

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX031119\
 Data File : VX007967.D
 Acq On : 11 Mar 2019 13:30
 Operator : JC/SP
 Sample : VSTDCCC020EC
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Quant Time: Mar 12 08:07:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X030819W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Mar 08 12:01:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.03	128	41439	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	220594	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	193707	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	80840	29.68	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.93%
60) 4-Bromofluorobenzene	11.13	95	91930	29.73	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.10%
63) Toluene-d8	8.71	98	265356	29.93	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.77%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	46103	18.740	ug/l 99
3) Chloromethane	1.33	50	48590	17.762	ug/l 95
4) Vinyl Chloride	1.41	62	49557	18.288	ug/l 97
5) Bromomethane	1.65	94	25027	18.526	ug/l 98
6) Chloroethane	1.73	64	29336	18.537	ug/l 94
7) Trichlorofluoromethane	1.93	101	64218	19.031	ug/l 99
8) Diethyl Ether	2.19	74	34753	19.999	ug/l 91
9) 1,1,2-Trichlorotrifluoroet	2.39	101	48668	19.184	ug/l 98
10) 1,1-Dichloroethene	2.38	96	48051	19.983	ug/l 91
11) Methyl Iodide	2.51	142	57873	15.375	ug/l 94
12) Methyl Acetate	2.78	43	73490	19.325	ug/l 96
13) Acrolein	2.30	56	45543	102.079	ug/l 97
14) Acrylonitrile	3.15	53	161574	100.087	ug/l 99
15) Acetone	2.45	58	45620	78.272	ug/l 98
16) Carbon Disulfide	2.57	76	147846	19.597	ug/l 99
17) Allyl chloride	2.73	41	95874	19.448	ug/l 89
18) Methylene Chloride	2.86	84	53575	19.557	ug/l 98
19) trans-1,2-Dichloroethene	3.17	96	50551	19.869	ug/l 98
20) Diisopropyl ether	3.87	45	177733	19.707	ug/l 93
21) 1,1-Dichloroethane	3.70	63	97228	19.822	ug/l 99
22) cis-1,2-Dichloroethene	4.60	96	57971	19.753	ug/l 91
23) tert-Butyl Alcohol	3.07	59	63655	97.739	ug/l # 100
24) Methyl tert-Butyl Ether	3.21	73	167294	20.235	ug/l 95
25) Chloroform	5.21	83	91453	19.754	ug/l 100
26) Cyclohexane	5.58	56	86613	19.110	ug/l # 92
29) 1,1-Dichloropropene	5.80	75	69220	19.790	ug/l 97
30) 2-Butanone	4.70	43	221042	93.699	ug/l 97
31) 2,2-Dichloropropane	4.59	77	64968	20.110	ug/l 99
32) 1,1,1-Trichloroethane	5.49	97	77586	20.513	ug/l 99
33) Carbon Tetrachloride	5.78	117	67562	20.139	ug/l 96
34) Benzene	6.15	78	218255	20.362	ug/l 98
35) Methacrylonitrile	5.06	41	46668	20.301	ug/l 92
36) 1,2-Dichloroethane	6.20	62	69750	20.001	ug/l 98
37) Trichloroethene	7.21	130	59287	20.415	ug/l 94
38) Methylcyclohexane	7.46	83	83838	18.853	ug/l 96
39) 1,2-Dichloropropane	7.52	63	57049	20.408	ug/l 99
40) Dibromomethane	7.66	93	35719	20.144	ug/l 90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.90	83	67468	20.130	ug/l	99
42) Vinyl Acetate	3.82	43	778204	101.907	ug/l	97
43) Ethyl Acetate	4.85	43	80487	19.587	ug/l #	81
44) Isopropyl Acetate	6.46	43	125987	20.094	ug/l	98
45) 1,4-Dioxane	7.75	88	23331	355.676	ug/l	90
46) Methyl methacrylate	7.77	41	65550	19.879	ug/l	90
47) n-amyl Acetate	10.90	43	106566	19.726	ug/l	98
48) t-1,3-Dichloropropene	9.04	75	72814	20.060	ug/l	99
49) cis-1,3-Dichloropropene	8.43	75	81664	19.868	ug/l	96
50) 1,1,2-Trichloroethane	9.21	97	55412	20.502	ug/l	96
51) Ethyl methacrylate	9.18	69	82097	20.029	ug/l	93
52) 1,3-Dichloropropane	9.37	76	91095	20.398	ug/l	100
53) Dibromochloromethane	9.58	129	56430	20.298	ug/l	100
54) 1,2-Dibromoethane	9.67	107	58322	20.640	ug/l	98
55) 2-Chloroethyl vinyl ether	8.31	63	183675	96.346	ug/l	99
56) Bromoform	10.85	173	44215	19.939	ug/l #	97
58) 4-Methyl-2-Pentanone	8.65	43	413136	103.591	ug/l	99
59) 2-Hexanone	9.49	43	311028	98.797	ug/l	99
61) Tetrachloroethene	9.34	164	58801	20.809	ug/l	96
62) Toluene	8.79	91	228075	20.164	ug/l	99
64) Chlorobenzene	10.14	112	145781	20.222	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.22	131	54080	20.952	ug/l	99
66) Ethyl Benzene	10.25	91	241871	19.908	ug/l	98
67) m/p-Xylenes	10.36	106	185917	39.908	ug/l	97
68) o-Xylene	10.70	106	90134	19.925	ug/l	97
69) Styrene	10.71	104	149385	20.042	ug/l	99
70) Isopropylbenzene	11.02	105	242736	20.081	ug/l	97
71) 1,1,2,2-Tetrachloroethane	11.27	83	82559	20.680	ug/l	98
72) 1,2,3-Trichloropropane	11.29	75	91889	24.419	ug/l	91
73) Bromobenzene	11.26	156	65667	20.434	ug/l	97
74) n-propylbenzene	11.36	91	268537	19.695	ug/l	99
75) 2-Chlorotoluene	11.42	91	163293	19.981	ug/l	96
76) 1,3,5-Trimethylbenzene	11.51	105	200988	20.063	ug/l	98
77) t-1,4-Dichloro-2-butene	11.07	75	21849	18.792	ug/l	93
78) 4-Chlorotoluene	11.51	91	184133	19.927	ug/l	96
79) tert-butylbenzene	12.06	119	213296	19.841	ug/l	98
80) 1,2,4-Trimethylbenzene	11.80	105	207116	20.371	ug/l	97
81) sec-Butylbenzene	11.94	105	237311	19.708	ug/l	99
82) p-Isopropyltoluene	12.06	119	213296	19.841	ug/l	98
83) 1,3-Dichlorobenzene	12.02	146	113973	19.920	ug/l	97
84) 1,4-Dichlorobenzene	12.10	146	113975	19.910	ug/l	99
85) n-Butylbenzene	12.38	91	174975	19.032	ug/l	99
86) Hexachloroethane	12.60	117	33691	19.234	ug/l	82
87) 1,2-Dichlorobenzene	12.39	146	115076	20.351	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	13.00	75	16239	19.914	ug/l	99
89) 1,2,4-Trichlorobenzene	13.65	180	80324	19.766	ug/l	99
90) Hexachlorobutadiene	13.78	225	42615	19.014	ug/l	97
91) Naphthalene	13.83	128	239209	20.535	ug/l	100
92) 1,2,3-Trichlorobenzene	14.02	180	81161	20.093	ug/l	99

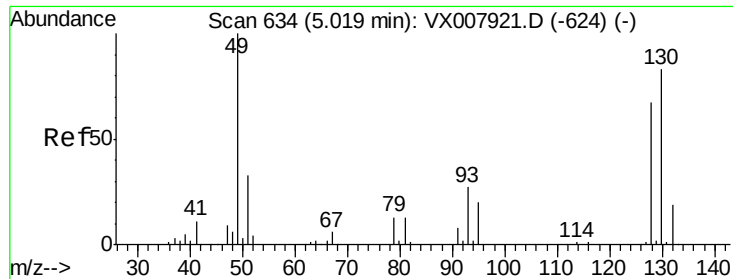
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QLast Update : Fri Mar 08 12:01:36 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.03 min Scan# 635

Delta R.T. 0.01 min

Lab File: VX007967.D

Acq: 11 Mar 2019 13:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

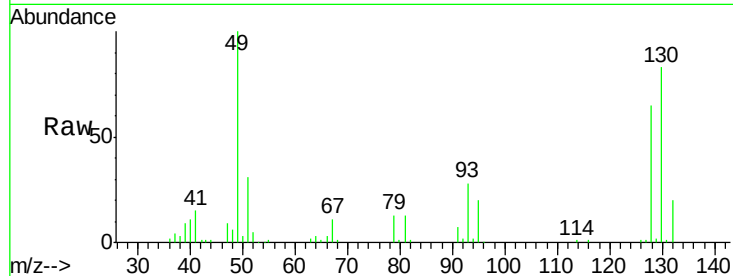
Tot Ion:128 Resp: 41439

Ion Ratio Lower Upper

128 100

49 154.7 0.0 350.8

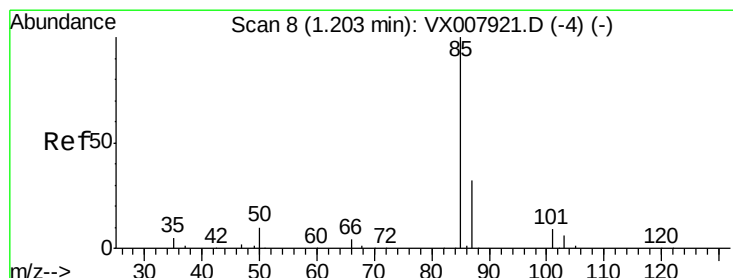
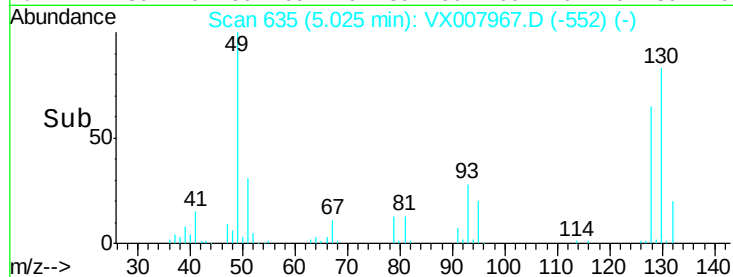
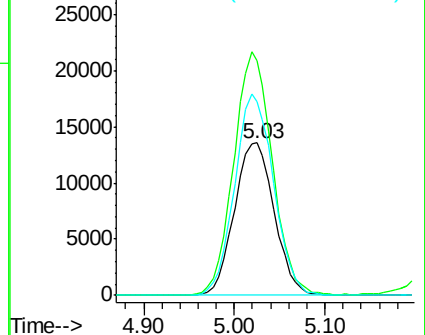
130 129.2 0.0 325.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VX0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 18.740 ug/l

RT: 1.20 min Scan# 8

Delta R.T. 0.00 min

Lab File: VX007967.D

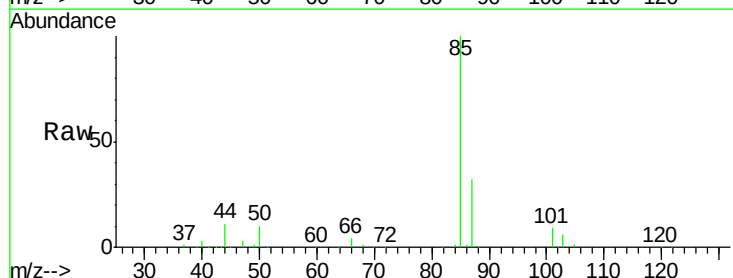
Acq: 11 Mar 2019 13:30

Tgt Ion: 85 Resp: 46103

Ion Ratio Lower Upper

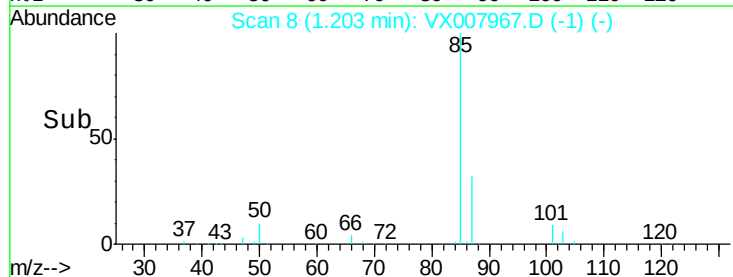
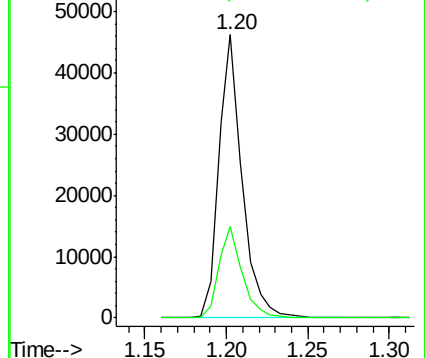
85 100

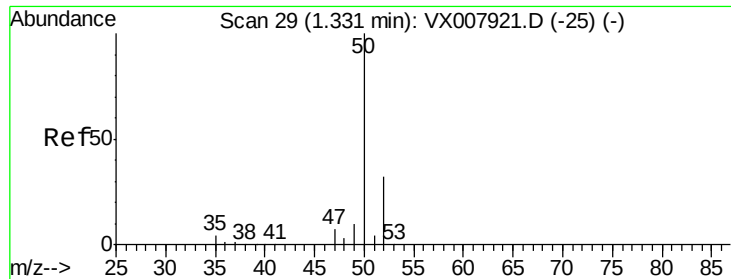
87 32.5 16.6 49.8



Abundance Ion 85.00 (84.70 to 85.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#3

Chloromethane

Concen: 17.762 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX007967.D

Acq: 11 Mar 2019 13:30

Instrument :

MSVOA_X

ClientSampleId :

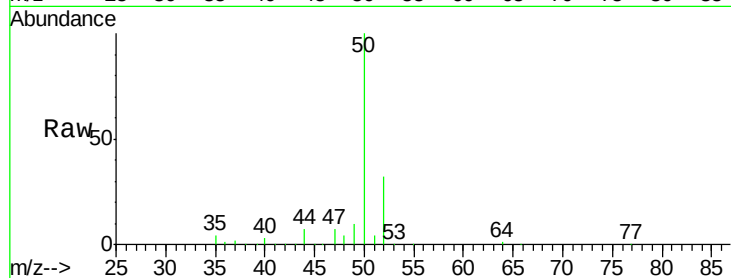
VSTDCCC020EC

Tot Ion: 50 Resp: 48590

Ion Ratio Lower Upper

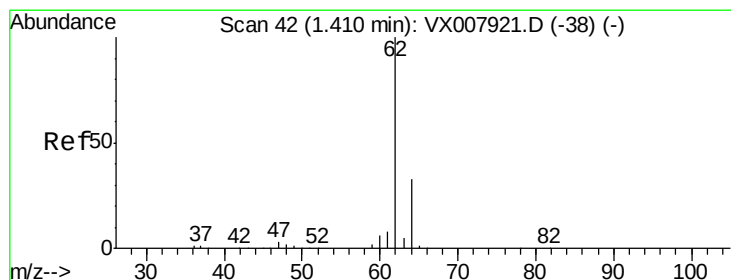
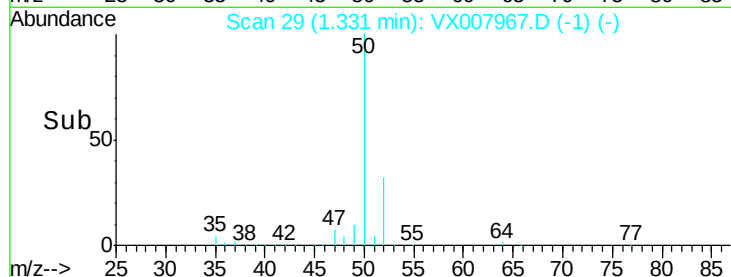
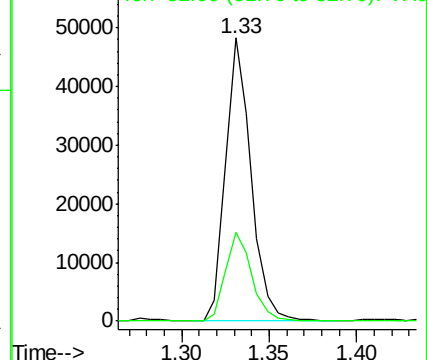
50 100

52 31.6 27.5 41.3



Abundance Ion 50.00 (49.70 to 50.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#4

Vinyl Chloride

Concen: 18.288 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX007967.D

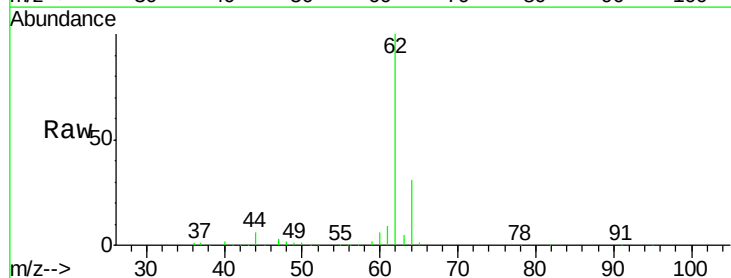
Acq: 11 Mar 2019 13:30

Tgt Ion: 62 Resp: 49557

Ion Ratio Lower Upper

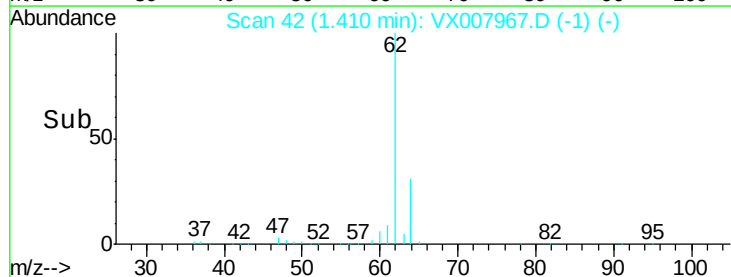
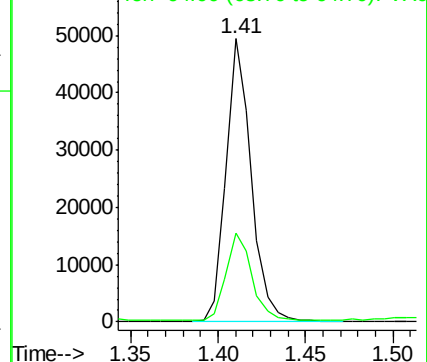
62 100

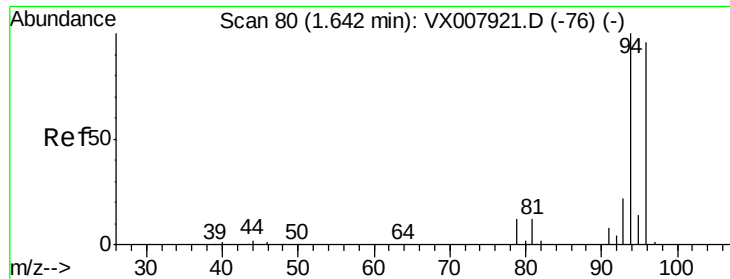
64 30.8 25.9 38.9



Abundance Ion 62.00 (61.70 to 62.70): VX0

Ion 64.00 (63.70 to 64.70): VX0





#5

Bromomethane

Concen: 18.526 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX007967.D

Acq: 11 Mar 2019 13:30

Instrument :

MSVOA_X

ClientSampleId :

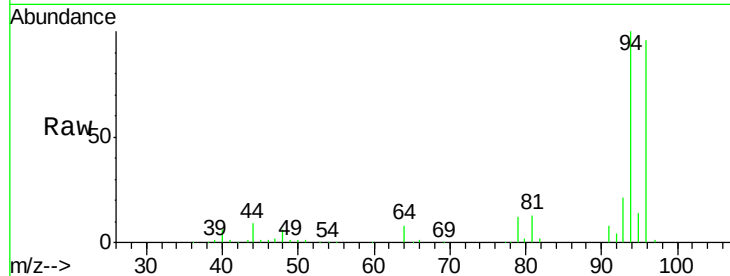
VSTDCCC020EC

Tot Ion: 94 Resp: 25027

Ion Ratio Lower Upper

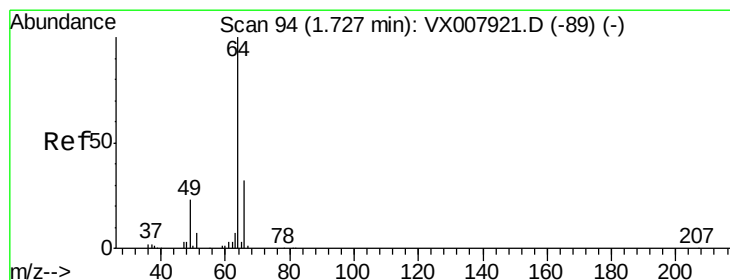
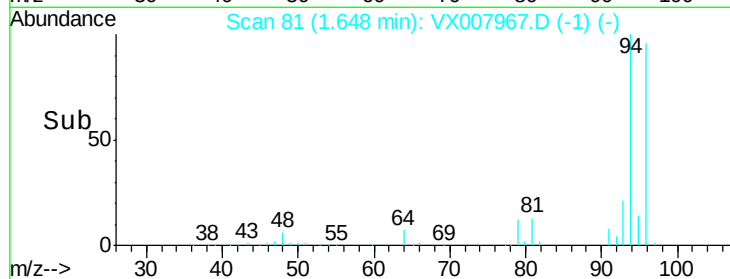
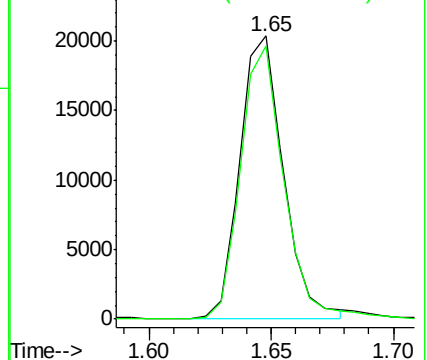
94 100

96 96.5 75.6 113.4



Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0



#6

Chloroethane

Concen: 18.537 ug/l

RT: 1.73 min Scan# 95

Delta R.T. 0.01 min

Lab File: VX007967.D

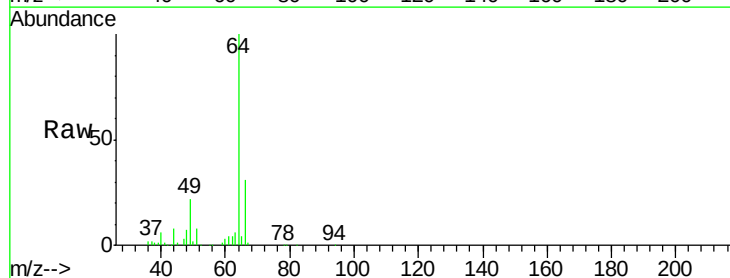
Acq: 11 Mar 2019 13:30

Tgt Ion: 64 Resp: 29336

Ion Ratio Lower Upper

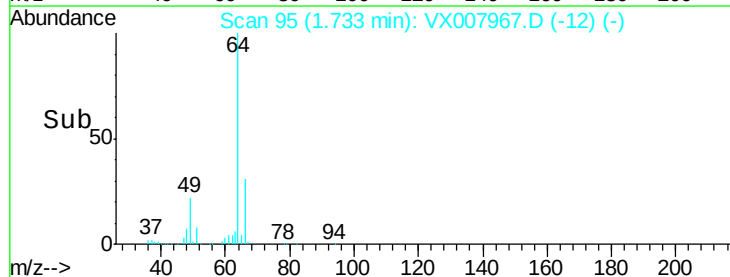
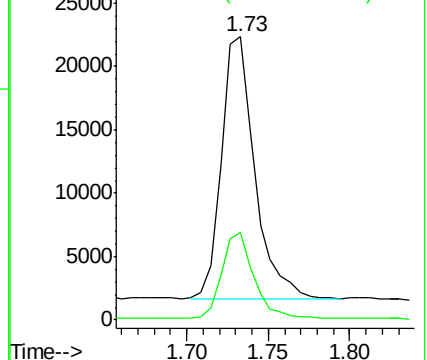
64 100

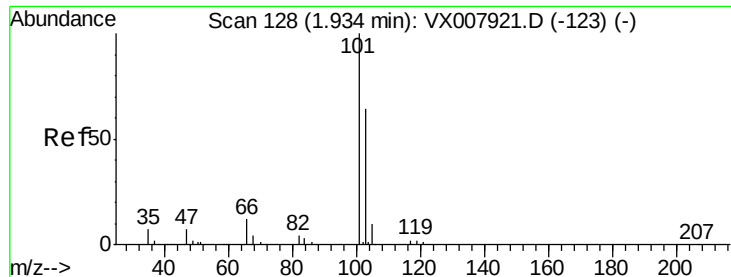
66 32.9 23.9 35.9



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0



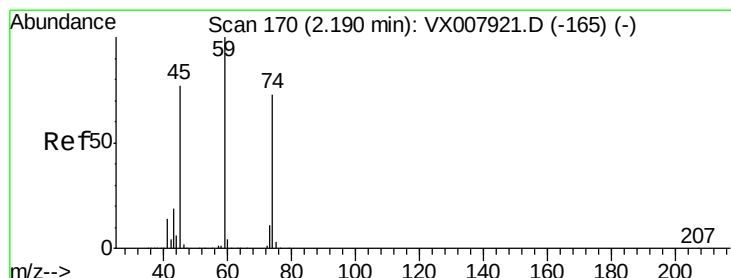
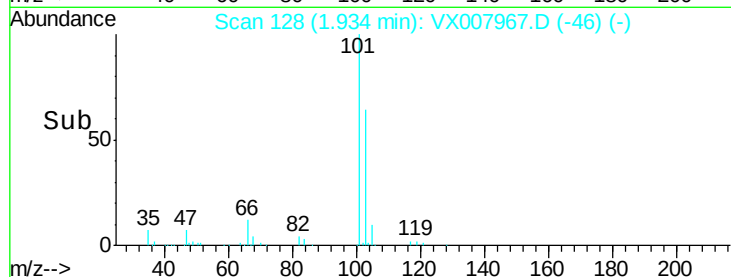
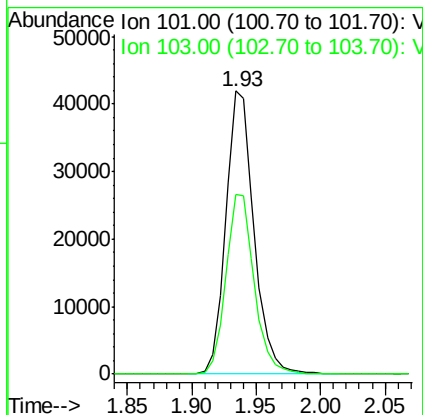
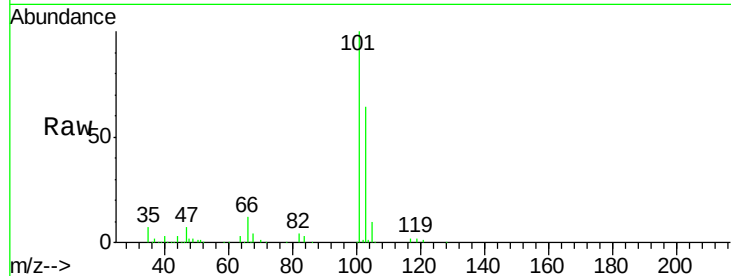


#7

Trichlorofluoromethane
 Concen: 19.031 ug/l
 RT: 1.93 min Scan# 128
 Delta R.T. 0.00 min
 Lab File: VX007967.D
 Acq: 11 Mar 2019 13:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

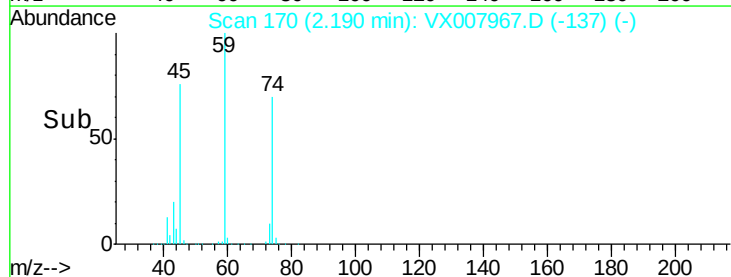
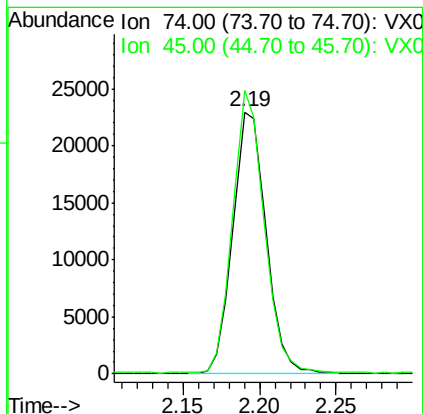
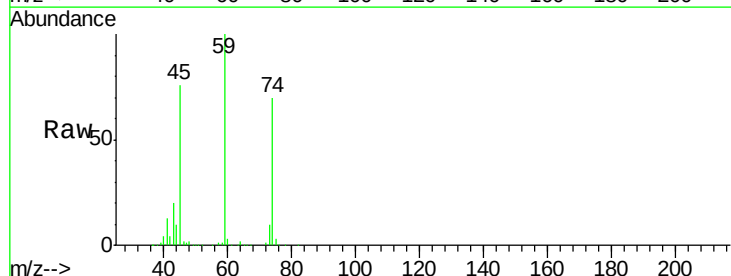
Tot Ion:101 Resp: 64218
 Ion Ratio Lower Upper
 101 100
 103 63.6 50.4 75.6

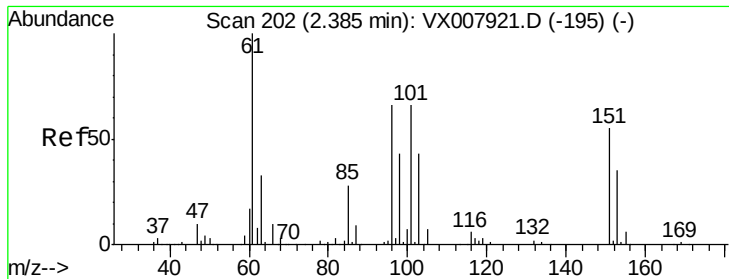


#8

Diethyl Ether
 Concen: 19.999 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. 0.00 min
 Lab File: VX007967.D
 Acq: 11 Mar 2019 13:30

Tgt Ion: 74 Resp: 34753
 Ion Ratio Lower Upper
 74 100
 45 102.2 18.6 167.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.184 ug/l

RT: 2.39 min Scan# 203

Delta R.T. 0.01 min

Lab File: VX007967.D

Acq: 11 Mar 2019 13:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

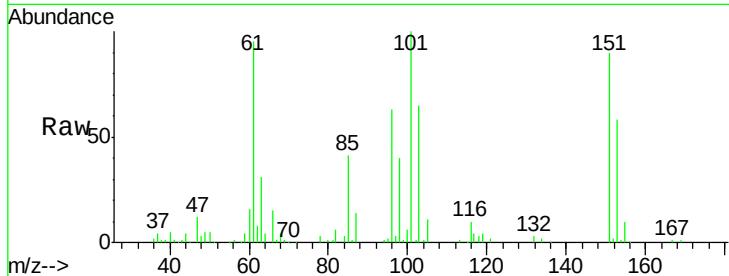
Tot Ion:101 Resp: 48668

Ion Ratio Lower Upper

101 100

85 41.7 0.0 86.8

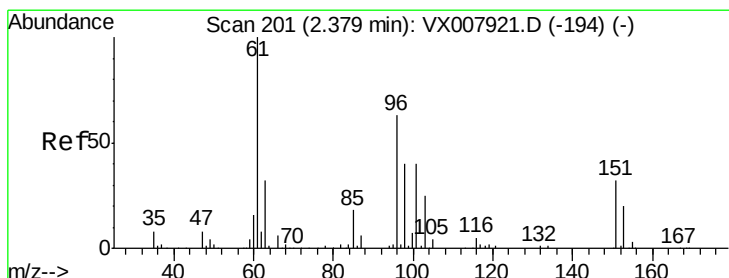
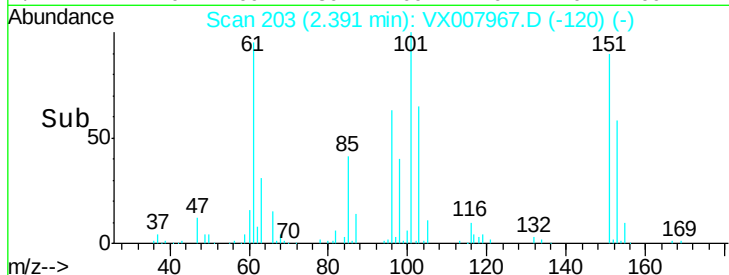
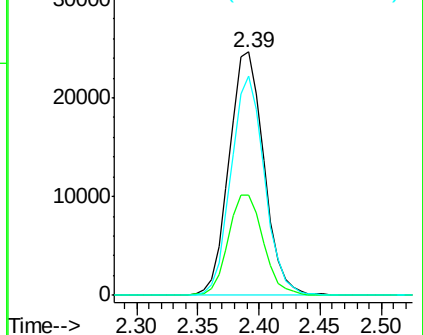
151 86.7 0.0 169.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VX0

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 19.983 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX007967.D

Acq: 11 Mar 2019 13:30

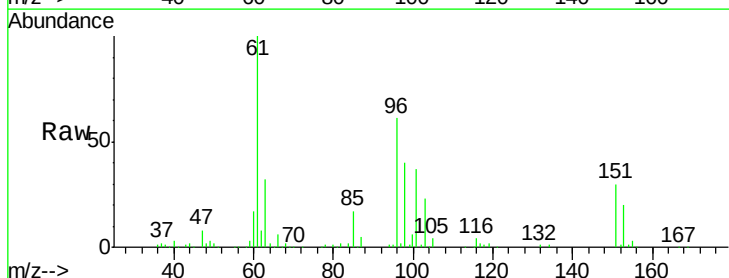
Tgt Ion: 96 Resp: 48051

Ion Ratio Lower Upper

96 100

61 163.4 120.2 180.2

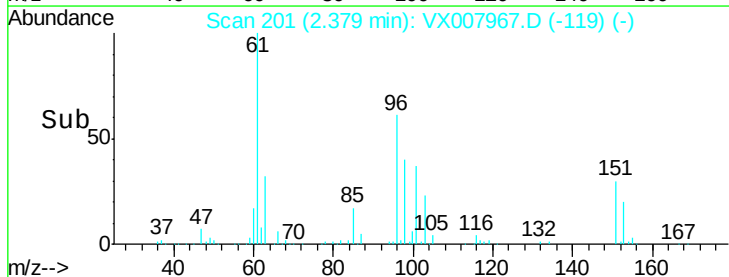
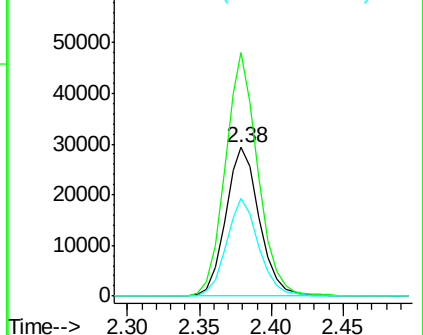
98 65.6 49.0 73.4

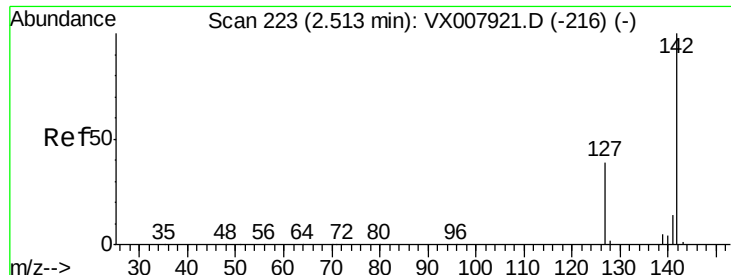


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

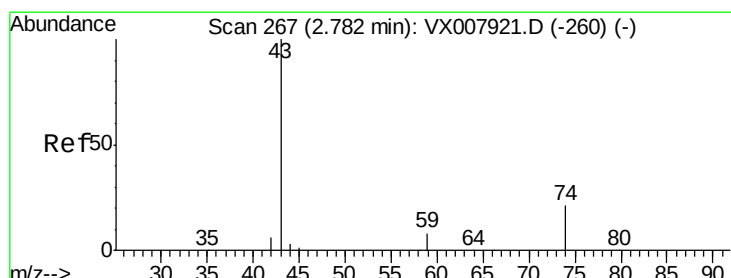
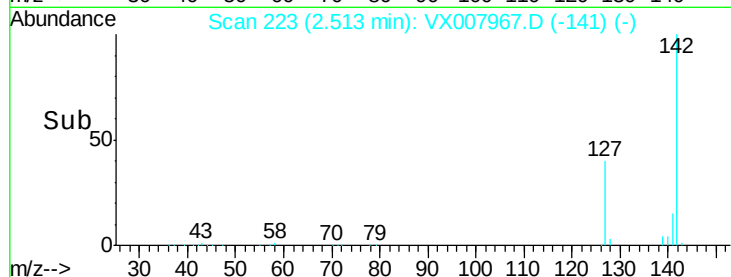
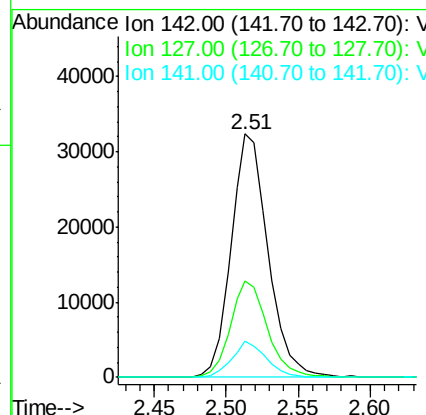
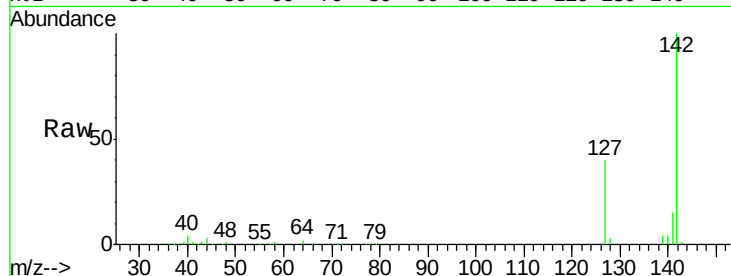




#11
Methvl Iodide
Concen: 15.375 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.00 min
Lab File: VX007967.D
Acq: 11 Mar 2019 13:30

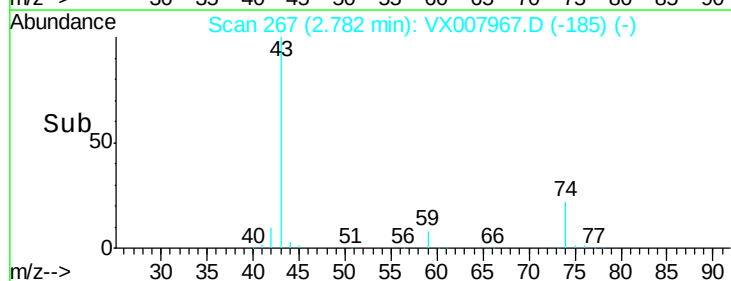
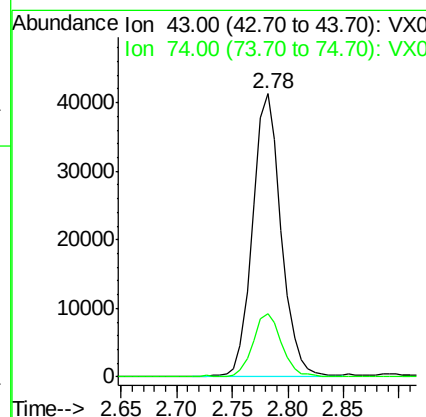
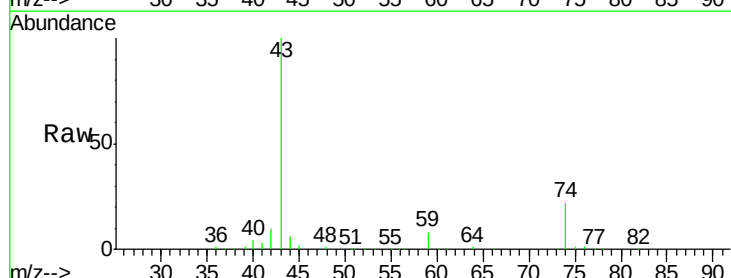
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

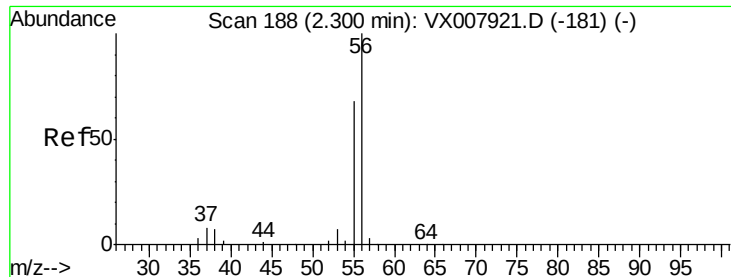
Tot Ion:142 Resp: 57873
Ion Ratio Lower Upper
142 100
127 39.4 22.1 66.5
141 14.7 7.4 22.3



#12
Methyl Acetate
Concen: 19.325 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.00 min
Lab File: VX007967.D
Acq: 11 Mar 2019 13:30

Tgt Ion: 43 Resp: 73490
Ion Ratio Lower Upper
43 100
74 22.4 19.4 29.0





#13

Acrolein

Concen: 102.079 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.00 min

Lab File: VX007967.D

Acq: 11 Mar 2019 13:30

Instrument :

MSVOA_X

ClientSampleId :

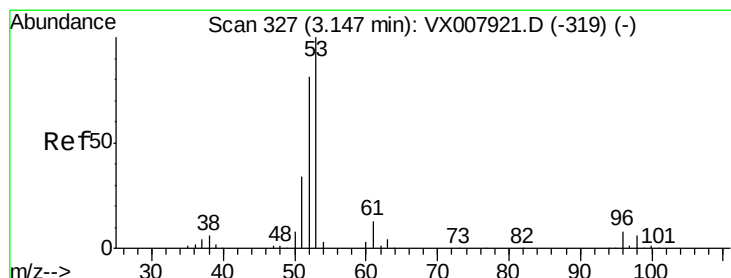
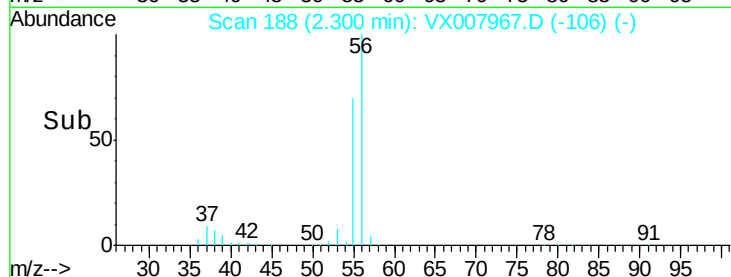
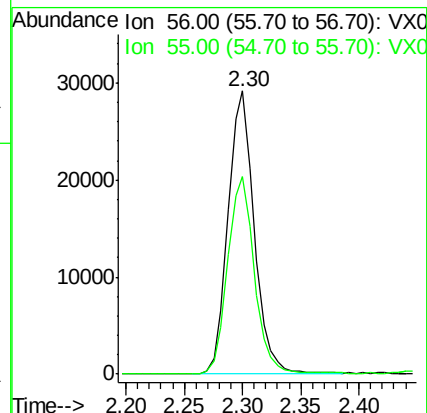
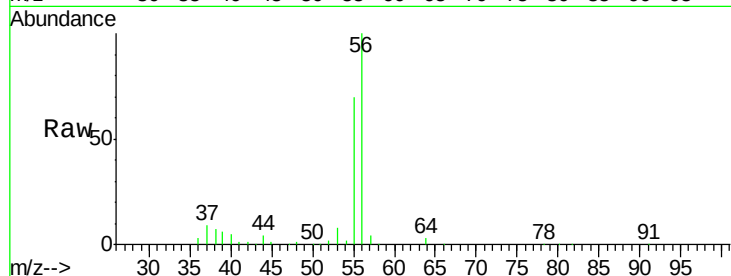
VSTDCCC020EC

Tot Ion: 56 Resp: 45543

Ion Ratio Lower Upper

56 100

55 71.1 58.6 87.8



#14

Acrylonitrile

Concen: 100.087 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.01 min

Lab File: VX007967.D

Acq: 11 Mar 2019 13:30

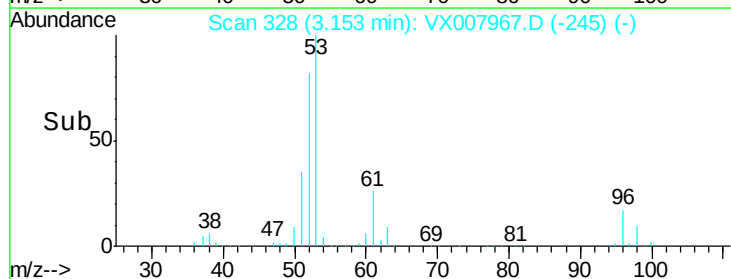
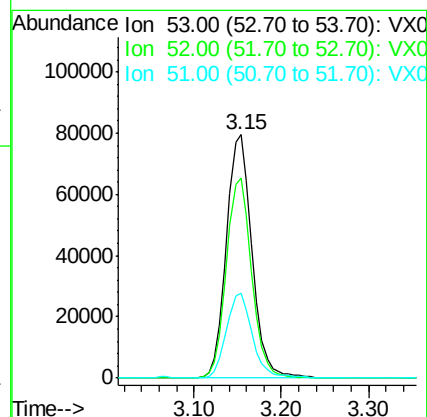
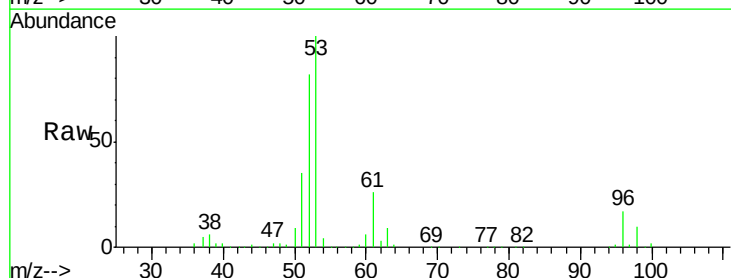
Tgt Ion: 53 Resp: 161574

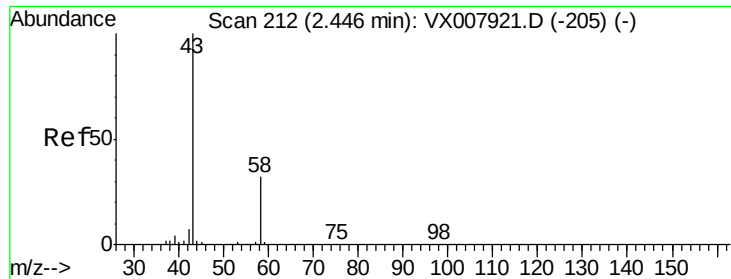
Ion Ratio Lower Upper

53 100

52 81.6 41.3 124.1

51 35.7 17.5 52.6





#15

Acetone

Concen: 78.272 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX007967.D

Acq: 11 Mar 2019 13:30

Instrument :

MSVOA_X

ClientSampleId :

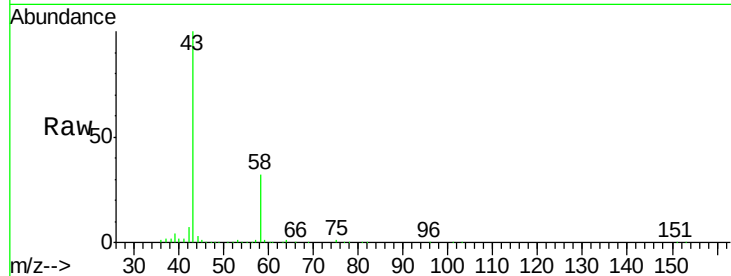
VSTDCCC020EC

Tot Ion: 58 Resp: 45620

Ion Ratio Lower Upper

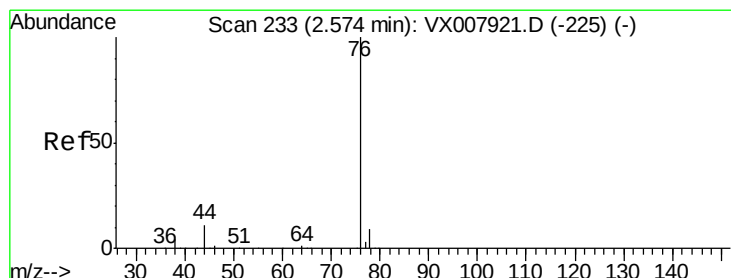
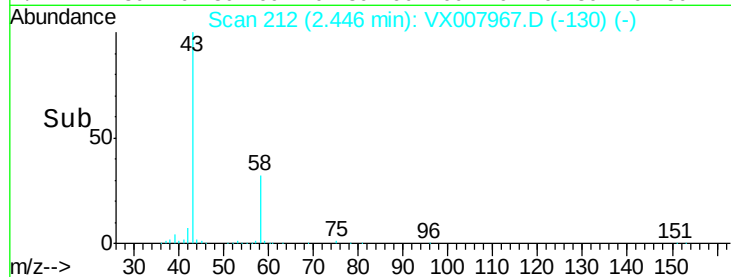
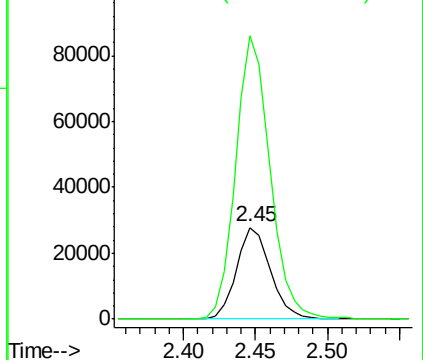
58 100

43 308.5 249.8 374.6



Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0



#16

Carbon Disulfide

Concen: 19.597 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.00 min

Lab File: VX007967.D

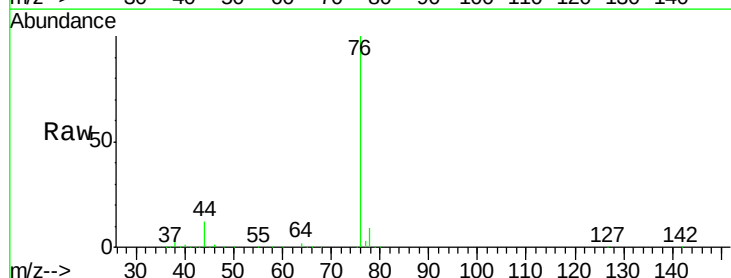
Acq: 11 Mar 2019 13:30

Tgt Ion: 76 Resp: 147846

Ion Ratio Lower Upper

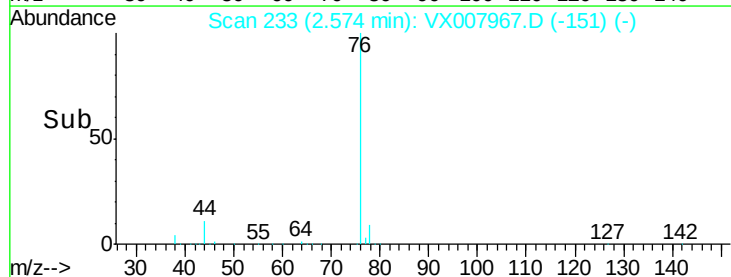
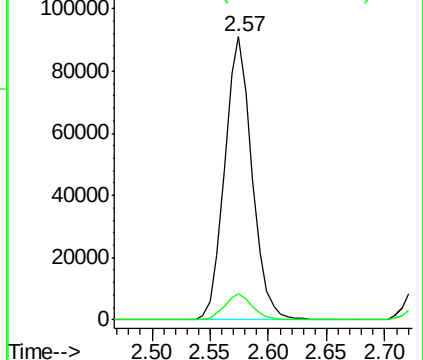
76 100

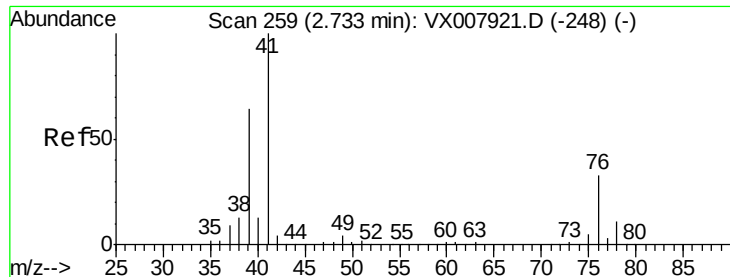
78 9.1 7.5 11.3



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0





#17

Allvl chloride

Concen: 19.448 ug/l

RT: 2.73 min Scan# 259

Delta R.T. 0.00 min

Lab File: VX007967.D

Acq: 11 Mar 2019 13:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

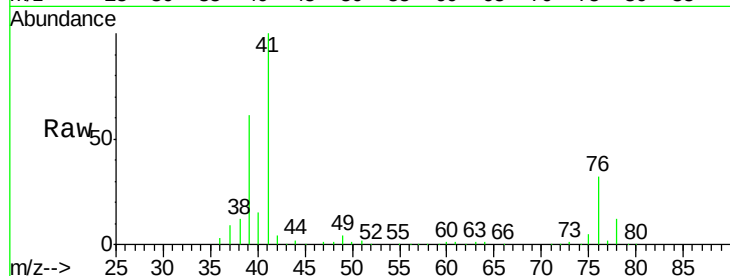
Tot Ion: 41 Resp: 95874

Ion Ratio Lower Upper

41 100

39 60.8 35.8 107.4

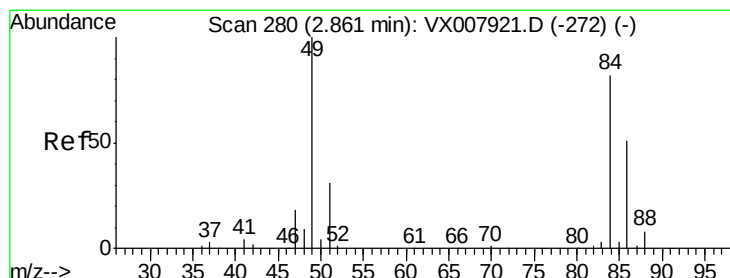
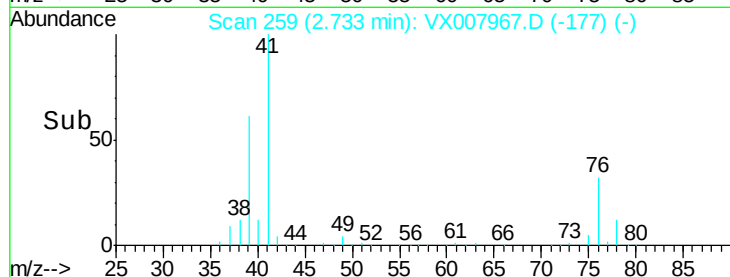
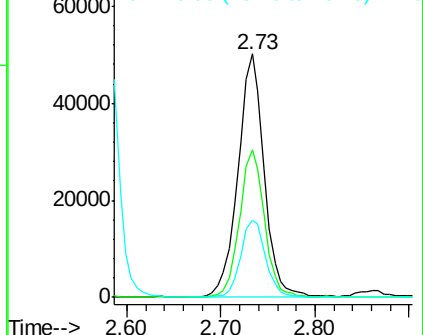
76 31.8 18.3 54.9



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 76.00 (75.70 to 76.70): VX0



#18

Methylene Chloride

Concen: 19.557 ug/l

RT: 2.86 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX007967.D

Acq: 11 Mar 2019 13:30

Tgt Ion: 84 Resp: 53575

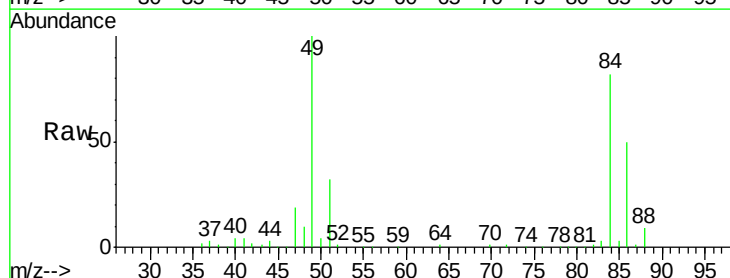
Ion Ratio Lower Upper

84 100

49 121.8 96.1 144.1

51 38.8 29.1 43.7

86 61.4 47.3 70.9

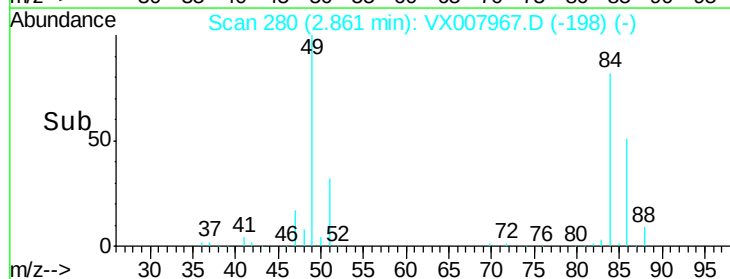
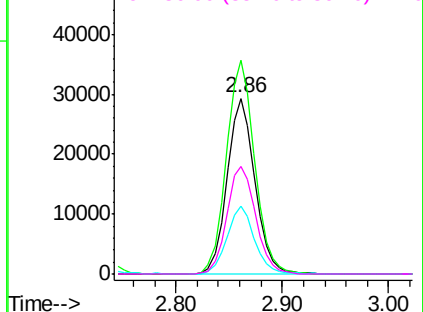


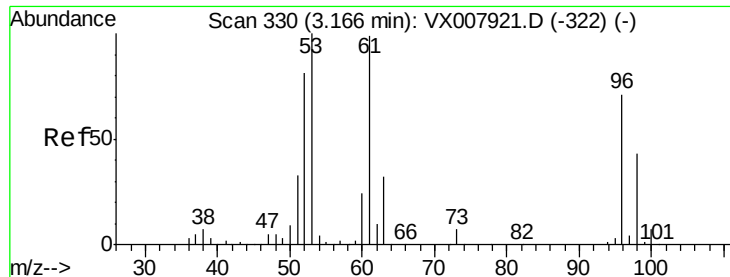
Abundance Ion 84.00 (83.70 to 84.70): VX0

Ion 49.00 (48.70 to 49.70): VX0

Ion 51.00 (50.70 to 51.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

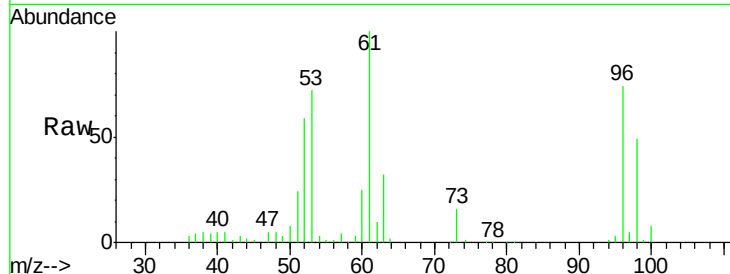




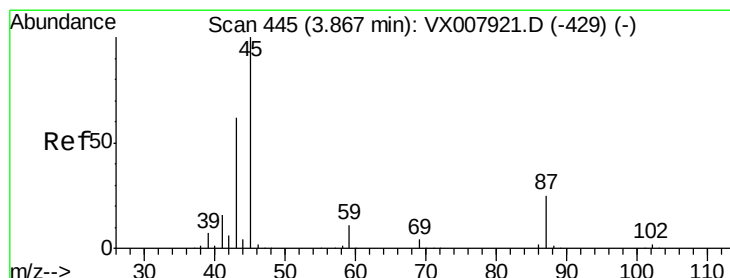
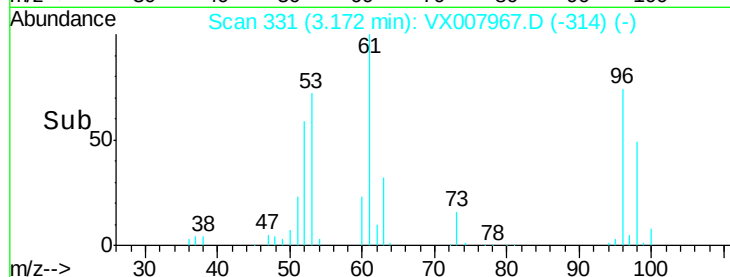
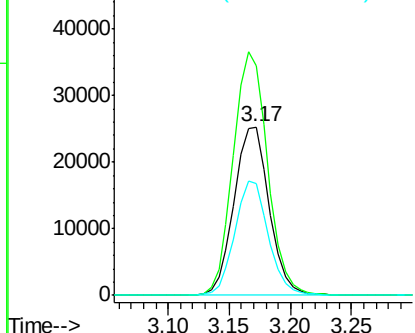
#19
trans-1,2-Dichloroethene
Concen: 19.869 ug/l
RT: 3.17 min Scan# 331
Delta R.T. 0.01 min
Lab File: VX007967.D
Acq: 11 Mar 2019 13:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion: 96 Resp: 50551
Ion Ratio Lower Upper
96 100
61 136.0 109.9 164.9
98 66.5 50.4 75.6

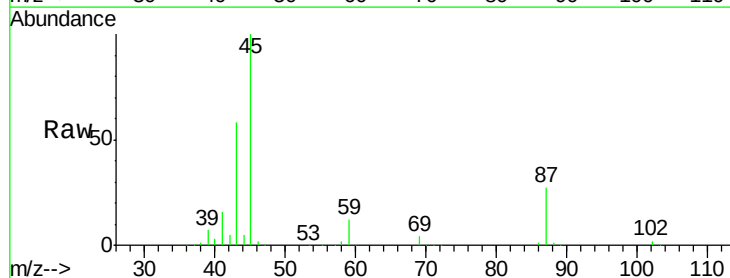


Abundance Ion 96.00 (95.70 to 96.70): VX0
Ion 61.00 (60.70 to 61.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

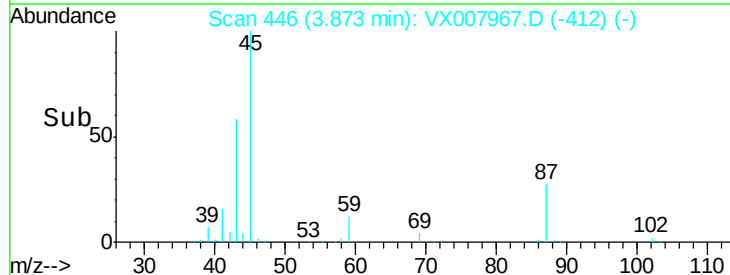
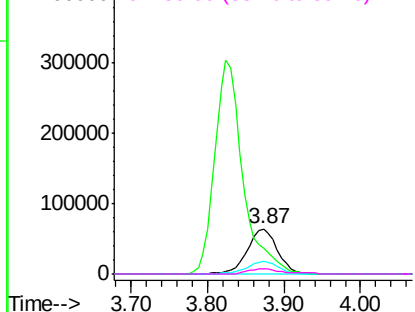


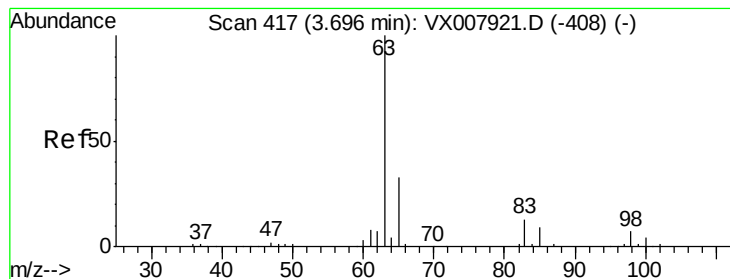
#20
Diisopropyl ether
Concen: 19.707 ug/l
RT: 3.87 min Scan# 446
Delta R.T. 0.01 min
Lab File: VX007967.D
Acq: 11 Mar 2019 13:30

Tgt Ion: 45 Resp: 177733
Ion Ratio Lower Upper
45 100
43 57.4 50.6 76.0
87 27.2 24.5 36.7
59 11.9 10.2 15.2



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





#21

1,1-Dichloroethane

Concen: 19.822 ug/l

RT: 3.70 min Scan# 418

Delta R.T. 0.01 min

Lab File: VX007967.D

Acq: 11 Mar 2019 13:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

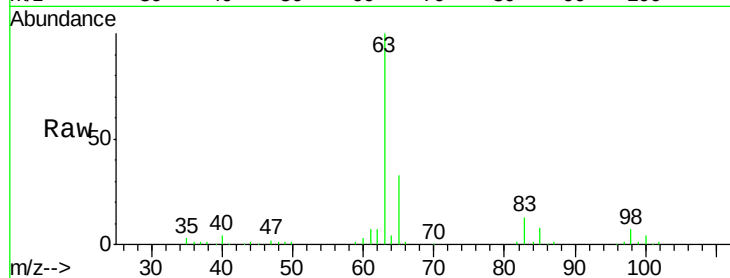
Tot Ion: 63 Resp: 97228

Ion Ratio Lower Upper

63 100

98 7.1 3.8 11.4

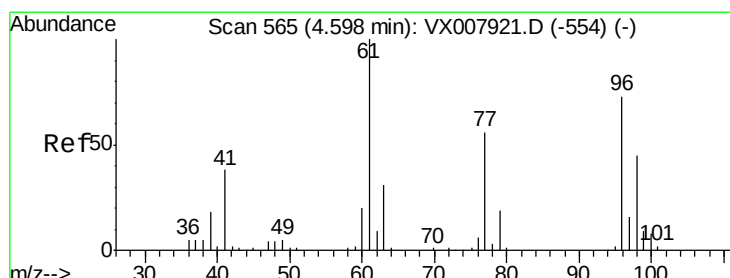
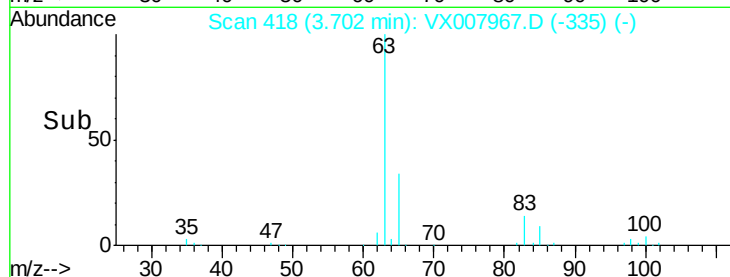
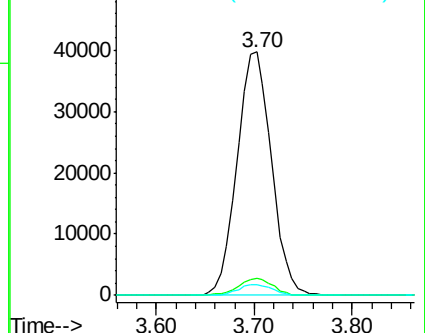
100 4.4 2.4 7.1



Abundance Ion 63.00 (62.70 to 63.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0



#22

cis-1,2-Dichloroethene

Concen: 19.753 ug/l

RT: 4.60 min Scan# 566

Delta R.T. 0.01 min

Lab File: VX007967.D

Acq: 11 Mar 2019 13:30

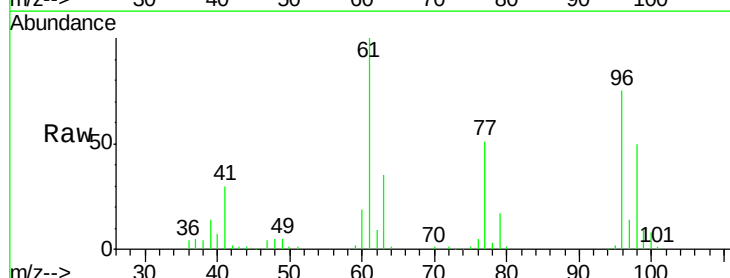
Tgt Ion: 96 Resp: 57971

Ion Ratio Lower Upper

96 100

61 144.4 103.5 155.3

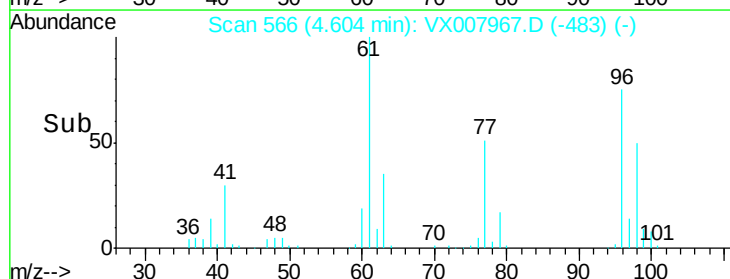
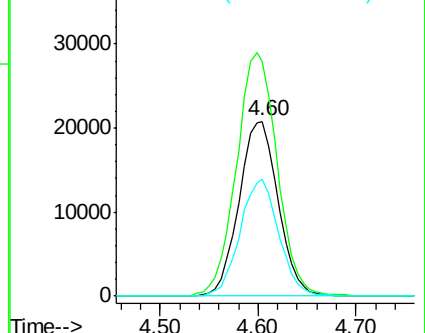
98 66.0 52.1 78.1

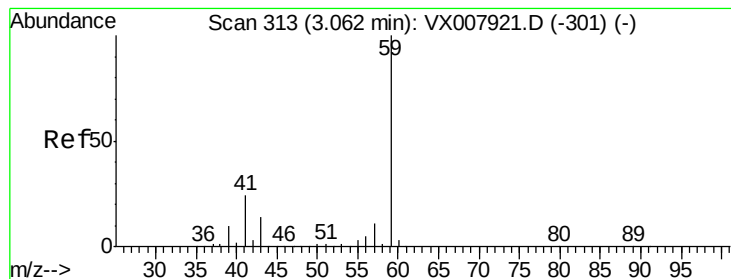


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0



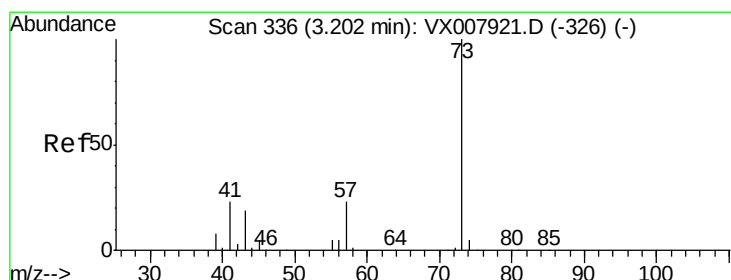
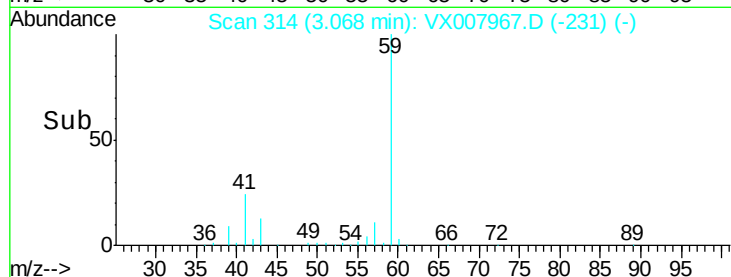
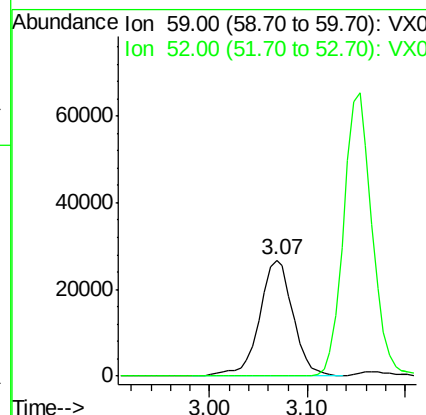
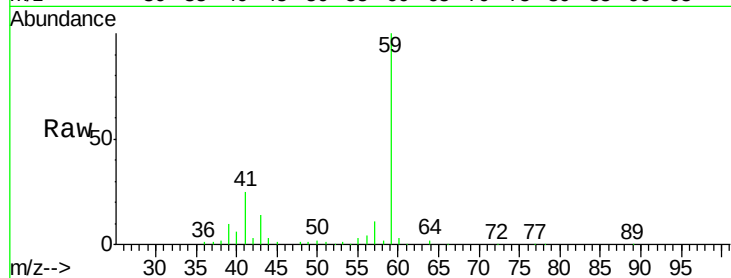


#23

tert-Butyl Alcohol
 Concen: 97.739 ug/l
 RT: 3.07 min Scan# 314
 Delta R.T. 0.01 min
 Lab File: VX007967.D
 Acq: 11 Mar 2019 13:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

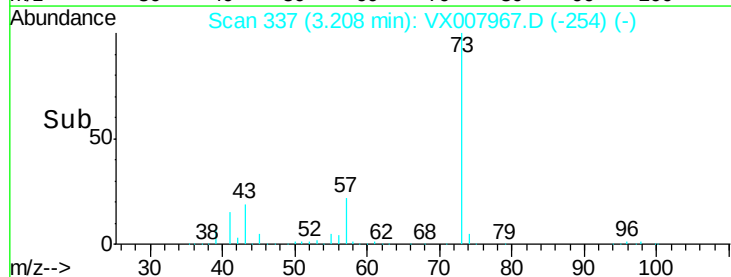
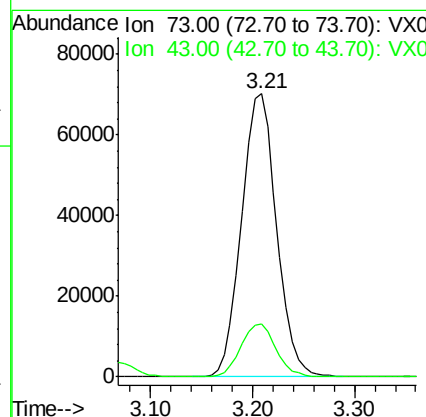
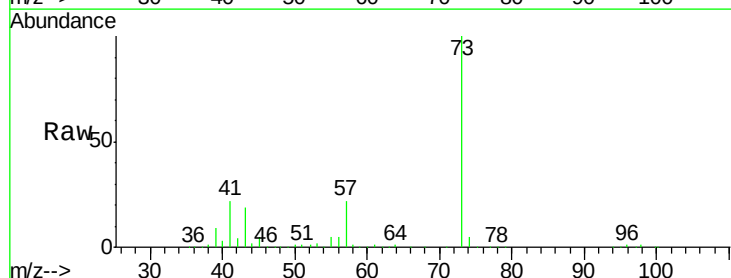
Tot Ion: 59 Resp: 63655
 Ion Ratio Lower Upper
 59 100
 52 0.3 0.2 0.2#

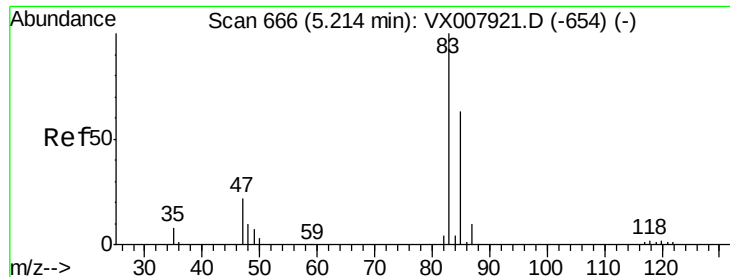


#24

Methyl tert-Butyl Ether
 Concen: 20.235 ug/l
 RT: 3.21 min Scan# 337
 Delta R.T. 0.01 min
 Lab File: VX007967.D
 Acq: 11 Mar 2019 13:30

Tgt Ion: 73 Resp: 167294
 Ion Ratio Lower Upper
 73 100
 43 18.8 17.1 25.7

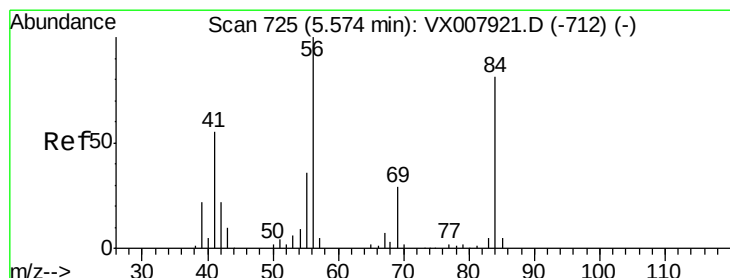
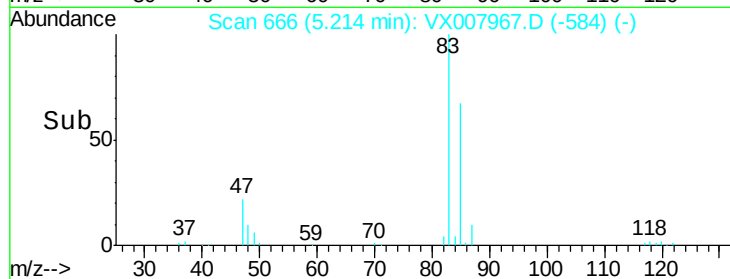
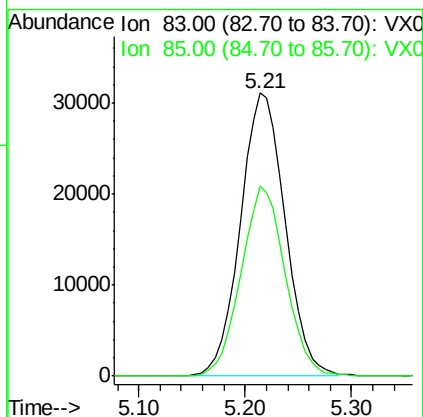
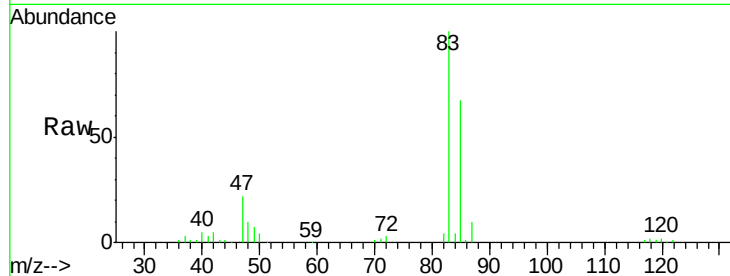




#25
Chloroform
Concen: 19.754 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX007967.D
Acq: 11 Mar 2019 13:30

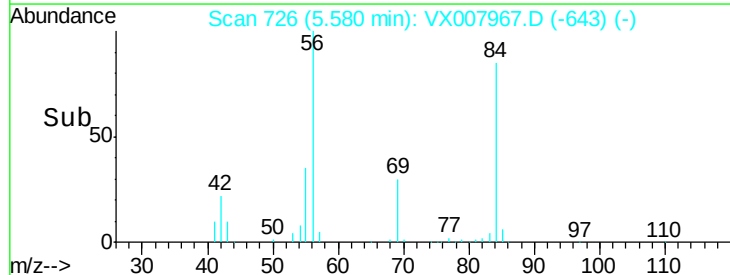
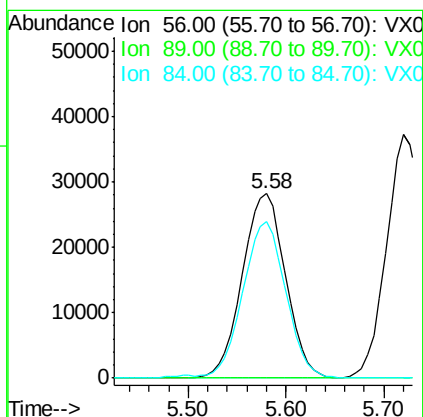
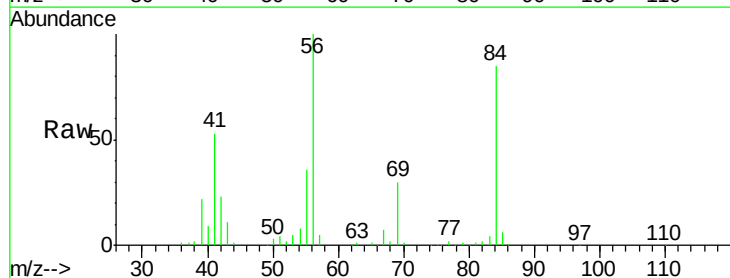
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

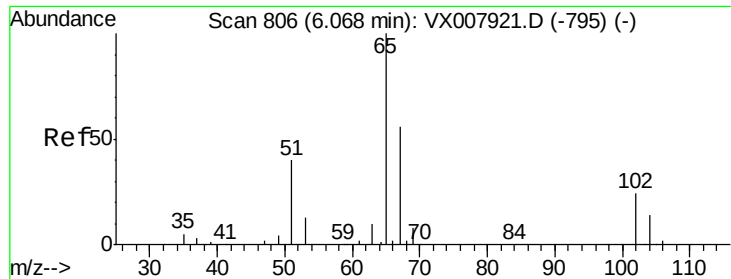
Tot Ion: 83 Resp: 91453
Ion Ratio Lower Upper
83 100
85 67.1 53.8 80.6



#26
Cyclohexane
Concen: 19.110 ug/l
RT: 5.58 min Scan# 726
Delta R.T. 0.01 min
Lab File: VX007967.D
Acq: 11 Mar 2019 13:30

Tgt Ion: 56 Resp: 86613
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 84.4 73.9 110.9





#27

1,2-Dichloroethane-d4

Concen: 29.680 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX007967.D

Acq: 11 Mar 2019 13:30

Instrument :

MSVOA_X

ClientSampleId :

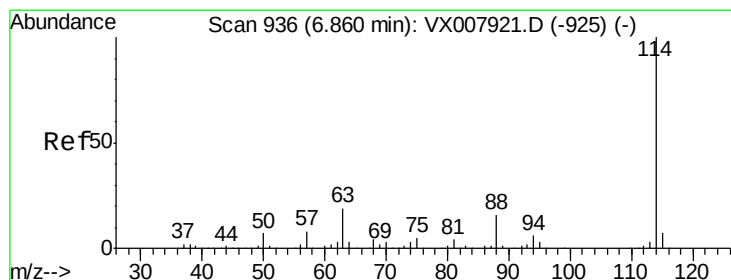
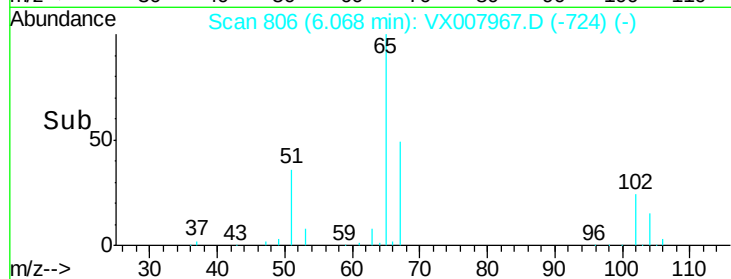
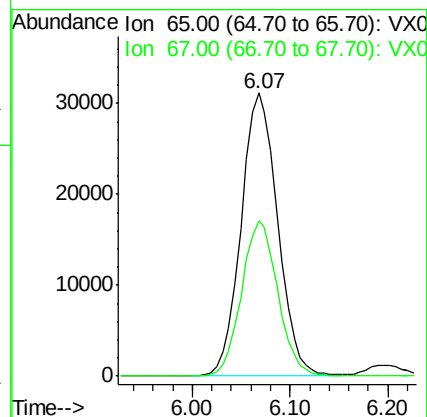
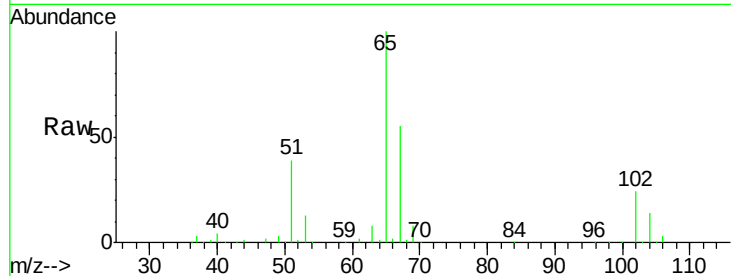
VSTDCCC020EC

Tot Ion: 65 Resp: 80840

Ion Ratio Lower Upper

65 100

67 54.2 42.9 64.3



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX007967.D

Acq: 11 Mar 2019 13:30

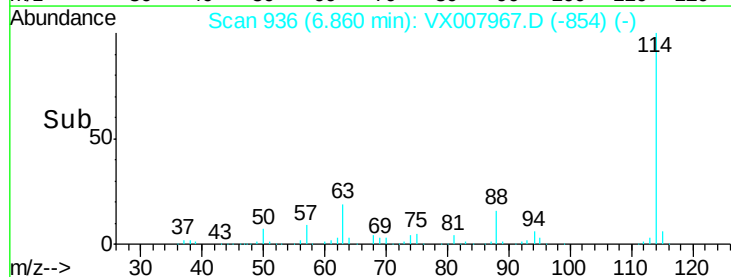
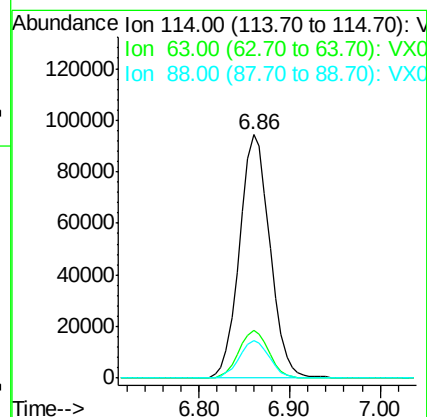
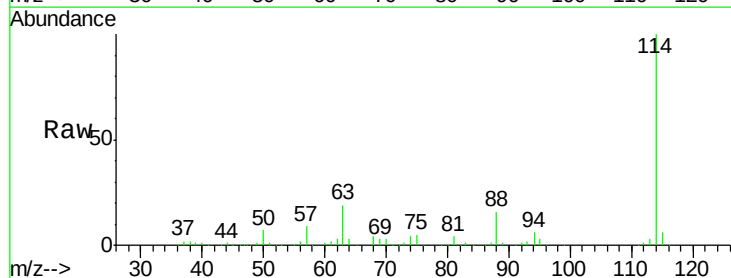
Tgt Ion: 114 Resp: 220594

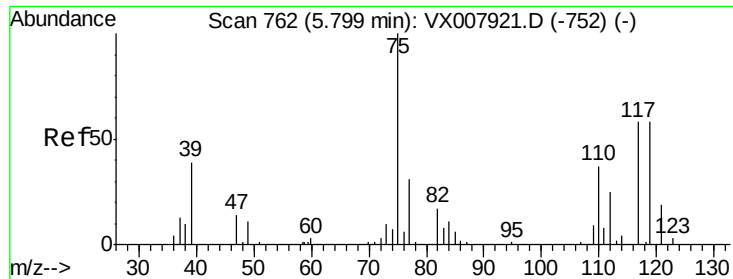
Ion Ratio Lower Upper

114 100

63 19.6 14.2 21.4

88 15.4 11.9 17.9

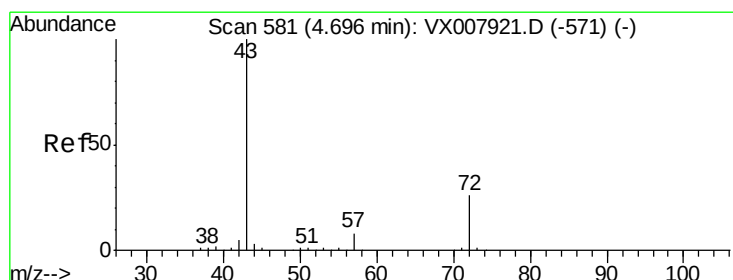
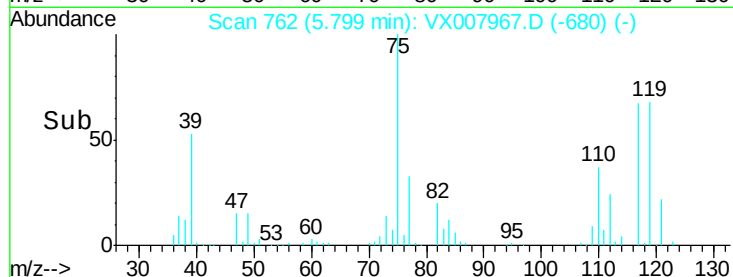
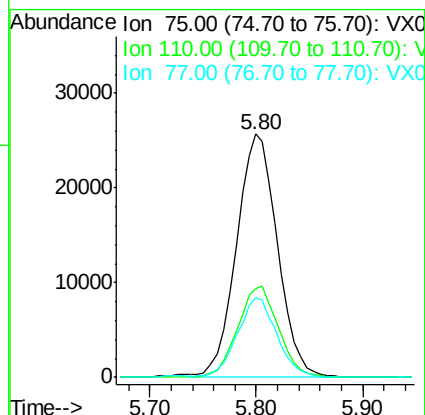
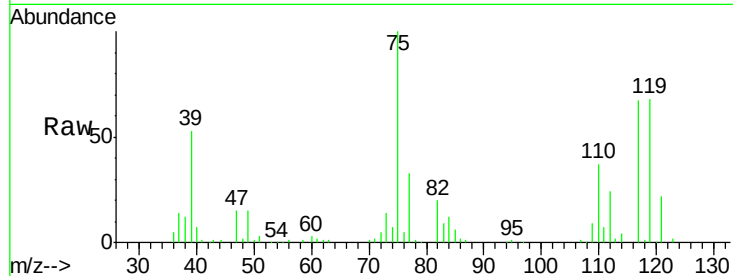




#29
 1,1-Dichloropropene
 Concen: 19.790 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: VX007967.D
 Acq: 11 Mar 2019 13:30

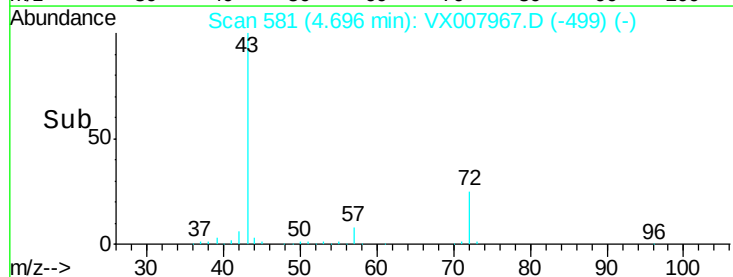
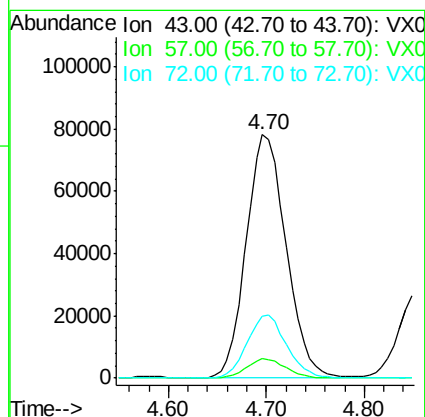
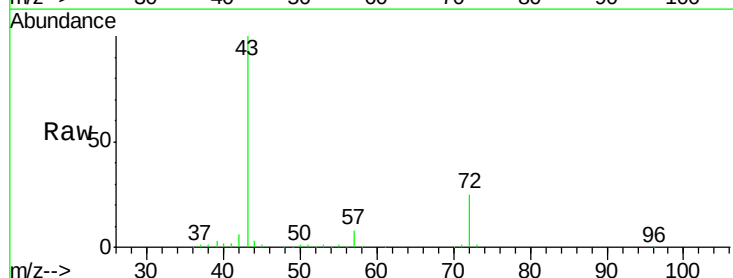
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

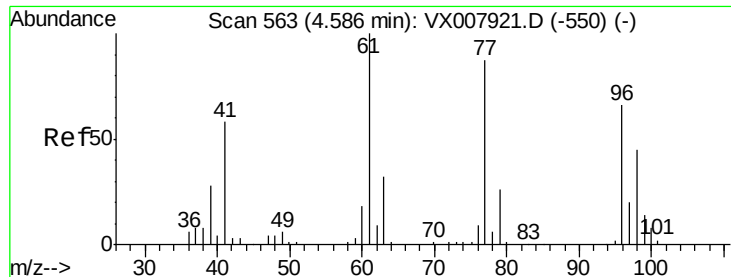
Tot Ion	Ratio	Lower	Upper
75	100		
110	37.4	0.0	80.8
77	31.8	0.0	62.4



#30
 2-Butanone
 Concen: 93.699 ug/l
 RT: 4.70 min Scan# 581
 Delta R.T. 0.00 min
 Lab File: VX007967.D
 Acq: 11 Mar 2019 13:30

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.0	7.0	10.6
72	25.4	21.5	32.3





#31

2,2-Dichloropropane

Concen: 20.110 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.00 min

Lab File: VX007967.D

Acq: 11 Mar 2019 13:30

Instrument :

MSVOA_X

ClientSampleId :

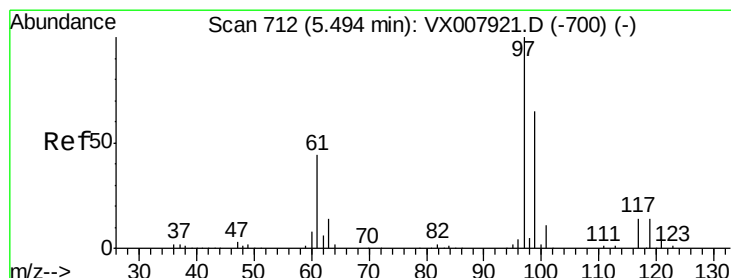
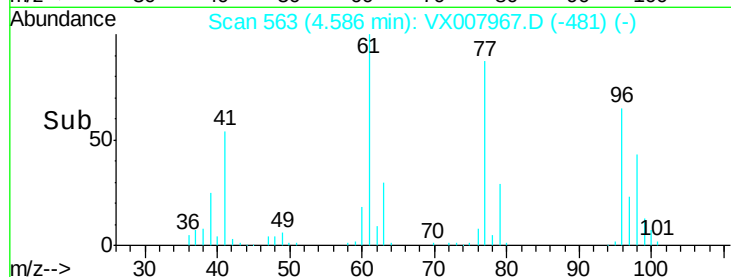
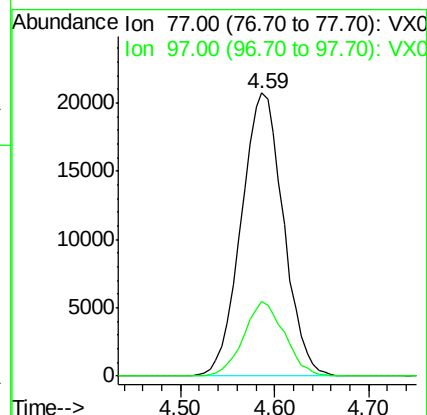
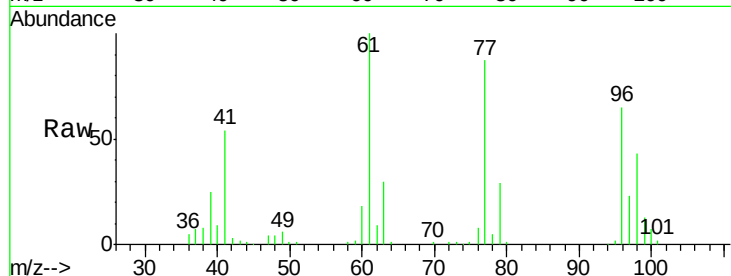
VSTDCCC020EC

Tot Ion: 77 Resp: 64968

Ion Ratio Lower Upper

77 100

97 25.5 20.6 31.0



#32

1,1,1-Trichloroethane

Concen: 20.513 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX007967.D

Acq: 11 Mar 2019 13:30

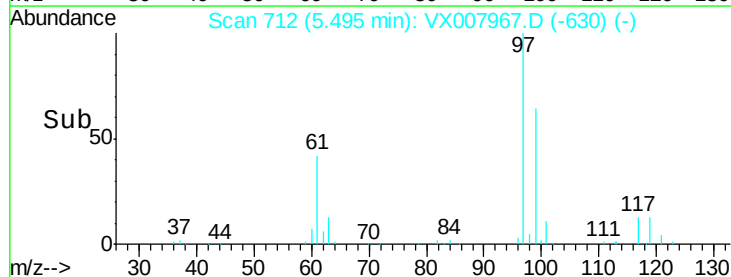
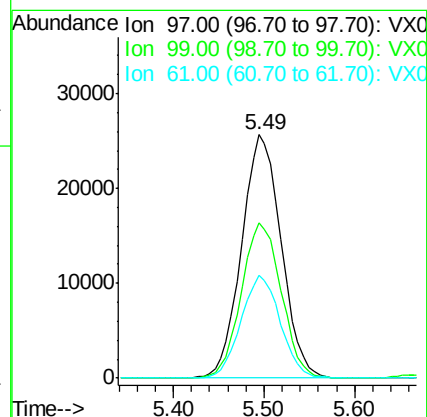
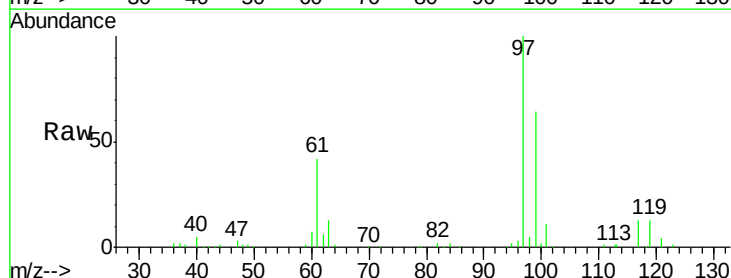
Tgt Ion: 97 Resp: 77586

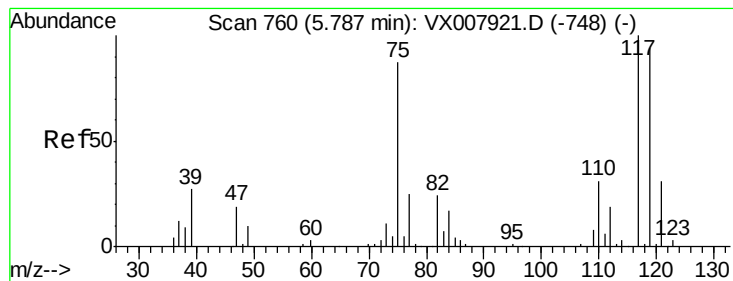
Ion Ratio Lower Upper

97 100

99 64.1 51.7 77.5

61 42.0 32.8 49.2





#33

Carbon Tetrachloride

Concen: 20.139 ug/l

RT: 5.78 min Scan# 759

Delta R.T. -0.01 min

Lab File: VX007967.D

Acq: 11 Mar 2019 13:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

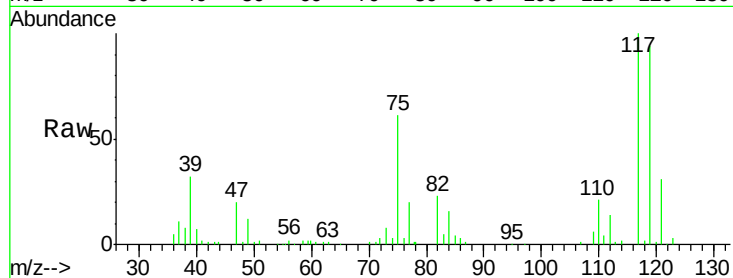
Tot Ion:117 Resp: 67562

Ion Ratio Lower Upper

117 100

119 93.6 78.1 117.1

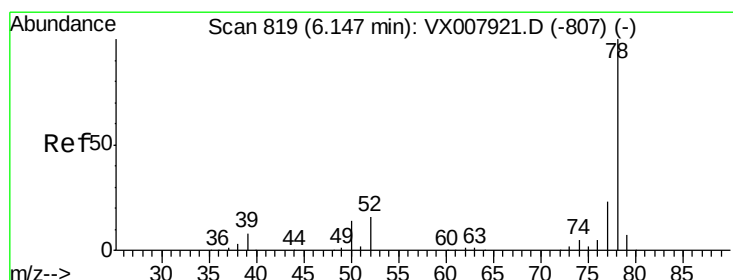
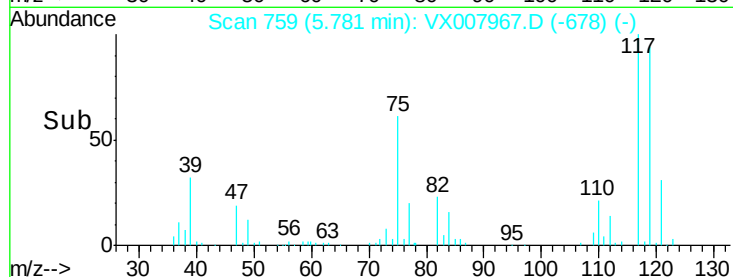
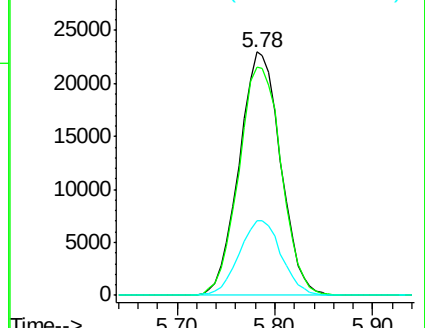
121 30.6 27.0 40.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#34

Benzene

Concen: 20.362 ug/l

RT: 6.15 min Scan# 819

Delta R.T. 0.00 min

Lab File: VX007967.D

Acq: 11 Mar 2019 13:30

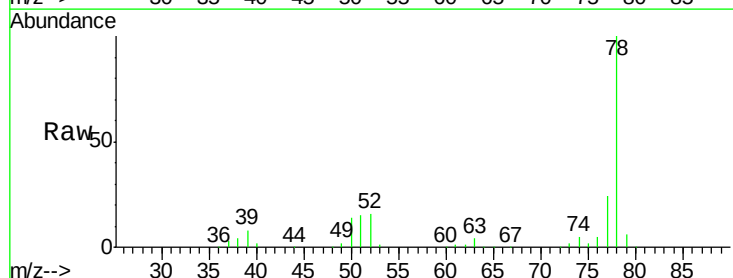
Tgt Ion: 78 Resp: 218255

Ion Ratio Lower Upper

78 100

77 24.2 19.1 28.7

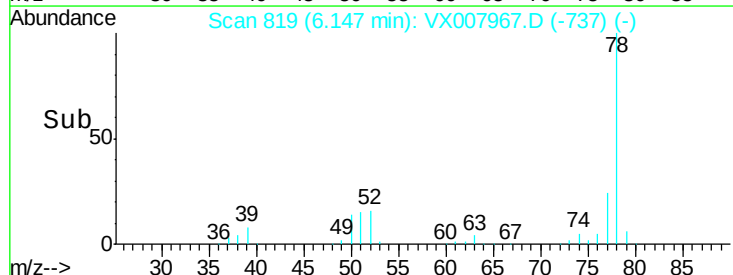
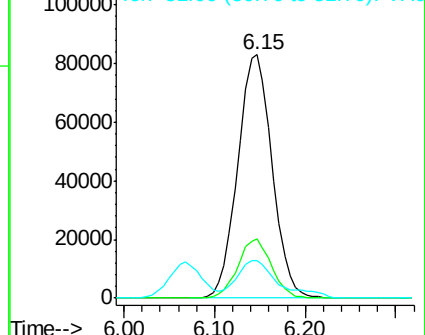
51 15.1 10.8 16.2

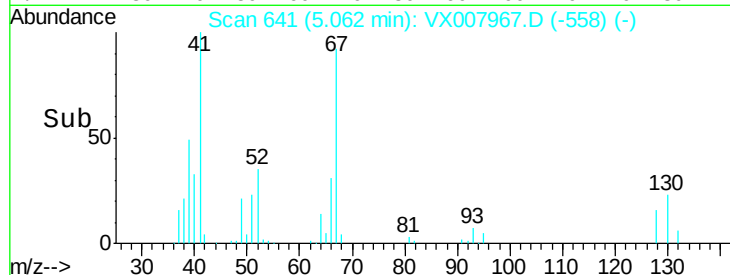
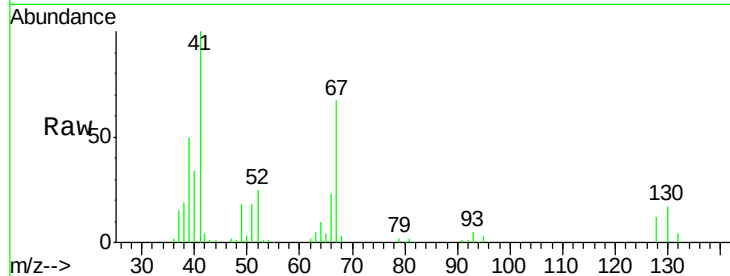
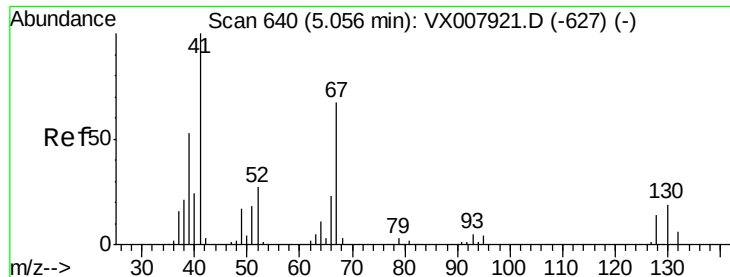


Abundance Ion 78.10 (77.80 to 78.80): VX0

Ion 77.00 (76.70 to 77.70): VX0

Ion 51.00 (50.70 to 51.70): VX0

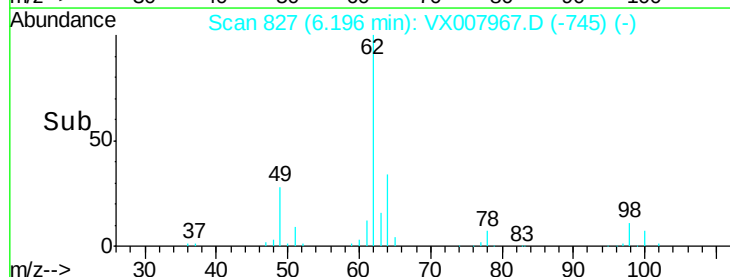
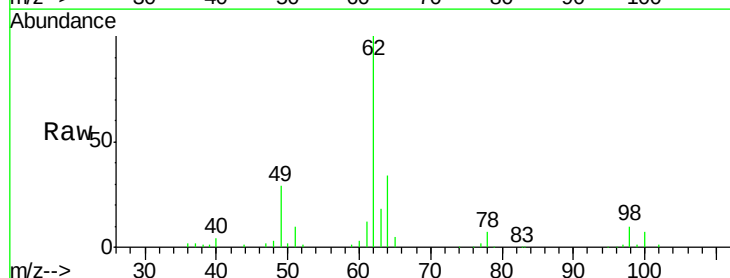
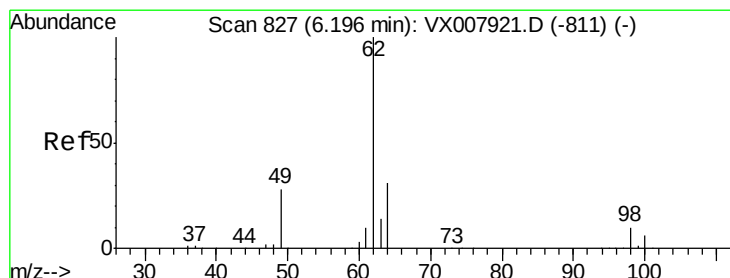
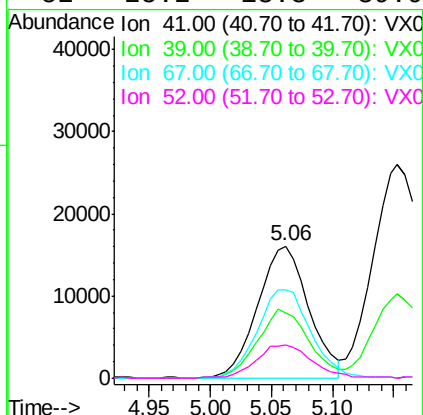




#35
Methacrylonitrile
Concen: 20.301 ug/l
RT: 5.06 min Scan# 641
Delta R.T. 0.01 min
Lab File: VX007967.D
Acq: 11 Mar 2019 13:30

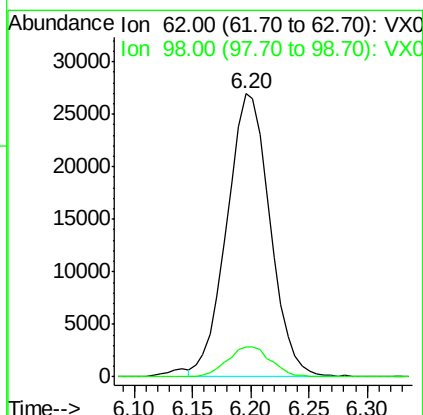
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

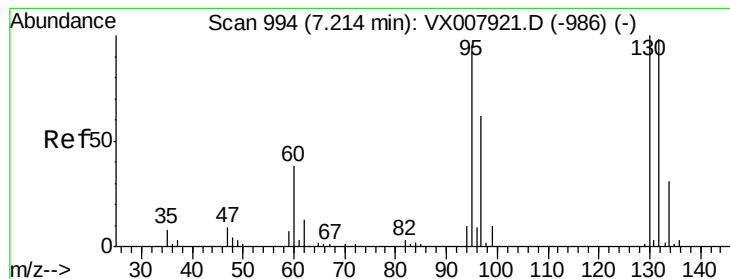
Tot Ion: 41 Resp: 46668
Ion Ratio Lower Upper
41 100
39 49.7 27.4 82.0
67 66.8 37.9 113.6
52 25.2 13.3 39.9



#36
1,2-Dichloroethane
Concen: 20.001 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.00 min
Lab File: VX007967.D
Acq: 11 Mar 2019 13:30

Tgt Ion: 62 Resp: 69750
Ion Ratio Lower Upper
62 100
98 10.7 7.8 11.8





#37

Trichloroethene

Concen: 20.415 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX007967.D

Acq: 11 Mar 2019 13:30

Instrument :

MSVOA_X

ClientSampleId :

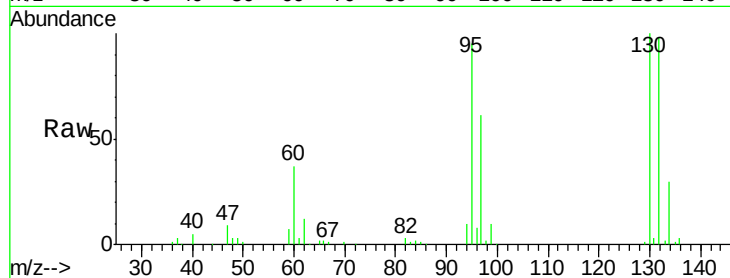
VSTDCCC020EC

Tot Ion:130 Resp: 59287

Ion Ratio Lower Upper

130 100

95 94.6 71.3 106.9



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VX0

7.21

30000

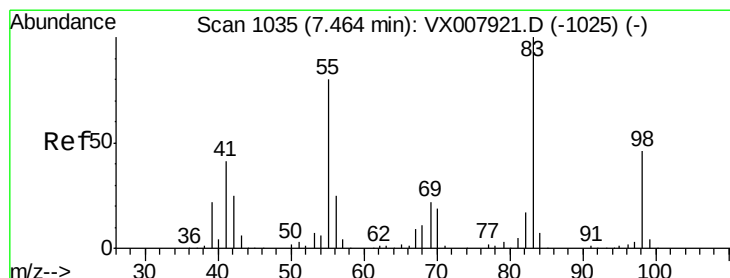
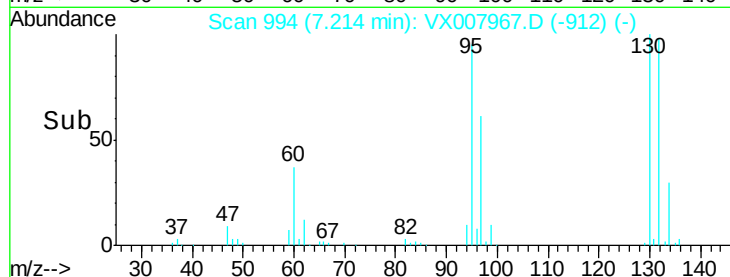
20000

10000

0

7.15 7.20 7.25 7.30

Time-->



#38

Methylcyclohexane

Concen: 18.853 ug/l

RT: 7.46 min Scan# 1035

Delta R.T. 0.00 min

Lab File: VX007967.D

Acq: 11 Mar 2019 13:30

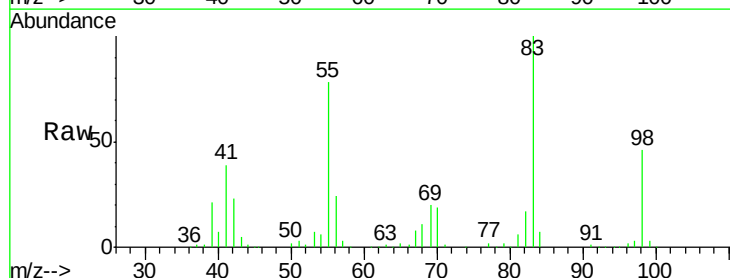
Tgt Ion: 83 Resp: 83838

Ion Ratio Lower Upper

83 100

55 77.1 36.0 108.0

98 46.2 23.8 71.4



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

7.46

50000

40000

30000

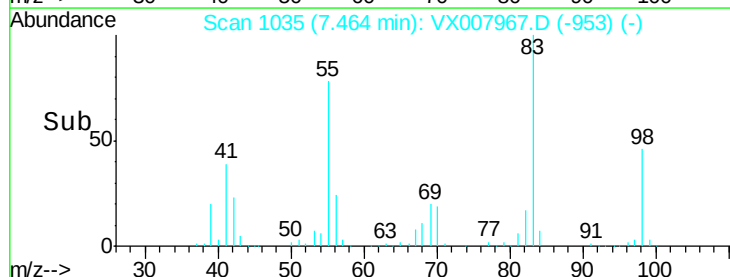
20000

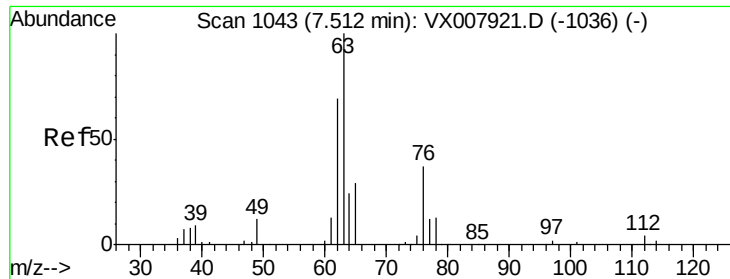
10000

0

7.40 7.50 7.60

Time-->

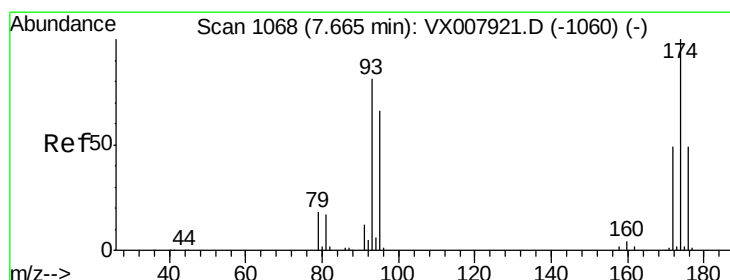
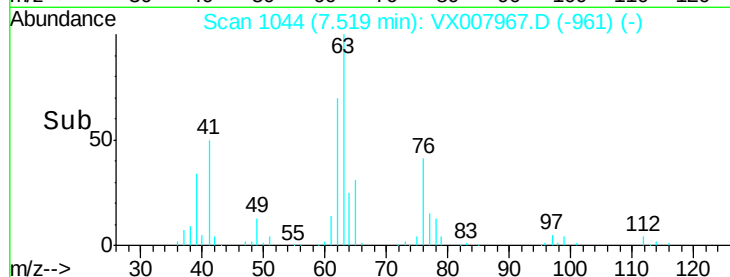
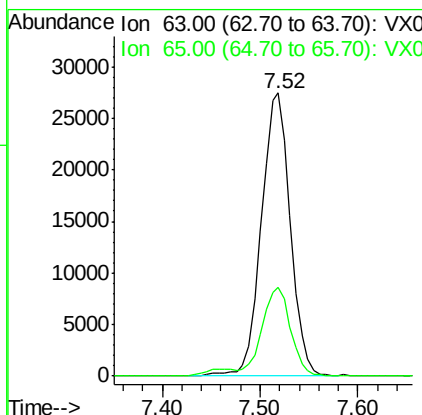
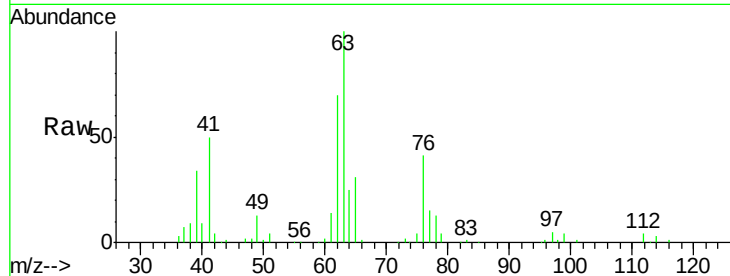




#39
 1,2-Dichloropropane
 Concen: 20.408 ug/l
 RT: 7.52 min Scan# 1044
 Delta R.T. 0.01 min
 Lab File: VX007967.D
 Acq: 11 Mar 2019 13:30

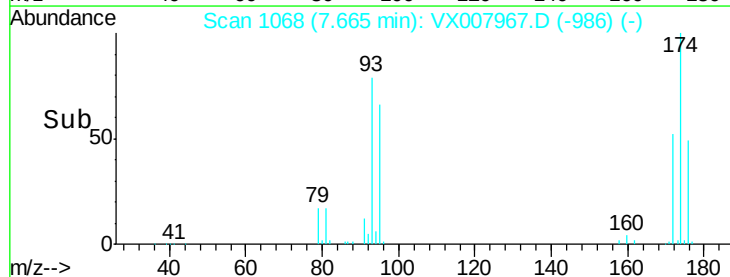
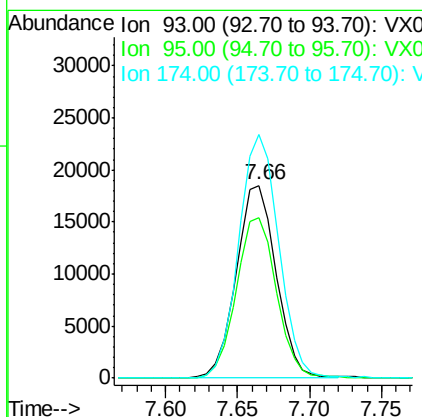
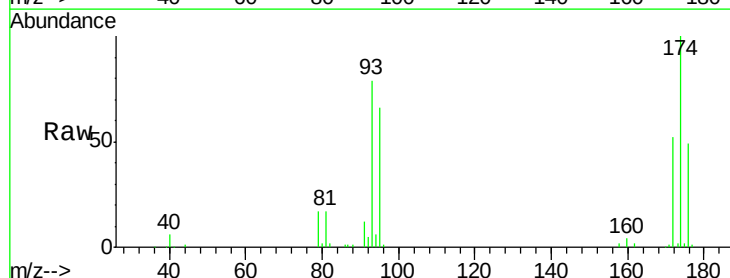
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

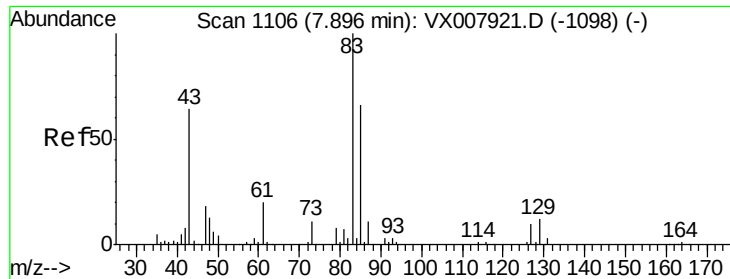
Tot Ion: 63 Resp: 57049
 Ion Ratio Lower Upper
 63 100
 65 31.3 24.6 37.0



#40
 Dibromomethane
 Concen: 20.144 ug/l
 RT: 7.66 min Scan# 1068
 Delta R.T. 0.00 min
 Lab File: VX007967.D
 Acq: 11 Mar 2019 13:30

Tgt Ion: 93 Resp: 35719
 Ion Ratio Lower Upper
 93 100
 95 84.0 0.0 158.8
 174 125.8 0.0 224.2





#41

Bromodichloromethane

Concen: 20.130 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX007967.D

Acq: 11 Mar 2019 13:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

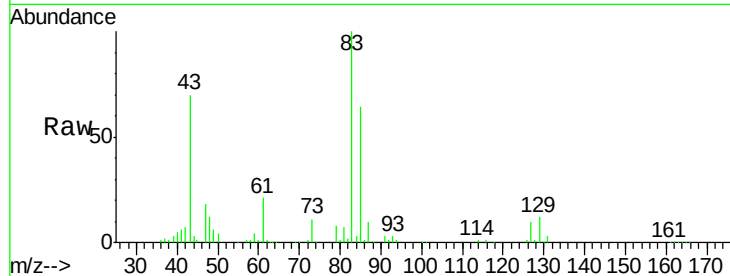
Tot Ion: 83 Resp: 67468

Ion Ratio Lower Upper

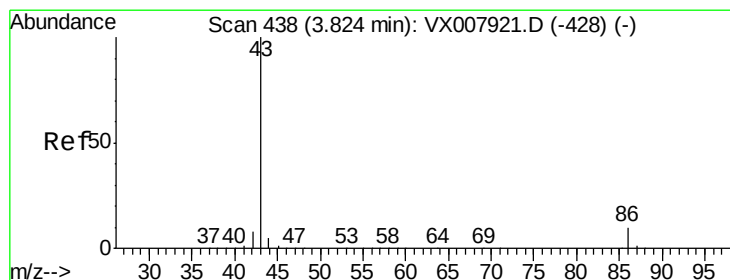
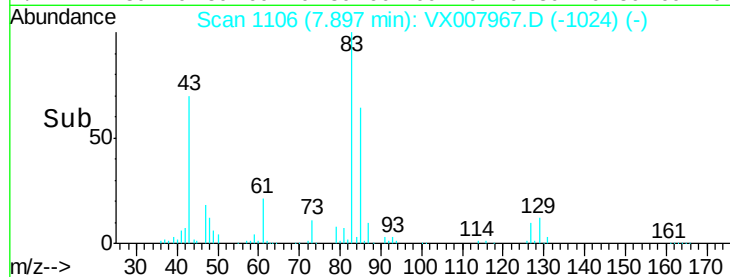
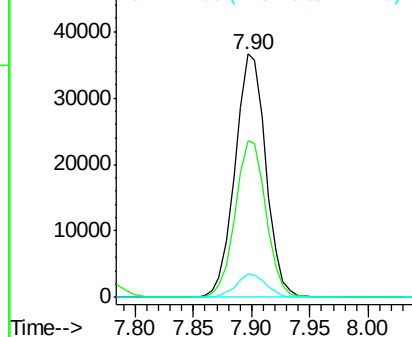
83 100

85 64.4 51.1 76.7

127 9.5 7.2 10.8



Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 85.00 (84.70 to 85.70): VX0
Ion 127.00 (126.70 to 127.70): V



#42

Vinyl Acetate

Concen: 101.907 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.00 min

Lab File: VX007967.D

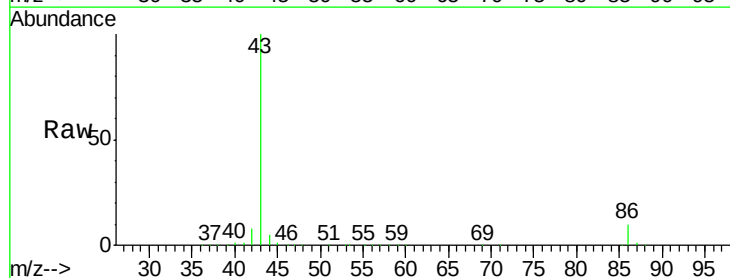
Acq: 11 Mar 2019 13:30

Tgt Ion: 43 Resp: 778204

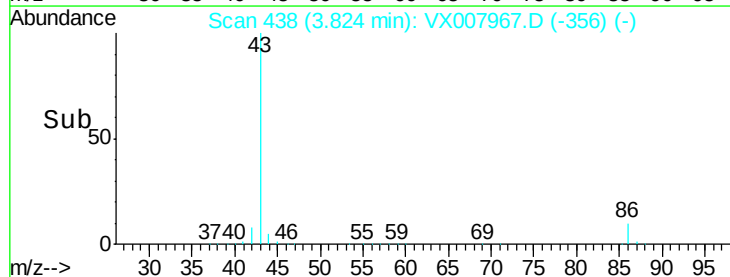
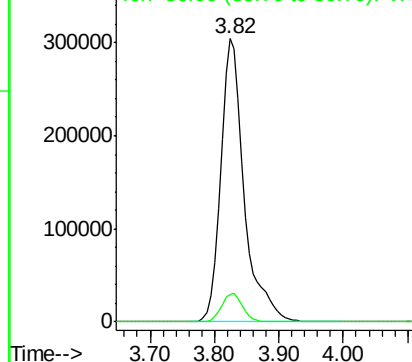
Ion Ratio Lower Upper

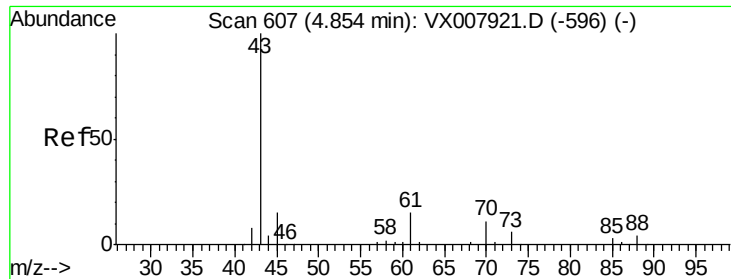
43 100

86 9.2 8.2 12.2



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 86.00 (85.70 to 86.70): VX0

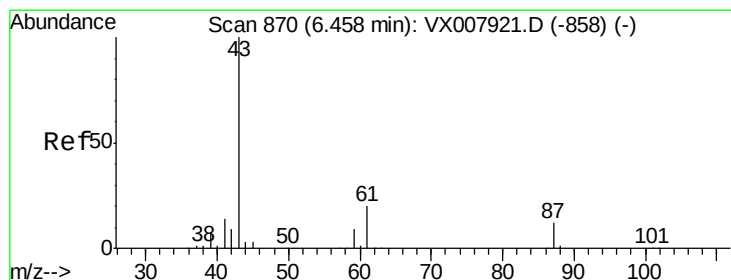
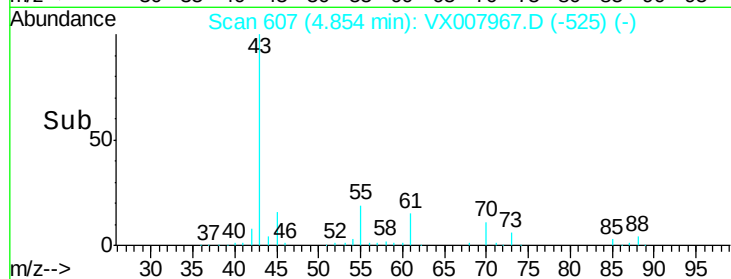
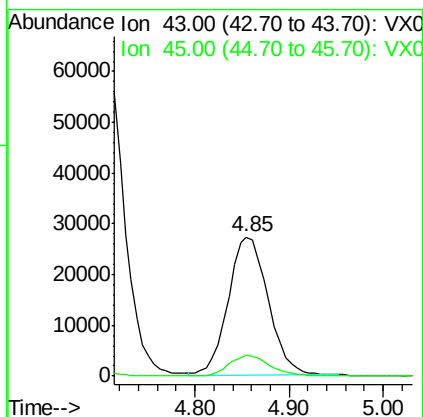
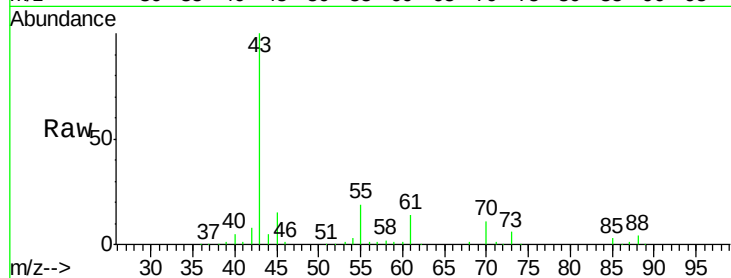




#43
Ethyl Acetate
Concen: 19.587 ug/l
RT: 4.85 min Scan# 607
Delta R.T. 0.00 min
Lab File: VX007967.D
Acq: 11 Mar 2019 13:30

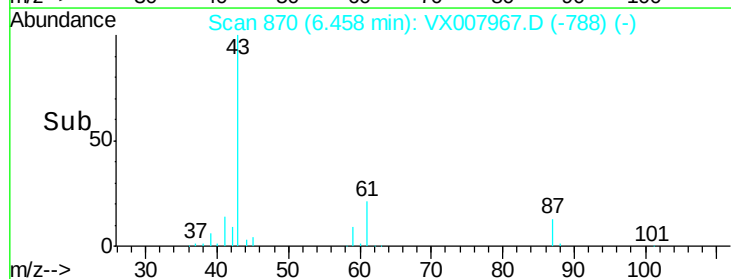
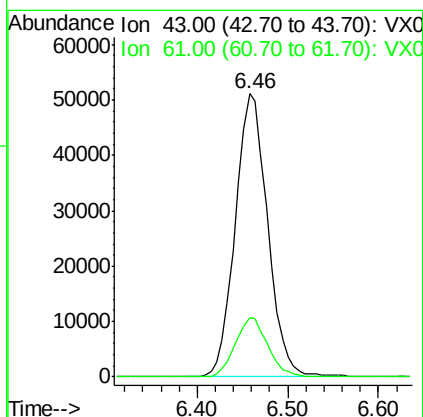
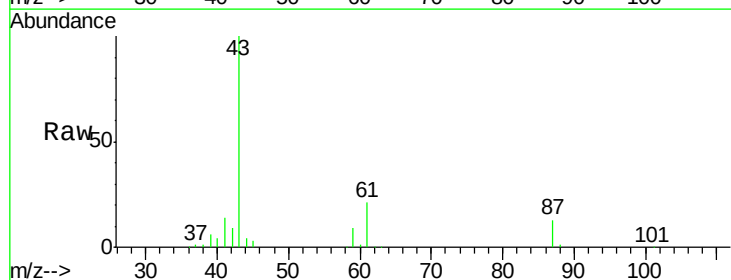
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

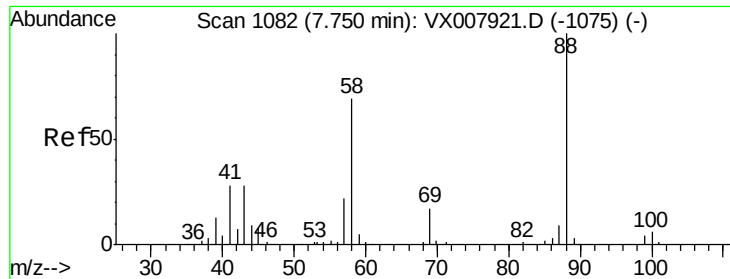
Tot Ion: 43 Resp: 80487
Ion Ratio Lower Upper
43 100
45 15.6 6.9 10.3#



#44
Isopropyl Acetate
Concen: 20.094 ug/l
RT: 6.46 min Scan# 870
Delta R.T. 0.00 min
Lab File: VX007967.D
Acq: 11 Mar 2019 13:30

Tgt Ion: 43 Resp: 125987
Ion Ratio Lower Upper
43 100
61 21.0 16.1 24.1





#45

1,4-Dioxane

Concen: 355.676 ug/l

RT: 7.75 min Scan# 1082

Delta R.T. 0.00 min

Lab File: VX007967.D

Acq: 11 Mar 2019 13:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

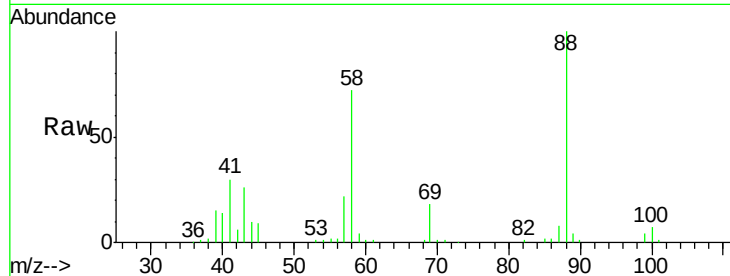
Tot Ion: 88 Resp: 23331

Ion Ratio Lower Upper

88 100

43 32.9 23.6 35.4

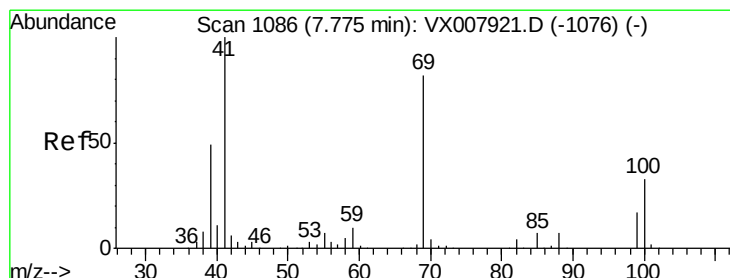
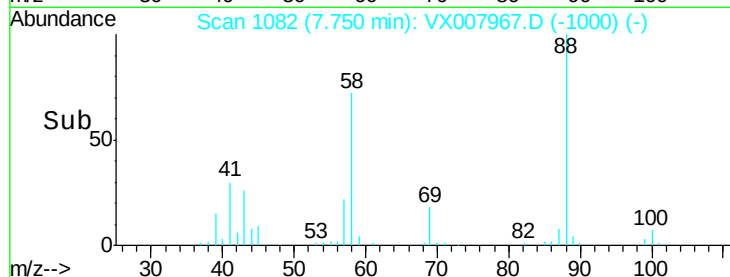
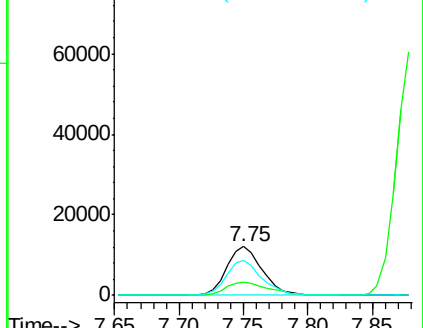
58 73.2 51.6 77.4



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#46

Methyl methacrylate

Concen: 19.879 ug/l

RT: 7.77 min Scan# 1086

Delta R.T. 0.00 min

Lab File: VX007967.D

Acq: 11 Mar 2019 13:30

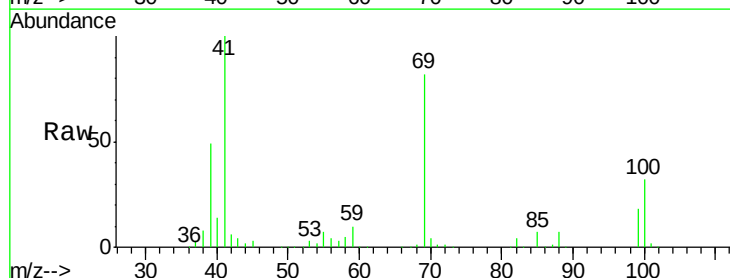
Tgt Ion: 41 Resp: 65550

Ion Ratio Lower Upper

41 100

69 82.3 44.2 132.6

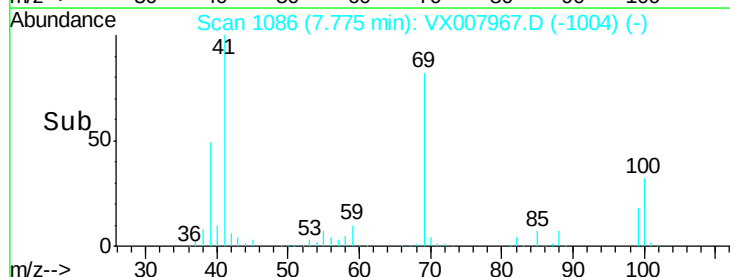
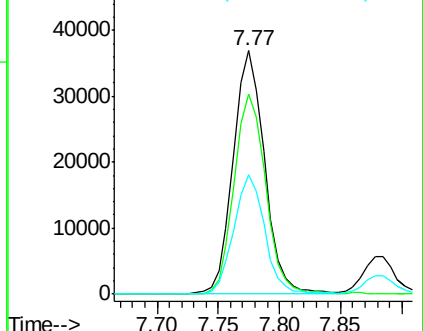
39 49.1 29.9 89.8

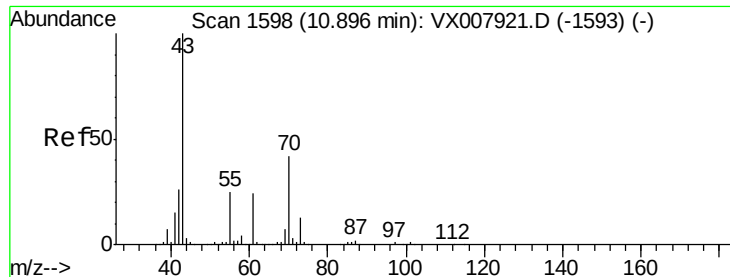


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#47

n-amvl Acetate

Concen: 19.726 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX007967.D

Acq: 11 Mar 2019 13:30

Instrument :

MSVOA_X

ClientSampleId :

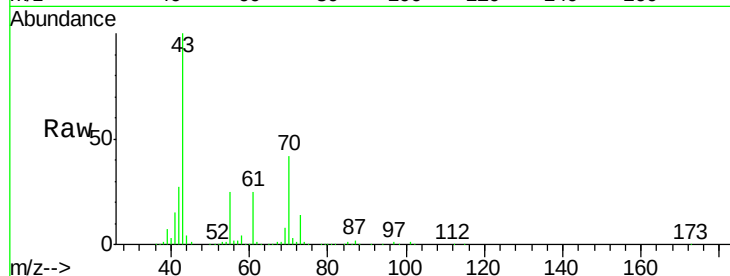
VSTDCCC020EC

Tot Ion: 43 Resp: 106566

Ion Ratio Lower Upper

43 100

55 25.2 20.8 31.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

10.90

80000

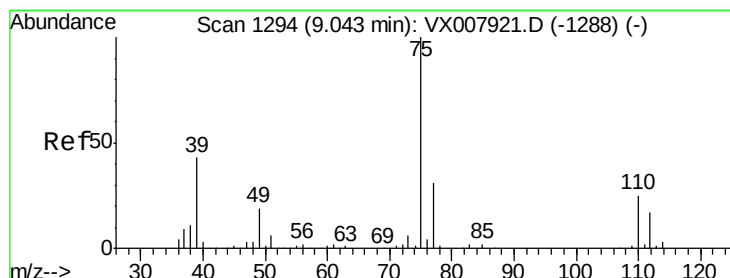
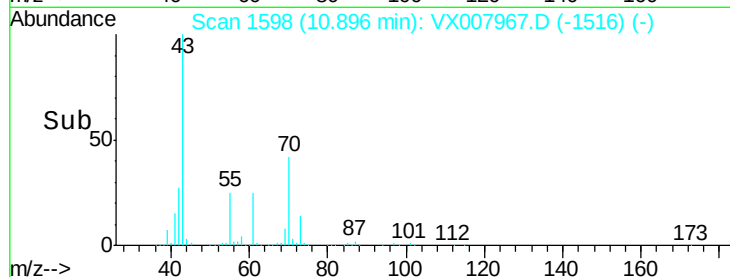
60000

40000

20000

0

Time-->



#48

t-1,3-Dichloropropene

Concen: 20.060 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX007967.D

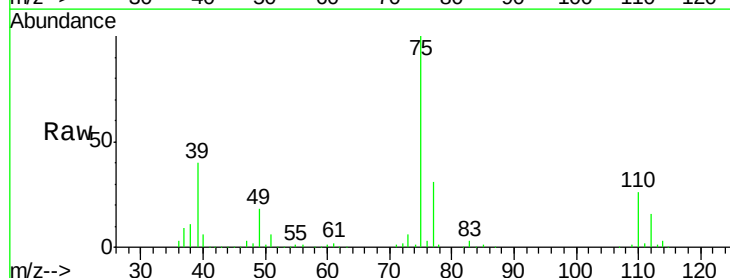
Acq: 11 Mar 2019 13:30

Tgt Ion: 75 Resp: 72814

Ion Ratio Lower Upper

75 100

77 31.0 24.5 36.7



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

9.04

60000

50000

40000

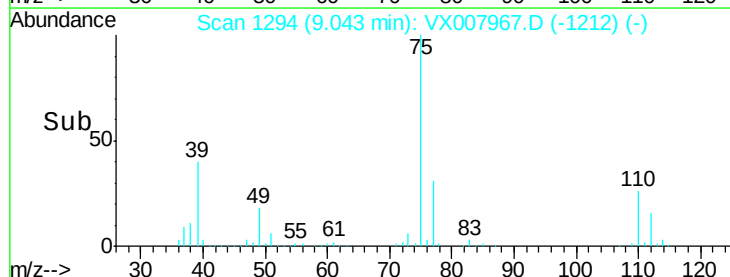
30000

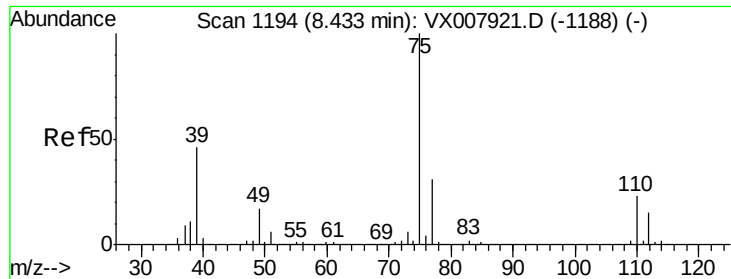
20000

10000

0

Time-->

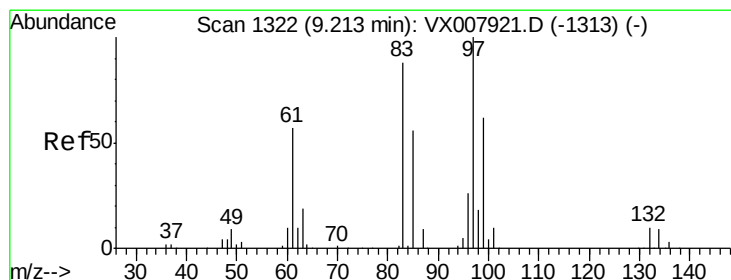
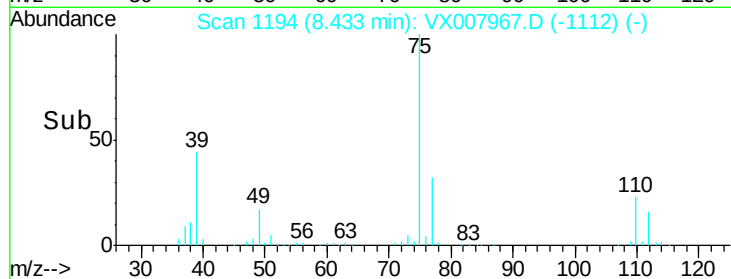
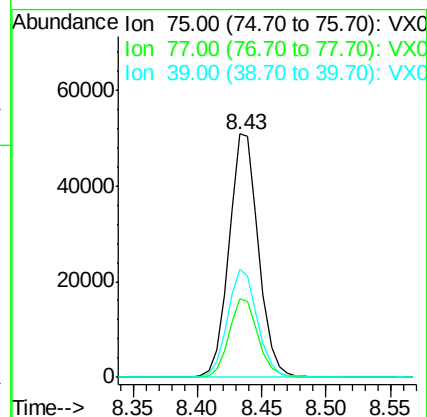
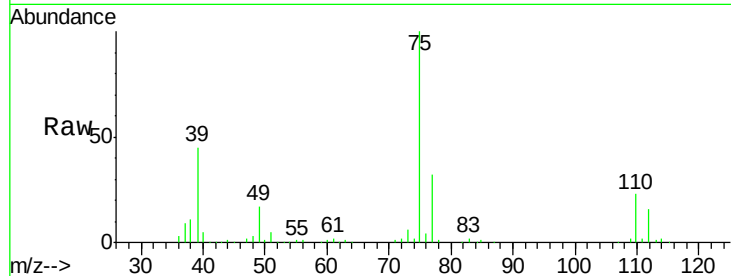




#49
 cis-1,3-Dichloropropene
 Concen: 19.868 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. 0.00 min
 Lab File: VX007967.D
 Acq: 11 Mar 2019 13:30

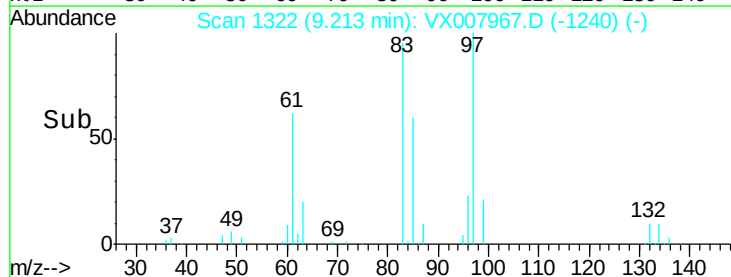
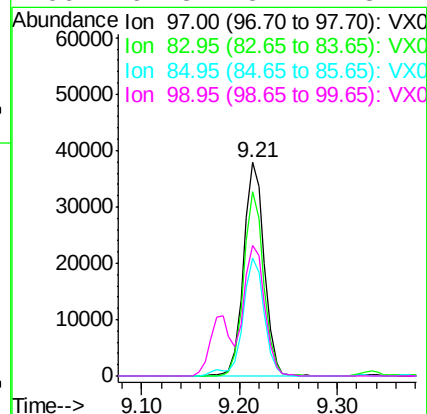
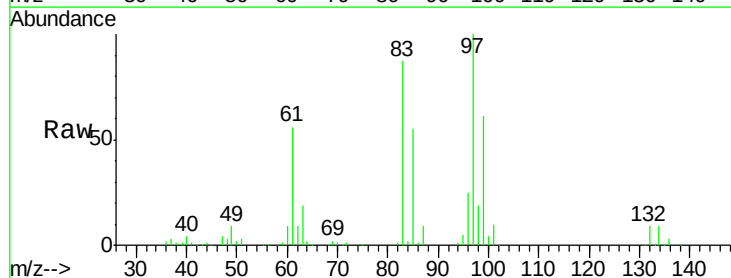
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

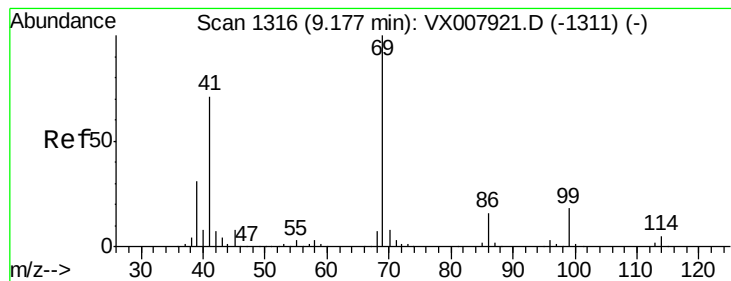
Tot Ion: 75 Resp: 81664
 Ion Ratio Lower Upper
 75 100
 77 32.0 25.0 37.4
 39 44.4 38.5 57.7



#50
 1,1,2-Trichloroethane
 Concen: 20.502 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX007967.D
 Acq: 11 Mar 2019 13:30

Tgt Ion: 97 Resp: 55412
 Ion Ratio Lower Upper
 97 100
 83 86.6 72.0 108.0
 85 55.2 45.0 67.6
 99 61.3 54.2 81.4





#51

Ethyl methacrylate

Concen: 20.029 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VX007967.D

Acq: 11 Mar 2019 13:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

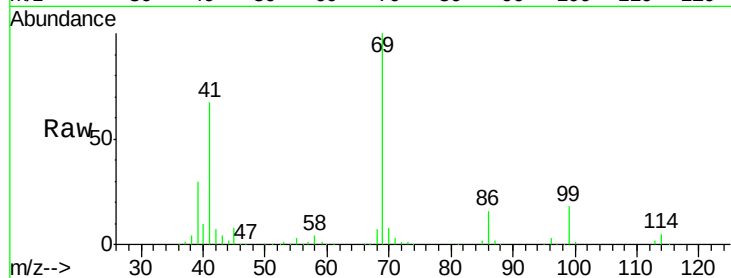
Tot Ion: 69 Resp: 82097

Ion Ratio Lower Upper

69 100

41 67.0 32.1 96.5

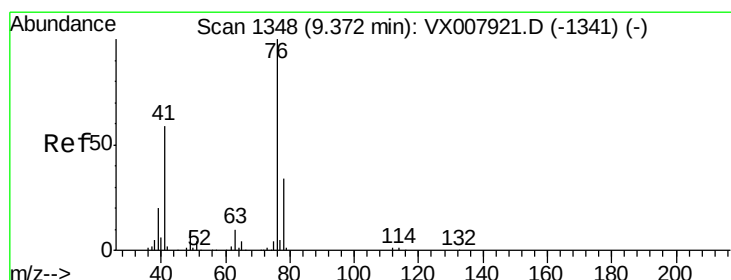
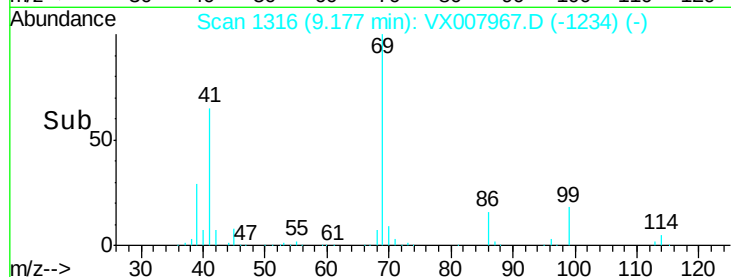
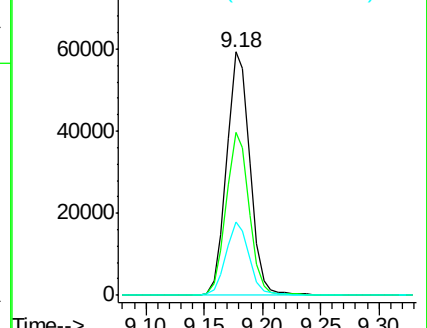
39 30.1 18.8 56.3



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



#52

1,3-Dichloropropane

Concen: 20.398 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX007967.D

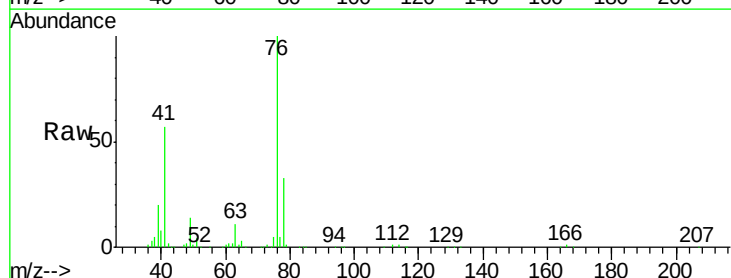
Acq: 11 Mar 2019 13:30

Tgt Ion: 76 Resp: 91095

Ion Ratio Lower Upper

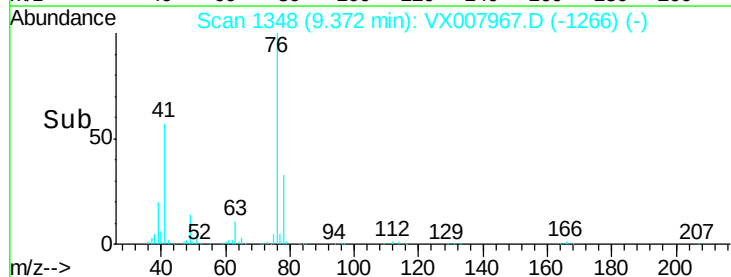
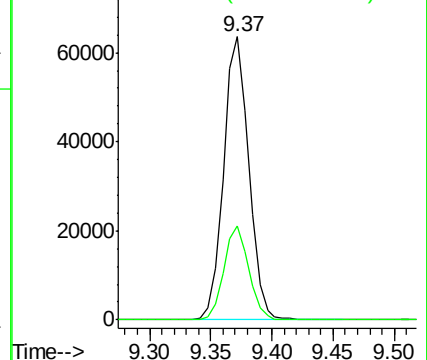
76 100

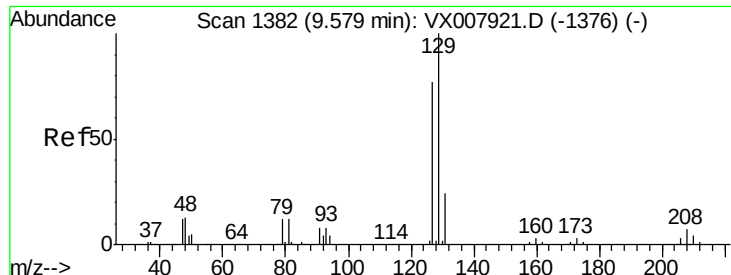
78 32.6 0.0 65.2



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0

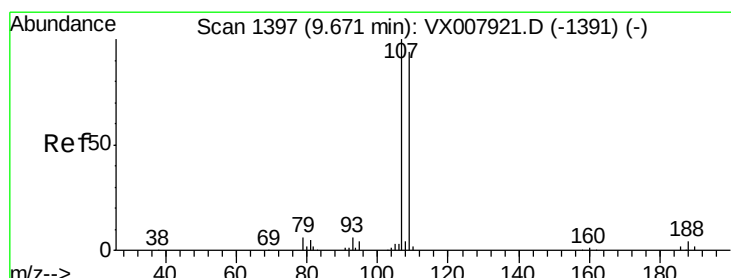
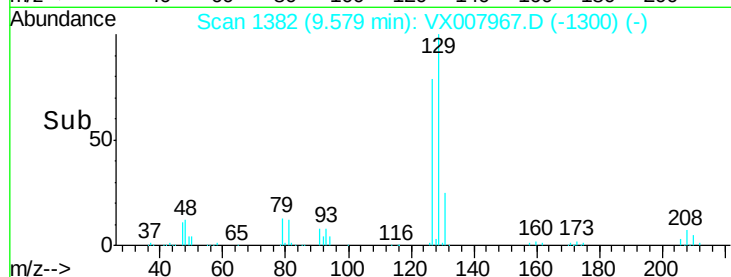
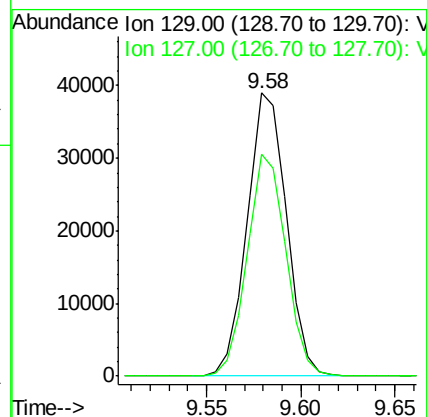
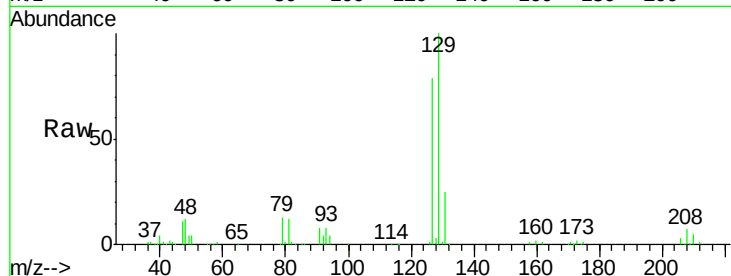




#53
Dibromochloromethane
Concen: 20.298 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX007967.D
Acq: 11 Mar 2019 13:30

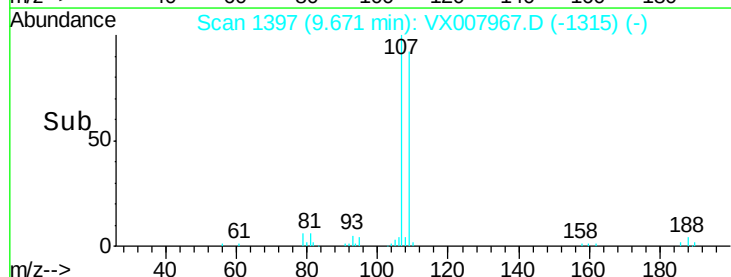
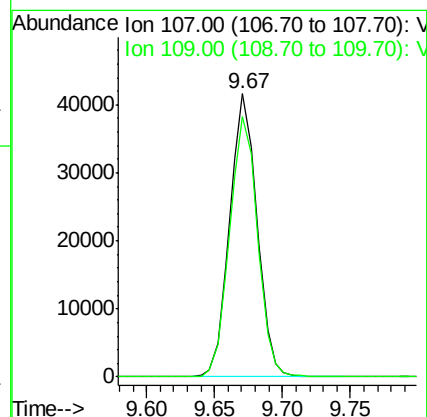
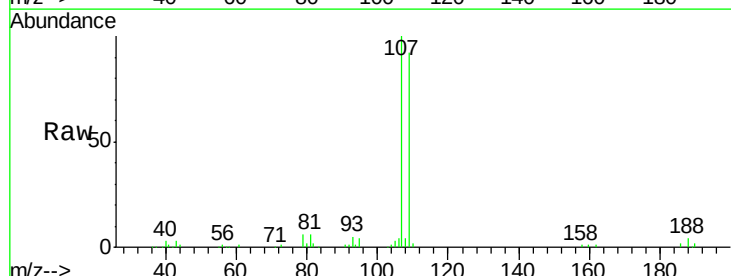
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

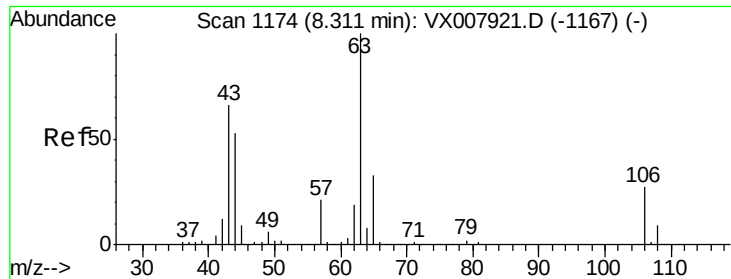
Tot Ion:129 Resp: 56430
Ion Ratio Lower Upper
129 100
127 77.2 38.4 115.2



#54
1,2-Dibromoethane
Concen: 20.640 ug/l
RT: 9.67 min Scan# 1397
Delta R.T. 0.00 min
Lab File: VX007967.D
Acq: 11 Mar 2019 13:30

Tgt Ion:107 Resp: 58322
Ion Ratio Lower Upper
107 100
109 93.6 76.6 115.0

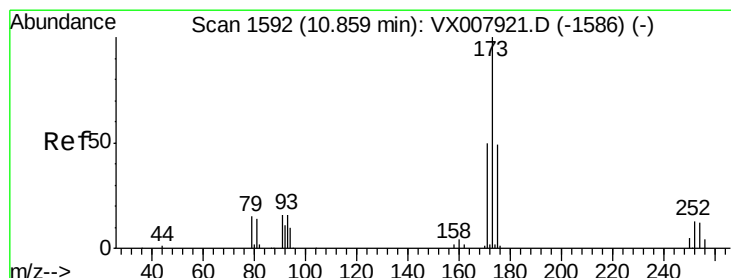
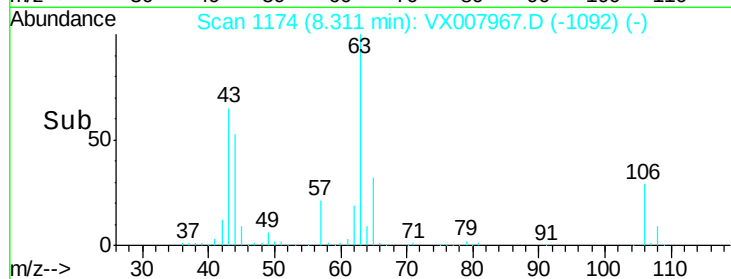
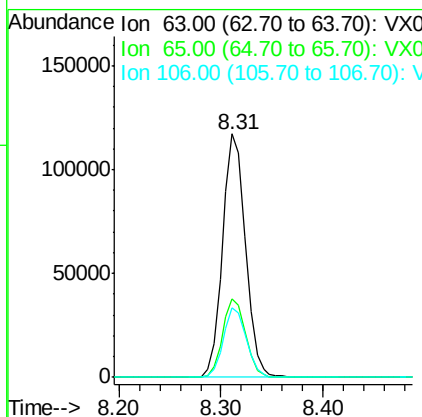
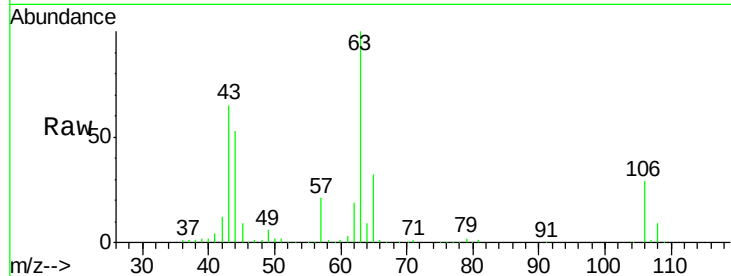




#55
2-Chloroethyl vinyl ether
Concen: 96.346 ug/l
RT: 8.31 min Scan# 1174
Delta R.T. 0.00 min
Lab File: VX007967.D
Acq: 11 Mar 2019 13:30

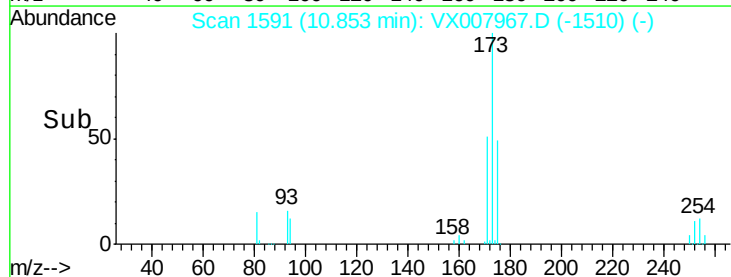
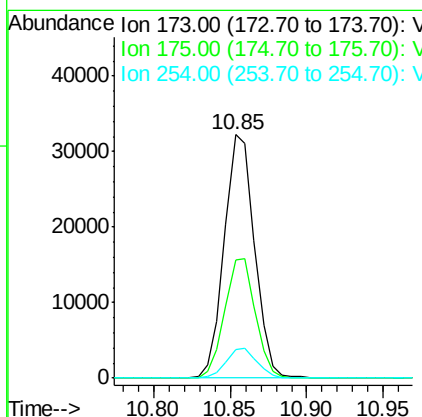
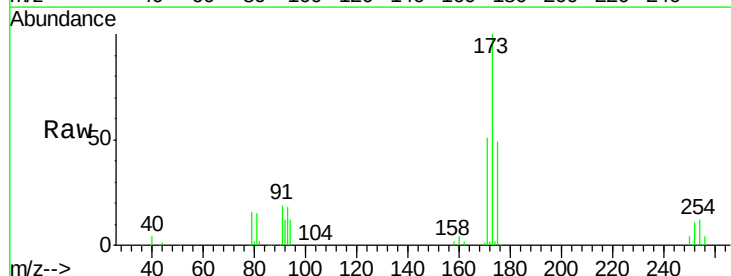
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

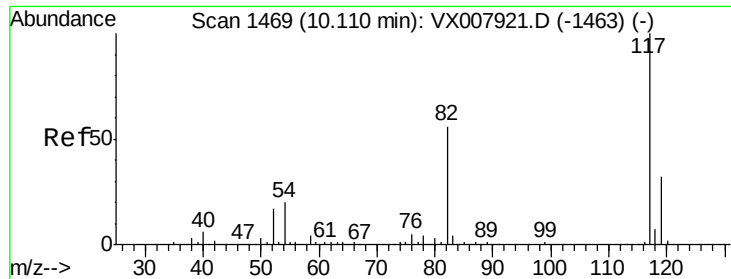
Tot Ion: 63 Resp: 183675
Ion Ratio Lower Upper
63 100
65 32.2 25.7 38.5
106 28.5 23.7 35.5



#56
Bromoform
Concen: 19.939 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. -0.01 min
Lab File: VX007967.D
Acq: 11 Mar 2019 13:30

Tgt Ion: 173 Resp: 44215
Ion Ratio Lower Upper
173 100
175 49.8 38.5 57.7
254 12.3 7.4 11.2#

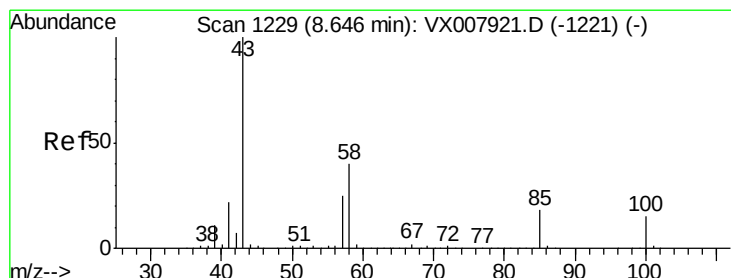
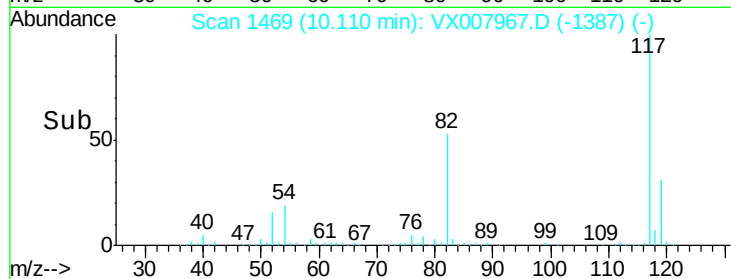
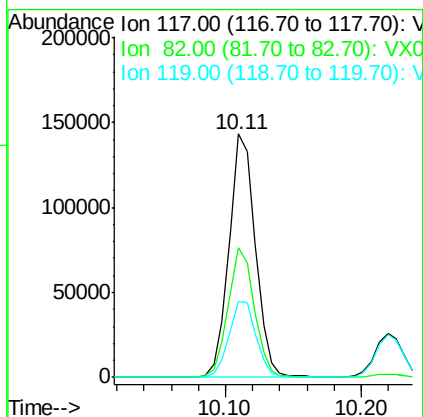
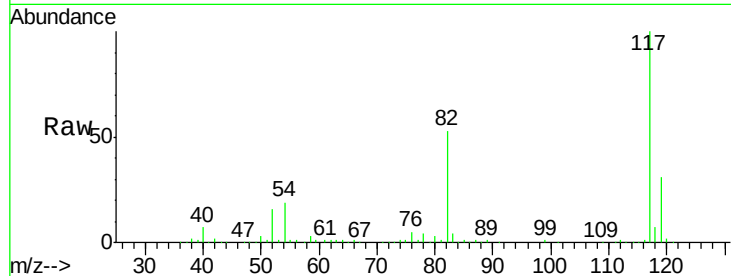




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX007967.D
Acq: 11 Mar 2019 13:30

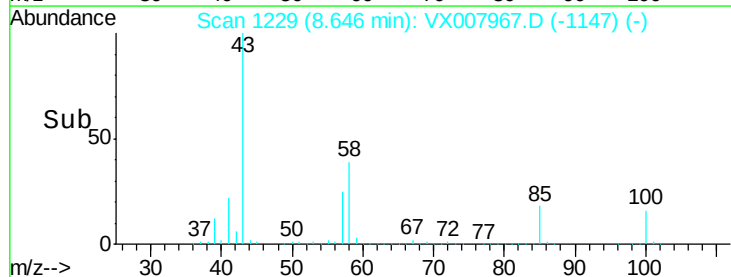
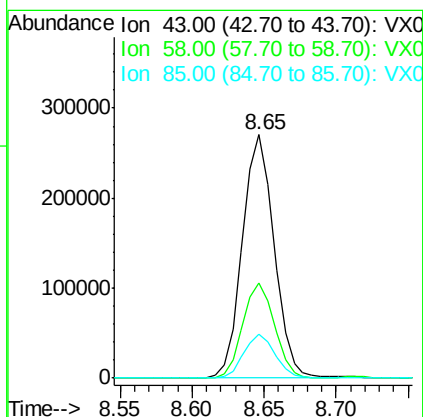
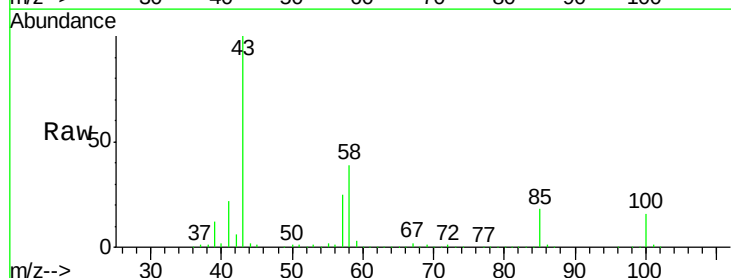
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

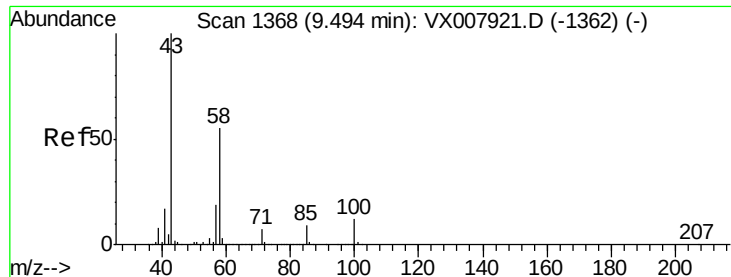
Tot Ion:117 Resp: 193707
Ion Ratio Lower Upper
117 100
82 52.8 40.4 60.6
119 32.1 25.8 38.6



#58
4-Methyl-2-Pentanone
Concen: 103.591 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. 0.00 min
Lab File: VX007967.D
Acq: 11 Mar 2019 13:30

Tgt Ion: 43 Resp: 413136
Ion Ratio Lower Upper
43 100
58 39.3 31.4 47.0
85 18.0 15.0 22.6

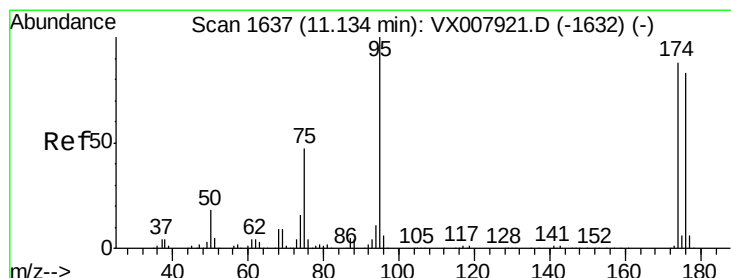
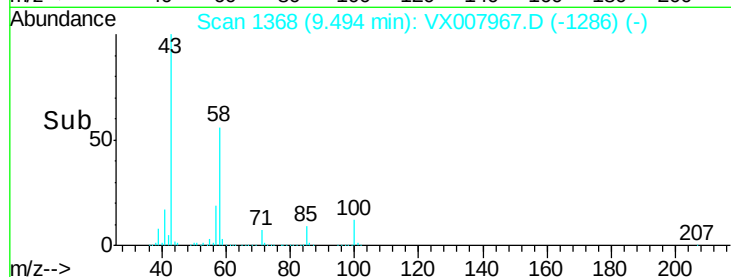
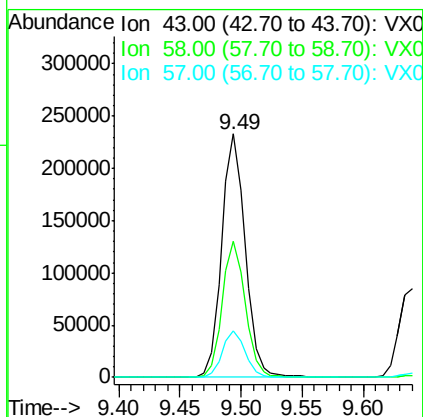
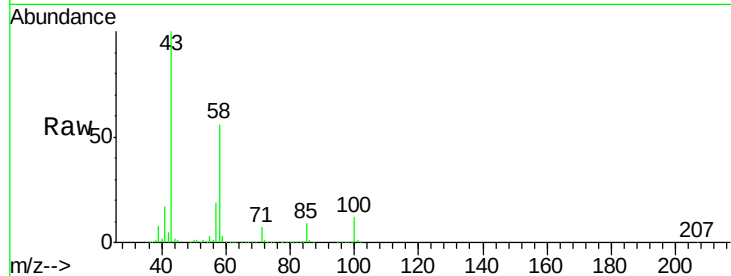




#59
2-Hexanone
Concen: 98.797 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VX007967.D
Acq: 11 Mar 2019 13:30

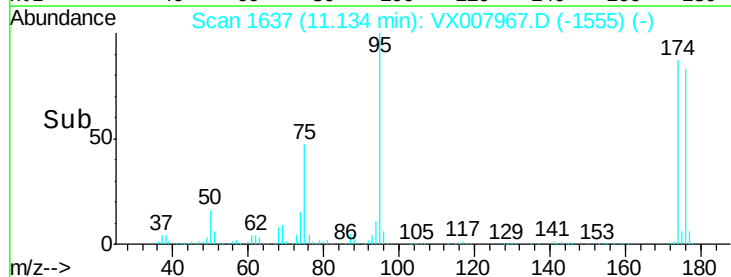
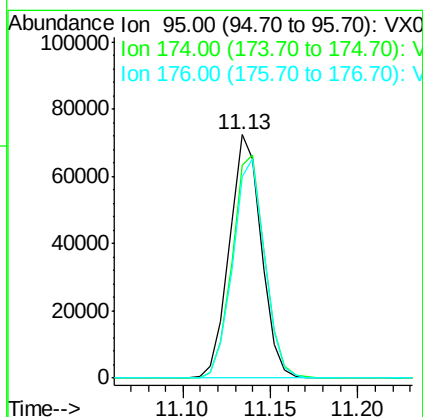
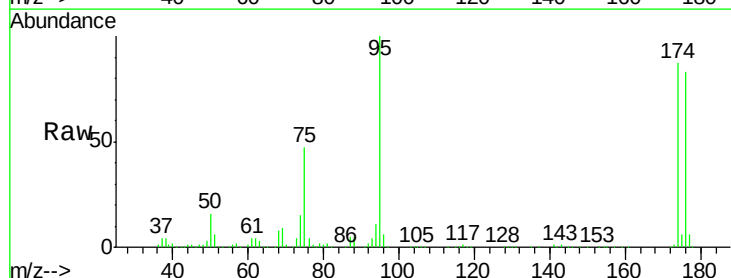
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

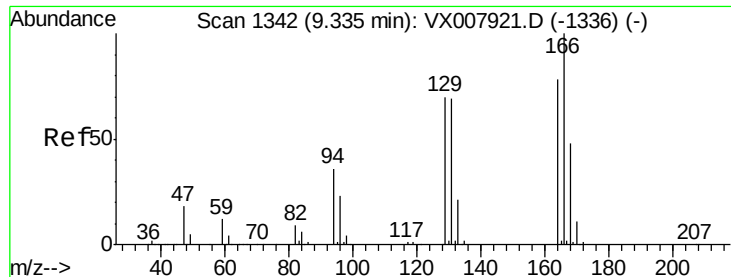
Tot Ion: 43 Resp: 311028
Ion Ratio Lower Upper
43 100
58 55.3 43.9 65.9
57 19.0 14.9 22.3



#60
4-Bromofluorobenzene
Concen: 29.733 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX007967.D
Acq: 11 Mar 2019 13:30

Tgt Ion: 95 Resp: 91930
Ion Ratio Lower Upper
95 100
174 93.4 74.9 112.3
176 89.8 70.7 106.1

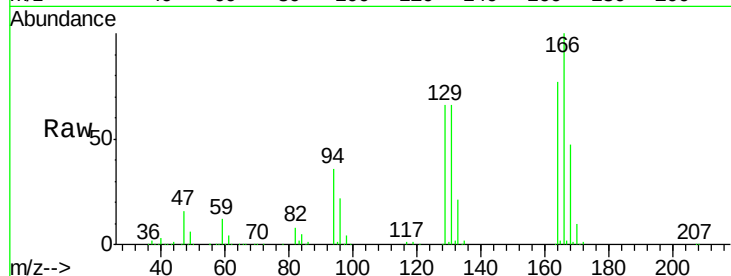




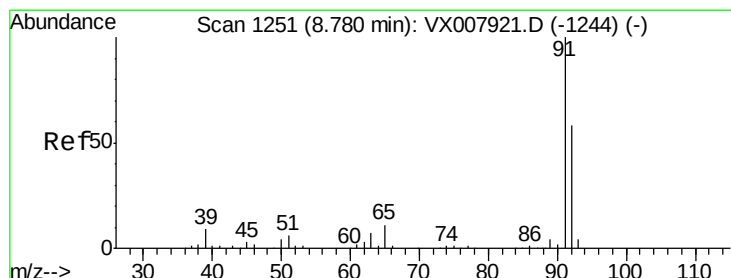
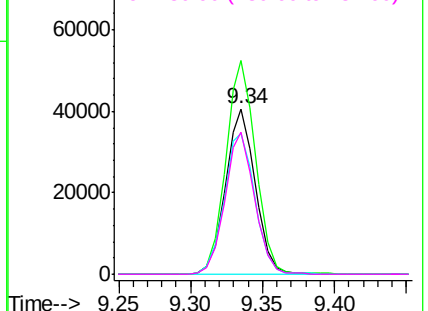
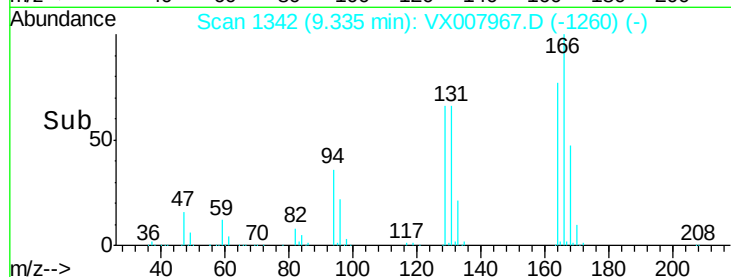
#61
Tetrachloroethene
Concen: 20.809 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX007967.D
Acq: 11 Mar 2019 13:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion:164 Resp: 58801
Ion Ratio Lower Upper
164 100
166 129.3 103.9 155.9
129 85.6 74.7 112.1
131 85.9 71.7 107.5

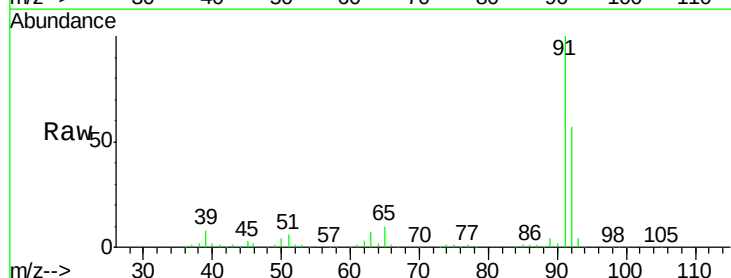


Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V

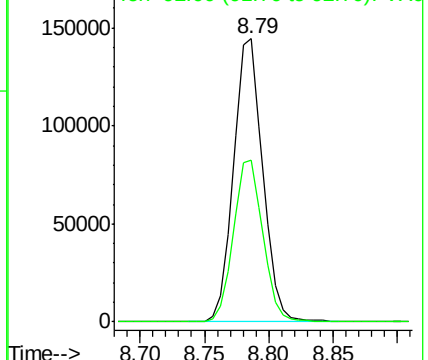
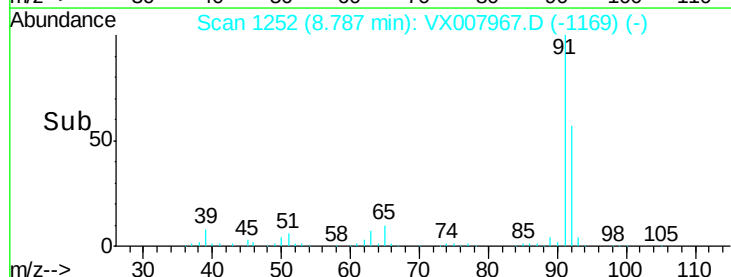


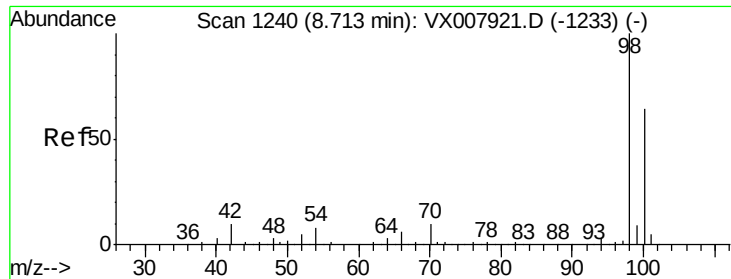
#62
Toluene
Concen: 20.164 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. 0.01 min
Lab File: VX007967.D
Acq: 11 Mar 2019 13:30

Tgt Ion: 91 Resp: 228075
Ion Ratio Lower Upper
91 100
92 57.6 46.4 69.6



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 92.00 (91.70 to 92.70): VX0

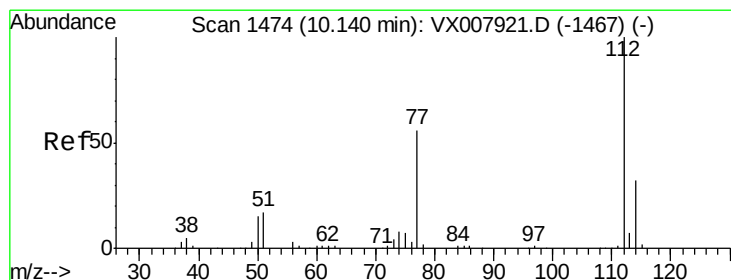
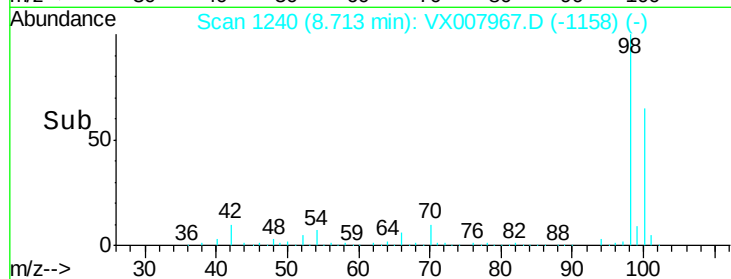
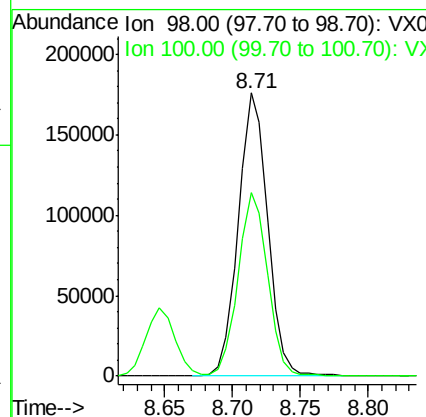
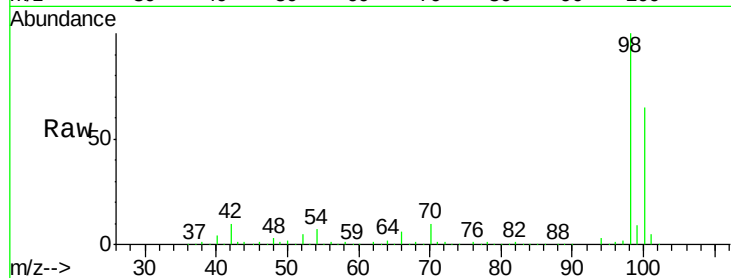




#63
Toluene-d8
Concen: 29.934 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX007967.D
Acq: 11 Mar 2019 13:30

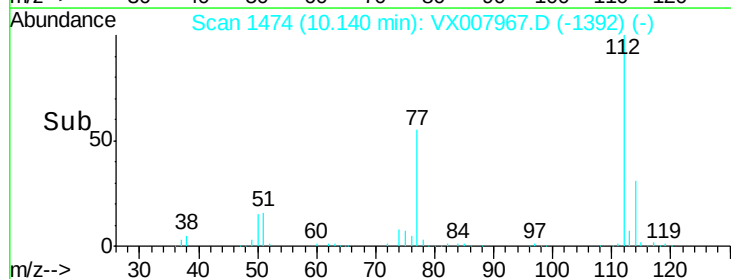
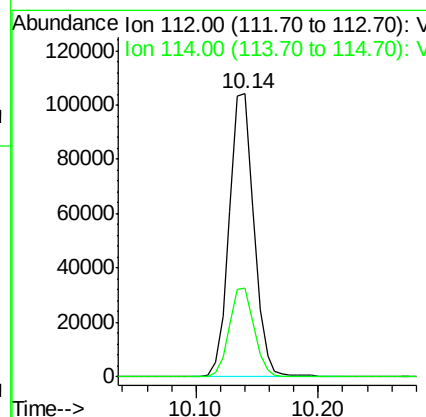
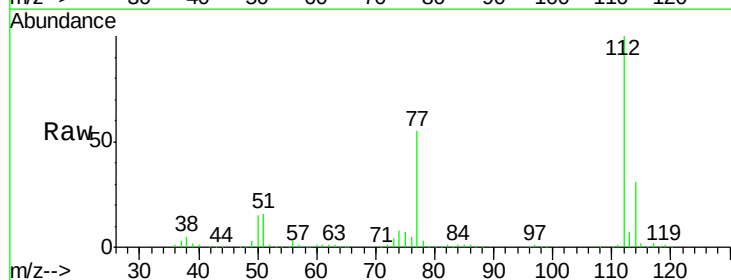
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

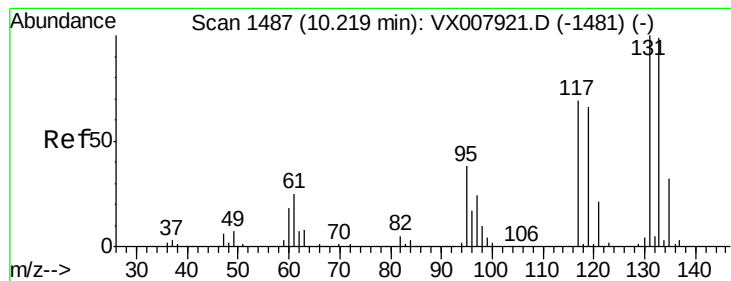
Tot Ion: 98 Resp: 265356
Ion Ratio Lower Upper
98 100
100 65.3 50.9 76.3



#64
Chlorobenzene
Concen: 20.222 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VX007967.D
Acq: 11 Mar 2019 13:30

Tgt Ion: 112 Resp: 145781
Ion Ratio Lower Upper
112 100
114 31.2 25.4 38.2





#65

1,1,1,2-Tetrachloroethane

Concen: 20.952 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX007967.D

Acq: 11 Mar 2019 13:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

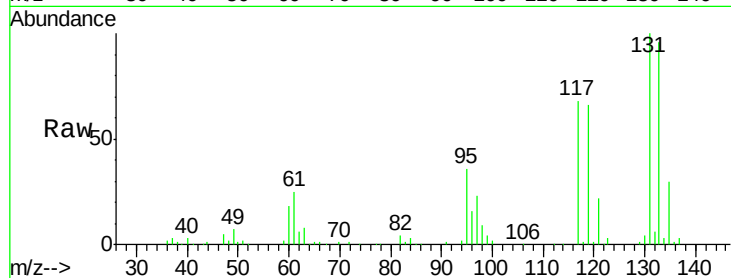
Tot Ion:131 Resp: 54080

Ion Ratio Lower Upper

131 100

133 95.4 0.0 191.6

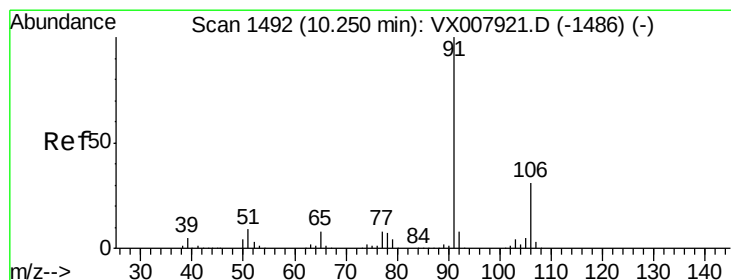
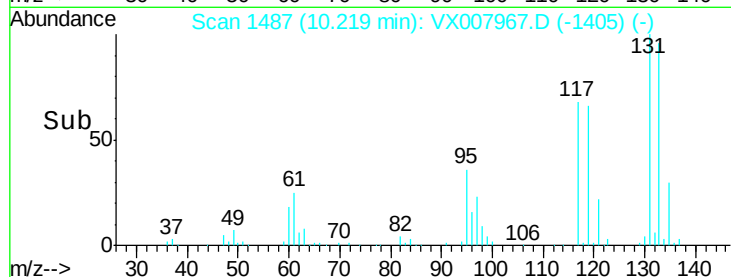
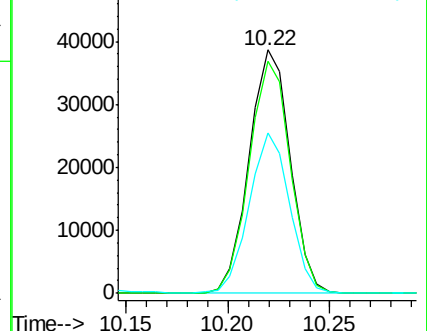
119 65.0 0.0 127.4



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 19.908 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX007967.D

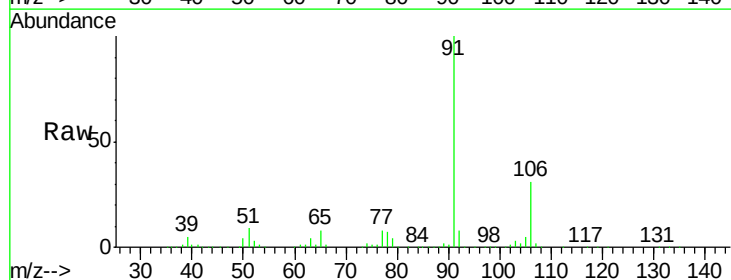
Acq: 11 Mar 2019 13:30

Tgt Ion: 91 Resp: 241871

Ion Ratio Lower Upper

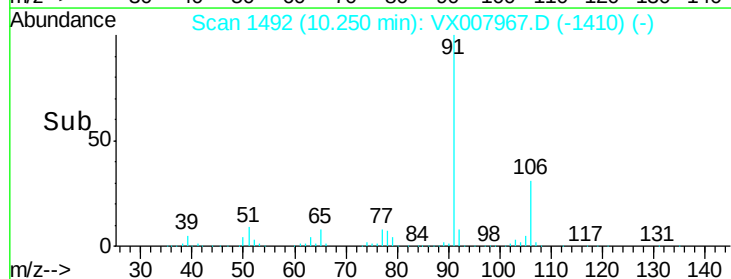
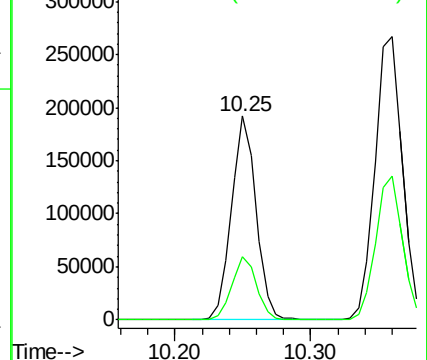
91 100

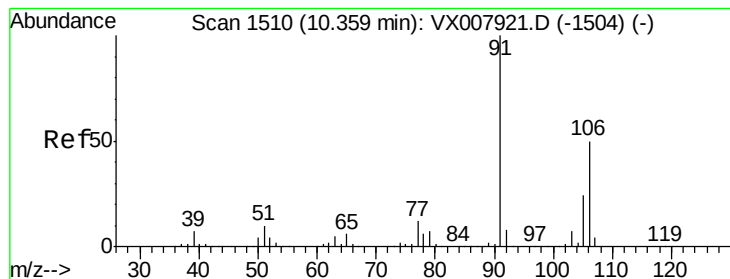
106 31.3 26.0 39.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V





#67

m/p-Xylenes

Concen: 39.908 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX007967.D

Acq: 11 Mar 2019 13:30

Instrument :

MSVOA_X

ClientSampleId :

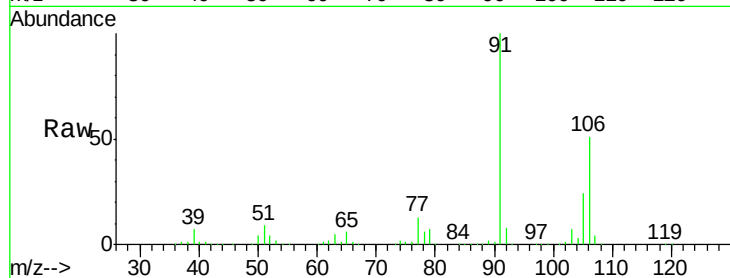
VSTDCCC020EC

Tot Ion:106 Resp: 185917

Ion Ratio Lower Upper

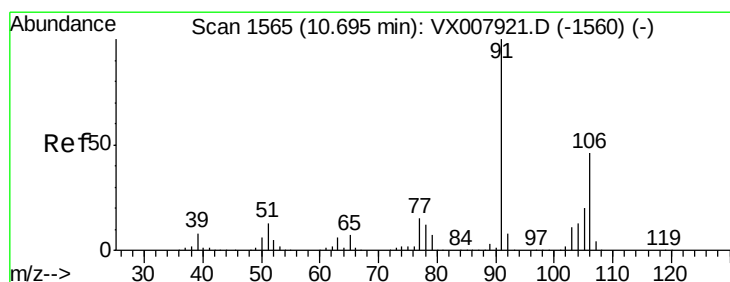
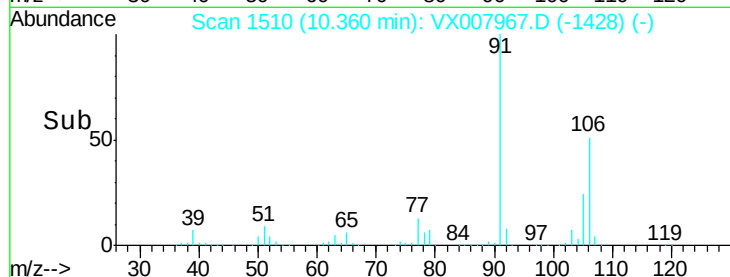
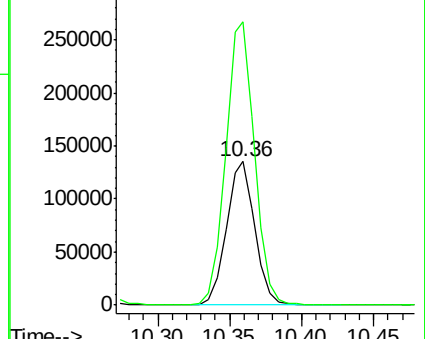
106 100

91 200.4 157.0 235.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#68

o-Xylene

Concen: 19.925 ug/l

RT: 10.70 min Scan# 1566

Delta R.T. 0.01 min

Lab File: VX007967.D

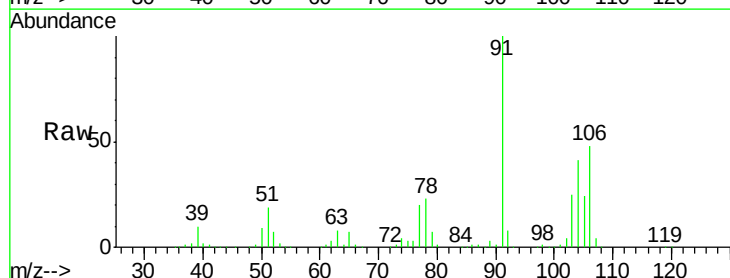
Acq: 11 Mar 2019 13:30

Tgt Ion:106 Resp: 90134

Ion Ratio Lower Upper

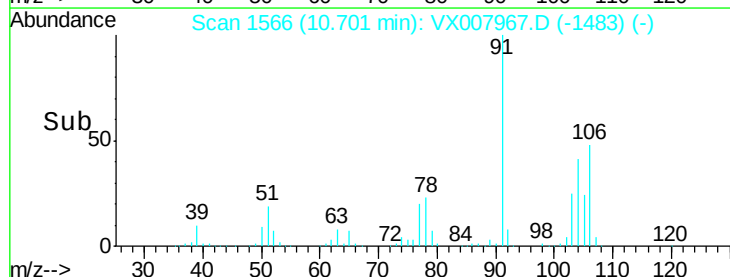
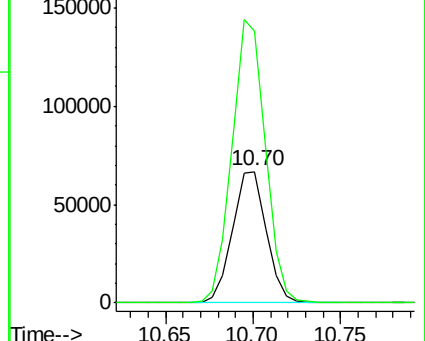
106 100

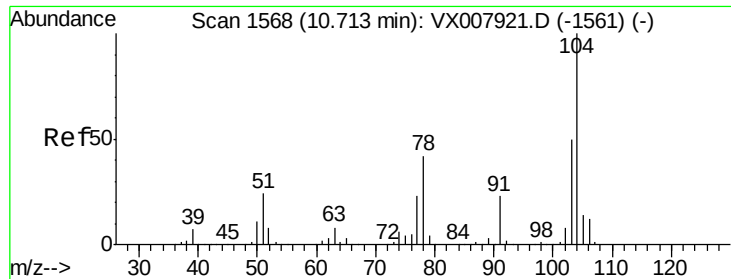
91 213.2 104.4 313.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

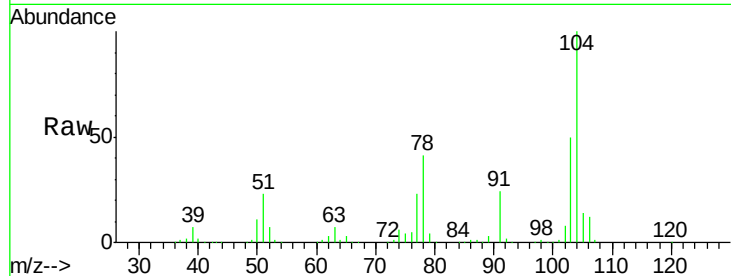




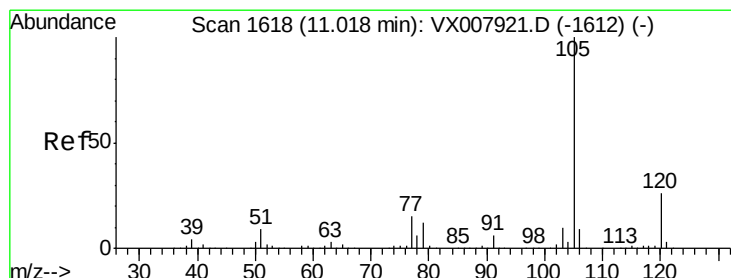
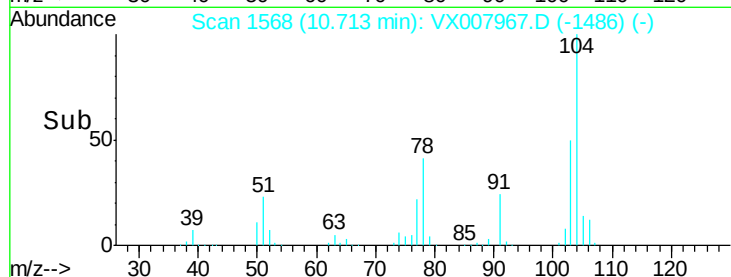
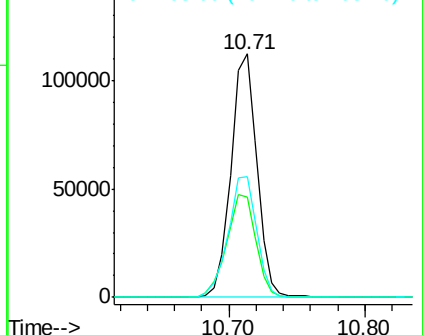
#69
Stvrene
Concen: 20.042 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX007967.D
Acq: 11 Mar 2019 13:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion:104 Resp: 149385
Ion Ratio Lower Upper
104 100
78 47.6 38.2 57.2
103 55.1 45.0 67.4

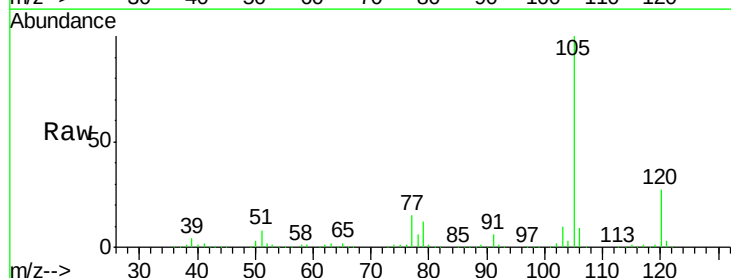


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V

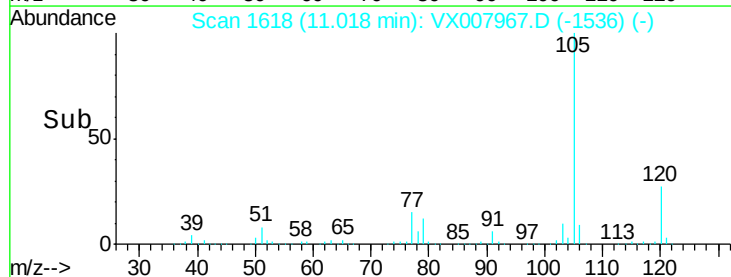
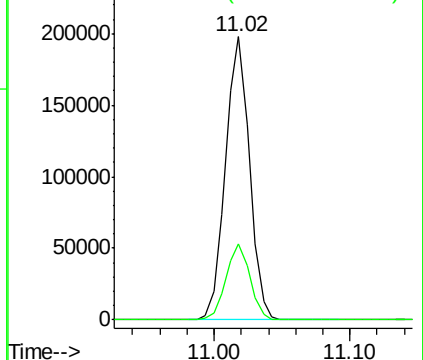


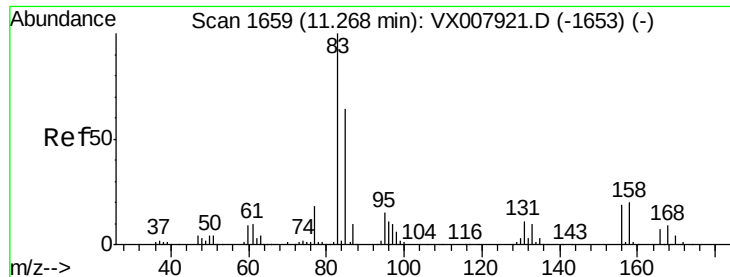
#70
Isopropylbenzene
Concen: 20.081 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VX007967.D
Acq: 11 Mar 2019 13:30

Tgt Ion:105 Resp: 242736
Ion Ratio Lower Upper
105 100
120 26.8 19.8 36.8



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V

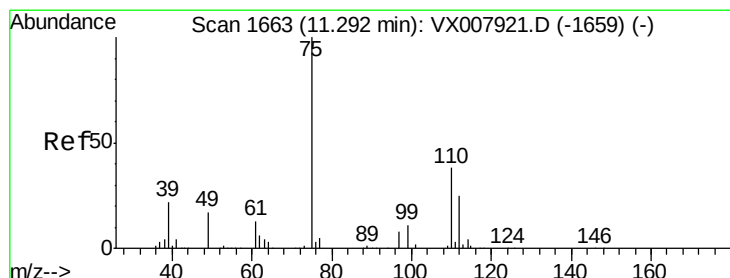
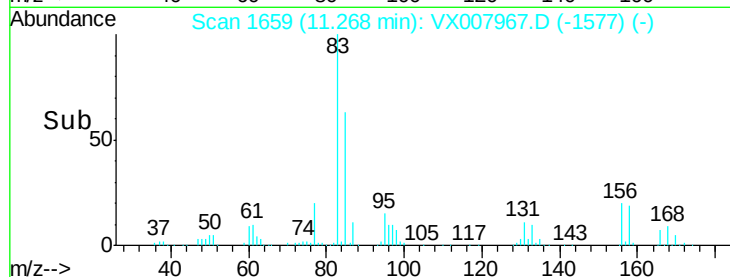
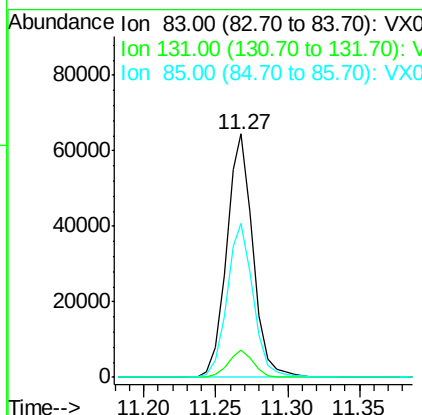
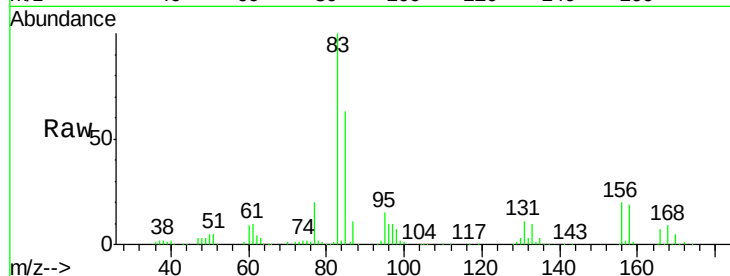




#71
 1,1,2,2-Tetrachloroethane
 Concen: 20.680 ug/l
 RT: 11.27 min Scan# 1659
 Delta R.T. 0.00 min
 Lab File: VX007967.D
 Acq: 11 Mar 2019 13:30

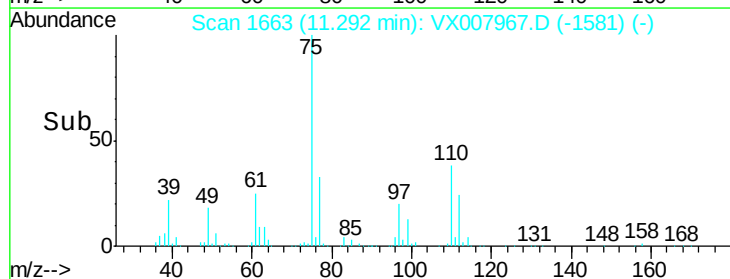
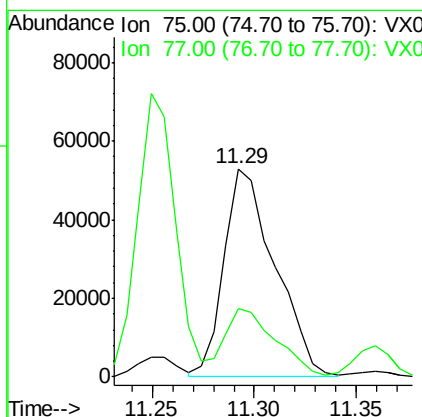
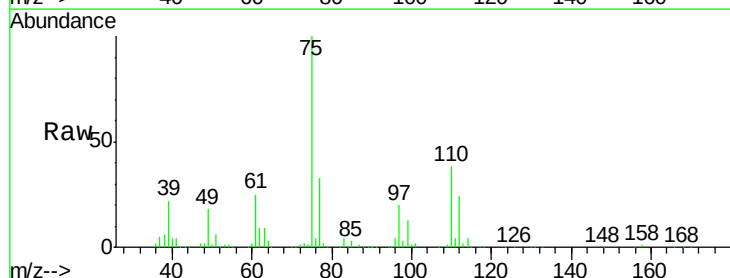
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

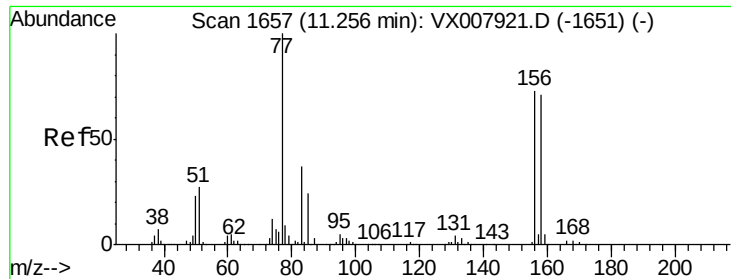
Tot Ion: 83 Resp: 82559
 Ion Ratio Lower Upper
 83 100
 131 10.8 5.4 16.2
 85 63.4 32.8 98.4



#72
 1,2,3-Trichloropropane
 Concen: 24.419 ug/l
 RT: 11.29 min Scan# 1663
 Delta R.T. 0.00 min
 Lab File: VX007967.D
 Acq: 11 Mar 2019 13:30

Tgt Ion: 75 Resp: 91889
 Ion Ratio Lower Upper
 75 100
 77 33.0 0.0 76.4





#73

Bromobenzene

Concen: 20.434 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX007967.D

Acq: 11 Mar 2019 13:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

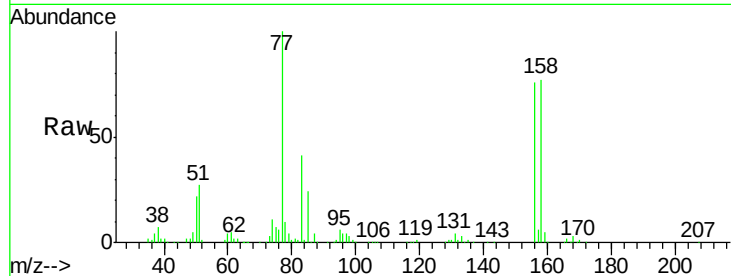
Tot Ion:156 Resp: 65667

Ion Ratio Lower Upper

156 100

77 141.5 0.0 271.4

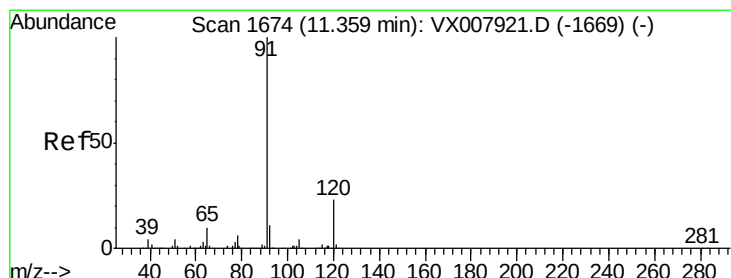
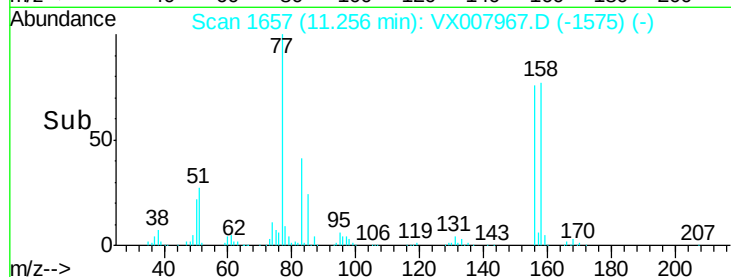
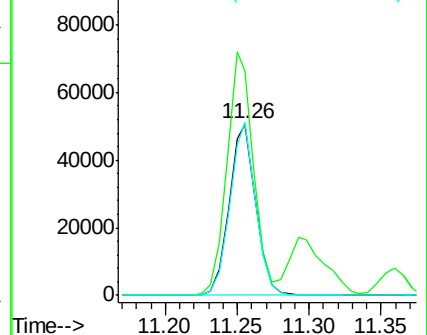
158 98.1 0.0 194.0



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 19.695 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX007967.D

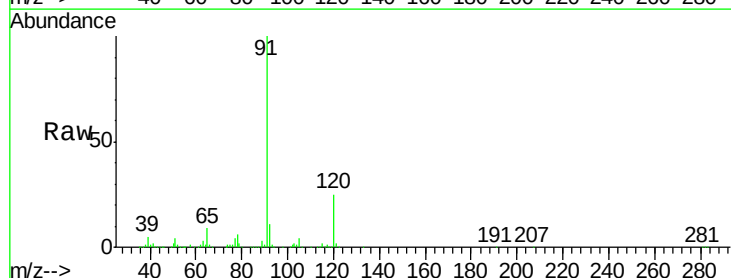
Acq: 11 Mar 2019 13:30

Tgt Ion: 91 Resp: 268537

Ion Ratio Lower Upper

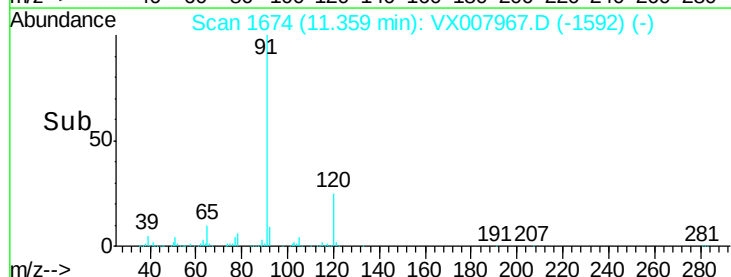
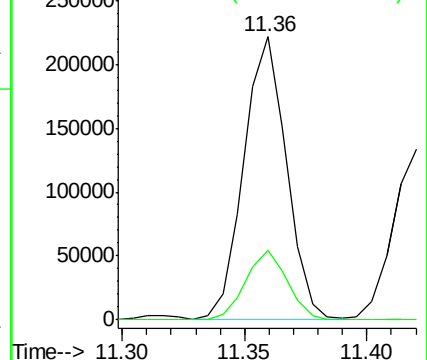
91 100

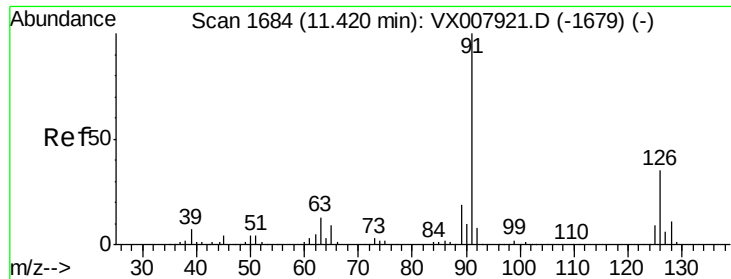
120 24.0 0.0 48.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 19.981 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX007967.D

Acq: 11 Mar 2019 13:30

Instrument :

MSVOA_X

ClientSampleId :

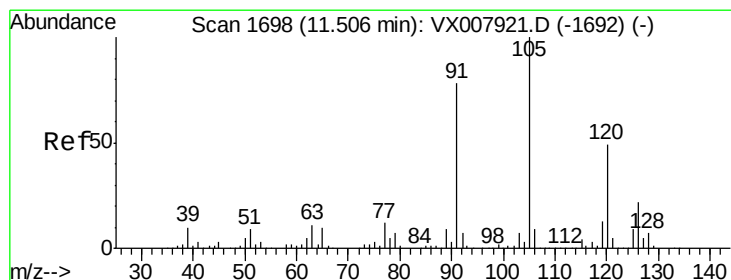
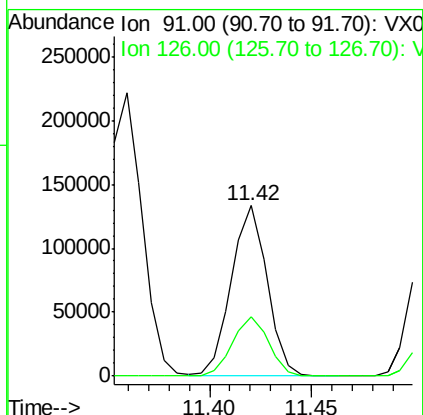
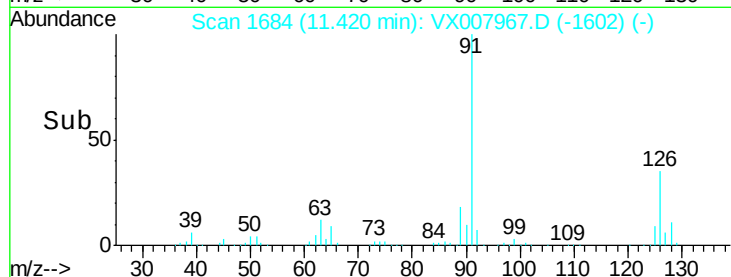
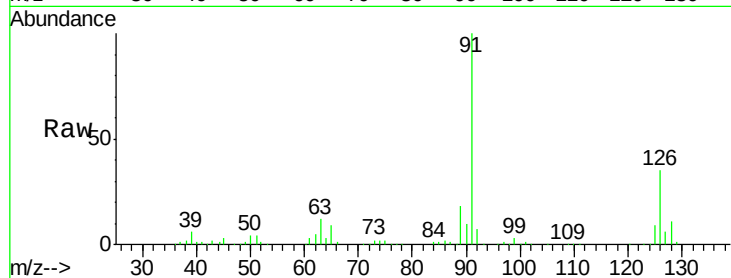
VSTDCCC020EC

Tot Ion: 91 Resp: 163293

Ion Ratio Lower Upper

91 100

126 35.0 0.0 75.2



#76

1,3,5-Trimethylbenzene

Concen: 20.063 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX007967.D

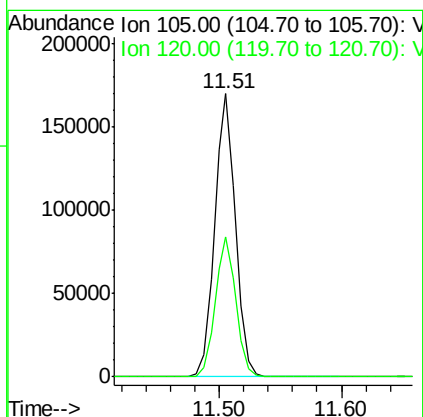
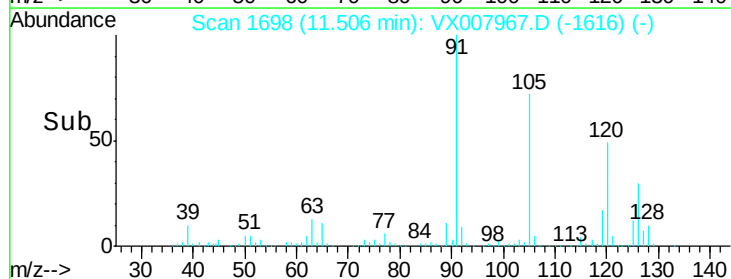
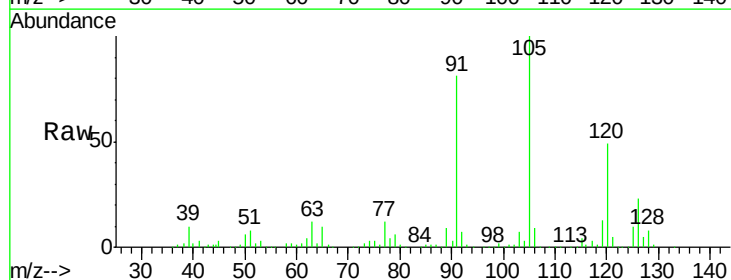
Acq: 11 Mar 2019 13:30

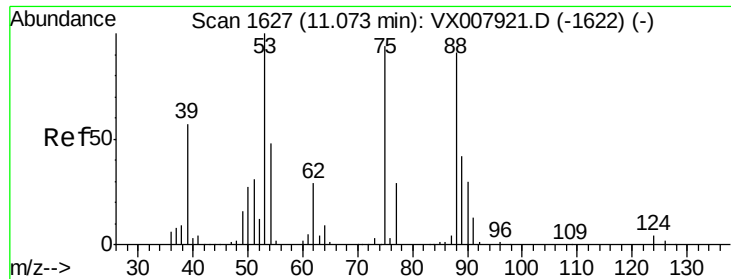
Tgt Ion: 105 Resp: 200988

Ion Ratio Lower Upper

105 100

120 49.0 0.0 101.0





#77

t-1,4-Dichloro-2-butene

Concen: 18.792 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX007967.D

Acq: 11 Mar 2019 13:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

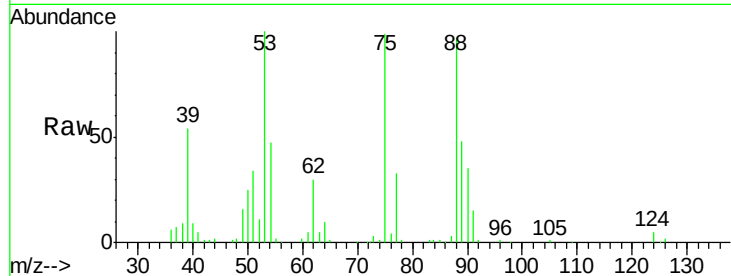
Tot Ion: 75 Resp: 21849

Ion Ratio Lower Upper

75 100

53 100.5 55.5 166.7

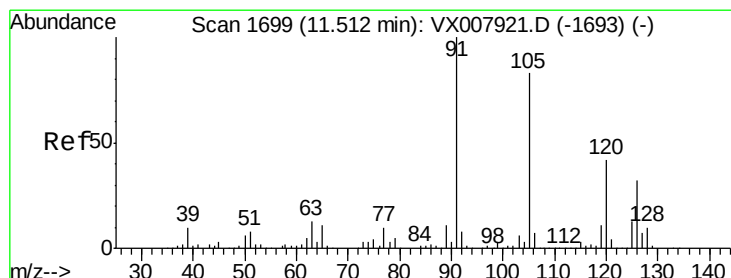
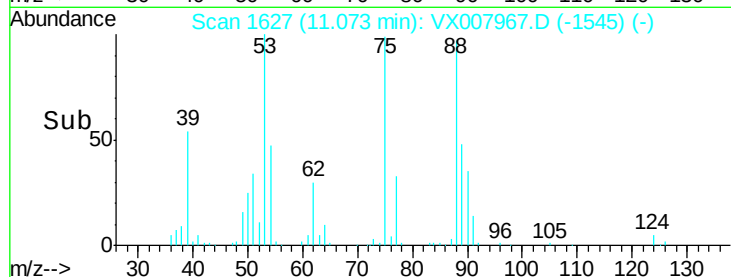
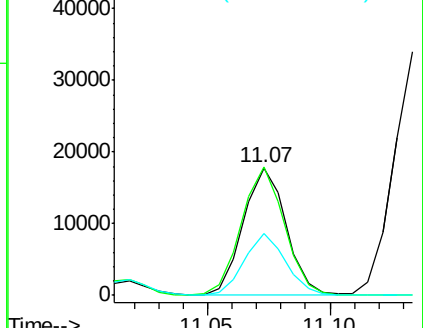
89 48.8 24.4 73.2



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 89.00 (88.70 to 89.70): VX0



#78

4-Chlorotoluene

Concen: 19.927 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VX007967.D

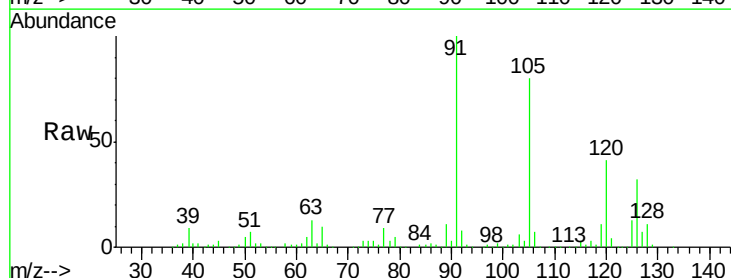
Acq: 11 Mar 2019 13:30

Tgt Ion: 91 Resp: 184133

Ion Ratio Lower Upper

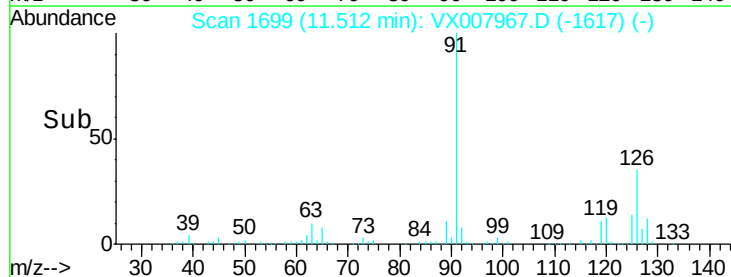
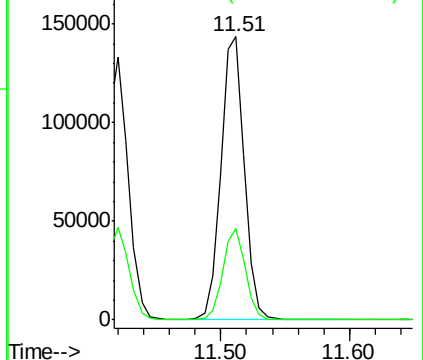
91 100

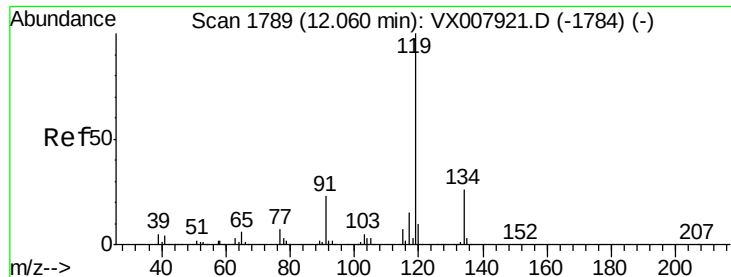
126 31.0 0.0 66.2



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 126.00 (125.70 to 126.70): V

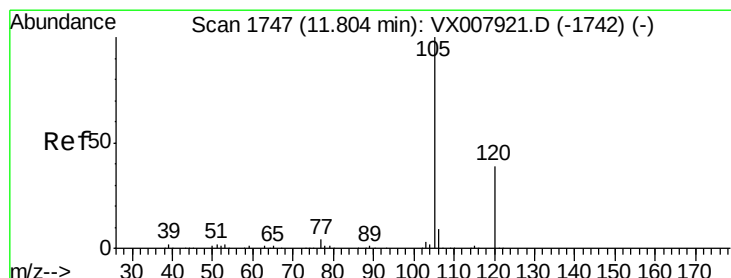
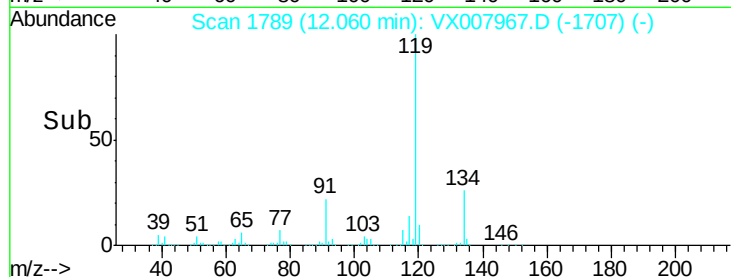
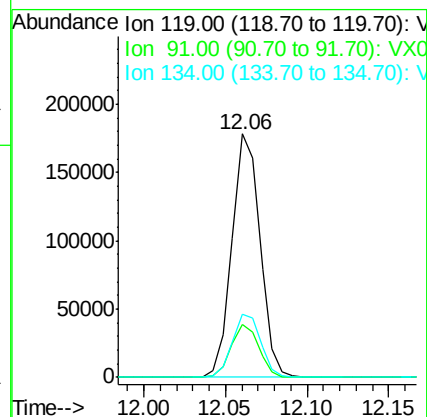
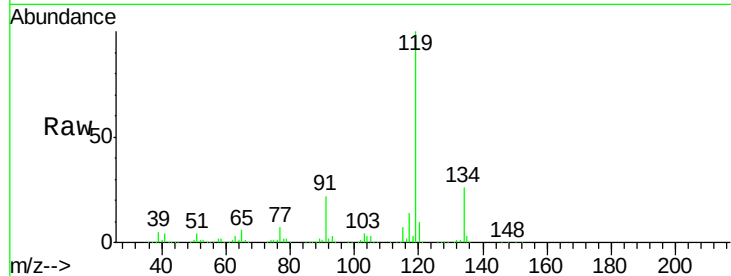




#79
tert-butylbenzene
Concen: 19.841 ug/l
RT: 12.06 min Scan# 1789
Delta R.T. 0.00 min
Lab File: VX007967.D
Acq: 11 Mar 2019 13:30

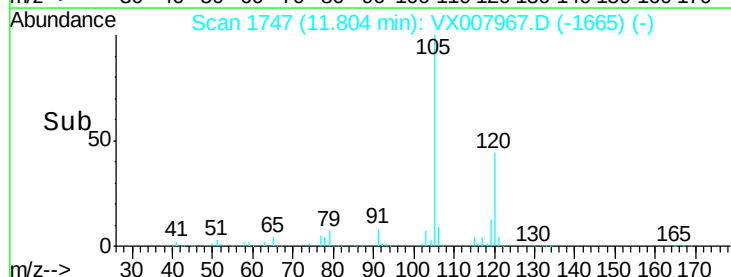
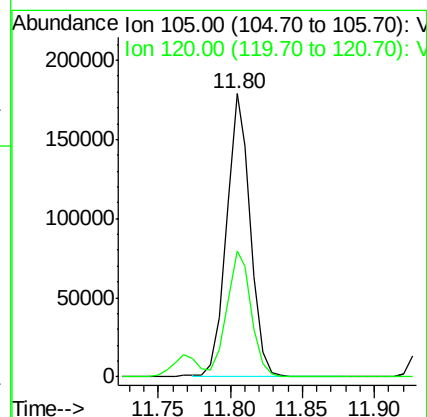
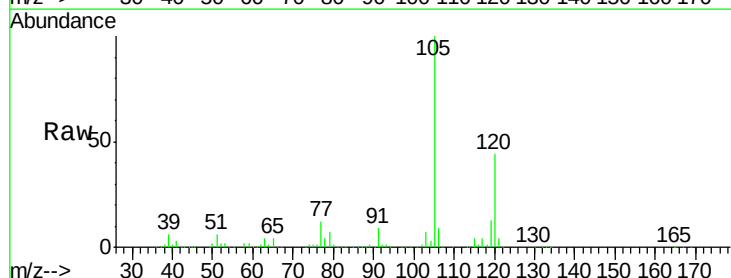
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

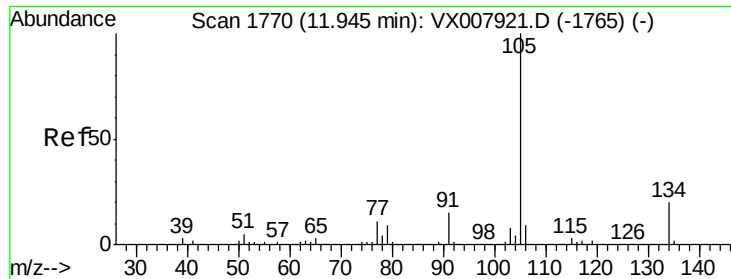
Tot Ion:119 Resp: 213296
Ion Ratio Lower Upper
119 100
91 21.7 0.0 45.0
134 26.2 0.0 55.4



#80
1,2,4-Trimethylbenzene
Concen: 20.371 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX007967.D
Acq: 11 Mar 2019 13:30

Tgt Ion:105 Resp: 207116
Ion Ratio Lower Upper
105 100
120 45.1 0.0 94.0





#81

sec-Butylbenzene

Concen: 19.708 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX007967.D

Acq: 11 Mar 2019 13:30

Instrument :

MSVOA_X

ClientSampleId :

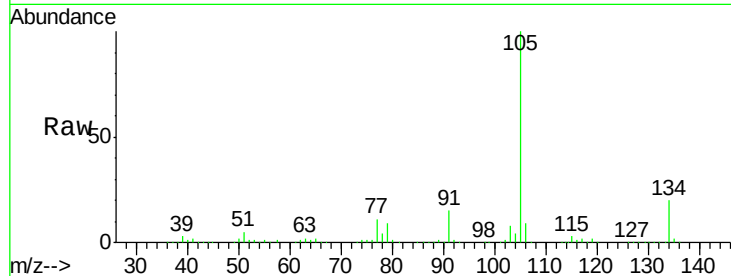
VSTDCCC020EC

Tot Ion:105 Resp: 237311

Ion Ratio Lower Upper

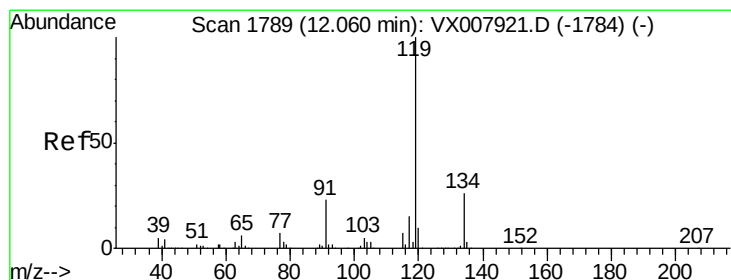
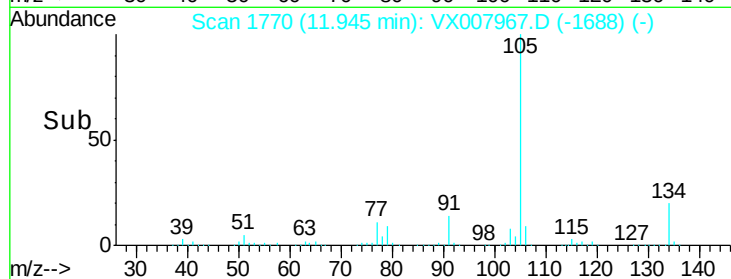
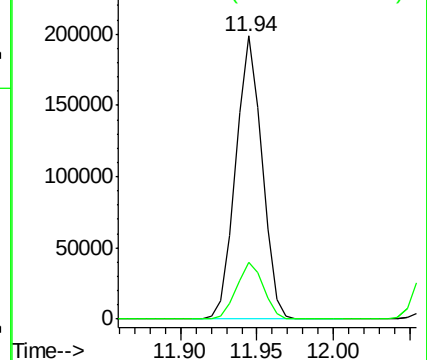
105 100

134 20.4 0.0 41.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 19.841 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX007967.D

Acq: 11 Mar 2019 13:30

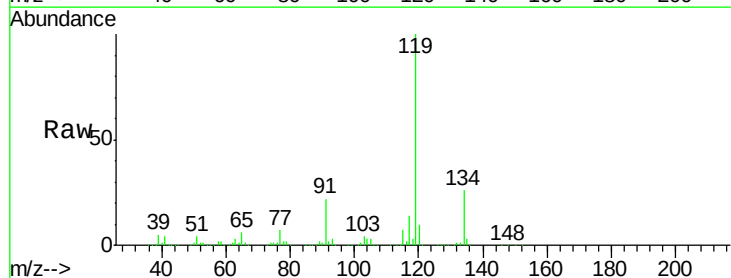
Tgt Ion:119 Resp: 213296

Ion Ratio Lower Upper

119 100

134 26.2 0.0 55.4

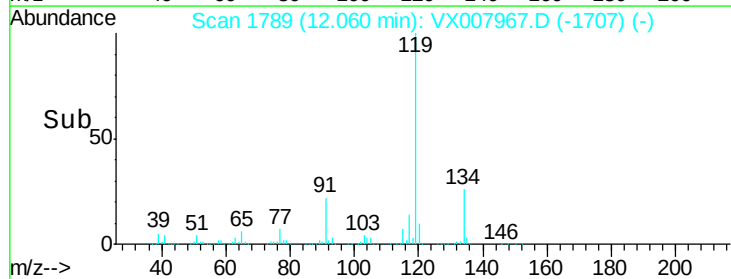
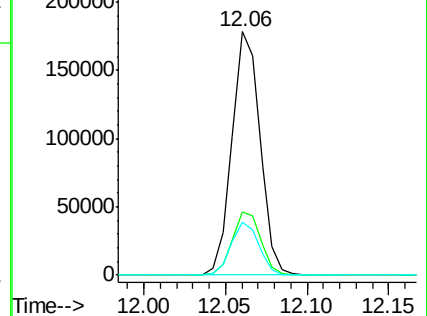
91 21.7 0.0 45.0

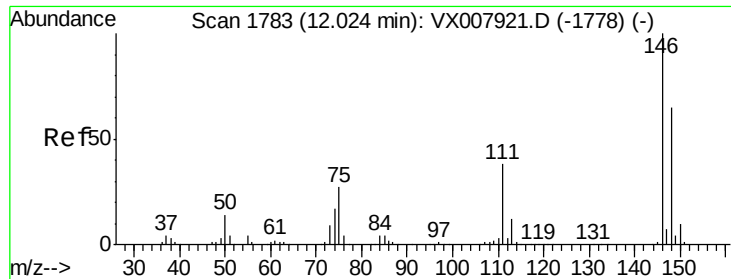


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

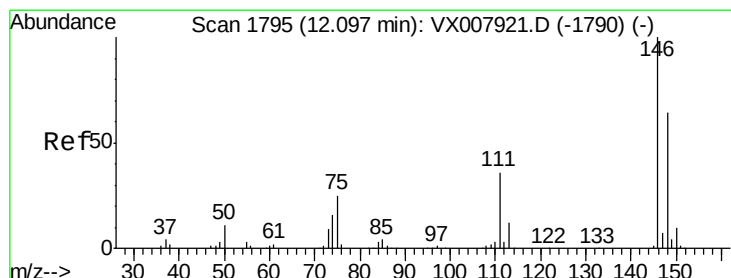
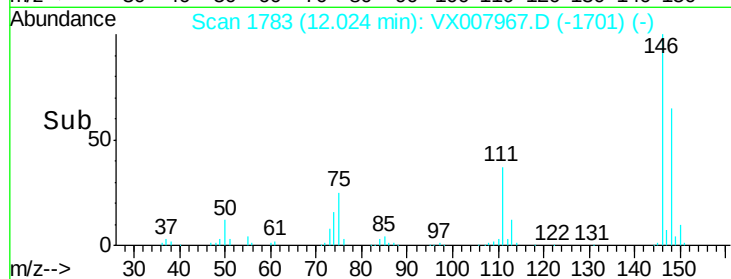
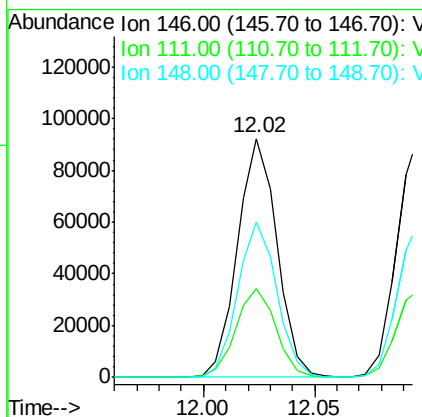
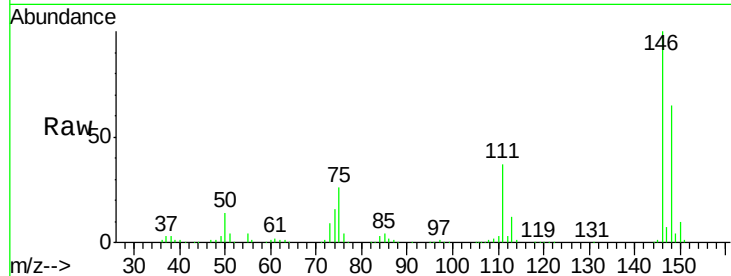




#83
 1,3-Dichlorobenzene
 Concen: 19.920 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX007967.D
 Acq: 11 Mar 2019 13:30

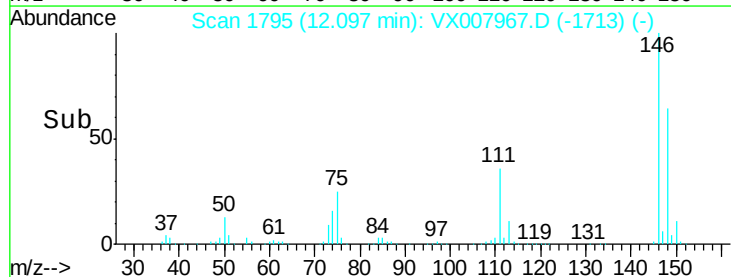
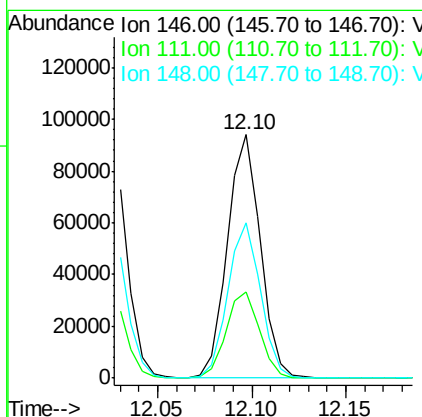
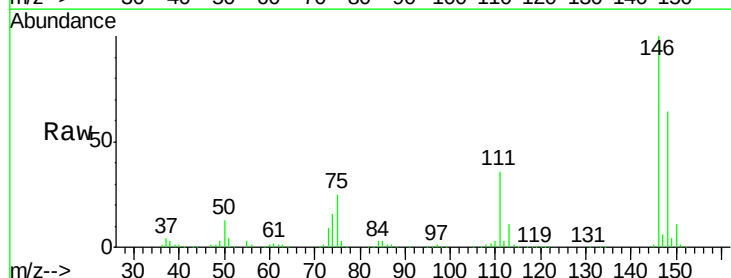
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

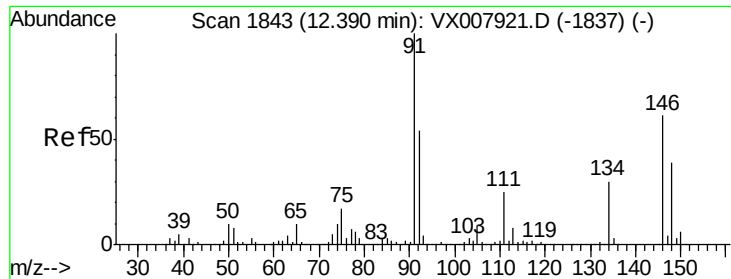
Tot Ion:146 Resp: 113973
 Ion Ratio Lower Upper
 146 100
 111 37.8 18.8 56.3
 148 65.0 30.6 91.8



#84
 1,4-Dichlorobenzene
 Concen: 19.910 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX007967.D
 Acq: 11 Mar 2019 13:30

Tgt Ion:146 Resp: 113975
 Ion Ratio Lower Upper
 146 100
 111 36.2 17.6 52.8
 148 63.8 31.4 94.2





#85

n-Butylbenzene

Concen: 19.032 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. -0.01 min

Lab File: VX007967.D

Acq: 11 Mar 2019 13:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

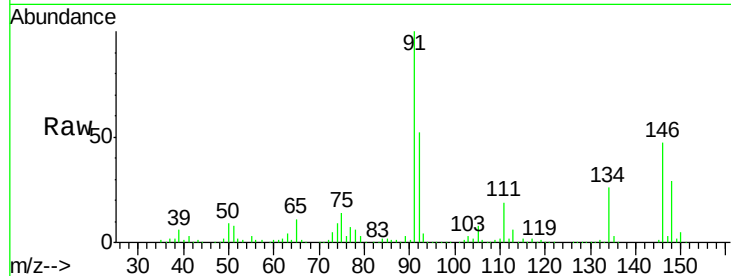
Tot Ion: 91 Resp: 174975

Ion Ratio Lower Upper

91 100

92 52.7 0.0 105.2

134 27.5 0.0 56.4

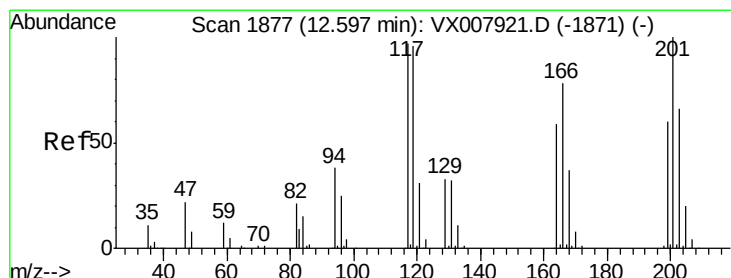
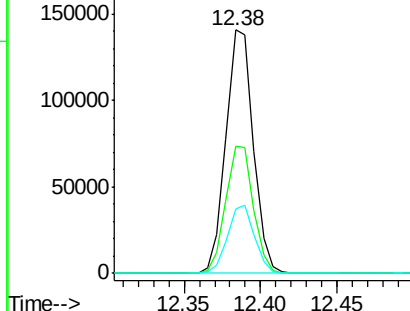
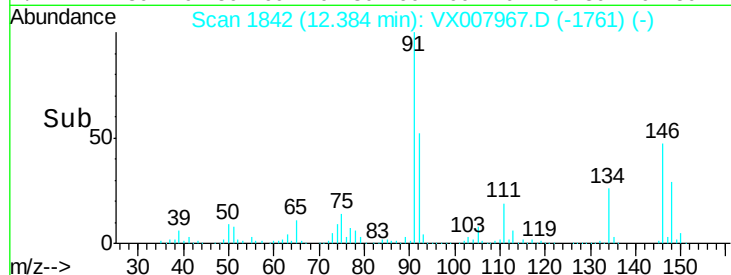


Abundance Ion 91.00 (90.70 to 91.70): VX007921.D (-1837) (-)

Ion 92.00 (91.70 to 92.70): VX007921.D (-1837) (-)

Ion 134.00 (133.70 to 134.70): VX007921.D (-1837) (-)

Time-->



#86

Hexachloroethane

Concen: 19.234 ug/l

RT: 12.60 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VX007967.D

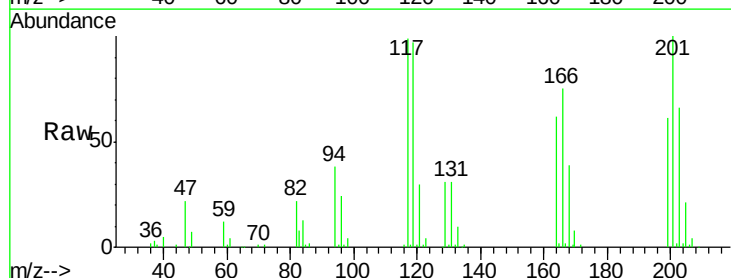
Acq: 11 Mar 2019 13:30

Tgt Ion: 117 Resp: 33691

Ion Ratio Lower Upper

117 100

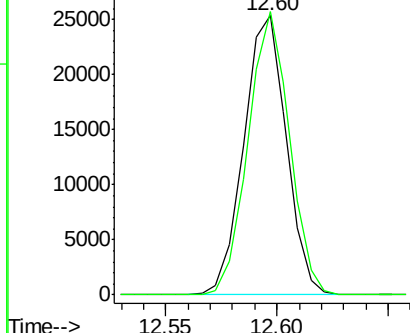
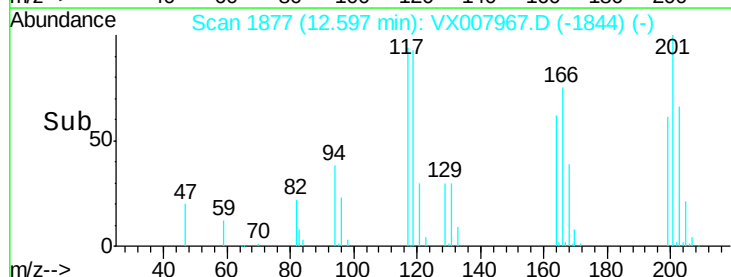
201 98.4 41.1 123.3

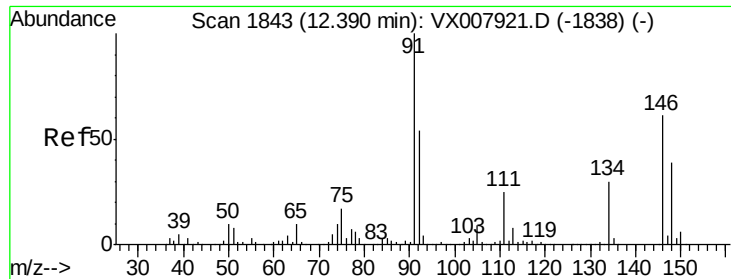


Abundance Ion 117.00 (116.70 to 117.70): VX007921.D (-1871) (-)

Ion 201.00 (200.70 to 201.70): VX007921.D (-1871) (-)

Time-->

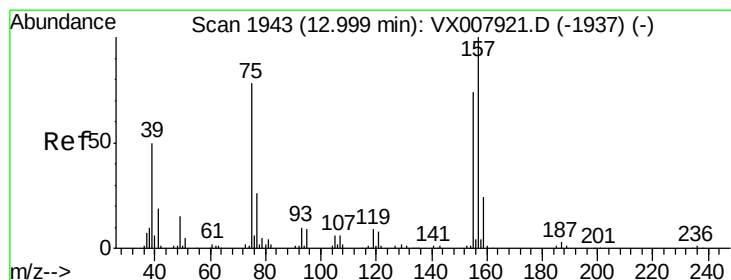
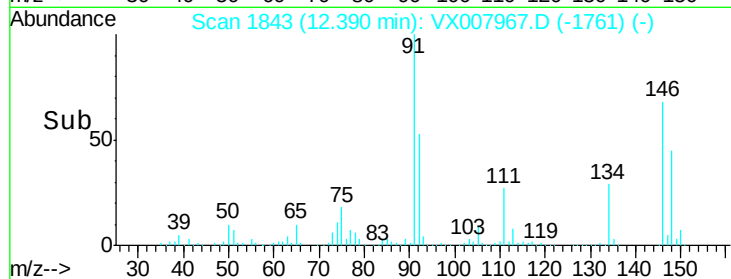
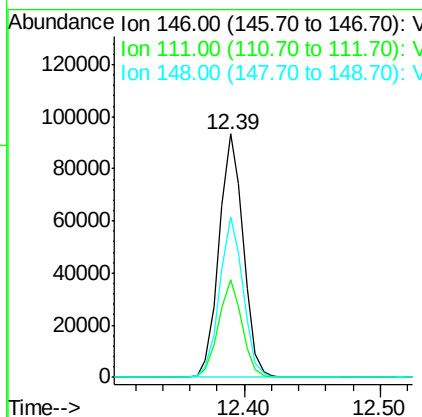
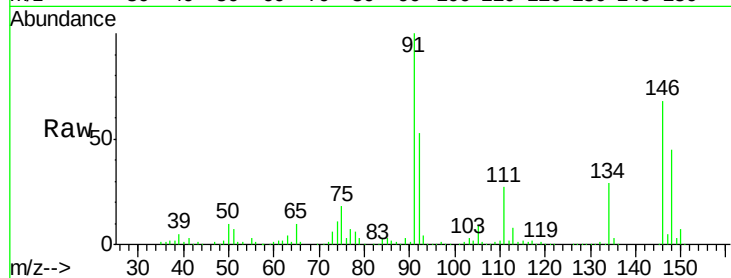




#87
 1,2-Dichlorobenzene
 Concen: 20.351 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX007967.D
 Acq: 11 Mar 2019 13:30

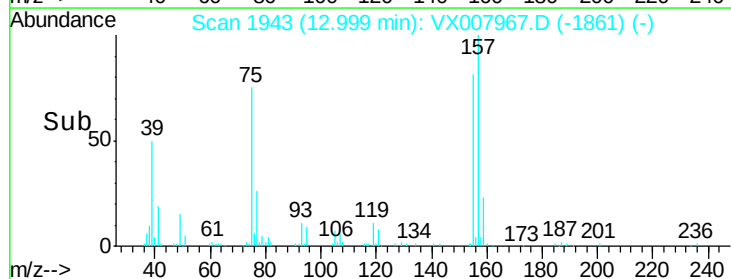
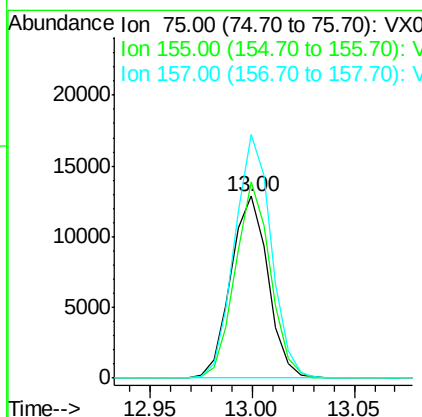
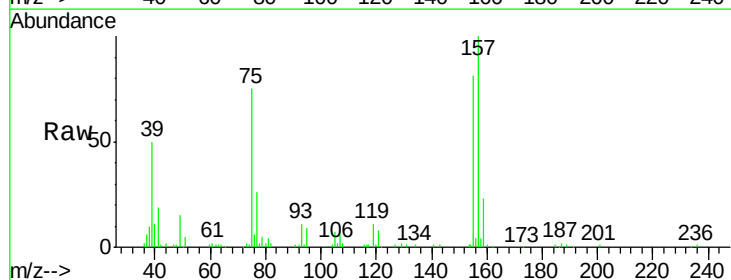
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

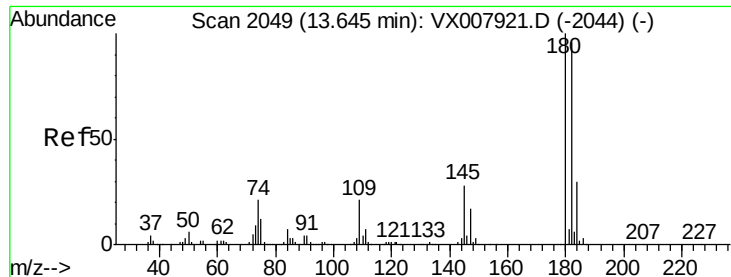
Tot Ion:146 Resp: 115076
 Ion Ratio Lower Upper
 146 100
 111 39.0 19.3 57.8
 148 63.9 32.1 96.3



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 19.914 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX007967.D
 Acq: 11 Mar 2019 13:30

Tgt Ion: 75 Resp: 16239
 Ion Ratio Lower Upper
 75 100
 155 101.7 81.0 121.6
 157 131.6 103.2 154.8

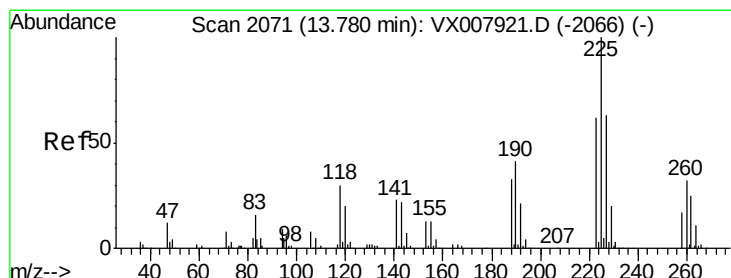
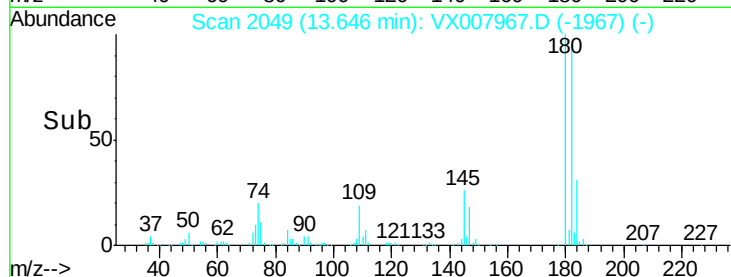
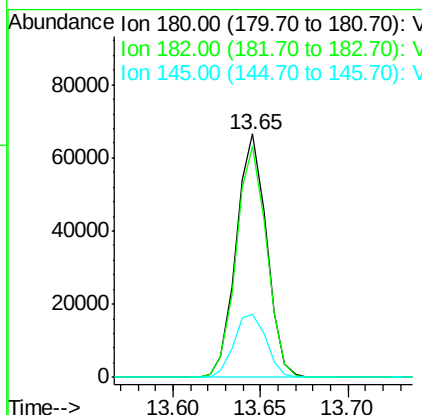
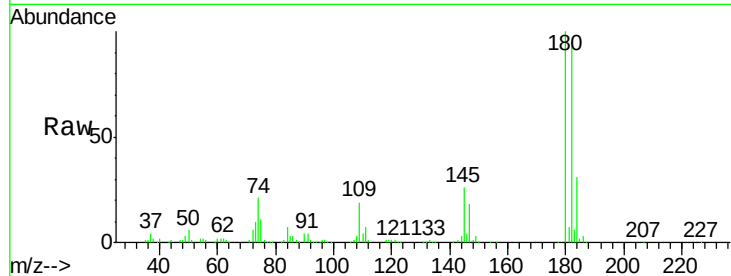




#89
 1,2,4-Trichlorobenzene
 Concen: 19.766 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX007967.D
 Acq: 11 Mar 2019 13:30

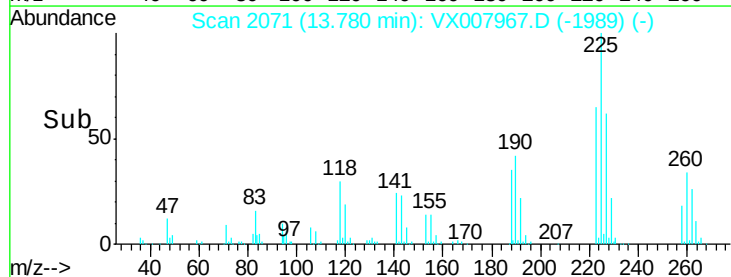
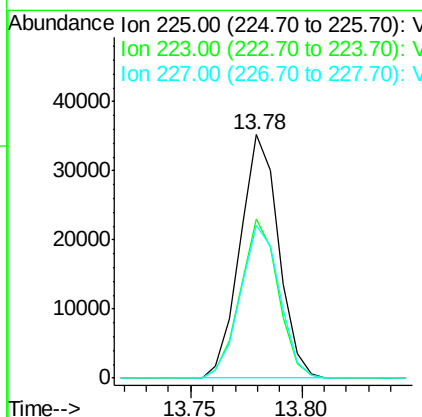
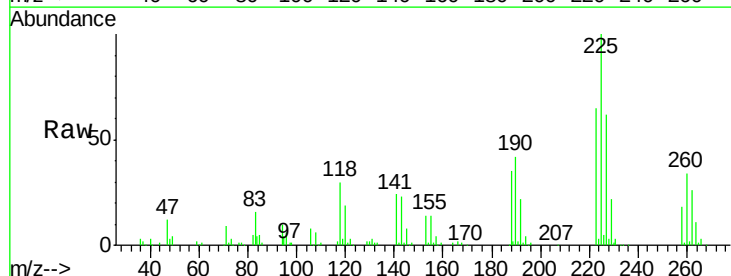
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

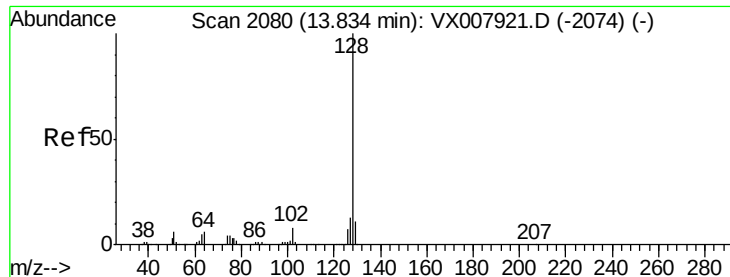
Tot Ion:180 Resp: 80324
 Ion Ratio Lower Upper
 180 100
 182 95.4 75.6 113.4
 145 27.6 23.0 34.6



#90
 Hexachlorobutadiene
 Concen: 19.014 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX007967.D
 Acq: 11 Mar 2019 13:30

Tgt Ion:225 Resp: 42615
 Ion Ratio Lower Upper
 225 100
 223 64.0 0.0 123.8
 227 64.1 0.0 124.4





#91

Naphthalene

Concen: 20.535 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX007967.D

Acq: 11 Mar 2019 13:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDC020EC

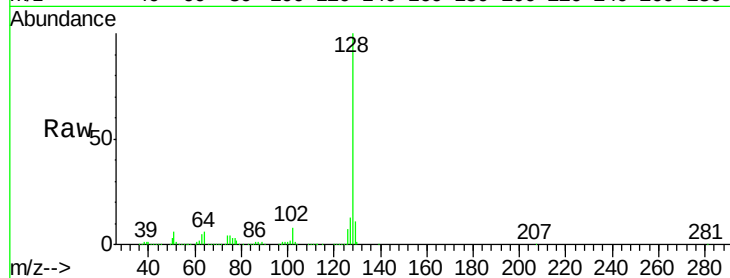
Tot Ion:128 Resp: 239209

Ion Ratio Lower Upper

128 100

127 13.0 10.5 15.7

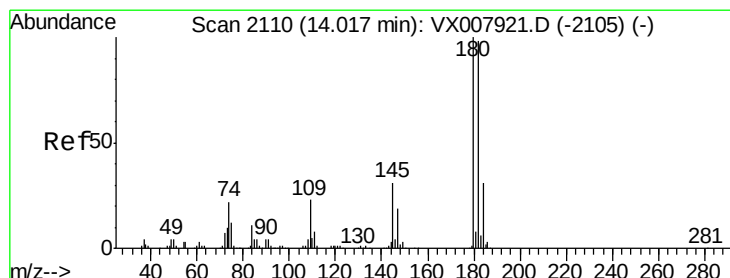
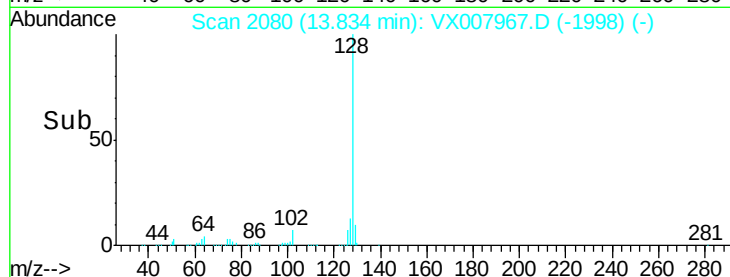
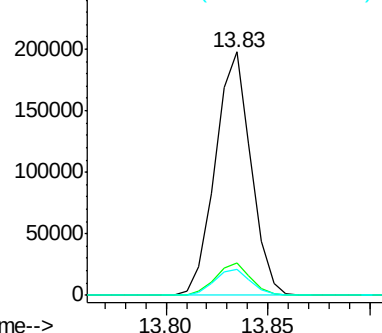
129 10.9 8.9 13.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#92

1,2,3-Trichlorobenzene

Concen: 20.093 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX007967.D

Acq: 11 Mar 2019 13:30

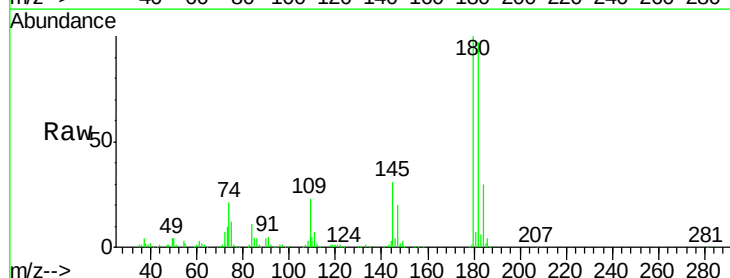
Tgt Ion:180 Resp: 81161

Ion Ratio Lower Upper

180 100

182 95.9 0.0 193.0

145 29.7 0.0 63.0



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

