

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012119\
 Data File : VN053498.D
 Acq On : 21 Jan 2019 11:25
 Operator : JC/SP
 Sample : VN0121MBS01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 6 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0121MBS01

Quant Time: Jan 22 04:03:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011519W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 03:10:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	733165	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1089200	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	989368	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	492563	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	367220	50.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.36%	
35) Dibromofluoromethane	7.59	113	336851	54.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.38%	
50) Toluene-d8	10.09	98	1345467	51.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.36%	
62) 4-Bromofluorobenzene	12.40	95	463907	50.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.64%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	117206	19.883	ug/l 98
3) Chloromethane	2.06	50	159146	18.883	ug/l 100
4) Vinyl Chloride	2.19	62	157734	19.416	ug/l 99
5) Bromomethane	2.56	94	109324	19.612	ug/l 100
6) Chloroethane	2.71	64	98207	19.994	ug/l 99
7) Trichlorofluoromethane	3.02	101	217144	20.434	ug/l 98
8) Diethyl Ether	3.41	74	80018	20.049	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	138608	20.596	ug/l 100
10) Methyl Iodide	3.96	142	199312	19.380	ug/l 99
11) Tert butyl alcohol	4.77	59	32157	90.687	ug/l 98
12) 1,1-Dichloroethene	3.74	96	130842	20.045	ug/l 98
13) Acrolein	3.60	56	51926	90.958	ug/l 100
14) Allyl chloride	4.33	41	214386	20.220	ug/l 99
15) Acrylonitrile	4.99	53	229014	98.137	ug/l 99
16) Acetone	3.81	43	168572	99.149	ug/l 99
17) Carbon Disulfide	4.06	76	367981	18.642	ug/l 100
18) Methyl Acetate	4.32	43	113849	19.875	ug/l 100
19) Methyl tert-butyl Ether	5.04	73	348316	20.083	ug/l 100
20) Methylene Chloride	4.55	84	153988	19.838	ug/l 98
21) trans-1,2-Dichloroethene	5.04	96	141952	20.341	ug/l 98
22) Diisopropyl ether	5.95	45	457098	20.651	ug/l 97
23) Vinyl Acetate	5.89	43	1352269	99.386	ug/l 99
24) 1,1-Dichloroethane	5.85	63	268512	20.521	ug/l 99
25) 2-Butanone	6.83	43	250854	95.745	ug/l 99
26) 2,2-Dichloropropane	6.82	77	201404	20.386	ug/l 99
27) cis-1,2-Dichloroethene	6.82	96	163514	20.490	ug/l 99
28) Bromochloromethane	7.19	49	120786	20.954	ug/l 98
29) Tetrahydrofuran	7.21	42	164709	96.568	ug/l 99
30) Chloroform	7.37	83	268157	21.034	ug/l 98
31) Cyclohexane	7.65	56	250510	19.536	ug/l 93
32) 1,1,1-Trichloroethane	7.57	97	224596	20.768	ug/l 99
36) 1,1-Dichloropropene	7.79	75	204233	20.589	ug/l 99
37) Ethyl Acetate	6.92	43	108448	19.003	ug/l 99
38) Carbon Tetrachloride	7.77	117	194038	20.662	ug/l 100

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

39) Methylcyclohexane	9.08	83	244406	19.935	ug/l	100
40) Benzene	8.04	78	624554	20.719	ug/l	100
41) Methacrylonitrile	7.17	41	58527	17.696	ug/l #	91
42) 1,2-Dichloroethane	8.12	62	183147	20.856	ug/l	99
43) Isopropyl Acetate	8.16	43	206084	20.083	ug/l	99
44) Trichloroethene	8.83	130	175446	20.988	ug/l	100
45) 1,2-Dichloropropane	9.12	63	166243	20.822	ug/l	99
46) Dibromomethane	9.21	93	91324	19.909	ug/l	97
47) Bromodichloromethane	9.40	83	199836	20.715	ug/l	99
48) Methyl methacrylate	9.19	41	101181	19.096	ug/l	98
49) 1,4-Dioxane	9.20	88	19540	377.617	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	546745	97.601	ug/l	100
52) Toluene	10.15	92	385534	20.602	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	198164	20.266	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	236891	20.667	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	134207	20.801	ug/l	99
56) Ethyl methacrylate	10.43	69	159629	18.774	ug/l	99
57) 1,3-Dichloropropane	10.71	76	231048	20.702	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	434886	96.350	ug/l	99
59) 2-Hexanone	10.75	43	376417	95.721	ug/l	99
60) Dibromochloromethane	10.90	129	148865	20.343	ug/l	98
61) 1,2-Dibromoethane	11.00	107	130128	19.943	ug/l	99
64) Tetrachloroethene	10.63	164	201560	21.618	ug/l	99
65) Chlorobenzene	11.43	112	434983	20.771	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	150787	20.697	ug/l	100
67) Ethyl Benzene	11.51	91	727409	20.382	ug/l	99
68) m/p-Xylenes	11.62	106	567806	42.138	ug/l	98
69) o-Xylene	11.95	106	271638	20.746	ug/l	98
70) Styrene	11.96	104	445420	20.961	ug/l	99
71) Bromoform	12.12	173	101817	20.300	ug/l #	99
73) Isopropylbenzene	12.25	105	721485	20.002	ug/l	99
74) N-amyl acetate	12.07	43	177703	18.481	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	137931	18.233	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	197433	30.416	ug/l #	100
77) Bromobenzene	12.52	156	188236	19.804	ug/l	99
78) n-propylbenzene	12.59	91	837613	20.230	ug/l	100
79) 2-Chlorotoluene	12.67	91	493689	20.116	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	601692	20.502	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	42536	18.277	ug/l	95
82) 4-Chlorotoluene	12.77	91	506860	20.252	ug/l	100
83) tert-Butylbenzene	12.99	119	529744	20.437	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	613955	20.747	ug/l	100
85) sec-Butylbenzene	13.17	105	727220	20.457	ug/l	99
86) p-Isopropyltoluene	13.29	119	639555	20.720	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	342228	20.469	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	337629	20.132	ug/l	99
89) n-Butylbenzene	13.61	91	525378	19.968	ug/l	99
90) Hexachloroethane	13.87	117	95203	19.666	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	324594	21.103	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	19762	20.602	ug/l	97

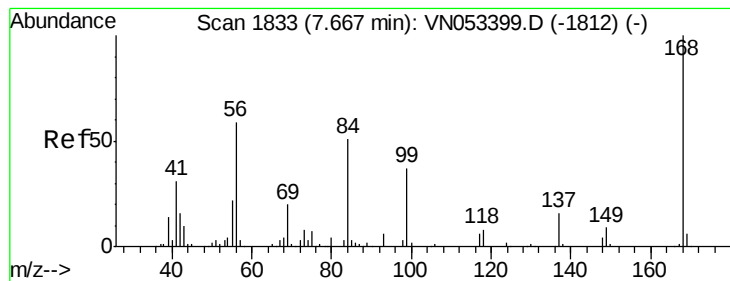
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	132563	21.218	ug/l	98
94) Hexachlorobutadiene	15.01	225	110507	23.031	ug/l	99
95) Naphthalene	15.13	128	197601	19.226	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	90350	20.677	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN053498.D

Acq: 21 Jan 2019 11:25

Instrument :

MSVOA_N

ClientSampleId :

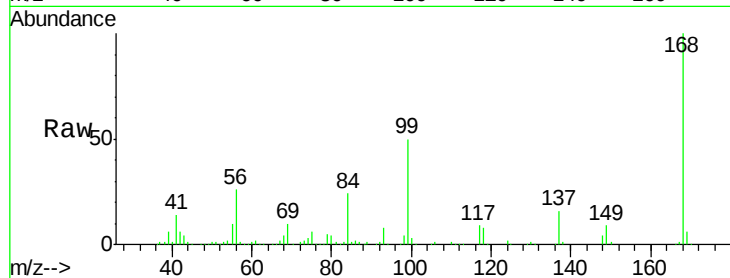
VN0121MBS01

Tot Ion:168 Resp: 733165

Ion Ratio Lower Upper

168 100

99 49.4 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.66

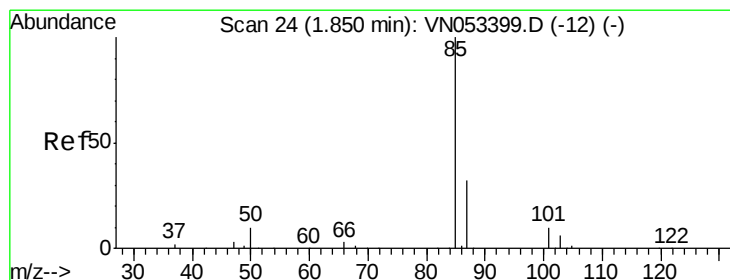
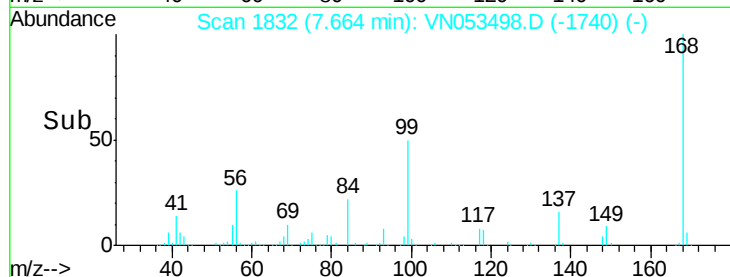
300000

200000

100000

0

Time--> 7.55 7.60 7.65 7.70 7.75



#2

Dichlorodifluoromethane

Concen: 19.883 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053498.D

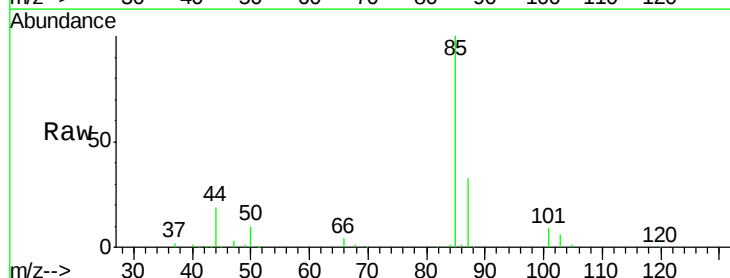
Acq: 21 Jan 2019 11:25

Tgt Ion: 85 Resp: 117206

Ion Ratio Lower Upper

85 100

87 33.3 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

1.85

100000

80000

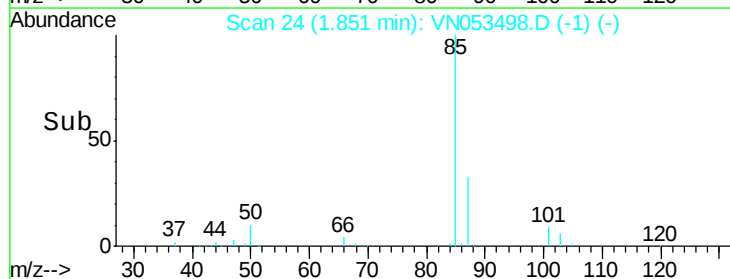
60000

40000

20000

0

Time--> 1.80 1.85 1.90 1.95





#3

Chloromethane

Concen: 18.883 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN053498.D

Acq: 21 Jan 2019 11:25

Instrument :

MSVOA_N

ClientSampleId :

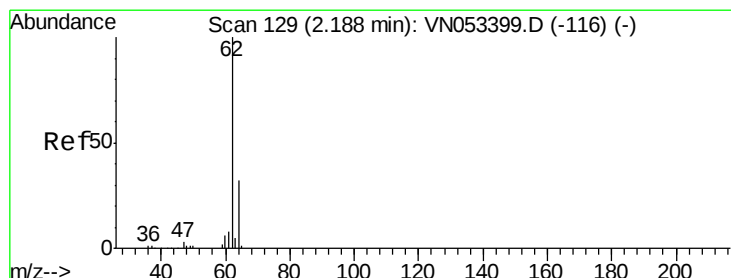
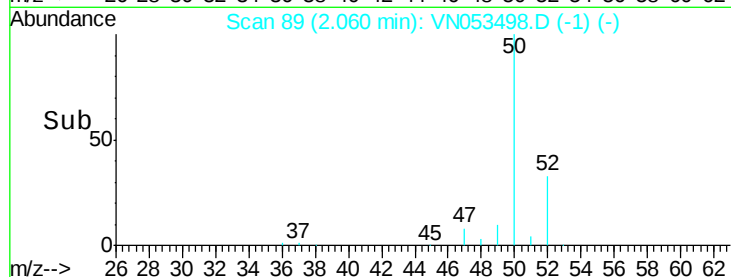
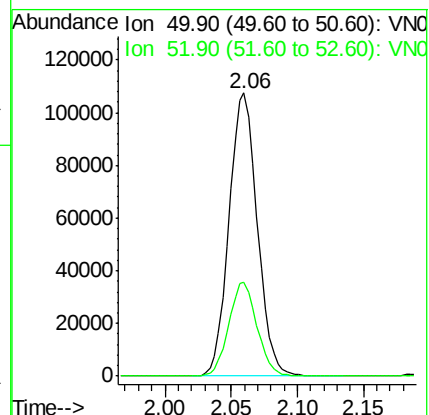
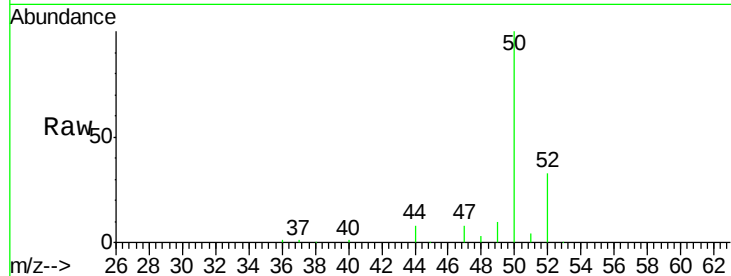
VN0121MBS01

Tot Ion: 50 Resp: 159146

Ion Ratio Lower Upper

50 100

52 33.2 26.6 40.0



#4

Vinyl Chloride

Concen: 19.416 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN053498.D

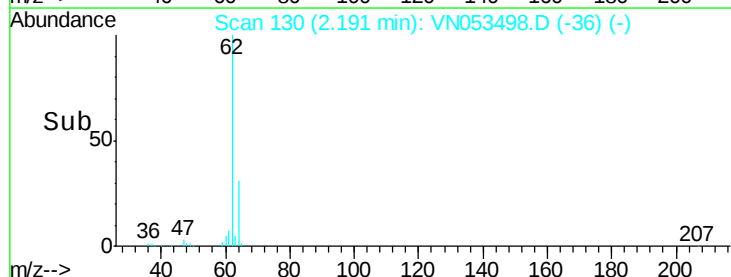
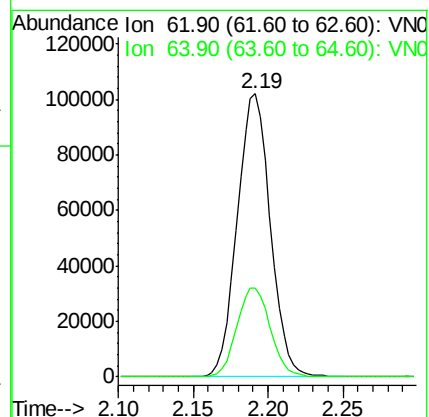
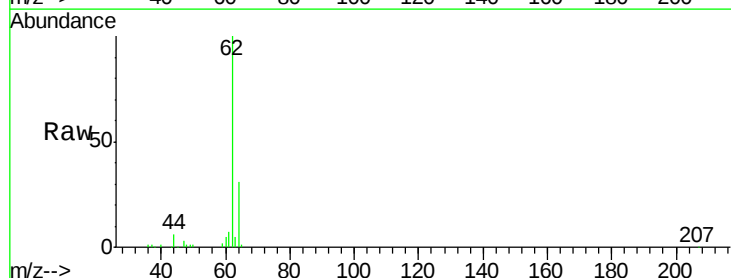
Acq: 21 Jan 2019 11:25

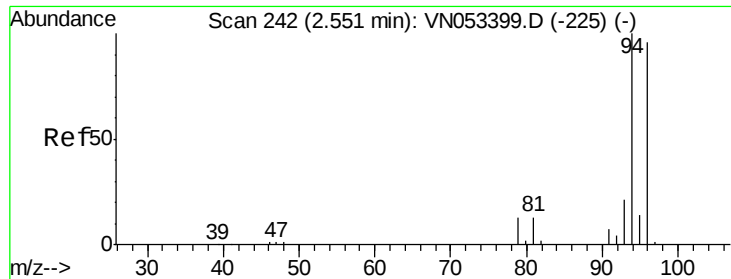
Tgt Ion: 62 Resp: 157734

Ion Ratio Lower Upper

62 100

64 31.4 25.4 38.2

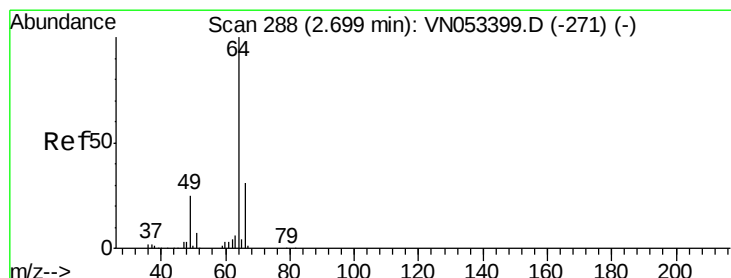
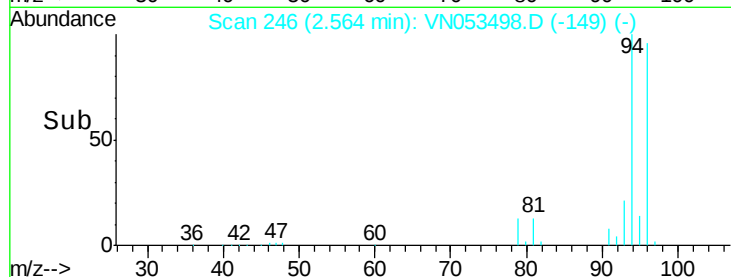
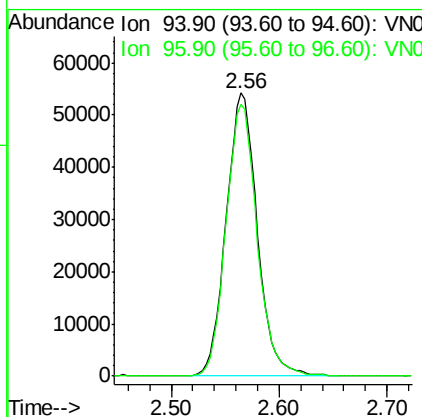
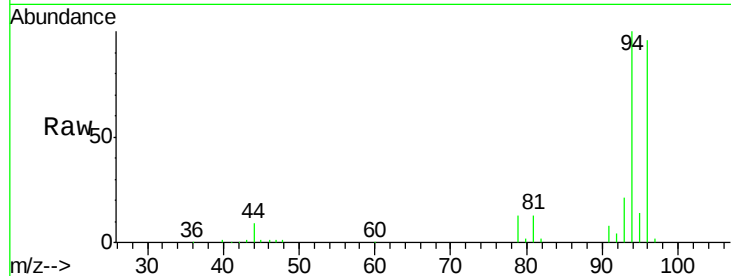




#5
Bromomethane
Concen: 19.612 ug/l
RT: 2.56 min Scan# 246
Delta R.T. 0.01 min
Lab File: VN053498.D
Acq: 21 Jan 2019 11:25

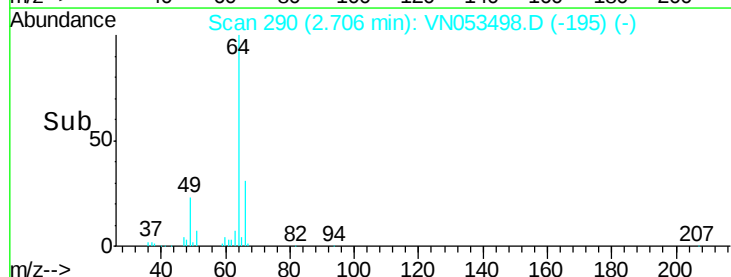
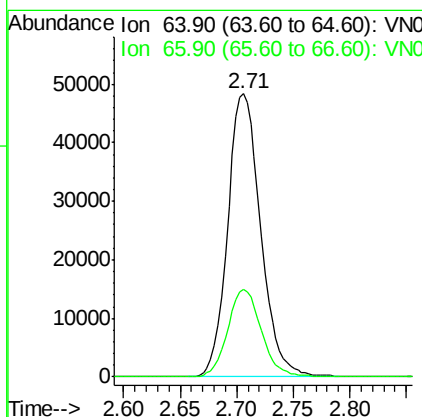
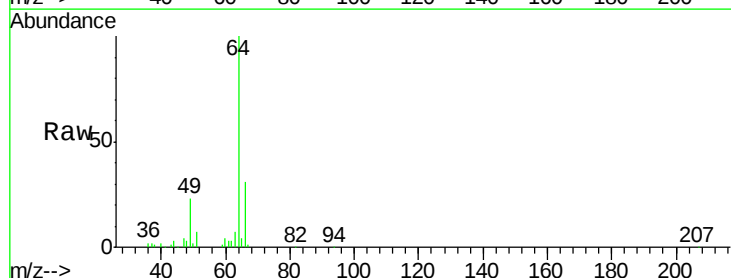
Instrument :
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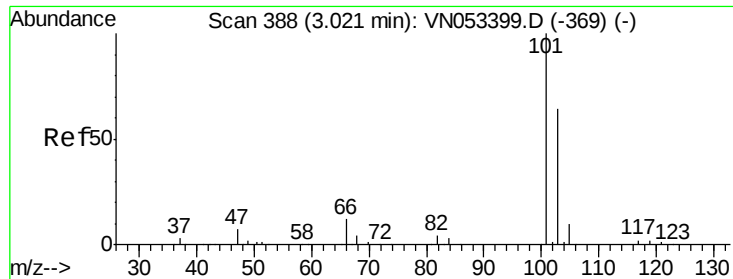
Tot Ion: 94 Resp: 109324
Ion Ratio Lower Upper
94 100
96 96.1 76.8 115.2



#6
Chloroethane
Concen: 19.994 ug/l
RT: 2.71 min Scan# 290
Delta R.T. 0.01 min
Lab File: VN053498.D
Acq: 21 Jan 2019 11:25

Tgt Ion: 64 Resp: 98207
Ion Ratio Lower Upper
64 100
66 30.8 25.1 37.7



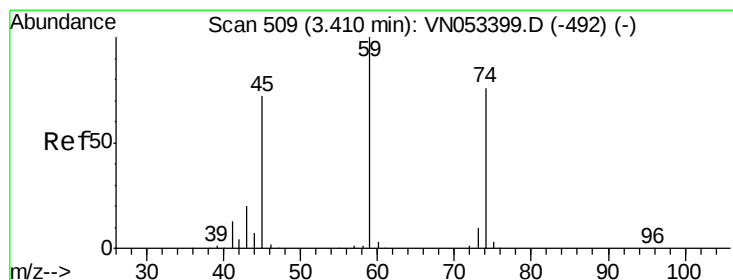
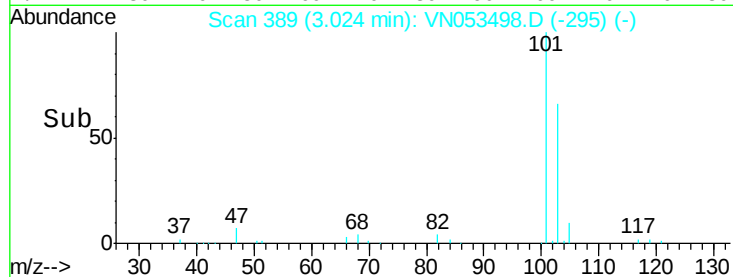
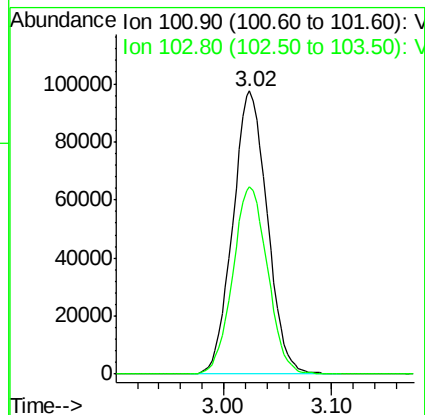
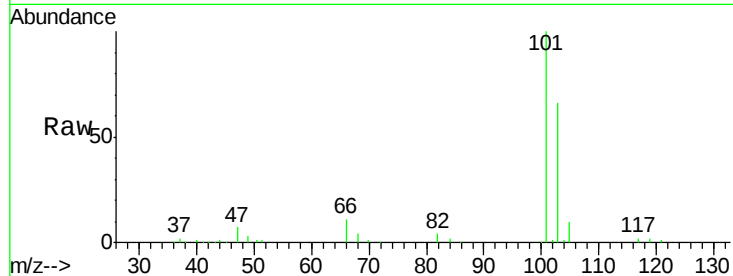


#7

Trichlorofluoromethane
Concen: 20.434 ug/l
RT: 3.02 min Scan# 389
Delta R.T. 0.00 min
Lab File: VN053498.D
Acq: 21 Jan 2019 11:25

Instrument :
MSVOA_N
ClientSampled :
VN0121MBS01

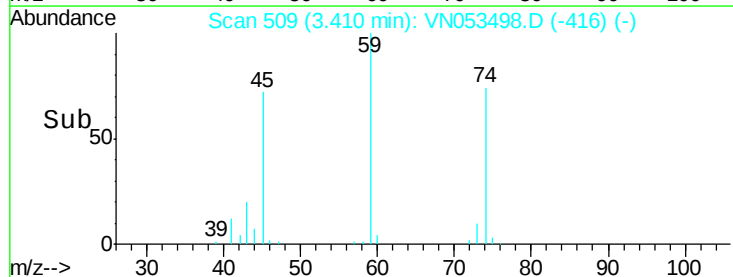
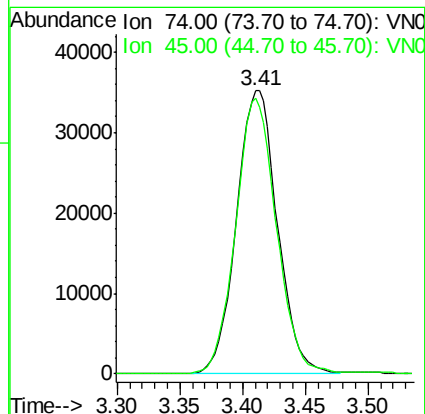
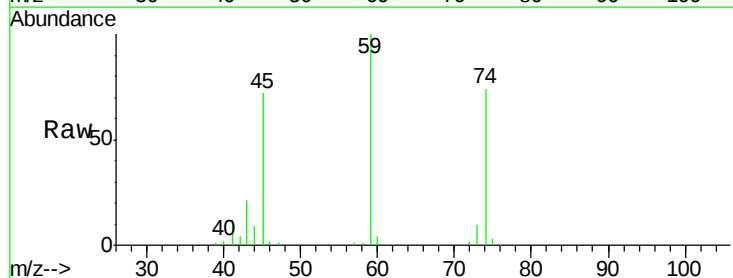
Tot Ion:101 Resp: 217144
Ion Ratio Lower Upper
101 100
103 66.1 51.6 77.4

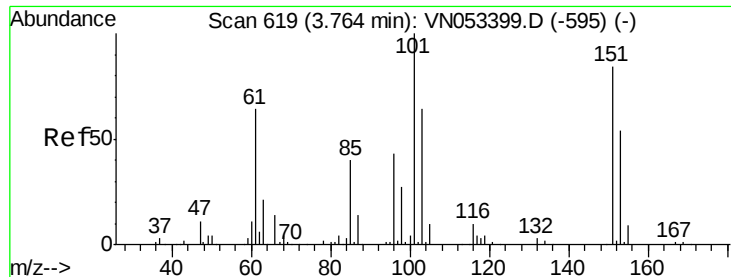


#8

Diethyl Ether
Concen: 20.049 ug/l
RT: 3.41 min Scan# 509
Delta R.T. 0.00 min
Lab File: VN053498.D
Acq: 21 Jan 2019 11:25

Tgt Ion: 74 Resp: 80018
Ion Ratio Lower Upper
74 100
45 97.0 47.9 143.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.596 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN053498.D

Acq: 21 Jan 2019 11:25

Instrument :

MSVOA_N

ClientSampleId :

VN0121MBS01

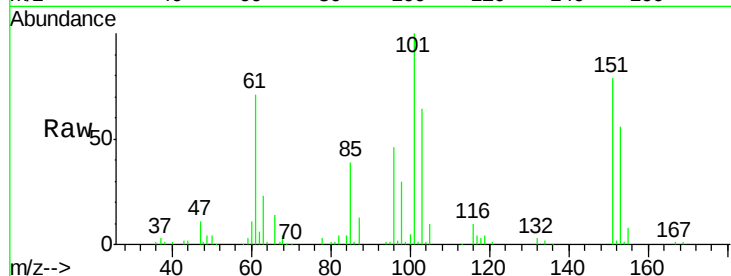
Tot Ion:101 Resp: 138608

Ion Ratio Lower Upper

101 100

85 40.9 32.8 49.2

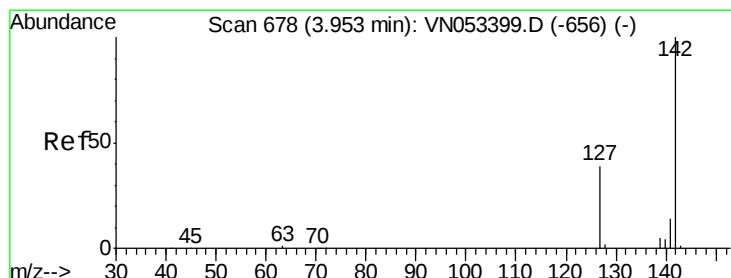
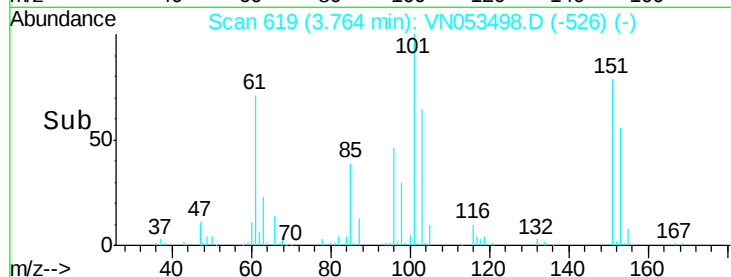
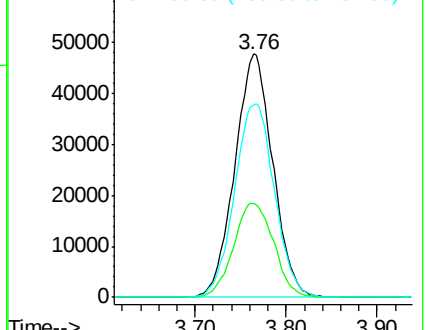
151 83.4 66.9 100.3



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: 19.380 ug/l

RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

Lab File: VN053498.D

Acq: 21 Jan 2019 11:25

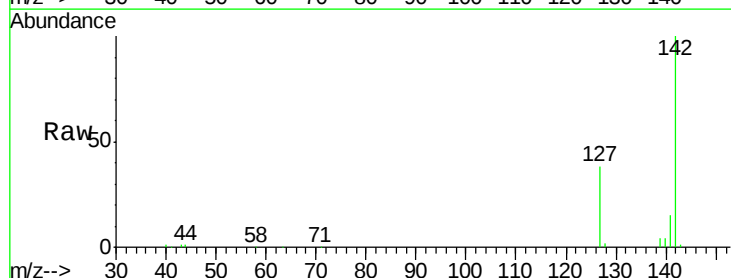
Tgt Ion:142 Resp: 199312

Ion Ratio Lower Upper

142 100

127 38.2 31.0 46.4

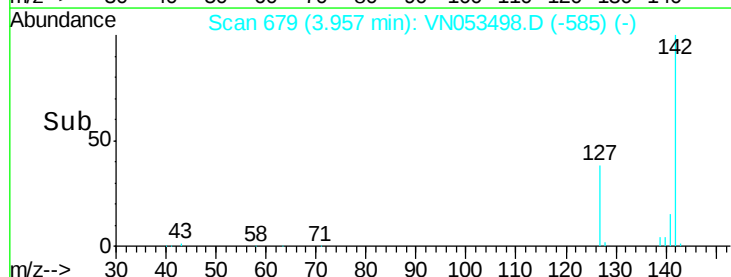
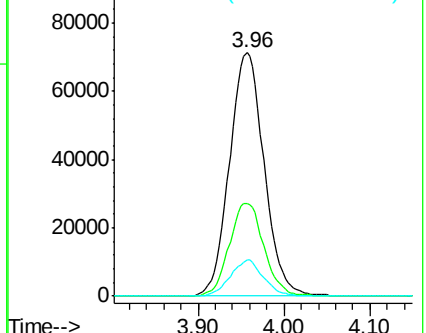
141 14.2 11.1 16.7

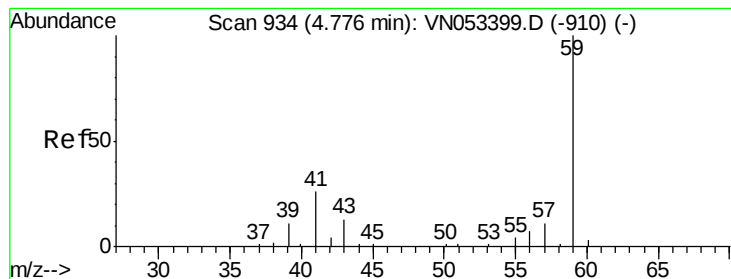


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



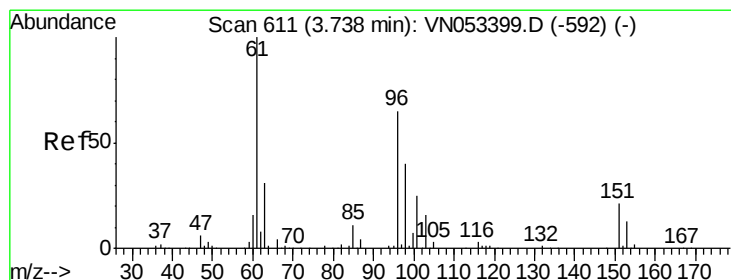
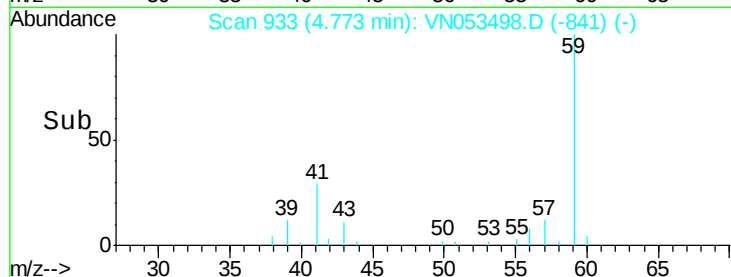
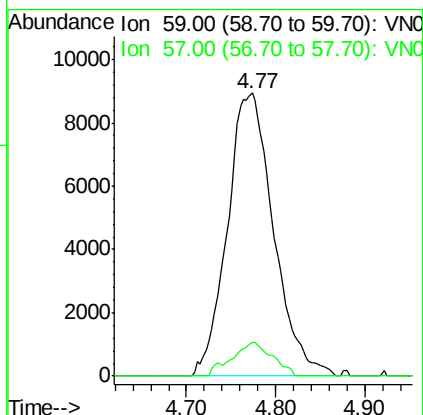
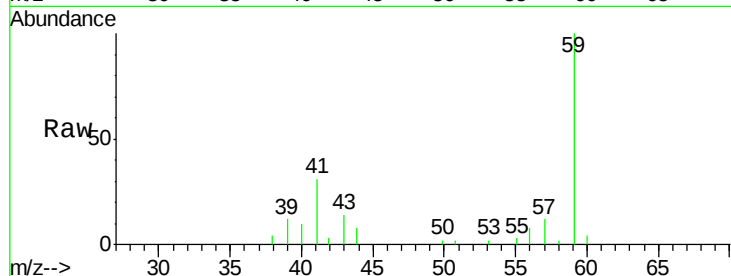


#11

Tert butyl alcohol
Concen: 90.687 ug/l
RT: 4.77 min Scan# 933
Delta R.T. -0.00 min
Lab File: VN053498.D
Acq: 21 Jan 2019 11:25

Instrument :
MSVOA_N
ClientSampleId :
VN0121MBS01

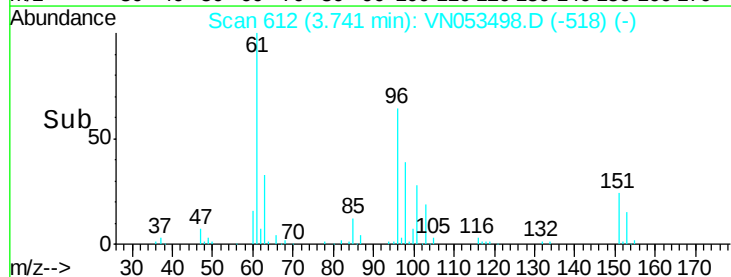
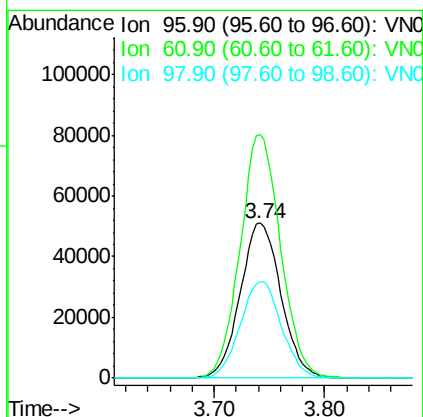
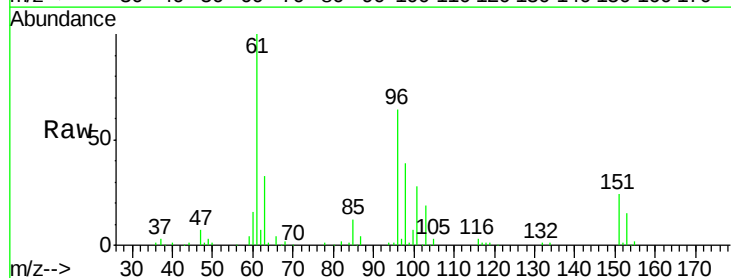
Tot Ion: 59 Resp: 32157
Ion Ratio Lower Upper
59 100
57 9.4 8.2 12.4

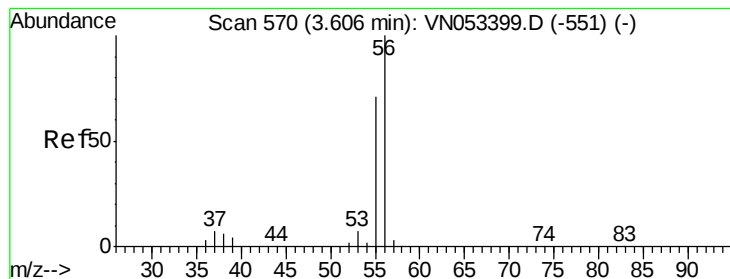


#12

1,1-Dichloroethene
Concen: 20.045 ug/l
RT: 3.74 min Scan# 612
Delta R.T. 0.00 min
Lab File: VN053498.D
Acq: 21 Jan 2019 11:25

Tgt Ion: 96 Resp: 130842
Ion Ratio Lower Upper
96 100
61 157.1 122.9 184.3
98 62.0 49.4 74.0





#13

Acrolein

Concen: 90.958 ug/l

RT: 3.60 min Scan# 569

Delta R.T. -0.00 min

Lab File: VN053498.D

Acq: 21 Jan 2019 11:25

Instrument :

MSVOA_N

ClientSampleId :

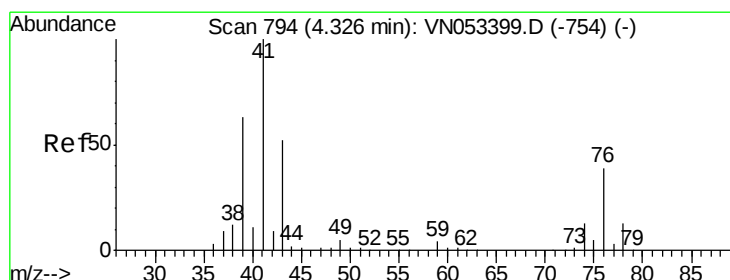
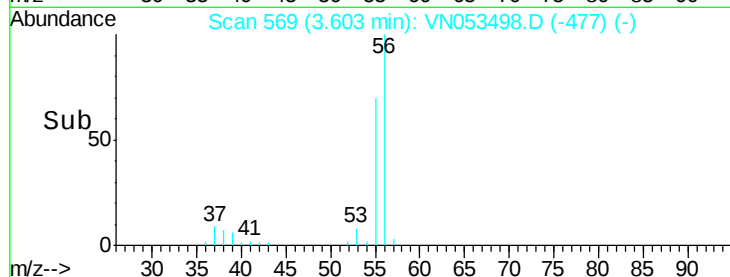
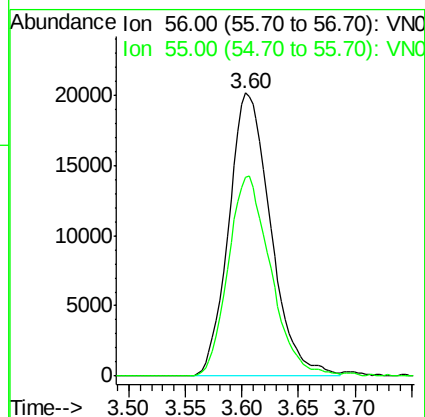
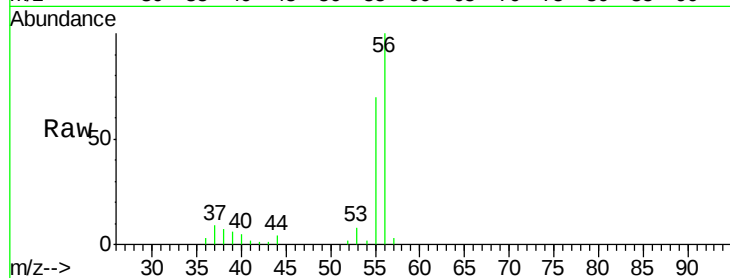
VN0121MBS01

Tot Ion: 56 Resp: 51926

Ion Ratio Lower Upper

56 100

55 71.5 57.4 86.0



#14

Allyl chloride

Concen: 20.220 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN053498.D

Acq: 21 Jan 2019 11:25

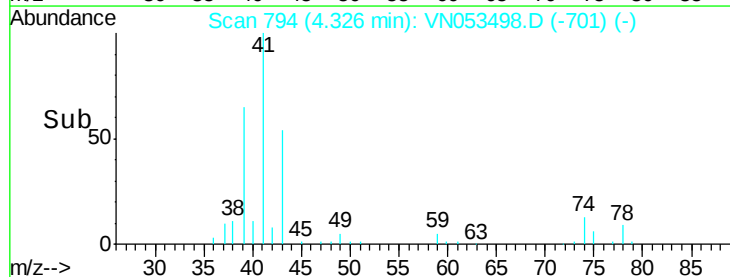
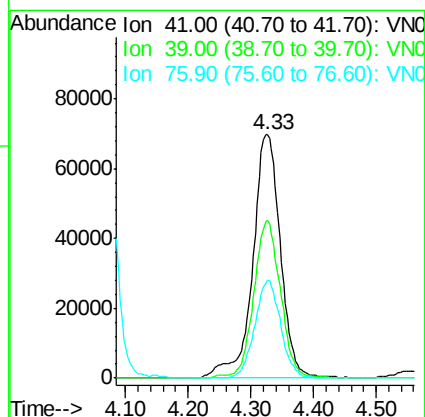
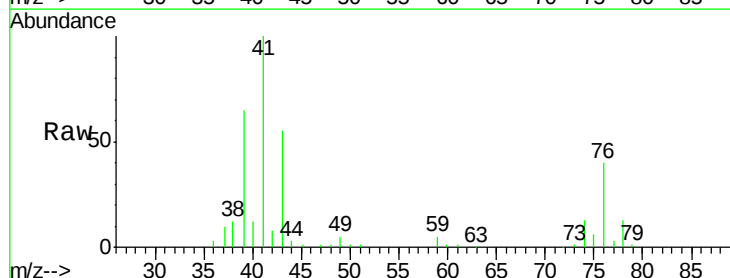
Tgt Ion: 41 Resp: 214386

Ion Ratio Lower Upper

41 100

39 59.9 48.9 73.3

76 37.4 29.4 44.2





#15

Acrylonitrile

Concen: 98.137 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN053498.D

Acq: 21 Jan 2019 11:25

Instrument :

MSVOA_N

ClientSampleId :

VN0121MBS01

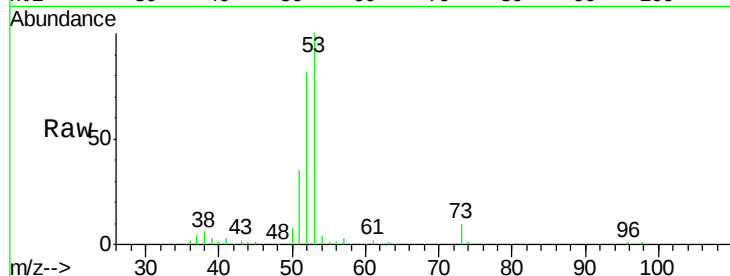
Tot Ion: 53 Resp: 229014

Ion Ratio Lower Upper

53 100

52 81.8 66.0 99.0

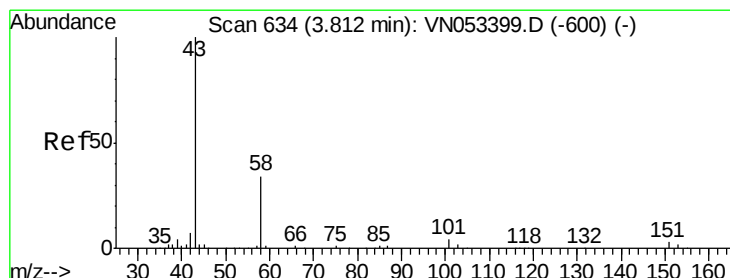
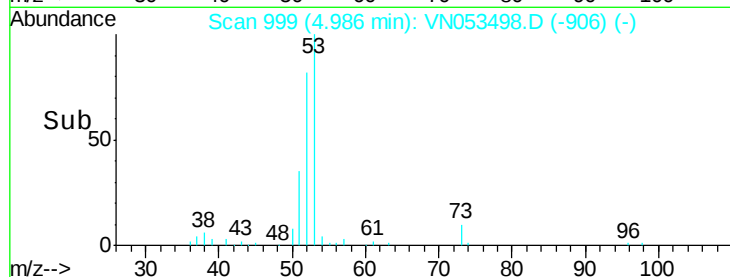
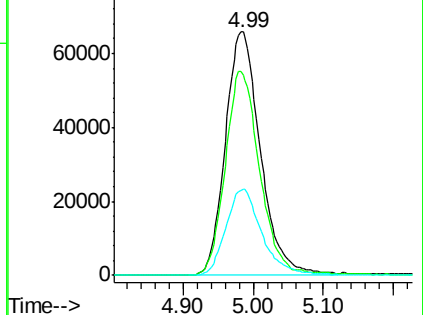
51 36.2 28.3 42.5



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 99.149 ug/l

RT: 3.81 min Scan# 634

Delta R.T. 0.00 min

Lab File: VN053498.D

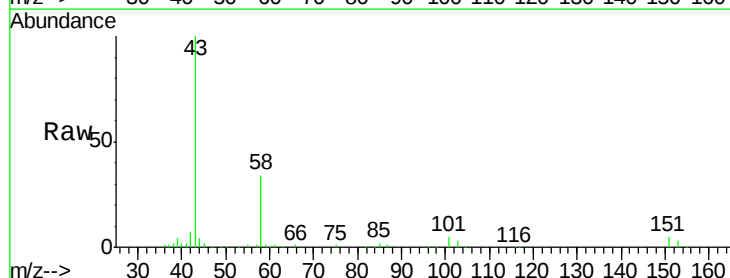
Acq: 21 Jan 2019 11:25

Tgt Ion: 43 Resp: 168572

Ion Ratio Lower Upper

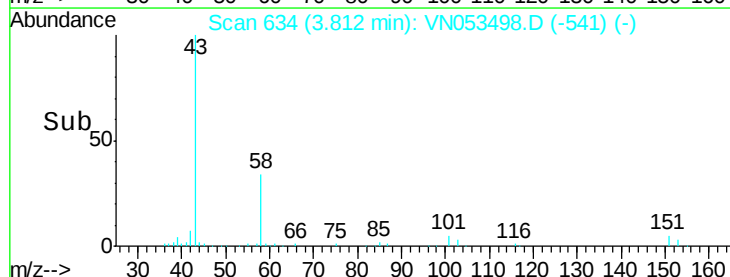
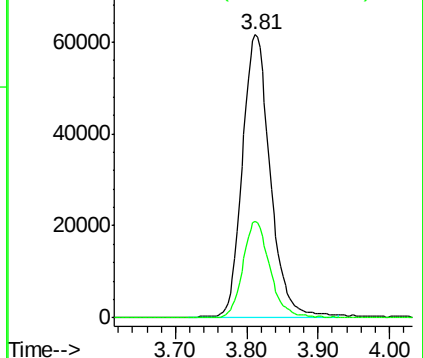
43 100

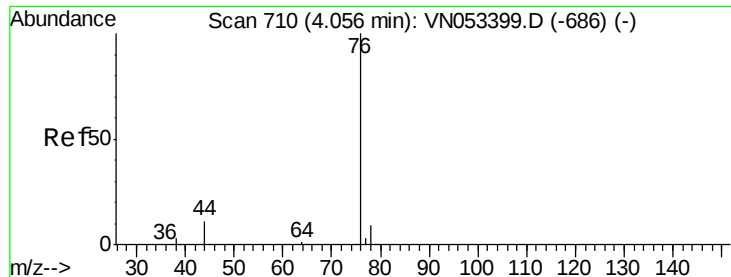
58 34.2 27.1 40.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

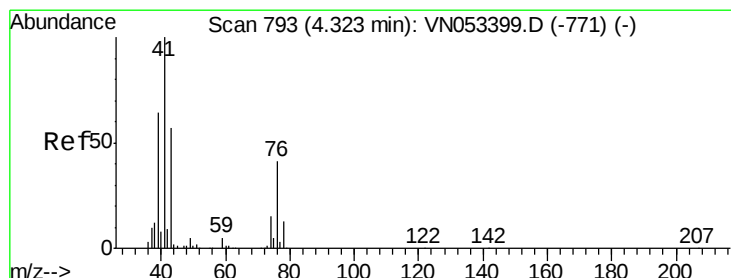
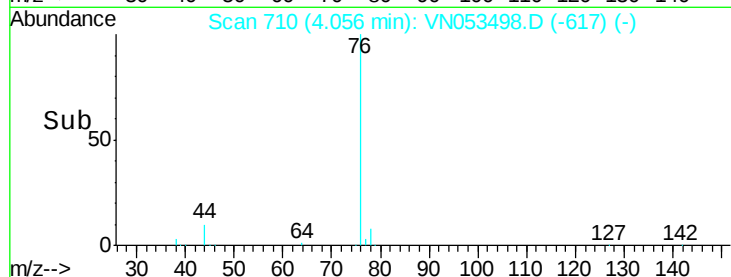
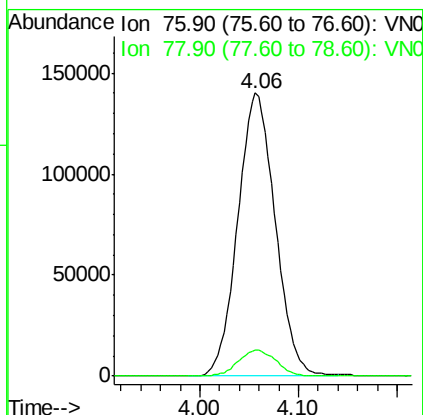
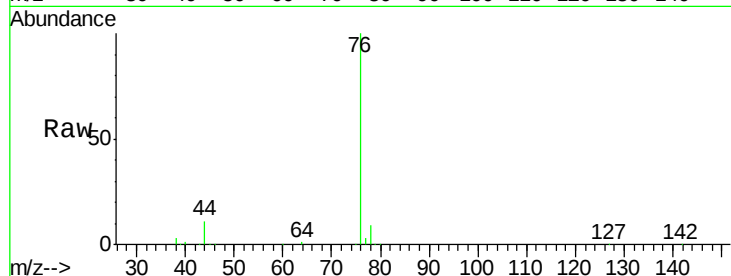




#17
Carbon Disulfide
Concen: 18.642 ug/l
RT: 4.06 min Scan# 710
Delta R.T. 0.00 min
Lab File: VN053498.D
Acq: 21 Jan 2019 11:25

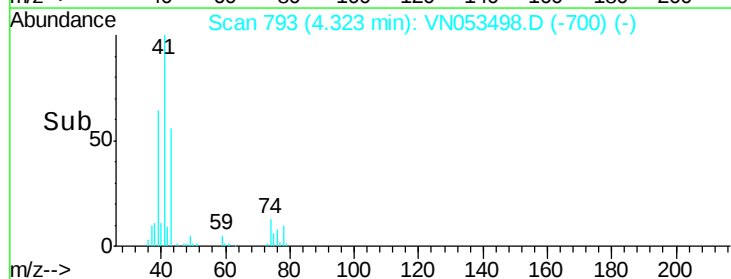
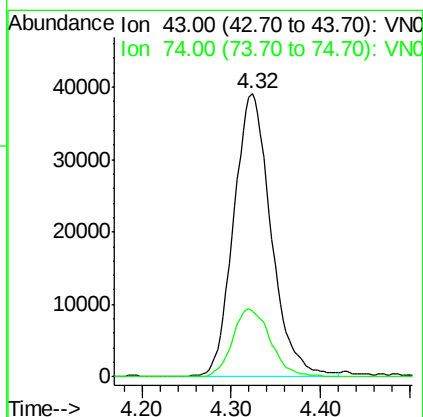
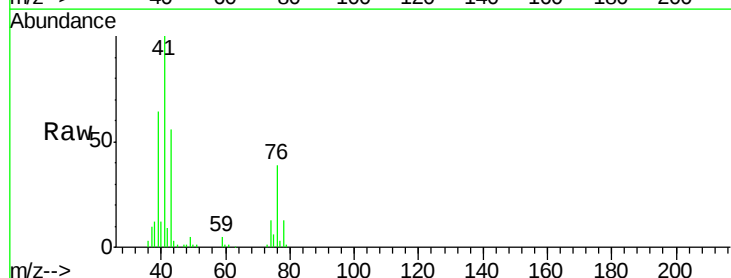
Instrument :
MSVOA_N
ClientSampleId :
VN0121MBS01

Tot Ion: 76 Resp: 367981
Ion Ratio Lower Upper
76 100
78 9.2 7.3 10.9



#18
Methyl Acetate
Concen: 19.875 ug/l
RT: 4.32 min Scan# 793
Delta R.T. 0.00 min
Lab File: VN053498.D
Acq: 21 Jan 2019 11:25

Tgt Ion: 43 Resp: 113849
Ion Ratio Lower Upper
43 100
74 24.3 19.4 29.2

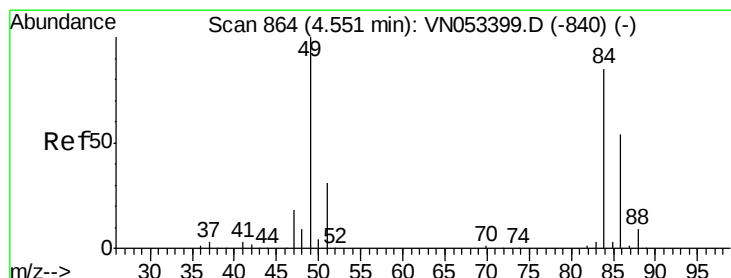
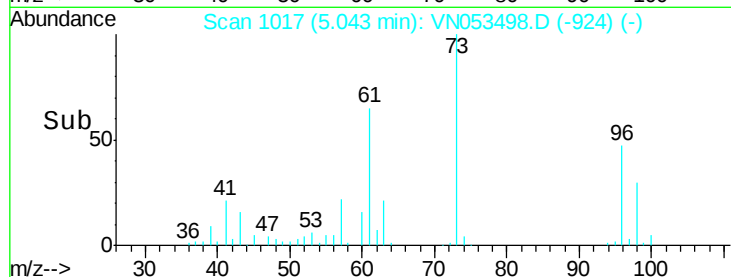
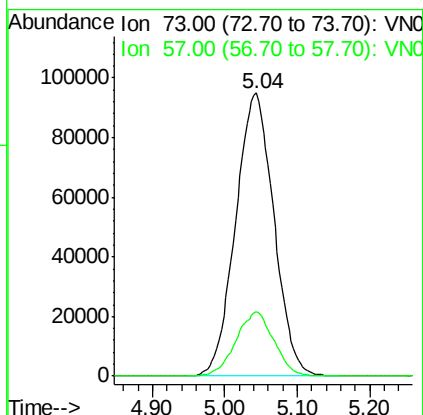
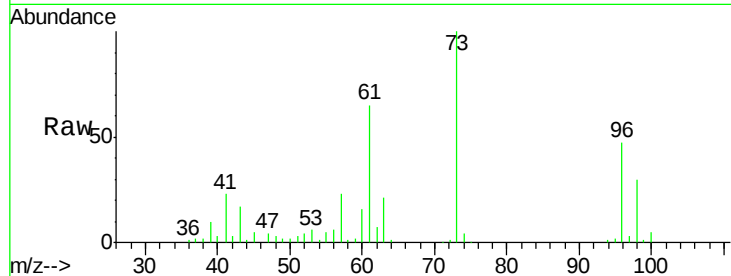




#19
Methyl tert-butyl Ether
Concen: 20.083 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VN053498.D
Acq: 21 Jan 2019 11:25

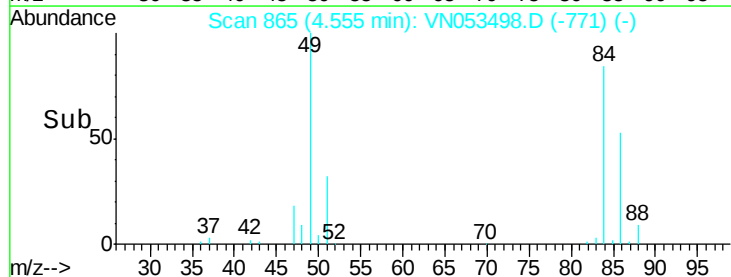
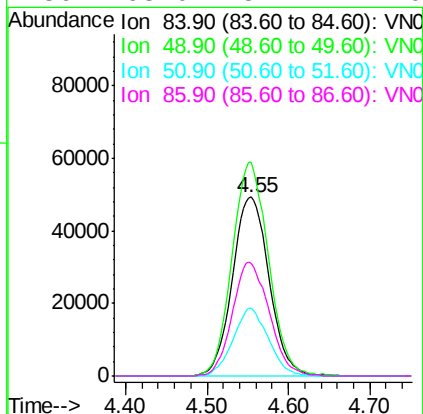
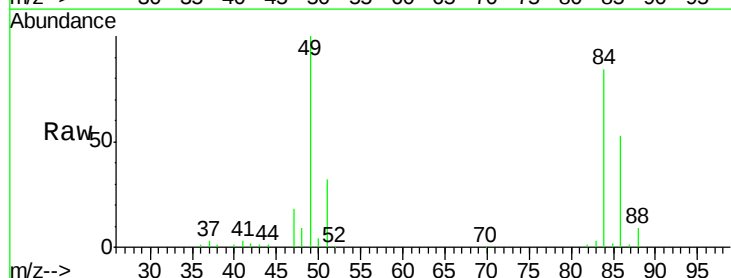
Instrument :
MSVOA_N
ClientSampled :
VN0121MBS01

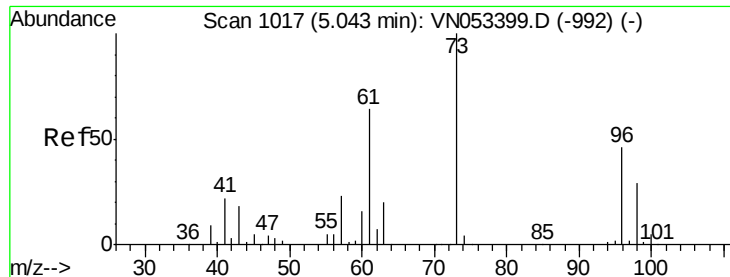
Tot Ion: 73 Resp: 348316
Ion Ratio Lower Upper
73 100
57 22.8 18.3 27.5



#20
Methylene Chloride
Concen: 19.838 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN053498.D
Acq: 21 Jan 2019 11:25

Tgt Ion: 84 Resp: 153988
Ion Ratio Lower Upper
84 100
49 119.4 94.3 141.5
51 38.1 29.4 44.2
86 63.0 51.4 77.0

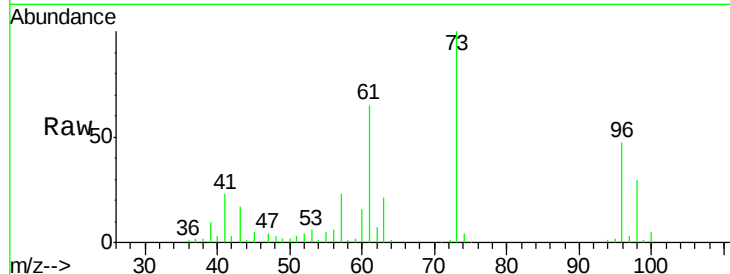




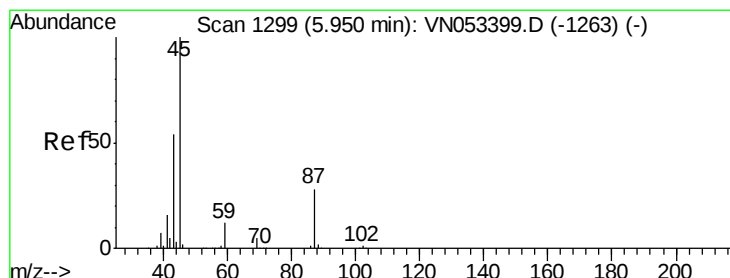
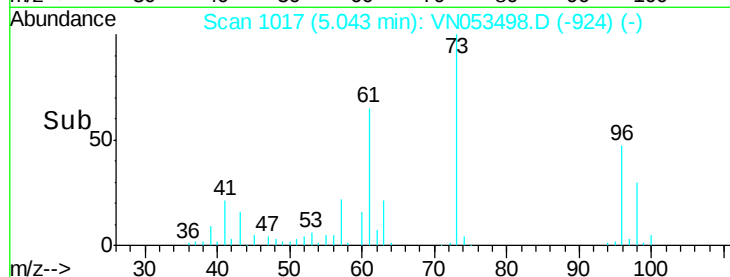
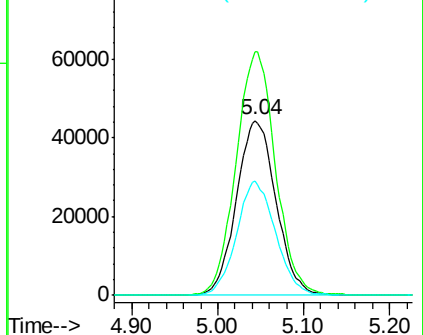
#21
trans-1,2-Dichloroethene
Concen: 20.341 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VN053498.D
Acq: 21 Jan 2019 11:25

Instrument :
MSVOA_N
ClientSampleId :
VN0121MBS01

Tot Ion: 96 Resp: 141952
Ion Ratio Lower Upper
96 100
61 139.3 110.1 165.1
98 65.3 50.0 75.0

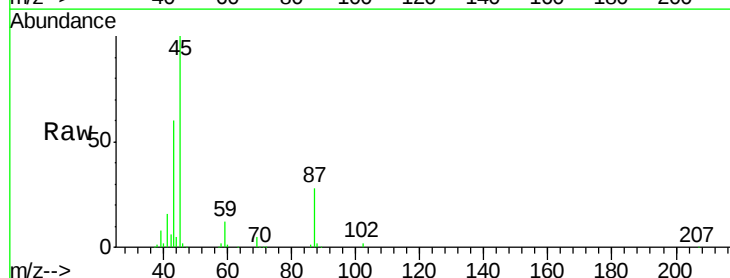


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

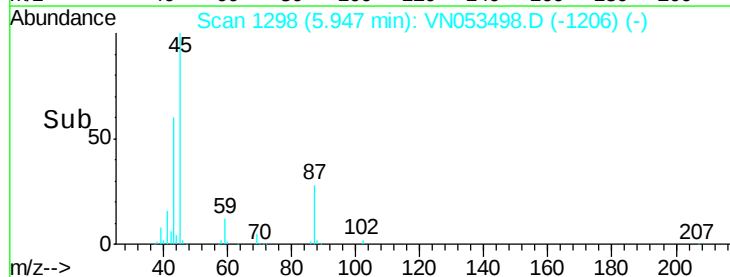
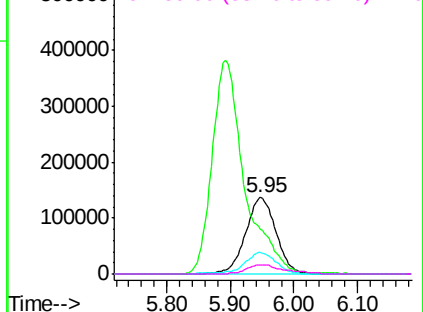


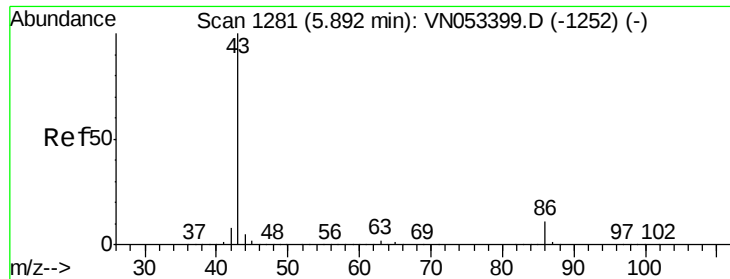
#22
Diisopropyl ether
Concen: 20.651 ug/l
RT: 5.95 min Scan# 1298
Delta R.T. -0.00 min
Lab File: VN053498.D
Acq: 21 Jan 2019 11:25

Tgt Ion: 45 Resp: 457098
Ion Ratio Lower Upper
45 100
43 58.5 44.2 66.4
87 27.9 22.7 34.1
59 12.1 9.4 14.2



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: 99.386 ug/l

RT: 5.89 min Scan# 1281

Delta R.T. 0.00 min

Lab File: VN053498.D

Acq: 21 Jan 2019 11:25

Instrument :

MSVOA_N

ClientSampleId :

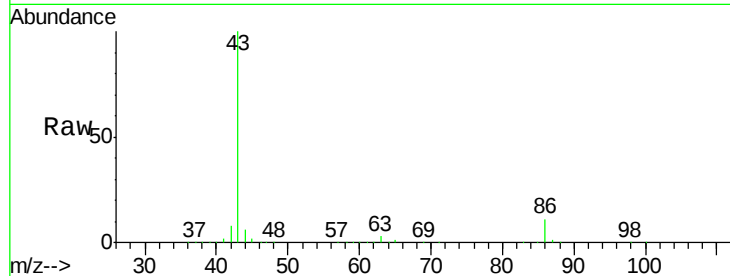
VN0121MBS01

Tot Ion: 43 Resp: 1352269

Ion Ratio Lower Upper

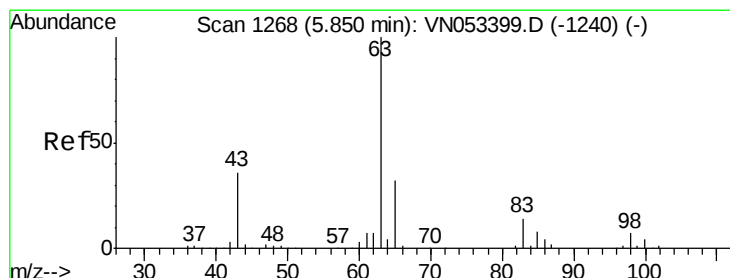
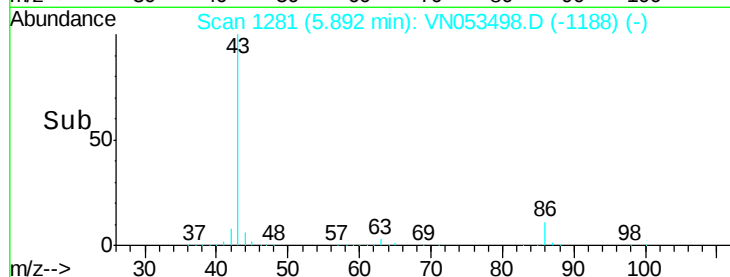
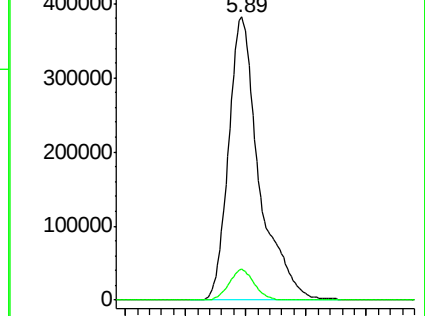
43 100

86 10.9 8.4 12.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 20.521 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. -0.00 min

Lab File: VN053498.D

Acq: 21 Jan 2019 11:25

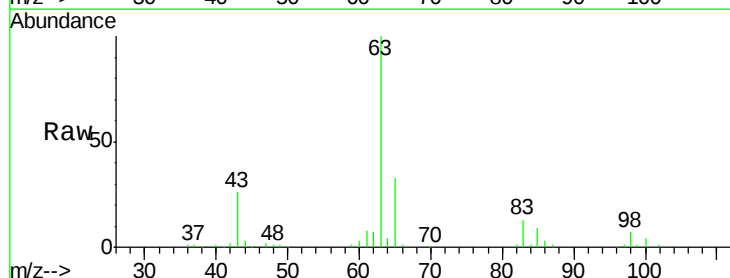
Tgt Ion: 63 Resp: 268512

Ion Ratio Lower Upper

63 100

98 6.8 3.3 9.9

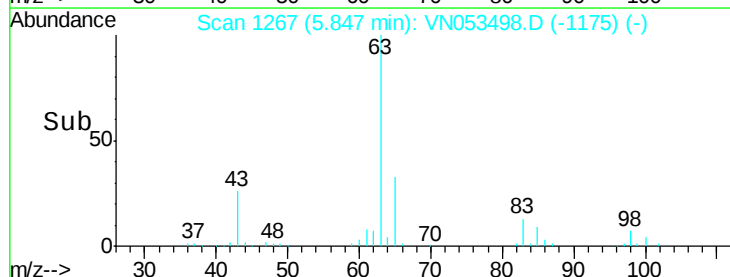
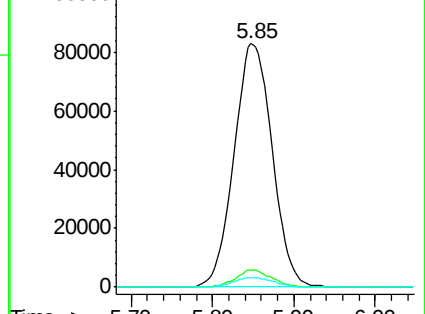
100 3.8 2.1 6.5

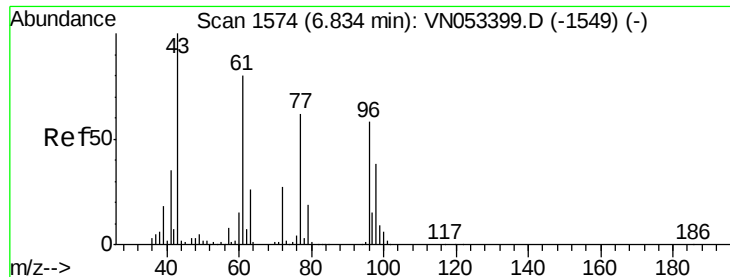


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 95.745 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN053498.D

Acq: 21 Jan 2019 11:25

Instrument :

MSVOA_N

ClientSampleId :

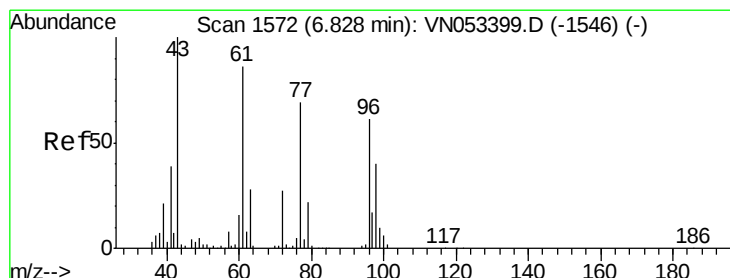
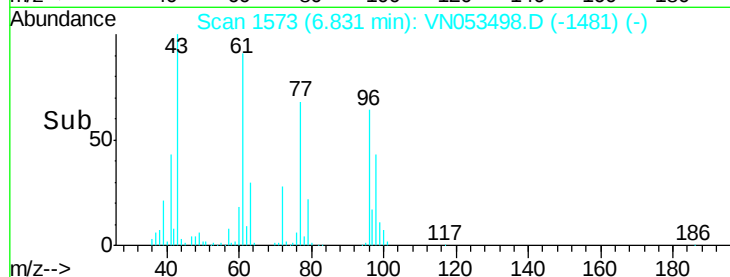
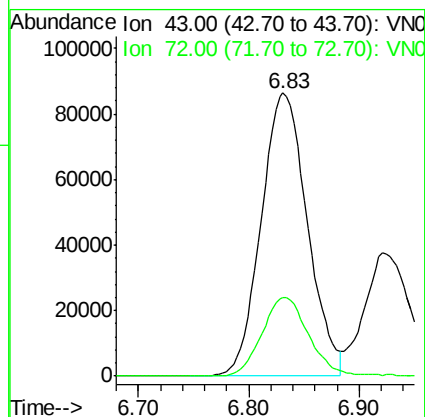
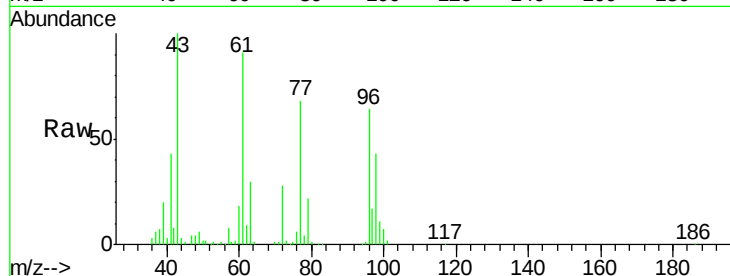
VN0121MBS01

Tot Ion: 43 Resp: 250854

Ion Ratio Lower Upper

43 100

72 27.9 22.0 33.0



#26

2,2-Dichloropropane

Concen: 20.386 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN053498.D

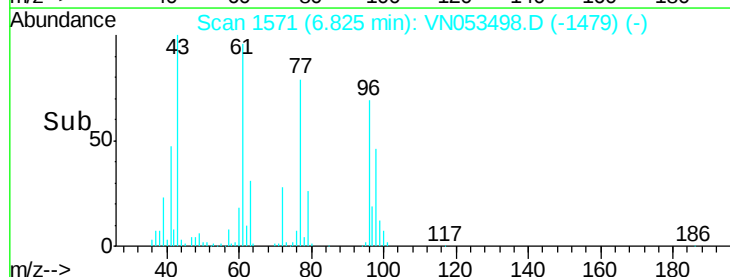
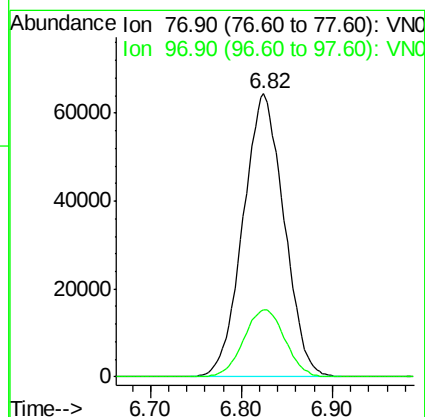
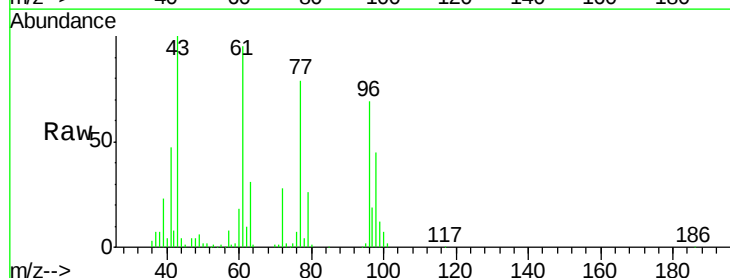
Acq: 21 Jan 2019 11:25

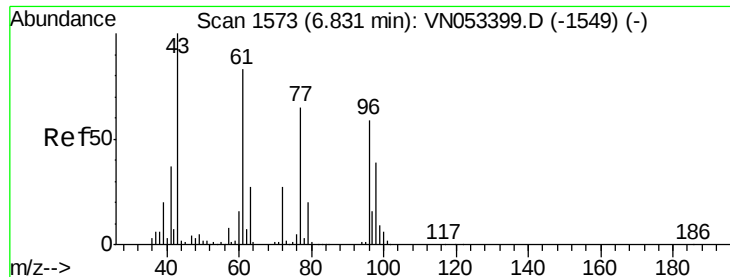
Tgt Ion: 77 Resp: 201404

Ion Ratio Lower Upper

77 100

97 23.9 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 20.490 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.01 min

Lab File: VN053498.D

Acq: 21 Jan 2019 11:25

Instrument :

MSVOA_N

ClientSampled :

VN0121MBS01

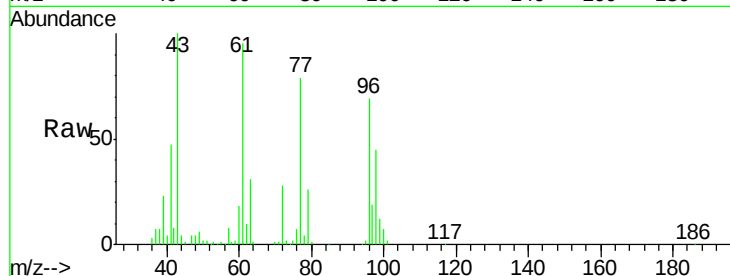
Tot Ion: 96 Resp: 163514

Ion Ratio Lower Upper

96 100

61 142.8 0.0 283.8

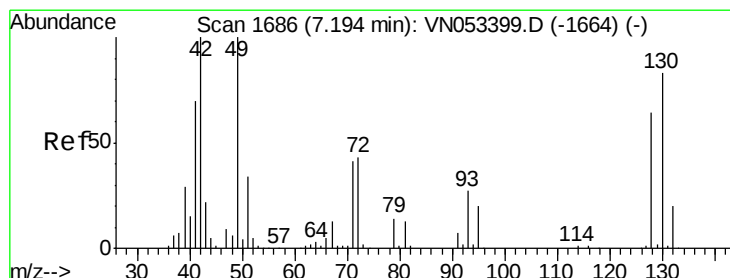
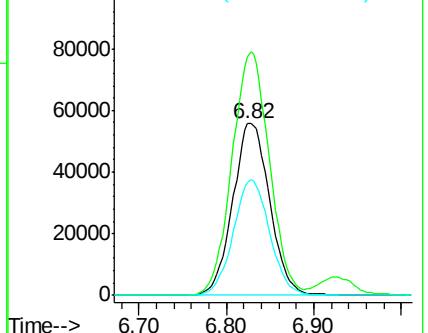
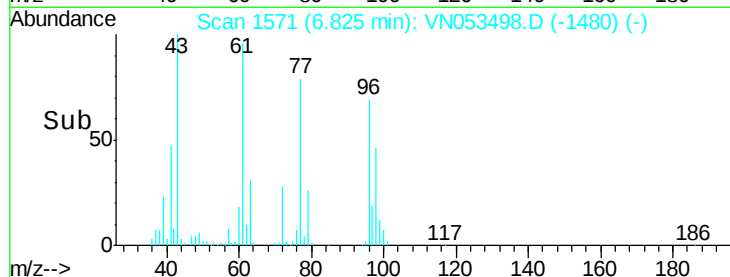
98 66.0 0.0 129.2



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



#28

Bromochloromethane

Concen: 20.954 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN053498.D

Acq: 21 Jan 2019 11:25

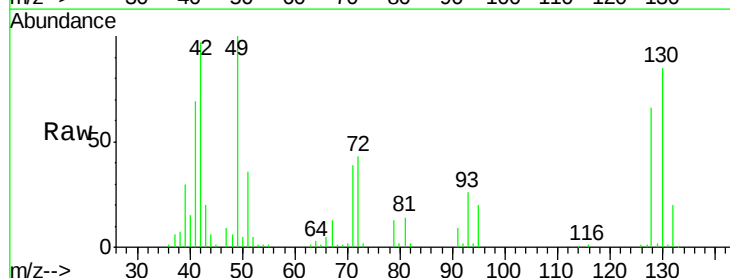
Tgt Ion: 49 Resp: 120786

Ion Ratio Lower Upper

49 100

129 2.1 0.0 4.0

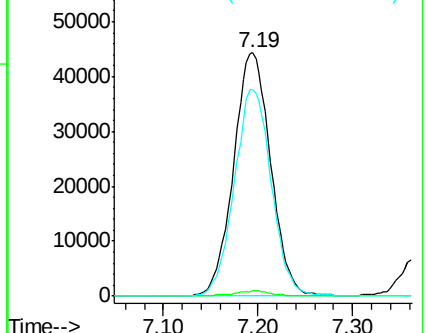
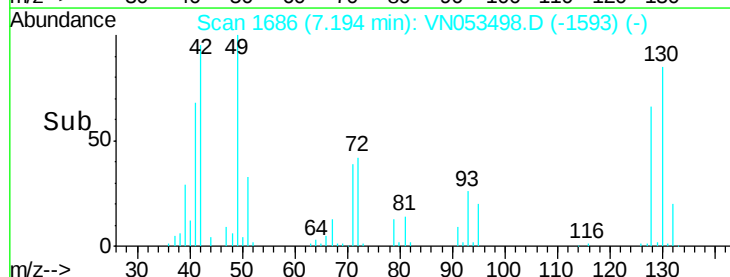
130 84.8 66.3 99.5

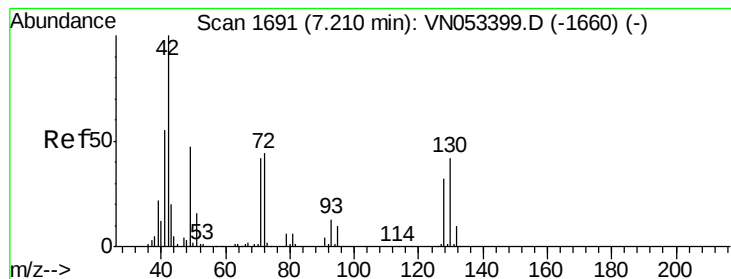


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 96.568 ug/l

RT: 7.21 min Scan# 1691

Delta R.T. 0.00 min

Lab File: VN053498.D

Acq: 21 Jan 2019 11:25

Instrument :

MSVOA_N

ClientSampleId :

VN0121MBS01

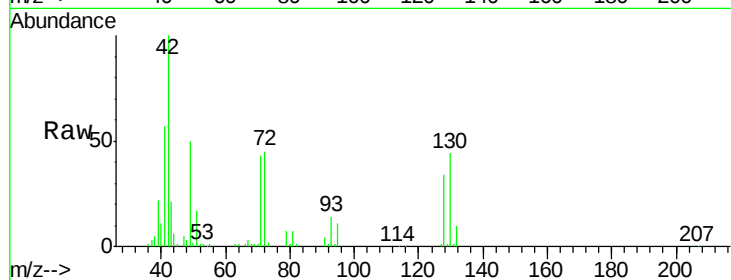
Tot Ion: 42 Resp: 164709

Ion Ratio Lower Upper

42 100

72 44.6 35.2 52.8

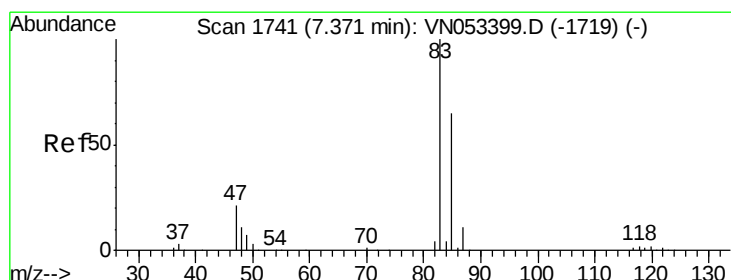
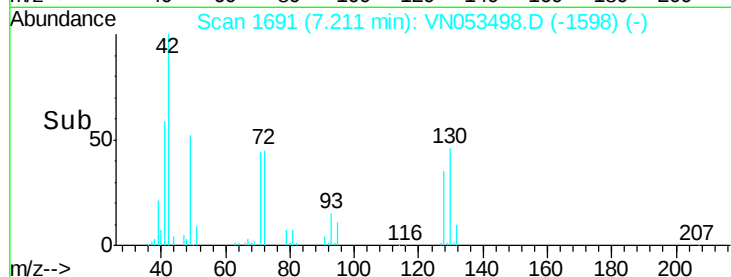
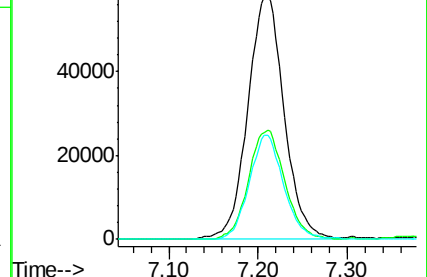
71 40.5 33.0 49.4



Abundance Ion 42.00 (41.70 to 42.70): VN053399.D (-1660) (-)

Ion 72.00 (71.70 to 72.70): VN053399.D (-1660) (-)

Ion 71.00 (70.70 to 71.70): VN053399.D (-1660) (-)



#30

Chloroform

Concen: 21.034 ug/l

RT: 7.37 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VN053498.D

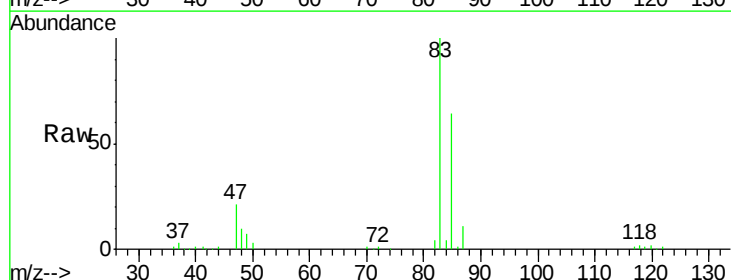
Acq: 21 Jan 2019 11:25

Tgt Ion: 83 Resp: 268157

Ion Ratio Lower Upper

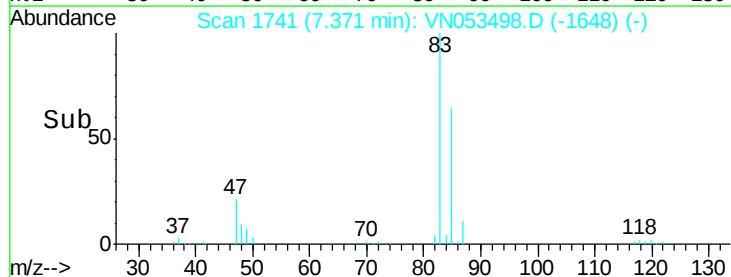
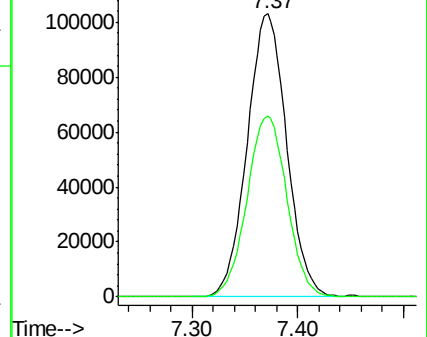
83 100

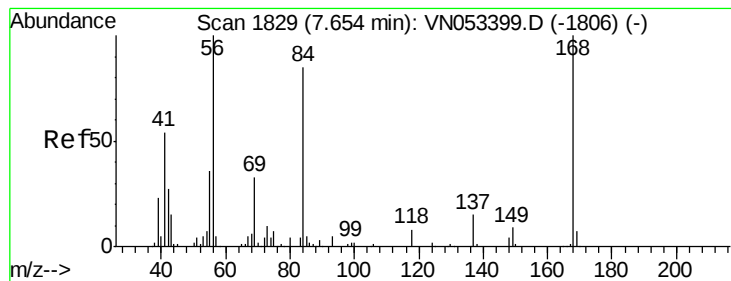
85 64.0 52.2 78.2



Abundance Ion 82.90 (82.60 to 83.60): VN053399.D (-1719) (-)

Ion 84.90 (84.60 to 85.60): VN053399.D (-1719) (-)





#31

Cyclohexane

Concen: 19.536 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN053498.D

Acq: 21 Jan 2019 11:25

Instrument :

MSVOA_N

ClientSampled :

VN0121MBS01

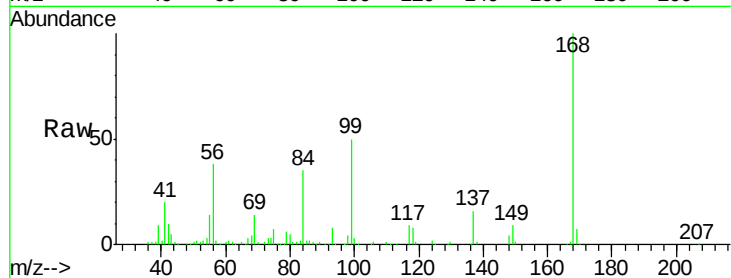
Tot Ion: 56 Resp: 250510

Ion Ratio Lower Upper

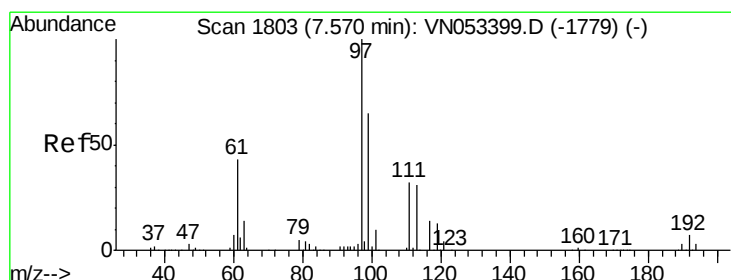
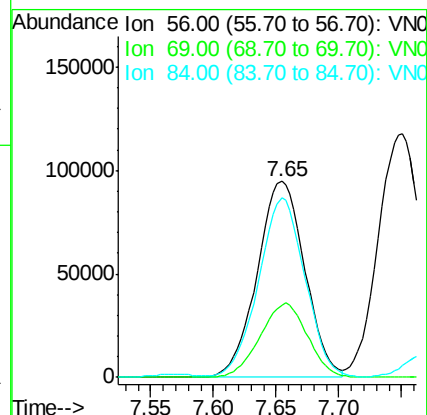
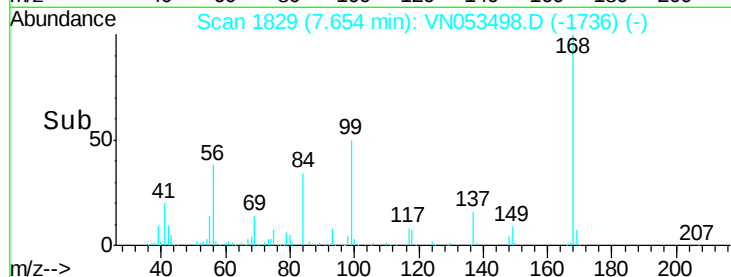
56 100

69 37.0 26.4 39.6

84 90.7 67.9 101.9



Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 20.768 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN053498.D

Acq: 21 Jan 2019 11:25

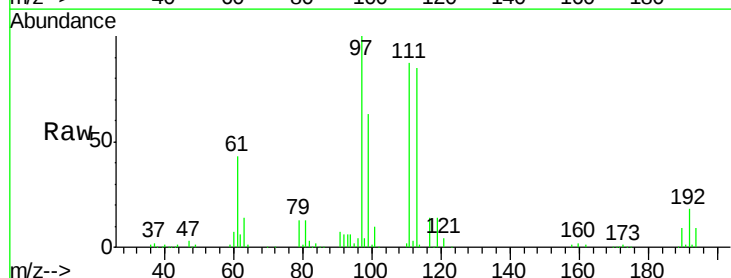
Tgt Ion: 97 Resp: 224596

Ion Ratio Lower Upper

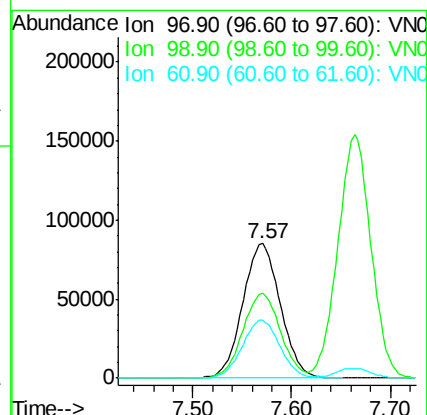
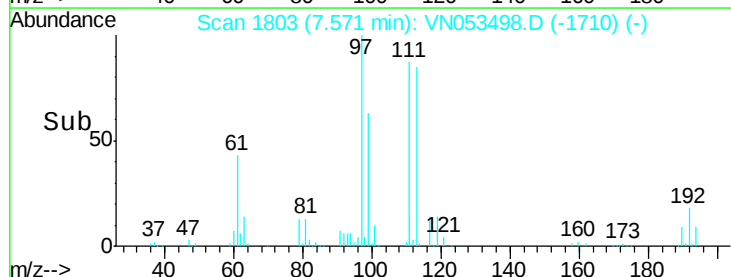
97 100

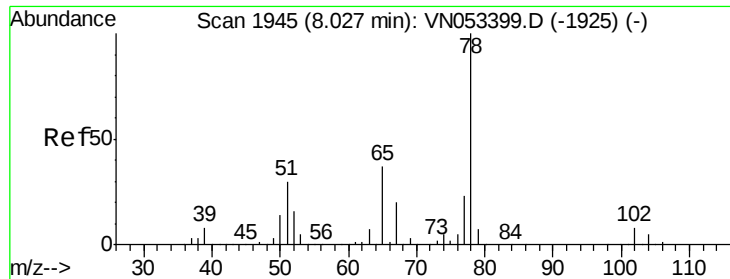
99 63.4 52.0 78.0

61 43.2 34.4 51.6



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0

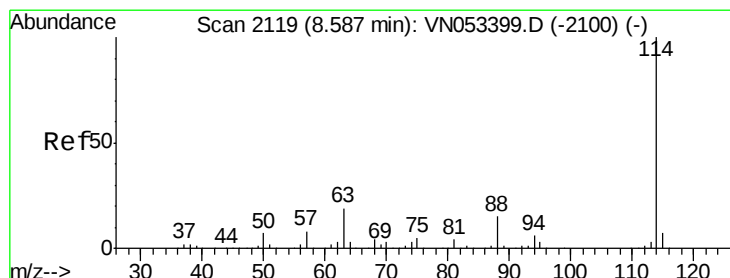
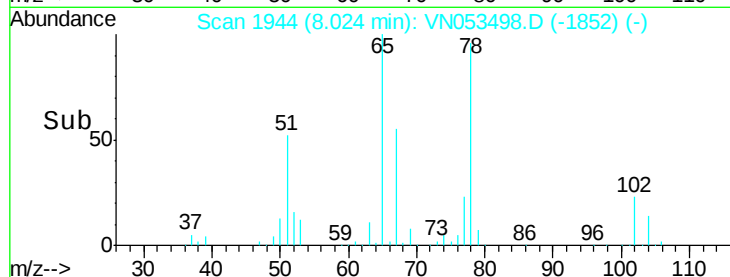
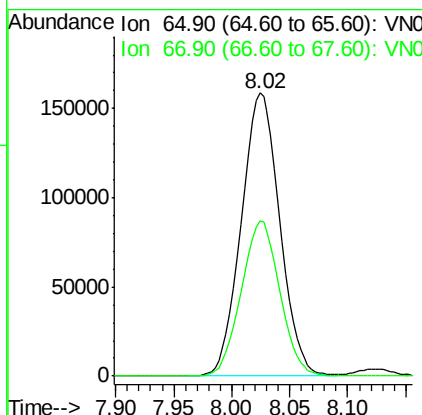
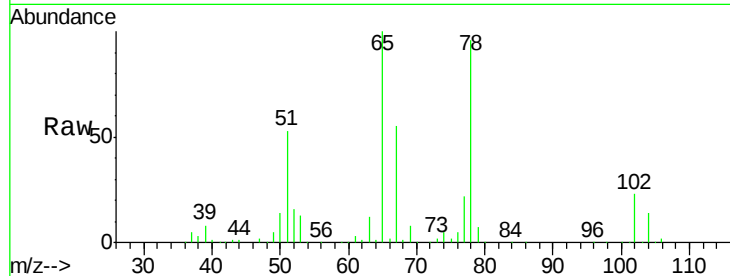




#33
 1,2-Dichloroethane-d4
 Concen: 20.768 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VN053498.D
 Acq: 21 Jan 2019 11:25

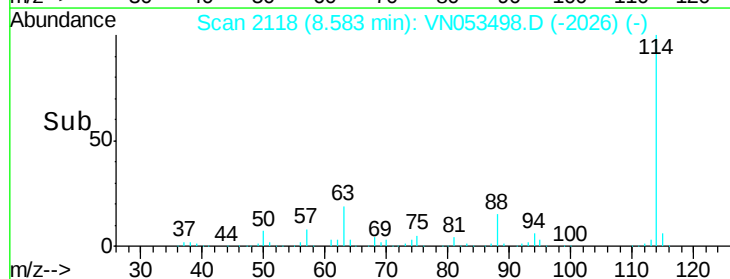
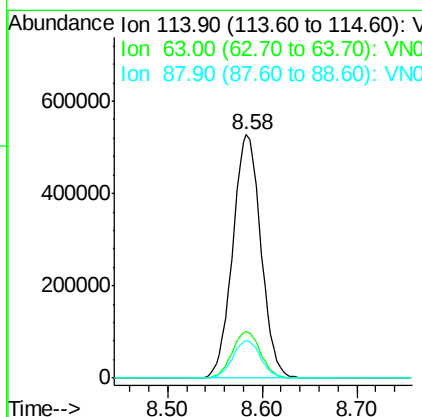
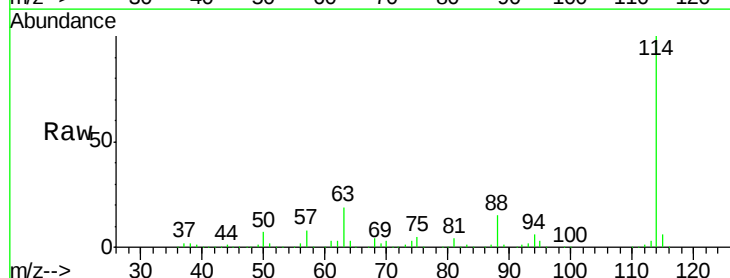
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0121MBS01

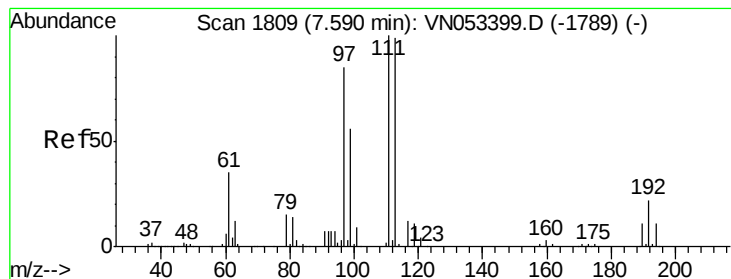
Tot Ion: 65 Resp: 367220
 Ion Ratio Lower Upper
 65 100
 67 54.8 0.0 111.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN053498.D
 Acq: 21 Jan 2019 11:25

Tgt Ion:114 Resp: 1089200
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 38.6
 88 15.2 0.0 30.4





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.59 min Scan# 1808

Delta R.T. -0.00 min

Lab File: VN053498.D

Acq: 21 Jan 2019 11:25

Instrument :

MSVOA_N

ClientSampleId :

VN0121MBS01

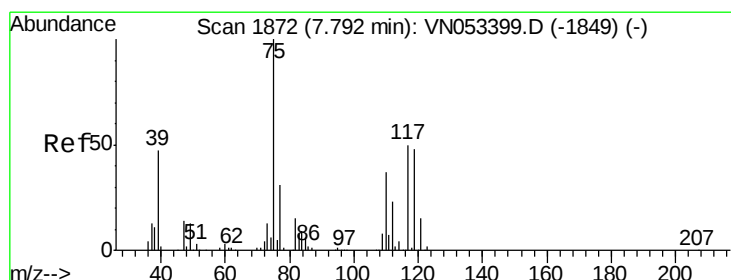
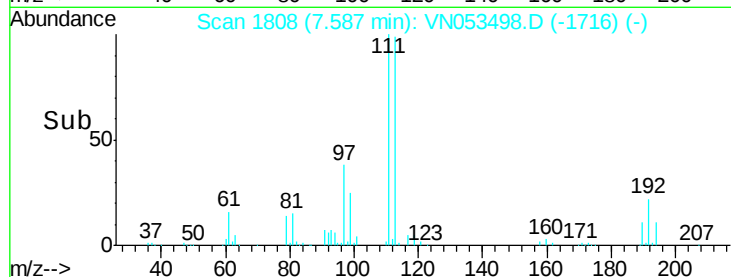
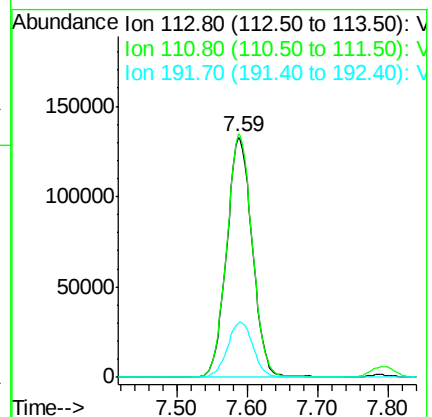
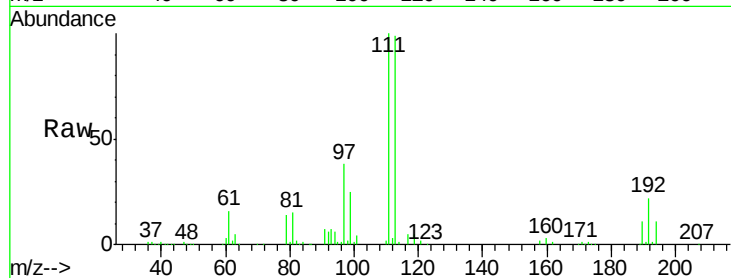
Tot Ion:113 Resp: 336851

Ion Ratio Lower Upper

113 100

111 100.8 81.1 121.7

192 22.9 18.2 27.2



#36

1,1-Dichloropropene

Concen: 20.589 ug/l

RT: 7.79 min Scan# 1872

Delta R.T. 0.00 min

Lab File: VN053498.D

Acq: 21 Jan 2019 11:25

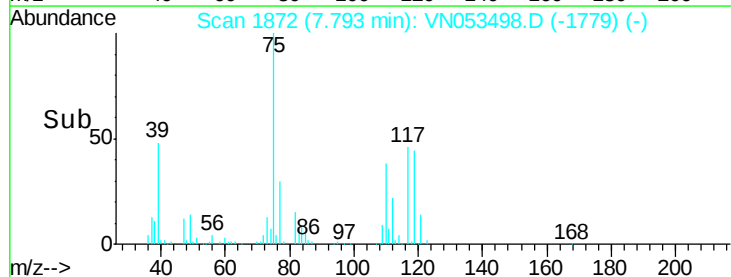
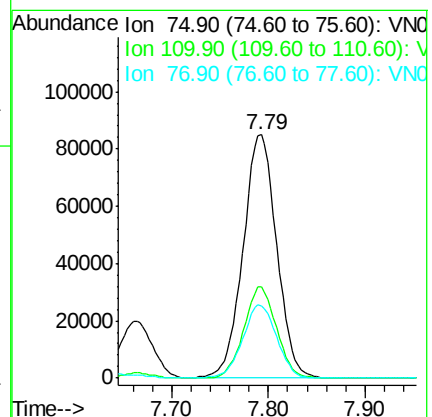
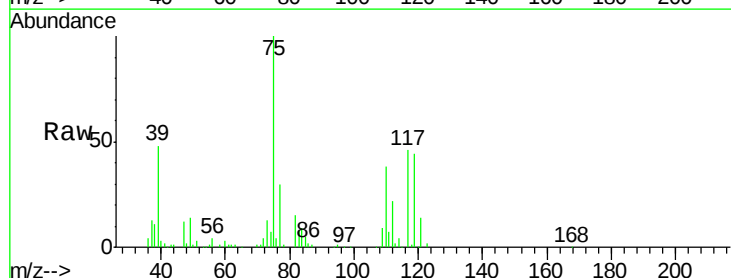
Tgt Ion: 75 Resp: 204233

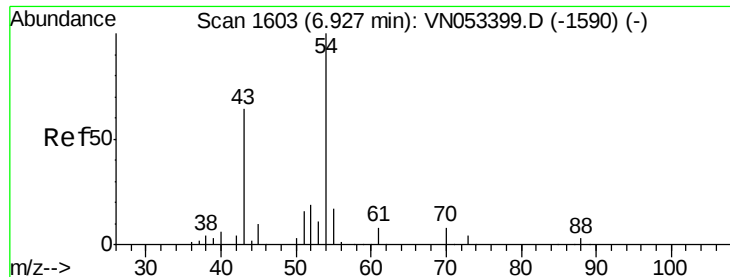
Ion Ratio Lower Upper

75 100

110 36.5 18.1 54.3

77 30.5 25.1 37.7

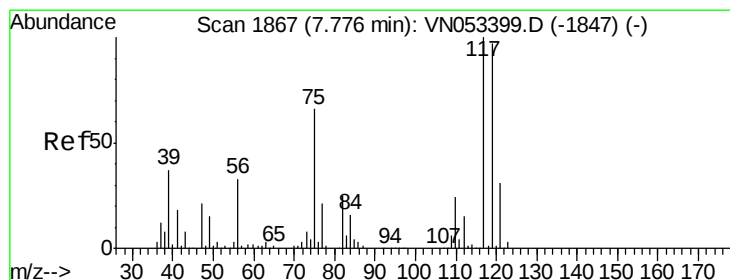
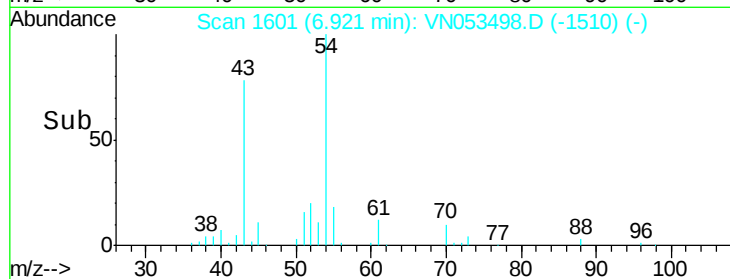
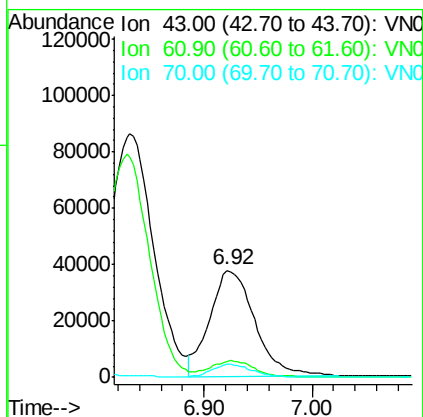
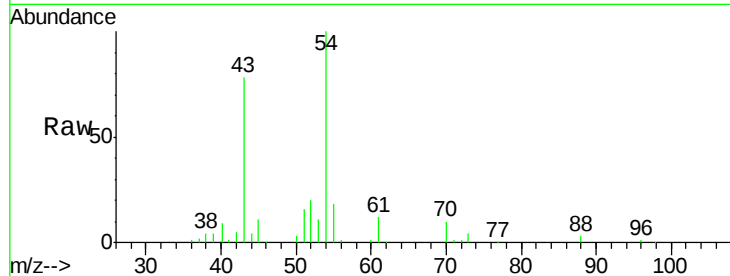




#37
Ethyl Acetate
Concen: 19.003 ug/l
RT: 6.92 min Scan# 1601
Delta R.T. -0.01 min
Lab File: VN053498.D
Acq: 21 Jan 2019 11:25

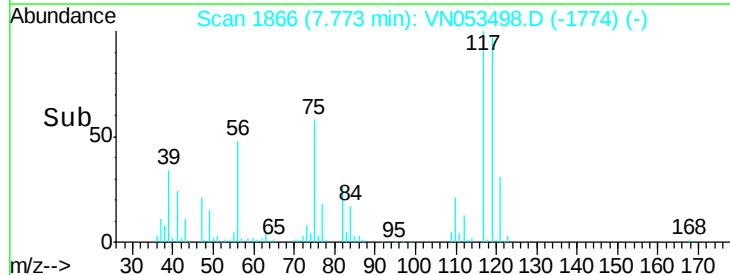
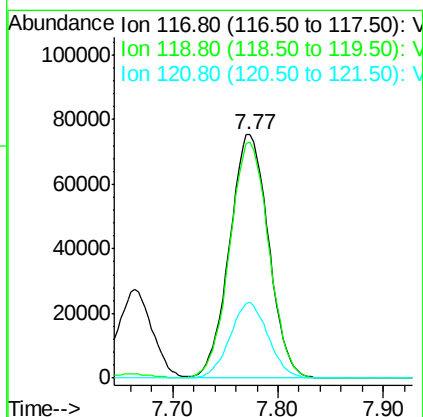
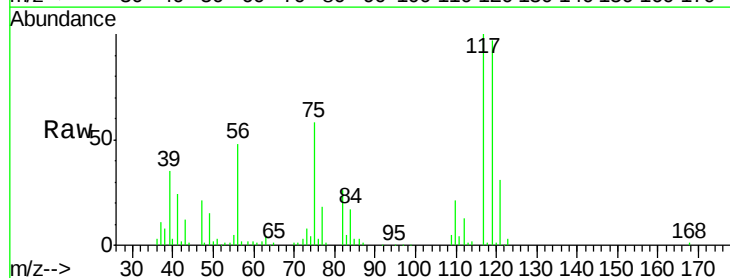
Instrument :
MSVOA_N
ClientSampleId :
VN0121MBS01

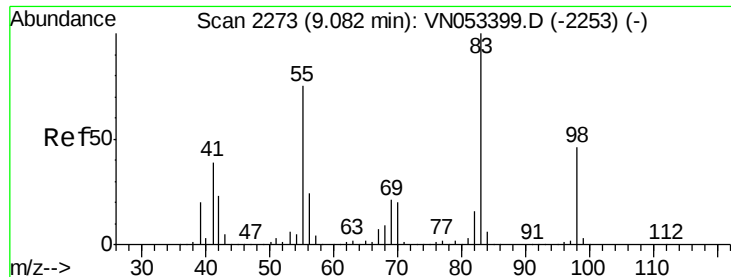
Tot Ion: 43 Resp: 108448
Ion Ratio Lower Upper
43 100
61 14.7 11.8 17.6
70 11.4 8.6 12.8



#38
Carbon Tetrachloride
Concen: 20.662 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN053498.D
Acq: 21 Jan 2019 11:25

Tgt Ion: 117 Resp: 194038
Ion Ratio Lower Upper
117 100
119 96.8 77.2 115.8
121 31.0 24.6 37.0

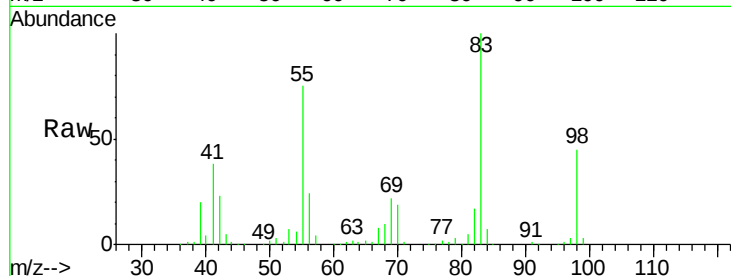




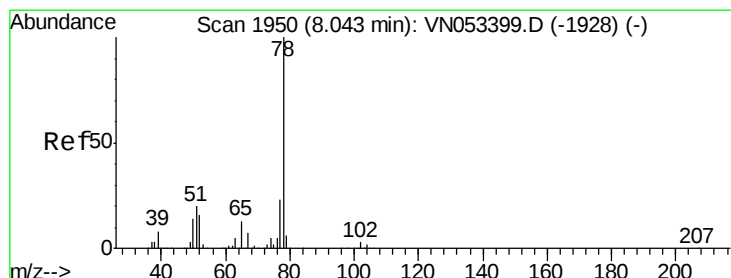
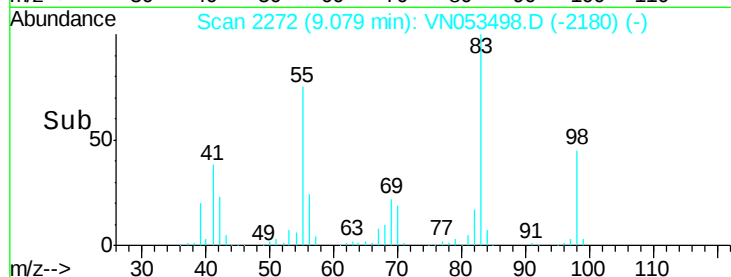
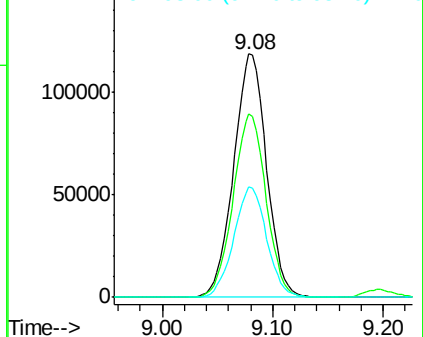
#39
Methvlcvclohexane
Concen: 19.935 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN053498.D
Acq: 21 Jan 2019 11:25

Instrument :
MSVOA_N
ClientSampleId :
VN0121MBS01

Tot Ion: 83 Resp: 244406
Ion Ratio Lower Upper
83 100
55 75.1 60.1 90.1
98 45.3 36.6 55.0

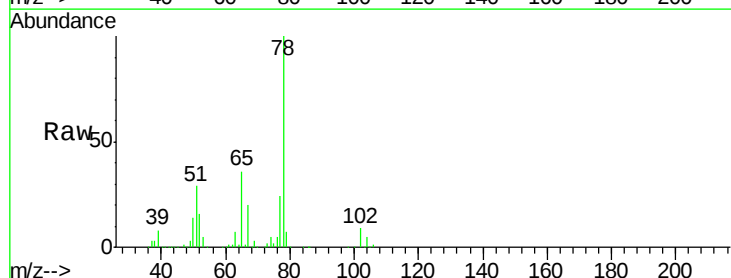


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

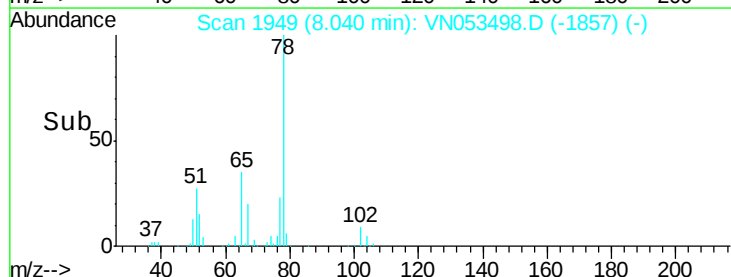
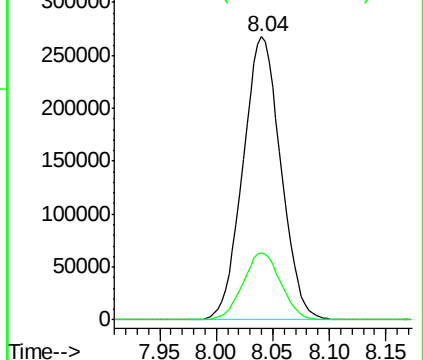


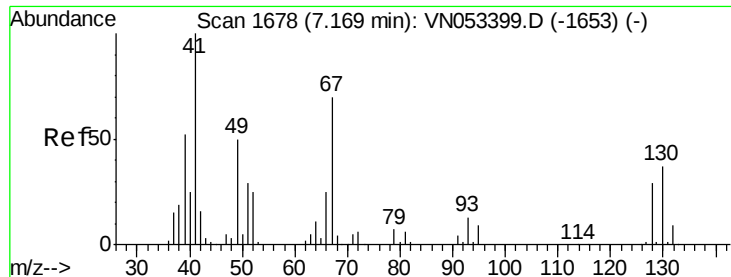
#40
Benzene
Concen: 20.719 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN053498.D
Acq: 21 Jan 2019 11:25

Tgt Ion: 78 Resp: 624554
Ion Ratio Lower Upper
78 100
77 23.7 18.8 28.2



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0

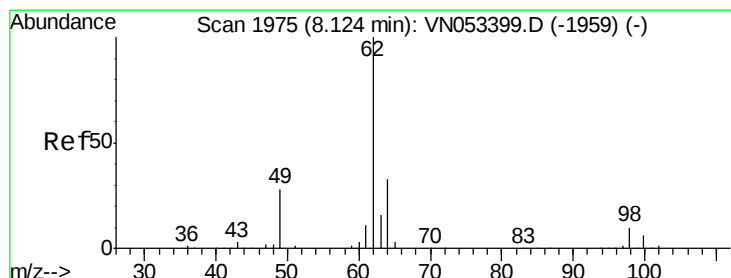
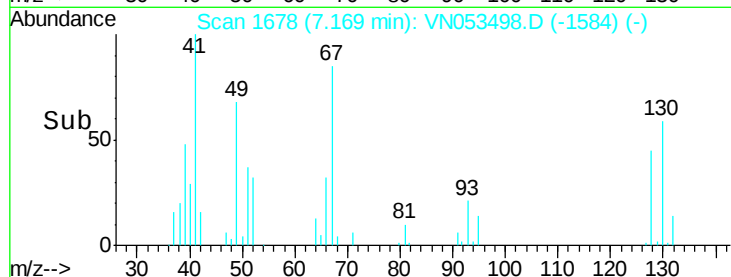
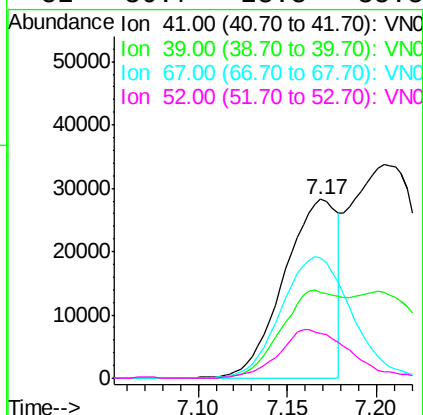
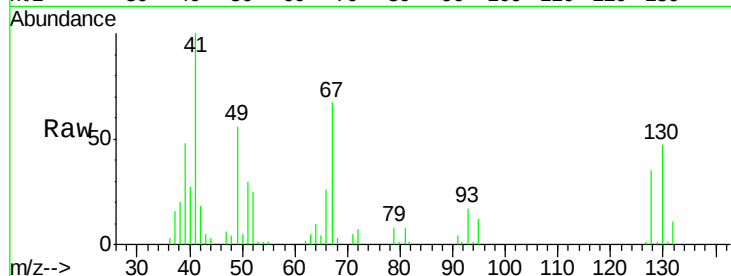




#41
Methacrylonitrile
Concen: 17.696 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. 0.00 min
Lab File: VN053498.D
Acq: 21 Jan 2019 11:25

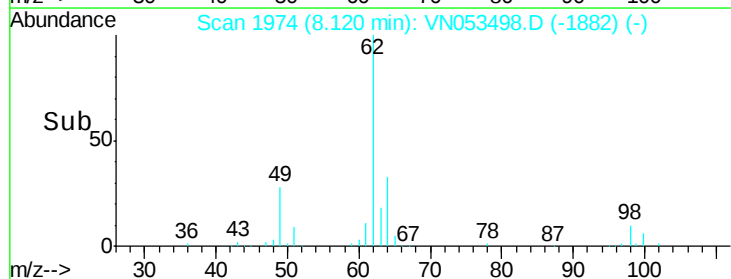
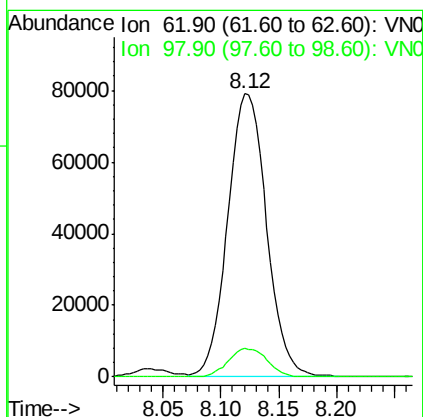
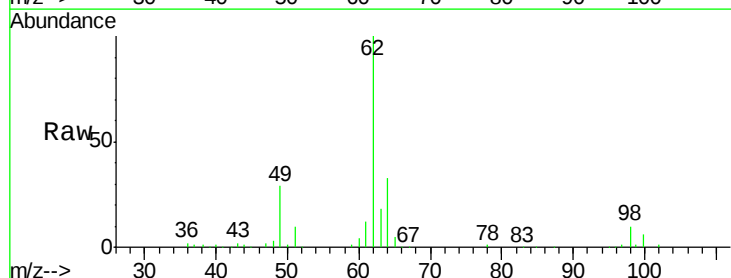
Instrument :
MSVOA_N
ClientSampleId :
VN0121MBS01

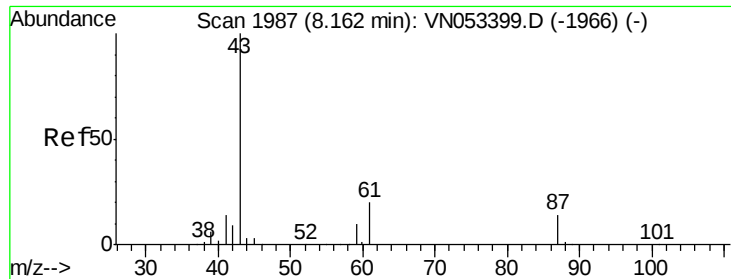
Tot Ion: 41 Resp: 58527
Ion Ratio Lower Upper
41 100
39 59.4 46.8 70.2
67 91.0 63.0 94.6
52 36.7 23.8 35.8#



#42
1,2-Dichloroethane
Concen: 20.856 ug/l
RT: 8.12 min Scan# 1974
Delta R.T. -0.00 min
Lab File: VN053498.D
Acq: 21 Jan 2019 11:25

Tgt Ion: 62 Resp: 183147
Ion Ratio Lower Upper
62 100
98 10.0 0.0 19.6





#43

Isopropyl Acetate

Concen: 20.083 ug/l

RT: 8.16 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VN053498.D

Acq: 21 Jan 2019 11:25

Instrument :

MSVOA_N

ClientSampleId :

VN0121MBS01

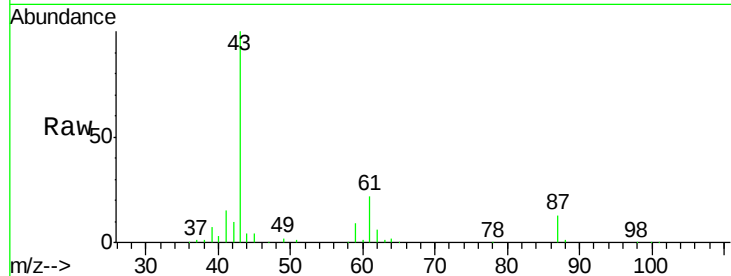
Tot Ion: 43 Resp: 206084

Ion Ratio Lower Upper

43 100

61 29.7 23.9 35.9

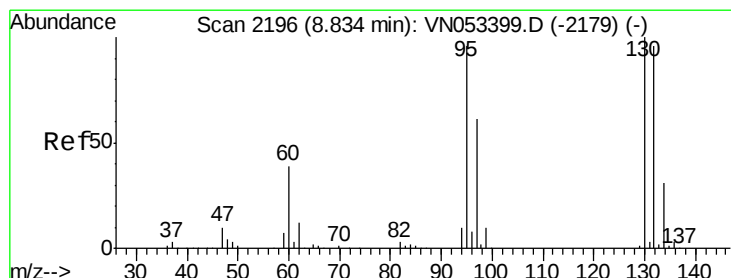
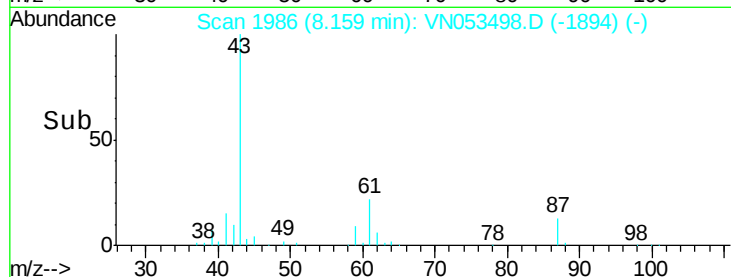
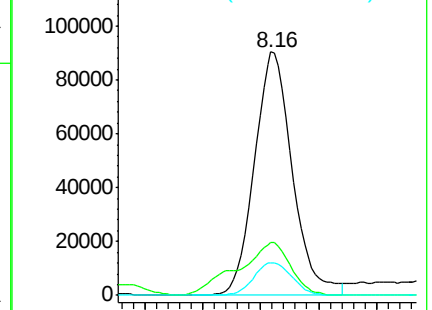
87 13.4 11.0 16.6



Abundance Ion 43.00 (42.70 to 43.70): VN053399.D (-1966) (-)

Ion 61.00 (60.70 to 61.70): VN053399.D (-1966) (-)

Ion 87.00 (86.70 to 87.70): VN053399.D (-1966) (-)



#44

Trichloroethene

Concen: 20.988 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN053498.D

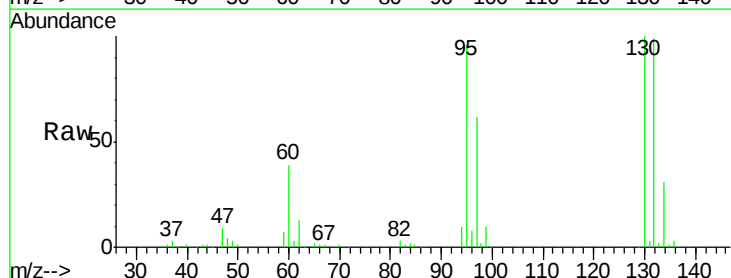
Acq: 21 Jan 2019 11:25

Tgt Ion:130 Resp: 175446

Ion Ratio Lower Upper

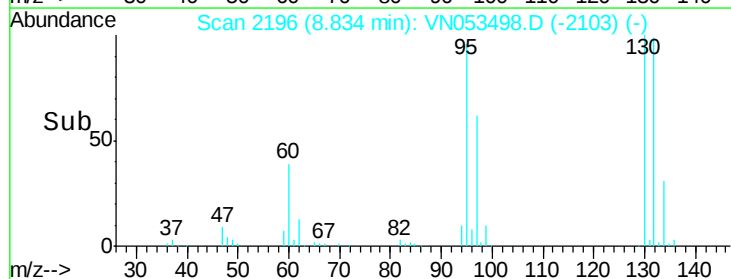
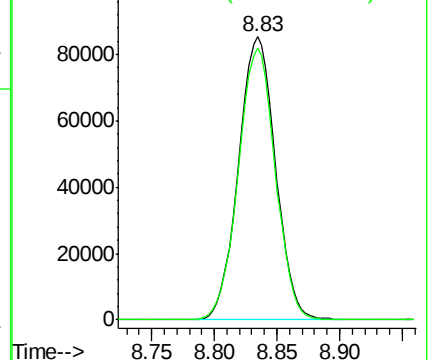
130 100

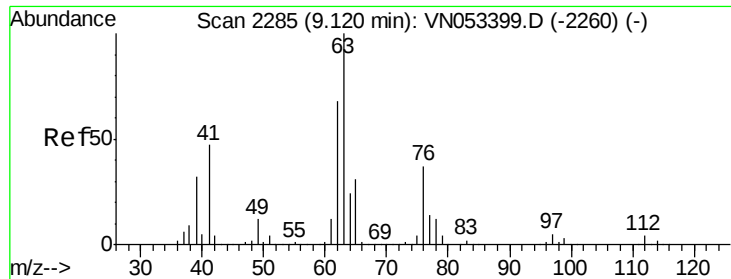
95 95.9 0.0 191.4



Abundance Ion 129.80 (129.50 to 130.50): VN053399.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN053399.D (-2179) (-)





#45

1,2-Dichloropropane

Concen: 20.822 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN053498.D

Acq: 21 Jan 2019 11:25

Instrument :

MSVOA_N

ClientSampleId :

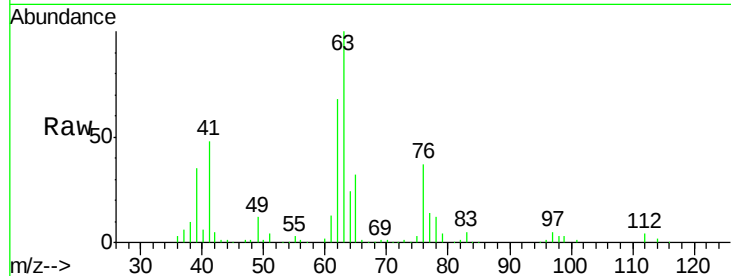
VN0121MBS01

Tot Ion: 63 Resp: 166243

Ion Ratio Lower Upper

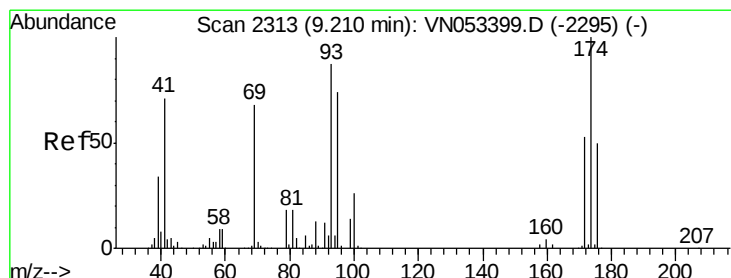
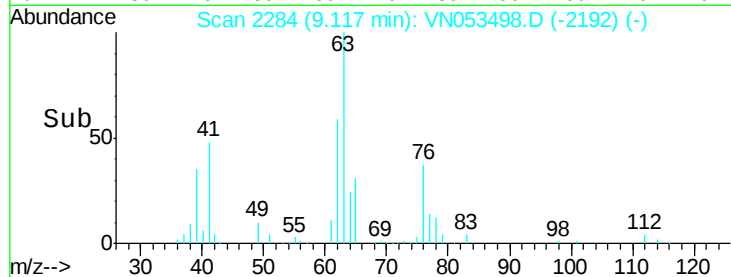
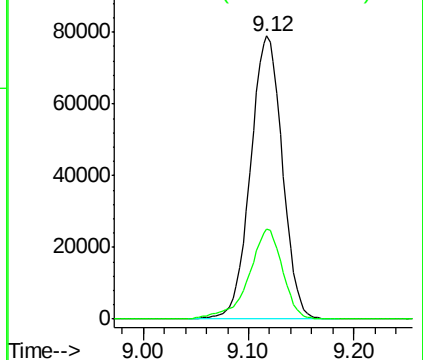
63 100

65 31.9 25.0 37.4



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 19.909 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN053498.D

Acq: 21 Jan 2019 11:25

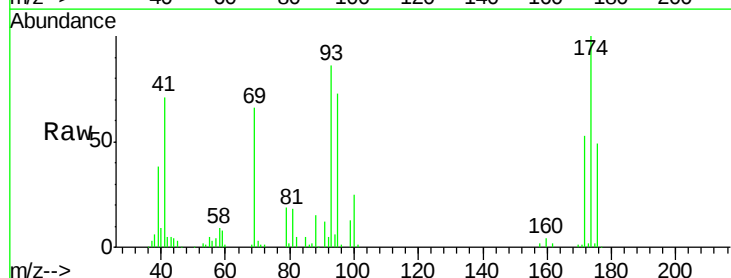
Tgt Ion: 93 Resp: 91324

Ion Ratio Lower Upper

93 100

95 86.0 67.3 100.9

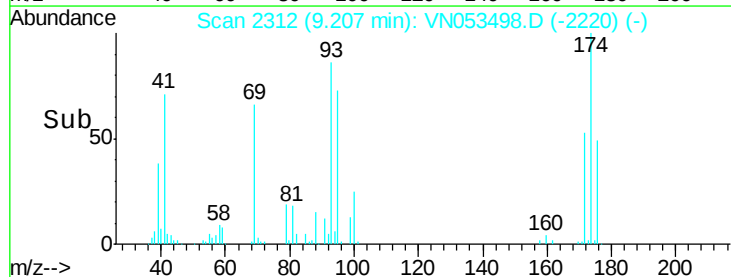
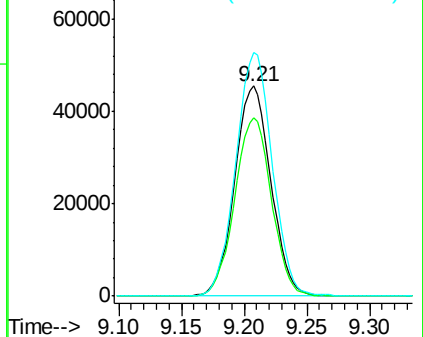
174 116.9 91.0 136.4

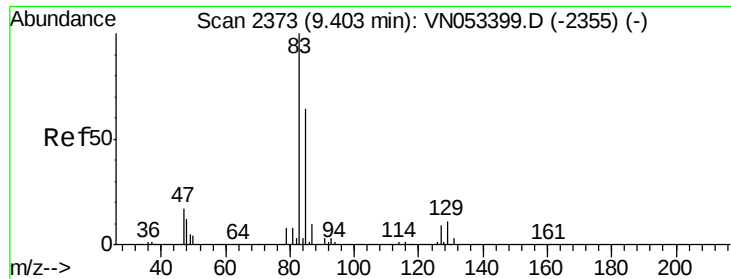


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

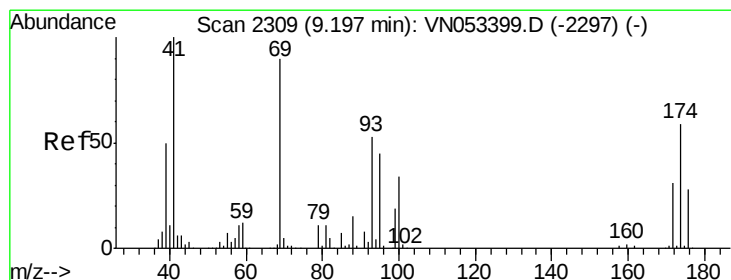
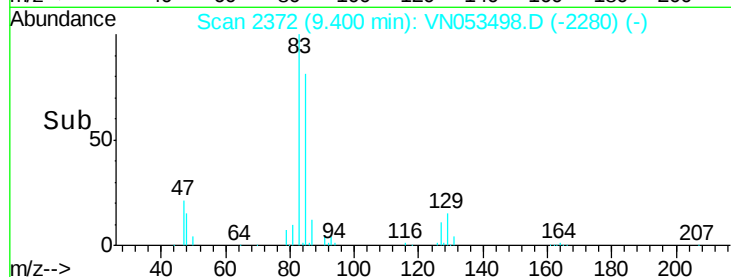
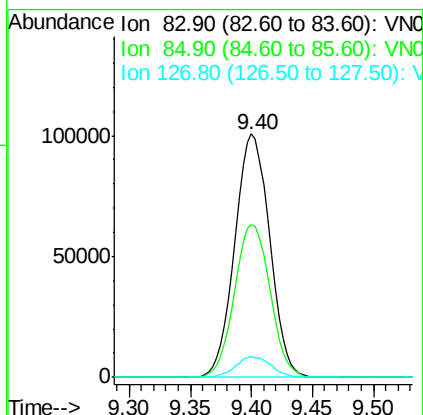
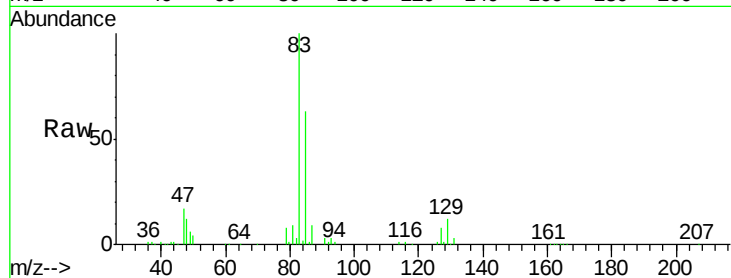




#47
Bromodichloromethane
Concen: 20.715 ug/l
RT: 9.40 min Scan# 2372
Delta R.T. -0.00 min
Lab File: VN053498.D
Acq: 21 Jan 2019 11:25

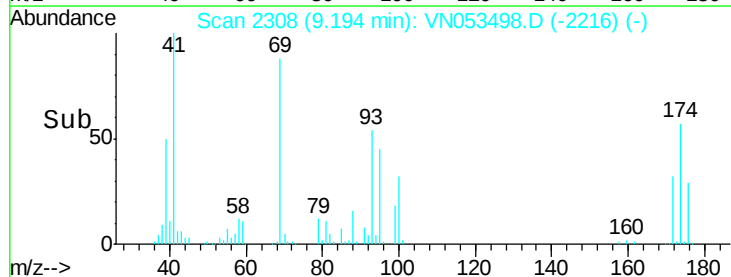
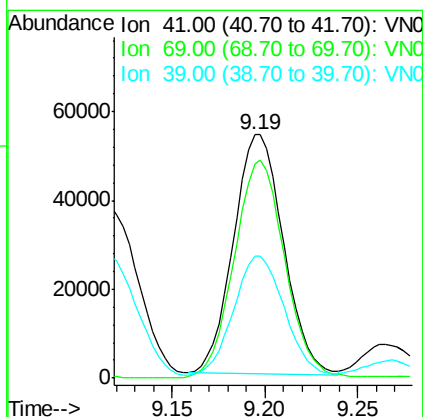
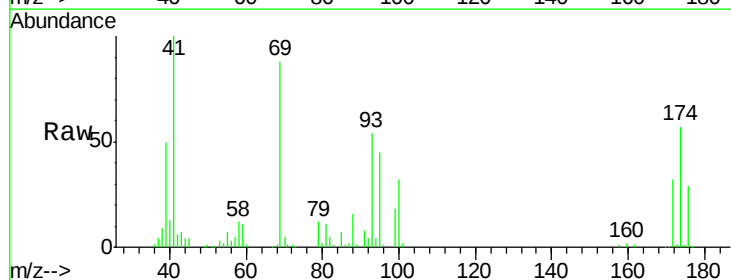
Instrument :
MSVOA_N
ClientSampled :
VN0121MBS01

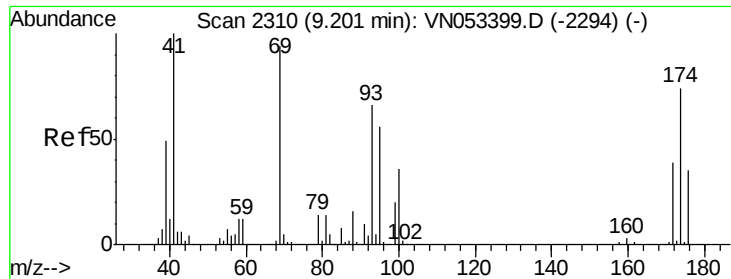
Tot Ion: 83 Resp: 199836
Ion Ratio Lower Upper
83 100
85 62.9 51.0 76.6
127 8.4 7.0 10.6



#48
Methyl methacrylate
Concen: 19.096 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. -0.00 min
Lab File: VN053498.D
Acq: 21 Jan 2019 11:25

Tgt Ion: 41 Resp: 101181
Ion Ratio Lower Upper
41 100
69 92.8 73.8 110.6
39 53.4 40.0 60.0





#49

1,4-Dioxane

Concen: 377.617 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN053498.D

Acq: 21 Jan 2019 11:25

Instrument :

MSVOA_N

ClientSampled :

VN0121MBS01

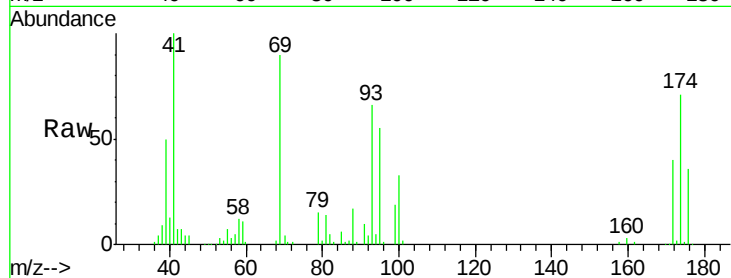
Tot Ion: 88 Resp: 19540

Ion Ratio Lower Upper

88 100

43 33.4 27.8 41.6

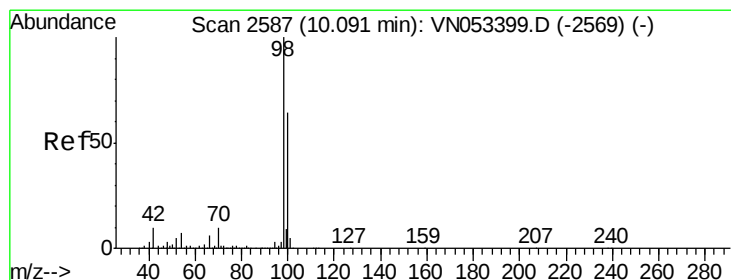
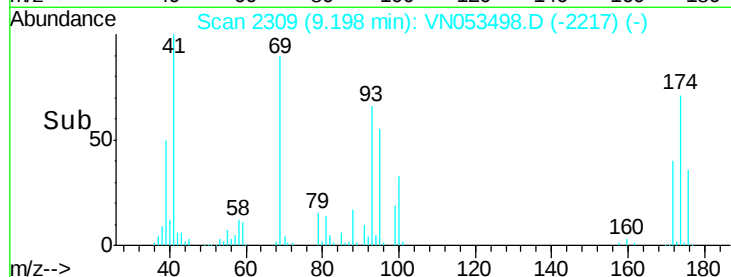
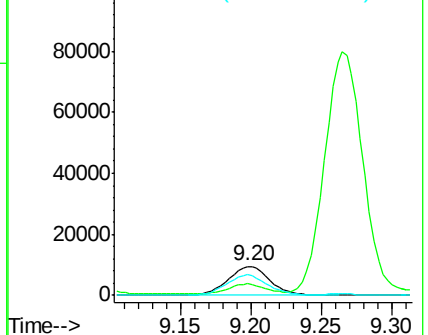
58 70.8 56.5 84.7



Abundance Ion 88.00 (87.70 to 88.70): VN053399.D (-2294) (-)

Ion 43.00 (42.70 to 43.70): VN053399.D (-2294) (-)

Ion 58.00 (57.70 to 58.70): VN053399.D (-2294) (-)



#50

Toluene-d8

Concen: 377.617 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN053498.D

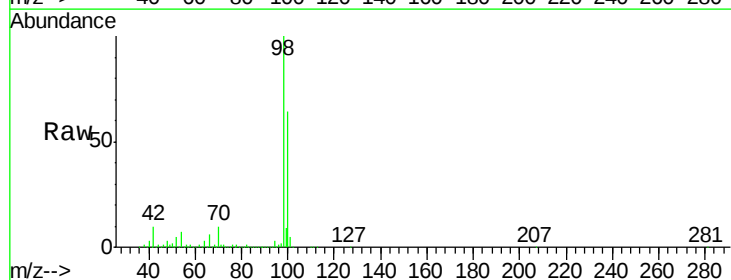
Acq: 21 Jan 2019 11:25

Tgt Ion: 98 Resp: 1345467

Ion Ratio Lower Upper

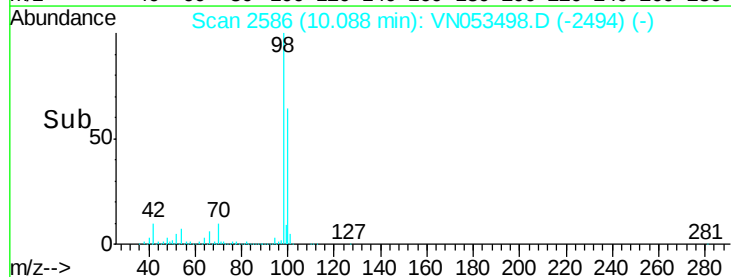
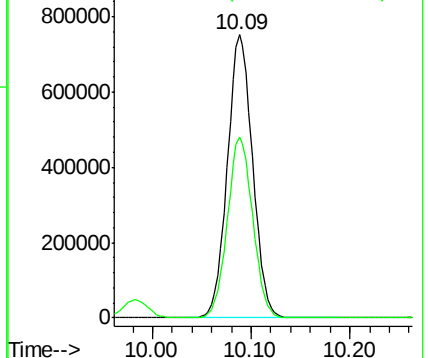
98 100

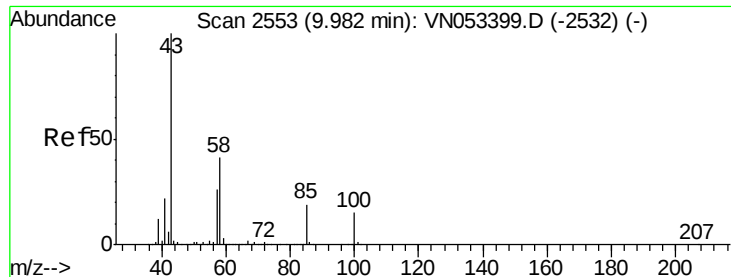
100 64.0 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VN053399.D (-2569) (-)

Ion 100.00 (99.70 to 100.70): VN053399.D (-2569) (-)

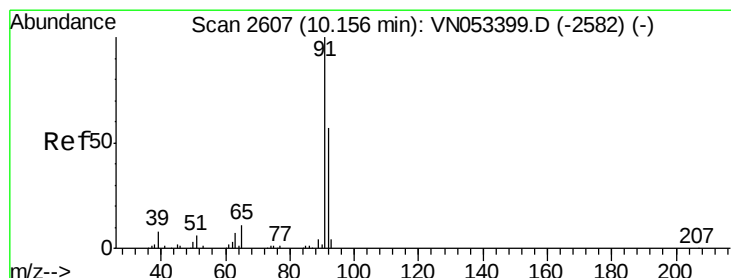
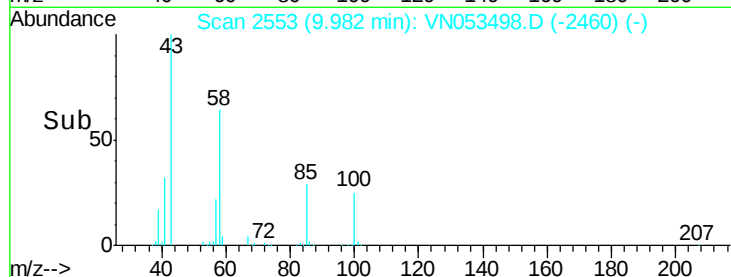
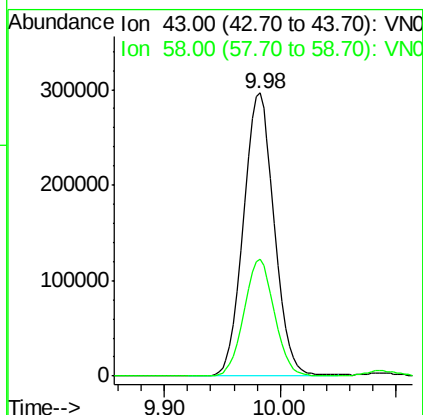
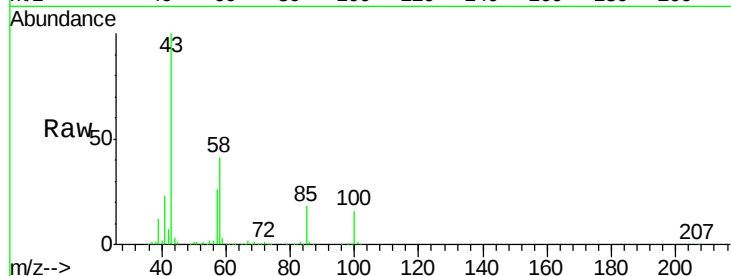




#51
 4-Methyl-2-Pentanone
 Concen: 97.601 ug/l
 RT: 9.98 min Scan# 2553
 Delta R.T. 0.00 min
 Lab File: VN053498.D
 Acq: 21 Jan 2019 11:25

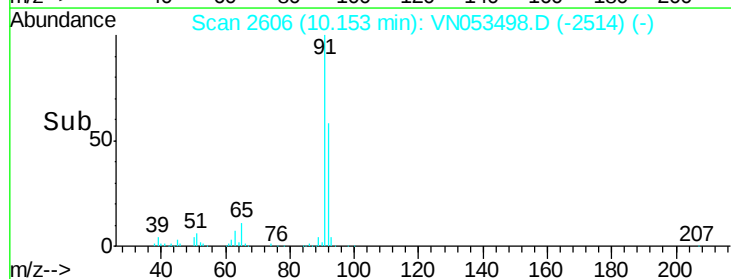
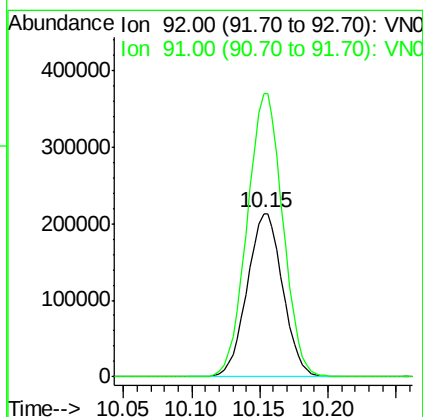
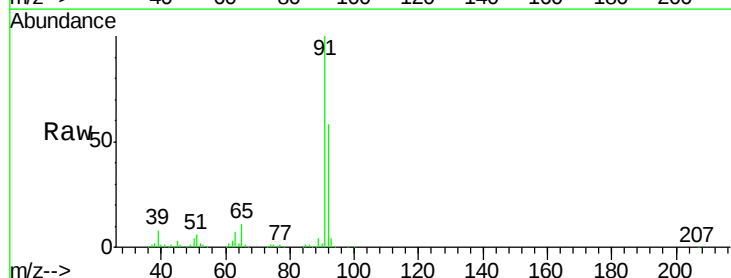
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0121MBS01

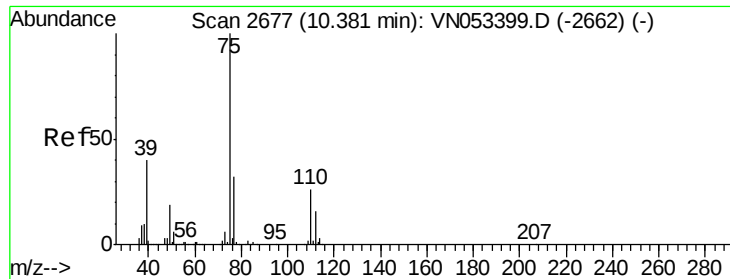
Tot Ion: 43 Resp: 546745
 Ion Ratio Lower Upper
 43 100
 58 40.9 32.8 49.2



#52
 Toluene
 Concen: 20.602 ug/l
 RT: 10.15 min Scan# 2606
 Delta R.T. -0.00 min
 Lab File: VN053498.D
 Acq: 21 Jan 2019 11:25

Tgt Ion: 92 Resp: 385534
 Ion Ratio Lower Upper
 92 100
 91 174.2 139.9 209.9





#53

t-1,3-Dichloropropene

Concen: 20.266 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN053498.D

Acq: 21 Jan 2019 11:25

Instrument :

MSVOA_N

ClientSampleId :

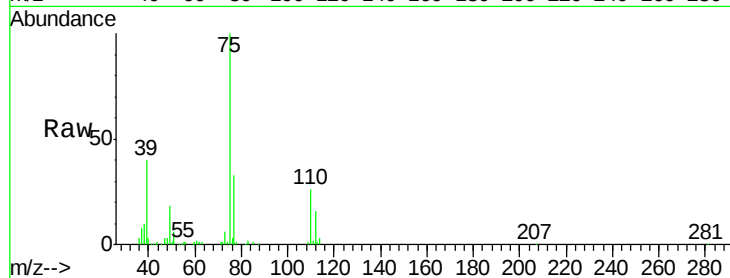
VN0121MBS01

Tot Ion: 75 Resp: 198164

Ion Ratio Lower Upper

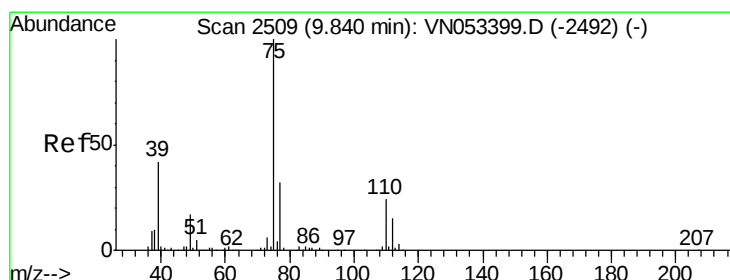
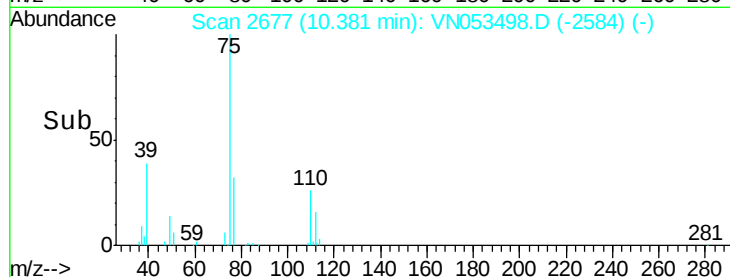
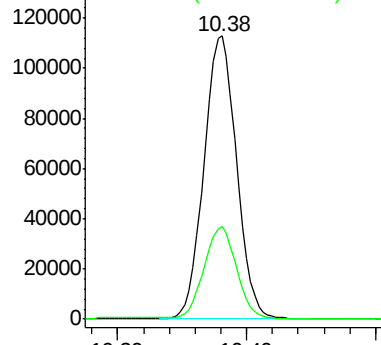
75 100

77 32.4 25.5 38.3



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 20.667 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. -0.00 min

Lab File: VN053498.D

Acq: 21 Jan 2019 11:25

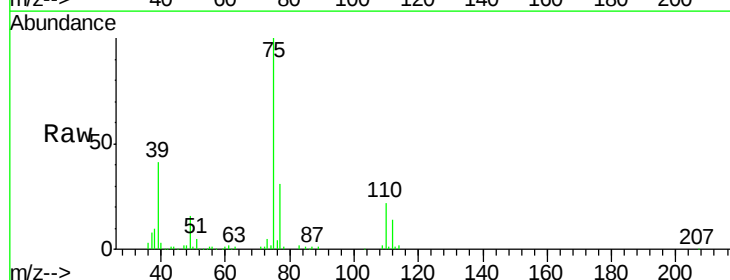
Tgt Ion: 75 Resp: 236891

Ion Ratio Lower Upper

75 100

77 31.0 25.8 38.6

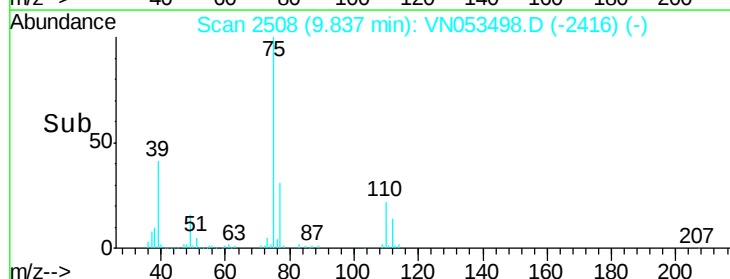
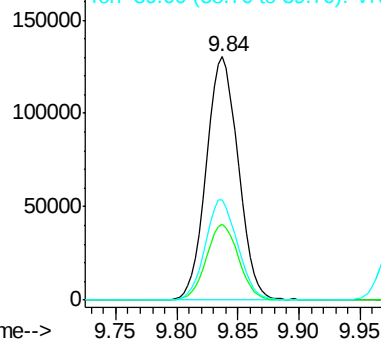
39 41.1 33.4 50.0

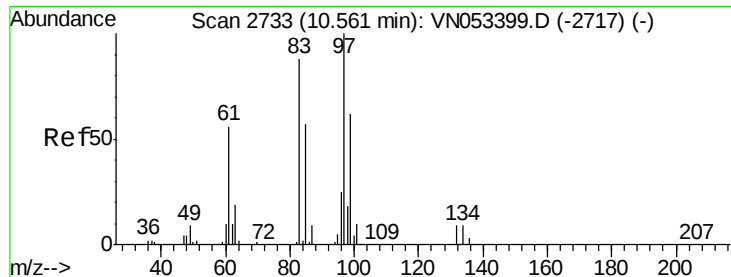


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

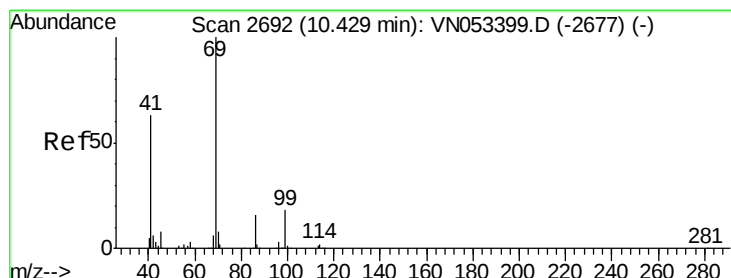
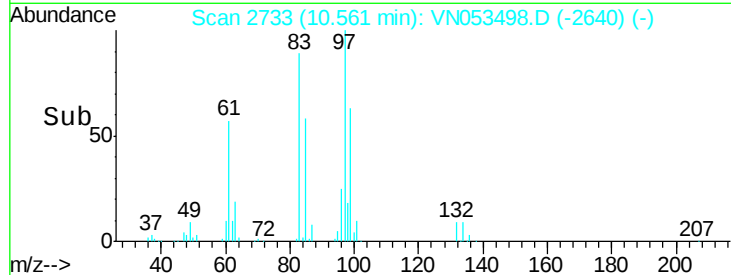
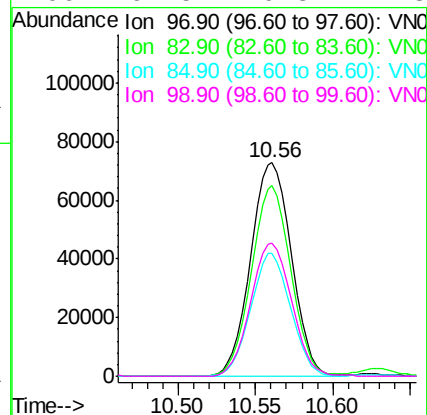
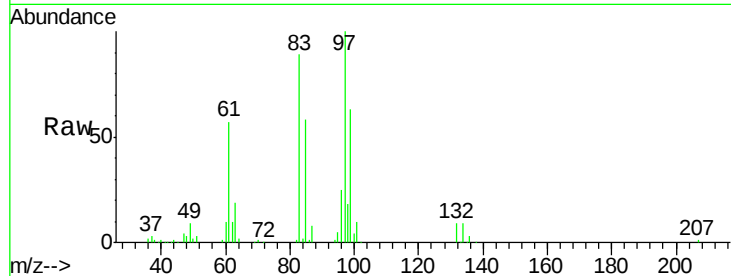




#55
 1,1,2-Trichloroethane
 Concen: 20.801 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN053498.D
 Acq: 21 Jan 2019 11:25

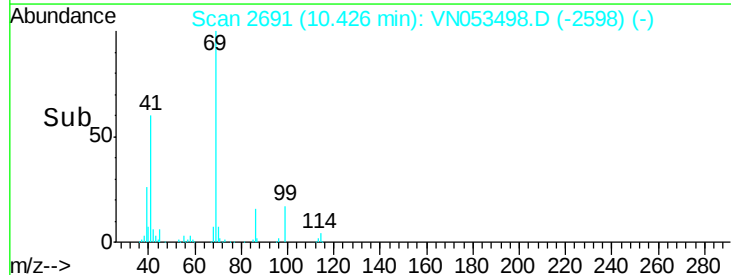
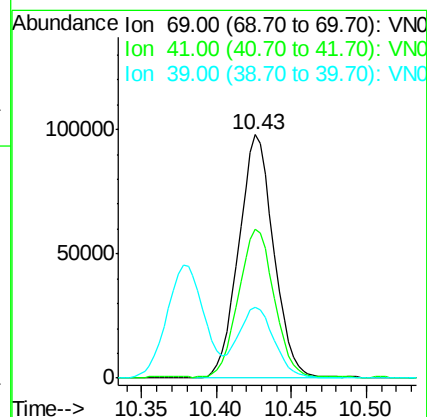
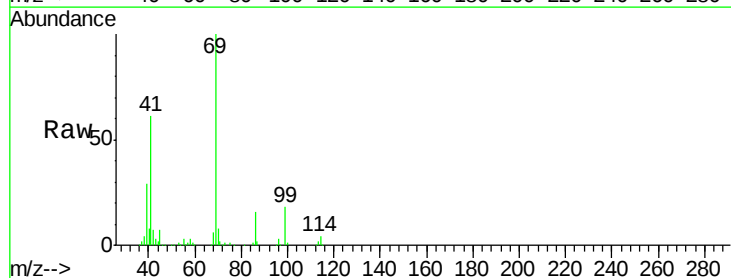
Instrument :
 MSVOA_N
 ClientSampled :
 VN0121MBS01

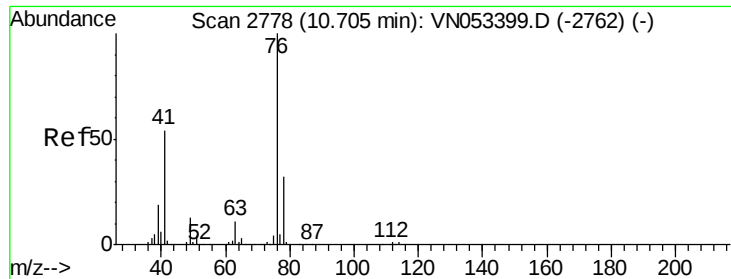
Tot Ion	Resp	Lower	Upper
97	100		
83	89.5	70.1	105.1
85	57.7	45.4	68.0
99	62.5	49.8	74.8



#56
 Ethyl methacrylate
 Concen: 18.774 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. -0.00 min
 Lab File: VN053498.D
 Acq: 21 Jan 2019 11:25

Tgt Ion	Resp	Lower	Upper
69	100		
41	62.3	49.4	74.0
39	29.9	23.3	34.9

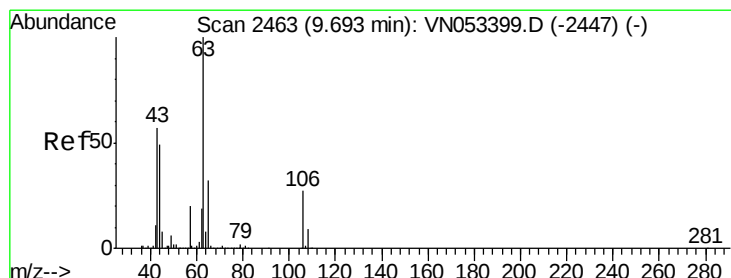
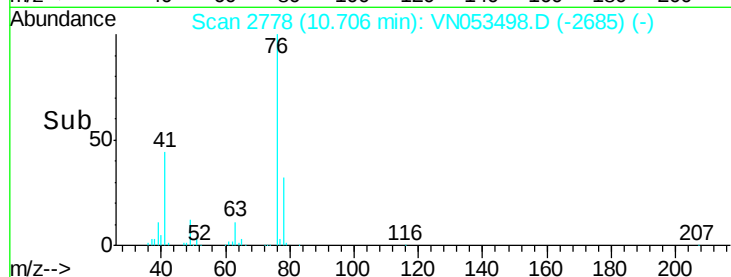
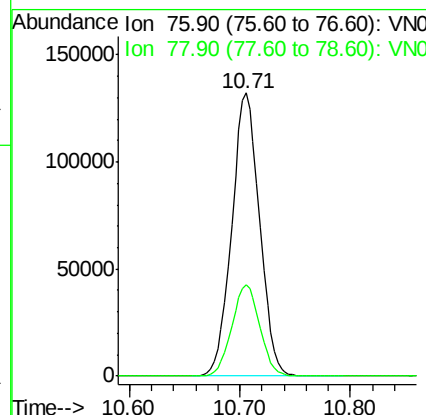
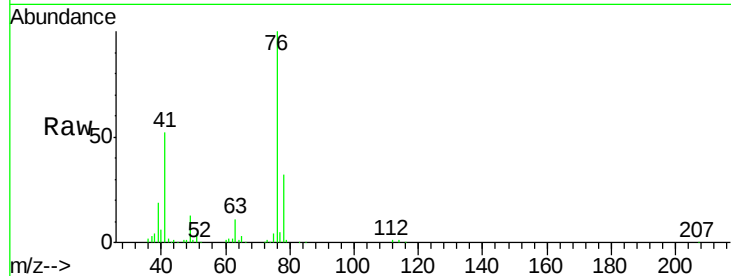




#57
 1,3-Dichloropropane
 Concen: 20.702 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN053498.D
 Acq: 21 Jan 2019 11:25

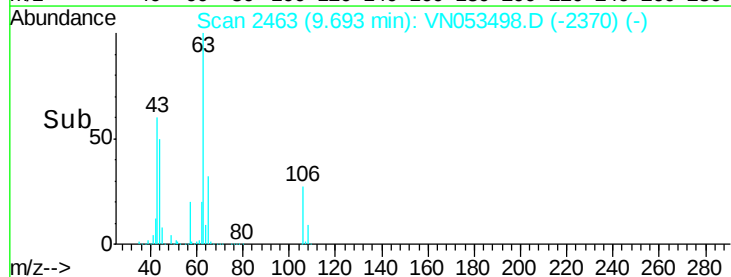
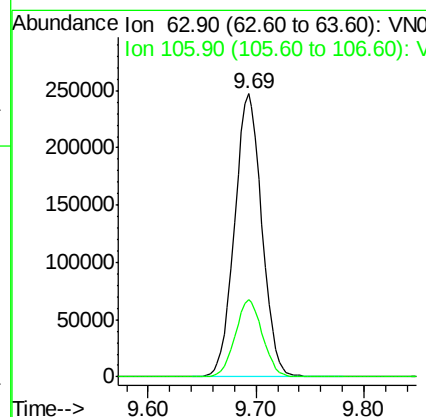
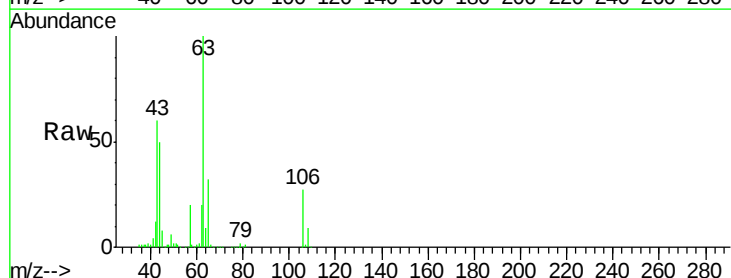
Instrument :
 MSVOA_N
 ClientSampled :
 VN0121MBS01

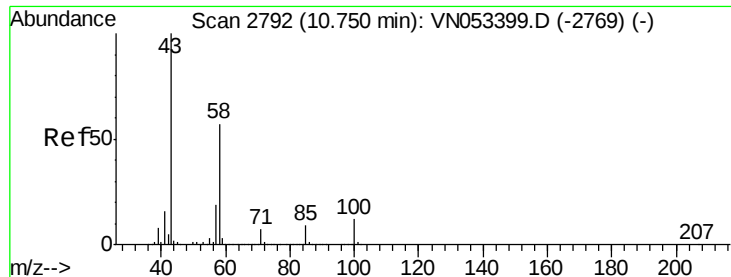
Tot Ion: 76 Resp: 231048
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.6 38.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 96.350 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. 0.00 min
 Lab File: VN053498.D
 Acq: 21 Jan 2019 11:25

Tgt Ion: 63 Resp: 434886
 Ion Ratio Lower Upper
 63 100
 106 27.3 21.5 32.3

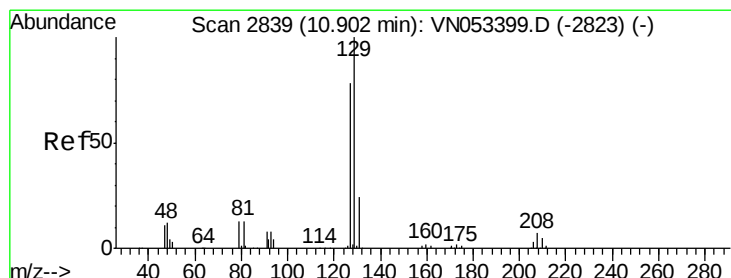
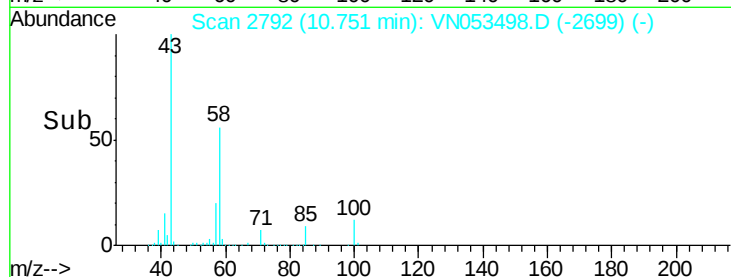
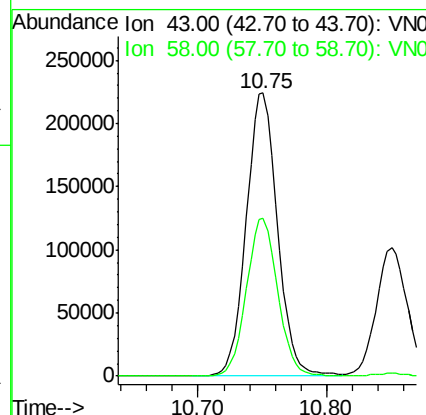
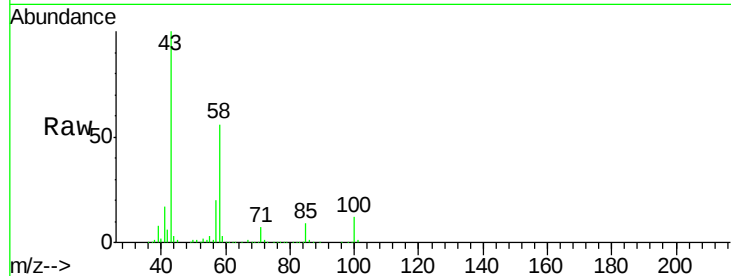




#59
2-Hexanone
Concen: 95.721 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN053498.D
Acq: 21 Jan 2019 11:25

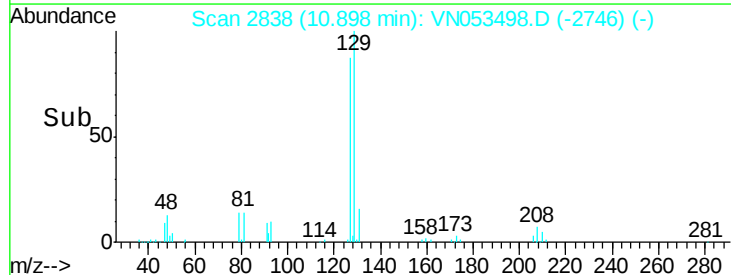
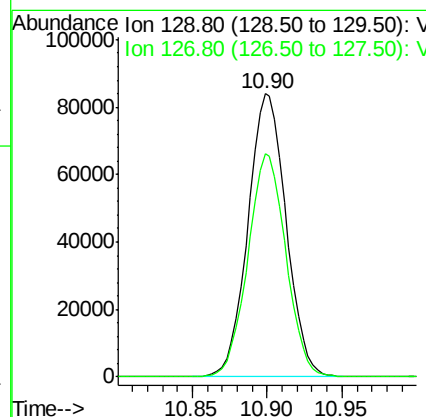
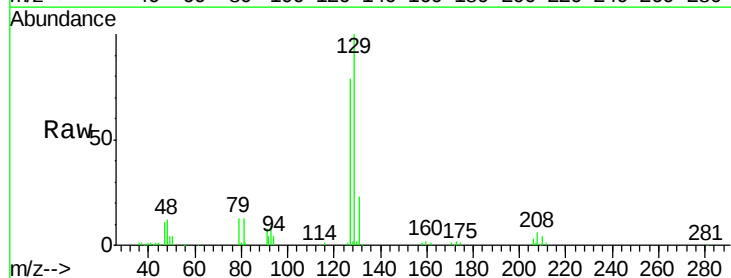
Instrument :
MSVOA_N
ClientSampled :
VN0121MBS01

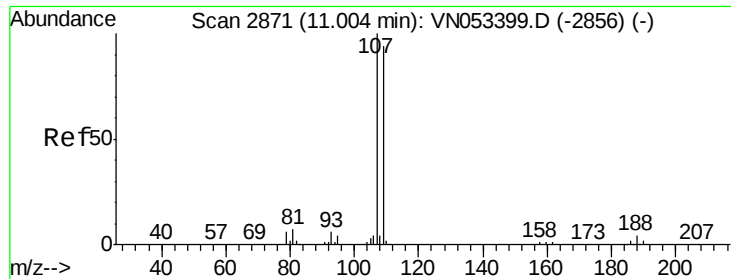
Tot Ion: 43 Resp: 376417
Ion Ratio Lower Upper
43 100
58 56.1 28.6 85.8



#60
Dibromochloromethane
Concen: 20.343 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. -0.00 min
Lab File: VN053498.D
Acq: 21 Jan 2019 11:25

Tgt Ion: 129 Resp: 148865
Ion Ratio Lower Upper
129 100
127 78.7 38.6 115.8





#61

1,2-Dibromoethane

Concen: 19.943 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN053498.D

Acq: 21 Jan 2019 11:25

Instrument :

MSVOA_N

ClientSampleId :

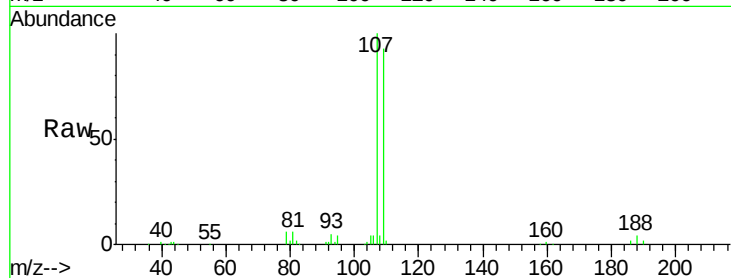
VN0121MBS01

Tot Ion:107 Resp: 130128

Ion Ratio Lower Upper

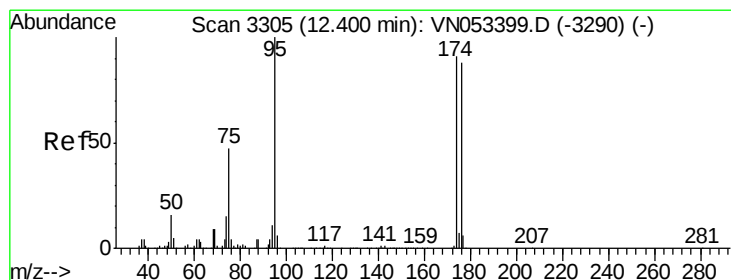
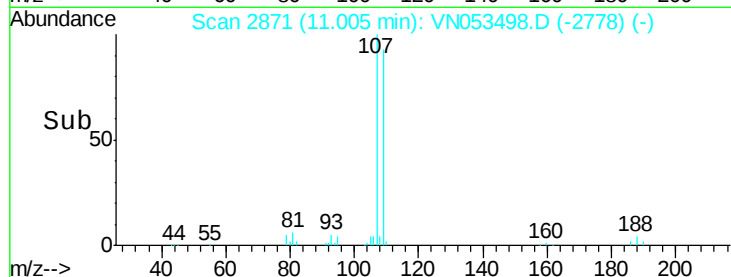
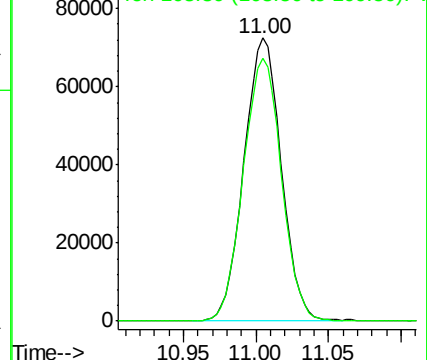
107 100

109 95.2 75.7 113.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 19.943 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN053498.D

Acq: 21 Jan 2019 11:25

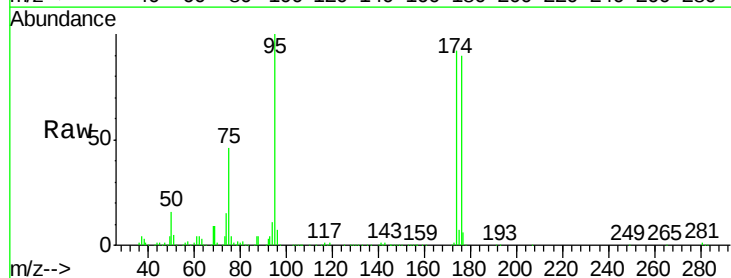
Tgt Ion: 95 Resp: 463907

Ion Ratio Lower Upper

95 100

174 91.9 0.0 183.2

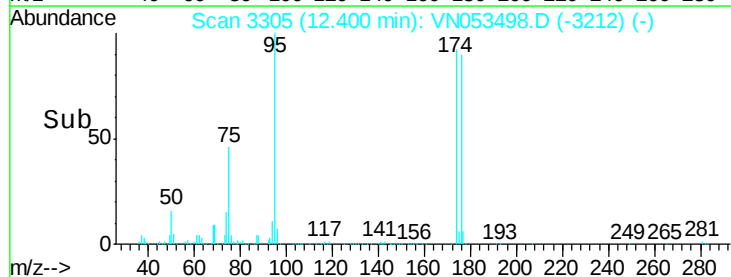
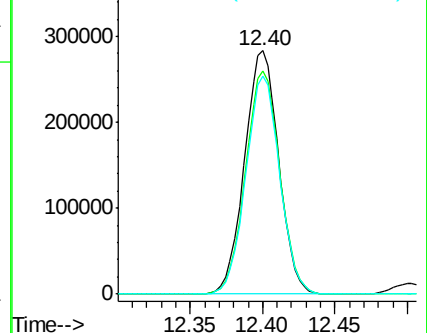
176 88.9 0.0 177.4

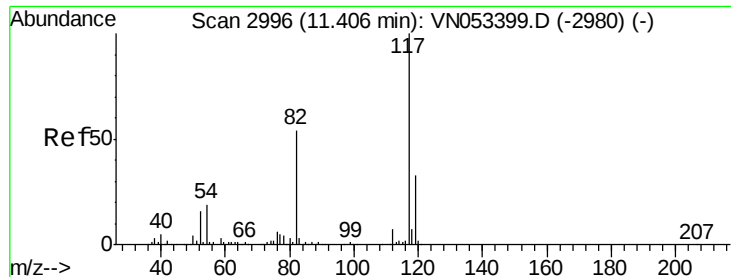


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

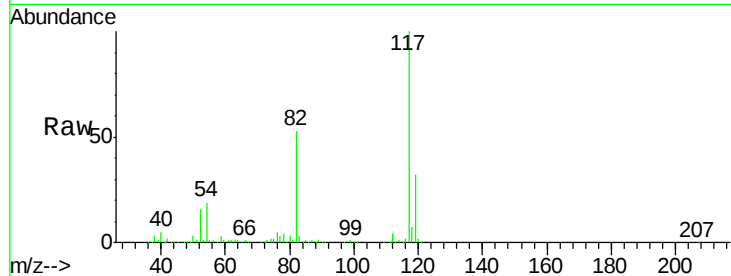




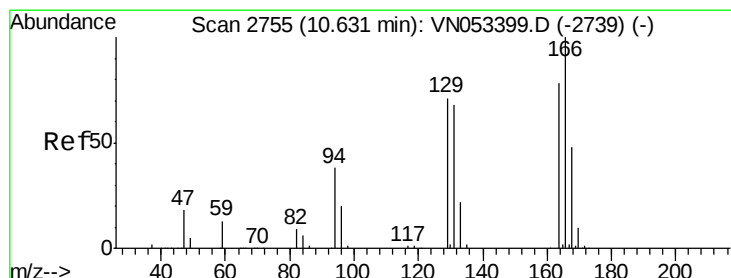
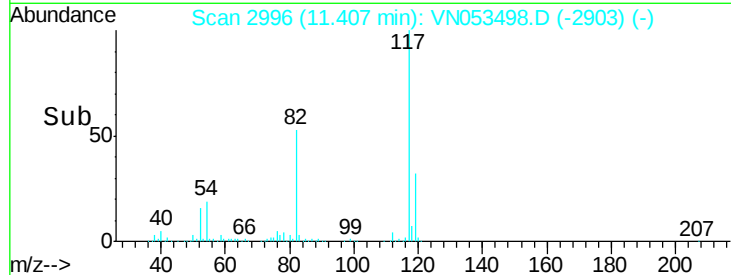
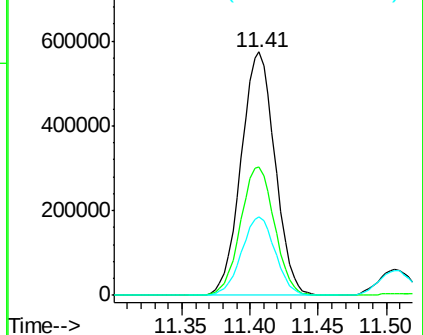
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053498.D
Acq: 21 Jan 2019 11:25

Instrument :
MSVOA_N
ClientSampleId :
VN0121MBS01

Tot Ion:117 Resp: 989368
Ion Ratio Lower Upper
117 100
82 52.7 42.9 64.3
119 32.4 26.0 39.0



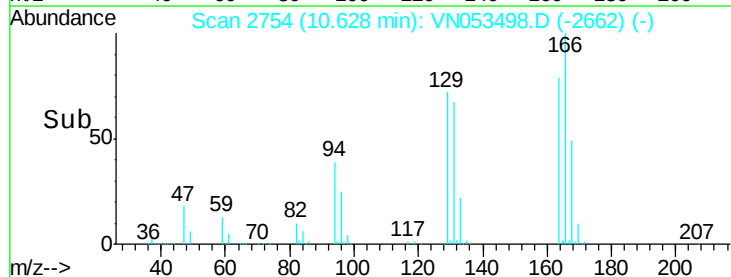
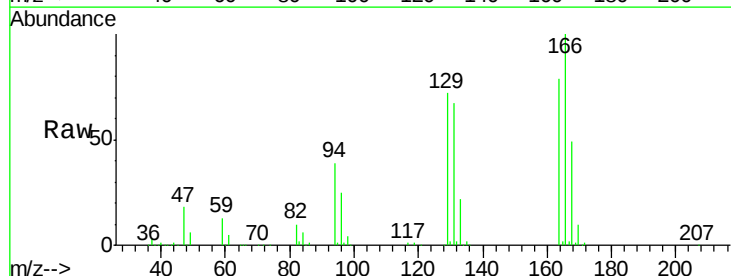
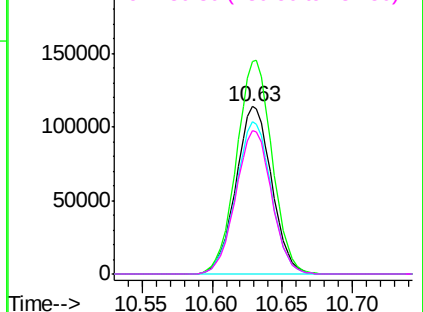
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

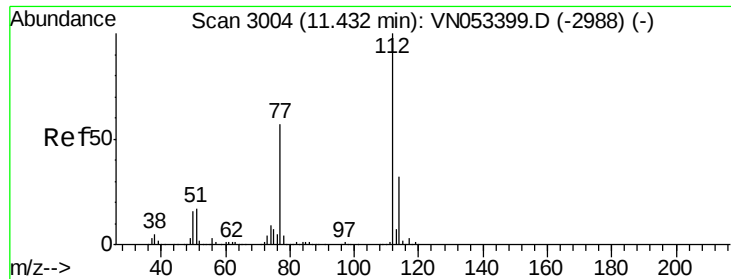


#64
Tetrachloroethene
Concen: 21.618 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN053498.D
Acq: 21 Jan 2019 11:25

Tgt Ion:164 Resp: 201560
Ion Ratio Lower Upper
164 100
166 126.7 102.2 153.4
129 90.7 72.6 109.0
131 85.4 69.5 104.3

Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

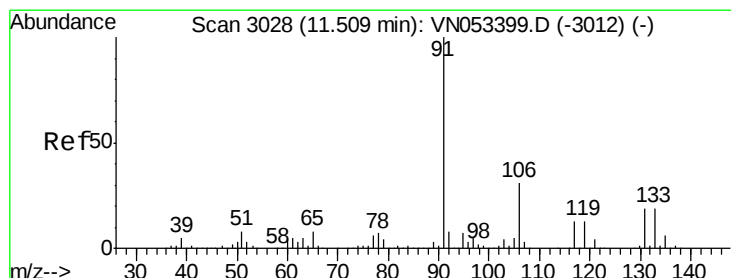
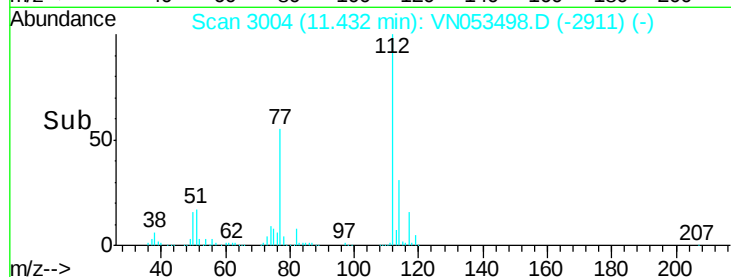
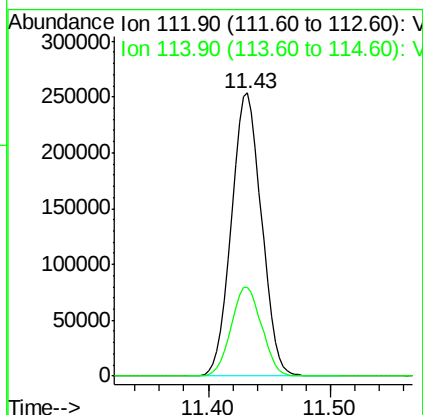
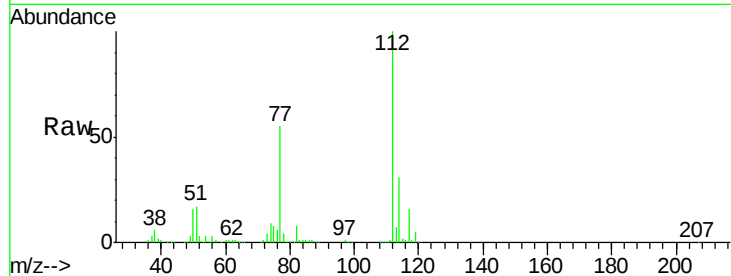




#65
Chlorobenzene
Concen: 20.771 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN053498.D
Acq: 21 Jan 2019 11:25

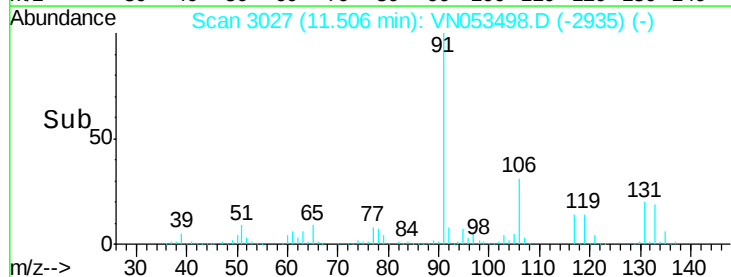
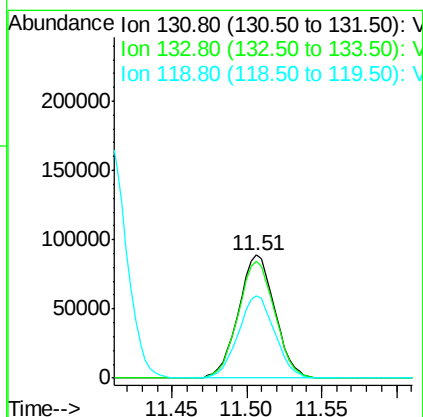
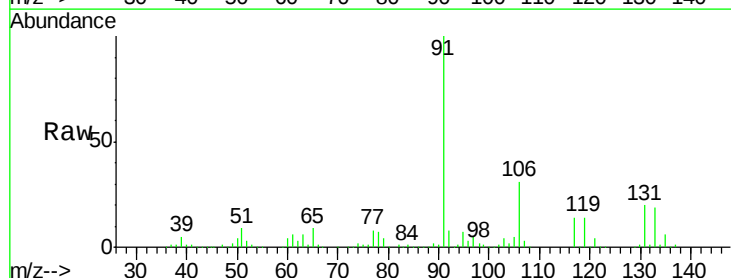
Instrument :
MSVOA_N
ClientSampled :
VN0121MBS01

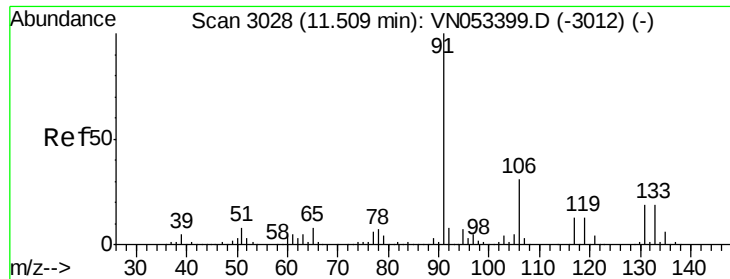
Tot Ion:112 Resp: 434983
Ion Ratio Lower Upper
112 100
114 31.4 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 20.697 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN053498.D
Acq: 21 Jan 2019 11:25

Tgt Ion:131 Resp: 150787
Ion Ratio Lower Upper
131 100
133 95.5 48.0 144.0
119 67.0 33.5 100.5





#67

Ethyl Benzene

Concen: 20.382 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN053498.D

Acq: 21 Jan 2019 11:25

Instrument :

MSVOA_N

ClientSampled :

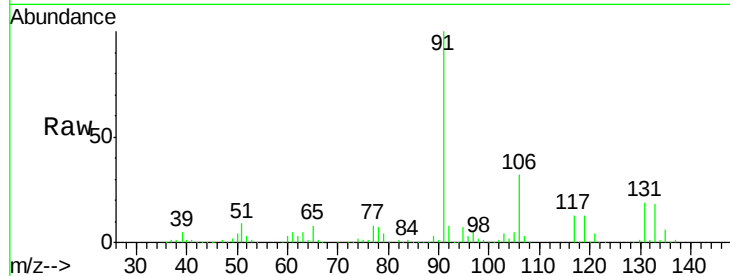
VN0121MBS01

Tot Ion: 91 Resp: 727409

Ion Ratio Lower Upper

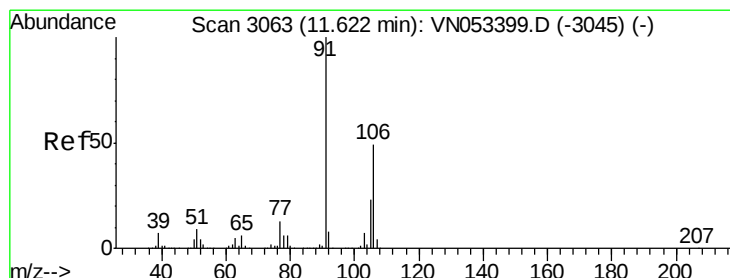
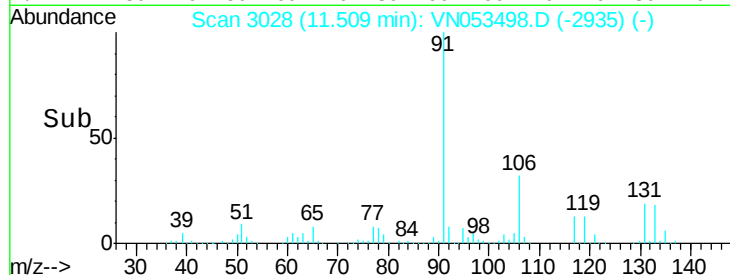
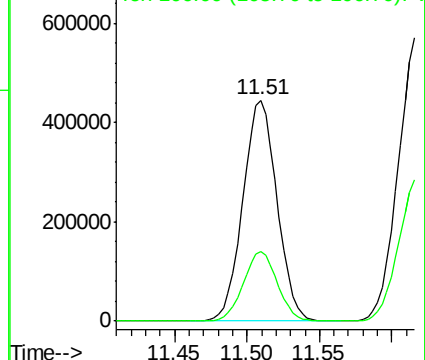
91 100

106 31.7 25.0 37.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 42.138 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN053498.D

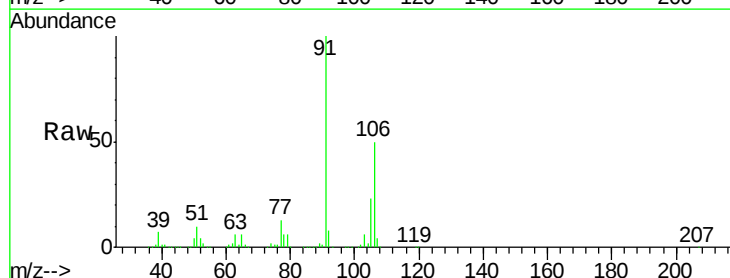
Acq: 21 Jan 2019 11:25

Tgt Ion:106 Resp: 567806

Ion Ratio Lower Upper

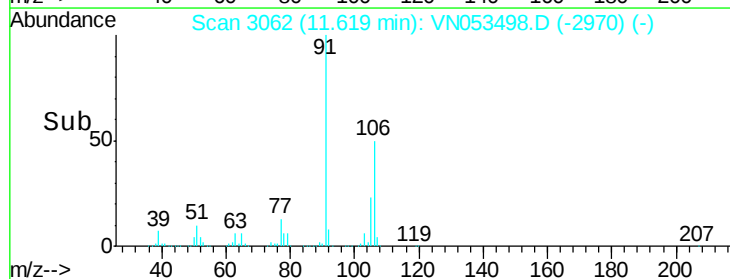
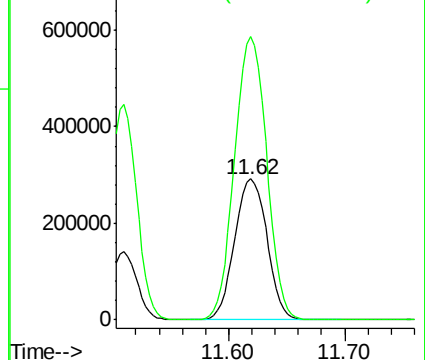
106 100

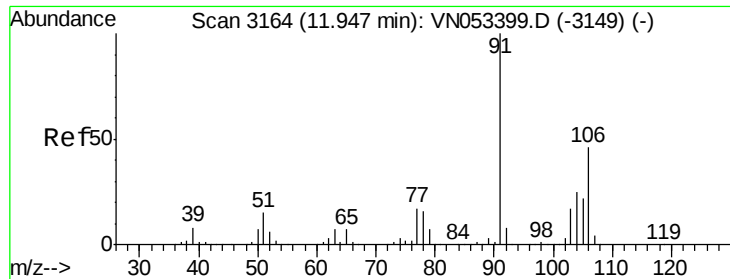
91 199.3 161.4 242.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0

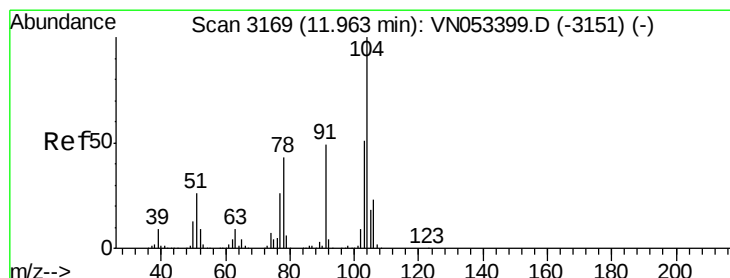
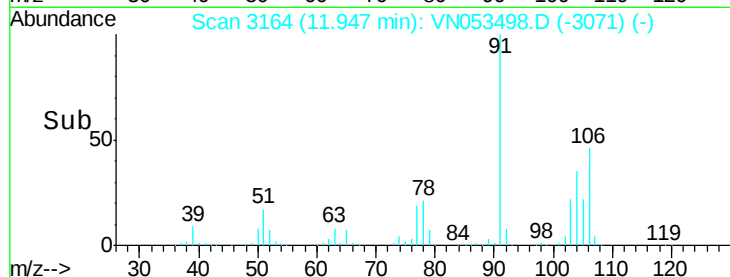
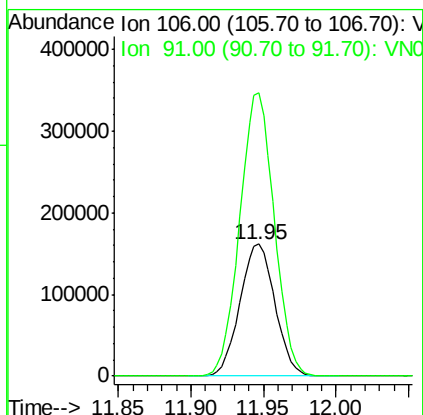
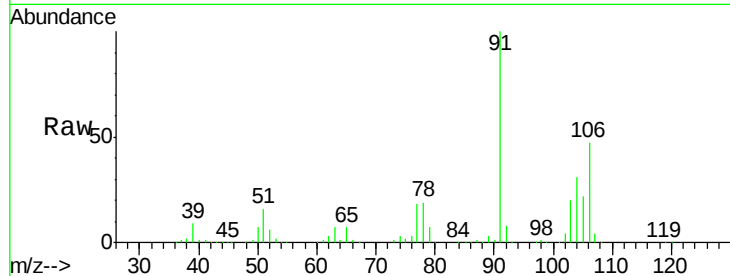




#69
o-Xylene
Concen: 20.746 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053498.D
Acq: 21 Jan 2019 11:25

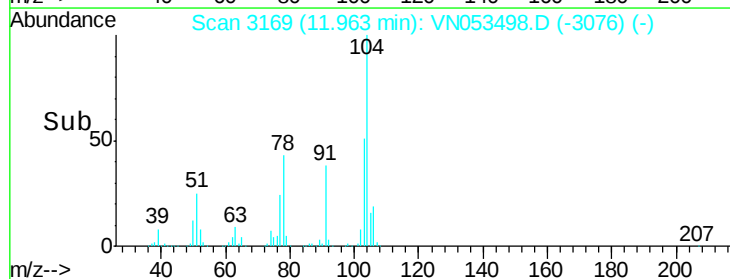
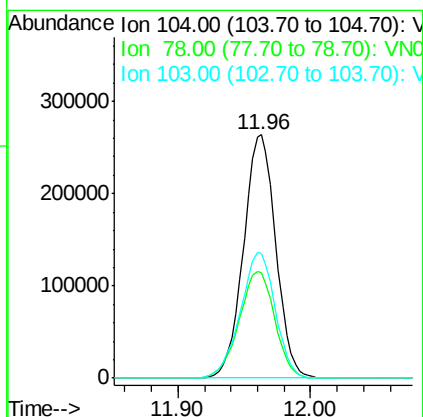
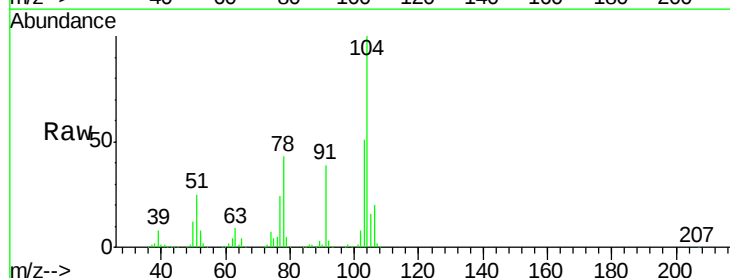
Instrument :
MSVOA_N
ClientSampleId :
VN0121MBS01

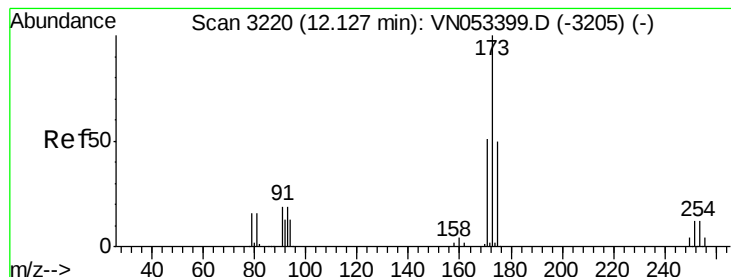
Tot Ion:106 Resp: 271638
Ion Ratio Lower Upper
106 100
91 211.1 106.9 320.8



#70
Styrene
Concen: 20.961 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN053498.D
Acq: 21 Jan 2019 11:25

Tgt Ion:104 Resp: 445420
Ion Ratio Lower Upper
104 100
78 48.3 38.2 57.2
103 56.0 44.4 66.6





#71

Bromoform

Concen: 20.300 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. -0.00 min

Lab File: VN053498.D

Acq: 21 Jan 2019 11:25

Instrument :

MSVOA_N

ClientSampleId :

VN0121MBS01

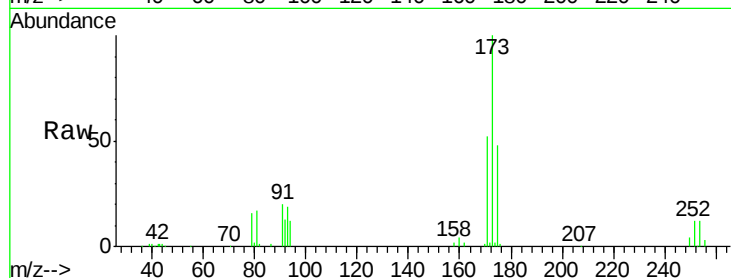
Tot Ion:173 Resp: 101817

Ion Ratio Lower Upper

173 100

175 48.4 24.6 74.0

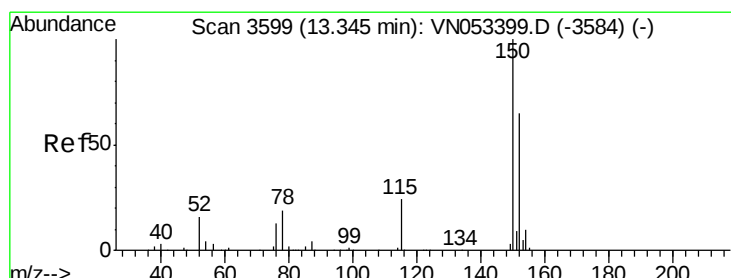
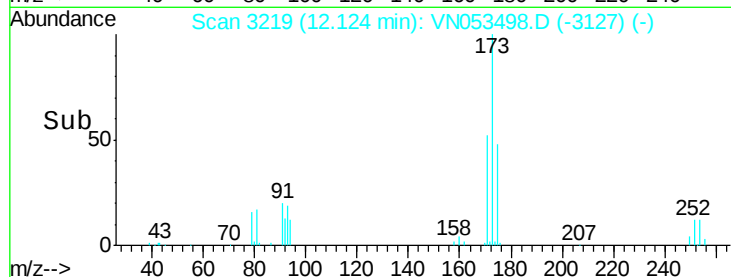
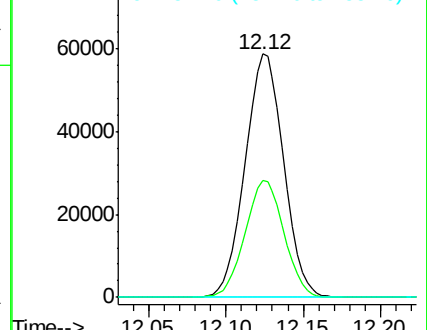
254 0.0 0.2 0.2#



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: VN053498.D

Acq: 21 Jan 2019 11:25

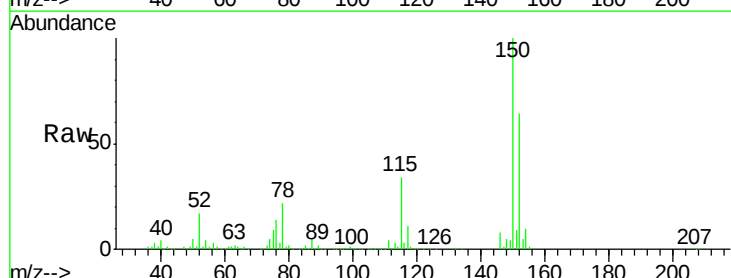
Tgt Ion:152 Resp: 492563

Ion Ratio Lower Upper

152 100

115 54.8 27.8 83.4

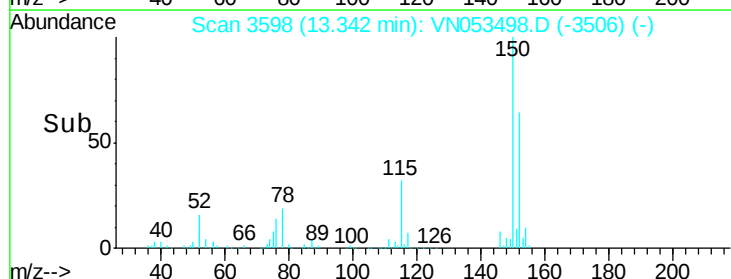
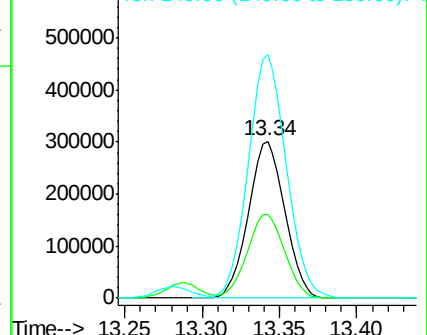
150 163.1 0.0 349.0

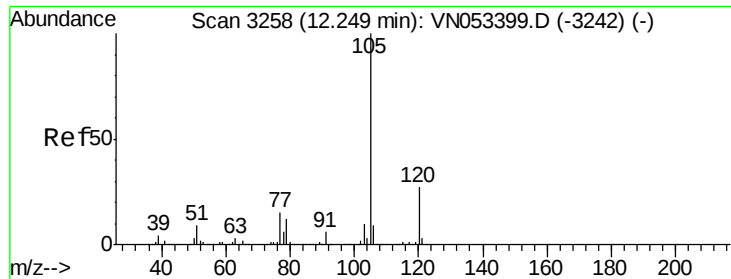


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.002 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN053498.D

Acq: 21 Jan 2019 11:25

Instrument :

MSVOA_N

ClientSampleId :

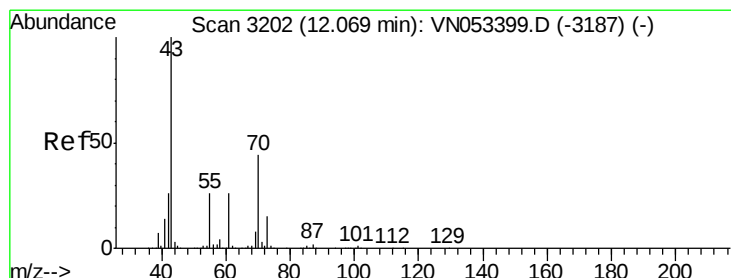
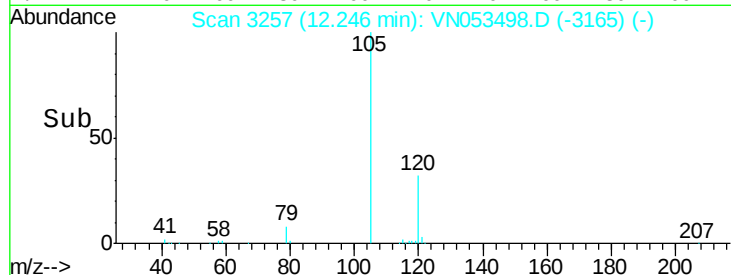
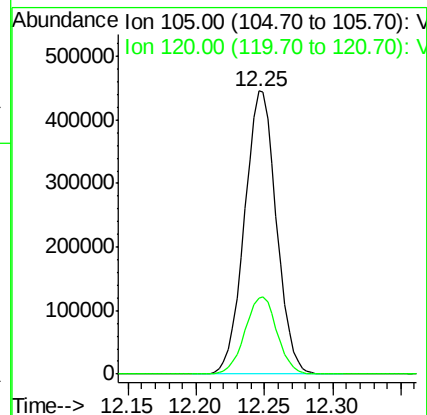
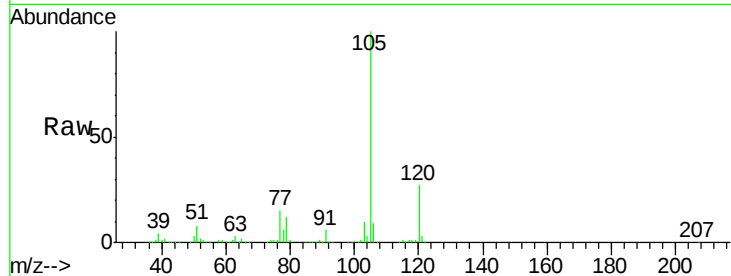
VN0121MBS01

Tot Ion:105 Resp: 721485

Ion Ratio Lower Upper

105 100

120 27.4 13.6 40.7



#74

N-ethyl acetate

Concen: 18.481 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. -0.00 min

Lab File: VN053498.D

Acq: 21 Jan 2019 11:25

Tgt Ion: 43 Resp: 177703

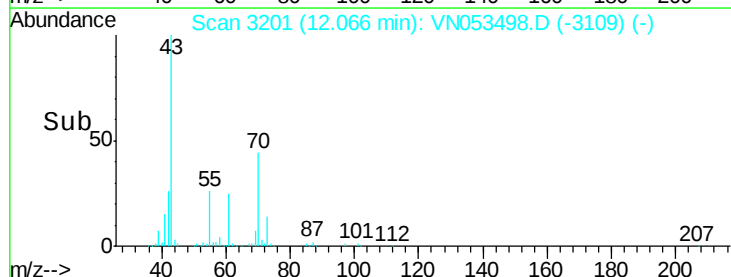
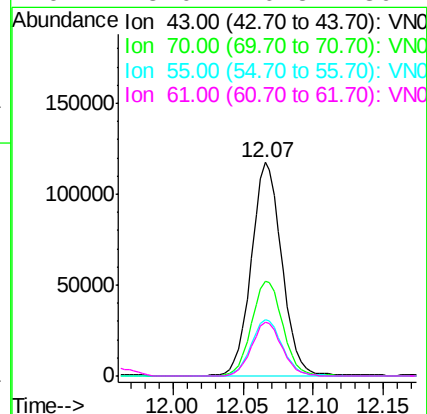
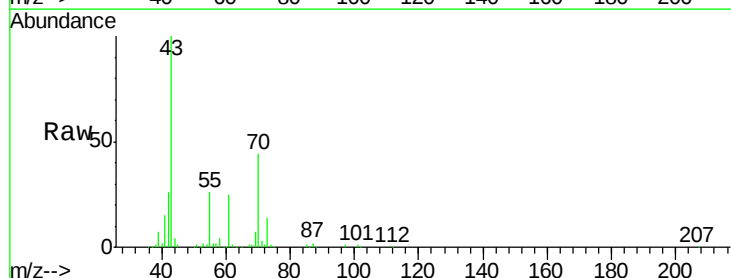
Ion Ratio Lower Upper

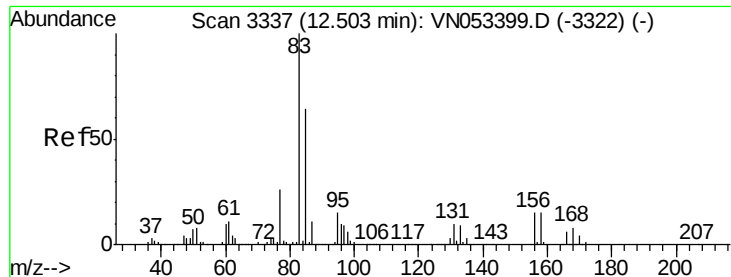
43 100

70 45.4 35.4 53.2

55 27.2 20.9 31.3

61 25.0 20.5 30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 18.233 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN053498.D

Acq: 21 Jan 2019 11:25

Instrument :

MSVOA_N

ClientSampled :

VN0121MBS01

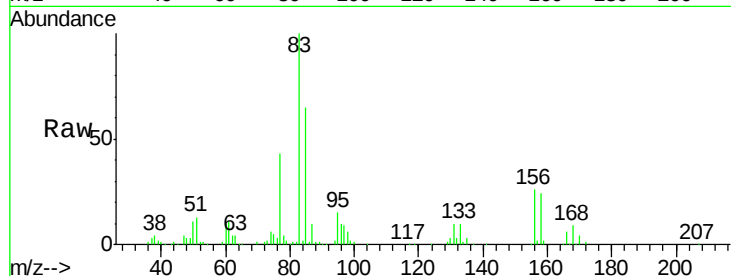
Tot Ion: 83 Resp: 137931

Ion Ratio Lower Upper

83 100

131 10.8 5.3 15.8

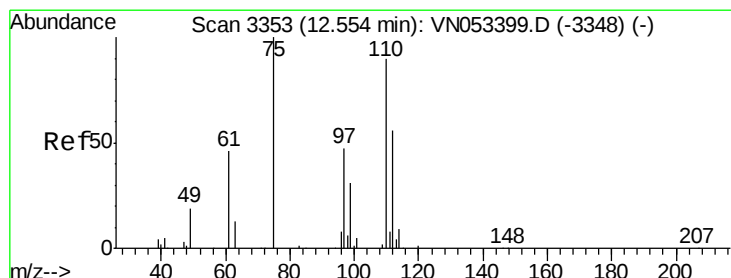
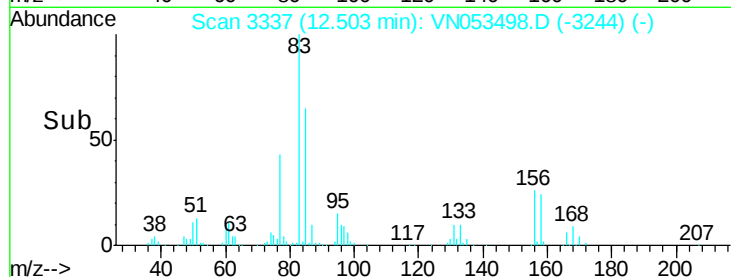
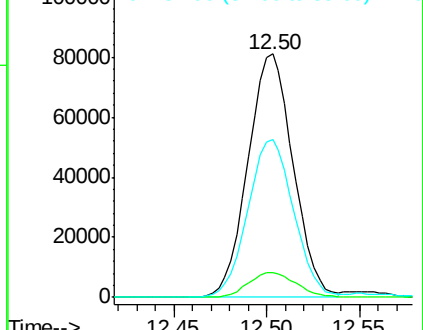
85 65.8 32.1 96.3



Abundance Ion 82.90 (82.60 to 83.60): VNO

Ion 130.80 (130.50 to 131.50): VNO

Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 30.416 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN053498.D

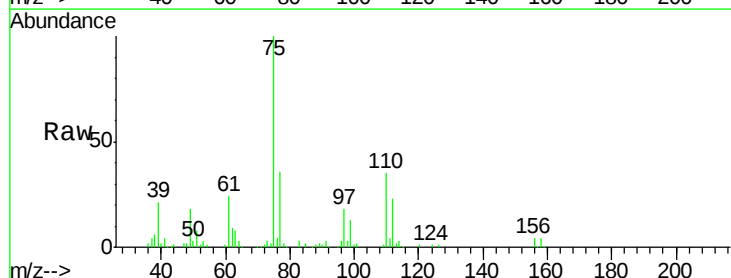
Acq: 21 Jan 2019 11:25

Tgt Ion: 75 Resp: 197433

Ion Ratio Lower Upper

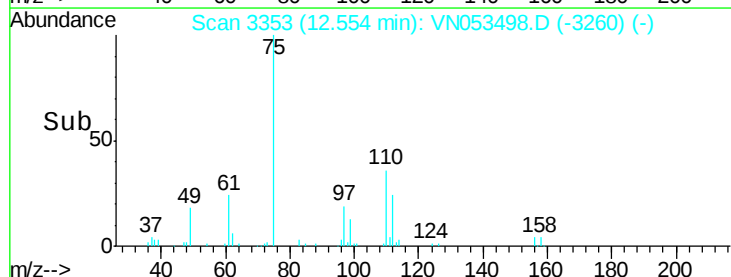
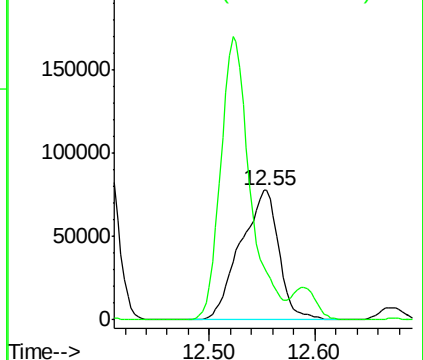
75 100

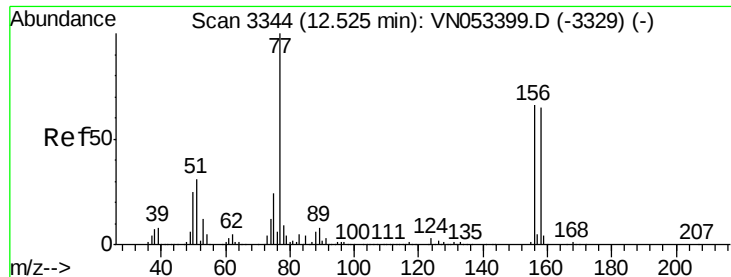
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 19.804 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VN053498.D

Acq: 21 Jan 2019 11:25

Instrument :

MSVOA_N

ClientSampleId :

VN0121MBS01

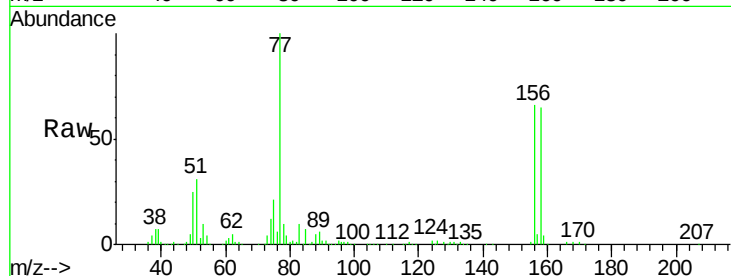
Tot Ion:156 Resp: 188236

Ion Ratio Lower Upper

156 100

77 175.6 87.9 263.8

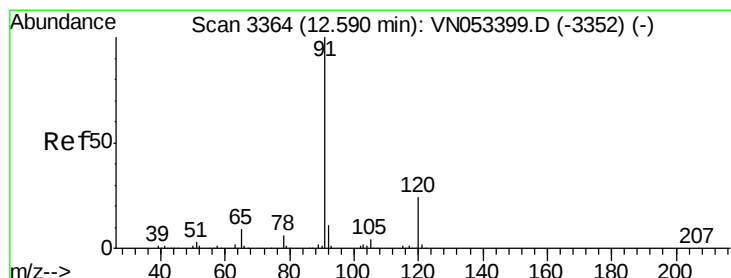
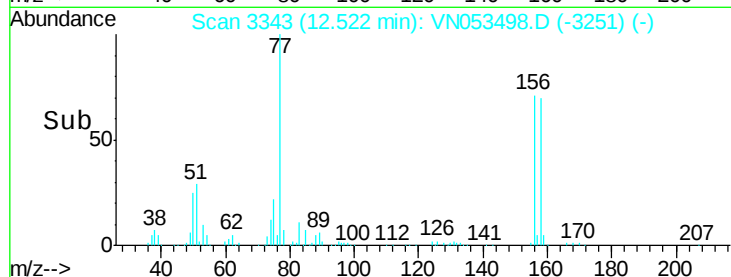
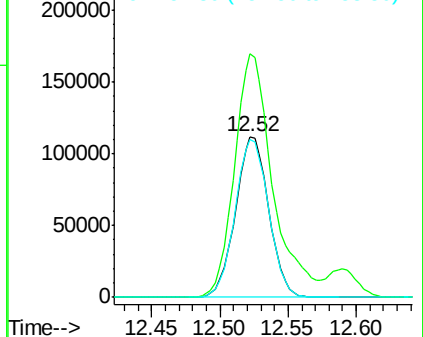
158 99.4 48.8 146.4



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: 20.230 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN053498.D

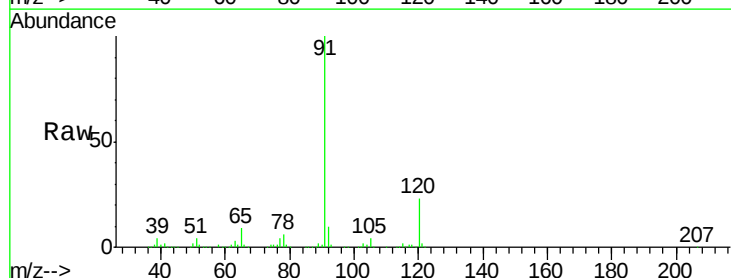
Acq: 21 Jan 2019 11:25

Tgt Ion: 91 Resp: 837613

Ion Ratio Lower Upper

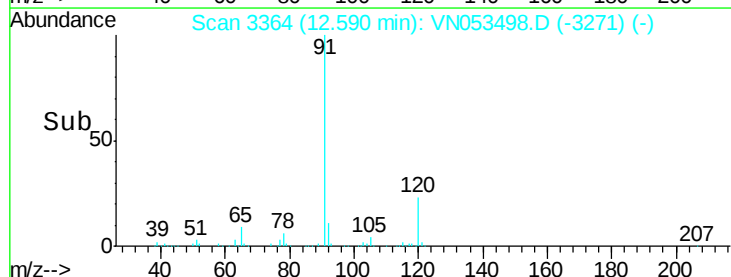
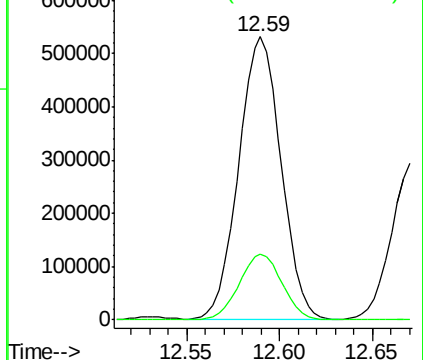
91 100

120 23.6 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.116 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN053498.D

Acq: 21 Jan 2019 11:25

Instrument :

MSVOA_N

ClientSampleId :

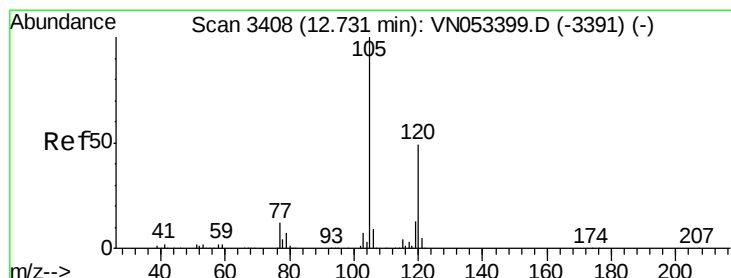
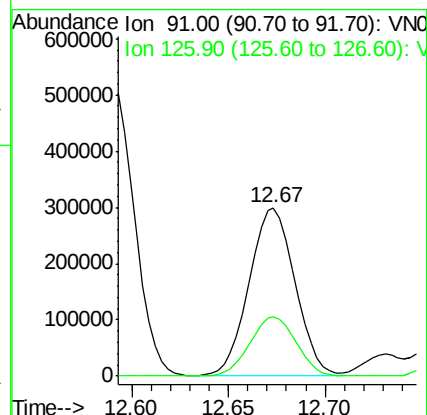
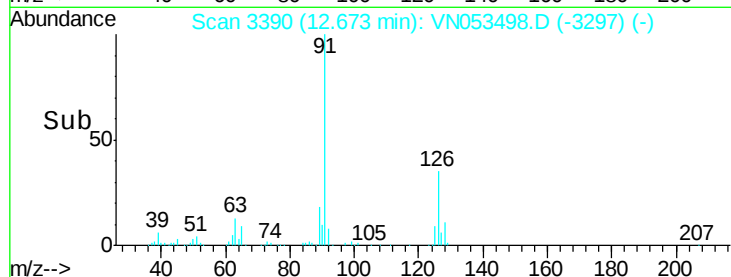
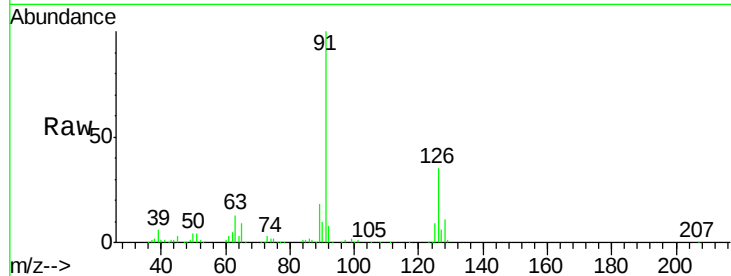
VN0121MBS01

Tot Ion: 91 Resp: 493689

Ion Ratio Lower Upper

91 100

126 35.7 17.9 53.7



#80

1,3,5-Trimethylbenzene

Concen: 20.502 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN053498.D

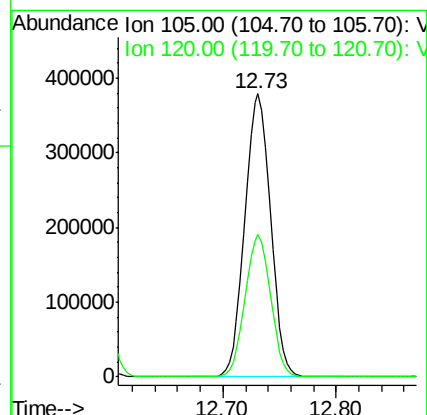
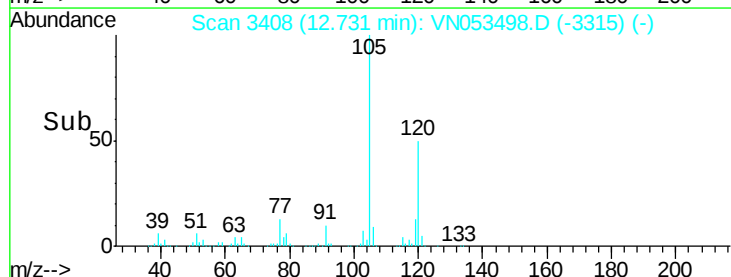
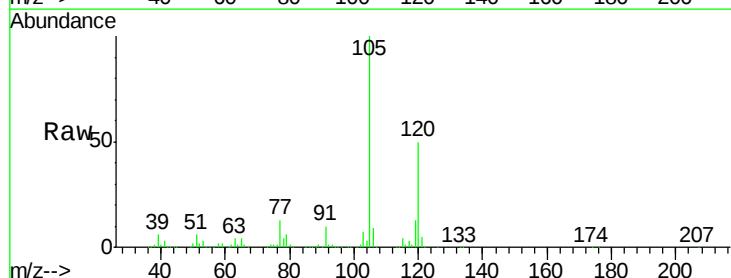
Acq: 21 Jan 2019 11:25

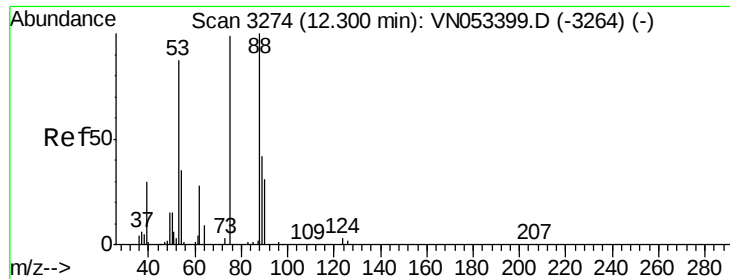
Tgt Ion: 105 Resp: 601692

Ion Ratio Lower Upper

105 100

120 50.0 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 18.277 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. -0.00 min

Lab File: VN053498.D

Acq: 21 Jan 2019 11:25

Instrument :

MSVOA_N

ClientSampleId :

VN0121MBS01

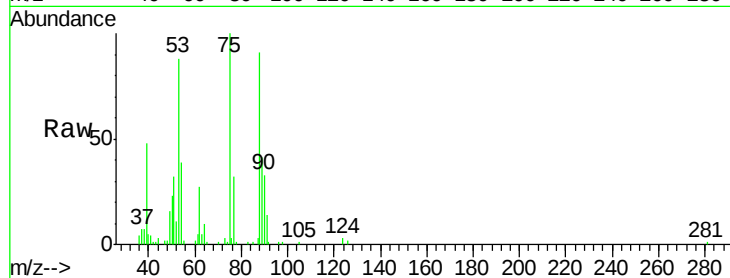
Tot Ion: 75 Resp: 42536

Ion Ratio Lower Upper

75 100

53 93.2 69.8 104.6

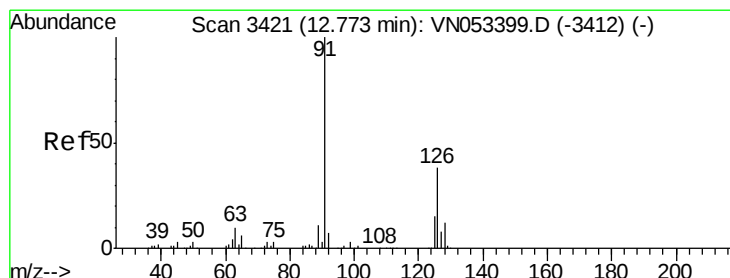
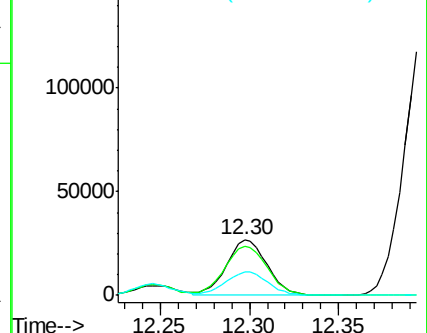
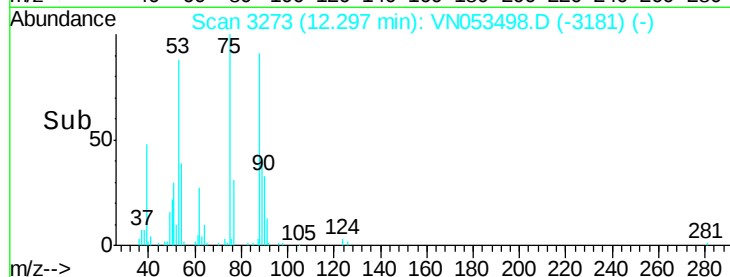
89 43.1 35.6 53.4



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: 20.252 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. -0.00 min

Lab File: VN053498.D

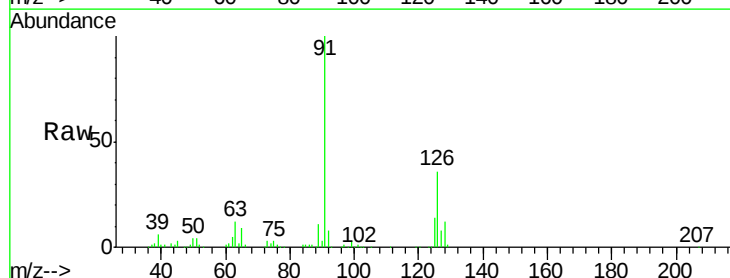
Acq: 21 Jan 2019 11:25

Tgt Ion: 91 Resp: 506860

Ion Ratio Lower Upper

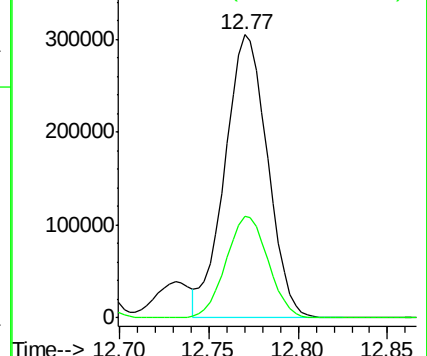
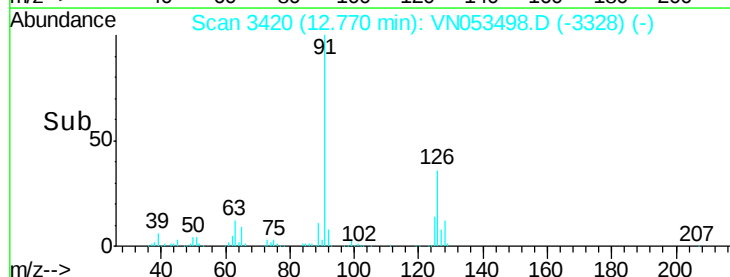
91 100

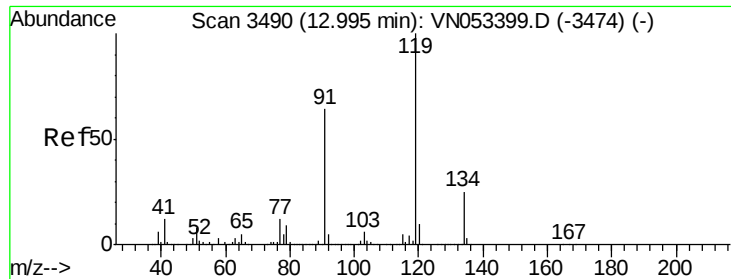
126 35.5 17.6 52.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

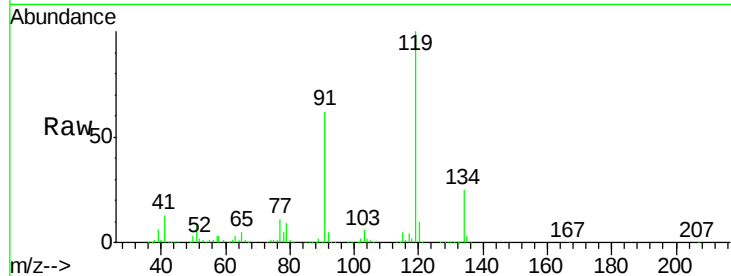




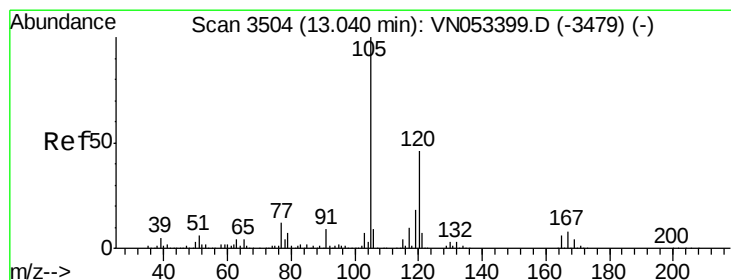
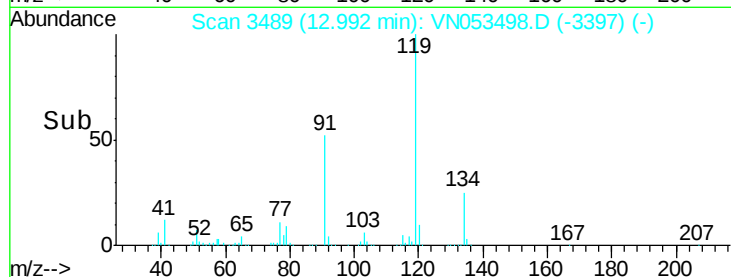
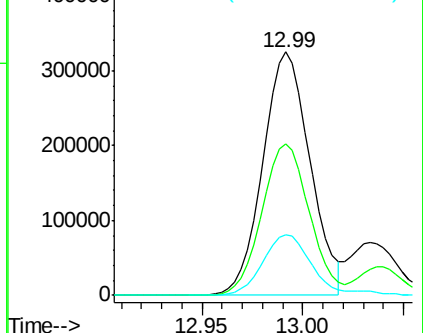
#83
 tert-Butylbenzene
 Concen: 20.437 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. -0.00 min
 Lab File: VN053498.D
 Acq: 21 Jan 2019 11:25

Instrument :
 MSVOA_N
 ClientSampled :
 VN0121MBS01

Tot Ion:119 Resp: 529744
 Ion Ratio Lower Upper
 119 100
 91 62.6 31.3 93.8
 134 26.2 12.9 38.7

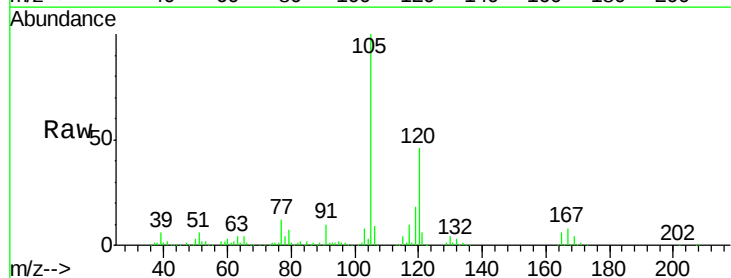


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

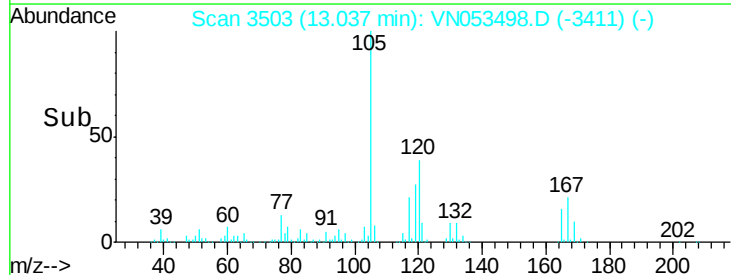
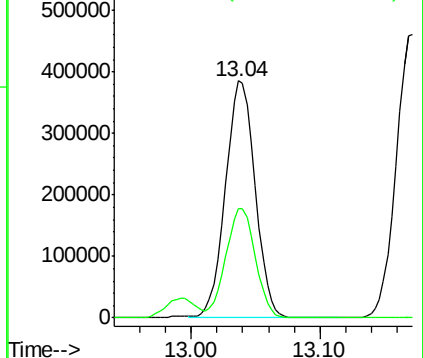


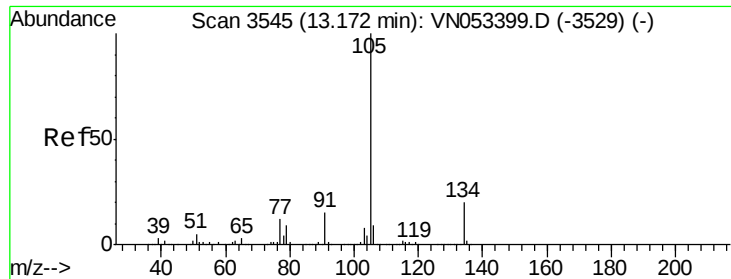
#84
 1,2,4-Trimethylbenzene
 Concen: 20.747 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. -0.00 min
 Lab File: VN053498.D
 Acq: 21 Jan 2019 11:25

Tgt Ion:105 Resp: 613955
 Ion Ratio Lower Upper
 105 100
 120 46.0 23.0 69.0



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





#85

sec-Butylbenzene

Concen: 20.457 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053498.D

Acq: 21 Jan 2019 11:25

Instrument :

MSVOA_N

ClientSampled :

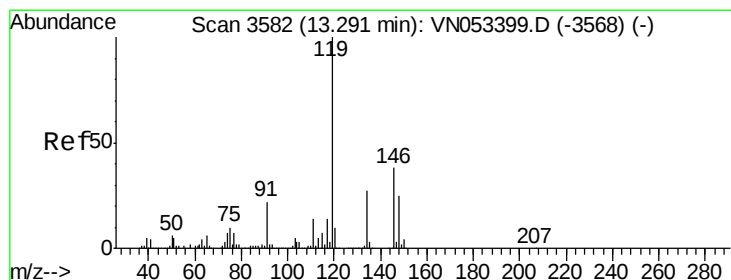
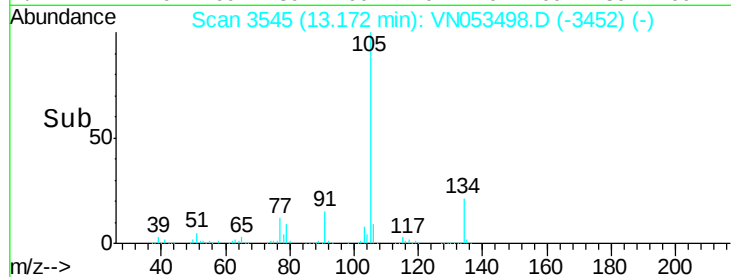
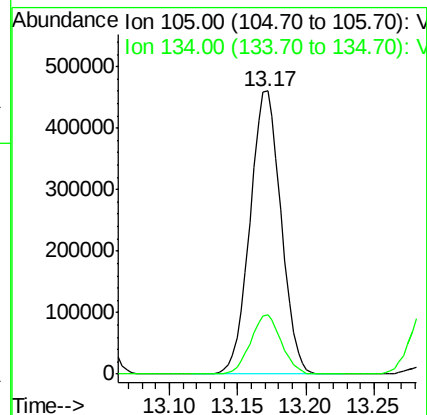
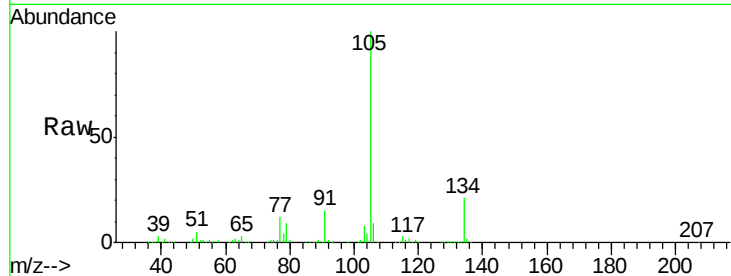
VN0121MBS01

Tot Ion:105 Resp: 727220

Ion Ratio Lower Upper

105 100

134 20.8 10.2 30.6



#86

p-Isopropyltoluene

Concen: 20.720 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN053498.D

Acq: 21 Jan 2019 11:25

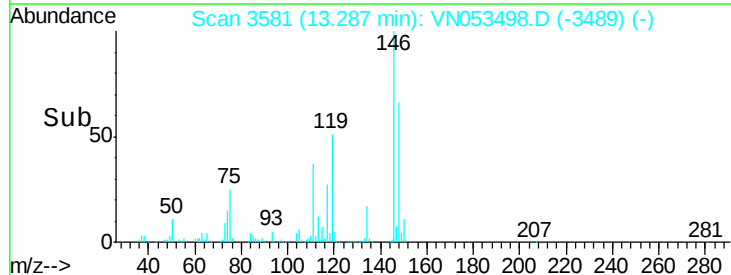
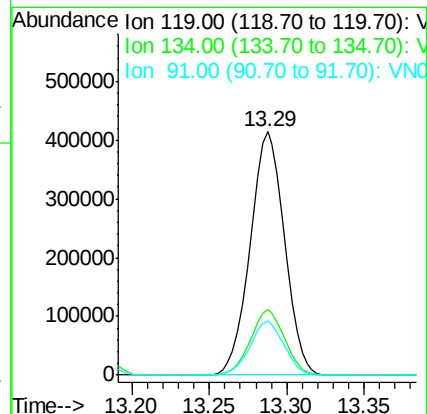
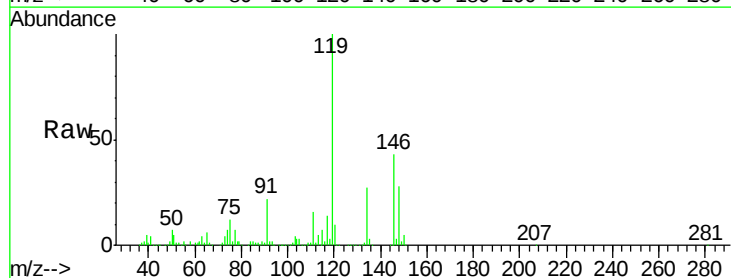
Tgt Ion:119 Resp: 639555

Ion Ratio Lower Upper

119 100

134 26.7 13.5 40.4

91 21.8 11.0 33.0





#87

1,3-Dichlorobenzene

Concen: 20.469 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN053498.D

Acq: 21 Jan 2019 11:25

Instrument :

MSVOA_N

ClientSampled :

VN0121MBS01

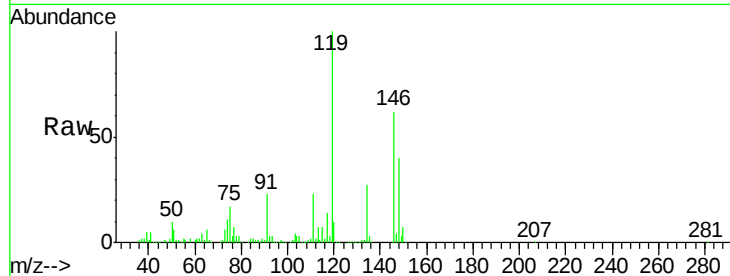
Tot Ion:146 Resp: 342228

Ion Ratio Lower Upper

146 100

111 37.5 18.8 56.3

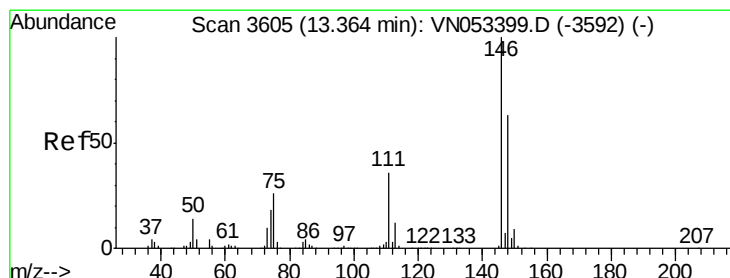
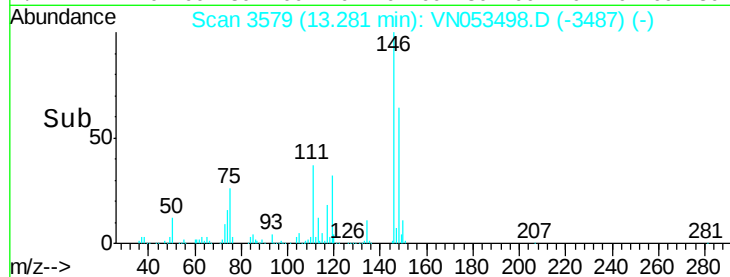
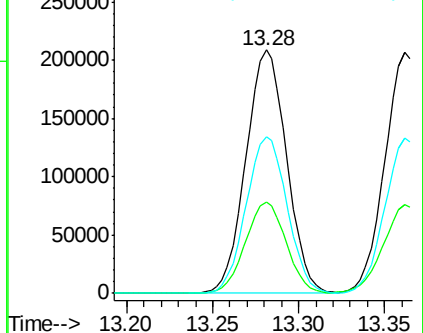
148 64.9 32.0 96.2



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: 20.132 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. -0.00 min

Lab File: VN053498.D

Acq: 21 Jan 2019 11:25

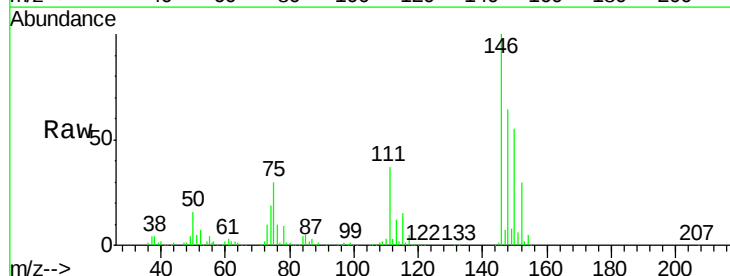
Tgt Ion:146 Resp: 337629

Ion Ratio Lower Upper

146 100

111 37.3 18.6 55.8

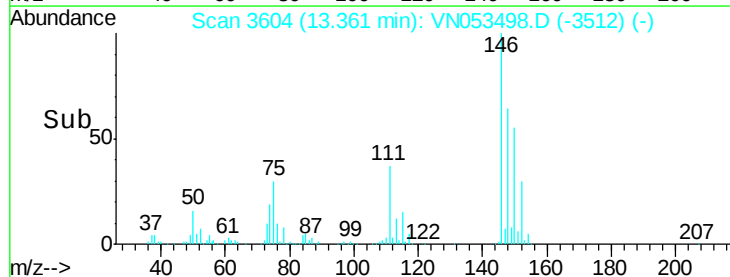
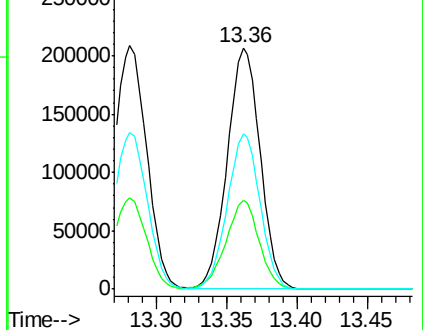
148 64.1 32.4 97.0

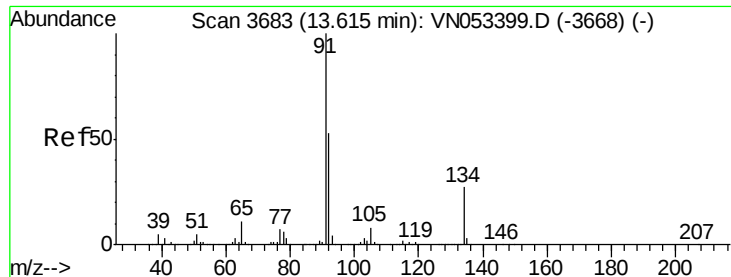


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 19.968 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN053498.D

Acq: 21 Jan 2019 11:25

Instrument :

MSVOA_N

ClientSampleId :

VN0121MBS01

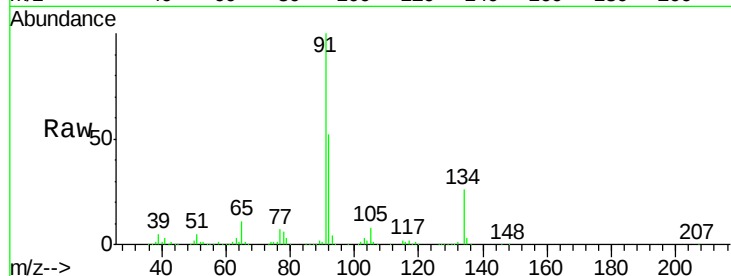
Tot Ion: 91 Resp: 525378

Ion Ratio Lower Upper

91 100

92 52.0 26.3 78.8

134 26.7 13.5 40.5

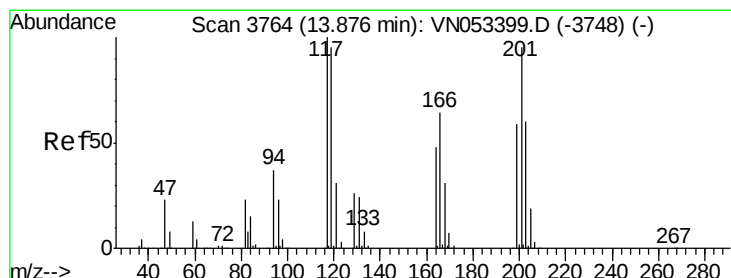
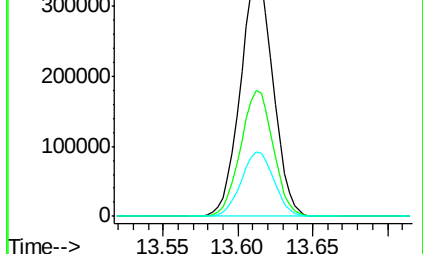
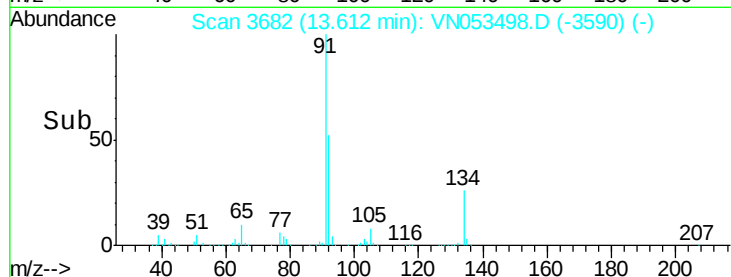


Abundance Ion 91.00 (90.70 to 91.70): VN053399.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN053399.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN053399.D (-3668) (-)

Time-->



#90

Hexachloroethane

Concen: 19.666 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN053498.D

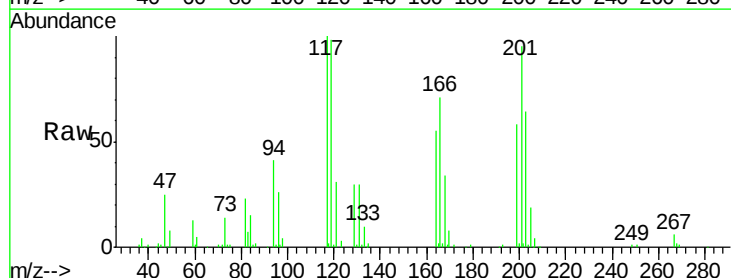
Acq: 21 Jan 2019 11:25

Tgt Ion: 117 Resp: 95203

Ion Ratio Lower Upper

117 100

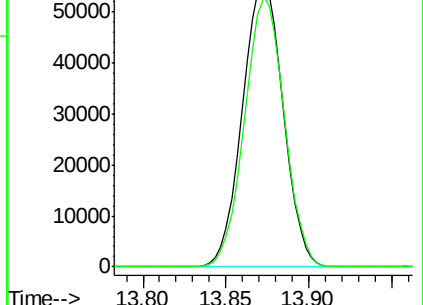
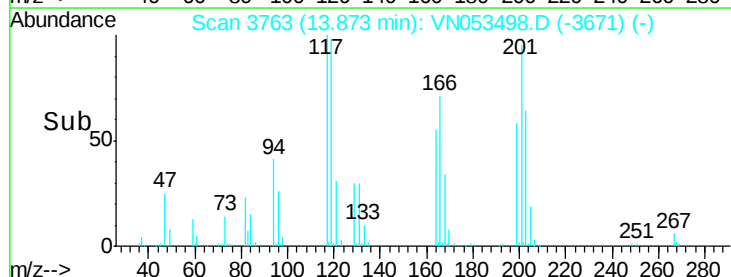
201 92.7 46.8 140.4

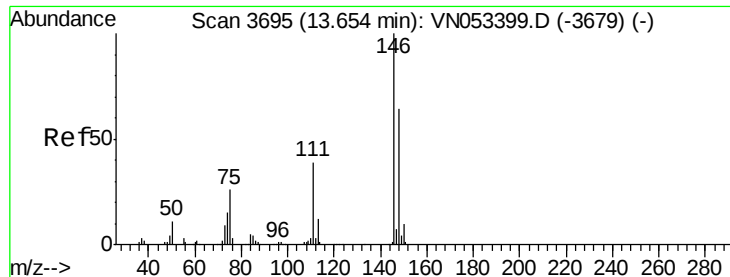


Abundance Ion 116.80 (116.50 to 117.50): VN053399.D (-3748) (-)

Ion 200.70 (200.40 to 201.40): VN053399.D (-3748) (-)

Time-->





#91

1,2-Dichlorobenzene

Concen: 21.103 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN053498.D

Acq: 21 Jan 2019 11:25

Instrument :

MSVOA_N

ClientSampled :

VN0121MBS01

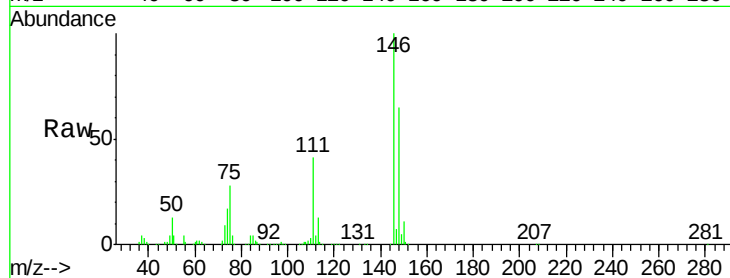
Tot Ion:146 Resp: 324594

Ion Ratio Lower Upper

146 100

111 39.7 19.5 58.5

148 63.7 31.9 95.9

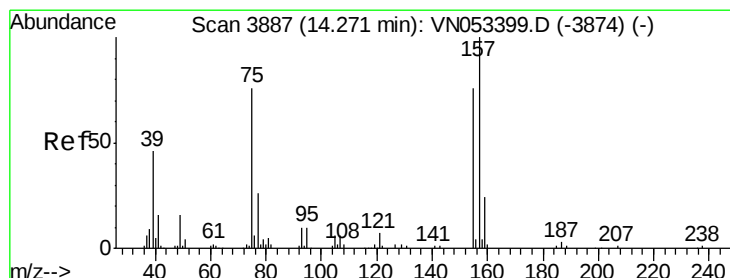
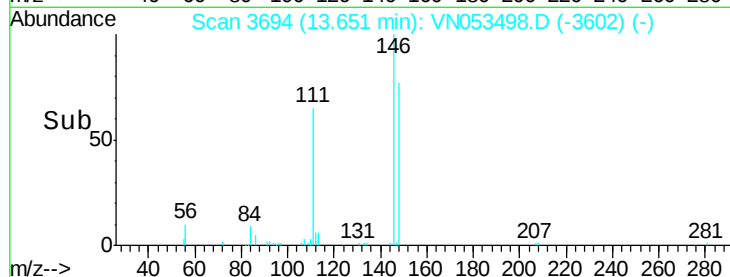
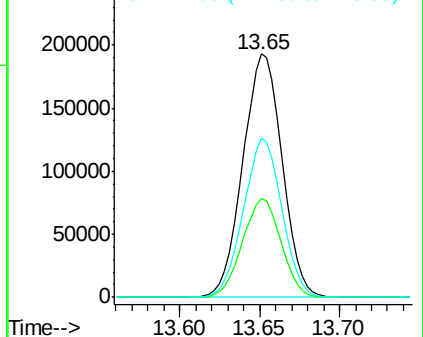


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.602 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN053498.D

Acq: 21 Jan 2019 11:25

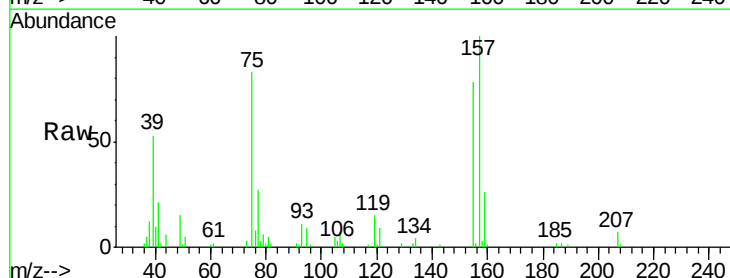
Tgt Ion: 75 Resp: 19762

Ion Ratio Lower Upper

75 100

155 95.4 48.9 146.7

157 123.6 63.7 191.3

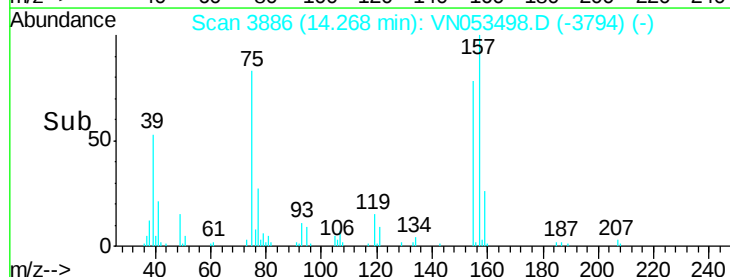
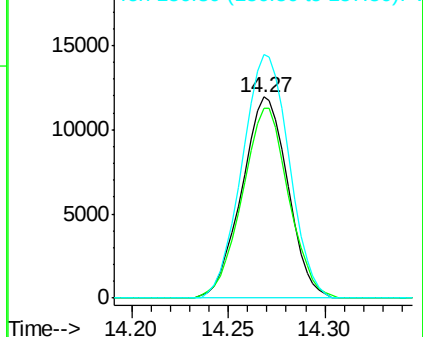


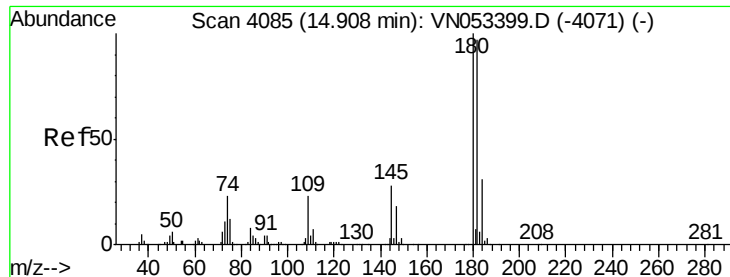
Abundance

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

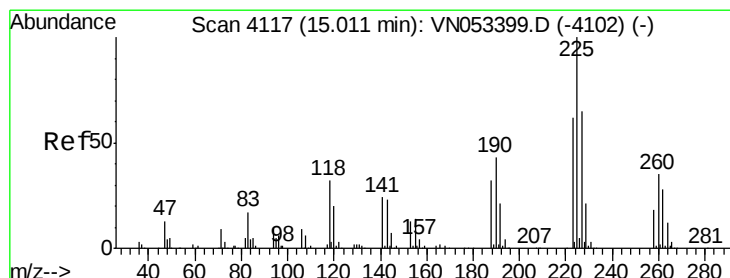
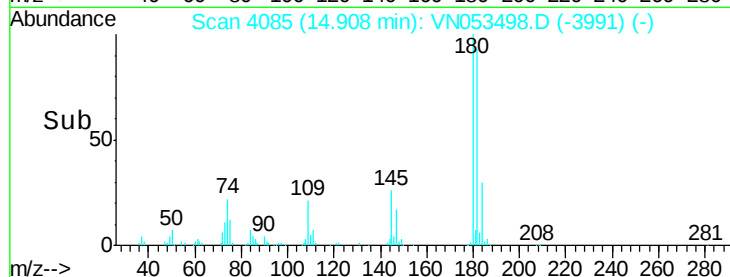
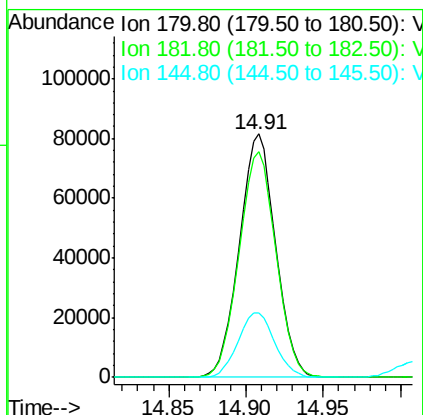
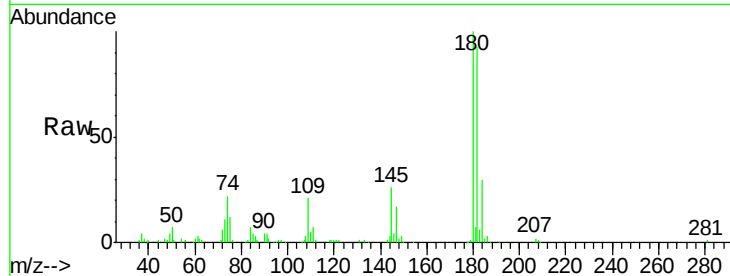




#93
 1,2,4-Trichlorobenzene
 Concen: 21.218 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN053498.D
 Acq: 21 Jan 2019 11:25

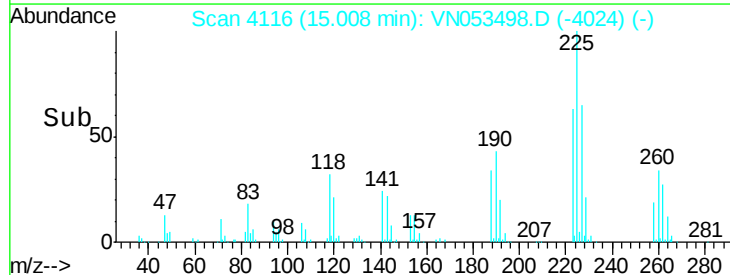
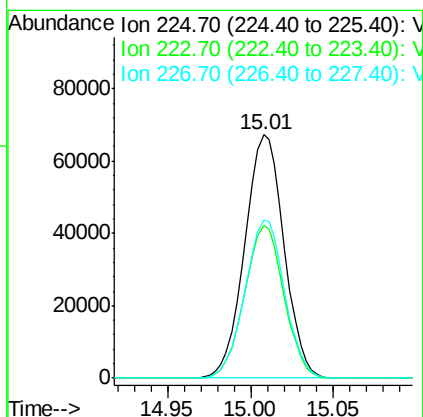
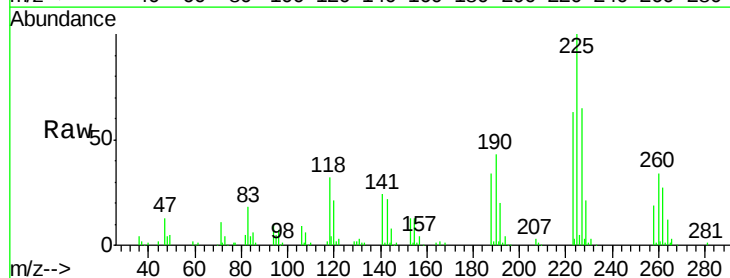
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0121MBS01

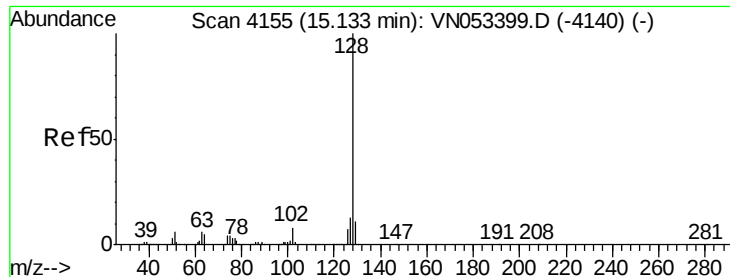
Tot Ion:180 Resp: 132563
 Ion Ratio Lower Upper
 180 100
 182 94.6 48.1 144.3
 145 26.9 13.9 41.6



#94
 Hexachlorobutadiene
 Concen: 23.031 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN053498.D
 Acq: 21 Jan 2019 11:25

Tgt Ion:225 Resp: 110507
 Ion Ratio Lower Upper
 225 100
 223 62.8 31.1 93.2
 227 65.7 32.0 96.2





#95

Naphthalene

Concen: 19.226 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN053498.D

Acq: 21 Jan 2019 11:25

Instrument :

MSVOA_N

ClientSampled :

VN0121MBS01

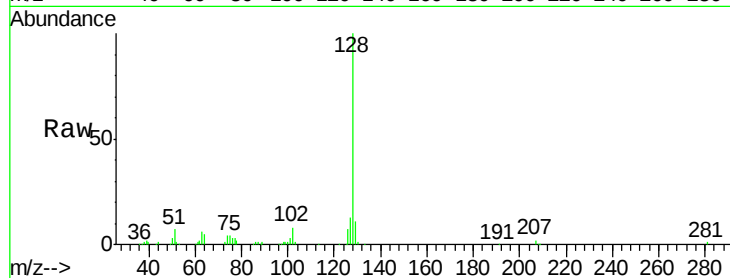
Tot Ion:128 Resp: 197601

Ion Ratio Lower Upper

128 100

127 12.8 10.3 15.5

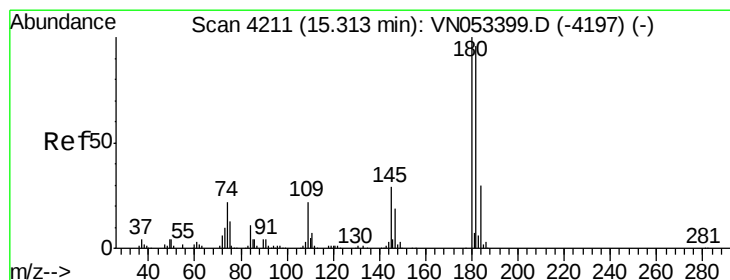
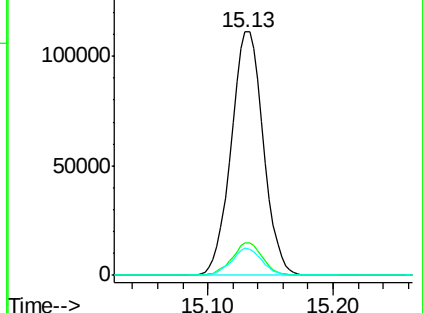
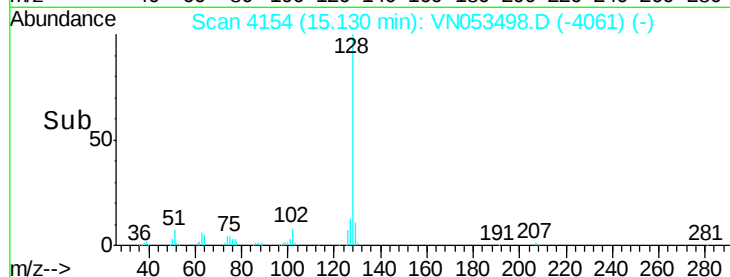
129 10.5 8.6 13.0



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: 20.677 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN053498.D

Acq: 21 Jan 2019 11:25

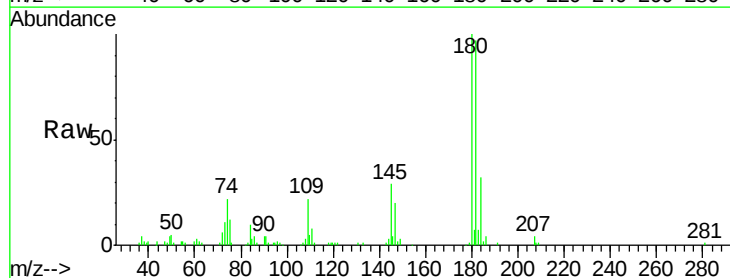
Tgt Ion:180 Resp: 90350

Ion Ratio Lower Upper

180 100

182 94.4 47.9 143.8

145 28.9 14.7 44.1



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

