

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102518\
 Data File : VN052012.D
 Acq On : 25 Oct 2018 15:21
 Operator : MD\SY
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Quant Time: Oct 26 01:02:05 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N101218W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 12 10:23:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	179708	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	1025671	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	914948	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	310299	28.38	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	94.60%
60) 4-Bromofluorobenzene	12.40	95	380338	28.83	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	96.10%
63) Toluene-d8	10.09	98	1166970	29.37	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	97.90%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	149861	21.465	ug/l 97
3) Chloromethane	2.06	50	134348	18.207	ug/l 97
4) Vinyl Chloride	2.19	62	167288	15.182	ug/l 99
5) Bromomethane	2.57	94	161674	16.606	ug/l 87
6) Chloroethane	2.71	64	126280	15.902	ug/l 98
7) Trichlorofluoromethane	3.02	101	322387	20.521	ug/l 93
8) Diethyl Ether	3.41	74	95301	20.838	ug/l 67
9) 1,1,2-Trichlorotrifluoroet	3.76	101	198436	22.180	ug/l # 39
10) 1,1-Dichloroethene	3.74	96	177910	21.502	ug/l # 77
11) Methyl Iodide	3.96	142	289237	24.047	ug/l 96
12) Methyl Acetate	4.33	43	103021	20.051	ug/l 93
13) Acrolein	3.61	56	17183	50.760	ug/l 86
14) Acrylonitrile	4.99	53	225746	98.309	ug/l # 62
15) Acetone	3.82	58	56756	99.985	ug/l 91
16) Carbon Disulfide	4.06	76	371921	17.116	ug/l 99
17) Allyl chloride	4.33	41	162552	16.548	ug/l 75
18) Methylene Chloride	4.56	84	194715	21.048	ug/l 86
19) trans-1,2-Dichloroethene	5.05	96	201274	21.304	ug/l # 77
20) Diisopropyl ether	5.95	45	422795	19.326	ug/l # 84
21) 1,1-Dichloroethane	5.86	63	311016	20.346	ug/l # 98
22) cis-1,2-Dichloroethene	6.83	96	236481	21.311	ug/l # 77
23) tert-Butyl Alcohol	4.86	59	516	0.853	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	455141	19.093	ug/l # 67
25) Chloroform	7.37	83	378098	20.849	ug/l 95
26) Cyclohexane	7.66	56	241668	18.648	ug/l # 67
29) 1,1-Dichloropropene	7.80	75	258610	19.561	ug/l 91
30) 2-Butanone	6.84	43	250062	90.493	ug/l # 83
31) 2,2-Dichloropropane	6.83	77	276426	17.773	ug/l # 75
32) 1,1,1-Trichloroethane	7.57	97	347799	19.842	ug/l # 93
33) Carbon Tetrachloride	7.78	117	305809	19.284	ug/l 93
34) Benzene	8.04	78	799509	20.444	ug/l # 66
35) Methacrylonitrile	7.17	41	49182	13.547	ug/l 77
36) 1,2-Dichloroethane	8.13	62	253414	20.223	ug/l # 94
37) Trichloroethene	8.84	130	252461	20.796	ug/l 93
38) Methylcyclohexane	9.08	83	316158	18.644	ug/l 77
39) 1,2-Dichloropropane	9.12	63	183021	19.872	ug/l 95
40) Dibromomethane	9.21	93	141718	20.733	ug/l 93

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 12 10:23:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	266918	18.905	ug/l	96
42) Vinyl Acetate	5.90	43	1385946	89.095	ug/l #	88
43) Ethyl Acetate	6.93	43	109479	18.246	ug/l	97
44) Isopropyl Acetate	8.17	43	216778	18.088	ug/l	99
45) 1,4-Dioxane	9.20	88	24428	253.843	ug/l #	74
46) Methyl methacrylate	9.20	41	102371	18.519	ug/l	70
47) n-amyl Acetate	12.07	43	190666	19.004	ug/l #	71
48) t-1,3-Dichloropropene	10.38	75	243092	17.656	ug/l	97
49) cis-1,3-Dichloropropene	9.84	75	283622	18.687	ug/l	95
50) 1,1,2-Trichloroethane	10.56	97	195860	20.738	ug/l	95
51) Ethyl methacrylate	10.43	69	202038	18.686	ug/l	83
52) 1,3-Dichloropropane	10.71	76	293552	20.139	ug/l	98
53) Dibromochloromethane	10.90	129	220955	18.912	ug/l	95
54) 1,2-Dibromoethane	11.00	107	202503	20.428	ug/l	97
55) 2-Chloroethyl vinyl ether	9.69	63	526537	113.913	ug/l #	92
56) Bromoform	12.13	173	130696	16.962	ug/l	94
58) 4-Methyl-2-Pentanone	9.98	43	560914	91.611	ug/l #	85
59) 2-Hexanone	10.75	43	377189	91.314	ug/l #	89
61) Tetrachloroethene	10.63	164	245044	20.942	ug/l	95
62) Toluene	10.16	91	950830	20.919	ug/l	99
64) Chlorobenzene	11.43	112	649634	21.823	ug/l	95
65) 1,1,1,2-Tetrachloroethane	11.51	131	236870	20.731	ug/l	99
66) Ethyl Benzene	11.51	91	1021537	20.335	ug/l	97
67) m/p-Xylenes	11.62	106	833877	40.944	ug/l	95
68) o-Xylene	11.95	106	406107	20.227	ug/l	87
69) Styrene	11.96	104	643424	20.887	ug/l	95
70) Isopropylbenzene	12.25	105	1086702	20.297	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.50	83	197374	18.667	ug/l	96
72) 1,2,3-Trichloropropane	12.55	75	238851	28.715	ug/l	79
73) Bromobenzene	12.53	156	297219	22.412	ug/l	75
74) n-propylbenzene	12.59	91	1144792	19.878	ug/l	92
75) 2-Chlorotoluene	12.67	91	675268	20.000	ug/l	89
76) 1,3,5-Trimethylbenzene	12.73	105	872542	19.707	ug/l	98
77) t-1,4-Dichloro-2-butene	12.30	75	41091	14.937	ug/l	97
78) 4-Chlorotoluene	12.77	91	674501	20.333	ug/l	87
79) tert-butylbenzene	12.99	119	801379	19.682	ug/l	93
80) 1,2,4-Trimethylbenzene	13.04	105	881655	19.925	ug/l	96
81) sec-Butylbenzene	13.17	105	1049841	19.710	ug/l	96
82) p-Isopropyltoluene	13.29	119	937600	19.672	ug/l	95
83) 1,3-Dichlorobenzene	13.28	146	511820	21.872	ug/l	98
84) 1,4-Dichlorobenzene	13.36	146	487827	22.144	ug/l	99
85) n-Butylbenzene	13.61	91	685126	19.062	ug/l	93
86) Hexachloroethane	13.87	117	131292	15.976	ug/l	96
87) 1,2-Dichlorobenzene	13.65	146	475453	20.987	ug/l	95
88) 1,2-Dibromo-3-Chloropropan	14.27	75	20651	13.078	ug/l #	63
89) 1,2,4-Trichlorobenzene	14.91	180	171158	19.174	ug/l	98
90) Hexachlorobutadiene	15.01	225	116481	15.954	ug/l	96
91) Naphthalene	15.13	128	301865	18.275	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	135784	13.174	ug/l	94

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Oct 12 10:23:44 2018
Response via : Initial Calibration

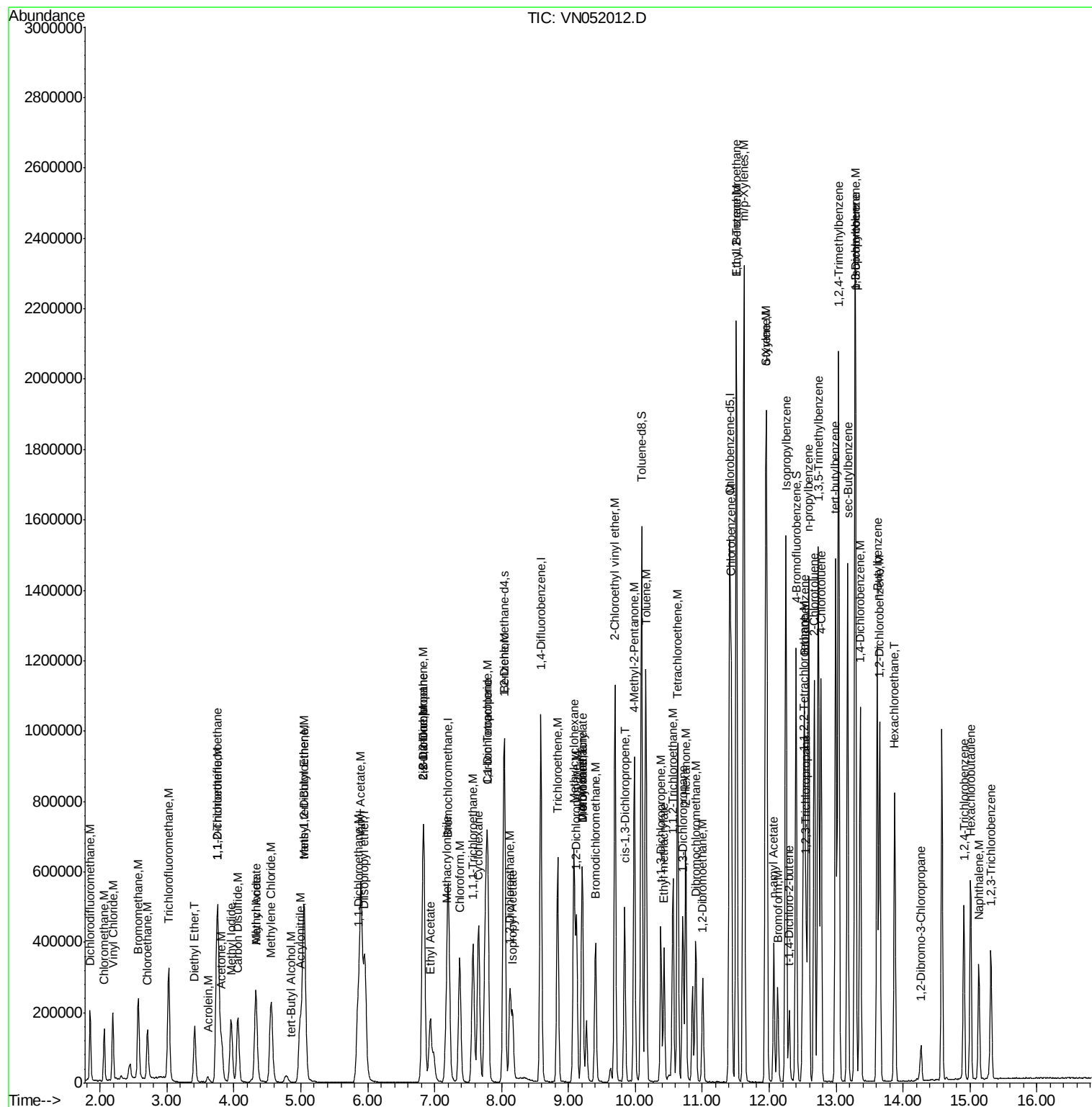
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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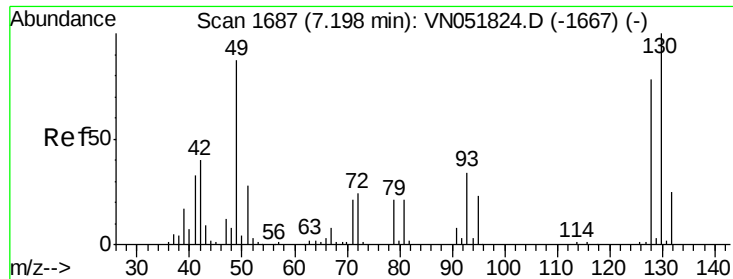
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 26 01:02:05 2018
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1688

Delta R.T. 0.00 min

Lab File: VN052012.D

Acq: 25 Oct 2018 15:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

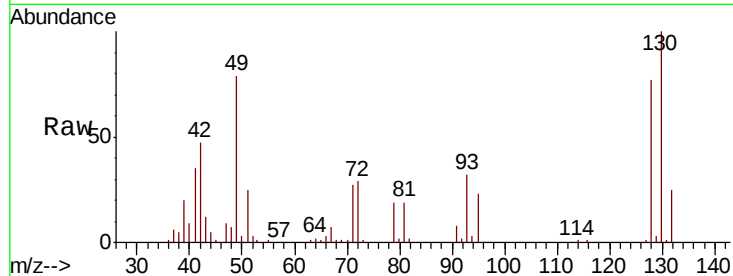
Tot Ion:128 Resp: 179708

Ion Ratio Lower Upper

128 100

49 102.9 0.0 403.3

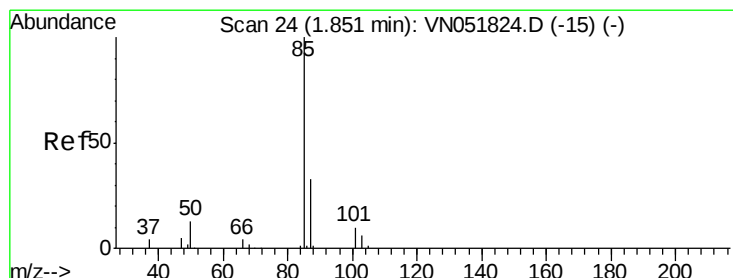
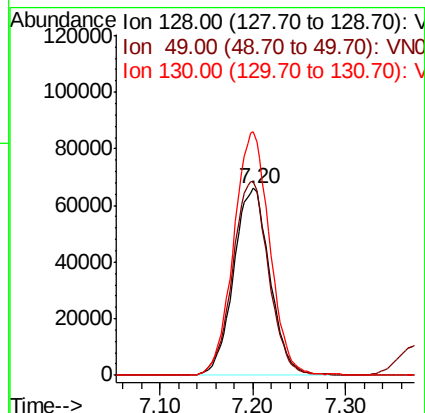
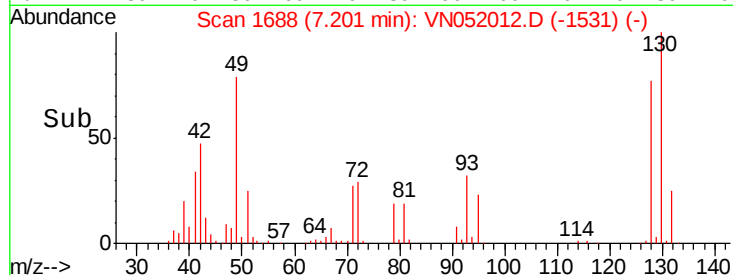
130 128.9 0.0 326.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VNO

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 21.465 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN052012.D

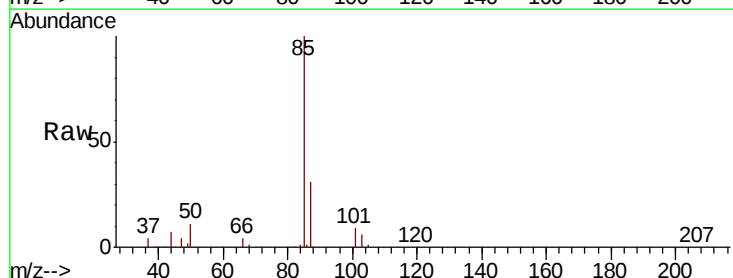
Acq: 25 Oct 2018 15:21

Tgt Ion: 85 Resp: 149861

Ion Ratio Lower Upper

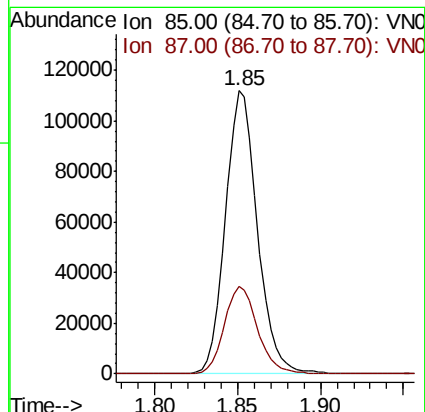
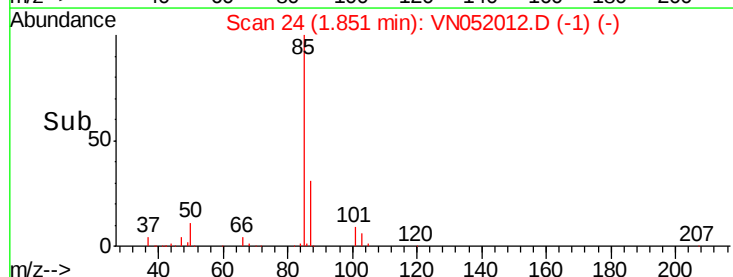
85 100

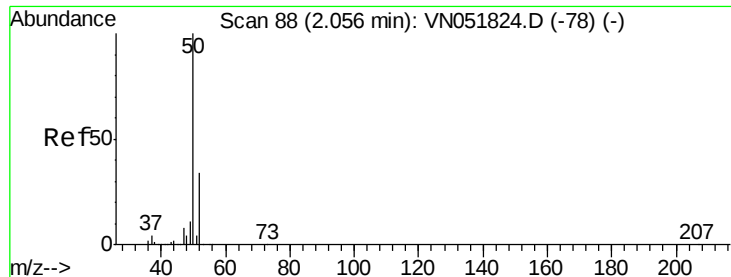
87 31.0 16.3 48.8



Abundance Ion 85.00 (84.70 to 85.70): VNO

Ion 87.00 (86.70 to 87.70): VNO





#3

Chloromethane

Concen: 18.207 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN052012.D

Acq: 25 Oct 2018 15:21

Instrument :

MSVOA_N

ClientSampleId :

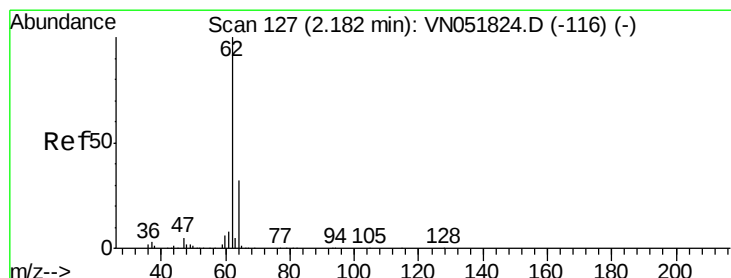
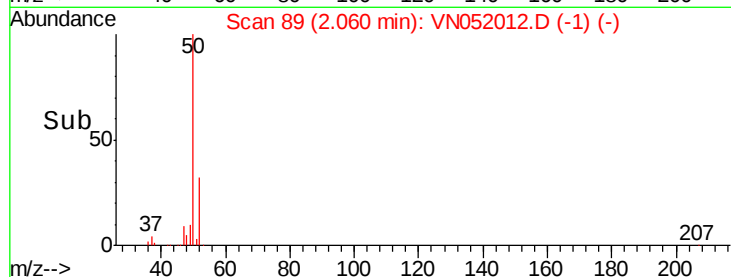
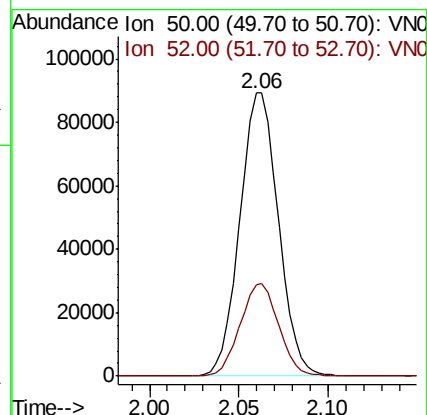
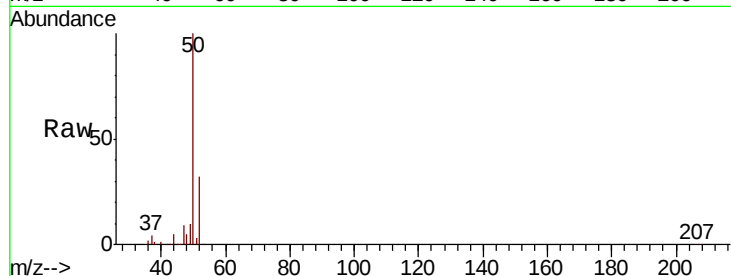
VSTDCCC020

Tot Ion: 50 Resp: 134348

Ion Ratio Lower Upper

50 100

52 32.5 27.2 40.8



#4

Vinyl Chloride

Concen: 15.182 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.01 min

Lab File: VN052012.D

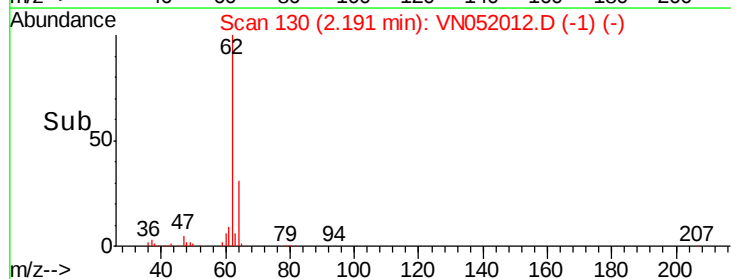
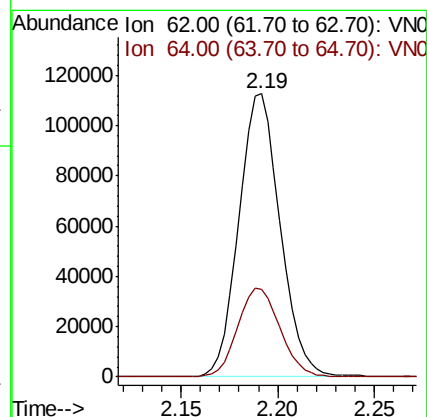
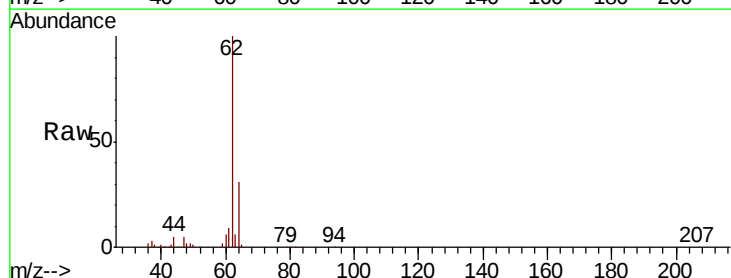
Acq: 25 Oct 2018 15:21

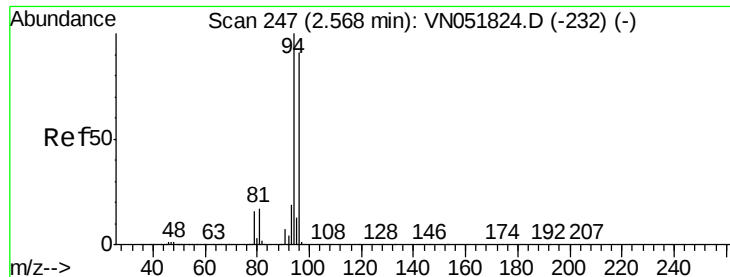
Tgt Ion: 62 Resp: 167288

Ion Ratio Lower Upper

62 100

64 31.1 25.4 38.2





#5

Bromomethane

Concen: 16.606 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.01 min

Lab File: VN052012.D

Acq: 25 Oct 2018 15:21

Instrument :

MSVOA_N

ClientSampleId :

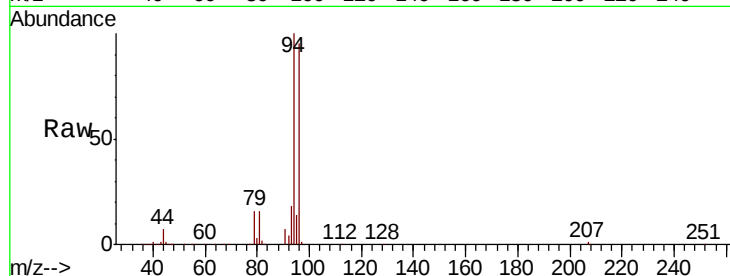
VSTDCCC020

Tot Ion: 94 Resp: 161674

Ion Ratio Lower Upper

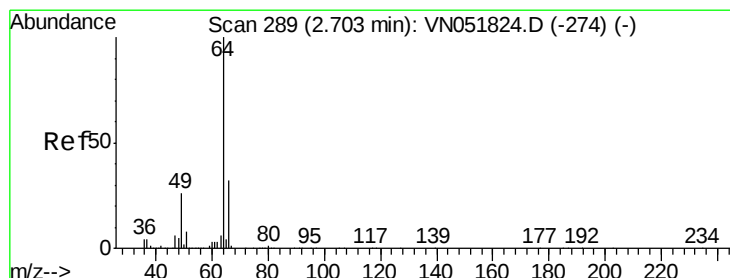
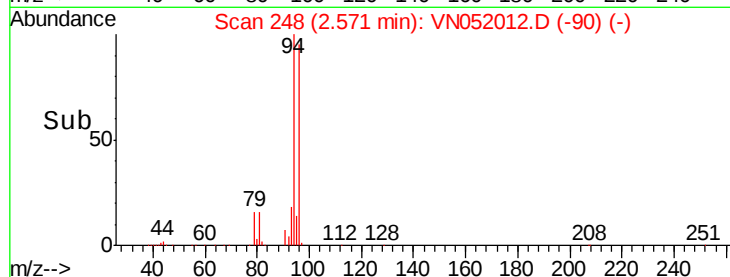
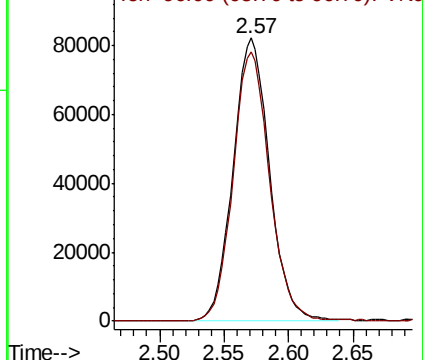
94 100

96 94.8 66.4 99.6



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 15.902 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.01 min

Lab File: VN052012.D

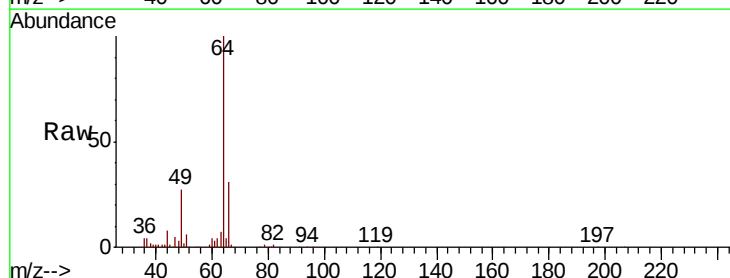
Acq: 25 Oct 2018 15:21

Tgt Ion: 64 Resp: 126280

Ion Ratio Lower Upper

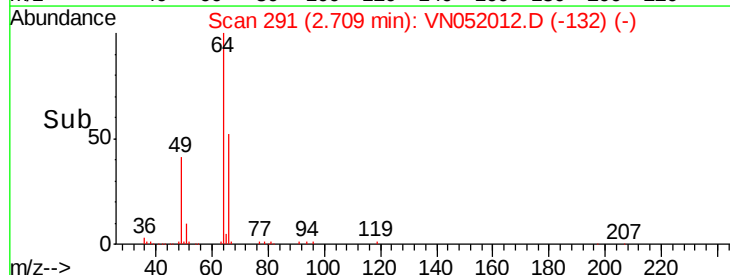
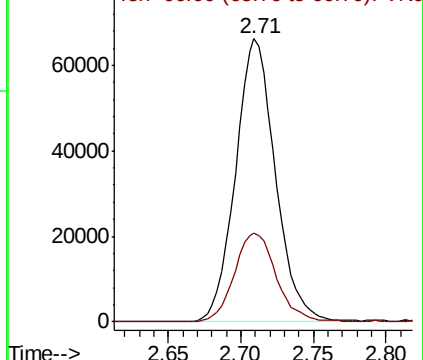
64 100

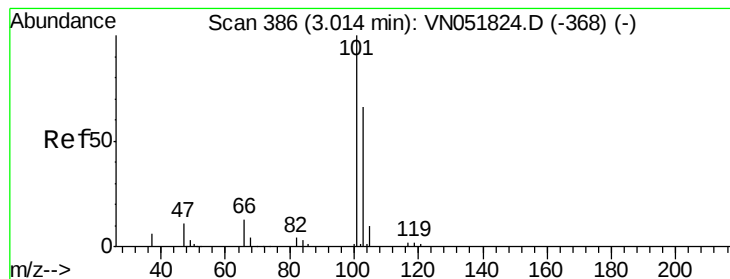
66 31.2 25.8 38.6



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0



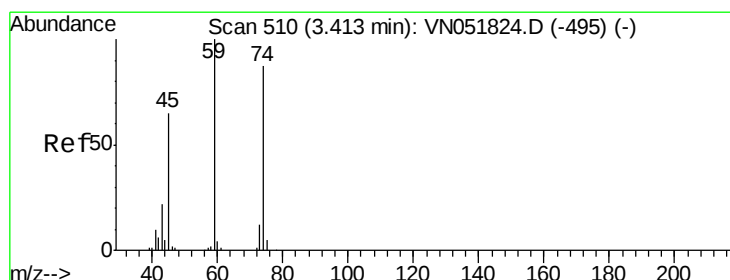
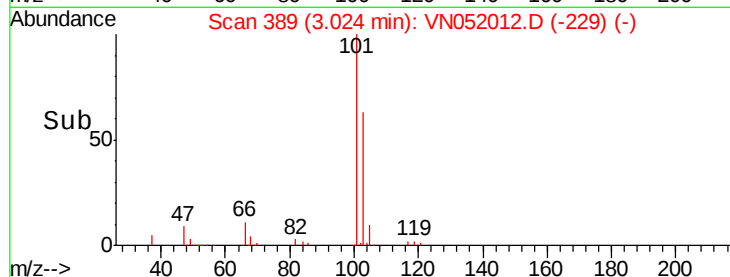
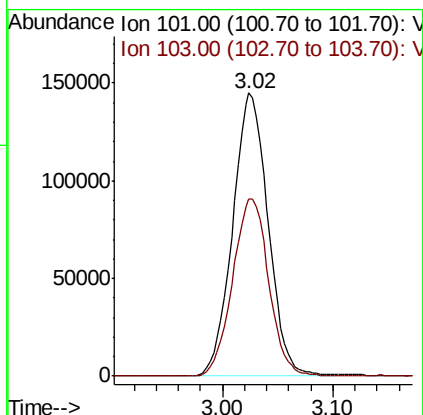
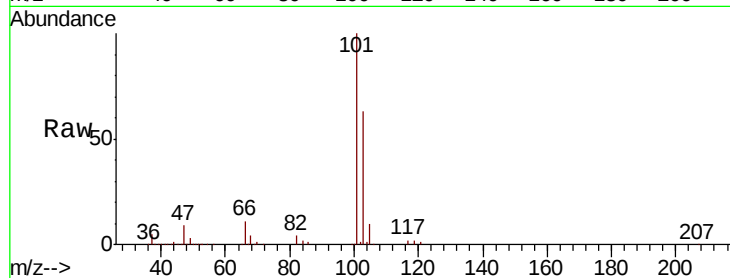


#7

Trichlorofluoromethane
 Concen: 20.521 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.01 min
 Lab File: VN052012.D
 Acq: 25 Oct 2018 15:21

Instrument :
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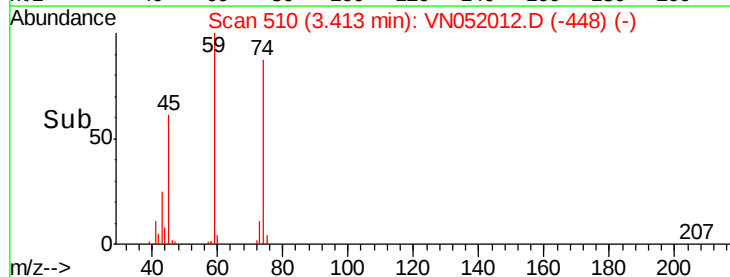
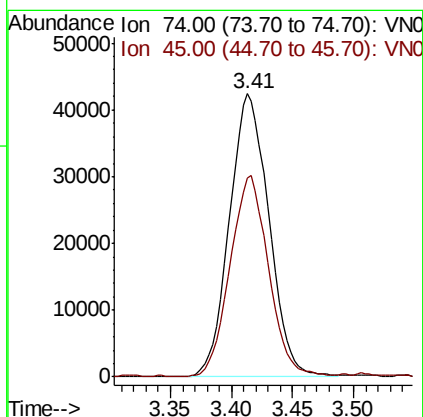
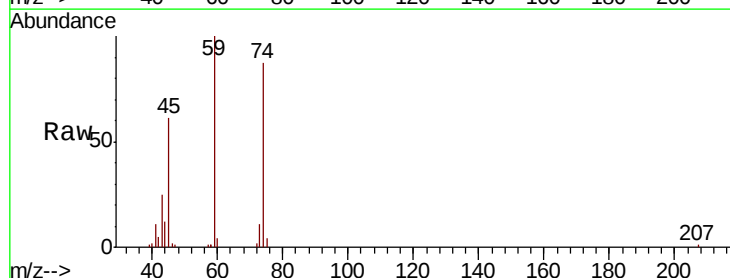
Tot Ion:101 Resp: 322387
 Ion Ratio Lower Upper
 101 100
 103 62.6 54.8 82.2

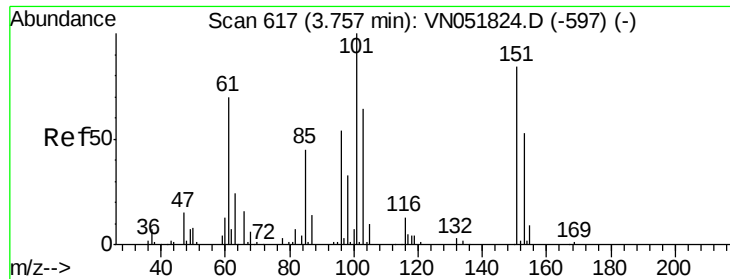


#8

Diethyl Ether
 Concen: 20.838 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN052012.D
 Acq: 25 Oct 2018 15:21

Tgt Ion: 74 Resp: 95301
 Ion Ratio Lower Upper
 74 100
 45 69.5 20.7 186.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.180 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.01 min

Lab File: VN052012.D

Acq: 25 Oct 2018 15:21

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VSTDCCC020

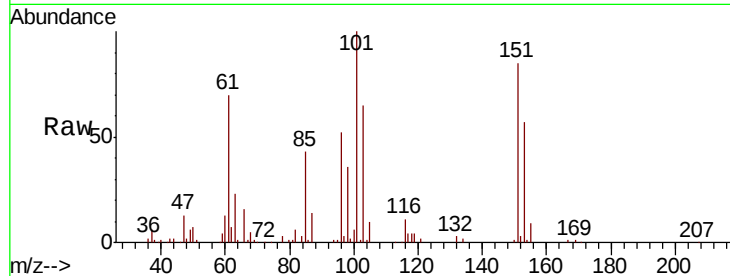
Tot Ion:101 Resp: 198436

Ion Ratio Lower Upper

101 100

85 43.1 0.0 46.0

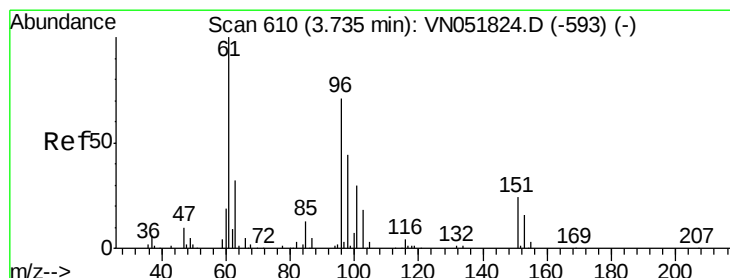
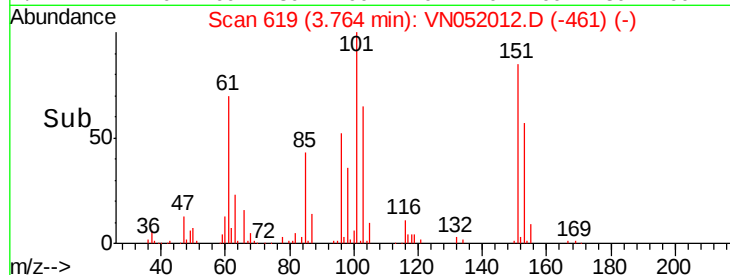
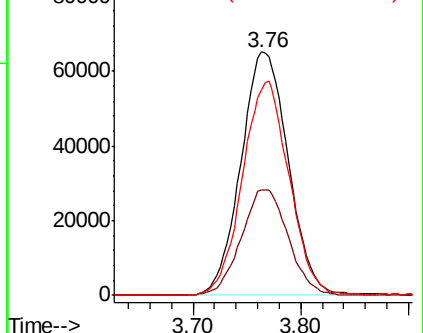
151 86.6 0.0 82.2#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VNO

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 21.502 ug/l

RT: 3.74 min Scan# 613

Delta R.T. 0.01 min

Lab File: VN052012.D

Acq: 25 Oct 2018 15:21

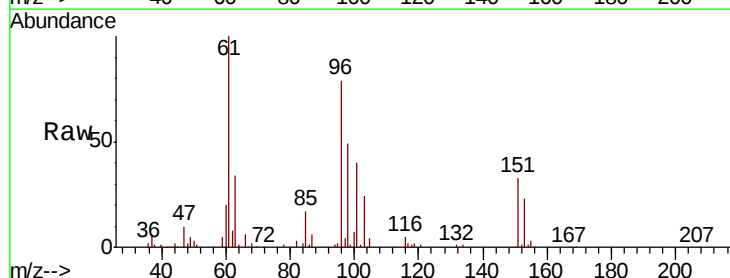
Tgt Ion: 96 Resp: 177910

Ion Ratio Lower Upper

96 100

61 125.8 133.0 199.6#

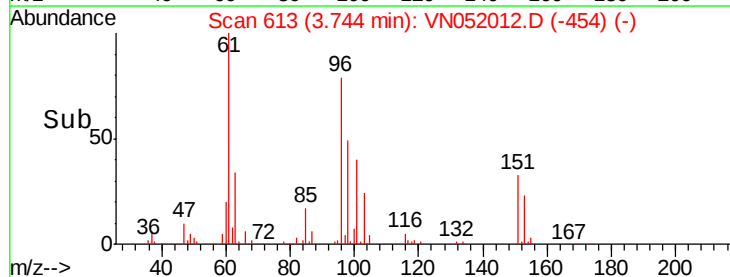
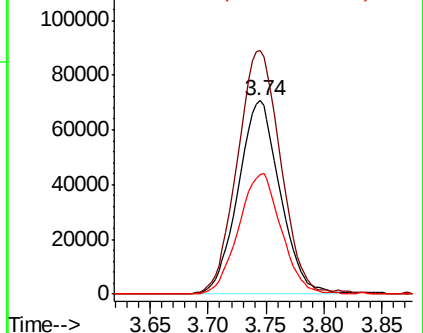
98 61.8 52.6 78.8

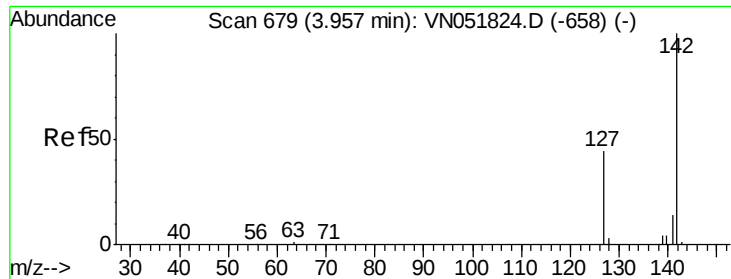


Abundance Ion 96.00 (95.70 to 96.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 98.00 (97.70 to 98.70): VNO

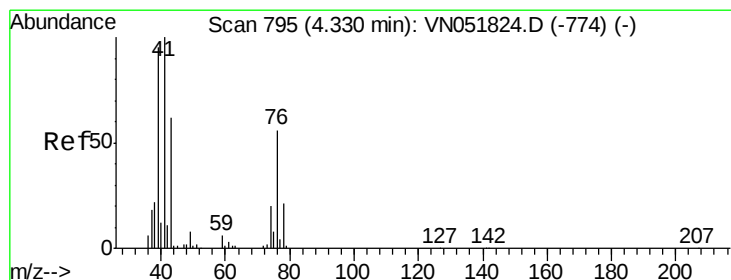
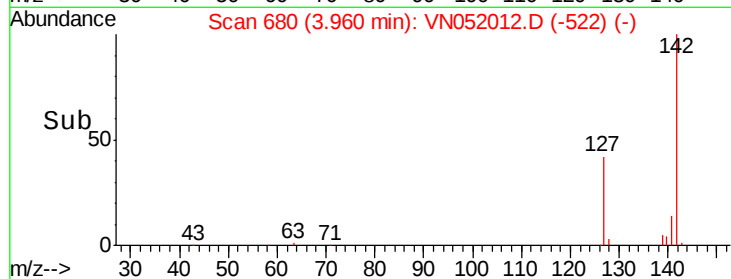
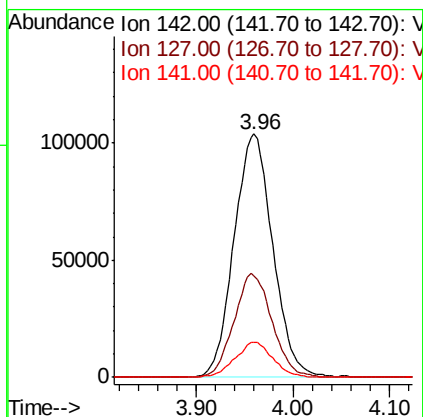
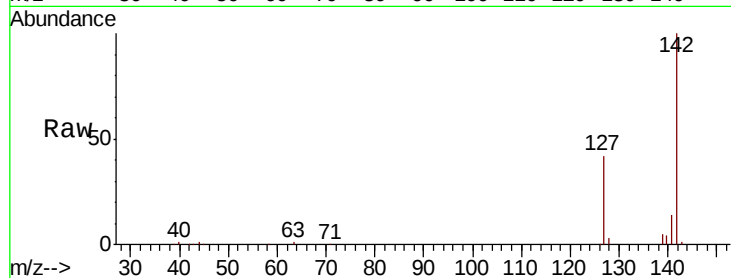




#11
Methyl Iodide
Concen: 24.047 ug/l
RT: 3.96 min Scan# 680
Delta R.T. 0.01 min
Lab File: VN052012.D
Acq: 25 Oct 2018 15:21

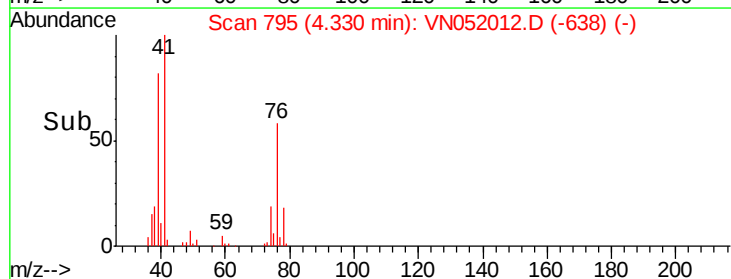
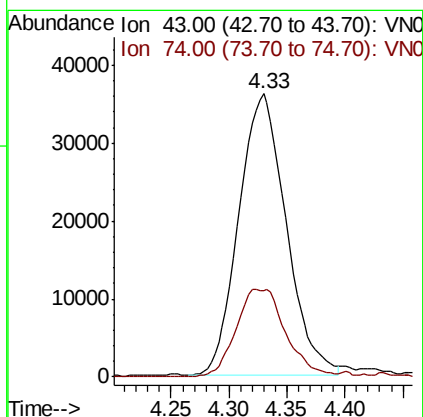
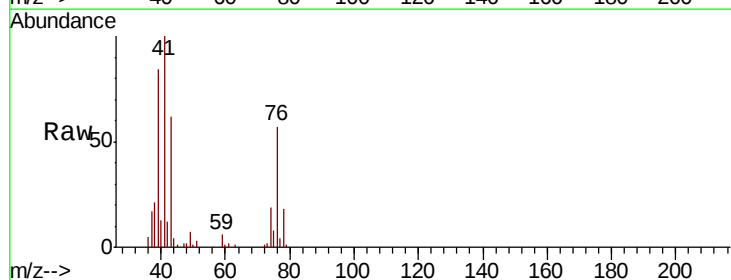
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

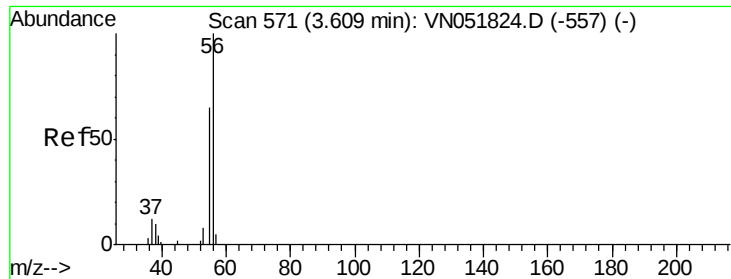
Tot Ion:142 Resp: 289237
Ion Ratio Lower Upper
142 100
127 41.8 19.7 59.0
141 14.4 6.3 18.9



#12
Methyl Acetate
Concen: 20.051 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN052012.D
Acq: 25 Oct 2018 15:21

Tgt Ion: 43 Resp: 103021
Ion Ratio Lower Upper
43 100
74 30.8 21.8 32.6





#13

Acrolein

Concen: 50.760 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN052012.D

Acq: 25 Oct 2018 15:21

Instrument :

MSVOA_N

ClientSampleId :

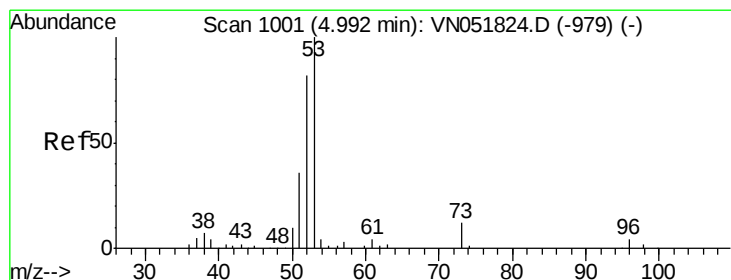
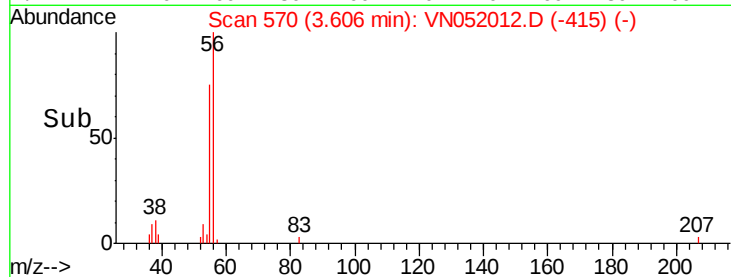
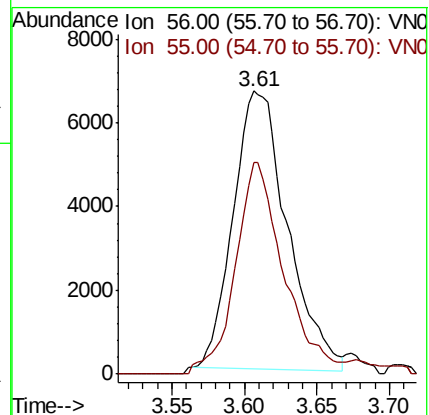
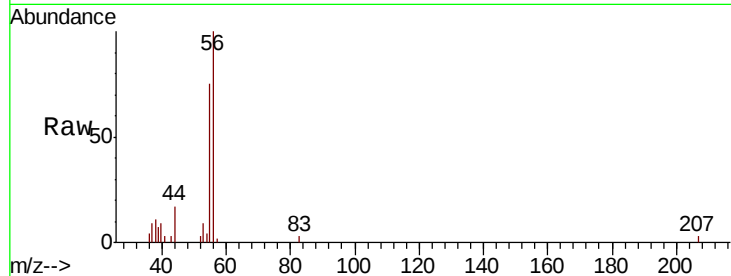
VSTDCCC020

Tot Ion: 56 Resp: 17183

Ion Ratio Lower Upper

56 100

55 68.0 64.0 96.0



#14

Acrylonitrile

Concen: 98.309 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VN052012.D

Acq: 25 Oct 2018 15:21

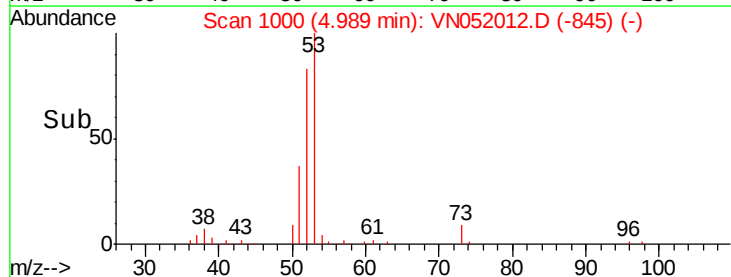
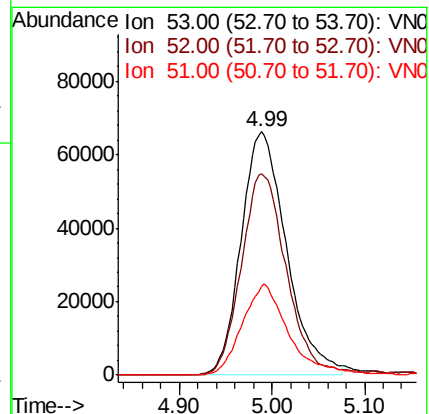
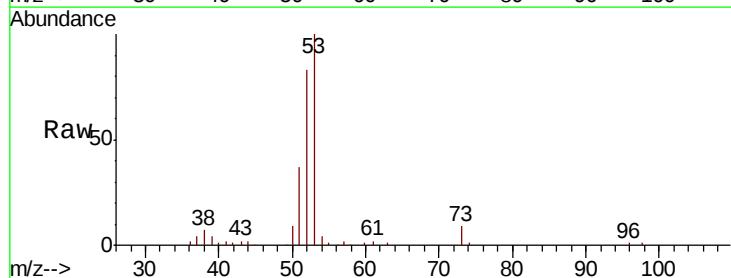
Tgt Ion: 53 Resp: 225746

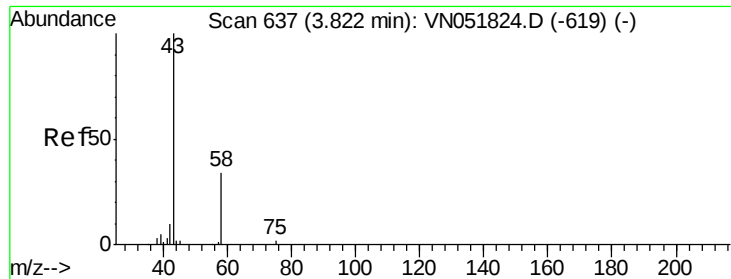
Ion Ratio Lower Upper

53 100

52 82.2 18.3 54.8#

51 38.1 19.7 59.1





#15

Acetone

Concen: 99.985 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.00 min

Lab File: VN052012.D

Acq: 25 Oct 2018 15:21

Instrument :

MSVOA_N

ClientSampleId :

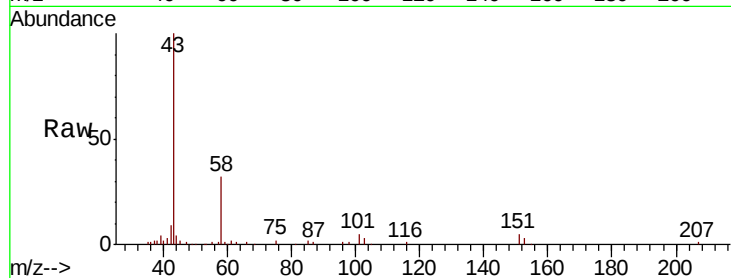
VSTDCCC020

Tot Ion: 58 Resp: 56756

Ion Ratio Lower Upper

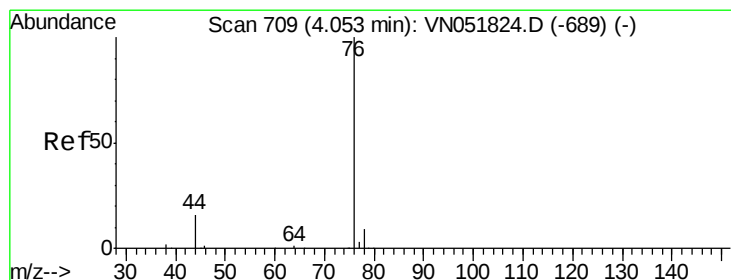
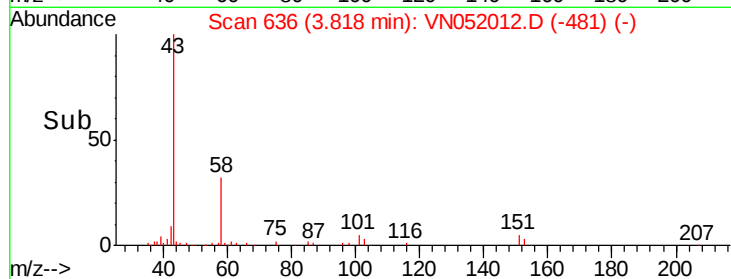
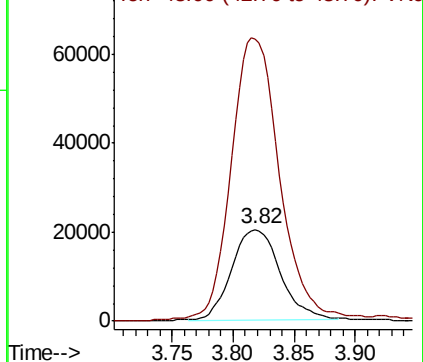
58 100

43 307.9 232.2 348.2



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 17.116 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.01 min

Lab File: VN052012.D

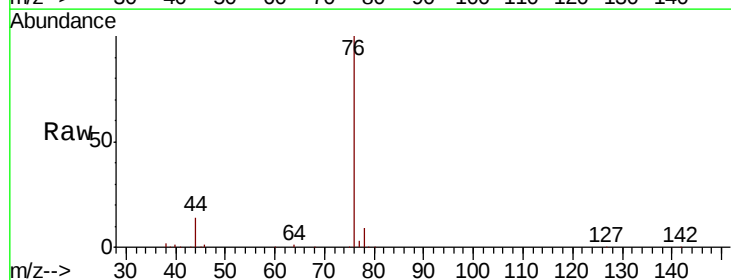
Acq: 25 Oct 2018 15:21

Tgt Ion: 76 Resp: 371921

Ion Ratio Lower Upper

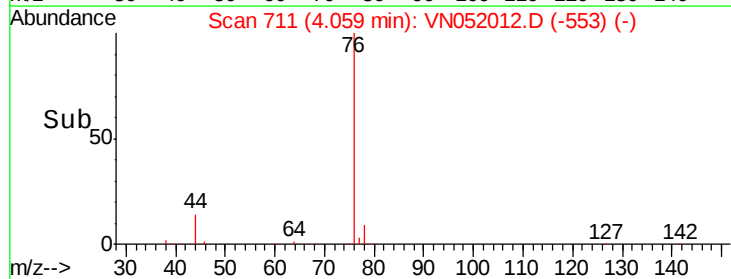
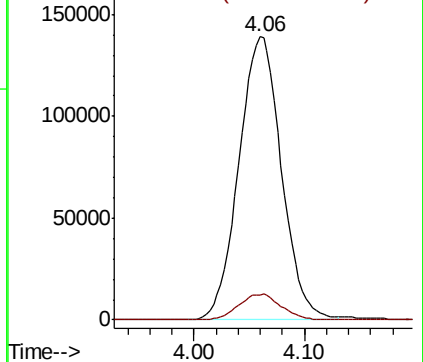
76 100

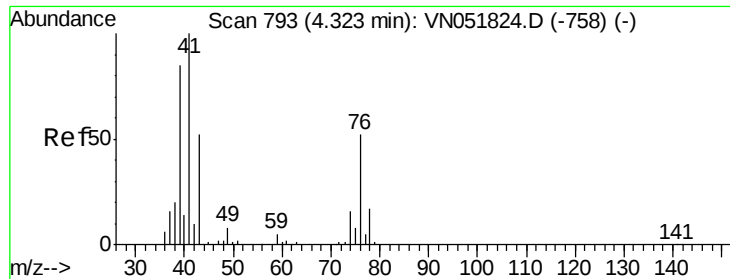
78 8.9 6.7 10.1



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0

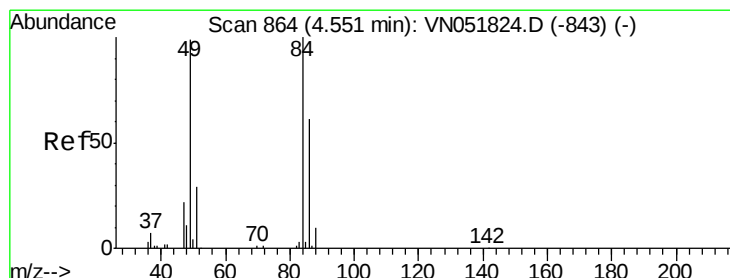
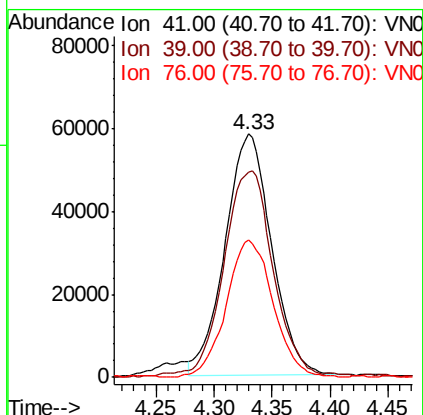
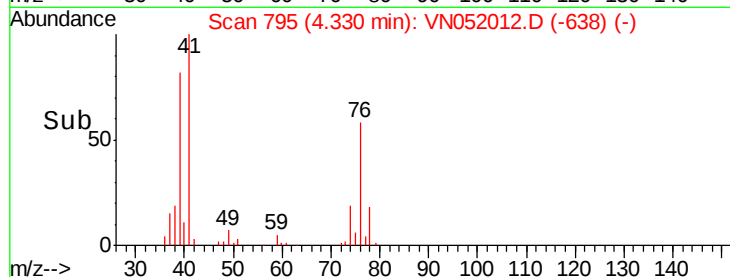
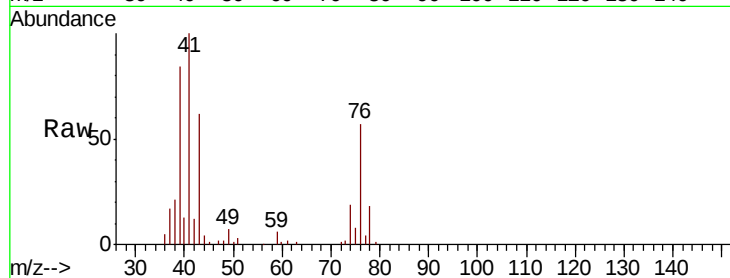




#17
Allvl chloride
Concen: 16.548 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN052012.D
Acq: 25 Oct 2018 15:21

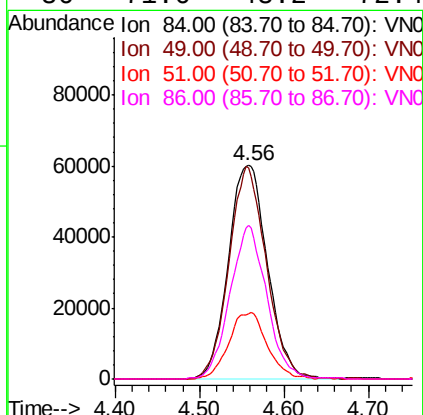
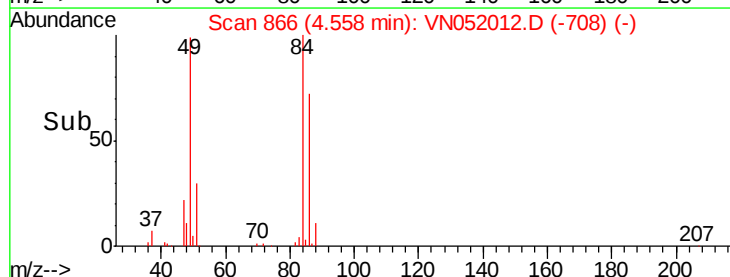
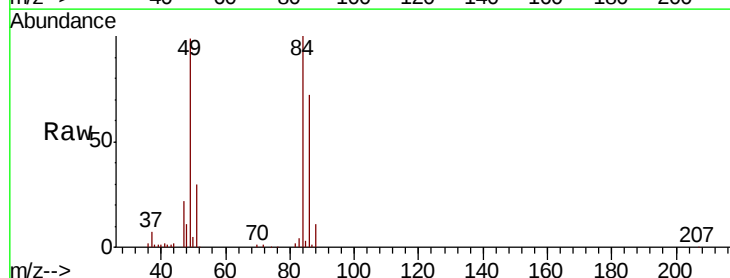
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

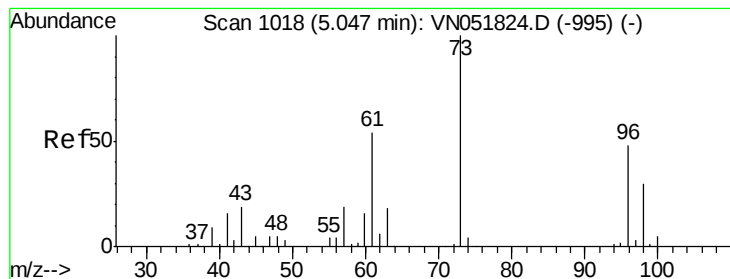
Tot Ion: 41 Resp: 162552
Ion Ratio Lower Upper
41 100
39 84.2 32.6 97.8
76 57.1 20.2 60.5



#18
Methylene Chloride
Concen: 21.048 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.01 min
Lab File: VN052012.D
Acq: 25 Oct 2018 15:21

Tgt Ion: 84 Resp: 194715
Ion Ratio Lower Upper
84 100
49 98.7 91.6 137.4
51 30.4 29.8 44.6
86 71.6 48.2 72.4





#19

trans-1,2-Dichloroethene

Concen: 21.304 ug/l

RT: 5.05 min Scan# 1019

Delta R.T. 0.01 min

Lab File: VN052012.D

Acq: 25 Oct 2018 15:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

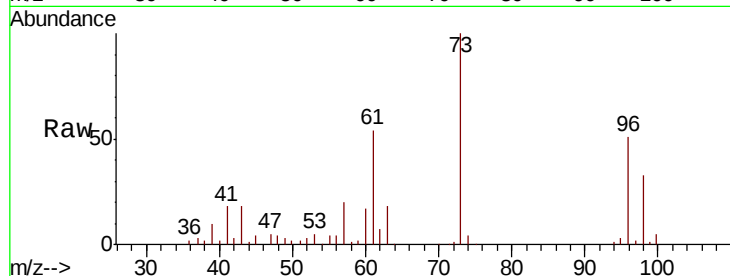
Tot Ion: 96 Resp: 201274

Ion Ratio Lower Upper

96 100

61 105.1 112.3 168.5#

98 64.4 47.1 70.7

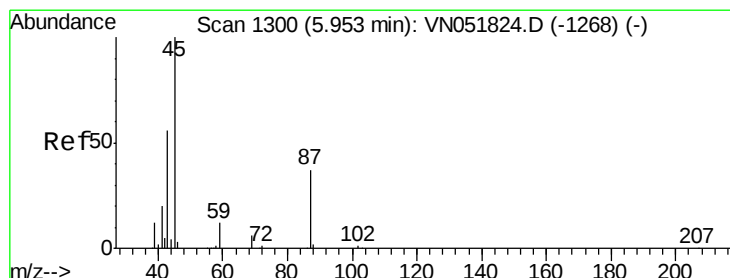
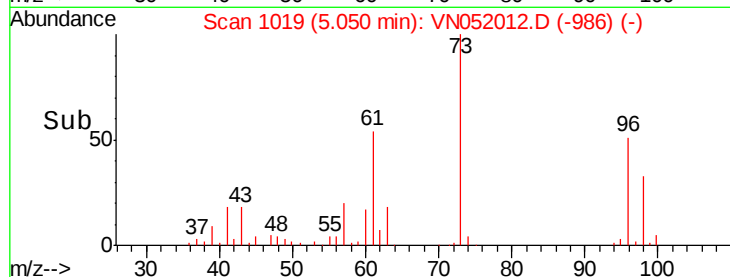
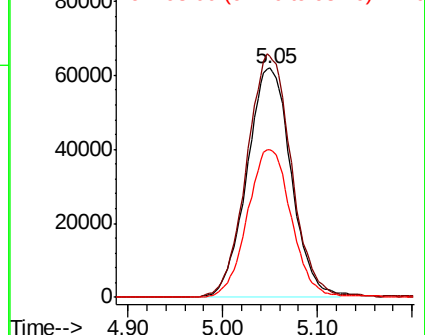


Abundance

Ion 96.00 (95.70 to 96.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 98.00 (97.70 to 98.70): VNO



#20

Diisopropyl ether

Concen: 19.326 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. -0.00 min

Lab File: VN052012.D

Acq: 25 Oct 2018 15:21

Tgt Ion: 45 Resp: 422795

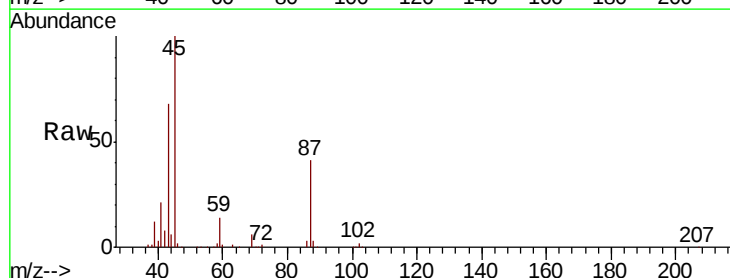
Ion Ratio Lower Upper

45 100

43 66.1 62.1 93.1

87 40.5 19.9 29.9#

59 13.9 9.8 14.6



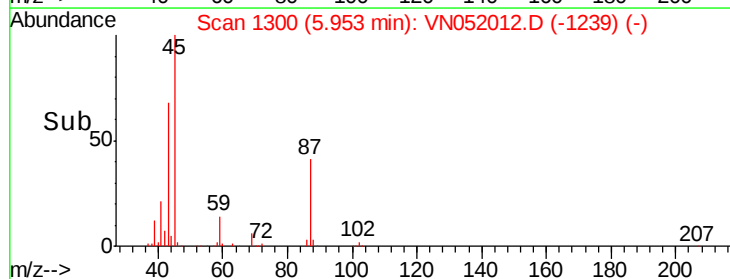
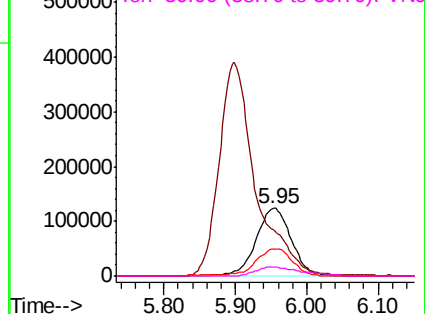
Abundance

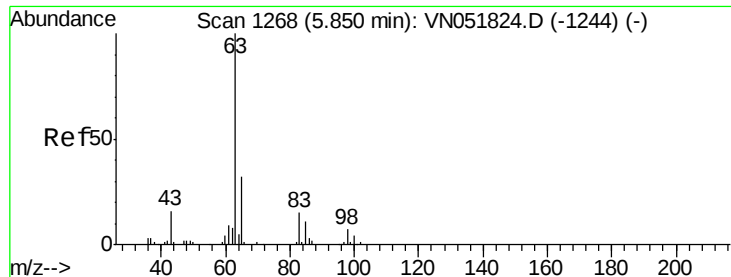
Ion 45.00 (44.70 to 45.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

Ion 59.00 (58.70 to 59.70): VNO





#21

1,1-Dichloroethane

Concen: 20.346 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VN052012.D

Acq: 25 Oct 2018 15:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

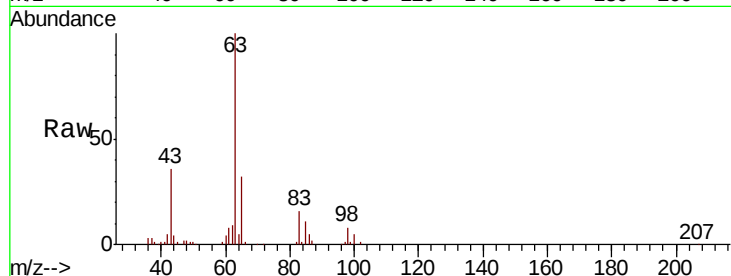
Tot Ion: 63 Resp: 311016

Ion Ratio Lower Upper

63 100

98 8.1 4.1 12.3

100 4.9 1.6 4.7#

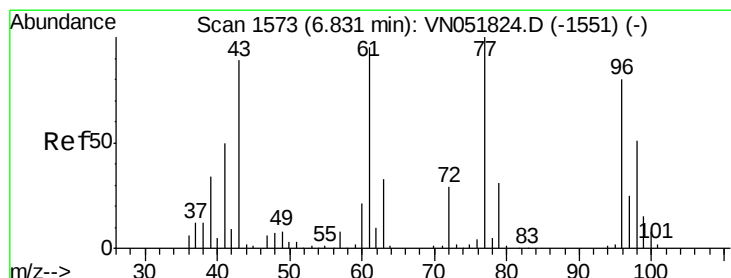
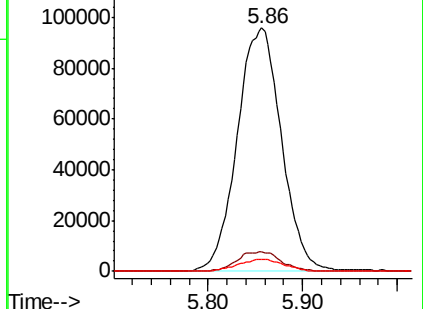
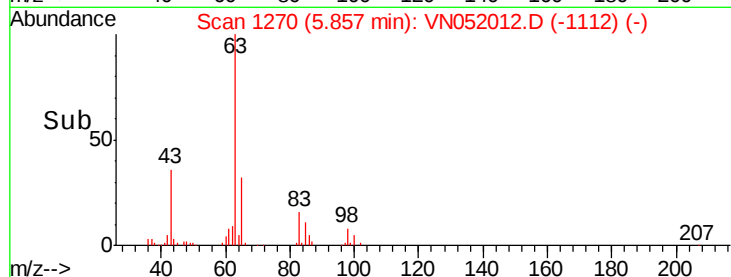


Abundance Ion 63.00 (62.70 to 63.70): VN051824.D (-1244) (-)

Ion 98.00 (97.70 to 98.70): VN051824.D (-1244) (-)

Ion 100.00 (99.70 to 100.70): VN051824.D (-1244) (-)

Time-->



#22

cis-1,2-Dichloroethene

Concen: 21.311 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN052012.D

Acq: 25 Oct 2018 15:21

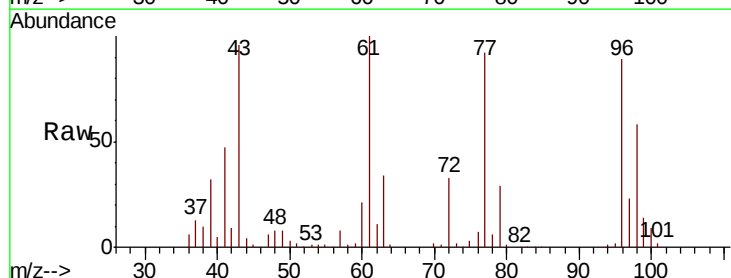
Tgt Ion: 96 Resp: 236481

Ion Ratio Lower Upper

96 100

61 114.5 124.5 186.7#

98 66.2 51.9 77.9

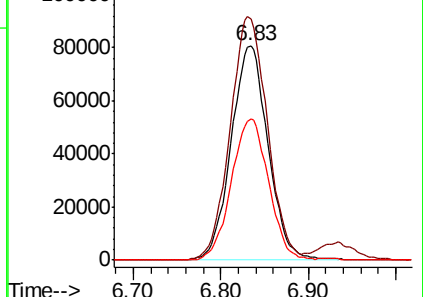
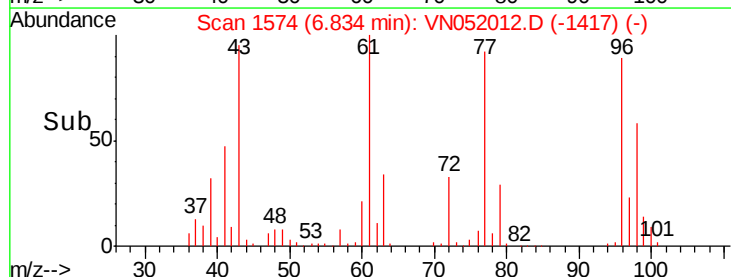


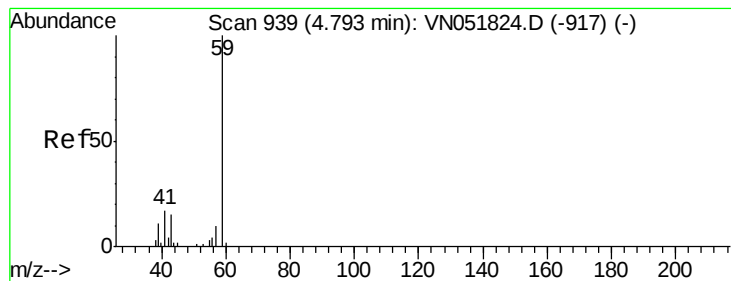
Abundance Ion 96.00 (95.70 to 96.70): VN051824.D (-1551) (-)

Ion 61.00 (60.70 to 61.70): VN051824.D (-1551) (-)

Ion 98.00 (97.70 to 98.70): VN051824.D (-1551) (-)

Time-->





#23

tert-Butyl Alcohol

Concen: 0.853 ug/l

RT: 4.86 min Scan# 959

Delta R.T. 0.07 min

Lab File: VN052012.D

Acq: 25 Oct 2018 15:21

Instrument :

MSVOA_N

ClientSampleId :

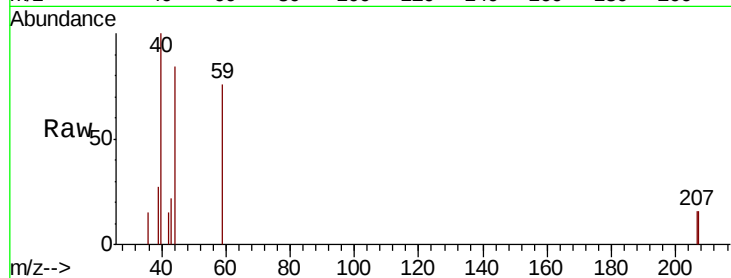
VSTDCCC020

Tot Ion: 59 Resp: 516

Ion Ratio Lower Upper

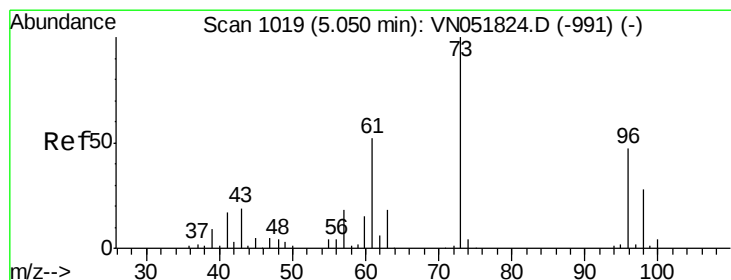
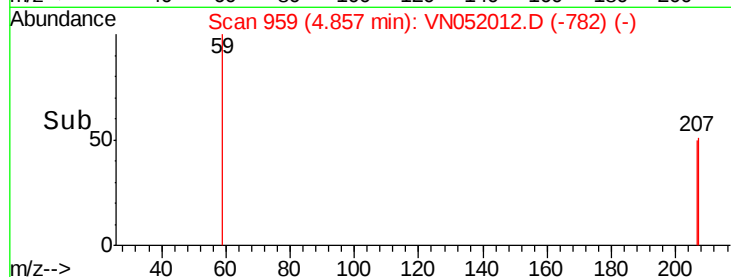
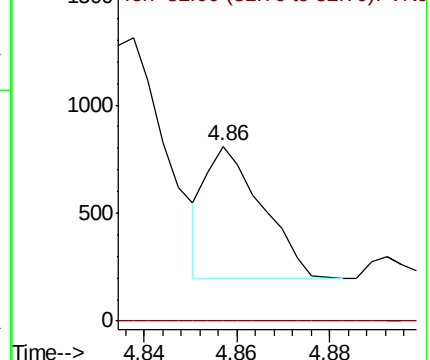
59 100

52 0.0 0.0 0.0



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#24

Methyl tert-Butyl Ether

Concen: 19.093 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VN052012.D

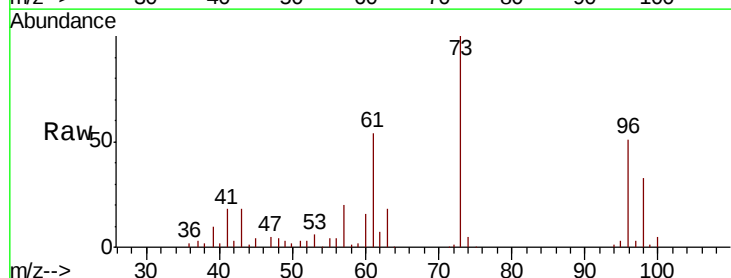
Acq: 25 Oct 2018 15:21

Tgt Ion: 73 Resp: 455141

Ion Ratio Lower Upper

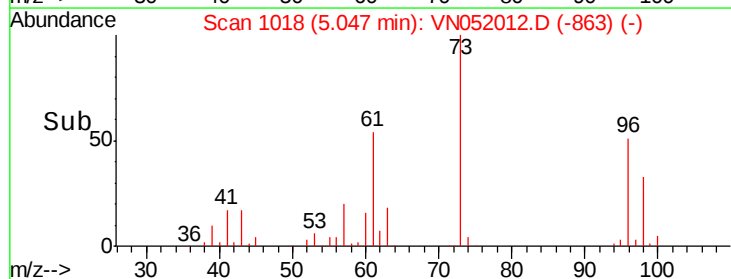
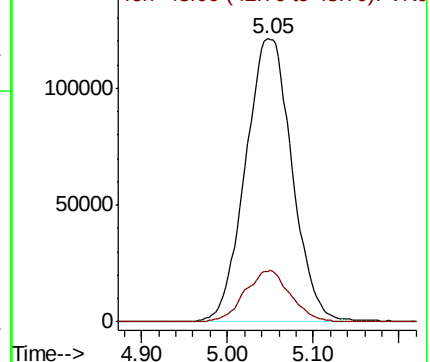
73 100

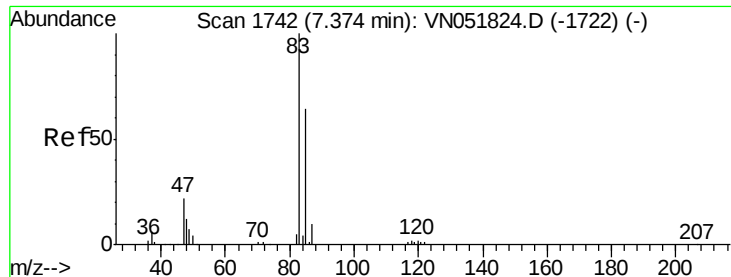
43 17.8 5.4 8.0#



Abundance Ion 73.00 (72.70 to 73.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

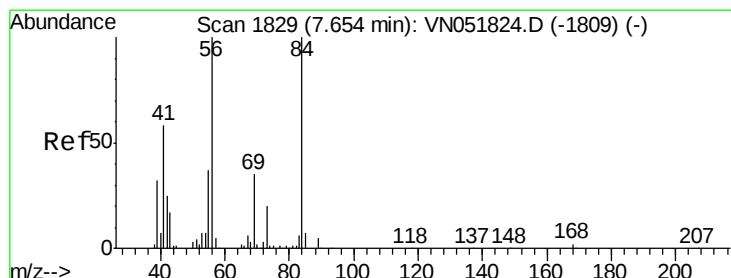
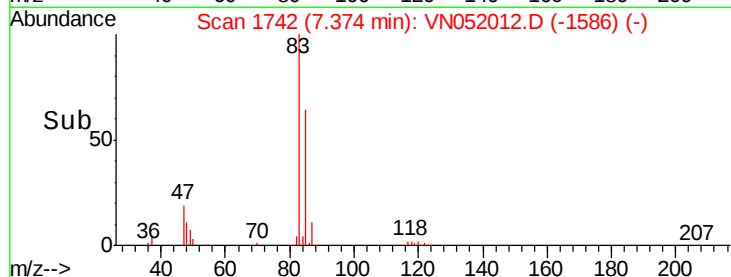
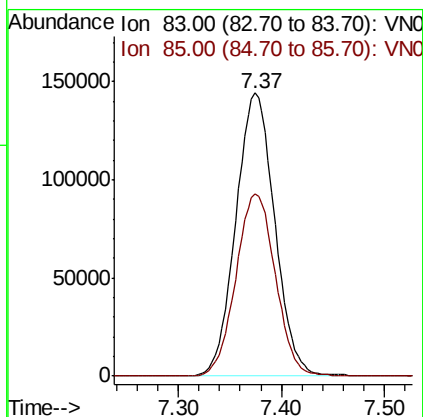
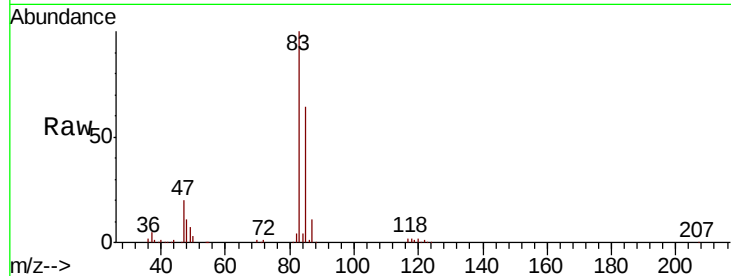




#25
Chloroform
Concen: 20.849 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN052012.D
Acq: 25 Oct 2018 15:21

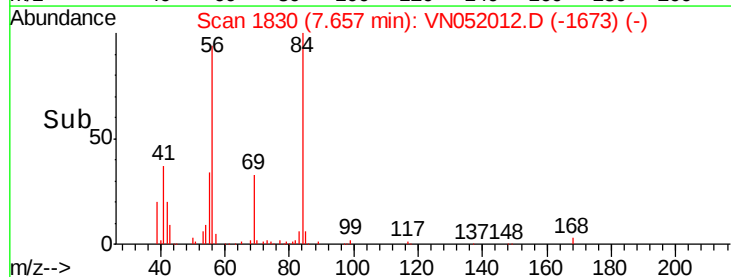
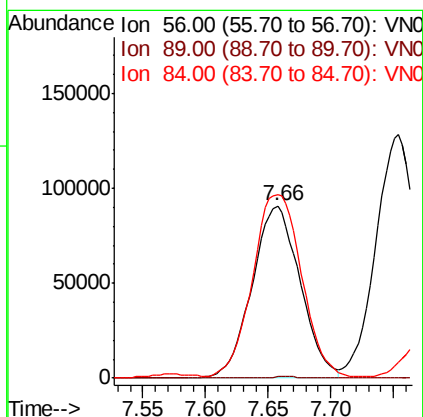
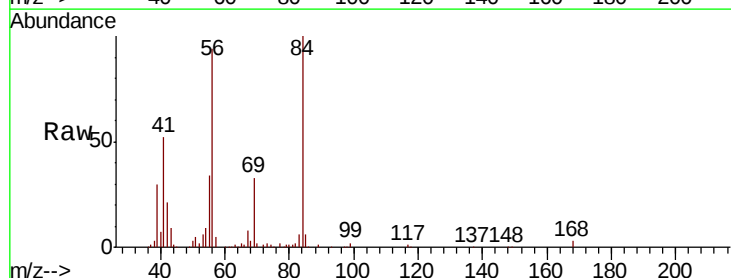
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

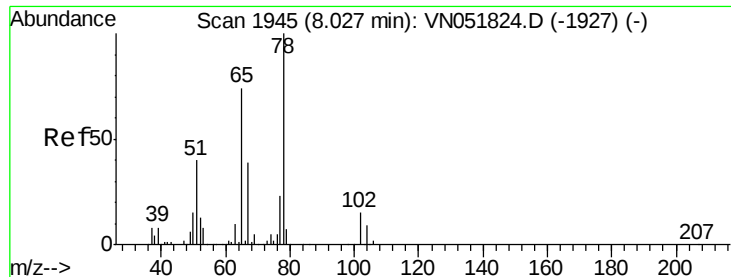
Tot Ion: 83 Resp: 378098
Ion Ratio Lower Upper
83 100
85 64.3 54.6 82.0



#26
Cyclohexane
Concen: 18.648 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN052012.D
Acq: 25 Oct 2018 15:21

Tgt Ion: 56 Resp: 241668
Ion Ratio Lower Upper
56 100
89 0.5 1.5 2.3#
84 110.0 64.2 96.4#





#27

1,2-Dichloroethane-d4

Concen: 18.648 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN052012.D

Acq: 25 Oct 2018 15:21

Instrument :

MSVOA_N

ClientSampleId :

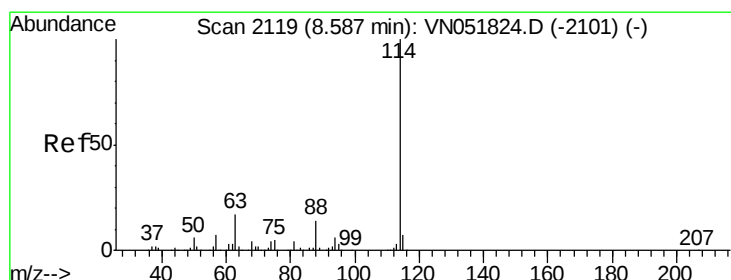
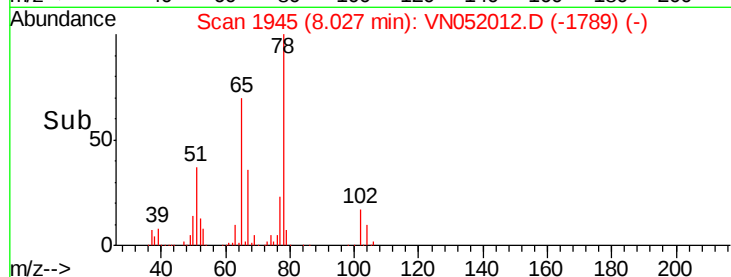
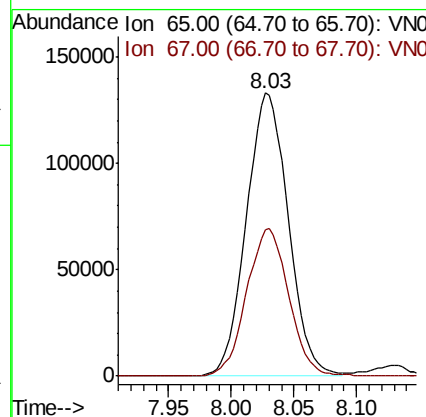
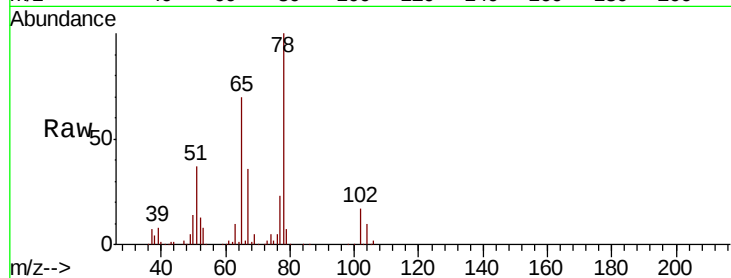
VSTDCCC020

Tot Ion: 65 Resp: 310299

Ion Ratio Lower Upper

65 100

67 52.1 41.8 62.8



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN052012.D

Acq: 25 Oct 2018 15:21

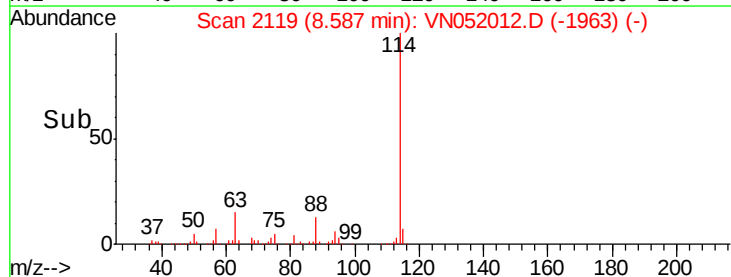
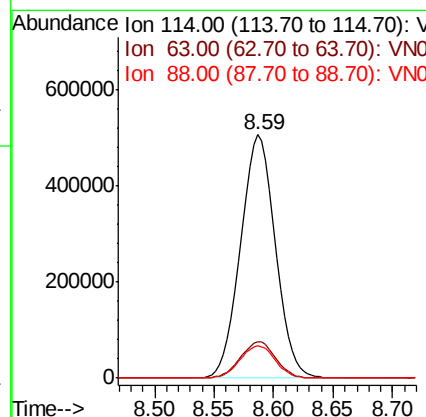
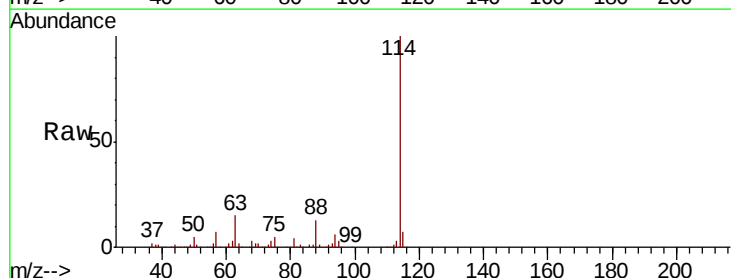
Tgt Ion: 114 Resp: 1025671

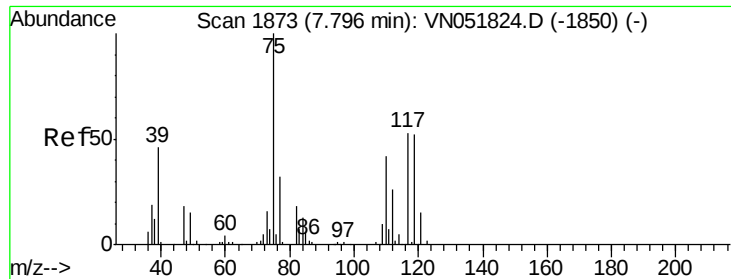
Ion Ratio Lower Upper

114 100

63 15.1 16.2 24.2#

88 13.6 12.2 18.4

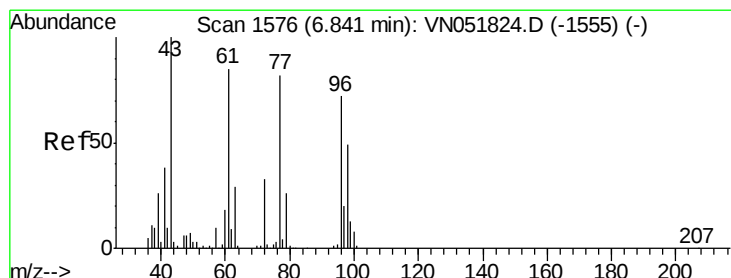
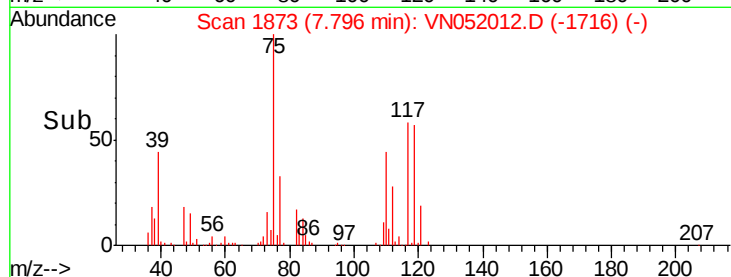
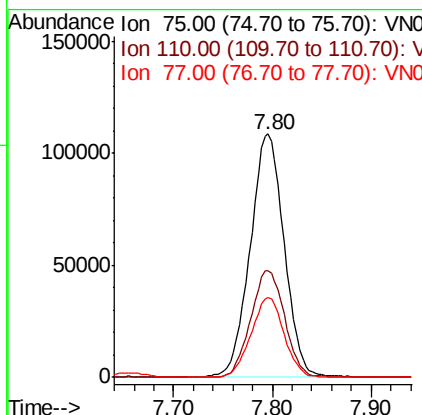
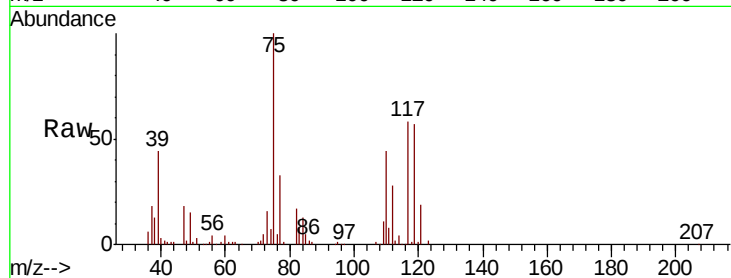




#29
 1,1-Dichloropropene
 Concen: 19.561 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN052012.D
 Acq: 25 Oct 2018 15:21

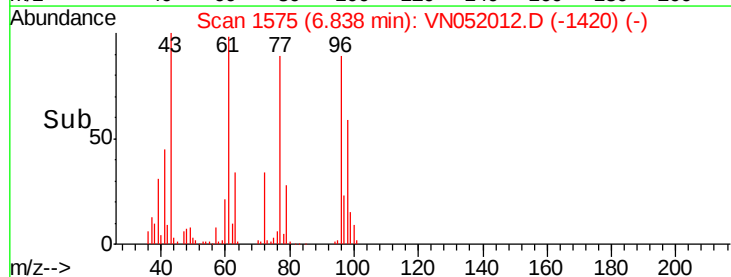
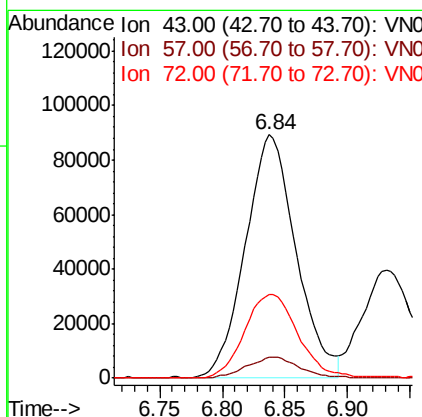
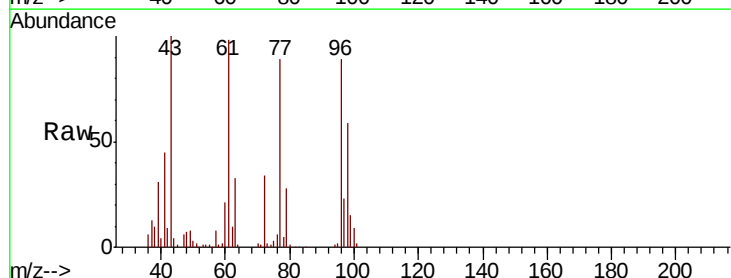
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

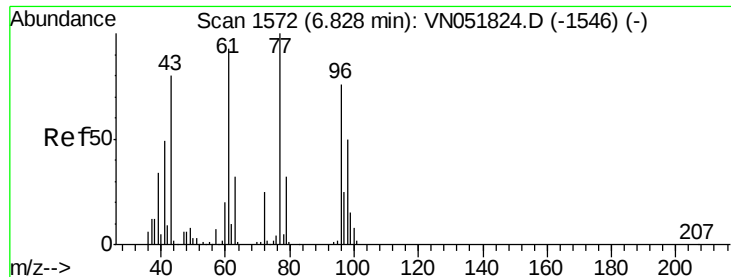
Tot Ion	Ratio	Lower	Upper
75	100		
110	43.8	0.0	70.8
77	32.2	0.0	61.6



#30
 2-Butanone
 Concen: 90.493 ug/l
 RT: 6.84 min Scan# 1575
 Delta R.T. -0.00 min
 Lab File: VN052012.D
 Acq: 25 Oct 2018 15:21

Tgt Ion	Ratio	Lower	Upper
43	100		
57	9.0	4.5	6.7#
72	36.2	21.5	32.3#

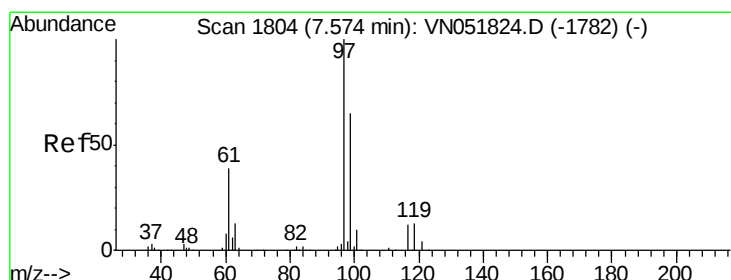
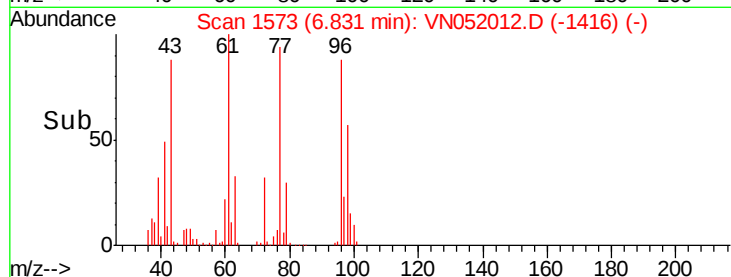
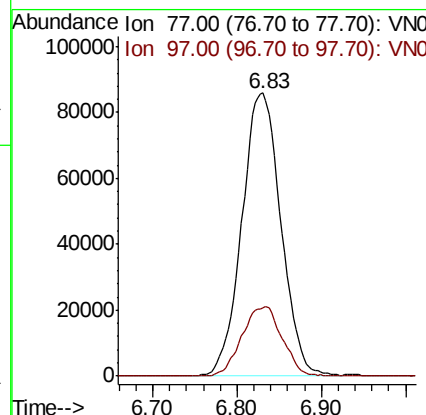
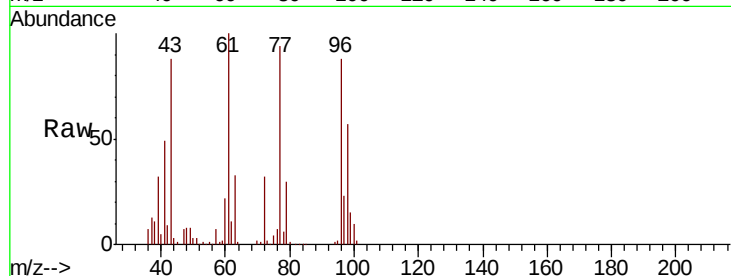




#31
 2,2-Dichloropropane
 Concen: 17.773 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN052012.D
 Acq: 25 Oct 2018 15:21

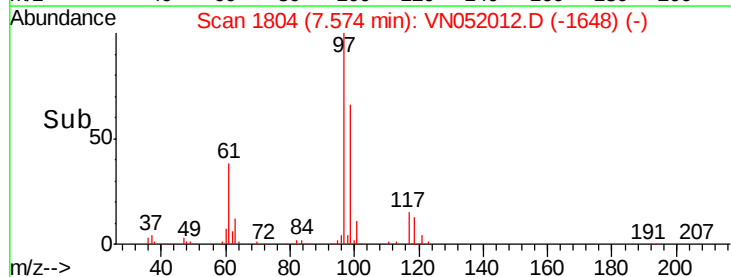
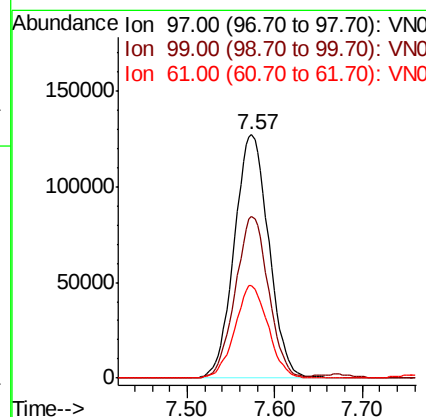
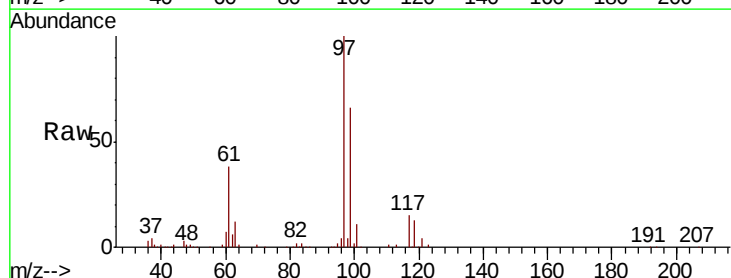
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

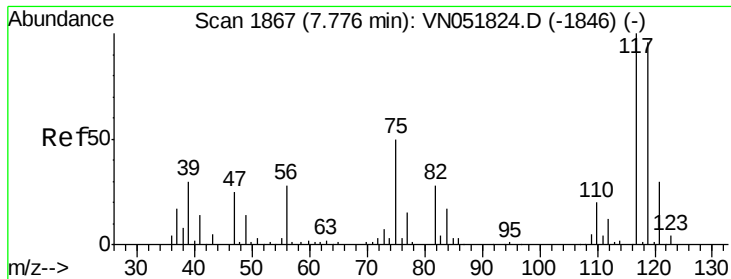
Tot Ion: 77 Resp: 276426
 Ion Ratio Lower Upper
 77 100
 97 25.3 12.0 18.0#



#32
 1,1,1-Trichloroethane
 Concen: 19.842 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN052012.D
 Acq: 25 Oct 2018 15:21

Tgt Ion: 97 Resp: 347799
 Ion Ratio Lower Upper
 97 100
 99 63.9 51.6 77.4
 61 36.5 37.4 56.0#

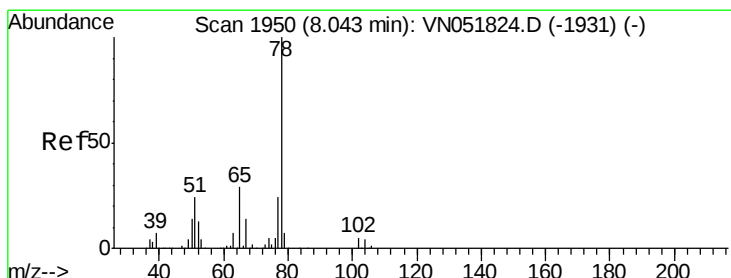
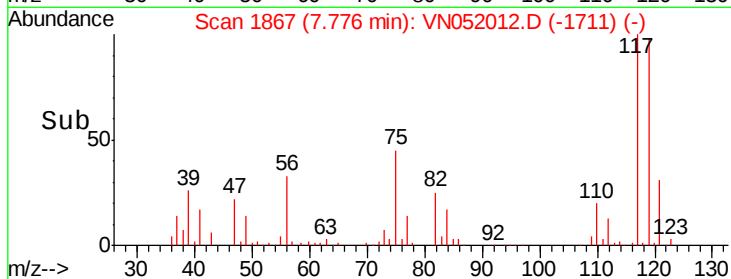
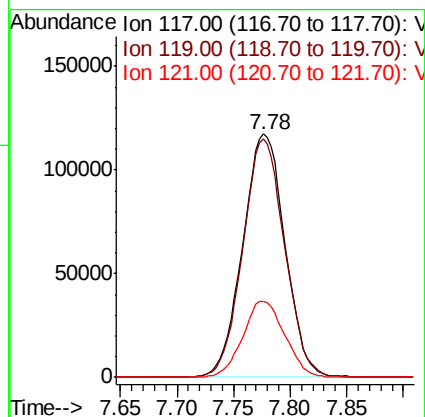
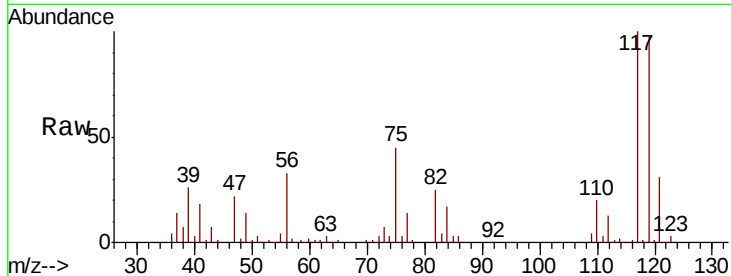




#33
Carbon Tetrachloride
Concen: 19.284 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN052012.D
Acq: 25 Oct 2018 15:21

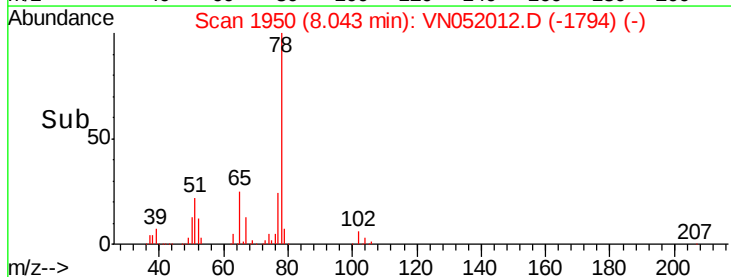
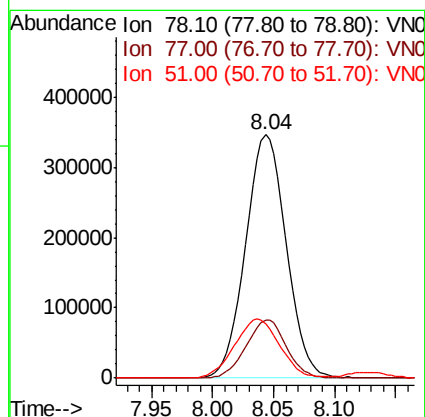
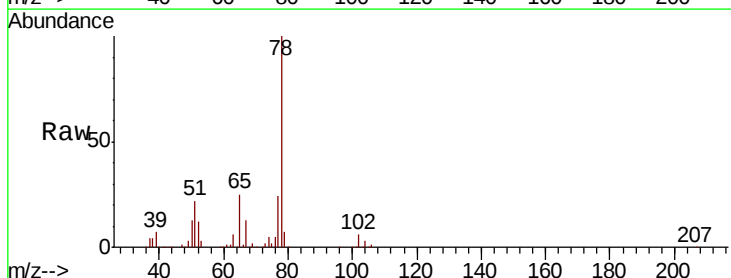
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

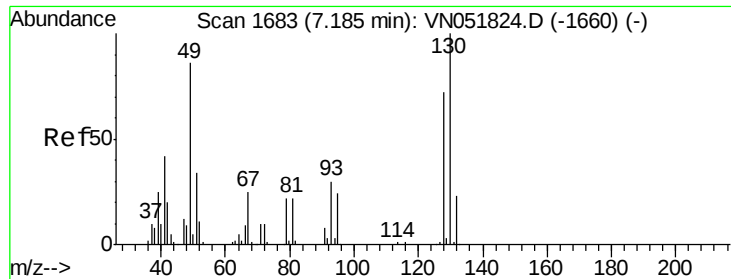
Tot Ion:117 Resp: 305809
Ion Ratio Lower Upper
117 100
119 97.7 85.1 127.7
121 31.2 24.2 36.2



#34
Benzene
Concen: 20.444 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN052012.D
Acq: 25 Oct 2018 15:21

Tgt Ion: 78 Resp: 799509
Ion Ratio Lower Upper
78 100
77 23.7 18.8 28.2
51 22.0 46.2 69.4#

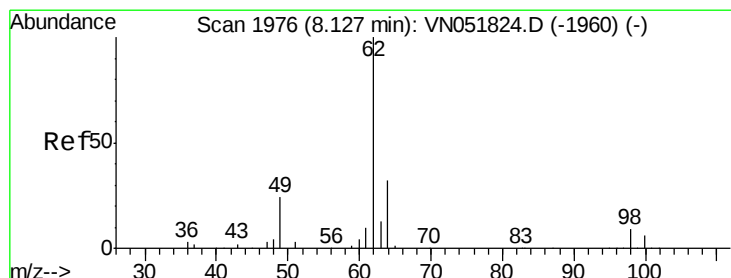
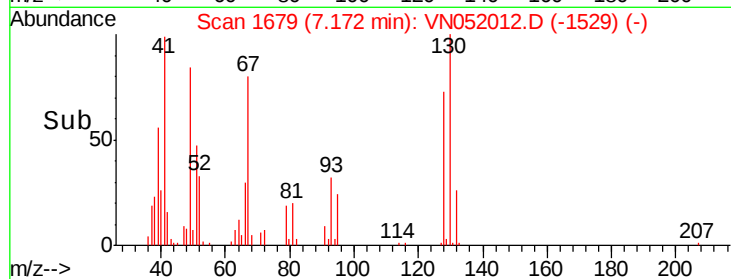
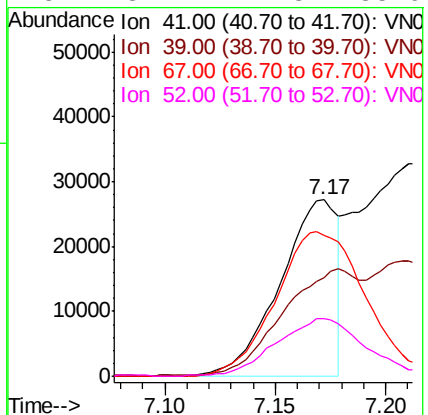
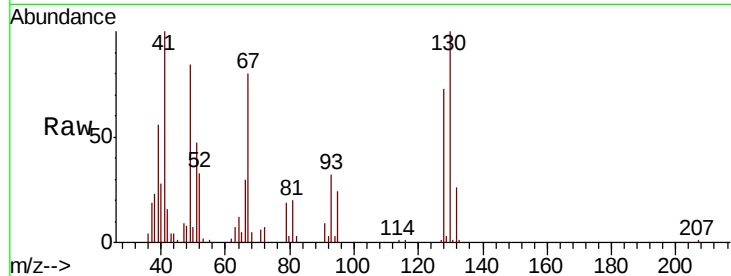




#35
Methacrylonitrile
Concen: 13.547 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.02 min
Lab File: VN052012.D
Acq: 25 Oct 2018 15:21

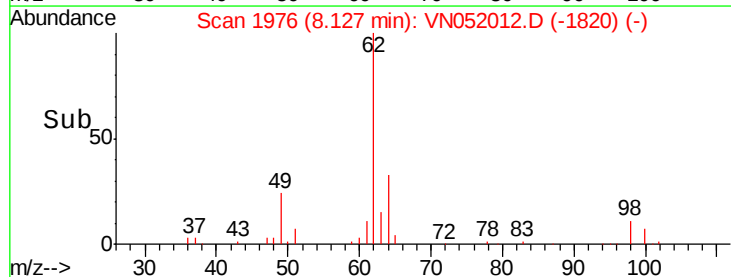
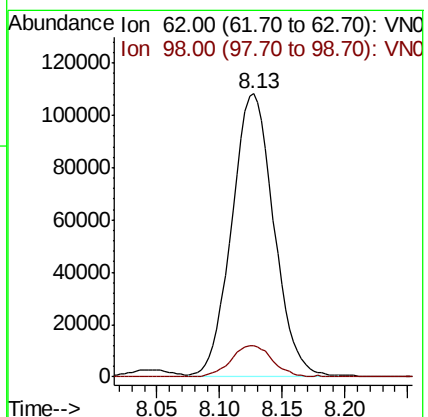
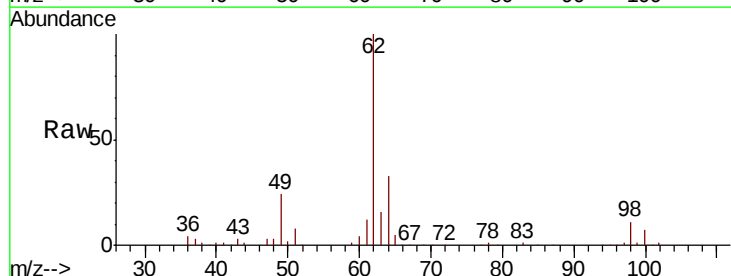
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

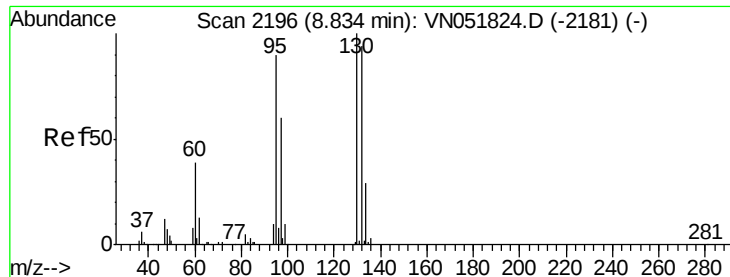
Tot Ion: 41 Resp: 49182
Ion Ratio Lower Upper
41 100
39 55.2 22.6 67.7
67 80.2 28.9 86.8
52 32.4 11.3 33.9



#36
1,2-Dichloroethane
Concen: 20.223 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN052012.D
Acq: 25 Oct 2018 15:21

Tgt Ion: 62 Resp: 253414
Ion Ratio Lower Upper
62 100
98 10.8 6.9 10.3#





#37

Trichloroethene

Concen: 20.796 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN052012.D

Acq: 25 Oct 2018 15:21

Instrument :

MSVOA_N

ClientSampled :

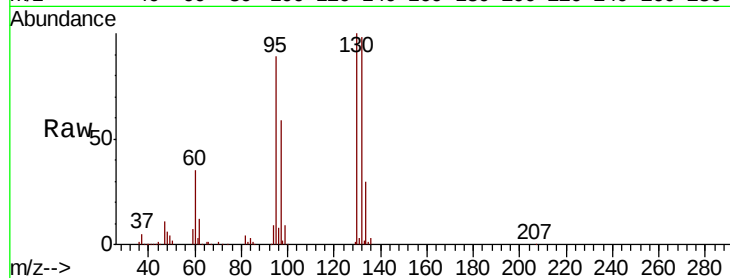
VSTDCCC020

Tot Ion:130 Resp: 252461

Ion Ratio Lower Upper

130 100

95 88.6 76.4 114.6



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN

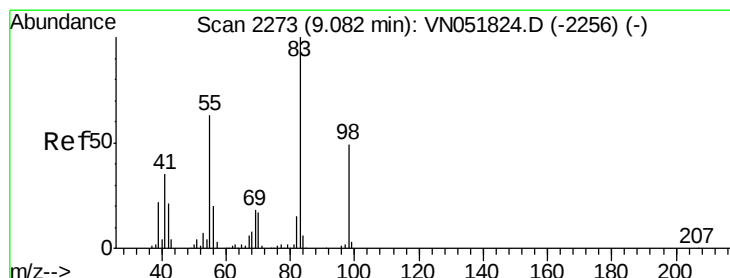
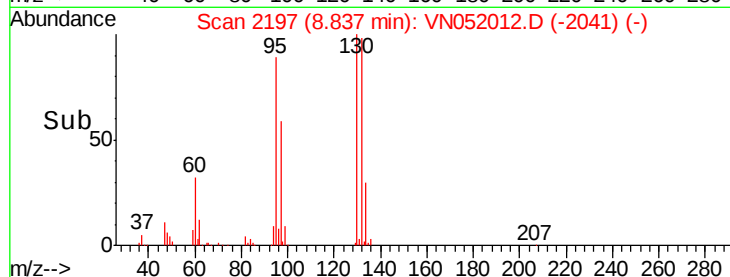
8.84

100000

50000

0

Time-->



#38

Methylcyclohexane

Concen: 18.644 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. 0.00 min

Lab File: VN052012.D

Acq: 25 Oct 2018 15:21

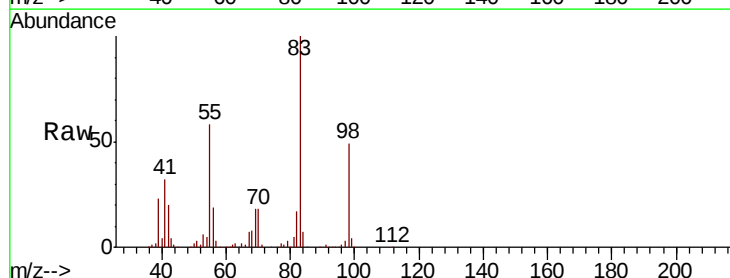
Tgt Ion: 83 Resp: 316158

Ion Ratio Lower Upper

83 100

55 59.4 43.0 129.2

98 49.1 21.3 63.7



Abundance Ion 83.00 (82.70 to 83.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 98.00 (97.70 to 98.70): VN

9.08

200000

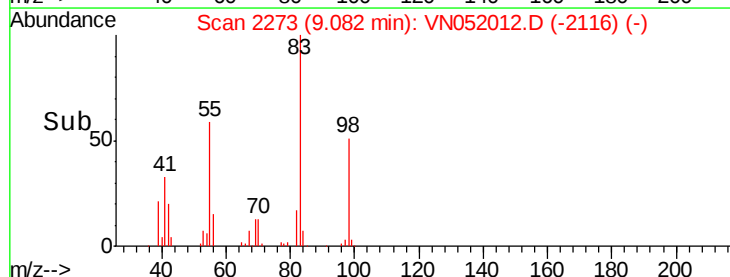
150000

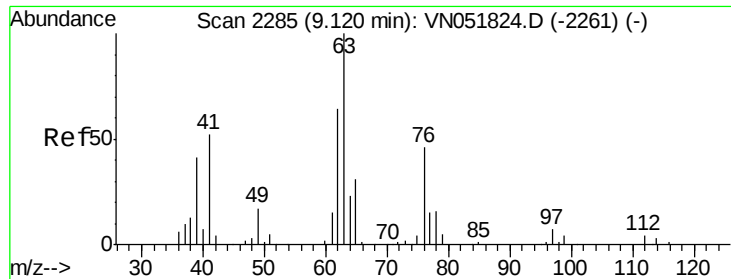
100000

50000

0

Time-->

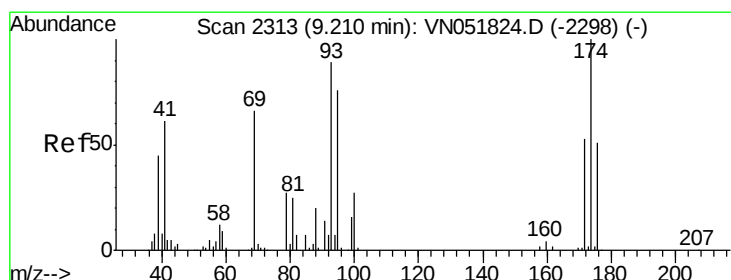
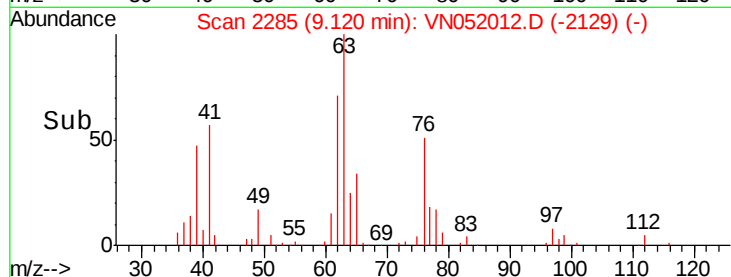
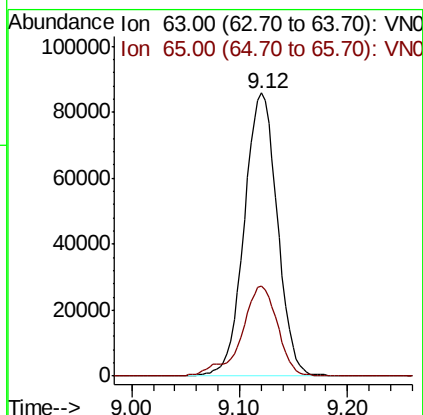
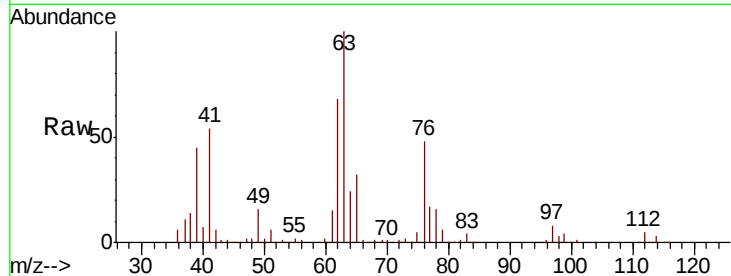




#39
 1,2-Dichloropropane
 Concen: 19.872 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN052012.D
 Acq: 25 Oct 2018 15:21

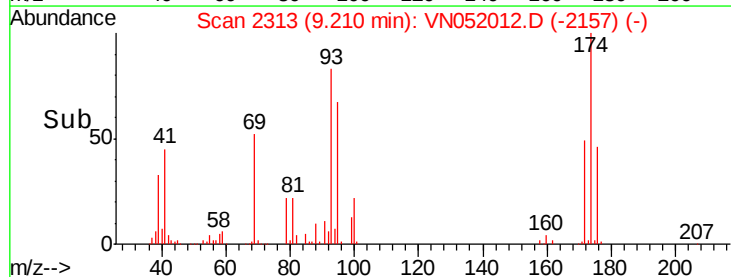
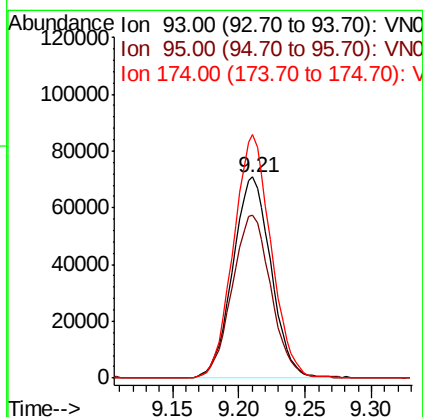
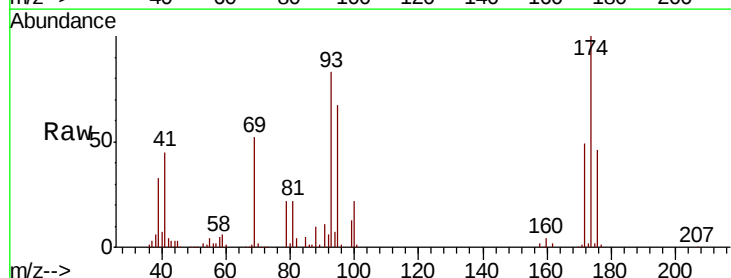
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

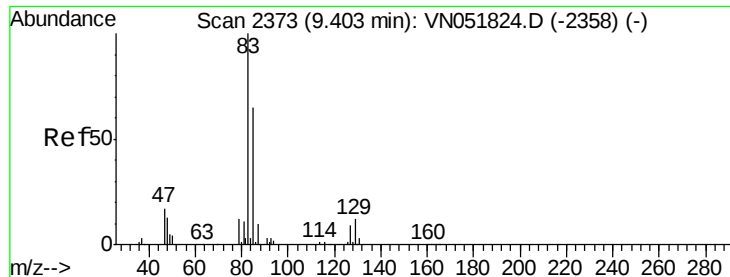
Tot Ion: 63 Resp: 183021
 Ion Ratio Lower Upper
 63 100
 65 31.9 23.2 34.8



#40
 Dibromomethane
 Concen: 20.733 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN052012.D
 Acq: 25 Oct 2018 15:21

Tgt Ion: 93 Resp: 141718
 Ion Ratio Lower Upper
 93 100
 95 82.4 0.0 162.0
 174 118.9 0.0 214.0





#41

Bromodichloromethane

Concen: 18.905 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN052012.D

Acq: 25 Oct 2018 15:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

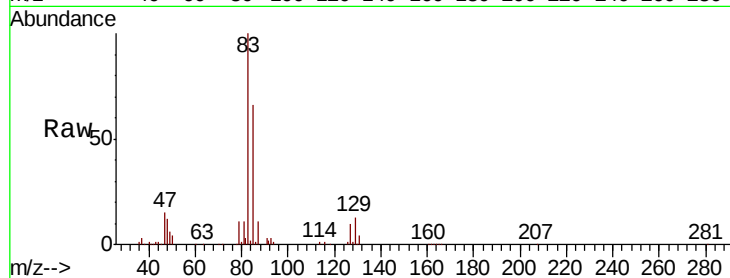
Tot Ion: 83 Resp: 266918

Ion Ratio Lower Upper

83 100

85 66.3 55.7 83.5

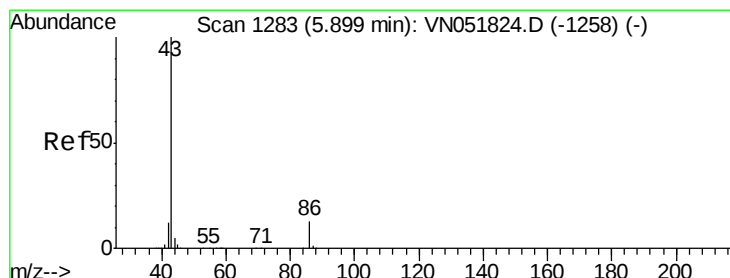
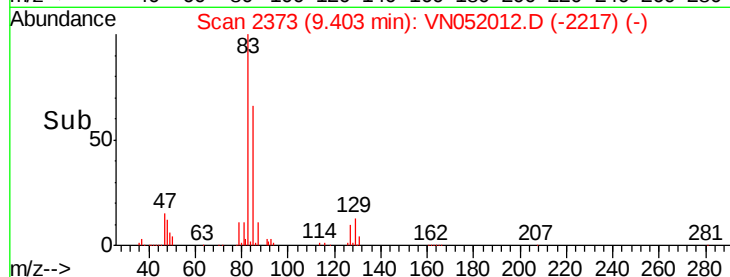
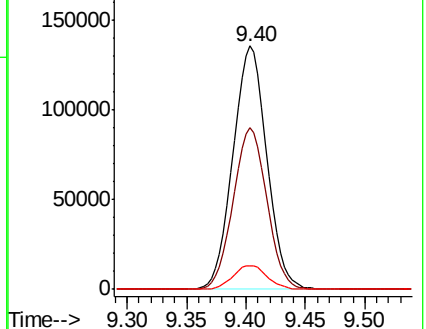
127 9.6 8.2 12.4



Abundance Ion 83.00 (82.70 to 83.70): VN052012.D (-1127) (-)

Ion 85.00 (84.70 to 85.70): VN052012.D (-1127) (-)

Ion 127.00 (126.70 to 127.70): VN052012.D (-1127) (-)



#42

Vinyl Acetate

Concen: 89.095 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN052012.D

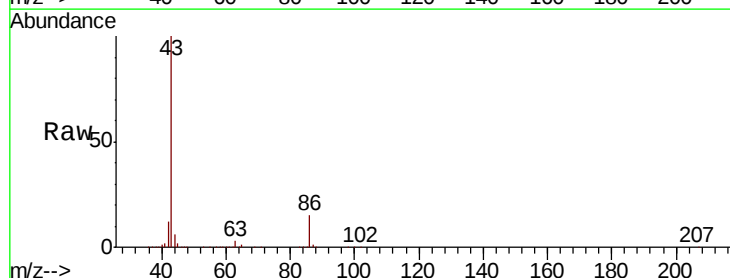
Acq: 25 Oct 2018 15:21

Tgt Ion: 43 Resp: 1385946

Ion Ratio Lower Upper

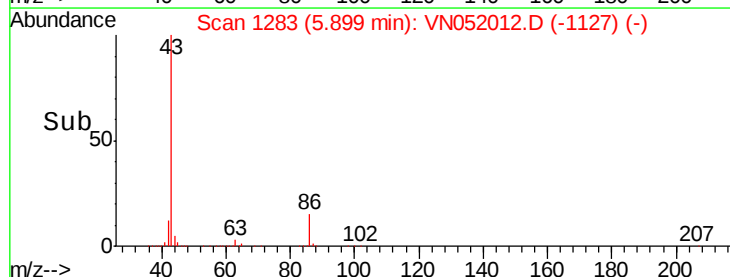
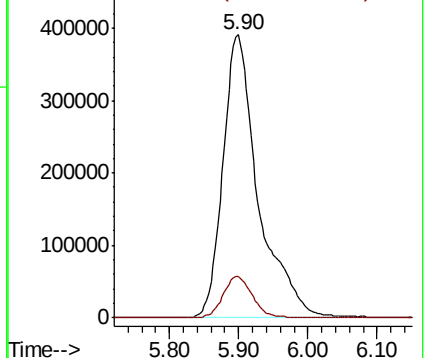
43 100

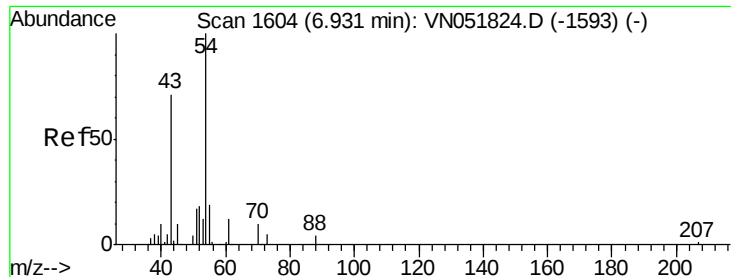
86 12.2 6.5 9.7#



Abundance Ion 43.00 (42.70 to 43.70): VN052012.D (-1127) (-)

Ion 86.00 (85.70 to 86.70): VN052012.D (-1127) (-)

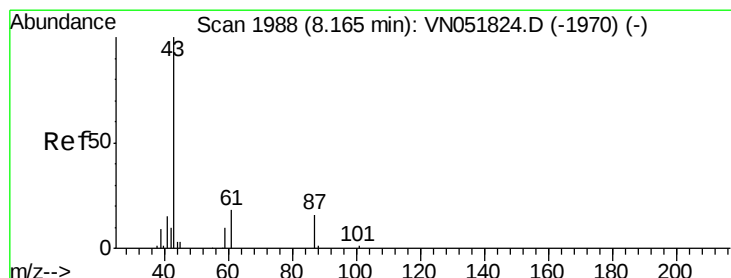
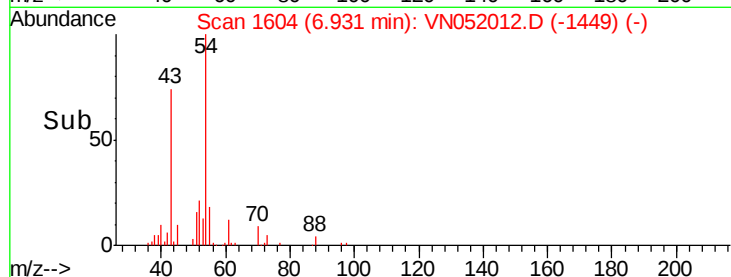
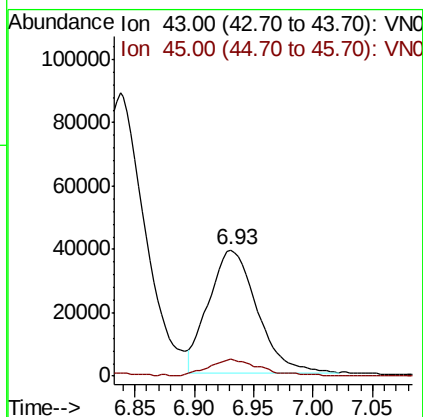
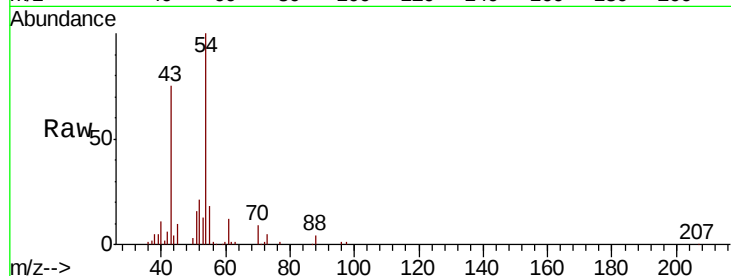




#43
Ethyl Acetate
Concen: 18.246 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VN052012.D
Acq: 25 Oct 2018 15:21

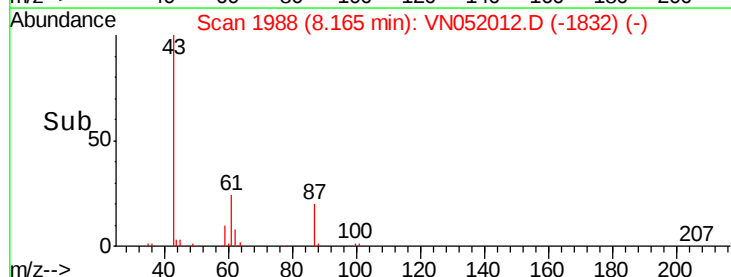
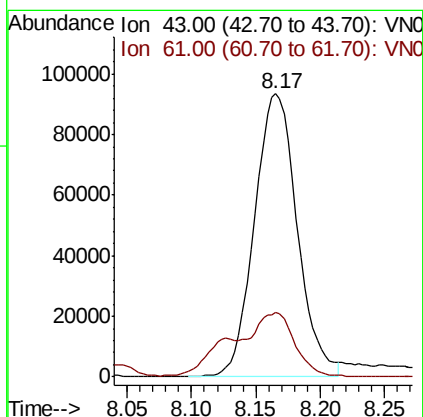
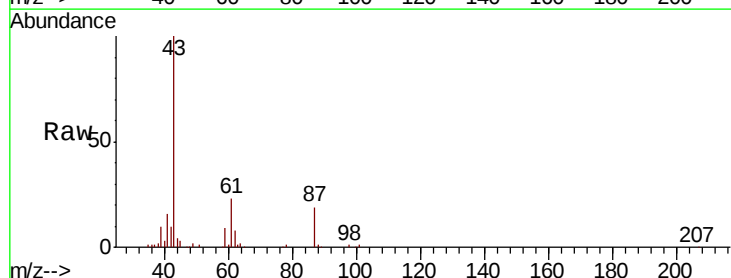
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

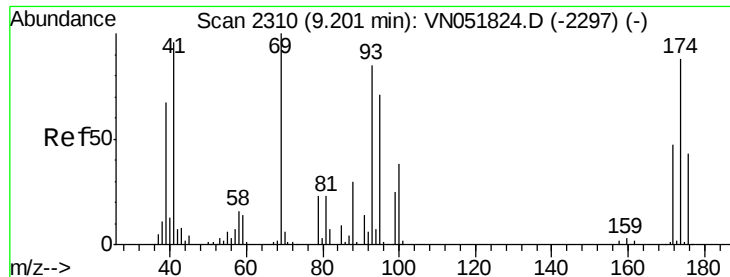
Tot Ion: 43 Resp: 109479
Ion Ratio Lower Upper
43 100
45 12.7 11.0 16.6



#44
Isopropyl Acetate
Concen: 18.088 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN052012.D
Acq: 25 Oct 2018 15:21

Tgt Ion: 43 Resp: 216778
Ion Ratio Lower Upper
43 100
61 19.6 15.9 23.9

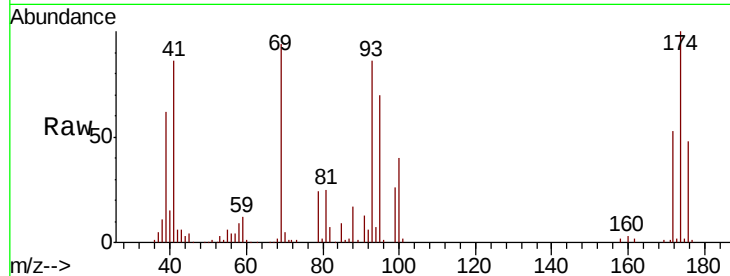




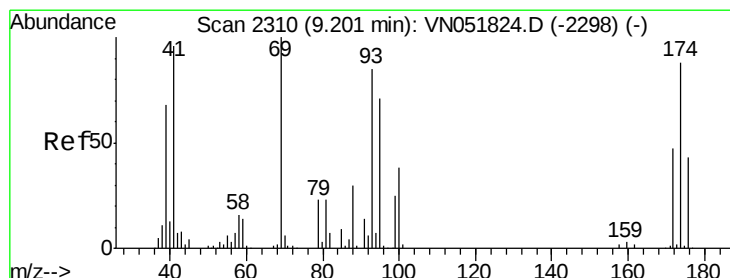
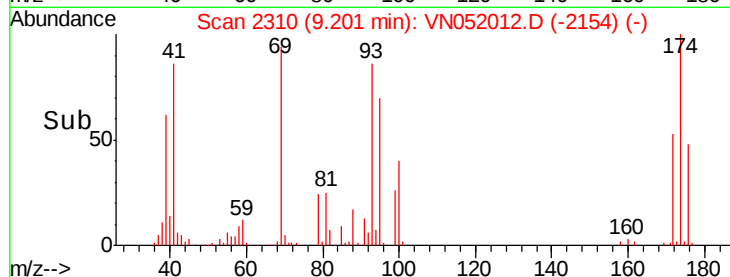
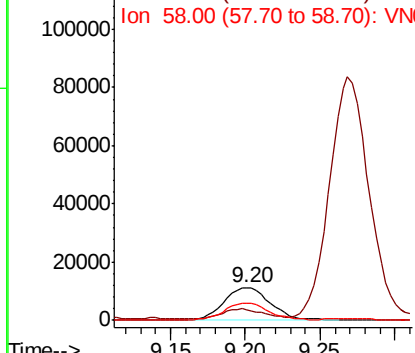
#45
 1,4-Dioxane
 Concen: 253.843 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN052012.D
 Acq: 25 Oct 2018 15:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion: 88 Resp: 24428
 Ion Ratio Lower Upper
 88 100
 43 29.2 26.2 39.2
 58 51.8 65.6 98.4#

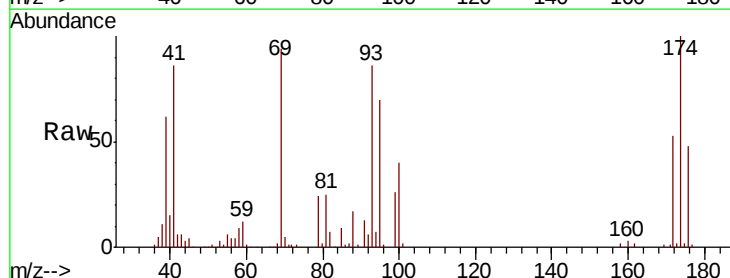


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

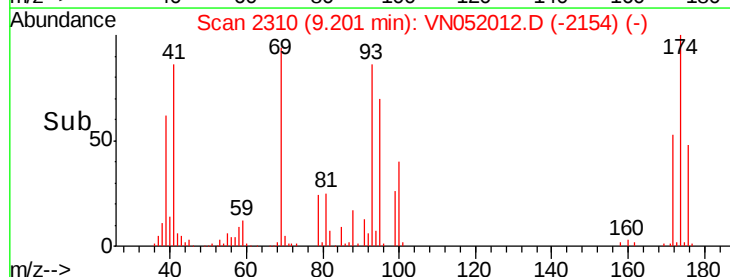
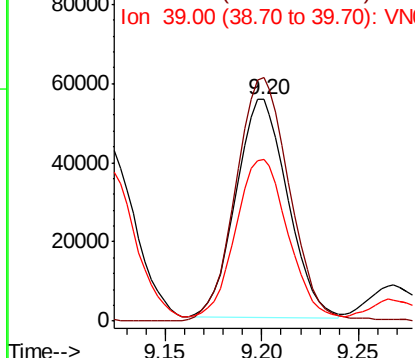


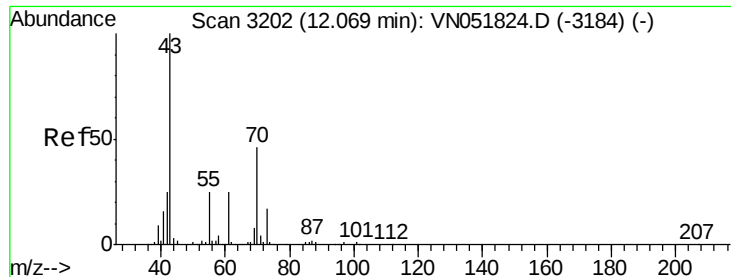
#46
 Methyl methacrylate
 Concen: 18.519 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN052012.D
 Acq: 25 Oct 2018 15:21

Tgt Ion: 41 Resp: 102371
 Ion Ratio Lower Upper
 41 100
 69 111.1 40.7 122.1
 39 72.5 27.3 81.9



Abundance Ion 41.00 (40.70 to 41.70): VN0
 Ion 69.00 (68.70 to 69.70): VN0
 Ion 39.00 (38.70 to 39.70): VN0

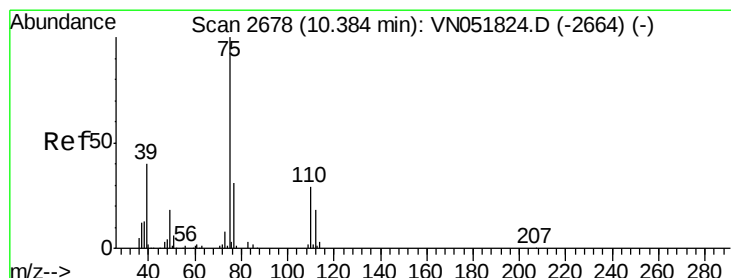
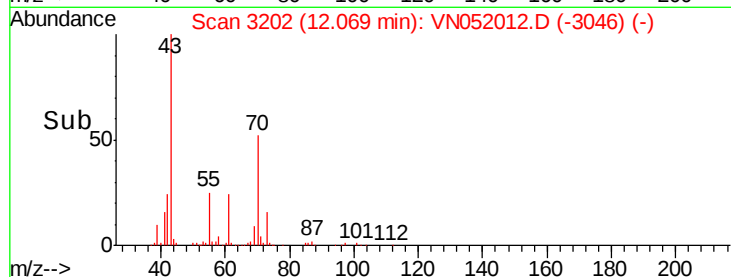
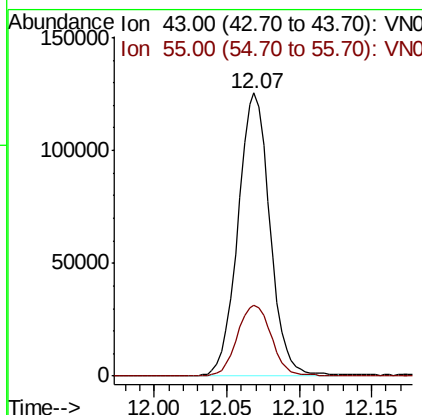
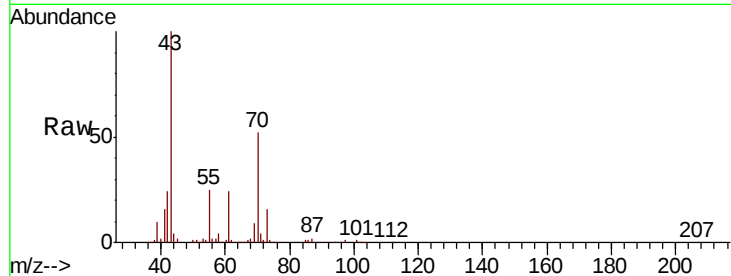




#47
n-amyl Acetate
Concen: 19.004 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN052012.D
Acq: 25 Oct 2018 15:21

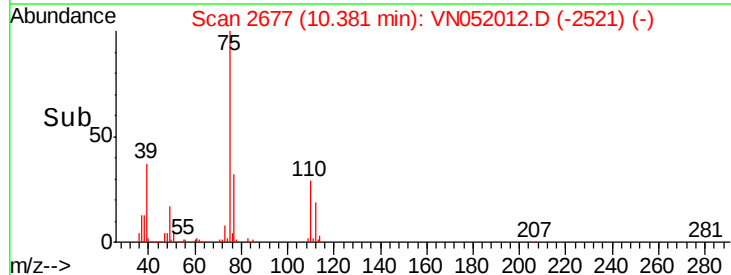
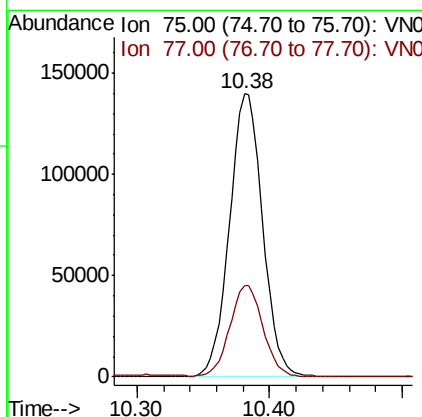
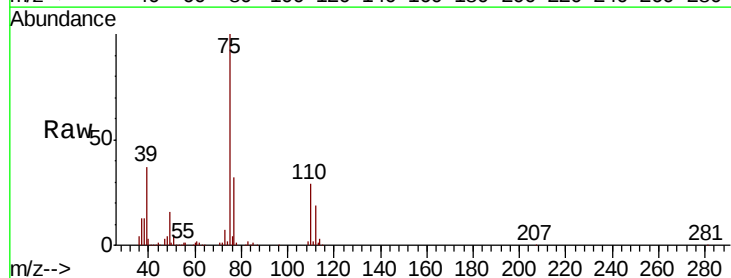
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

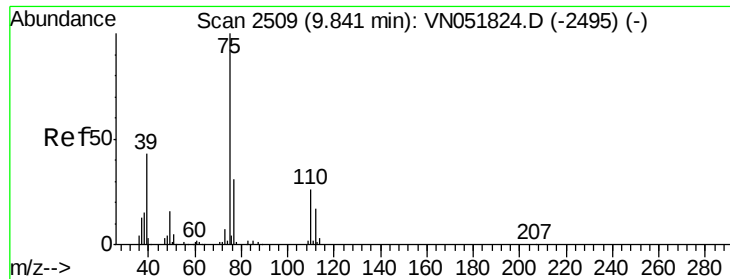
Tot Ion: 43 Resp: 190666
Ion Ratio Lower Upper
43 100
55 27.2 12.2 18.4#



#48
t-1,3-Dichloropropene
Concen: 17.656 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN052012.D
Acq: 25 Oct 2018 15:21

Tgt Ion: 75 Resp: 243092
Ion Ratio Lower Upper
75 100
77 32.3 24.6 37.0



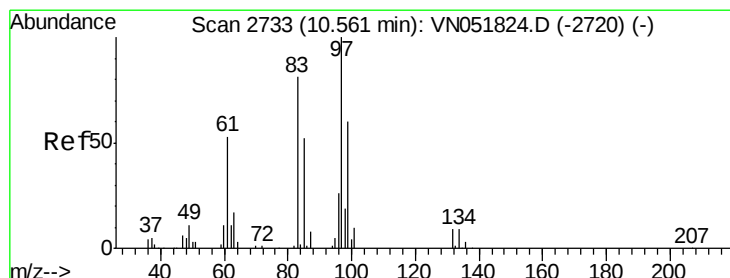
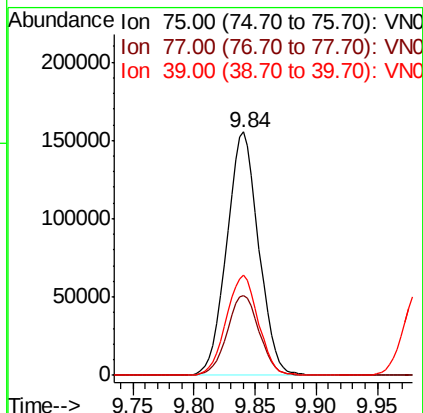
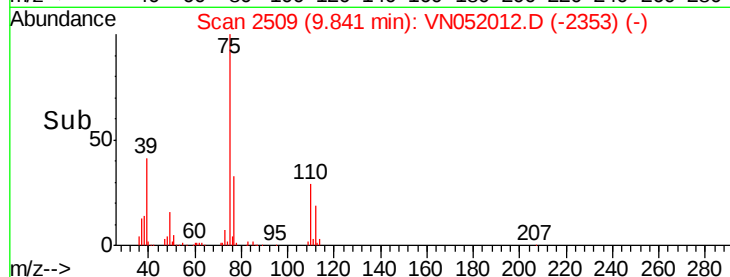
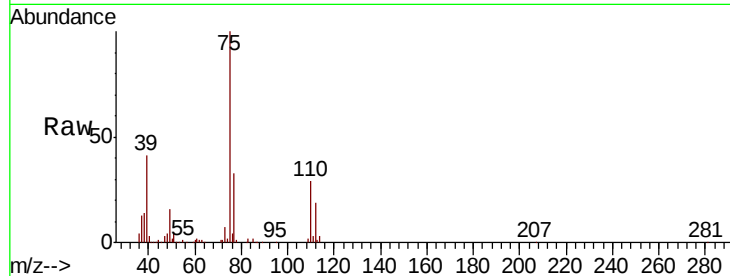


#49

cis-1,3-Dichloropropene
Concen: 18.687 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN052012.D
Acq: 25 Oct 2018 15:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

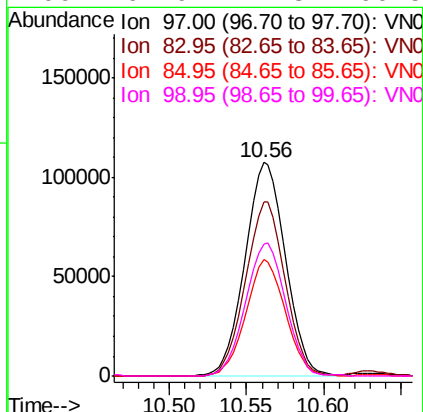
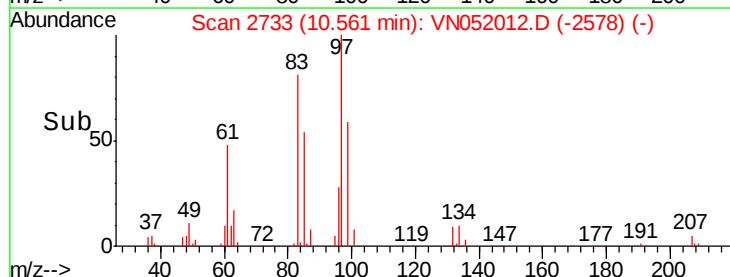
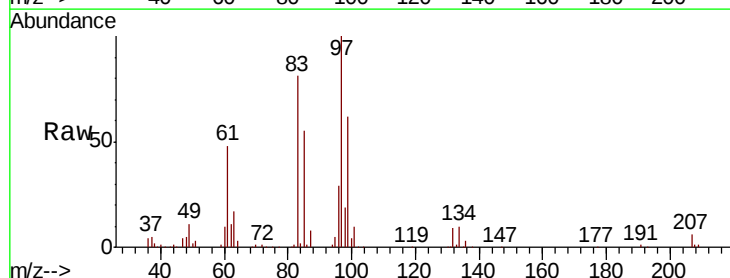
Tot Ion	Ratio	Lower	Upper
75	100		
77	33.0	23.2	34.8
39	40.8	34.6	52.0

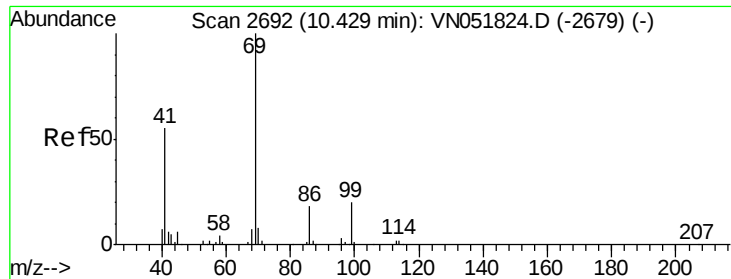


#50

1,1,2-Trichloroethane
Concen: 20.738 ug/l
RT: 10.56 min Scan# 2733
Delta R.T. -0.00 min
Lab File: VN052012.D
Acq: 25 Oct 2018 15:21

Tgt Ion	Ratio	Lower	Upper
97	100		
83	81.3	68.2	102.4
85	54.6	42.5	63.7
99	61.9	44.3	66.5





#51

Ethyl methacrylate

Concen: 18.686 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN052012.D

Acq: 25 Oct 2018 15:21

Instrument :

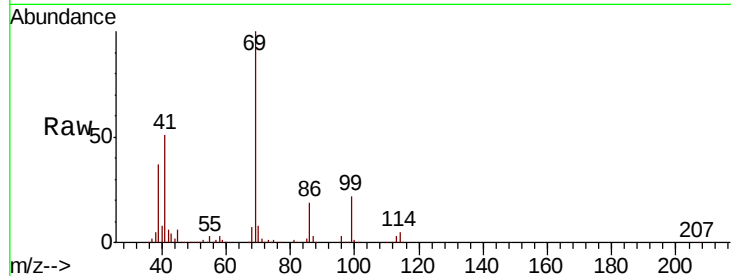
MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 69 Resp: 202038

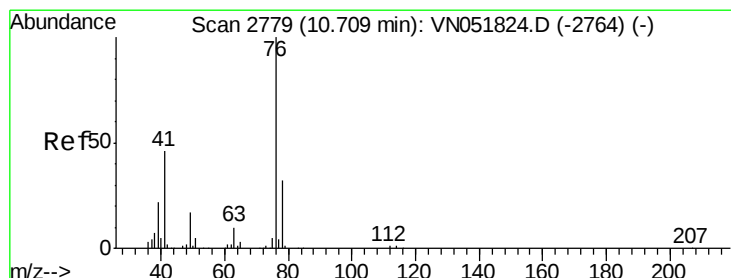
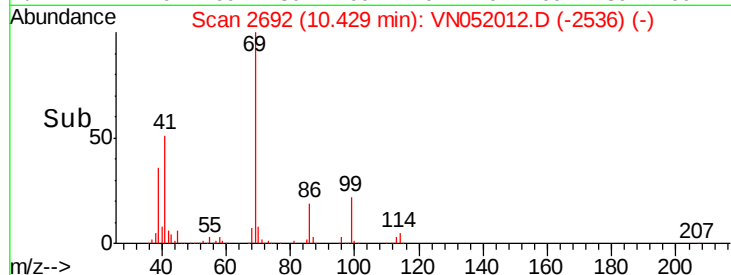
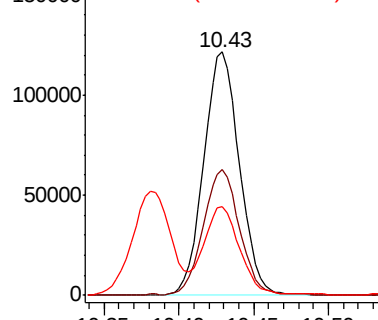
Ion	Ratio	Lower	Upper
69	100		
41	51.0	34.4	103.1
39	36.0	16.3	48.8



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#52

1,3-Dichloropropane

Concen: 20.139 ug/l

RT: 10.71 min Scan# 2779

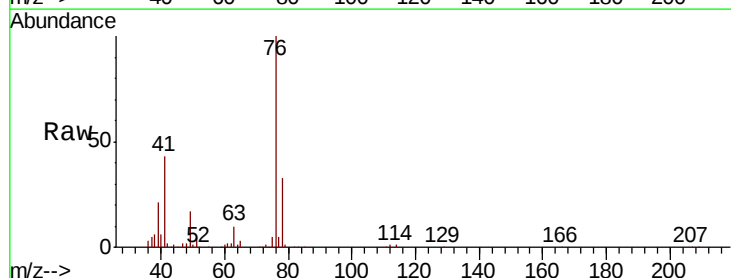
Delta R.T. 0.00 min

Lab File: VN052012.D

Acq: 25 Oct 2018 15:21

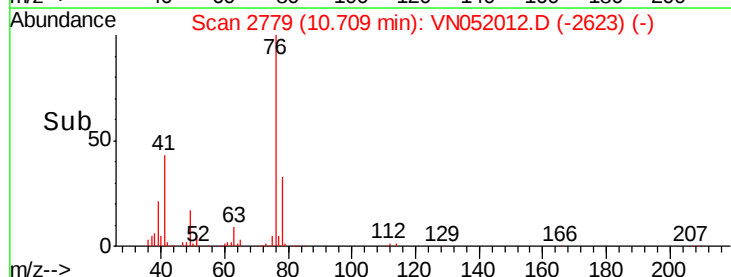
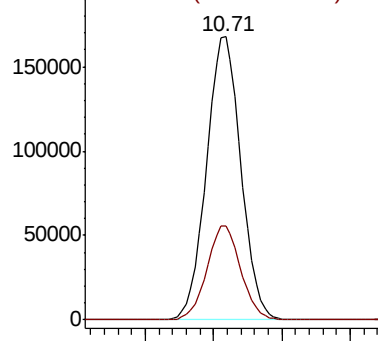
Tgt Ion: 76 Resp: 293552

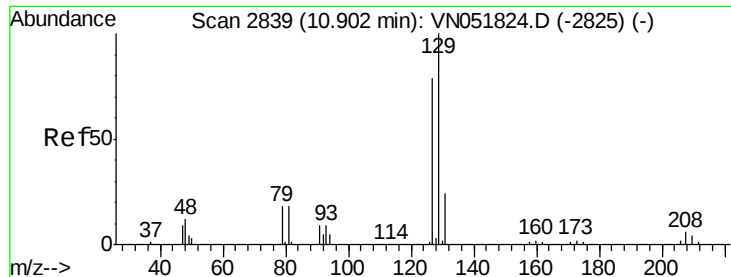
Ion	Ratio	Lower	Upper
76	100		
78	32.6	0.0	67.6



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#53

Dibromochloromethane

Concen: 18.912 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN052012.D

Acq: 25 Oct 2018 15:21

Instrument :

MSVOA_N

ClientSampleId :

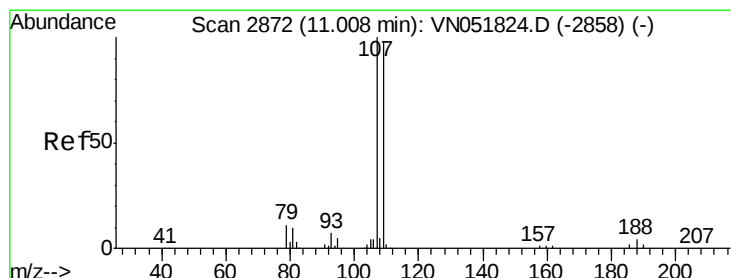
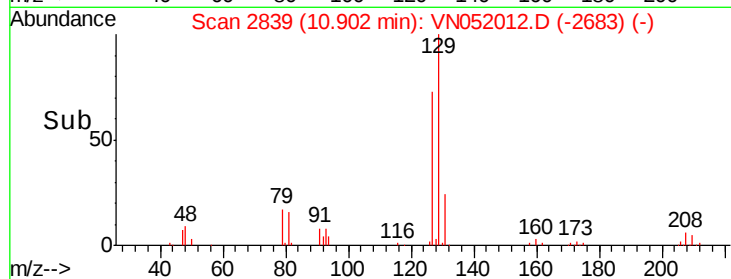
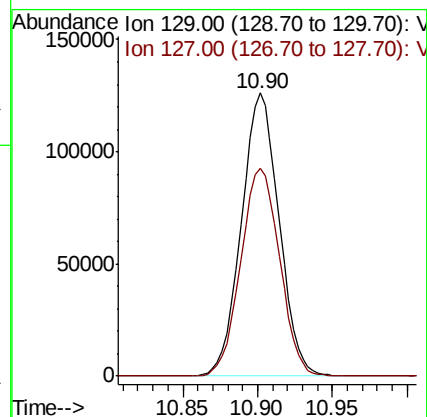
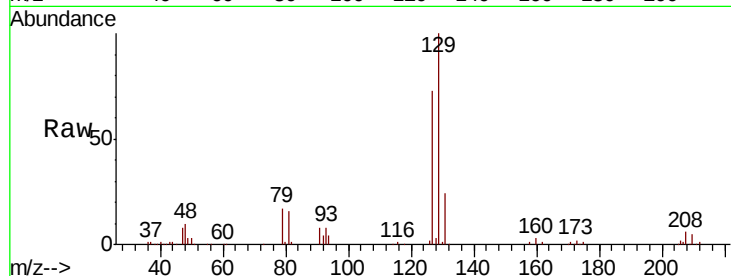
VSTDCCC020

Tot Ion:129 Resp: 220955

Ion Ratio Lower Upper

129 100

127 75.9 40.2 120.5



#54

1,2-Dibromoethane

Concen: 20.428 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN052012.D

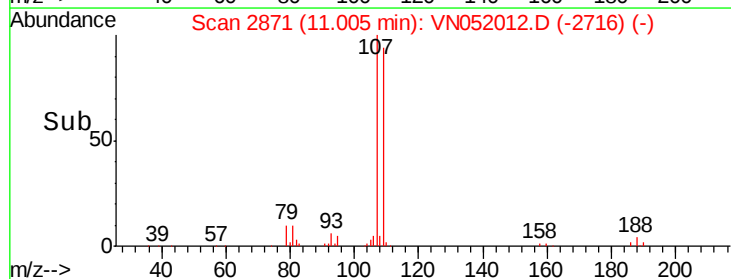
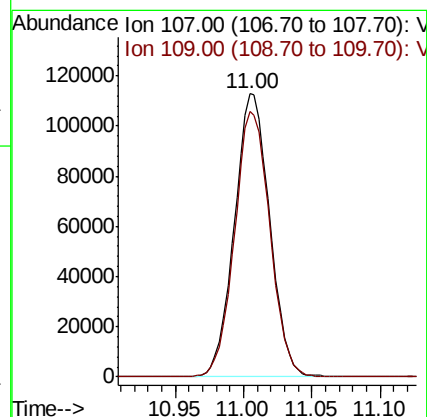
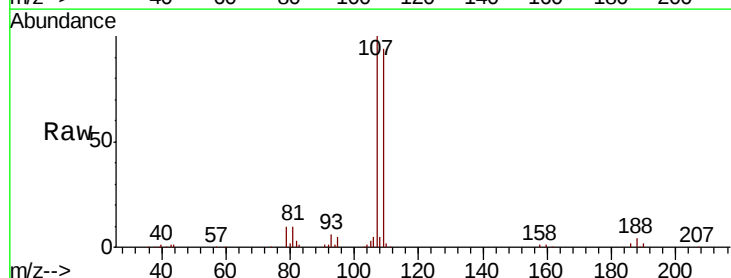
Acq: 25 Oct 2018 15:21

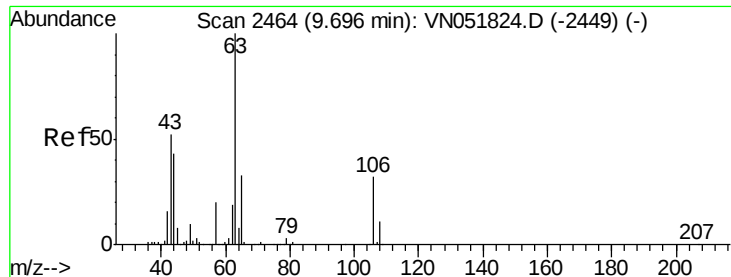
Tgt Ion:107 Resp: 202503

Ion Ratio Lower Upper

107 100

109 94.1 77.4 116.0

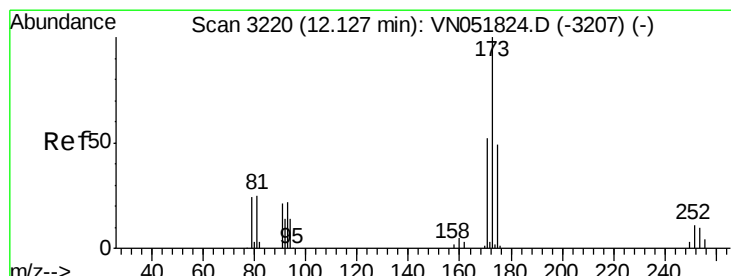
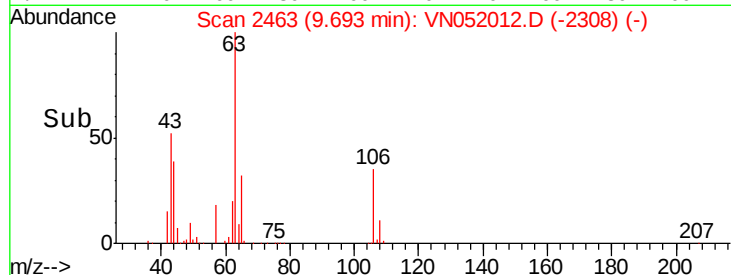
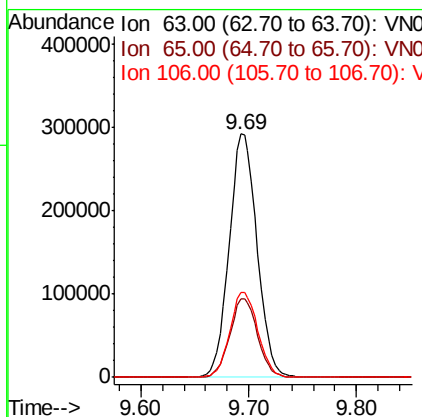
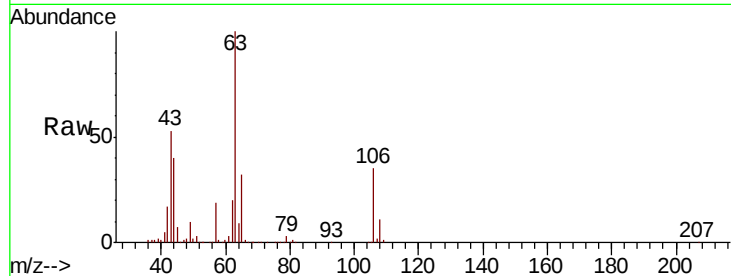




#55
 2-Chloroethyl vinyl ether
 Concen: 113.913 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. -0.00 min
 Lab File: VN052012.D
 Acq: 25 Oct 2018 15:21

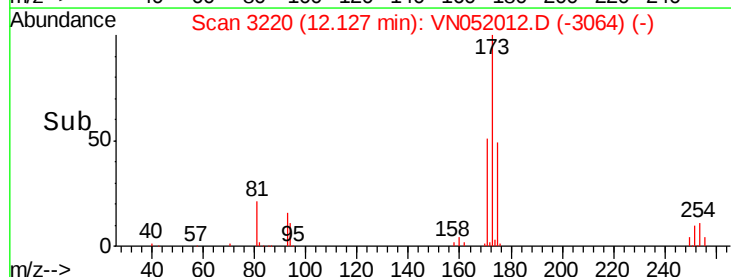
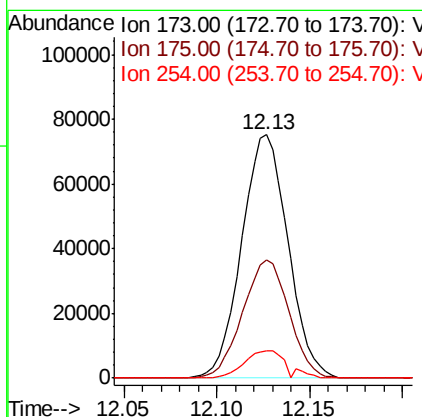
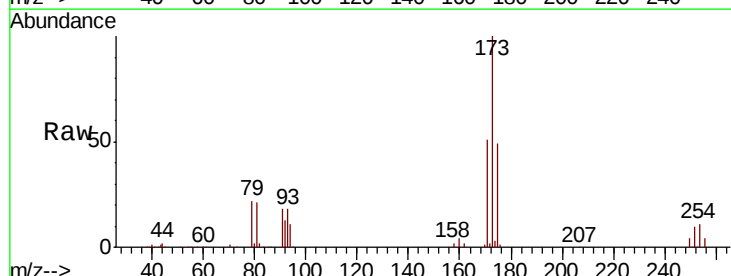
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

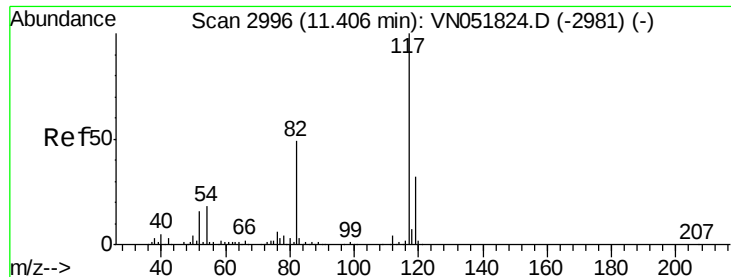
Tot Ion: 63 Resp: 526537
 Ion Ratio Lower Upper
 63 100
 65 32.2 25.4 38.0
 106 35.1 21.2 31.8#



#56
 Bromoform
 Concen: 16.962 ug/l
 RT: 12.13 min Scan# 3220
 Delta R.T. 0.00 min
 Lab File: VN052012.D
 Acq: 25 Oct 2018 15:21

Tgt Ion: 173 Resp: 130696
 Ion Ratio Lower Upper
 173 100
 175 48.6 35.8 53.8
 254 9.1 8.6 13.0

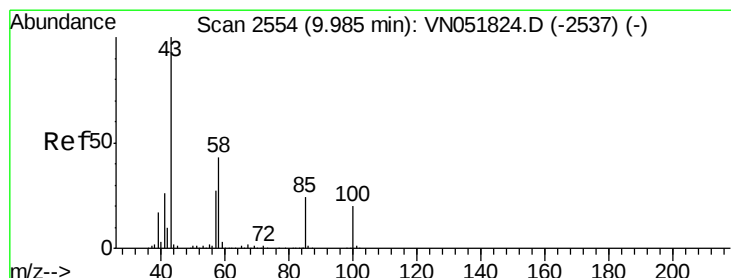
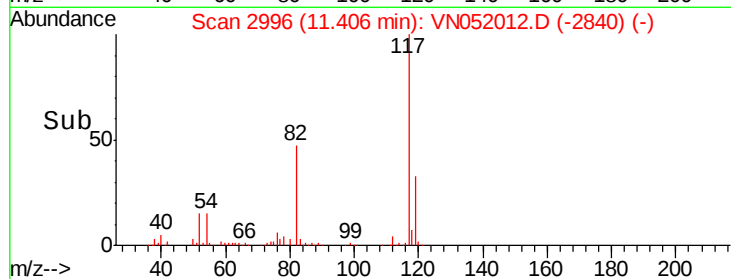
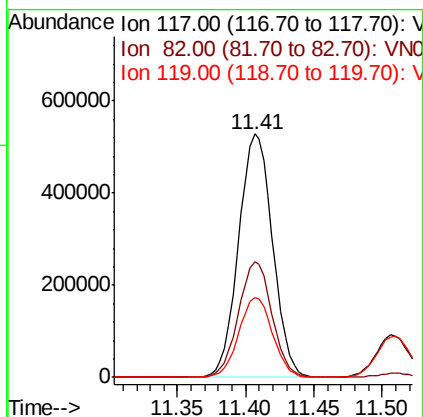
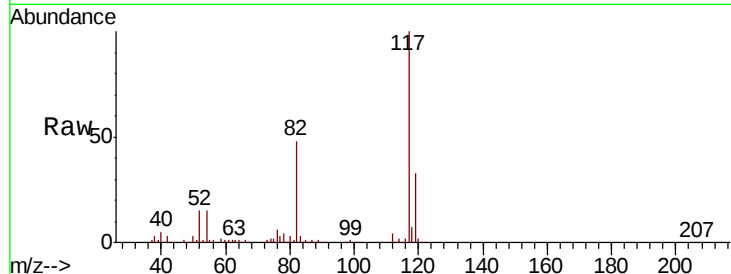




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN052012.D
Acq: 25 Oct 2018 15:21

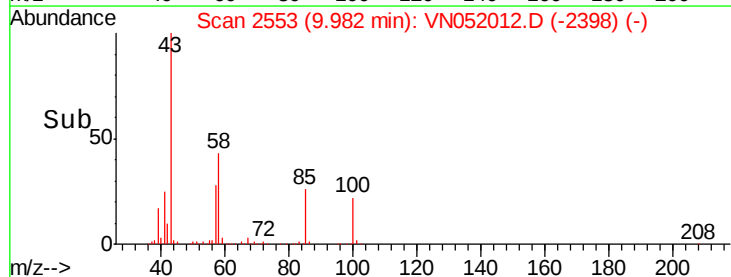
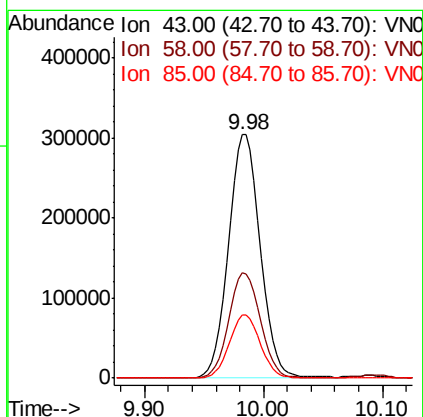
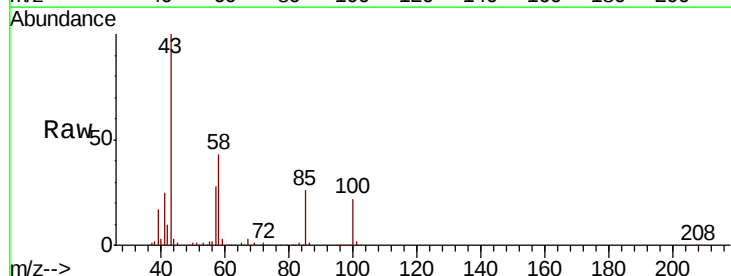
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

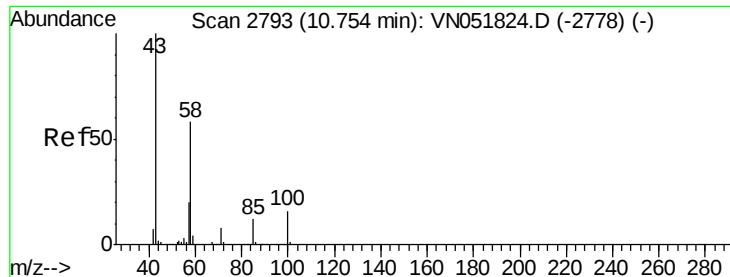
Tot Ion	Ratio	Lower	Upper
117	100		
82	46.8	44.1	66.1
119	32.6	25.8	38.8



#58
4-Methyl-2-Pentanone
Concen: 91.611 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. -0.00 min
Lab File: VN052012.D
Acq: 25 Oct 2018 15:21

Tgt Ion	Ratio	Lower	Upper
43	100		
58	43.1	29.3	43.9
85	25.4	12.6	18.8

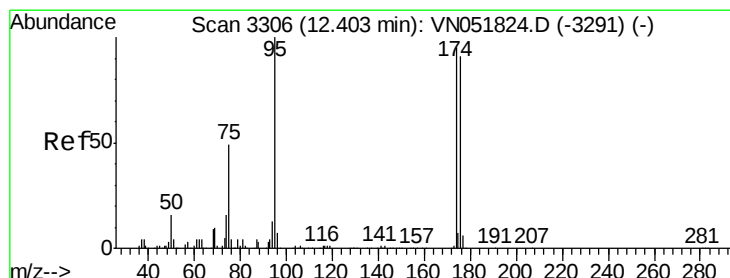
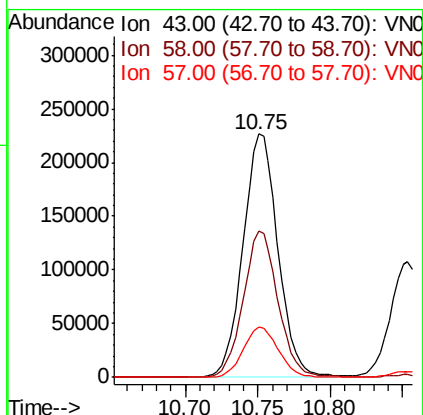
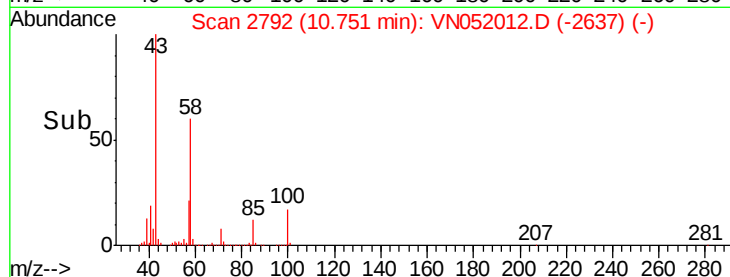
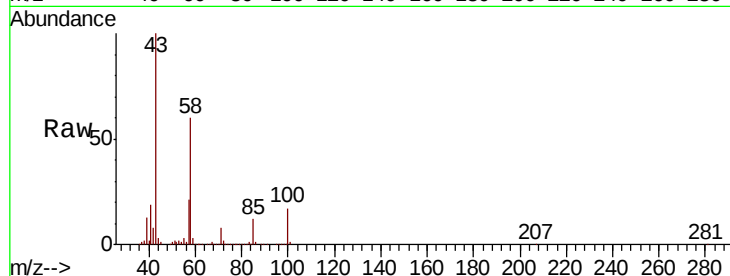




#59
2-Hexanone
Concen: 91.314 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN052012.D
Acq: 25 Oct 2018 15:21

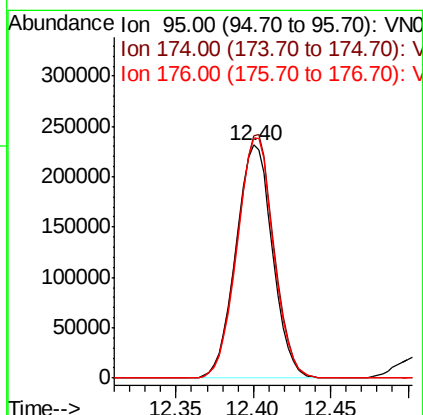
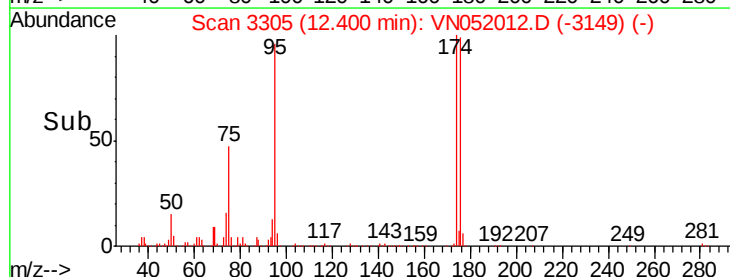
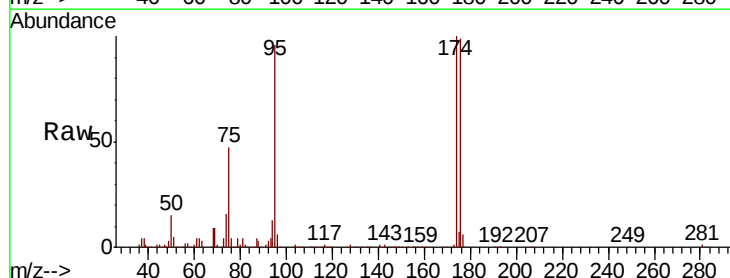
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

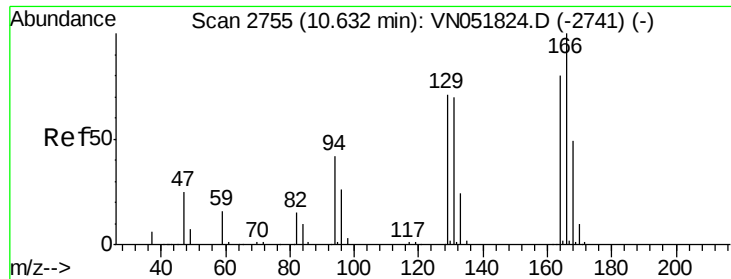
Tot Ion: 43 Resp: 377189
Ion Ratio Lower Upper
43 100
58 60.0 41.3 61.9
57 21.0 13.4 20.0#



#60
4-Bromofluorobenzene
Concen: 91.314 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN052012.D
Acq: 25 Oct 2018 15:21

Tgt Ion: 95 Resp: 380338
Ion Ratio Lower Upper
95 100
174 105.1 73.5 110.3
176 102.4 70.2 105.2





#61

Tetrachloroethene

Concen: 20.942 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN052012.D

Acq: 25 Oct 2018 15:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion:164 Resp: 245044

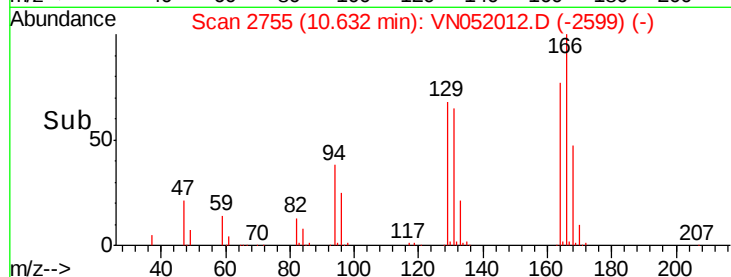
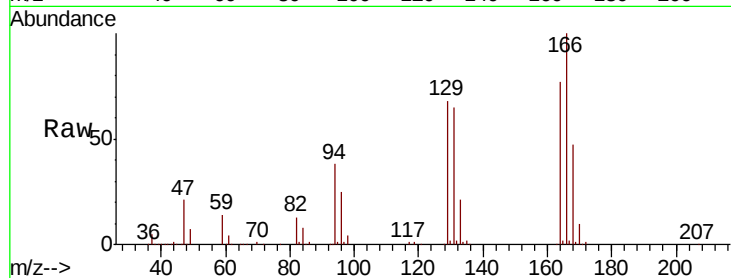
Ion Ratio Lower Upper

164 100

166 130.4 98.7 148.1

129 88.2 69.6 104.4

131 84.7 72.4 108.6

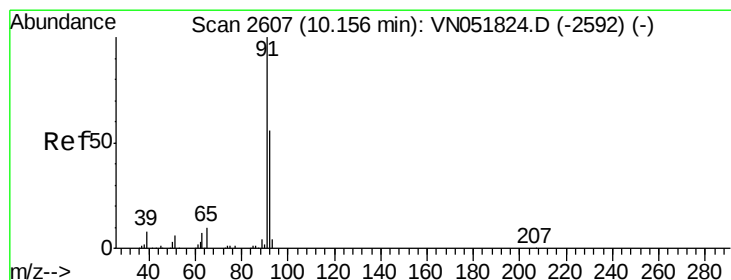
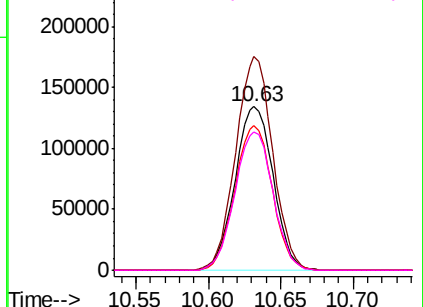


Abundance Ion 163.85 (163.55 to 164.55): V

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: 20.919 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN052012.D

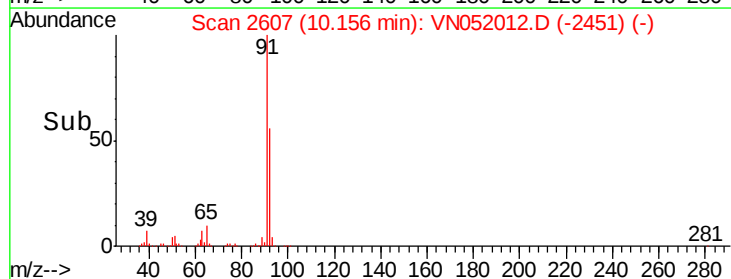
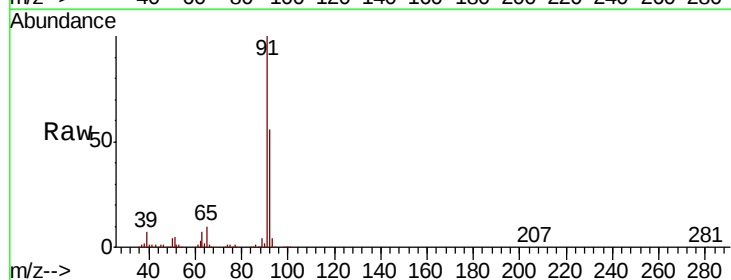
Acq: 25 Oct 2018 15:21

Tgt Ion: 91 Resp: 950830

Ion Ratio Lower Upper

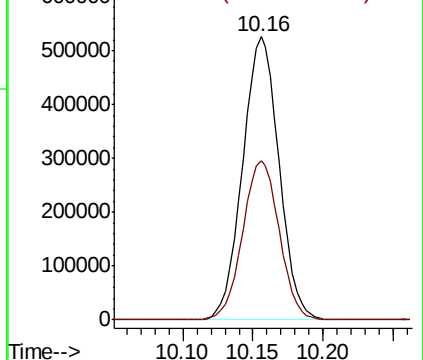
91 100

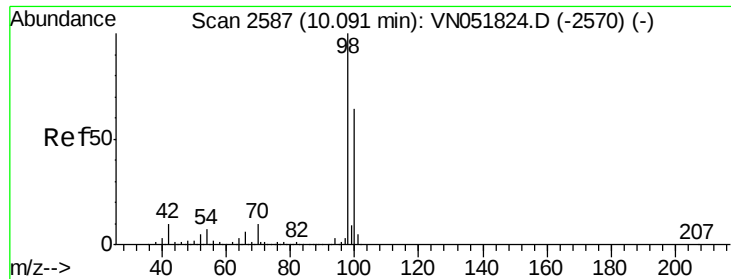
92 56.6 44.6 66.8



Abundance Ion 91.00 (90.70 to 91.70): VNO

Ion 92.00 (91.70 to 92.70): VNO





#63

Toluene-d8

Concen: 20.919 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052012.D

Acq: 25 Oct 2018 15:21

Instrument :

MSVOA_N

ClientSampleId :

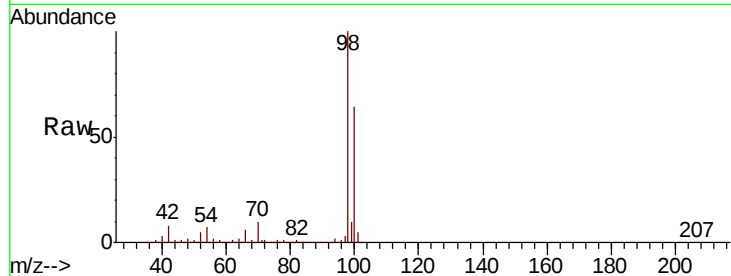
VSTDCCC020

Tot Ion: 98 Resp: 1166970

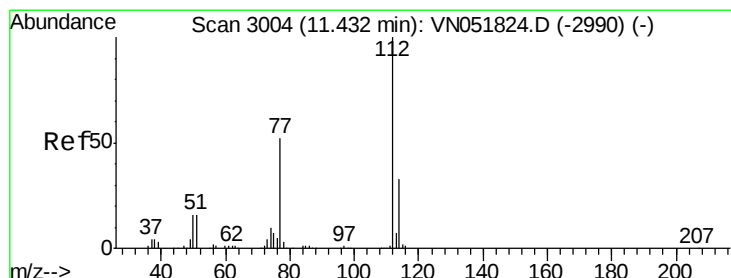
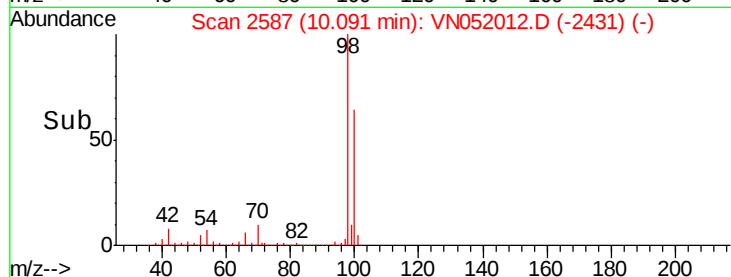
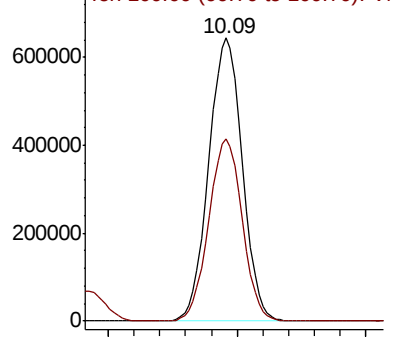
Ion Ratio Lower Upper

98 100

100 64.0 50.8 76.2



Abundance Ion 98.00 (97.70 to 98.70): VN051824.D (-2570) (-)



#64

Chlorobenzene

Concen: 21.823 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN052012.D

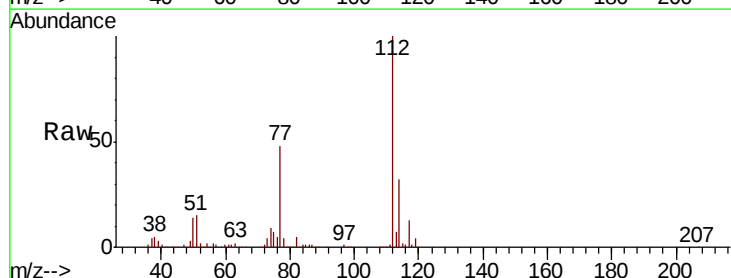
Acq: 25 Oct 2018 15:21

Tgt Ion: 112 Resp: 649634

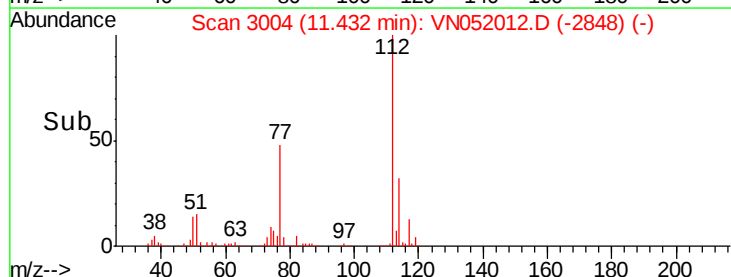
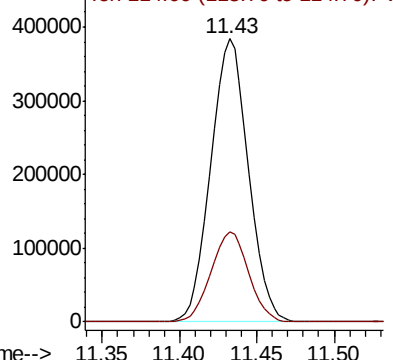
Ion Ratio Lower Upper

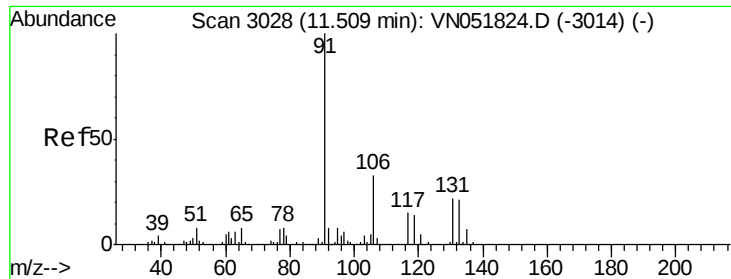
112 100

114 31.8 27.5 41.3



Abundance Ion 112.00 (111.70 to 112.70): VN051824.D (-2990) (-)





#65

1,1,1,2-Tetrachloroethane

Concen: 20.731 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN052012.D

Acq: 25 Oct 2018 15:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

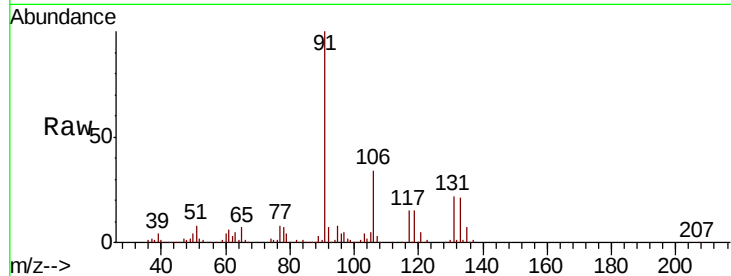
Tot Ion:131 Resp: 236870

Ion Ratio Lower Upper

131 100

133 94.1 0.0 190.4

119 65.0 0.0 128.0

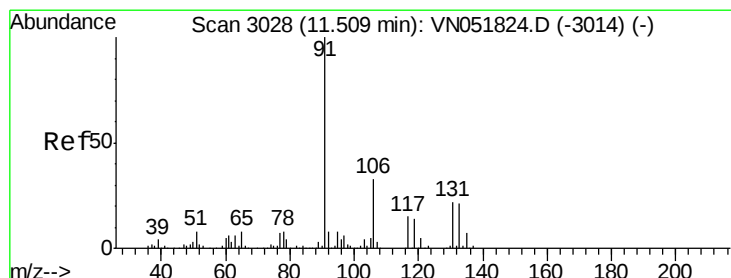
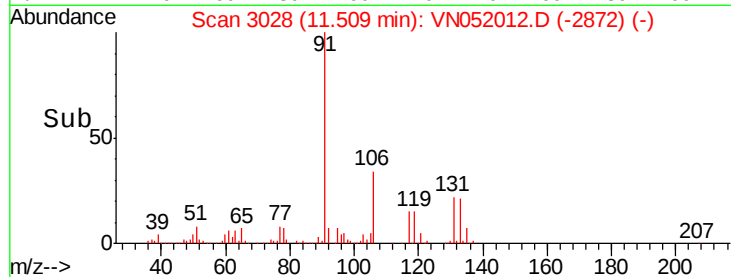
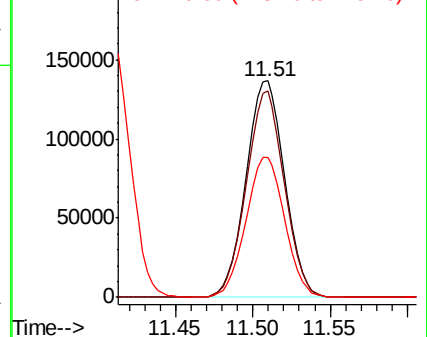


Abundance

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: 20.335 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN052012.D

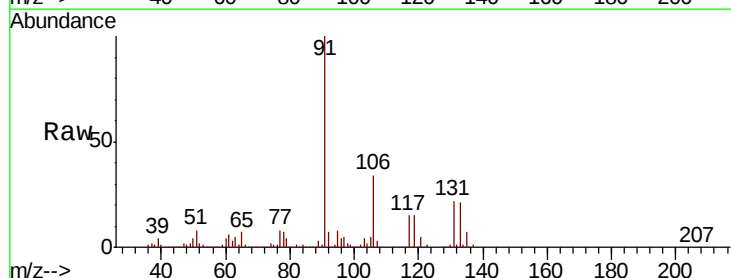
Acq: 25 Oct 2018 15:21

Tgt Ion: 91 Resp: 1021537

Ion Ratio Lower Upper

91 100

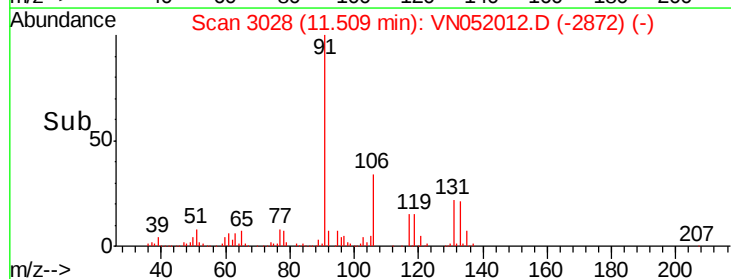
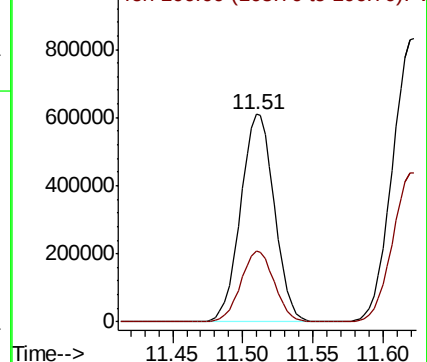
106 34.3 25.9 38.9

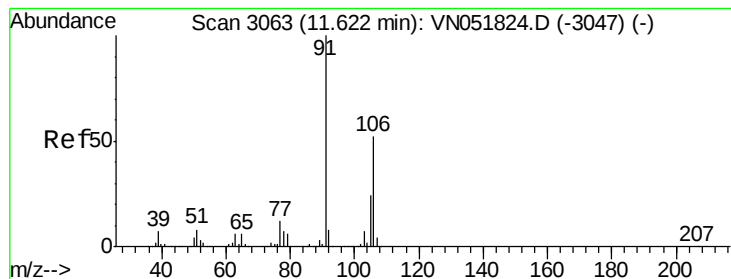


Abundance

Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V





#67

m/p-Xylenes

Concen: 40.944 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN052012.D

Acq: 25 Oct 2018 15:21

Instrument :

MSVOA_N

ClientSampleId :

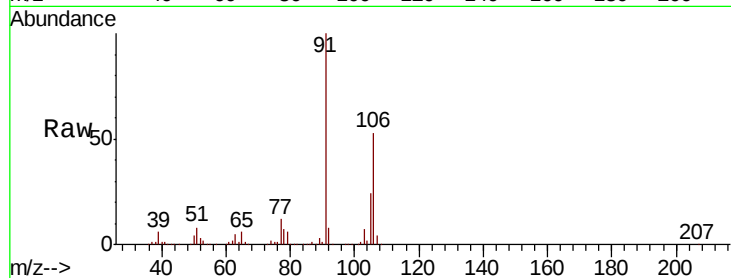
VSTDCCC020

Tot Ion:106 Resp: 833877

Ion Ratio Lower Upper

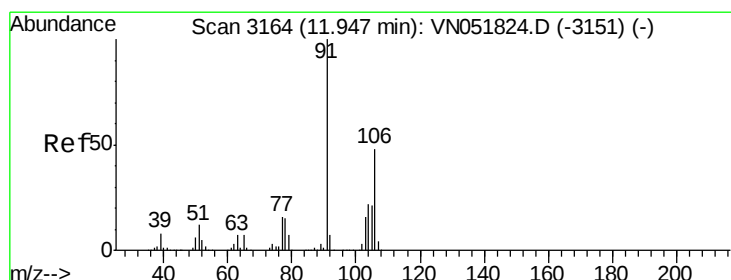
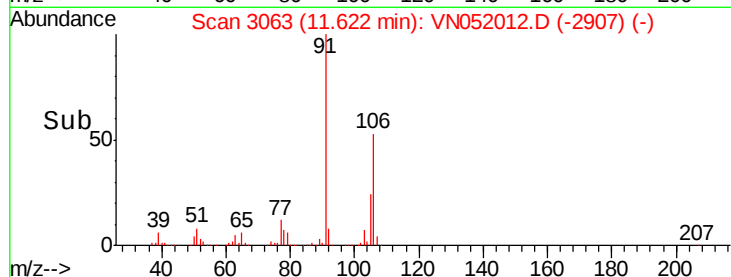
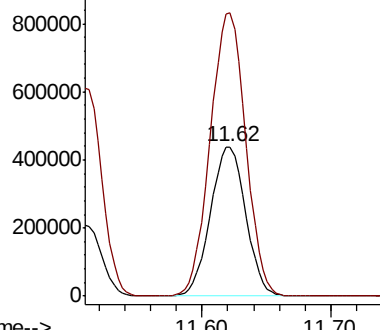
106 100

91 191.0 158.8 238.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#68

o-Xylene

Concen: 20.227 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. 0.00 min

Lab File: VN052012.D

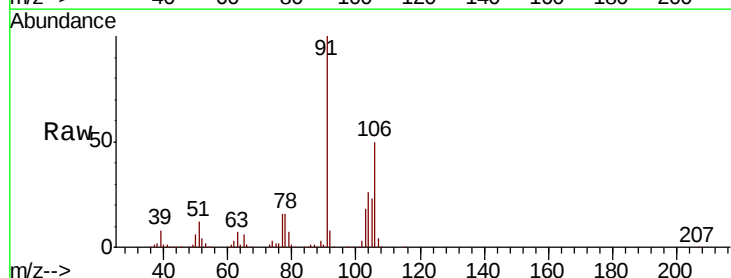
Acq: 25 Oct 2018 15:21

Tgt Ion:106 Resp: 406107

Ion Ratio Lower Upper

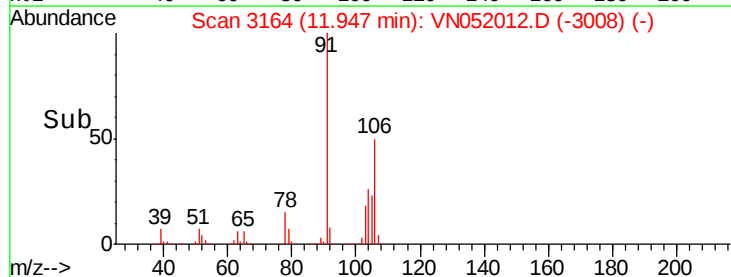
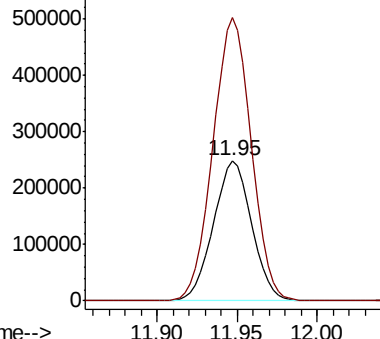
106 100

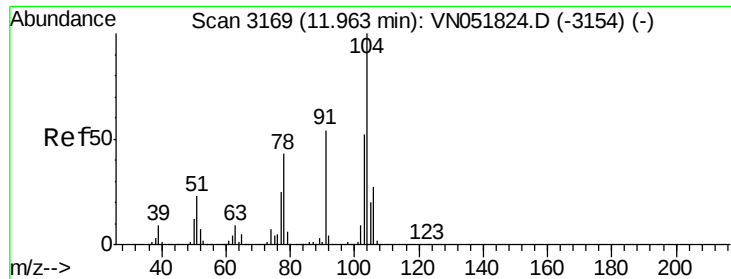
91 201.8 111.1 333.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN

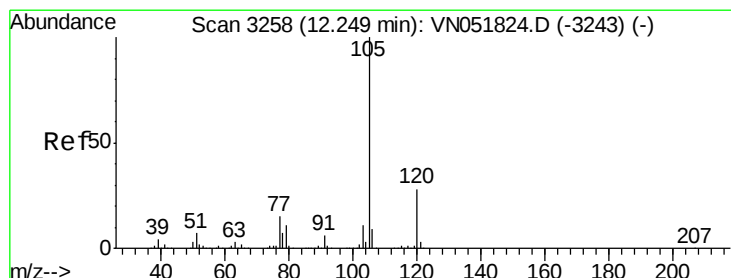
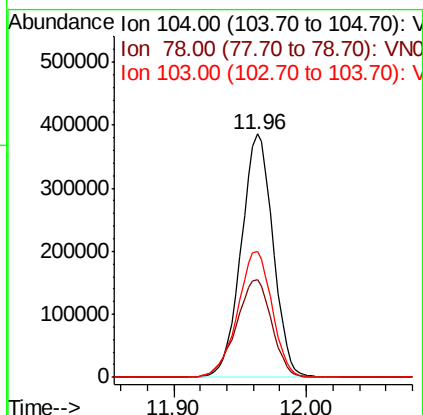
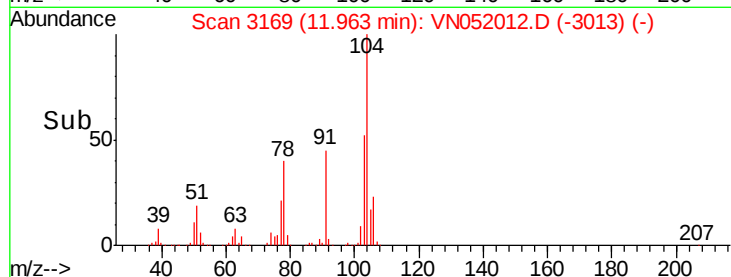
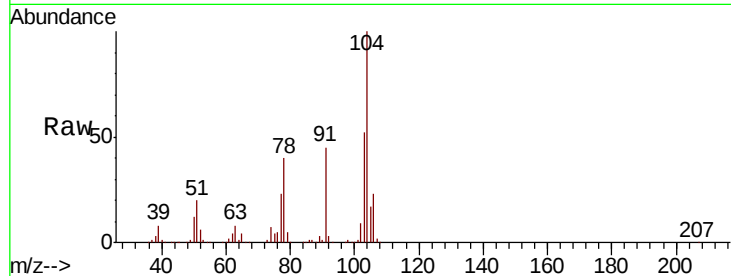




#69
Stvrene
Concen: 20.887 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN052012.D
Acq: 25 Oct 2018 15:21

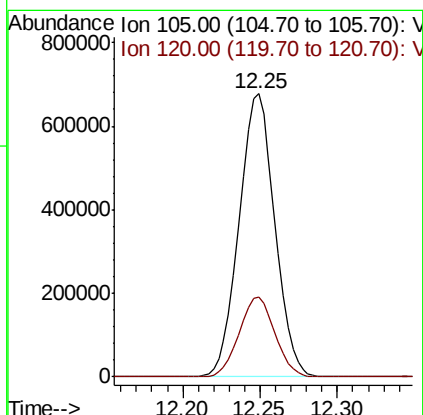
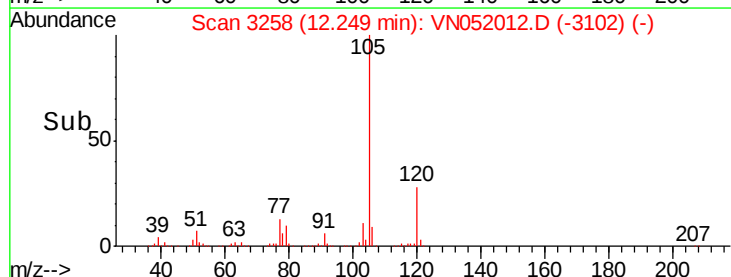
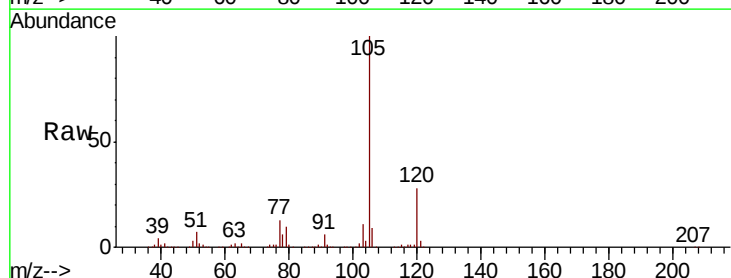
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

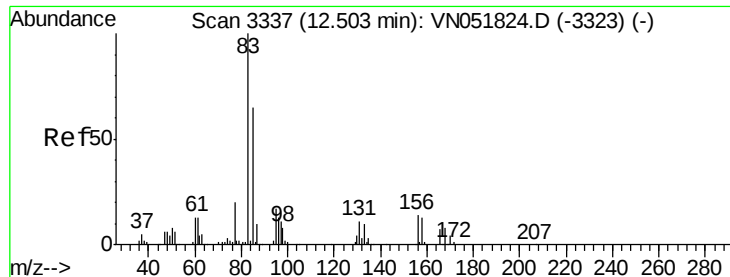
Tot Ion:104 Resp: 643424
Ion Ratio Lower Upper
104 100
78 44.6 40.6 60.8
103 55.9 44.0 66.0



#70
Isopropylbenzene
Concen: 20.297 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN052012.D
Acq: 25 Oct 2018 15:21

Tgt Ion:105 Resp: 1086702
Ion Ratio Lower Upper
105 100
120 28.3 19.0 35.4

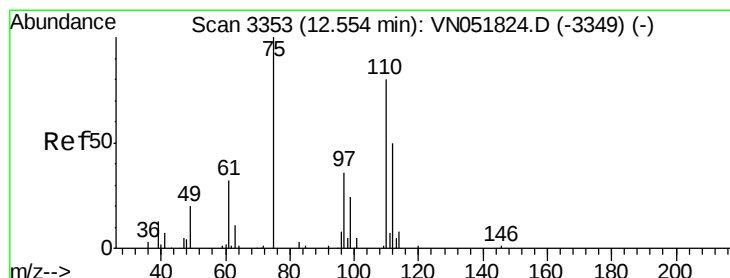
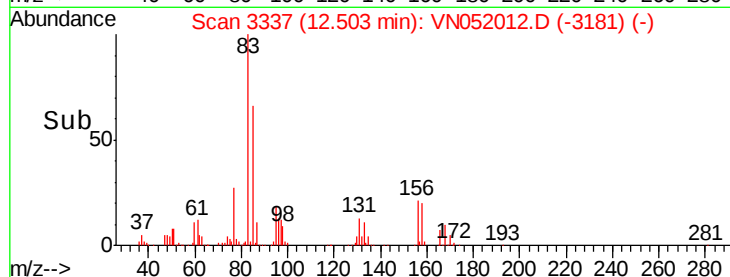
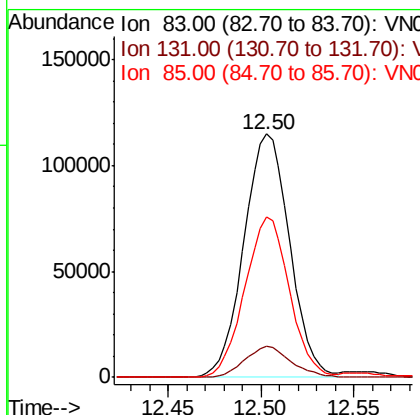
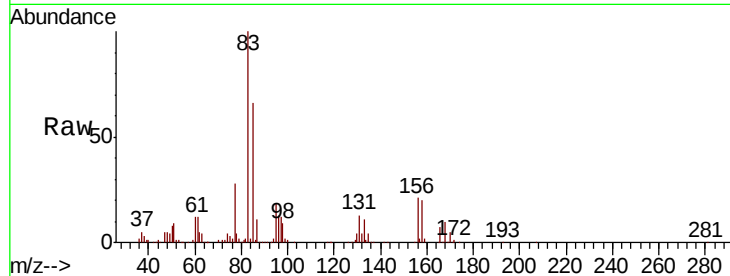




#71
 1,1,2,2-Tetrachloroethane
 Concen: 18.667 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. 0.00 min
 Lab File: VN052012.D
 Acq: 25 Oct 2018 15:21

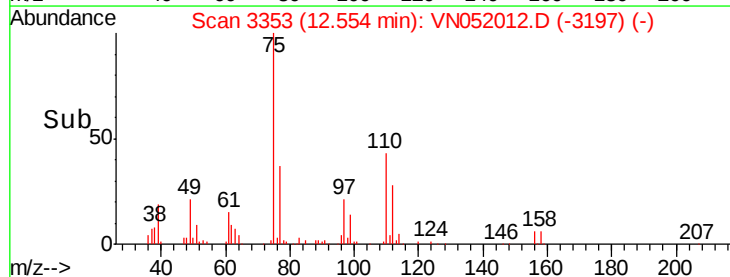
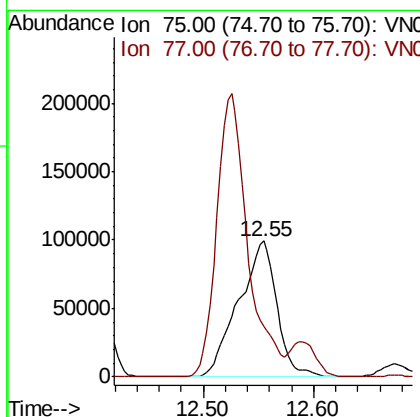
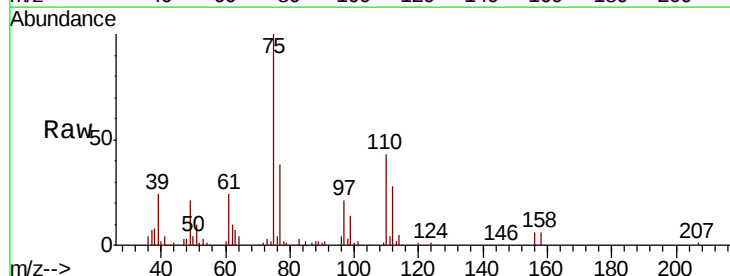
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

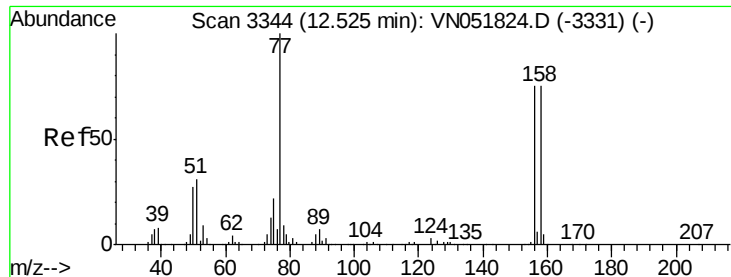
Tot Ion	83	Resp	197374
Ion Ratio	Lower	Upper	
83	100		
131	12.8	5.5	16.4
85	64.0	30.6	91.8



#72
 1,2,3-Trichloropropane
 Concen: 28.715 ug/l
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN052012.D
 Acq: 25 Oct 2018 15:21

Tgt Ion	75	Resp	238851
Ion Ratio	Lower	Upper	
75	100		
77	168.9	0.0	400.0





#73

Bromobenzene

Concen: 22.412 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN052012.D

Acq: 25 Oct 2018 15:21

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC020

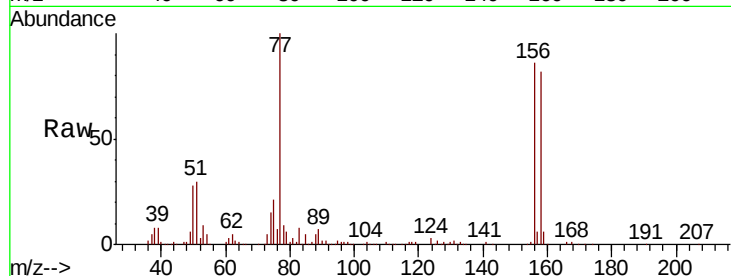
Tot Ion:156 Resp: 297219

Ion Ratio Lower Upper

156 100

77 135.7 0.0 377.4

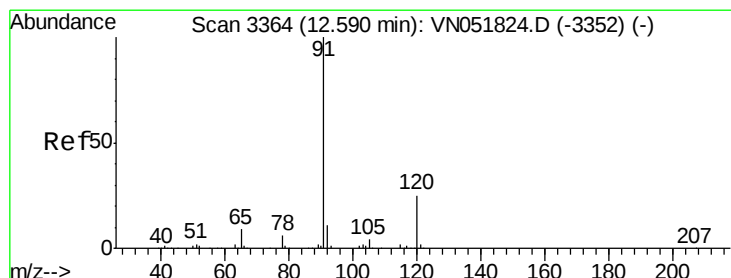
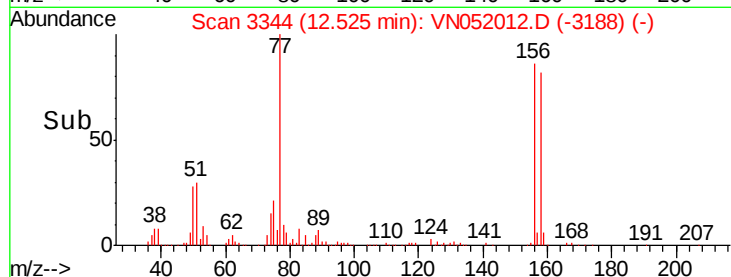
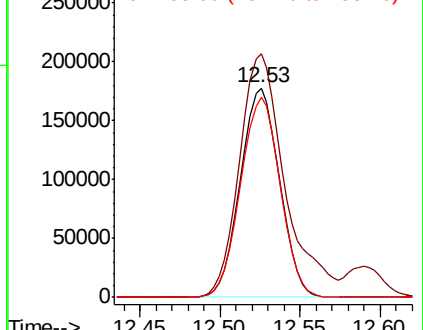
158 96.4 0.0 203.0



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 19.878 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN052012.D

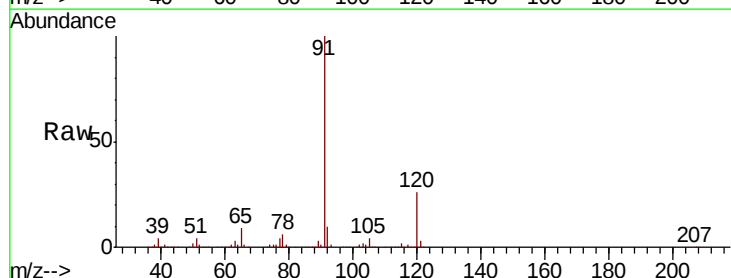
Acq: 25 Oct 2018 15:21

Tgt Ion: 91 Resp: 1144792

Ion Ratio Lower Upper

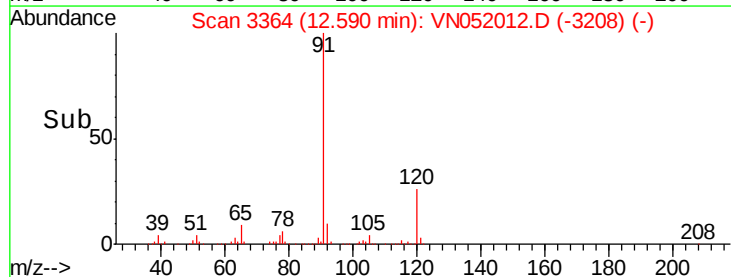
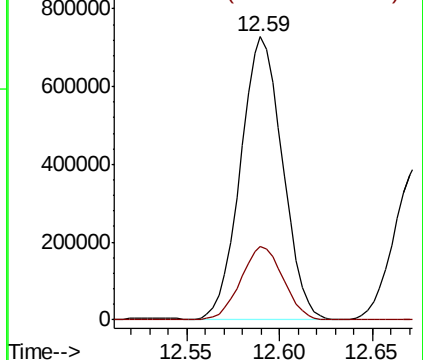
91 100

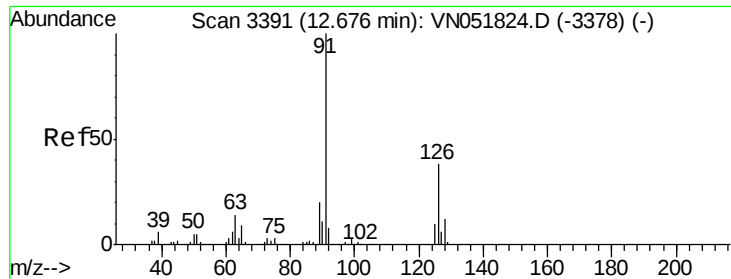
120 26.2 0.0 45.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 20.000 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN052012.D

Acq: 25 Oct 2018 15:21

Instrument :

MSVOA_N

ClientSampleId :

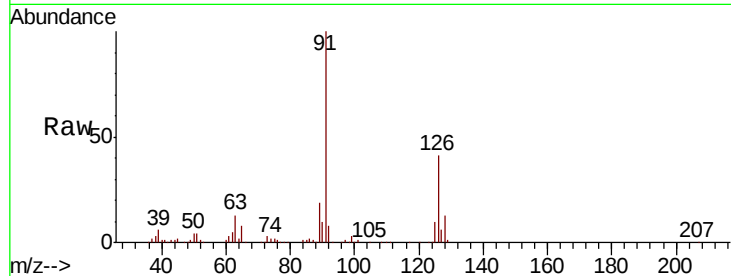
VSTDCCC020

Tot Ion: 91 Resp: 675268

Ion Ratio Lower Upper

91 100

126 39.8 0.0 67.6



Abundance Ion 91.00 (90.70 to 91.70): VN051824.D (-3378) (-)

Ion 126.00 (125.70 to 126.70): VN051824.D (-3378) (-)

800000

600000

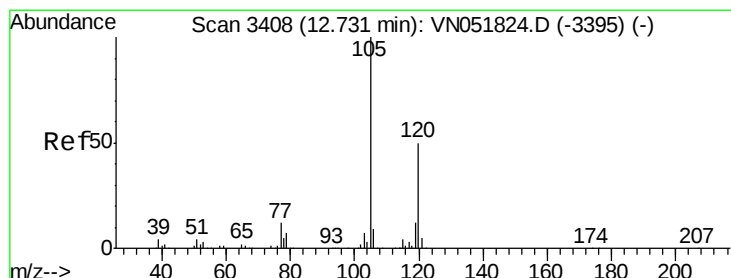
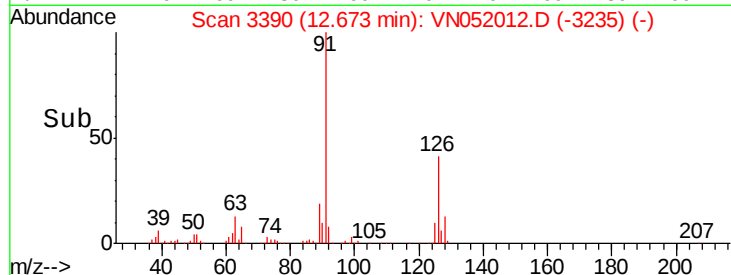
400000

200000

0

12.60 12.65 12.70

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 19.707 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN052012.D

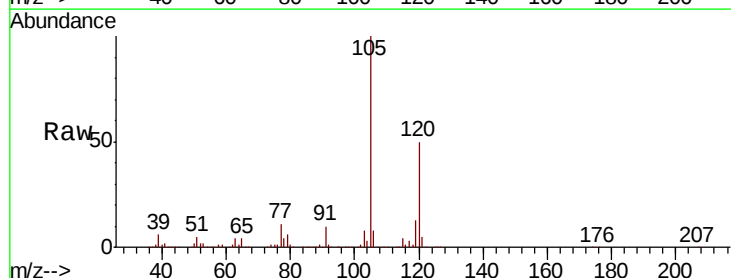
Acq: 25 Oct 2018 15:21

Tgt Ion: 105 Resp: 872542

Ion Ratio Lower Upper

105 100

120 50.5 0.0 98.2



Abundance Ion 105.00 (104.70 to 105.70): VN051824.D (-3395) (-)

Ion 120.00 (119.70 to 120.70): VN051824.D (-3395) (-)

600000

500000

400000

300000

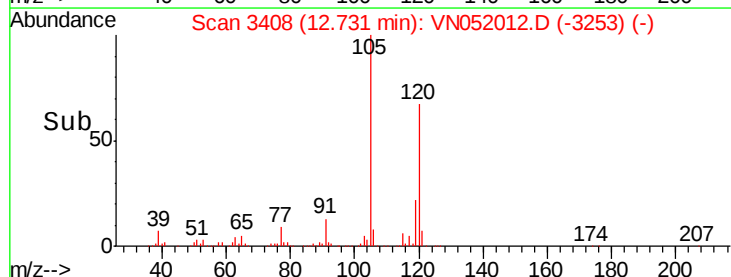
200000

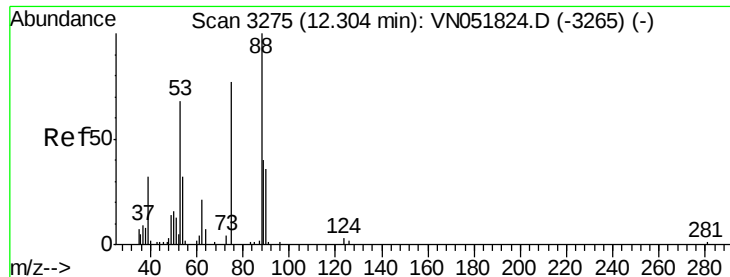
100000

0

12.65 12.70 12.75 12.80

Time-->





#77

t-1,4-Dichloro-2-butene

Concen: 14.937 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN052012.D

Acq: 25 Oct 2018 15:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

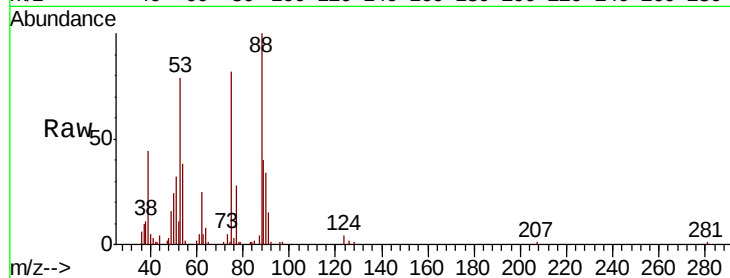
Tot Ion: 75 Resp: 41091

Ion Ratio Lower Upper

75 100

53 96.1 46.3 138.9

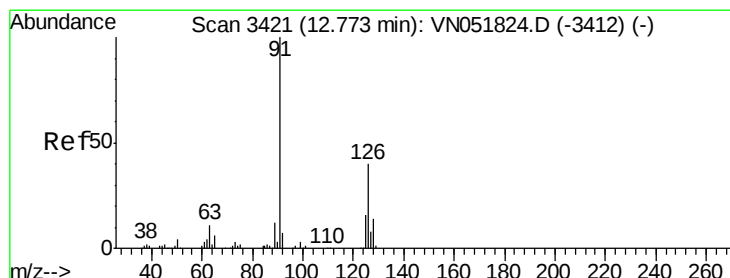
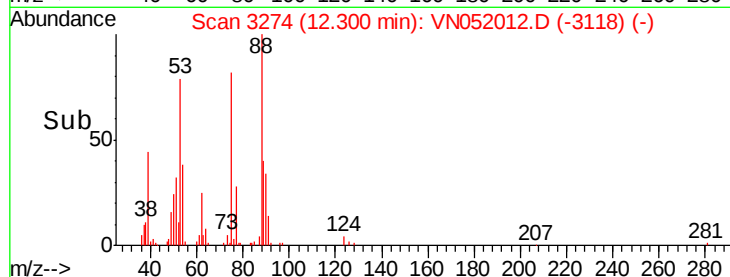
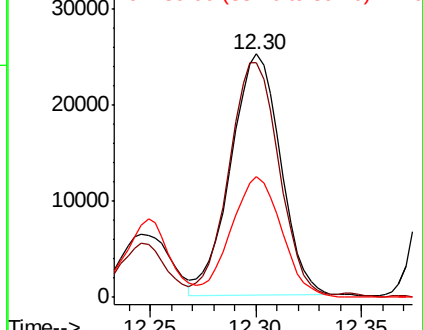
89 50.2 24.6 73.8



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 89.00 (88.70 to 89.70): VN0



#78

4-Chlorotoluene

Concen: 20.333 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN052012.D

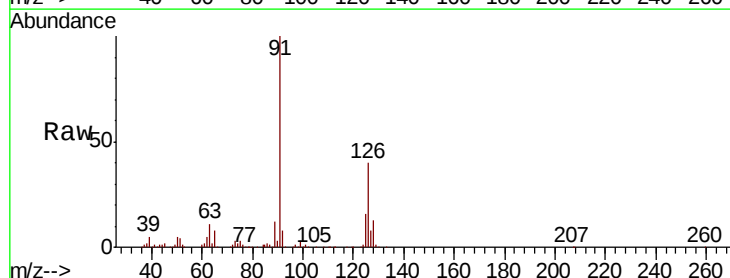
Acq: 25 Oct 2018 15:21

Tgt Ion: 91 Resp: 674501

Ion Ratio Lower Upper

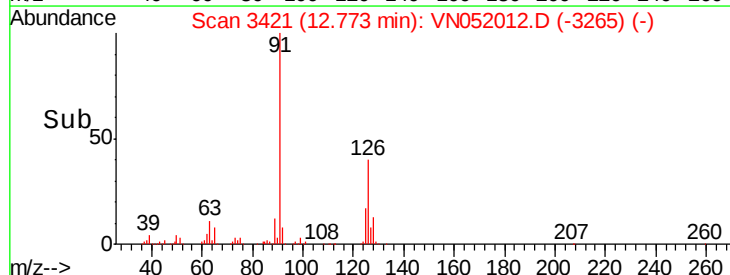
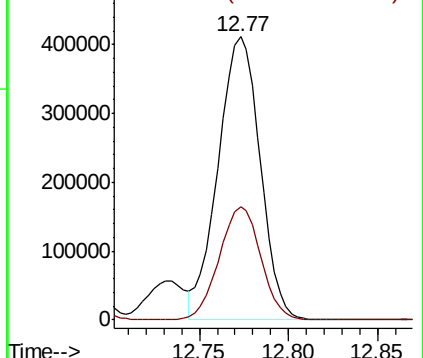
91 100

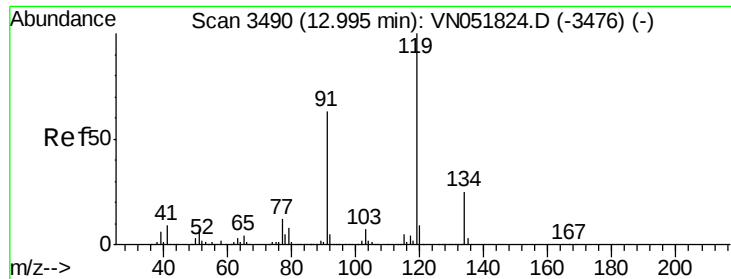
126 39.7 0.0 65.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V

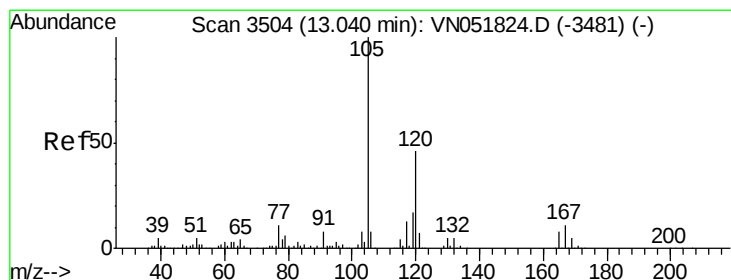
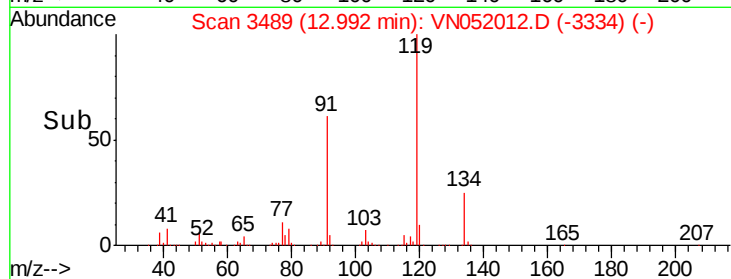
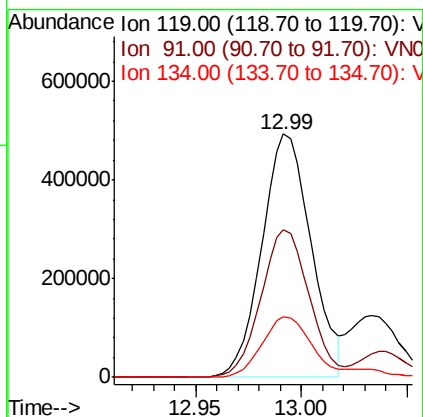
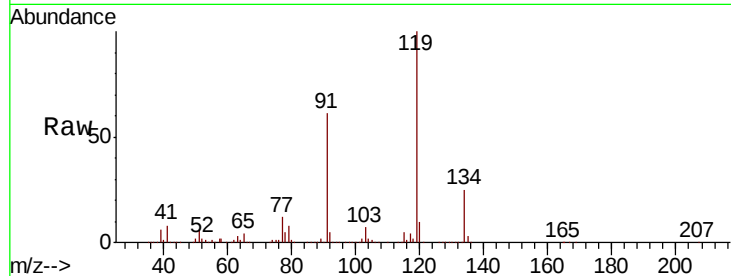




#79
tert-butylbenzene
Concen: 19.682 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN052012.D
Acq: 25 Oct 2018 15:21

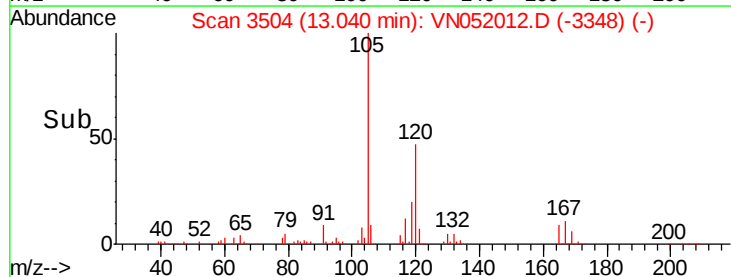
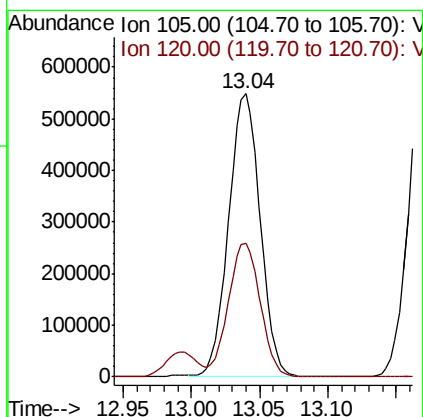
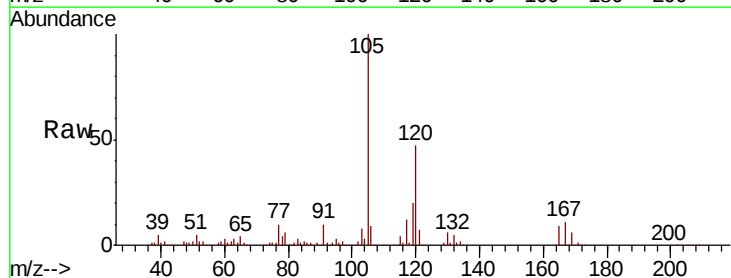
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

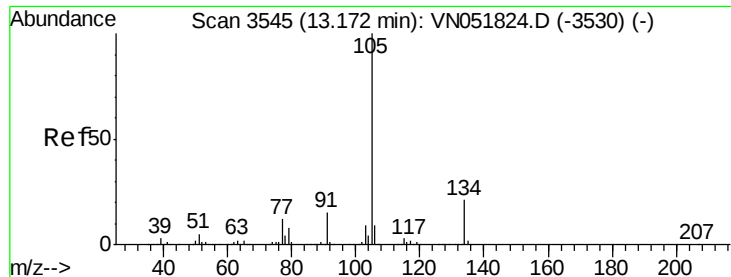
Tot Ion:119 Resp: 801379
Ion Ratio Lower Upper
119 100
91 59.4 0.0 131.6
134 25.1 0.0 46.2



#80
1,2,4-Trimethylbenzene
Concen: 19.925 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN052012.D
Acq: 25 Oct 2018 15:21

Tgt Ion:105 Resp: 881655
Ion Ratio Lower Upper
105 100
120 47.7 0.0 89.6

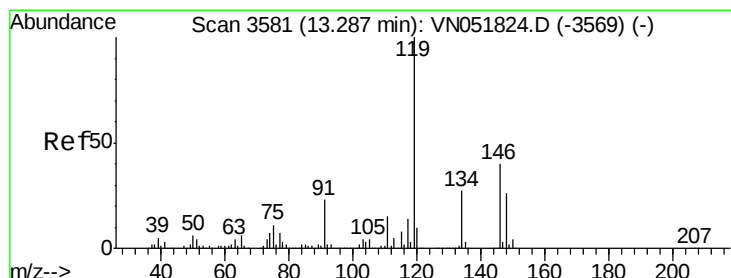
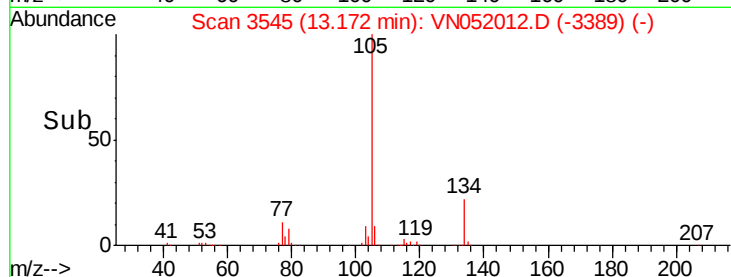
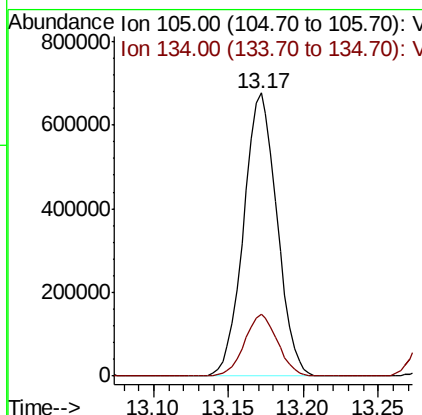
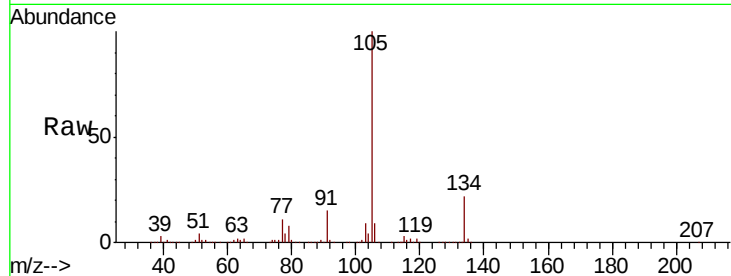




#81
 sec-Butylbenzene
 Concen: 19.710 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN052012.D
 Acq: 25 Oct 2018 15:21

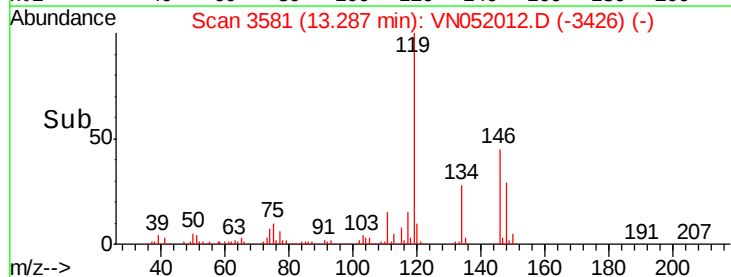
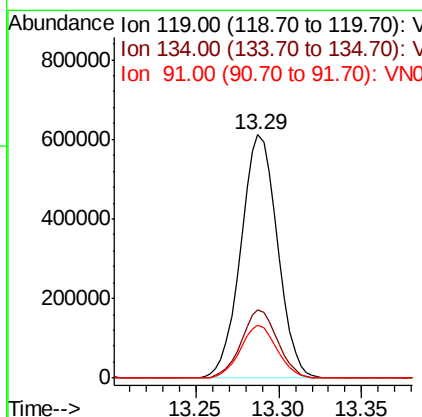
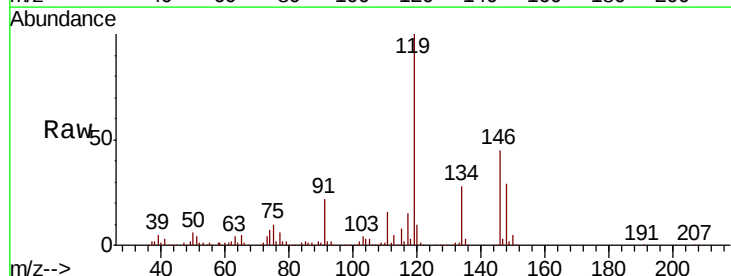
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

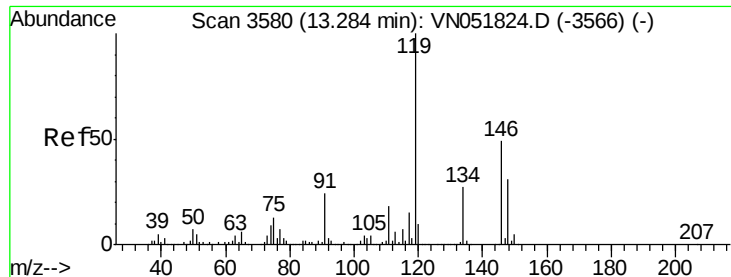
Tot Ion:105 Resp: 1049841
 Ion Ratio Lower Upper
 105 100
 134 21.6 0.0 39.4



#82
 p-Isopropyltoluene
 Concen: 19.672 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN052012.D
 Acq: 25 Oct 2018 15:21

Tgt Ion:119 Resp: 937600
 Ion Ratio Lower Upper
 119 100
 134 27.7 0.0 53.6
 91 21.5 0.0 52.0

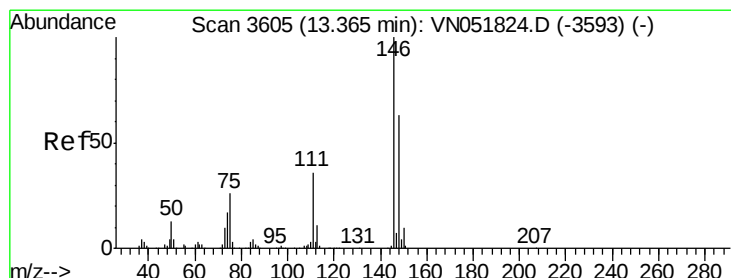
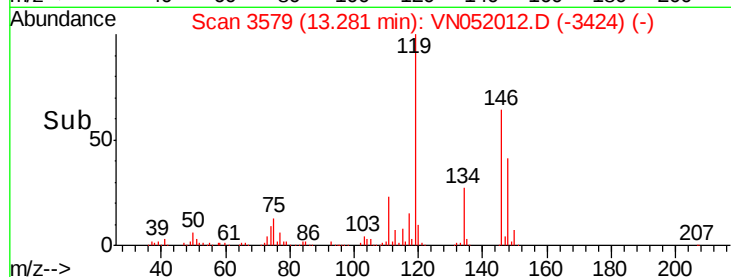
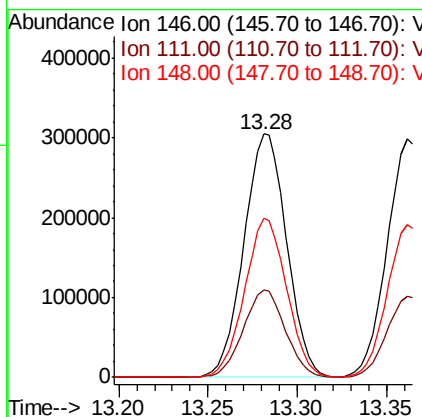
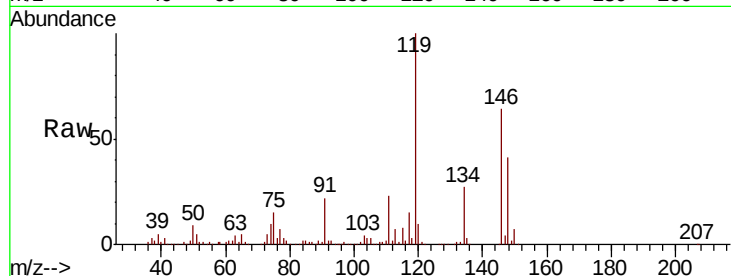




#83
 1,3-Dichlorobenzene
 Concen: 21.872 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN052012.D
 Acq: 25 Oct 2018 15:21

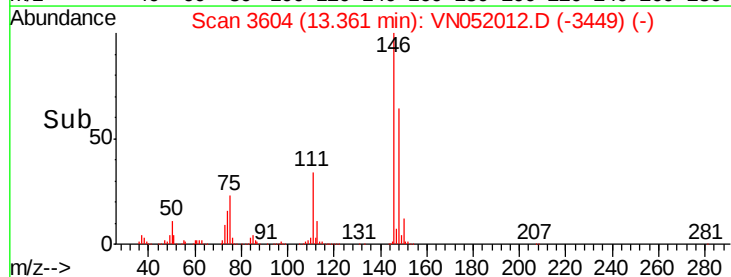
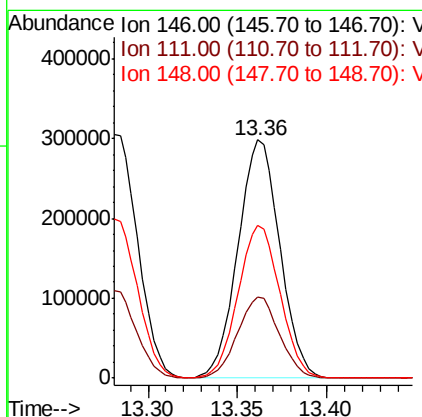
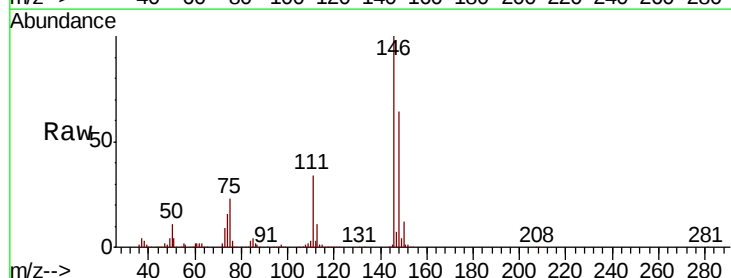
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

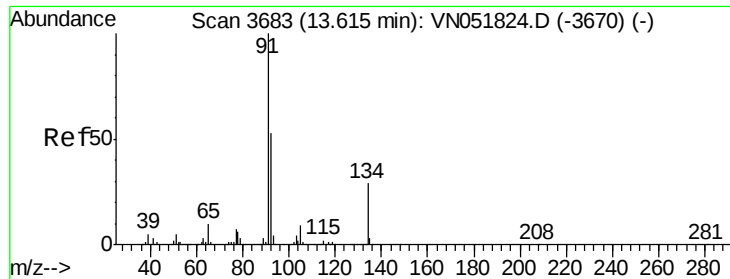
Tot Ion:146 Resp: 511820
 Ion Ratio Lower Upper
 146 100
 111 35.2 18.1 54.3
 148 64.1 31.3 93.8



#84
 1,4-Dichlorobenzene
 Concen: 22.144 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN052012.D
 Acq: 25 Oct 2018 15:21

Tgt Ion:146 Resp: 487827
 Ion Ratio Lower Upper
 146 100
 111 34.0 17.4 52.2
 148 64.4 32.8 98.3

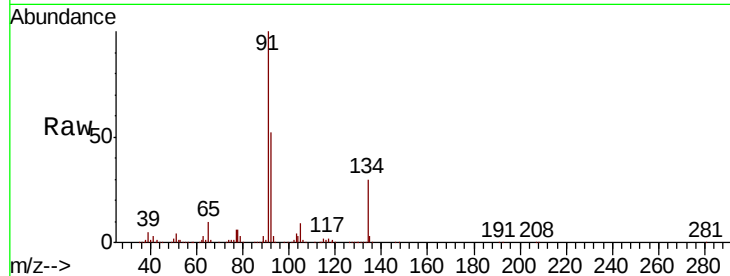




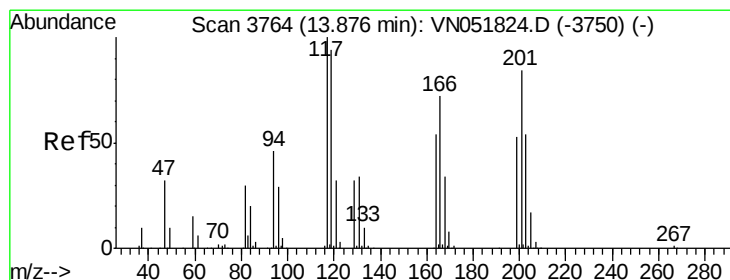
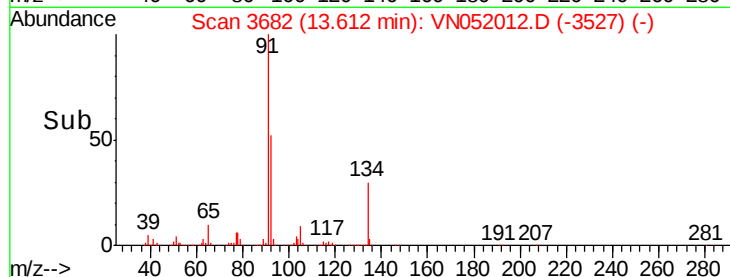
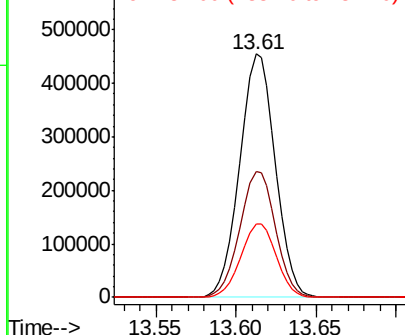
#85
n-Butylbenzene
Concen: 19.062 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN052012.D
Acq: 25 Oct 2018 15:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion: 91 Resp: 685126
Ion Ratio Lower Upper
91 100
92 52.0 0.0 97.4
134 30.2 0.0 49.6

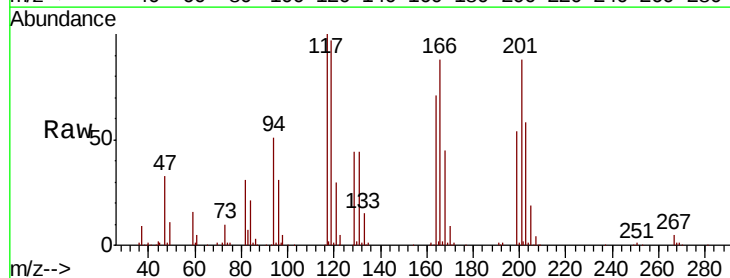


Abundance Ion 91.00 (90.70 to 91.70): VN051824.D (-3670) (-)
Ion 92.00 (91.70 to 92.70): VN051824.D (-3670) (-)
Ion 134.00 (133.70 to 134.70): VN051824.D (-3670) (-)

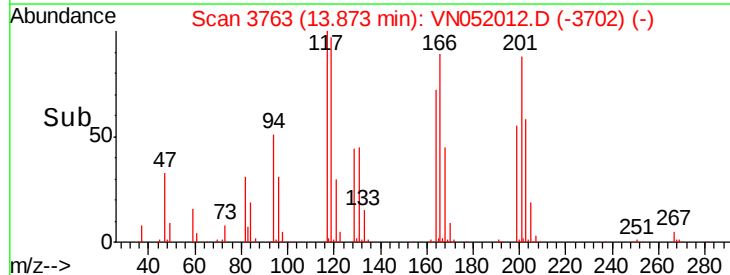
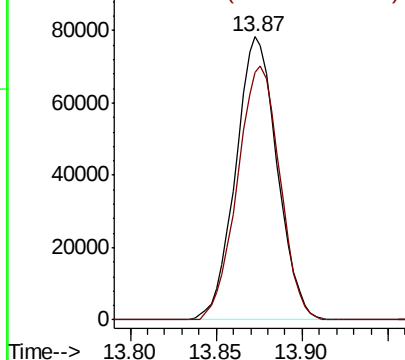


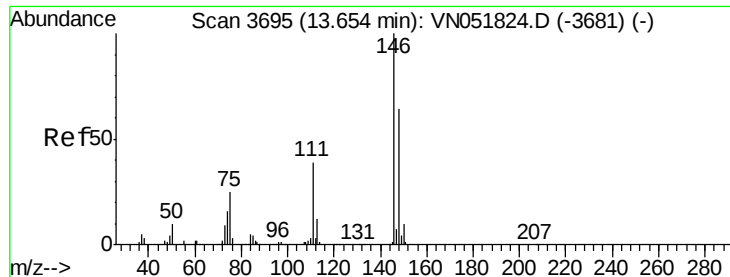
#86
Hexachloroethane
Concen: 15.976 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN052012.D
Acq: 25 Oct 2018 15:21

Tgt Ion: 117 Resp: 131292
Ion Ratio Lower Upper
117 100
201 91.5 47.8 143.3



Abundance Ion 117.00 (116.70 to 117.70): VN051824.D (-3750) (-)
Ion 201.00 (200.70 to 201.70): VN051824.D (-3750) (-)

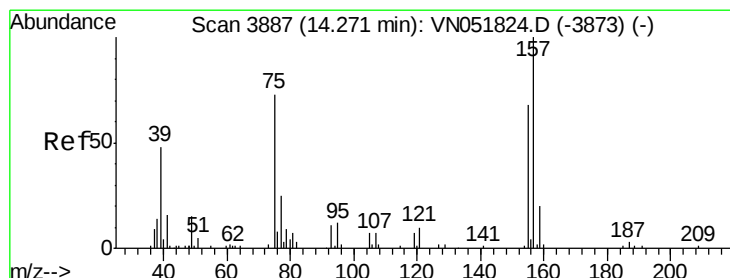
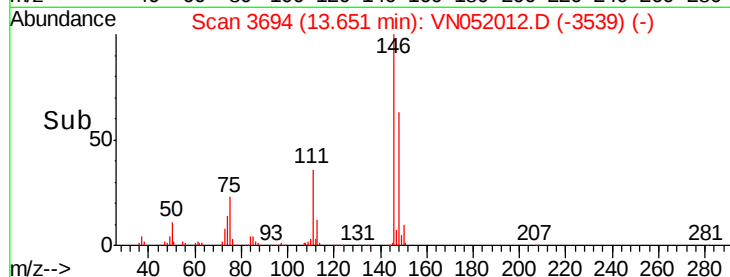
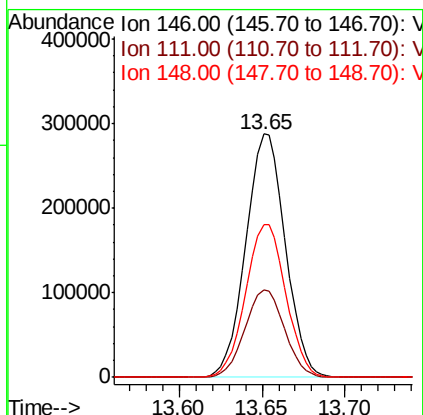
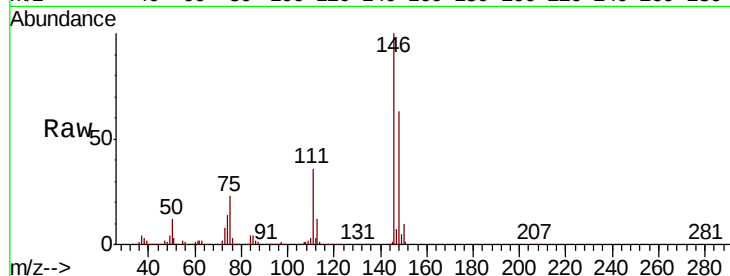




#87
 1,2-Dichlorobenzene
 Concen: 20.987 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN052012.D
 Acq: 25 Oct 2018 15:21

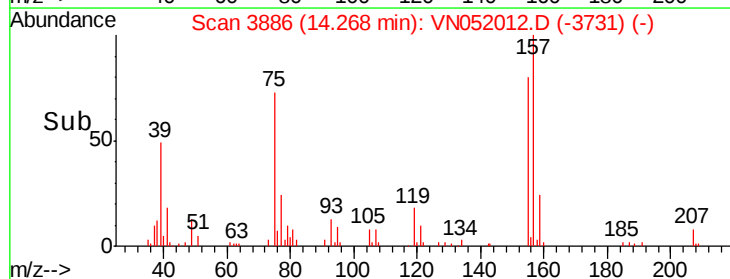
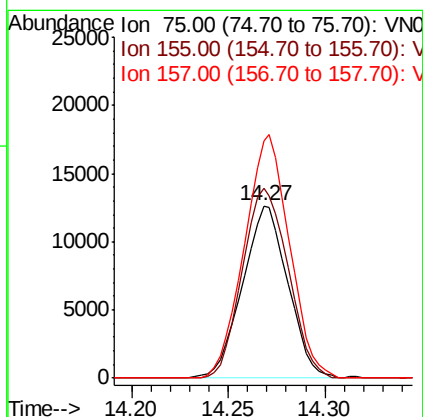
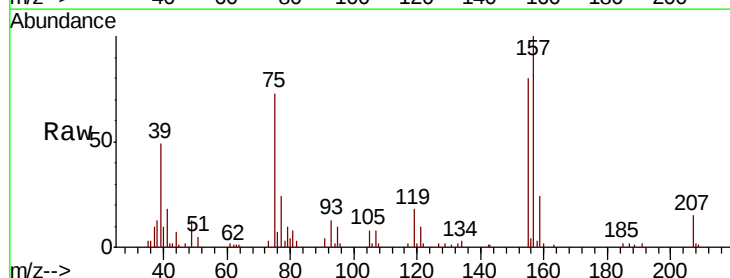
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

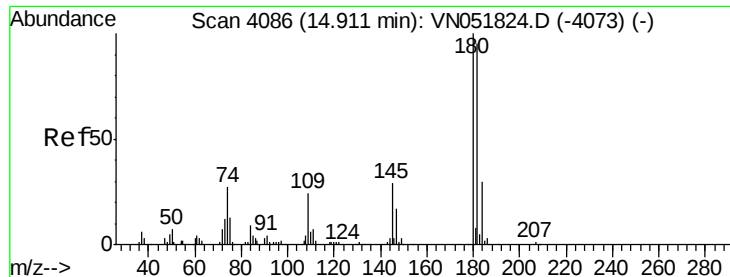
Tot Ion:146 Resp: 475453
 Ion Ratio Lower Upper
 146 100
 111 36.2 20.8 62.2
 148 64.1 33.2 99.6



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 13.078 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN052012.D
 Acq: 25 Oct 2018 15:21

Tgt Ion: 75 Resp: 20651
 Ion Ratio Lower Upper
 75 100
 155 111.7 57.0 85.6#
 157 140.2 87.4 131.0#

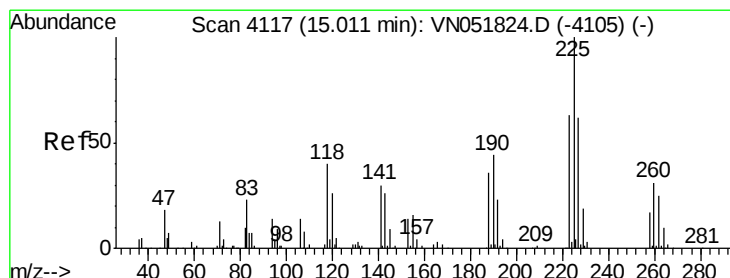
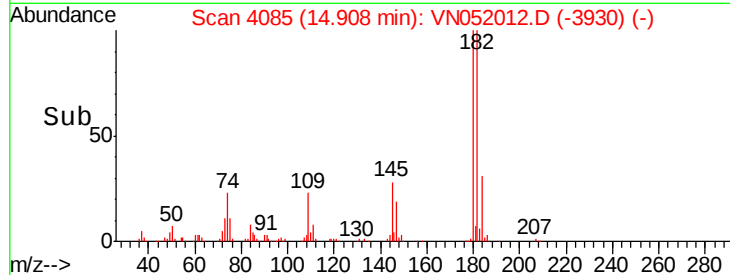
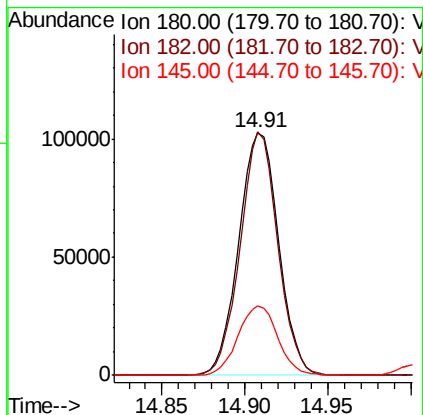
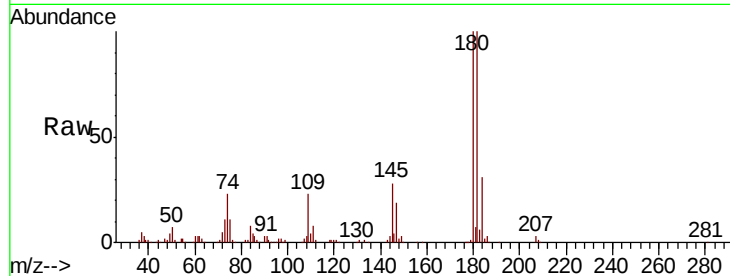




#89
 1,2,4-Trichlorobenzene
 Concen: 19.174 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN052012.D
 Acq: 25 Oct 2018 15:21

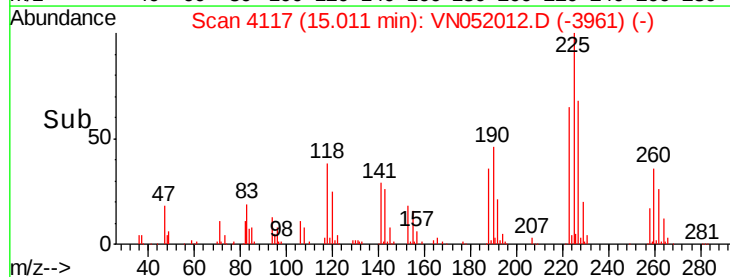
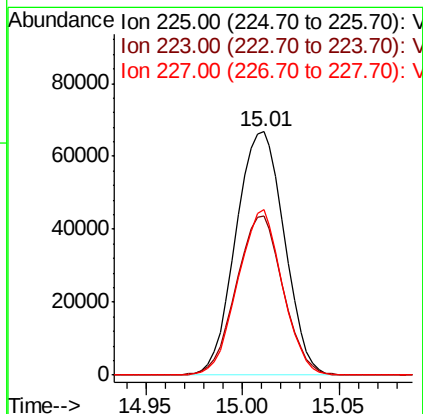
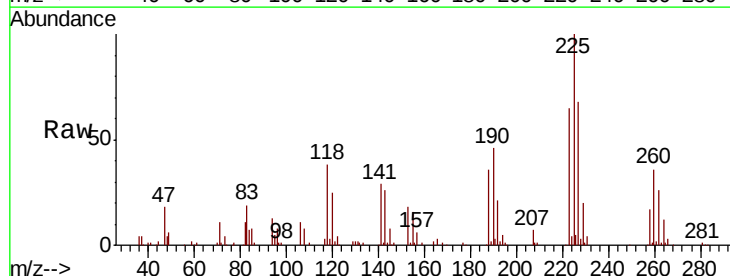
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

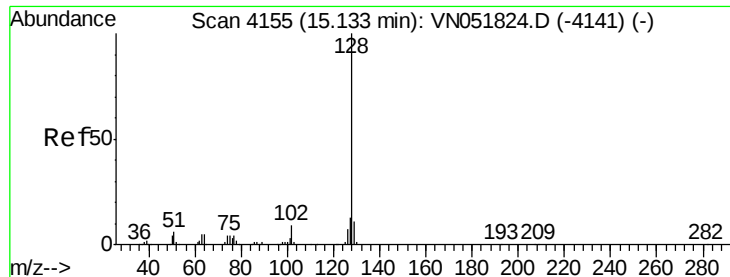
Tot Ion:180 Resp: 171158
 Ion Ratio Lower Upper
 180 100
 182 94.5 77.7 116.5
 145 28.5 23.4 35.2



#90
 Hexachlorobutadiene
 Concen: 15.954 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN052012.D
 Acq: 25 Oct 2018 15:21

Tgt Ion:225 Resp: 116481
 Ion Ratio Lower Upper
 225 100
 223 63.2 0.0 117.0
 227 62.4 0.0 127.0





#91

Naphthalene

Concen: 18.275 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN052012.D

Acq: 25 Oct 2018 15:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

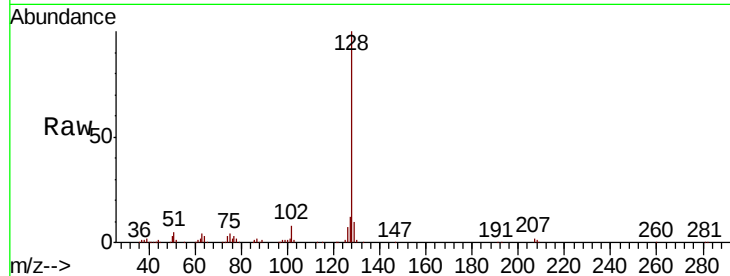
Tot Ion:128 Resp: 301865

Ion Ratio Lower Upper

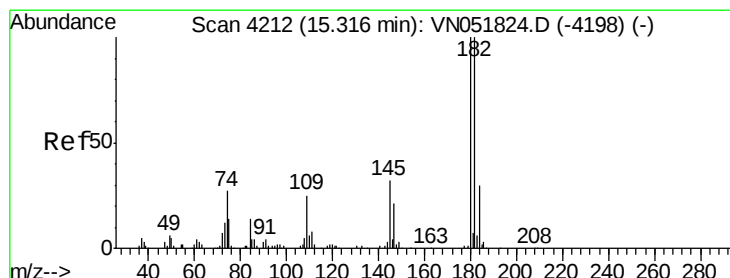
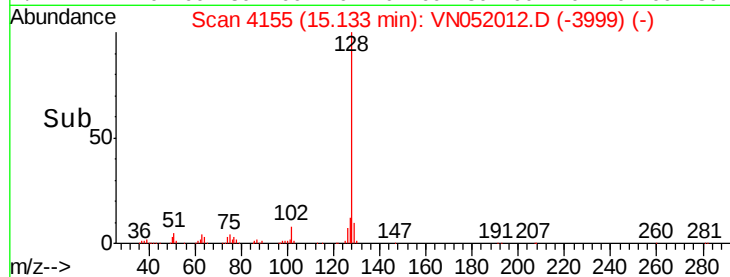
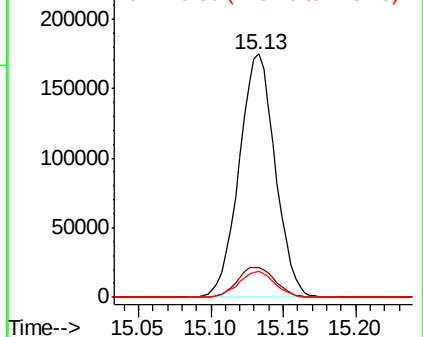
128 100

127 12.9 10.1 15.1

129 10.7 8.4 12.6



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: 13.174 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN052012.D

Acq: 25 Oct 2018 15:21

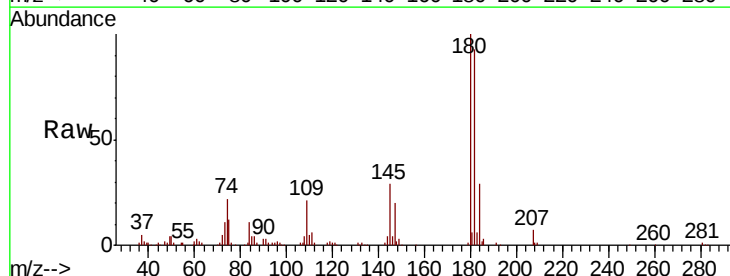
Tgt Ion:180 Resp: 135784

Ion Ratio Lower Upper

180 100

182 96.6 0.0 198.0

145 30.4 0.0 36.8



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

