

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032119\
 Data File : VN054511.D
 Acq On : 21 Mar 2019 15:15
 Operator : JC/SP
 Sample : VN0321MBS01
 Misc : 5.00µL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0321MBS01

Quant Time: Mar 22 10:14:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 02:09:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	534942	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	865876	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	722669	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	311737	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	350429	52.67	ug/l	0.00
Spiked Amount						
			Recovery	=	105.34%	
35) Dibromofluoromethane	7.59	113	281419	50.45	ug/l	0.00
Spiked Amount						
			Recovery	=	100.90%	
50) Toluene-d8	10.09	98	1035607	49.38	ug/l	0.00
Spiked Amount						
			Recovery	=	98.76%	
62) 4-Bromofluorobenzene	12.40	95	344675	48.30	ug/l	0.00
Spiked Amount						
			Recovery	=	96.60%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	110520	21.612	ug/l	99
3) Chloromethane	2.06	50	142281	20.449	ug/l	99
4) Vinyl Chloride	2.19	62	134781	19.294	ug/l	99
5) Bromomethane	2.58	94	80323	17.782	ug/l	99
6) Chloroethane	2.71	64	78632	18.766	ug/l	99
7) Trichlorofluoromethane	3.03	101	168841	19.902	ug/l	99
8) Diethyl Ether	3.41	74	61130	18.736	ug/l	71
9) 1,1,2-Trichlorotrifluoroet	3.75	101	90958	18.243	ug/l	95
10) Methyl Iodide	3.95	142	133672	18.226	ug/l	93
11) Tert butyl alcohol	4.82	59	42672	105.929	ug/l	99
12) 1,1-Dichloroethene	3.73	96	96775	18.756	ug/l #	80
13) Acrolein	3.61	56	49202	88.506	ug/l	97
14) Allyl chloride	4.32	41	201376	20.726	ug/l #	91
15) Acrylonitrile	5.00	53	223139	111.231	ug/l	99
16) Acetone	3.82	43	172845	86.402	ug/l #	84
17) Carbon Disulfide	4.04	76	249588	18.053	ug/l	99
18) Methyl Acetate	4.33	43	100143	22.459	ug/l #	90
19) Methyl tert-butyl Ether	5.06	73	327651	21.759	ug/l	97
20) Methylene Chloride	4.54	84	122617	20.793	ug/l #	84
21) trans-1,2-Dichloroethene	5.04	96	115041	21.835	ug/l	89
22) Diisopropyl ether	5.96	45	427715	22.318	ug/l #	95
23) Vinyl Acetate	5.90	43	1500058	110.824	ug/l #	94
24) 1,1-Dichloroethane	5.85	63	226712	21.971	ug/l	98
25) 2-Butanone	6.85	43	281599	109.888	ug/l #	89
26) 2,2-Dichloropropane	6.82	77	143172	19.464	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	132452	21.077	ug/l	89
28) Bromochloromethane	7.19	49	106635	20.994	ug/l #	76
29) Tetrahydrofuran	7.22	42	184001	110.646	ug/l	87
30) Chloroform	7.37	83	217804	21.628	ug/l	98
31) Cyclohexane	7.65	56	224844	21.688	ug/l	87
32) 1,1,1-Trichloroethane	7.57	97	178031	21.429	ug/l	95
36) 1,1-Dichloropropene	7.79	75	161559	19.955	ug/l	96
37) Ethyl Acetate	6.94	43	126338	21.941	ug/l	95
38) Carbon Tetrachloride	7.77	117	151212	19.220	ug/l	97

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	188442	20.348	ug/l	91
40) Benzene	8.04	78	476423	20.579	ug/l	98
41) Methacrylonitrile	7.18	41	66767	19.013	ug/l	95
42) 1,2-Dichloroethane	8.13	62	175814	20.853	ug/l	98
43) Isopropyl Acetate	8.17	43	207161	21.303	ug/l #	94
44) Trichloroethene	8.84	130	129985	20.195	ug/l	96
45) 1,2-Dichloropropane	9.12	63	136734	21.995	ug/l	100
46) Dibromomethane	9.21	93	76654	20.669	ug/l	92
47) Bromodichloromethane	9.40	83	159837	20.767	ug/l	97
48) Methyl methacrylate	9.20	41	110041	20.848	ug/l	87
49) 1,4-Dioxane	9.21	88	23024	390.188	ug/l #	78
51) 4-Methyl-2-Pentanone	9.99	43	588308	109.159	ug/l	95
52) Toluene	10.16	92	286363	20.111	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	142681	19.021	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	180369	20.438	ug/l	92
55) 1,1,2-Trichloroethane	10.56	97	106499	20.807	ug/l	97
56) Ethyl methacrylate	10.43	69	147003	21.398	ug/l #	86
57) 1,3-Dichloropropane	10.71	76	188800	21.220	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	280725	99.236	ug/l	91
59) 2-Hexanone	10.75	43	367080	104.274	ug/l	92
60) Dibromochloromethane	10.90	129	106051	19.472	ug/l	98
61) 1,2-Dibromoethane	11.01	107	105909	20.930	ug/l	98
64) Tetrachloroethene	10.63	164	124884	20.834	ug/l	96
65) Chlorobenzene	11.43	112	304773	20.735	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	112604	21.344	ug/l	99
67) Ethyl Benzene	11.51	91	548181	21.114	ug/l	97
68) m/p-Xylenes	11.62	106	399883	40.662	ug/l	96
69) o-Xylene	11.95	106	202584	21.093	ug/l	98
70) Styrene	11.96	104	324743	20.821	ug/l	97
71) Bromoform	12.13	173	62354	18.603	ug/l #	98
73) Isopropylbenzene	12.25	105	539857	21.491	ug/l	98
74) N-amyl acetate	12.07	43	163167	22.590	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.51	83	126774	22.108	ug/l #	96
76) 1,2,3-Trichloropropane	12.55	75	146965	29.709	ug/l #	100
77) Bromobenzene	12.53	156	171869	27.586	ug/l	80
78) n-propylbenzene	12.59	91	568469	20.869	ug/l	99
79) 2-Chlorotoluene	12.67	91	339748	20.001	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	443442	21.539	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.30	75	23446	18.475	ug/l #	69
82) 4-Chlorotoluene	12.77	91	342576	20.806	ug/l	96
83) tert-Butylbenzene	12.99	119	378001	21.093	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	424998	21.038	ug/l	97
85) sec-Butylbenzene	13.17	105	474950	21.260	ug/l	98
86) p-Isopropyltoluene	13.29	119	429636	21.496	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	204526	19.810	ug/l	97
88) 1,4-Dichlorobenzene	13.36	146	201790	20.088	ug/l	98
89) n-Butylbenzene	13.62	91	340475	21.786	ug/l	99
90) Hexachloroethane	13.87	117	59176	19.074	ug/l	91
91) 1,2-Dichlorobenzene	13.65	146	207456	20.745	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	18006	21.408	ug/l	85

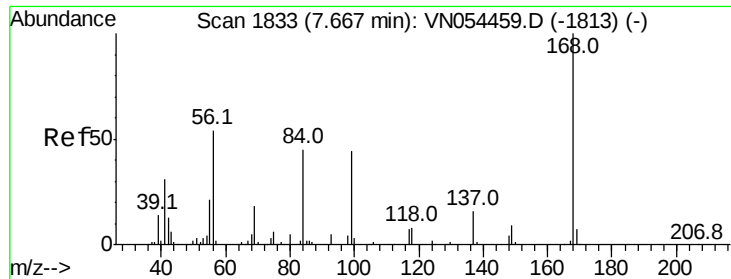
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN032119\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	108809	21.827	ug/l	99
94) Hexachlorobutadiene	15.01	225	63131	21.107	ug/l	98
95) Naphthalene	15.13	128	255363	22.965	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	108890	21.947	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN054511.D

Acq: 21 Mar 2019 15:15

Instrument :

MSVOA_N

ClientSampleId :

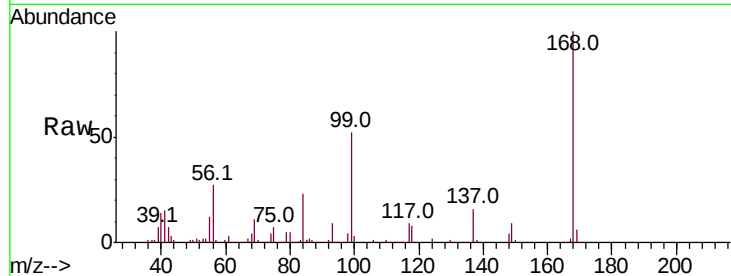
VN0321MBS01

Tot Ion:168 Resp: 534942

Ion Ratio Lower Upper

168 100

99 51.8 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

250000

200000

150000

100000

50000

0

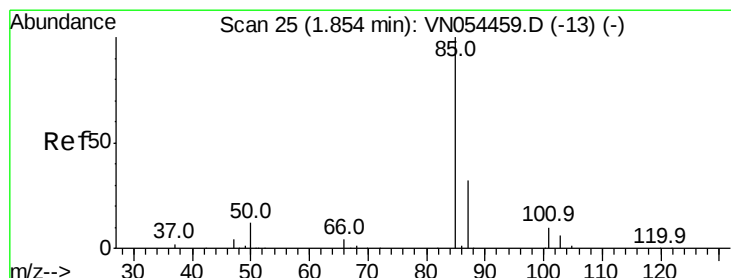
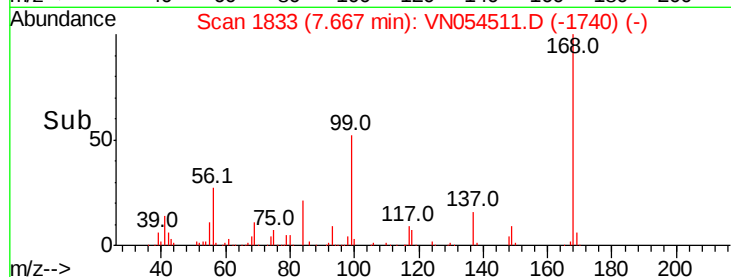
7.50

7.60

7.70

7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 21.612 ug/l

RT: 1.85 min Scan# 25

Delta R.T. -0.00 min

Lab File: VN054511.D

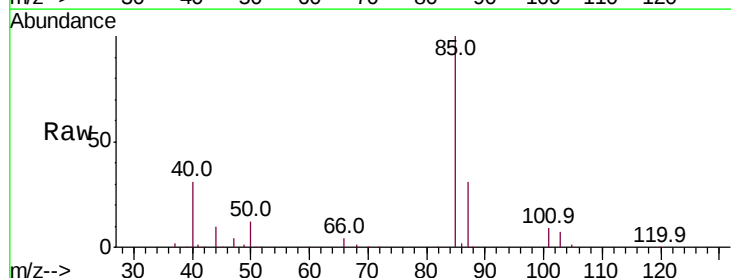
Acq: 21 Mar 2019 15:15

Tgt Ion: 85 Resp: 110520

Ion Ratio Lower Upper

85 100

87 31.3 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): V

Ion 86.90 (86.60 to 87.60): VN

1.85

80000

60000

40000

20000

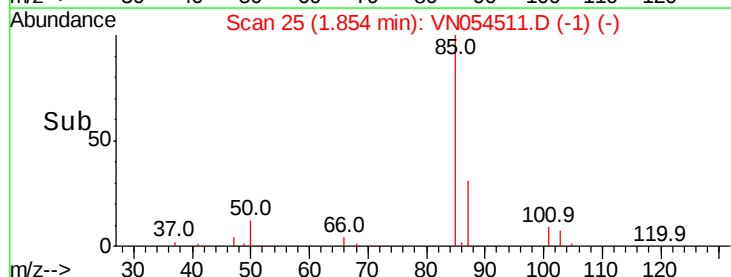
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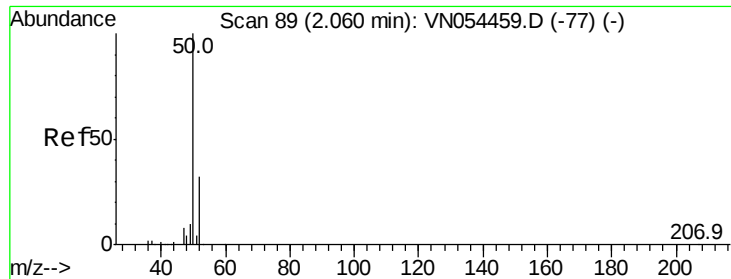
1.80

1.85

1.90

Time-->





#3

Chloromethane

Concen: 20.449 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN054511.D

Acq: 21 Mar 2019 15:15

Instrument :

MSVOA_N

ClientSampled :

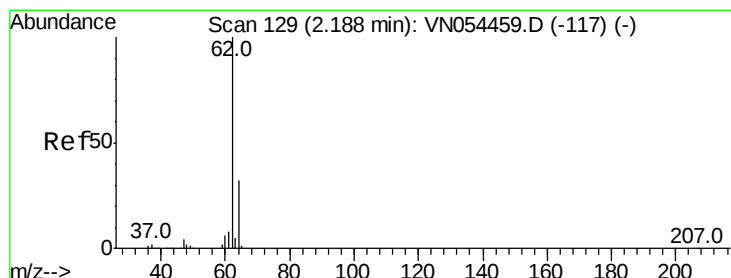
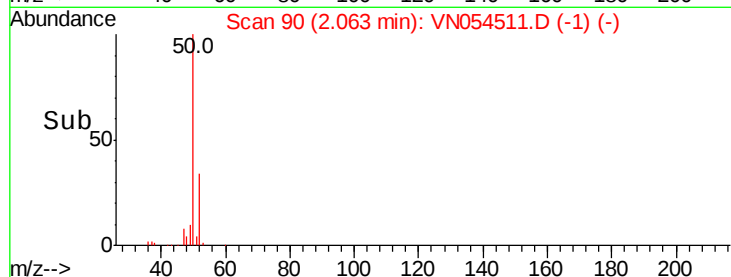
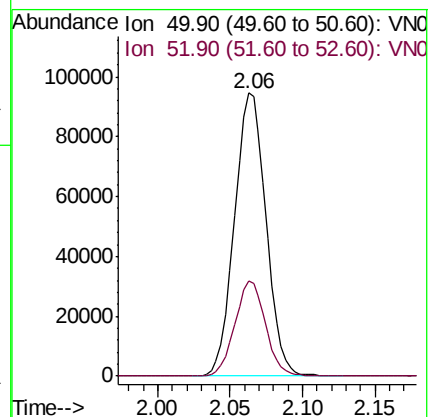
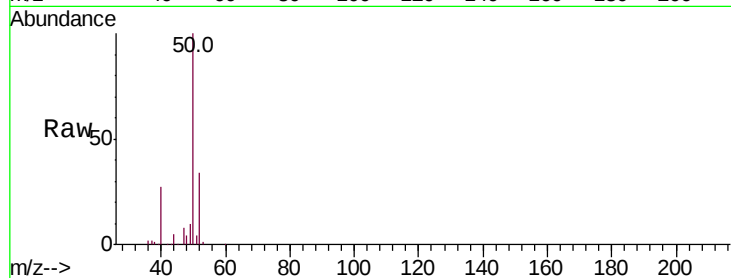
VN0321MBS01

Tot Ion: 50 Resp: 142281

Ion Ratio Lower Upper

50 100

52 33.6 26.4 39.6



#4

Vinyl Chloride

Concen: 19.294 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN054511.D

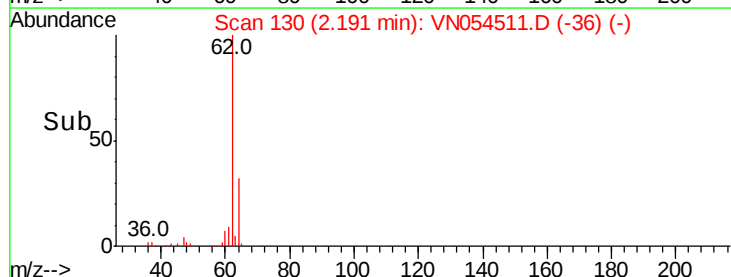
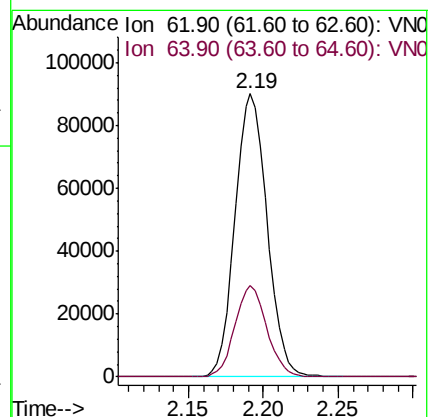
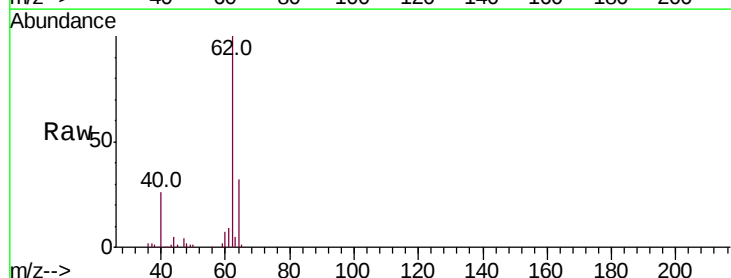
Acq: 21 Mar 2019 15:15

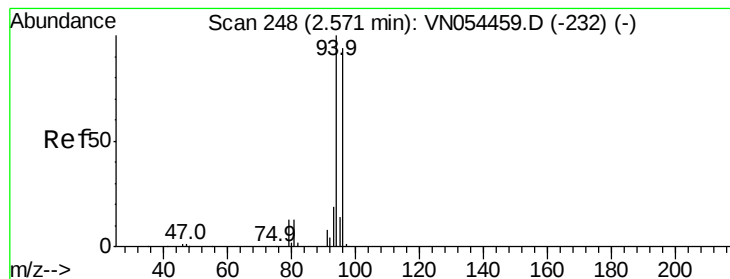
Tgt Ion: 62 Resp: 134781

Ion Ratio Lower Upper

62 100

64 32.3 25.5 38.3





#5

Bromomethane

Concen: 17.782 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.01 min

Lab File: VN054511.D

Acq: 21 Mar 2019 15:15

Instrument :

MSVOA_N

ClientSampleId :

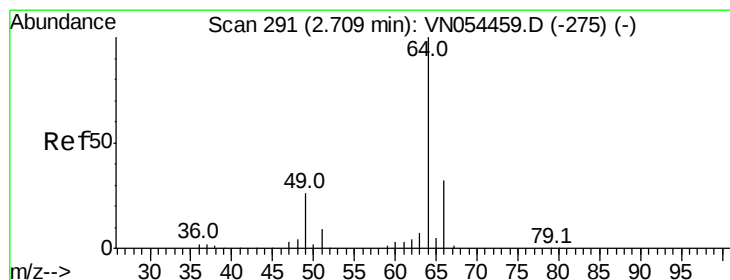
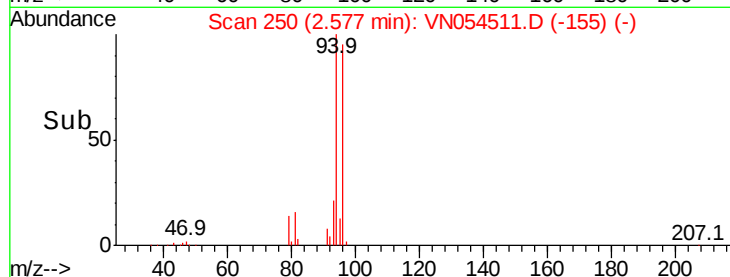
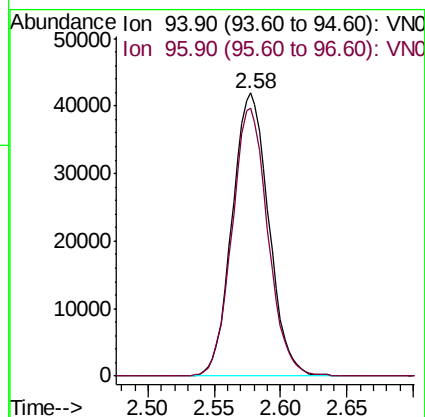
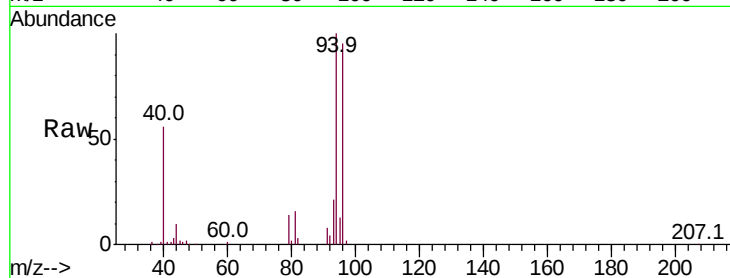
VN0321MBS01

Tot Ion: 94 Resp: 80323

Ion Ratio Lower Upper

94 100

96 94.9 77.0 115.4



#6

Chloroethane

Concen: 18.766 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN054511.D

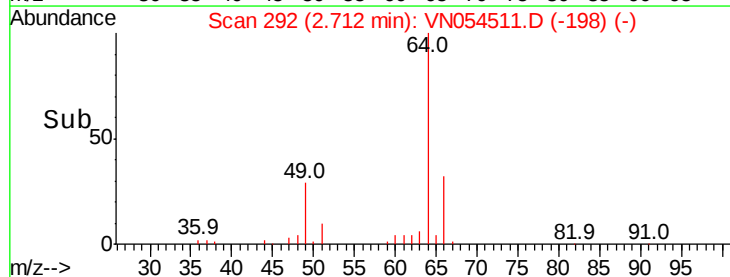
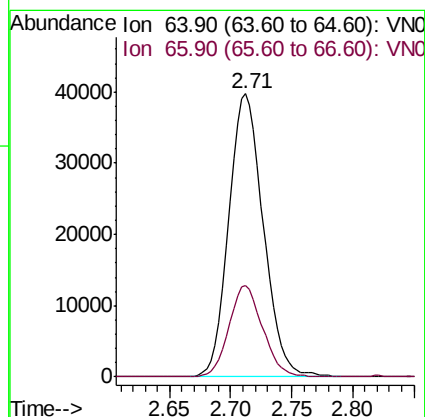
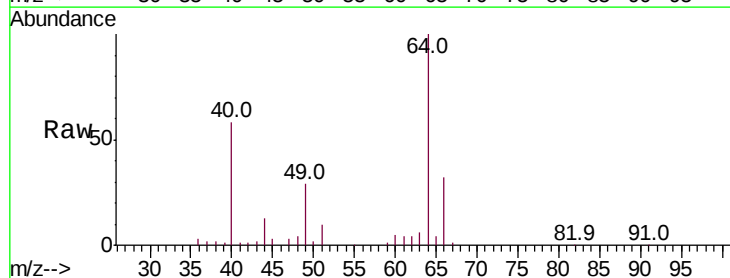
Acq: 21 Mar 2019 15:15

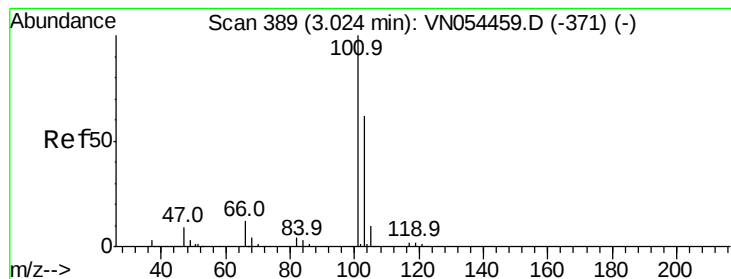
Tgt Ion: 64 Resp: 78632

Ion Ratio Lower Upper

64 100

66 32.4 25.7 38.5



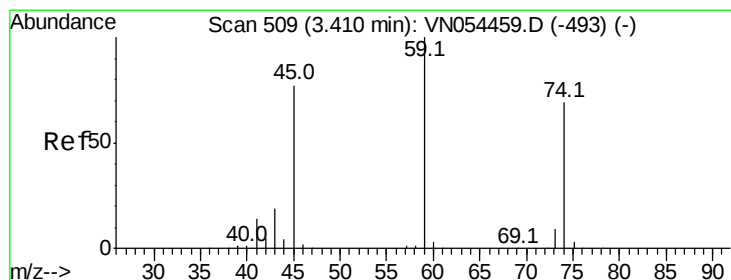
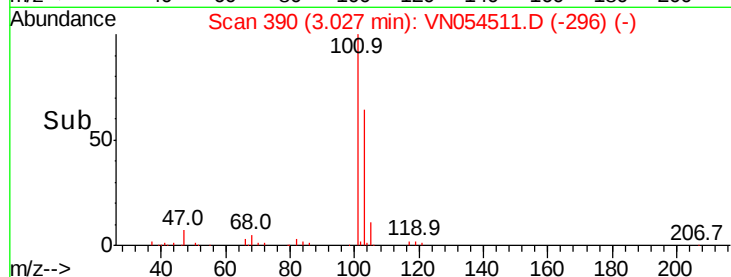
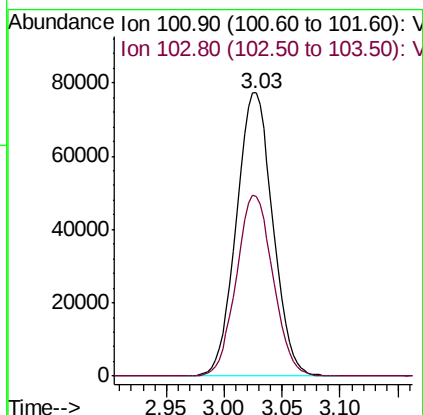
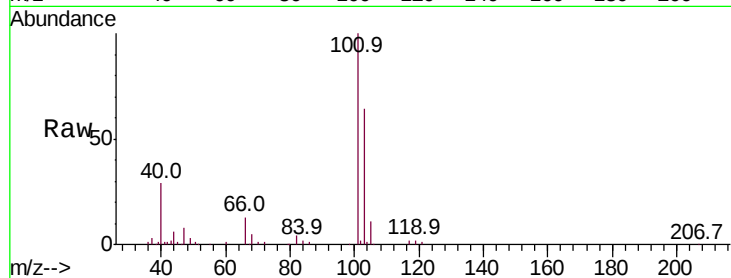


#7

Trichlorofluoromethane
 Concen: 19.902 ug/l
 RT: 3.03 min Scan# 390
 Delta R.T. 0.00 min
 Lab File: VN054511.D
 Acq: 21 Mar 2019 15:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0321MBS01

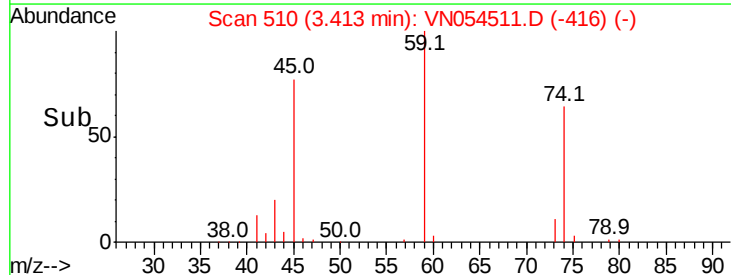
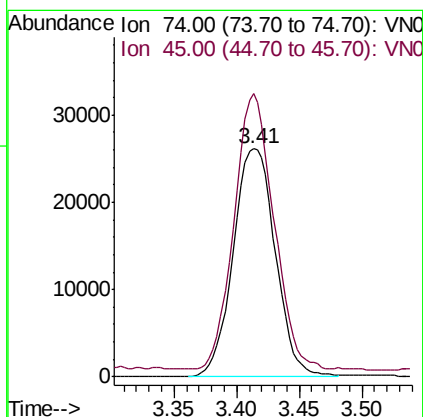
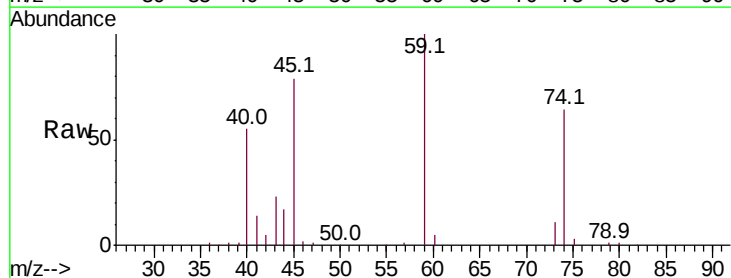
Tot Ion:101 Resp: 168841
 Ion Ratio Lower Upper
 101 100
 103 63.6 51.4 77.2

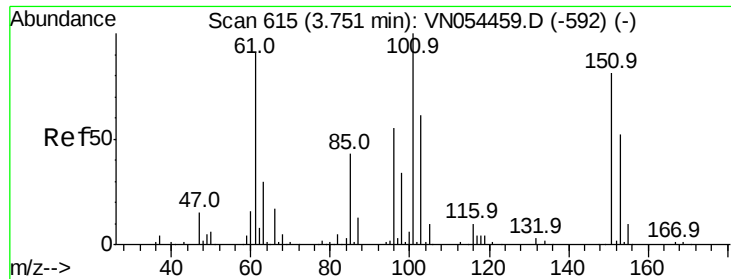


#8

Diethyl Ether
 Concen: 18.736 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN054511.D
 Acq: 21 Mar 2019 15:15

Tgt Ion: 74 Resp: 61130
 Ion Ratio Lower Upper
 74 100
 45 113.2 43.1 129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.243 ug/l

RT: 3.75 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN054511.D

Acq: 21 Mar 2019 15:15

Instrument :

MSVOA_N

ClientSampleId :

VN0321MBS01

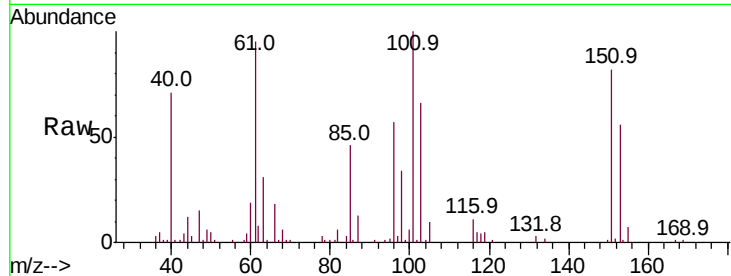
Tot Ion:101 Resp: 90958

Ion Ratio Lower Upper

101 100

85 45.6 32.4 48.6

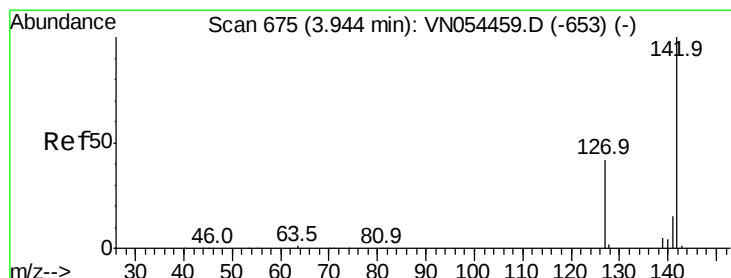
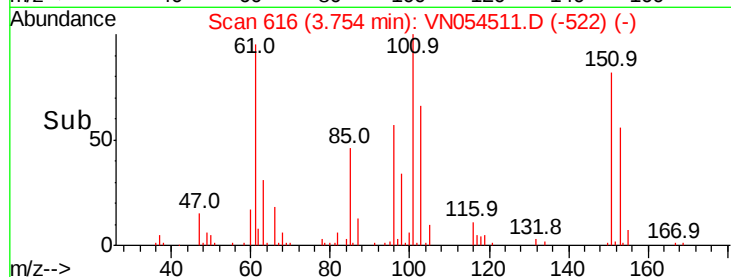
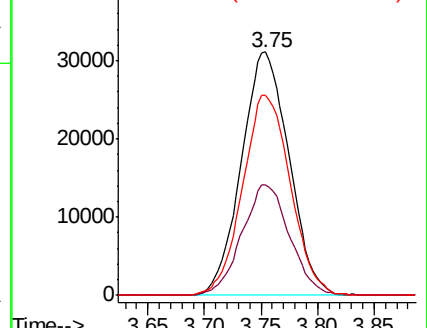
151 82.7 68.2 102.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.226 ug/l

RT: 3.95 min Scan# 676

Delta R.T. 0.00 min

Lab File: VN054511.D

Acq: 21 Mar 2019 15:15

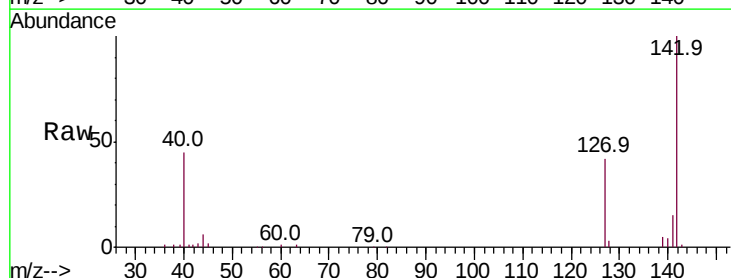
Tgt Ion:142 Resp: 133672

Ion Ratio Lower Upper

142 100

127 43.6 30.3 45.5

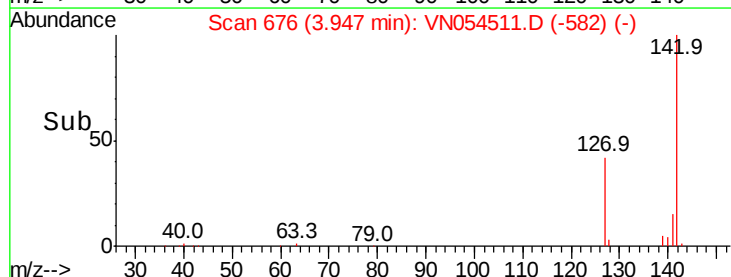
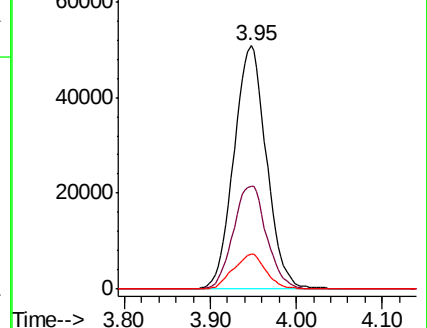
141 14.4 11.2 16.8

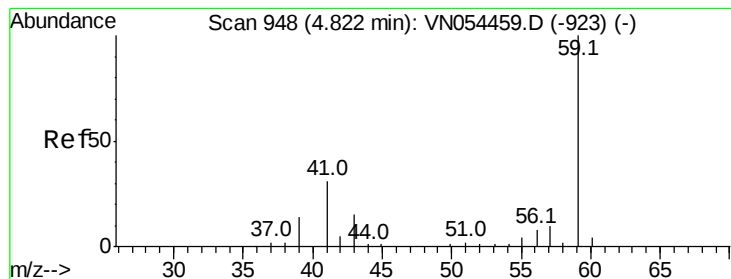


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



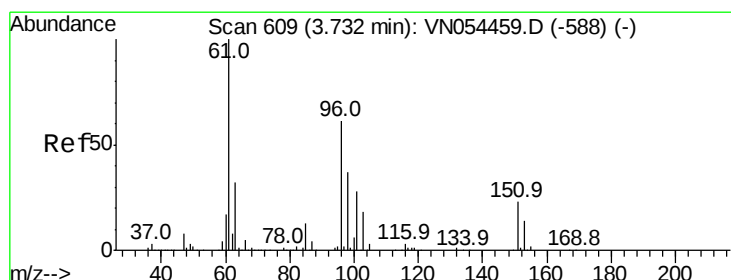
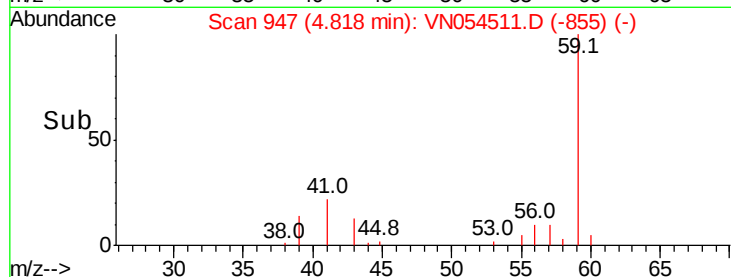
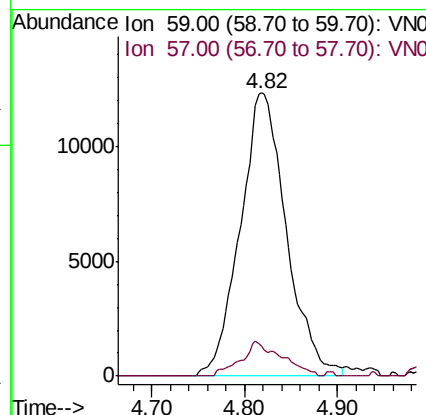
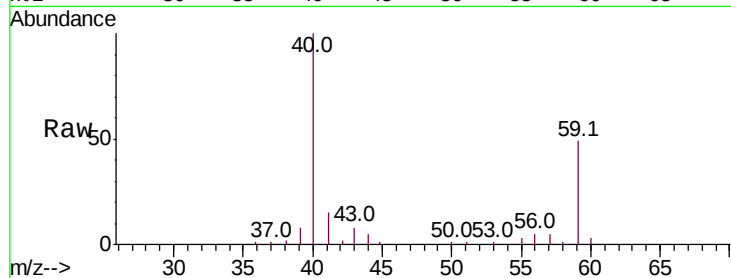


#11

Tert butyl alcohol
 Concen: 105.929 ug/l
 RT: 4.82 min Scan# 947
 Delta R.T. -0.00 min
 Lab File: VN054511.D
 Acq: 21 Mar 2019 15:15

Instrument :
 MSVOA_N
 ClientSampled :
 VN0321MBS01

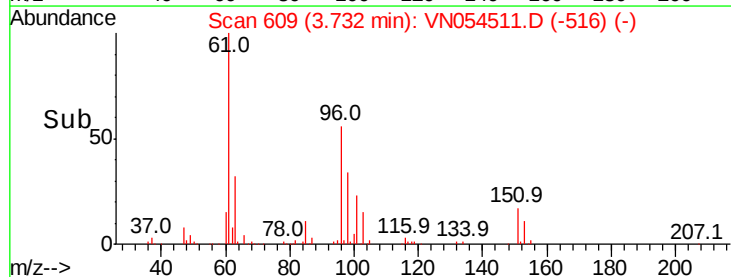
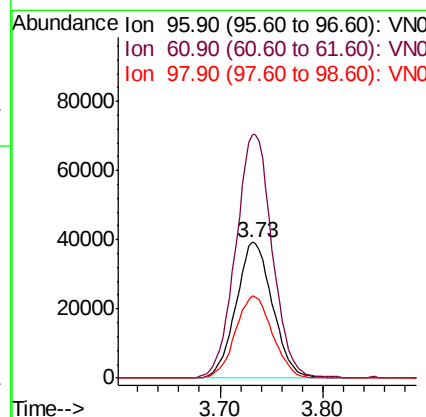
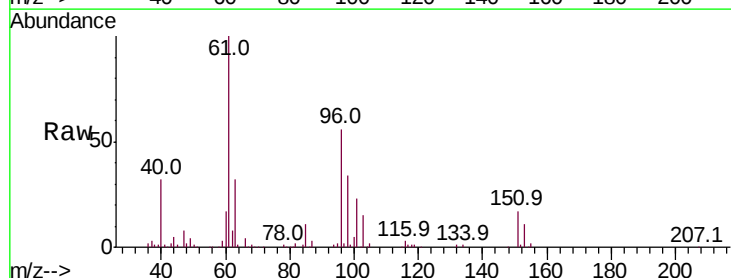
Tot Ion: 59 Resp: 42672
 Ion Ratio Lower Upper
 59 100
 57 10.9 9.0 13.6

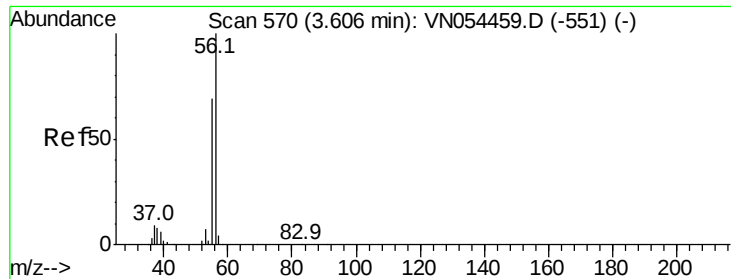


#12

1,1-Dichloroethene
 Concen: 18.756 ug/l
 RT: 3.73 min Scan# 609
 Delta R.T. -0.00 min
 Lab File: VN054511.D
 Acq: 21 Mar 2019 15:15

Tgt Ion: 96 Resp: 96775
 Ion Ratio Lower Upper
 96 100
 61 179.1 116.5 174.7#
 98 60.7 51.0 76.4





#13

Acrolein

Concen: 88.506 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN054511.D

Acq: 21 Mar 2019 15:15

Instrument :

MSVOA_N

ClientSampleId :

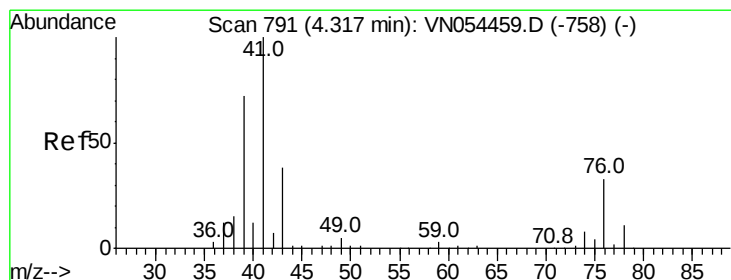
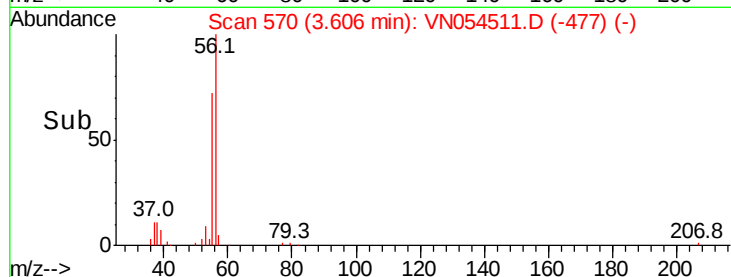
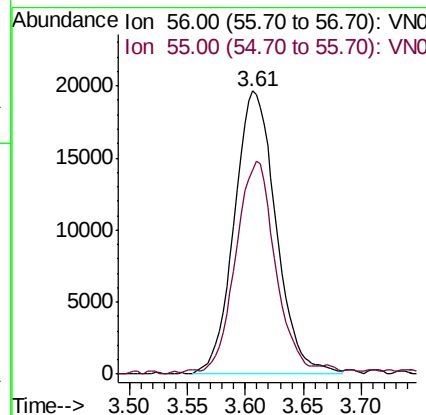
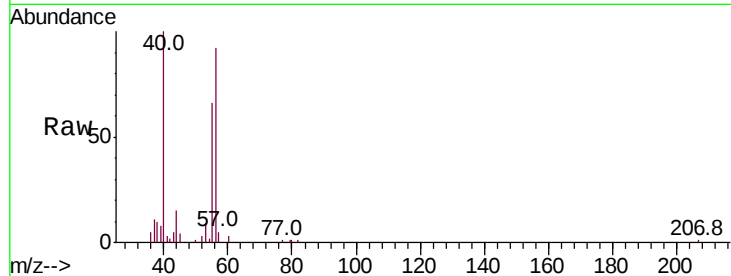
VN0321MBS01

Tot Ion: 56 Resp: 49202

Ion Ratio Lower Upper

56 100

55 68.7 56.7 85.1



#14

Allyl chloride

Concen: 20.726 ug/l

RT: 4.32 min Scan# 792

Delta R.T. 0.00 min

Lab File: VN054511.D

Acq: 21 Mar 2019 15:15

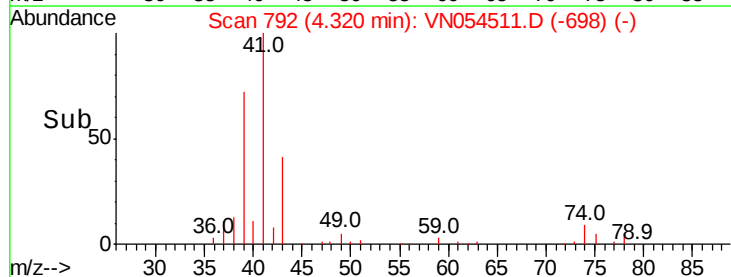
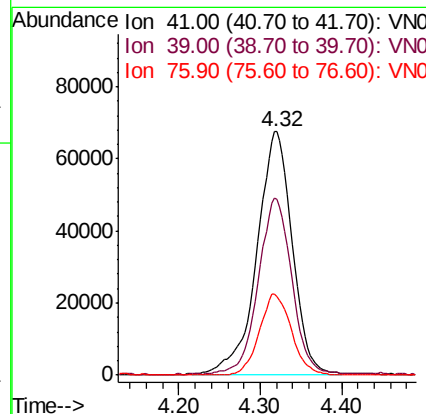
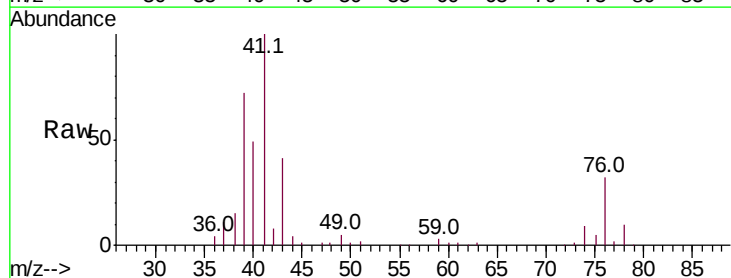
Tgt Ion: 41 Resp: 201376

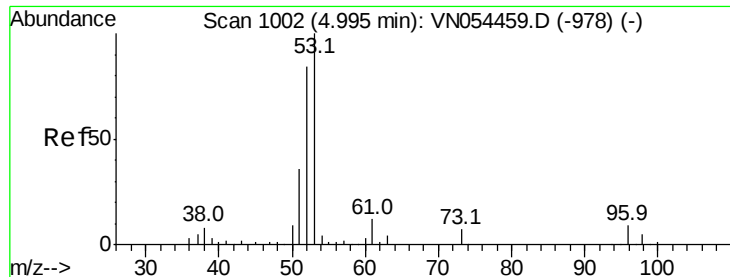
Ion Ratio Lower Upper

41 100

39 68.7 58.2 87.4

76 30.3 31.7 47.5#





#15

Acrylonitrile

Concen: 111.231 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. -0.00 min

Lab File: VN054511.D

Acq: 21 Mar 2019 15:15

Instrument :

MSVOA_N

ClientSampleId :

VN0321MBS01

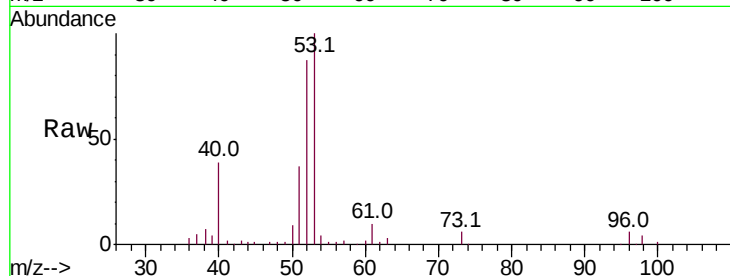
Tot Ion: 53 Resp: 223139

Ion Ratio Lower Upper

53 100

52 83.9 66.4 99.6

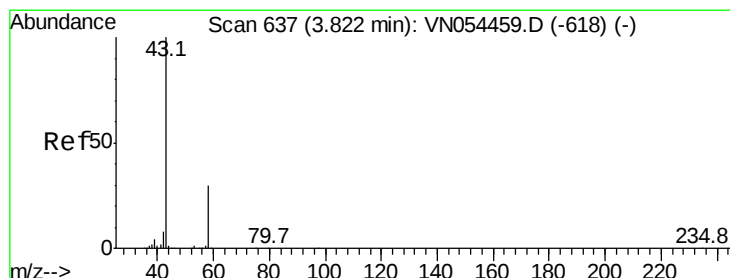
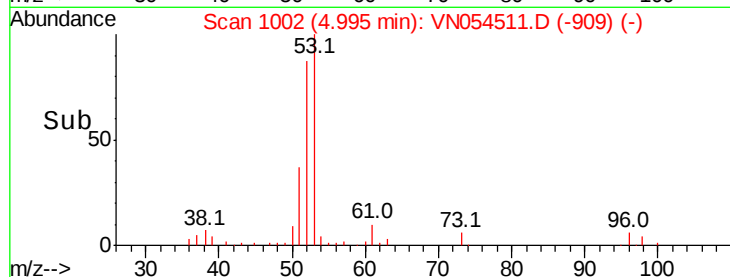
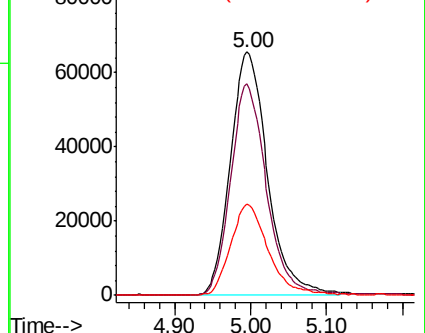
51 37.9 29.6 44.4



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: 86.402 ug/l

RT: 3.82 min Scan# 637

Delta R.T. -0.00 min

Lab File: VN054511.D

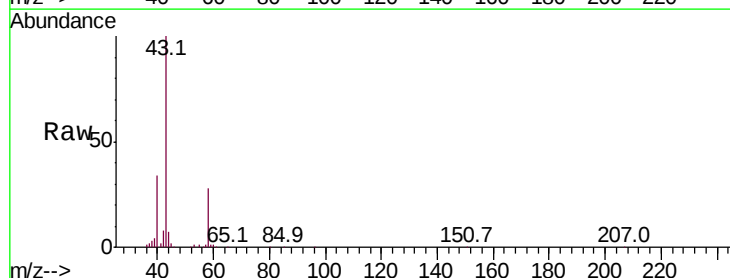
Acq: 21 Mar 2019 15:15

Tgt Ion: 43 Resp: 172845

Ion Ratio Lower Upper

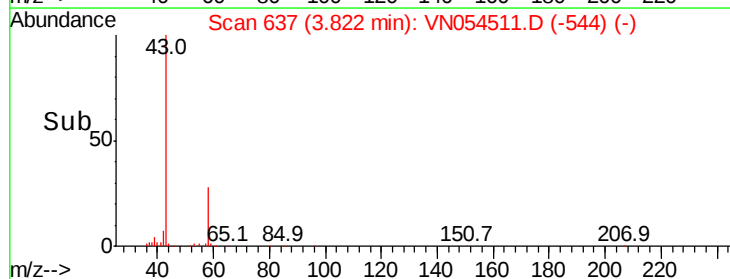
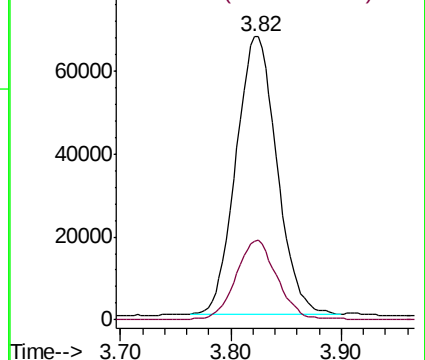
43 100

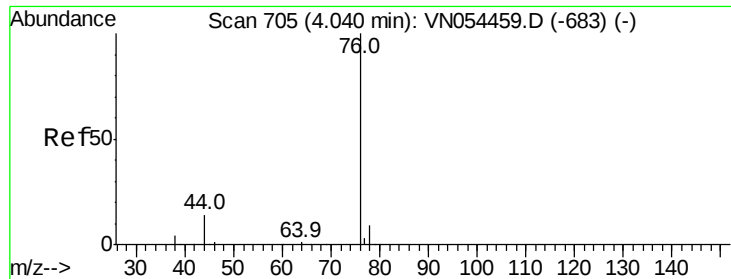
58 28.1 29.9 44.9#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

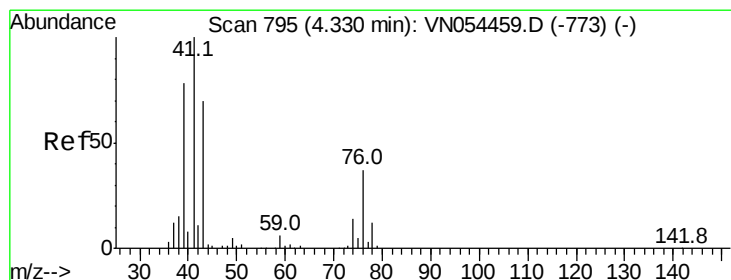
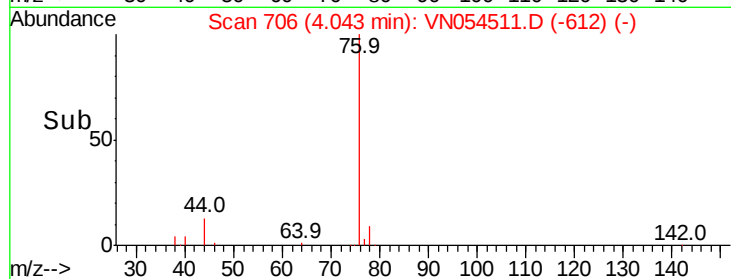
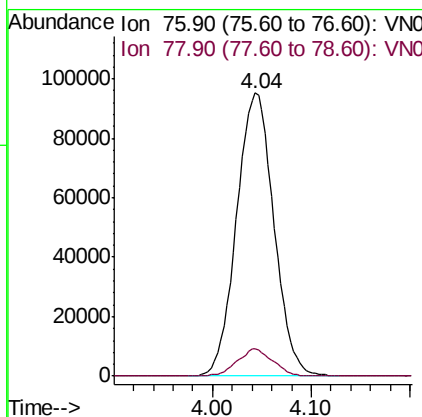
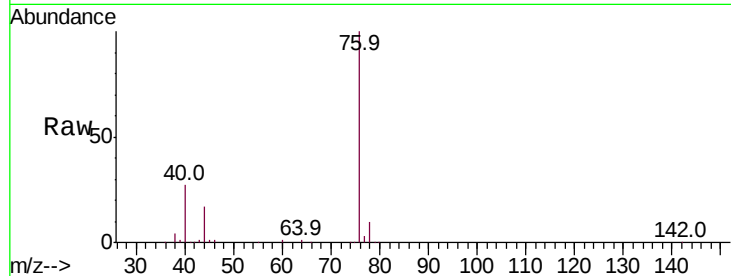




#17
Carbon Disulfide
Concen: 18.053 ug/l
RT: 4.04 min Scan# 706
Delta R.T. 0.00 min
Lab File: VN054511.D
Acq: 21 Mar 2019 15:15

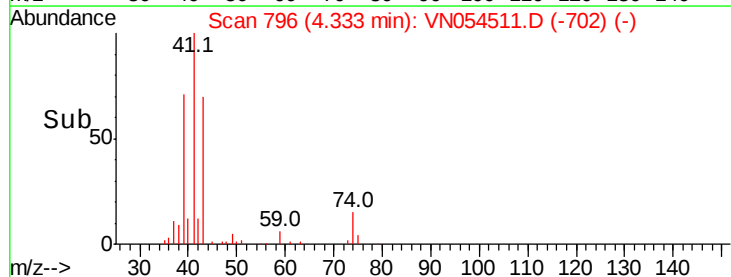
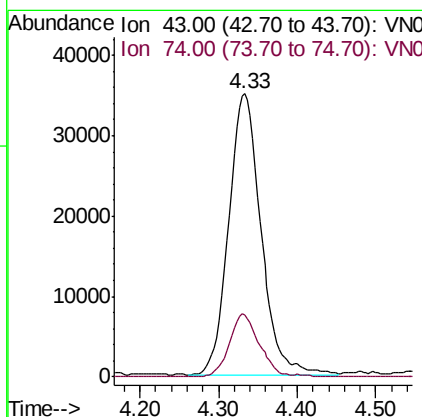
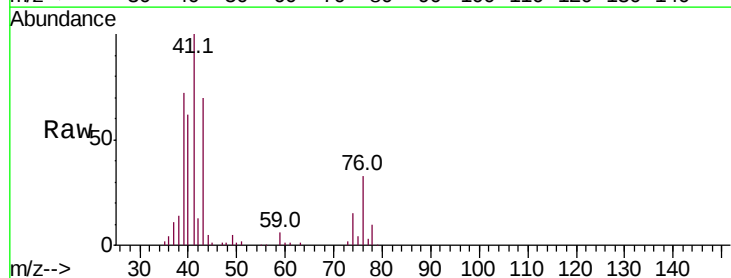
Instrument :
MSVOA_N
ClientSampled :
VN0321MBS01

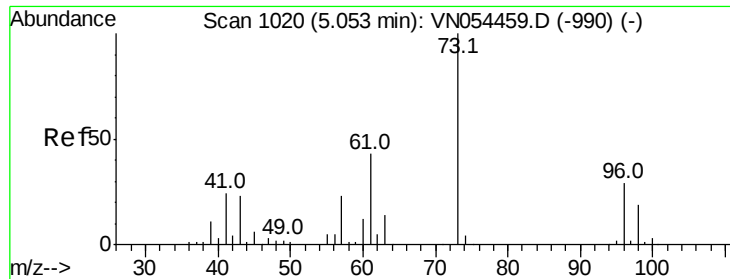
Tot Ion: 76 Resp: 249588
Ion Ratio Lower Upper
76 100
78 9.6 7.5 11.3



#18
Methyl Acetate
Concen: 22.459 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.00 min
Lab File: VN054511.D
Acq: 21 Mar 2019 15:15

Tgt Ion: 43 Resp: 100143
Ion Ratio Lower Upper
43 100
74 20.7 20.8 31.2#

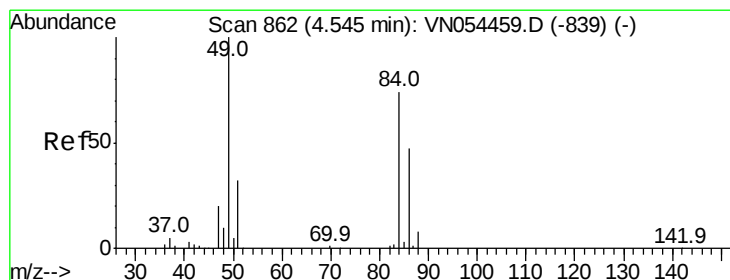
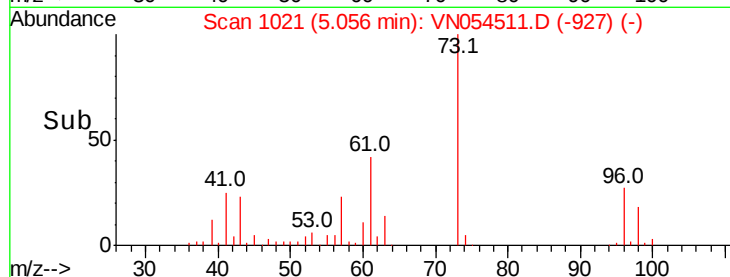
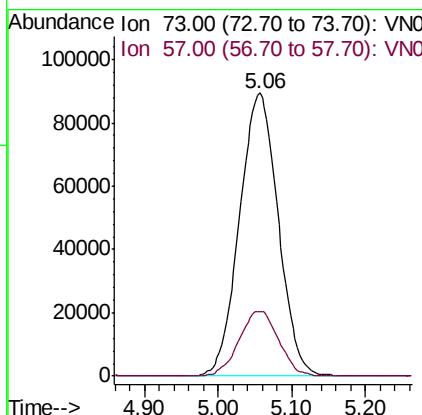
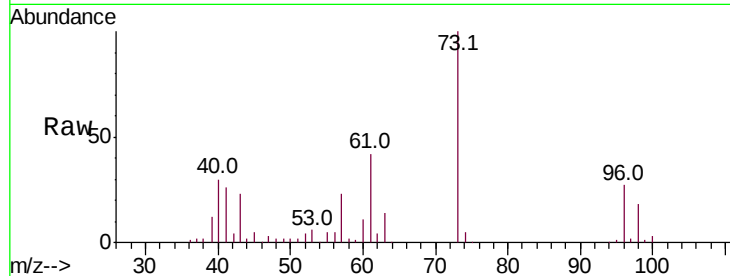




#19
Methyl tert-butyl Ether
Concen: 21.759 ug/l
RT: 5.06 min Scan# 1021
Delta R.T. 0.00 min
Lab File: VN054511.D
Acq: 21 Mar 2019 15:15

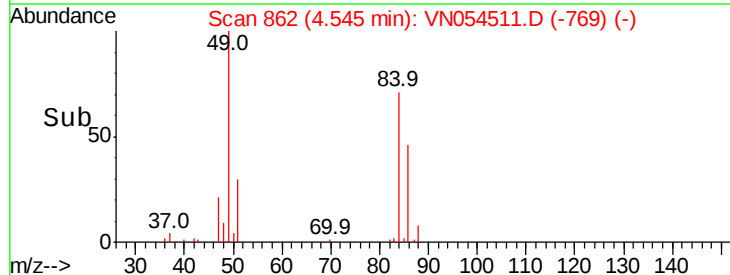
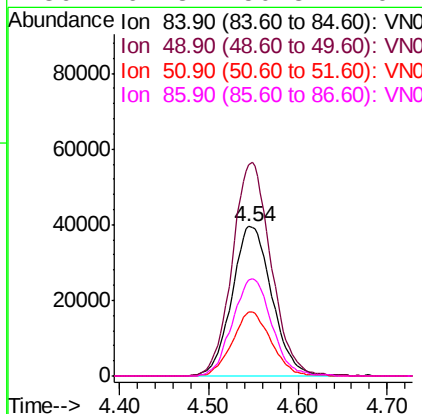
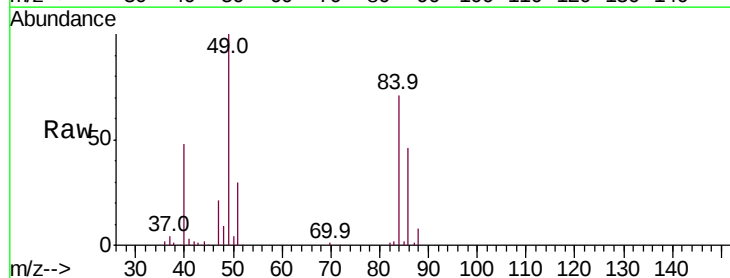
Instrument :
MSVOA_N
ClientSampled :
VN0321MBS01

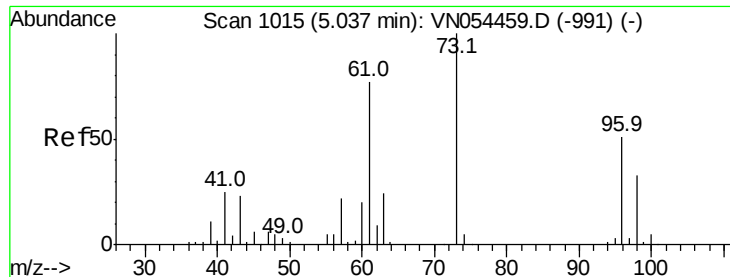
Tot Ion: 73 Resp: 327651
Ion Ratio Lower Upper
73 100
57 22.6 16.8 25.2



#20
Methylene Chloride
Concen: 20.793 ug/l
RT: 4.54 min Scan# 862
Delta R.T. -0.00 min
Lab File: VN054511.D
Acq: 21 Mar 2019 15:15

Tgt Ion: 84 Resp: 122617
Ion Ratio Lower Upper
84 100
49 140.4 89.7 134.5#
51 42.6 28.2 42.4#
86 64.3 50.8 76.2

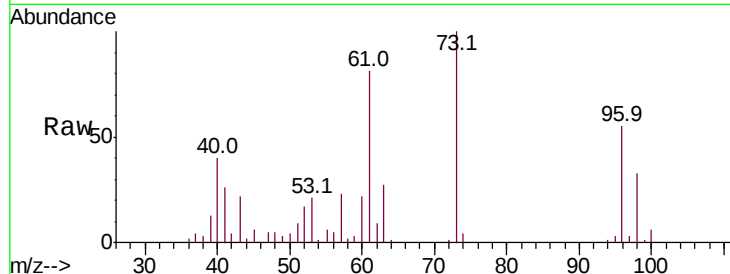




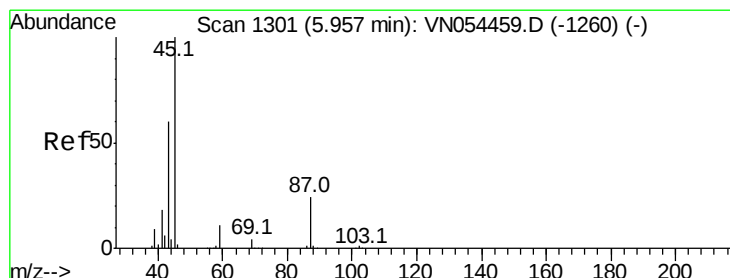
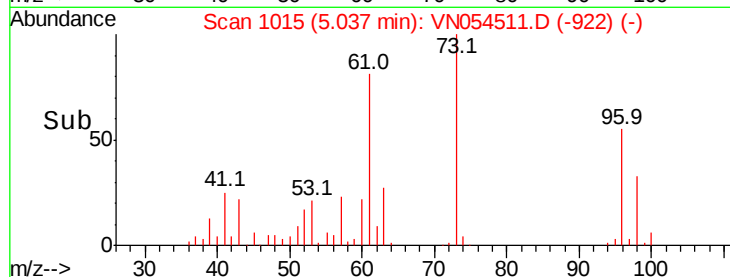
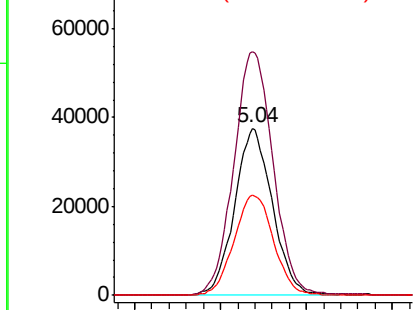
#21
trans-1,2-Dichloroethene
Concen: 21.835 ug/l
RT: 5.04 min Scan# 1015
Delta R.T. -0.00 min
Lab File: VN054511.D
Acq: 21 Mar 2019 15:15

Instrument :
MSVOA_N
ClientSampleId :
VN0321MBS01

Tot Ion: 96 Resp: 115041
Ion Ratio Lower Upper
96 100
61 145.9 102.8 154.2
98 60.2 50.0 75.0

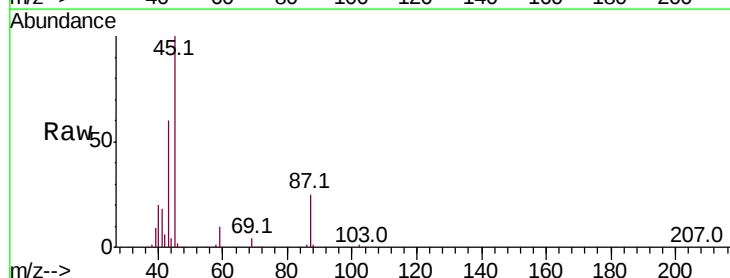


Abundance Ion 95.90 (95.60 to 96.60): VNC
Ion 60.90 (60.60 to 61.60): VNC
Ion 97.90 (97.60 to 98.60): VNC

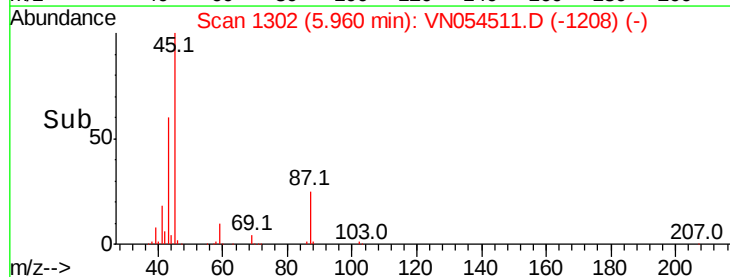
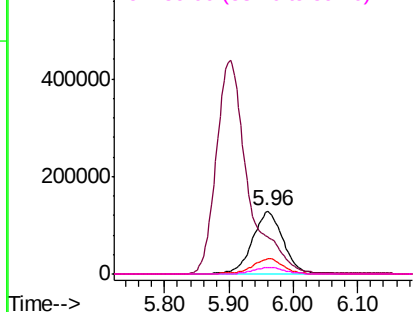


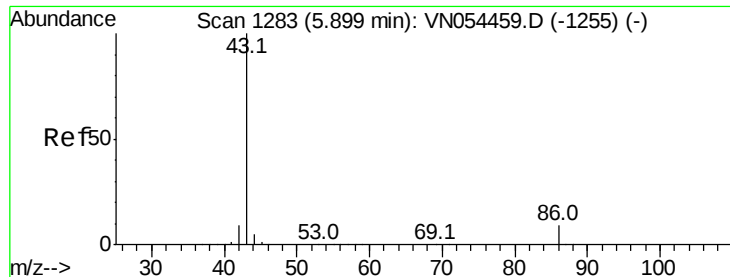
#22
Diisopropyl ether
Concen: 22.318 ug/l
RT: 5.96 min Scan# 1302
Delta R.T. 0.00 min
Lab File: VN054511.D
Acq: 21 Mar 2019 15:15

Tgt Ion: 45 Resp: 427715
Ion Ratio Lower Upper
45 100
43 59.0 48.2 72.2
87 24.3 24.9 37.3#
59 10.3 9.5 14.3



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

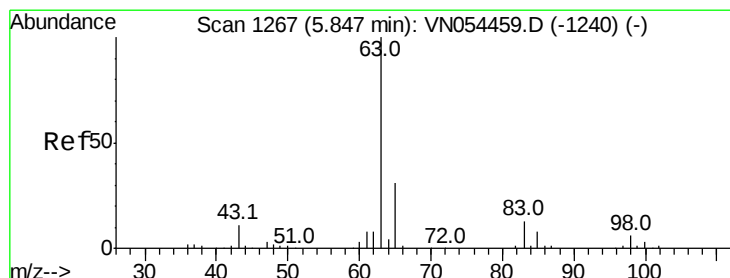
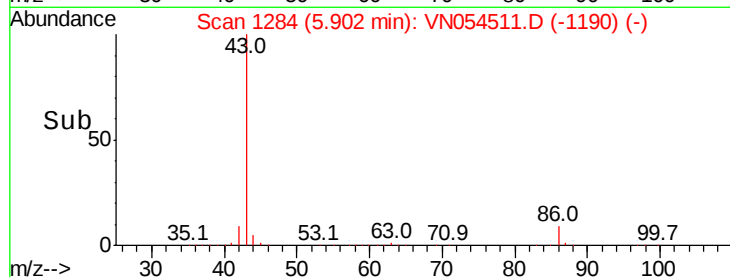
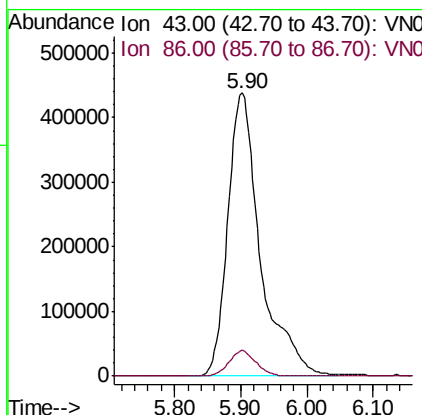
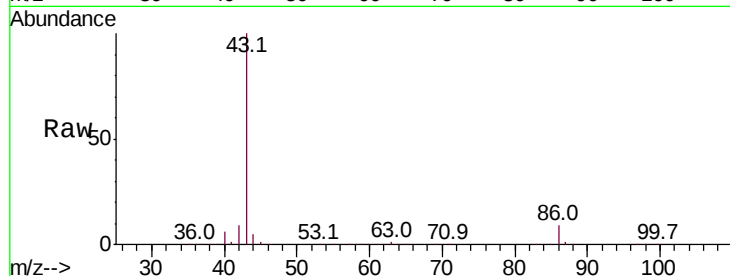




#23
 Vinyl Acetate
 Concen: 110.824 ug/l
 RT: 5.90 min Scan# 1284
 Delta R.T. 0.00 min
 Lab File: VN054511.D
 Acq: 21 Mar 2019 15:15

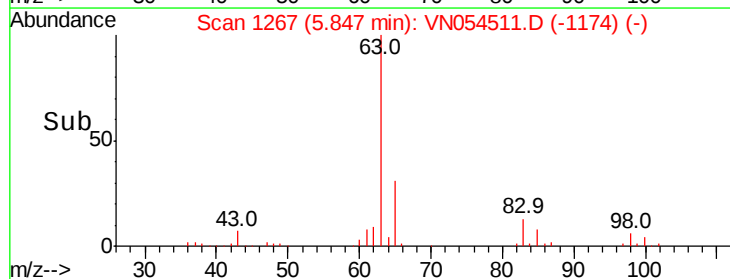
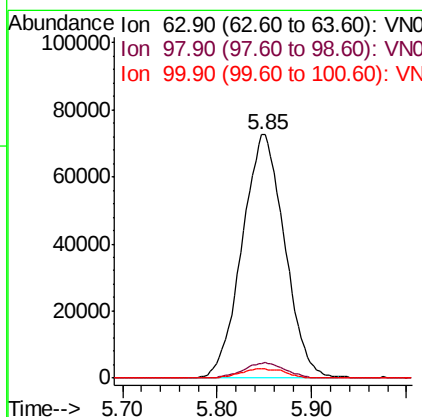
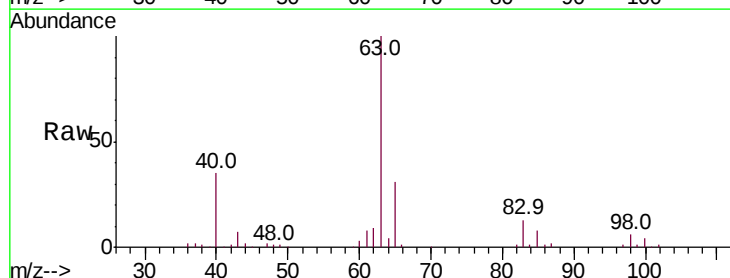
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0321MBS01

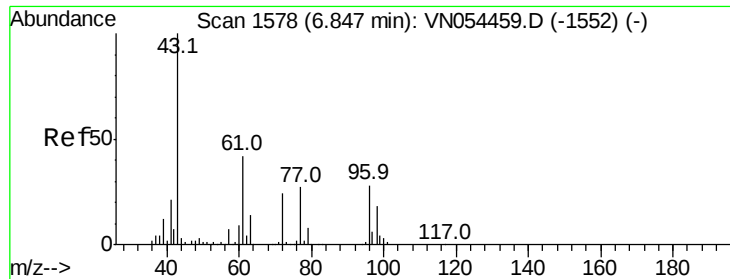
Tot Ion: 43 Resp: 1500058
 Ion Ratio Lower Upper
 43 100
 86 9.1 9.1 13.7#



#24
 1,1-Dichloroethane
 Concen: 21.971 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. -0.00 min
 Lab File: VN054511.D
 Acq: 21 Mar 2019 15:15

Tgt Ion: 63 Resp: 226712
 Ion Ratio Lower Upper
 63 100
 98 6.2 3.5 10.5
 100 3.9 2.0 6.0





#25

2-Butanone

Concen: 109.888 ug/l

RT: 6.85 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VN054511.D

Acq: 21 Mar 2019 15:15

Instrument :

MSVOA_N

ClientSampled :

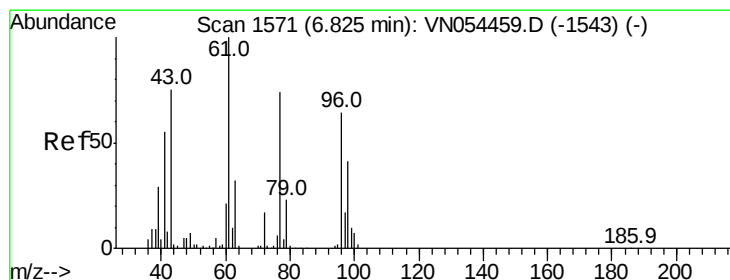
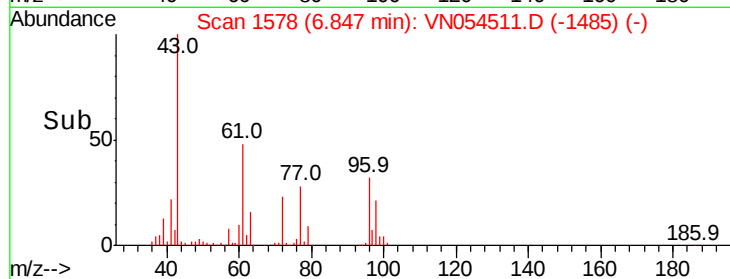
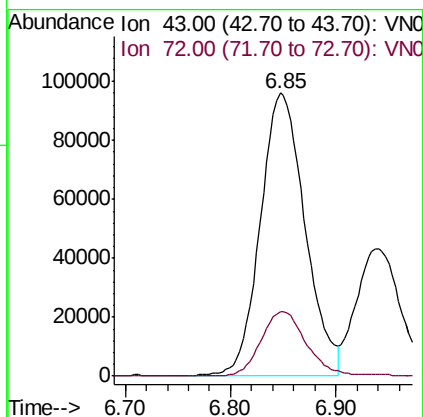
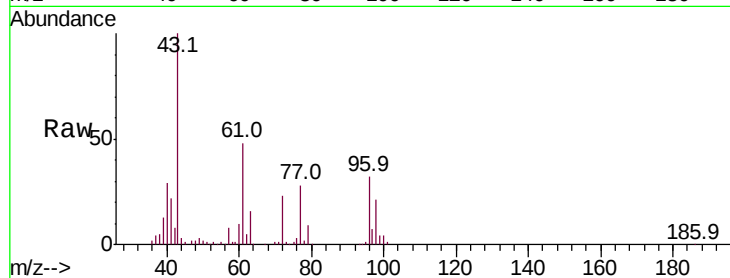
VN0321MBS01

Tot Ion: 43 Resp: 281599

Ion Ratio Lower Upper

43 100

72 22.7 23.0 34.6#



#26

2,2-Dichloropropane

Concen: 19.464 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN054511.D

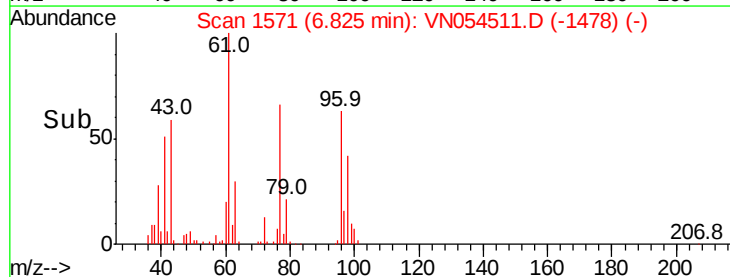
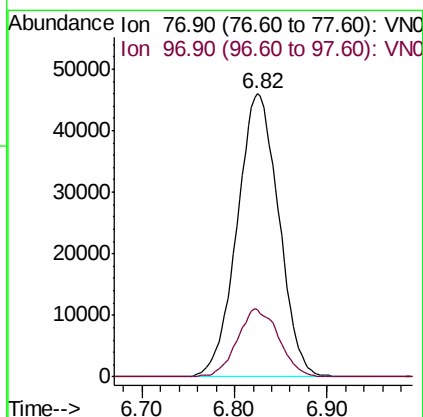
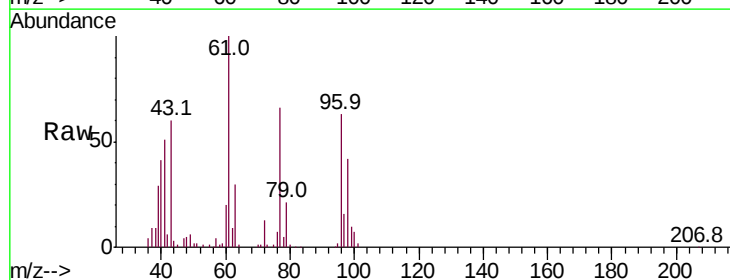
Acq: 21 Mar 2019 15:15

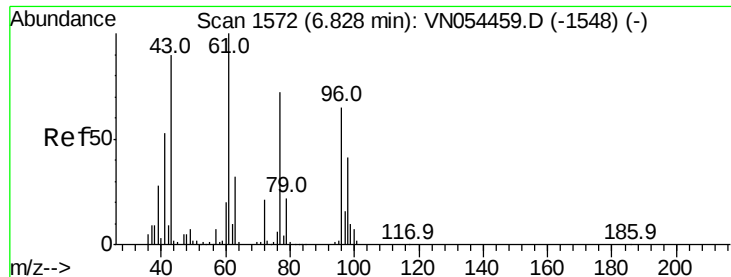
Tgt Ion: 77 Resp: 143172

Ion Ratio Lower Upper

77 100

97 24.0 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 21.077 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN054511.D

Acq: 21 Mar 2019 15:15

Instrument :

MSVOA_N

ClientSampleId :

VN0321MBS01

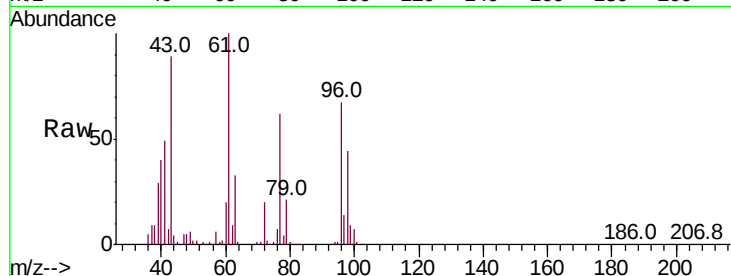
Tot Ion: 96 Resp: 132452

Ion Ratio Lower Upper

96 100

61 155.9 0.0 273.0

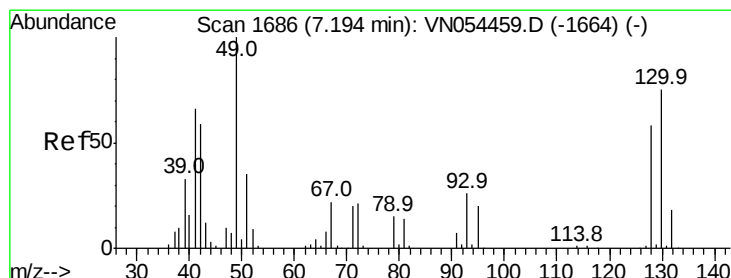
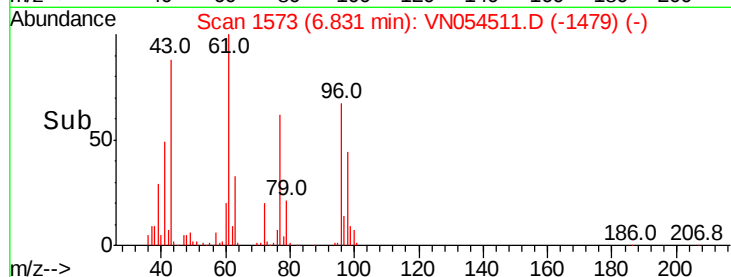
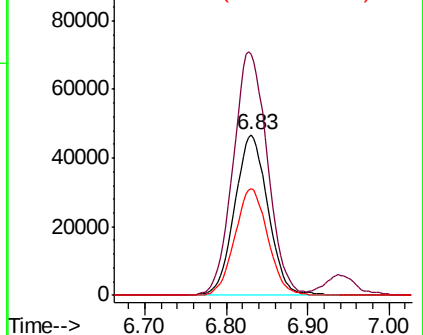
98 65.6 0.0 130.6



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: 20.994 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN054511.D

Acq: 21 Mar 2019 15:15

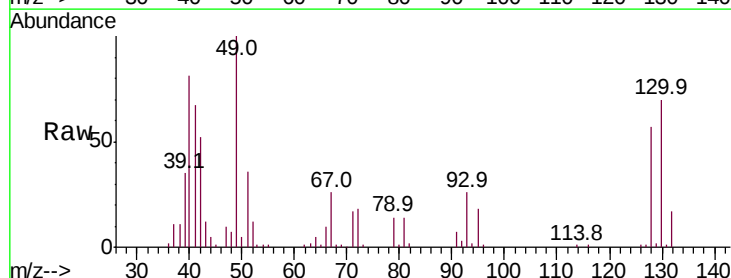
Tgt Ion: 49 Resp: 106635

Ion Ratio Lower Upper

49 100

129 2.0 0.0 4.6

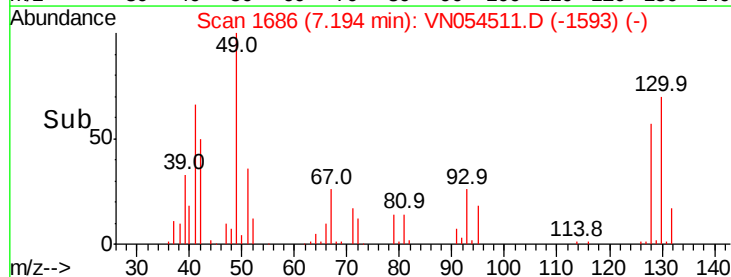
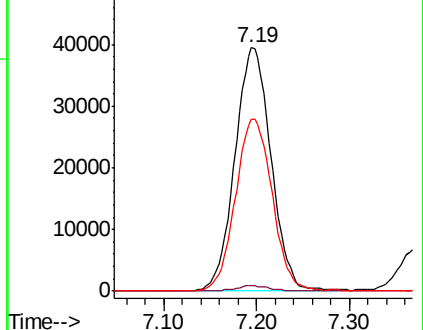
130 71.9 76.7 115.1#

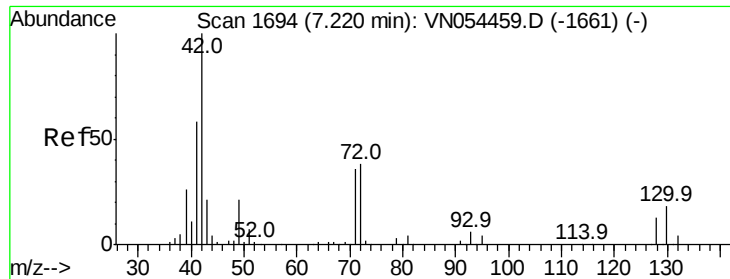


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 110.646 ug/l

RT: 7.22 min Scan# 1695

Delta R.T. 0.00 min

Lab File: VN054511.D

Acq: 21 Mar 2019 15:15

Instrument :

MSVOA_N

ClientSampleId :

VN0321MBS01

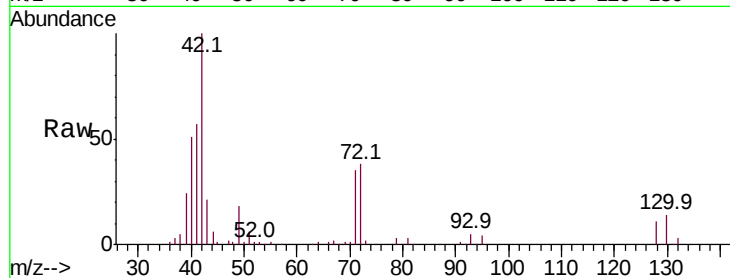
Tot Ion: 42 Resp: 184001

Ion Ratio Lower Upper

42 100

72 38.5 37.8 56.6

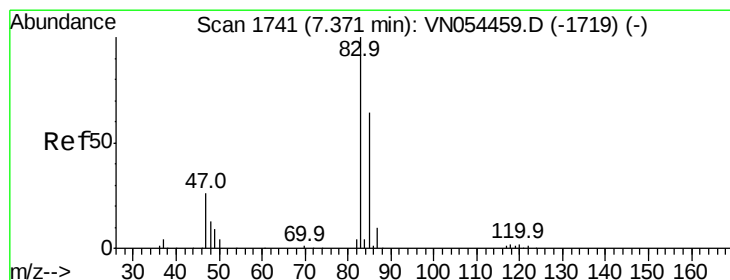
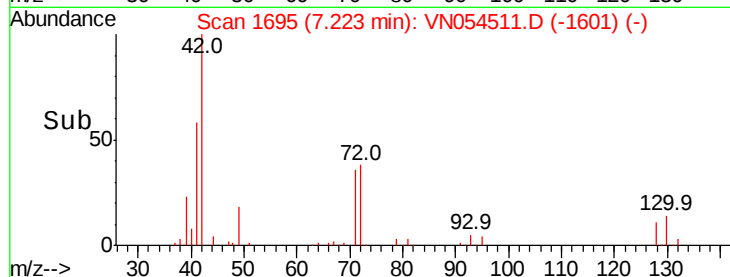
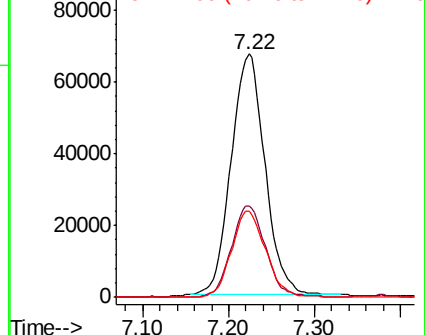
71 36.4 36.2 54.2



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 21.628 ug/l

RT: 7.37 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VN054511.D

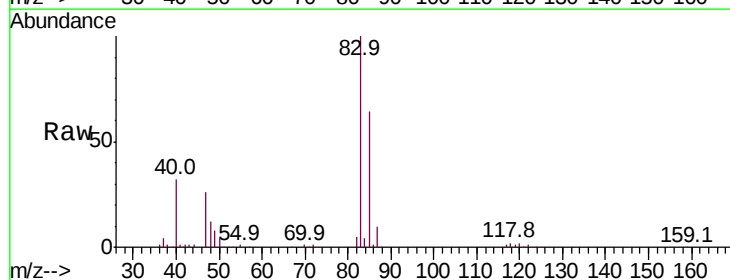
Acq: 21 Mar 2019 15:15

Tgt Ion: 83 Resp: 217804

Ion Ratio Lower Upper

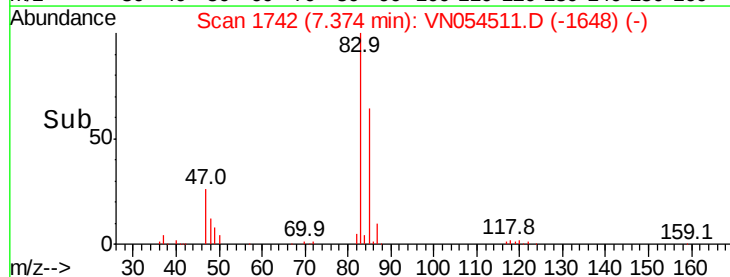
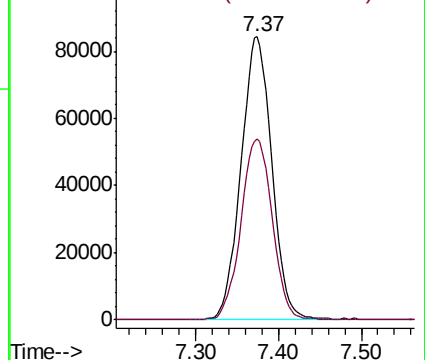
83 100

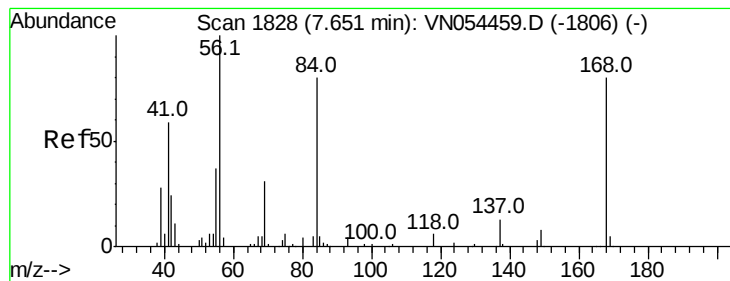
85 63.8 52.2 78.4



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 21.688 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN054511.D

Acq: 21 Mar 2019 15:15

Instrument :
MSVOA_N
ClientSampled :
VN0321MBS01

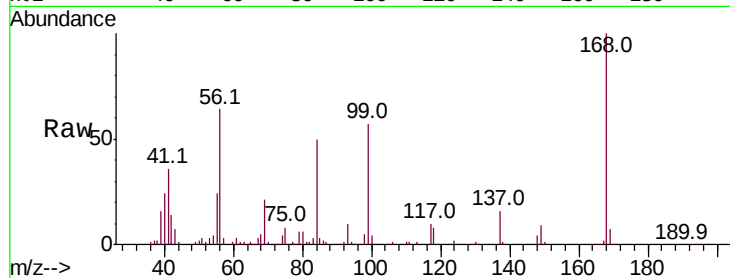
Tot Ion: 56 Resp: 224844

Ion Ratio Lower Upper

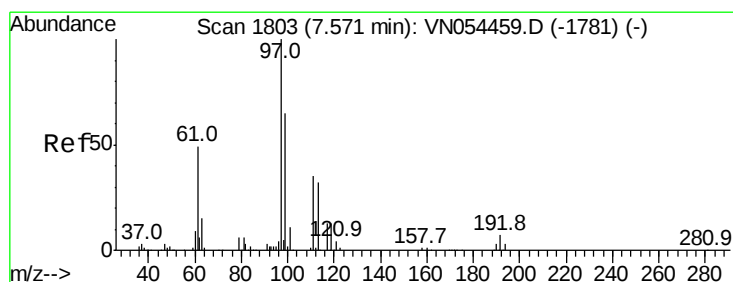
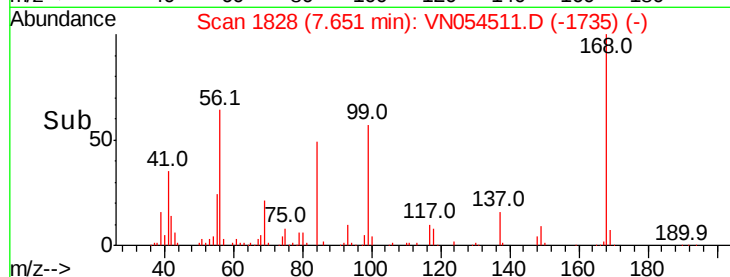
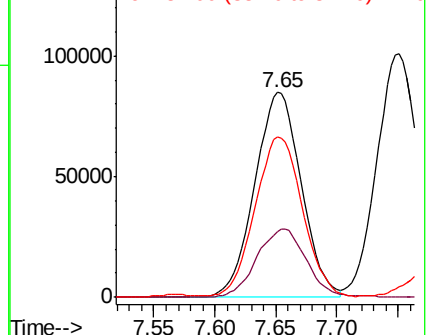
56 100

69 32.2 27.8 41.6

84 77.2 74.6 111.8



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



#32

1,1,1-Trichloroethane

Concen: 21.429 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN054511.D

Acq: 21 Mar 2019 15:15

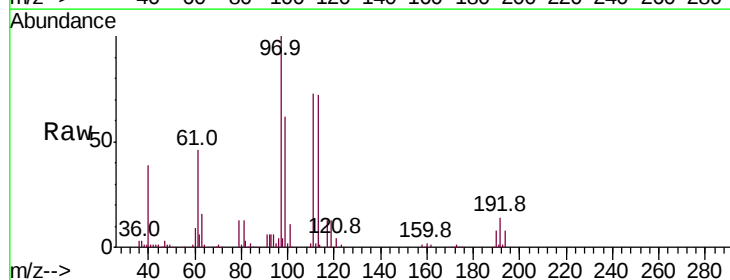
Tgt Ion: 97 Resp: 178031

Ion Ratio Lower Upper

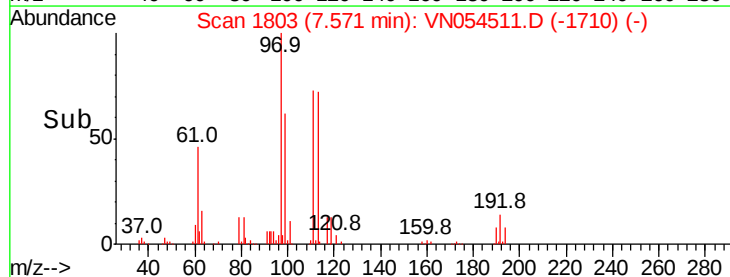
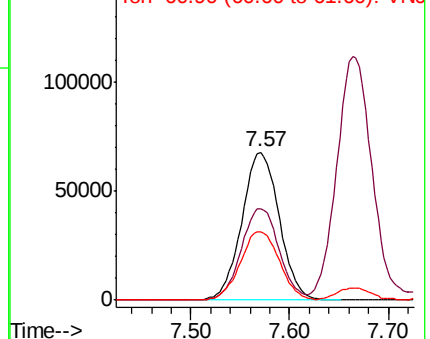
97 100

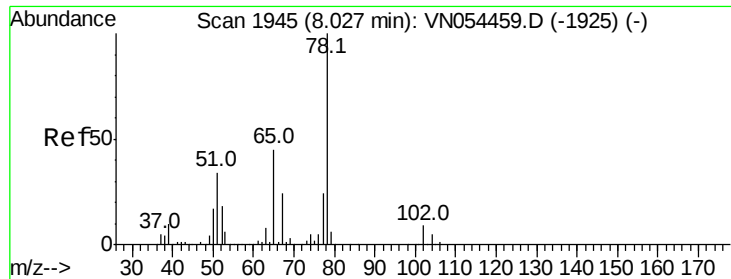
99 62.6 51.5 77.3

61 48.4 33.6 50.4



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





#33

1,2-Dichloroethane-d4

Concen: 52.666 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

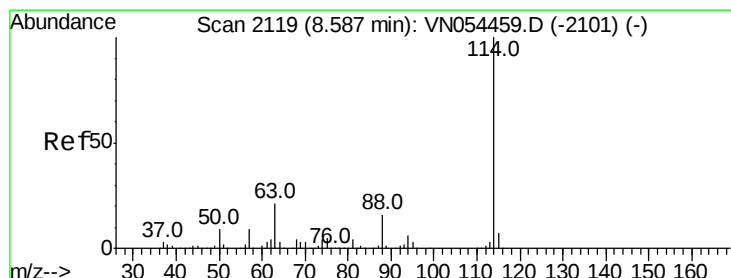
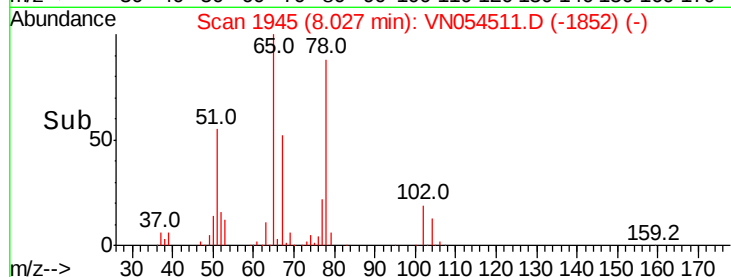
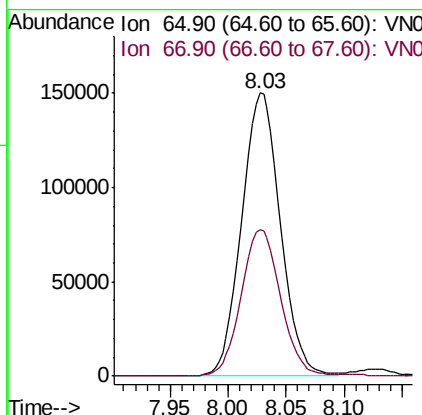
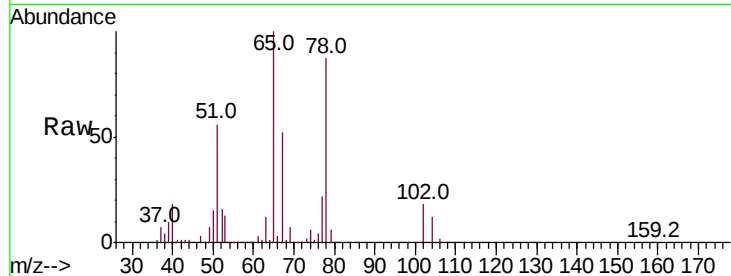
Lab File: VN054511.D

Acq: 21 Mar 2019 15:15

Instrument :
MSVOA_N
ClientSampleId :
VN0321MBS01

Tot Ion: 65 Resp: 350429

Ion	Ratio	Lower	Upper
65	100		
67	53.1	0.0	104.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

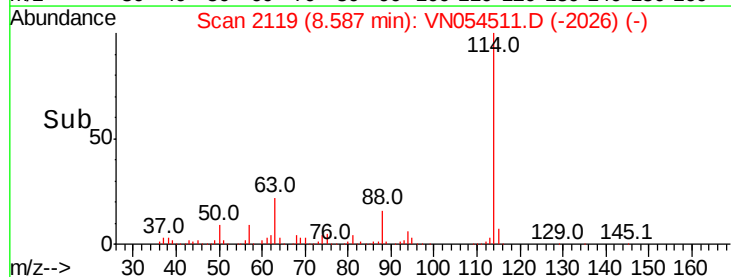
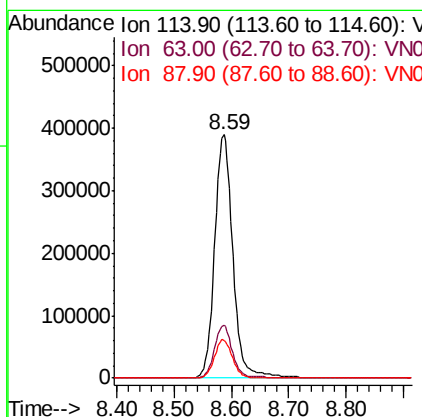
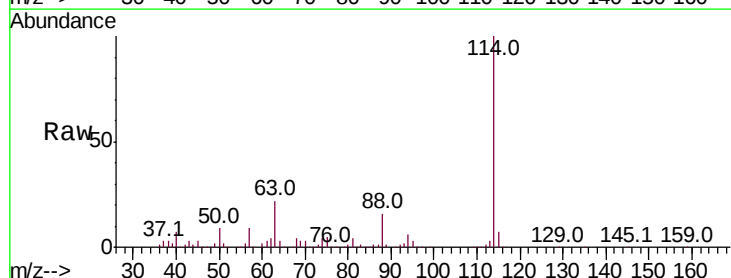
Delta R.T. 0.00 min

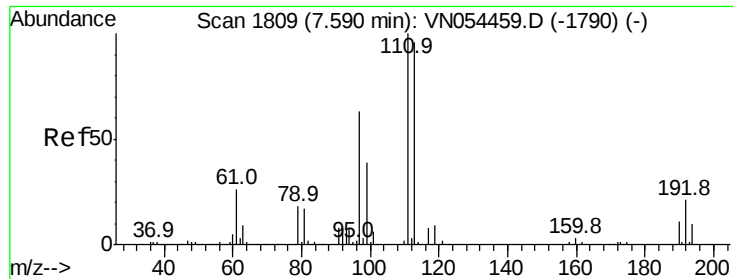
Lab File: VN054511.D

Acq: 21 Mar 2019 15:15

Tgt Ion: 114 Resp: 865876

Ion	Ratio	Lower	Upper
114	100		
63	21.8	0.0	35.2
88	15.6	0.0	30.2

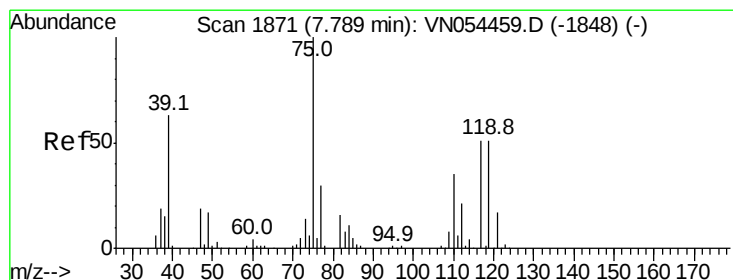
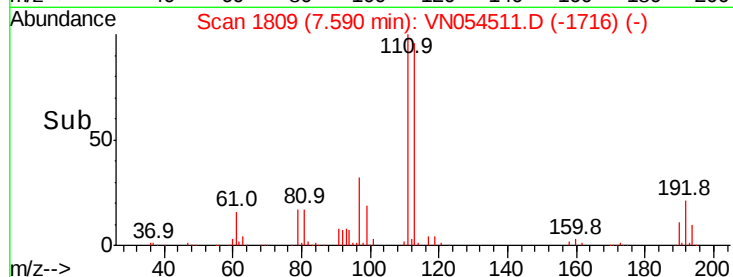
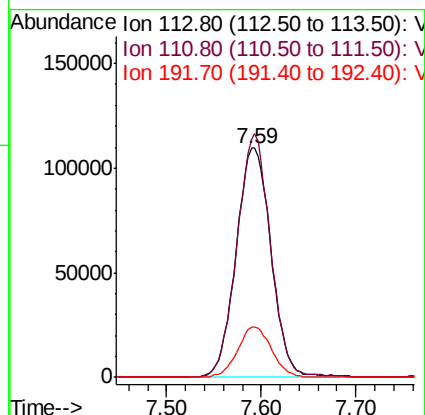
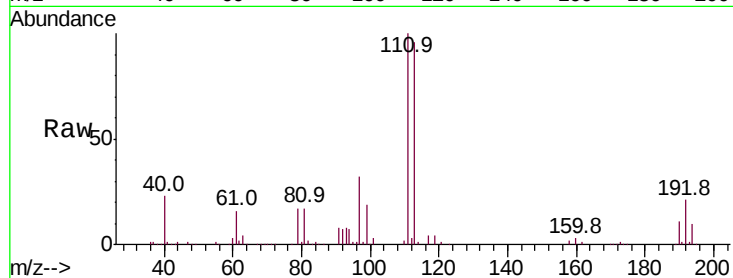




#35
 Dibromofluoromethane
 Concen: 50.448 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN054511.D
 Acq: 21 Mar 2019 15:15

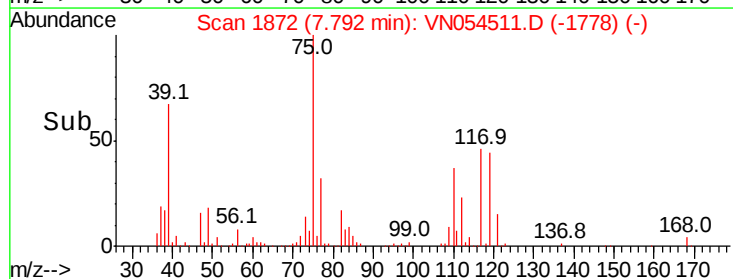
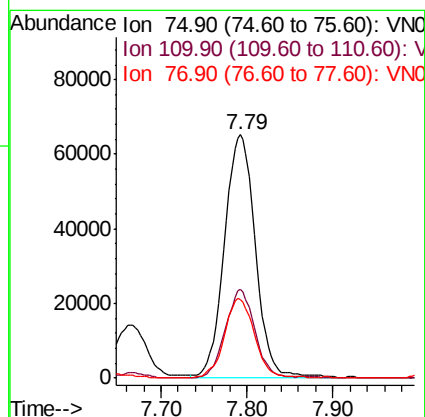
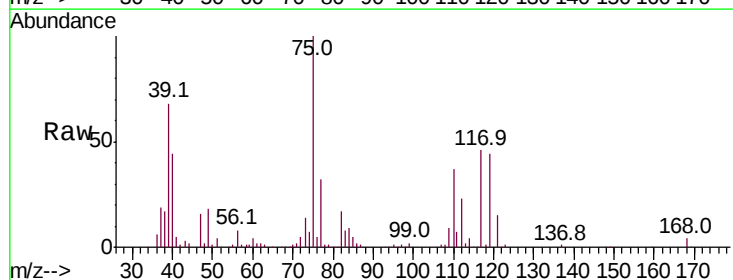
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0321MBS01

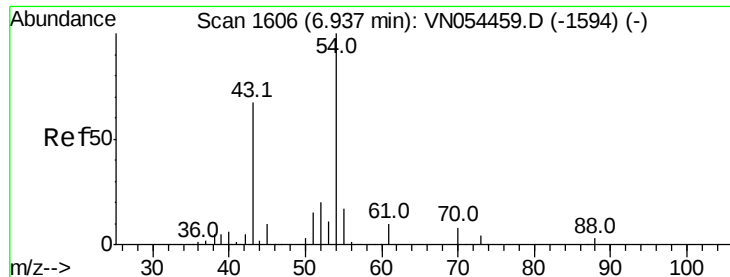
Tot Ion:113 Resp: 281419
 Ion Ratio Lower Upper
 113 100
 111 101.8 82.2 123.4
 192 21.4 19.2 28.8



#36
 1,1-Dichloropropene
 Concen: 19.955 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN054511.D
 Acq: 21 Mar 2019 15:15

Tgt Ion: 75 Resp: 161559
 Ion Ratio Lower Upper
 75 100
 110 35.0 19.1 57.5
 77 32.2 25.0 37.4





#37

Ethyl Acetate

Concen: 21.941 ug/l

RT: 6.94 min Scan# 1607

Delta R.T. 0.00 min

Lab File: VN054511.D

Acq: 21 Mar 2019 15:15

Instrument :

MSVOA_N

ClientSampleId :

VN0321MBS01

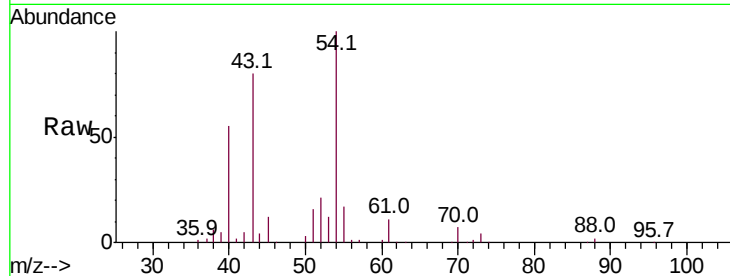
Tot Ion: 43 Resp: 126338

Ion Ratio Lower Upper

43 100

61 12.5 11.8 17.6

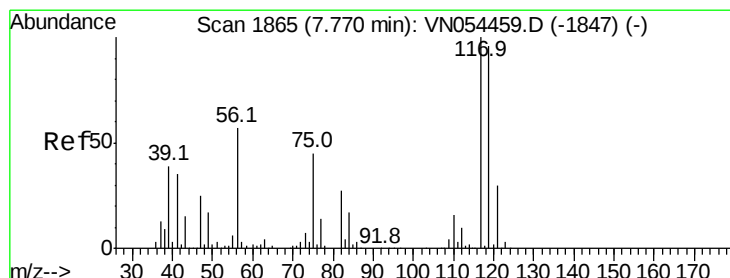
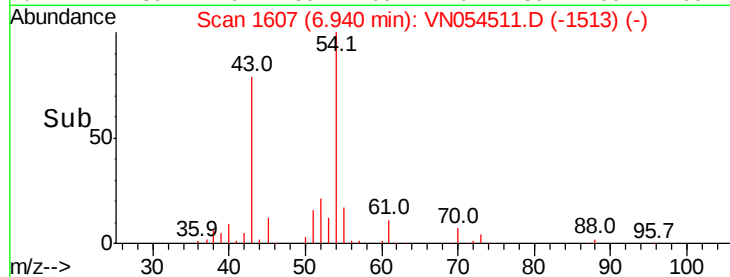
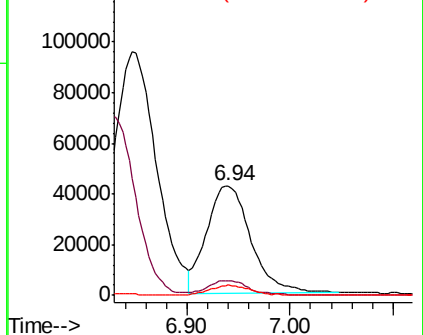
70 8.7 8.4 12.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 70.00 (69.70 to 70.70): VN0



#38

Carbon Tetrachloride

Concen: 19.220 ug/l

RT: 7.77 min Scan# 1866

Delta R.T. 0.00 min

Lab File: VN054511.D

Acq: 21 Mar 2019 15:15

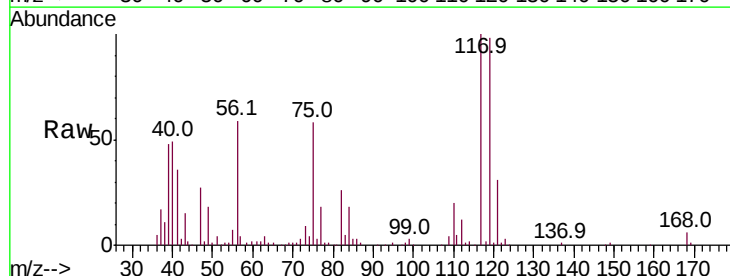
Tgt Ion: 117 Resp: 151212

Ion Ratio Lower Upper

117 100

119 98.4 76.3 114.5

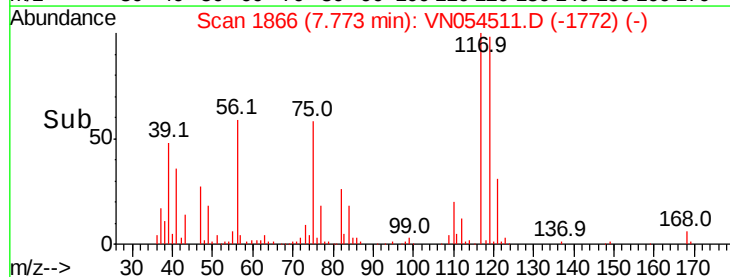
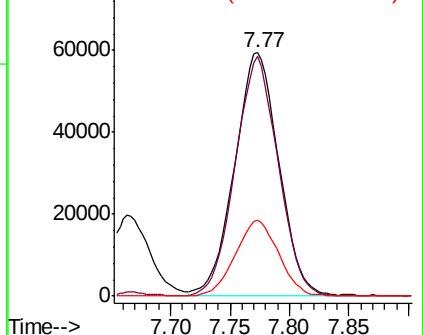
121 31.3 24.6 36.8

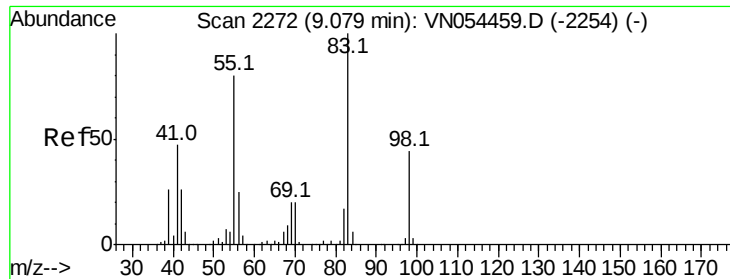


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

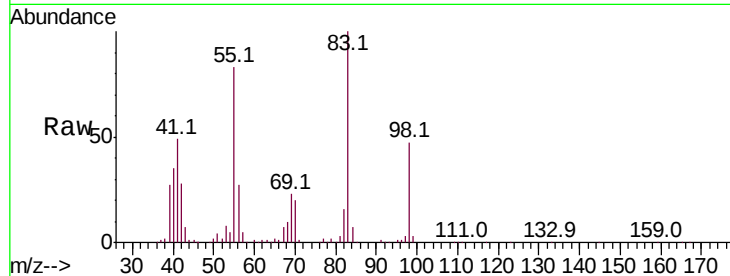




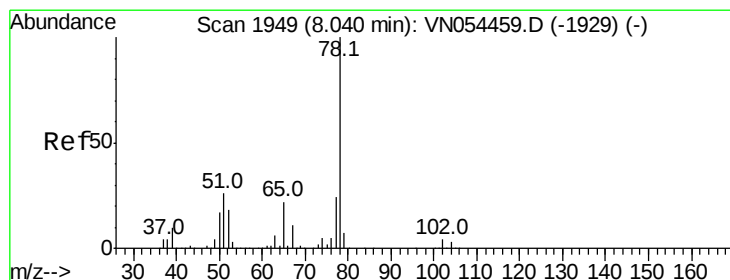
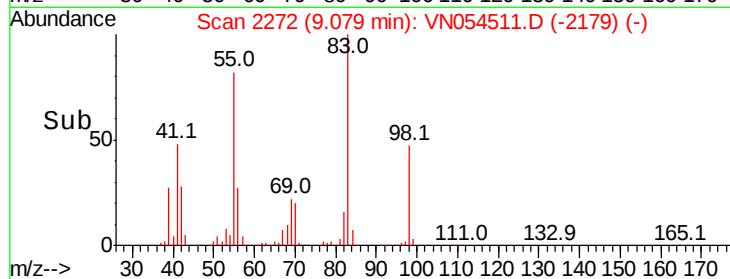
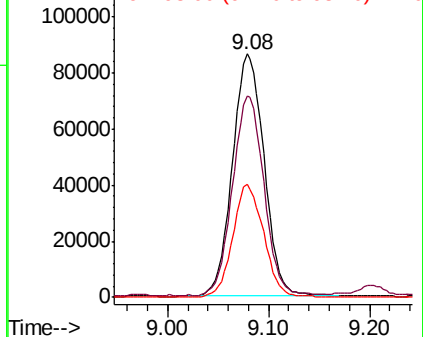
#39
Methvlcvclohexane
Concen: 20.348 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN054511.D
Acq: 21 Mar 2019 15:15

Instrument :
MSVOA_N
ClientSampled :
VN0321MBS01

Tot Ion: 83 Resp: 188442
Ion Ratio Lower Upper
83 100
55 82.2 56.6 84.8
98 46.7 38.4 57.6

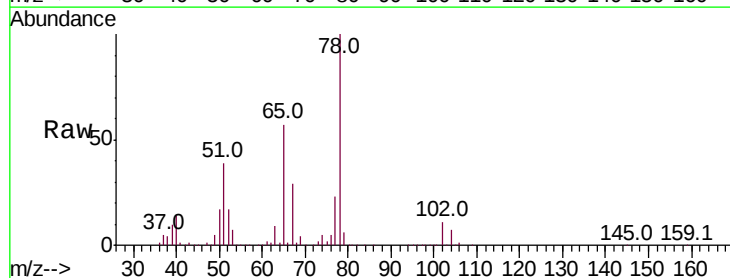


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

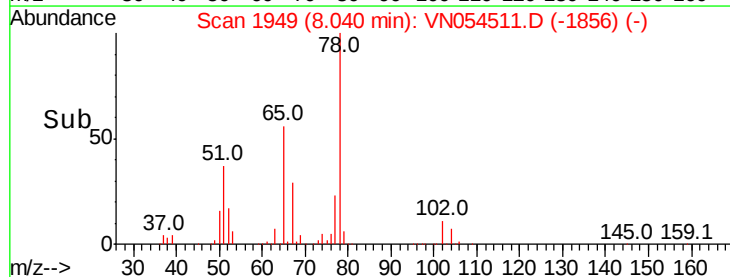
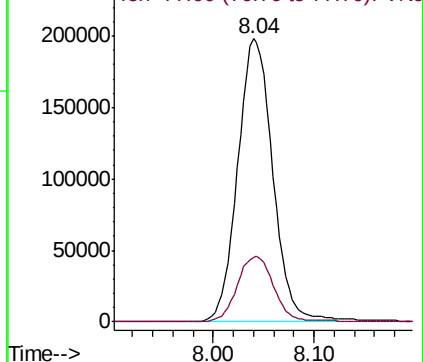


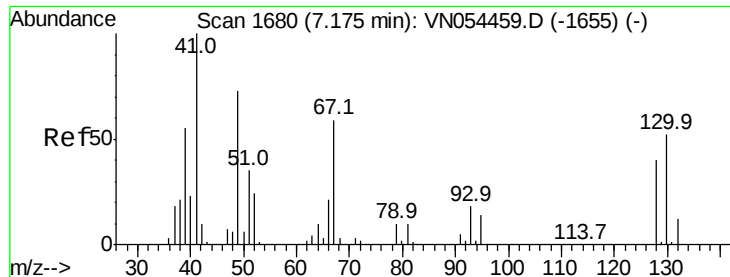
#40
Benzene
Concen: 20.579 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN054511.D
Acq: 21 Mar 2019 15:15

Tgt Ion: 78 Resp: 476423
Ion Ratio Lower Upper
78 100
77 22.9 19.1 28.7



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

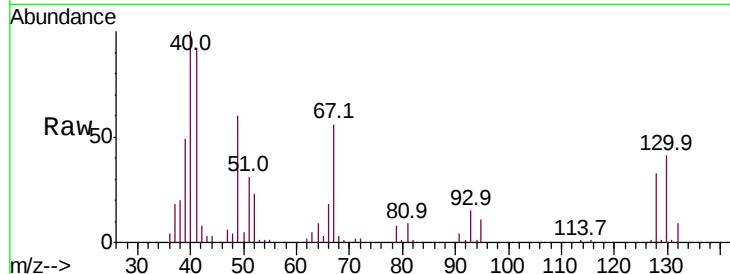




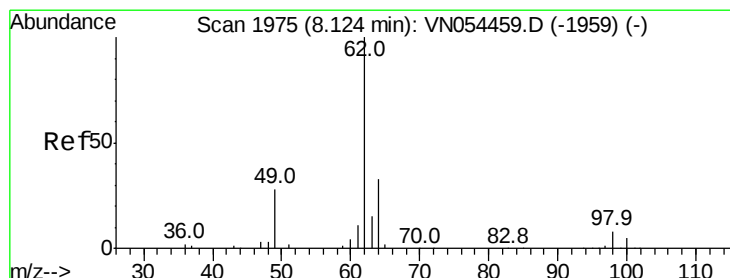
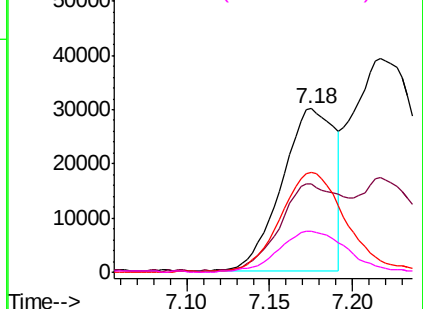
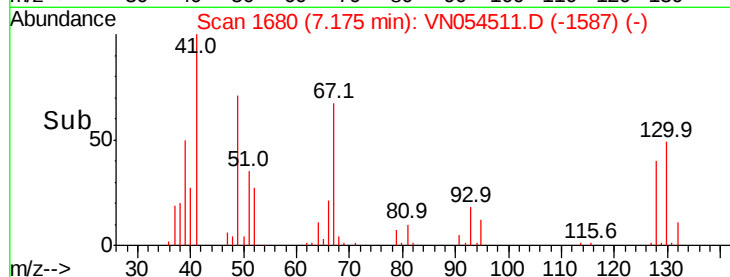
#41
Methacrylonitrile
Concen: 19.013 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN054511.D
Acq: 21 Mar 2019 15:15

Instrument :
MSVOA_N
ClientSampleId :
VN0321MBS01

Tot Ion: 41 Resp: 66767
Ion Ratio Lower Upper
41 100
39 61.8 46.8 70.2
67 76.3 67.0 100.4
52 33.2 26.5 39.7

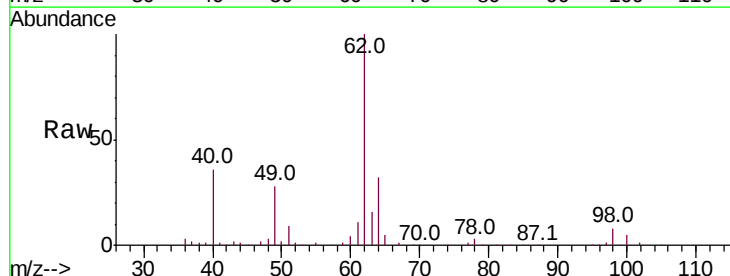


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

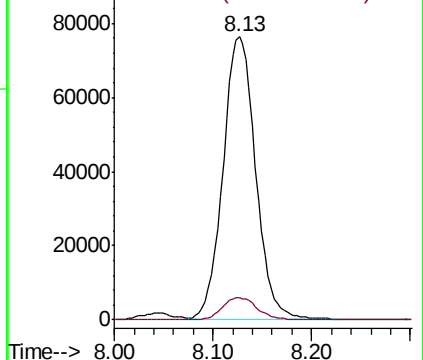
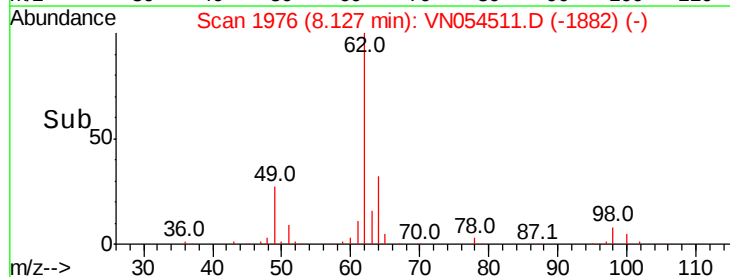


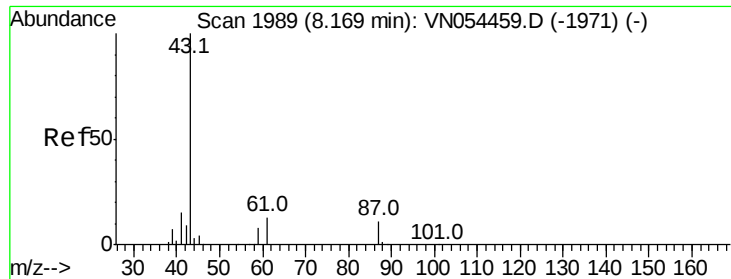
#42
1,2-Dichloroethane
Concen: 20.853 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN054511.D
Acq: 21 Mar 2019 15:15

Tgt Ion: 62 Resp: 175814
Ion Ratio Lower Upper
62 100
98 8.4 0.0 18.4



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





#43

Isopropyl Acetate

Concen: 21.303 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. -0.00 min

Lab File: VN054511.D

Acq: 21 Mar 2019 15:15

Instrument :

MSVOA_N

ClientSampleId :

VN0321MBS01

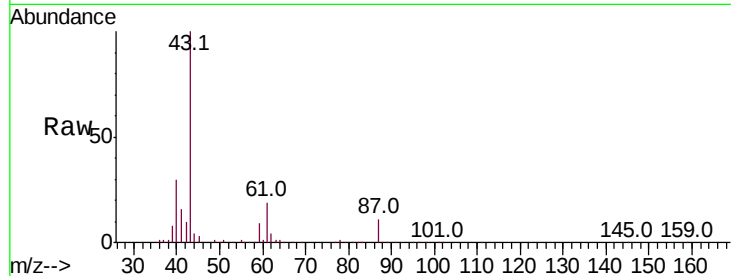
Tot Ion: 43 Resp: 207161

Ion Ratio Lower Upper

43 100

61 18.1 15.8 23.8

87 11.6 12.0 18.0#

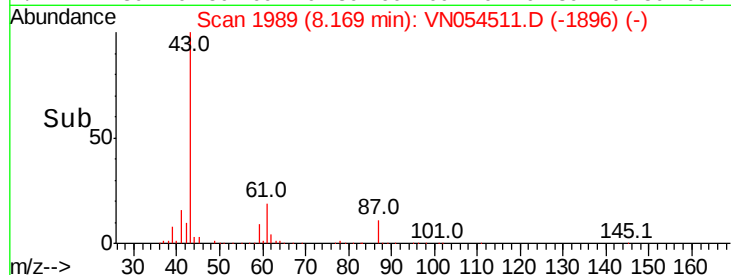


Abundance Ion 43.00 (42.70 to 43.70): VN054459.D (-1971) (-)

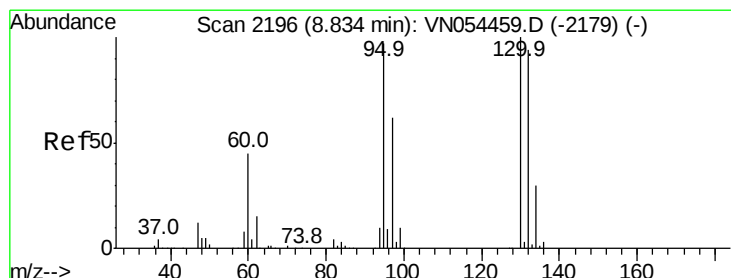
Ion 61.00 (60.70 to 61.70): VN054459.D (-1971) (-)

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

8.17



Time-->



#44

Trichloroethene

Concen: 20.195 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN054511.D

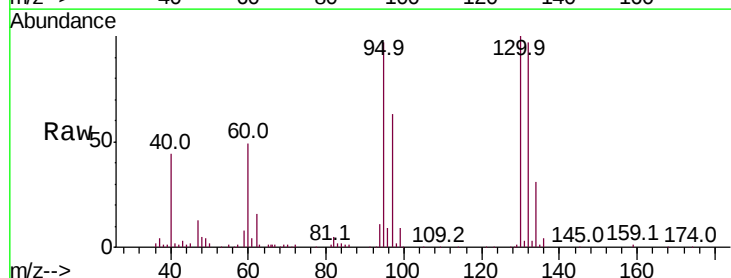
Acq: 21 Mar 2019 15:15

Tgt Ion:130 Resp: 129985

Ion Ratio Lower Upper

130 100

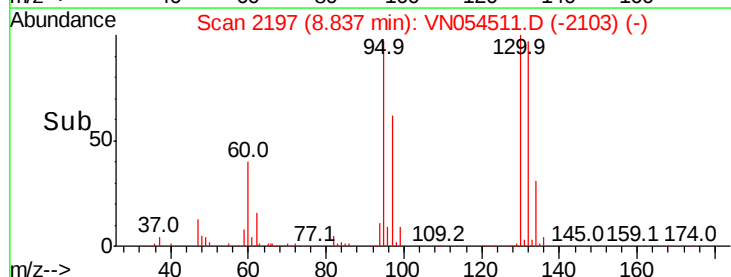
95 96.7 0.0 185.2



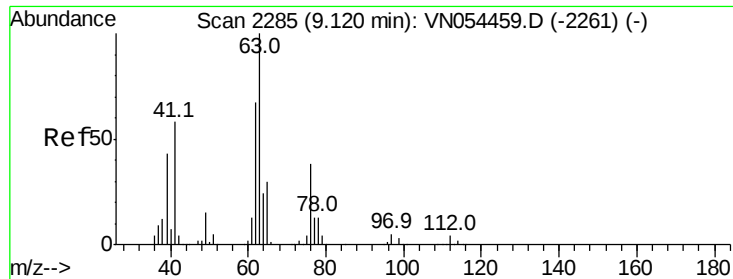
Abundance Ion 129.80 (129.50 to 130.50): VN054459.D (-2179) (-)

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

8.84



Time-->



#45

1,2-Dichloropropane

Concen: 21.995 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. -0.00 min

Lab File: VN054511.D

Acq: 21 Mar 2019 15:15

Instrument :

MSVOA_N

ClientSampleId :

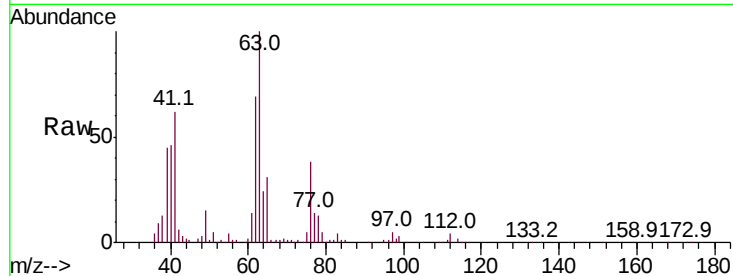
VN0321MBS01

Tot Ion: 63 Resp: 136734

Ion Ratio Lower Upper

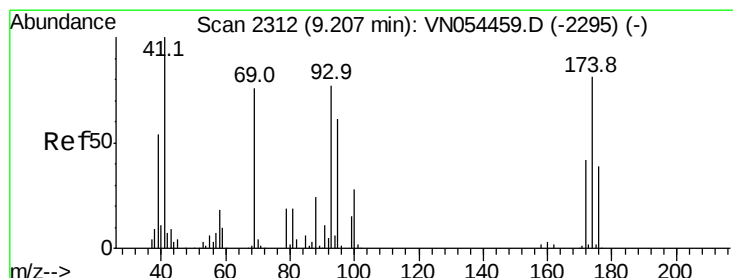
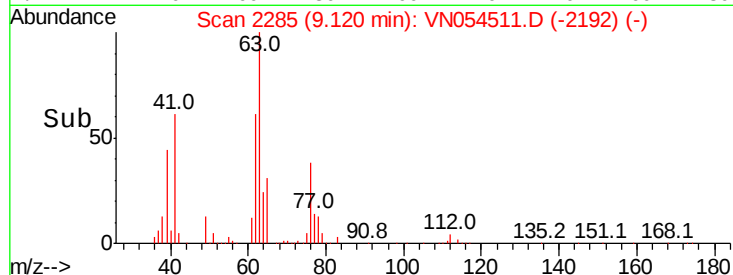
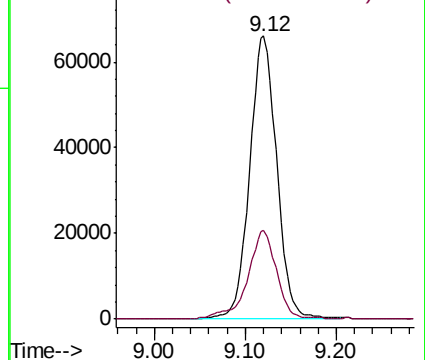
63 100

65 31.2 25.0 37.6



Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 64.90 (64.60 to 65.60): VNO



#46

Dibromomethane

Concen: 20.669 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN054511.D

Acq: 21 Mar 2019 15:15

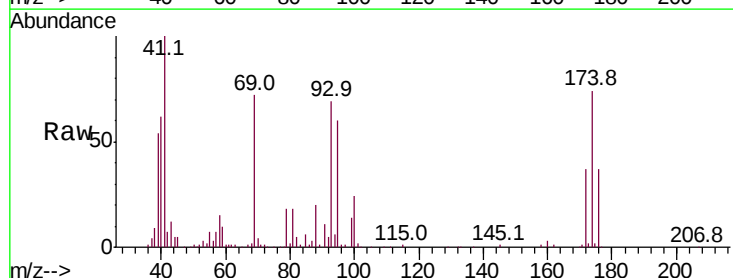
Tgt Ion: 93 Resp: 76654

Ion Ratio Lower Upper

93 100

95 83.6 66.7 100.1

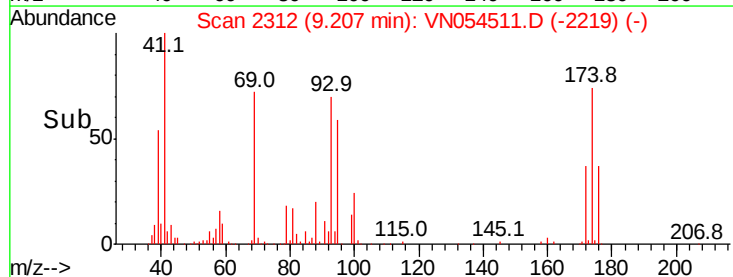
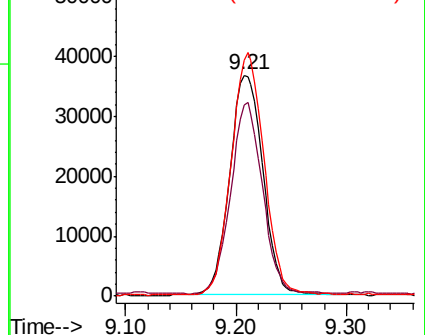
174 108.6 98.5 147.7

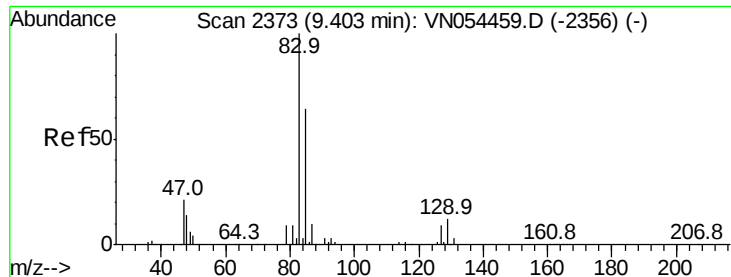


Abundance Ion 92.80 (92.50 to 93.50): VNO

Ion 94.80 (94.50 to 95.50): VNO

Ion 173.70 (173.40 to 174.40): VNO





#47

Bromodichloromethane

Concen: 20.767 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN054511.D

Acq: 21 Mar 2019 15:15

Instrument :

MSVOA_N

ClientSampled :

VN0321MBS01

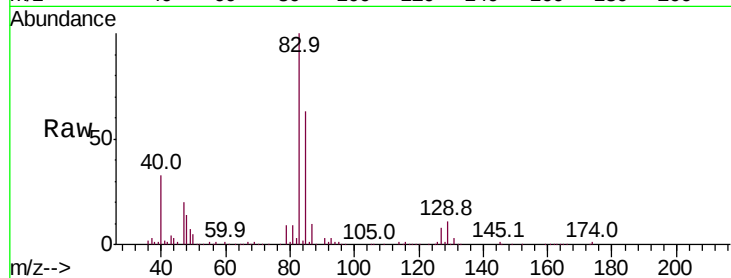
Tot Ion: 83 Resp: 159837

Ion Ratio Lower Upper

83 100

85 63.2 52.8 79.2

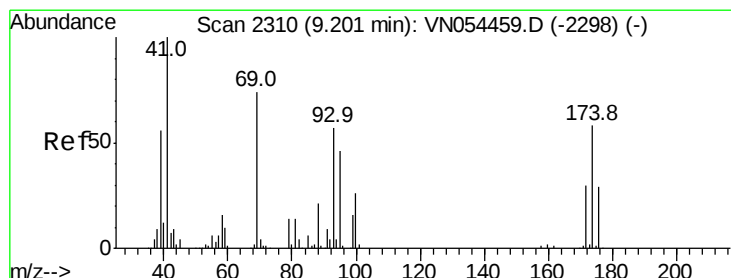
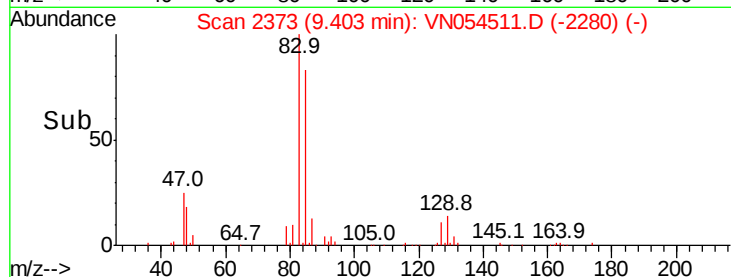
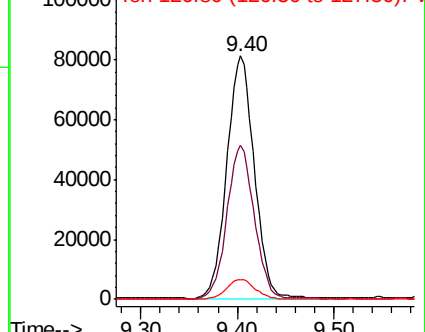
127 8.3 7.4 11.2



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): VN0



#48

Methyl methacrylate

Concen: 20.848 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN054511.D

Acq: 21 Mar 2019 15:15

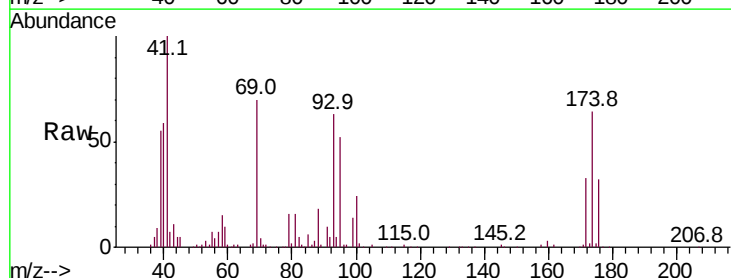
Tgt Ion: 41 Resp: 110041

Ion Ratio Lower Upper

41 100

69 74.7 72.6 108.8

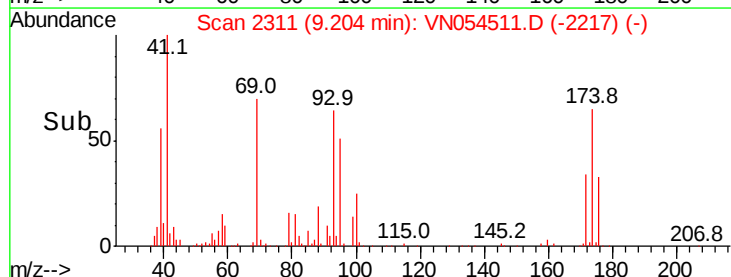
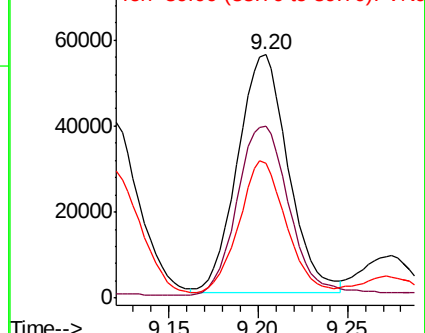
39 54.4 47.5 71.3

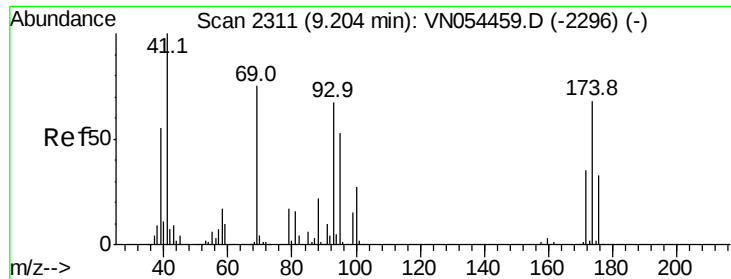


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#49

1,4-Dioxane

Concen: 390.188 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN054511.D

Acq: 21 Mar 2019 15:15

Instrument :

MSVOA_N

ClientSampleId :

VN0321MBS01

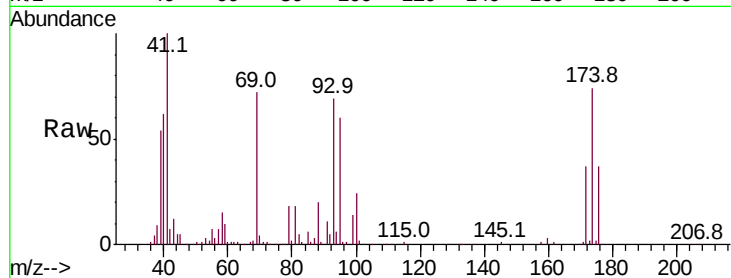
Tot Ion: 88 Resp: 23024

Ion Ratio Lower Upper

88 100

43 45.1 24.1 36.1#

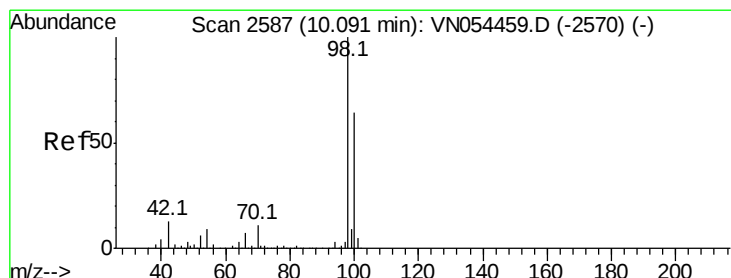
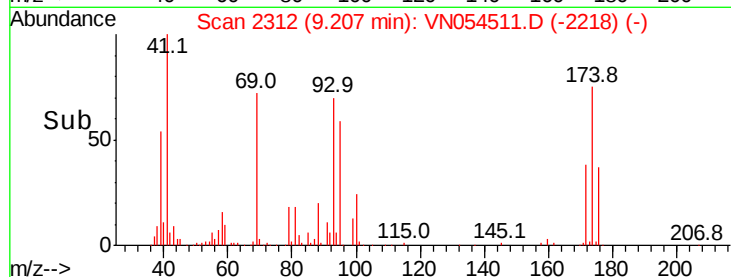
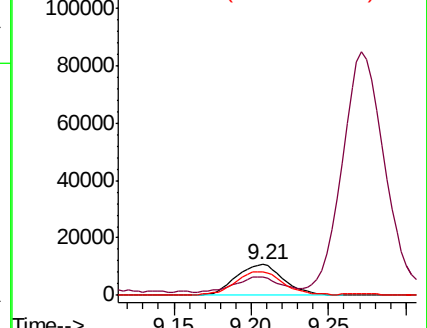
58 78.3 50.8 76.2#



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 49.382 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN054511.D

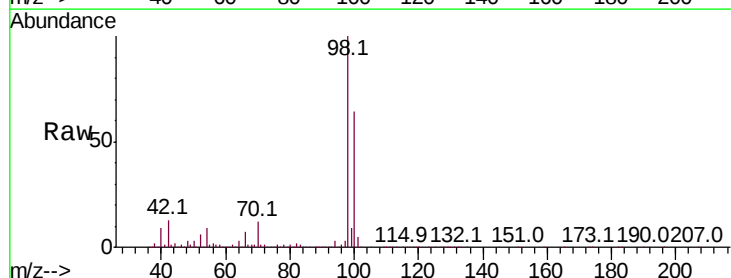
Acq: 21 Mar 2019 15:15

Tgt Ion: 98 Resp: 1035607

Ion Ratio Lower Upper

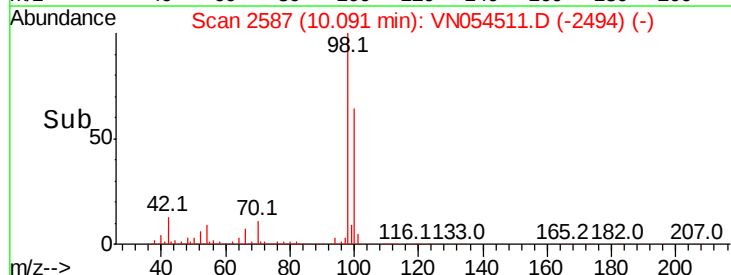
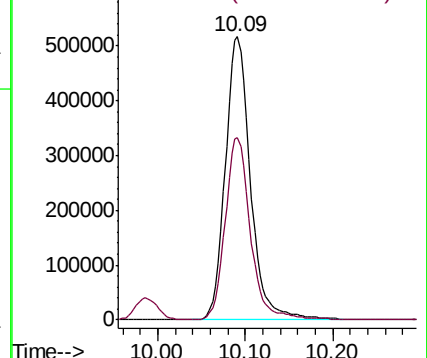
98 100

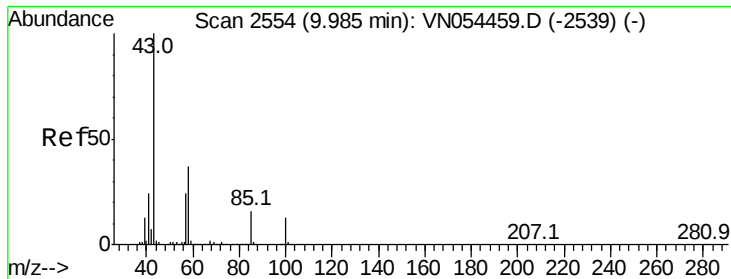
100 63.9 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 109.159 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN054511.D

Acq: 21 Mar 2019 15:15

Instrument :

MSVOA_N

ClientSampleId :

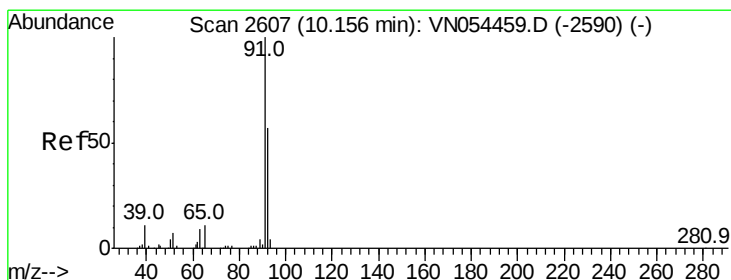
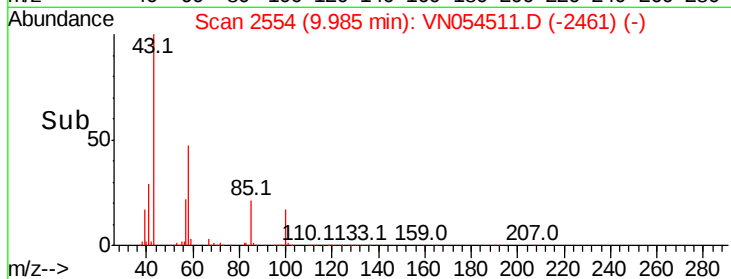
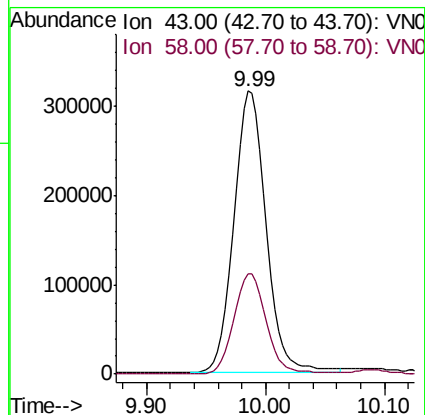
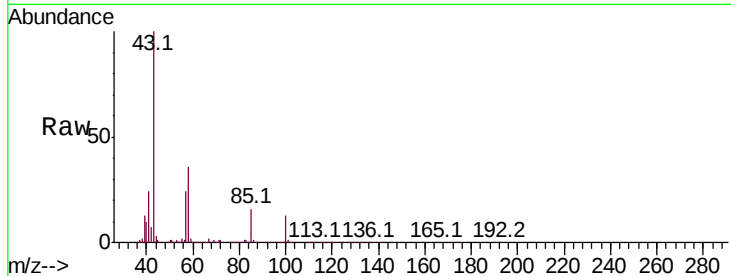
VN0321MBS01

Tot Ion: 43 Resp: 588308

Ion Ratio Lower Upper

43 100

58 36.4 31.8 47.6



#52

Toluene

Concen: 20.111 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN054511.D

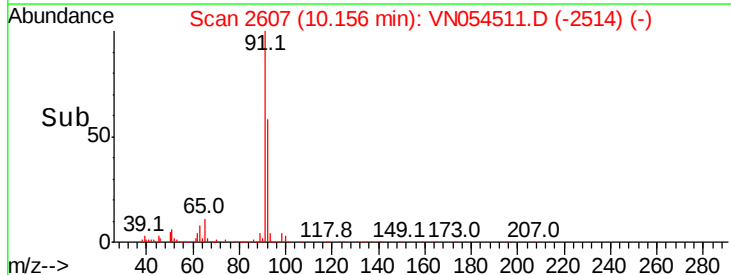
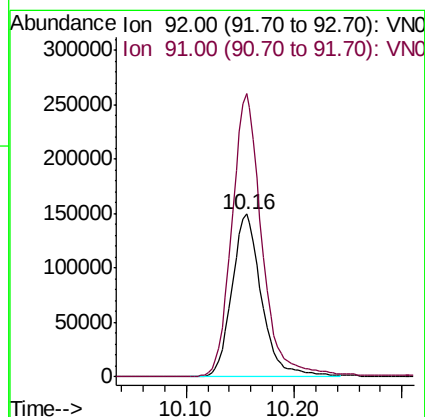
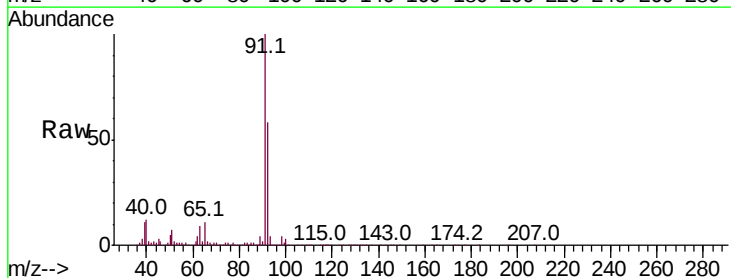
Acq: 21 Mar 2019 15:15

Tgt Ion: 92 Resp: 286363

Ion Ratio Lower Upper

92 100

91 176.6 140.7 211.1





#53

t-1,3-Dichloropropene

Concen: 19.021 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN054511.D

Acq: 21 Mar 2019 15:15

Instrument :

MSVOA_N

ClientSampleId :

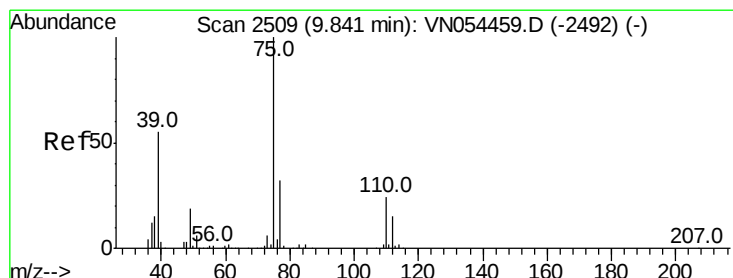
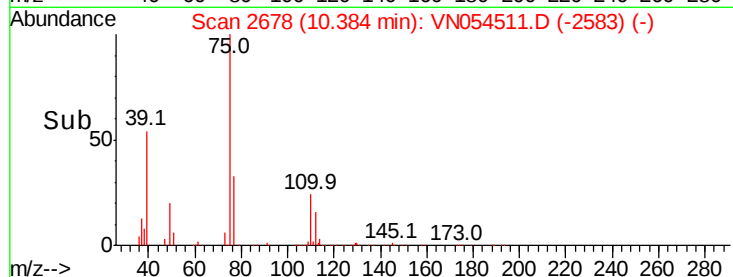
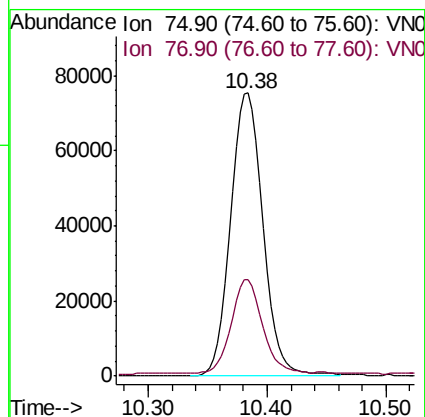
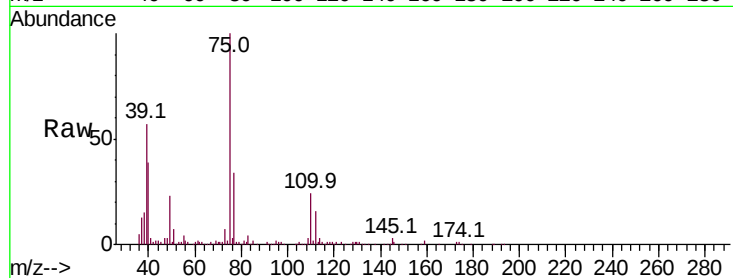
VN0321MBS01

Tot Ion: 75 Resp: 142681

Ion Ratio Lower Upper

75 100

77 33.1 25.8 38.8



#54

cis-1,3-Dichloropropene

Concen: 20.438 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. -0.00 min

Lab File: VN054511.D

Acq: 21 Mar 2019 15:15

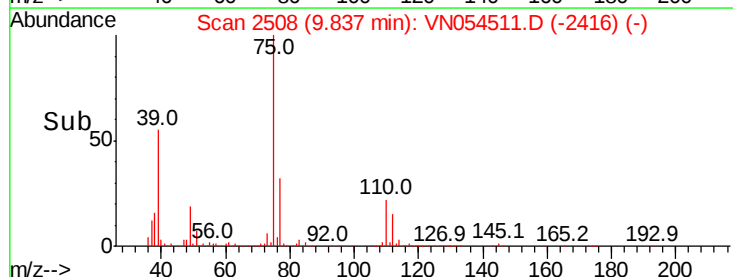
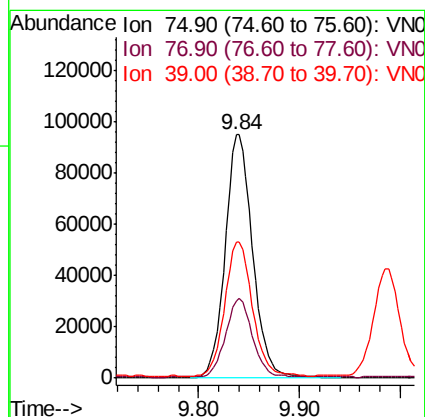
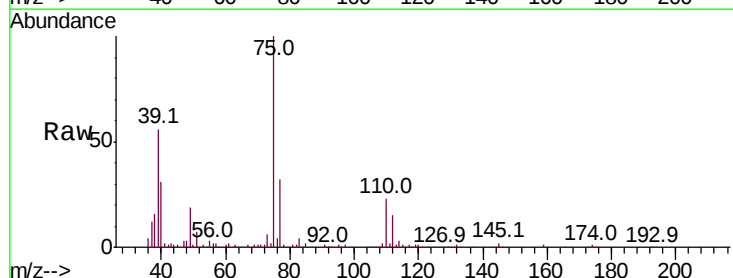
Tgt Ion: 75 Resp: 180369

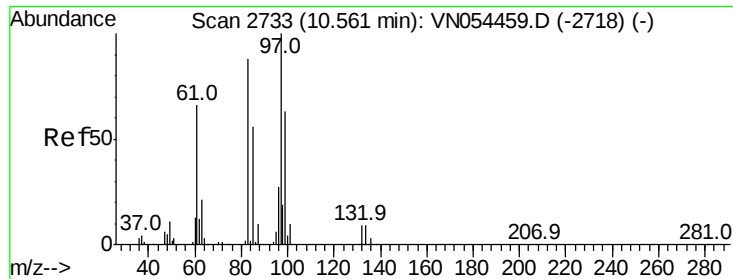
Ion Ratio Lower Upper

75 100

77 31.4 25.4 38.0

39 54.9 37.2 55.8





#55

1,1,2-Trichloroethane

Concen: 20.807 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VN054511.D

Acq: 21 Mar 2019 15:15

Instrument :

MSVOA_N

ClientSampleId :

VN0321MBS01

Tot Ion: 97 Resp: 106499

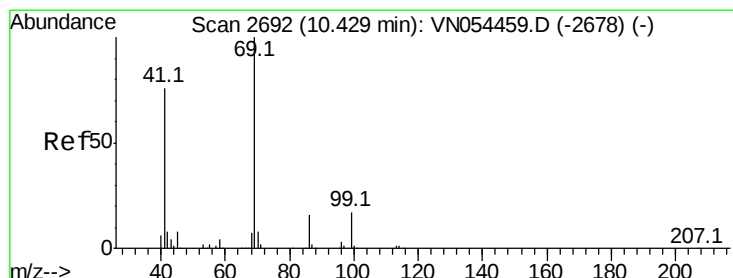
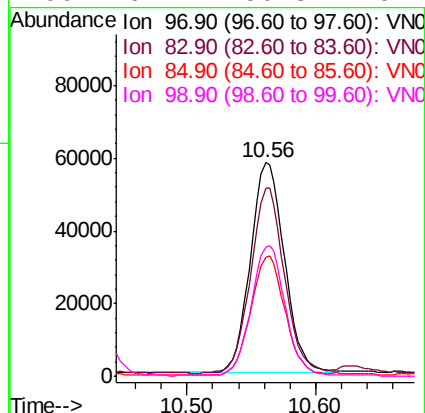
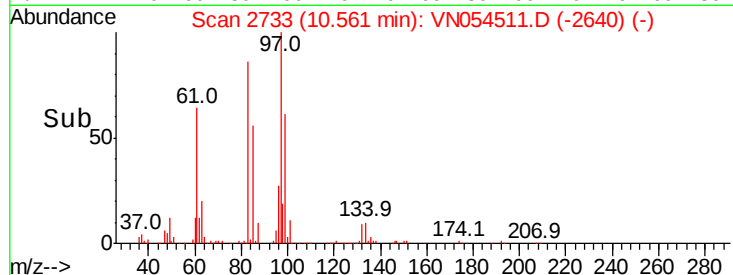
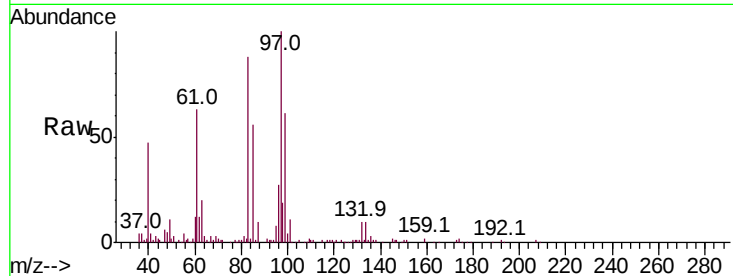
Ion	Ratio	Lower	Upper
97	100		
83	88.2	66.6	100.0
85	56.2	44.4	66.6
99	61.1	50.8	76.2

Ion 97 100

83 88.2 66.6 100.0

85 56.2 44.4 66.6

99 61.1 50.8 76.2



#56

Ethyl methacrylate

Concen: 21.398 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN054511.D

Acq: 21 Mar 2019 15:15

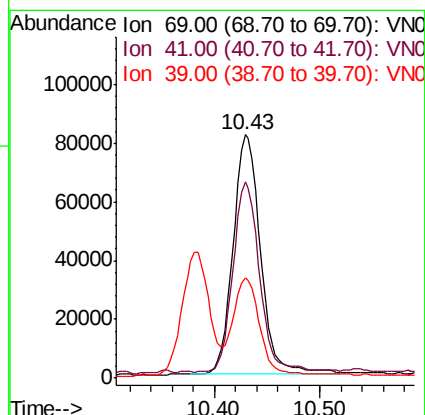
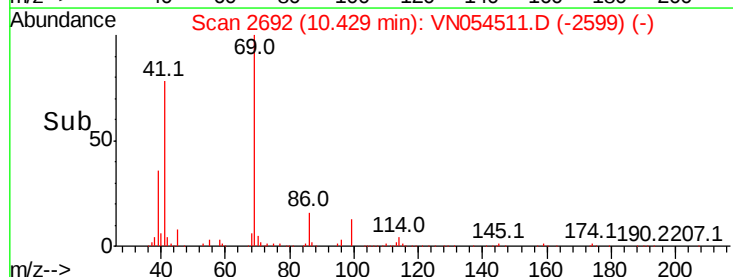
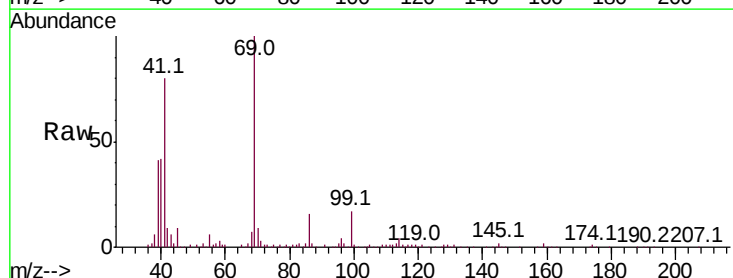
Tgt Ion: 69 Resp: 147003

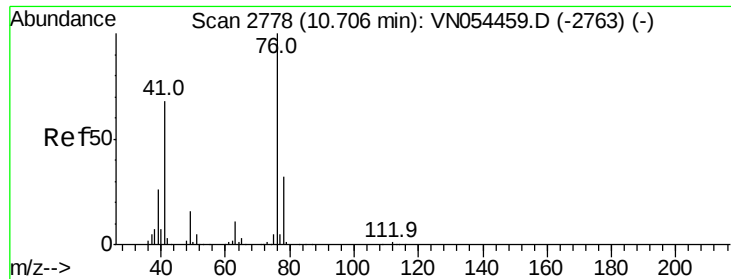
Ion	Ratio	Lower	Upper
69	100		
41	76.6	49.4	74.2#
39	38.8	28.3	42.5

Ion 69 100

41 76.6 49.4 74.2#

39 38.8 28.3 42.5





#57

1,3-Dichloropropane

Concen: 21.220 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN054511.D

Acq: 21 Mar 2019 15:15

Instrument :

MSVOA_N

ClientSampled :

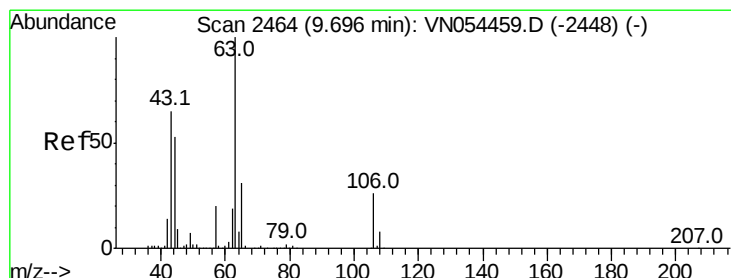
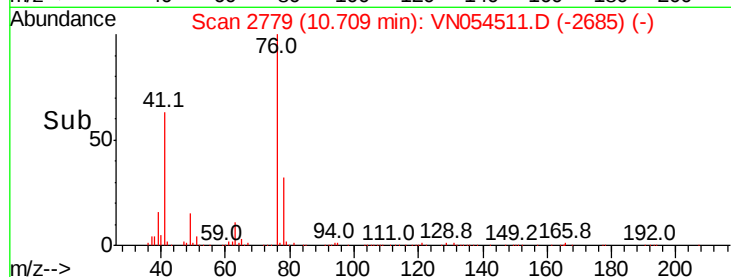
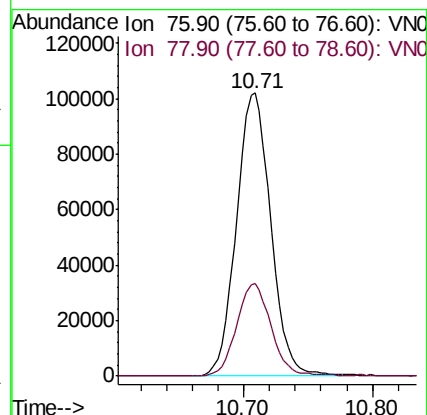
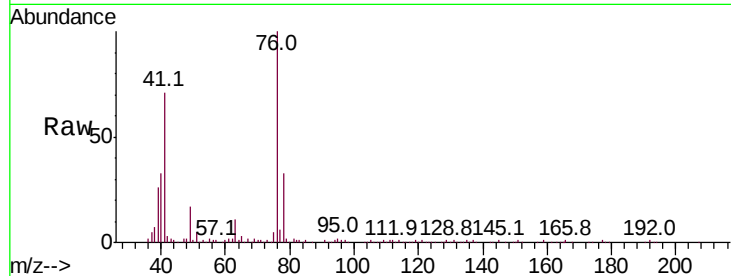
VN0321MBS01

Tot Ion: 76 Resp: 188800

Ion Ratio Lower Upper

76 100

78 32.4 25.7 38.5



#58

2-Chloroethyl Vinyl ether

Concen: 99.236 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN054511.D

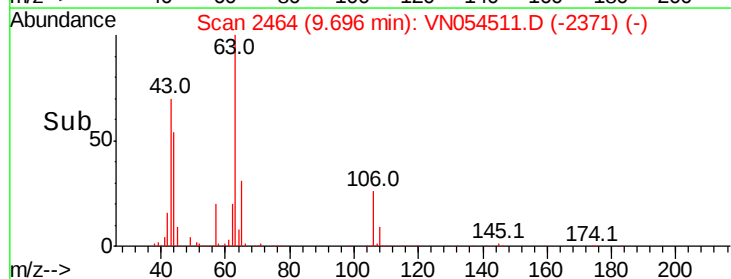
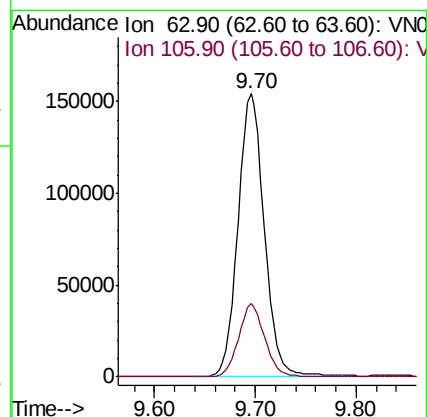
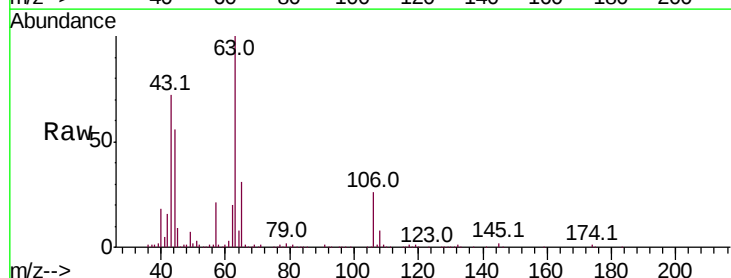
Acq: 21 Mar 2019 15:15

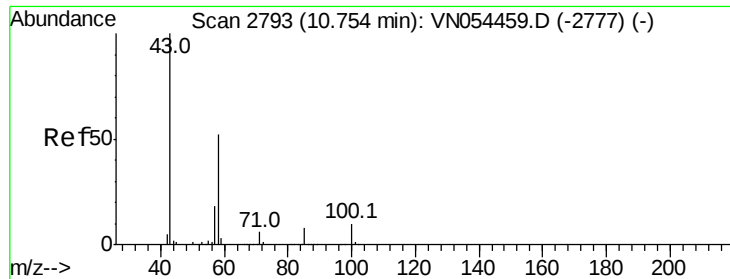
Tgt Ion: 63 Resp: 280725

Ion Ratio Lower Upper

63 100

106 25.6 24.4 36.6

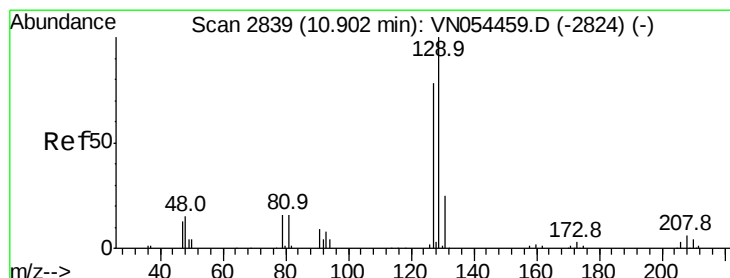
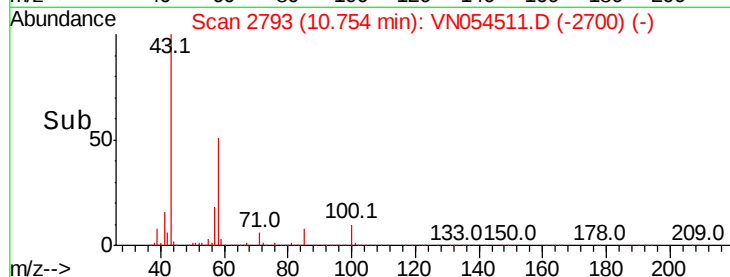
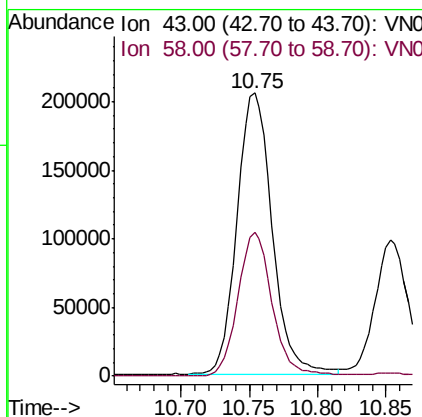
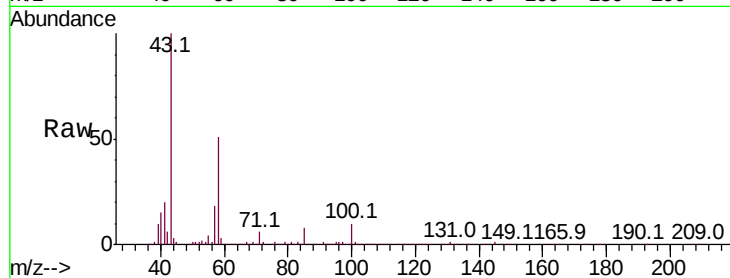




#59
2-Hexanone
Concen: 104.274 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN054511.D
Acq: 21 Mar 2019 15:15

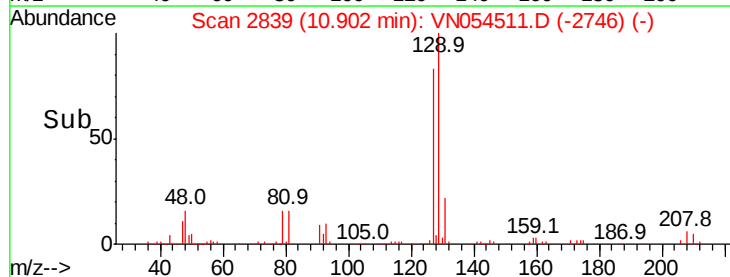
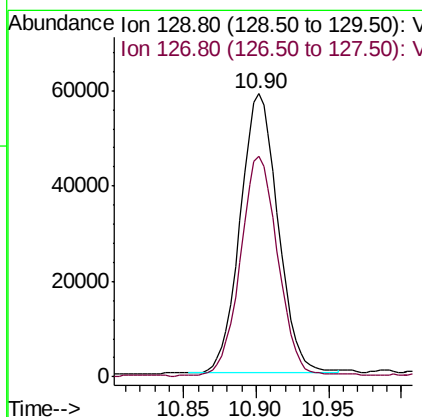
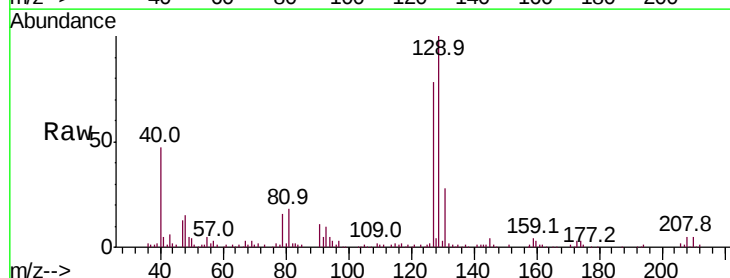
Instrument :
MSVOA_N
ClientSampled :
VN0321MBS01

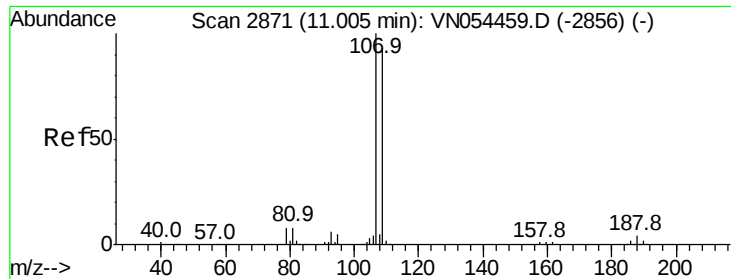
Tot Ion: 43 Resp: 367080
Ion Ratio Lower Upper
43 100
58 49.8 28.0 83.9



#60
Dibromochloromethane
Concen: 19.472 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN054511.D
Acq: 21 Mar 2019 15:15

Tgt Ion: 129 Resp: 106051
Ion Ratio Lower Upper
129 100
127 78.6 38.6 115.8





#61

1,2-Dibromoethane

Concen: 20.930 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN054511.D

Acq: 21 Mar 2019 15:15

Instrument :

MSVOA_N

ClientSampleId :

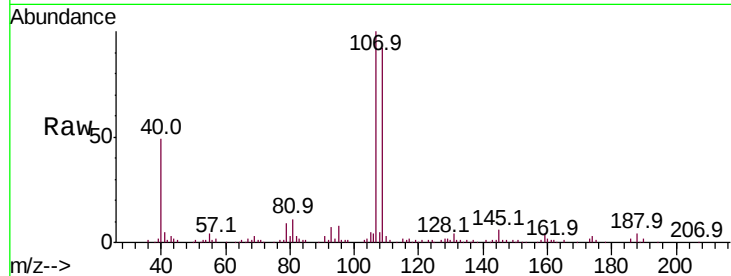
VN0321MBS01

Tot Ion:107 Resp: 105909

Ion Ratio Lower Upper

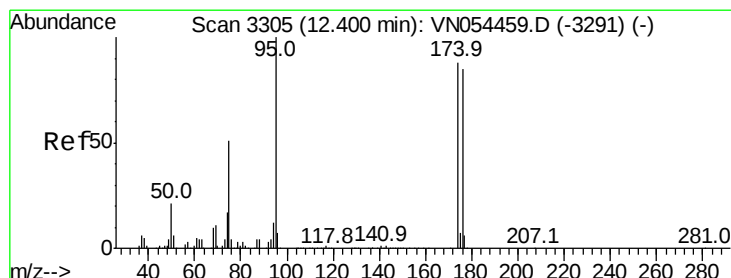
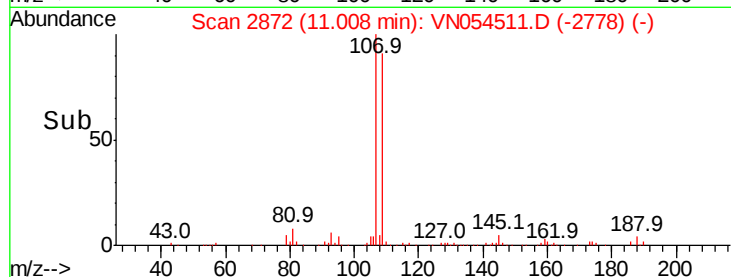
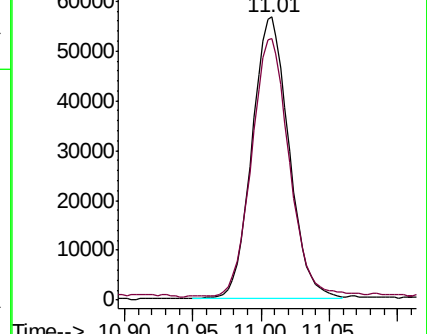
107 100

109 93.3 75.9 113.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 48.300 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN054511.D

Acq: 21 Mar 2019 15:15

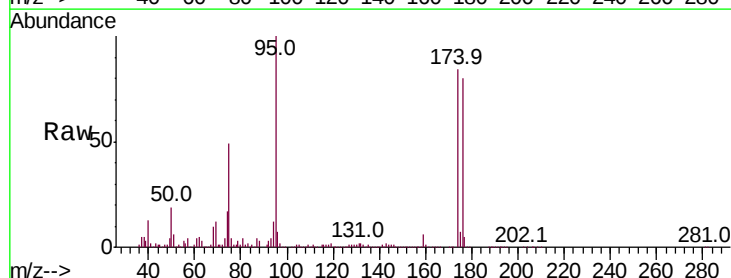
Tgt Ion: 95 Resp: 344675

Ion Ratio Lower Upper

95 100

174 83.4 0.0 191.0

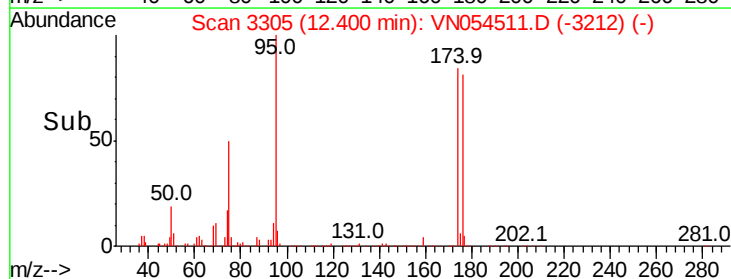
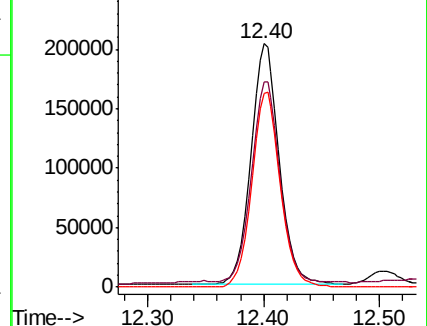
176 81.8 0.0 187.4

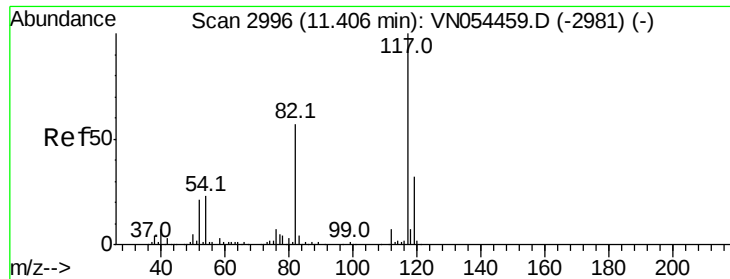


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

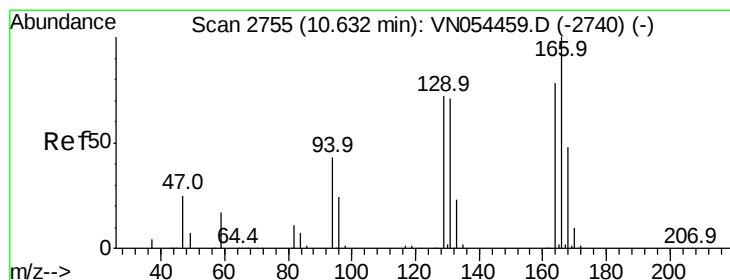
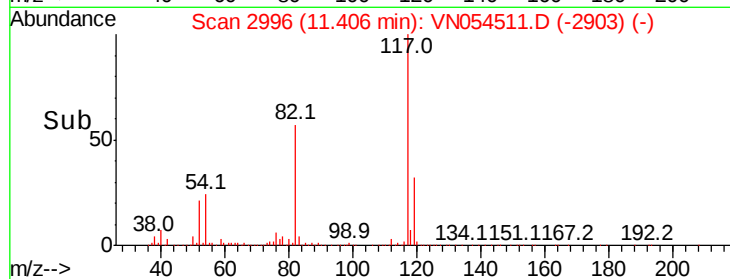
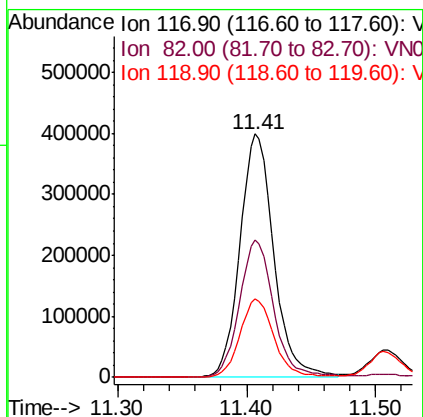
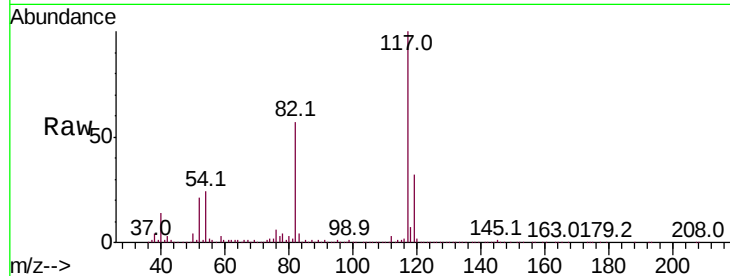




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054511.D
Acq: 21 Mar 2019 15:15

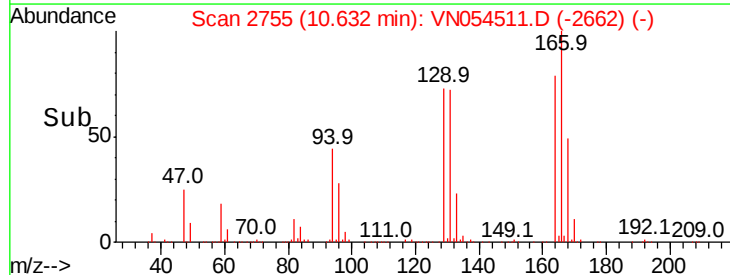
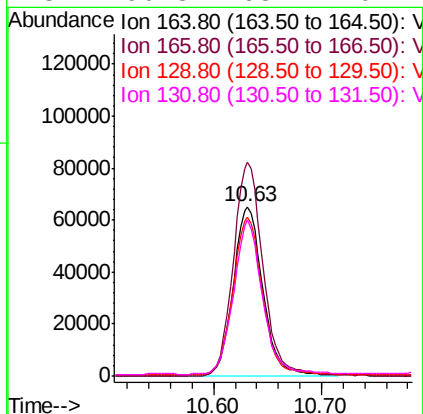
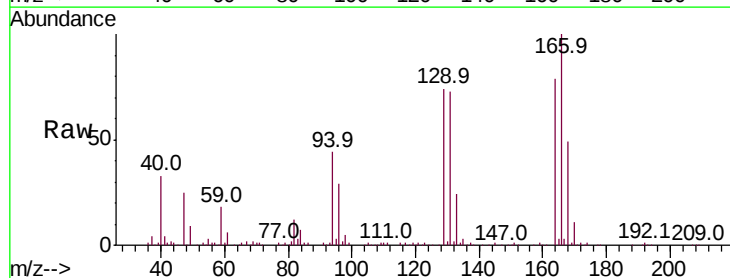
Instrument :
MSVOA_N
ClientSampled :
VN0321MBS01

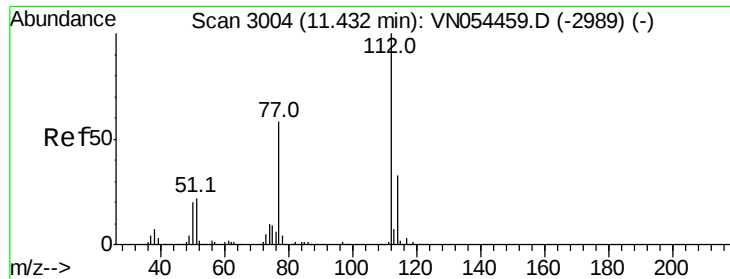
Tot Ion:117 Resp: 722669
Ion Ratio Lower Upper
117 100
82 56.5 40.0 60.0
119 32.0 25.8 38.6



#64
Tetrachloroethene
Concen: 20.834 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN054511.D
Acq: 21 Mar 2019 15:15

Tgt Ion:164 Resp: 124884
Ion Ratio Lower Upper
164 100
166 126.1 103.9 155.9
129 92.9 71.1 106.7
131 90.8 68.2 102.4

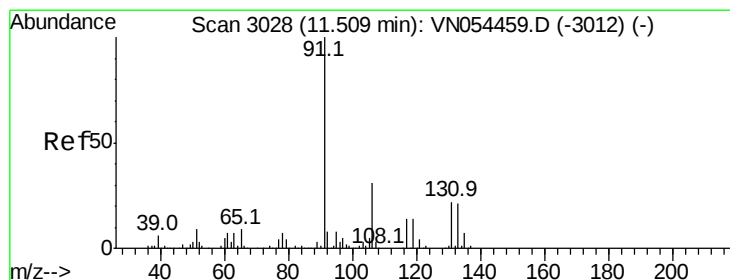
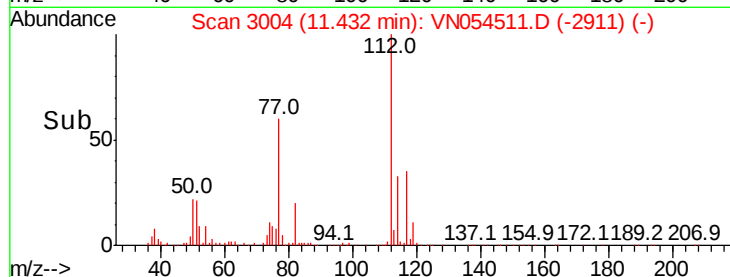
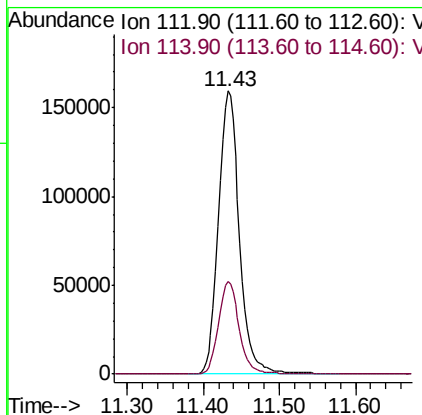
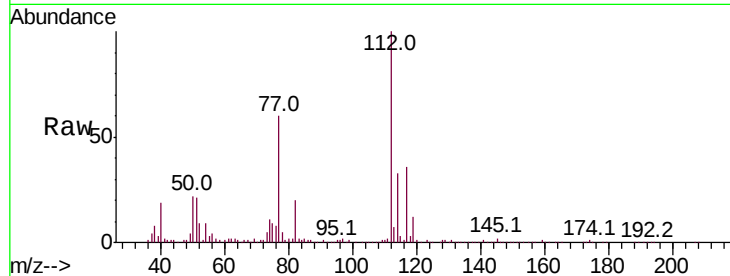




#65
Chlorobenzene
Concen: 20.735 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN054511.D
Acq: 21 Mar 2019 15:15

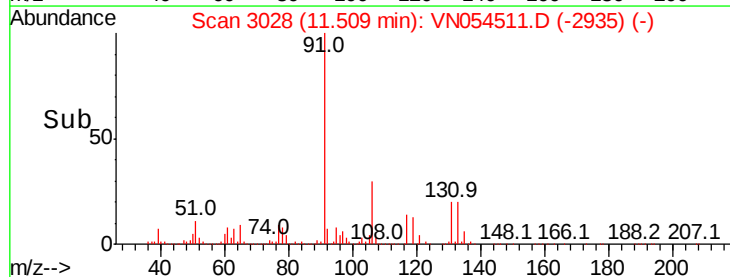
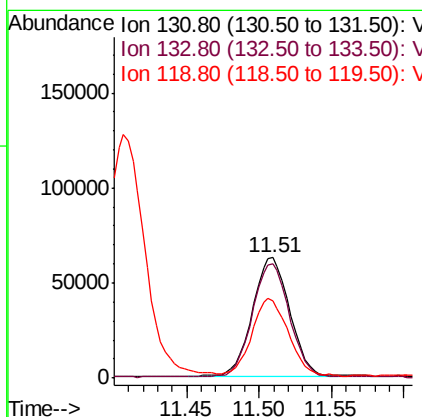
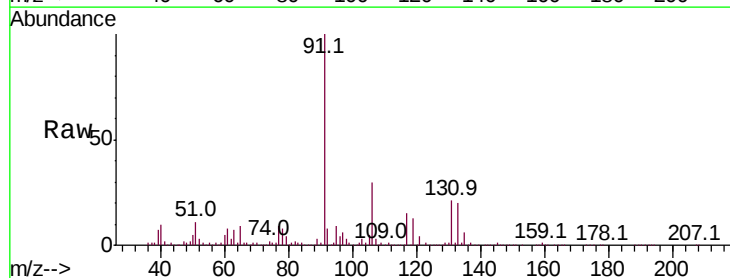
Instrument :
MSVOA_N
ClientSampleId :
VN0321MBS01

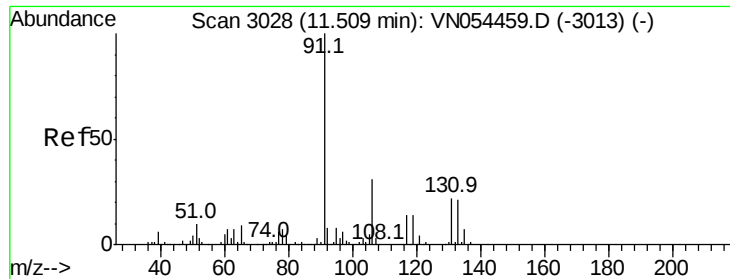
Tot Ion:112 Resp: 304773
Ion Ratio Lower Upper
112 100
114 32.8 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 21.344 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN054511.D
Acq: 21 Mar 2019 15:15

Tgt Ion:131 Resp: 112604
Ion Ratio Lower Upper
131 100
133 94.1 47.6 142.9
119 64.2 32.4 97.0

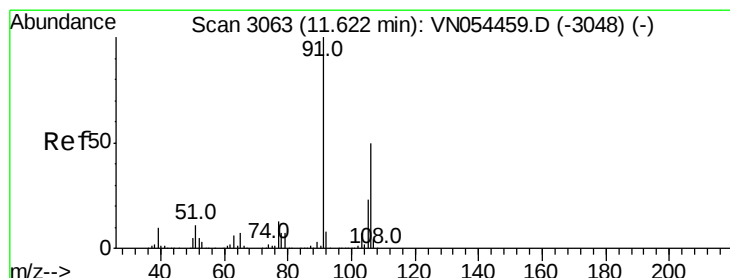
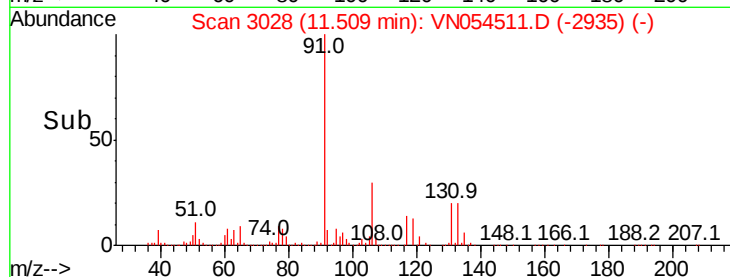
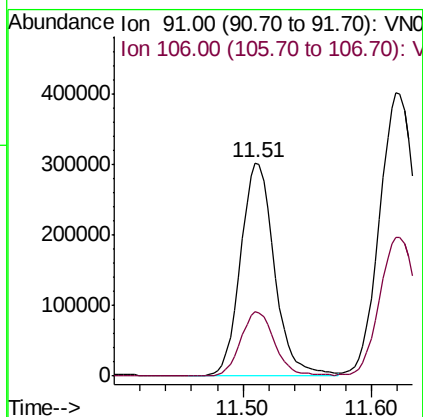
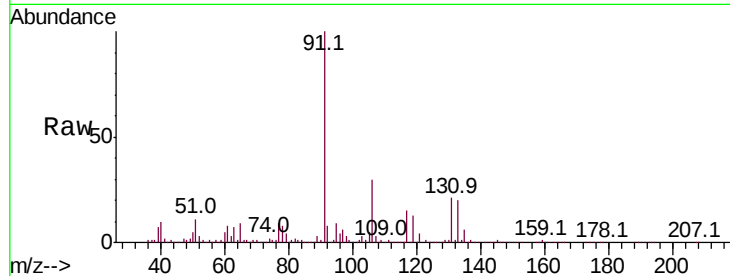




#67
Ethyl Benzene
Concen: 21.114 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN054511.D
Acq: 21 Mar 2019 15:15

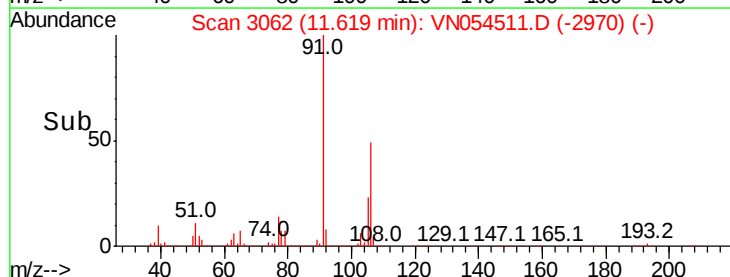
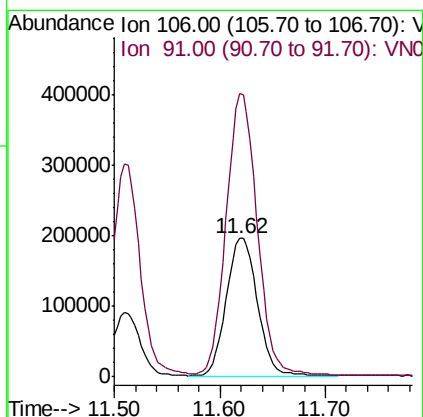
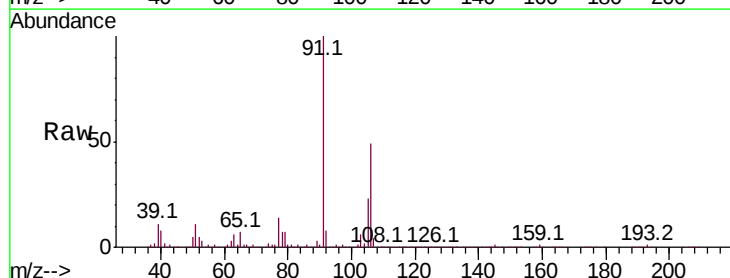
Instrument :
MSVOA_N
ClientSampled :
VN0321MBS01

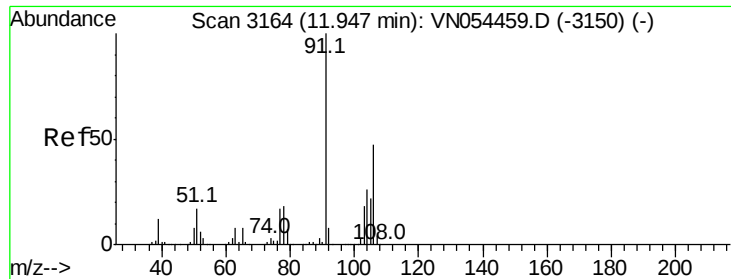
Tot Ion: 91 Resp: 548181
Ion Ratio Lower Upper
91 100
106 30.1 25.5 38.3



#68
m/p-Xylenes
Concen: 40.662 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN054511.D
Acq: 21 Mar 2019 15:15

Tgt Ion: 106 Resp: 399883
Ion Ratio Lower Upper
106 100
91 204.9 159.4 239.2

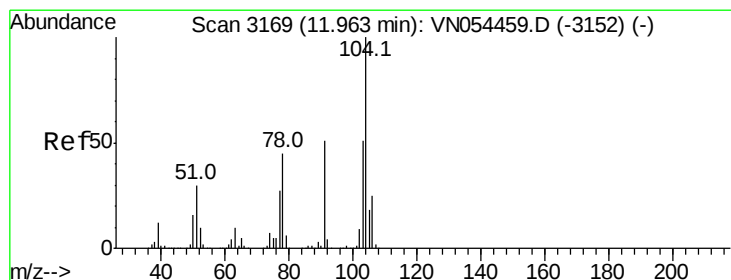
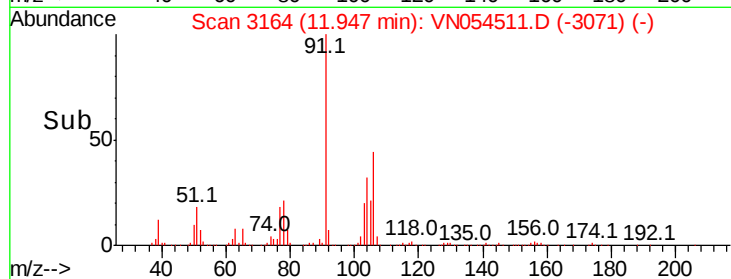
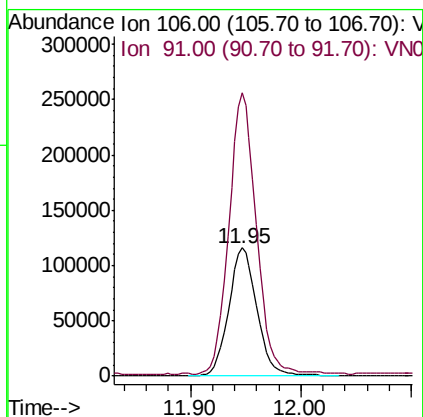
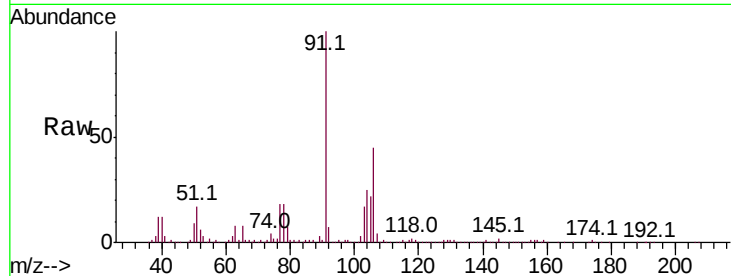




#69
o-Xylene
Concen: 21.093 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN054511.D
Acq: 21 Mar 2019 15:15

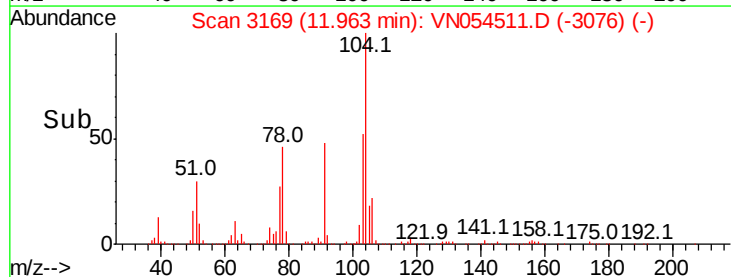
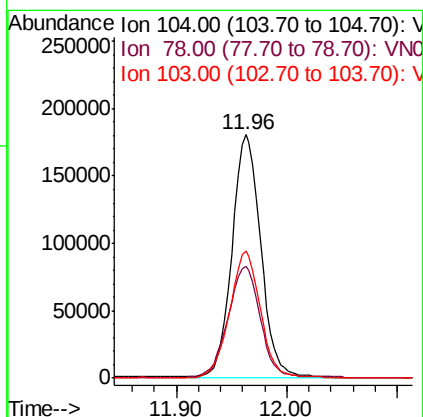
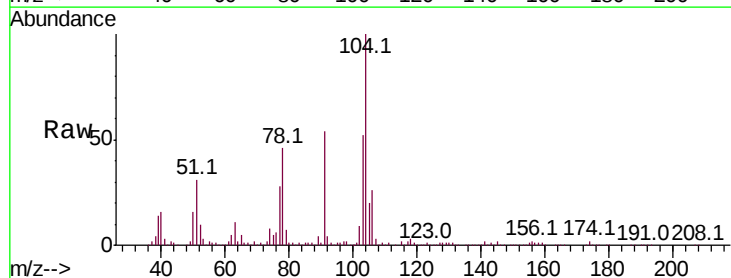
Instrument :
MSVOA_N
ClientSampled :
VN0321MBS01

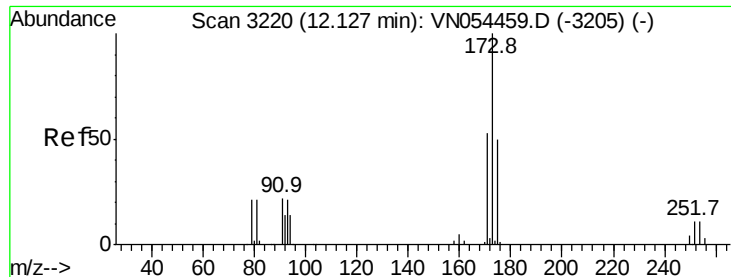
Tot Ion:106 Resp: 202584
Ion Ratio Lower Upper
106 100
91 214.8 105.7 317.1



#70
Styrene
Concen: 20.821 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN054511.D
Acq: 21 Mar 2019 15:15

Tgt Ion:104 Resp: 324743
Ion Ratio Lower Upper
104 100
78 51.6 38.2 57.2
103 55.6 44.4 66.6

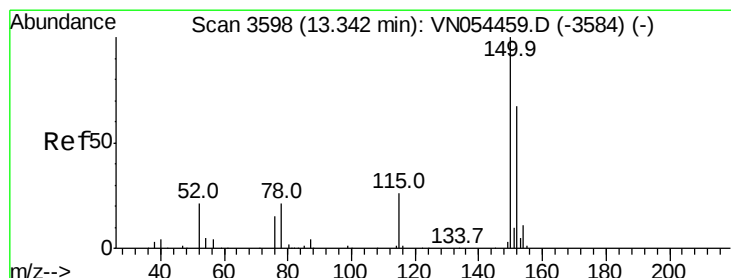
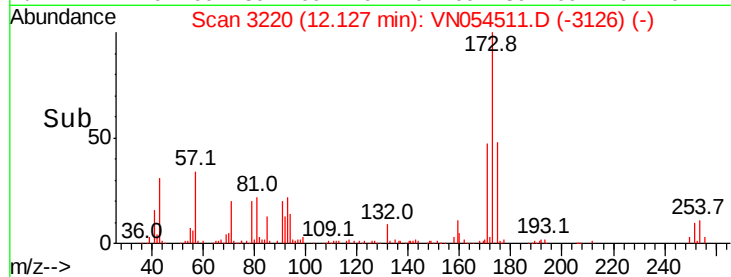
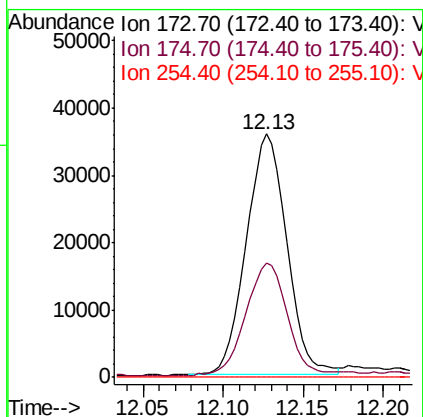
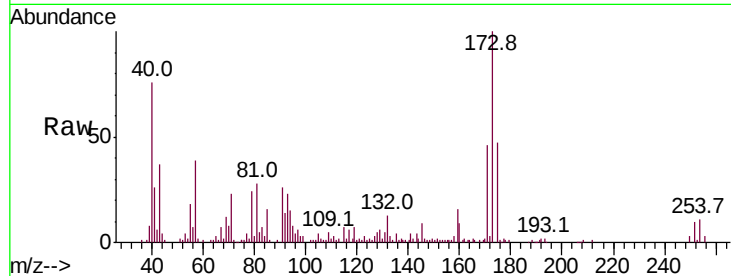




#71
Bromoform
Concen: 18.603 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN054511.D
Acq: 21 Mar 2019 15:15

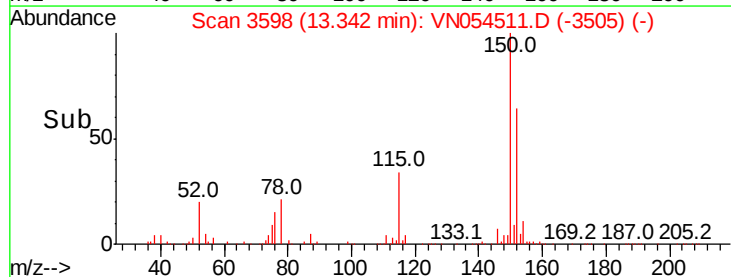
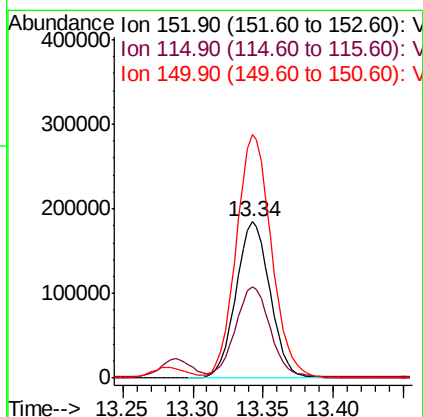
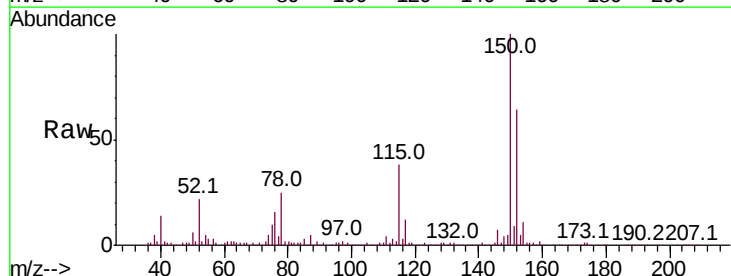
Instrument :
MSVOA_N
ClientSampleId :
VN0321MBS01

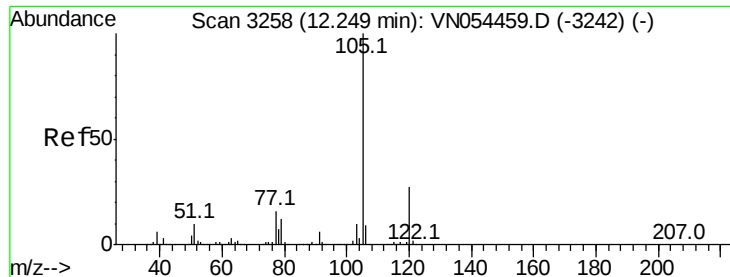
Tot Ion:173 Resp: 62354
Ion Ratio Lower Upper
173 100
175 47.7 24.4 73.2
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN054511.D
Acq: 21 Mar 2019 15:15

Tgt Ion:152 Resp: 311737
Ion Ratio Lower Upper
152 100
115 58.9 27.2 81.6
150 161.1 0.0 349.2





#73

Isopropylbenzene

Concen: 21.491 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN054511.D

Acq: 21 Mar 2019 15:15

Instrument :

MSVOA_N

ClientSampleId :

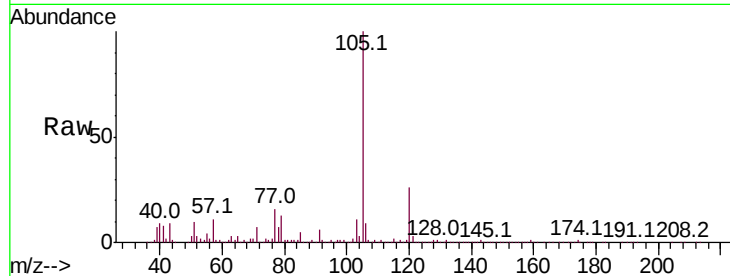
VN0321MBS01

Tot Ion:105 Resp: 539857

Ion Ratio Lower Upper

105 100

120 26.4 13.8 41.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

300000

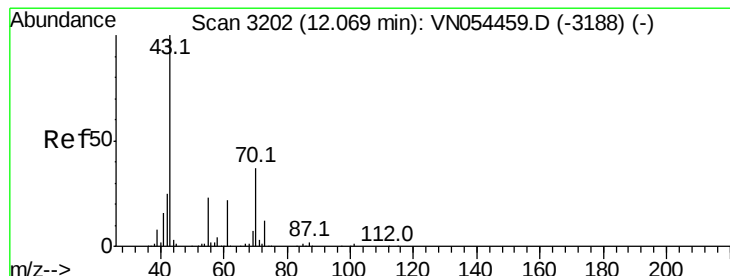
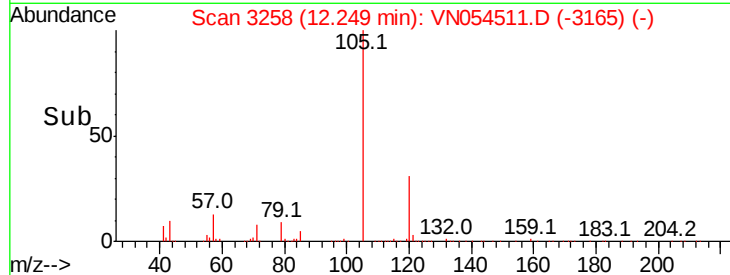
200000

100000

0

Time-->

12.20 12.30 12.40



#74

N-ethyl acetate

Concen: 22.590 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN054511.D

Acq: 21 Mar 2019 15:15

Tgt Ion: 43 Resp: 163167

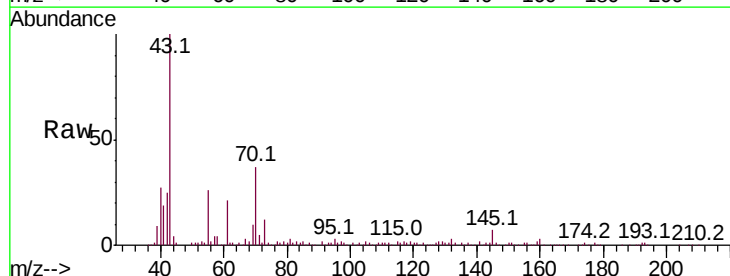
Ion Ratio Lower Upper

43 100

70 37.6 35.4 53.0

55 24.0 19.8 29.6

61 22.2 19.8 29.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

150000

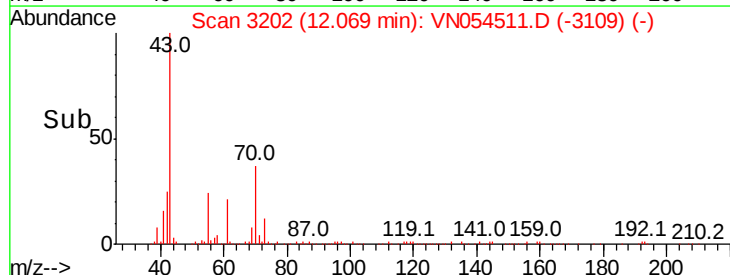
100000

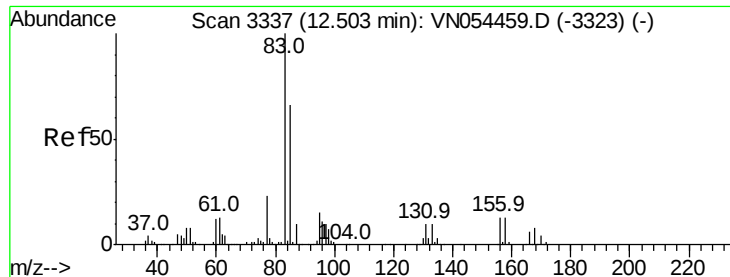
50000

0

Time-->

12.00 12.05 12.10





#75

1,1,2,2-Tetrachloroethane

Concen: 22.108 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN054511.D

Acq: 21 Mar 2019 15:15

Instrument :

MSVOA_N

ClientSampleId :

VN0321MBS01

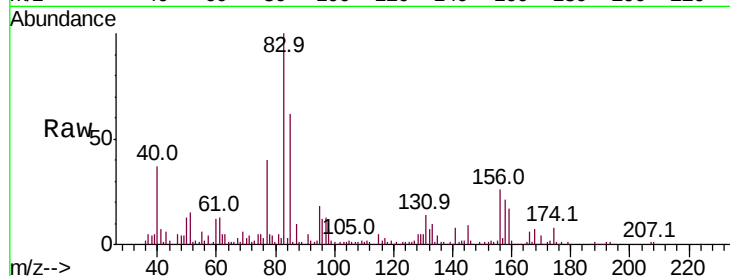
Tot Ion: 83 Resp: 126774

Ion Ratio Lower Upper

83 100

131 18.2 5.8 17.4#

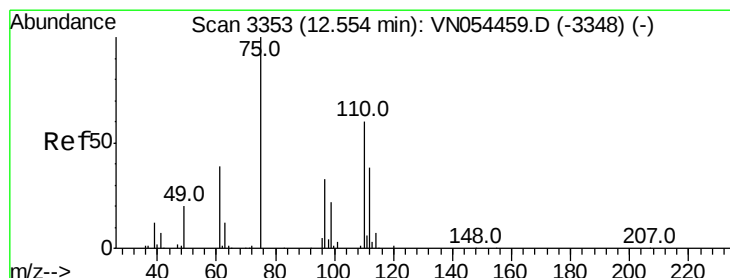
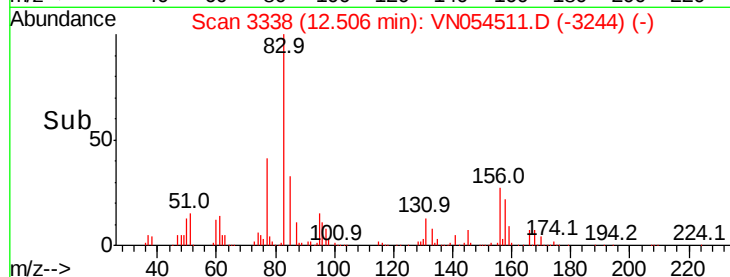
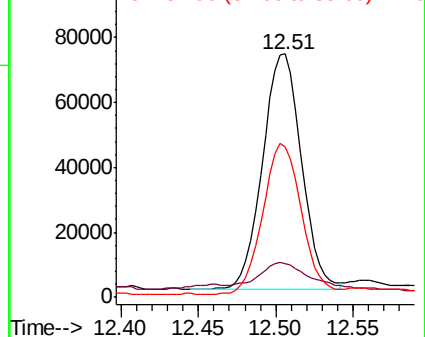
85 63.1 32.2 96.6



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: 29.709 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN054511.D

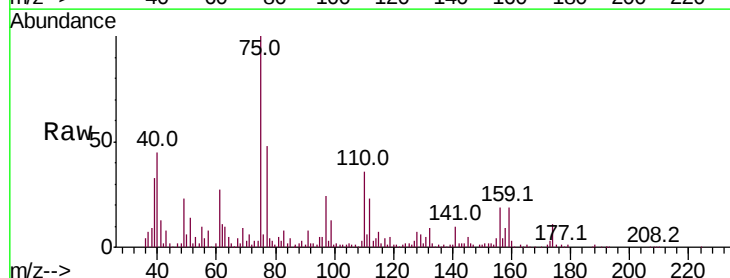
Acq: 21 Mar 2019 15:15

Tgt Ion: 75 Resp: 146965

Ion Ratio Lower Upper

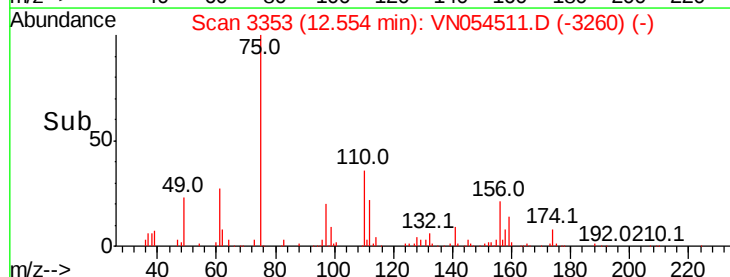
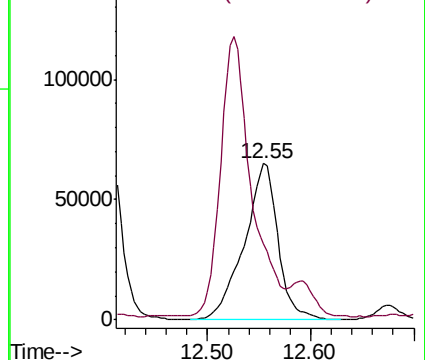
75 100

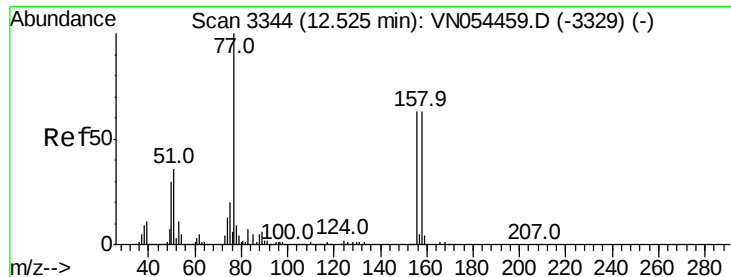
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 27.586 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN054511.D

Acq: 21 Mar 2019 15:15

Instrument :

MSVOA_N

ClientSampleId :

VN0321MBS01

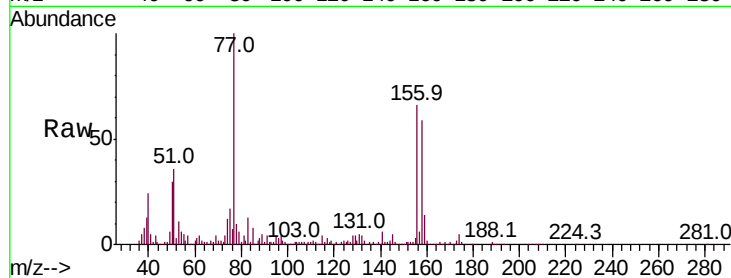
Tot Ion:156 Resp: 171869

Ion Ratio Lower Upper

156 100

77 141.4 81.5 244.4

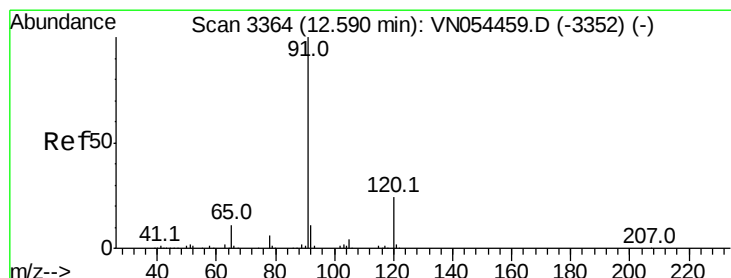
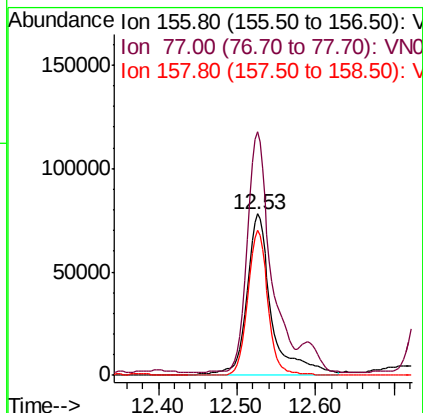
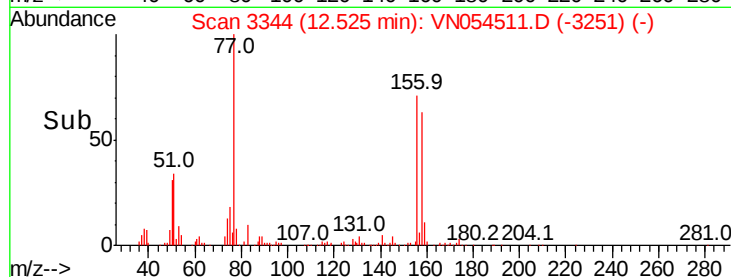
158 72.5 49.0 147.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.869 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN054511.D

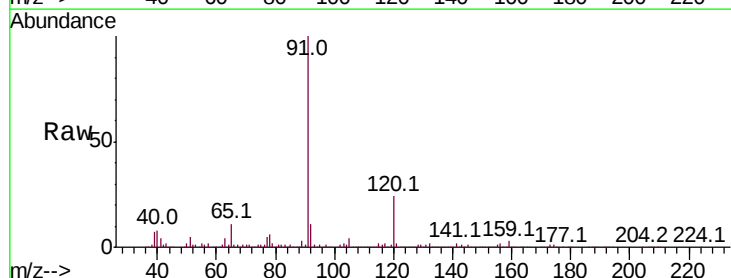
Acq: 21 Mar 2019 15:15

Tgt Ion: 91 Resp: 568469

Ion Ratio Lower Upper

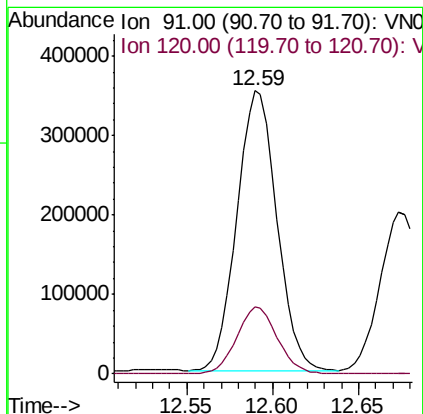
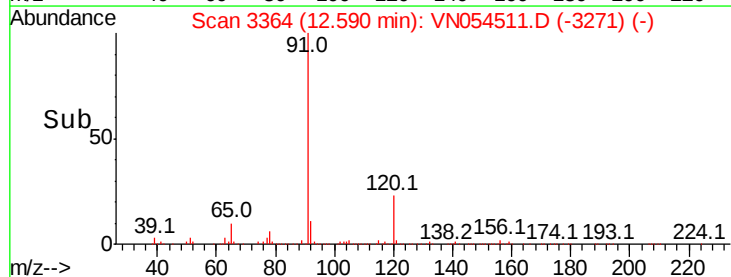
91 100

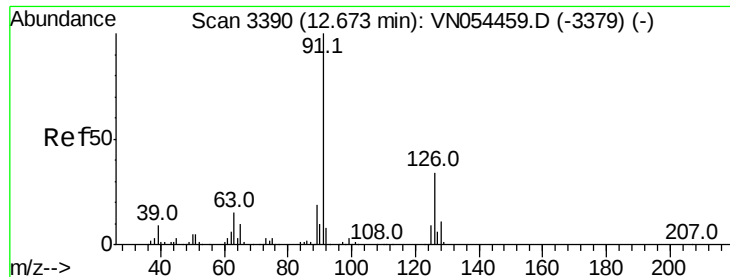
120 23.9 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.001 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN054511.D

Acq: 21 Mar 2019 15:15

Instrument :

MSVOA_N

ClientSampleId :

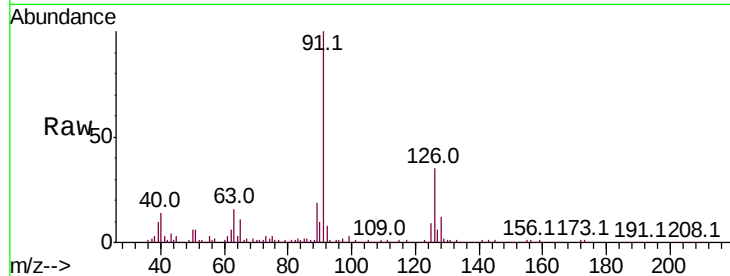
VN0321MBS01

Tot Ion: 91 Resp: 339748

Ion Ratio Lower Upper

91 100

126 35.7 18.7 56.1



Abundance Ion 91.00 (90.70 to 91.70): VN054459.D (-3379) (-)

Ion 125.90 (125.60 to 126.60): VN054459.D (-3379) (-)

12.67

200000

150000

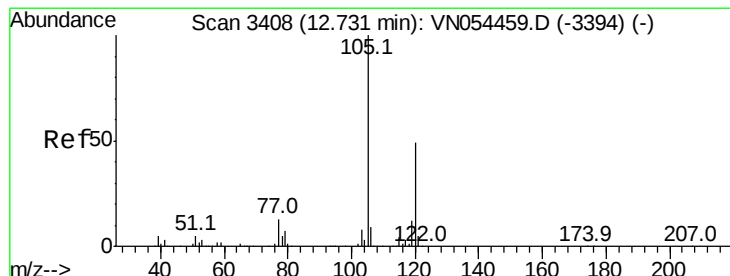
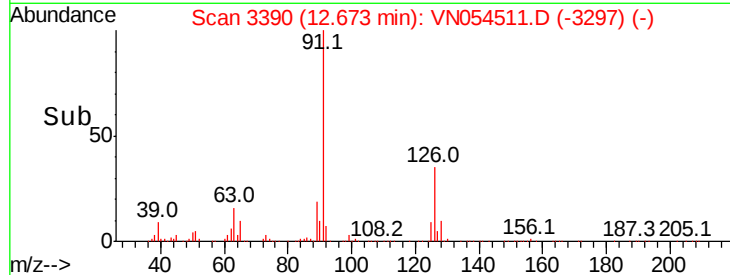
100000

50000

0

12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 21.539 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN054511.D

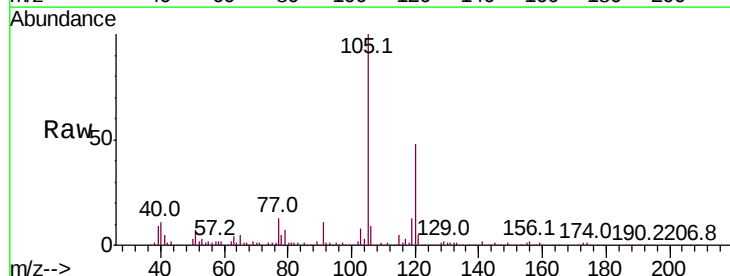
Acq: 21 Mar 2019 15:15

Tgt Ion: 105 Resp: 443442

Ion Ratio Lower Upper

105 100

120 47.5 25.0 75.0



Abundance Ion 105.00 (104.70 to 105.70): VN054459.D (-3394) (-)

Ion 120.00 (119.70 to 120.70): VN054459.D (-3394) (-)

12.73

300000

250000

200000

150000

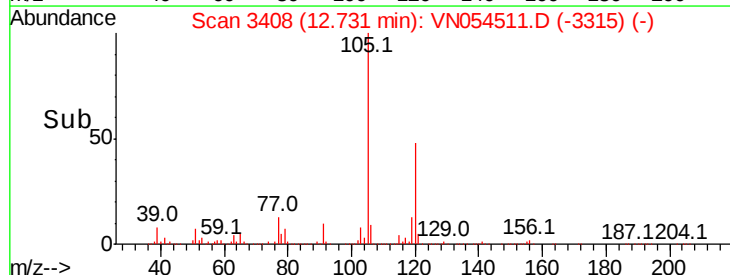
100000

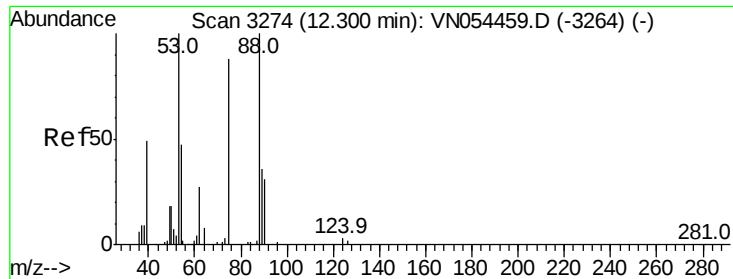
50000

0

12.70 12.80

Time-->

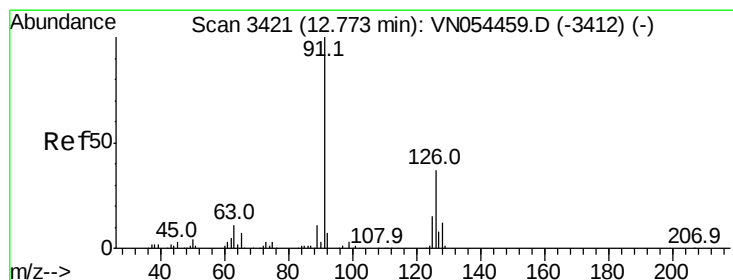
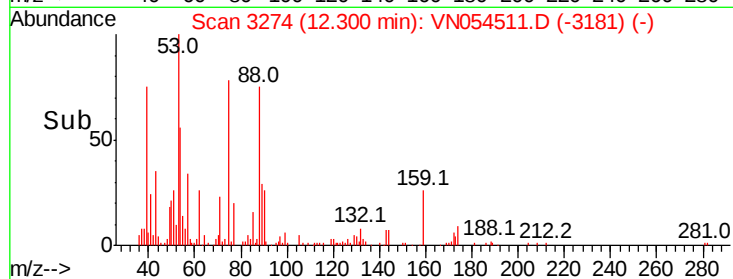
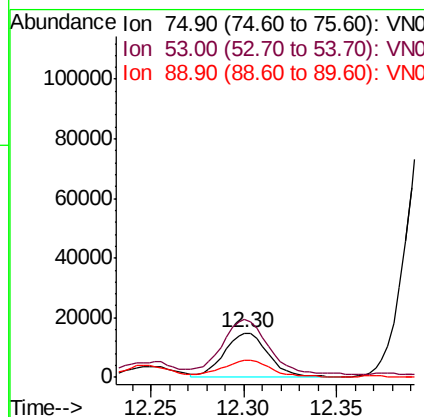
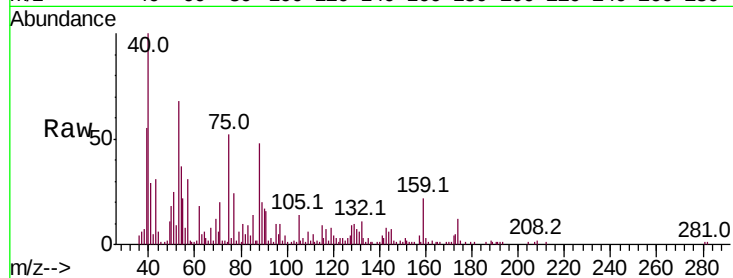




#81
trans-1,4-Dichloro-2-butene
Concen: 18.475 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN054511.D
Acq: 21 Mar 2019 15:15

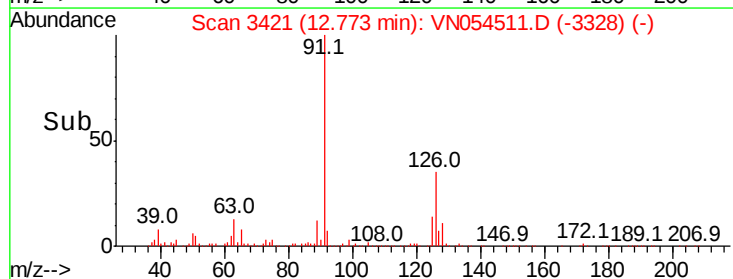
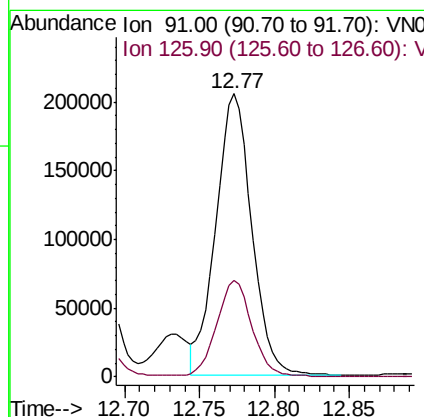
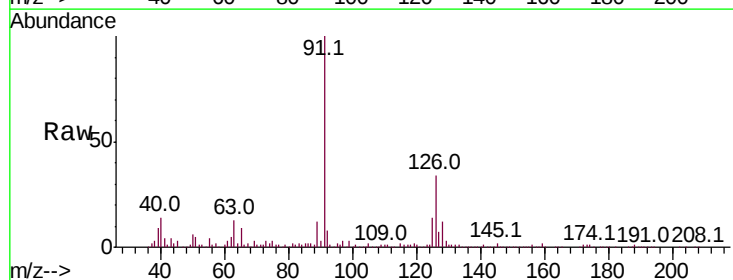
Instrument :
MSVOA_N
ClientSampled :
VN0321MBS01

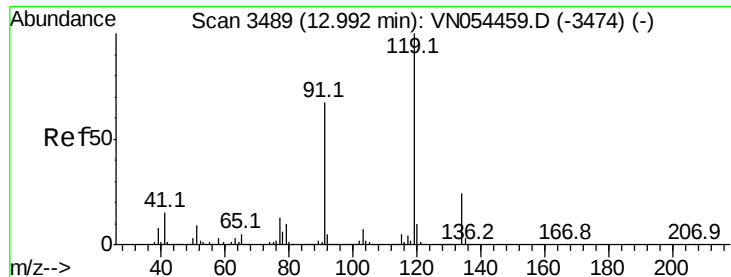
Tot Ion: 75 Resp: 23446
Ion Ratio Lower Upper
75 100
53 136.5 76.2 114.2#
89 42.2 39.2 58.8



#82
4-Chlorotoluene
Concen: 20.806 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN054511.D
Acq: 21 Mar 2019 15:15

Tgt Ion: 91 Resp: 342576
Ion Ratio Lower Upper
91 100
126 33.8 18.1 54.1

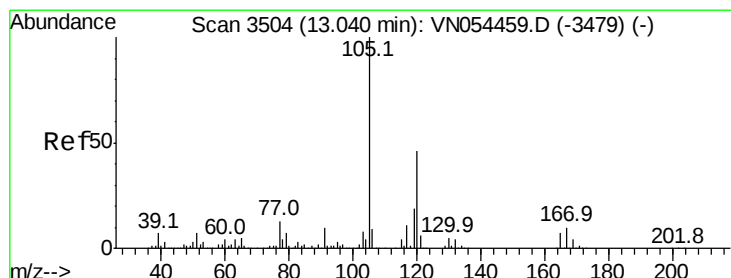
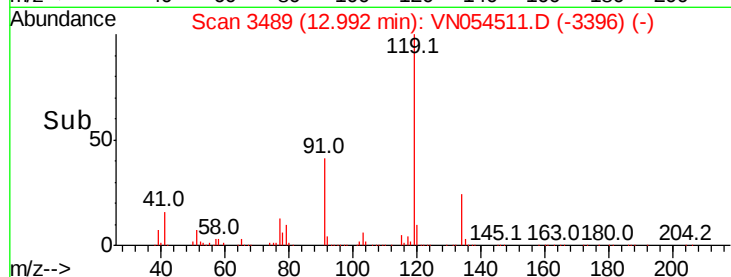
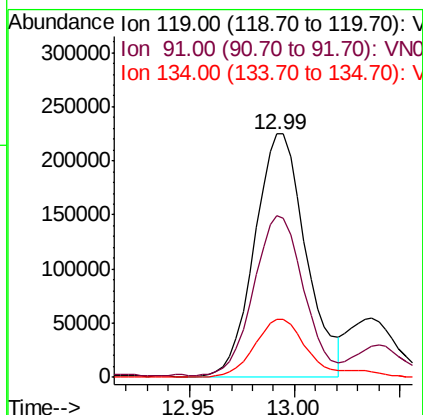
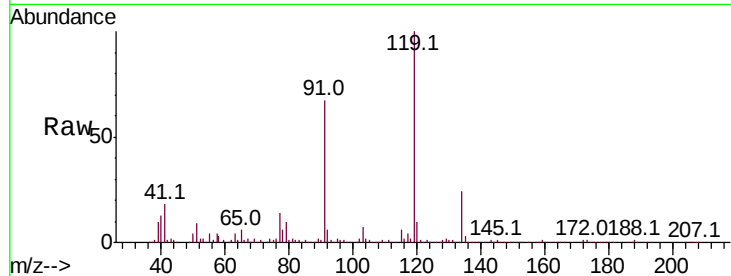




#83
tert-Butylbenzene
Concen: 21.093 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN054511.D
Acq: 21 Mar 2019 15:15

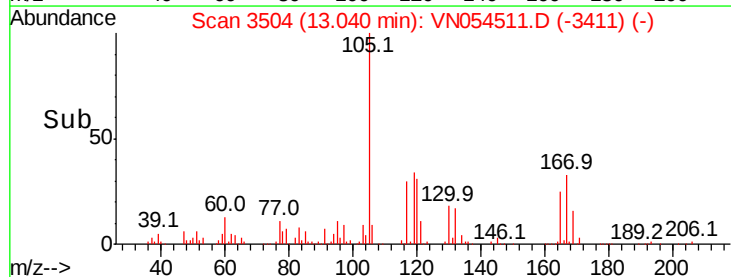
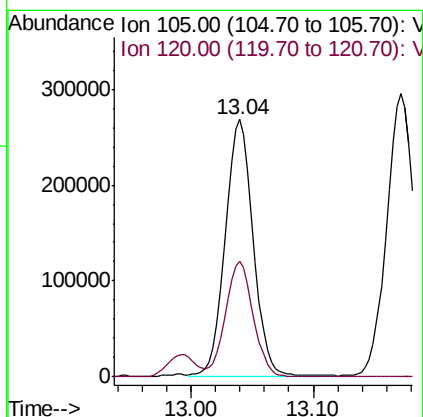
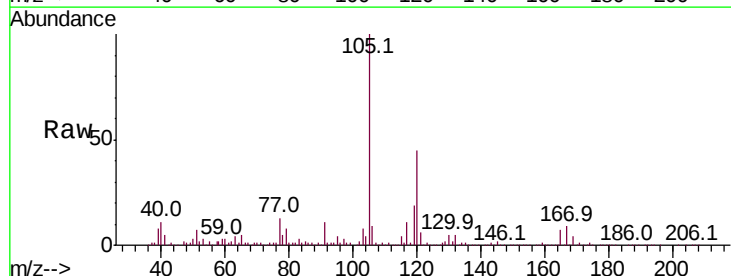
Instrument :
MSVOA_N
ClientSampleId :
VN0321MBS01

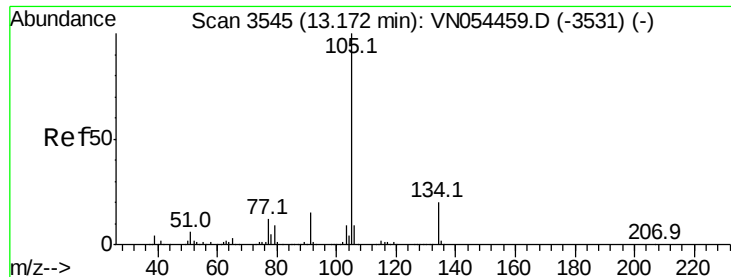
Tot Ion:119 Resp: 378001
Ion Ratio Lower Upper
119 100
91 64.1 30.9 92.8
134 25.7 13.2 39.6



#84
1,2,4-Trimethylbenzene
Concen: 21.038 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN054511.D
Acq: 21 Mar 2019 15:15

Tgt Ion:105 Resp: 424998
Ion Ratio Lower Upper
105 100
120 44.9 23.4 70.3





#85

sec-Butylbenzene

Concen: 21.260 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN054511.D

Acq: 21 Mar 2019 15:15

Instrument :

MSVOA_N

ClientSampleId :

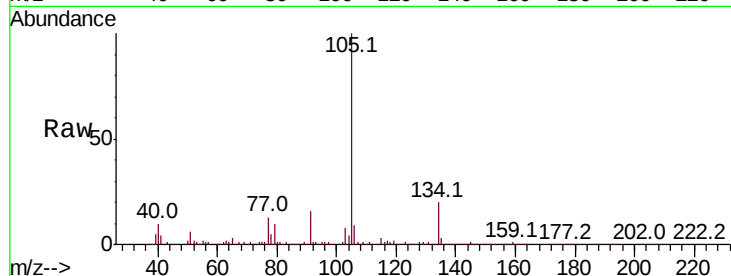
VN0321MBS01

Tot Ion:105 Resp: 474950

Ion Ratio Lower Upper

105 100

134 20.4 10.7 32.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

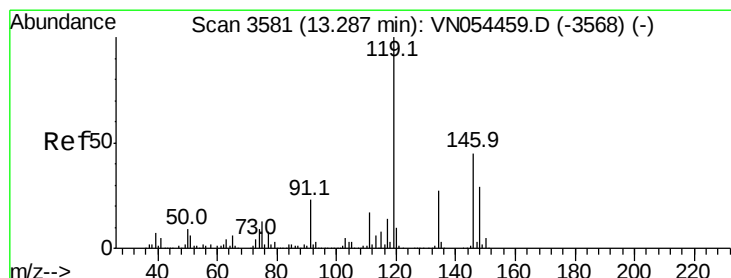
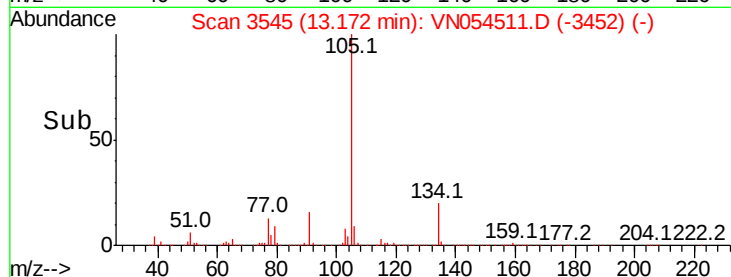
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 21.496 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN054511.D

Acq: 21 Mar 2019 15:15

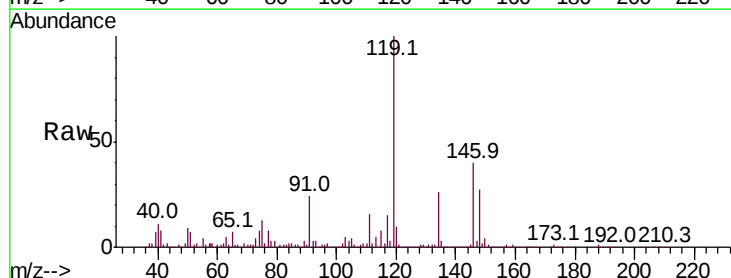
Tgt Ion:119 Resp: 429636

Ion Ratio Lower Upper

119 100

134 26.7 13.6 40.8

91 23.4 11.1 33.3



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

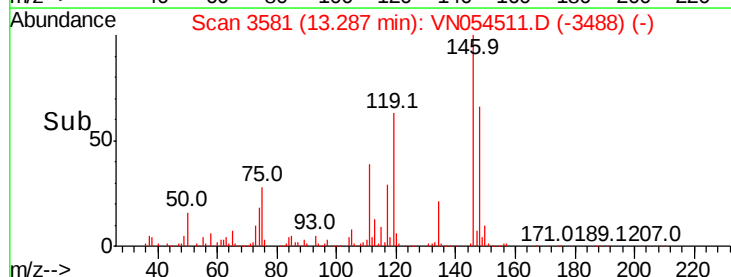
300000

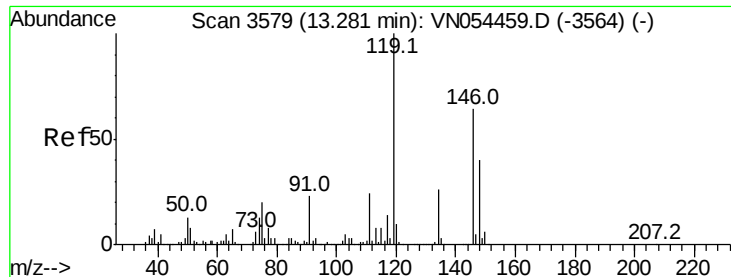
200000

100000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 19.810 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

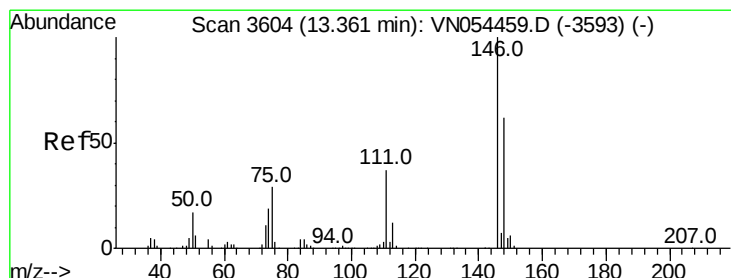
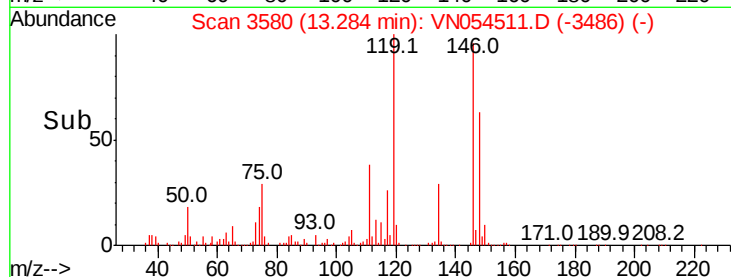
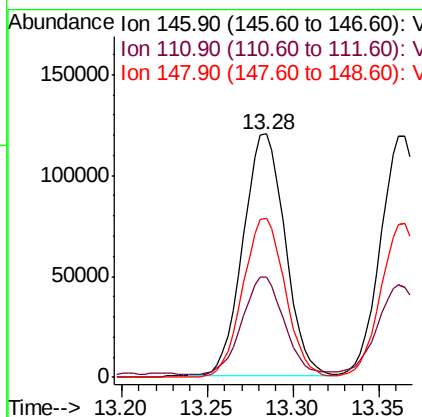
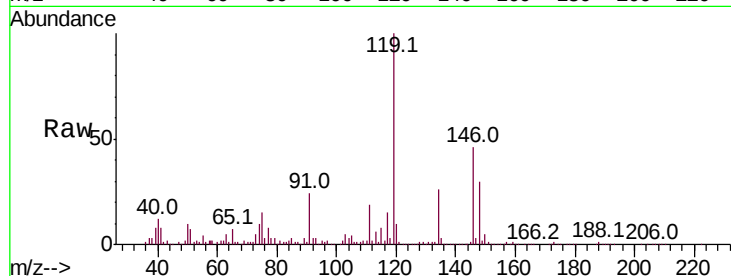
Lab File: VN054511.D

Acq: 21 Mar 2019 15:15

Instrument :
MSVOA_N
ClientSampleId :
VN0321MBS01

Tot Ion:146 Resp: 204526

Ion	Ratio	Lower	Upper
146	100		
111	39.9	18.8	56.3
148	65.7	32.2	96.6



#88

1,4-Dichlorobenzene

Concen: 20.088 ug/l

RT: 13.36 min Scan# 3604

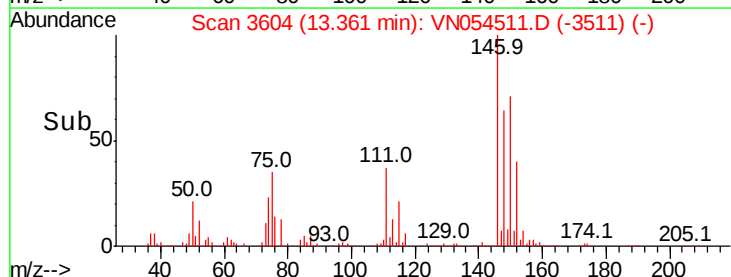
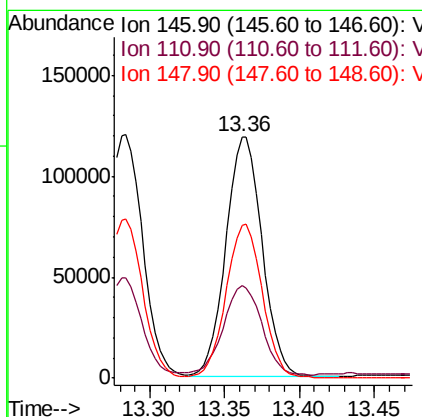
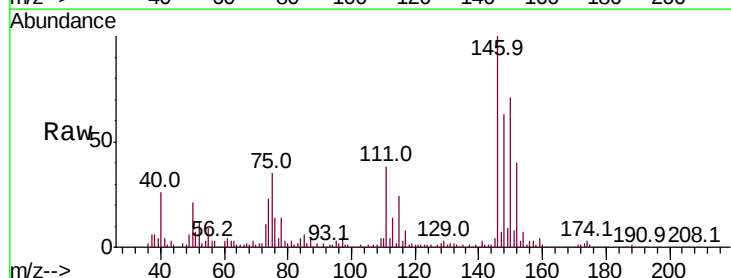
Delta R.T. -0.00 min

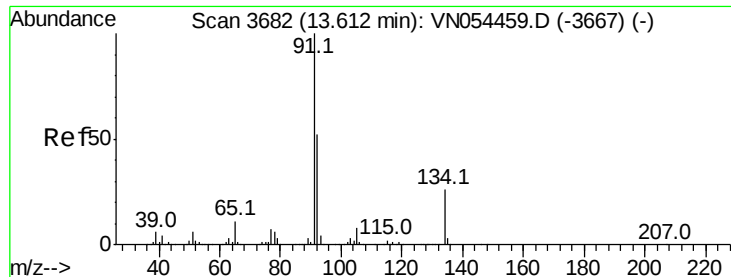
Lab File: VN054511.D

Acq: 21 Mar 2019 15:15

Tgt Ion:146 Resp: 201790

Ion	Ratio	Lower	Upper
146	100		
111	39.1	18.1	54.1
148	64.4	32.0	96.0





#89

n-Butylbenzene

Concen: 21.786 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN054511.D

Acq: 21 Mar 2019 15:15

Instrument :

MSVOA_N

ClientSampleId :

VN0321MBS01

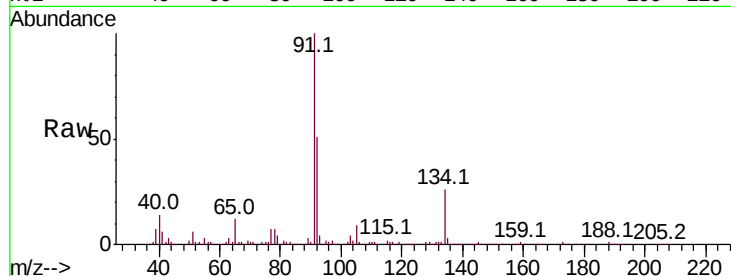
Tot Ion: 91 Resp: 340475

Ion Ratio Lower Upper

91 100

92 52.1 26.2 78.6

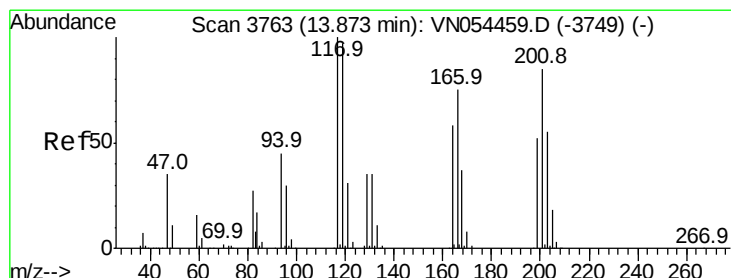
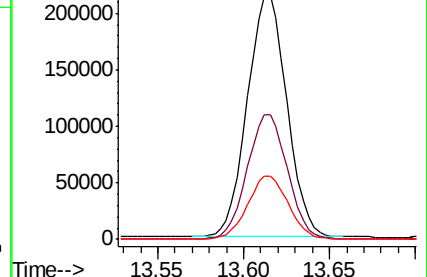
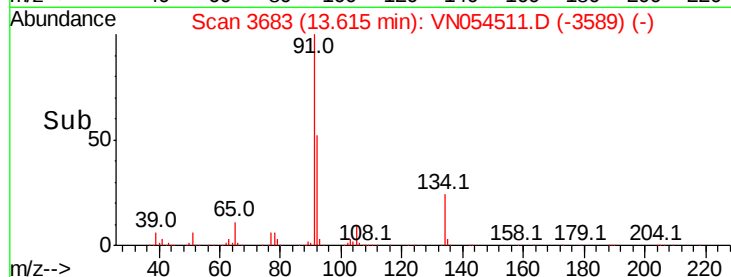
134 26.8 14.3 42.9



Abundance Ion 91.00 (90.70 to 91.70): VN054459.D (-3667) (-)

Ion 92.00 (91.70 to 92.70): VN054459.D (-3667) (-)

Ion 134.00 (133.70 to 134.70): VN054459.D (-3667) (-)



#90

Hexachloroethane

Concen: 19.074 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN054511.D

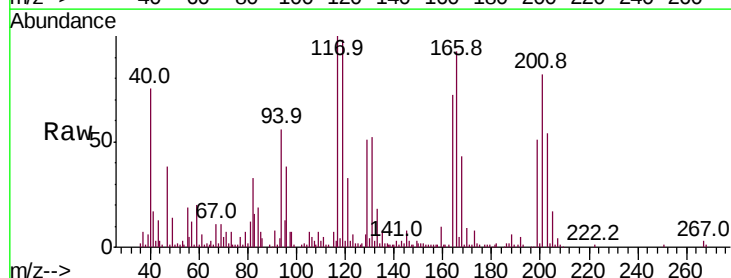
Acq: 21 Mar 2019 15:15

Tgt Ion: 117 Resp: 59176

Ion Ratio Lower Upper

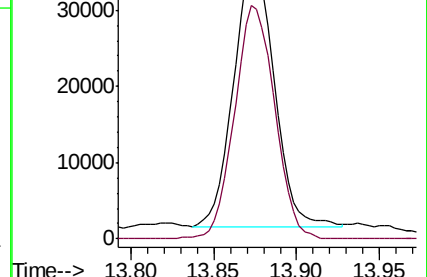
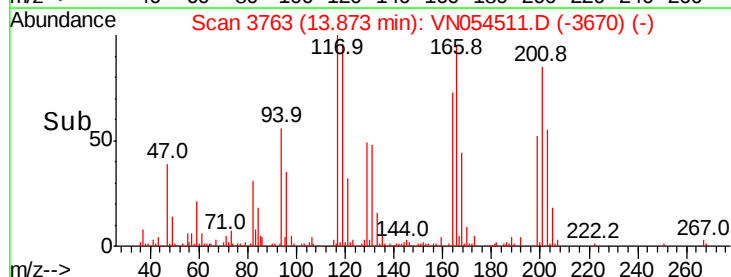
117 100

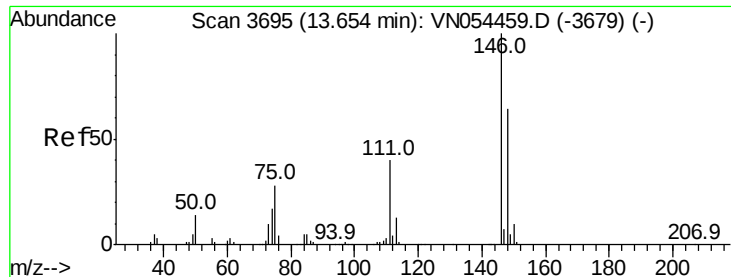
201 87.2 48.1 144.4



Abundance Ion 116.80 (116.50 to 117.50): VN054459.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN054459.D (-3749) (-)





#91

1,2-Dichlorobenzene

Concen: 20.745 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN054511.D

Acq: 21 Mar 2019 15:15

Instrument :

MSVOA_N

ClientSampleId :

VN0321MBS01

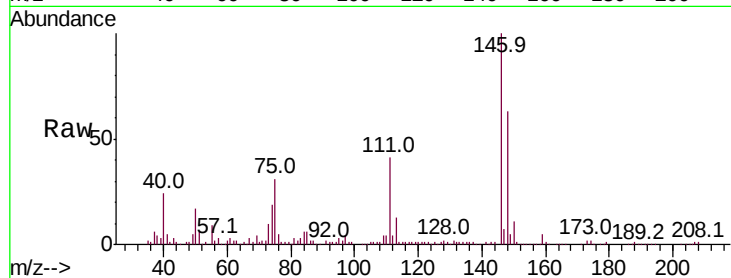
Tot Ion:146 Resp: 207456

Ion Ratio Lower Upper

146 100

111 40.0 19.1 57.3

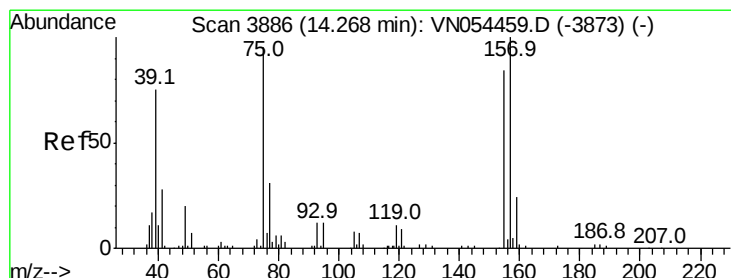
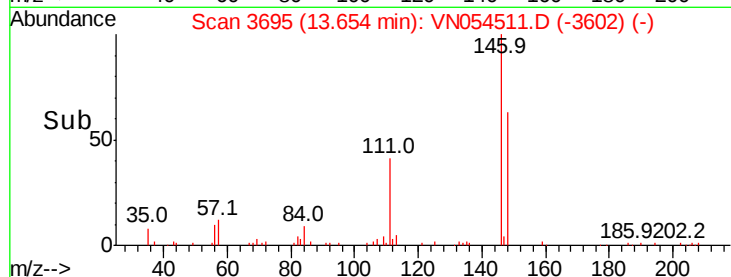
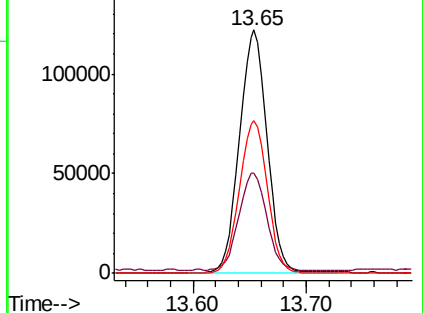
148 63.2 32.4 97.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 21.408 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN054511.D

Acq: 21 Mar 2019 15:15

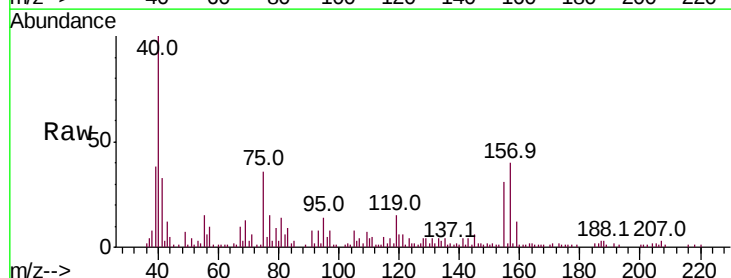
Tgt Ion: 75 Resp: 18006

Ion Ratio Lower Upper

75 100

155 83.5 50.1 150.3

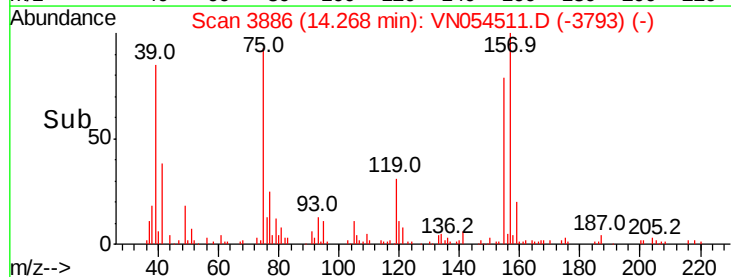
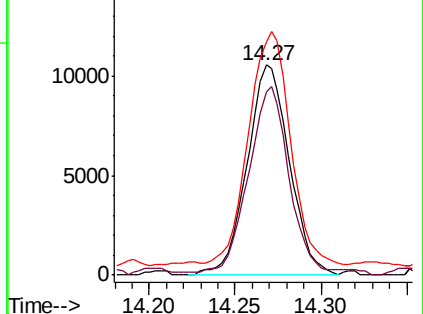
157 110.4 63.1 189.3

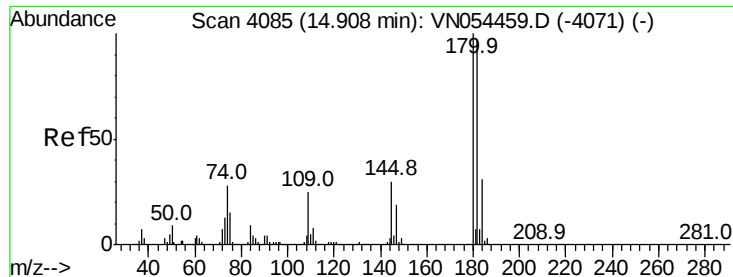


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

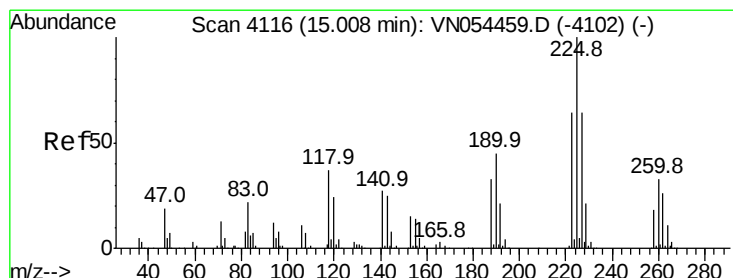
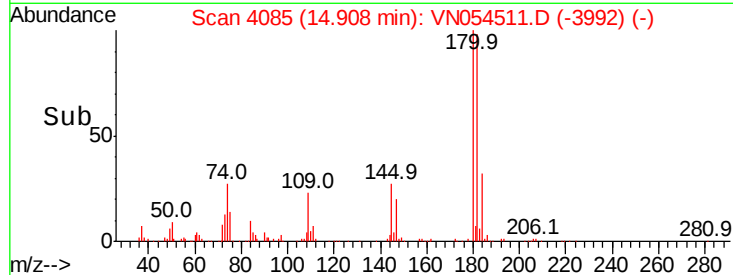
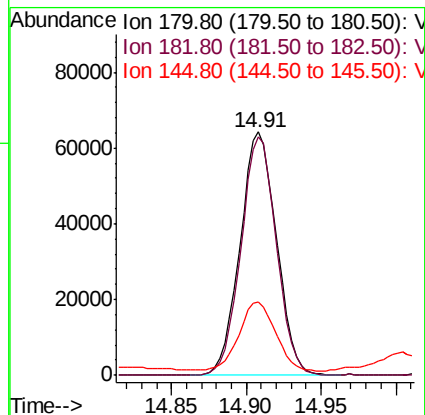
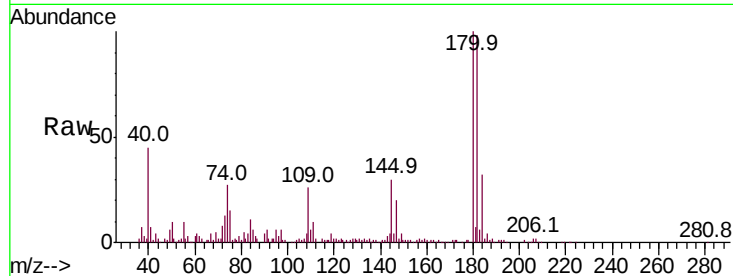




#93
 1,2,4-Trichlorobenzene
 Concen: 21.827 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN054511.D
 Acq: 21 Mar 2019 15:15

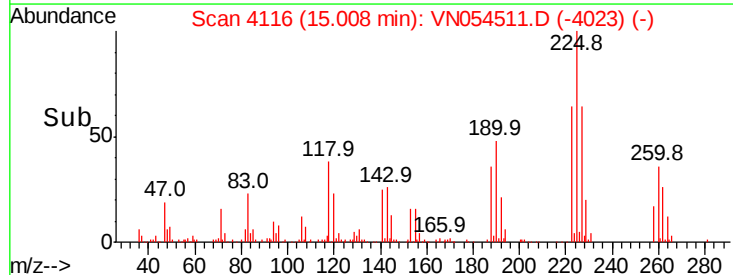
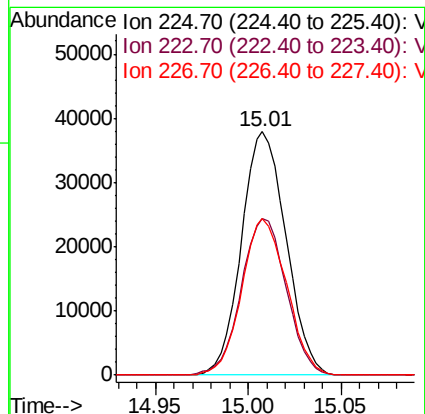
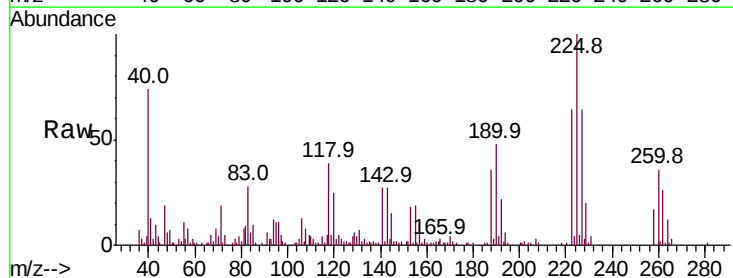
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0321MBS01

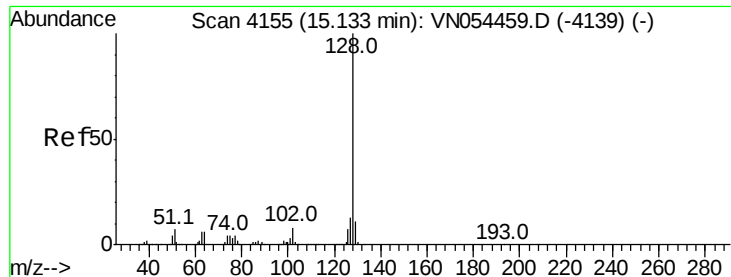
Tot Ion:180 Resp: 108809
 Ion Ratio Lower Upper
 180 100
 182 95.4 48.0 144.2
 145 28.0 14.2 42.8



#94
 Hexachlorobutadiene
 Concen: 21.107 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN054511.D
 Acq: 21 Mar 2019 15:15

Tgt Ion:225 Resp: 63131
 Ion Ratio Lower Upper
 225 100
 223 64.8 31.1 93.5
 227 64.9 31.9 95.9





#95

Naphthalene

Concen: 22.965 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN054511.D

Acq: 21 Mar 2019 15:15

Instrument :

MSVOA_N

ClientSampleId :

VN0321MBS01

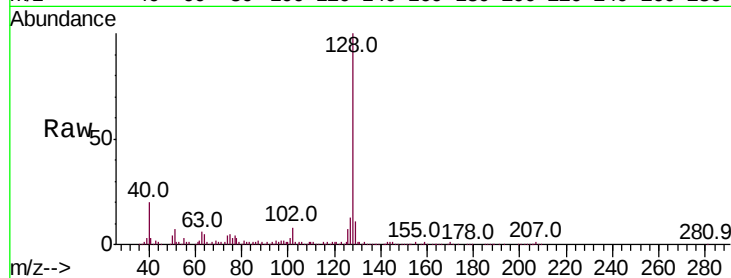
Tot Ion:128 Resp: 255363

Ion Ratio Lower Upper

128 100

127 12.9 10.1 15.1

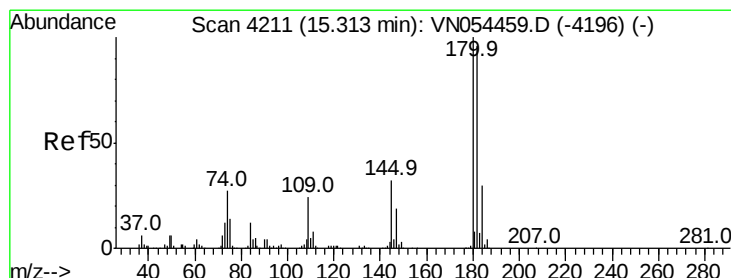
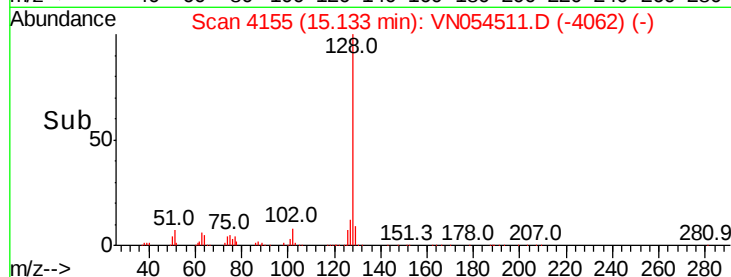
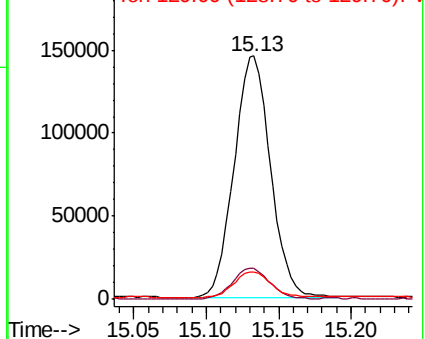
129 11.2 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 21.947 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN054511.D

Acq: 21 Mar 2019 15:15

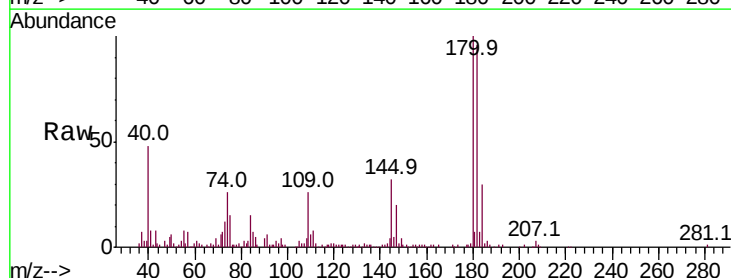
Tgt Ion:180 Resp: 108890

Ion Ratio Lower Upper

180 100

182 95.7 47.5 142.6

145 32.0 14.8 44.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

