

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032419\
 Data File : VN054649.D
 Acq On : 24 Mar 2019 15:41
 Operator : JC/SP
 Sample : VN0324MBSD01
 Misc : 5.00µ/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 25 06:14:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 02:09:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	436168	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	731953	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	634359	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	269851	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	300712	55.43	ug/l	0.00
Spiked Amount			Recovery	=	110.86%	
35) Dibromofluoromethane	7.59	113	233440	49.50	ug/l	0.00
Spiked Amount			Recovery	=	99.00%	
50) Toluene-d8	10.09	98	878915	49.58	ug/l	0.00
Spiked Amount			Recovery	=	99.16%	
62) 4-Bromofluorobenzene	12.40	95	294853	48.88	ug/l	0.00
Spiked Amount			Recovery	=	97.76%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	94353	22.629	ug/l	98
3) Chloromethane	2.06	50	124491	21.944	ug/l	99
4) Vinyl Chloride	2.19	62	110974	19.483	ug/l	99
5) Bromomethane	2.58	94	63821	17.328	ug/l	96
6) Chloroethane	2.71	64	62416	18.270	ug/l	96
7) Trichlorofluoromethane	3.03	101	140720	20.344	ug/l	99
8) Diethyl Ether	3.41	74	48135	18.094	ug/l	70
9) 1,1,2-Trichlorotrifluoroet	3.75	101	75386	18.544	ug/l	94
10) Methyl Iodide	3.95	142	103969	17.386	ug/l #	90
11) Tert butyl alcohol	4.81	59	32951	100.321	ug/l #	70
12) 1,1-Dichloroethene	3.73	96	74538	17.718	ug/l #	80
13) Acrolein	3.61	56	21076	46.497	ug/l	91
14) Allyl chloride	4.32	41	169149	21.352	ug/l #	90
15) Acrylonitrile	5.00	53	183399	112.124	ug/l	100
16) Acetone	3.82	43	131555	80.654	ug/l #	82
17) Carbon Disulfide	4.04	76	185963	16.497	ug/l	97
18) Methyl Acetate	4.33	43	83478	22.962	ug/l #	89
19) Methyl tert-butyl Ether	5.05	73	268155	21.841	ug/l	94
20) Methylene Chloride	4.55	84	103835	21.596	ug/l #	84
21) trans-1,2-Dichloroethene	5.04	96	93005	21.650	ug/l	86
22) Diisopropyl ether	5.96	45	367761	23.535	ug/l #	95
23) Vinyl Acetate	5.90	43	1244667	112.780	ug/l #	92
24) 1,1-Dichloroethane	5.85	63	192933	22.931	ug/l	100
25) 2-Butanone	6.85	43	221968	106.234	ug/l	90
26) 2,2-Dichloropropane	6.82	77	117419	19.578	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	109559	21.382	ug/l	88
28) Bromochloromethane	7.19	49	96657	23.339	ug/l #	73
29) Tetrahydrofuran	7.22	42	153474	113.189	ug/l #	84
30) Chloroform	7.37	83	182185	22.188	ug/l	99
31) Cyclohexane	7.65	56	182136	21.535	ug/l	90
32) 1,1,1-Trichloroethane	7.57	97	146720	21.659	ug/l	95
36) 1,1-Dichloropropene	7.79	75	137322	20.065	ug/l	94
37) Ethyl Acetate	6.94	43	101716	20.897	ug/l	95
38) Carbon Tetrachloride	7.77	117	124376	18.701	ug/l	98

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 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 02:09:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	151633	19.369	ug/l	91
40) Benzene	8.04	78	404526	20.670	ug/l	99
41) Methacrylonitrile	7.17	41	65283	21.992	ug/l #	84
42) 1,2-Dichloroethane	8.13	62	147861	20.746	ug/l	98
43) Isopropyl Acetate	8.17	43	169453	20.613	ug/l #	95
44) Trichloroethene	8.83	130	105005	19.299	ug/l	91
45) 1,2-Dichloropropane	9.12	63	116517	22.172	ug/l	99
46) Dibromomethane	9.21	93	64750	20.654	ug/l	88
47) Bromodichloromethane	9.40	83	130610	20.074	ug/l	94
48) Methyl methacrylate	9.20	41	90778	20.345	ug/l #	85
49) 1,4-Dioxane	9.20	88	18575	372.387	ug/l #	87
51) 4-Methyl-2-Pentanone	9.99	43	485331	106.528	ug/l	94
52) Toluene	10.16	92	241480	20.062	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	112944	17.953	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	146743	19.670	ug/l	93
55) 1,1,2-Trichloroethane	10.56	97	88468	20.447	ug/l	96
56) Ethyl methacrylate	10.43	69	114038	19.637	ug/l #	79
57) 1,3-Dichloropropane	10.71	76	158796	21.113	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	192737	80.598	ug/l	90
59) 2-Hexanone	10.75	43	299364	100.597	ug/l	90
60) Dibromochloromethane	10.90	129	86210	18.725	ug/l	99
61) 1,2-Dibromoethane	11.00	107	83434	19.505	ug/l	99
64) Tetrachloroethene	10.63	164	104877	19.932	ug/l	97
65) Chlorobenzene	11.43	112	260546	20.194	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	89598	19.348	ug/l	97
67) Ethyl Benzene	11.51	91	466507	20.469	ug/l	98
68) m/p-Xylenes	11.62	106	343370	39.776	ug/l	96
69) o-Xylene	11.95	106	170980	20.281	ug/l	97
70) Styrene	11.96	104	276257	20.179	ug/l	96
71) Bromoform	12.13	173	49846	17.140	ug/l #	97
73) Isopropylbenzene	12.25	105	451107	20.745	ug/l	98
74) N-amyl acetate	12.07	43	136593	21.846	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.50	83	105917	21.338	ug/l	97
76) 1,2,3-Trichloropropane	12.55	75	124019	28.962	ug/l #	100
77) Bromobenzene	12.53	156	109352	20.276	ug/l	88
78) n-propylbenzene	12.59	91	487863	20.690	ug/l	96
79) 2-Chlorotoluene	12.67	91	299213	20.349	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	369539	20.735	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.30	75	16892	15.908	ug/l #	63
82) 4-Chlorotoluene	12.77	91	287597	20.178	ug/l	97
83) tert-Butylbenzene	12.99	119	321492	20.724	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	358184	20.483	ug/l	97
85) sec-Butylbenzene	13.17	105	397275	20.543	ug/l	97
86) p-Isopropyltoluene	13.29	119	350734	20.272	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	176287	19.725	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	170719	19.633	ug/l	98
89) n-Butylbenzene	13.61	91	270754	20.014	ug/l	98
90) Hexachloroethane	13.87	117	47815	17.804	ug/l	93
91) 1,2-Dichlorobenzene	13.65	146	181088	20.919	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	13922	19.121	ug/l	87

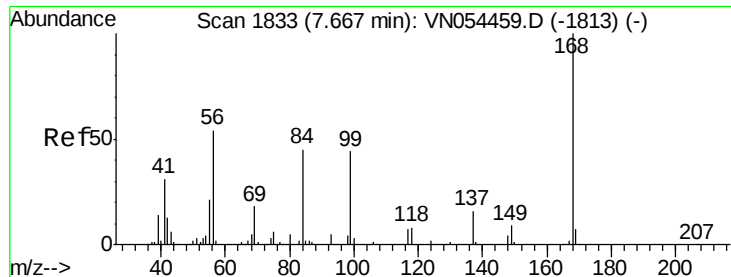
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Quant Title : SW846 8260
QLast Update : Fri Mar 22 02:09:07 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	82001	19.002	ug/l	99
94) Hexachlorobutadiene	15.01	225	53982	20.818	ug/l	98
95) Naphthalene	15.13	128	185450	19.267	ug/l	98
96) 1,2,3-Trichlorobenzene	15.31	180	85819	19.981	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN054649.D

Acq: 24 Mar 2019 15:41

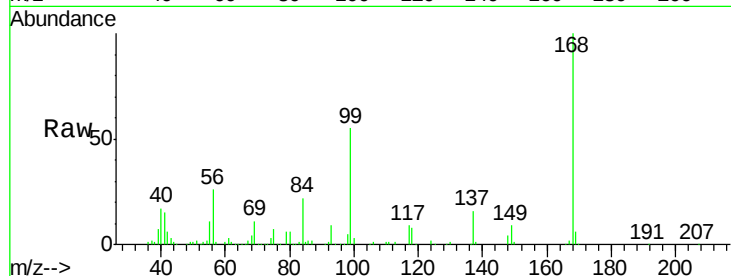
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 436168

Ion Ratio Lower Upper

168 100

99 53.4 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

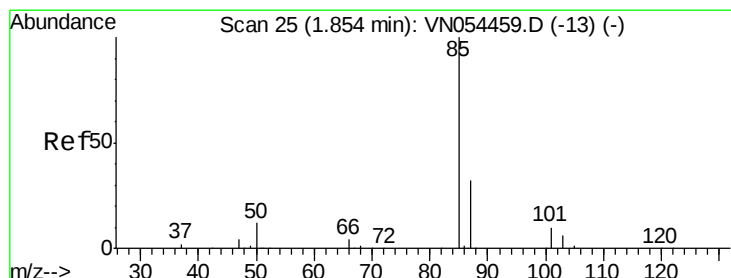
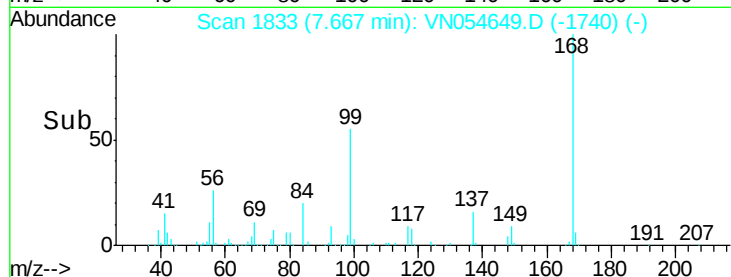
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 22.629 ug/l

RT: 1.85 min Scan# 25

Delta R.T. -0.00 min

Lab File: VN054649.D

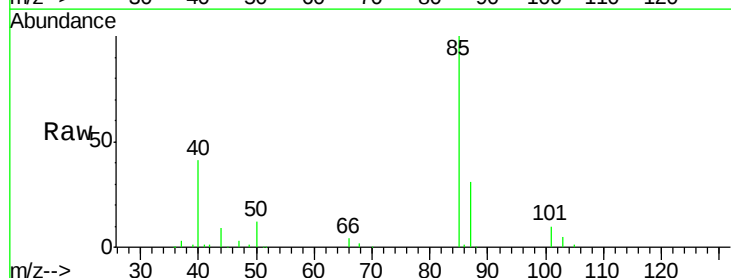
Acq: 24 Mar 2019 15:41

Tgt Ion: 85 Resp: 94353

Ion Ratio Lower Upper

85 100

87 30.9 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

80000

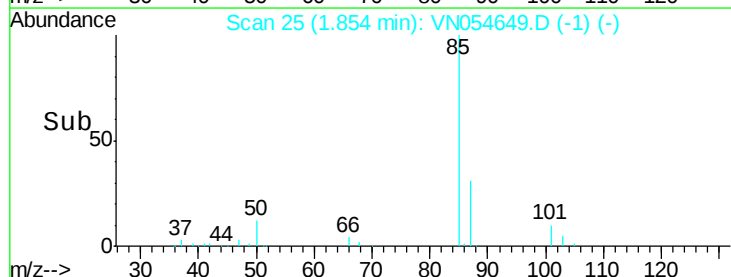
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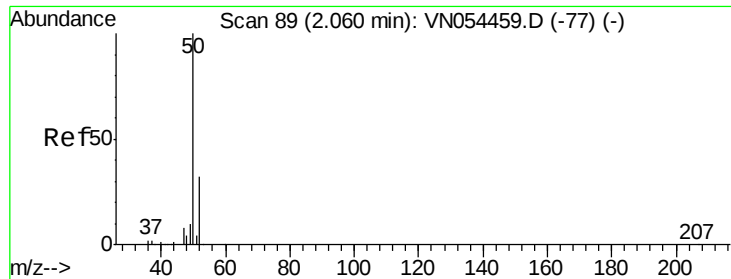
40000

20000

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Time-->





#3

Chloromethane

Concen: 21.944 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN054649.D

Acq: 24 Mar 2019 15:41

Instrument :

MSVOA_N

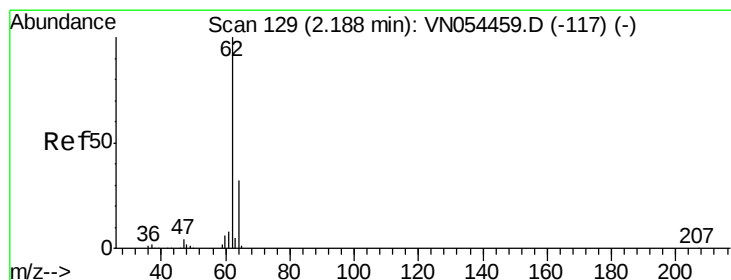
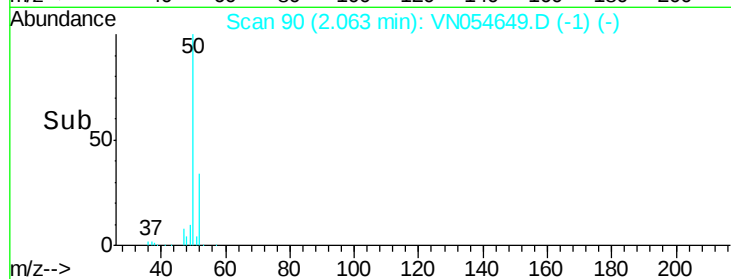
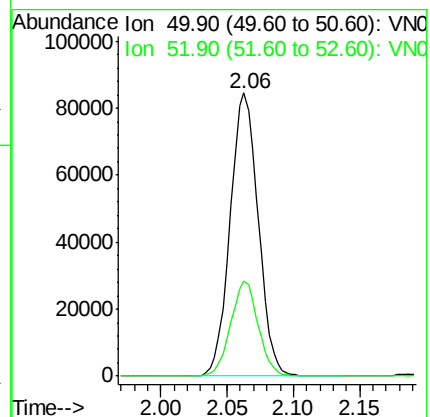
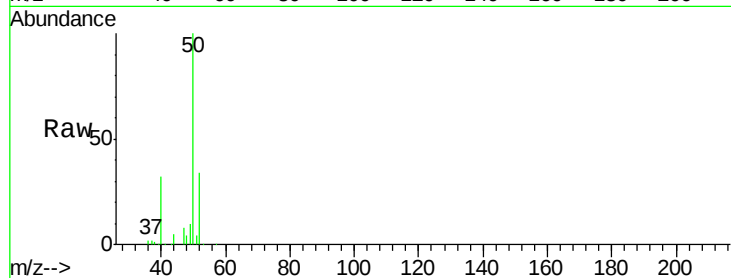
ClientSampleId :

Tot Ion: 50 Resp: 124491

Ion Ratio Lower Upper

50 100

52 33.7 26.4 39.6



#4

Vinyl Chloride

Concen: 19.483 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN054649.D

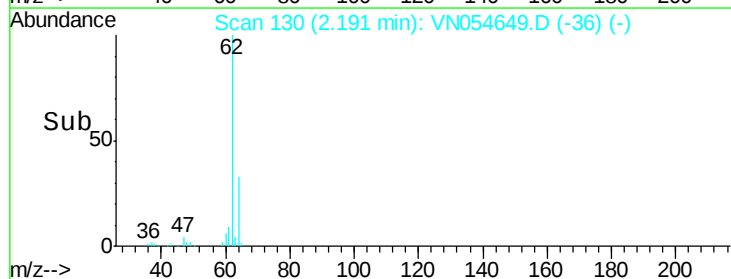
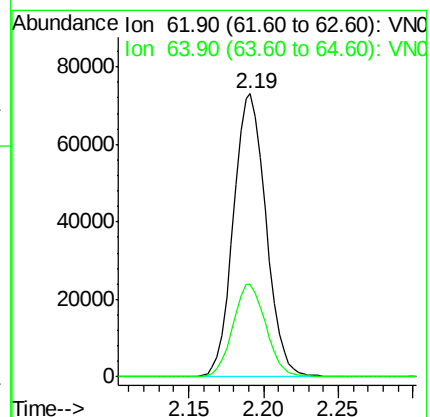
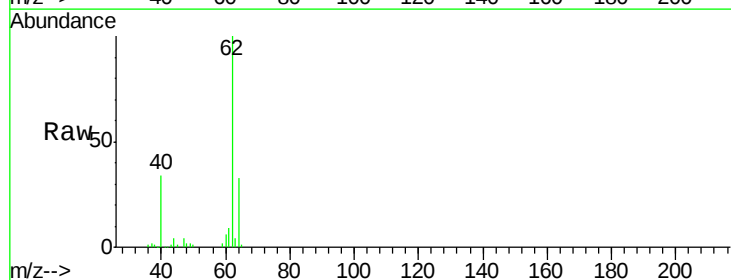
Acq: 24 Mar 2019 15:41

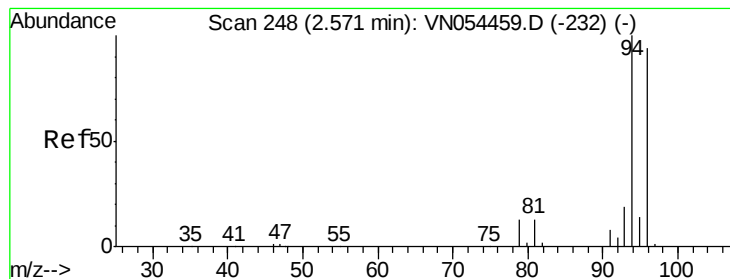
Tgt Ion: 62 Resp: 110974

Ion Ratio Lower Upper

62 100

64 32.7 25.5 38.3





#5

Bromomethane

Concen: 17.328 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.01 min

Lab File: VN054649.D

Acq: 24 Mar 2019 15:41

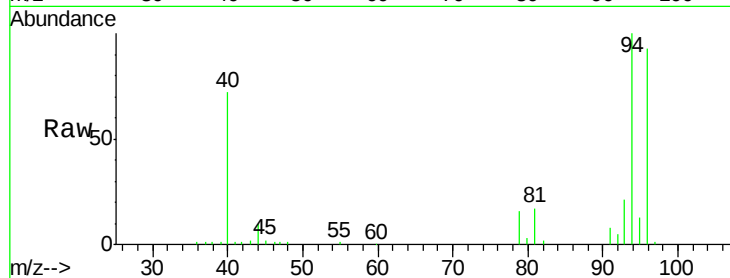
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 94 Resp: 63821

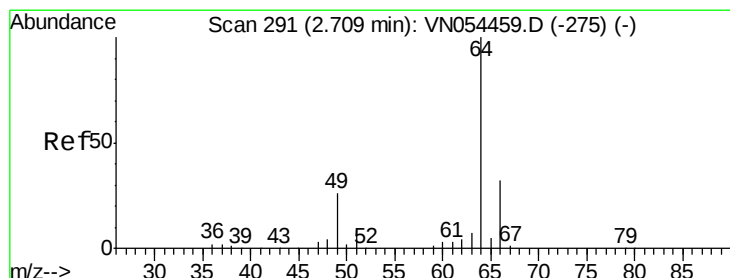
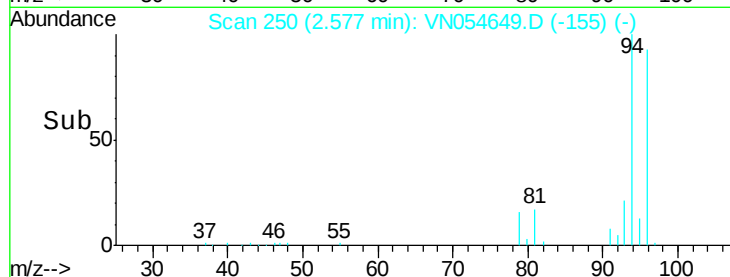
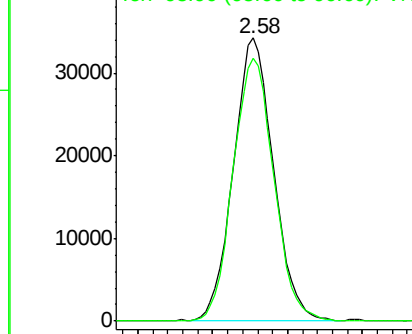
Ion Ratio Lower Upper

94 100

96 92.8 77.0 115.4



Abundance Ion 93.90 (93.60 to 94.60): VNO
Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 18.270 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN054649.D

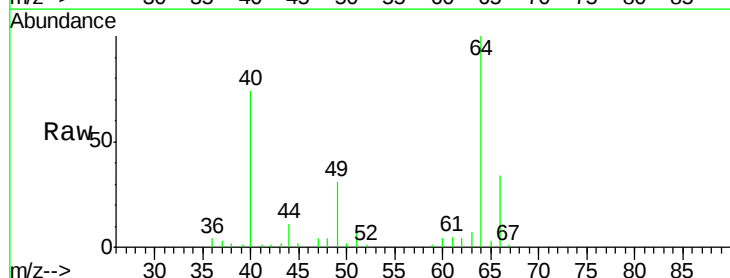
Acq: 24 Mar 2019 15:41

Tgt Ion: 64 Resp: 62416

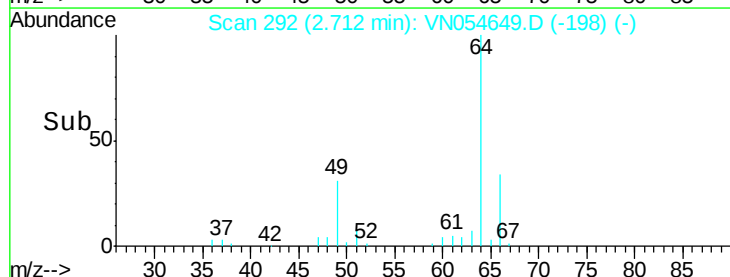
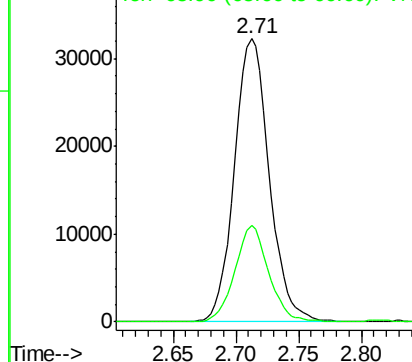
Ion Ratio Lower Upper

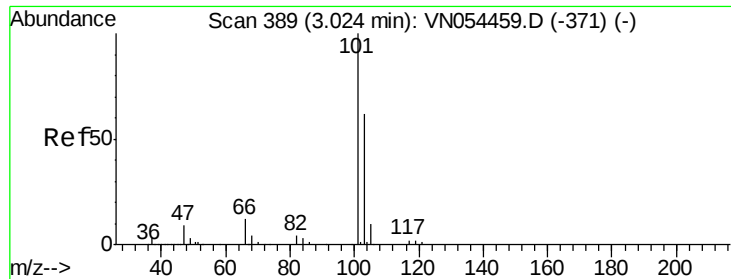
64 100

66 34.2 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VNO
Ion 65.90 (65.60 to 66.60): VNO



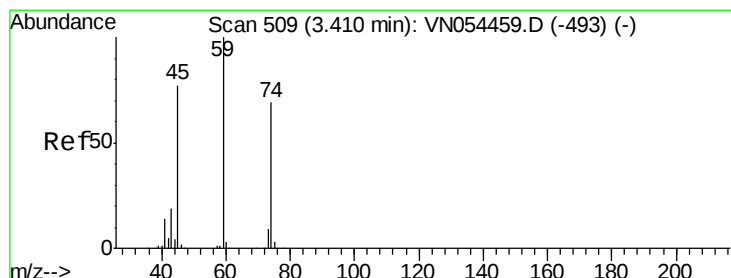
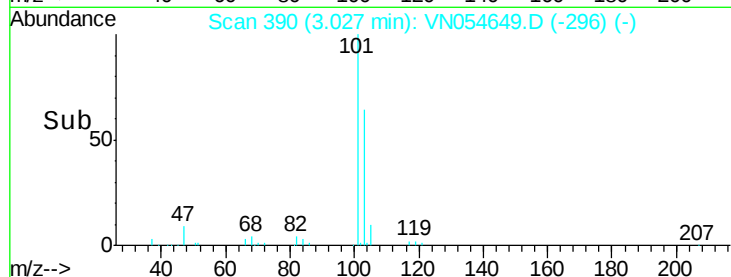
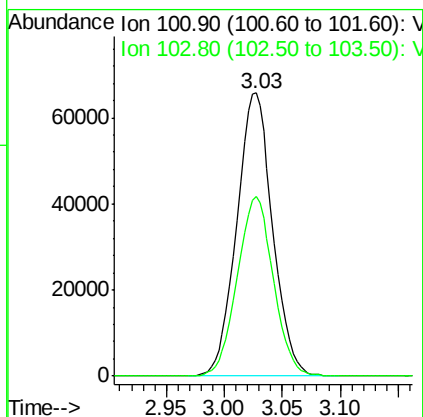
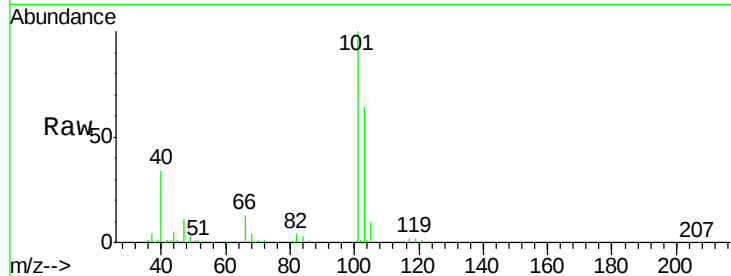


#7

Trichlorofluoromethane
Concen: 20.344 ug/l
RT: 3.03 min Scan# 390
Delta R.T. 0.00 min
Lab File: VN054649.D
Acq: 24 Mar 2019 15:41

Instrument :
MSVOA_N
ClientSampleId :

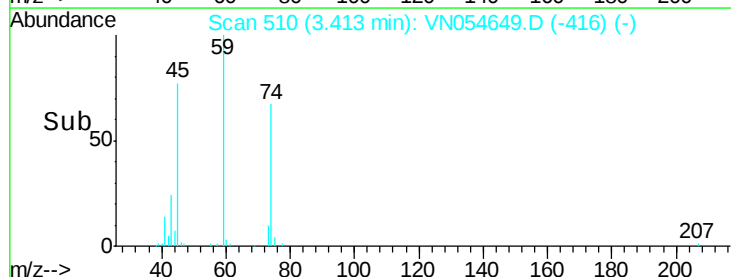
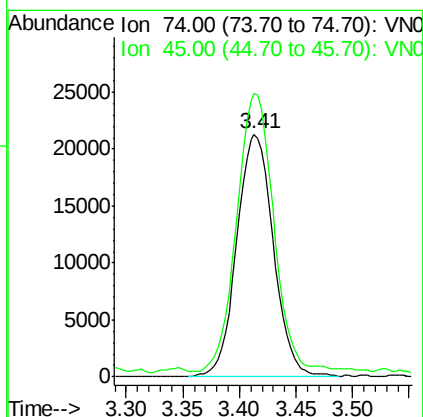
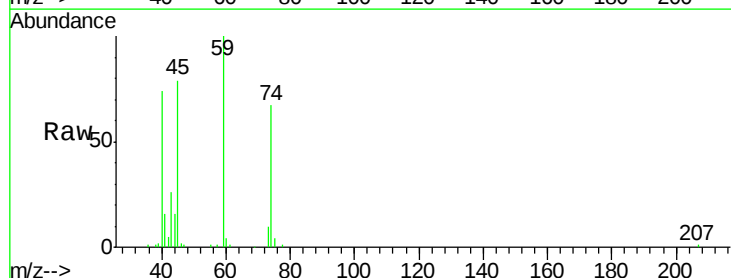
Tot Ion:101 Resp: 140720
Ion Ratio Lower Upper
101 100
103 63.7 51.4 77.2

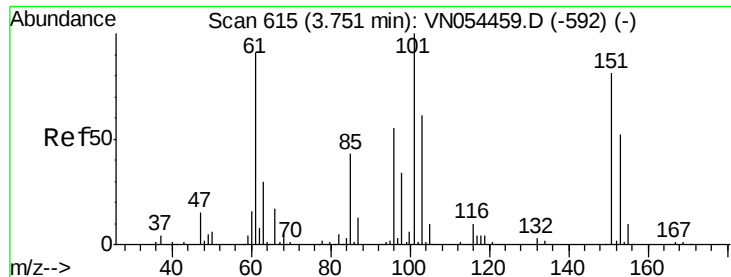


#8

Diethyl Ether
Concen: 18.094 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN054649.D
Acq: 24 Mar 2019 15:41

Tgt Ion: 74 Resp: 48135
Ion Ratio Lower Upper
74 100
45 113.9 43.1 129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.544 ug/l

RT: 3.75 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN054649.D

Acq: 24 Mar 2019 15:41

Instrument :

MSVOA_N

ClientSampled :

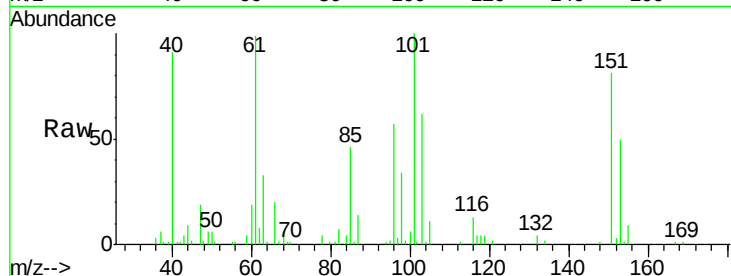
Tot Ion:101 Resp: 75386

Ion Ratio Lower Upper

101 100

85 44.2 32.4 48.6

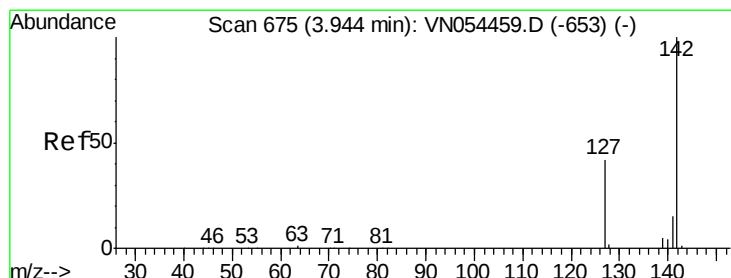
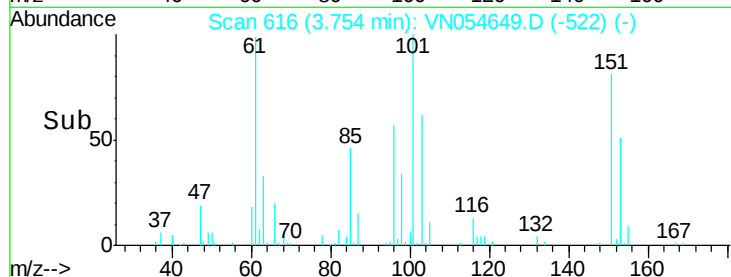
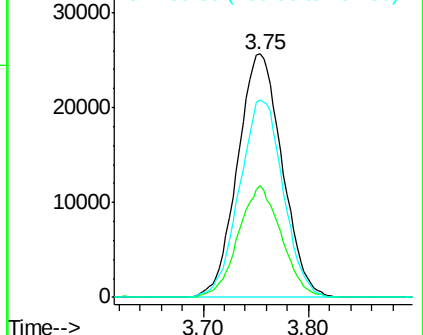
151 79.6 68.2 102.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 17.386 ug/l

RT: 3.95 min Scan# 676

Delta R.T. 0.00 min

Lab File: VN054649.D

Acq: 24 Mar 2019 15:41

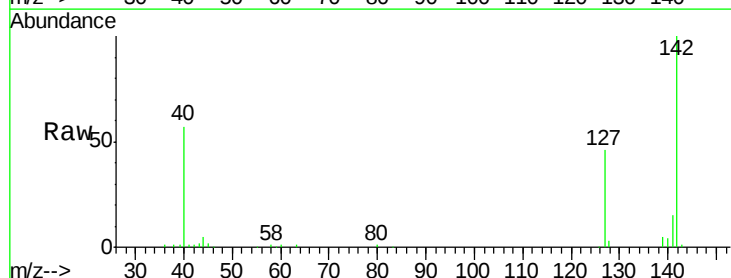
Tgt Ion:142 Resp: 103969

Ion Ratio Lower Upper

142 100

127 45.9 30.3 45.5#

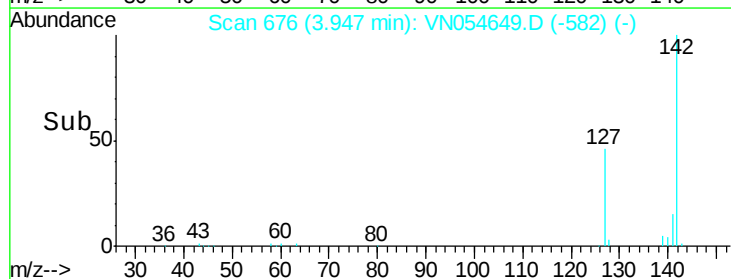
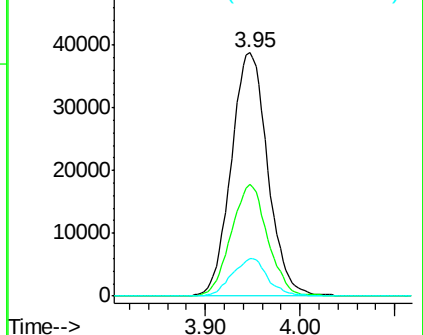
141 15.1 11.2 16.8

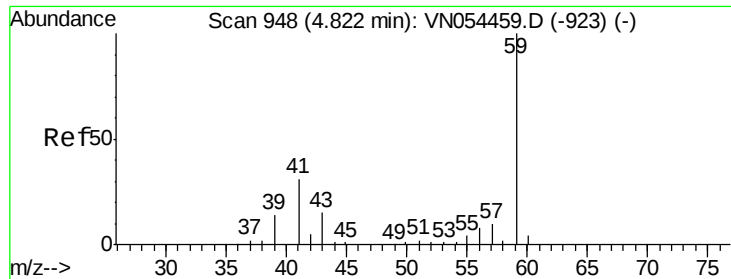


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

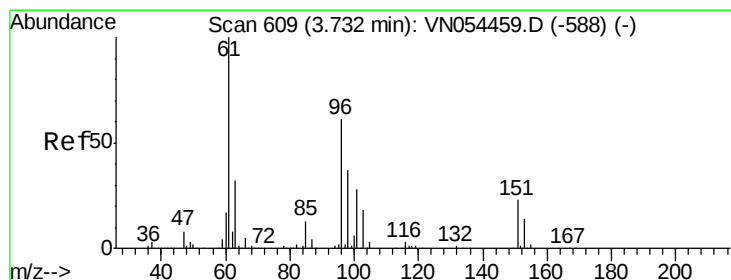
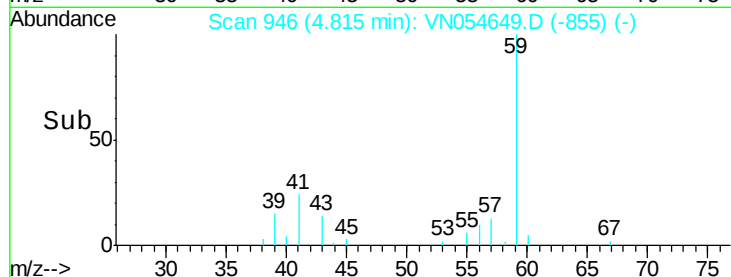
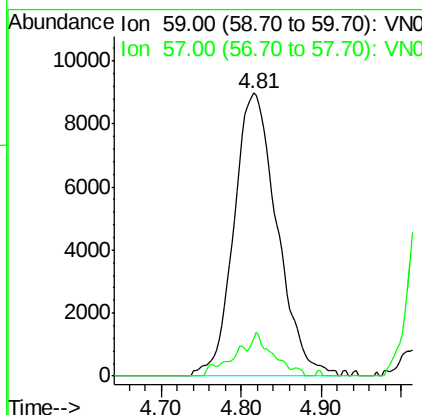
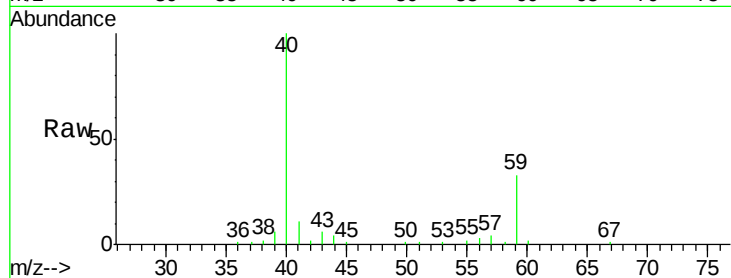




#11
Tert butyl alcohol
Concen: 100.321 ug/l
RT: 4.81 min Scan# 946
Delta R.T. -0.01 min
Lab File: VN054649.D
Acq: 24 Mar 2019 15:41

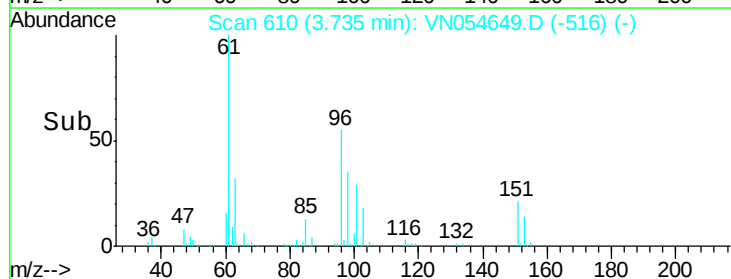
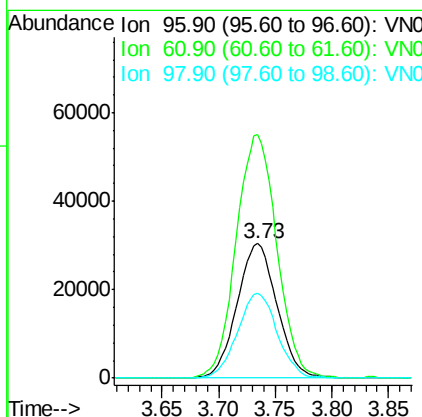
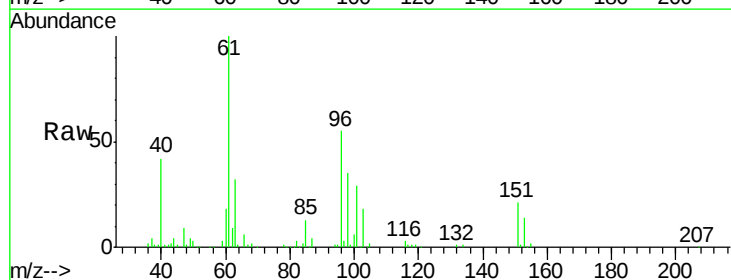
Instrument :
MSVOA_N
ClientSampled :

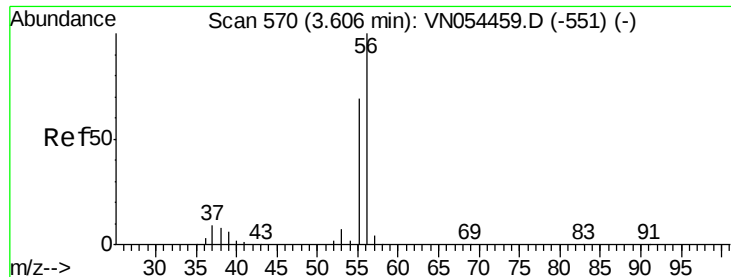
Tot Ion: 59 Resp: 32951
Ion Ratio Lower Upper
59 100
57 0.0 9.0 13.6#



#12
1,1-Dichloroethene
Concen: 17.718 ug/l
RT: 3.73 min Scan# 610
Delta R.T. 0.00 min
Lab File: VN054649.D
Acq: 24 Mar 2019 15:41

Tgt Ion: 96 Resp: 74538
Ion Ratio Lower Upper
96 100
61 181.0 116.5 174.7#
98 63.1 51.0 76.4





#13

Acrolein

Concen: 46.497 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN054649.D

Acq: 24 Mar 2019 15:41

Instrument :

MSVOA_N

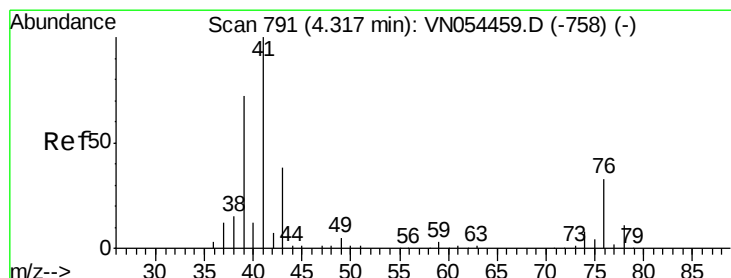
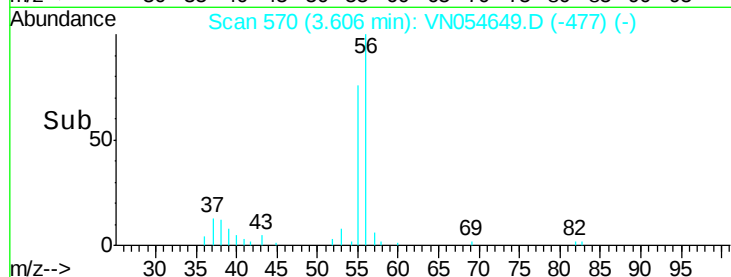
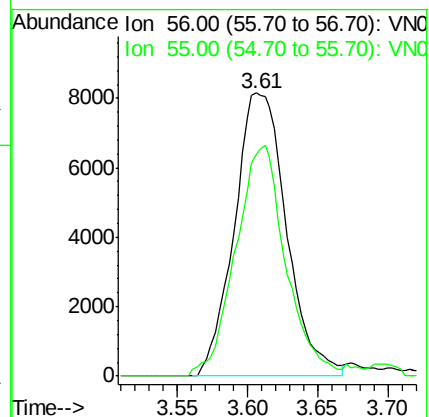
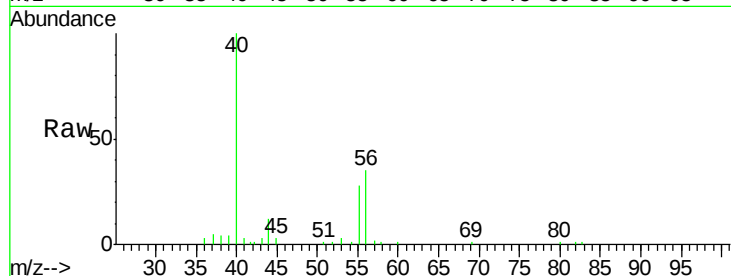
ClientSampleId :

Tot Ion: 56 Resp: 21076

Ion Ratio Lower Upper

56 100

55 78.1 56.7 85.1



#14

Allyl chloride

Concen: 21.352 ug/l

RT: 4.32 min Scan# 792

Delta R.T. 0.00 min

Lab File: VN054649.D

Acq: 24 Mar 2019 15:41

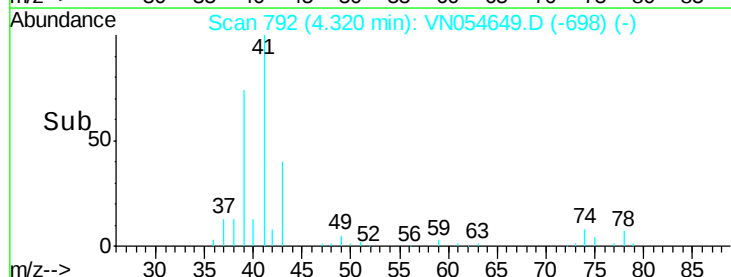
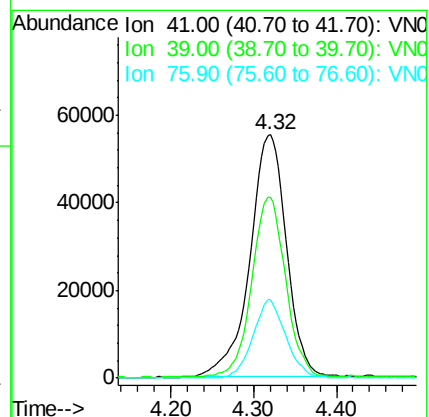
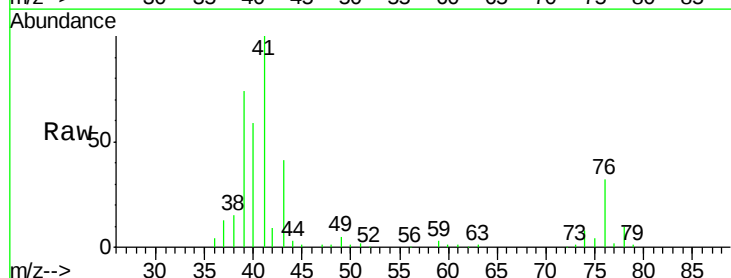
Tgt Ion: 41 Resp: 169149

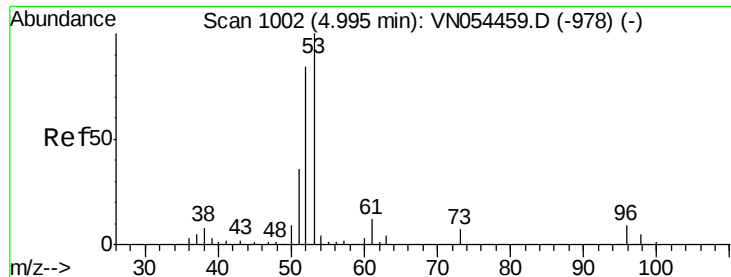
Ion Ratio Lower Upper

41 100

39 68.2 58.2 87.4

76 29.2 31.7 47.5#





#15

Acrylonitrile

Concen: 112.124 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. -0.00 min

Lab File: VN054649.D

Acq: 24 Mar 2019 15:41

Instrument :

MSVOA_N

ClientSampleId :

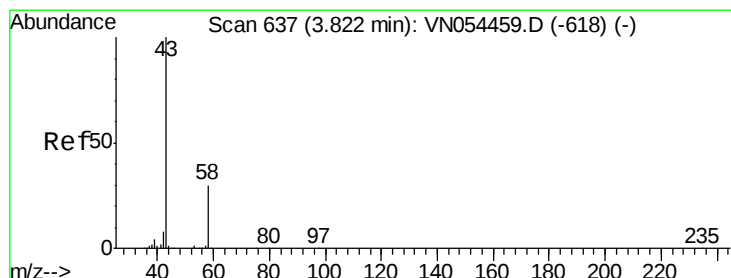
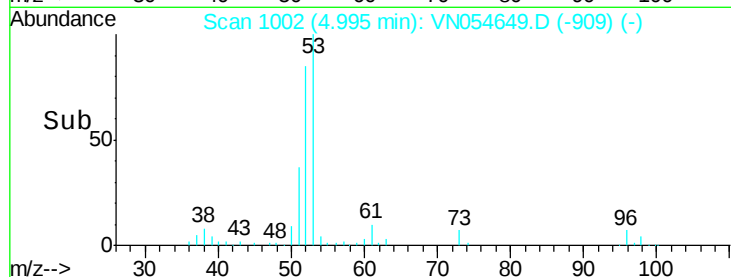
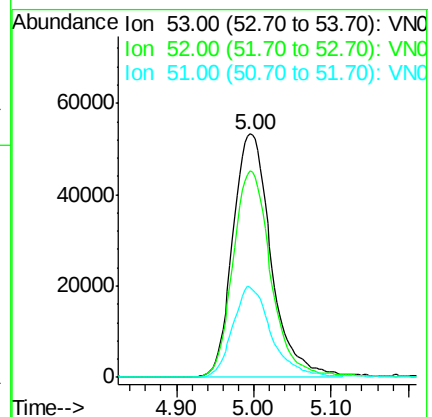
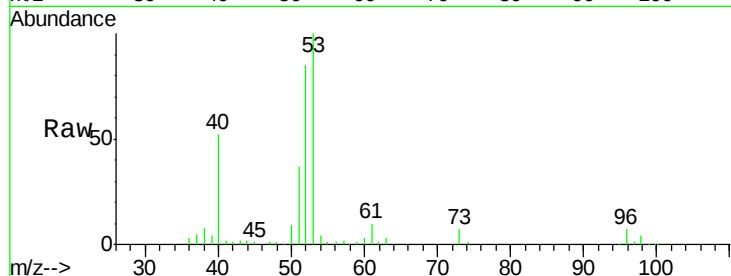
Tot Ion: 53 Resp: 183399

Ion Ratio Lower Upper

53 100

52 83.1 66.4 99.6

51 37.5 29.6 44.4



#16

Acetone

Concen: 80.654 ug/l

RT: 3.82 min Scan# 637

Delta R.T. -0.00 min

Lab File: VN054649.D

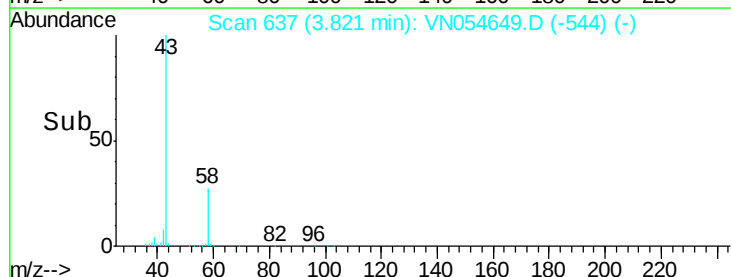
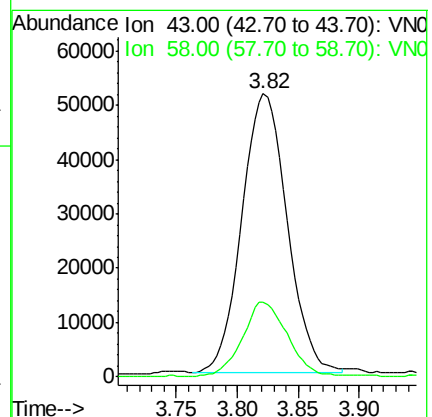
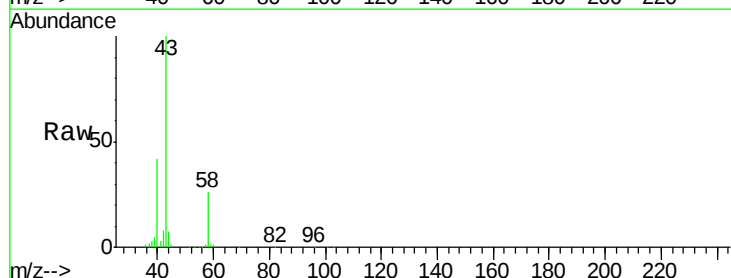
Acq: 24 Mar 2019 15:41

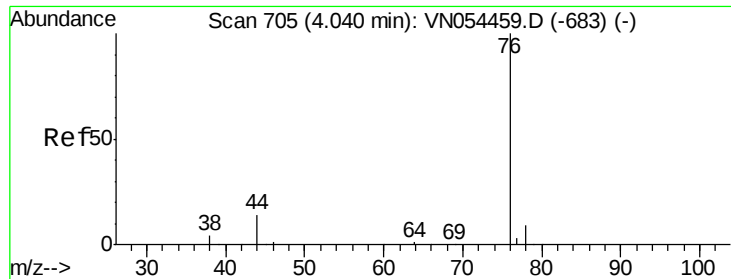
Tgt Ion: 43 Resp: 131555

Ion Ratio Lower Upper

43 100

58 26.3 29.9 44.9#

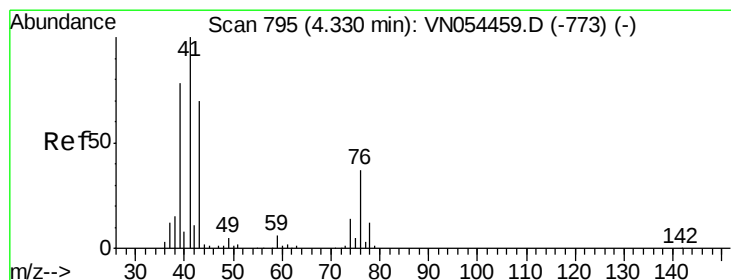
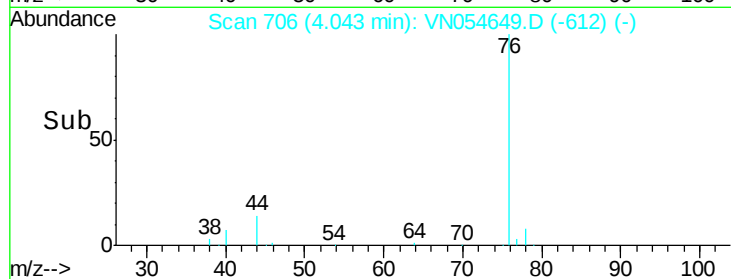
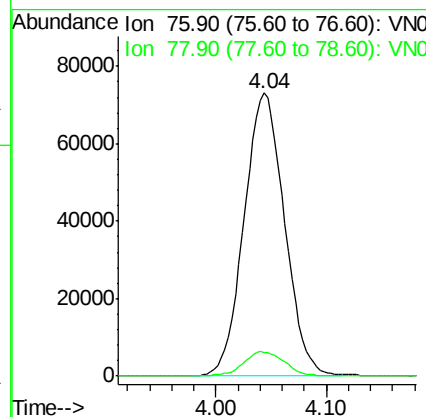
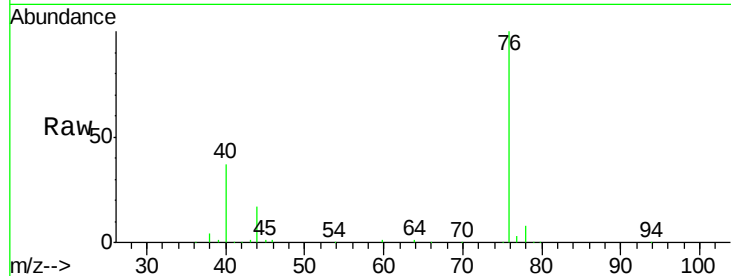




#17
Carbon Disulfide
Concen: 16.497 ug/l
RT: 4.04 min Scan# 706
Delta R.T. 0.00 min
Lab File: VN054649.D
Acq: 24 Mar 2019 15:41

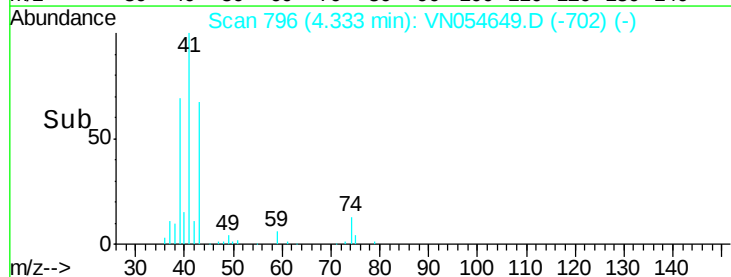
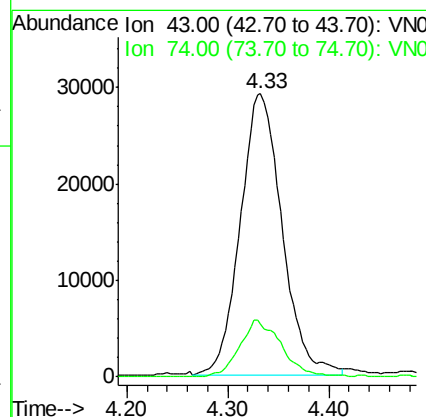
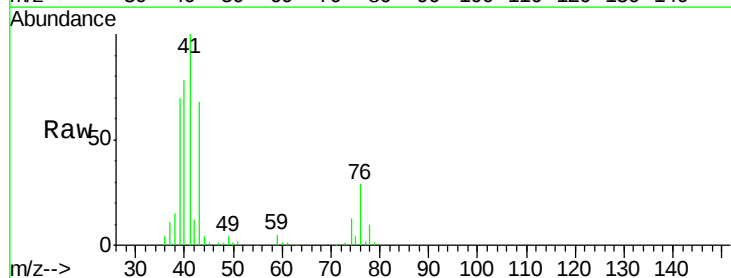
Instrument :
MSVOA_N
ClientSampled :

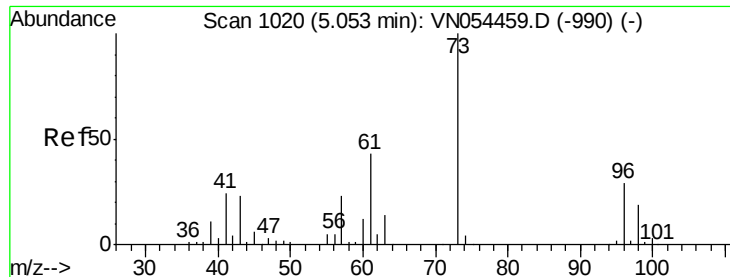
Tot Ion: 76 Resp: 185963
Ion Ratio Lower Upper
76 100
78 8.4 7.5 11.3



#18
Methyl Acetate
Concen: 22.962 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.00 min
Lab File: VN054649.D
Acq: 24 Mar 2019 15:41

Tgt Ion: 43 Resp: 83478
Ion Ratio Lower Upper
43 100
74 20.2 20.8 31.2#

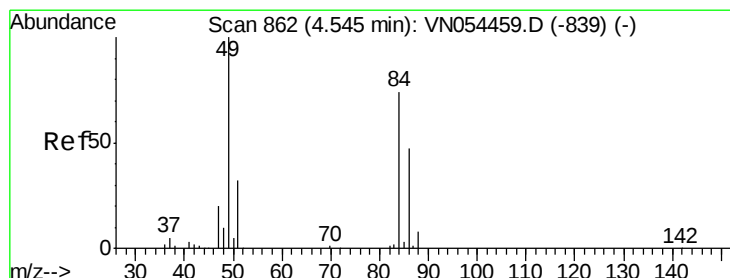
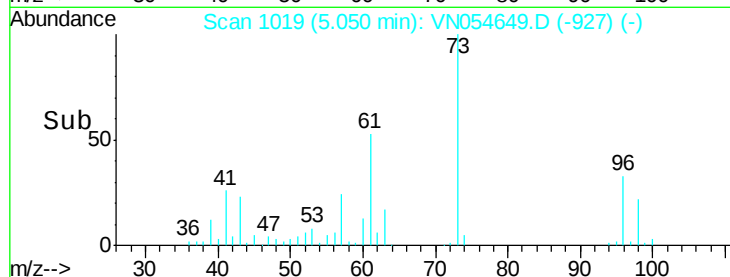
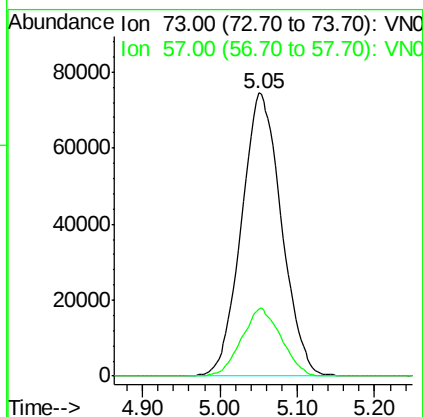
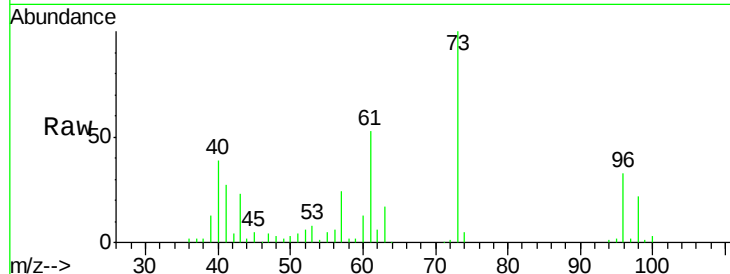




#19
Methyl tert-butyl Ether
Concen: 21.841 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. -0.00 min
Lab File: VN054649.D
Acq: 24 Mar 2019 15:41

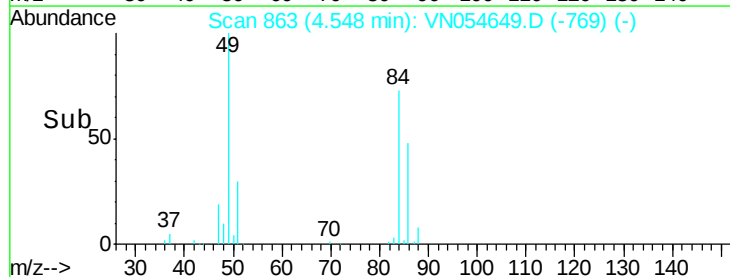
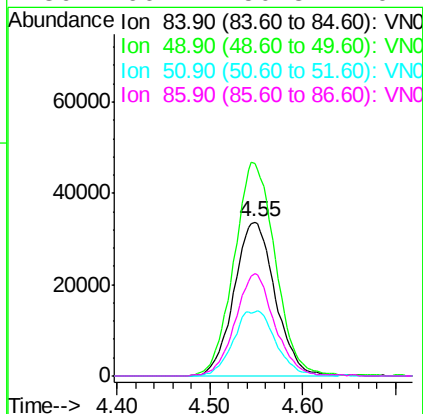
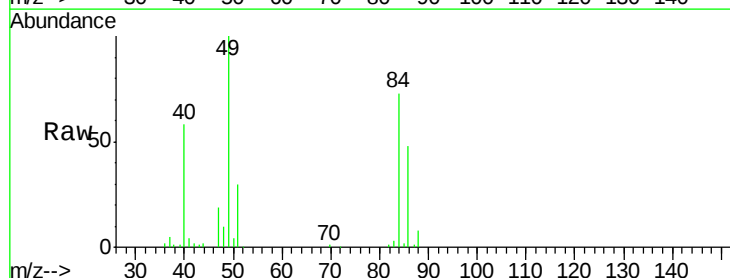
Instrument :
MSVOA_N
ClientSampled :

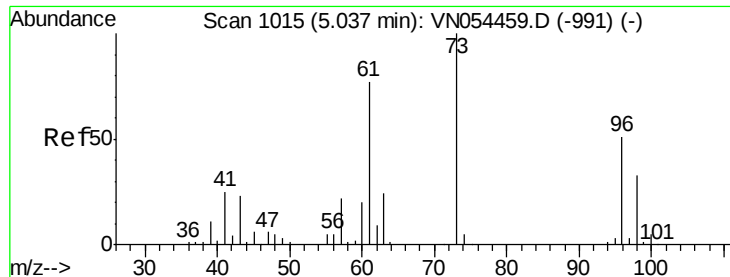
Tot Ion: 73 Resp: 268155
Ion Ratio Lower Upper
73 100
57 23.8 16.8 25.2



#20
Methylene Chloride
Concen: 21.596 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN054649.D
Acq: 24 Mar 2019 15:41

Tgt Ion: 84 Resp: 103835
Ion Ratio Lower Upper
84 100
49 137.7 89.7 134.5#
51 41.2 28.2 42.4
86 66.7 50.8 76.2

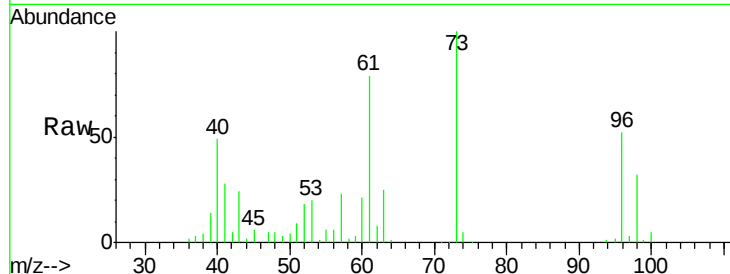




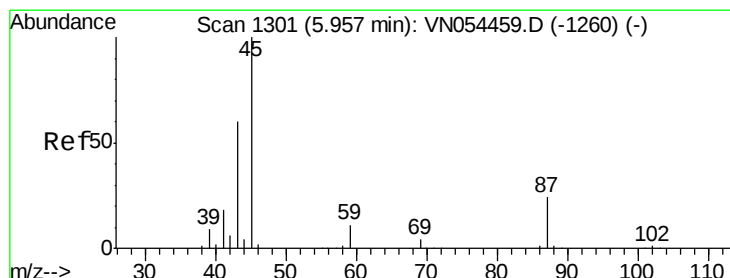
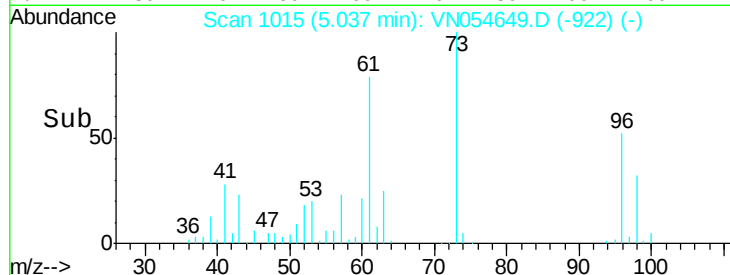
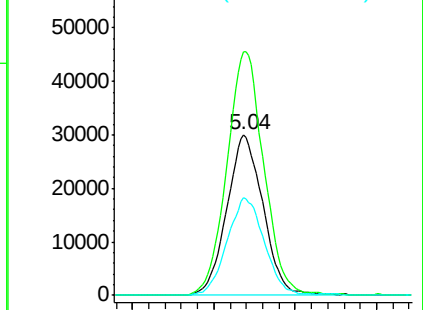
#21
trans-1,2-Dichloroethene
Concen: 21.650 ug/l
RT: 5.04 min Scan# 1015
Delta R.T. -0.00 min
Lab File: VN054649.D
Acq: 24 Mar 2019 15:41

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 96 Resp: 93005
Ion Ratio Lower Upper
96 100
61 150.9 102.8 154.2
98 60.9 50.0 75.0

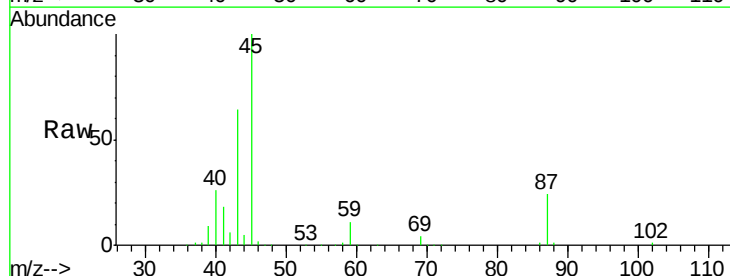


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

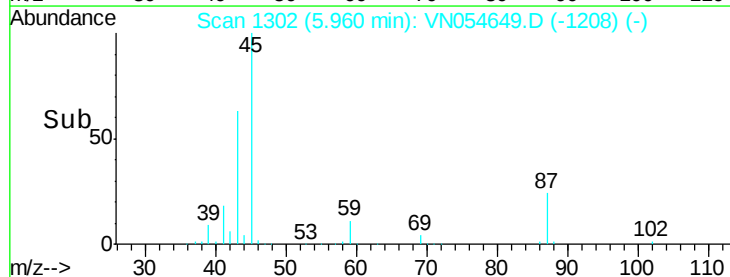
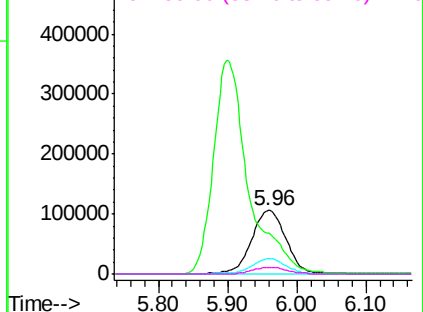


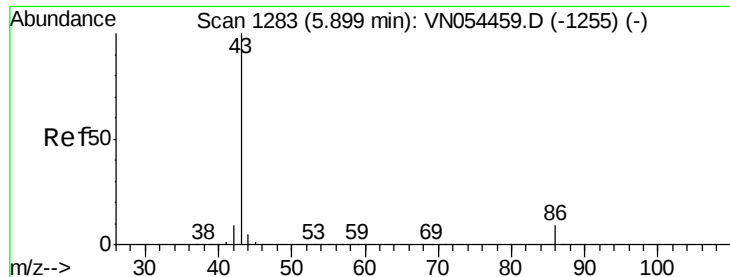
#22
Diisopropyl ether
Concen: 23.535 ug/l
RT: 5.96 min Scan# 1302
Delta R.T. 0.00 min
Lab File: VN054649.D
Acq: 24 Mar 2019 15:41

Tgt Ion: 45 Resp: 367761
Ion Ratio Lower Upper
45 100
43 61.4 48.2 72.2
87 23.7 24.9 37.3#
59 10.8 9.5 14.3



Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0

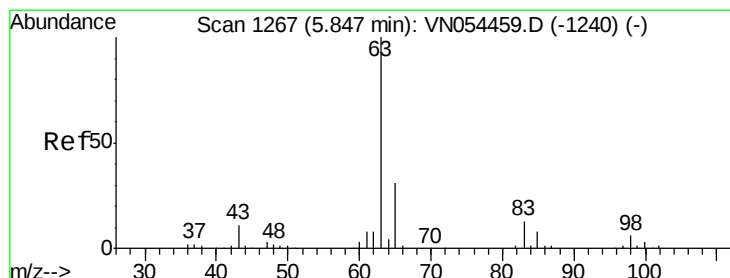
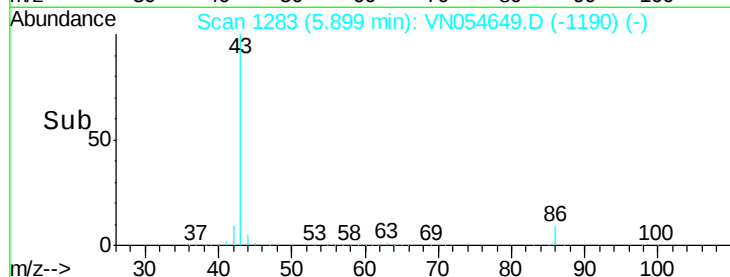
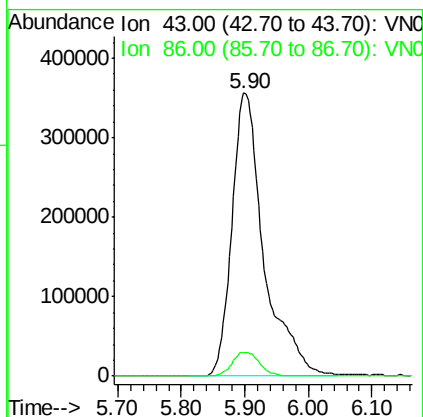
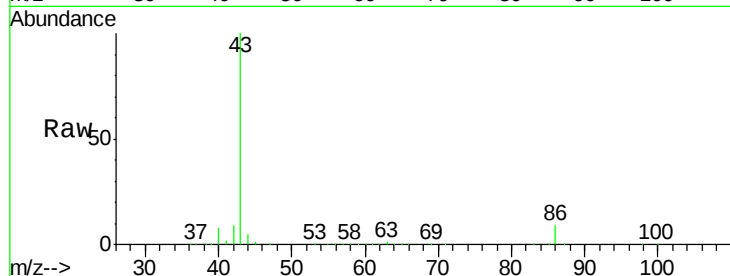




#23
 Vinyl Acetate
 Concen: 112.780 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. -0.00 min
 Lab File: VN054649.D
 Acq: 24 Mar 2019 15:41

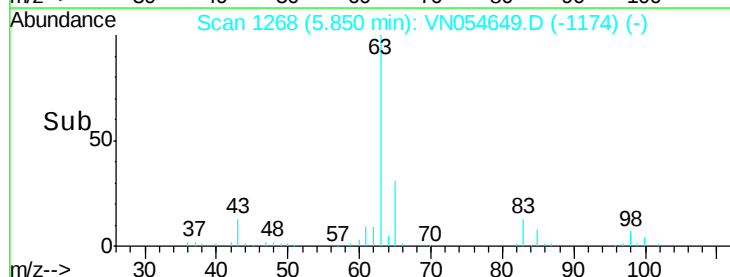
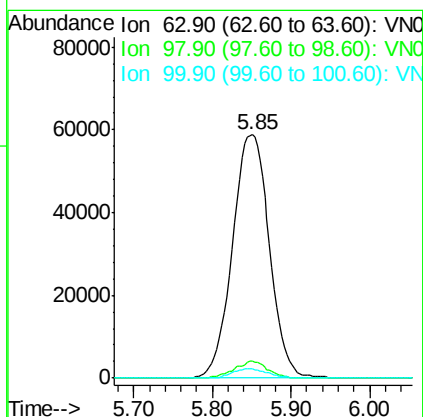
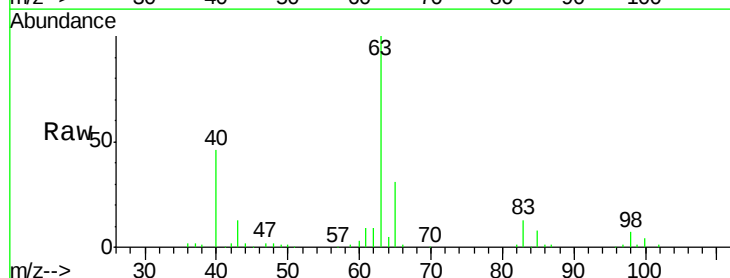
Instrument :
 MSVOA_N
 ClientSampleId :

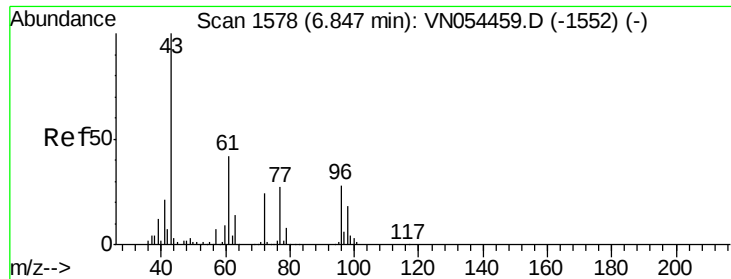
Tot Ion: 43 Resp: 1244667
 Ion Ratio Lower Upper
 43 100
 86 8.5 9.1 13.7#



#24
 1,1-Dichloroethane
 Concen: 22.931 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VN054649.D
 Acq: 24 Mar 2019 15:41

Tgt Ion: 63 Resp: 192933
 Ion Ratio Lower Upper
 63 100
 98 7.0 3.5 10.5
 100 3.8 2.0 6.0





#25

2-Butanone

Concen: 106.234 ug/l

RT: 6.85 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VN054649.D

Acq: 24 Mar 2019 15:41

Instrument :

MSVOA_N

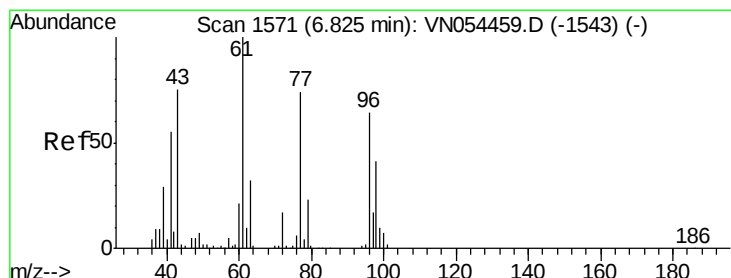
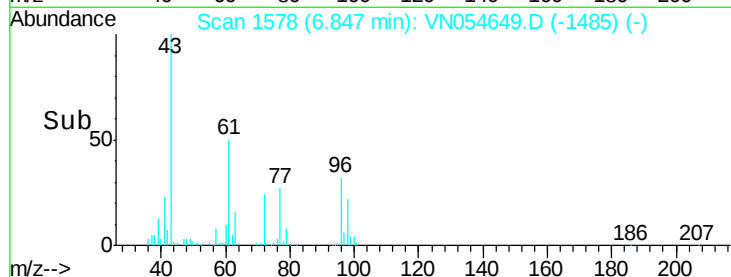
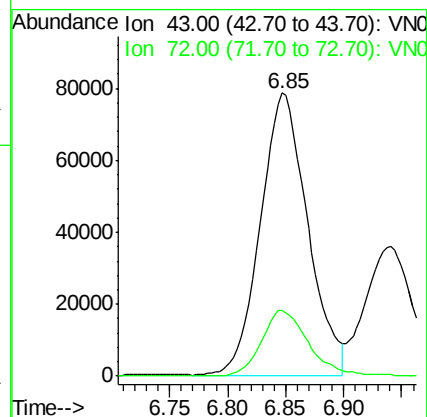
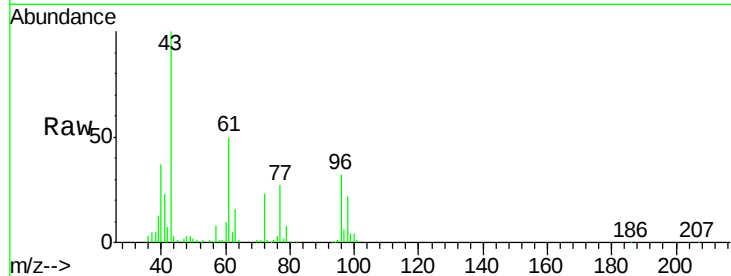
ClientSampled :

Tot Ion: 43 Resp: 221968

Ion Ratio Lower Upper

43 100

72 23.5 23.0 34.6



#26

2,2-Dichloropropane

Concen: 19.578 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN054649.D

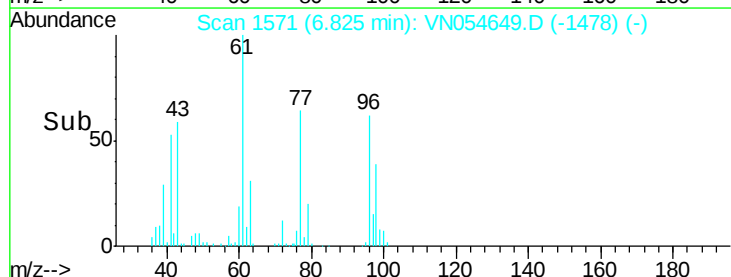
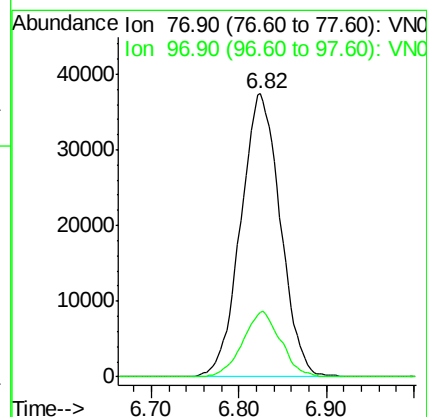
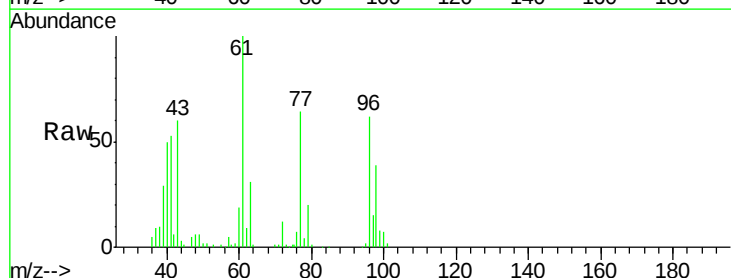
Acq: 24 Mar 2019 15:41

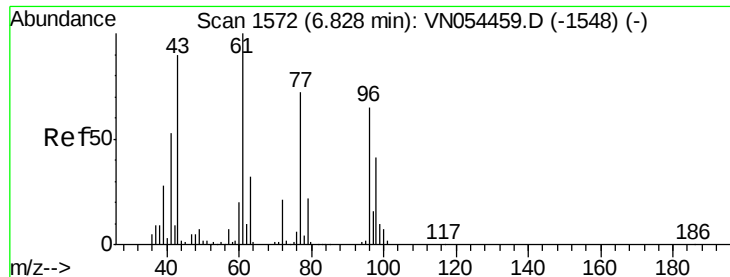
Tgt Ion: 77 Resp: 117419

Ion Ratio Lower Upper

77 100

97 22.2 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 21.382 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN054649.D

Acq: 24 Mar 2019 15:41

Instrument :
MSVOA_N
ClientSampled :

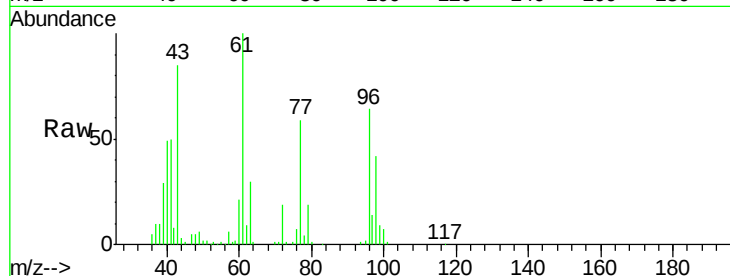
Tot Ion: 96 Resp: 109559

Ion Ratio Lower Upper

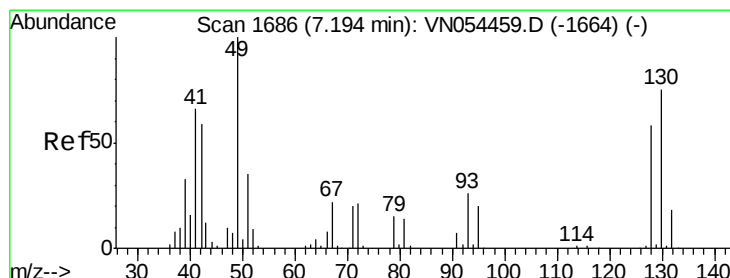
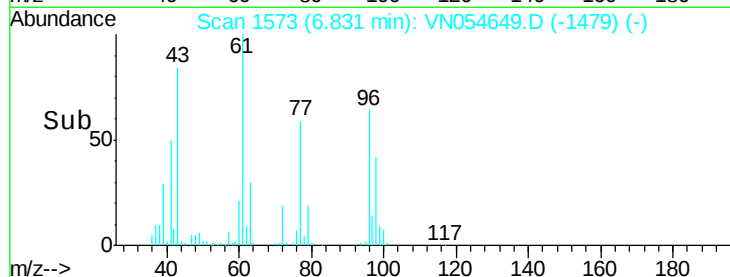
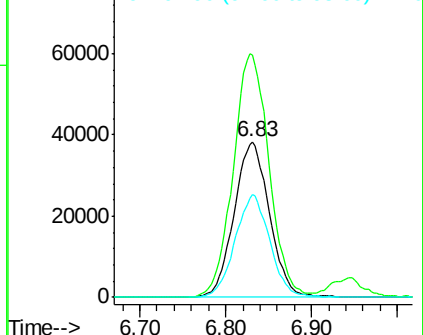
96 100

61 158.0 0.0 273.0

98 64.7 0.0 130.6



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



#28

Bromochloromethane

Concen: 23.339 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN054649.D

Acq: 24 Mar 2019 15:41

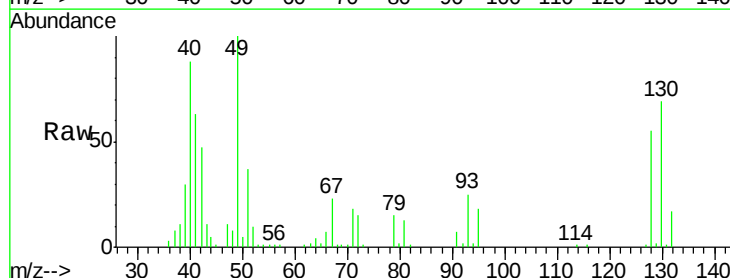
Tgt Ion: 49 Resp: 96657

Ion Ratio Lower Upper

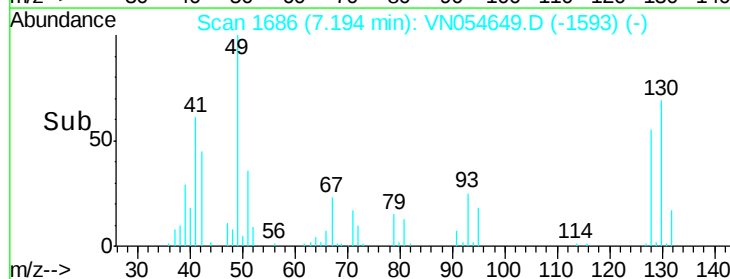
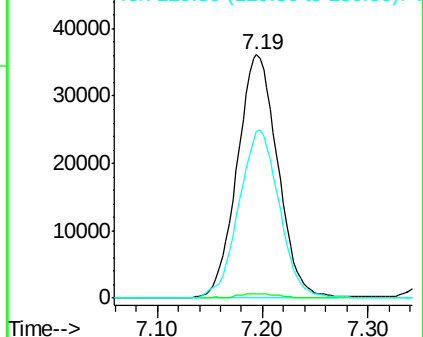
49 100

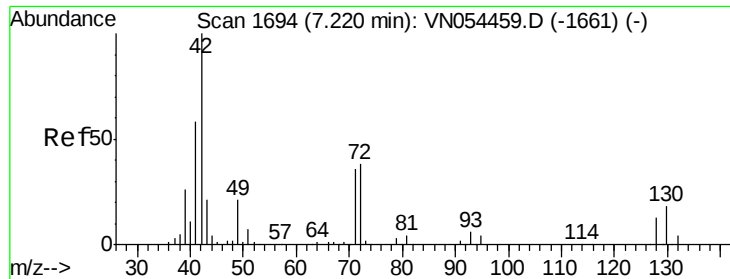
129 1.8 0.0 4.6

130 68.7 76.7 115.1#



Abundance Ion 48.90 (48.60 to 49.60): VNO
Ion 128.80 (128.50 to 129.50): VNO
Ion 129.80 (129.50 to 130.50): VNO

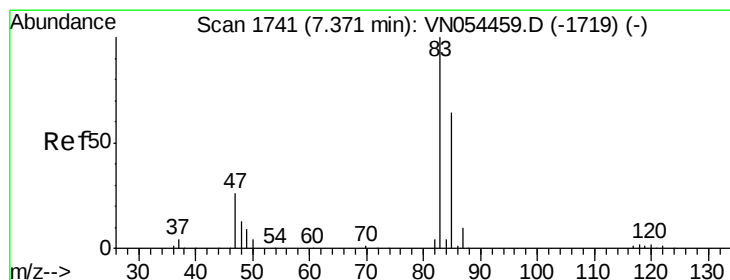
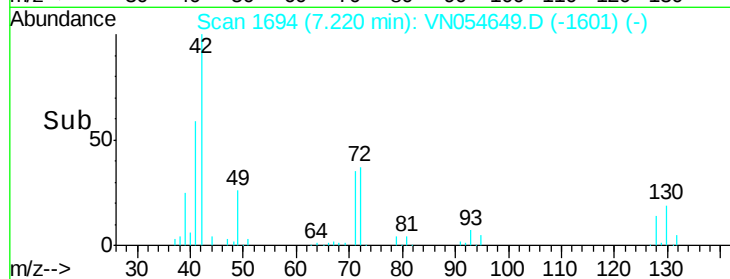
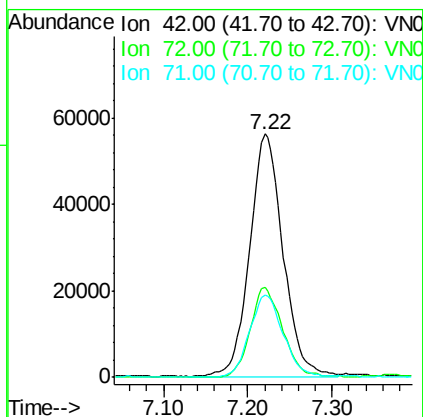
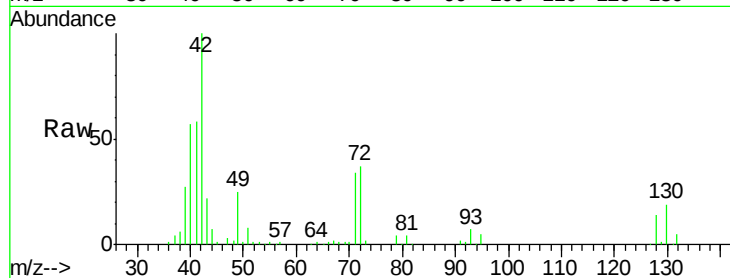




#29
Tetrahydrofuran
Concen: 113.189 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. -0.00 min
Lab File: VN054649.D
Acq: 24 Mar 2019 15:41

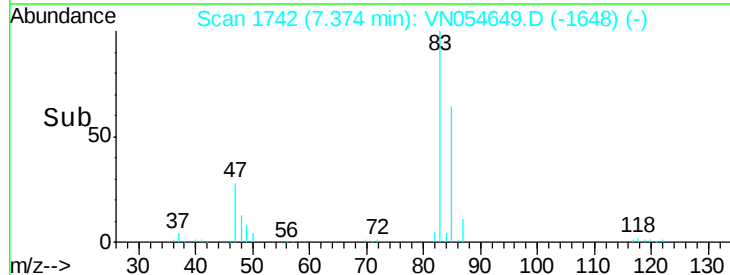
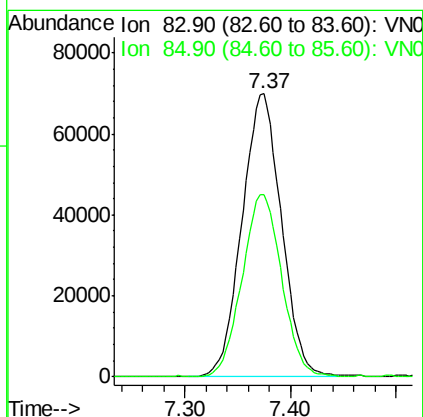
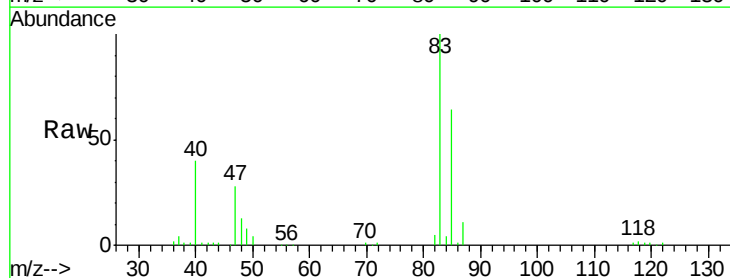
Instrument :
MSVOA_N
ClientSampleId :

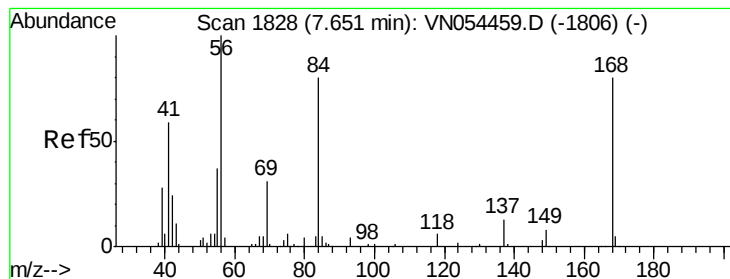
Tot Ion: 42 Resp: 153474
Ion Ratio Lower Upper
42 100
72 36.3 37.8 56.6#
71 34.6 36.2 54.2#



#30
Chloroform
Concen: 22.188 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN054649.D
Acq: 24 Mar 2019 15:41

Tgt Ion: 83 Resp: 182185
Ion Ratio Lower Upper
83 100
85 64.4 52.2 78.4





#31

Cyclohexane

Concen: 21.535 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN054649.D

Acq: 24 Mar 2019 15:41

Instrument :
MSVOA_N
ClientSampled :

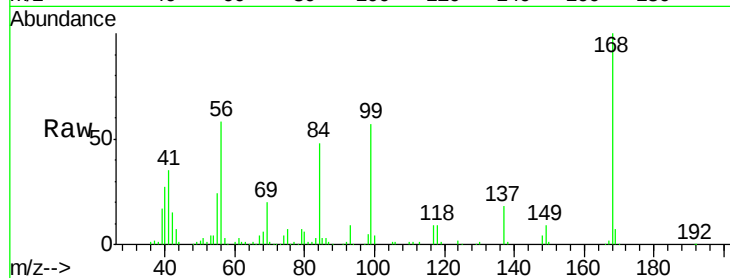
Tot Ion: 56 Resp: 182136

Ion Ratio Lower Upper

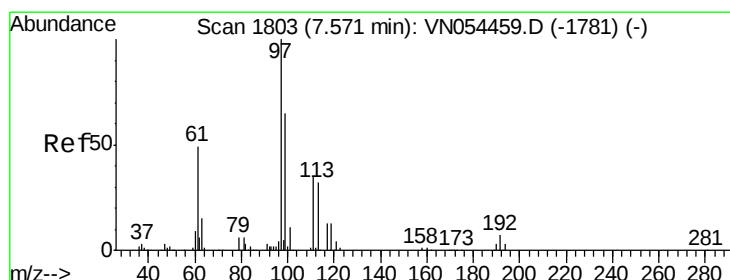
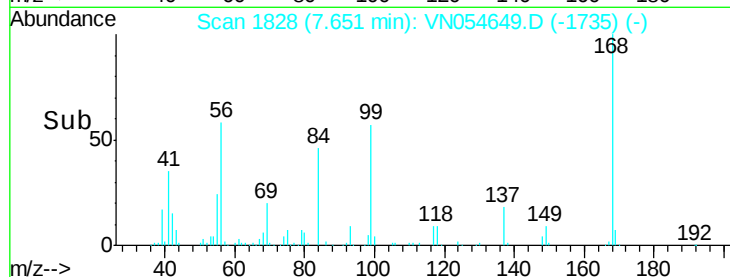
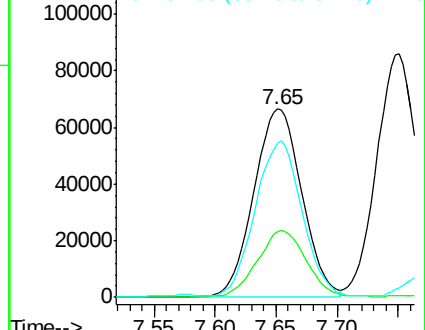
56 100

69 34.6 27.8 41.6

84 80.2 74.6 111.8



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



#32

1,1,1-Trichloroethane

Concen: 21.659 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN054649.D

Acq: 24 Mar 2019 15:41

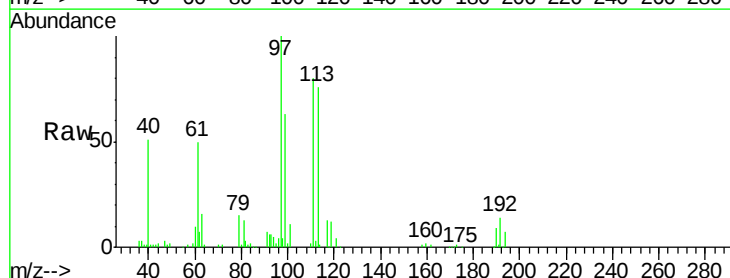
Tgt Ion: 97 Resp: 146720

Ion Ratio Lower Upper

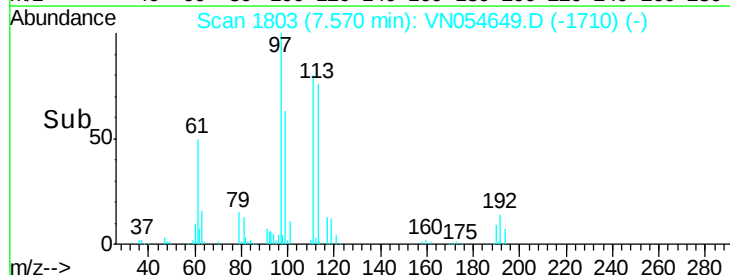
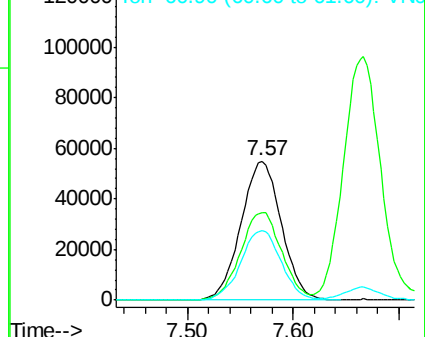
97 100

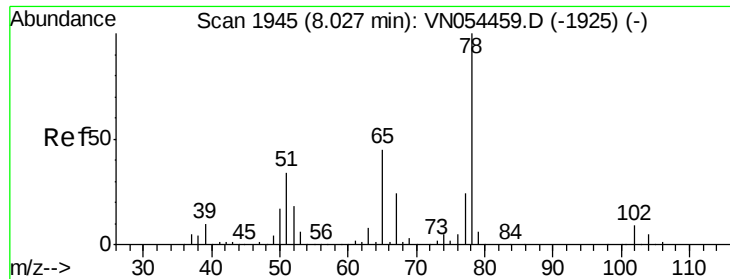
99 64.5 51.5 77.3

61 50.1 33.6 50.4



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





#33

1,2-Dichloroethane-d4

Concen: 55.428 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN054649.D

Acq: 24 Mar 2019 15:41

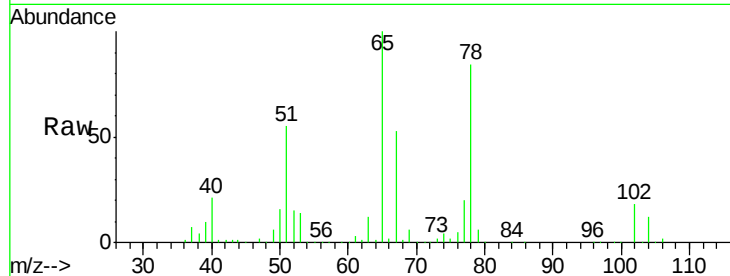
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 65 Resp: 300712

Ion Ratio Lower Upper

65 100

67 52.5 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VN054459.D (-1925) (-)

Ion 66.90 (66.60 to 67.60): VN054459.D (-1925) (-)

8.03

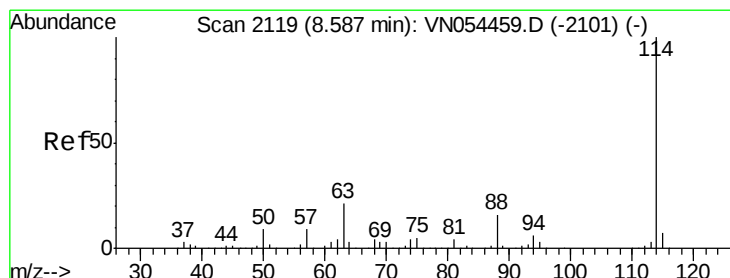
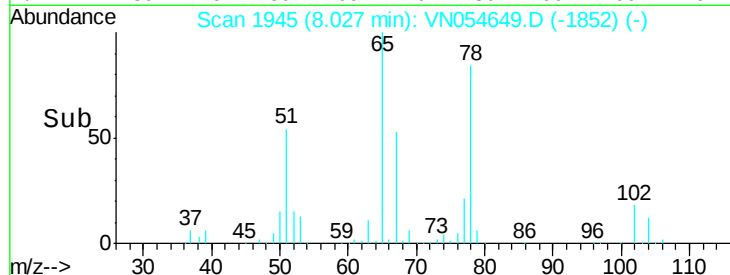
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VN054649.D

Acq: 24 Mar 2019 15:41

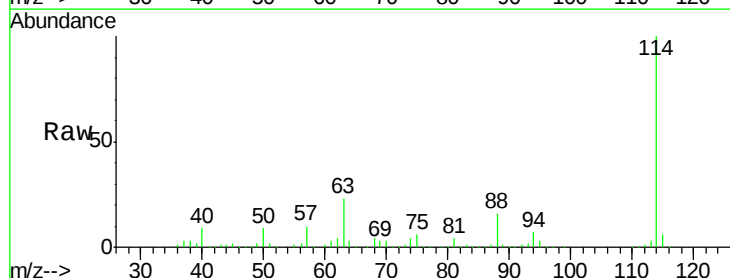
Tgt Ion: 114 Resp: 731953

Ion Ratio Lower Upper

114 100

63 22.8 0.0 35.2

88 16.2 0.0 30.2



Abundance Ion 113.90 (113.60 to 114.60): VN054459.D (-2101) (-)

Ion 63.00 (62.70 to 63.70): VN054459.D (-2101) (-)

Ion 87.90 (87.60 to 88.60): VN054459.D (-2101) (-)

8.59

400000

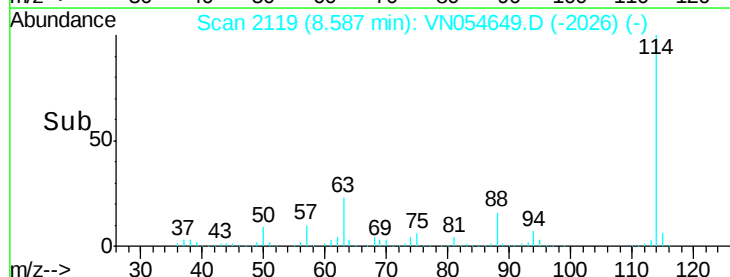
300000

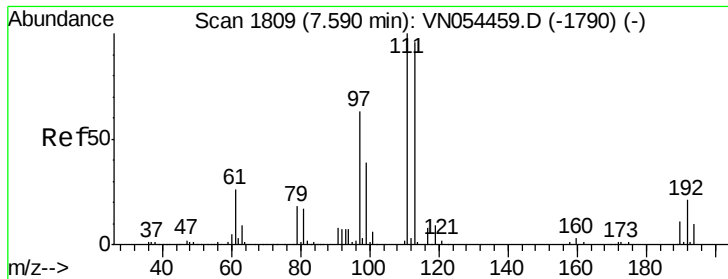
200000

100000

0

Time-->

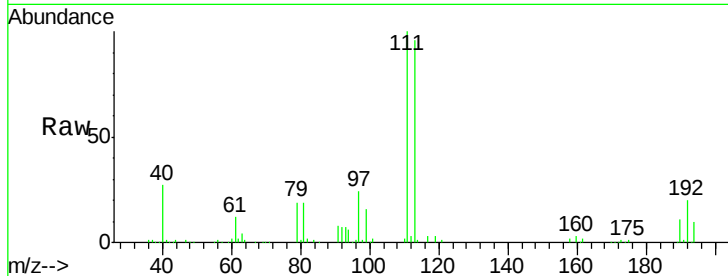




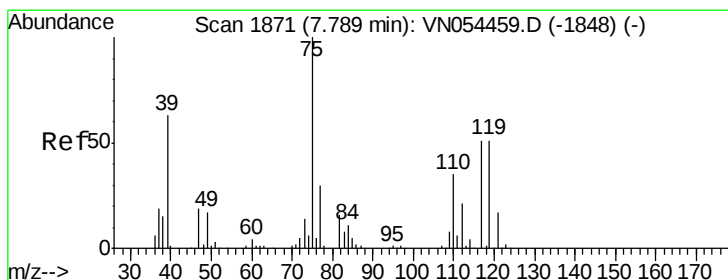
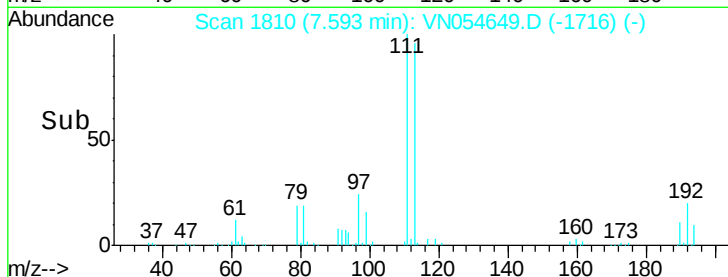
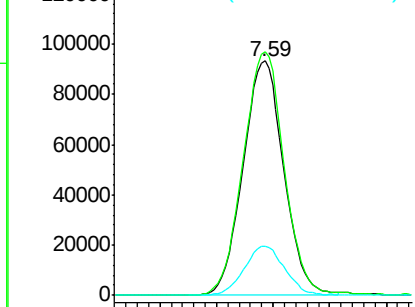
#35
 Dibromofluoromethane
 Concen: 49.504 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN054649.D
 Acq: 24 Mar 2019 15:41

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:113 Resp: 233440
 Ion Ratio Lower Upper
 113 100
 111 105.0 82.2 123.4
 192 21.0 19.2 28.8

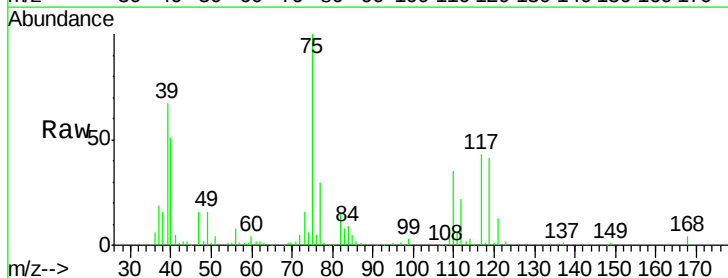


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

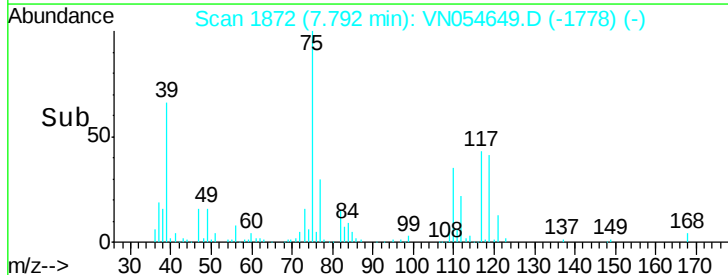
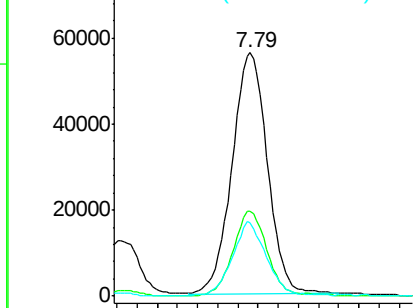


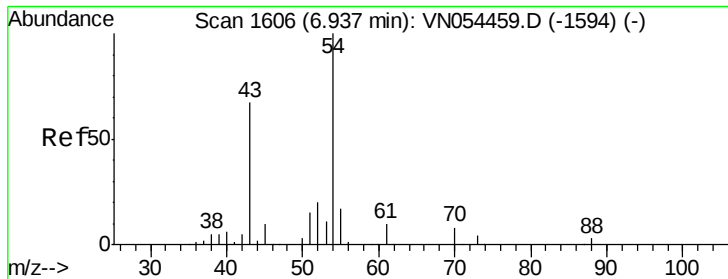
#36
 1,1-Dichloropropene
 Concen: 20.065 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN054649.D
 Acq: 24 Mar 2019 15:41

Tgt Ion: 75 Resp: 137322
 Ion Ratio Lower Upper
 75 100
 110 33.6 19.1 57.5
 77 29.5 25.0 37.4



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V

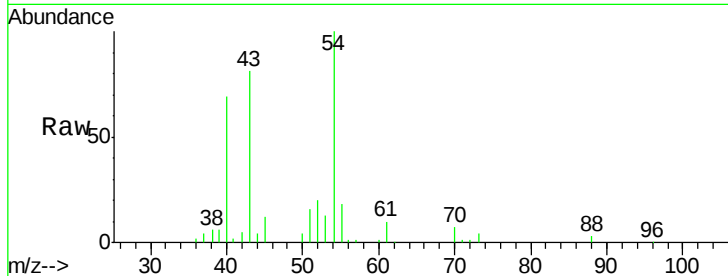




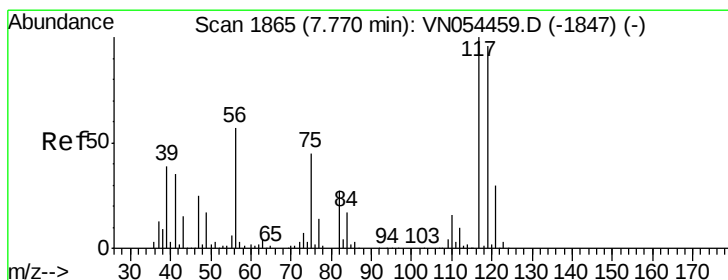
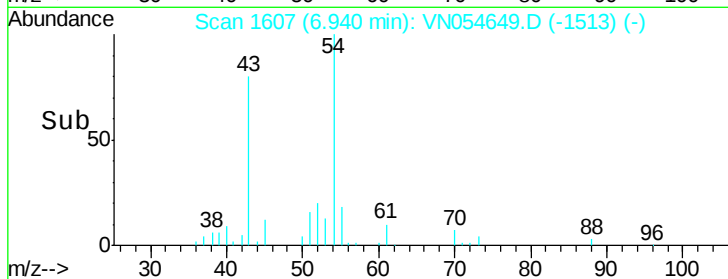
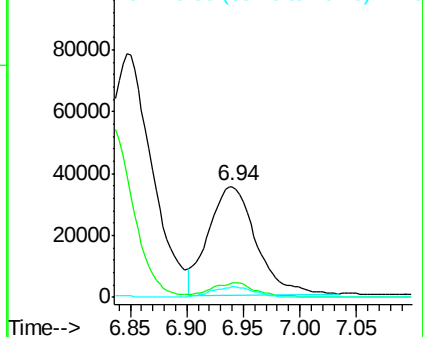
#37
Ethyl Acetate
Concen: 20.897 ug/l
RT: 6.94 min Scan# 1607
Delta R.T. 0.00 min
Lab File: VN054649.D
Acq: 24 Mar 2019 15:41

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 101716
Ion Ratio Lower Upper
43 100
61 12.2 11.8 17.6
70 9.0 8.4 12.6

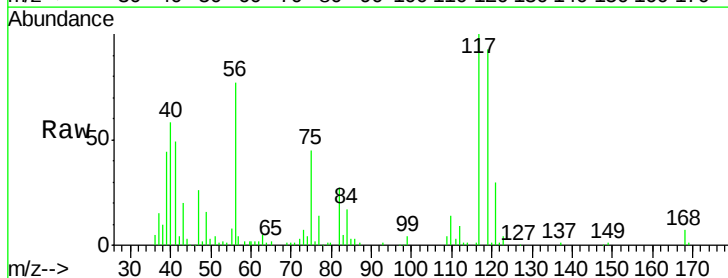


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

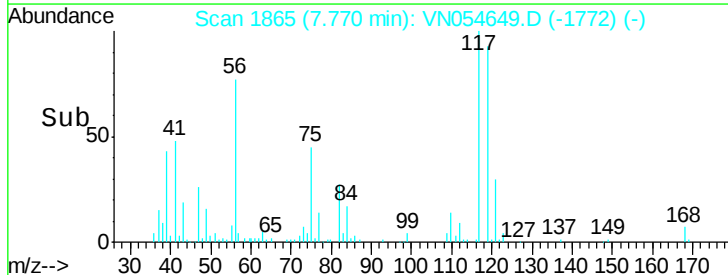
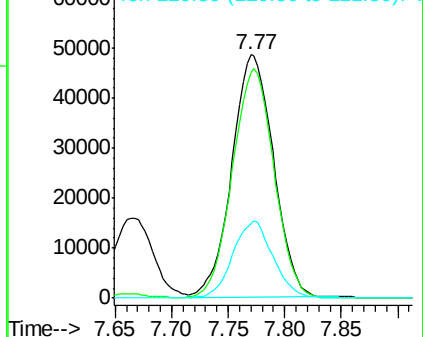


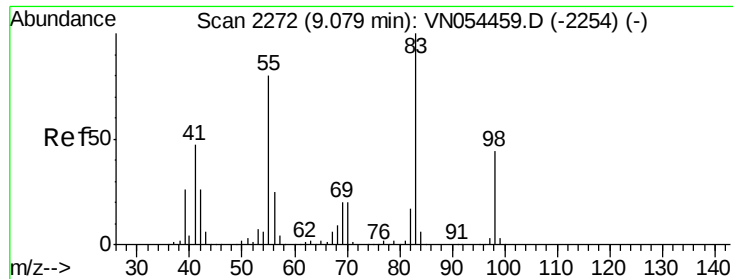
#38
Carbon Tetrachloride
Concen: 18.701 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN054649.D
Acq: 24 Mar 2019 15:41

Tgt Ion: 117 Resp: 124376
Ion Ratio Lower Upper
117 100
119 92.7 76.3 114.5
121 30.6 24.6 36.8



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

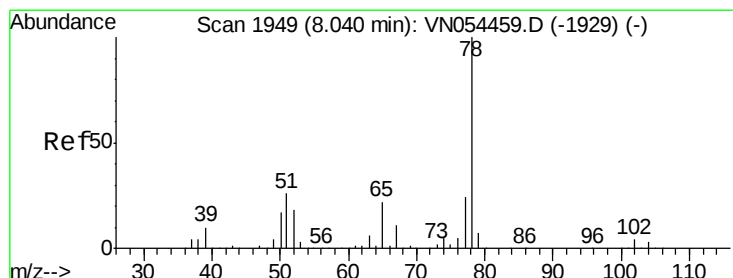
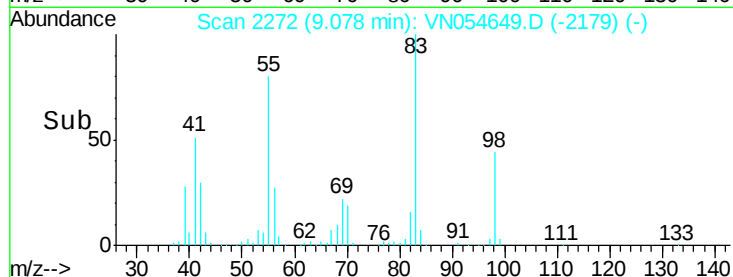
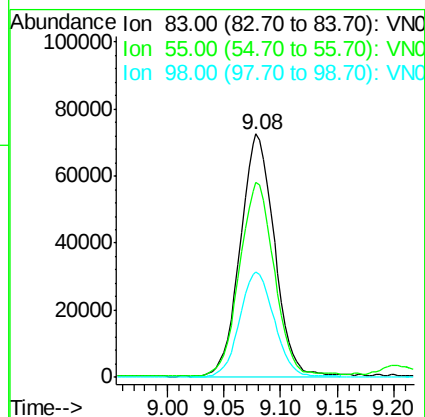
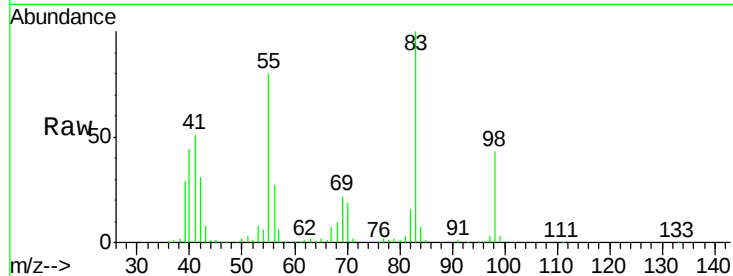




#39
Methvlcvclohexane
Concen: 19.369 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN054649.D
Acq: 24 Mar 2019 15:41

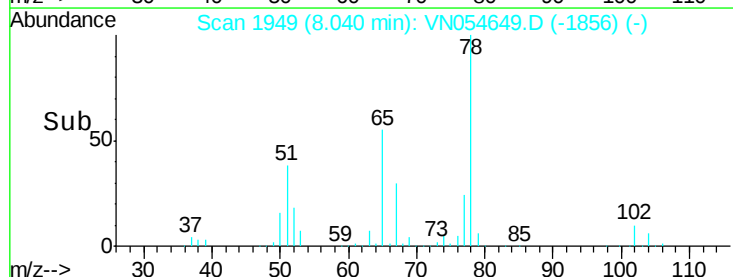
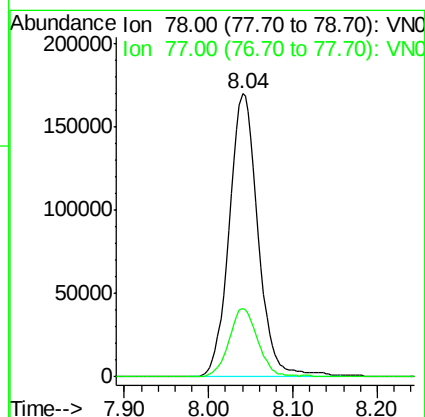
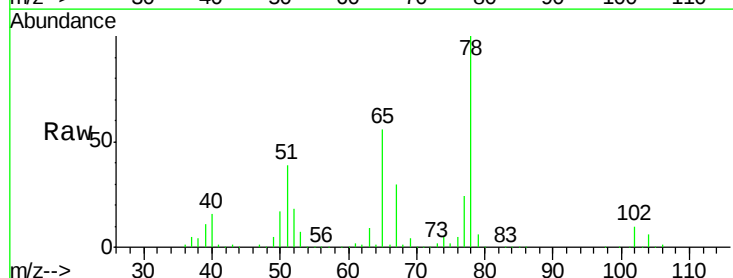
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 83 Resp: 151633
Ion Ratio Lower Upper
83 100
55 80.0 56.6 84.8
98 43.6 38.4 57.6



#40
Benzene
Concen: 20.670 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN054649.D
Acq: 24 Mar 2019 15:41

Tgt Ion: 78 Resp: 404526
Ion Ratio Lower Upper
78 100
77 24.2 19.1 28.7





#41

Methacrylonitrile

Concen: 21.992 ug/l

RT: 7.17 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VN054649.D

Acq: 24 Mar 2019 15:41

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 41 Resp: 65283

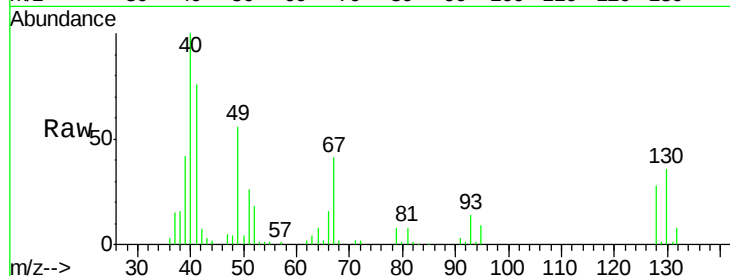
Ion Ratio Lower Upper

41 100

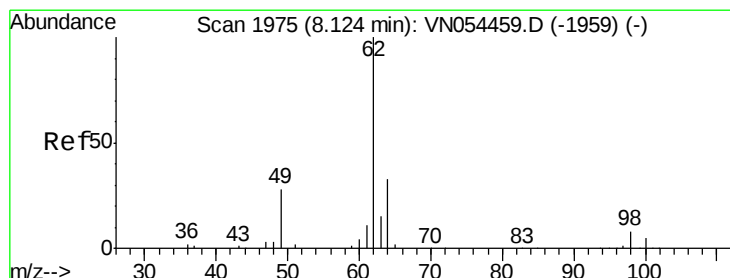
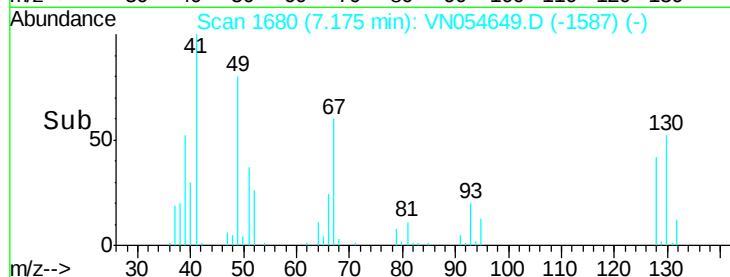
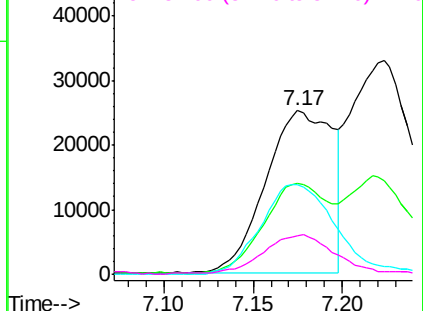
39 53.2 46.8 70.2

67 62.9 67.0 100.4#

52 26.3 26.5 39.7#



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



#42

1,2-Dichloroethane

Concen: 20.746 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

Lab File: VN054649.D

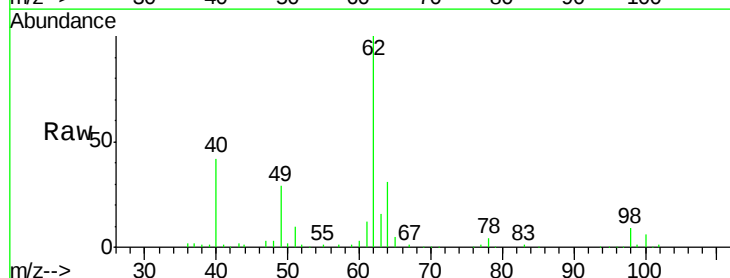
Acq: 24 Mar 2019 15:41

Tgt Ion: 62 Resp: 147861

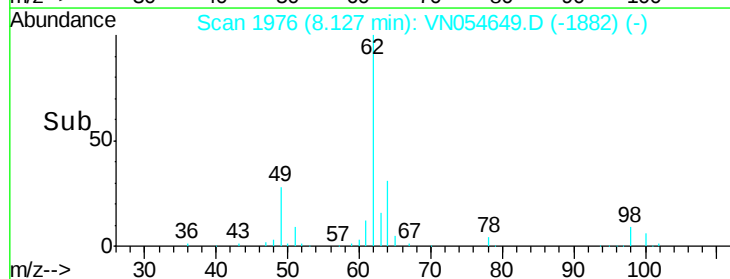
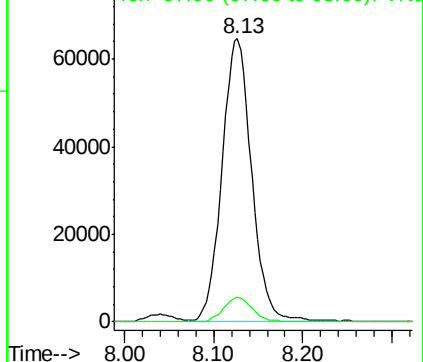
Ion Ratio Lower Upper

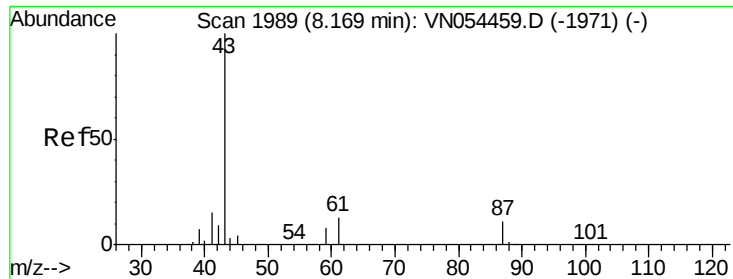
62 100

98 8.5 0.0 18.4



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





#43

Isopropyl Acetate

Concen: 20.613 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. -0.00 min

Lab File: VN054649.D

Acq: 24 Mar 2019 15:41

Instrument :

MSVOA_N

ClientSampleId :

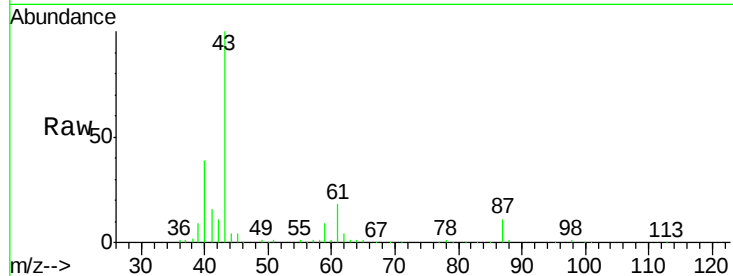
Tot Ion: 43 Resp: 169453

Ion Ratio Lower Upper

43 100

61 18.5 15.8 23.8

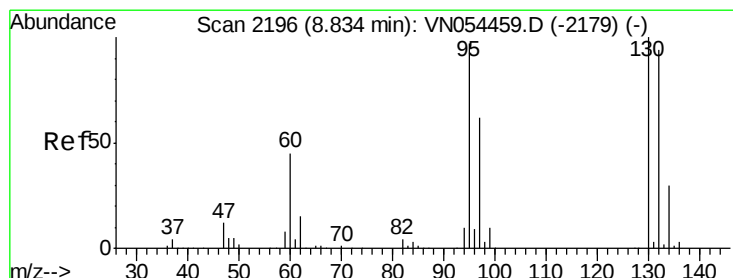
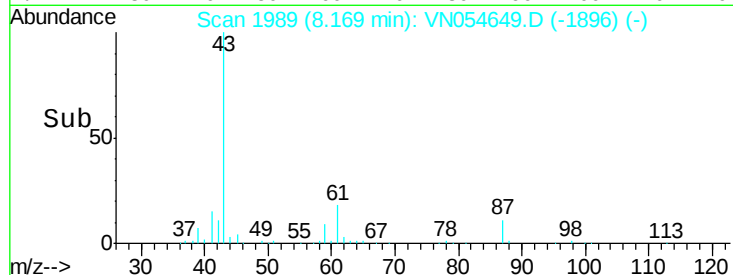
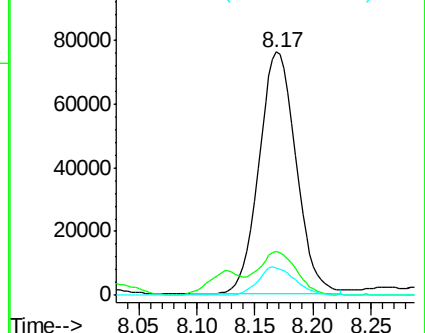
87 11.6 12.0 18.0#



Abundance Ion 43.00 (42.70 to 43.70): VN054459.D (-1971) (-)

Ion 61.00 (60.70 to 61.70): VN054459.D (-1971) (-)

Ion 87.00 (86.70 to 87.70): VN054459.D (-1971) (-)



#44

Trichloroethene

Concen: 19.299 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN054649.D

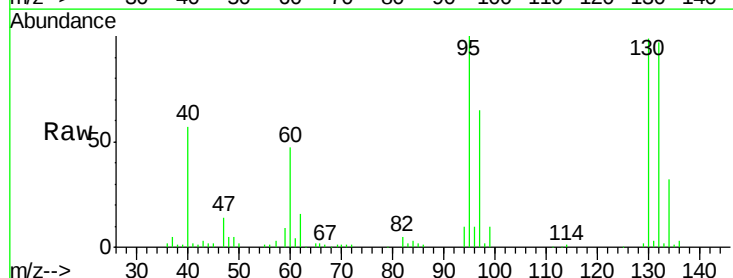
Acq: 24 Mar 2019 15:41

Tgt Ion:130 Resp: 105005

Ion Ratio Lower Upper

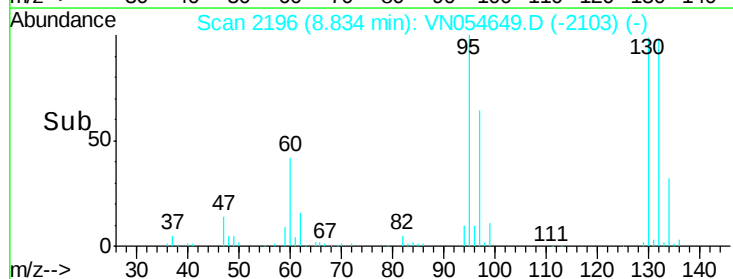
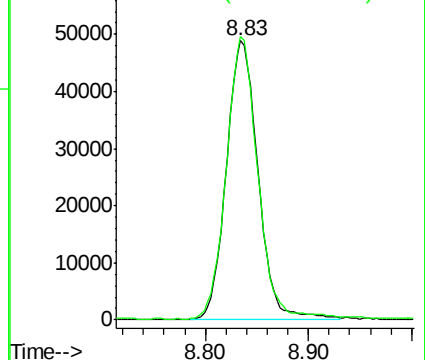
130 100

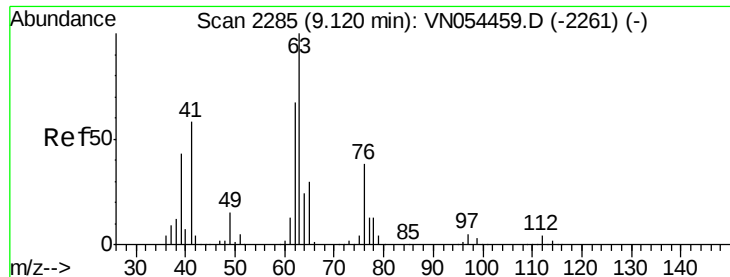
95 100.9 0.0 185.2



Abundance Ion 129.80 (129.50 to 130.50): VN054459.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN054459.D (-2179) (-)





#45

1,2-Dichloropropane

Concen: 22.172 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. -0.00 min

Lab File: VN054649.D

Acq: 24 Mar 2019 15:41

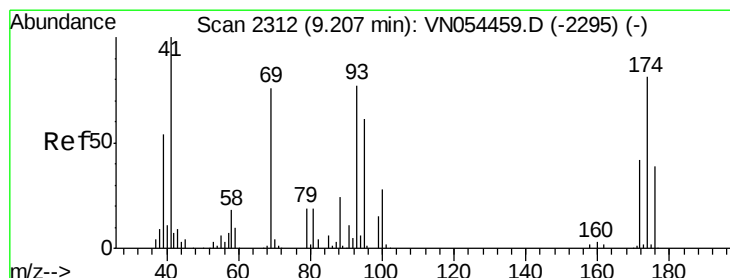
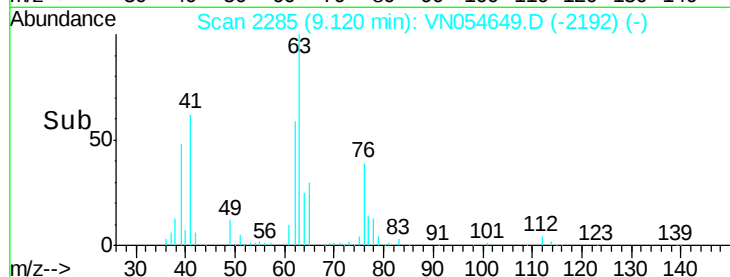
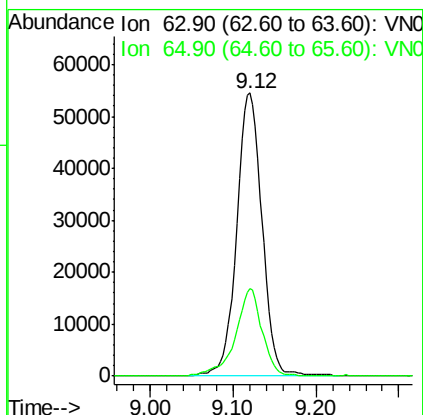
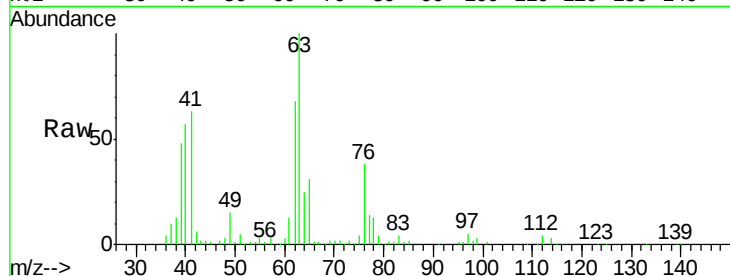
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 63 Resp: 116517

Ion Ratio Lower Upper

63 100

65 31.0 25.0 37.6



#46

Dibromomethane

Concen: 20.654 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN054649.D

Acq: 24 Mar 2019 15:41

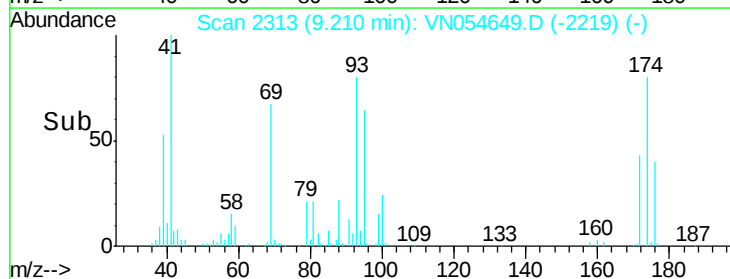
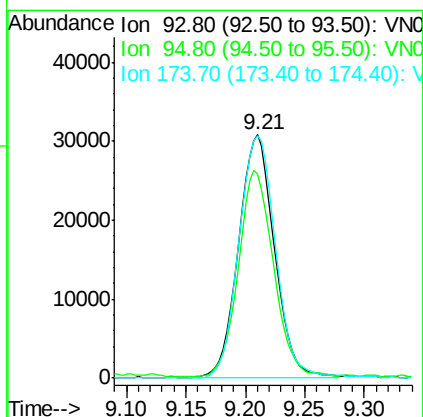
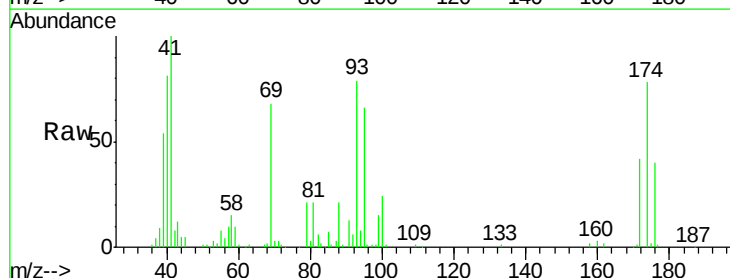
Tgt Ion: 93 Resp: 64750

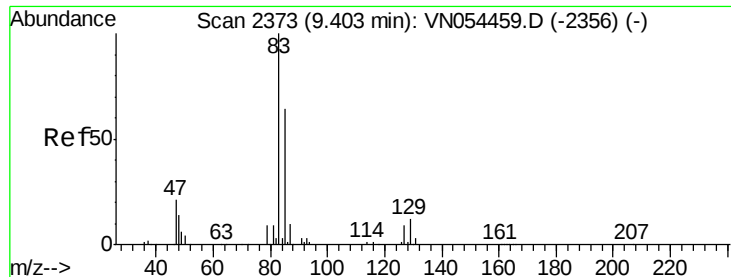
Ion Ratio Lower Upper

93 100

95 82.3 66.7 100.1

174 100.9 98.5 147.7





#47

Bromodichloromethane

Concen: 20.074 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN054649.D

Acq: 24 Mar 2019 15:41

Instrument :

MSVOA_N

ClientSampleId :

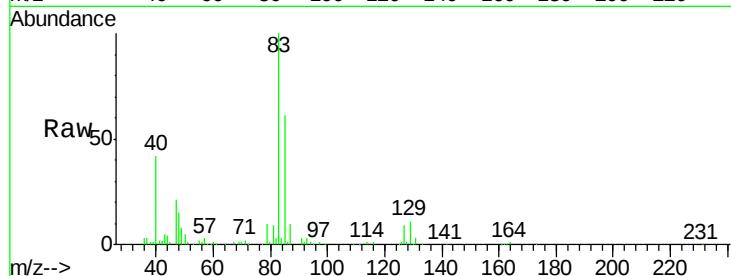
Tot Ion: 83 Resp: 130610

Ion Ratio Lower Upper

83 100

85 60.7 52.8 79.2

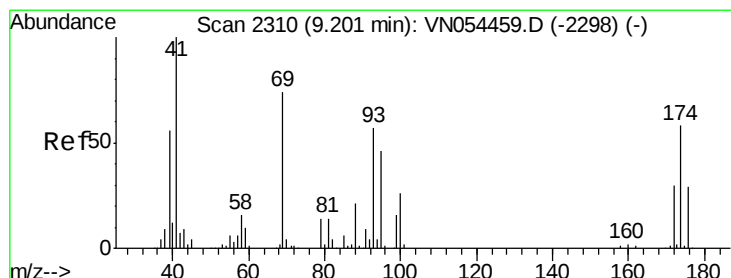
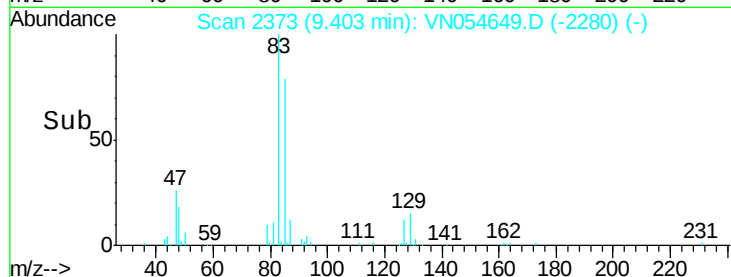
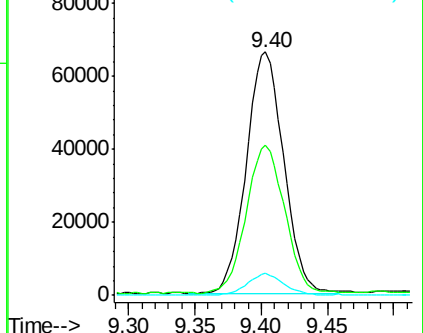
127 9.0 7.4 11.2



Abundance Ion 82.90 (82.60 to 83.60): VN054459.D (-2356) (-)

Ion 84.90 (84.60 to 85.60): VN054459.D (-2356) (-)

Ion 126.80 (126.50 to 127.50): VN054459.D (-2356) (-)



#48

Methyl methacrylate

Concen: 20.345 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN054649.D

Acq: 24 Mar 2019 15:41

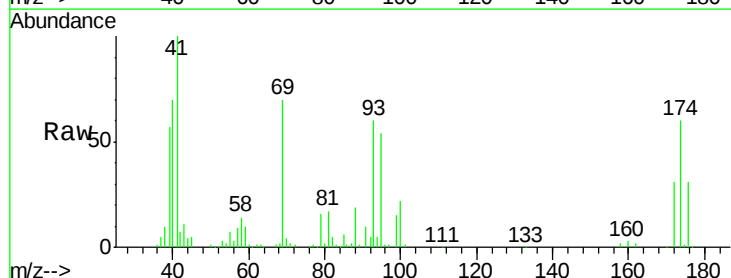
Tgt Ion: 41 Resp: 90778

Ion Ratio Lower Upper

41 100

69 71.2 72.6 108.8#

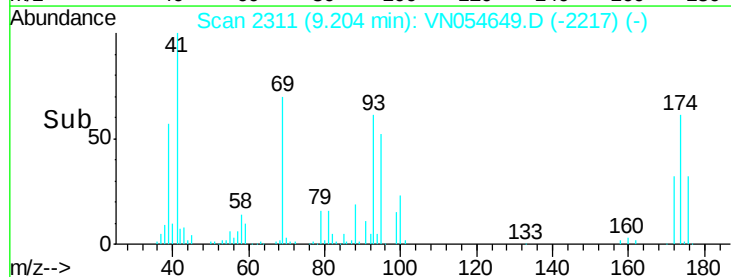
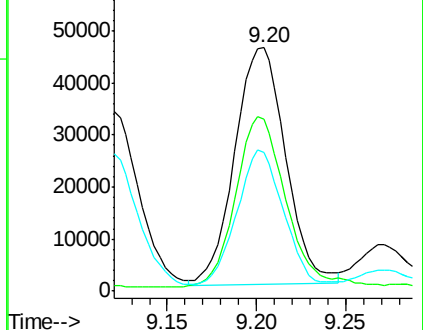
39 55.0 47.5 71.3

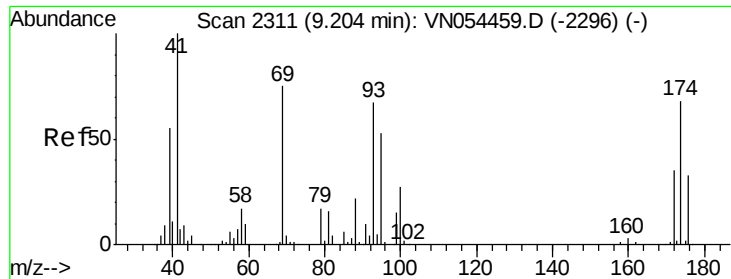


Abundance Ion 41.00 (40.70 to 41.70): VN054459.D (-2298) (-)

Ion 69.00 (68.70 to 69.70): VN054459.D (-2298) (-)

Ion 39.00 (38.70 to 39.70): VN054459.D (-2298) (-)





#49

1,4-Dioxane

Concen: 372.387 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. -0.00 min

Lab File: VN054649.D

Acq: 24 Mar 2019 15:41

Instrument :

MSVOA_N

ClientSampleId :

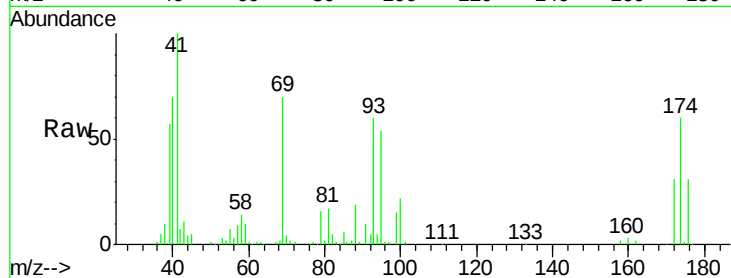
Tot Ion: 88 Resp: 18575

Ion Ratio Lower Upper

88 100

43 37.4 24.1 36.1#

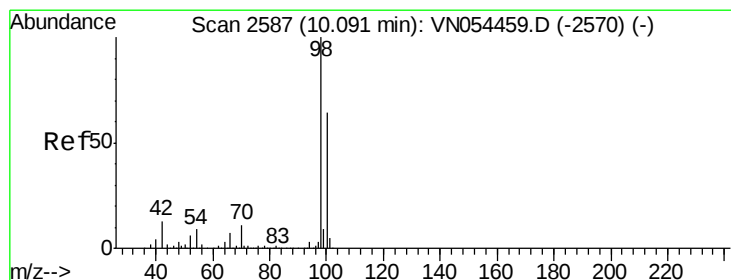
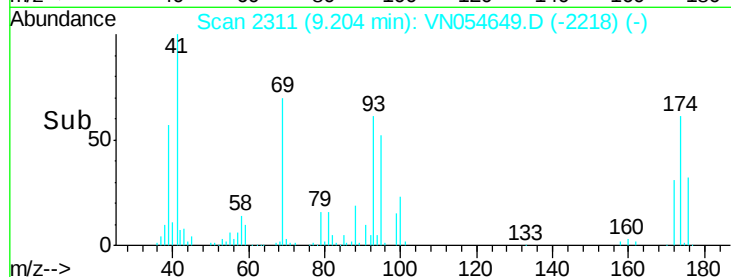
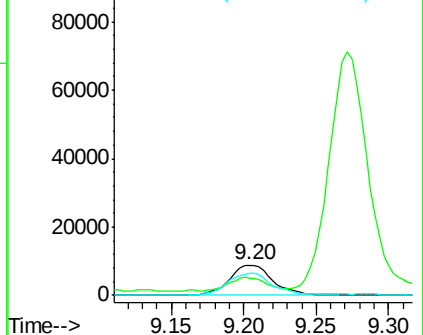
58 73.0 50.8 76.2



Abundance Ion 88.00 (87.70 to 88.70): VN054459.D (-2296) (-)

Ion 43.00 (42.70 to 43.70): VN054459.D (-2296) (-)

Ion 58.00 (57.70 to 58.70): VN054459.D (-2296) (-)



#50

Toluene-d8

Concen: 49.578 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN054649.D

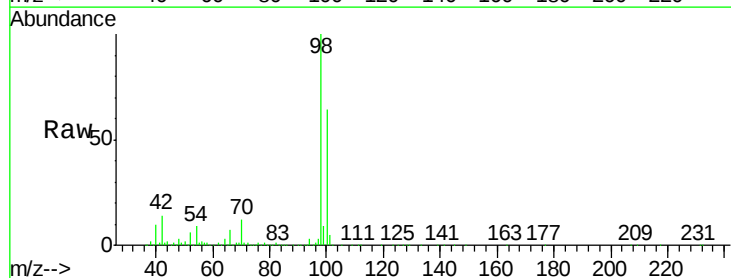
Acq: 24 Mar 2019 15:41

Tgt Ion: 98 Resp: 878915

Ion Ratio Lower Upper

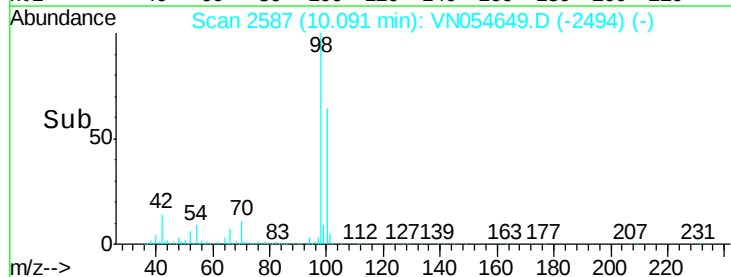
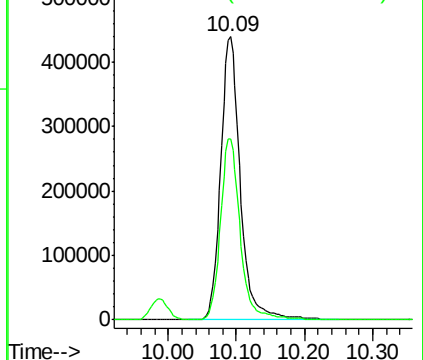
98 100

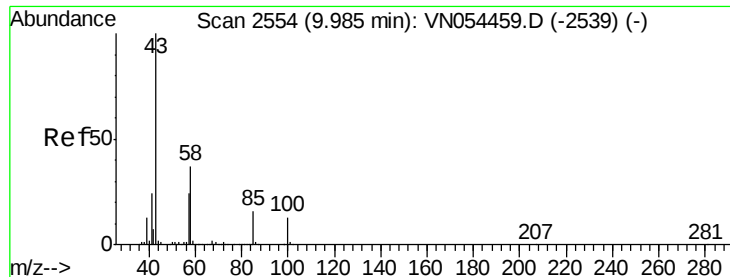
100 63.2 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN054459.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN054459.D (-2570) (-)





#51

4-Methyl-2-Pentanone

Concen: 106.528 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN054649.D

Acq: 24 Mar 2019 15:41

Instrument :

MSVOA_N

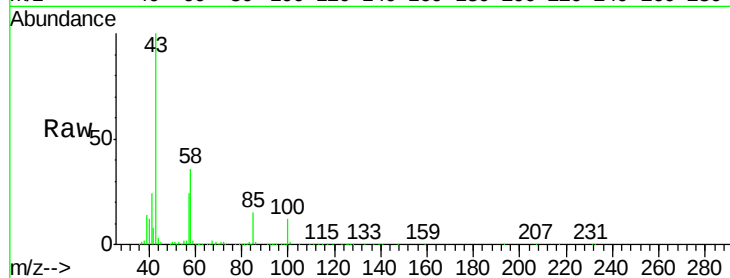
ClientSampled :

Tot Ion: 43 Resp: 485331

Ion Ratio Lower Upper

43 100

58 36.0 31.8 47.6



Abundance Ion 43.00 (42.70 to 43.70): VN054459.D (-2539) (-)

Ion 58.00 (57.70 to 58.70): VN054459.D (-2539) (-)

9.99

250000

200000

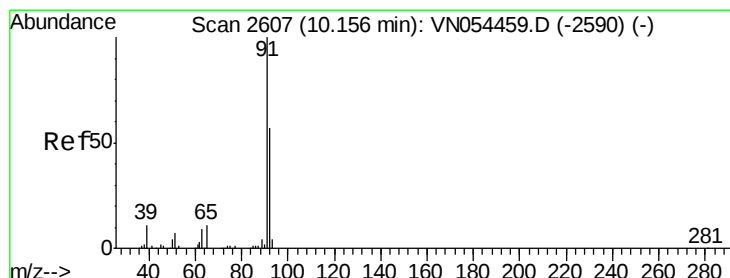
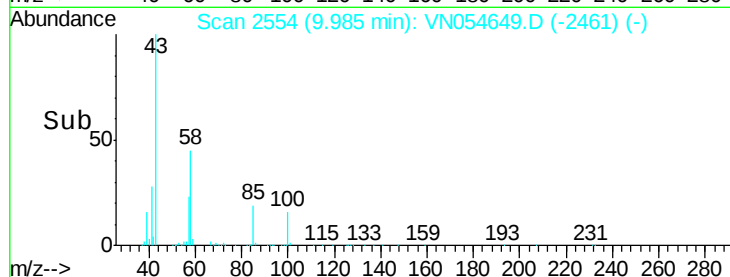
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 20.062 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN054649.D

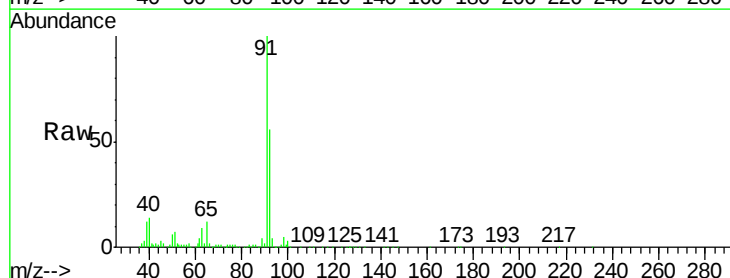
Acq: 24 Mar 2019 15:41

Tgt Ion: 92 Resp: 241480

Ion Ratio Lower Upper

92 100

91 175.3 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VN054459.D (-2590) (-)

Ion 91.00 (90.70 to 91.70): VN054459.D (-2590) (-)

250000

200000

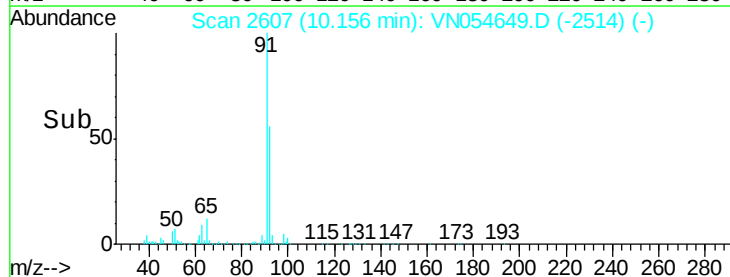
150000

100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 17.953 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN054649.D

Acq: 24 Mar 2019 15:41

Instrument :

MSVOA_N

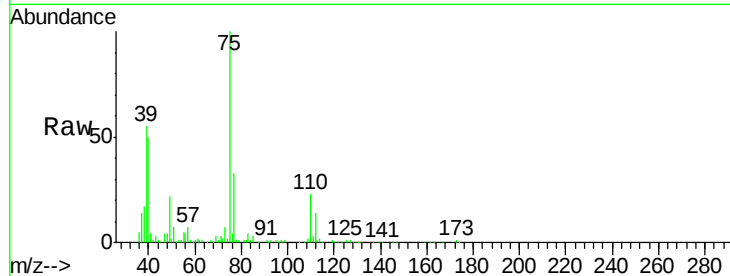
ClientSampleId :

Tot Ion: 75 Resp: 112944

Ion Ratio Lower Upper

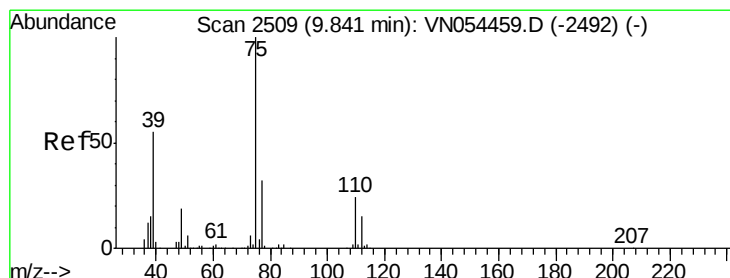
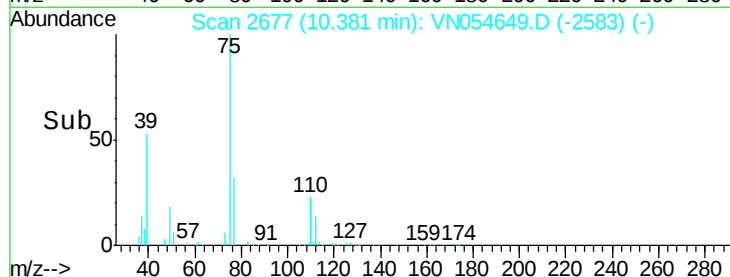
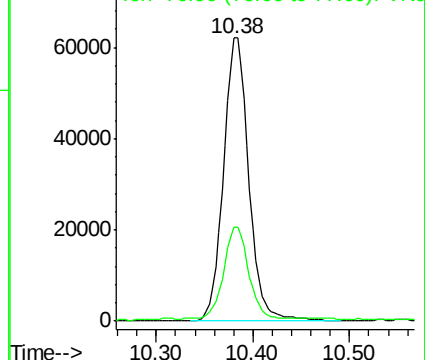
75 100

77 32.3 25.8 38.8



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 76.90 (76.60 to 77.60): VNO



#54

cis-1,3-Dichloropropene

Concen: 19.670 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN054649.D

Acq: 24 Mar 2019 15:41

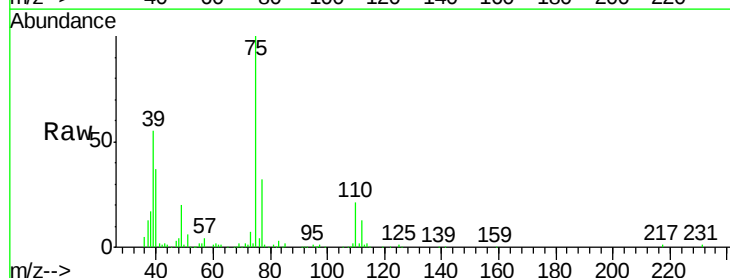
Tgt Ion: 75 Resp: 146743

Ion Ratio Lower Upper

75 100

77 31.4 25.4 38.0

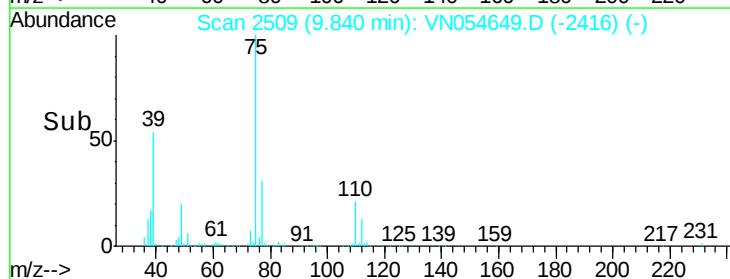
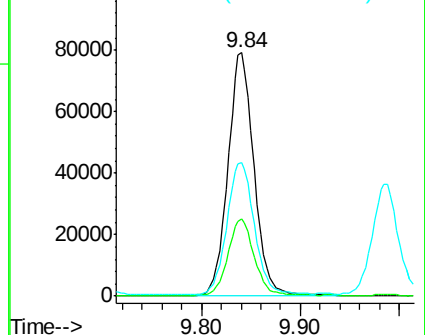
39 54.0 37.2 55.8

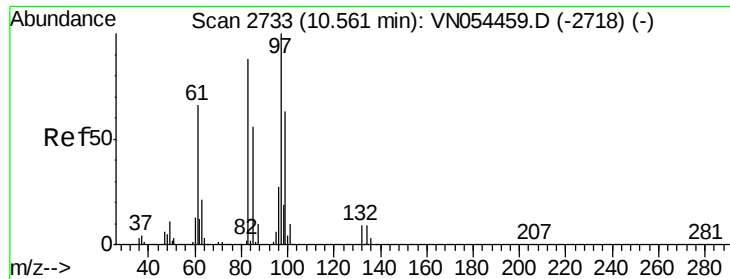


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 76.90 (76.60 to 77.60): VNO

Ion 39.00 (38.70 to 39.70): VNO

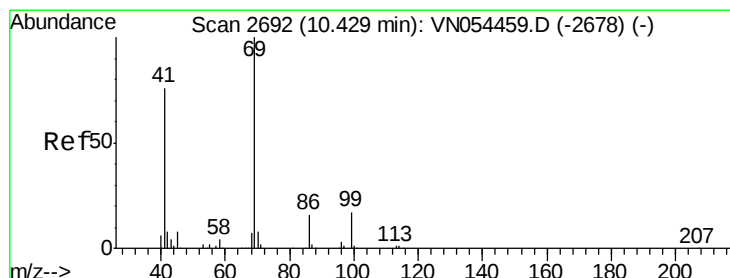
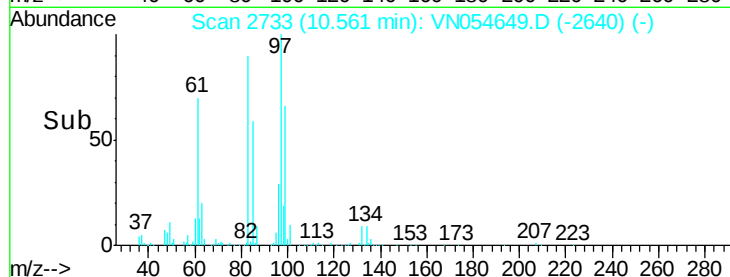
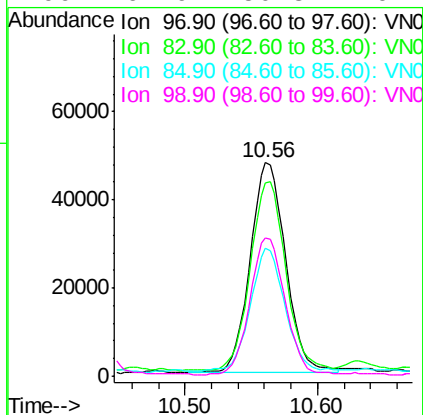
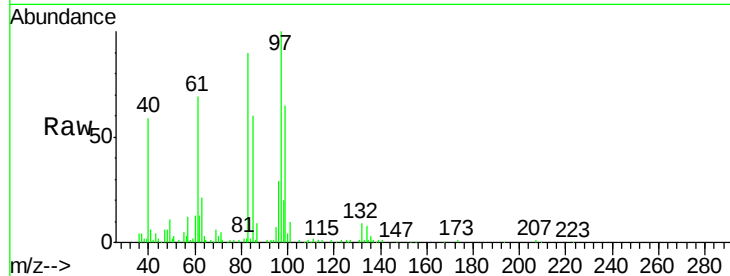




#55
 1,1,2-Trichloroethane
 Concen: 20.447 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN054649.D
 Acq: 24 Mar 2019 15:41

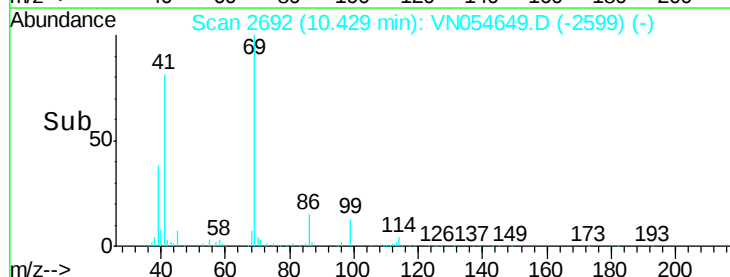
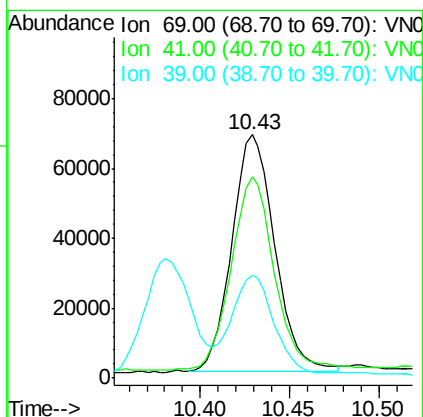
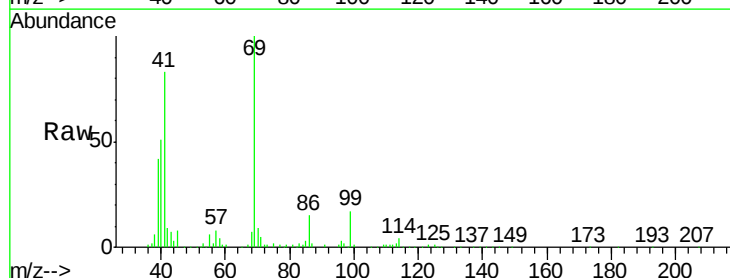
Instrument :
 MSVOA_N
 ClientSampleId :

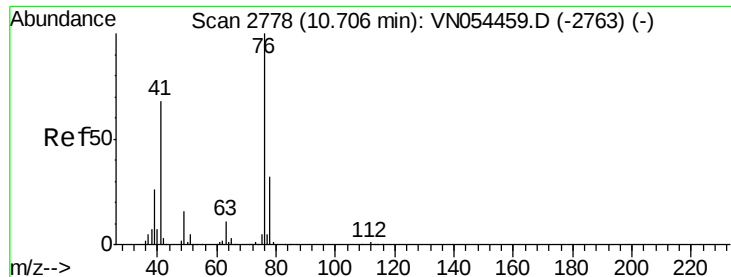
Tot Ion: 97 Resp: 88468
 Ion Ratio Lower Upper
 97 100
 83 88.9 66.6 100.0
 85 58.1 44.4 66.6
 99 64.9 50.8 76.2



#56
 Ethyl methacrylate
 Concen: 19.637 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN054649.D
 Acq: 24 Mar 2019 15:41

Tgt Ion: 69 Resp: 114038
 Ion Ratio Lower Upper
 69 100
 41 82.4 49.4 74.2#
 39 40.9 28.3 42.5





#57

1,3-Dichloropropane

Concen: 21.113 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN054649.D

Acq: 24 Mar 2019 15:41

Instrument :

MSVOA_N

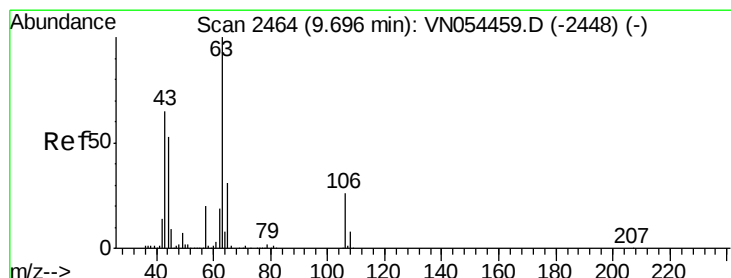
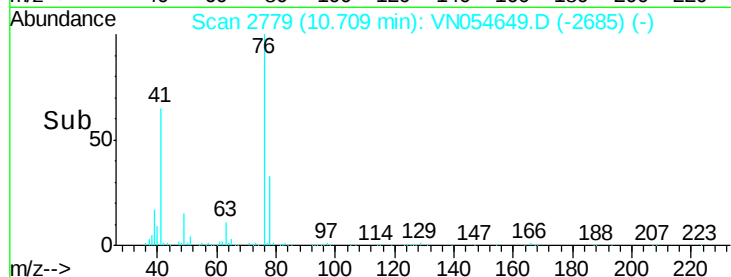
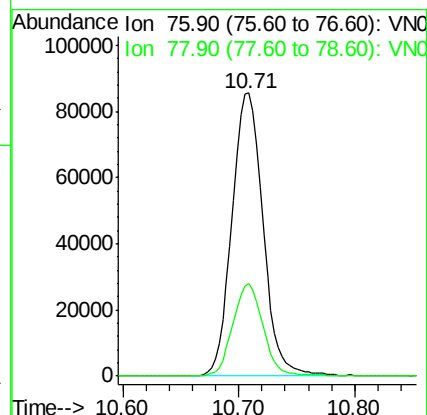
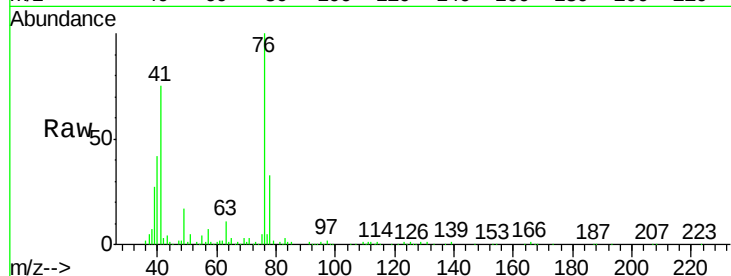
ClientSampleId :

Tot Ion: 76 Resp: 158796

Ion Ratio Lower Upper

76 100

78 31.6 25.7 38.5



#58

2-Chloroethyl Vinyl ether

Concen: 80.598 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN054649.D

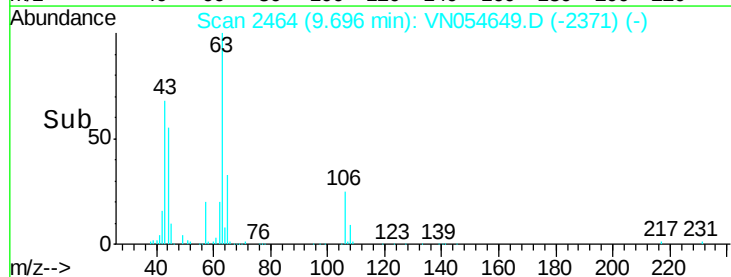
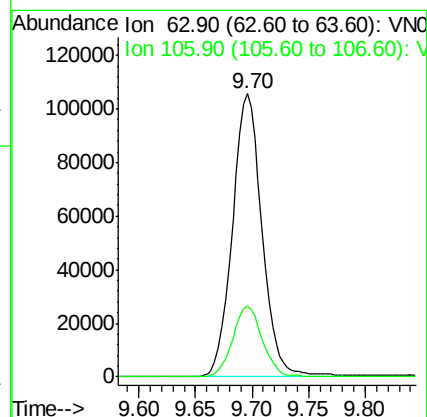
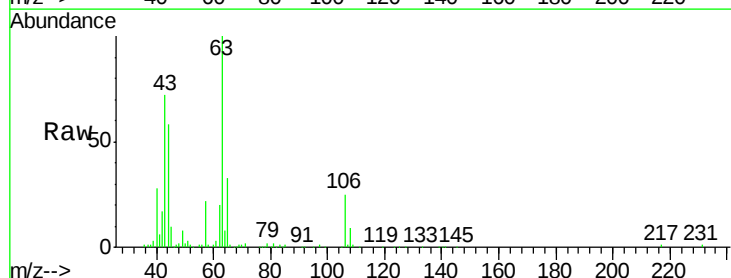
Acq: 24 Mar 2019 15:41

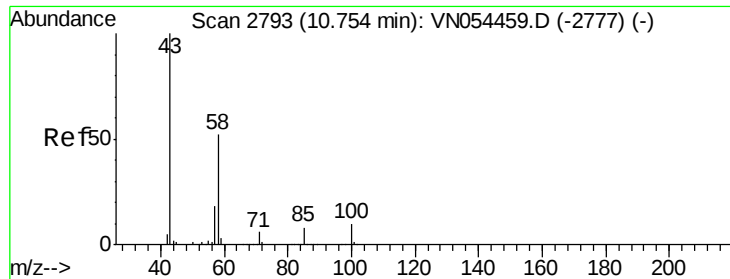
Tgt Ion: 63 Resp: 192737

Ion Ratio Lower Upper

63 100

106 25.1 24.4 36.6

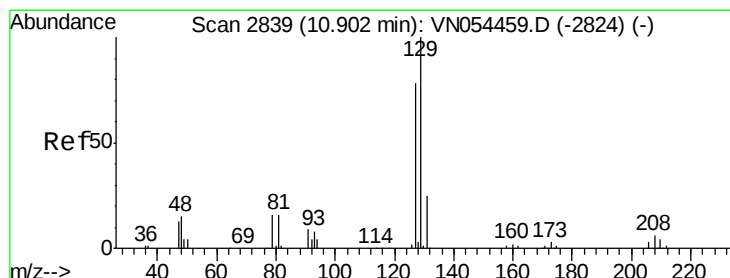
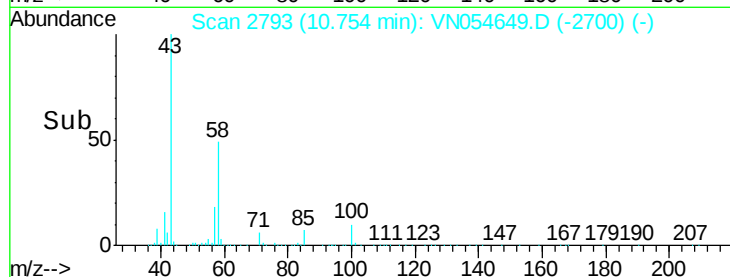
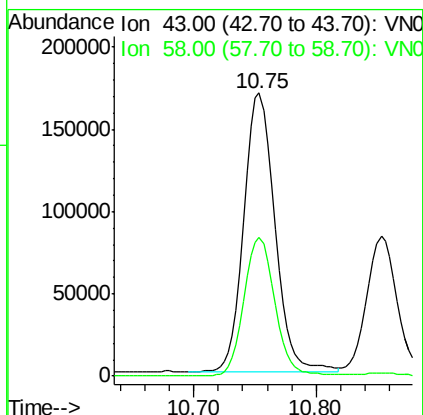
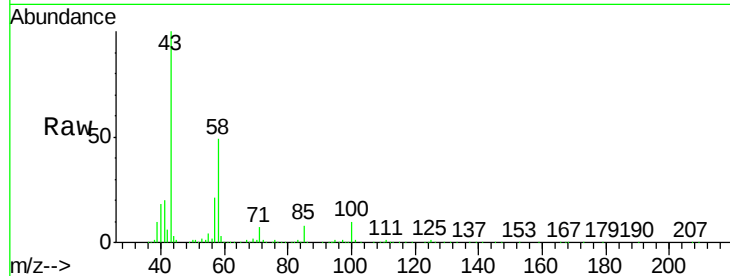




#59
2-Hexanone
Concen: 100.597 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN054649.D
Acq: 24 Mar 2019 15:41

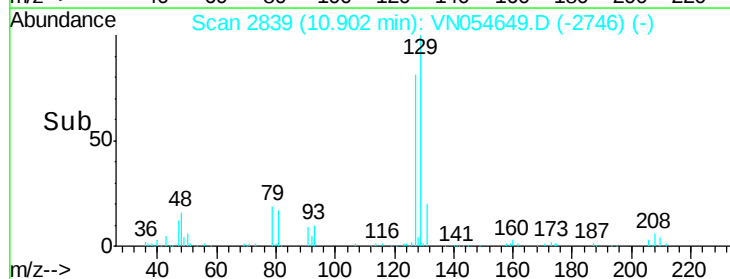
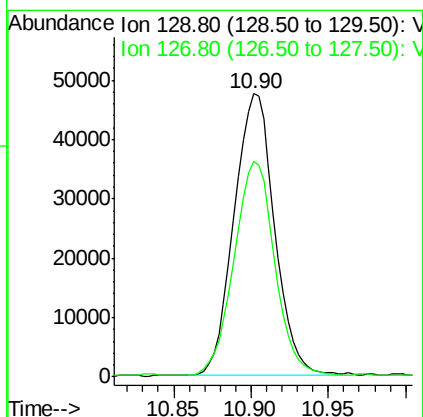
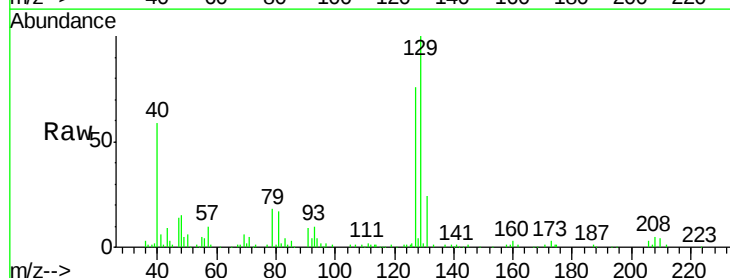
Instrument :
MSVOA_N
ClientSampleId :

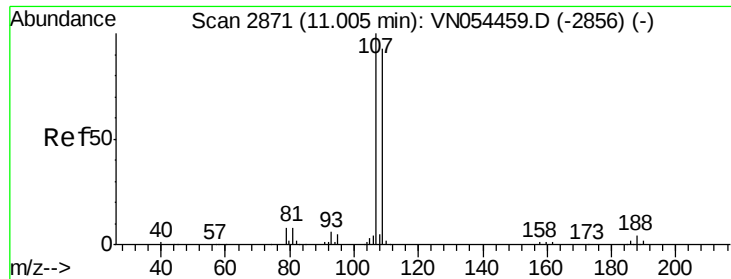
Tot Ion: 43 Resp: 299364
Ion Ratio Lower Upper
43 100
58 48.7 28.0 83.9



#60
Dibromochloromethane
Concen: 18.725 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN054649.D
Acq: 24 Mar 2019 15:41

Tgt Ion: 129 Resp: 86210
Ion Ratio Lower Upper
129 100
127 76.1 38.6 115.8





#61

1,2-Dibromoethane

Concen: 19.505 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN054649.D

Acq: 24 Mar 2019 15:41

Instrument :

MSVOA_N

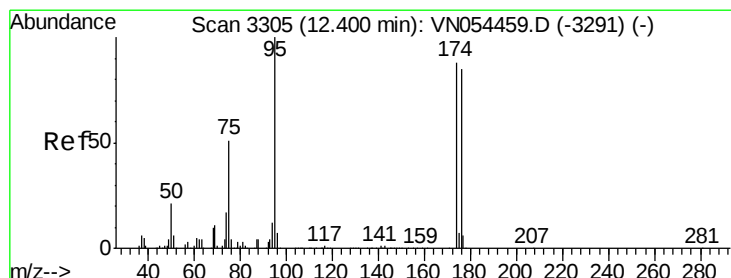
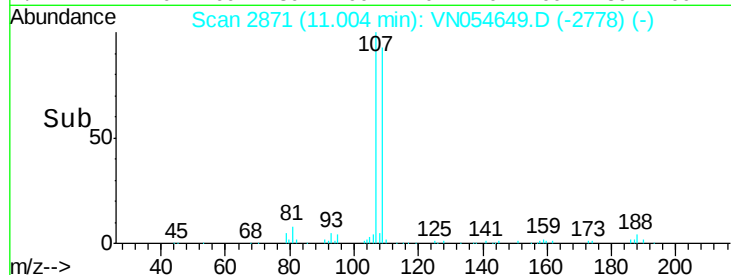
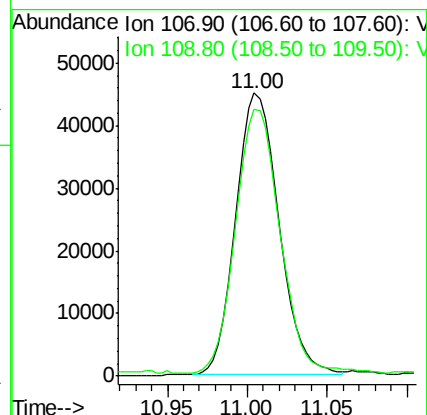
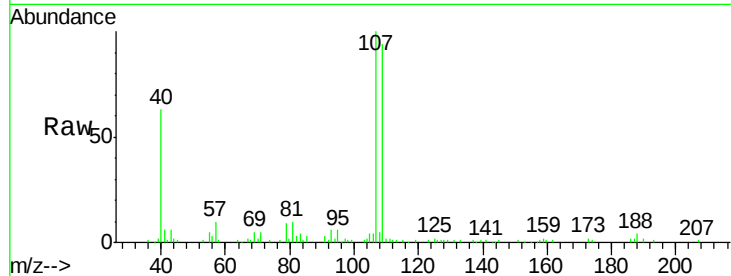
ClientSampled :

Tot Ion:107 Resp: 83434

Ion Ratio Lower Upper

107 100

109 95.9 75.9 113.9



#62

4-Bromofluorobenzene

Concen: 48.878 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN054649.D

Acq: 24 Mar 2019 15:41

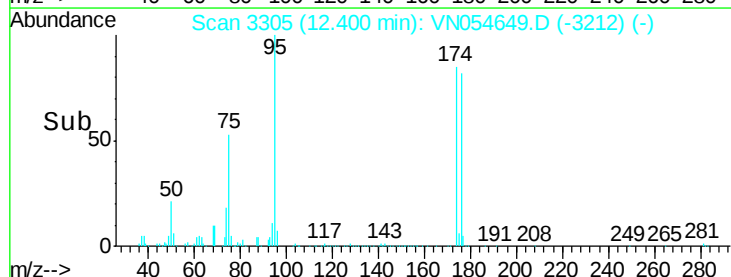
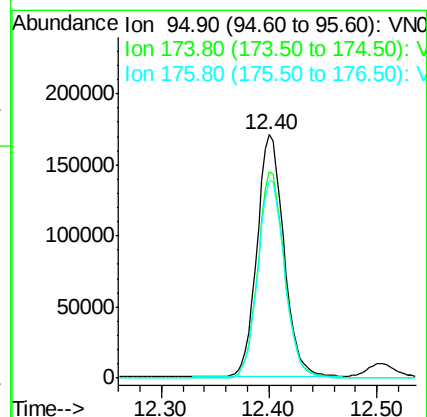
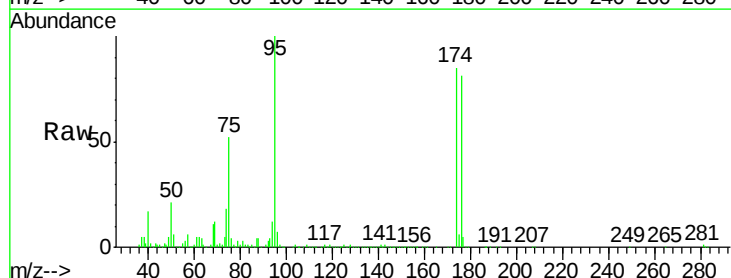
Tgt Ion: 95 Resp: 294853

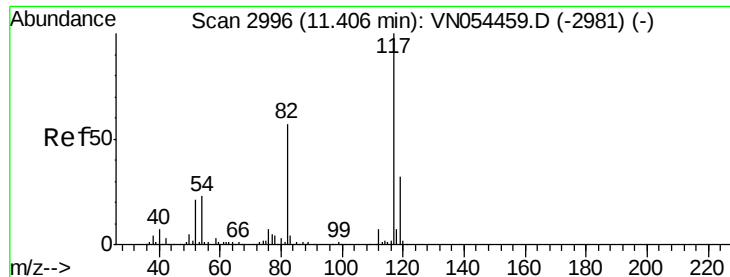
Ion Ratio Lower Upper

95 100

174 84.9 0.0 191.0

176 81.9 0.0 187.4

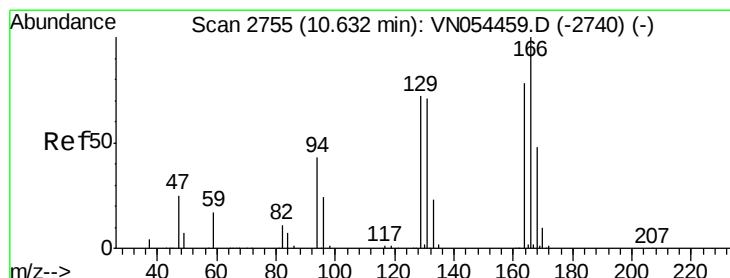
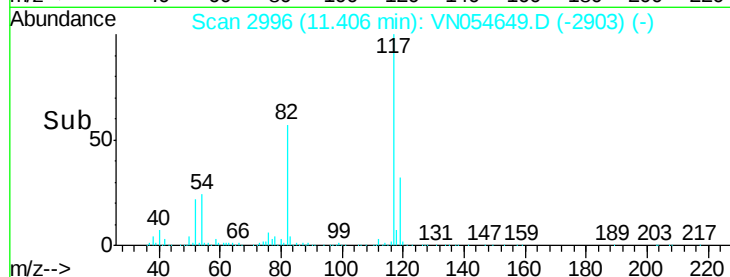
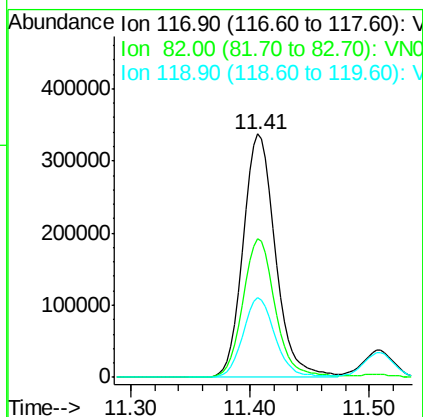
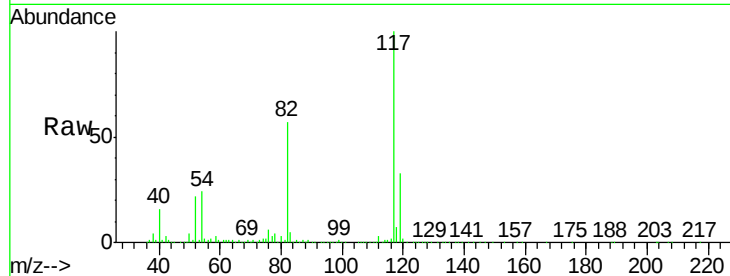




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054649.D
Acq: 24 Mar 2019 15:41

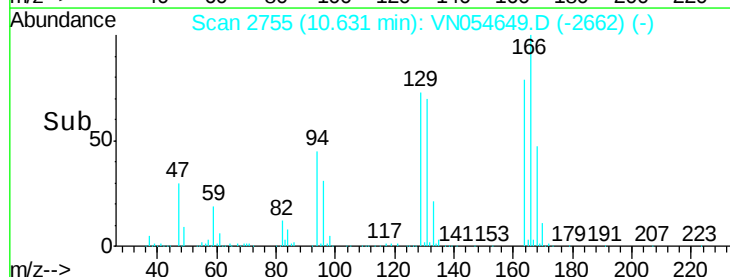
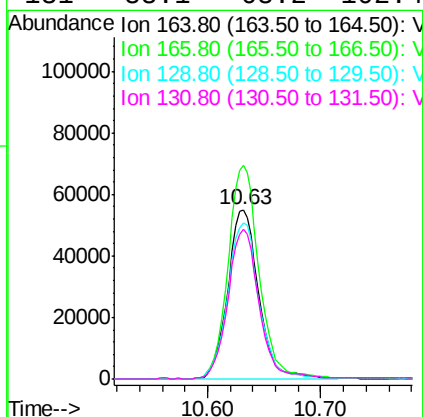
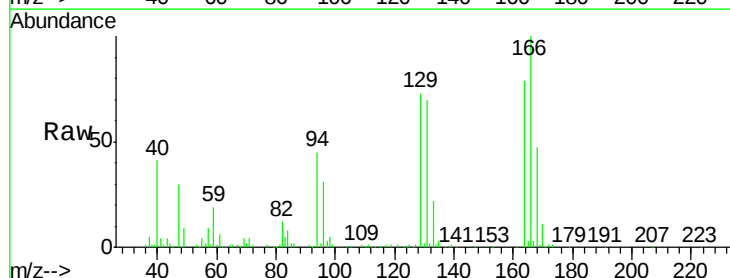
Instrument :
MSVOA_N
ClientSampled :

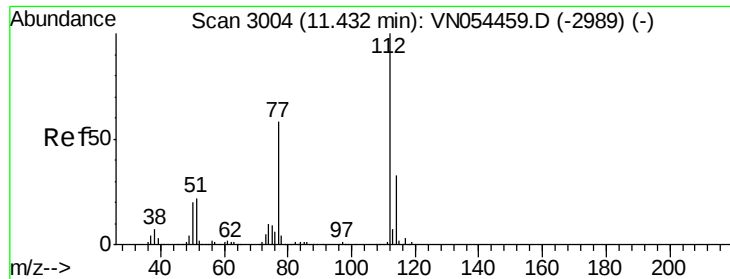
Tot Ion:117 Resp: 634359
Ion Ratio Lower Upper
117 100
82 56.9 40.0 60.0
119 32.7 25.8 38.6



#64
Tetrachloroethene
Concen: 19.932 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN054649.D
Acq: 24 Mar 2019 15:41

Tgt Ion:164 Resp: 104877
Ion Ratio Lower Upper
164 100
166 126.3 103.9 155.9
129 92.0 71.1 106.7
131 88.1 68.2 102.4





#65

Chlorobenzene

Concen: 20.194 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN054649.D

Acq: 24 Mar 2019 15:41

Instrument :

MSVOA_N

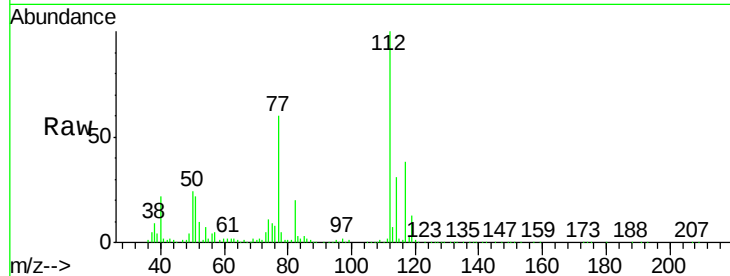
ClientSampleId :

Tot Ion:112 Resp: 260546

Ion Ratio Lower Upper

112 100

114 31.3 25.9 38.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.43

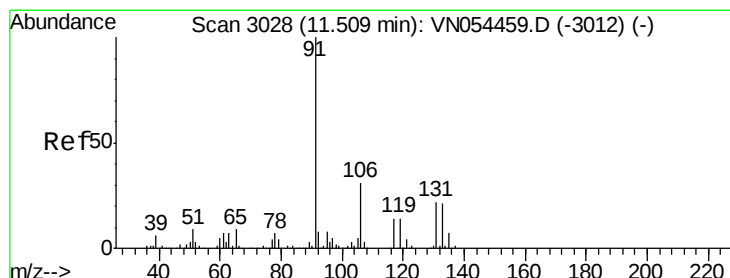
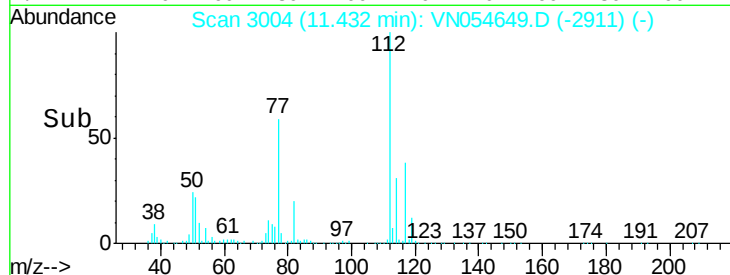
150000

100000

50000

0

Time--> 11.30 11.40 11.50



#66

1,1,1,2-Tetrachloroethane

Concen: 19.348 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN054649.D

Acq: 24 Mar 2019 15:41

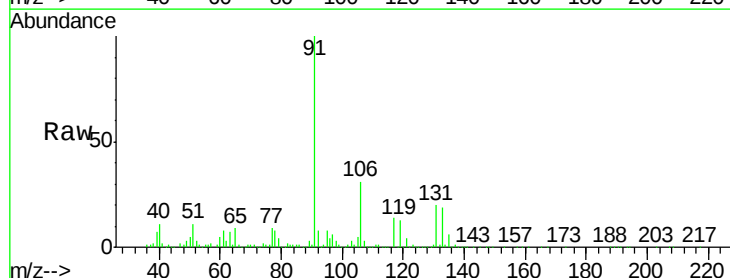
Tgt Ion:131 Resp: 89598

Ion Ratio Lower Upper

131 100

133 96.8 47.6 142.9

119 68.7 32.4 97.0



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

11.51

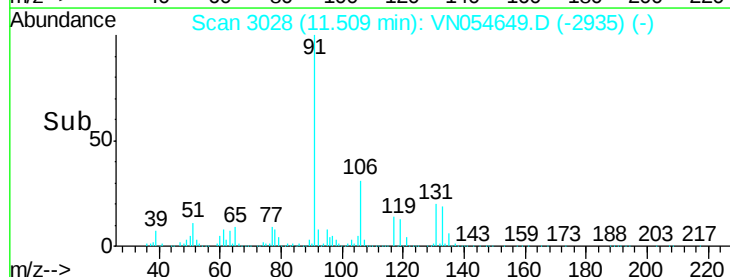
150000

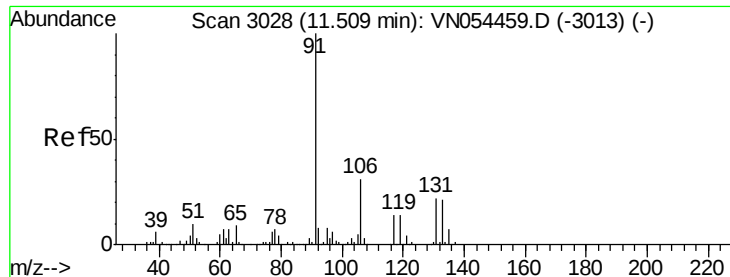
100000

50000

0

Time--> 11.45 11.50 11.55 11.60

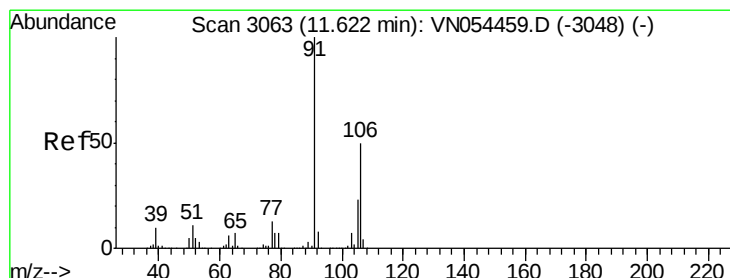
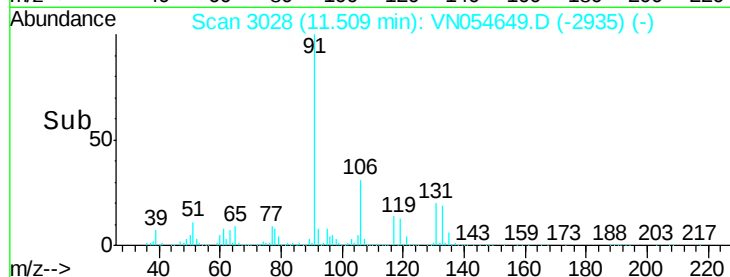
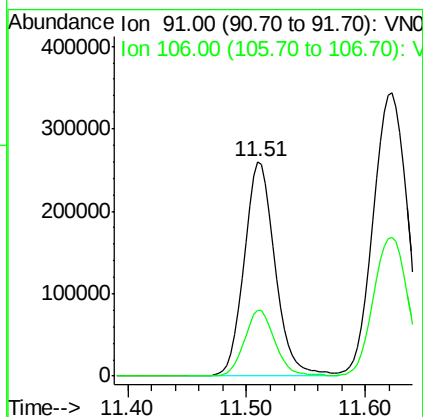
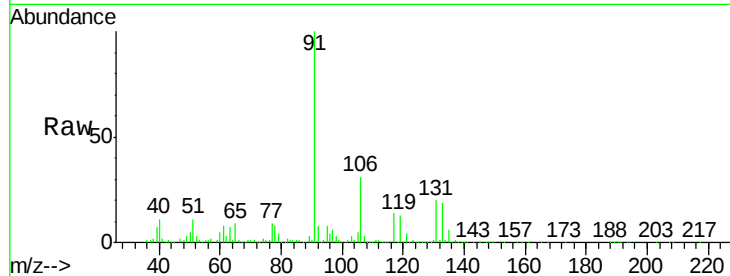




#67
Ethyl Benzene
Concen: 20.469 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN054649.D
Acq: 24 Mar 2019 15:41

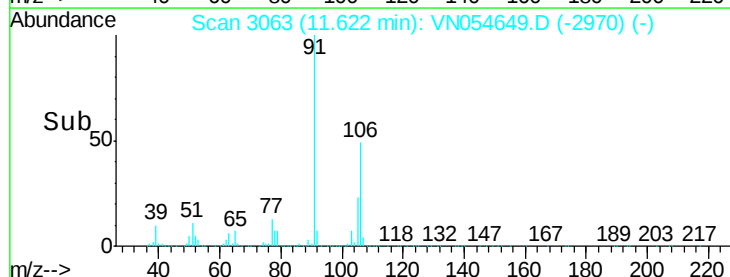
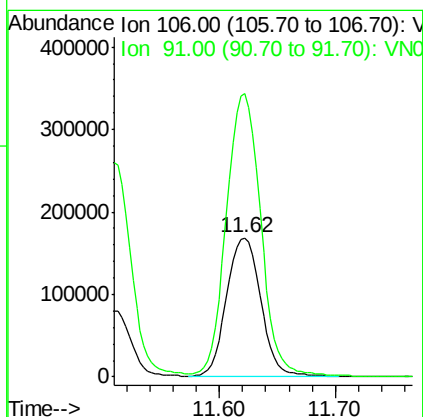
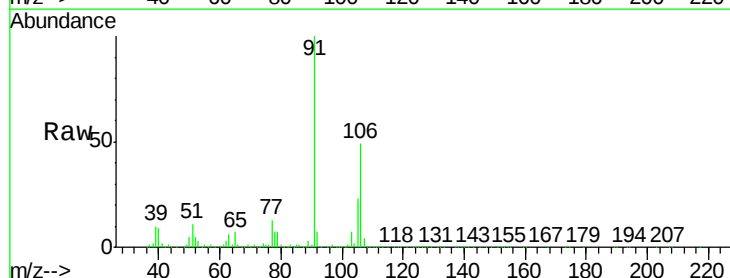
Instrument :
MSVOA_N
ClientSampleId :

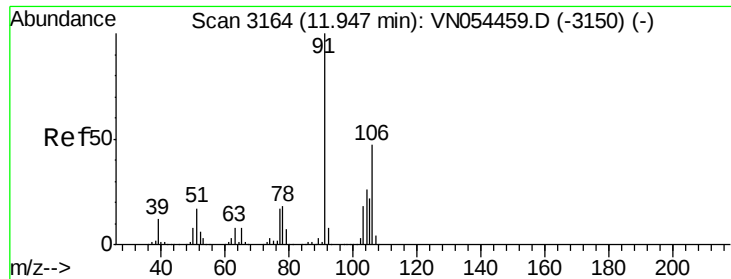
Tot Ion: 91 Resp: 466507
Ion Ratio Lower Upper
91 100
106 30.8 25.5 38.3



#68
m/p-Xylenes
Concen: 39.776 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN054649.D
Acq: 24 Mar 2019 15:41

Tgt Ion: 106 Resp: 343370
Ion Ratio Lower Upper
106 100
91 205.9 159.4 239.2

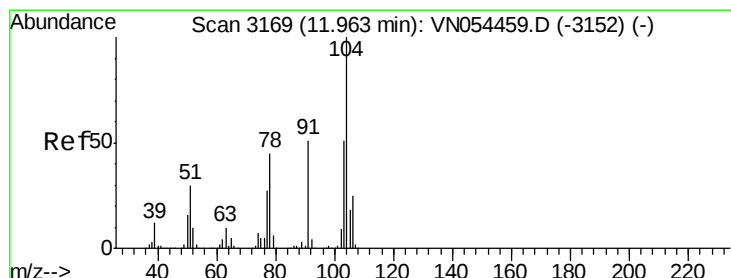
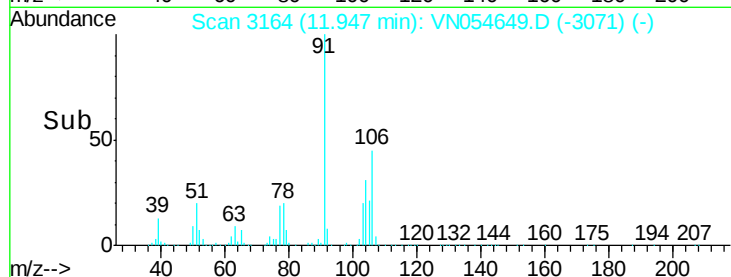
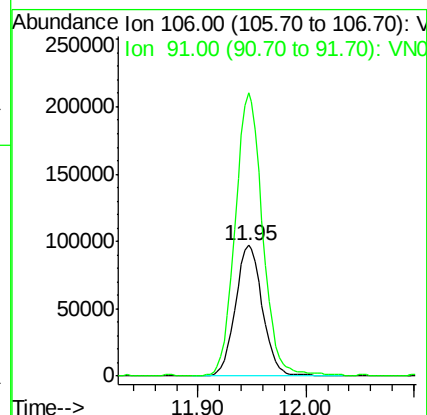
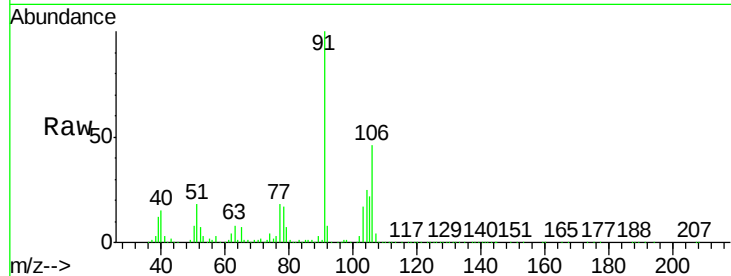




#69
o-Xylene
Concen: 20.281 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN054649.D
Acq: 24 Mar 2019 15:41

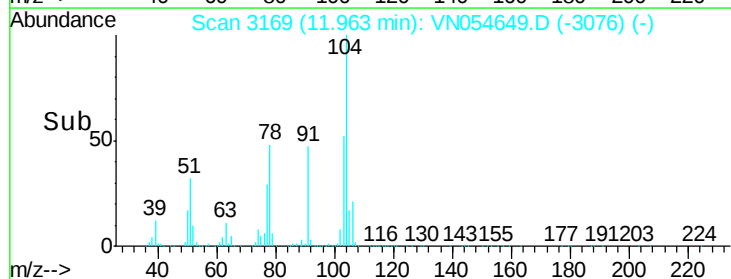
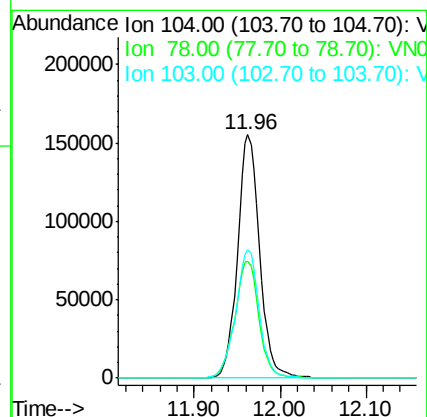
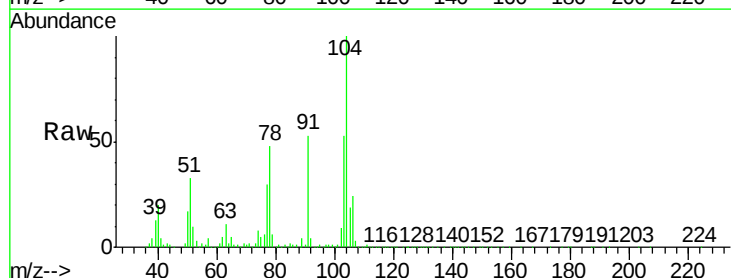
Instrument :
MSVOA_N
ClientSampled :

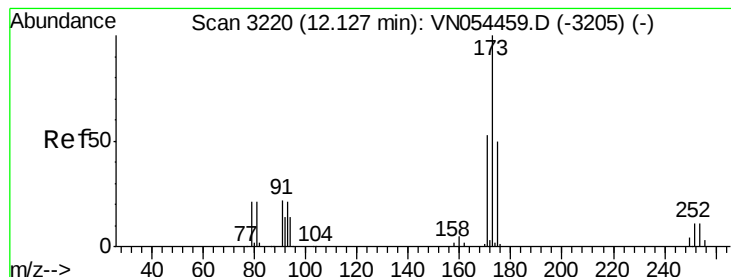
Tot Ion:106 Resp: 170980
Ion Ratio Lower Upper
106 100
91 215.4 105.7 317.1



#70
Styrene
Concen: 20.179 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN054649.D
Acq: 24 Mar 2019 15:41

Tgt Ion:104 Resp: 276257
Ion Ratio Lower Upper
104 100
78 52.8 38.2 57.2
103 56.4 44.4 66.6





#71

Bromoform

Concen: 17.140 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN054649.D

Acq: 24 Mar 2019 15:41

Instrument :

MSVOA_N

ClientSampled :

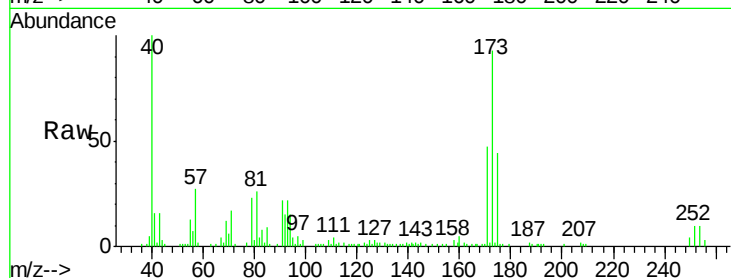
Tot Ion:173 Resp: 49846

Ion Ratio Lower Upper

173 100

175 46.7 24.4 73.2

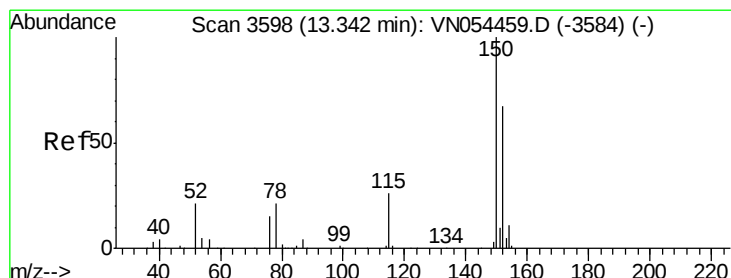
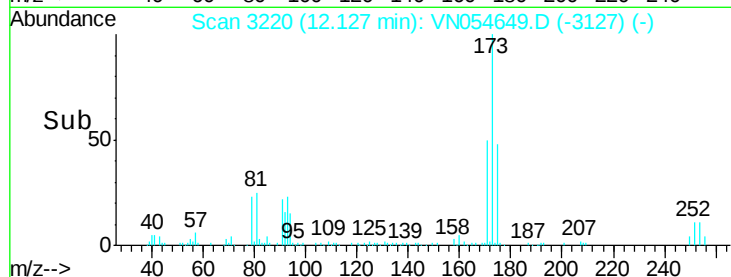
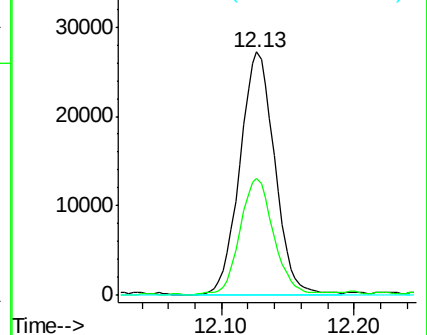
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN054649.D

Acq: 24 Mar 2019 15:41

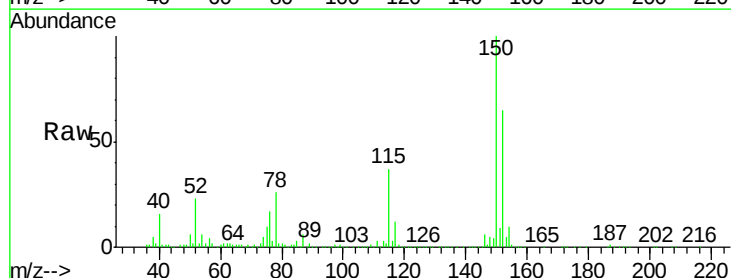
Tgt Ion:152 Resp: 269851

Ion Ratio Lower Upper

152 100

115 57.2 27.2 81.6

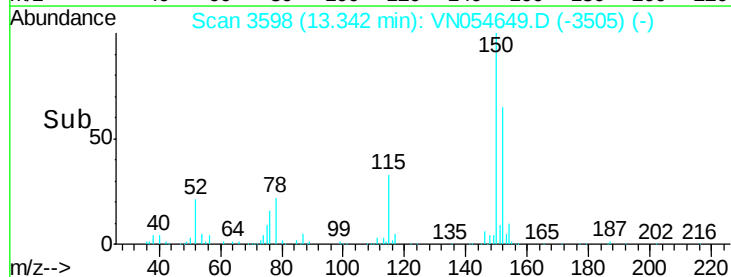
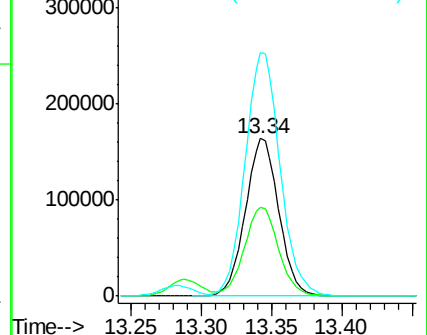
150 162.8 0.0 349.2

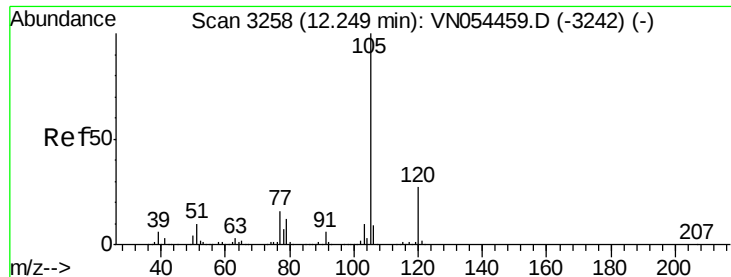


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.745 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN054649.D

Acq: 24 Mar 2019 15:41

Instrument :

MSVOA_N

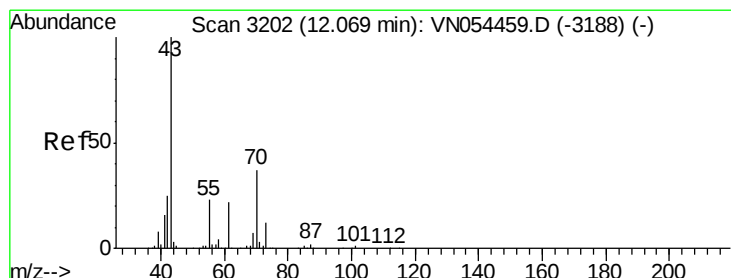
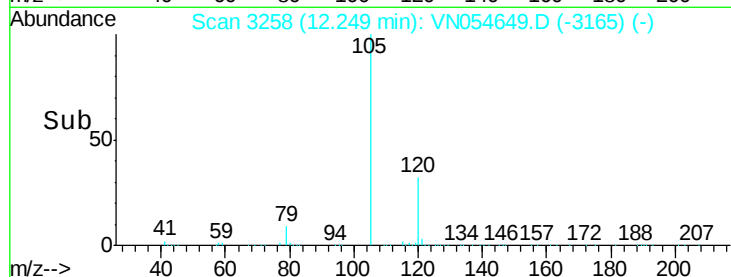
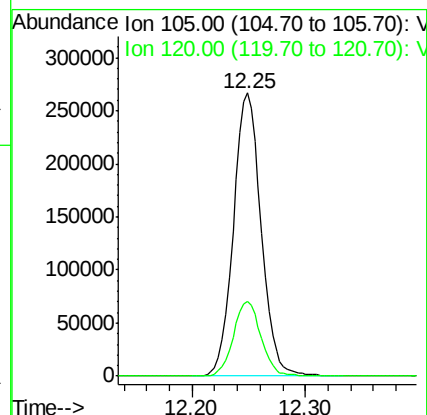
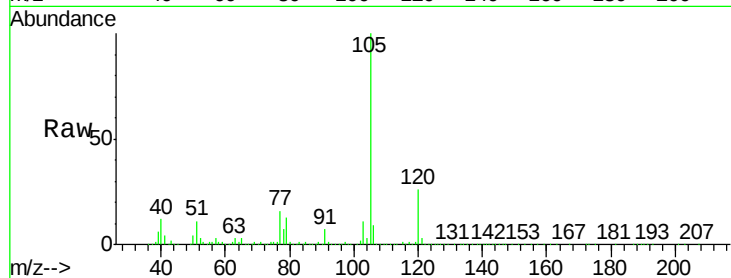
ClientSampleId :

Tot Ion:105 Resp: 451107

Ion Ratio Lower Upper

105 100

120 26.6 13.8 41.3



#74

N-ethyl acetate

Concen: 21.846 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN054649.D

Acq: 24 Mar 2019 15:41

Tgt Ion: 43 Resp: 136593

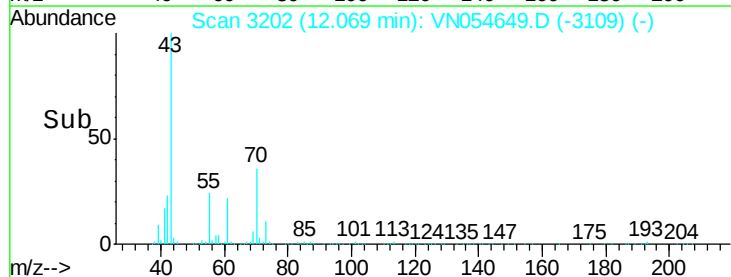
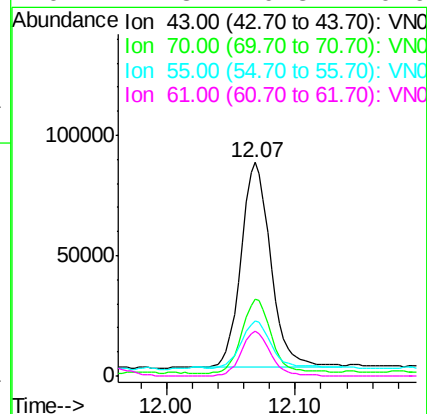
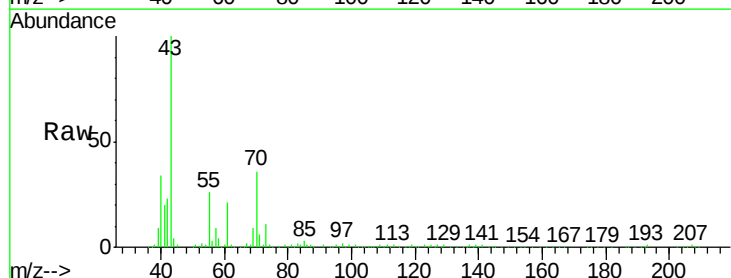
Ion Ratio Lower Upper

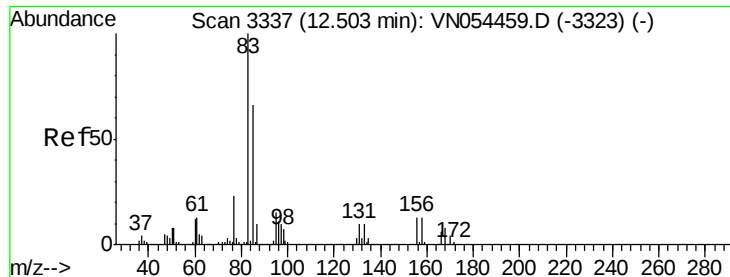
43 100

70 36.5 35.4 53.0

55 23.2 19.8 29.6

61 21.3 19.8 29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 21.338 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN054649.D

Acq: 24 Mar 2019 15:41

Instrument :

MSVOA_N

ClientSampleId :

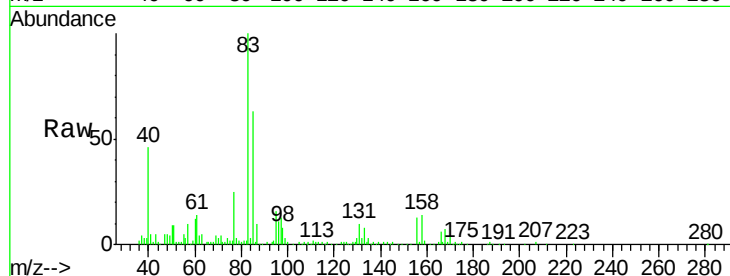
Tot Ion: 83 Resp: 105917

Ion Ratio Lower Upper

83 100

131 11.4 5.8 17.4

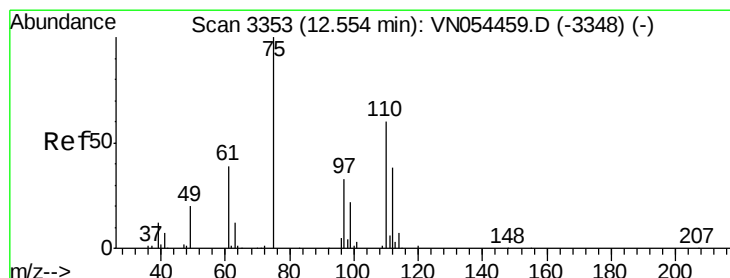
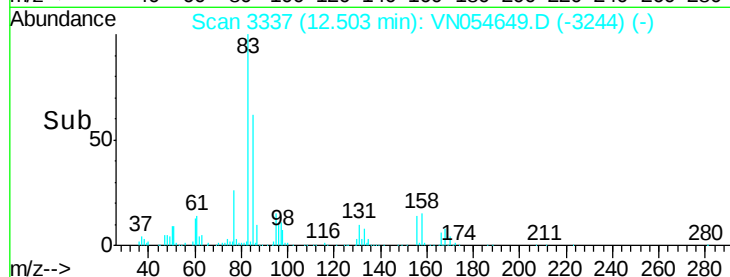
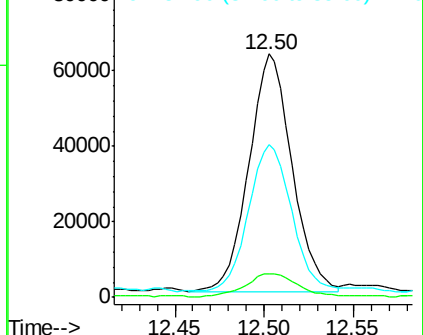
85 61.7 32.2 96.6



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 28.962 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN054649.D

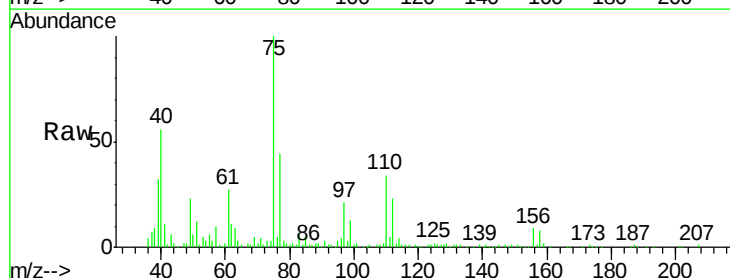
Acq: 24 Mar 2019 15:41

Tgt Ion: 75 Resp: 124019

Ion Ratio Lower Upper

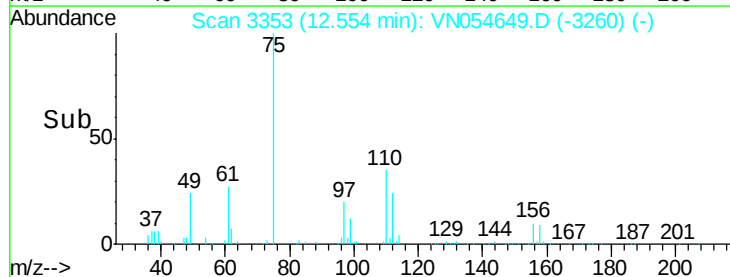
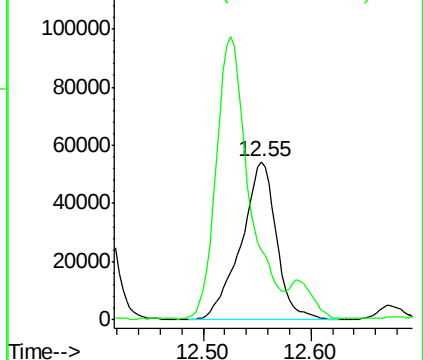
75 100

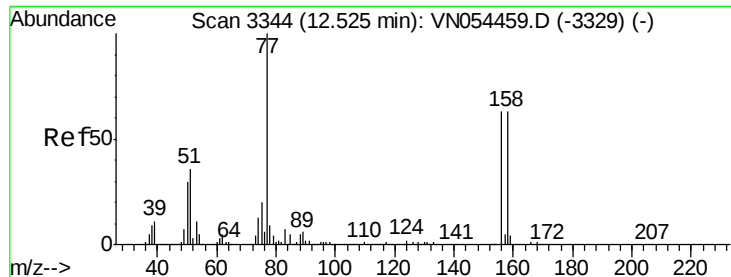
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 20.276 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN054649.D

Acq: 24 Mar 2019 15:41

Instrument :

MSVOA_N

ClientSampled :

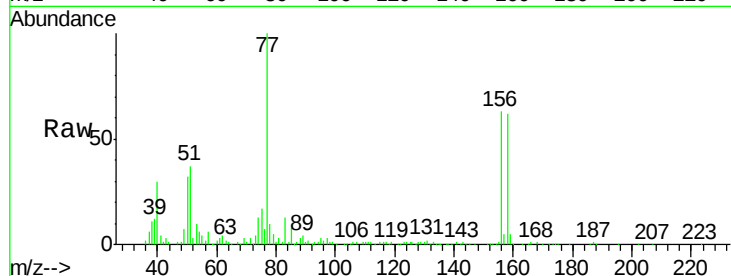
Tot Ion:156 Resp: 109352

Ion Ratio Lower Upper

156 100

77 188.5 81.5 244.4

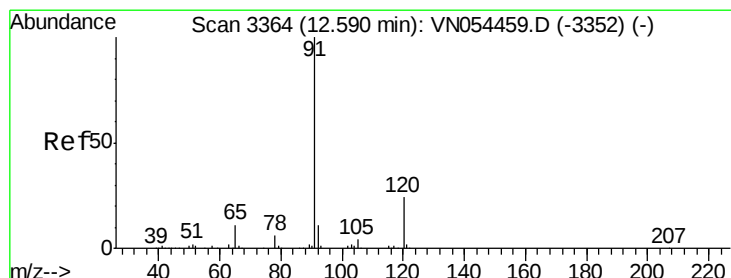
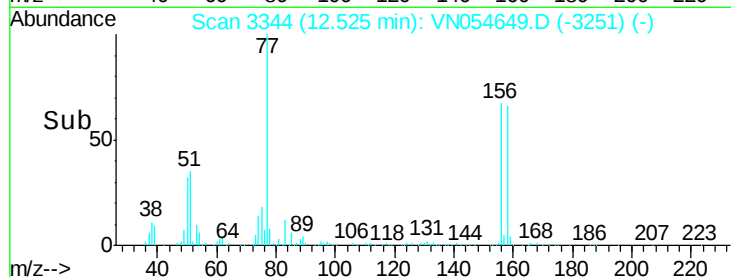
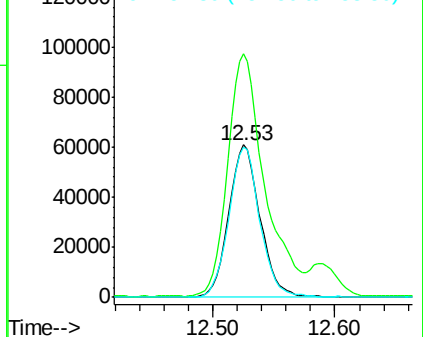
158 97.5 49.0 147.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.690 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN054649.D

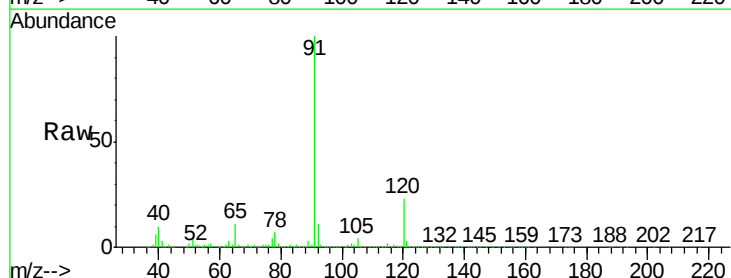
Acq: 24 Mar 2019 15:41

Tgt Ion: 91 Resp: 487863

Ion Ratio Lower Upper

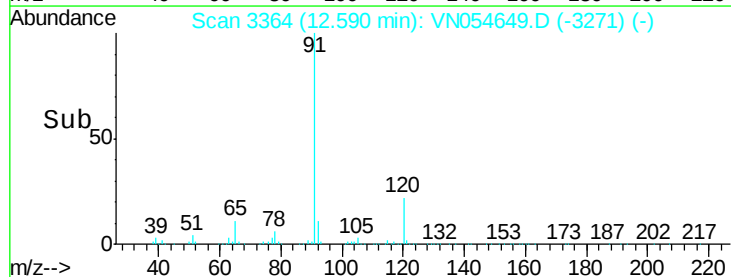
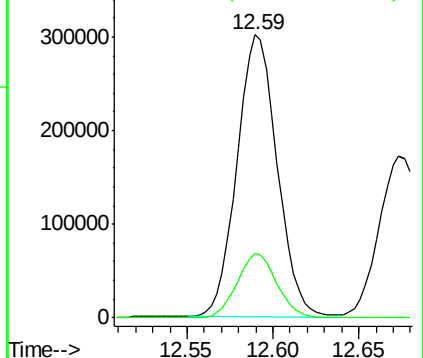
91 100

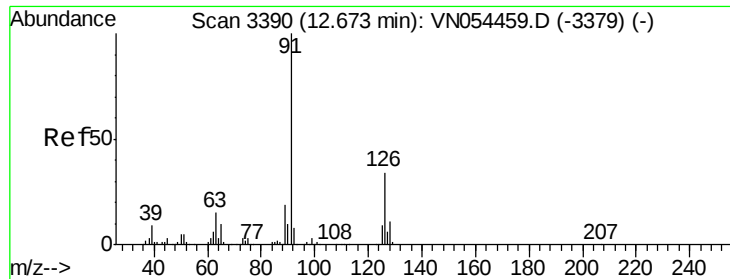
120 22.7 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

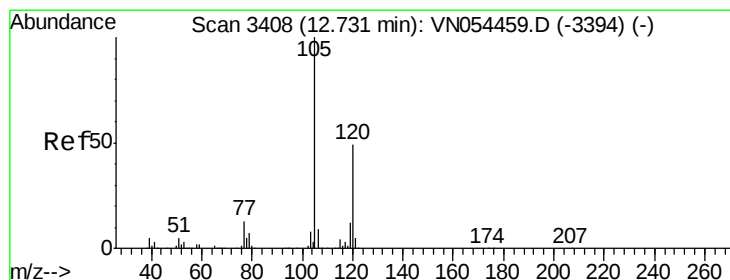
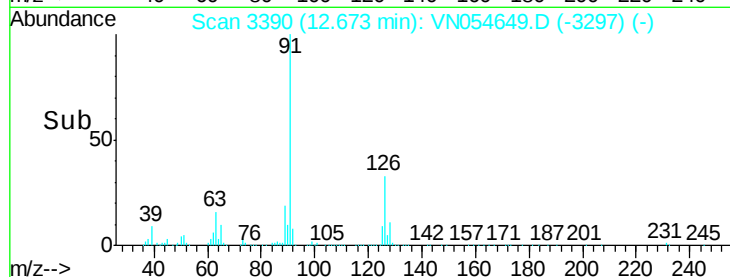
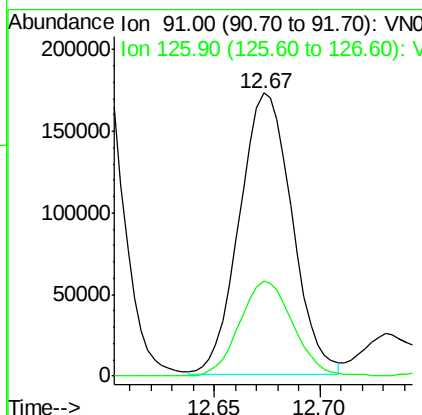
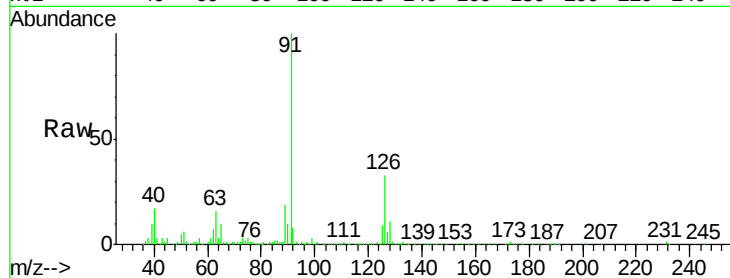




#79
 2-Chlorotoluene
 Concen: 20.349 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. -0.00 min
 Lab File: VN054649.D
 Acq: 24 Mar 2019 15:41

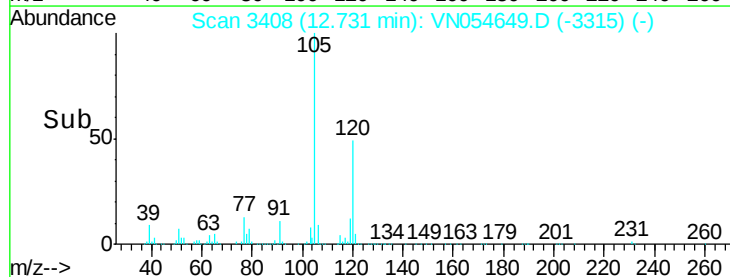
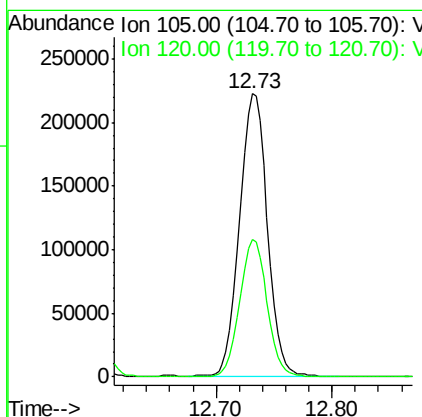
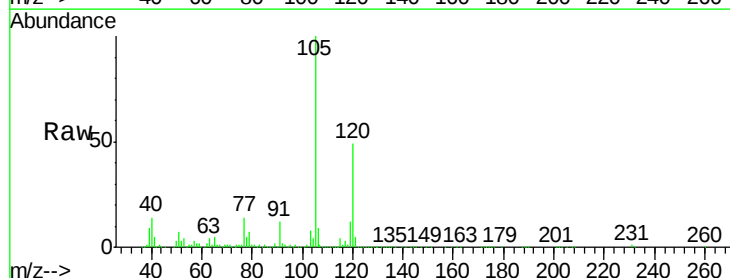
Instrument :
 MSVOA_N
 ClientSampled :

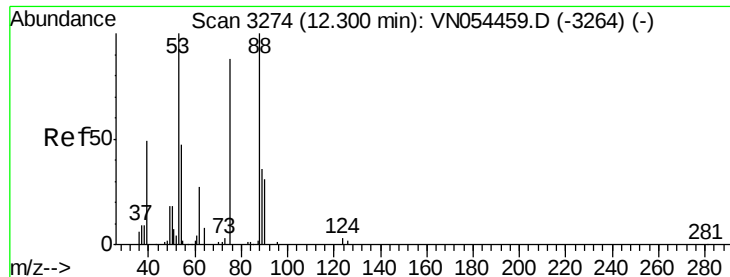
Tot Ion: 91 Resp: 299213
 Ion Ratio Lower Upper
 91 100
 126 34.3 18.7 56.1



#80
 1,3,5-Trimethylbenzene
 Concen: 20.735 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. -0.00 min
 Lab File: VN054649.D
 Acq: 24 Mar 2019 15:41

Tgt Ion: 105 Resp: 369539
 Ion Ratio Lower Upper
 105 100
 120 47.6 25.0 75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 15.908 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN054649.D

Acq: 24 Mar 2019 15:41

Instrument :

MSVOA_N

ClientSampleId :

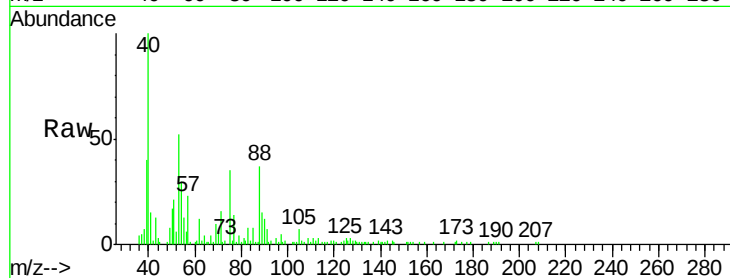
Tot Ion: 75 Resp: 16892

Ion Ratio Lower Upper

75 100

53 147.2 76.2 114.2#

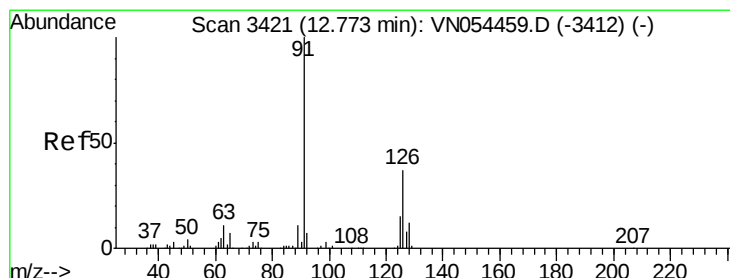
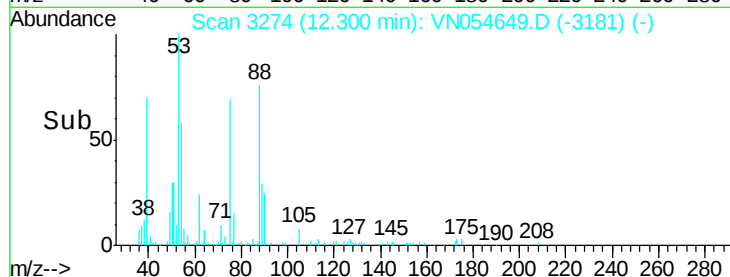
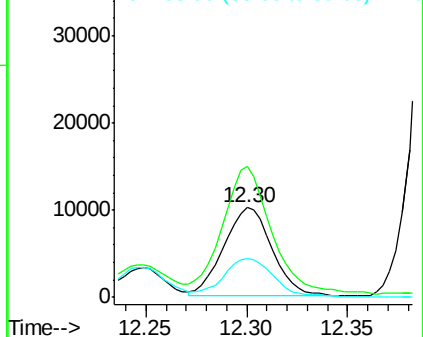
89 46.1 39.2 58.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 20.178 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN054649.D

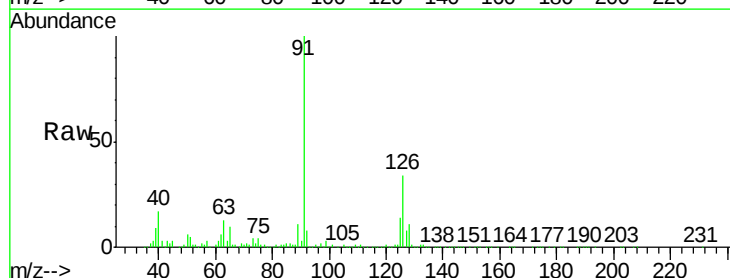
Acq: 24 Mar 2019 15:41

Tgt Ion: 91 Resp: 287597

Ion Ratio Lower Upper

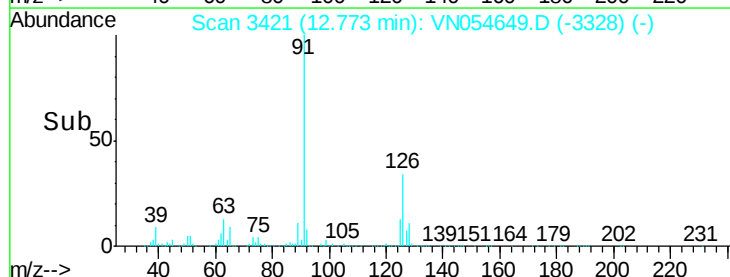
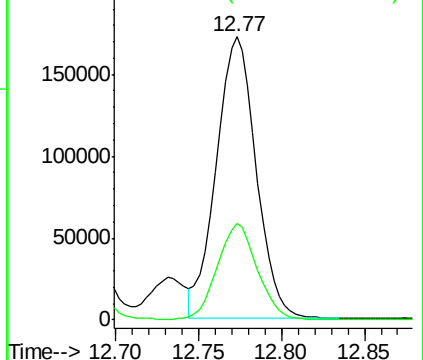
91 100

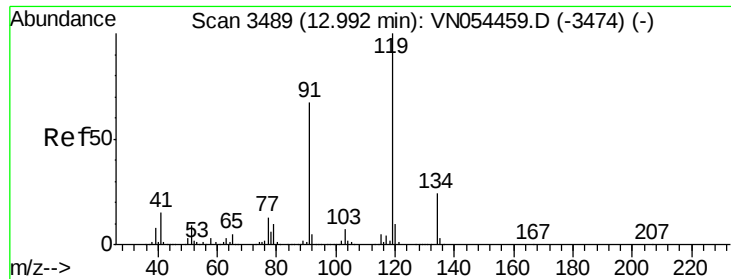
126 34.2 18.1 54.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

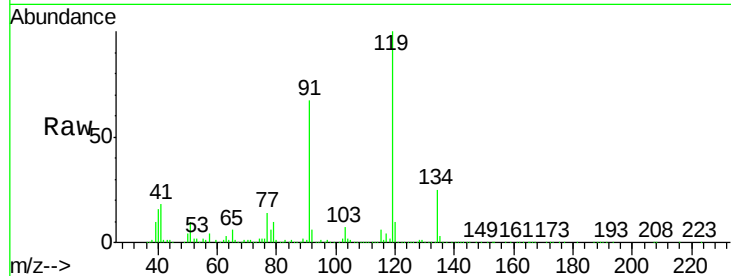




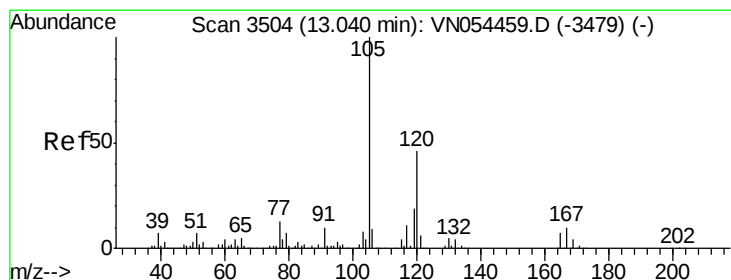
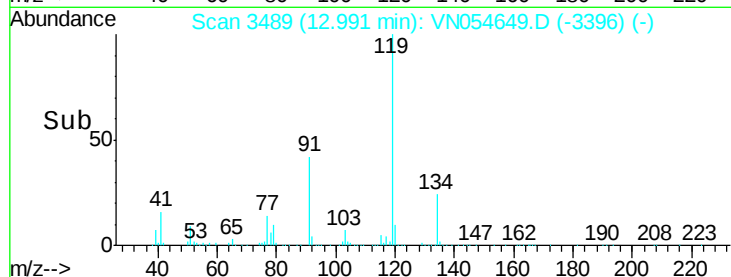
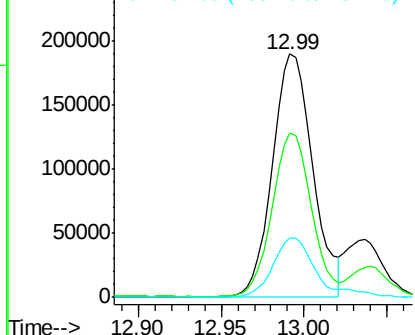
#83
tert-Butylbenzene
Concen: 20.724 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN054649.D
Acq: 24 Mar 2019 15:41

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:119 Resp: 321492
Ion Ratio Lower Upper
119 100
91 65.1 30.9 92.8
134 26.5 13.2 39.6

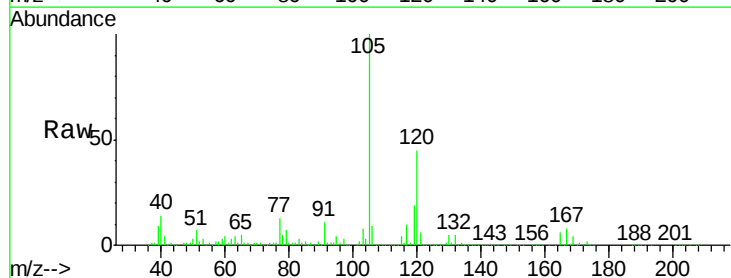


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

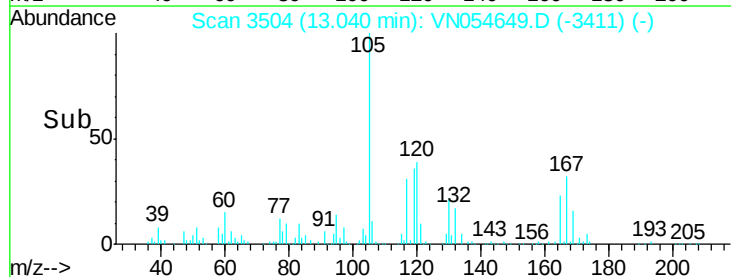
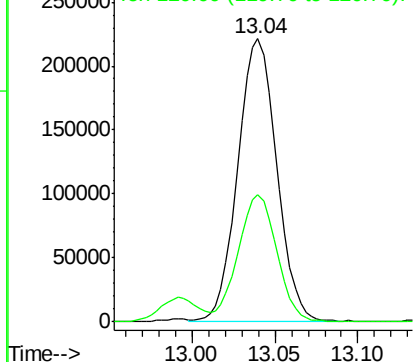


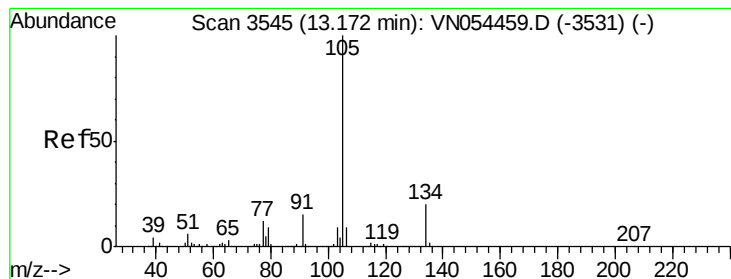
#84
1,2,4-Trimethylbenzene
Concen: 20.483 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN054649.D
Acq: 24 Mar 2019 15:41

Tgt Ion:105 Resp: 358184
Ion Ratio Lower Upper
105 100
120 45.0 23.4 70.3



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





#85

sec-Butylbenzene

Concen: 20.543 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN054649.D

Acq: 24 Mar 2019 15:41

Instrument :

MSVOA_N

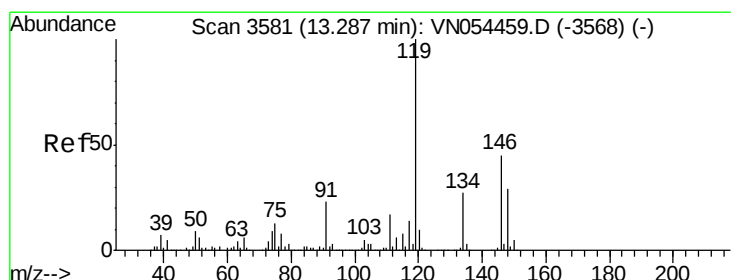
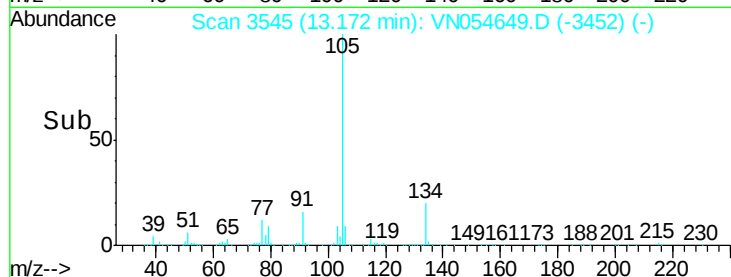
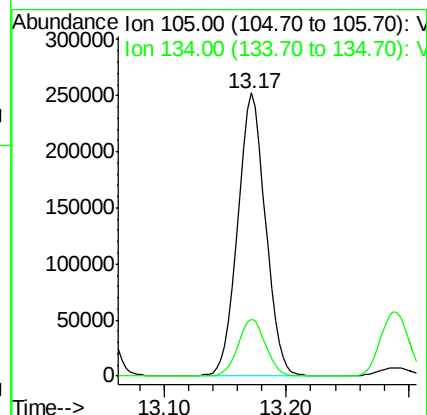
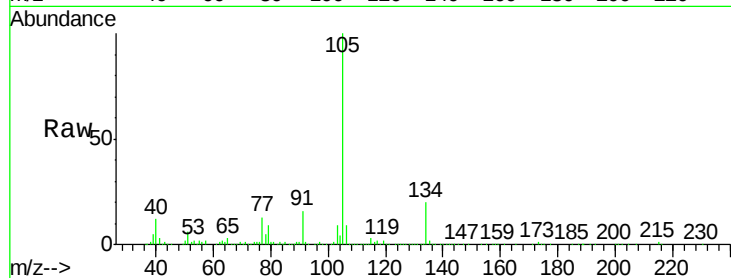
ClientSampled :

Tot Ion:105 Resp: 397275

Ion Ratio Lower Upper

105 100

134 20.0 10.7 32.1



#86

p-Isopropyltoluene

Concen: 20.272 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN054649.D

Acq: 24 Mar 2019 15:41

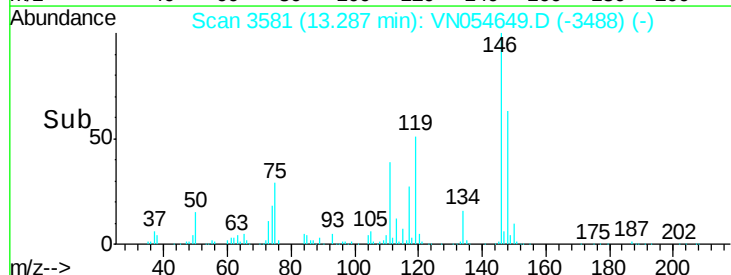
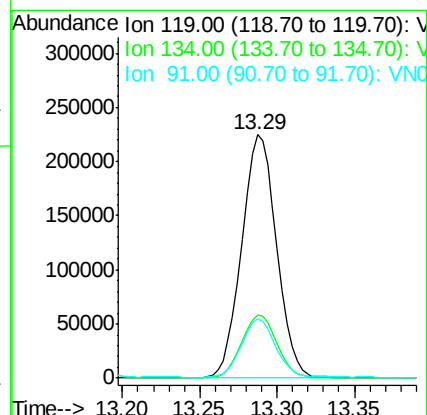
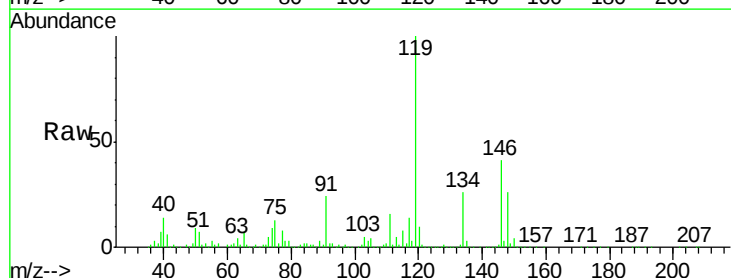
Tgt Ion:119 Resp: 350734

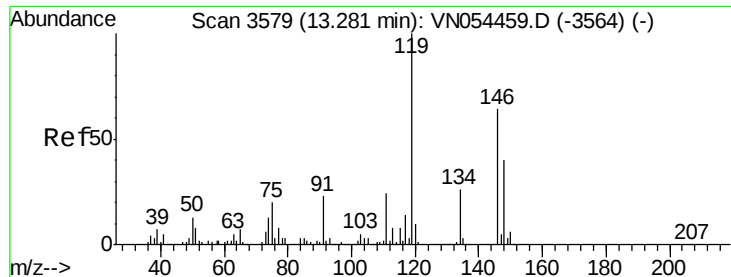
Ion Ratio Lower Upper

119 100

134 26.5 13.6 40.8

91 23.7 11.1 33.3





#87

1,3-Dichlorobenzene

Concen: 19.725 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN054649.D

Acq: 24 Mar 2019 15:41

Instrument :

MSVOA_N

ClientSampleId :

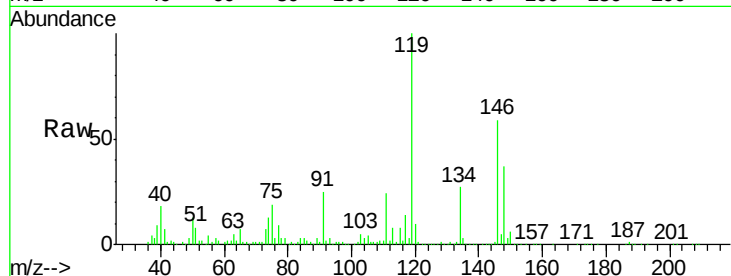
Tot Ion:146 Resp: 176287

Ion Ratio Lower Upper

146 100

111 39.7 18.8 56.3

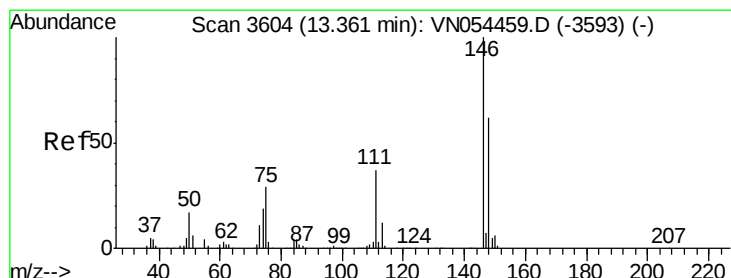
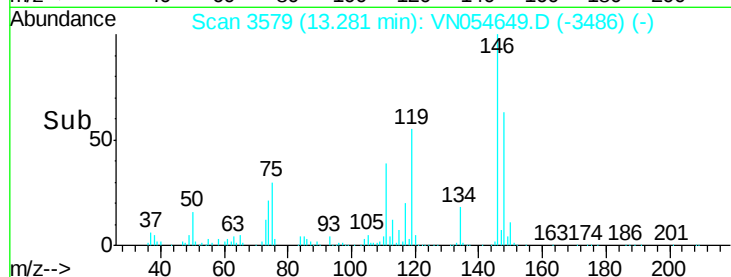
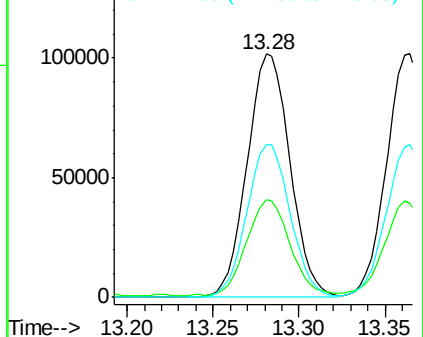
148 63.5 32.2 96.6



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 19.633 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN054649.D

Acq: 24 Mar 2019 15:41

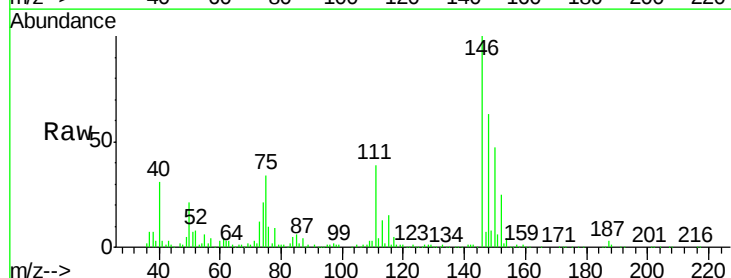
Tgt Ion:146 Resp: 170719

Ion Ratio Lower Upper

146 100

111 39.2 18.1 54.1

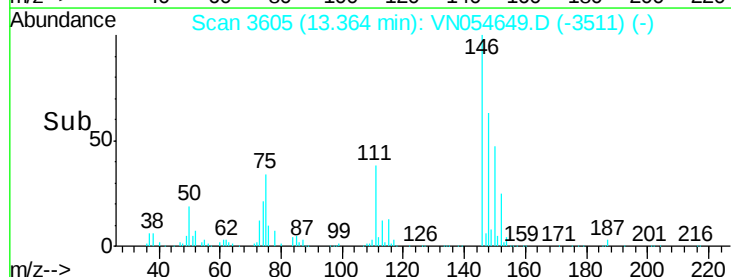
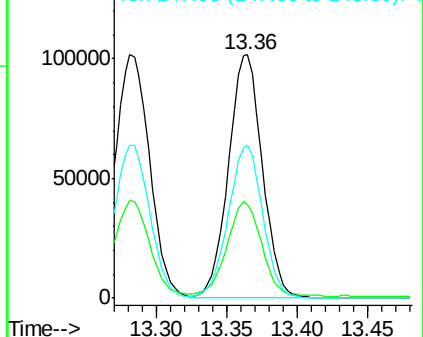
148 63.9 32.0 96.0

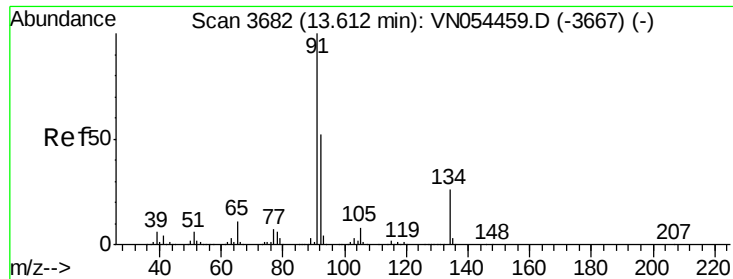


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

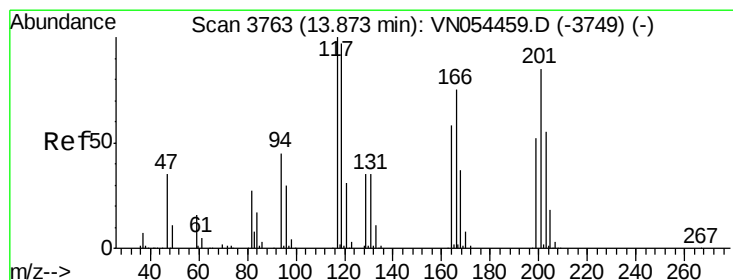
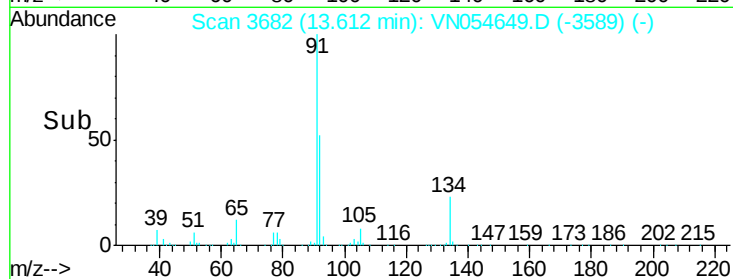
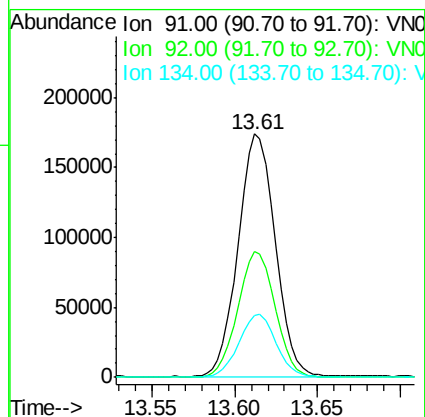
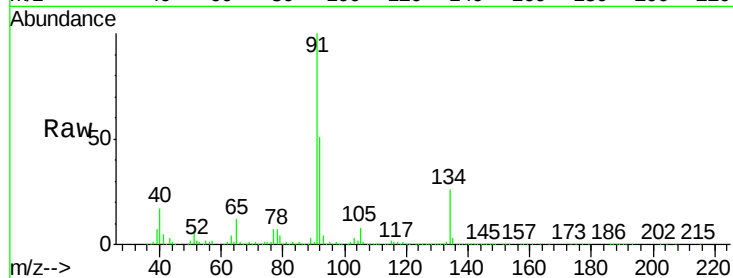




#89
n-Butylbenzene
Concen: 20.014 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN054649.D
Acq: 24 Mar 2019 15:41

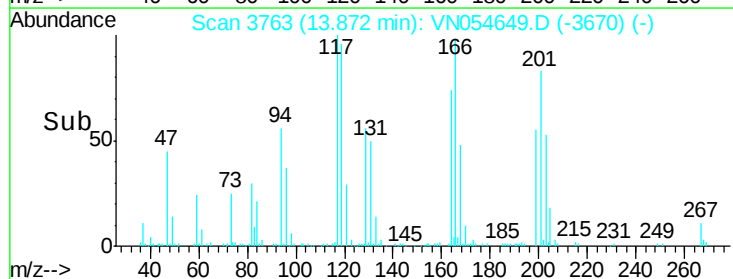
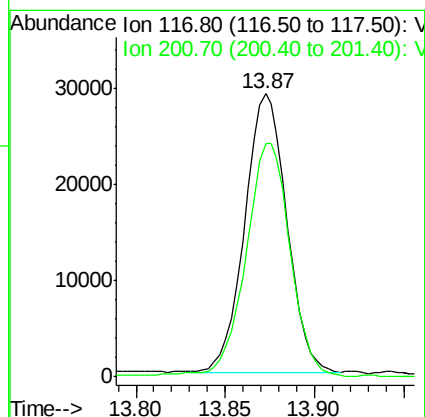
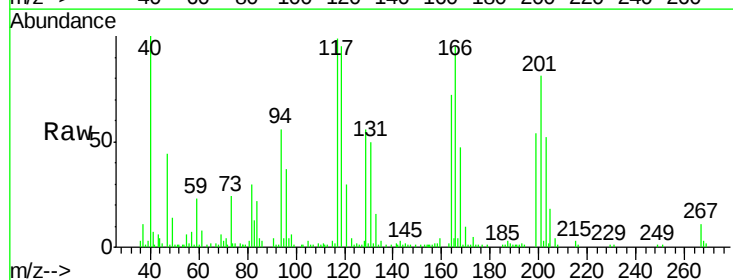
Instrument :
MSVOA_N
ClientSampled :

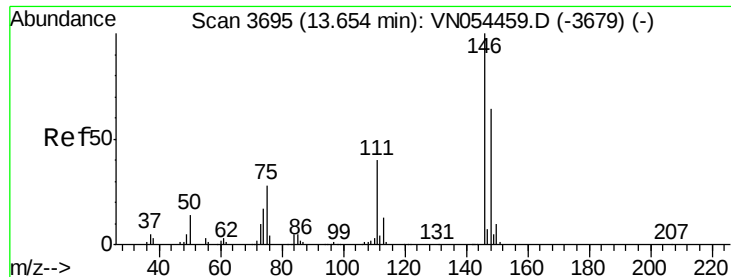
Tot Ion: 91 Resp: 270754
Ion Ratio Lower Upper
91 100
92 52.2 26.2 78.6
134 26.7 14.3 42.9



#90
Hexachloroethane
Concen: 17.804 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN054649.D
Acq: 24 Mar 2019 15:41

Tgt Ion: 117 Resp: 47815
Ion Ratio Lower Upper
117 100
201 89.0 48.1 144.4





#91

1,2-Dichlorobenzene

Concen: 20.919 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN054649.D

Acq: 24 Mar 2019 15:41

Instrument :

MSVOA_N

ClientSampled :

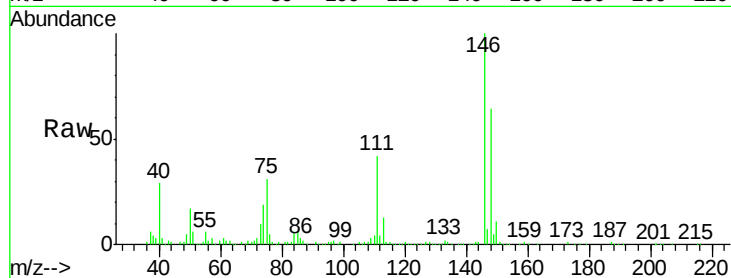
Tot Ion:146 Resp: 181088

Ion Ratio Lower Upper

146 100

111 40.4 19.1 57.3

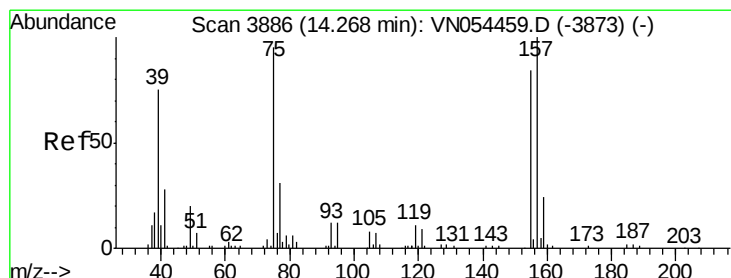
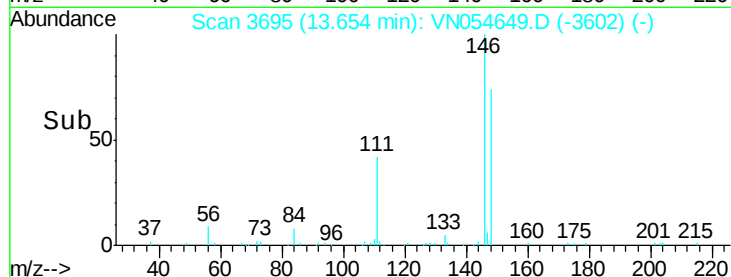
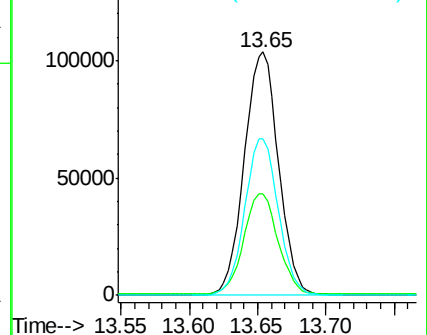
148 63.1 32.4 97.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.121 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN054649.D

Acq: 24 Mar 2019 15:41

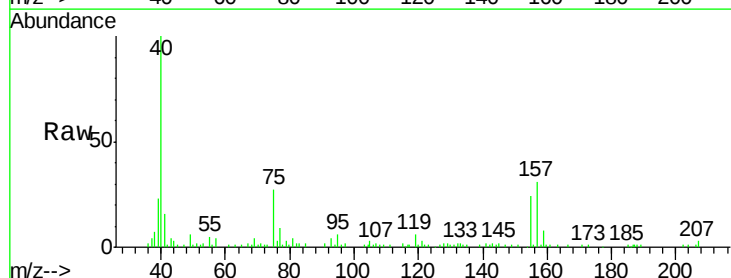
Tgt Ion: 75 Resp: 13922

Ion Ratio Lower Upper

75 100

155 89.6 50.1 150.3

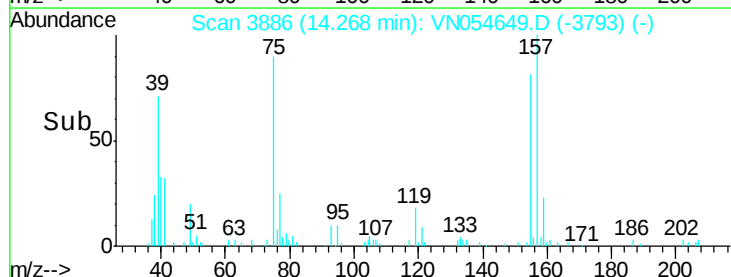
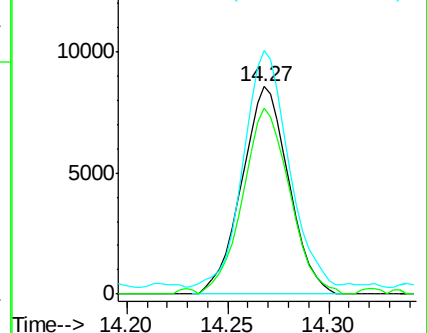
157 109.6 63.1 189.3

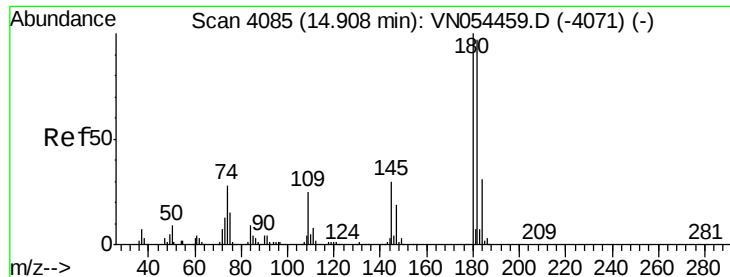


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

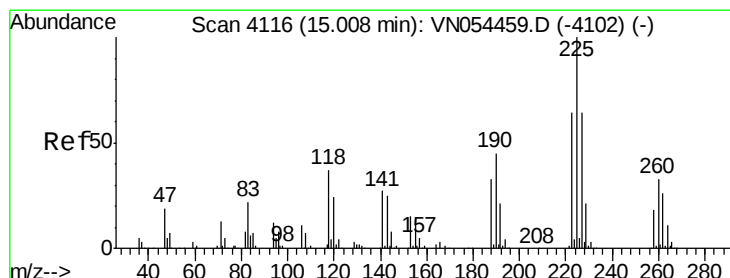
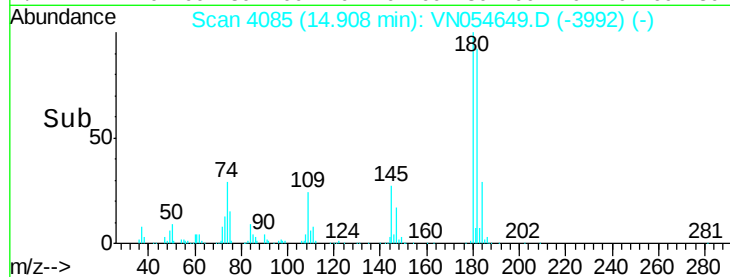
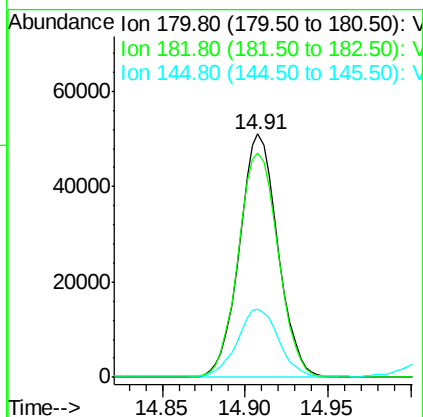
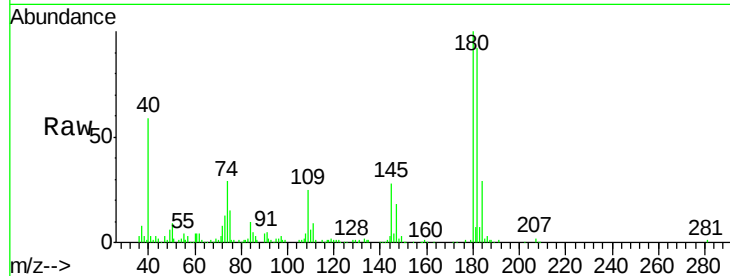




#93
 1,2,4-Trichlorobenzene
 Concen: 19.002 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN054649.D
 Acq: 24 Mar 2019 15:41

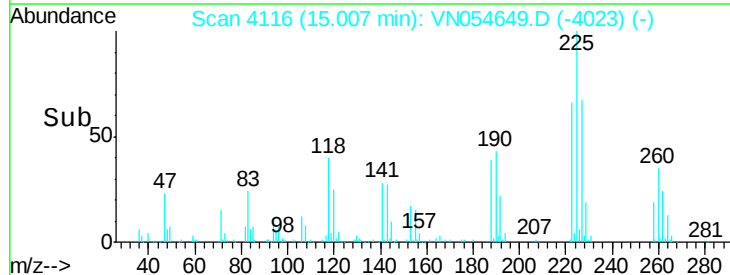
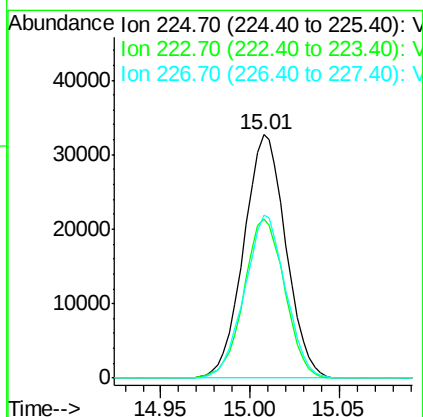
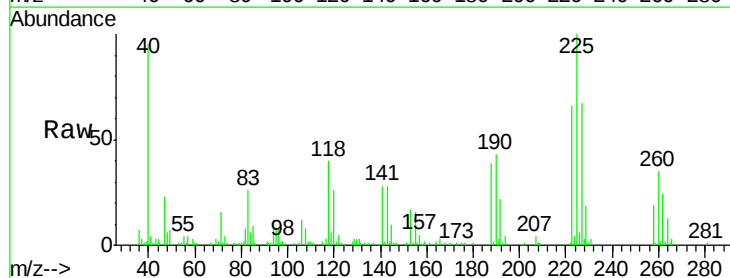
Instrument :
 MSVOA_N
 ClientSampleId :

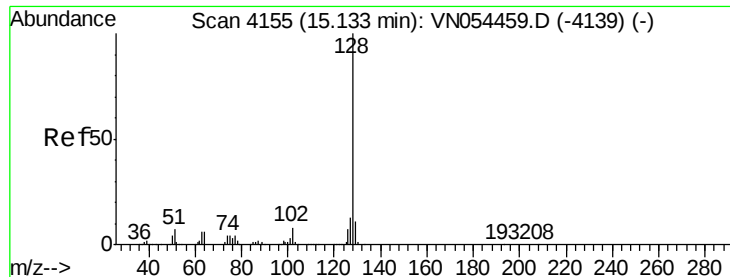
Tot Ion:180 Resp: 82001
 Ion Ratio Lower Upper
 180 100
 182 96.4 48.0 144.2
 145 29.6 14.2 42.8



#94
 Hexachlorobutadiene
 Concen: 20.818 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN054649.D
 Acq: 24 Mar 2019 15:41

Tgt Ion:225 Resp: 53982
 Ion Ratio Lower Upper
 225 100
 223 63.5 31.1 93.5
 227 65.1 31.9 95.9





#95

Naphthalene

Concen: 19.267 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN054649.D

Acq: 24 Mar 2019 15:41

Instrument :

MSVOA_N

ClientSampled :

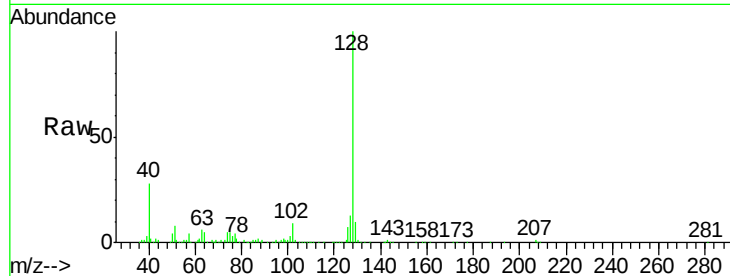
Tot Ion:128 Resp: 185450

Ion Ratio Lower Upper

128 100

127 13.5 10.1 15.1

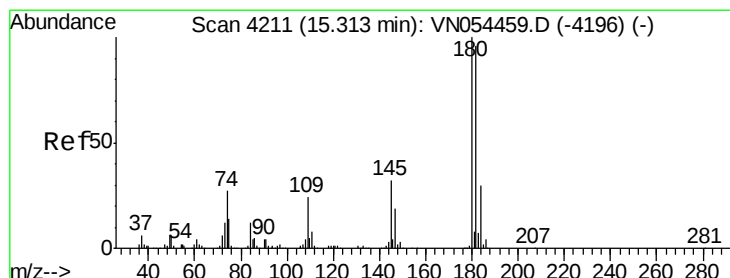
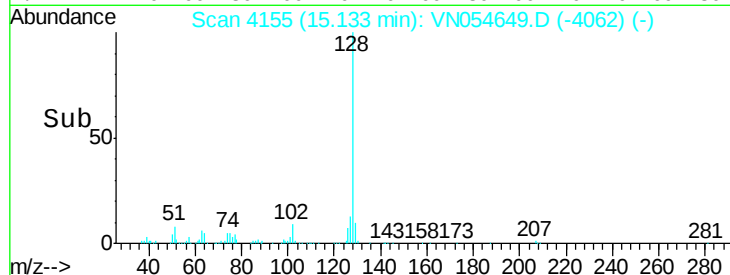
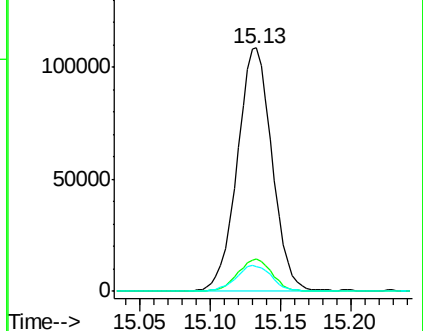
129 10.5 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 19.981 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN054649.D

Acq: 24 Mar 2019 15:41

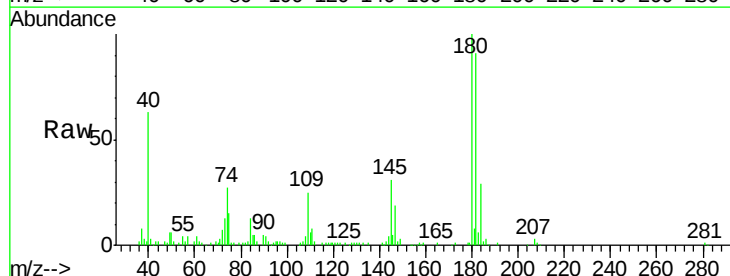
Tgt Ion:180 Resp: 85819

Ion Ratio Lower Upper

180 100

182 92.1 47.5 142.6

145 30.0 14.8 44.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

