

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX022219\
 Data File : VX007660.D
 Acq On : 22 Feb 2019 15:22
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Quant Time: Feb 23 00:32:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X021319W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Feb 13 07:51:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.02	128	67717	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	355629	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	325054	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	134518	30.71	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	102.37%
60) 4-Bromofluorobenzene	11.13	95	153811	30.83	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	102.77%
63) Toluene-d8	8.71	98	442046	30.09	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.30%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	72893	21.257	ug/l 99
3) Chloromethane	1.33	50	77379	20.532	ug/l 93
4) Vinyl Chloride	1.41	62	83977	19.810	ug/l 99
5) Bromomethane	1.65	94	61512	16.249	ug/l 96
6) Chloroethane	1.73	64	53340	18.511	ug/l 100
7) Trichlorofluoromethane	1.93	101	128608	19.354	ug/l 98
8) Diethyl Ether	2.19	74	51196	19.287	ug/l 95
9) 1,1,2-Trichlorotrifluoroet	2.38	101	76947	20.524	ug/l 98
10) 1,1-Dichloroethene	2.38	96	72653	19.529	ug/l 96
11) Methyl Iodide	2.51	142	107488	20.103	ug/l 97
12) Methyl Acetate	2.78	43	90808	17.700	ug/l 99
13) Acrolein	2.30	56	62687	70.045	ug/l 99
14) Acrylonitrile	3.15	53	217509	92.011	ug/l 98
15) Acetone	2.45	58	59653	92.983	ug/l 98
16) Carbon Disulfide	2.57	76	187297	18.985	ug/l 98
17) Allyl chloride	2.73	41	117045	18.363	ug/l 99
18) Methylene Chloride	2.86	84	78933	18.867	ug/l 96
19) trans-1,2-Dichloroethene	3.17	96	77467	19.469	ug/l 98
20) Diisopropyl ether	3.87	45	241522	20.050	ug/l 98
21) 1,1-Dichloroethane	3.70	63	134835	19.966	ug/l 100
22) cis-1,2-Dichloroethene	4.60	96	88443	19.973	ug/l 99
23) tert-Butyl Alcohol	3.07	59	85207	85.757	ug/l 100
24) Methyl tert-Butyl Ether	3.21	73	241377	18.696	ug/l 97
25) Chloroform	5.21	83	145054	20.337	ug/l 93
26) Cyclohexane	5.58	56	112099	19.795	ug/l # 98
29) 1,1-Dichloropropene	5.80	75	99707	20.100	ug/l 99
30) 2-Butanone	4.70	43	288329	98.216	ug/l 98
31) 2,2-Dichloropropane	4.59	77	92755	23.014	ug/l 97
32) 1,1,1-Trichloroethane	5.50	97	121468	20.486	ug/l 99
33) Carbon Tetrachloride	5.79	117	104386	19.916	ug/l 95
34) Benzene	6.15	78	312538	19.985	ug/l 98
35) Methacrylonitrile	5.06	41	61710	20.217	ug/l 98
36) 1,2-Dichloroethane	6.20	62	106623	20.035	ug/l 99
37) Trichloroethene	7.21	130	90066	20.032	ug/l 100
38) Methylcyclohexane	7.46	83	117049	20.383	ug/l 98
39) 1,2-Dichloropropane	7.52	63	77014	19.799	ug/l 96
40) Dibromomethane	7.66	93	56894	20.252	ug/l 97

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

41) Bromodichloromethane	7.90	83	99924	20.043	ug/l #	95
42) Vinyl Acetate	3.82	43	1038478	101.062	ug/l	100
43) Ethyl Acetate	4.85	43	110677	19.687	ug/l #	81
44) Isopropyl Acetate	6.46	43	169730	19.554	ug/l	100
45) 1,4-Dioxane	7.75	88	36029	351.706	ug/l	99
46) Methyl methacrylate	7.77	41	85497	19.451	ug/l	97
47) n-amyl Acetate	10.90	43	154840	20.239	ug/l	97
48) t-1,3-Dichloropropene	9.04	75	102791	19.973	ug/l	97
49) cis-1,3-Dichloropropene	8.43	75	115891	20.221	ug/l	96
50) 1,1,2-Trichloroethane	9.21	97	86417	21.097	ug/l	93
51) Ethyl methacrylate	9.18	69	115354	19.425	ug/l	97
52) 1,3-Dichloropropane	9.37	76	137825	20.860	ug/l	98
53) Dibromochloromethane	9.58	129	84222	19.769	ug/l	96
54) 1,2-Dibromoethane	9.67	107	92403	20.601	ug/l	98
55) 2-Chloroethyl vinyl ether	8.31	63	307480	101.843	ug/l	99
56) Bromoform	10.85	173	61567	19.158	ug/l	99
58) 4-Methyl-2-Pentanone	8.65	43	576068	98.527	ug/l	100
59) 2-Hexanone	9.49	43	437956	98.617	ug/l	99
61) Tetrachloroethene	9.33	164	93676	20.301	ug/l	94
62) Toluene	8.79	91	354313	20.014	ug/l	99
64) Chlorobenzene	10.14	112	229042	19.909	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.22	131	84075	20.177	ug/l	99
66) Ethyl Benzene	10.25	91	371958	19.800	ug/l	98
67) m/p-Xylenes	10.36	106	297130	40.326	ug/l	98
68) o-Xylene	10.70	106	143798	20.010	ug/l	97
69) Styrene	10.71	104	232229	20.025	ug/l	98
70) Isopropylbenzene	11.02	105	378202	19.948	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.27	83	127398	20.328	ug/l	99
72) 1,2,3-Trichloropropane	11.30	75	140232	24.472	ug/l	90
73) Bromobenzene	11.26	156	103865	20.066	ug/l	99
74) n-propylbenzene	11.36	91	424952	20.187	ug/l	100
75) 2-Chlorotoluene	11.42	91	255748	20.319	ug/l	98
76) 1,3,5-Trimethylbenzene	11.51	105	305052	19.711	ug/l	100
77) t-1,4-Dichloro-2-butene	11.07	75	31931	19.305	ug/l	98
78) 4-Chlorotoluene	11.51	91	283681	19.745	ug/l	99
79) tert-butylbenzene	12.06	119	327566	19.933	ug/l	99
80) 1,2,4-Trimethylbenzene	11.80	105	320001	20.369	ug/l	99
81) sec-Butylbenzene	11.94	105	371000	20.074	ug/l	99
82) p-Isopropyltoluene	12.06	119	327566	19.933	ug/l	99
83) 1,3-Dichlorobenzene	12.02	146	183902	20.210	ug/l	99
84) 1,4-Dichlorobenzene	12.10	146	181496	19.987	ug/l	98
85) n-Butylbenzene	12.39	91	273535	20.059	ug/l	99
86) Hexachloroethane	12.60	117	53663	19.669	ug/l	98
87) 1,2-Dichlorobenzene	12.39	146	183816	20.126	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	13.00	75	24859	19.007	ug/l	98
89) 1,2,4-Trichlorobenzene	13.65	180	119291	19.887	ug/l	99
90) Hexachlorobutadiene	13.78	225	58052	20.713	ug/l	100
91) Naphthalene	13.83	128	369519	19.315	ug/l	99
92) 1,2,3-Trichlorobenzene	14.02	180	120780	19.807	ug/l	99

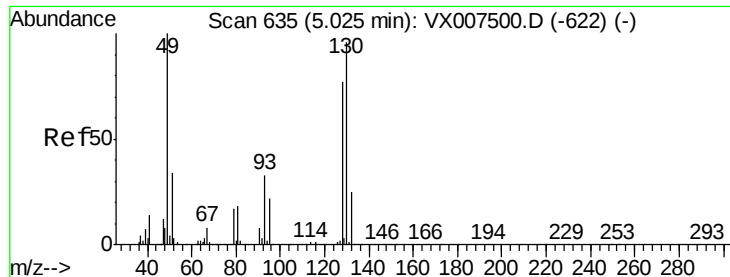
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX022219\
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QLast Update : Wed Feb 13 07:51:18 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.02 min Scan# 634

Delta R.T. -0.01 min

Lab File: VX007660.D

Acq: 22 Feb 2019 15:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

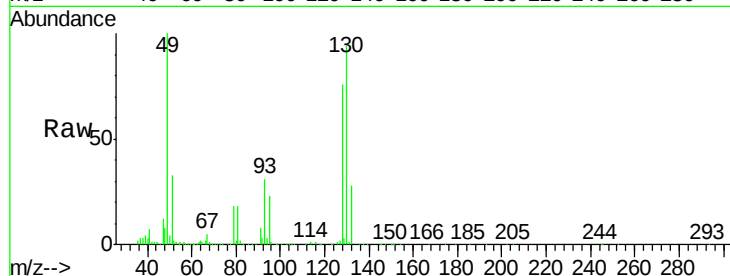
Tot Ion:128 Resp: 67717

Ion Ratio Lower Upper

128 100

49 140.4 0.0 350.8

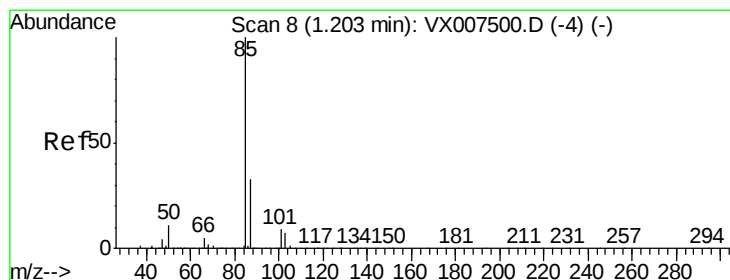
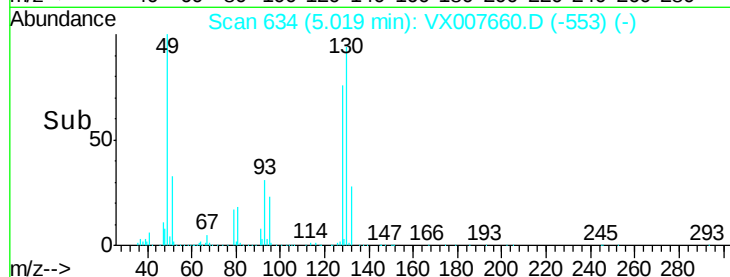
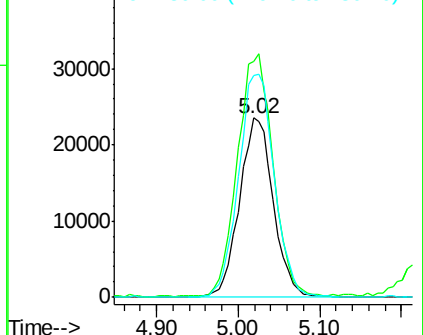
130 131.5 0.0 325.8



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: 21.257 ug/l

RT: 1.20 min Scan# 8

Delta R.T. -0.00 min

Lab File: VX007660.D

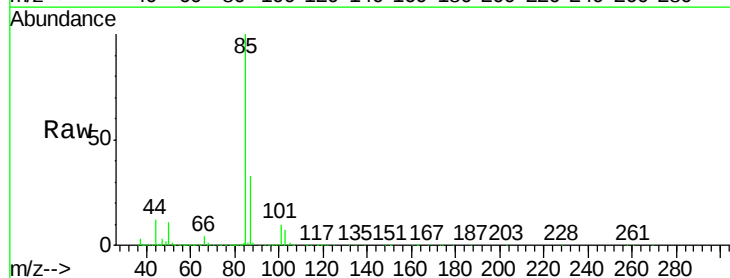
Acq: 22 Feb 2019 15:22

Tgt Ion: 85 Resp: 72893

Ion Ratio Lower Upper

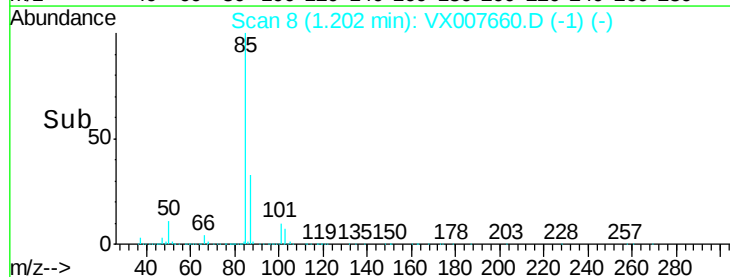
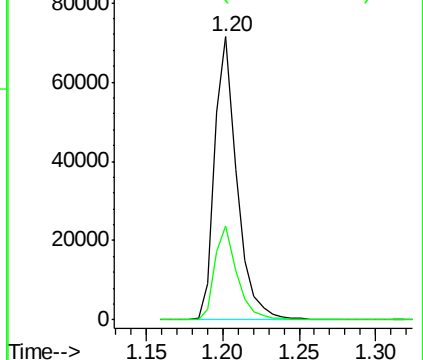
85 100

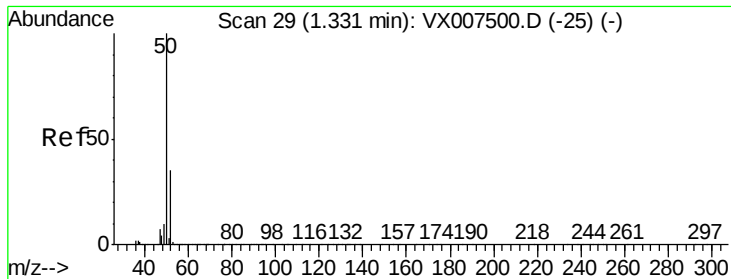
87 32.8 16.6 49.8



Abundance Ion 85.00 (84.70 to 85.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

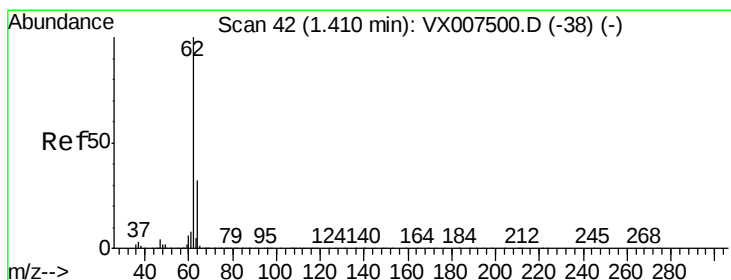
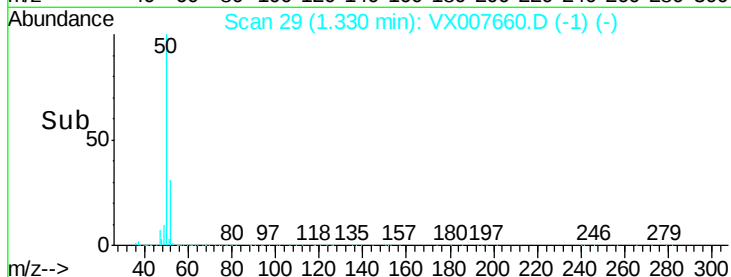
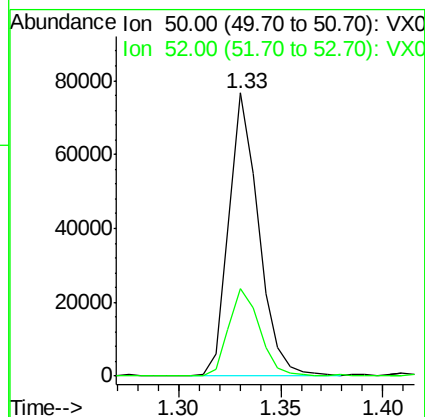
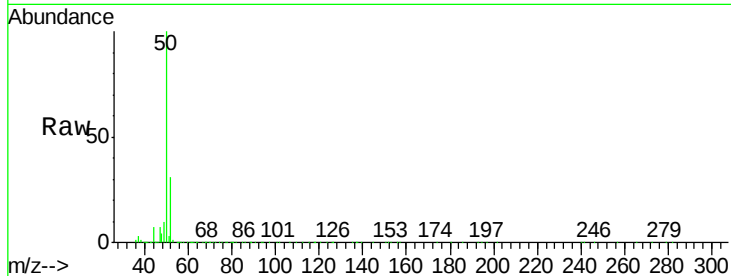




#3
Chloromethane
Concen: 20.532 ug/l
RT: 1.33 min Scan# 29
Delta R.T. -0.00 min
Lab File: VX007660.D
Acq: 22 Feb 2019 15:22

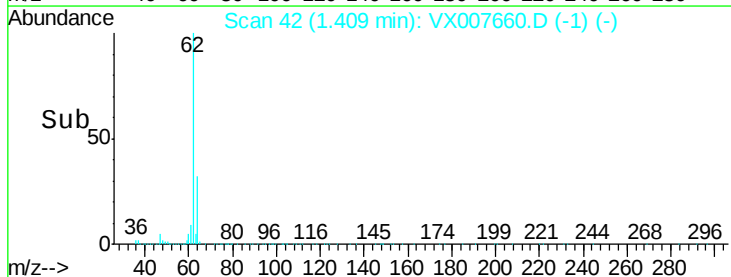
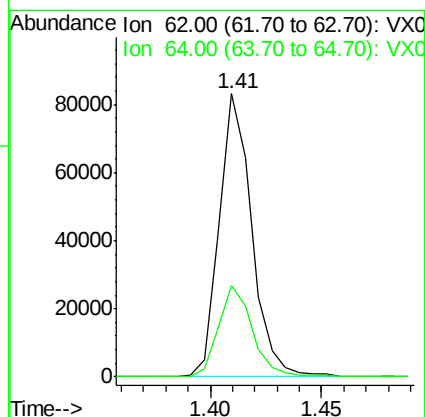
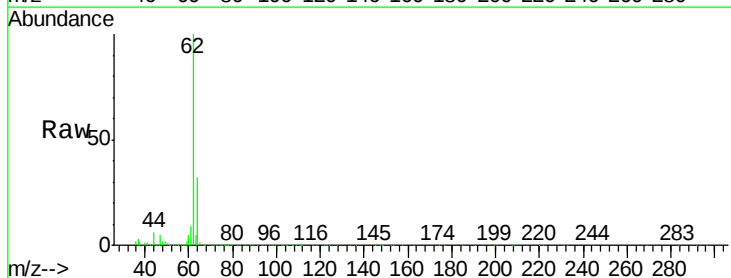
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

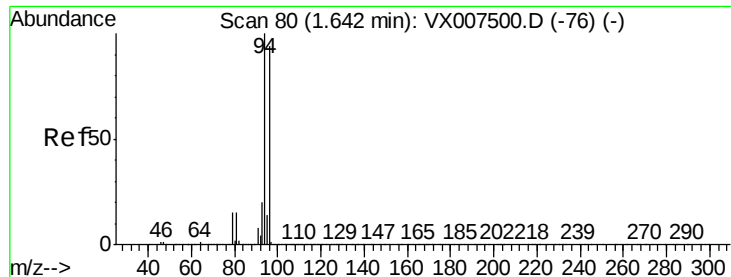
Tot Ion: 50 Resp: 77379
Ion Ratio Lower Upper
50 100
52 30.6 27.5 41.3



#4
Vinyl Chloride
Concen: 19.810 ug/l
RT: 1.41 min Scan# 42
Delta R.T. -0.00 min
Lab File: VX007660.D
Acq: 22 Feb 2019 15:22

Tgt Ion: 62 Resp: 83977
Ion Ratio Lower Upper
62 100
64 32.0 25.9 38.9





#5

Bromomethane

Concen: 16.249 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX007660.D

Acq: 22 Feb 2019 15:22

Instrument :

MSVOA_X

ClientSampleId :

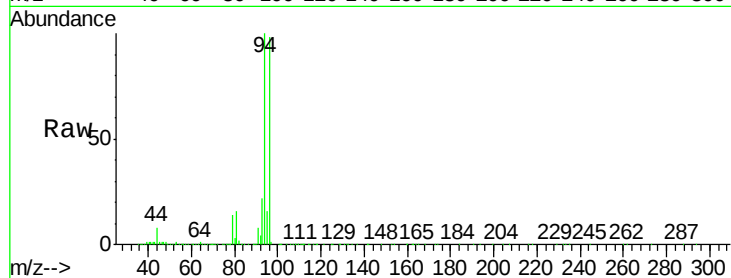
VSTDCCC020EC

Tot Ion: 94 Resp: 61512

Ion Ratio Lower Upper

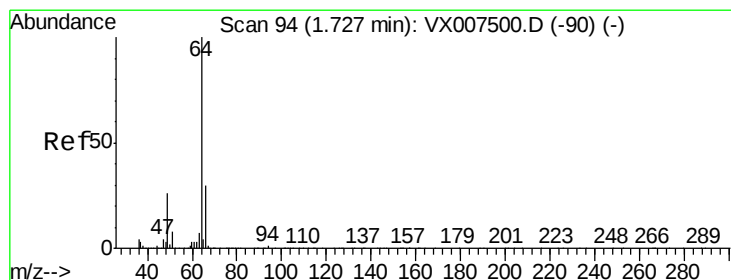
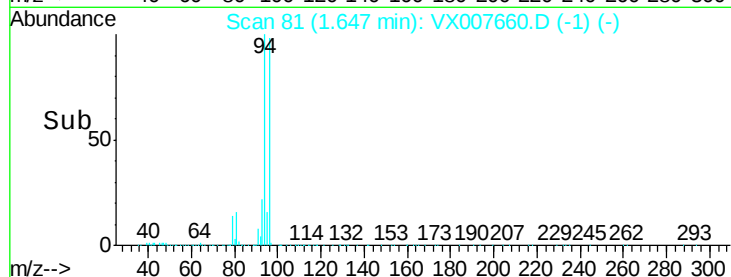
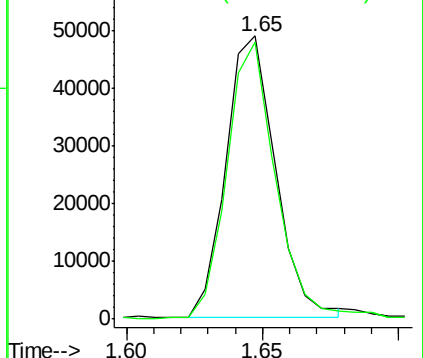
94 100

96 98.0 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: 18.511 ug/l

RT: 1.73 min Scan# 95

Delta R.T. 0.01 min

Lab File: VX007660.D

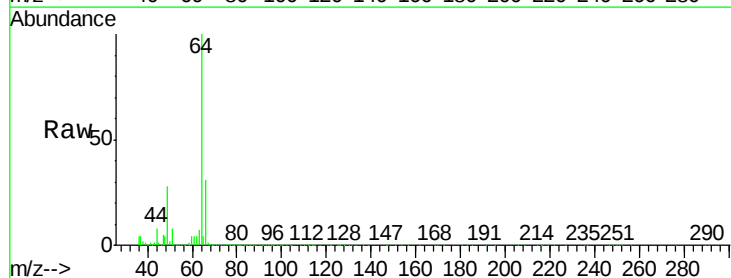
Acq: 22 Feb 2019 15:22

Tgt Ion: 64 Resp: 53340

Ion Ratio Lower Upper

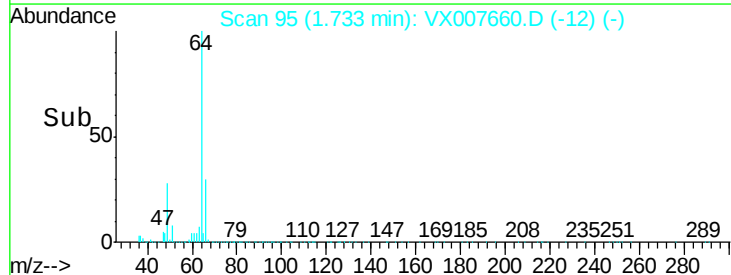
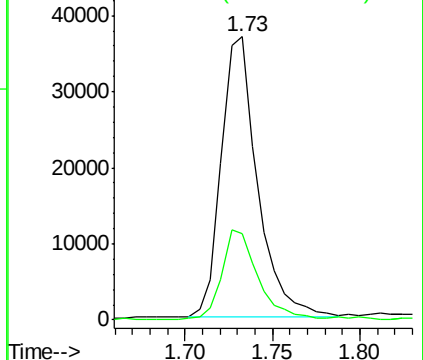
64 100

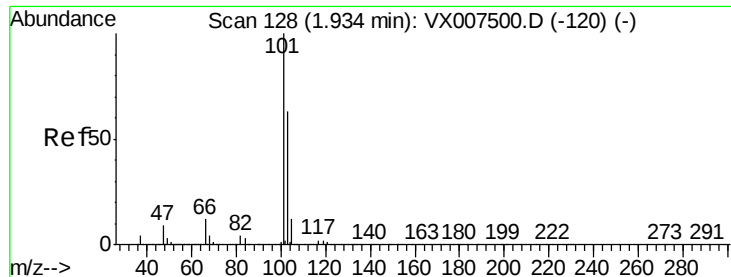
66 30.1 23.9 35.9



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0



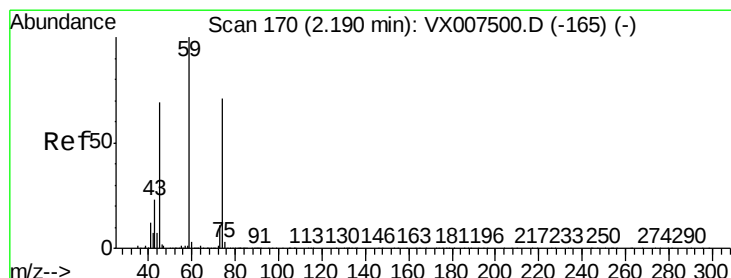
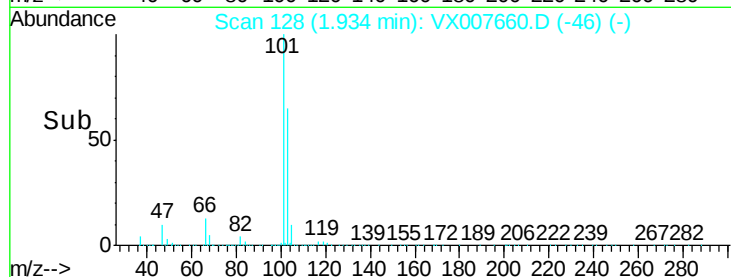
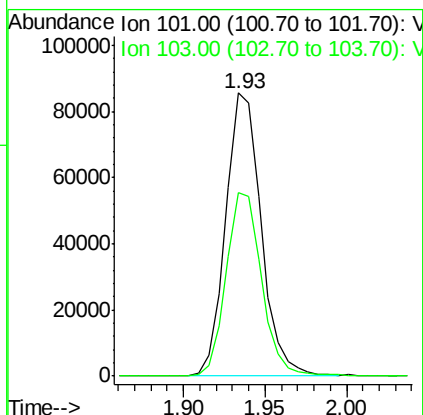
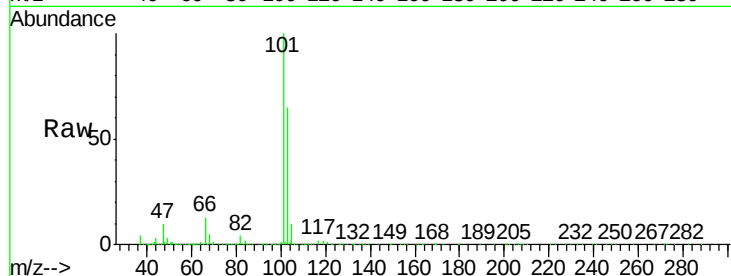


#7

Trichlorofluoromethane
Concen: 19.354 ug/l
RT: 1.93 min Scan# 128
Delta R.T. -0.00 min
Lab File: VX007660.D
Acq: 22 Feb 2019 15:22

Instrument :
MSVOA_X
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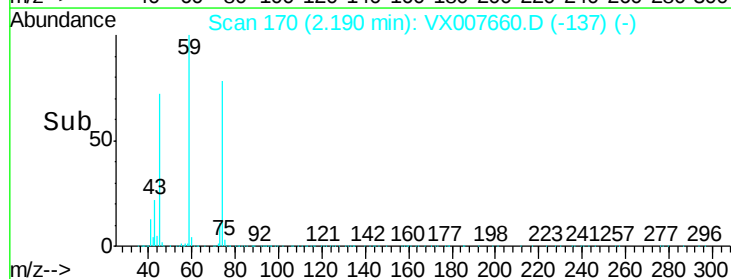
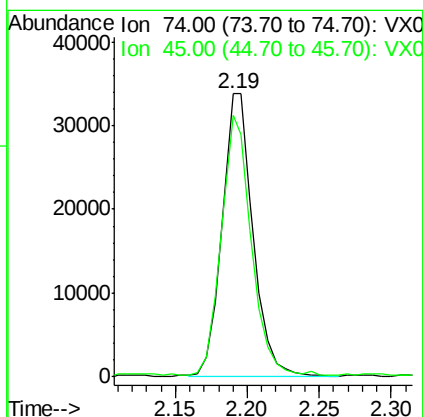
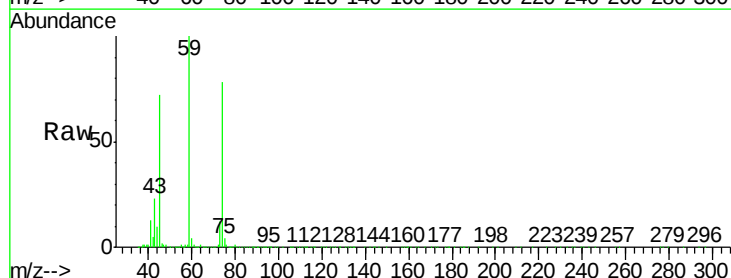
Tot Ion:101 Resp: 128608
Ion Ratio Lower Upper
101 100
103 64.7 50.4 75.6

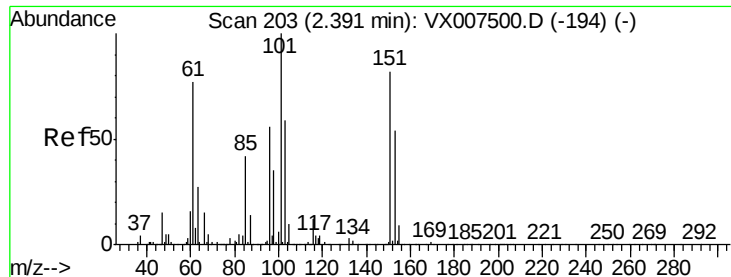


#8

Diethyl Ether
Concen: 19.287 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX007660.D
Acq: 22 Feb 2019 15:22

Tgt Ion: 74 Resp: 51196
Ion Ratio Lower Upper
74 100
45 88.5 18.6 167.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.524 ug/l

RT: 2.38 min Scan# 202

Delta R.T. -0.01 min

Lab File: VX007660.D

Acq: 22 Feb 2019 15:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

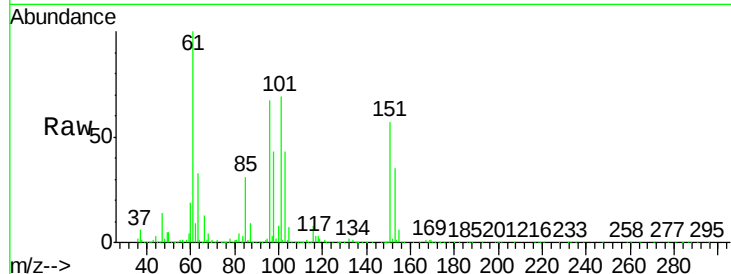
Tot Ion:101 Resp: 76947

Ion Ratio Lower Upper

101 100

85 44.1 0.0 86.8

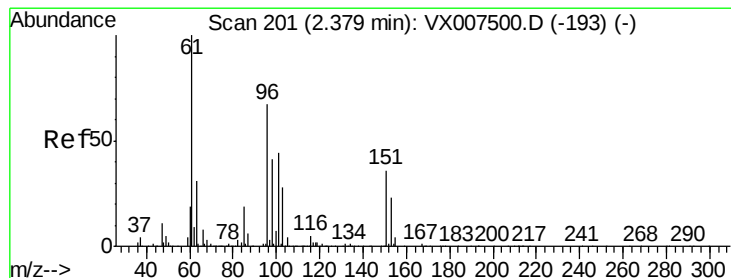
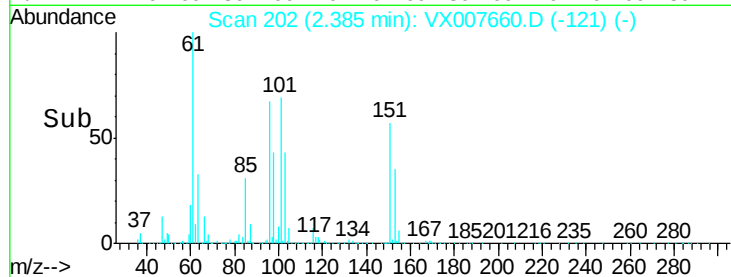
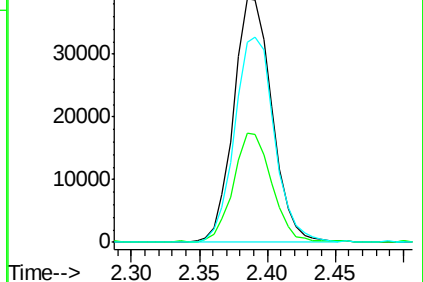
151 86.8 0.0 169.2



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: 19.529 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX007660.D

Acq: 22 Feb 2019 15:22

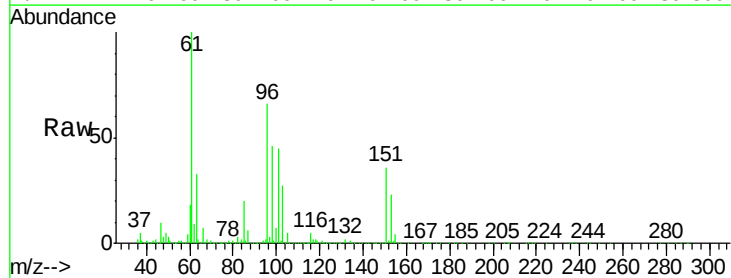
Tgt Ion: 96 Resp: 72653

Ion Ratio Lower Upper

96 100

61 151.7 120.2 180.2

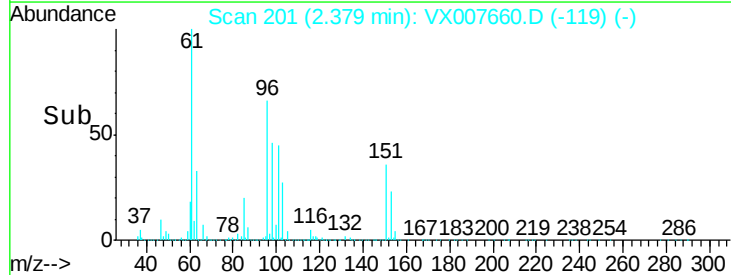
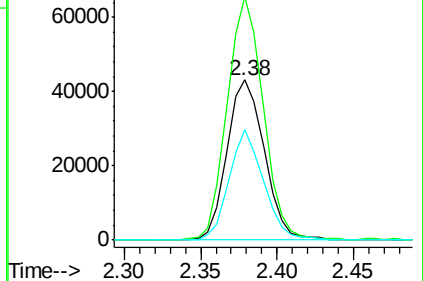
98 69.4 49.0 73.4

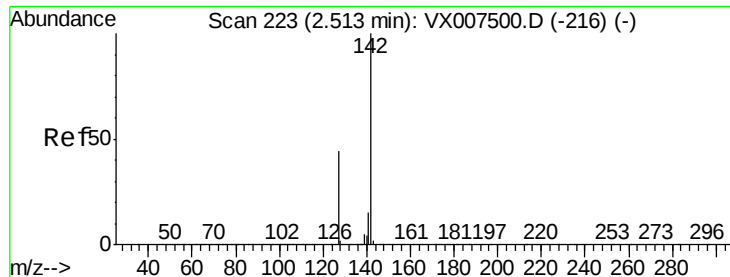


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

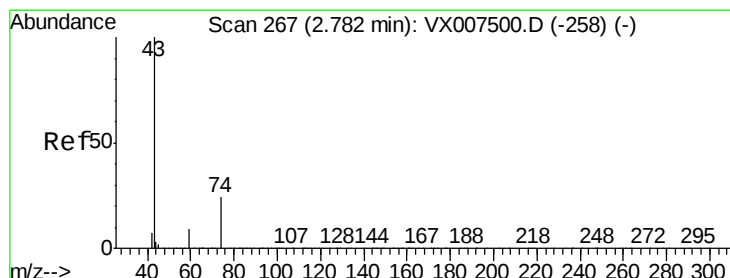
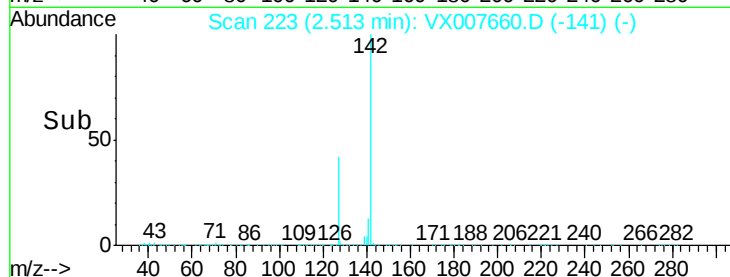
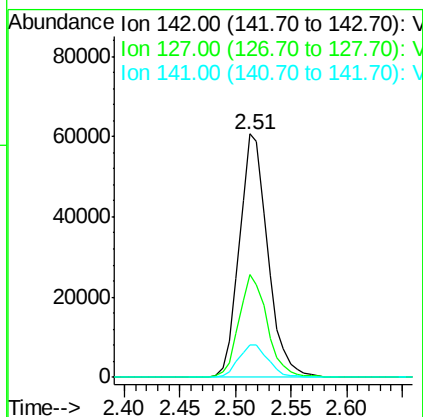
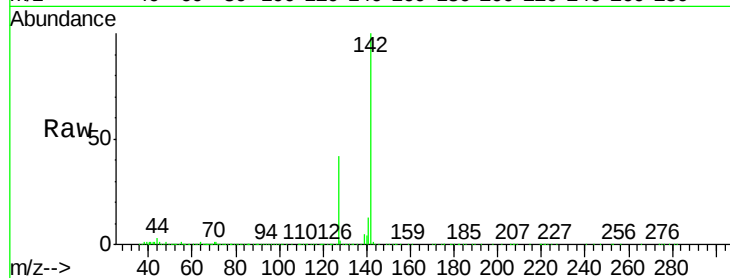




#11
Methvl Iodide
Concen: 20.103 ug/l
RT: 2.51 min Scan# 223
Delta R.T. -0.00 min
Lab File: VX007660.D
Acq: 22 Feb 2019 15:22

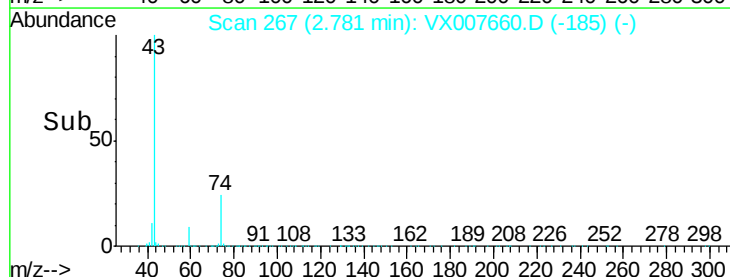
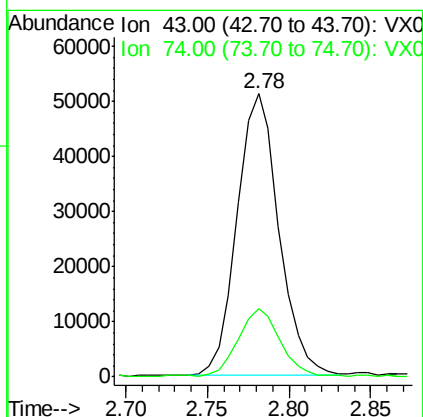
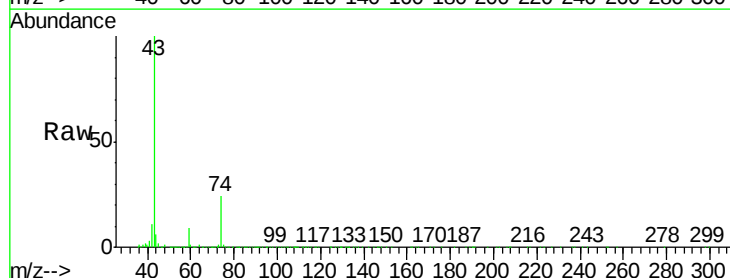
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

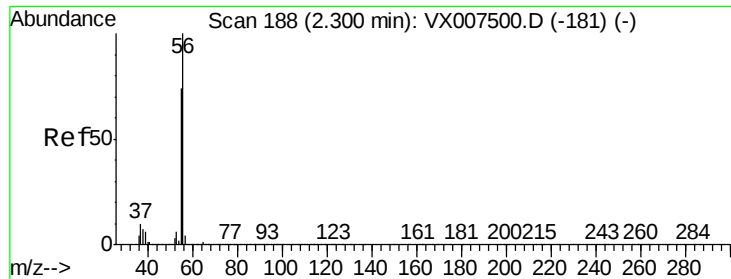
Tot Ion:142 Resp: 107488
Ion Ratio Lower Upper
142 100
127 42.3 22.1 66.5
141 13.0 7.4 22.3



#12
Methyl Acetate
Concen: 17.700 ug/l
RT: 2.78 min Scan# 267
Delta R.T. -0.00 min
Lab File: VX007660.D
Acq: 22 Feb 2019 15:22

Tgt Ion: 43 Resp: 90808
Ion Ratio Lower Upper
43 100
74 23.9 19.4 29.0

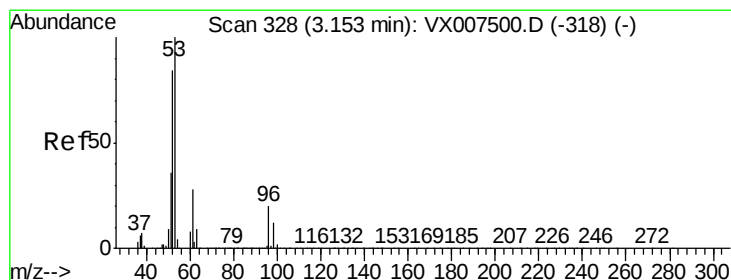
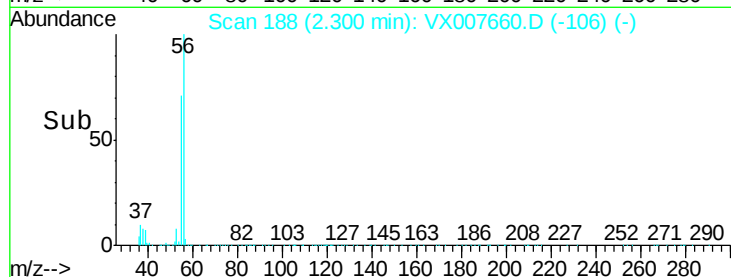
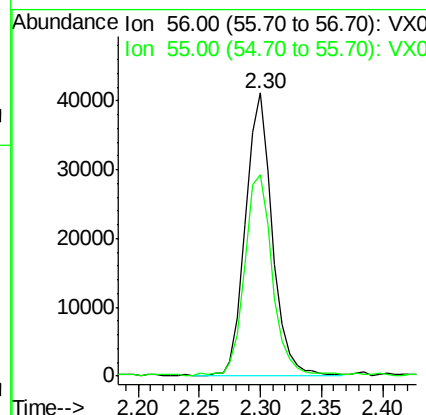
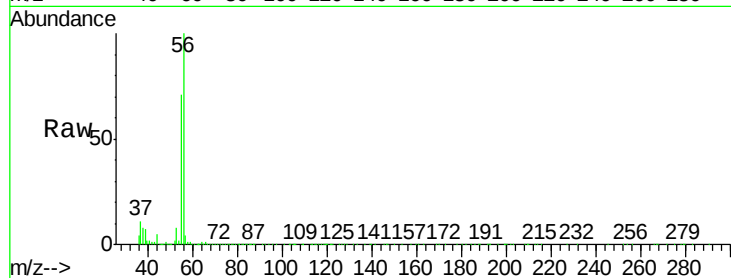




#13
Acrolein
Concen: 70.045 ug/l
RT: 2.30 min Scan# 188
Delta R.T. -0.00 min
Lab File: VX007660.D
Acq: 22 Feb 2019 15:22

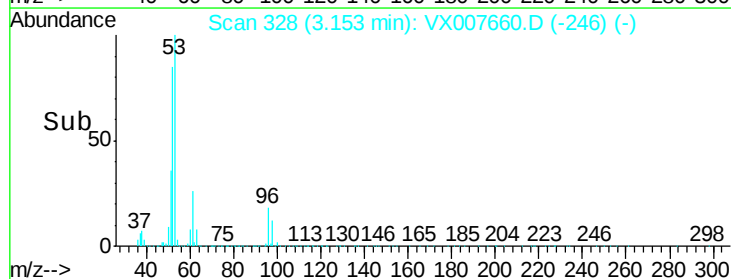
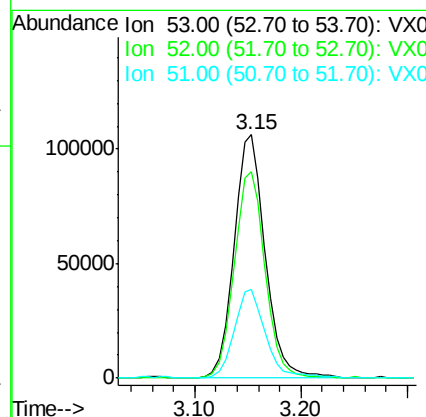
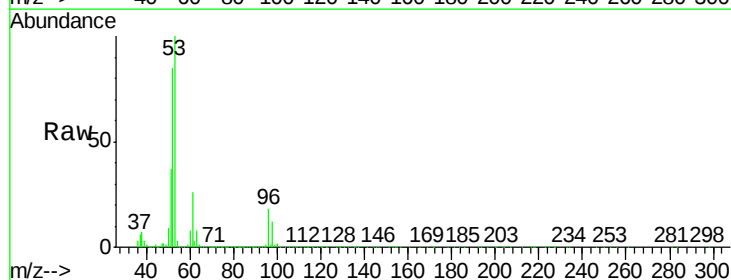
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

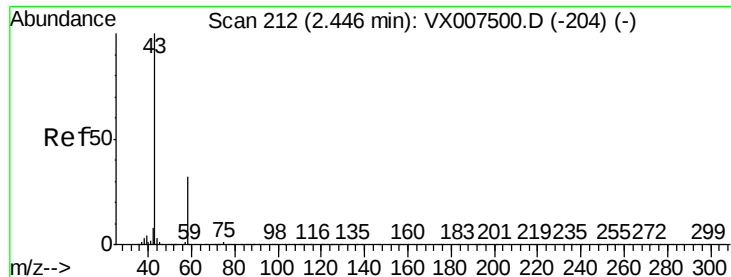
Tot Ion: 56 Resp: 62687
Ion Ratio Lower Upper
56 100
55 72.0 58.6 87.8



#14
Acrylonitrile
Concen: 92.011 ug/l
RT: 3.15 min Scan# 328
Delta R.T. -0.00 min
Lab File: VX007660.D
Acq: 22 Feb 2019 15:22

Tgt Ion: 53 Resp: 217509
Ion Ratio Lower Upper
53 100
52 83.6 41.3 124.1
51 36.7 17.5 52.6





#15

Acetone

Concen: 92.983 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX007660.D

Acq: 22 Feb 2019 15:22

Instrument :

MSVOA_X

ClientSampleId :

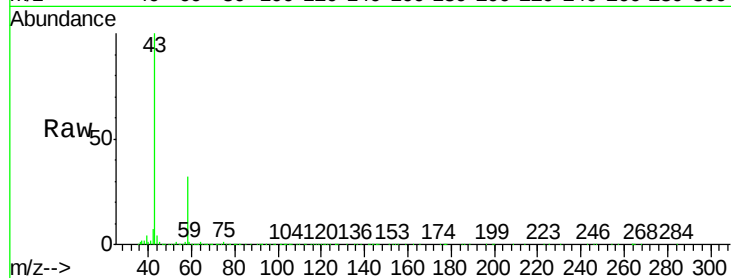
VSTDCCC020EC

Tot Ion: 58 Resp: 59653

Ion Ratio Lower Upper

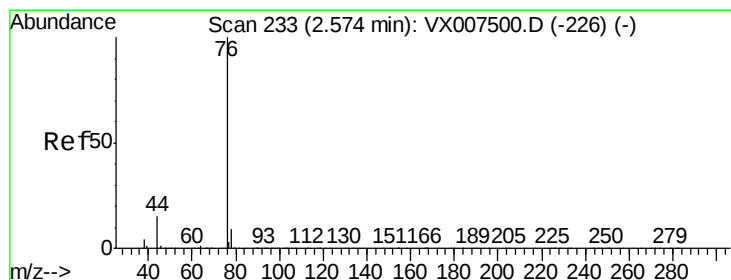
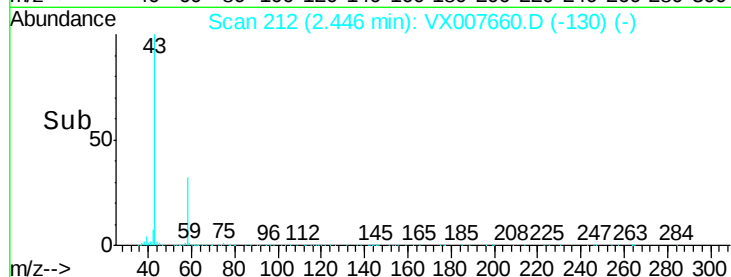
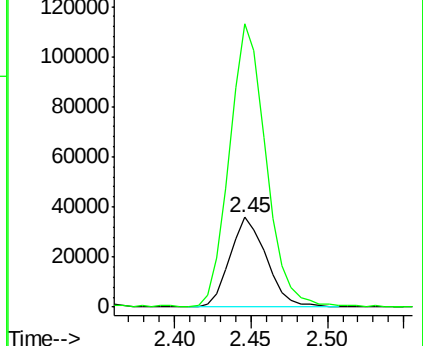
58 100

43 316.5 249.8 374.6



Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0



#16

Carbon Disulfide

Concen: 18.985 ug/l

RT: 2.57 min Scan# 233

Delta R.T. -0.00 min

Lab File: VX007660.D

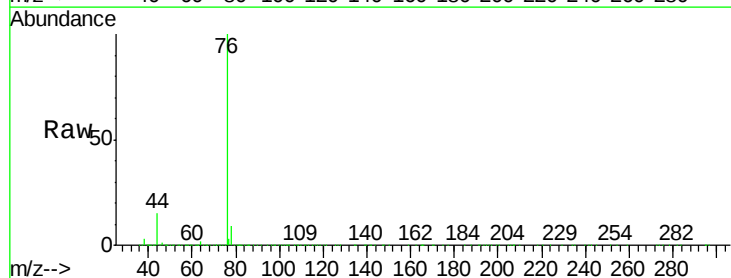
Acq: 22 Feb 2019 15:22

Tgt Ion: 76 Resp: 187297

Ion Ratio Lower Upper

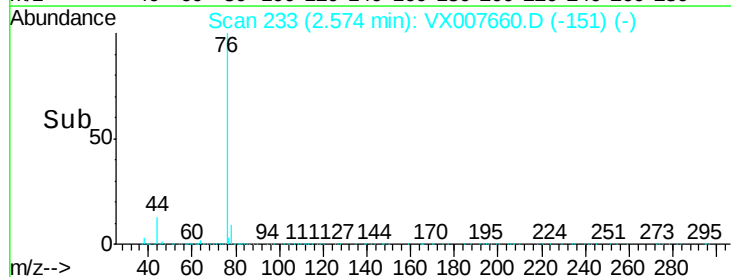
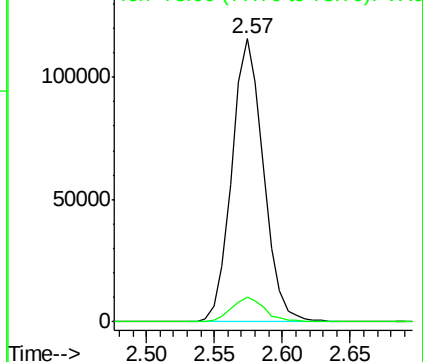
76 100

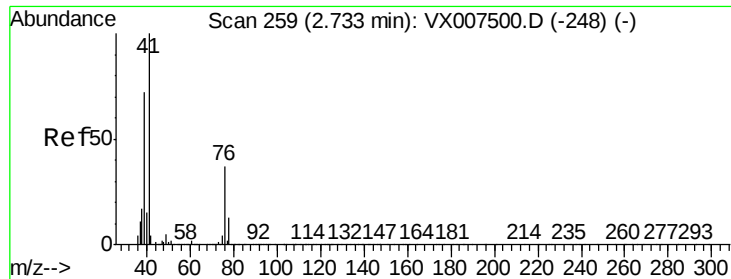
78 8.6 7.5 11.3



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0

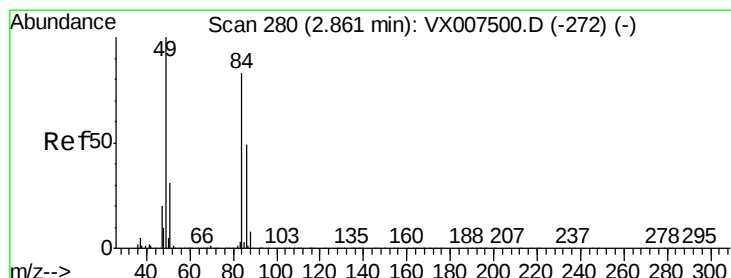
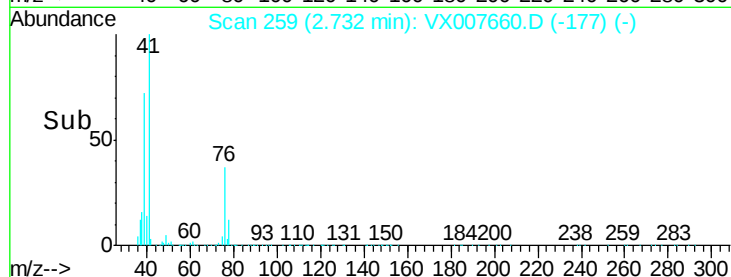
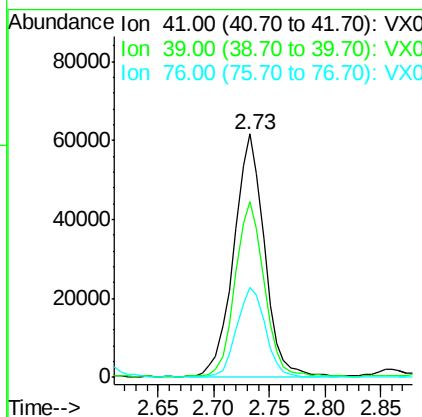
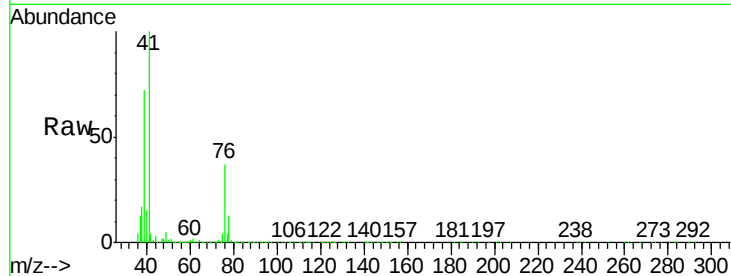




#17
Allvl chloride
Concen: 18.363 ug/l
RT: 2.73 min Scan# 259
Delta R.T. -0.00 min
Lab File: VX007660.D
Acq: 22 Feb 2019 15:22

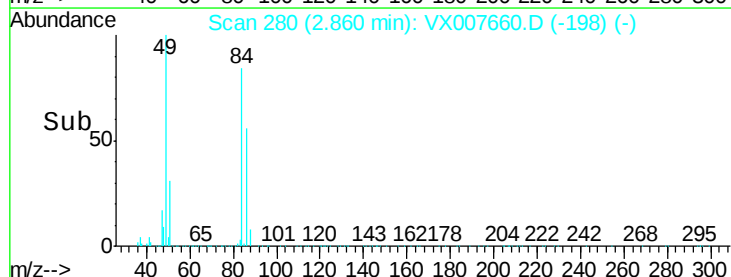
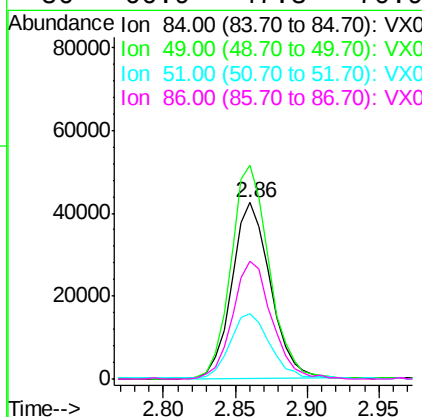
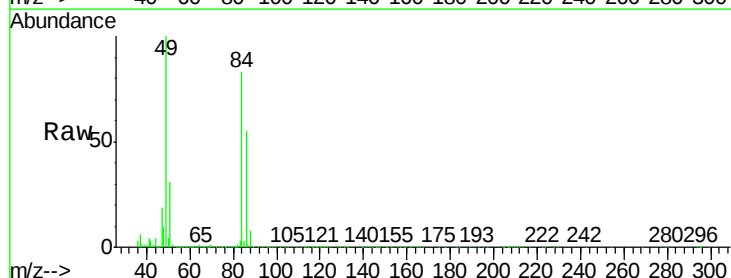
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

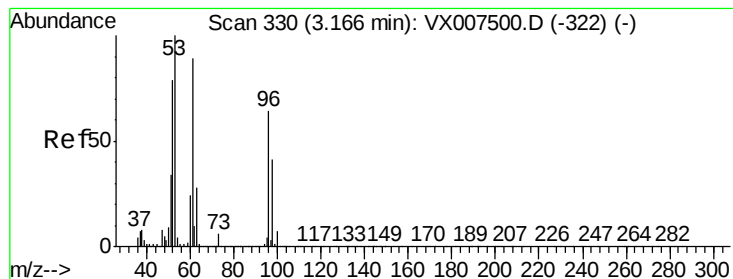
Tot Ion: 41 Resp: 117045
Ion Ratio Lower Upper
41 100
39 71.8 35.8 107.4
76 37.2 18.3 54.9



#18
Methylene Chloride
Concen: 18.867 ug/l
RT: 2.86 min Scan# 280
Delta R.T. -0.00 min
Lab File: VX007660.D
Acq: 22 Feb 2019 15:22

Tgt Ion: 84 Resp: 78933
Ion Ratio Lower Upper
84 100
49 121.6 96.1 144.1
51 36.7 29.1 43.7
86 66.9 47.3 70.9





#19

trans-1,2-Dichloroethene

Concen: 19.469 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX007660.D

Acq: 22 Feb 2019 15:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

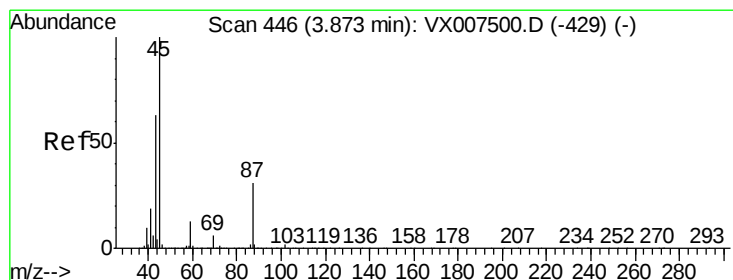
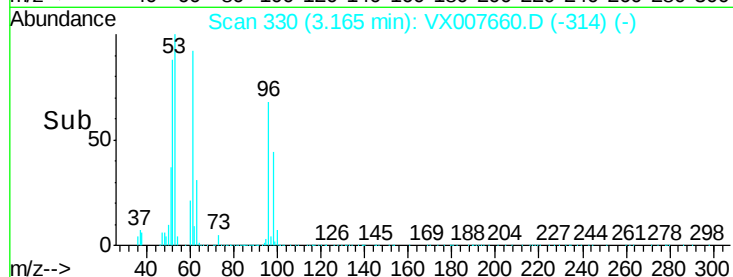
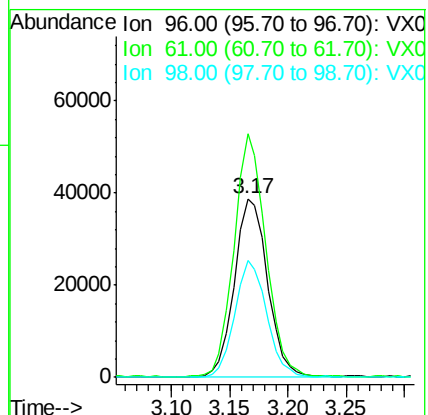
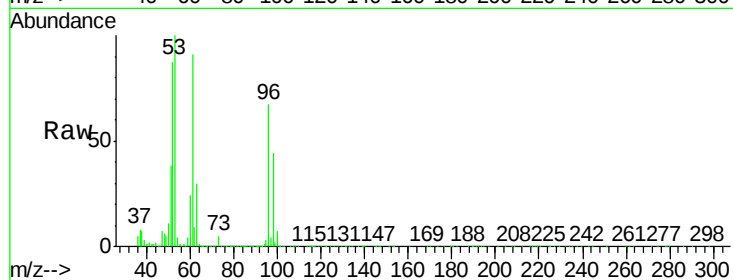
Tot Ion: 96 Resp: 77467

Ion Ratio Lower Upper

96 100

61 135.4 109.9 164.9

98 64.8 50.4 75.6



#20

Diisopropyl ether

Concen: 20.050 ug/l

RT: 3.87 min Scan# 446

Delta R.T. -0.00 min

Lab File: VX007660.D

Acq: 22 Feb 2019 15:22

Tgt Ion: 45 Resp: 241522

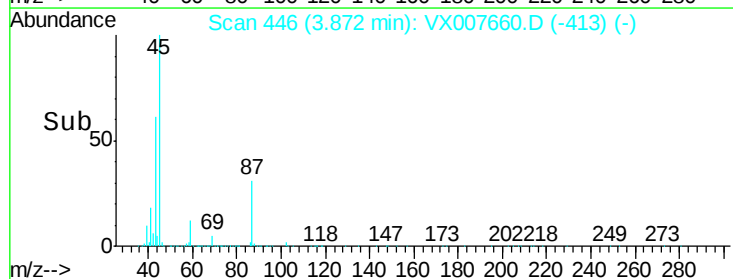
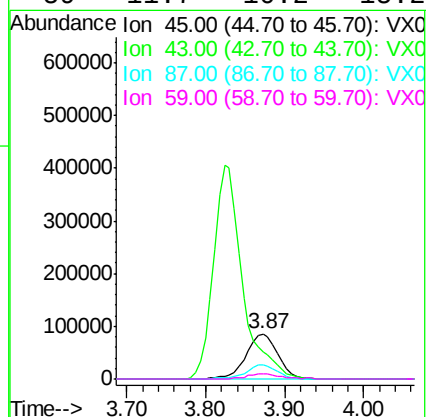
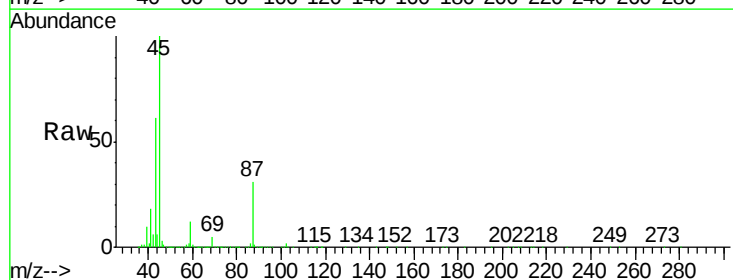
Ion Ratio Lower Upper

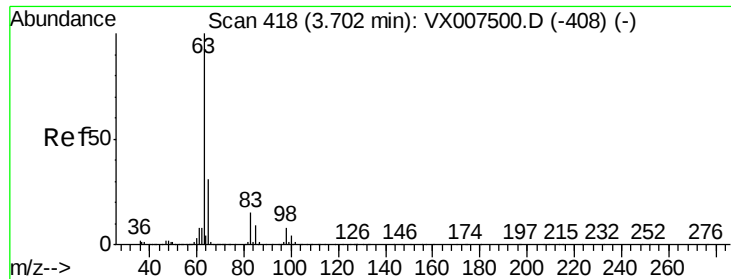
45 100

43 61.0 50.6 76.0

87 31.0 24.5 36.7

59 11.7 10.2 15.2

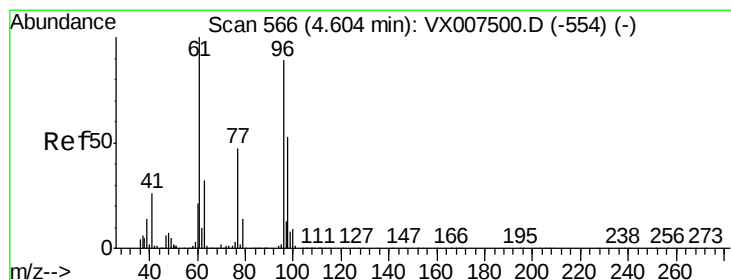
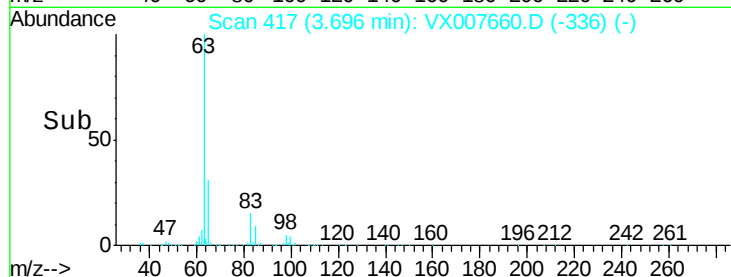
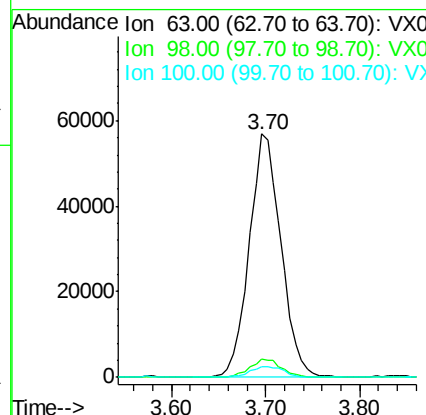
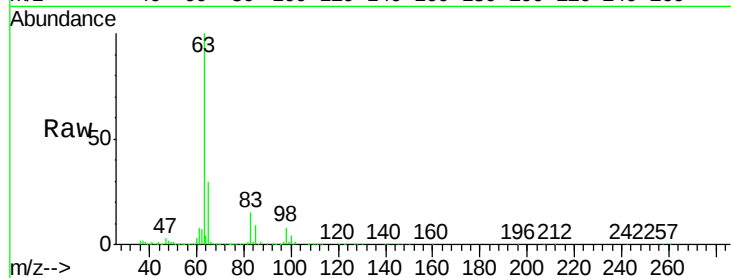




#21
 1,1-Dichloroethane
 Concen: 19.966 ug/l
 RT: 3.70 min Scan# 417
 Delta R.T. -0.01 min
 Lab File: VX007660.D
 Acq: 22 Feb 2019 15:22

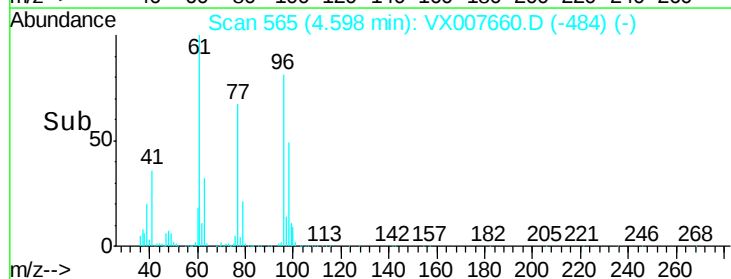
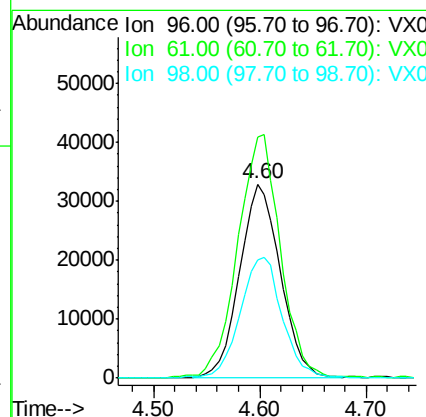
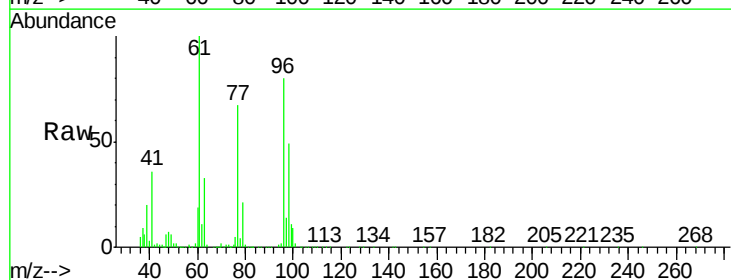
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

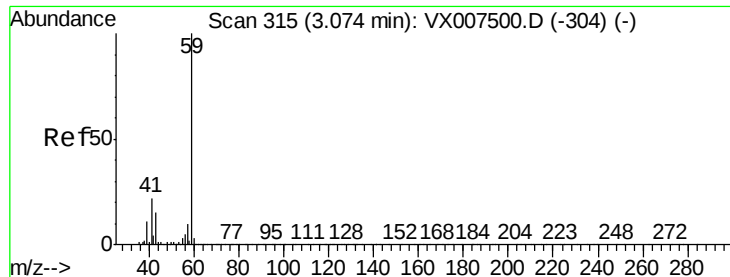
Tot Ion	Ratio	Lower	Upper
63	100		
98	7.8	3.8	11.4
100	4.7	2.4	7.1



#22
 cis-1,2-Dichloroethene
 Concen: 19.973 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. -0.01 min
 Lab File: VX007660.D
 Acq: 22 Feb 2019 15:22

Tgt Ion	Ratio	Lower	Upper
96	100		
61	127.6	103.5	155.3
98	64.3	52.1	78.1





#23

tert-Butyl Alcohol

Concen: 85.757 ug/l

RT: 3.07 min Scan# 314

Delta R.T. -0.01 min

Lab File: VX007660.D

Acq: 22 Feb 2019 15:22

Instrument :

MSVOA_X

ClientSampleId :

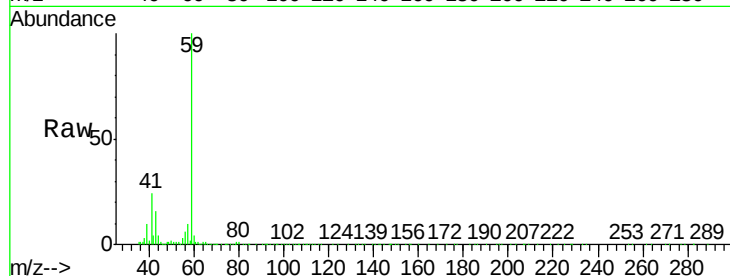
VSTDCCC020EC

Tot Ion: 59 Resp: 85207

Ion Ratio Lower Upper

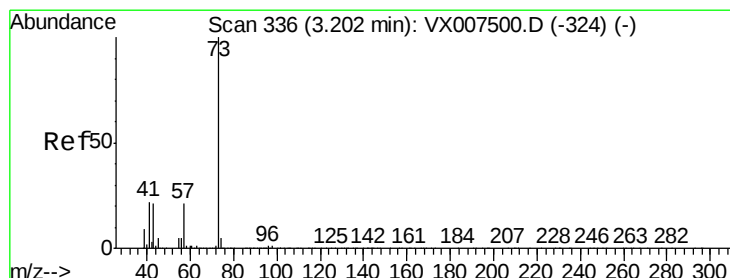
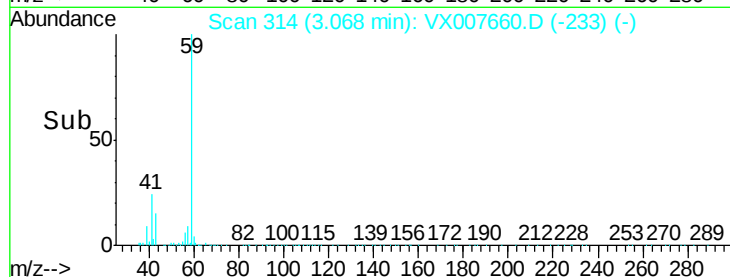
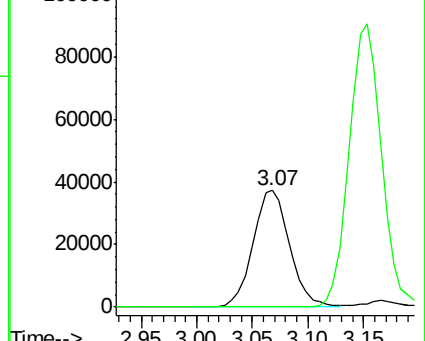
59 100

52 0.2 0.2 0.2



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#24

Methyl tert-Butyl Ether

Concen: 18.696 ug/l

RT: 3.21 min Scan# 337

Delta R.T. 0.01 min

Lab File: VX007660.D

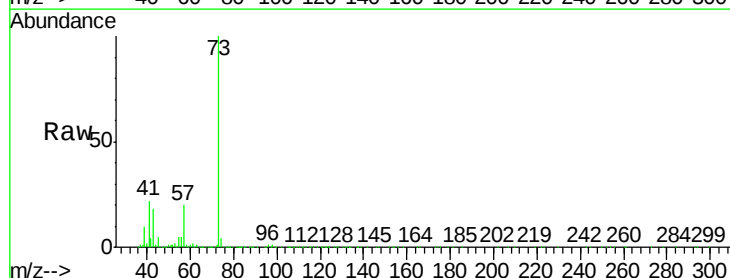
Acq: 22 Feb 2019 15:22

Tgt Ion: 73 Resp: 241377

Ion Ratio Lower Upper

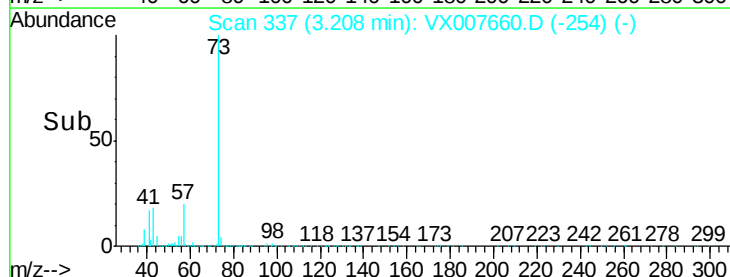
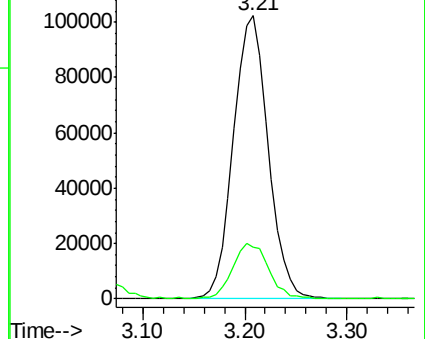
73 100

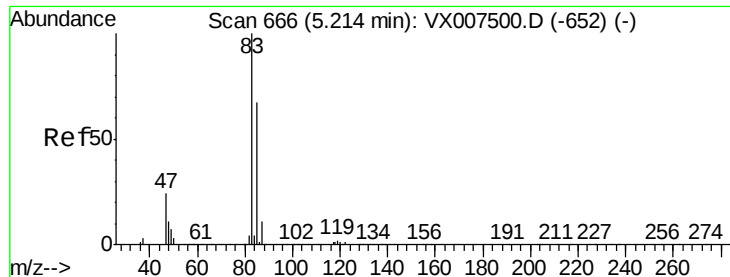
43 20.0 17.1 25.7



Abundance Ion 73.00 (72.70 to 73.70): VX0

Ion 43.00 (42.70 to 43.70): VX0





#25

Chloroform

Concen: 20.337 ug/l

RT: 5.21 min Scan# 666

Delta R.T. -0.00 min

Lab File: VX007660.D

Acq: 22 Feb 2019 15:22

Instrument :

MSVOA_X

ClientSampleId :

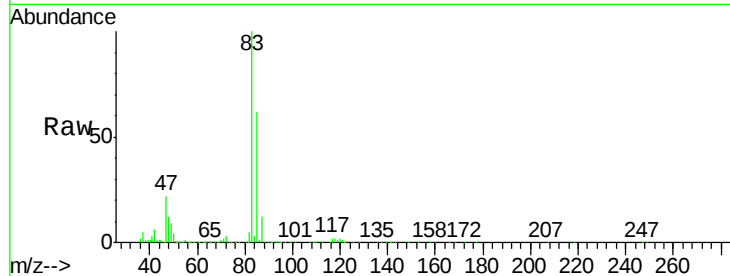
VSTDCCC020EC

Tot Ion: 83 Resp: 145054

Ion Ratio Lower Upper

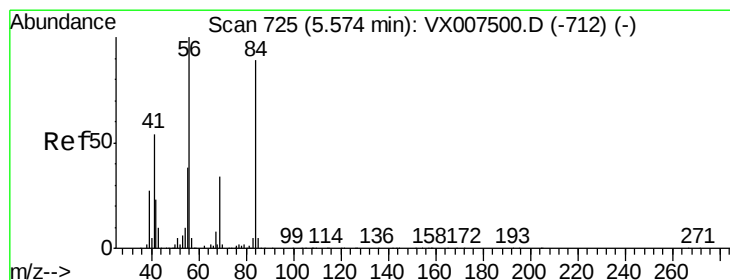
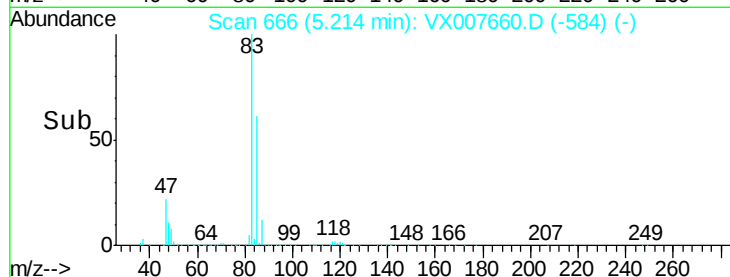
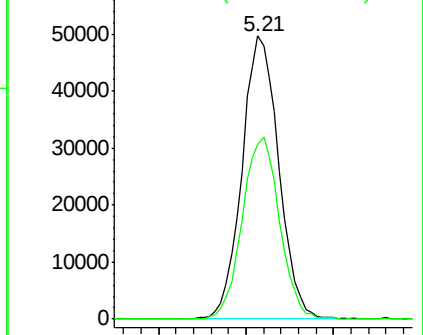
83 100

85 61.4 53.8 80.6



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0



#26

Cyclohexane

Concen: 19.795 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.01 min

Lab File: VX007660.D

Acq: 22 Feb 2019 15:22

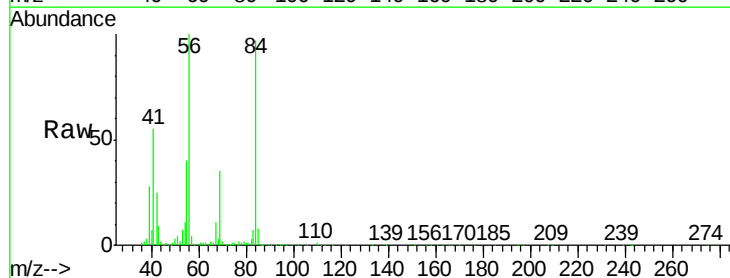
Tgt Ion: 56 Resp: 112099

Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0#

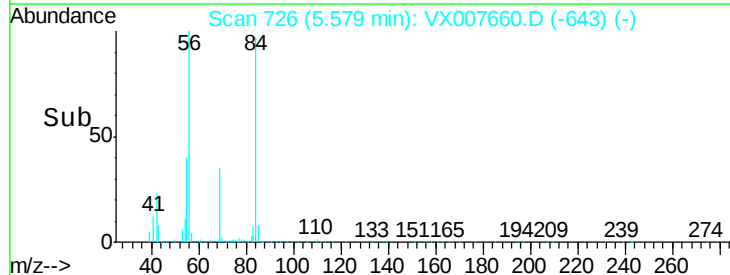
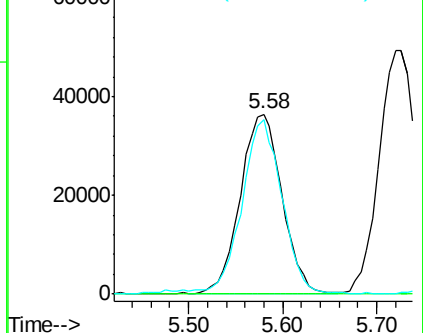
84 94.1 73.9 110.9

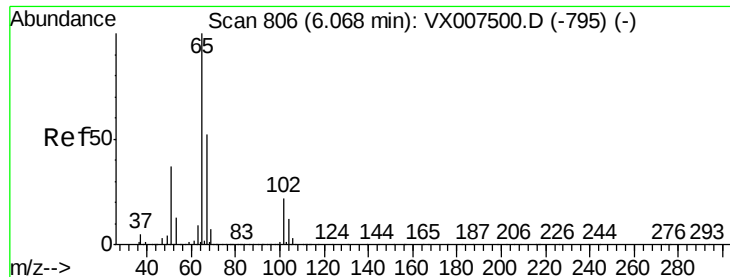


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 89.00 (88.70 to 89.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#27

1,2-Dichloroethane-d4

Concen: 30.709 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX007660.D

Acq: 22 Feb 2019 15:22

Instrument :

MSVOA_X

ClientSampleId :

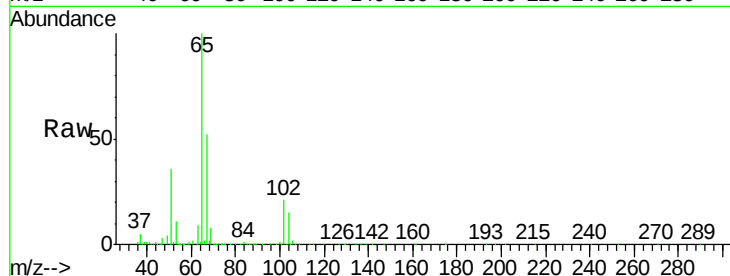
VSTDCCC020EC

Tot Ion: 65 Resp: 134518

Ion Ratio Lower Upper

65 100

67 53.4 42.9 64.3



Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

6.07

50000

40000

30000

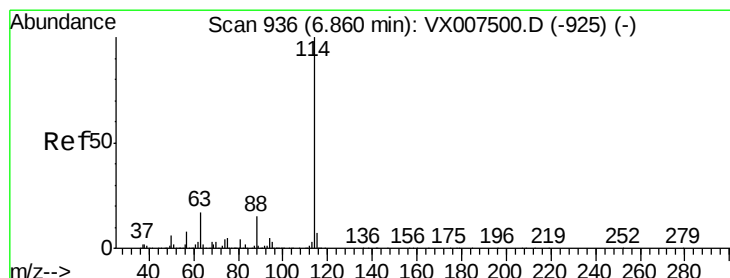
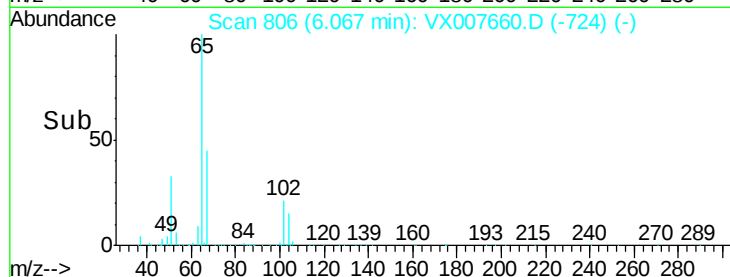
20000

10000

0

5.95 6.00 6.05 6.10 6.15

Time-->



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX007660.D

Acq: 22 Feb 2019 15:22

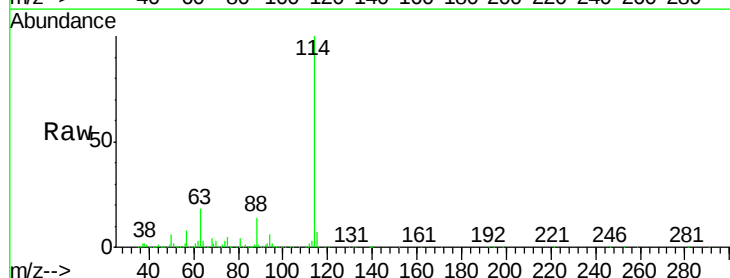
Tgt Ion: 114 Resp: 355629

Ion Ratio Lower Upper

114 100

63 18.1 14.2 21.4

88 14.5 11.9 17.9



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0

200000

150000

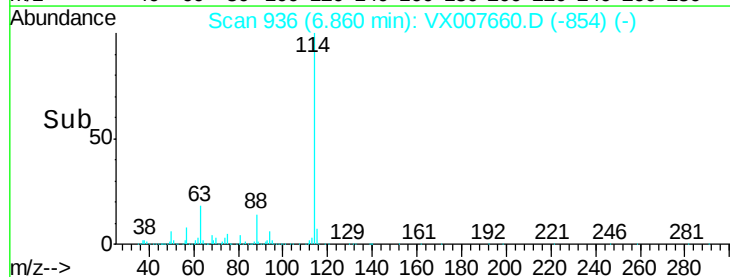
100000

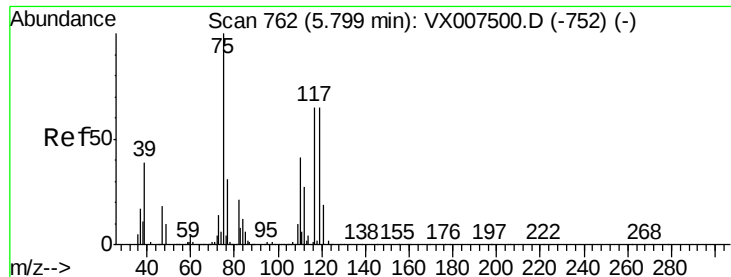
50000

0

6.75 6.80 6.85 6.90 6.95

Time-->

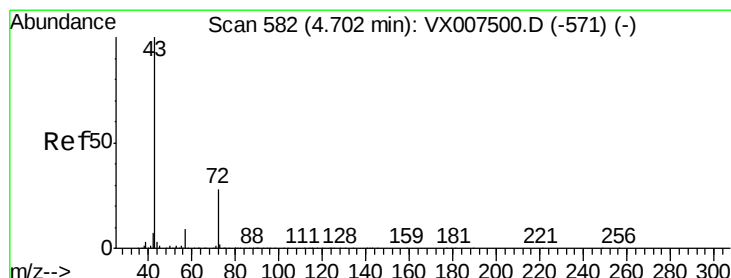
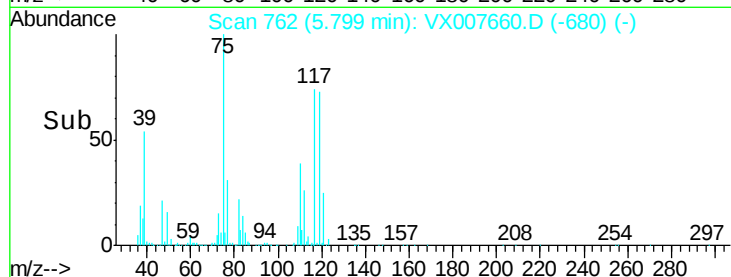
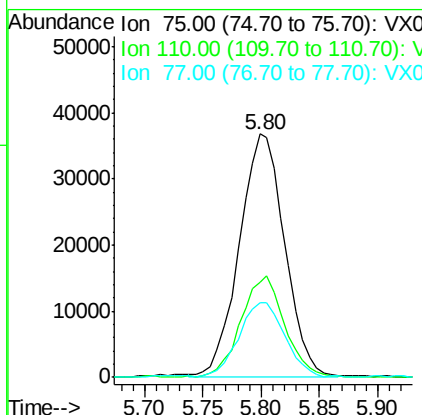
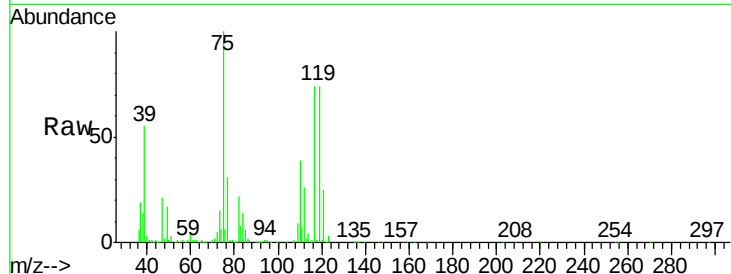




#29
 1,1-Dichloropropene
 Concen: 20.100 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: VX007660.D
 Acq: 22 Feb 2019 15:22

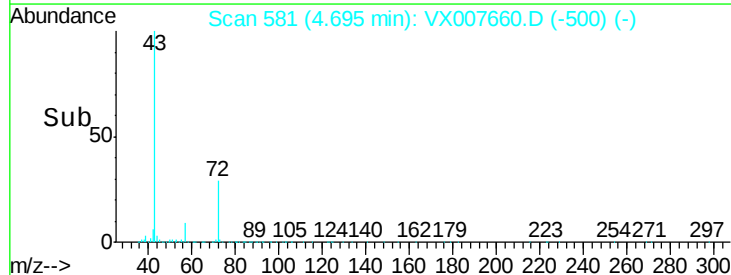
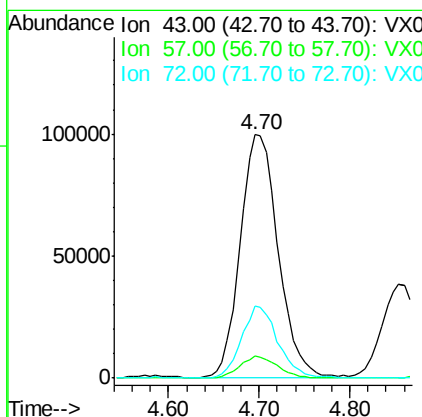
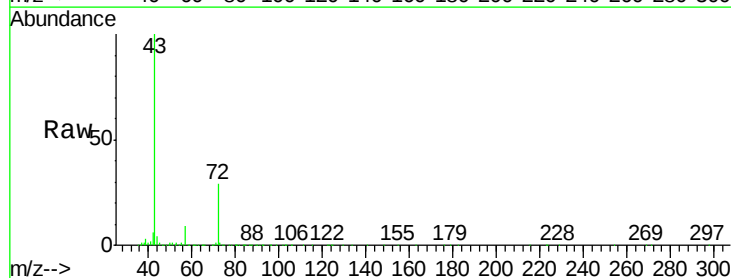
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

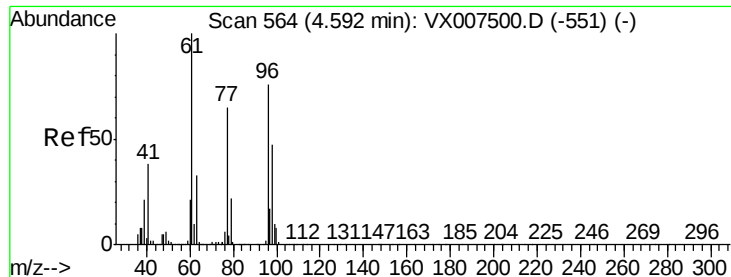
Tot Ion	Ratio	Lower	Upper
75	100		
110	40.3	0.0	80.8
77	30.7	0.0	62.4



#30
 2-Butanone
 Concen: 98.216 ug/l
 RT: 4.70 min Scan# 581
 Delta R.T. -0.01 min
 Lab File: VX007660.D
 Acq: 22 Feb 2019 15:22

Tgt Ion	Ratio	Lower	Upper
43	100		
57	9.1	7.0	10.6
72	27.9	21.5	32.3





#31

2,2-Dichloropropane

Concen: 23.014 ug/l

RT: 4.59 min Scan# 563

Delta R.T. -0.01 min

Lab File: VX007660.D

Acq: 22 Feb 2019 15:22

Instrument :

MSVOA_X

ClientSampleId :

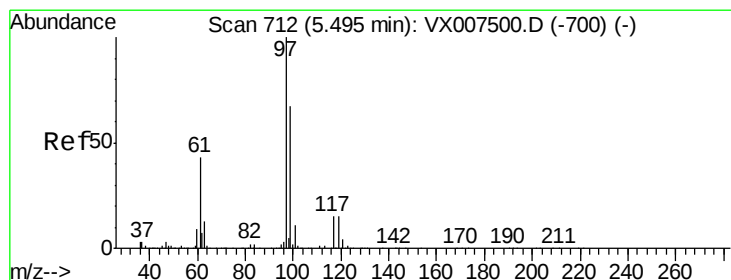
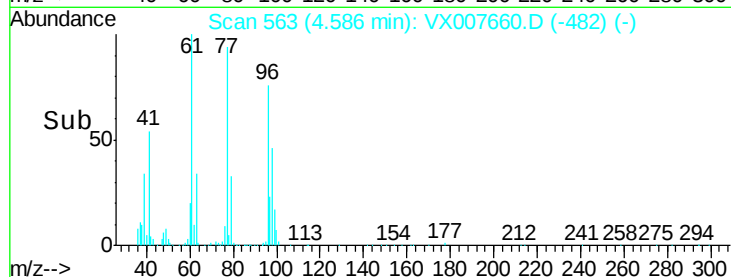
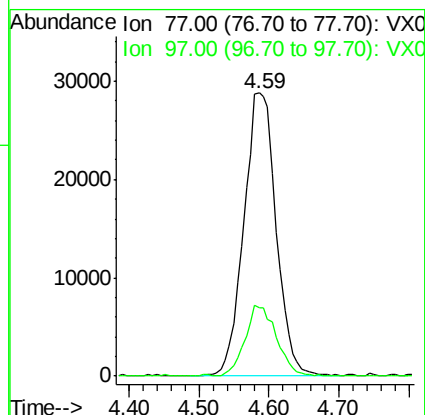
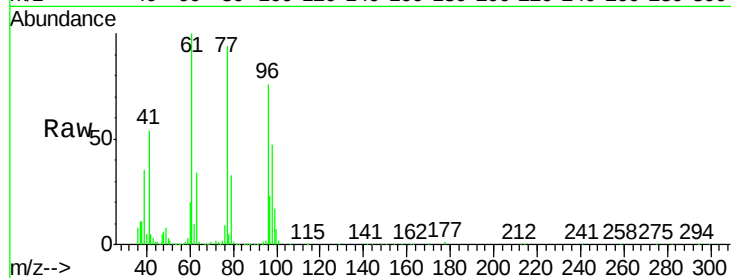
VSTDCCC020EC

Tot Ion: 77 Resp: 92755

Ion Ratio Lower Upper

77 100

97 24.2 20.6 31.0



#32

1,1,1-Trichloroethane

Concen: 20.486 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX007660.D

Acq: 22 Feb 2019 15:22

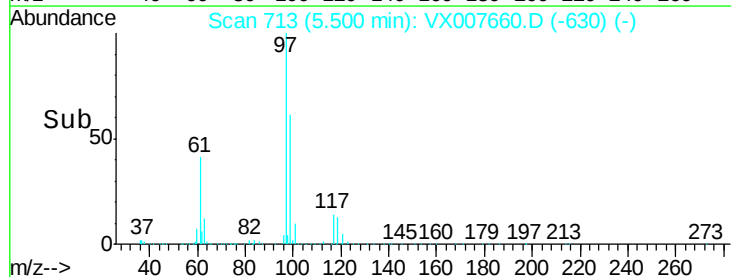
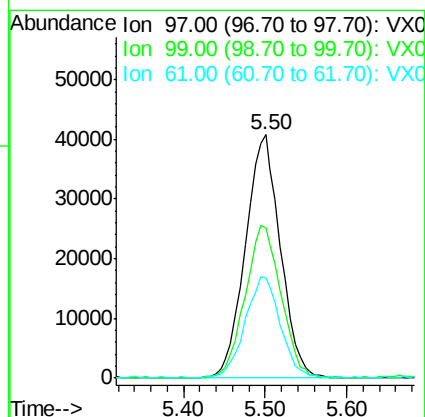
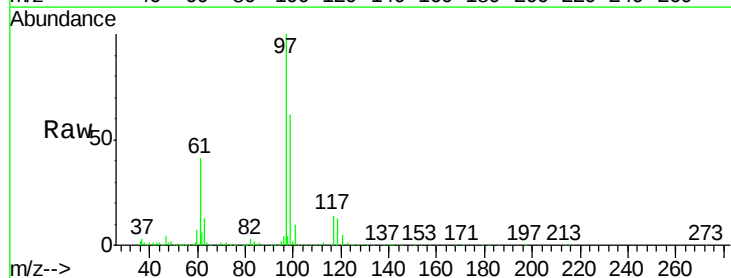
Tgt Ion: 97 Resp: 121468

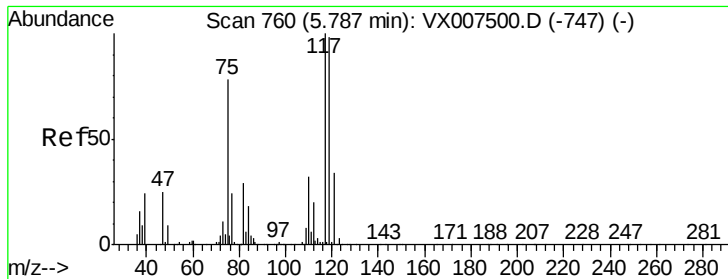
Ion Ratio Lower Upper

97 100

99 64.3 51.7 77.5

61 42.3 32.8 49.2





#33

Carbon Tetrachloride

Concen: 19.916 ug/l

RT: 5.79 min Scan# 760

Delta R.T. -0.00 min

Lab File: VX007660.D

Acq: 22 Feb 2019 15:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

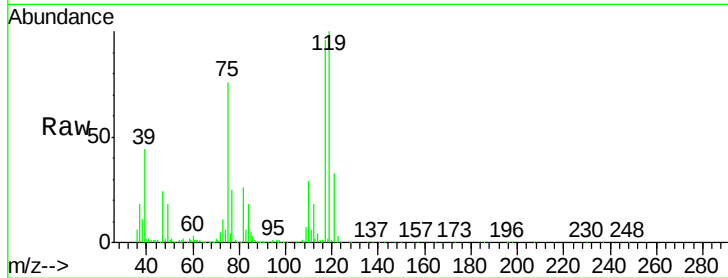
Tot Ion:117 Resp: 104386

Ion Ratio Lower Upper

117 100

119 104.2 78.1 117.1

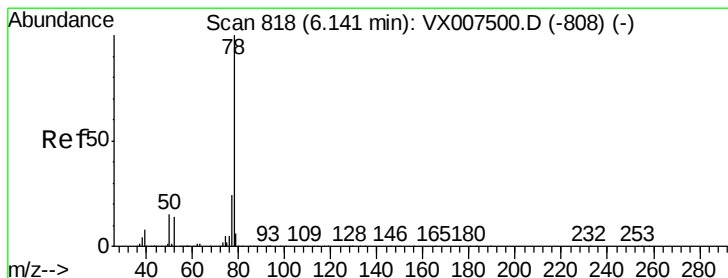
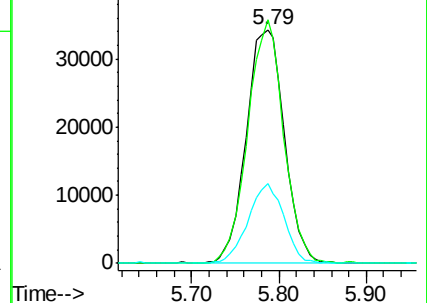
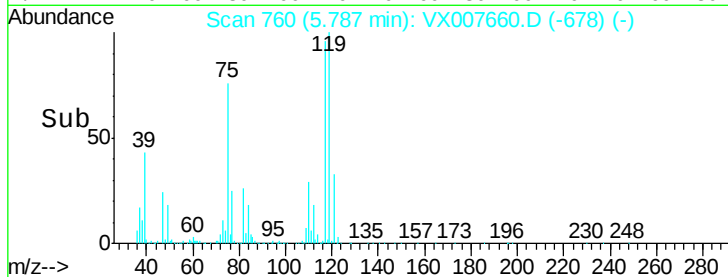
121 34.3 27.0 40.6



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: 19.985 ug/l

RT: 6.15 min Scan# 819

Delta R.T. 0.01 min

Lab File: VX007660.D

Acq: 22 Feb 2019 15:22

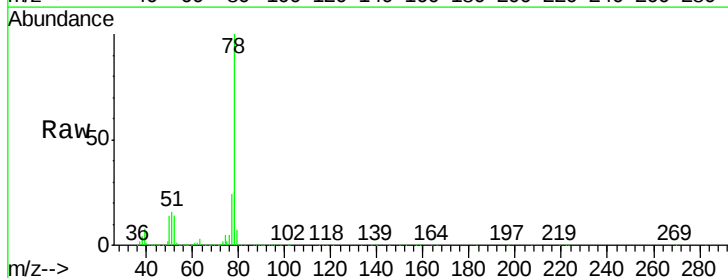
Tgt Ion: 78 Resp: 312538

Ion Ratio Lower Upper

78 100

77 24.3 19.1 28.7

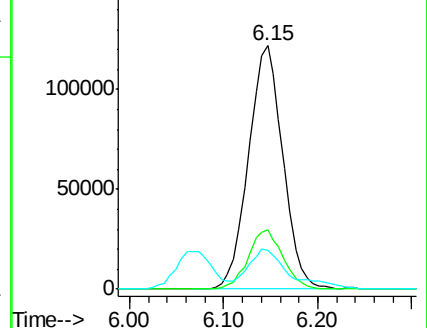
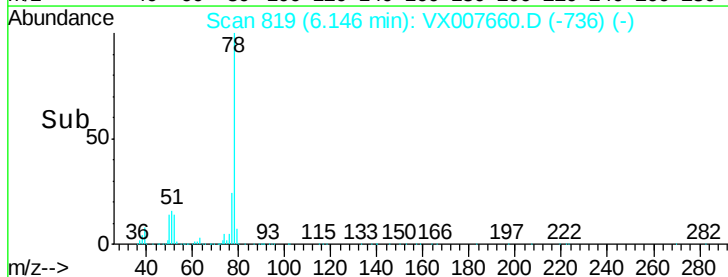
51 15.1 10.8 16.2

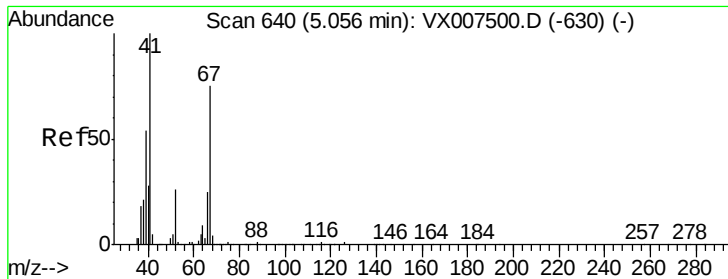


Abundance Ion 78.10 (77.80 to 78.80): VX0

Ion 77.00 (76.70 to 77.70): VX0

Ion 51.00 (50.70 to 51.70): VX0

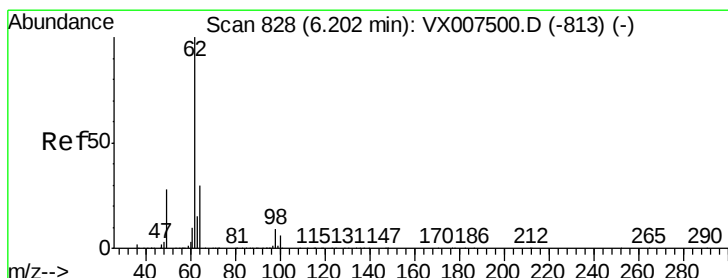
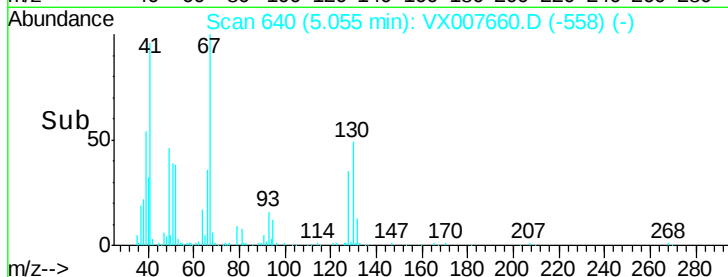
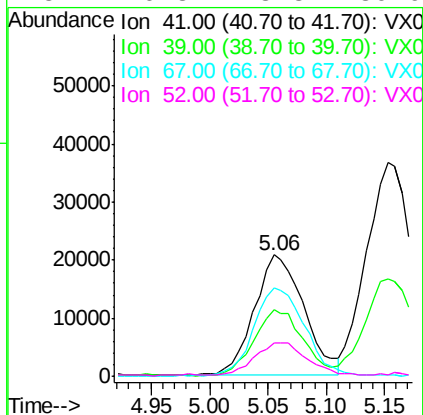
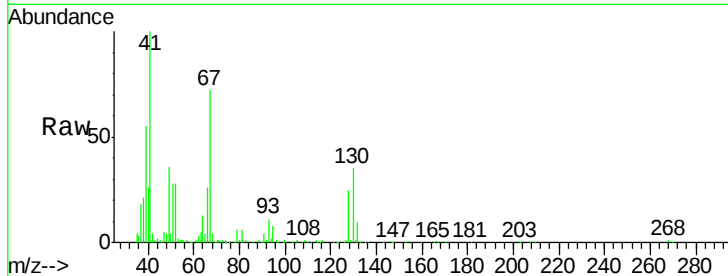




#35
Methacrylonitrile
Concen: 20.217 ug/l
RT: 5.06 min Scan# 640
Delta R.T. -0.00 min
Lab File: VX007660.D
Acq: 22 Feb 2019 15:22

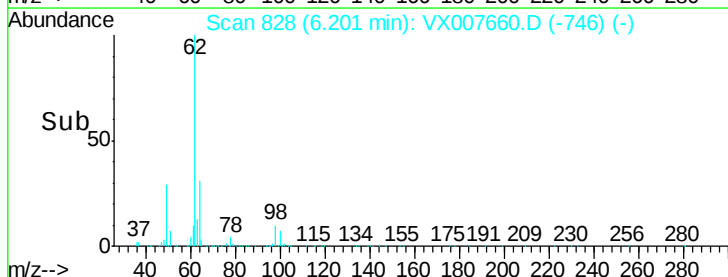
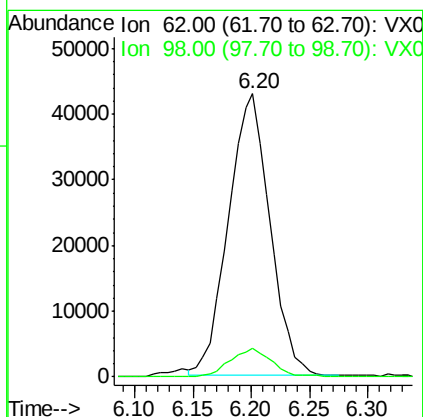
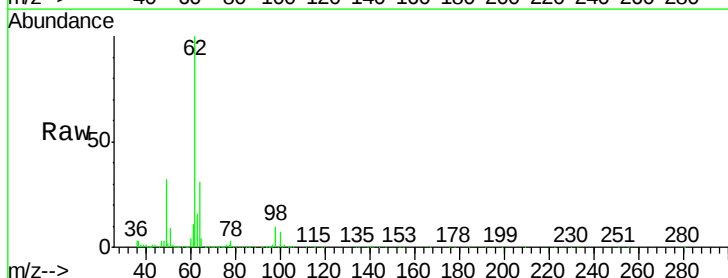
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

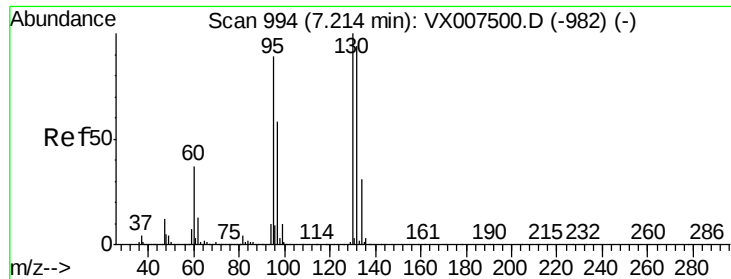
Tot Ion:	41	Resp:	61710
Ion	Ratio	Lower	Upper
41	100		
39	54.5	27.4	82.0
67	73.0	37.9	113.6
52	26.3	13.3	39.9



#36
1,2-Dichloroethane
Concen: 20.035 ug/l
RT: 6.20 min Scan# 828
Delta R.T. -0.00 min
Lab File: VX007660.D
Acq: 22 Feb 2019 15:22

Tgt Ion:	62	Resp:	106623
Ion	Ratio	Lower	Upper
62	100		
98	10.0	7.8	11.8





#37

Trichloroethene

Concen: 20.032 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX007660.D

Acq: 22 Feb 2019 15:22

Instrument :

MSVOA_X

ClientSampleId :

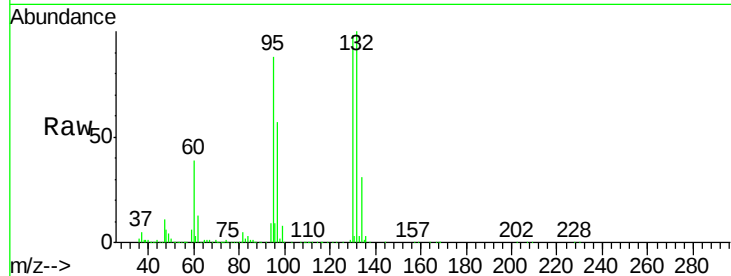
VSTDCCC020EC

Tot Ion:130 Resp: 90066

Ion Ratio Lower Upper

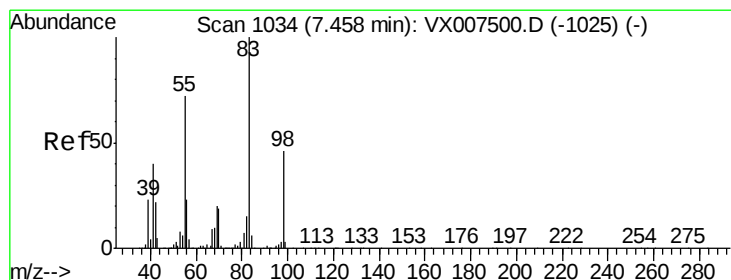
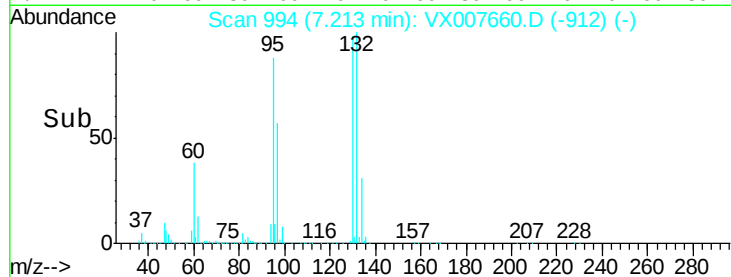
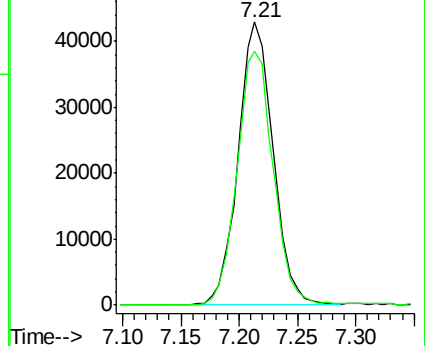
130 100

95 89.4 71.3 106.9



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VX0



#38

Methylcyclohexane

Concen: 20.383 ug/l

RT: 7.46 min Scan# 1035

Delta R.T. 0.01 min

Lab File: VX007660.D

Acq: 22 Feb 2019 15:22

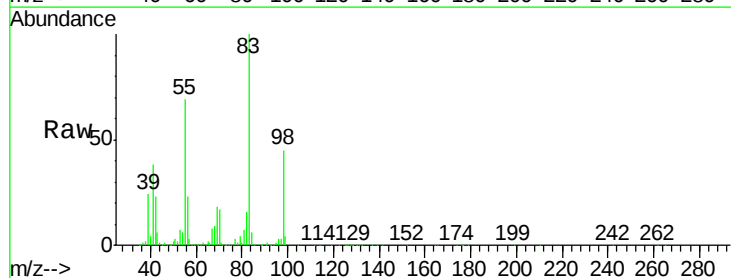
Tgt Ion: 83 Resp: 117049

Ion Ratio Lower Upper

83 100

55 73.2 36.0 108.0

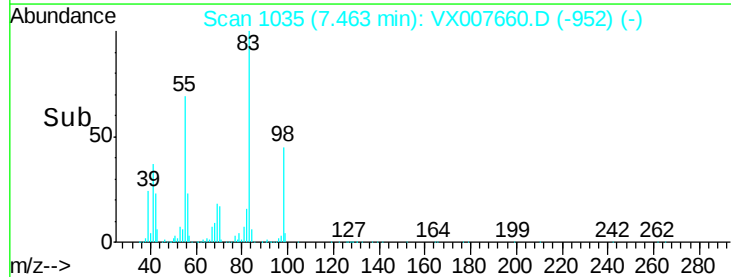
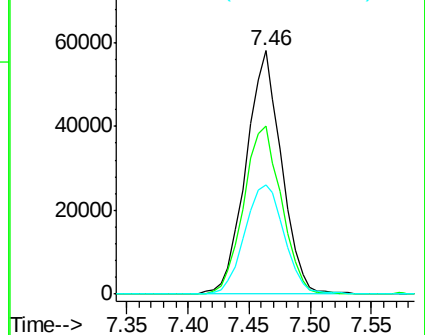
98 50.1 23.8 71.4

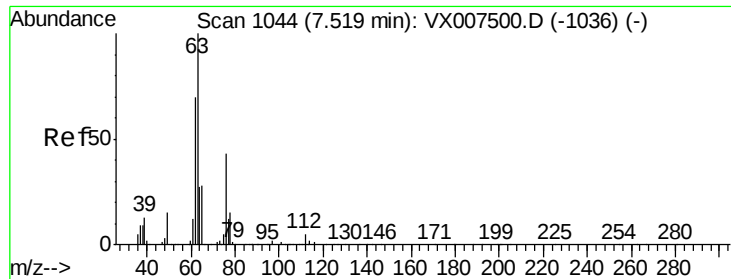


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

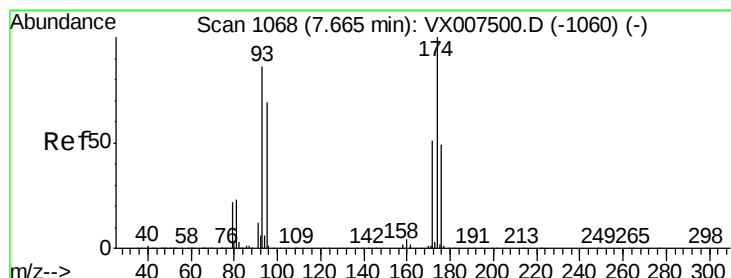
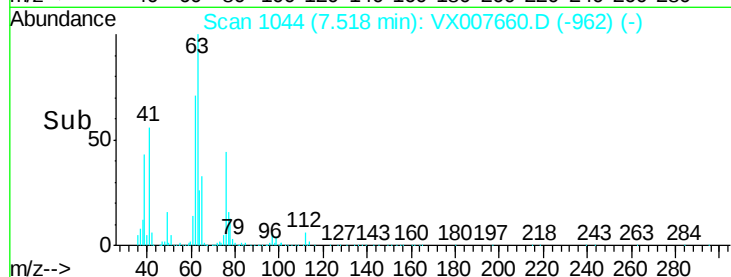
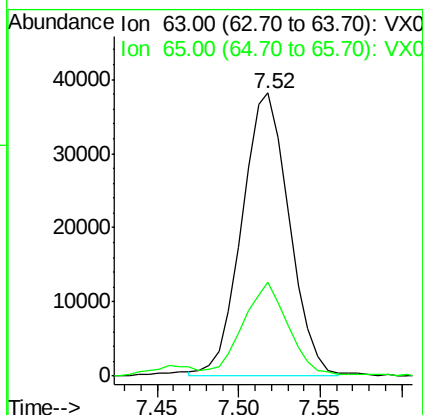
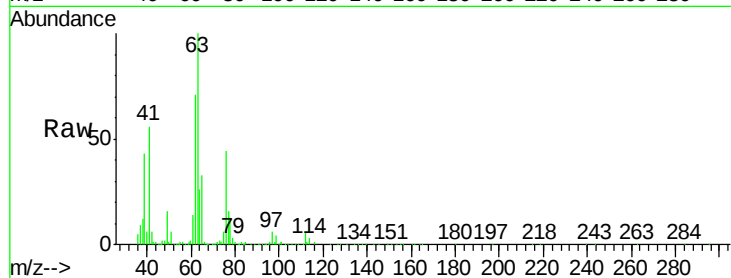




#39
 1,2-Dichloropropane
 Concen: 19.799 ug/l
 RT: 7.52 min Scan# 1044
 Delta R.T. -0.00 min
 Lab File: VX007660.D
 Acq: 22 Feb 2019 15:22

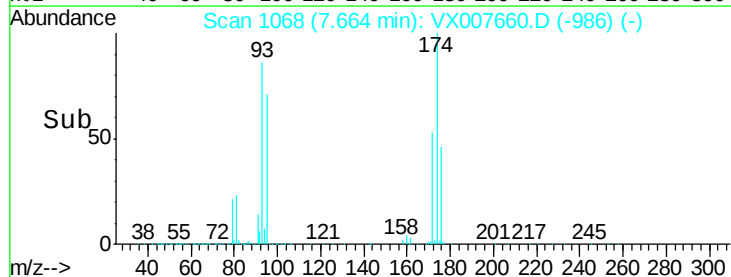
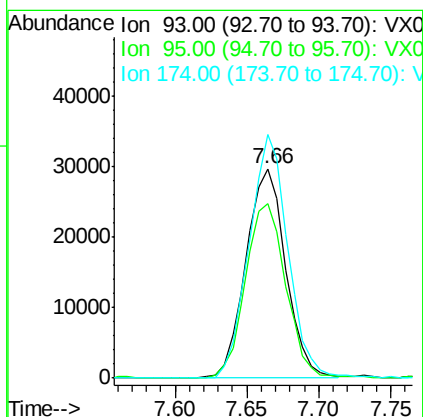
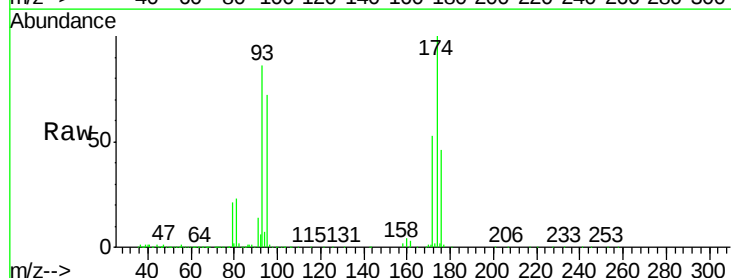
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

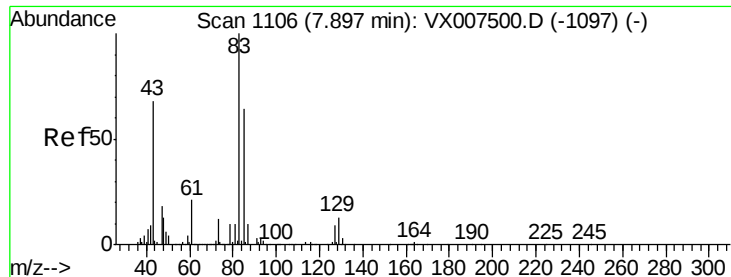
Tot Ion: 63 Resp: 77014
 Ion Ratio Lower Upper
 63 100
 65 32.9 24.6 37.0



#40
 Dibromomethane
 Concen: 20.252 ug/l
 RT: 7.66 min Scan# 1068
 Delta R.T. -0.00 min
 Lab File: VX007660.D
 Acq: 22 Feb 2019 15:22

Tgt Ion: 93 Resp: 56894
 Ion Ratio Lower Upper
 93 100
 95 85.0 0.0 158.8
 174 113.2 0.0 224.2





#41

Bromodichloromethane

Concen: 20.043 ug/l

RT: 7.90 min Scan# 1107

Delta R.T. 0.01 min

Lab File: VX007660.D

Acq: 22 Feb 2019 15:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

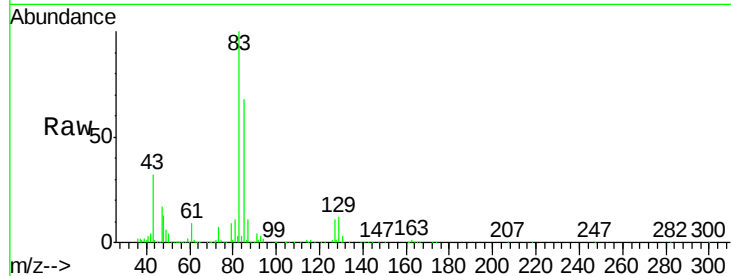
Tot Ion: 83 Resp: 99924

Ion Ratio Lower Upper

83 100

85 67.3 51.1 76.7

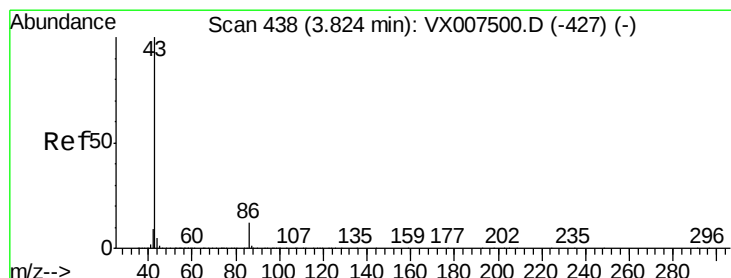
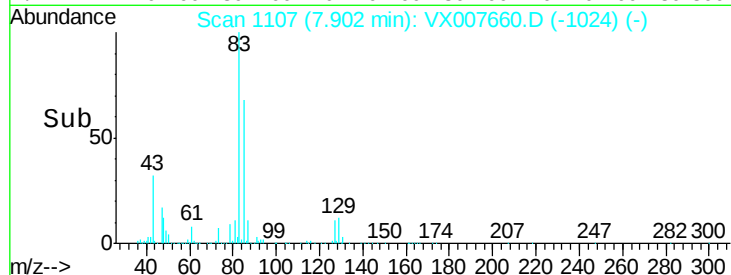
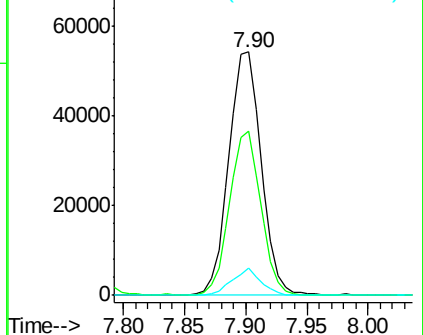
127 11.1 7.2 10.8#



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: 101.062 ug/l

RT: 3.82 min Scan# 438

Delta R.T. -0.00 min

Lab File: VX007660.D

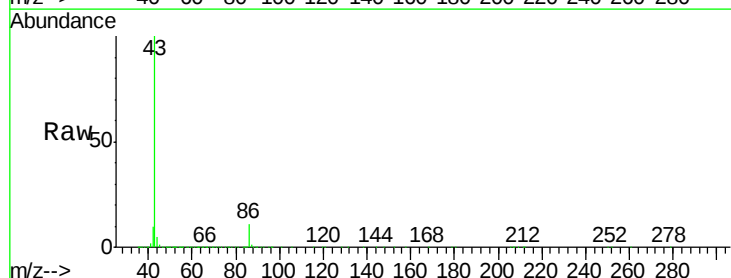
Acq: 22 Feb 2019 15:22

Tgt Ion: 43 Resp: 1038478

Ion Ratio Lower Upper

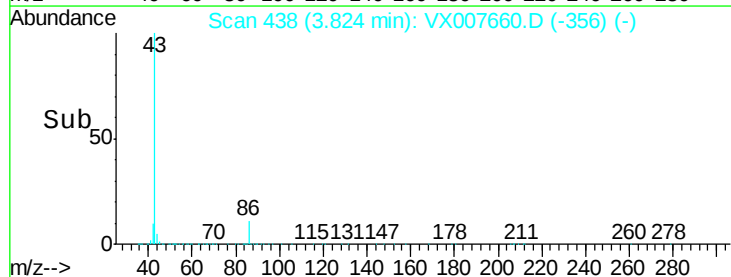
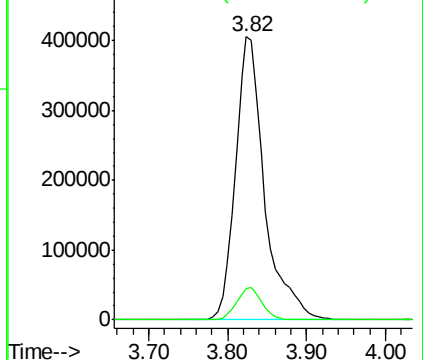
43 100

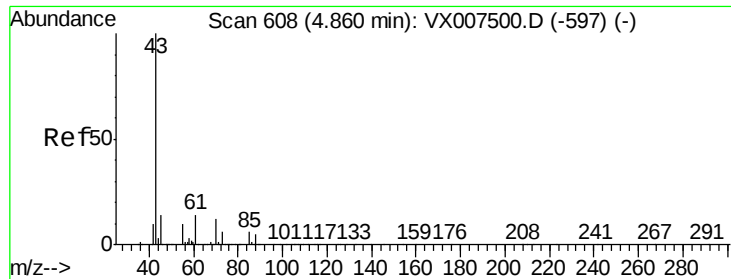
86 10.0 8.2 12.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

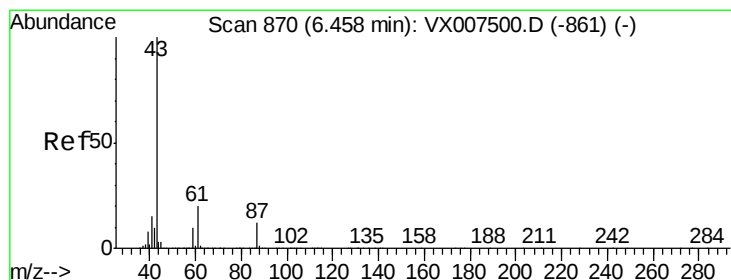
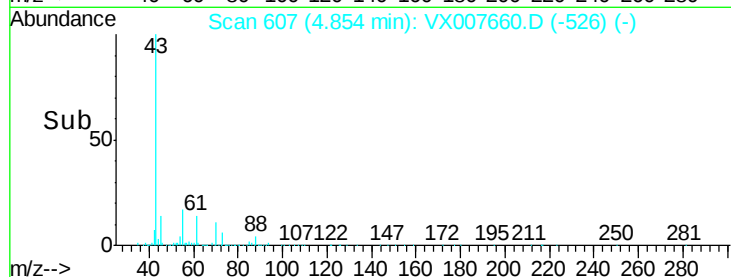
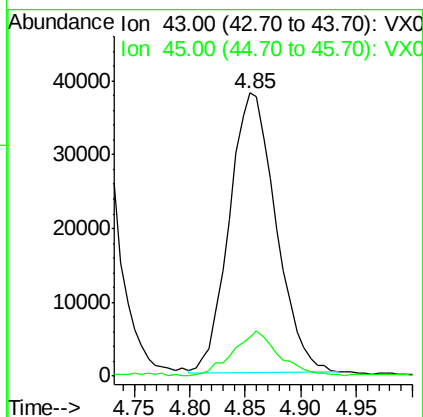
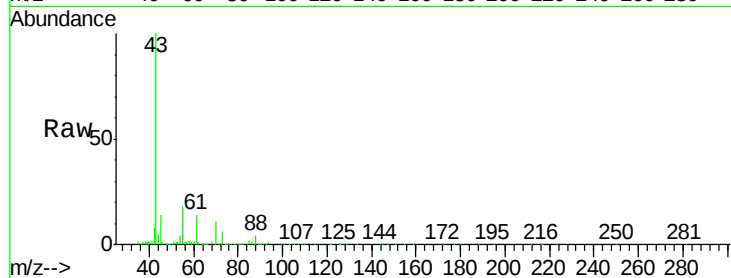




#43
Ethyl Acetate
Concen: 19.687 ug/l
RT: 4.85 min Scan# 607
Delta R.T. -0.01 min
Lab File: VX007660.D
Acq: 22 Feb 2019 15:22

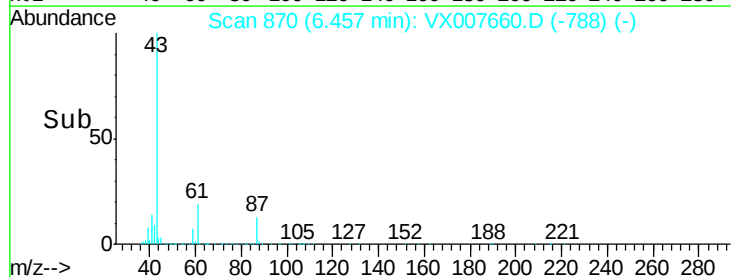
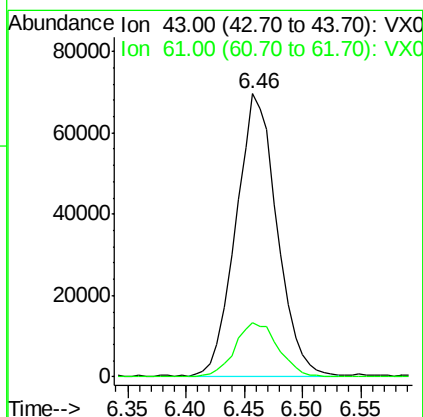
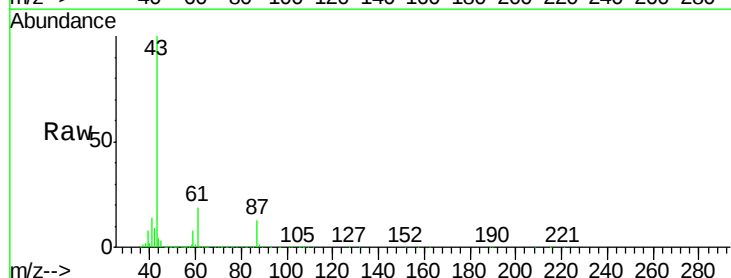
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

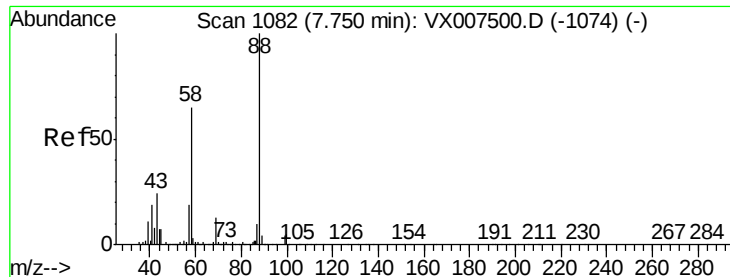
Tot Ion: 43 Resp: 110677
Ion Ratio Lower Upper
43 100
45 15.5 6.9 10.3#



#44
Isopropyl Acetate
Concen: 19.554 ug/l
RT: 6.46 min Scan# 870
Delta R.T. -0.00 min
Lab File: VX007660.D
Acq: 22 Feb 2019 15:22

Tgt Ion: 43 Resp: 169730
Ion Ratio Lower Upper
43 100
61 20.2 16.1 24.1





#45

1,4-Dioxane

Concen: 351.706 ug/l

RT: 7.75 min Scan# 1082

Delta R.T. -0.00 min

Lab File: VX007660.D

Acq: 22 Feb 2019 15:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

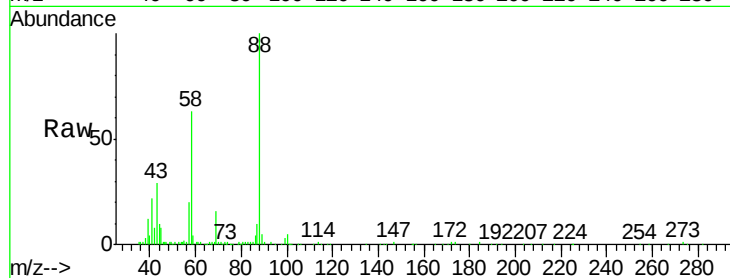
Tot Ion: 88 Resp: 36029

Ion Ratio Lower Upper

88 100

43 28.9 23.6 35.4

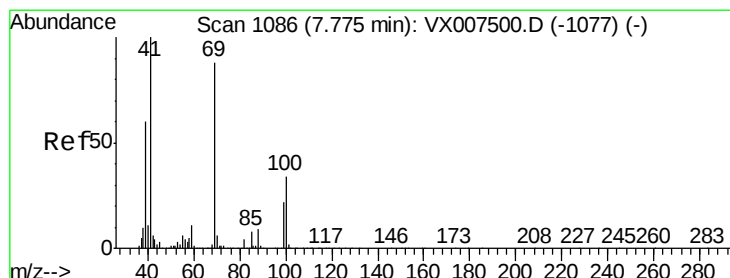
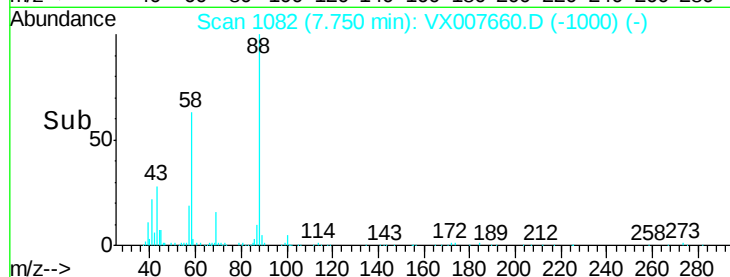
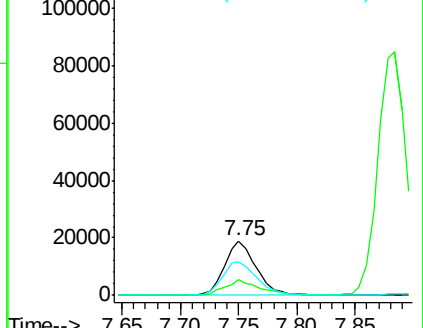
58 64.9 51.6 77.4



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: 19.451 ug/l

RT: 7.77 min Scan# 1086

Delta R.T. -0.00 min

Lab File: VX007660.D

Acq: 22 Feb 2019 15:22

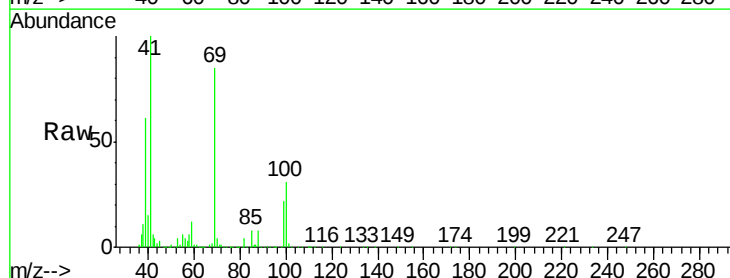
Tgt Ion: 41 Resp: 85497

Ion Ratio Lower Upper

41 100

69 84.8 44.2 132.6

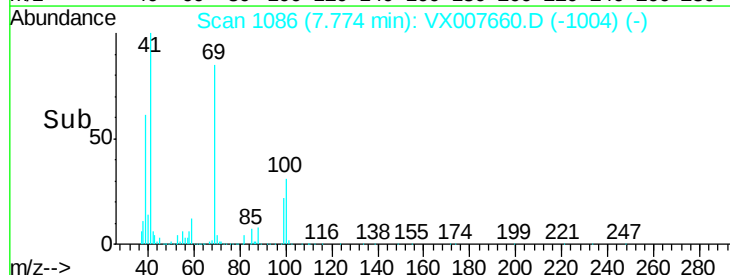
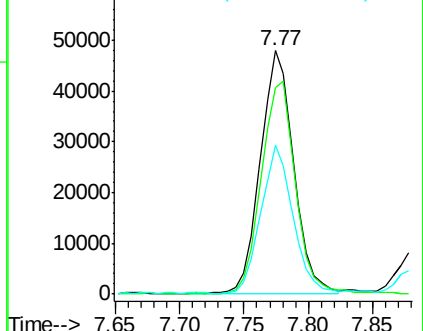
39 60.7 29.9 89.8

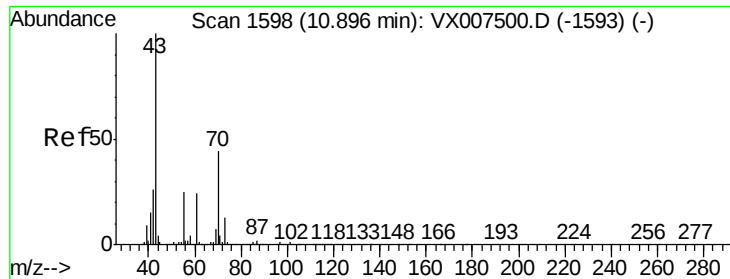


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#47

n-amvl Acetate

Concen: 20.239 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX007660.D

Acq: 22 Feb 2019 15:22

Instrument :

MSVOA_X

ClientSampleId :

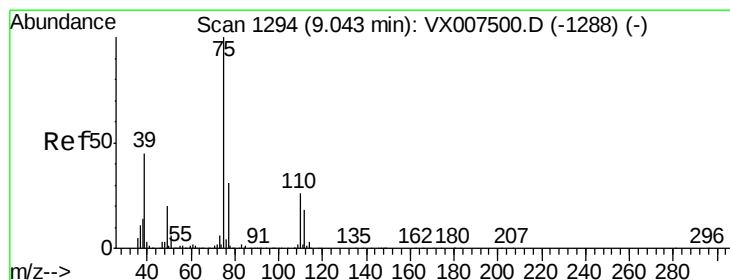
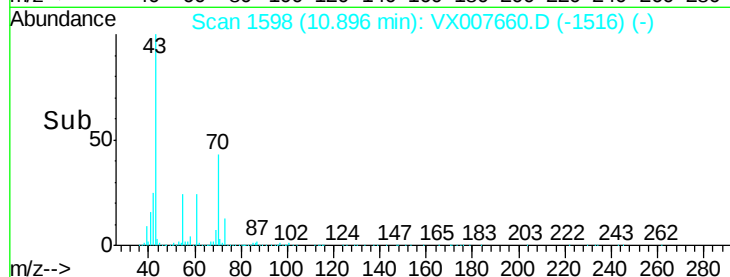
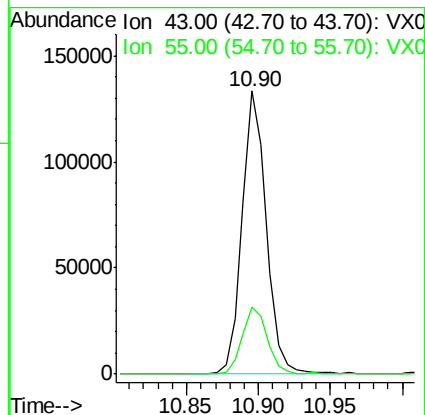
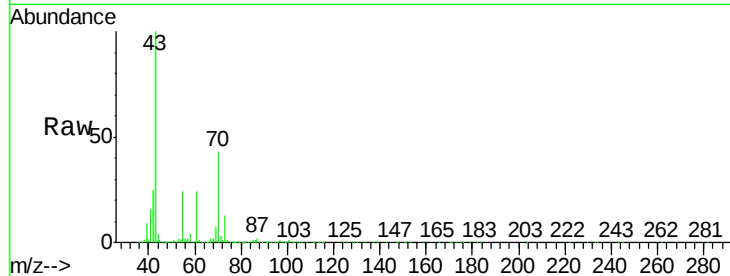
VSTDCCC020EC

Tot Ion: 43 Resp: 154840

Ion Ratio Lower Upper

43 100

55 24.5 20.8 31.2



#48

t-1,3-Dichloropropene

Concen: 19.973 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX007660.D

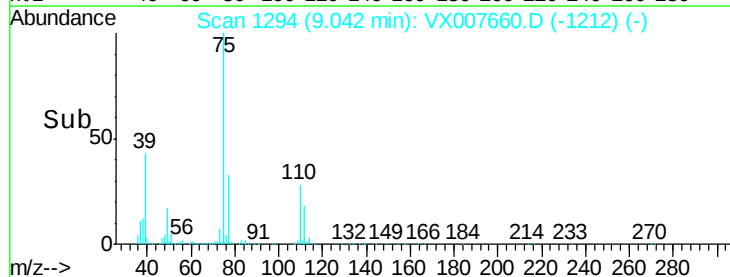
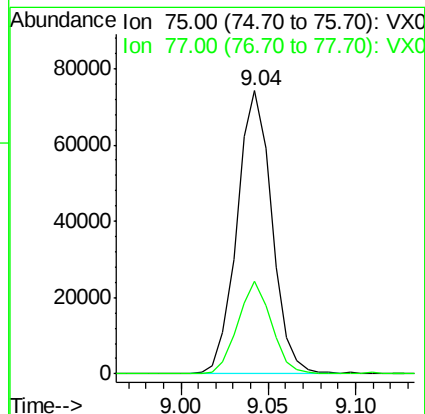
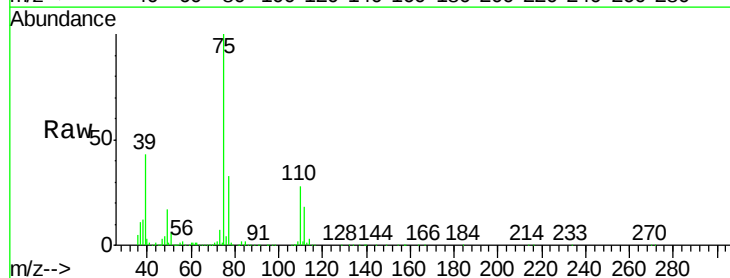
Acq: 22 Feb 2019 15:22

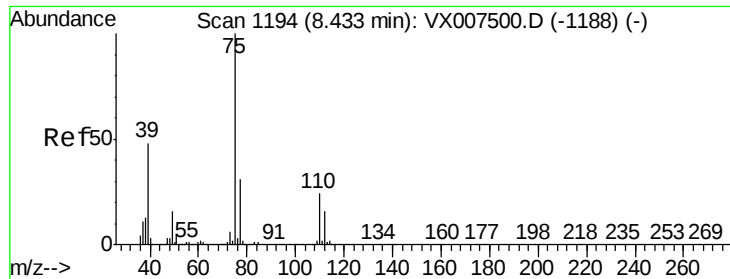
Tgt Ion: 75 Resp: 102791

Ion Ratio Lower Upper

75 100

77 32.3 24.5 36.7



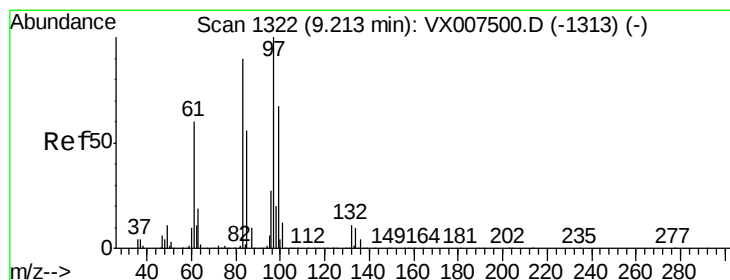
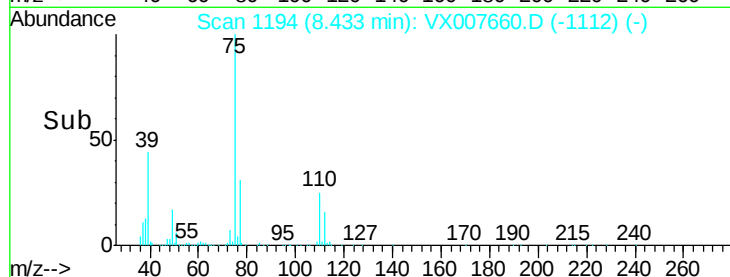
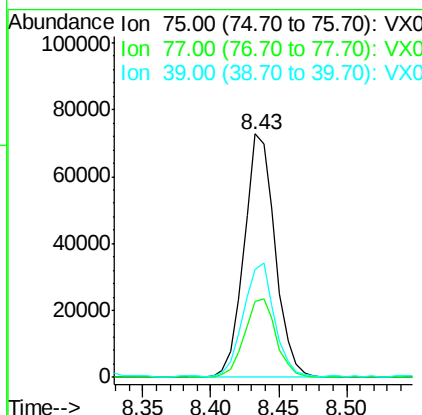
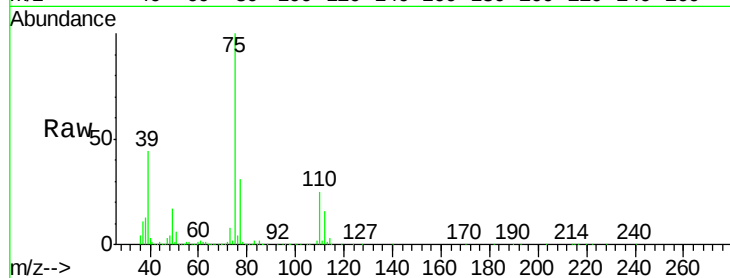


#49

cis-1,3-Dichloropropene
 Concen: 20.221 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. -0.00 min
 Lab File: VX007660.D
 Acq: 22 Feb 2019 15:22

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

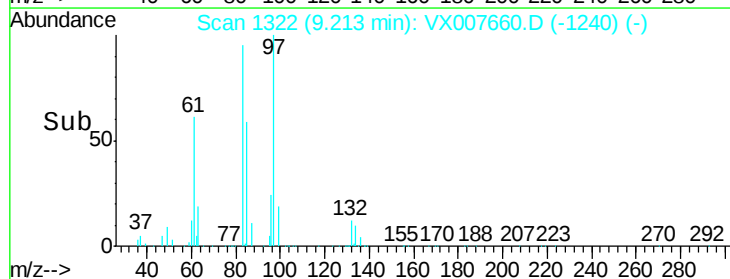
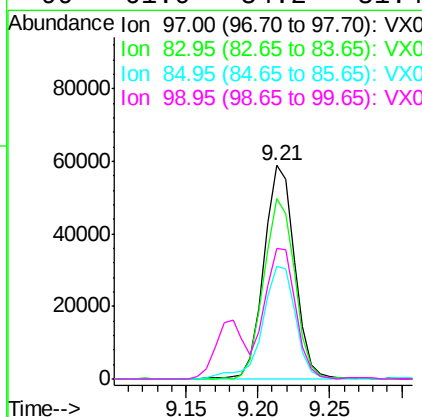
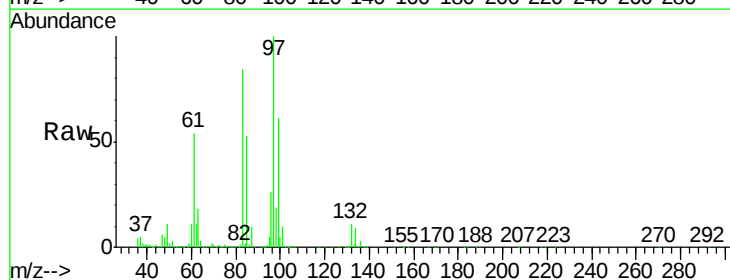
Tot Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.0	37.4
39	44.0	38.5	57.7

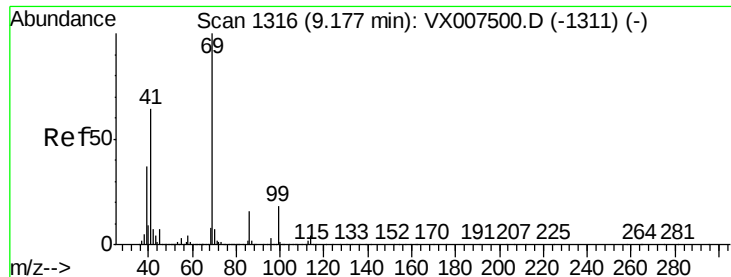


#50

1,1,2-Trichloroethane
 Concen: 21.097 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX007660.D
 Acq: 22 Feb 2019 15:22

Tgt Ion	Ratio	Lower	Upper
97	100		
83	84.3	72.0	108.0
85	52.4	45.0	67.6
99	61.0	54.2	81.4





#51

Ethyl methacrylate

Concen: 19.425 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VX007660.D

Acq: 22 Feb 2019 15:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

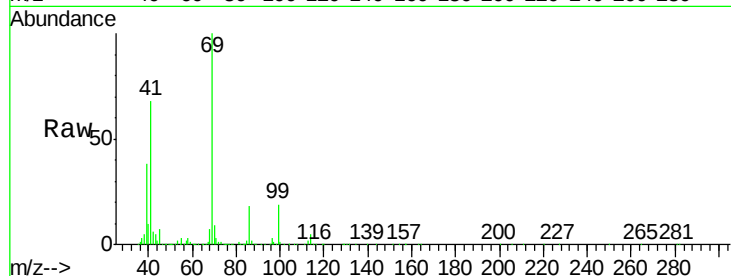
Tot Ion: 69 Resp: 115354

Ion Ratio Lower Upper

69 100

41 68.1 32.1 96.5

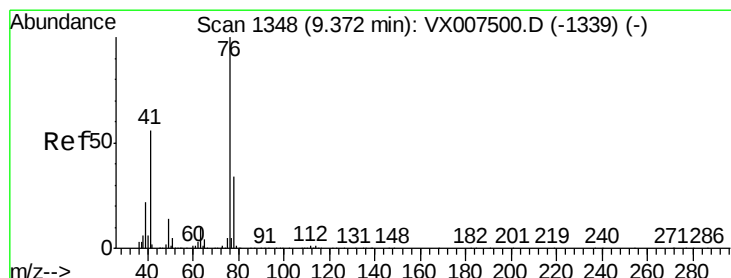
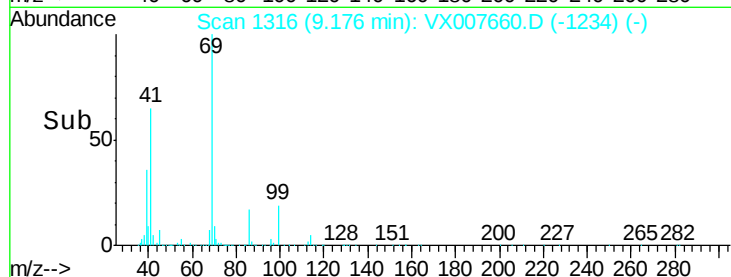
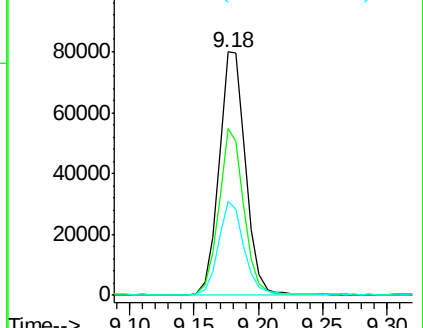
39 38.1 18.8 56.3



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: 20.860 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX007660.D

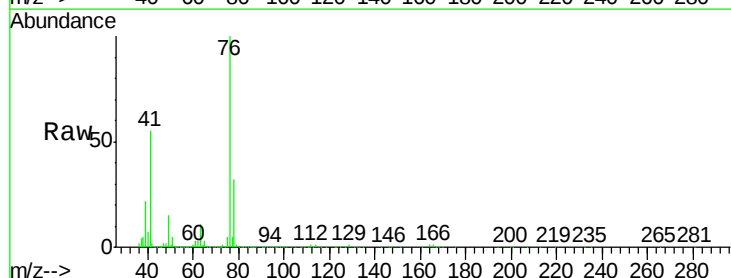
Acq: 22 Feb 2019 15:22

Tgt Ion: 76 Resp: 137825

Ion Ratio Lower Upper

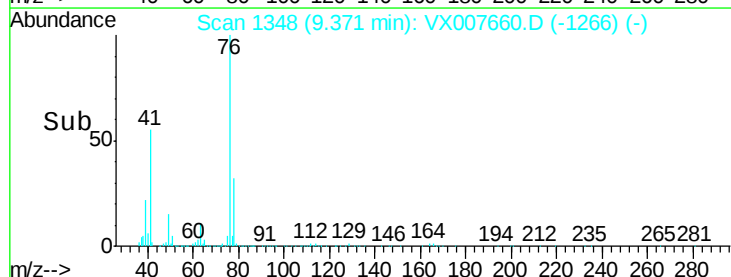
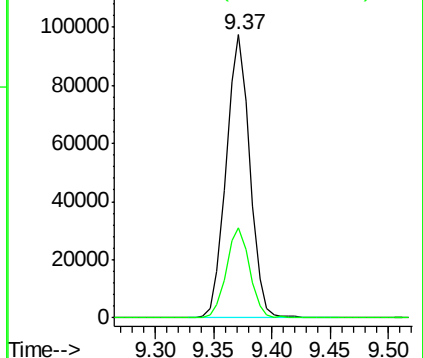
76 100

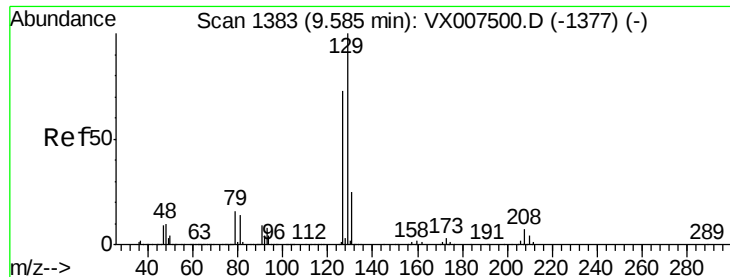
78 31.5 0.0 65.2



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0





#53

Dibromochloromethane

Concen: 19.769 ug/l

RT: 9.58 min Scan# 1383

Delta R.T. -0.00 min

Lab File: VX007660.D

Acq: 22 Feb 2019 15:22

Instrument :

MSVOA_X

ClientSampleId :

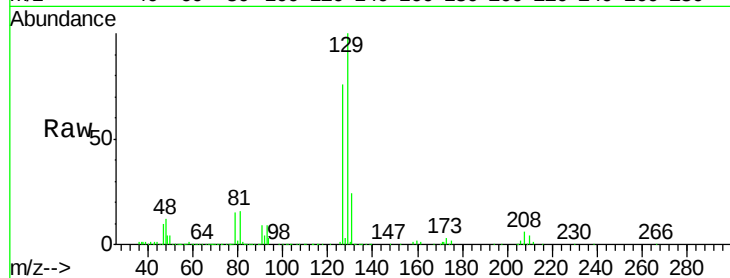
VSTDCCC020EC

Tot Ion:129 Resp: 84222

Ion Ratio Lower Upper

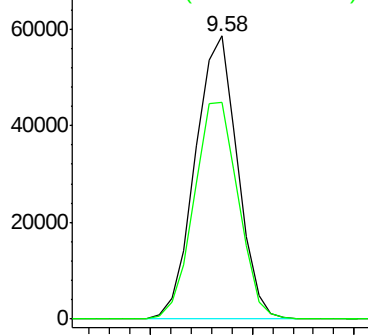
129 100

127 80.0 38.4 115.2

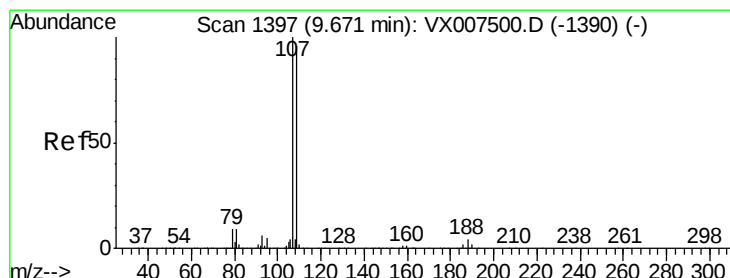
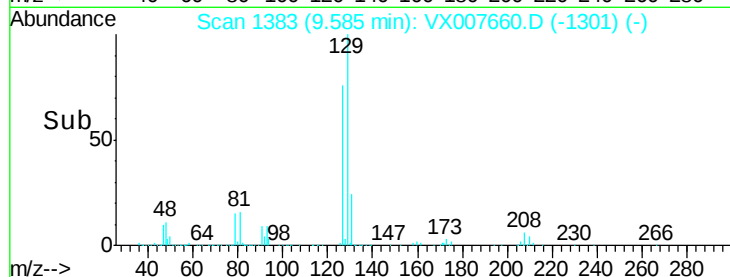


Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



Time-->



#54

1,2-Dibromoethane

Concen: 20.601 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX007660.D

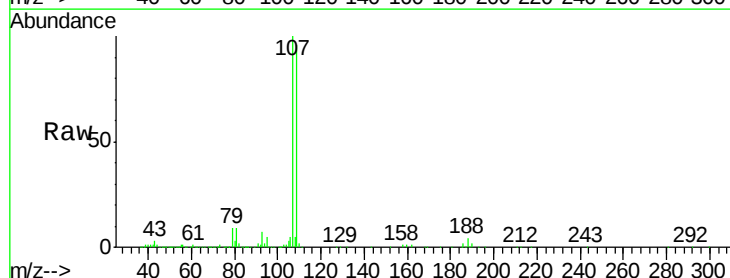
Acq: 22 Feb 2019 15:22

Tgt Ion:107 Resp: 92403

Ion Ratio Lower Upper

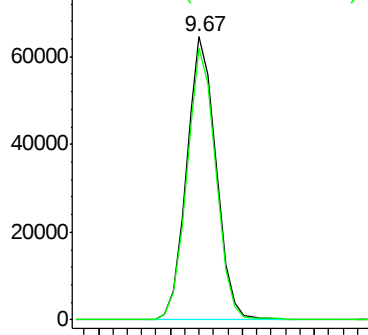
107 100

109 94.2 76.6 115.0

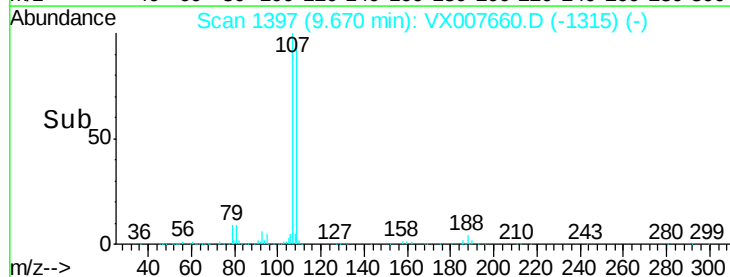


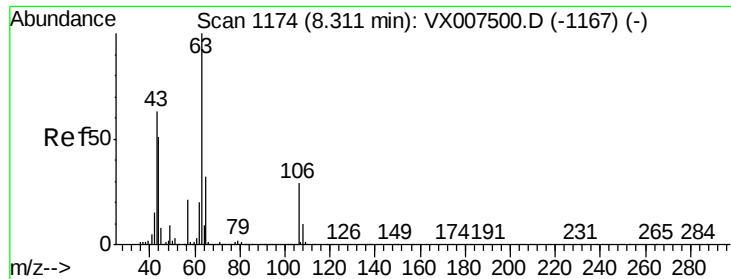
Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



Time-->





#55

2-Chloroethyl vinyl ether

Concen: 101.843 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX007660.D

Acq: 22 Feb 2019 15:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

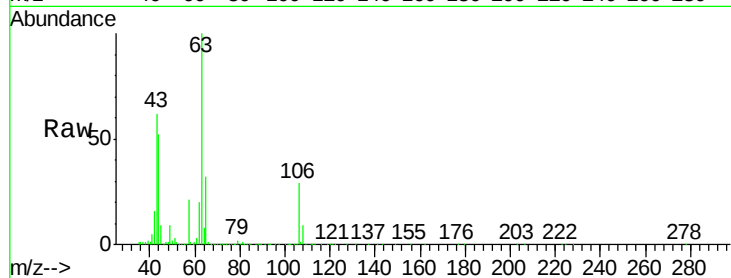
Tot Ion: 63 Resp: 307480

Ion Ratio Lower Upper

63 100

65 32.4 25.7 38.5

106 29.9 23.7 35.5



Abundance Ion 63.00 (62.70 to 63.70): VX007500.D (-1167) (-)

Ion 65.00 (64.70 to 65.70): VX007500.D (-1167) (-)

Ion 106.00 (105.70 to 106.70): VX007500.D (-1167) (-)

8.31

200000

150000

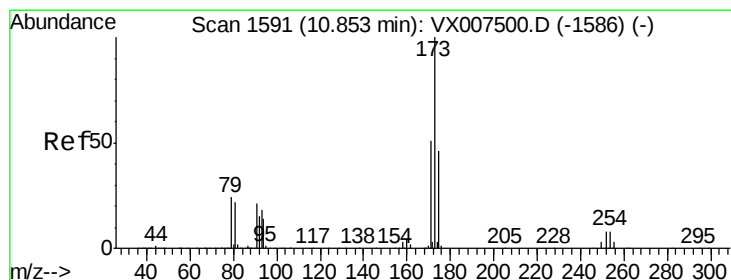
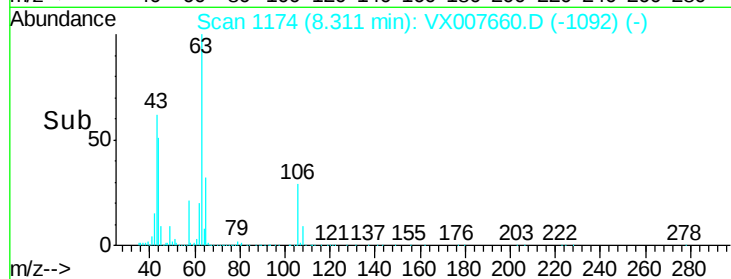
100000

50000

0

8.25 8.30 8.35 8.40

Time-->



#56

Bromoform

Concen: 19.158 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.00 min

Lab File: VX007660.D

Acq: 22 Feb 2019 15:22

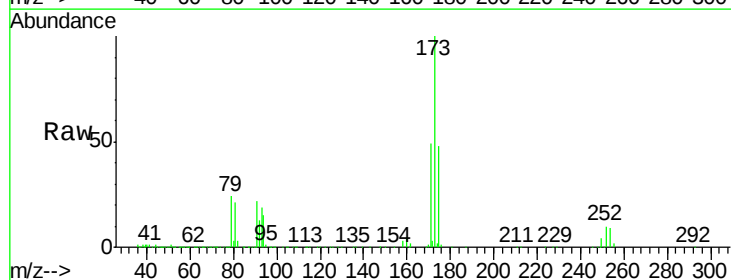
Tgt Ion: 173 Resp: 61567

Ion Ratio Lower Upper

173 100

175 49.1 38.5 57.7

254 9.7 7.4 11.2



Abundance Ion 173.00 (172.70 to 173.70): VX007500.D (-1586) (-)

Ion 175.00 (174.70 to 175.70): VX007500.D (-1586) (-)

Ion 254.00 (253.70 to 254.70): VX007500.D (-1586) (-)

10.85

60000

50000

40000

30000

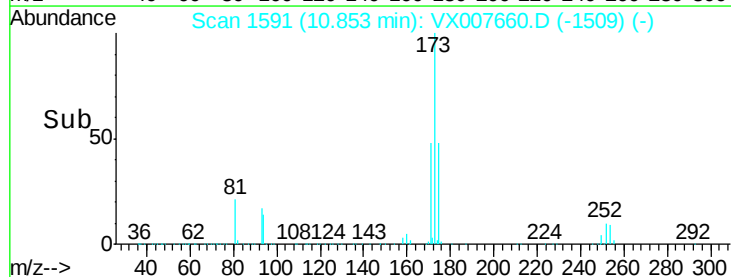
20000

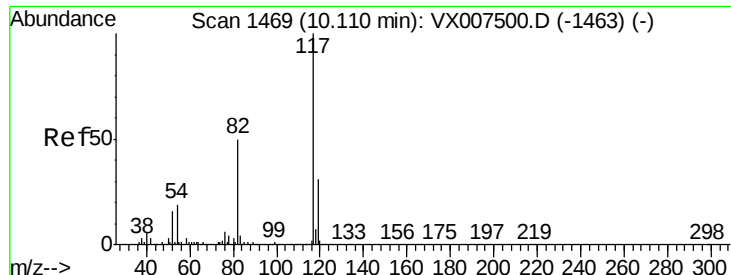
10000

0

10.80 10.85 10.90

Time-->

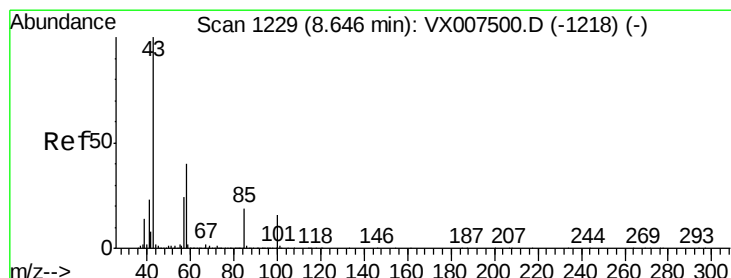
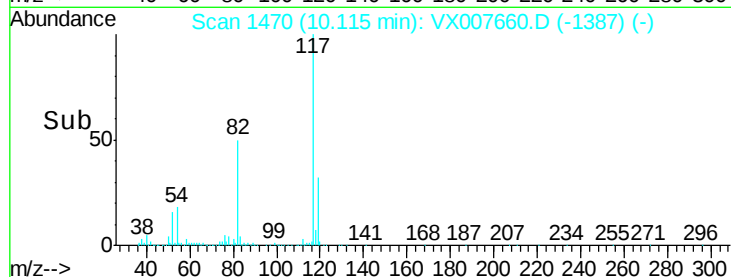
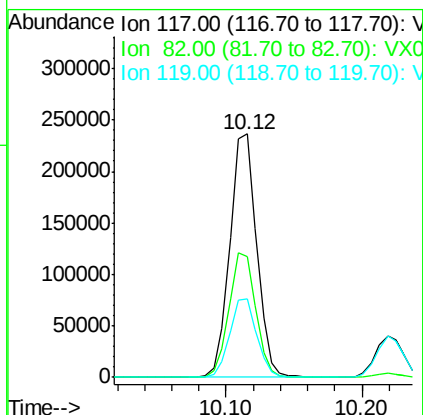
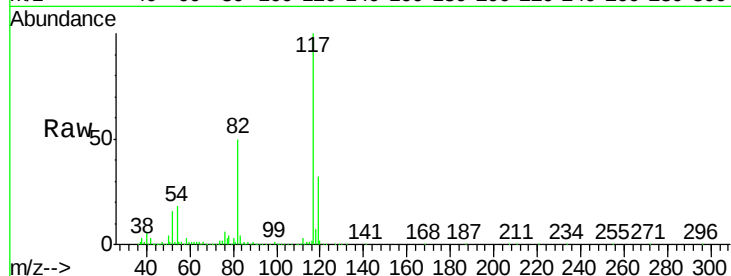




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX007660.D
Acq: 22 Feb 2019 15:22

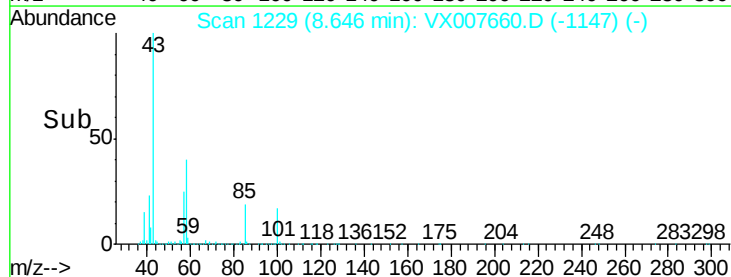
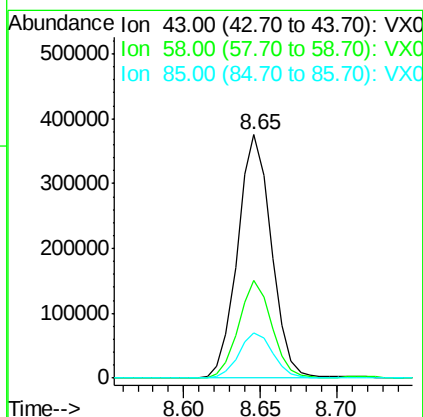
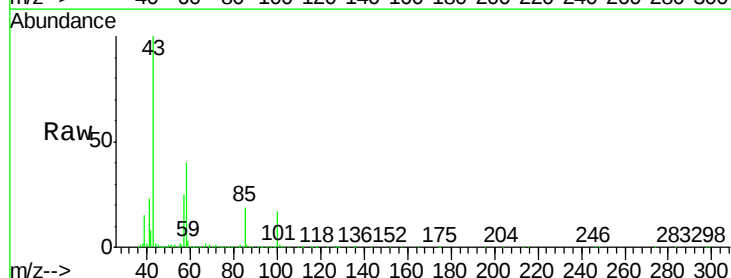
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

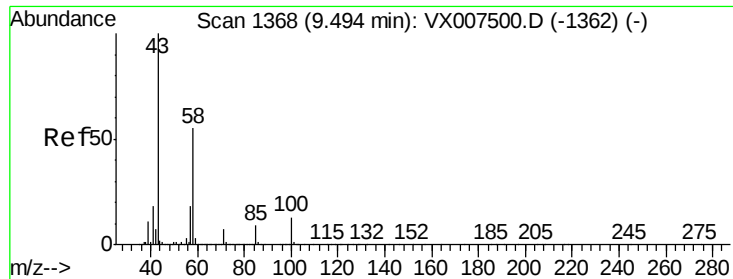
Tot Ion	Ratio	Lower	Upper
117	100		
82	51.3	40.4	60.6
119	32.5	25.8	38.6



#58
4-Methyl-2-Pentanone
Concen: 98.527 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. -0.00 min
Lab File: VX007660.D
Acq: 22 Feb 2019 15:22

Tgt Ion	Ratio	Lower	Upper
43	100		
58	39.3	31.4	47.0
85	18.8	15.0	22.6

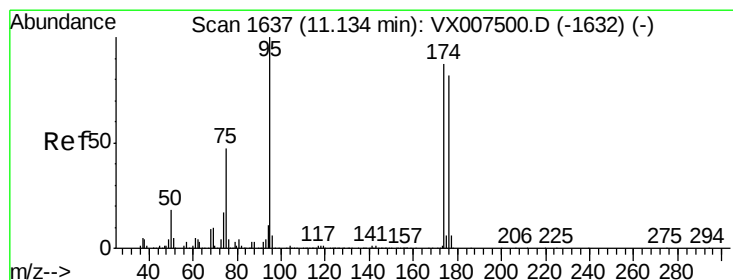
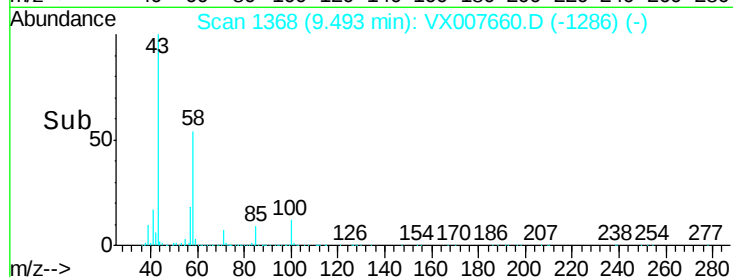
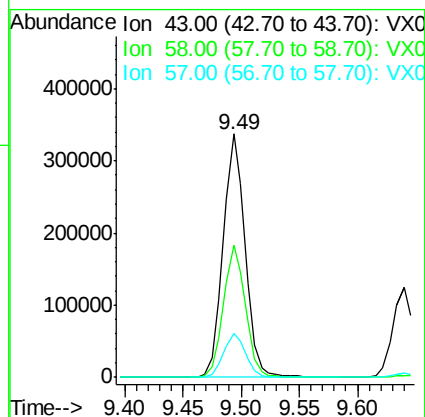
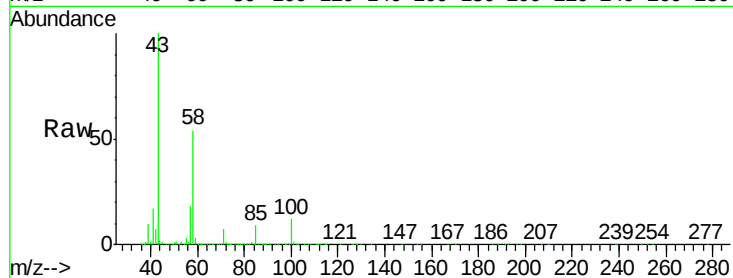




#59
2-Hexanone
Concen: 98.617 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.00 min
Lab File: VX007660.D
Acq: 22 Feb 2019 15:22

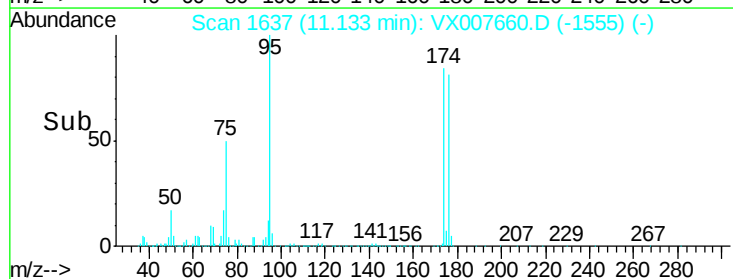
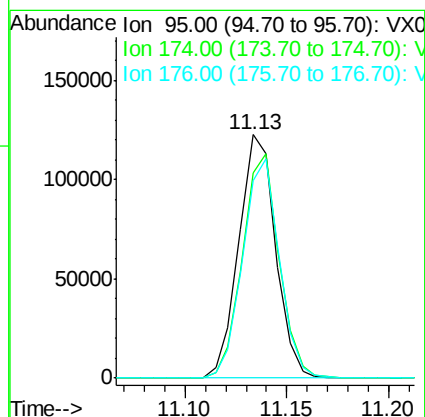
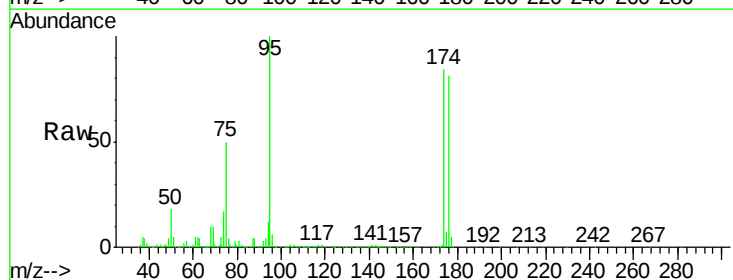
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

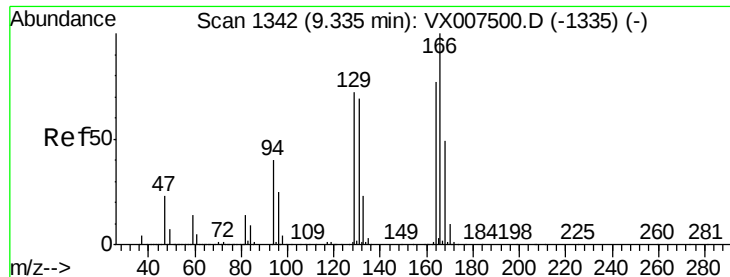
Tot Ion	Ratio	Lower	Upper
43	100		
58	54.1	43.9	65.9
57	18.3	14.9	22.3



#60
4-Bromofluorobenzene
Concen: 30.831 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX007660.D
Acq: 22 Feb 2019 15:22

Tgt Ion	Ratio	Lower	Upper
95	100		
174	92.3	74.9	112.3
176	89.9	70.7	106.1





#61

Tetrachloroethene

Concen: 20.301 ug/l

RT: 9.33 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX007660.D

Acq: 22 Feb 2019 15:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion:164 Resp: 93676

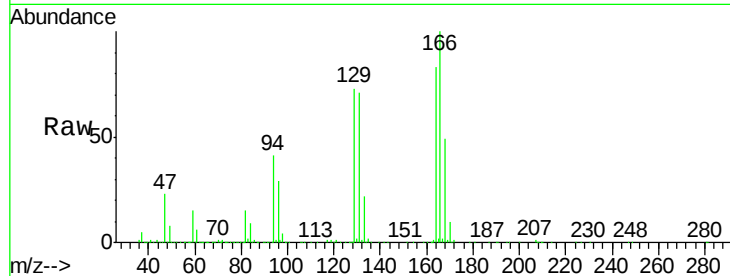
Ion Ratio Lower Upper

164 100

166 120.5 103.9 155.9

129 88.1 74.7 112.1

131 85.3 71.7 107.5

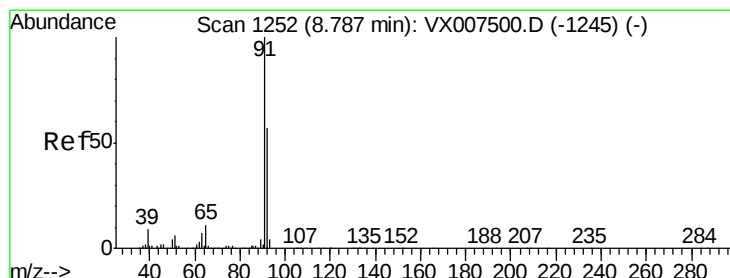
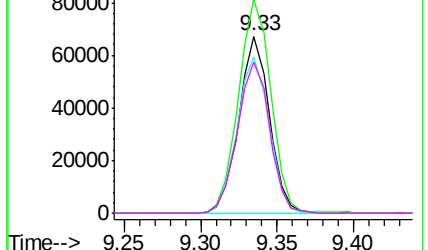
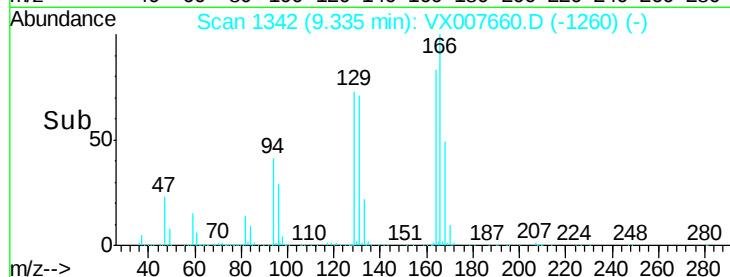


Abundance Ion 163.85 (163.55 to 164.55): V

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: 20.014 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX007660.D

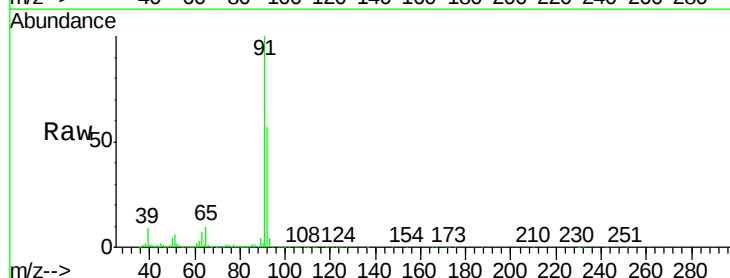
Acq: 22 Feb 2019 15:22

Tgt Ion: 91 Resp: 354313

Ion Ratio Lower Upper

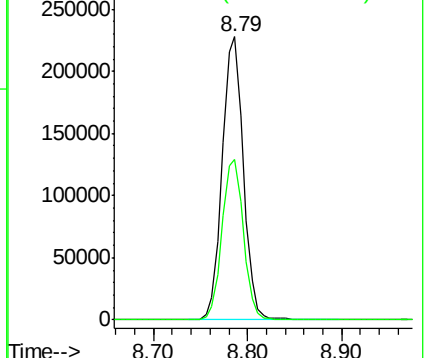
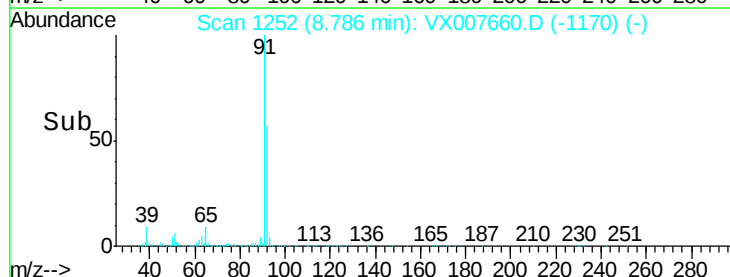
91 100

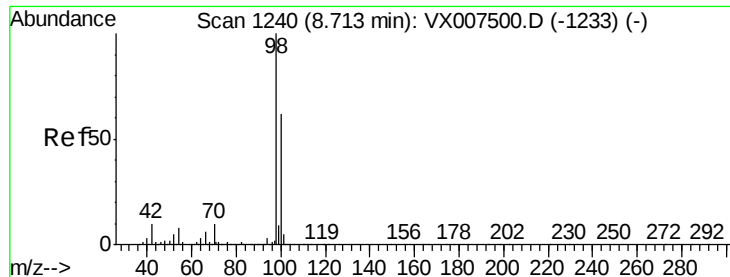
92 57.2 46.4 69.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0





#63

Toluene-d8

Concen: 30.088 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX007660.D

Acq: 22 Feb 2019 15:22

Instrument :

MSVOA_X

ClientSampleId :

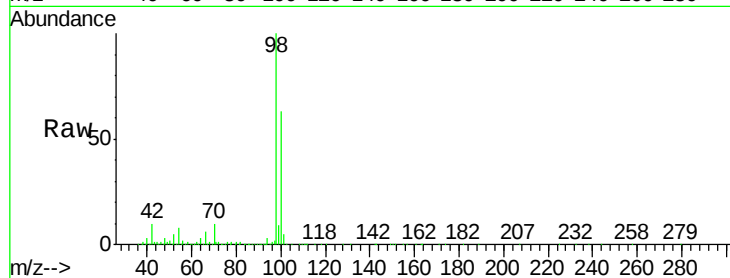
VSTDCCC020EC

Tot Ion: 98 Resp: 442046

Ion Ratio Lower Upper

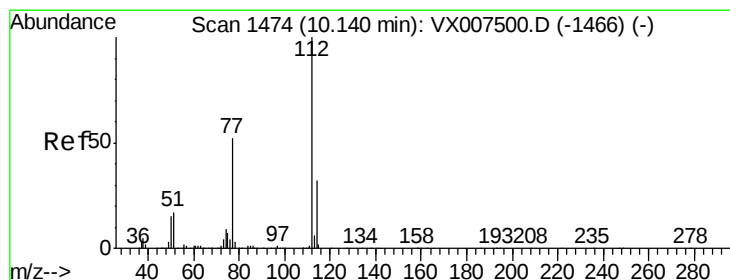
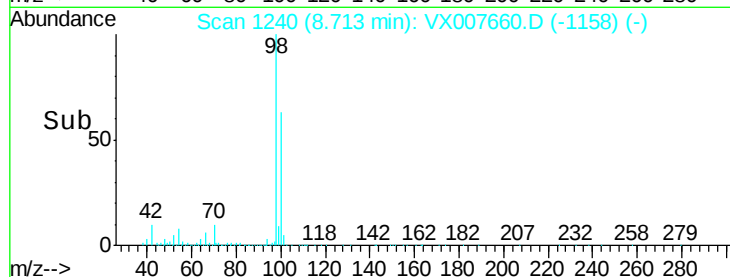
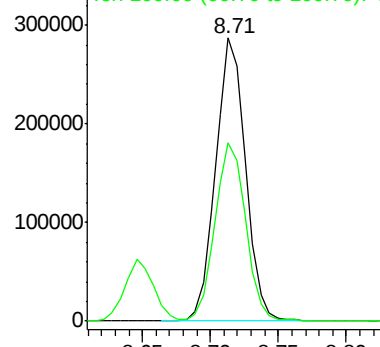
98 100

100 64.2 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#64

Chlorobenzene

Concen: 19.909 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. -0.00 min

Lab File: VX007660.D

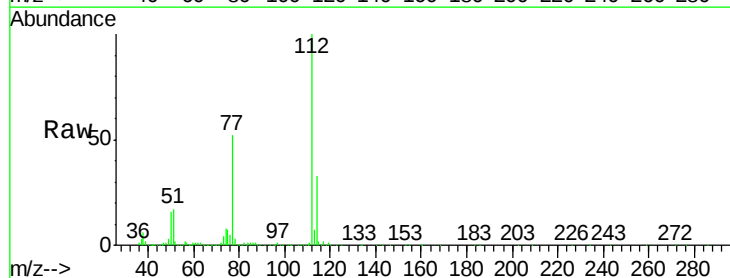
Acq: 22 Feb 2019 15:22

Tgt Ion: 112 Resp: 229042

Ion Ratio Lower Upper

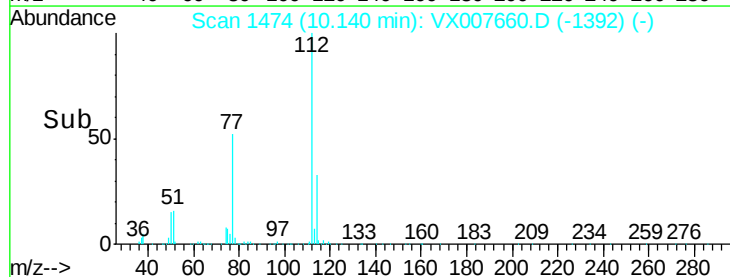
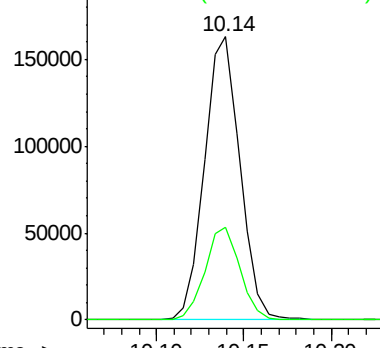
112 100

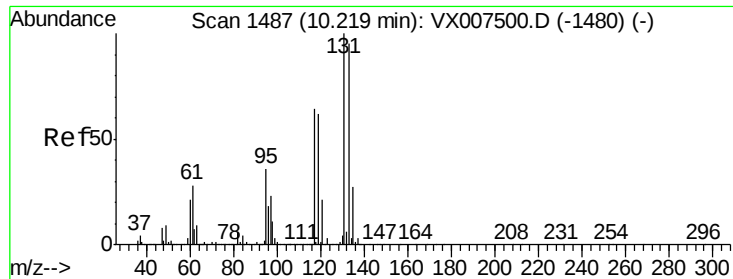
114 32.5 25.4 38.2



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V





#65

1,1,1,2-Tetrachloroethane

Concen: 20.177 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX007660.D

Acq: 22 Feb 2019 15:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

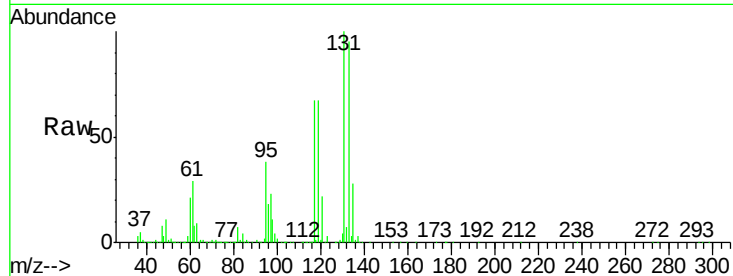
Tot Ion:131 Resp: 84075

Ion Ratio Lower Upper

131 100

133 95.0 0.0 191.6

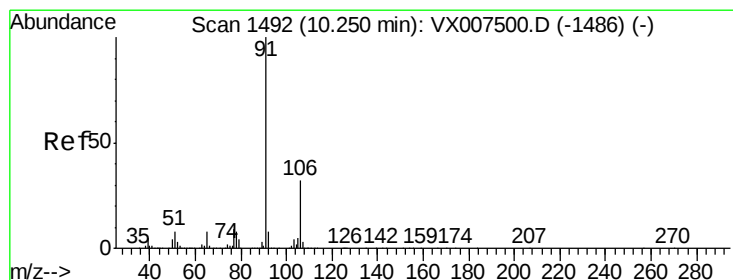
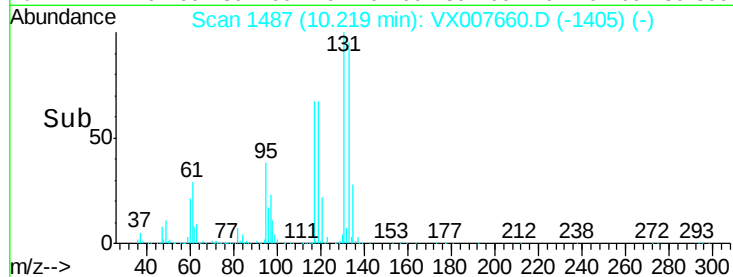
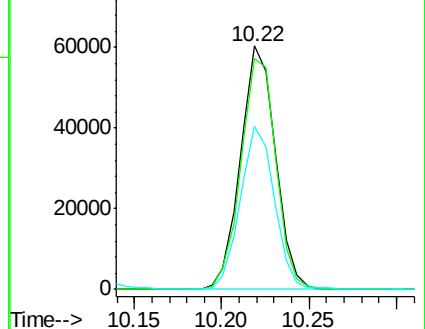
119 65.6 0.0 127.4



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: 19.800 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX007660.D

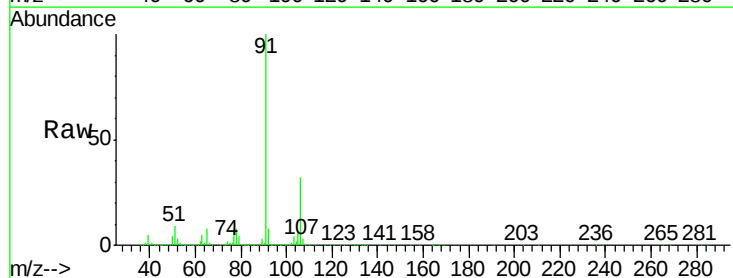
Acq: 22 Feb 2019 15:22

Tgt Ion: 91 Resp: 371958

Ion Ratio Lower Upper

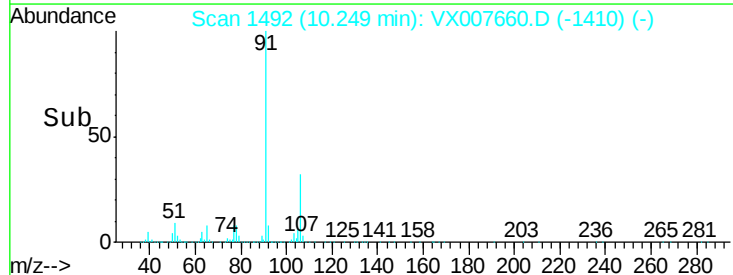
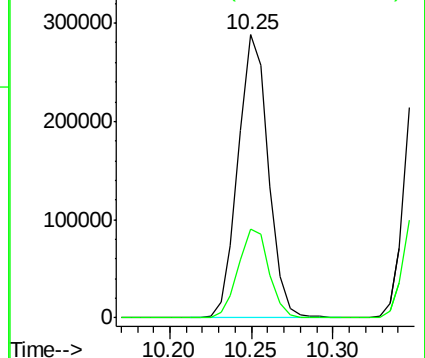
91 100

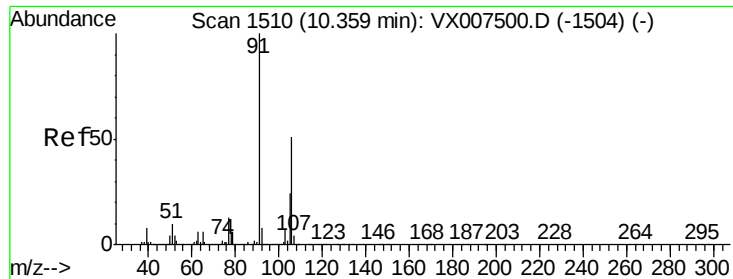
106 31.5 26.0 39.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V

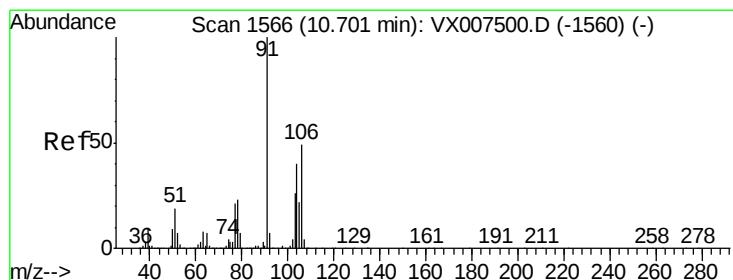
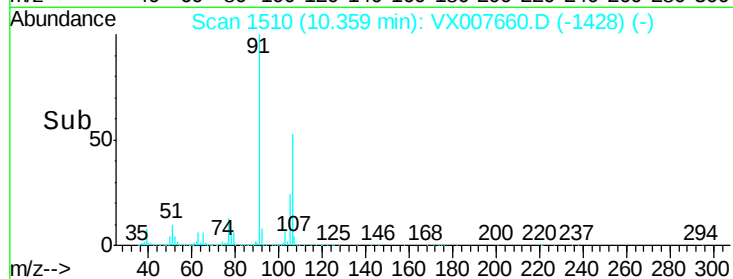
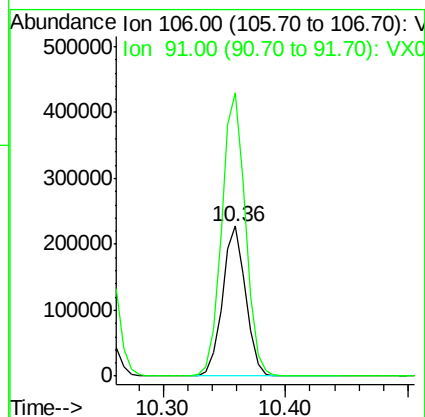
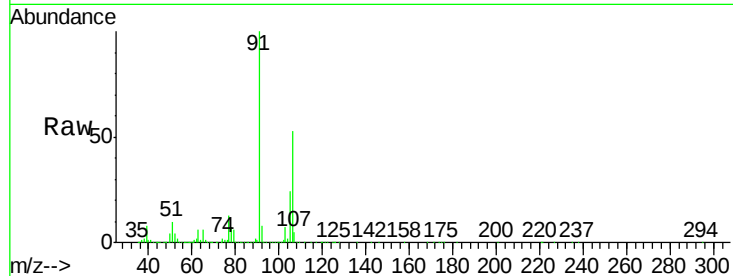




#67
m/p-Xylenes
Concen: 40.326 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX007660.D
Acq: 22 Feb 2019 15:22

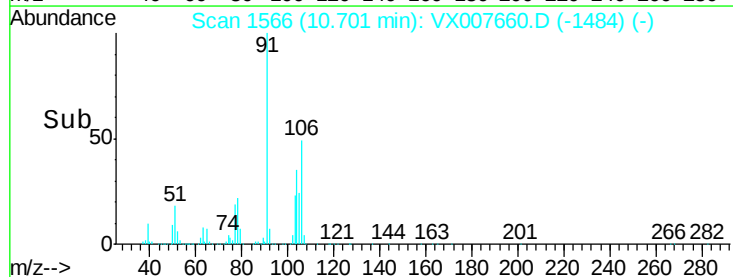
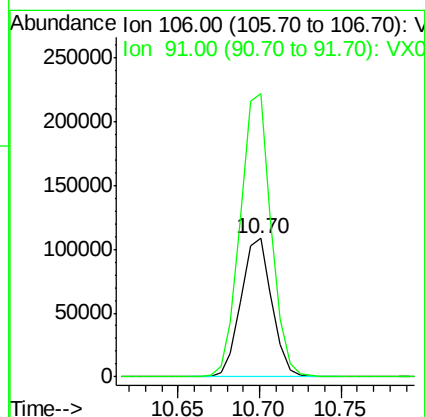
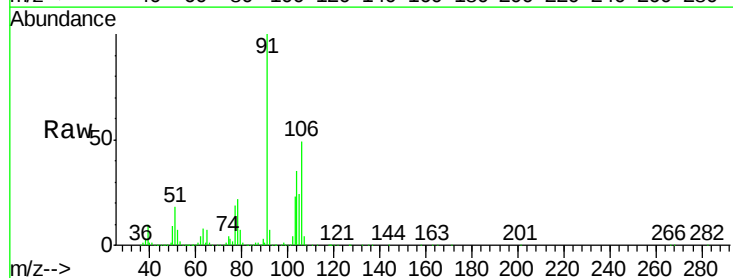
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

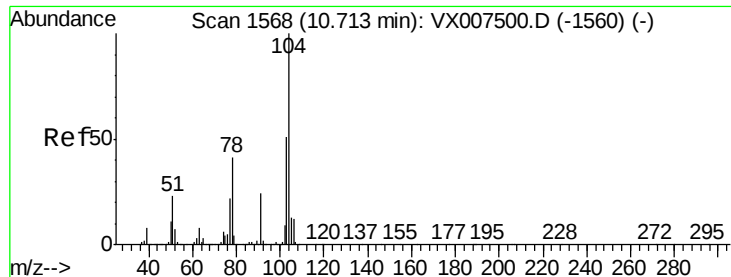
Tot Ion:106 Resp: 297130
Ion Ratio Lower Upper
106 100
91 193.7 157.0 235.4



#68
o-Xylene
Concen: 20.010 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX007660.D
Acq: 22 Feb 2019 15:22

Tgt Ion:106 Resp: 143798
Ion Ratio Lower Upper
106 100
91 203.4 104.4 313.2





#69

Stvrene

Concen: 20.025 ug/l

RT: 10.71 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VX007660.D

Acq: 22 Feb 2019 15:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

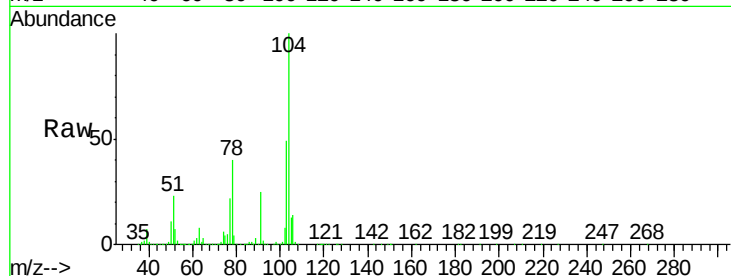
Tot Ion:104 Resp: 232229

Ion Ratio Lower Upper

104 100

78 46.7 38.2 57.2

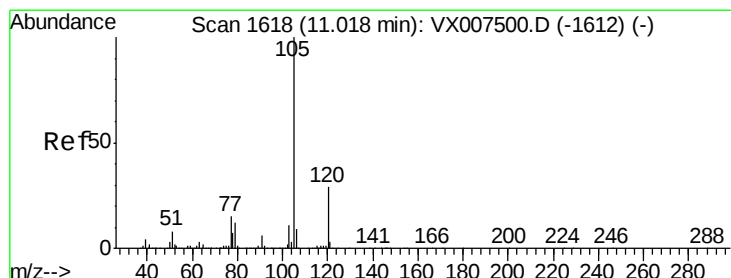
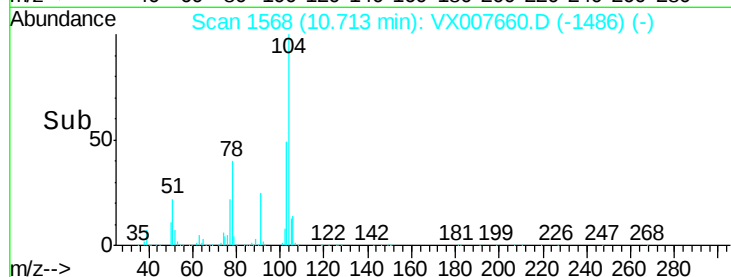
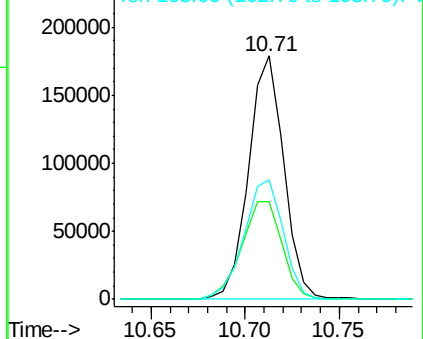
103 55.0 45.0 67.4



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: 19.948 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX007660.D

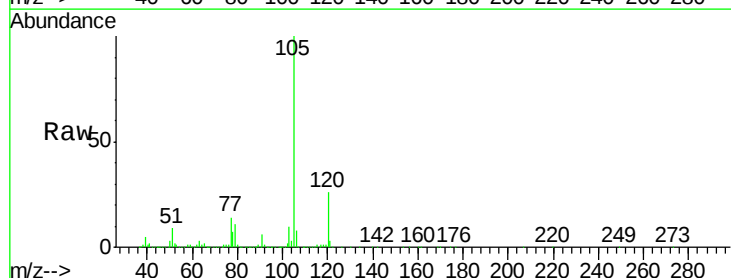
Acq: 22 Feb 2019 15:22

Tgt Ion:105 Resp: 378202

Ion Ratio Lower Upper

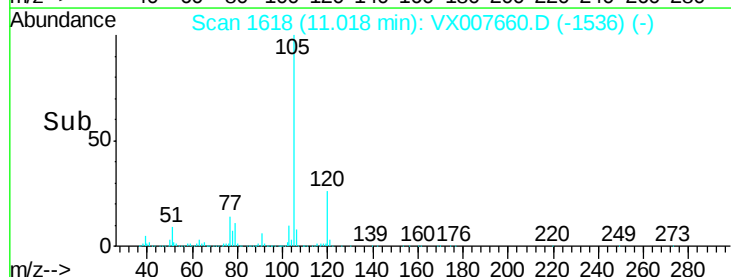
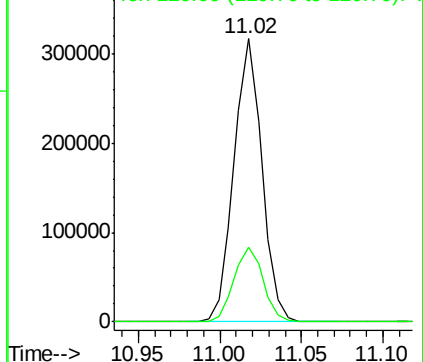
105 100

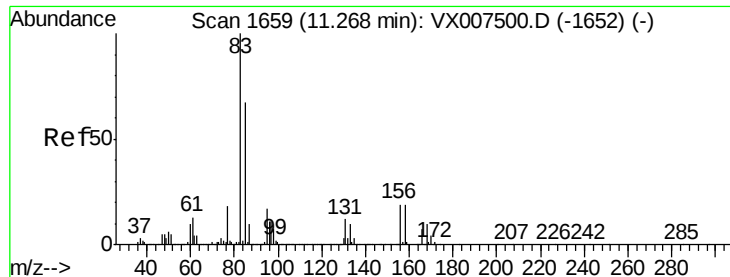
120 27.6 19.8 36.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

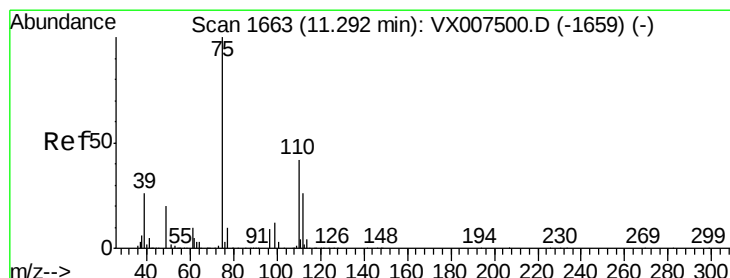
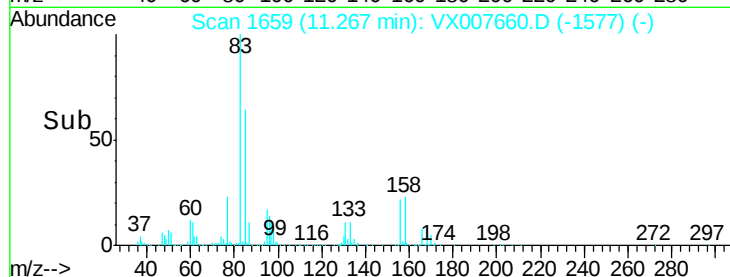
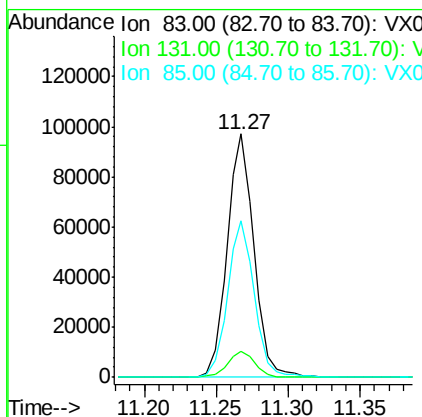
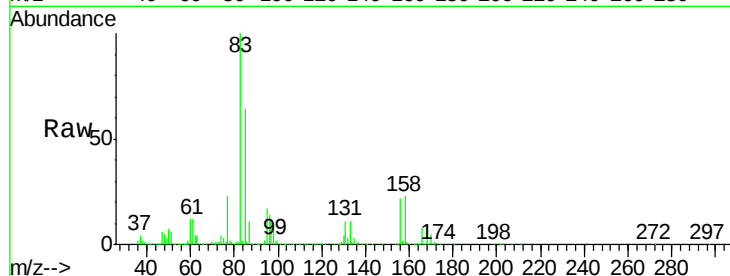




#71
 1,1,2,2-Tetrachloroethane
 Concen: 20.328 ug/l
 RT: 11.27 min Scan# 1659
 Delta R.T. -0.00 min
 Lab File: VX007660.D
 Acq: 22 Feb 2019 15:22

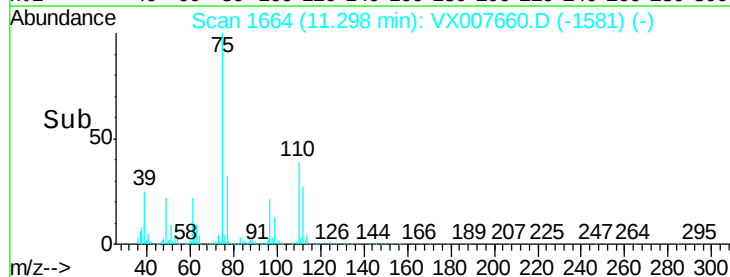
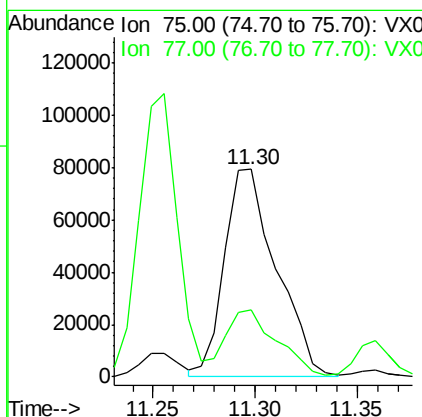
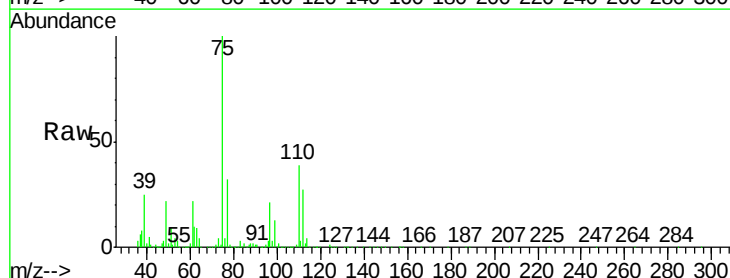
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

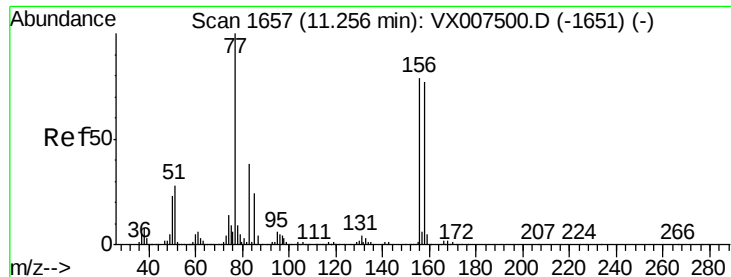
Tot Ion	83	Resp	127398
Ion Ratio	Lower	Upper	
83	100		
131	10.8	5.4	16.2
85	64.3	32.8	98.4



#72
 1,2,3-Trichloropropane
 Concen: 24.472 ug/l
 RT: 11.30 min Scan# 1664
 Delta R.T. 0.01 min
 Lab File: VX007660.D
 Acq: 22 Feb 2019 15:22

Tgt Ion	75	Resp	140232
Ion Ratio	Lower	Upper	
75	100		
77	32.2	0.0	76.4





#73

Bromobenzene

Concen: 20.066 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX007660.D

Acq: 22 Feb 2019 15:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

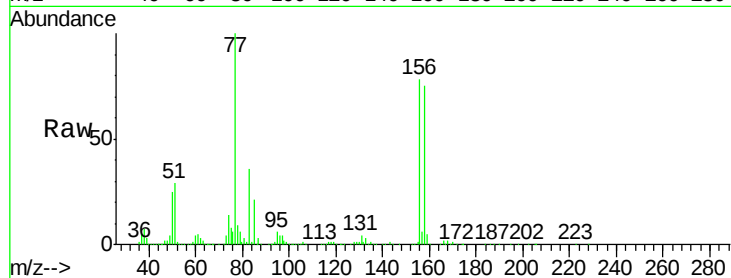
Tot Ion:156 Resp: 103865

Ion Ratio Lower Upper

156 100

77 134.9 0.0 271.4

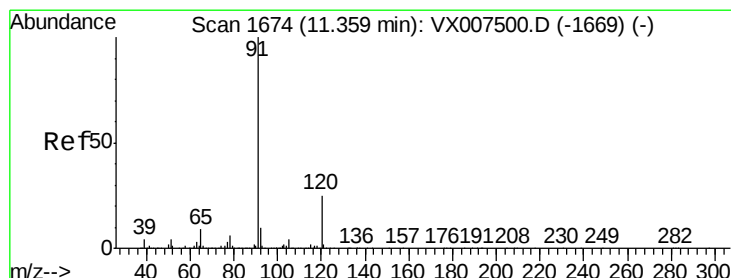
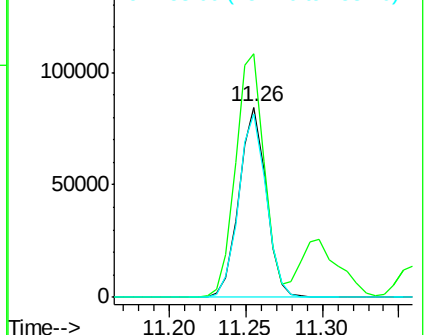
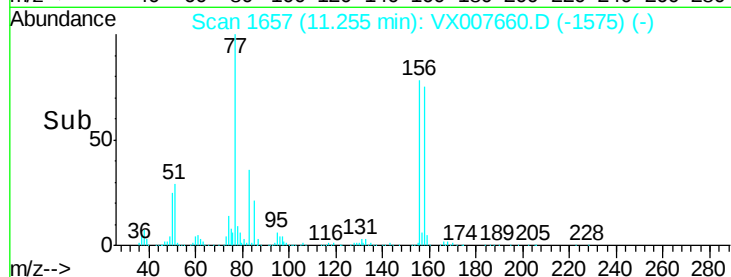
158 98.2 0.0 194.0



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: 20.187 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX007660.D

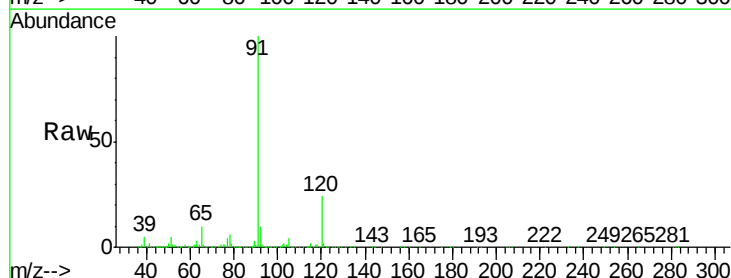
Acq: 22 Feb 2019 15:22

Tgt Ion: 91 Resp: 424952

Ion Ratio Lower Upper

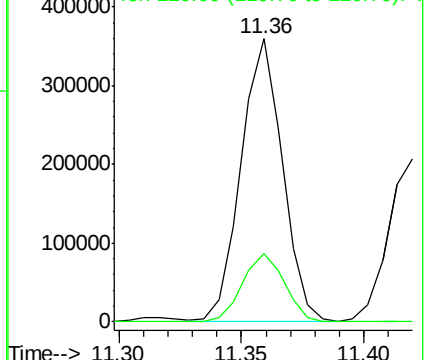
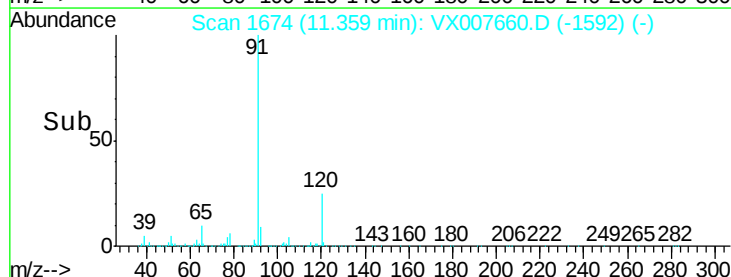
91 100

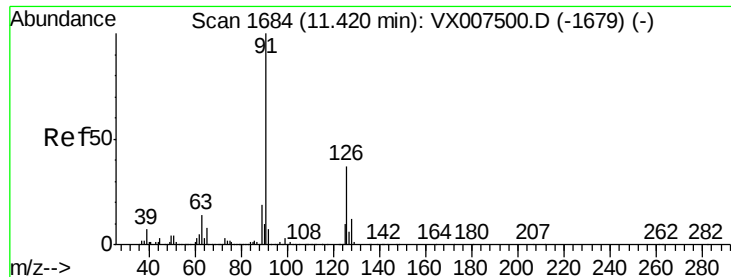
120 24.4 0.0 48.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 20.319 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX007660.D

Acq: 22 Feb 2019 15:22

Instrument :

MSVOA_X

ClientSampleId :

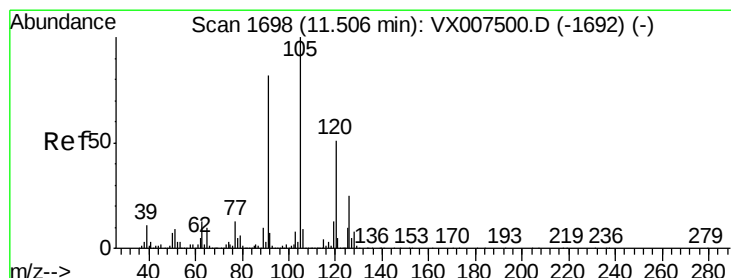
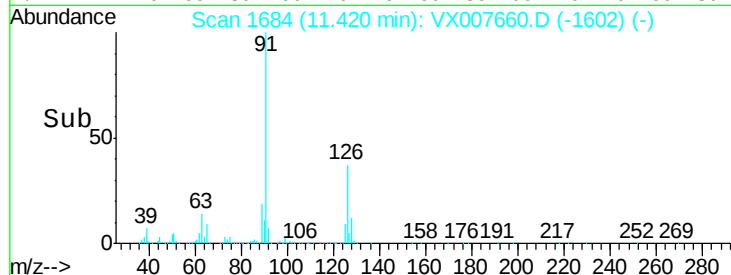
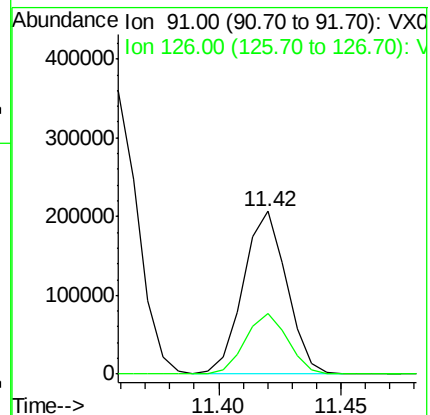
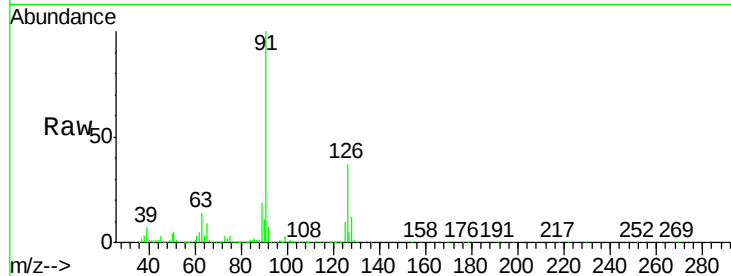
VSTDCCC020EC

Tot Ion: 91 Resp: 255748

Ion Ratio Lower Upper

91 100

126 36.5 0.0 75.2



#76

1,3,5-Trimethylbenzene

Concen: 19.711 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX007660.D

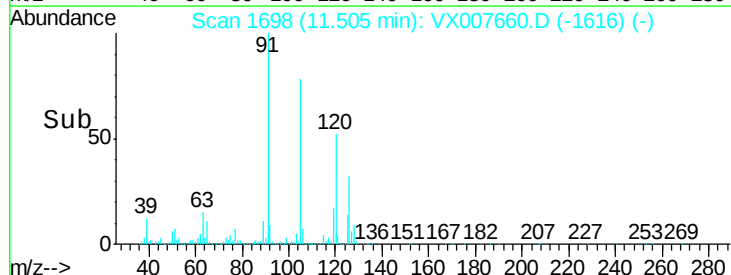
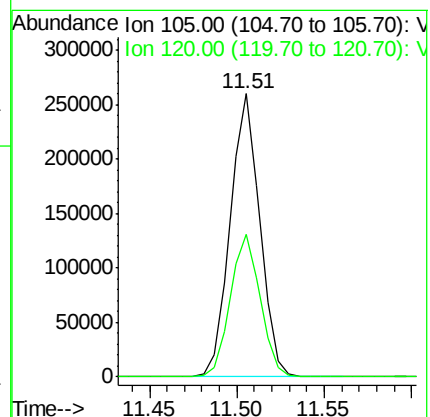
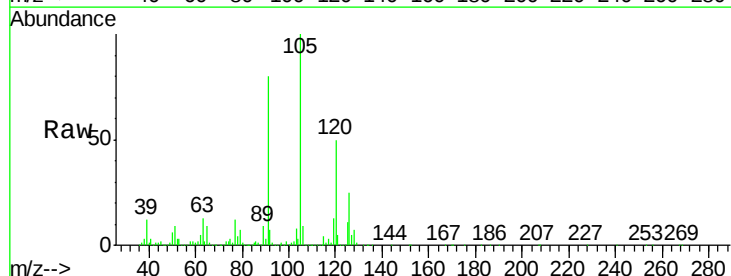
Acq: 22 Feb 2019 15:22

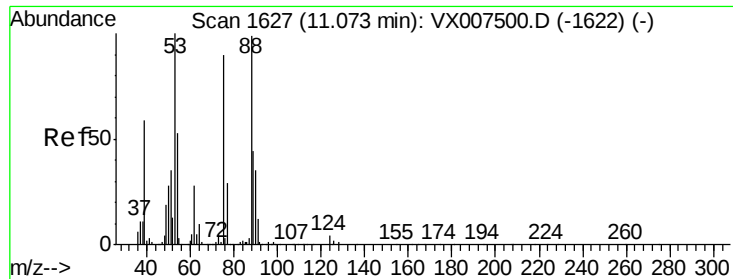
Tgt Ion: 105 Resp: 305052

Ion Ratio Lower Upper

105 100

120 50.6 0.0 101.0

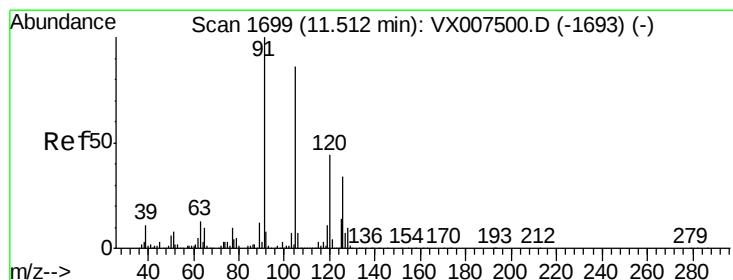
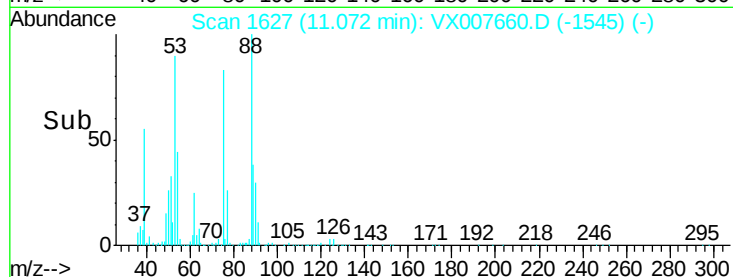
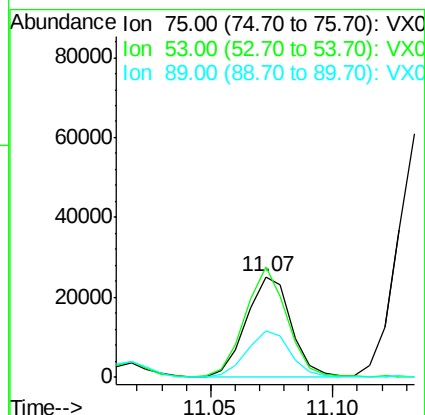
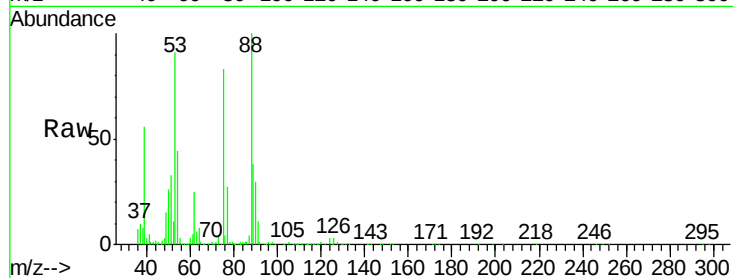




#77
t-1,4-Dichloro-2-butene
Concen: 19.305 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VX007660.D
Acq: 22 Feb 2019 15:22

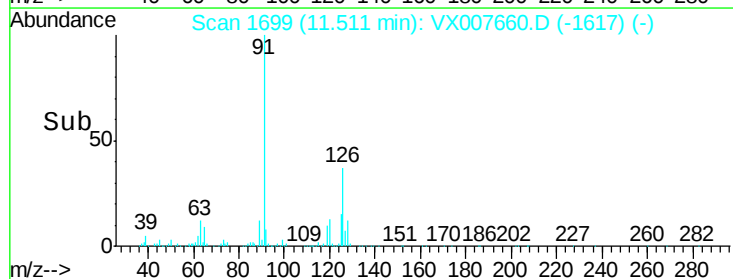
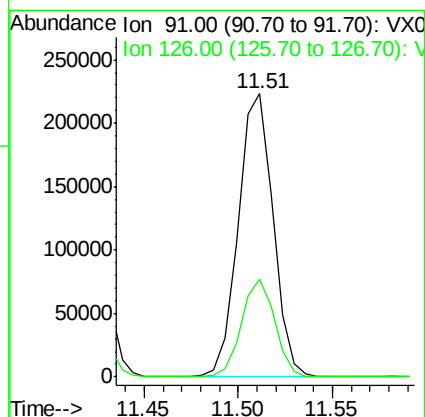
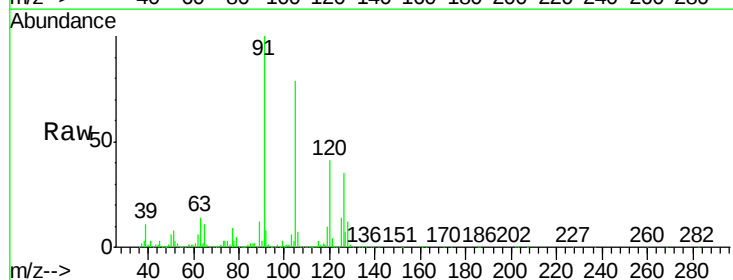
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

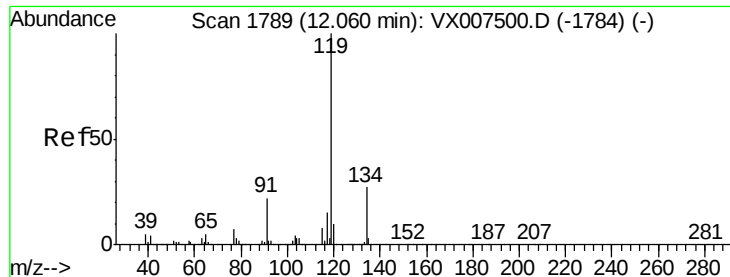
Tot Ion: 75 Resp: 31931
Ion Ratio Lower Upper
75 100
53 109.9 55.5 166.7
89 45.4 24.4 73.2



#78
4-Chlorotoluene
Concen: 19.745 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. -0.00 min
Lab File: VX007660.D
Acq: 22 Feb 2019 15:22

Tgt Ion: 91 Resp: 283681
Ion Ratio Lower Upper
91 100
126 32.7 0.0 66.2

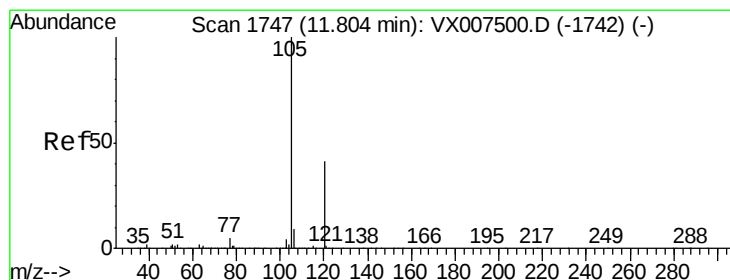
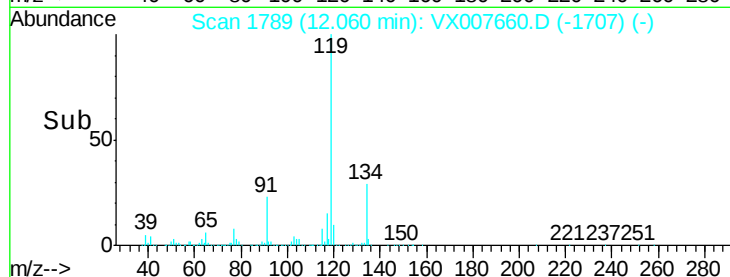
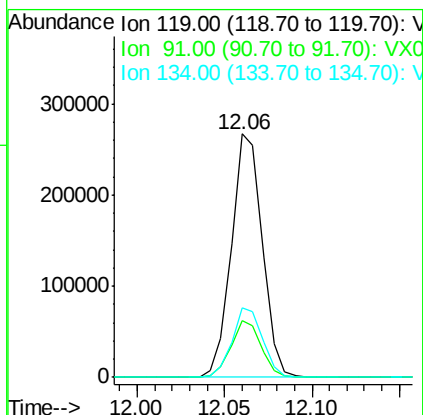
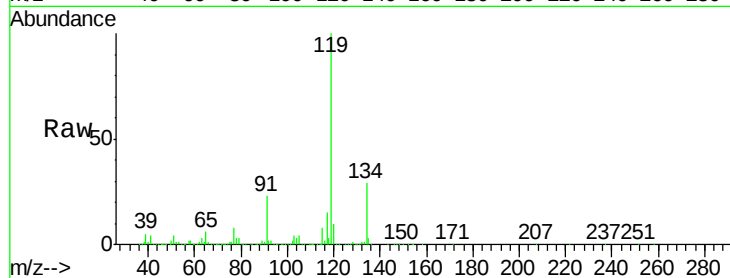




#79
tert-butylbenzene
Concen: 19.933 ug/l
RT: 12.06 min Scan# 1789
Delta R.T. -0.00 min
Lab File: VX007660.D
Acq: 22 Feb 2019 15:22

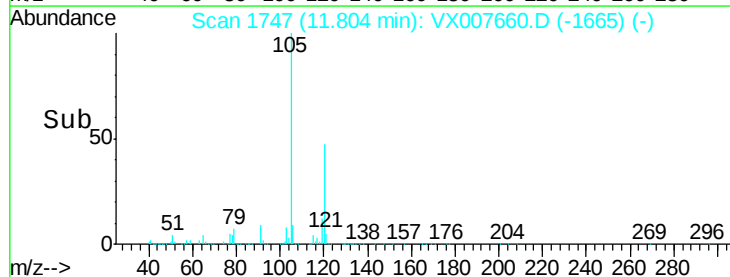
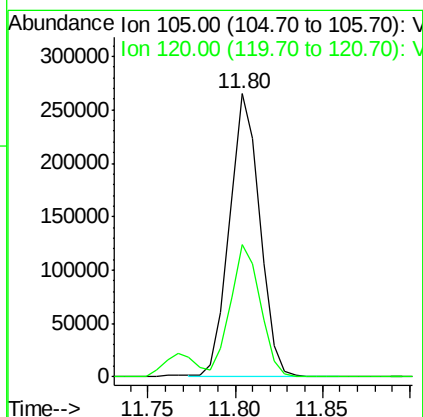
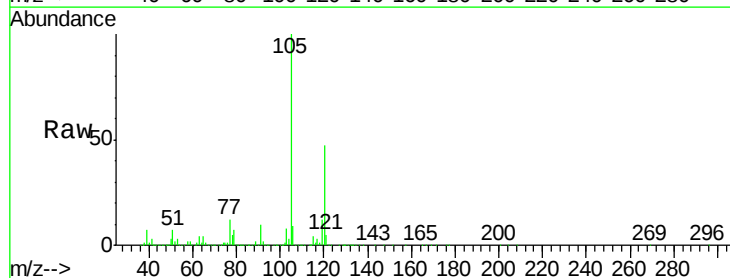
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

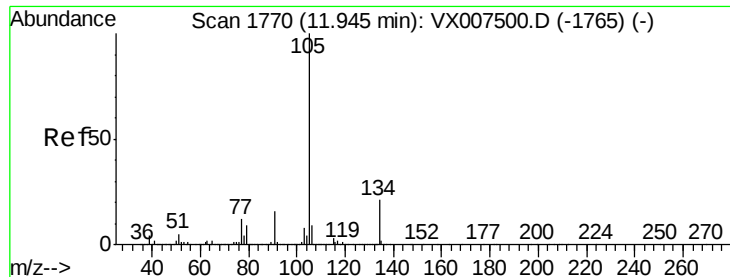
Tot Ion	Ratio	Lower	Upper
119	100		
91	22.8	0.0	45.0
134	28.2	0.0	55.4



#80
1,2,4-Trimethylbenzene
Concen: 20.369 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX007660.D
Acq: 22 Feb 2019 15:22

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.0	0.0	94.0

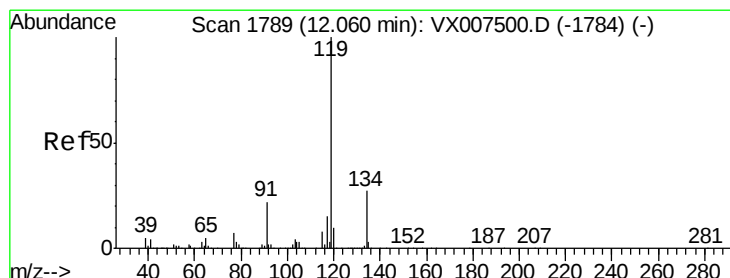
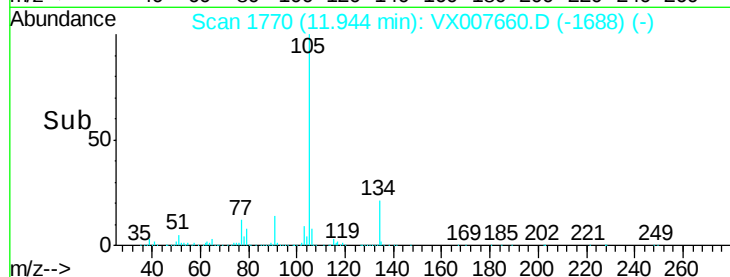
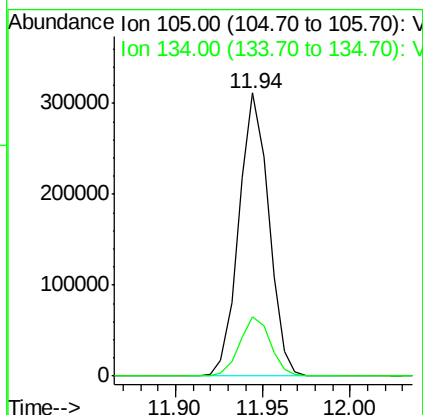
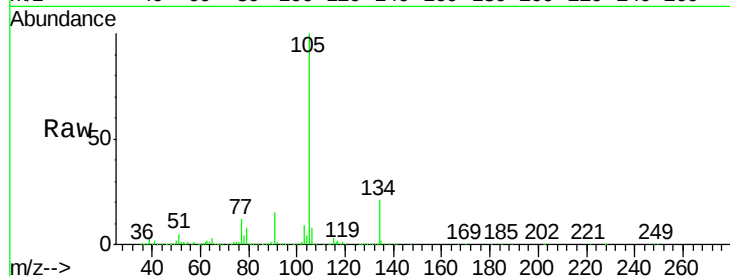




#81
 sec-Butylbenzene
 Concen: 20.074 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX007660.D
 Acq: 22 Feb 2019 15:22

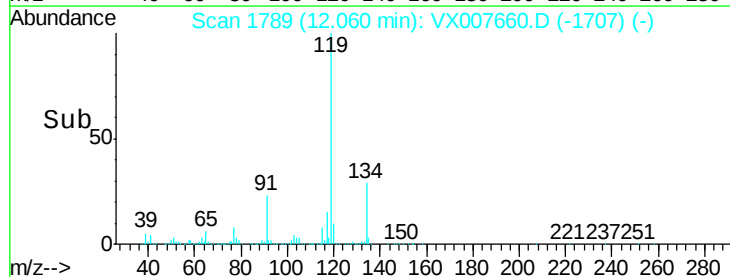
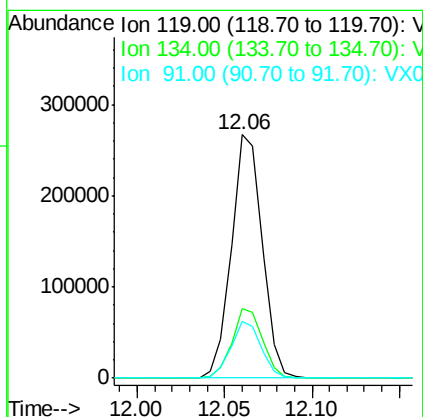
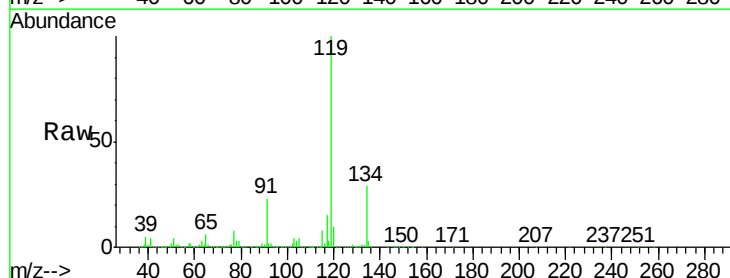
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

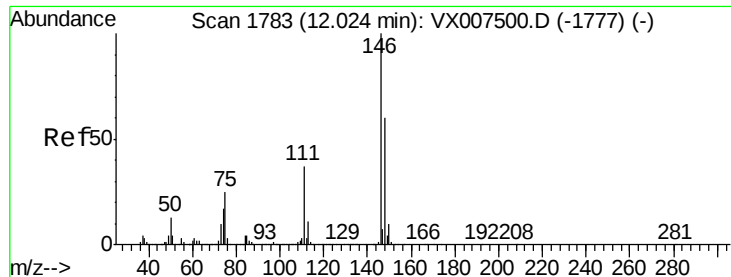
Tot Ion:105 Resp: 371000
 Ion Ratio Lower Upper
 105 100
 134 21.5 0.0 41.8



#82
 p-Isopropyltoluene
 Concen: 19.933 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. -0.00 min
 Lab File: VX007660.D
 Acq: 22 Feb 2019 15:22

Tgt Ion:119 Resp: 327566
 Ion Ratio Lower Upper
 119 100
 134 28.2 0.0 55.4
 91 22.8 0.0 45.0





#83

1,3-Dichlorobenzene

Concen: 20.210 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VX007660.D

Acq: 22 Feb 2019 15:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

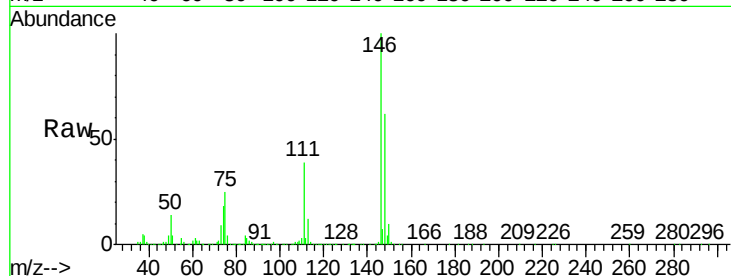
Tot Ion:146 Resp: 183902

Ion Ratio Lower Upper

146 100

111 37.3 18.8 56.3

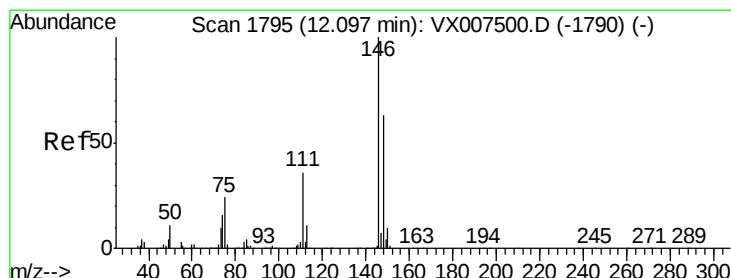
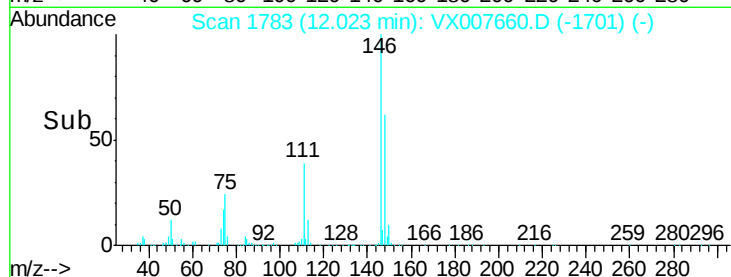
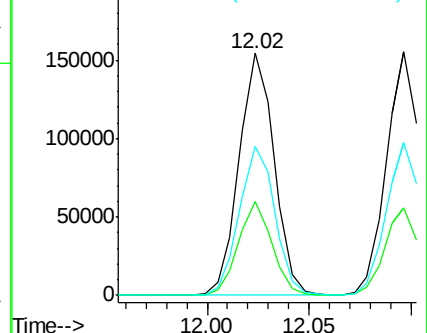
148 62.5 30.6 91.8



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#84

1,4-Dichlorobenzene

Concen: 19.987 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VX007660.D

Acq: 22 Feb 2019 15:22

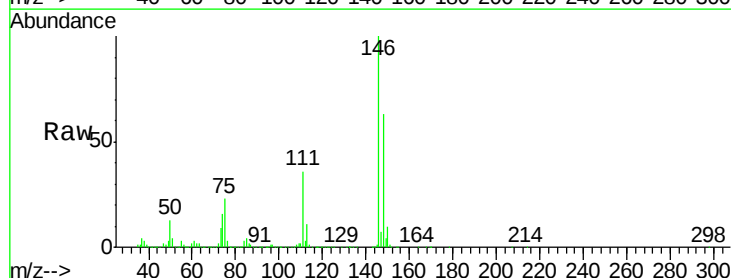
Tgt Ion:146 Resp: 181496

Ion Ratio Lower Upper

146 100

111 36.3 17.6 52.8

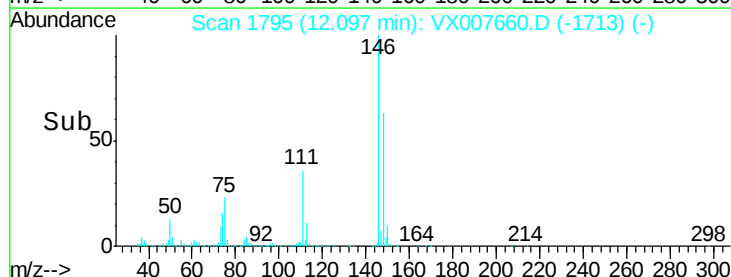
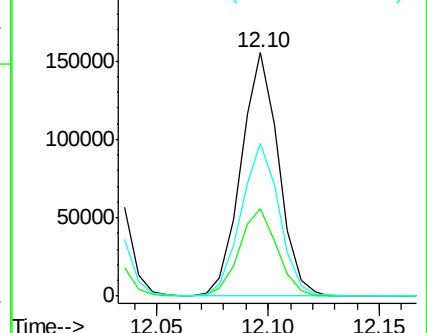
148 64.0 31.4 94.2

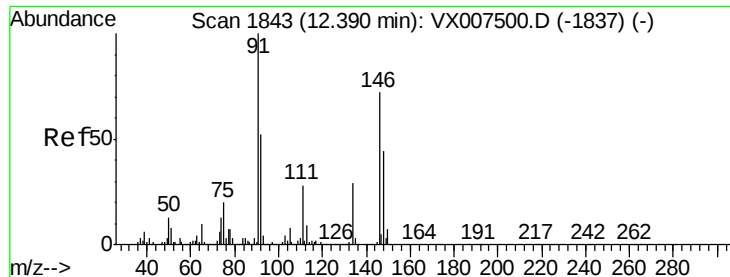


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

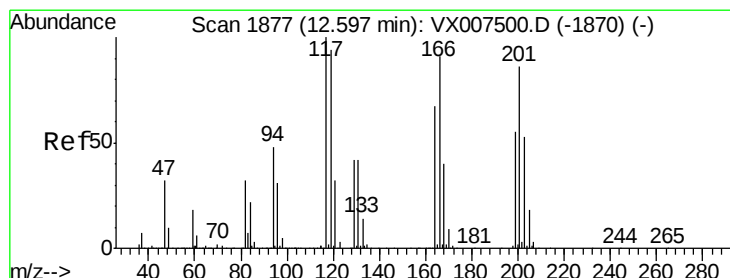
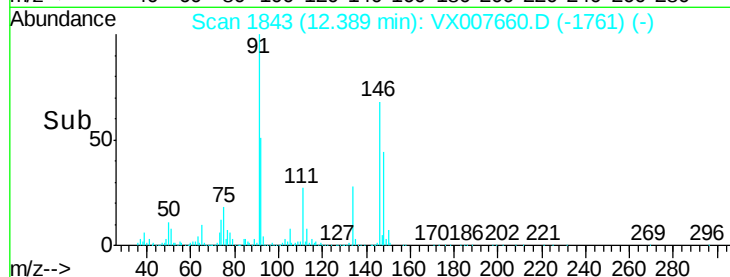
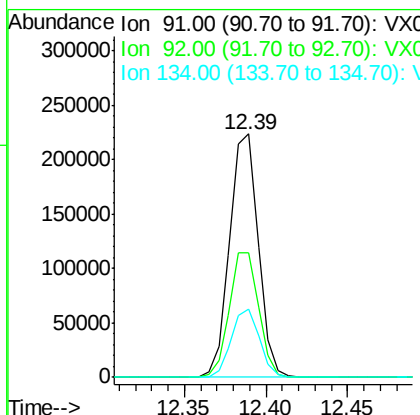
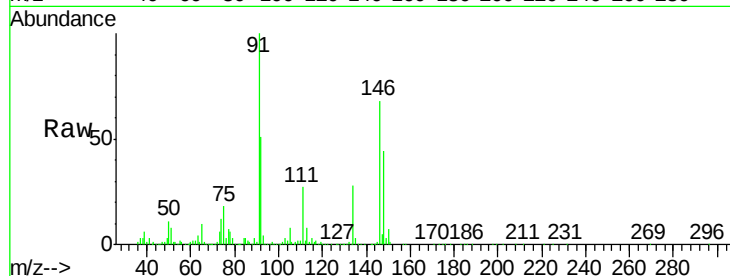




#85
n-Butylbenzene
Concen: 20.059 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX007660.D
Acq: 22 Feb 2019 15:22

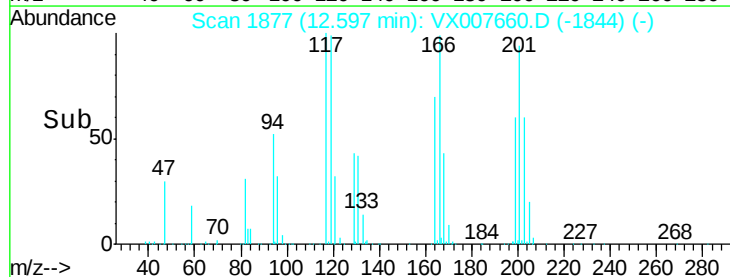
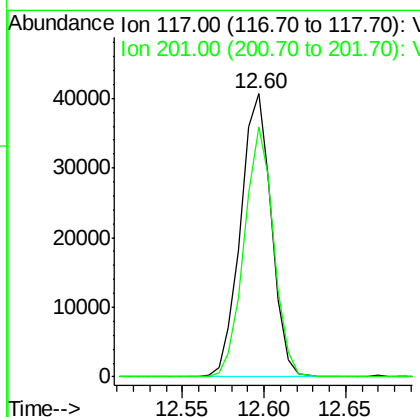
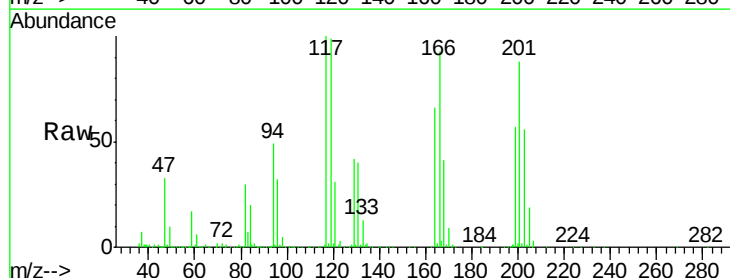
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

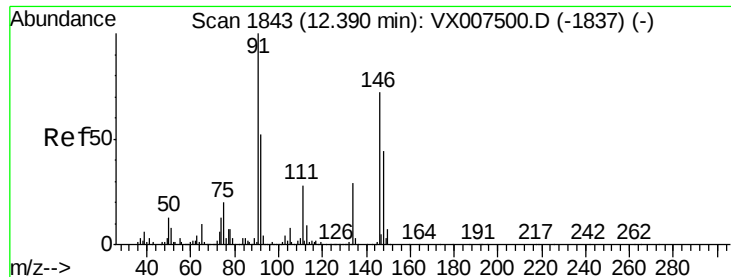
Tot Ion: 91 Resp: 273535
Ion Ratio Lower Upper
91 100
92 52.0 0.0 105.2
134 27.6 0.0 56.4



#86
Hexachloroethane
Concen: 19.669 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX007660.D
Acq: 22 Feb 2019 15:22

Tgt Ion: 117 Resp: 53663
Ion Ratio Lower Upper
117 100
201 84.2 41.1 123.3





#87

1,2-Dichlorobenzene

Concen: 20.126 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX007660.D

Acq: 22 Feb 2019 15:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

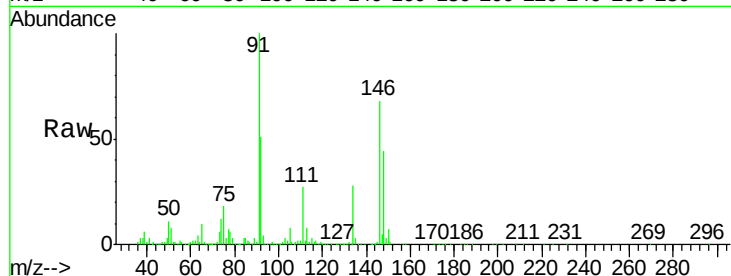
Tot Ion:146 Resp: 183816

Ion Ratio Lower Upper

146 100

111 39.3 19.3 57.8

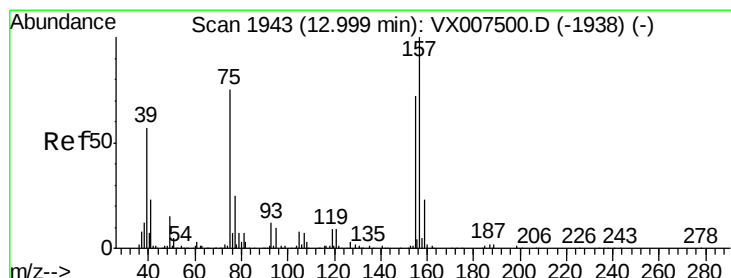
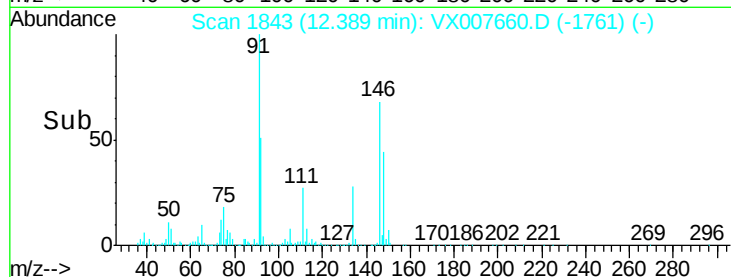
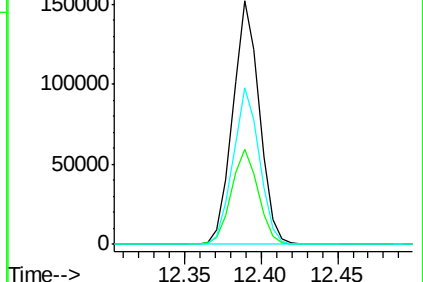
148 63.3 32.1 96.3



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,2-Dibromo-3-Chloropropane

Concen: 19.007 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VX007660.D

Acq: 22 Feb 2019 15:22

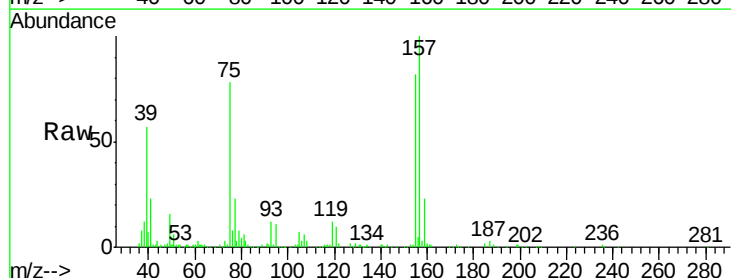
Tgt Ion: 75 Resp: 24859

Ion Ratio Lower Upper

75 100

155 104.9 81.0 121.6

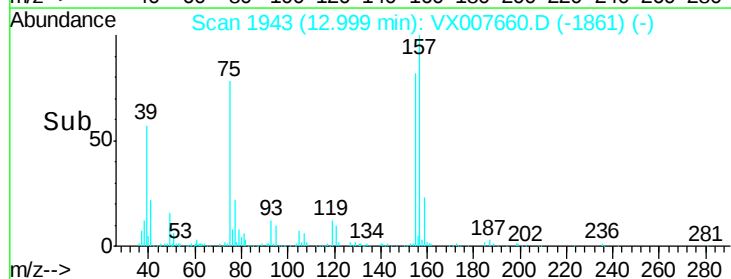
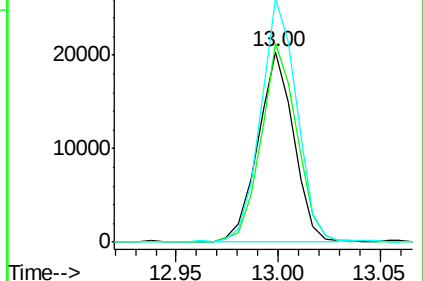
157 130.1 103.2 154.8

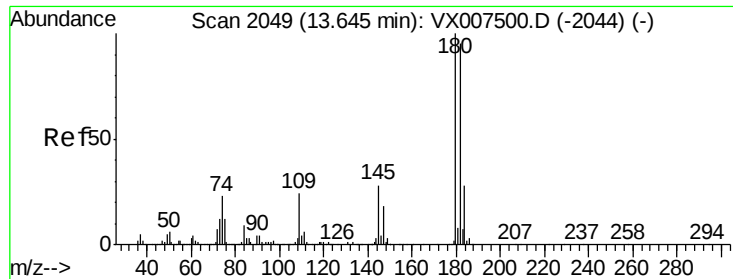


Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

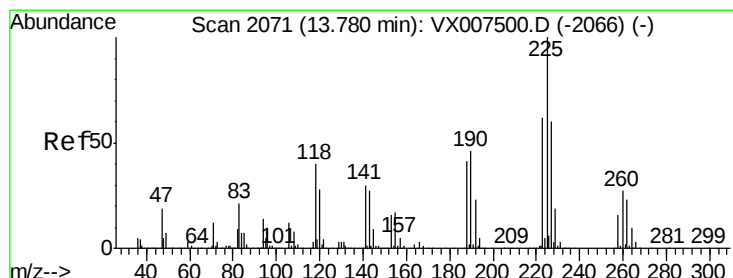
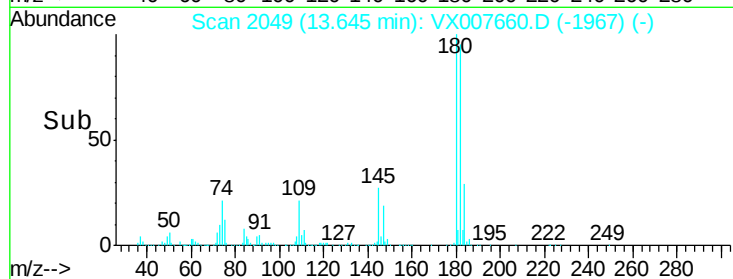
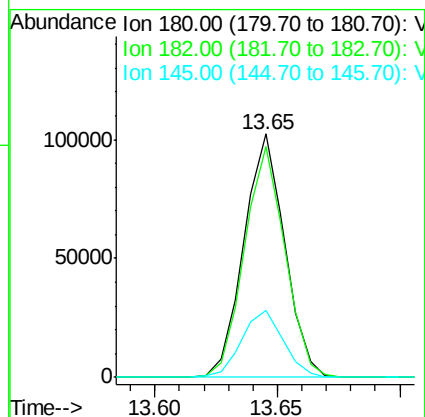
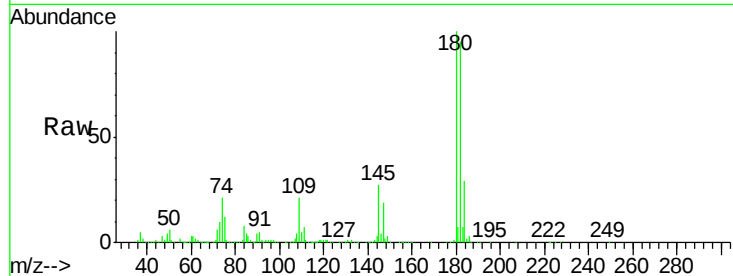




#89
 1,2,4-Trichlorobenzene
 Concen: 19.887 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX007660.D
 Acq: 22 Feb 2019 15:22

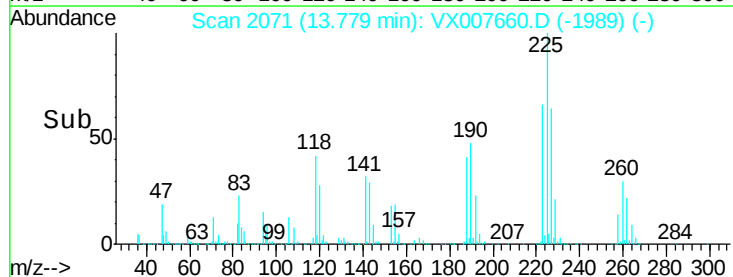
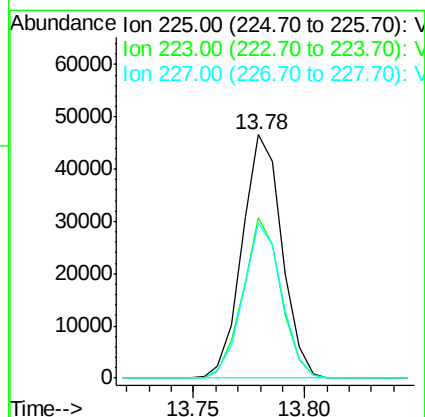
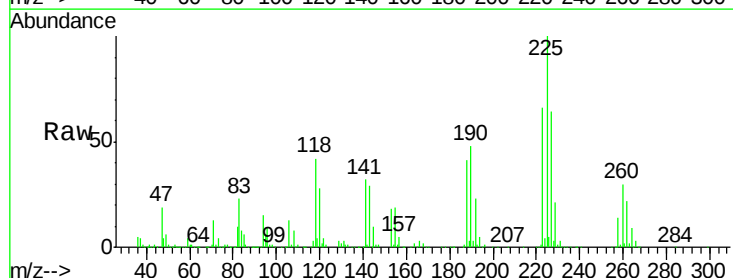
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

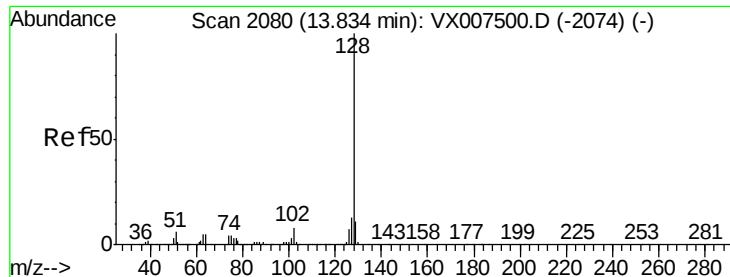
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.0	75.6	113.4
145	28.2	23.0	34.6



#90
 Hexachlorobutadiene
 Concen: 20.713 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX007660.D
 Acq: 22 Feb 2019 15:22

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.5	0.0	123.8
227	62.2	0.0	124.4





#91

Naphthalene

Concen: 19.315 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX007660.D

Acq: 22 Feb 2019 15:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

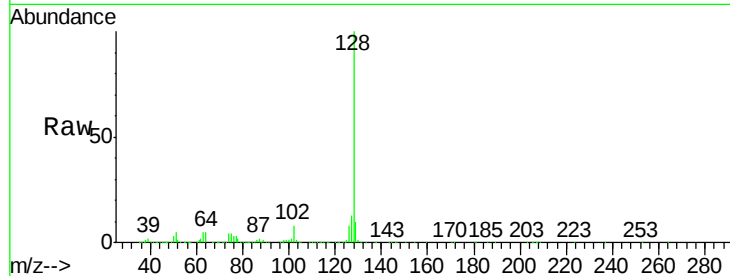
Tot Ion:128 Resp: 369519

Ion Ratio Lower Upper

128 100

127 13.0 10.5 15.7

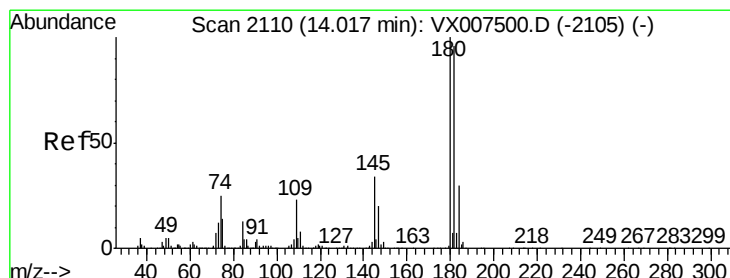
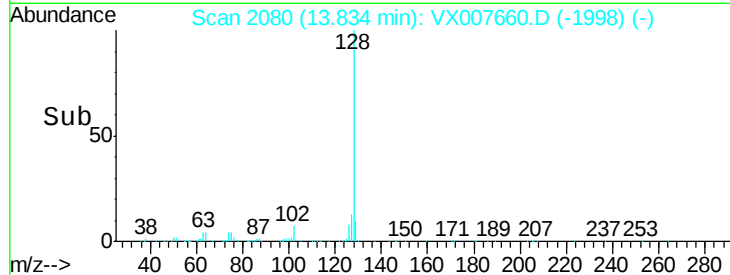
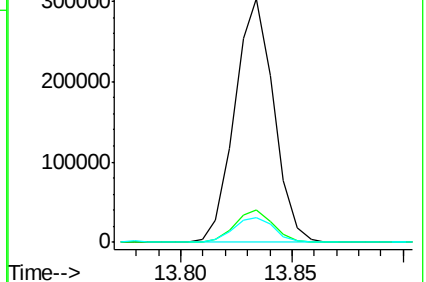
129 10.7 8.9 13.3



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: 19.807 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX007660.D

Acq: 22 Feb 2019 15:22

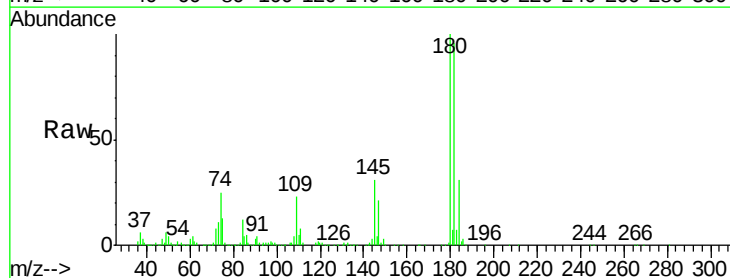
Tgt Ion:180 Resp: 120780

Ion Ratio Lower Upper

180 100

182 96.8 0.0 193.0

145 30.5 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

