Resp: 105513

Ion Ratio Lower Upper

156 100

77 166.6 84.8 254.3

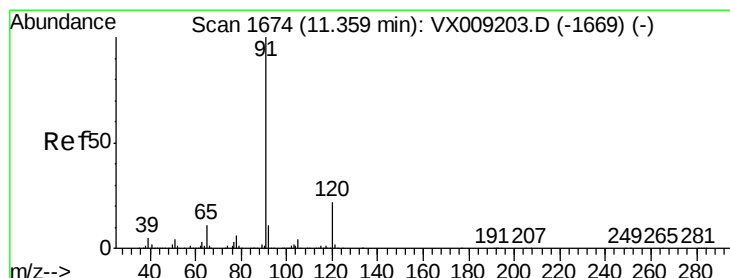
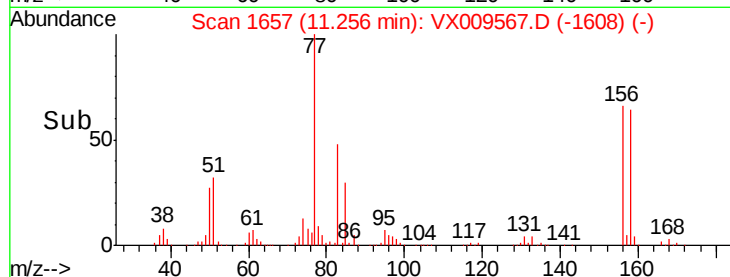
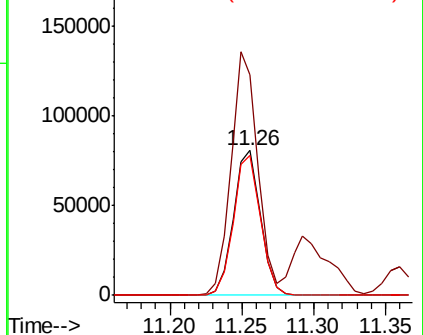
158 96.9 49.1 147.3



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: 51.039 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX009567.D

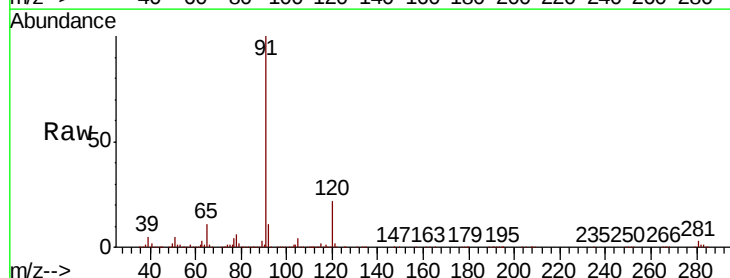
Acq: 14 May 2019 17:31

Tgt Ion: 91 Resp: 489877

Ion Ratio Lower Upper

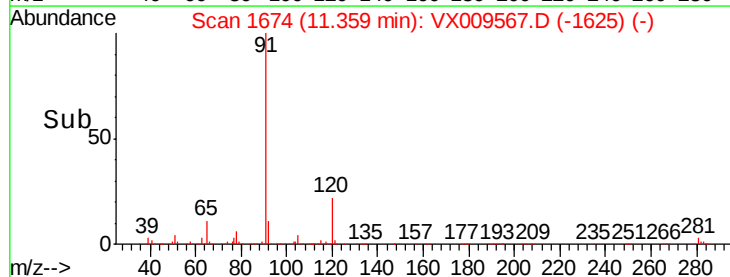
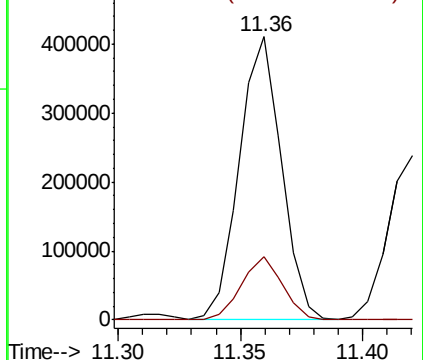
91 100

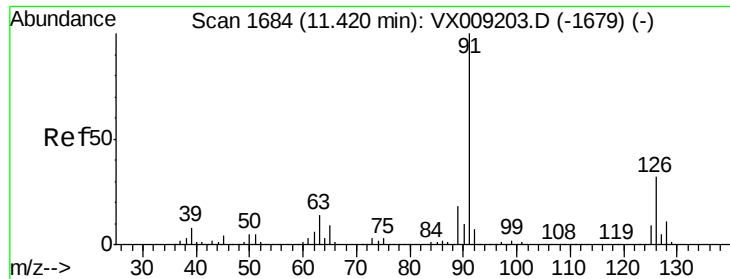
120 22.1 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

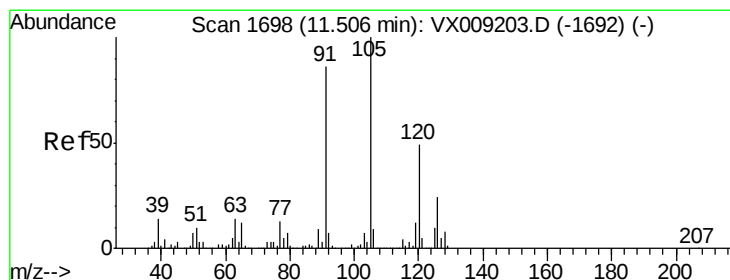
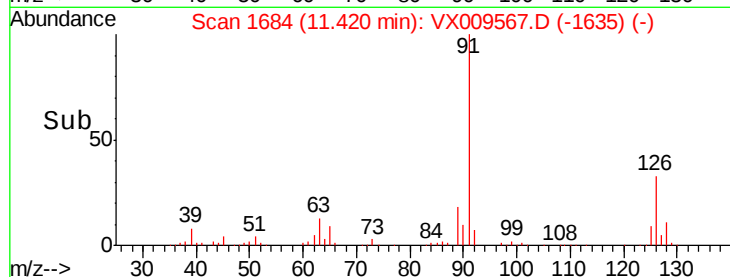
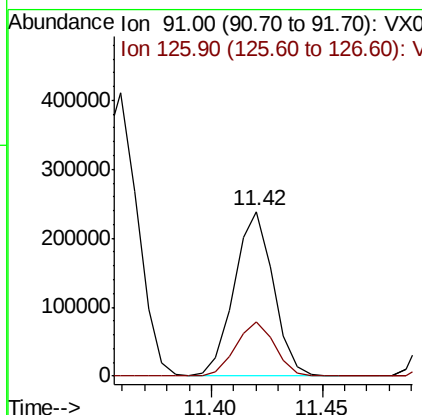
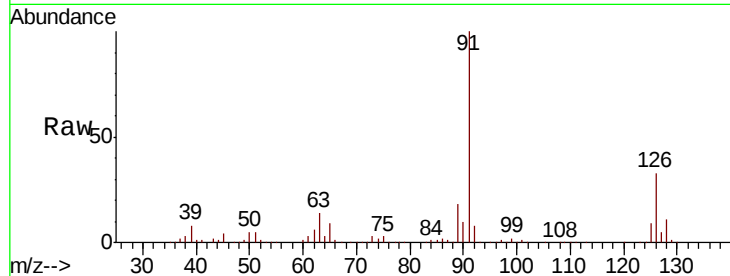




#79
 2-Chlorotoluene
 Concen: 49.072 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. 0.00 min
 Lab File: VX009567.D
 Acq: 14 May 2019 17:31

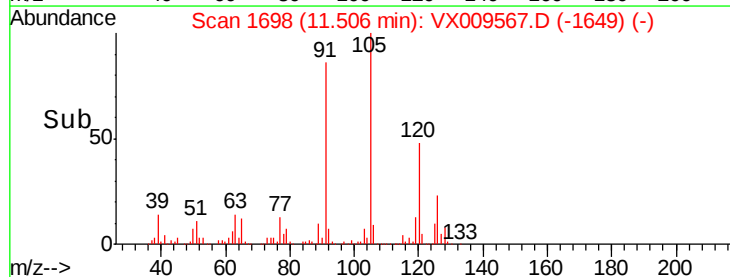
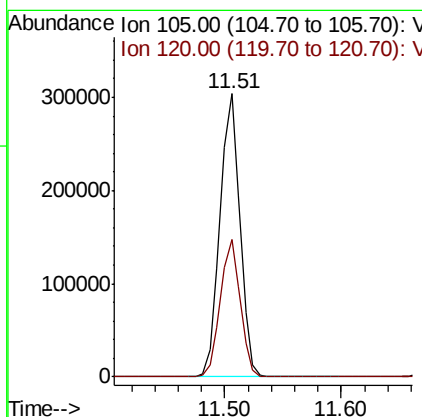
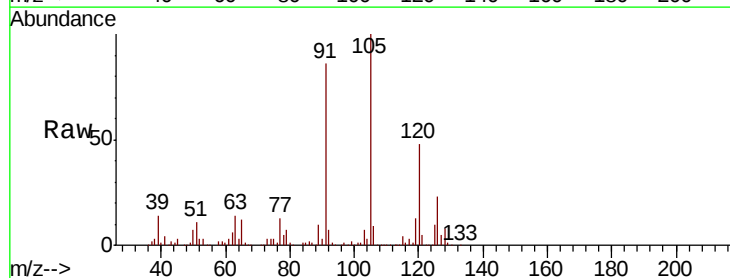
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

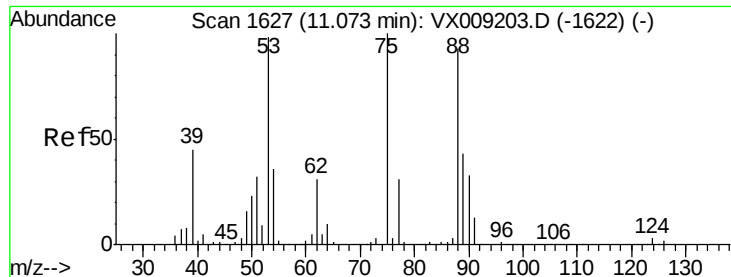
Tot Ion: 91 Resp: 290583
 Ion Ratio Lower Upper
 91 100
 126 33.1 16.3 48.9



#80
 1,3,5-Trimethylbenzene
 Concen: 50.677 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX009567.D
 Acq: 14 May 2019 17:31

Tgt Ion: 105 Resp: 358609
 Ion Ratio Lower Upper
 105 100
 120 48.4 24.3 72.9





#81

trans-1,4-Dichloro-2-butene

Concen: 51.680 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX009567.D

Acq: 14 May 2019 17:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

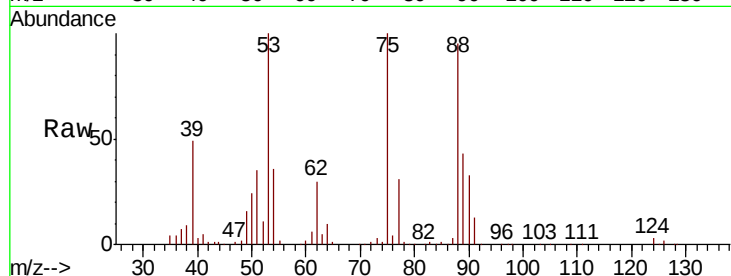
Tot Ion: 75 Resp: 54148

Ion Ratio Lower Upper

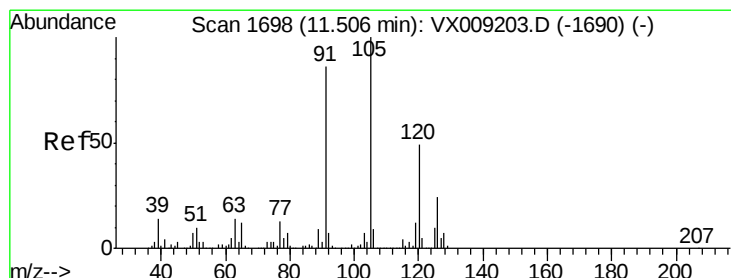
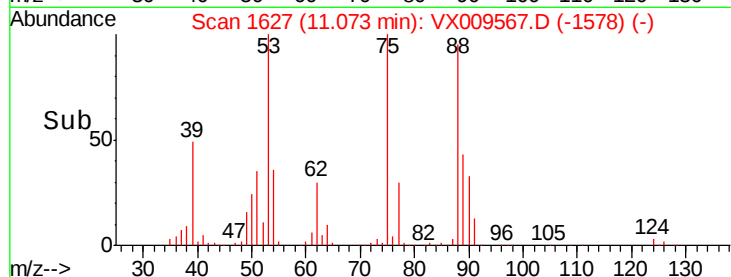
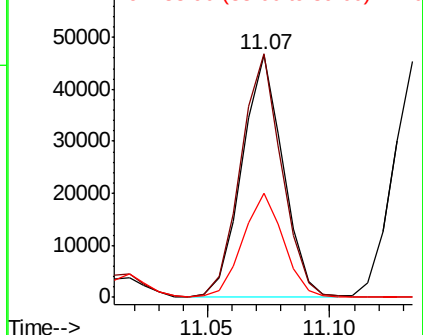
75 100

53 100.3 79.0 118.6

89 43.0 34.7 52.1



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: 50.434 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX009567.D

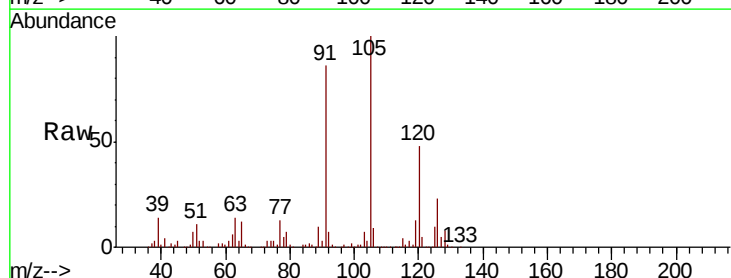
Acq: 14 May 2019 17:31

Tgt Ion: 91 Resp: 337387

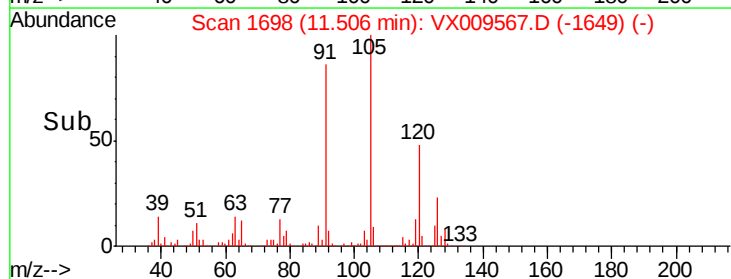
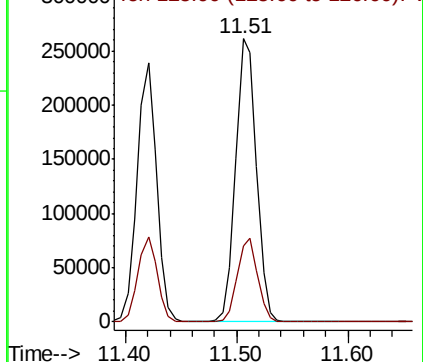
Ion Ratio Lower Upper

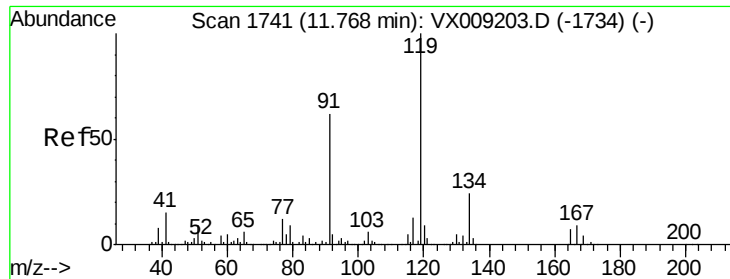
91 100

126 28.6 14.5 43.6



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 125.90 (125.60 to 126.60): V

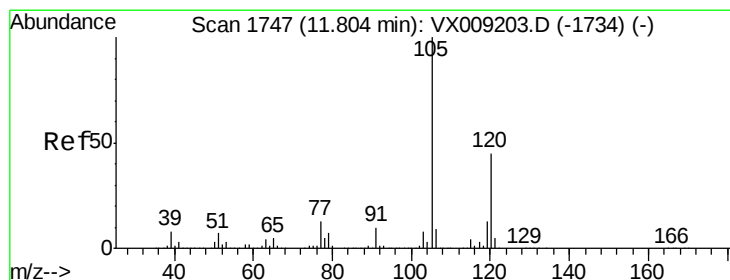
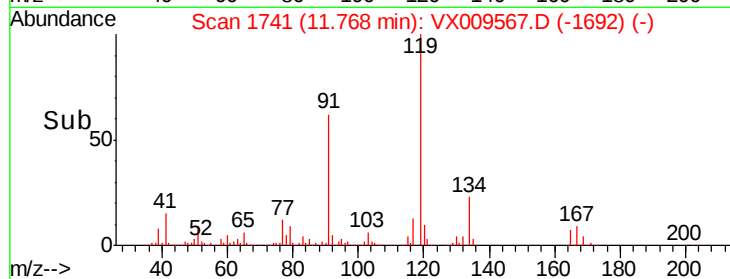
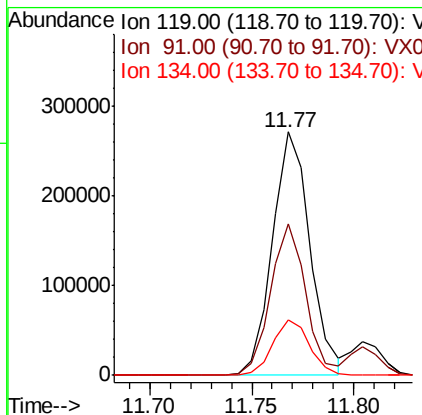
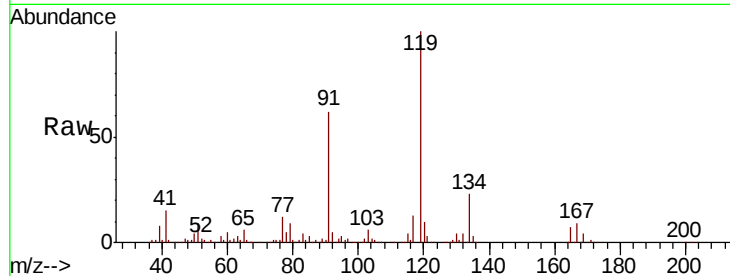




#83
tert-Butylbenzene
Concen: 50.639 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX009567.D
Acq: 14 May 2019 17:31

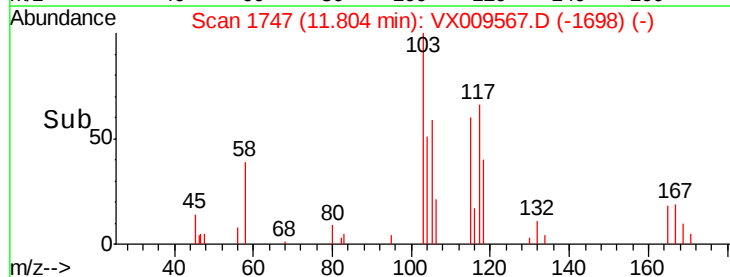
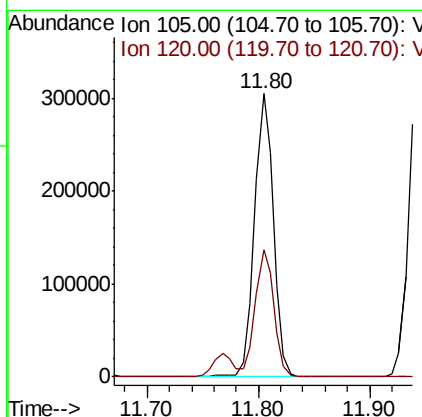
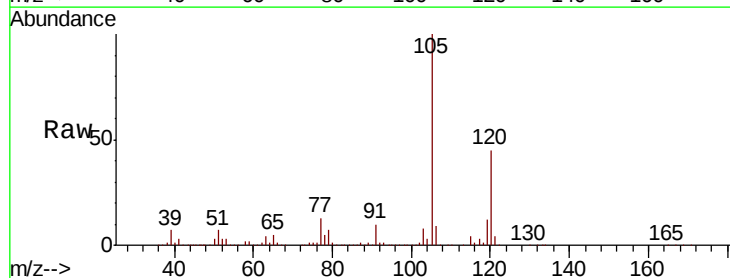
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:119 Resp: 348590
Ion Ratio Lower Upper
119 100
91 58.3 29.5 88.5
134 22.4 11.4 34.1



#84
1,2,4-Trimethylbenzene
Concen: 50.875 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX009567.D
Acq: 14 May 2019 17:31

Tgt Ion:105 Resp: 361363
Ion Ratio Lower Upper
105 100
120 43.7 22.0 66.0





#85

sec-Butylbenzene

Concen: 50.704 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX009567.D

Acq: 14 May 2019 17:31

Instrument :

MSVOA_X

ClientSampleId :

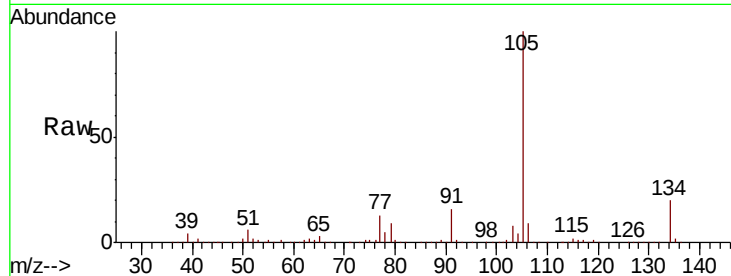
VSTDCCC050EC

Tot Ion:105 Resp: 413816

Ion Ratio Lower Upper

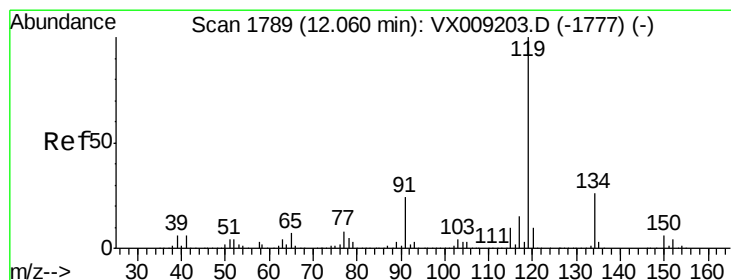
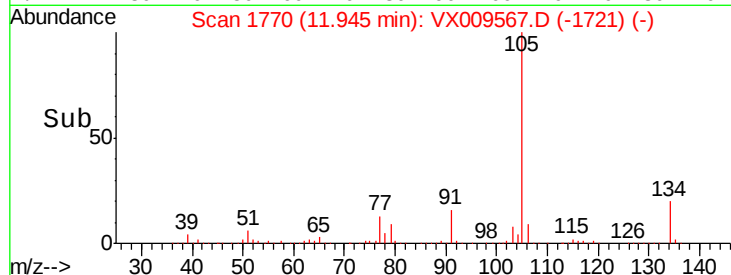
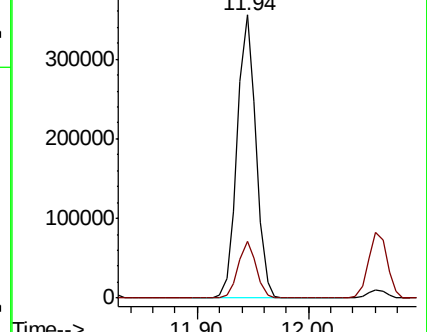
105 100

134 19.5 9.7 28.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 51.660 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX009567.D

Acq: 14 May 2019 17:31

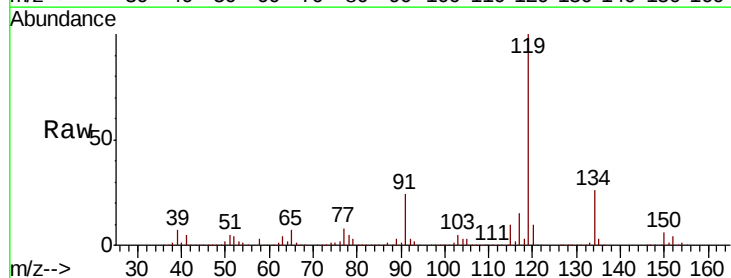
Tgt Ion:119 Resp: 379029

Ion Ratio Lower Upper

119 100

134 25.9 12.9 38.7

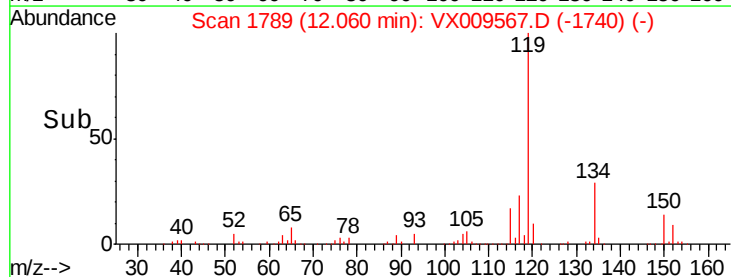
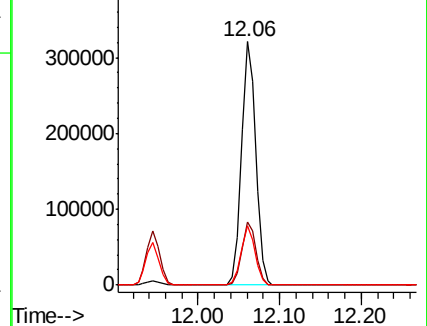
91 23.9 11.8 35.4



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: 50.659 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VX009567.D

Acq: 14 May 2019 17:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

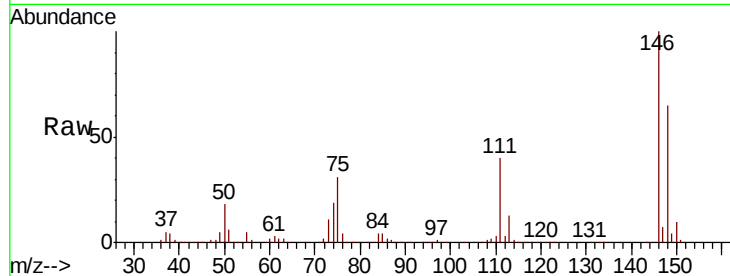
Tot Ion:146 Resp: 188382

Ion Ratio Lower Upper

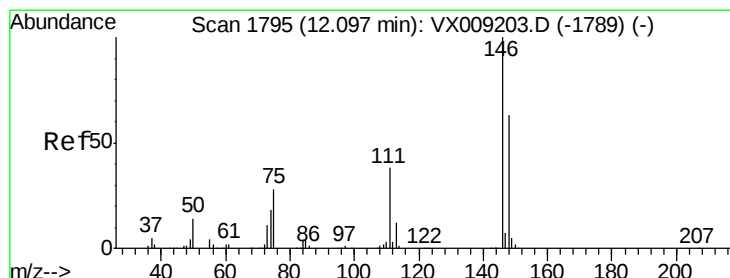
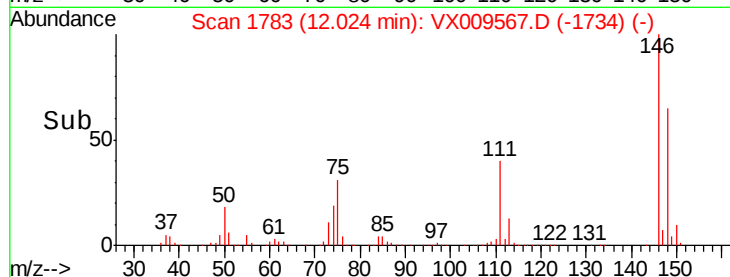
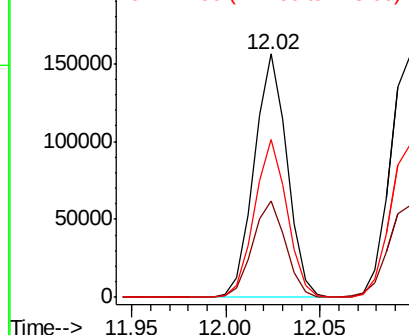
146 100

111 40.0 20.0 59.9

148 64.2 31.8 95.3



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



#88

1,4-Dichlorobenzene

Concen: 50.257 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VX009567.D

Acq: 14 May 2019 17:31

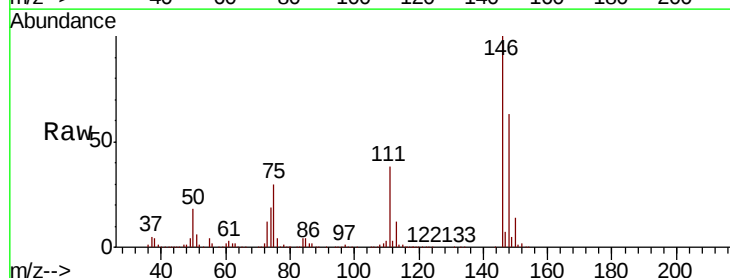
Tgt Ion:146 Resp: 188415

Ion Ratio Lower Upper

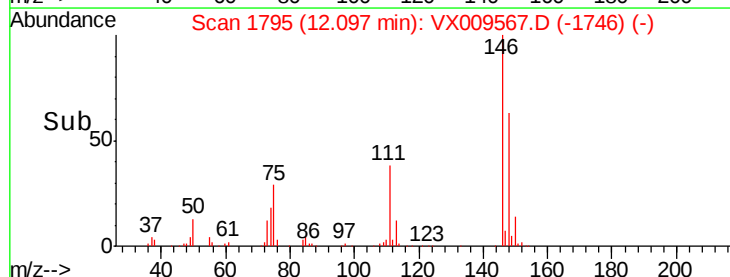
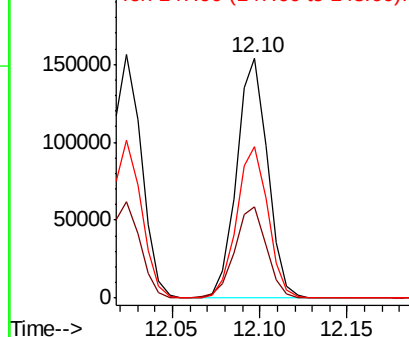
146 100

111 39.2 19.6 58.8

148 64.0 31.8 95.3



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

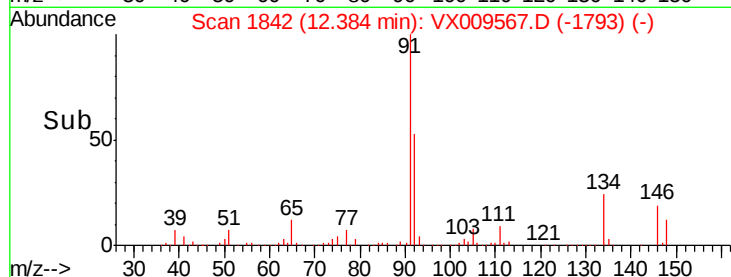
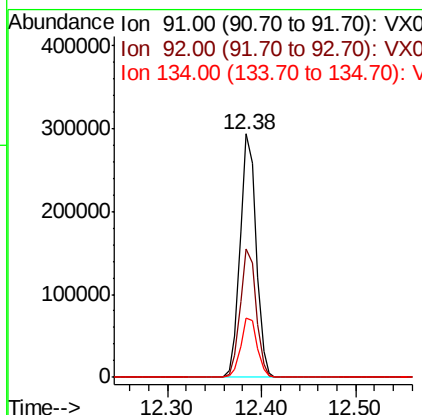
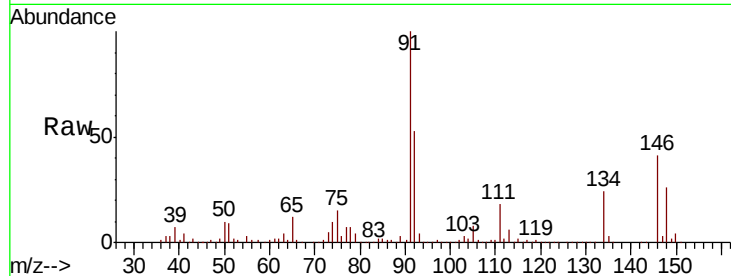




#89
n-Butylbenzene
Concen: 52.225 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX009567.D
Acq: 14 May 2019 17:31

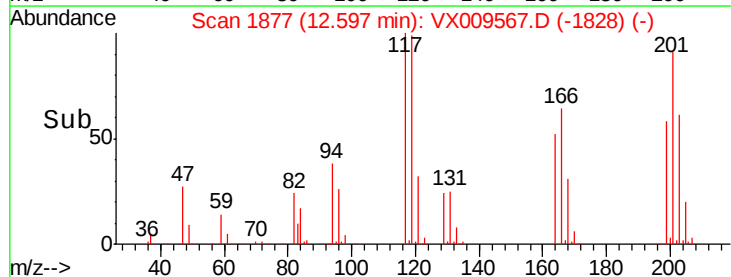
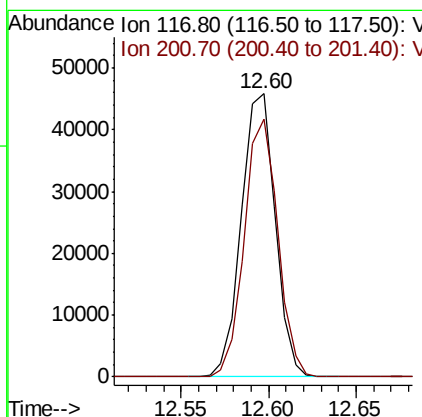
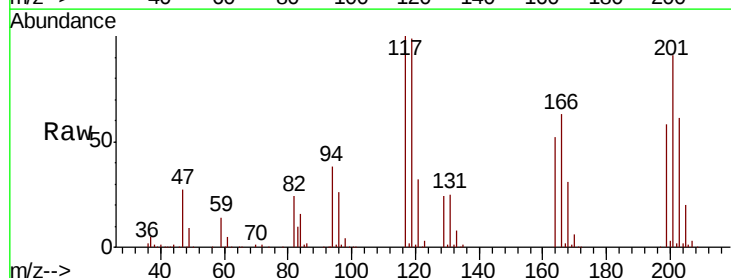
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

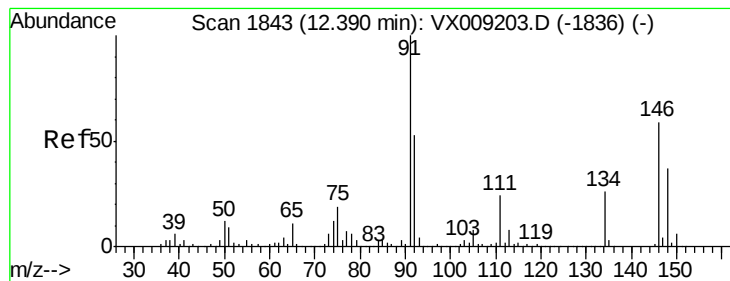
Tot Ion: 91 Resp: 346326
Ion Ratio Lower Upper
91 100
92 52.8 26.5 79.5
134 24.9 12.4 37.2



#90
Hexachloroethane
Concen: 49.476 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX009567.D
Acq: 14 May 2019 17:31

Tgt Ion: 117 Resp: 61844
Ion Ratio Lower Upper
117 100
201 89.6 42.3 126.9





#91

1,2-Dichlorobenzene

Concen: 50.248 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX009567.D

Acq: 14 May 2019 17:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

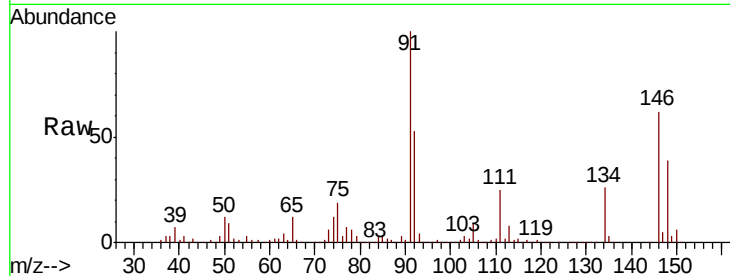
Tot Ion:146 Resp: 190320

Ion Ratio Lower Upper

146 100

111 41.5 20.8 62.4

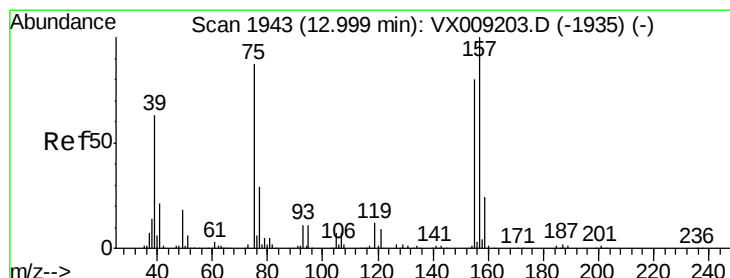
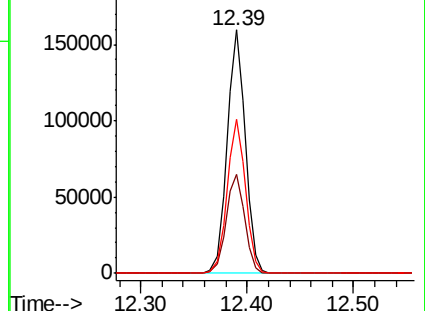
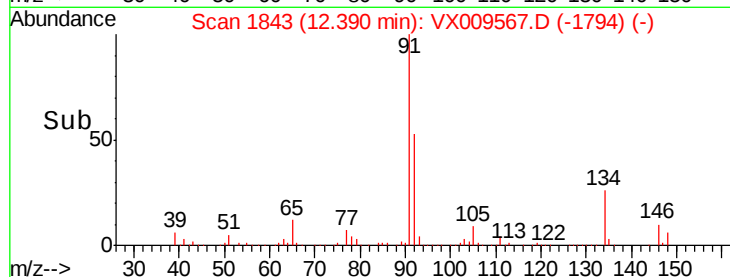
148 63.6 31.9 95.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 49.575 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VX009567.D

Acq: 14 May 2019 17:31

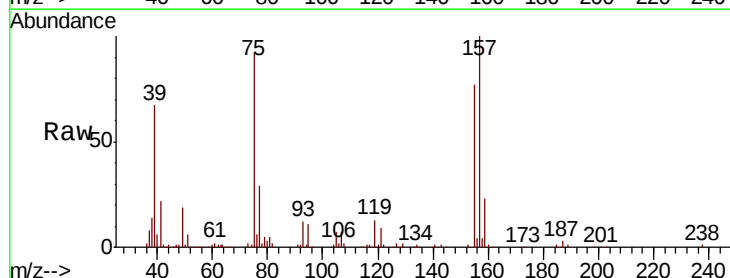
Tgt Ion: 75 Resp: 34842

Ion Ratio Lower Upper

75 100

155 83.0 42.0 126.0

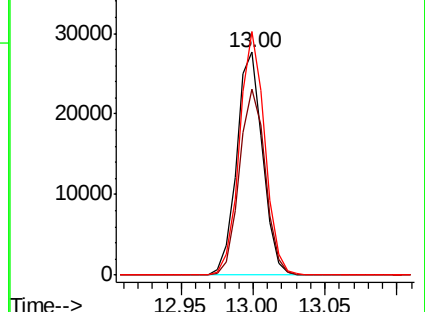
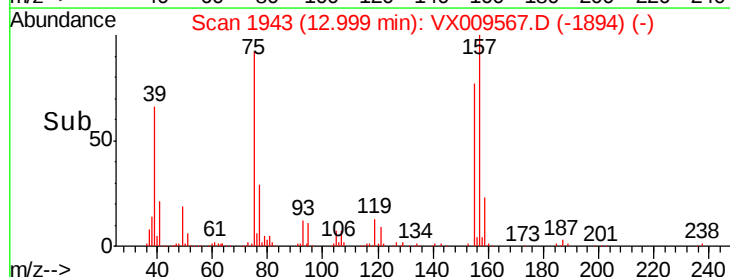
157 106.0 53.2 159.6

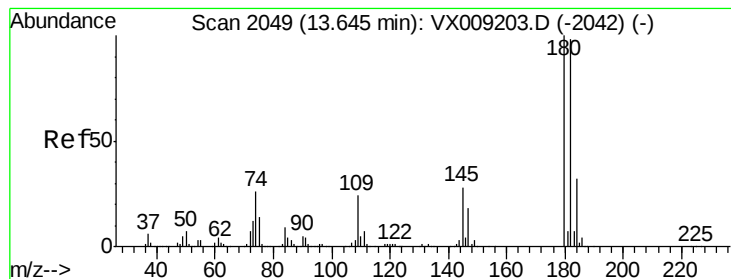


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#93

1,2,4-Trichlorobenzene

Concen: 51.785 ug/l

RT: 13.65 min Scan# 2049

Delta R.T. 0.00 min

Lab File: VX009567.D

Acq: 14 May 2019 17:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

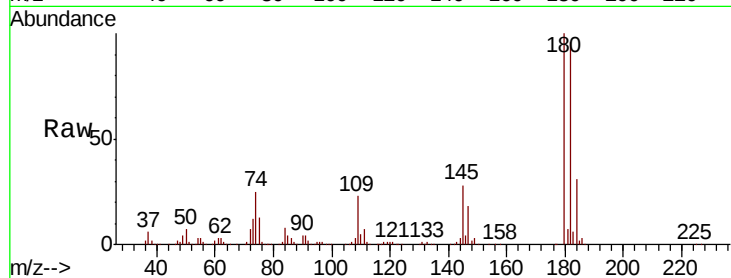
Tot Ion:180 Resp: 134127

Ion Ratio Lower Upper

180 100

182 94.8 48.4 145.2

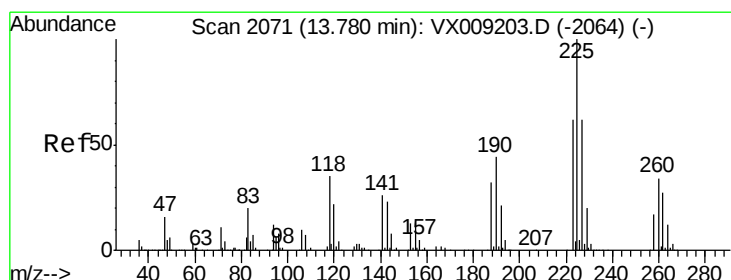
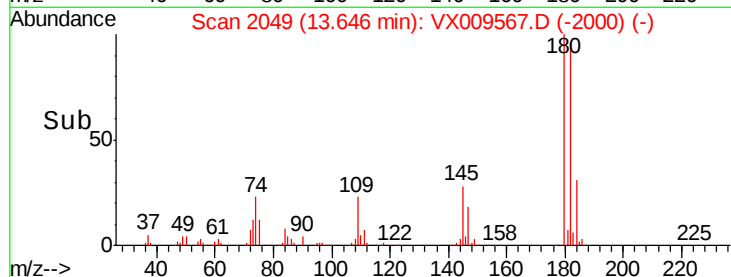
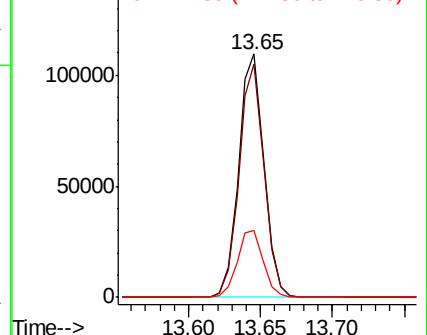
145 28.4 14.6 43.8



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 51.489 ug/l

RT: 13.78 min Scan# 2071

Delta R.T. 0.00 min

Lab File: VX009567.D

Acq: 14 May 2019 17:31

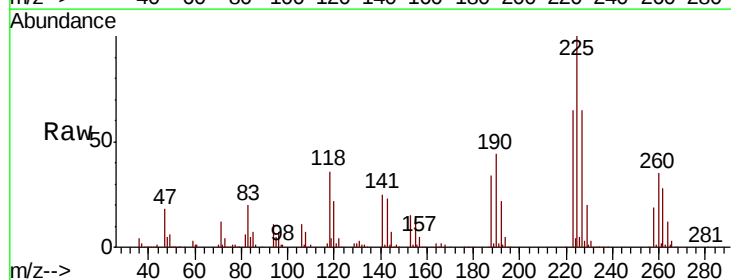
Tgt Ion:225 Resp: 68102

Ion Ratio Lower Upper

225 100

223 64.7 31.3 93.8

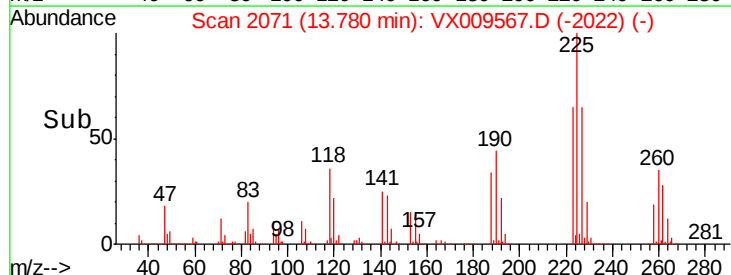
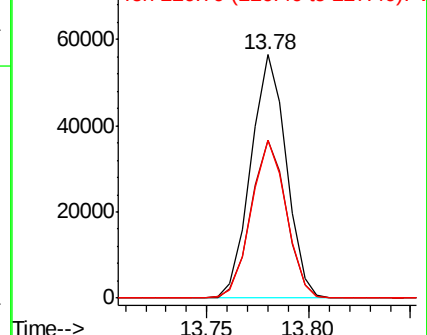
227 64.1 31.8 95.3

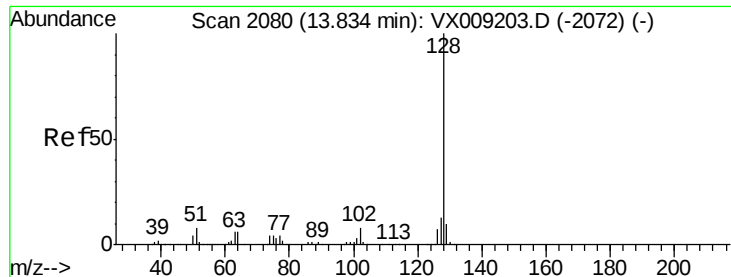


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

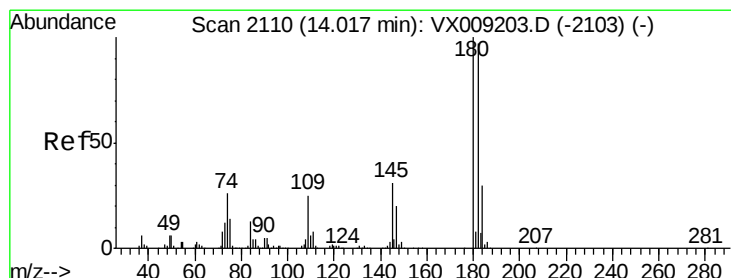
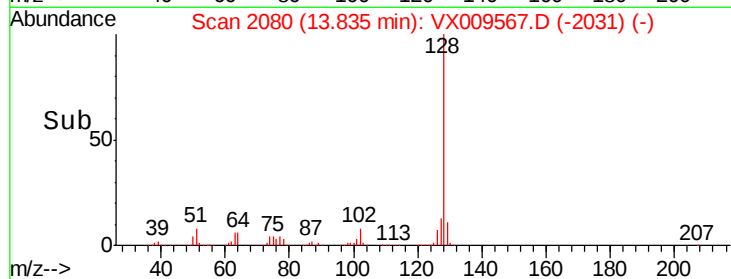
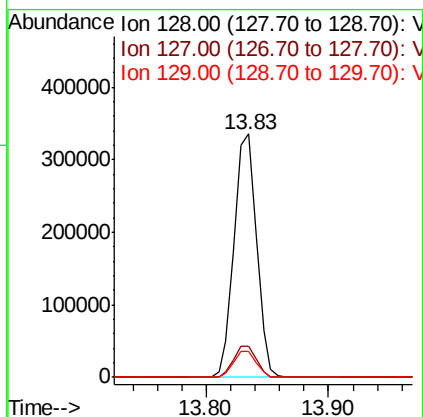
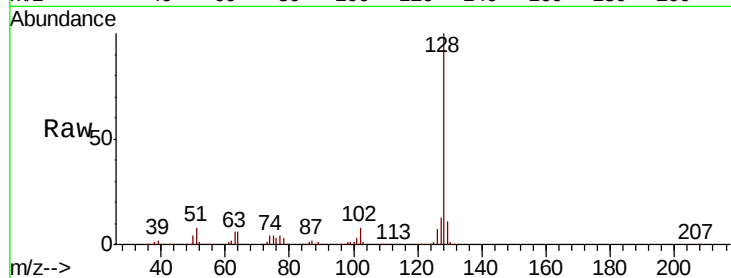




#95
Naphthalene
Concen: 50.431 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX009567.D
Acq: 14 May 2019 17:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	11.0	8.6	13.0



#96
1,2,3-Trichlorobenzene
Concen: 50.947 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX009567.D
Acq: 14 May 2019 17:31

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.8	143.4
145	30.7	15.4	46.4

