

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN121818\
 Data File : VN052994.D
 Acq On : 19 Dec 2018 6:52
 Operator : MD\SY
 Sample : VN1218MBSD02
 Misc : 5.00µl/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 47 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1218MBSD02

Quant Time: Dec 19 07:49:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:03:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1076638	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1692112	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1505912	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	683265	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	591718	54.16	ug/l	0.00
Spiked Amount			Recovery	=	108.32%	
35) Dibromofluoromethane	7.59	113	446344	57.74	ug/l	0.00
Spiked Amount			Recovery	=	115.48%	
50) Toluene-d8	10.09	98	2145141	51.70	ug/l	0.00
Spiked Amount			Recovery	=	103.40%	
62) 4-Bromofluorobenzene	12.40	95	735806	50.51	ug/l	0.00
Spiked Amount			Recovery	=	101.02%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	212088	19.464	ug/l	98
3) Chloromethane	2.06	50	264519	20.033	ug/l	98
4) Vinyl Chloride	2.19	62	263176	19.680	ug/l	99
5) Bromomethane	2.58	94	166609	17.983	ug/l	100
6) Chloroethane	2.71	64	158752	20.044	ug/l	100
7) Trichlorofluoromethane	3.03	101	332801	19.977	ug/l	99
8) Diethyl Ether	3.41	74	130374	20.745	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.77	101	203705	19.178	ug/l	98
10) Methyl Iodide	3.96	142	291146	19.519	ug/l	99
11) Tert butyl alcohol	4.77	59	70351	105.529	ug/l	100
12) 1,1-Dichloroethene	3.74	96	203438	19.825	ug/l	96
13) Acrolein	3.61	56	78365	129.640	ug/l	99
14) Allyl chloride	4.33	41	298610	18.786	ug/l	99
15) Acrylonitrile	4.99	53	378075	102.084	ug/l	99
16) Acetone	3.82	43	243285	113.567	ug/l	99
17) Carbon Disulfide	4.06	76	588686	17.591	ug/l	100
18) Methyl Acetate	4.33	43	195852	20.736	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	565507	20.593	ug/l	100
20) Methylene Chloride	4.56	84	262453	22.460	ug/l	96
21) trans-1,2-Dichloroethene	5.05	96	216446	19.632	ug/l	97
22) Diisopropyl ether	5.95	45	706453	20.822	ug/l	97
23) Vinyl Acetate	5.90	43	2043804	104.757	ug/l	98
24) 1,1-Dichloroethane	5.85	63	405108	20.093	ug/l	99
25) 2-Butanone	6.83	43	396392	110.257	ug/l	98
26) 2,2-Dichloropropane	6.83	77	213228	13.855	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	249759	20.010	ug/l	96
28) Bromochloromethane	7.20	49	183793	21.038	ug/l	96
29) Tetrahydrofuran	7.21	42	284630	106.003	ug/l	99
30) Chloroform	7.37	83	397324	20.061	ug/l	98
31) Cyclohexane	7.66	56	384196	19.681	ug/l	94
32) 1,1,1-Trichloroethane	7.57	97	330846	19.610	ug/l	99
36) 1,1-Dichloropropene	7.80	75	302585	18.631	ug/l	99
37) Ethyl Acetate	6.93	43	190284	20.987	ug/l	99
38) Carbon Tetrachloride	7.78	117	282193	18.956	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	358932	18.192	ug/l	97
40) Benzene	8.04	78	942033	19.500	ug/l	99
41) Methacrylonitrile	7.17	41	110571	21.107	ug/l	94
42) 1,2-Dichloroethane	8.13	62	278381	19.506	ug/l	99
43) Isopropyl Acetate	8.16	43	370866	20.521	ug/l	98
44) Trichloroethene	8.84	130	264332	18.917	ug/l	96
45) 1,2-Dichloropropane	9.12	63	246114	19.559	ug/l	99
46) Dibromomethane	9.21	93	142564	19.449	ug/l	99
47) Bromodichloromethane	9.40	83	298924	19.184	ug/l	99
48) Methyl methacrylate	9.20	41	173876	19.763	ug/l	98
49) 1,4-Dioxane	9.20	88	44010	395.447	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	917139	104.453	ug/l	100
52) Toluene	10.16	92	584469	19.519	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	288101	17.583	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	343410	18.260	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	207933	19.905	ug/l	99
56) Ethyl methacrylate	10.43	69	278374	20.133	ug/l	98
57) 1,3-Dichloropropane	10.71	76	354263	19.776	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	793528	104.537	ug/l	99
59) 2-Hexanone	10.75	43	622349	104.761	ug/l	100
60) Dibromochloromethane	10.90	129	224557	18.779	ug/l	100
61) 1,2-Dibromoethane	11.01	107	206778	19.490	ug/l	100
64) Tetrachloroethene	10.63	164	304495	18.666	ug/l	99
65) Chlorobenzene	11.43	112	636402	19.064	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	221762	19.104	ug/l	99
67) Ethyl Benzene	11.51	91	1097517	19.118	ug/l	99
68) m/p-Xylenes	11.62	106	826860	37.888	ug/l	100
69) o-Xylene	11.95	106	406427	19.407	ug/l	100
70) Styrene	11.96	104	660089	19.330	ug/l	99
71) Bromoform	12.13	173	156999	18.721	ug/l #	98
73) Isopropylbenzene	12.25	105	1070995	20.034	ug/l	100
74) N-amyl acetate	12.07	43	312019	21.022	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	226691	21.614	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	305653	26.574	ug/l #	100
77) Bromobenzene	12.53	156	281263	20.240	ug/l	97
78) n-propylbenzene	12.59	91	1189895	19.543	ug/l	99
79) 2-Chlorotoluene	12.68	91	717531	19.013	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	842059	19.325	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	59415	16.649	ug/l	97
82) 4-Chlorotoluene	12.77	91	718402	19.446	ug/l	100
83) tert-Butylbenzene	12.99	119	749910	19.459	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	859824	19.629	ug/l	99
85) sec-Butylbenzene	13.17	105	987981	18.954	ug/l	100
86) p-Isopropyltoluene	13.29	119	841189	18.676	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	464588	18.889	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	455480	18.287	ug/l	99
89) n-Butylbenzene	13.62	91	658033	16.982	ug/l	99
90) Hexachloroethane	13.88	117	124928	18.074	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	442649	19.123	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	33144	18.277	ug/l	95

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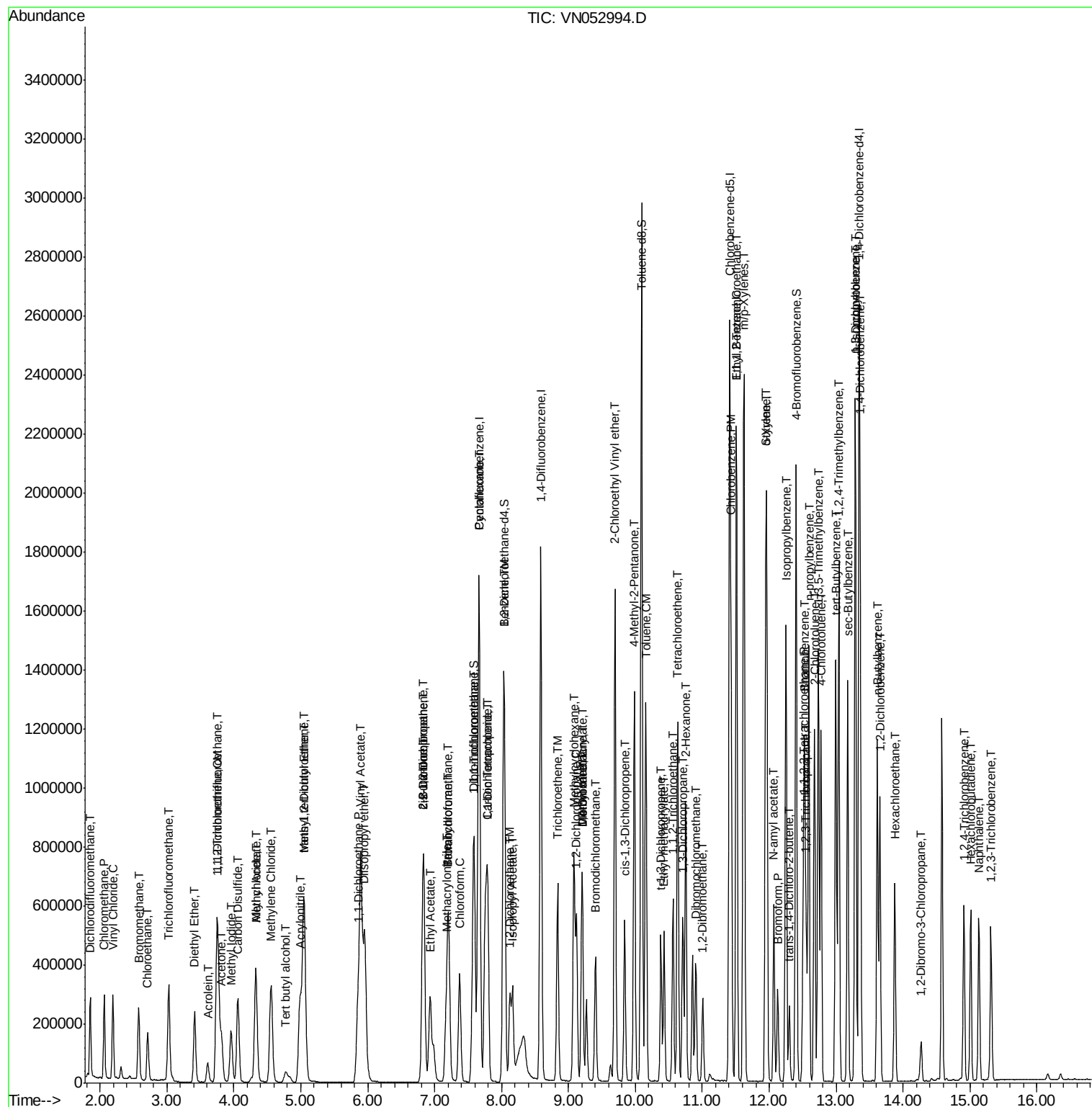
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	209049	17.439	ug/l	99
94) Hexachlorobutadiene	15.01	225	125104	17.856	ug/l	99
95) Naphthalene	15.13	128	483367	18.727	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	193170	17.822	ug/l	100

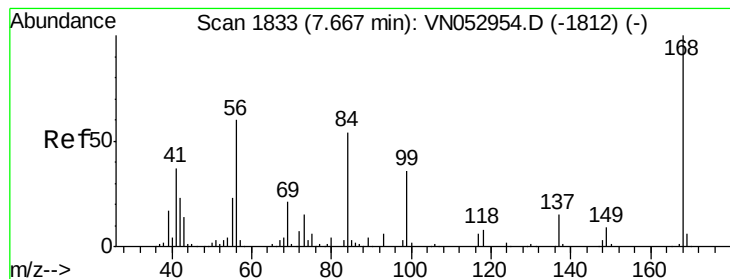
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN121818\
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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN052994.D

Acq: 19 Dec 2018 6:52

Instrument :

MSVOA_N

ClientSampleId :

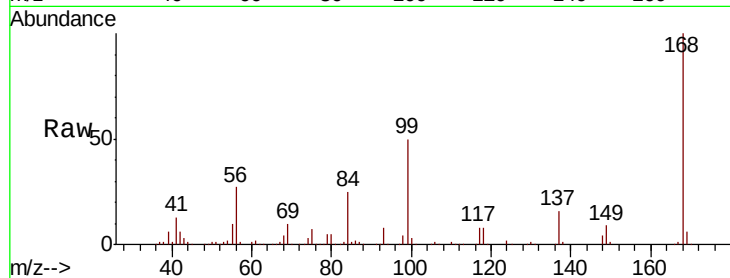
VN1218MBSD02

Tot Ion:168 Resp: 1076638

Ion Ratio Lower Upper

168 100

99 49.5 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): VN052994.D (-1740) (-)

Ion 98.90 (98.60 to 99.60): VN052994.D (-1740) (-)

7.67

400000

300000

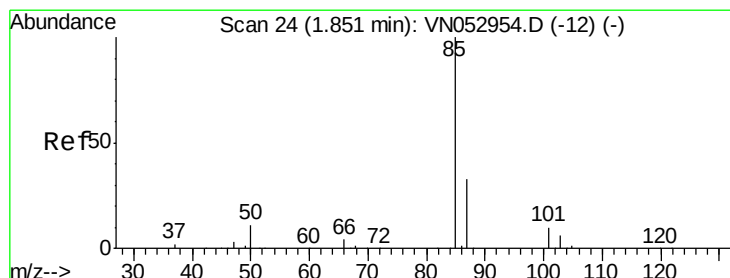
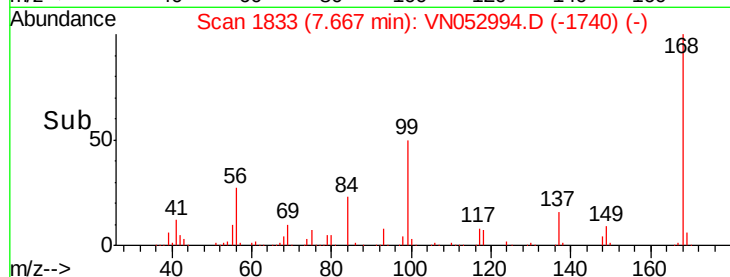
200000

100000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 19.464 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN052994.D

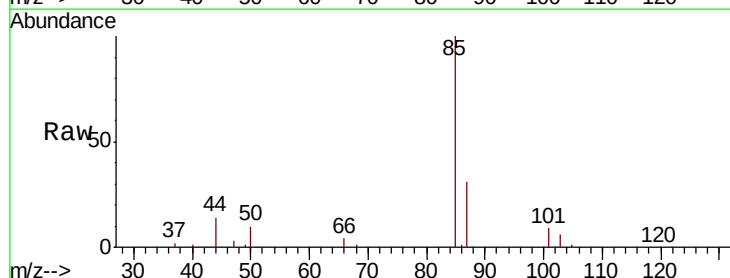
Acq: 19 Dec 2018 6:52

Tgt Ion: 85 Resp: 212088

Ion Ratio Lower Upper

85 100

87 31.4 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VN052994.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VN052994.D (-1) (-)

1.85

150000

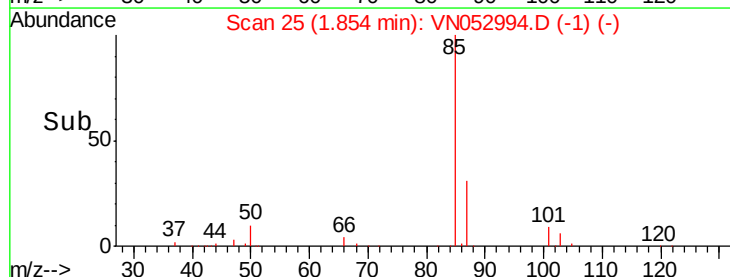
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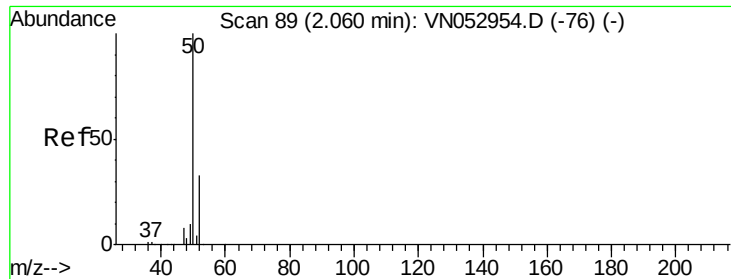
50000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 20.033 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN052994.D

Acq: 19 Dec 2018 6:52

Instrument :

MSVOA_N

ClientSampleId :

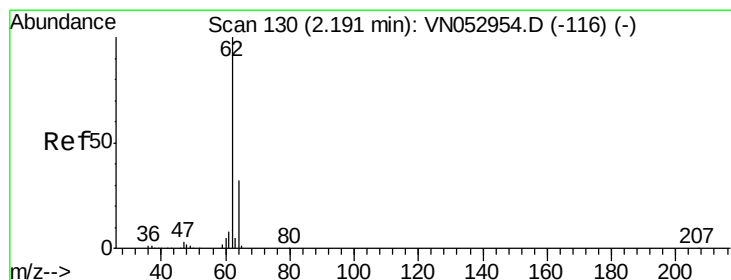
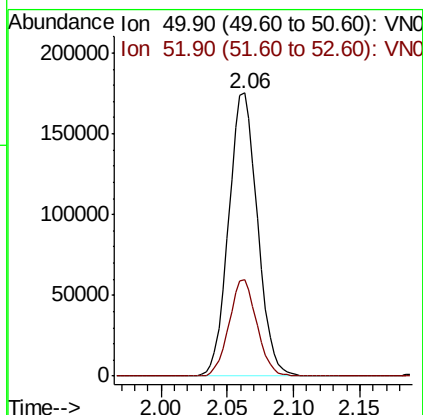
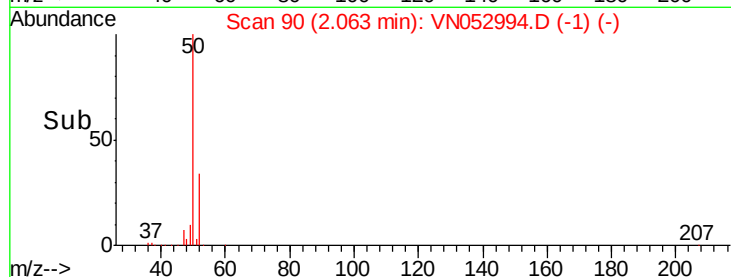
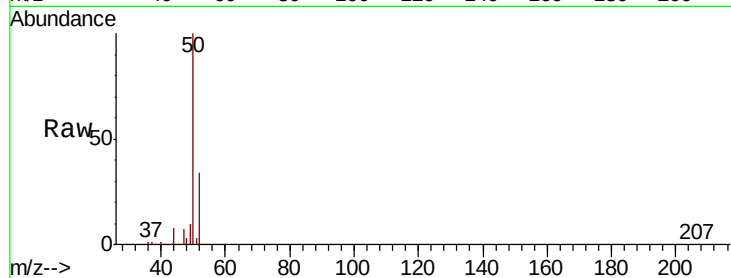
VN1218MBSD02

Tot Ion: 50 Resp: 264519

Ion Ratio Lower Upper

50 100

52 34.0 26.2 39.4



#4

Vinyl Chloride

Concen: 19.680 ug/l

RT: 2.19 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN052994.D

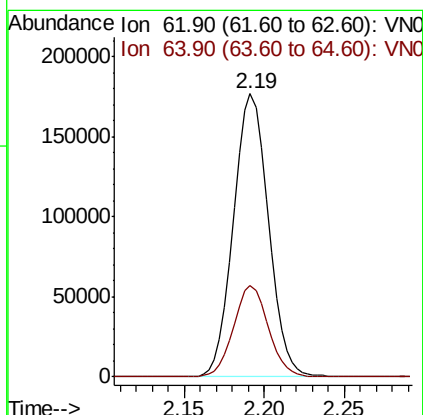
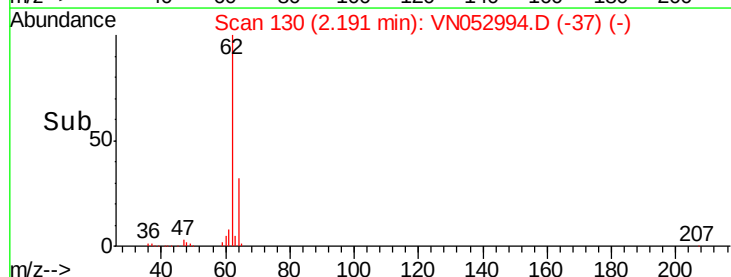
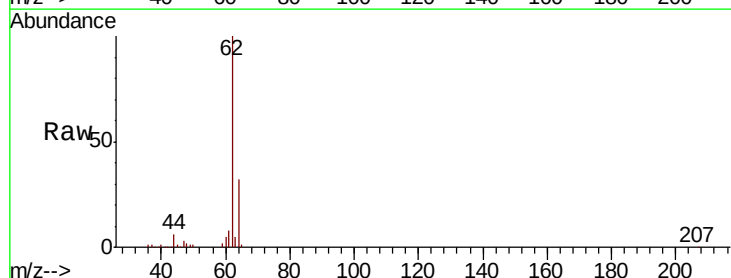
Acq: 19 Dec 2018 6:52

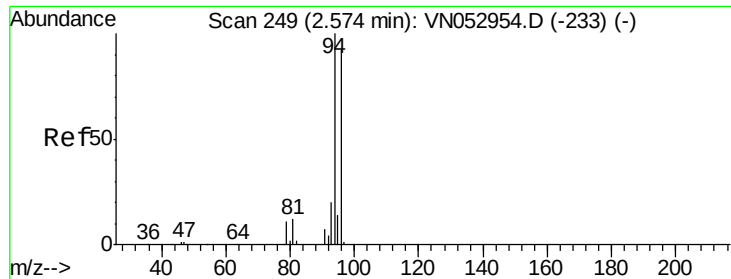
Tgt Ion: 62 Resp: 263176

Ion Ratio Lower Upper

62 100

64 32.2 25.5 38.3

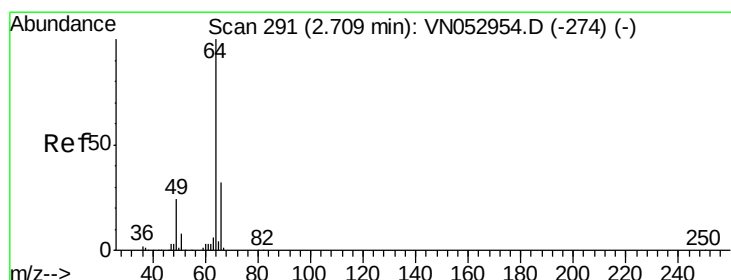
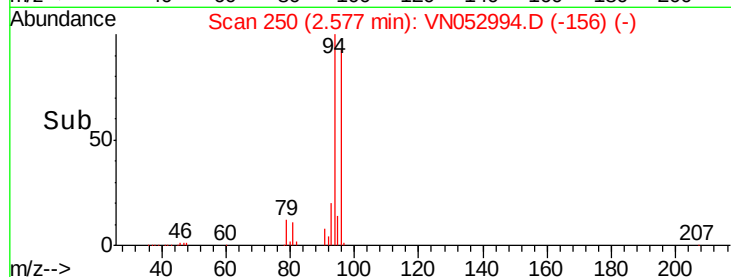
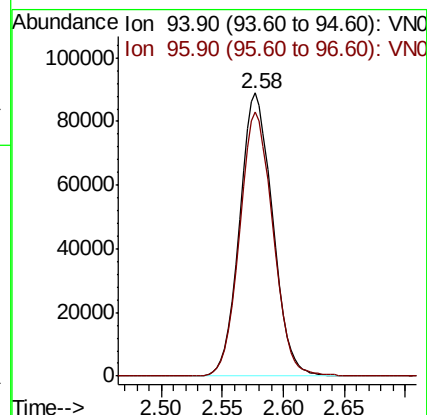
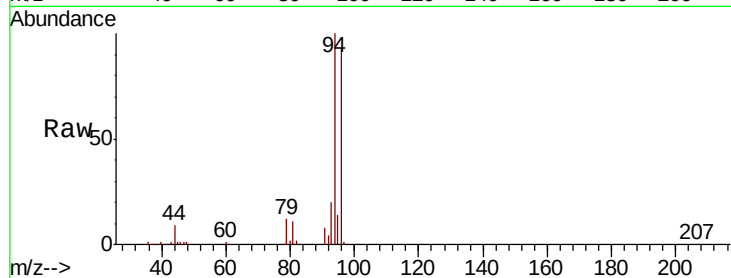




#5
Bromomethane
Concen: 17.983 ug/l
RT: 2.58 min Scan# 250
Delta R.T. 0.00 min
Lab File: VN052994.D
Acq: 19 Dec 2018 6:52

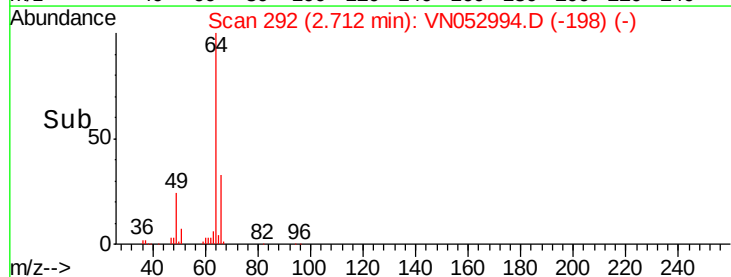
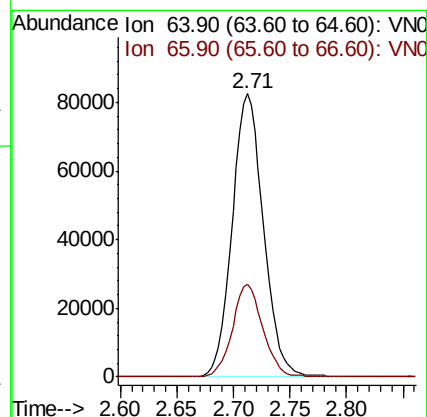
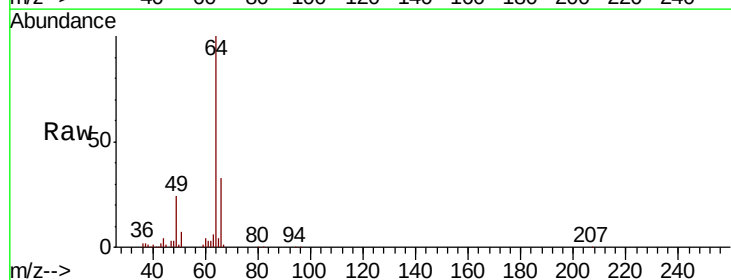
Instrument :
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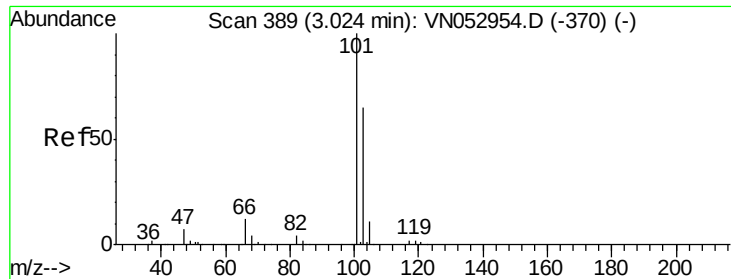
Tot Ion: 94 Resp: 166609
Ion Ratio Lower Upper
94 100
96 93.4 75.0 112.4



#6
Chloroethane
Concen: 20.044 ug/l
RT: 2.71 min Scan# 292
Delta R.T. 0.00 min
Lab File: VN052994.D
Acq: 19 Dec 2018 6:52

Tgt Ion: 64 Resp: 158752
Ion Ratio Lower Upper
64 100
66 32.5 26.2 39.2



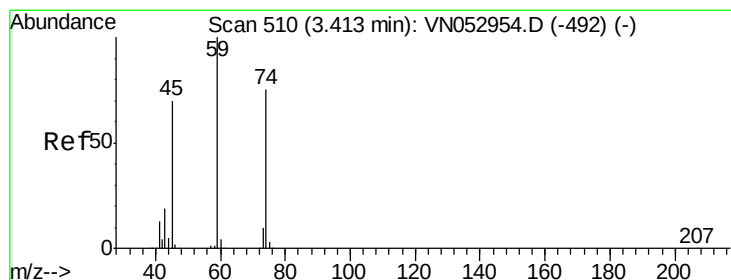
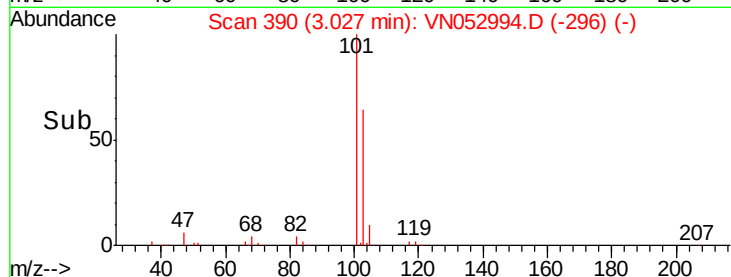
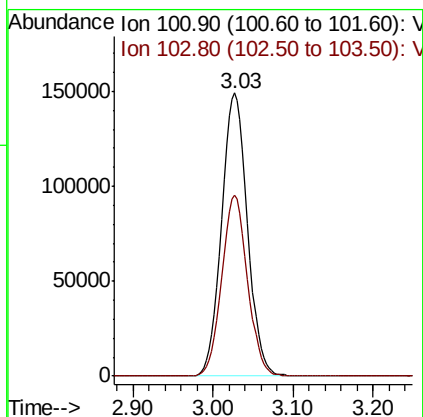
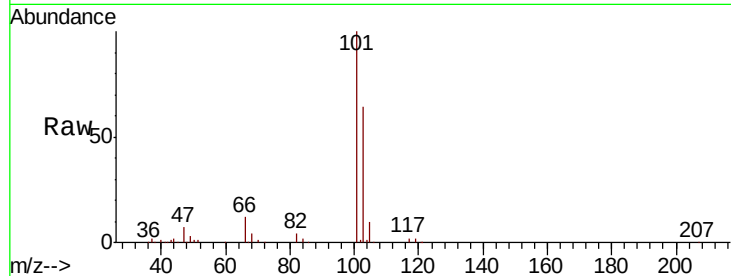


#7

Trichlorofluoromethane
 Concen: 19.977 ug/l
 RT: 3.03 min Scan# 390
 Delta R.T. 0.00 min
 Lab File: VN052994.D
 Acq: 19 Dec 2018 6:52

Instrument :
 MSVOA_N
 ClientSampleId :
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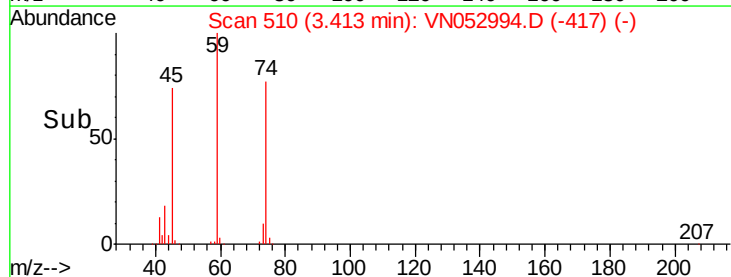
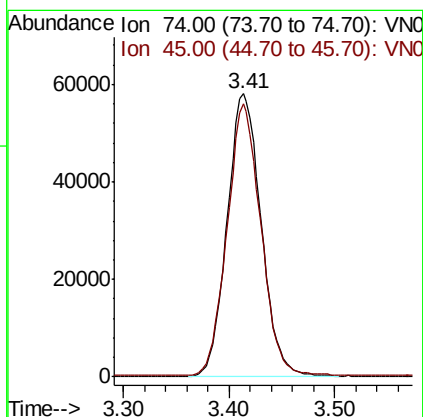
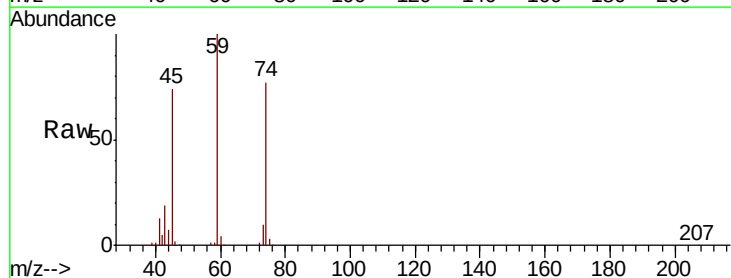
Tot Ion:101 Resp: 332801
 Ion Ratio Lower Upper
 101 100
 103 64.1 51.8 77.6

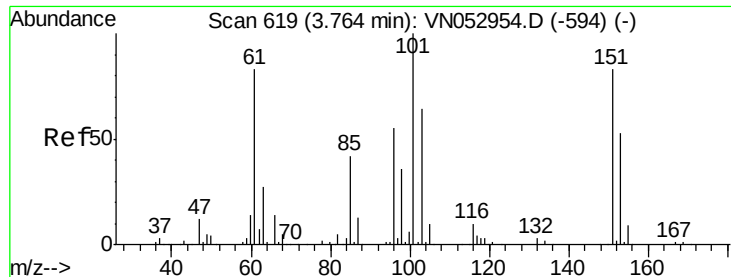


#8

Diethyl Ether
 Concen: 20.745 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VN052994.D
 Acq: 19 Dec 2018 6:52

Tgt Ion: 74 Resp: 130374
 Ion Ratio Lower Upper
 74 100
 45 94.8 49.4 148.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.178 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.00 min

Lab File: VN052994.D

Acq: 19 Dec 2018 6:52

Instrument :

MSVOA_N

ClientSampleId :

VN1218MBSD02

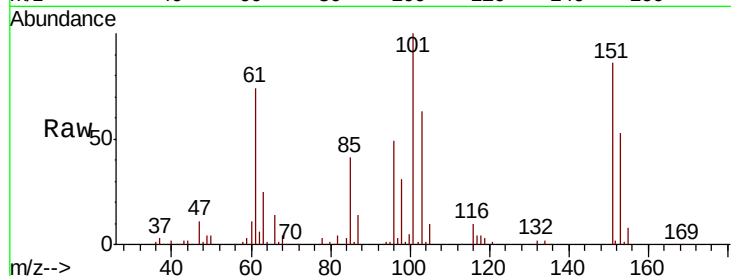
Tot Ion:101 Resp: 203705

Ion Ratio Lower Upper

101 100

85 41.7 33.6 50.4

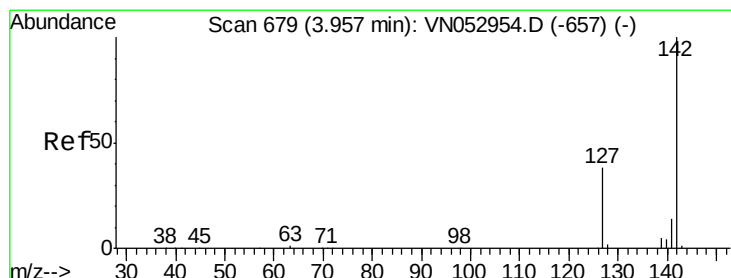
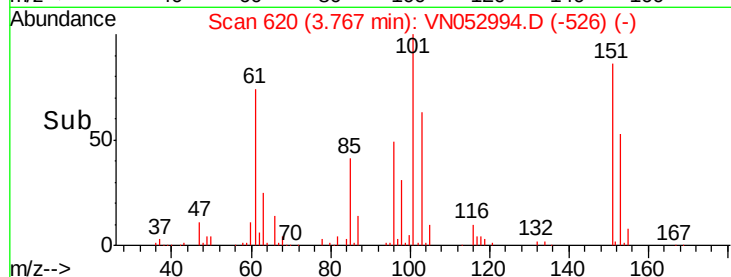
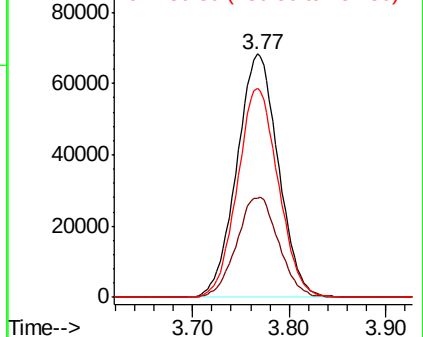
151 84.6 65.5 98.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.519 ug/l

RT: 3.96 min Scan# 680

Delta R.T. 0.00 min

Lab File: VN052994.D

Acq: 19 Dec 2018 6:52

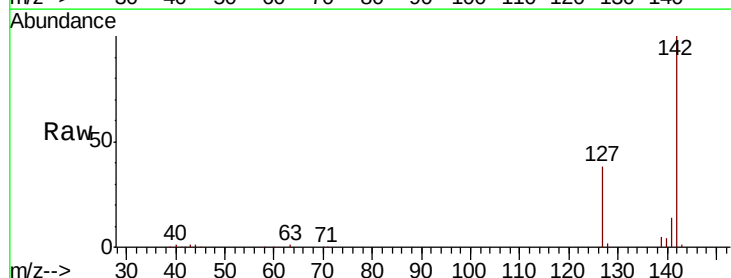
Tgt Ion:142 Resp: 291146

Ion Ratio Lower Upper

142 100

127 38.1 31.0 46.6

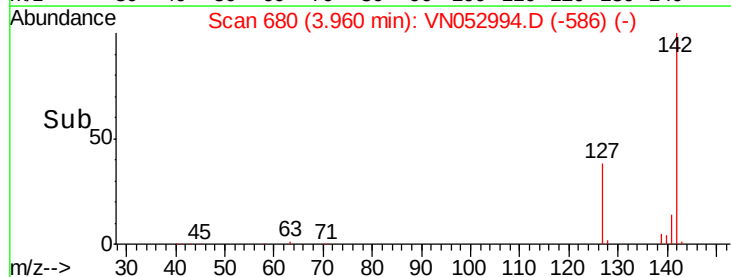
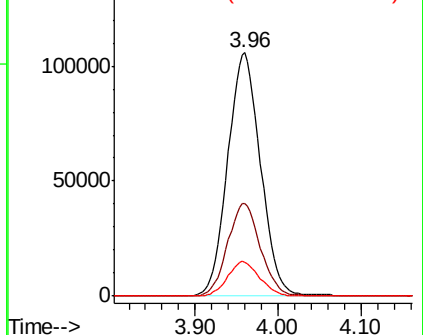
141 13.8 11.2 16.8

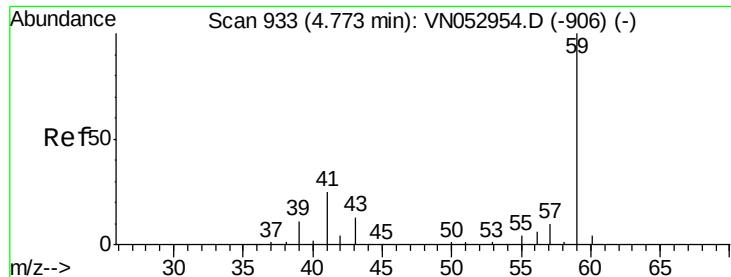


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



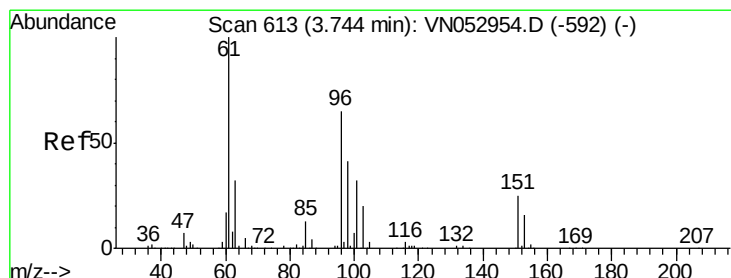
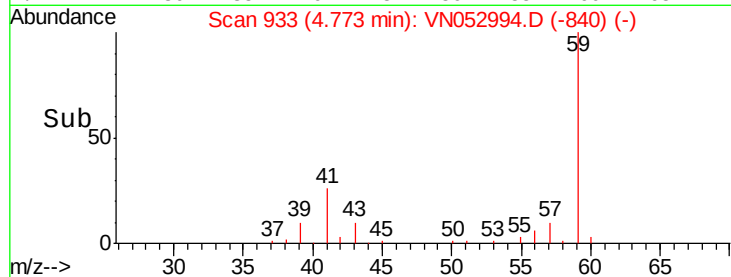
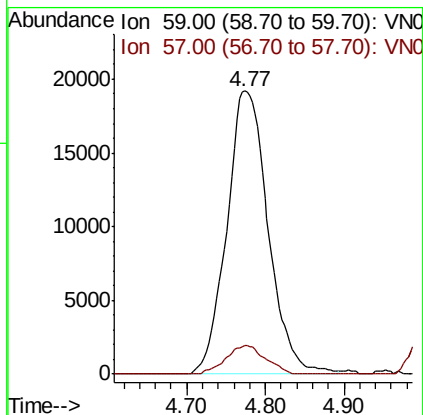
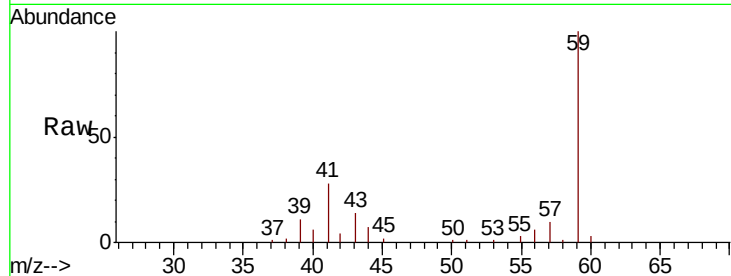


#11

Tert butyl alcohol
 Concen: 105.529 ug/l
 RT: 4.77 min Scan# 933
 Delta R.T. -0.00 min
 Lab File: VN052994.D
 Acq: 19 Dec 2018 6:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1218MBSD02

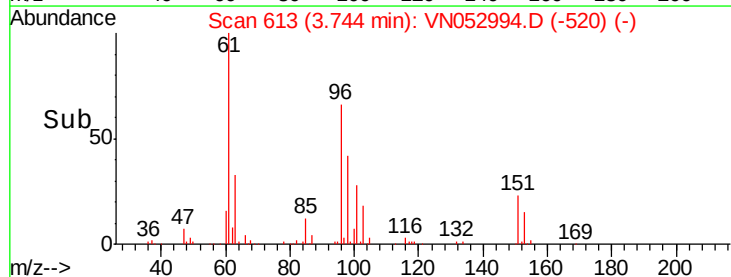
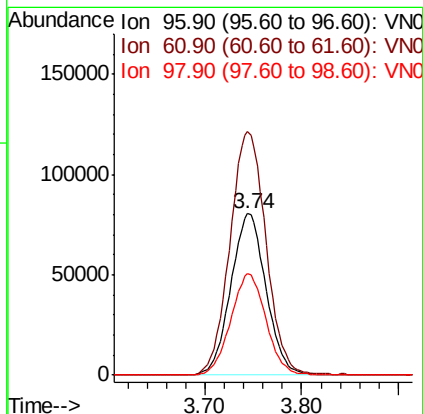
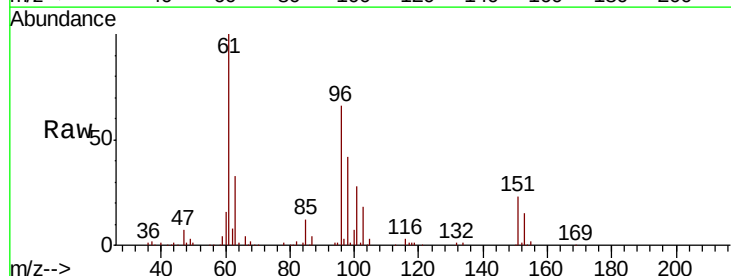
Tot Ion: 59 Resp: 70351
 Ion Ratio Lower Upper
 59 100
 57 9.6 7.7 11.5

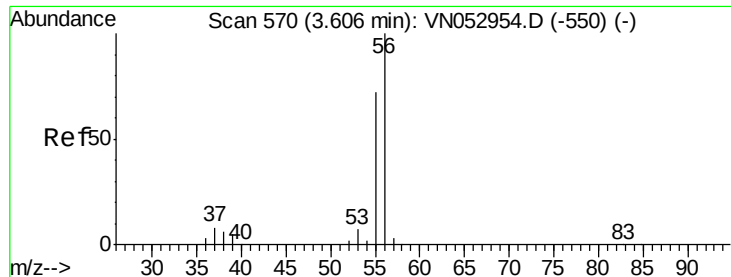


#12

1,1-Dichloroethene
 Concen: 19.825 ug/l
 RT: 3.74 min Scan# 613
 Delta R.T. -0.00 min
 Lab File: VN052994.D
 Acq: 19 Dec 2018 6:52

Tgt Ion: 96 Resp: 203438
 Ion Ratio Lower Upper
 96 100
 61 150.6 125.6 188.4
 98 63.1 50.6 75.8





#13

Acrolein

Concen: 129.640 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN052994.D

Acq: 19 Dec 2018 6:52

Instrument :

MSVOA_N

ClientSampleId :

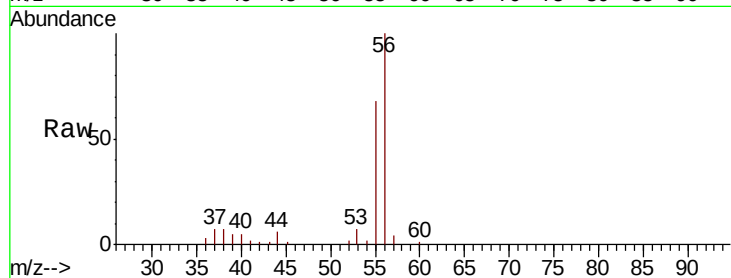
VN1218MBSD02

Tot Ion: 56 Resp: 78365

Ion Ratio Lower Upper

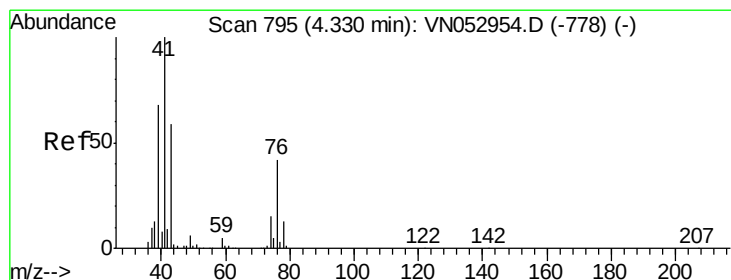
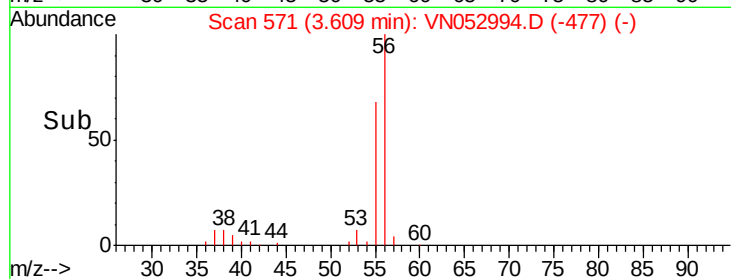
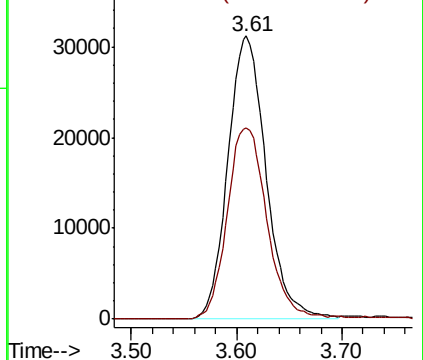
56 100

55 70.1 56.6 85.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 18.786 ug/l

RT: 4.33 min Scan# 795

Delta R.T. -0.00 min

Lab File: VN052994.D

Acq: 19 Dec 2018 6:52

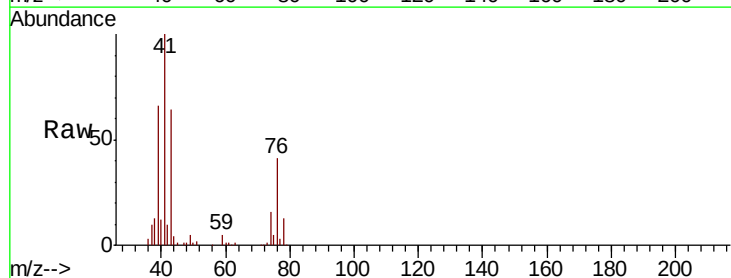
Tgt Ion: 41 Resp: 298610

Ion Ratio Lower Upper

41 100

39 66.7 54.1 81.1

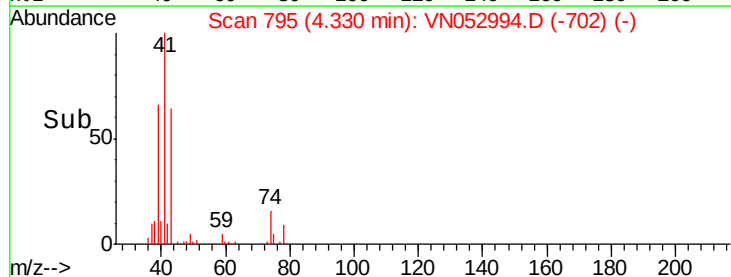
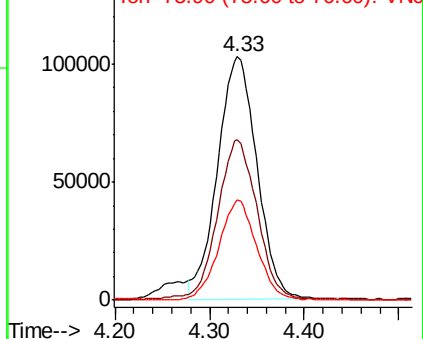
76 38.9 30.3 45.5

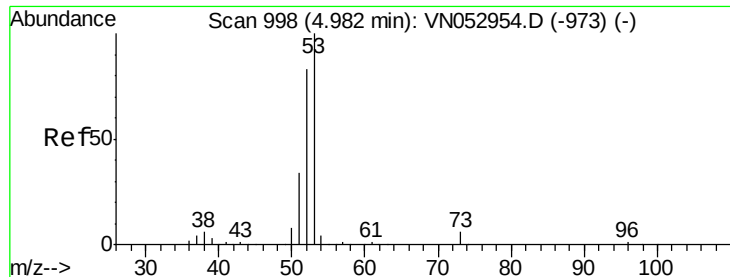


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 102.084 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.01 min

Lab File: VN052994.D

Acq: 19 Dec 2018 6:52

Instrument :

MSVOA_N

ClientSampled :

VN1218MBSD02

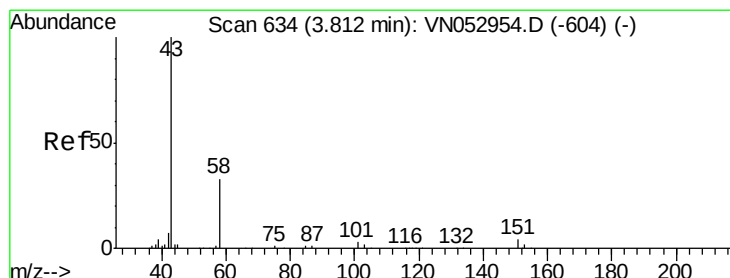
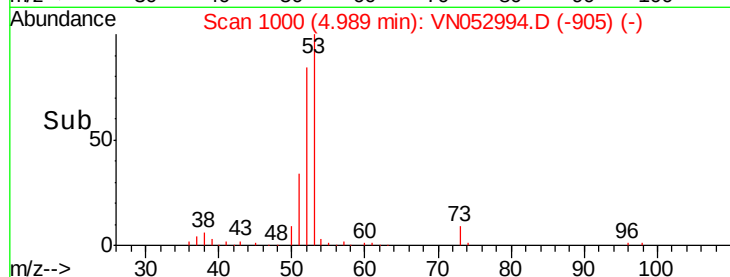
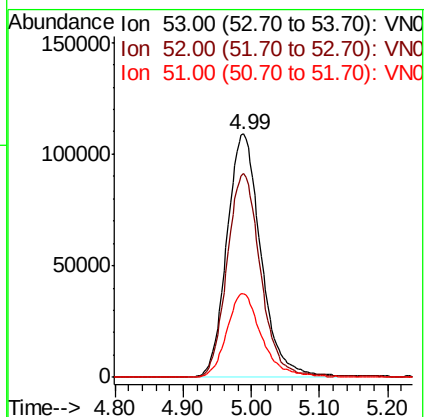
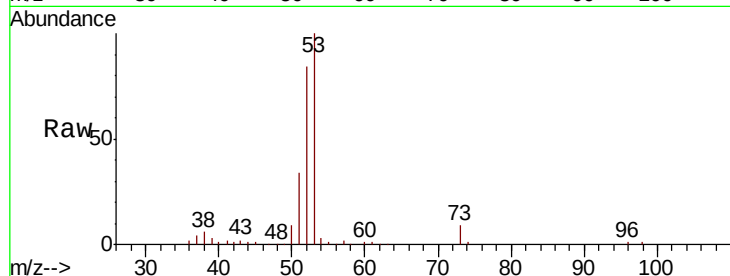
Tot Ion: 53 Resp: 378075

Ion Ratio Lower Upper

53 100

52 82.7 65.1 97.7

51 35.3 28.1 42.1



#16

Acetone

Concen: 113.567 ug/l

RT: 3.82 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN052994.D

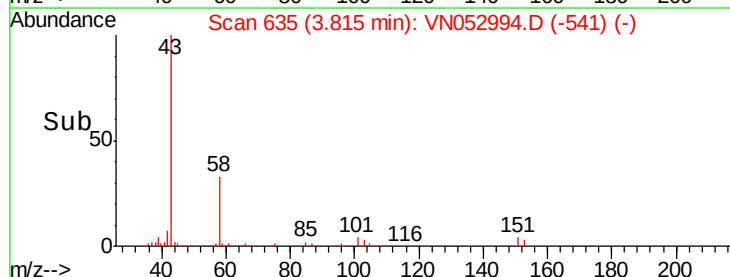
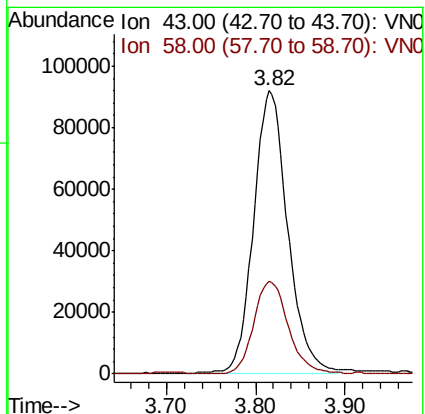
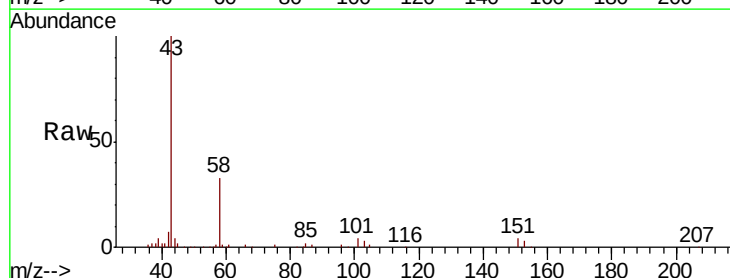
Acq: 19 Dec 2018 6:52

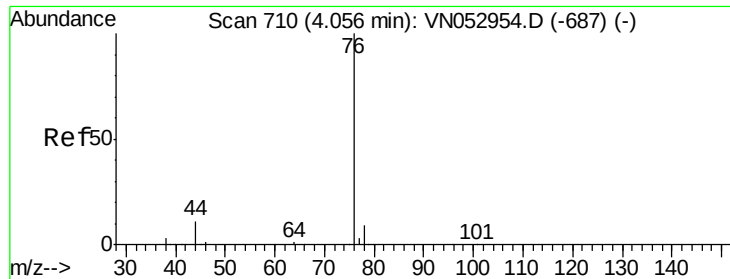
Tgt Ion: 43 Resp: 243285

Ion Ratio Lower Upper

43 100

58 32.4 25.4 38.0

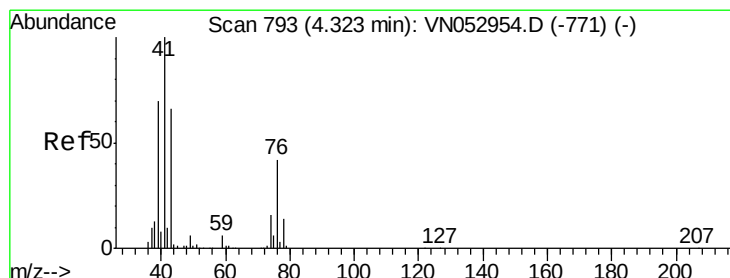
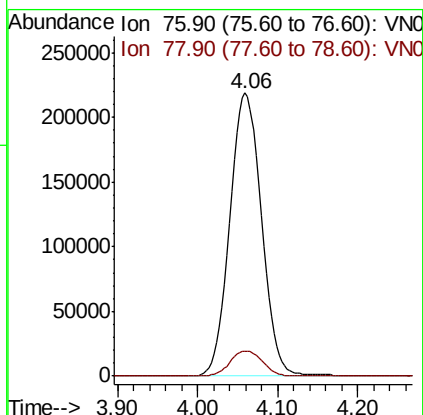
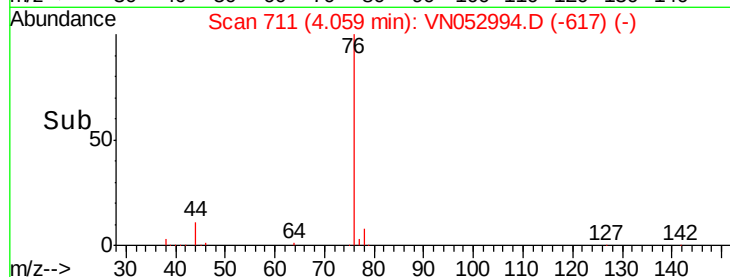
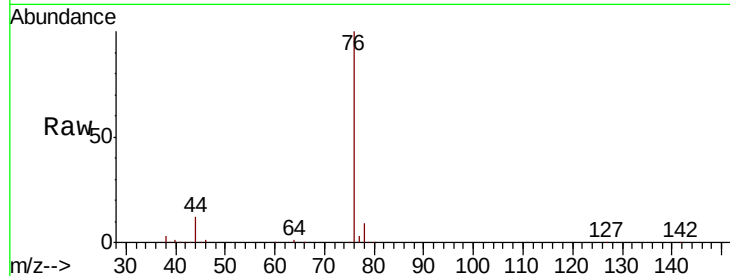




#17
Carbon Disulfide
Concen: 17.591 ug/l
RT: 4.06 min Scan# 711
Delta R.T. 0.00 min
Lab File: VN052994.D
Acq: 19 Dec 2018 6:52

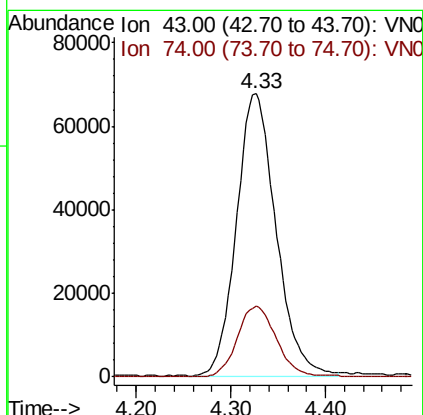
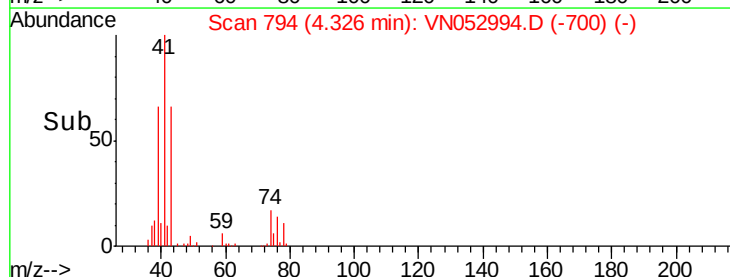
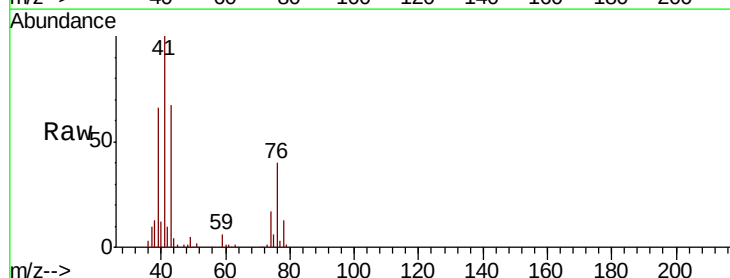
Instrument :
MSVOA_N
ClientSampleId :
VN1218MBSD02

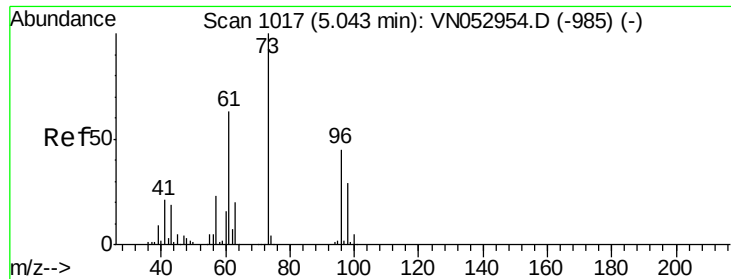
Tot Ion: 76 Resp: 588686
Ion Ratio Lower Upper
76 100
78 8.9 7.1 10.7



#18
Methyl Acetate
Concen: 20.736 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN052994.D
Acq: 19 Dec 2018 6:52

Tgt Ion: 43 Resp: 195852
Ion Ratio Lower Upper
43 100
74 25.0 19.2 28.8





#19

Methyl tert-butyl Ether

Concen: 20.593 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN052994.D

Acq: 19 Dec 2018 6:52

Instrument :

MSVOA_N

ClientSampleId :

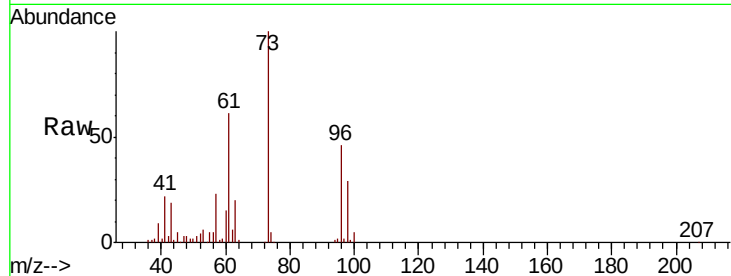
VN1218MBSD02

Tot Ion: 73 Resp: 565507

Ion Ratio Lower Upper

73 100

57 22.9 18.4 27.6



Abundance Ion 73.00 (72.70 to 73.70): VN052994.D (-924) (-)

Ion 57.00 (56.70 to 57.70): VN052994.D (-924) (-)

5.05

150000

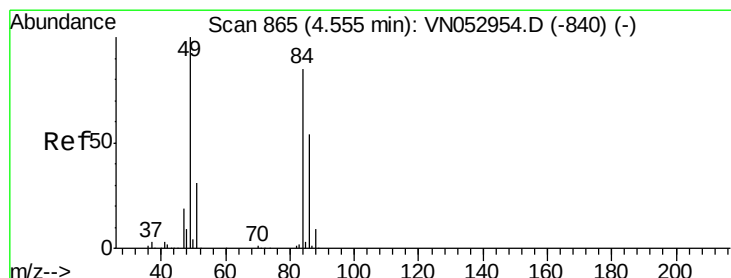
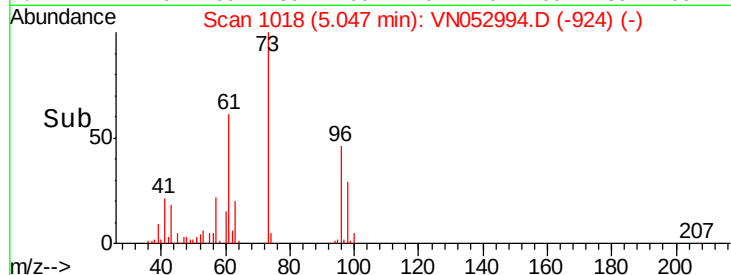
100000

50000

0

4.90 5.00 5.10 5.20

Time-->



#20

Methylene Chloride

Concen: 22.460 ug/l

RT: 4.56 min Scan# 866

Delta R.T. 0.00 min

Lab File: VN052994.D

Acq: 19 Dec 2018 6:52

Tgt Ion: 84 Resp: 262453

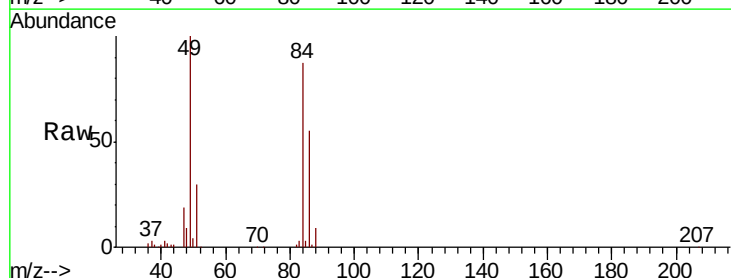
Ion Ratio Lower Upper

84 100

49 115.2 96.8 145.2

51 34.3 29.9 44.9

86 62.9 51.8 77.6



Abundance Ion 83.90 (83.60 to 84.60): VN052994.D (-772) (-)

Ion 48.90 (48.60 to 49.60): VN052994.D (-772) (-)

Ion 50.90 (50.60 to 51.60): VN052994.D (-772) (-)

Ion 85.90 (85.60 to 86.60): VN052994.D (-772) (-)

150000

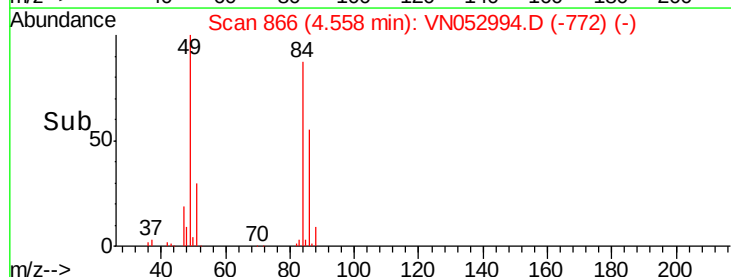
100000

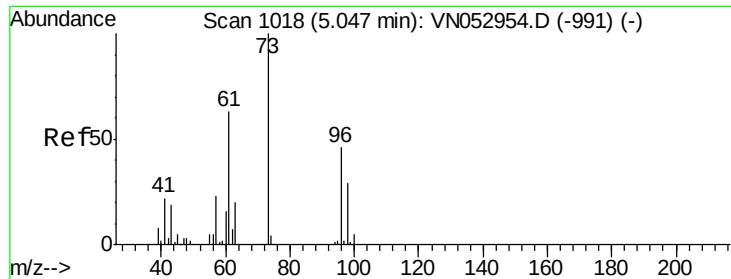
50000

0

4.40 4.50 4.60 4.70

Time-->

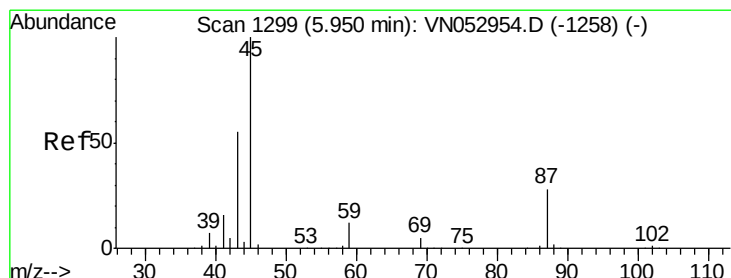
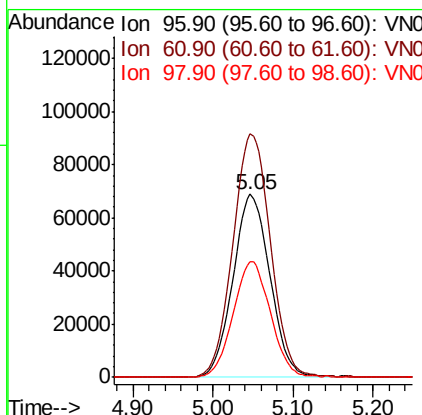
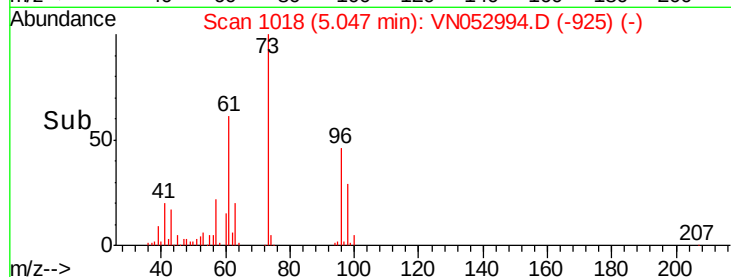
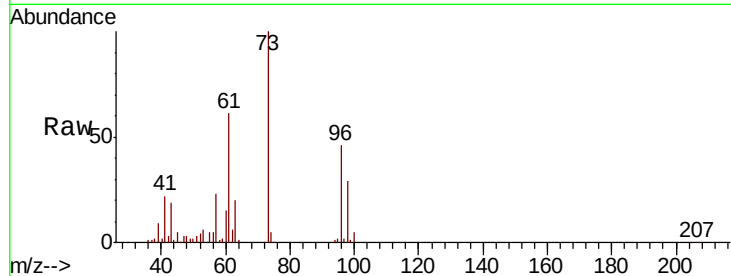




#21
trans-1,2-Dichloroethene
Concen: 19.632 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN052994.D
Acq: 19 Dec 2018 6:52

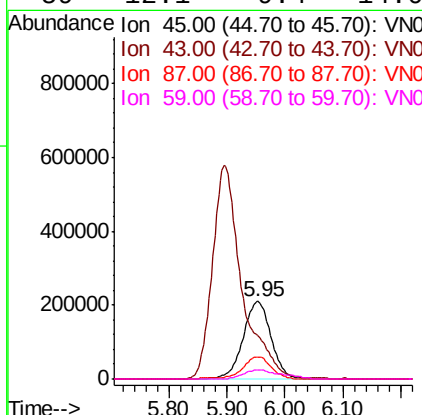
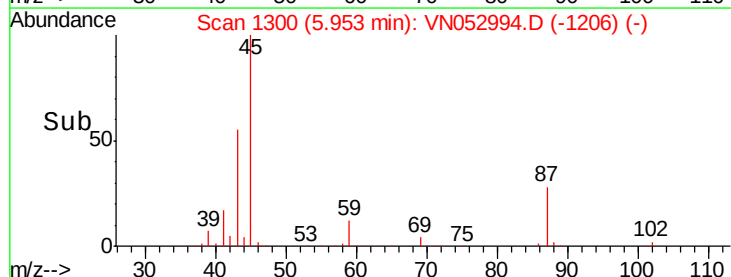
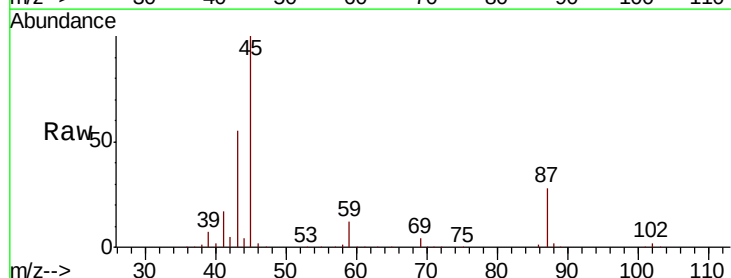
Instrument :
MSVOA_N
ClientSampleId :
VN1218MBSD02

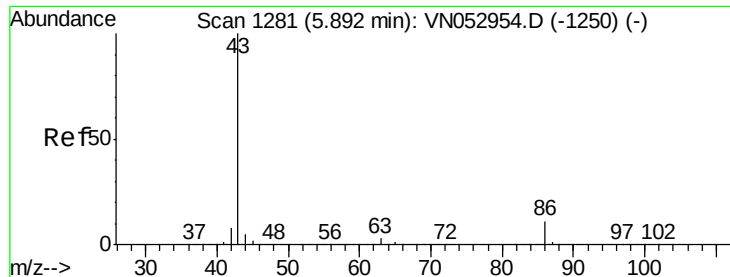
Tot Ion: 96 Resp: 216446
Ion Ratio Lower Upper
96 100
61 133.2 110.8 166.2
98 63.4 51.4 77.2



#22
Diisopropyl ether
Concen: 20.822 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN052994.D
Acq: 19 Dec 2018 6:52

Tgt Ion: 45 Resp: 706453
Ion Ratio Lower Upper
45 100
43 54.4 45.5 68.3
87 28.5 22.0 33.0
59 12.1 9.4 14.0

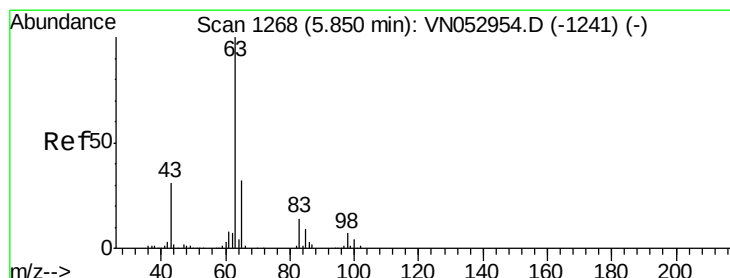
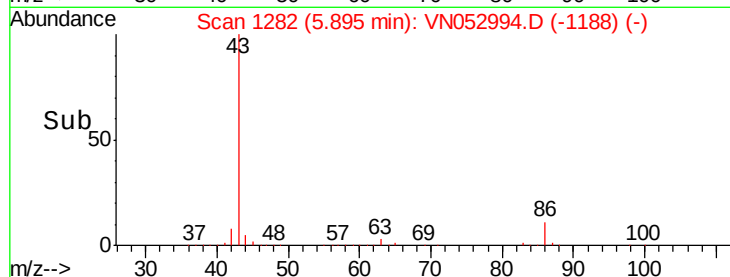
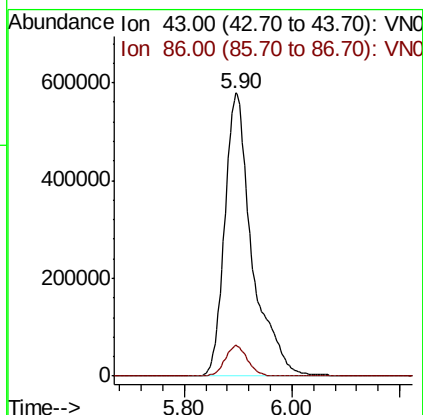
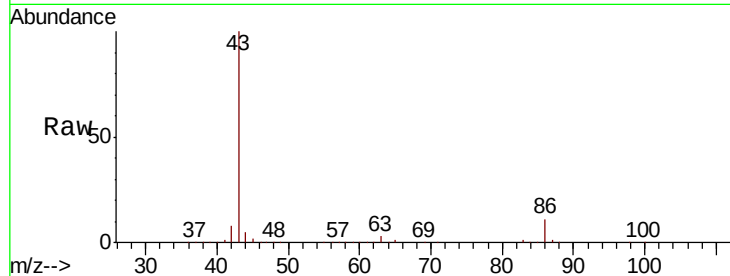




#23
 Vinyl Acetate
 Concen: 104.757 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN052994.D
 Acq: 19 Dec 2018 6:52

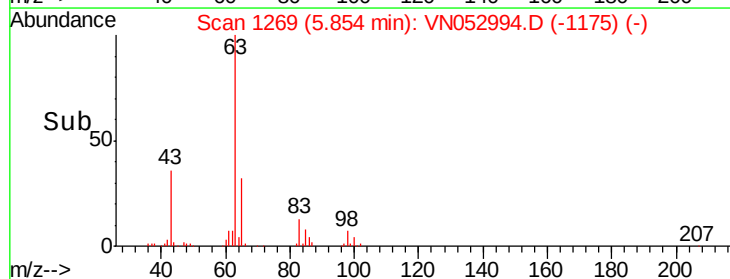
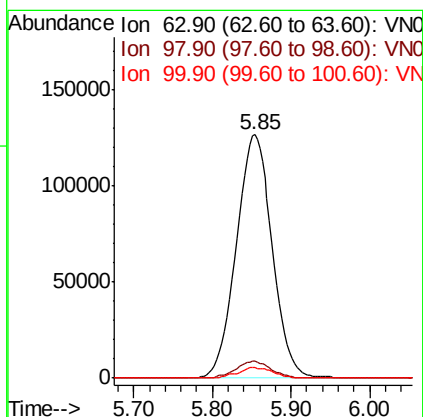
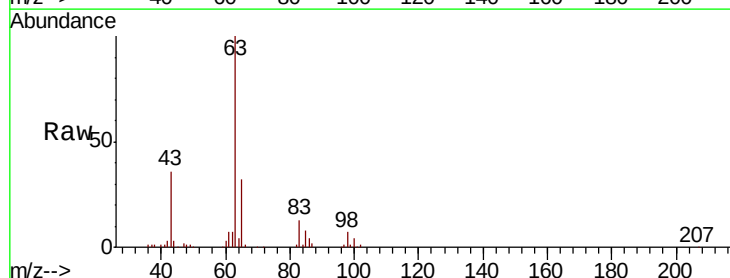
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1218MBSD02

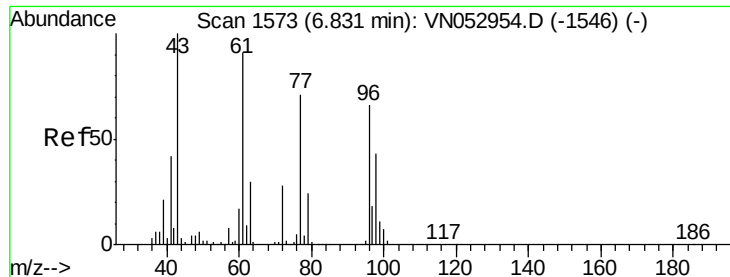
Tot Ion: 43 Resp: 2043804
 Ion Ratio Lower Upper
 43 100
 86 10.8 8.1 12.1



#24
 1,1-Dichloroethane
 Concen: 20.093 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN052994.D
 Acq: 19 Dec 2018 6:52

Tgt Ion: 63 Resp: 405108
 Ion Ratio Lower Upper
 63 100
 98 6.9 3.1 9.4
 100 4.1 2.0 5.8





#25

2-Butanone

Concen: 110.257 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN052994.D

Acq: 19 Dec 2018 6:52

Instrument :

MSVOA_N

ClientSampleId :

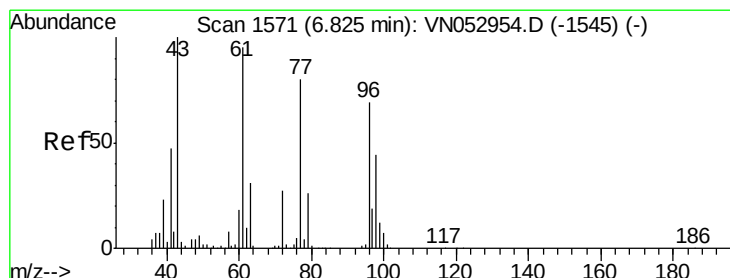
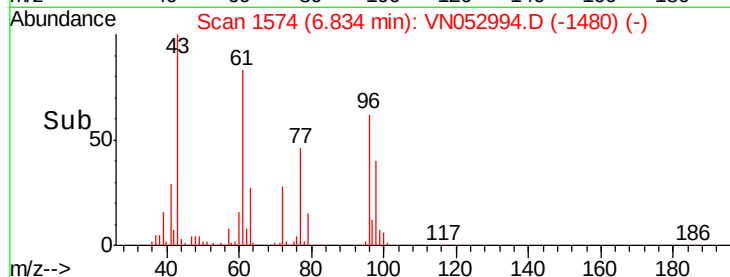
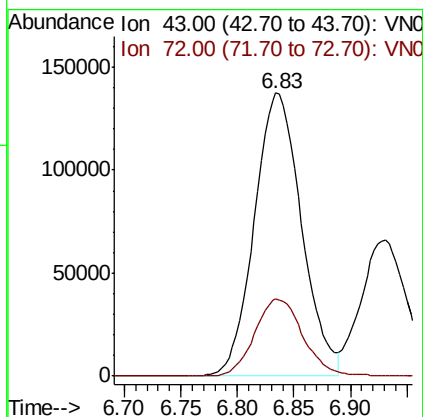
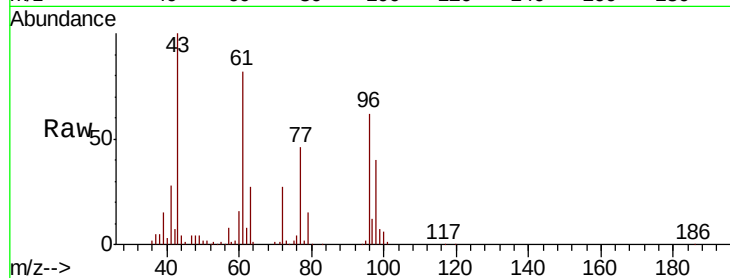
VN1218MBSD02

Tot Ion: 43 Resp: 396392

Ion Ratio Lower Upper

43 100

72 27.5 21.0 31.6



#26

2,2-Dichloropropane

Concen: 13.855 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN052994.D

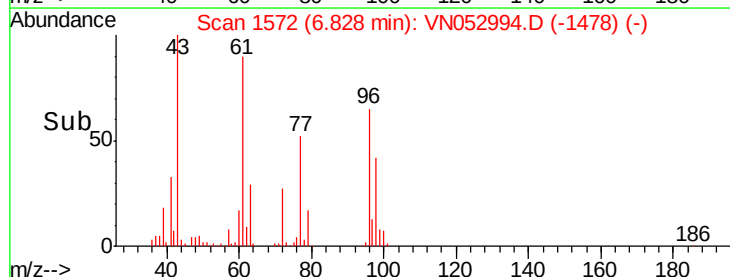
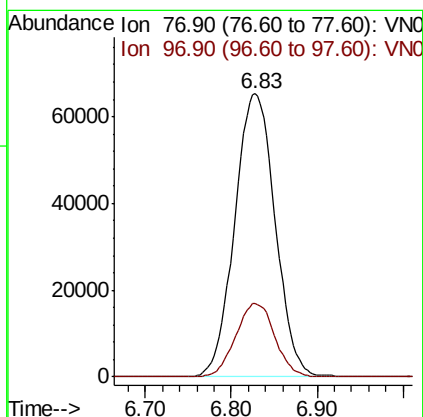
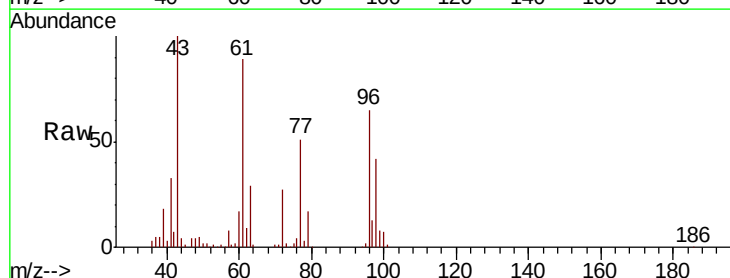
Acq: 19 Dec 2018 6:52

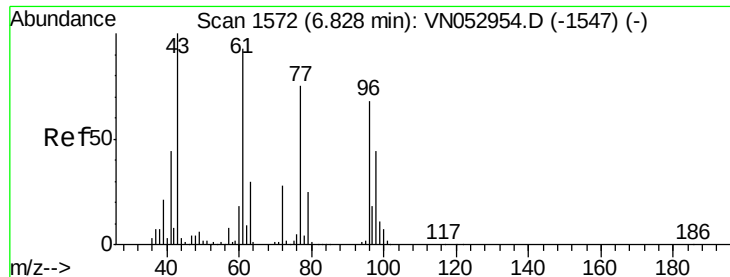
Tgt Ion: 77 Resp: 213228

Ion Ratio Lower Upper

77 100

97 25.1 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 20.010 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.01 min

Lab File: VN052994.D

Acq: 19 Dec 2018 6:52

Instrument :

MSVOA_N

ClientSampleId :

VN1218MBSD02

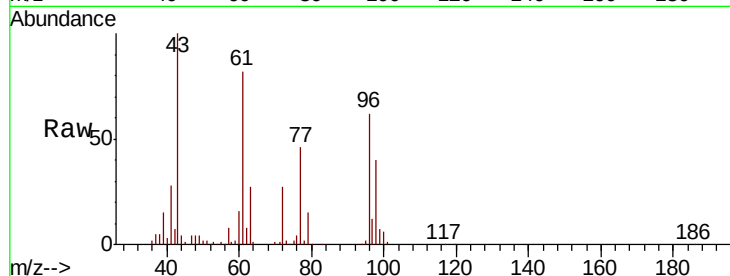
Tot Ion: 96 Resp: 249759

Ion Ratio Lower Upper

96 100

61 135.0 0.0 284.2

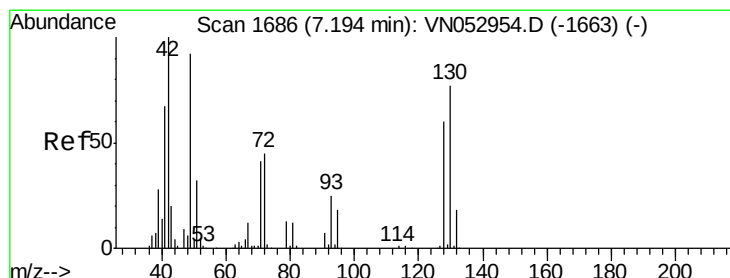
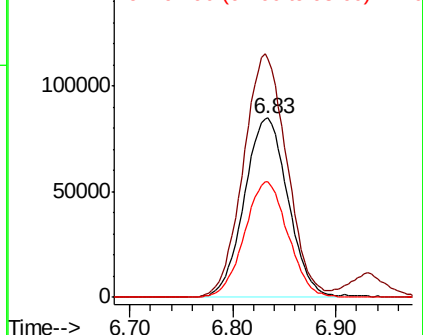
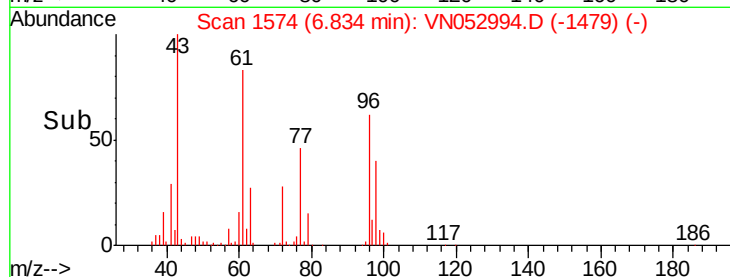
98 64.2 0.0 129.2



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 21.038 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN052994.D

Acq: 19 Dec 2018 6:52

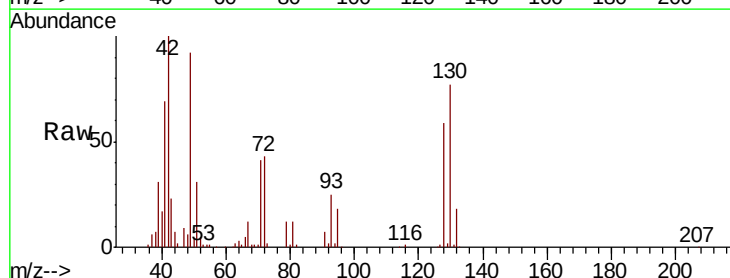
Tgt Ion: 49 Resp: 183793

Ion Ratio Lower Upper

49 100

129 1.9 0.0 4.0

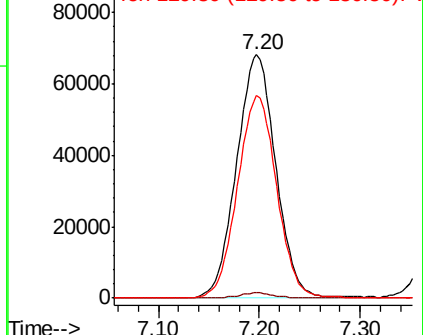
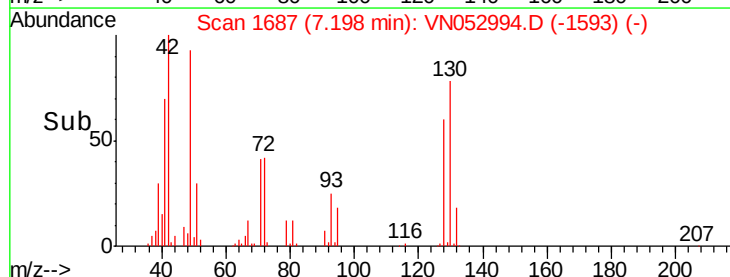
130 83.0 63.3 94.9

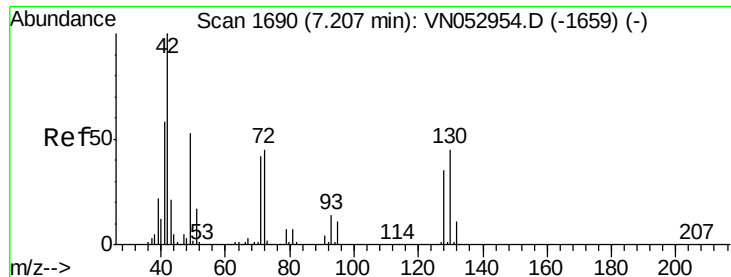


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 106.003 ug/l

RT: 7.21 min Scan# 1692

Delta R.T. 0.01 min

Lab File: VN052994.D

Acq: 19 Dec 2018 6:52

Instrument :

MSVOA_N

ClientSampleId :

VN1218MBSD02

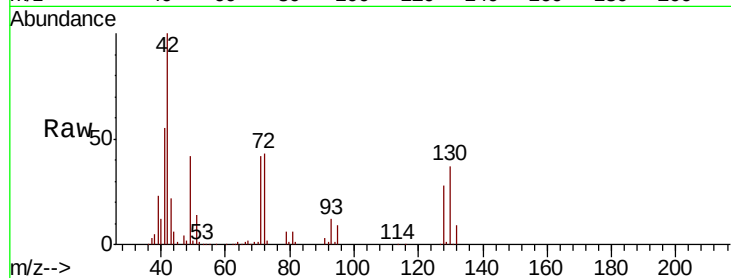
Tot Ion: 42 Resp: 284630

Ion Ratio Lower Upper

42 100

72 43.5 34.7 52.1

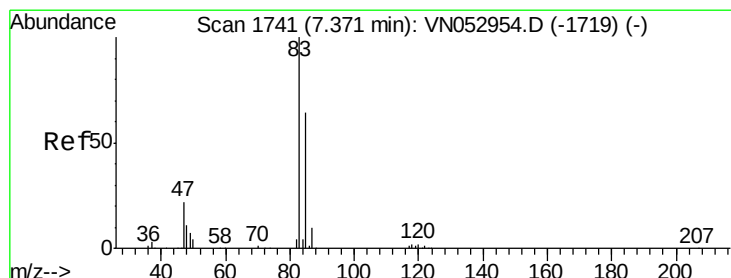
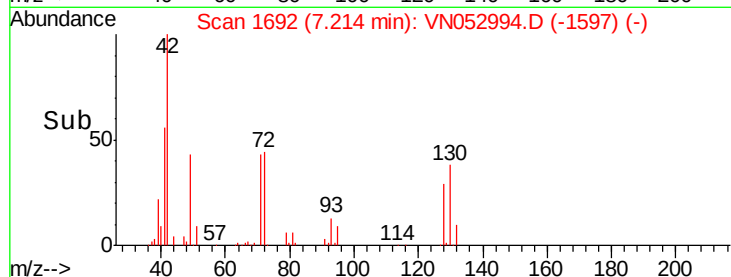
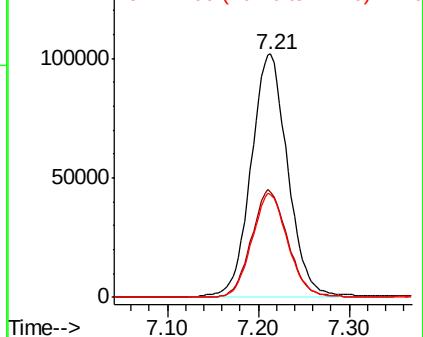
71 41.8 32.3 48.5



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: 20.061 ug/l

RT: 7.37 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VN052994.D

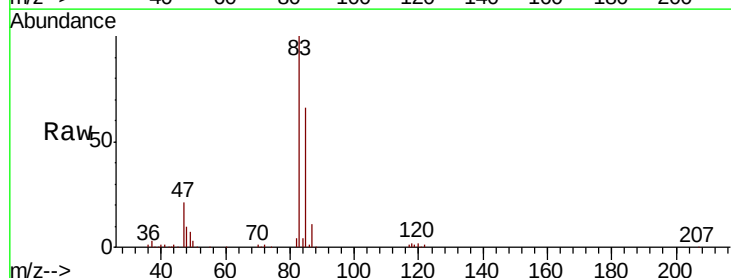
Acq: 19 Dec 2018 6:52

Tgt Ion: 83 Resp: 397324

Ion Ratio Lower Upper

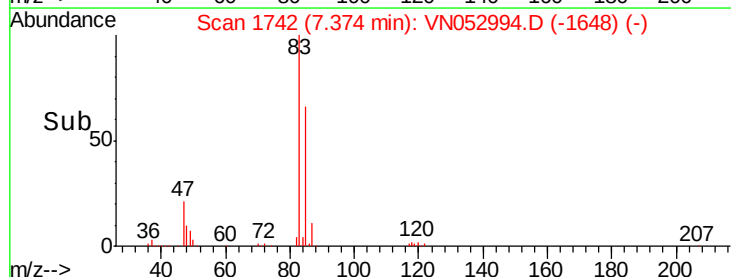
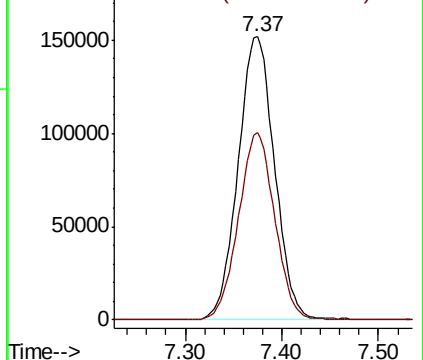
83 100

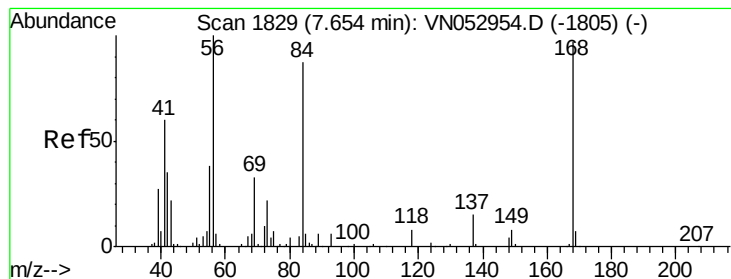
85 66.3 52.1 78.1



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 19.681 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN052994.D

Acq: 19 Dec 2018 6:52

Instrument :

MSVOA_N

ClientSampleId :

VN1218MBSD02

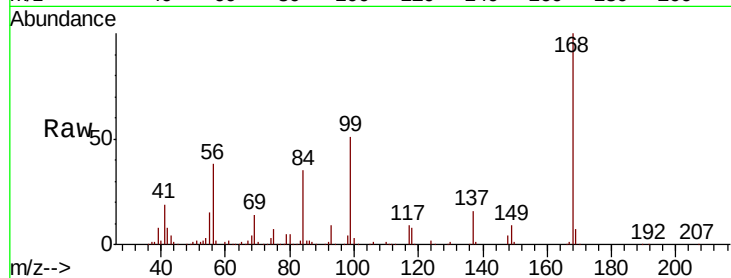
Tot Ion: 56 Resp: 384196

Ion Ratio Lower Upper

56 100

69 36.9 26.6 39.8

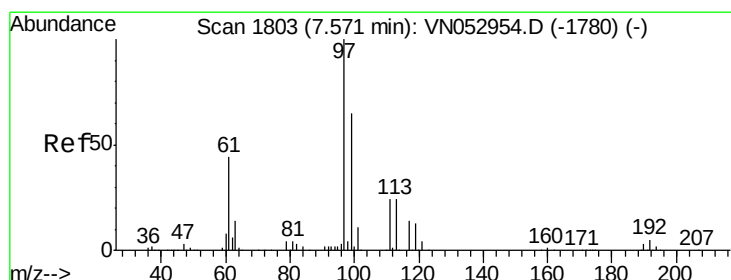
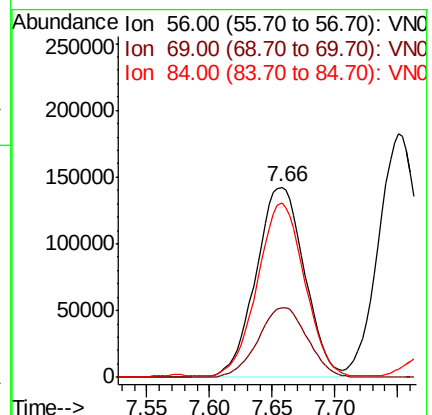
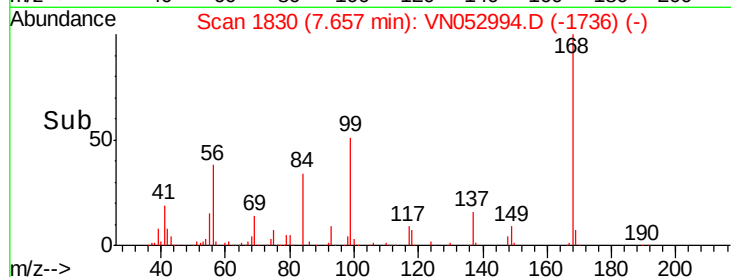
84 90.5 68.4 102.6



Abundance Ion 56.00 (55.70 to 56.70): VN052994.D (-1736) (-)

Ion 69.00 (68.70 to 69.70): VN052994.D (-1736) (-)

Ion 84.00 (83.70 to 84.70): VN052994.D (-1736) (-)



#32

1,1,1-Trichloroethane

Concen: 19.610 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN052994.D

Acq: 19 Dec 2018 6:52

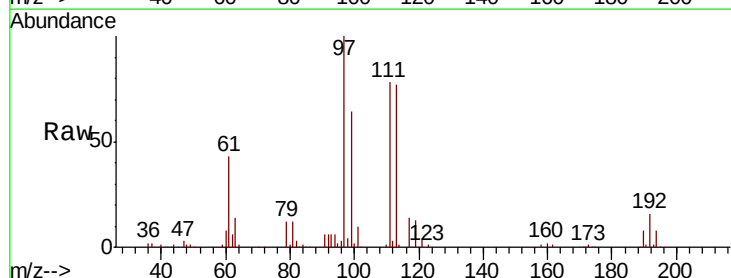
Tgt Ion: 97 Resp: 330846

Ion Ratio Lower Upper

97 100

99 65.0 51.1 76.7

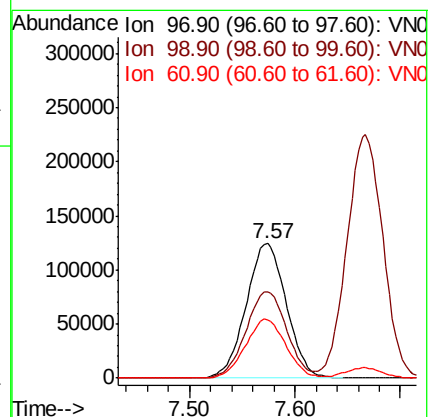
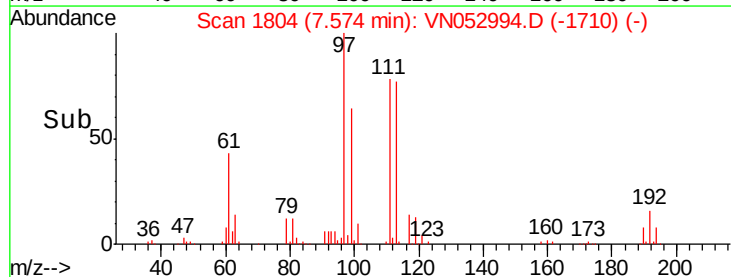
61 44.0 35.0 52.6

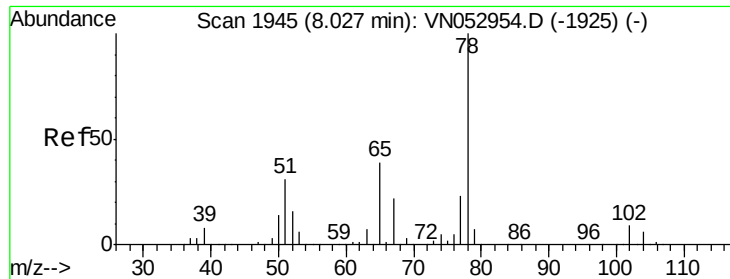


Abundance Ion 96.90 (96.60 to 97.60): VN052994.D (-1710) (-)

Ion 98.90 (98.60 to 99.60): VN052994.D (-1710) (-)

Ion 60.90 (60.60 to 61.60): VN052994.D (-1710) (-)

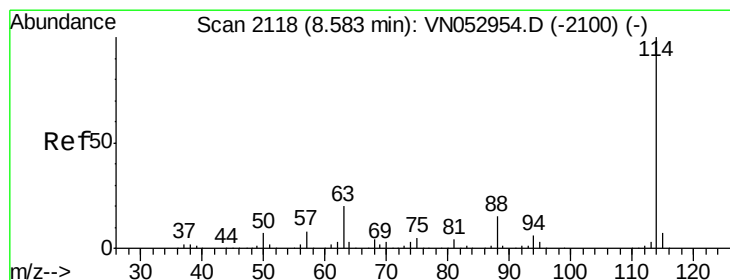
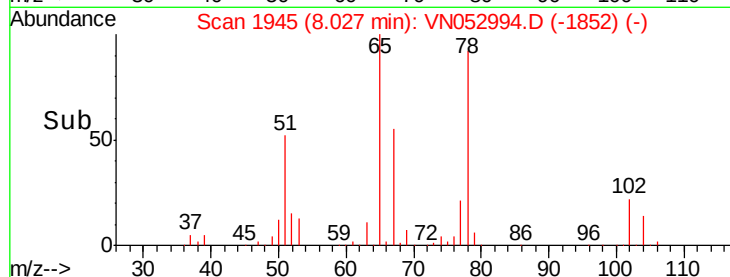
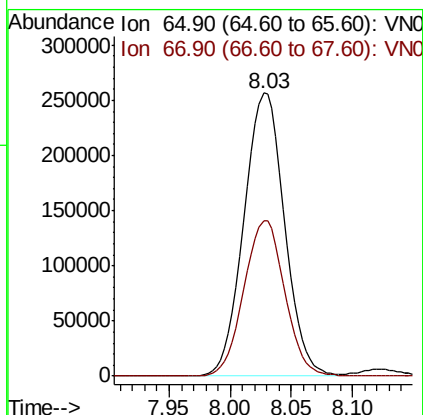
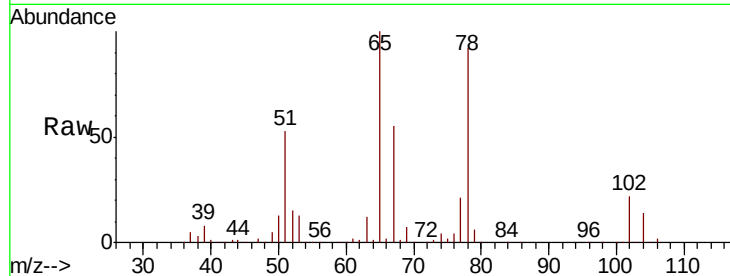




#33
 1,2-Dichloroethane-d4
 Concen: 19.610 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN052994.D
 Acq: 19 Dec 2018 6:52

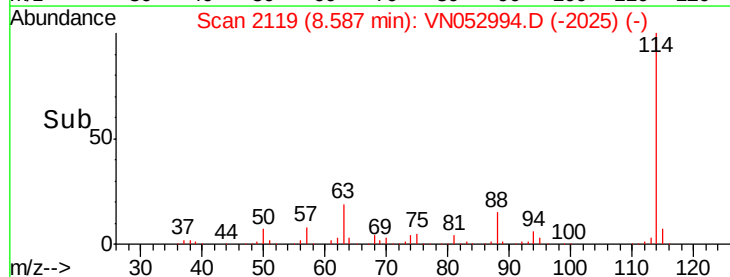
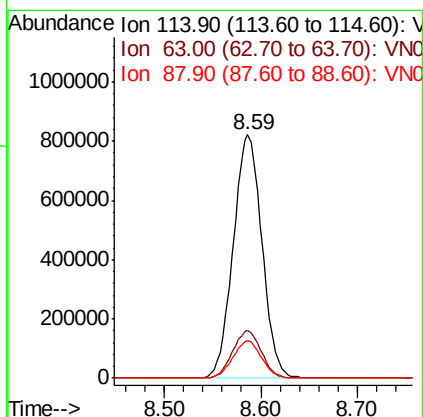
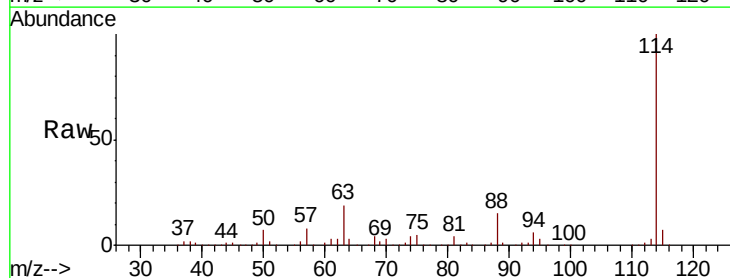
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1218MBSD02

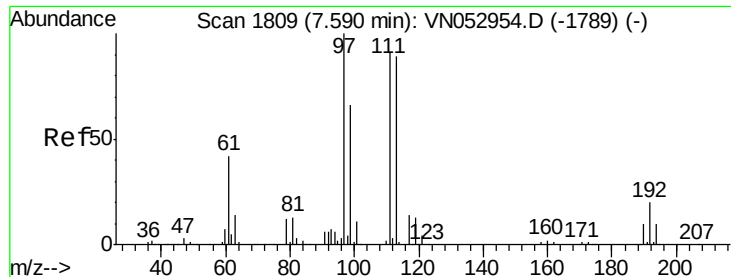
Tot Ion: 65 Resp: 591718
 Ion Ratio Lower Upper
 65 100
 67 55.3 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052994.D
 Acq: 19 Dec 2018 6:52

Tgt Ion: 114 Resp: 1692112
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 39.8
 88 15.4 0.0 31.0

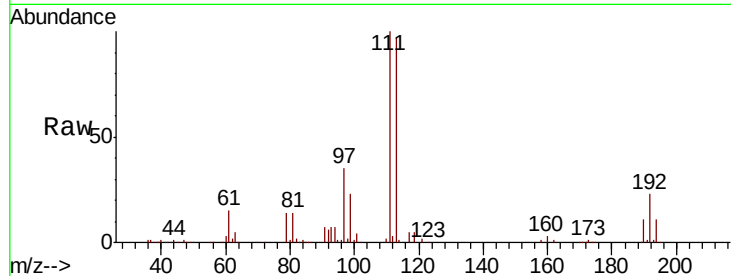




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN052994.D
 Acq: 19 Dec 2018 6:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1218MBSD02

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.7	83.0	124.4
192	22.3	17.5	26.3

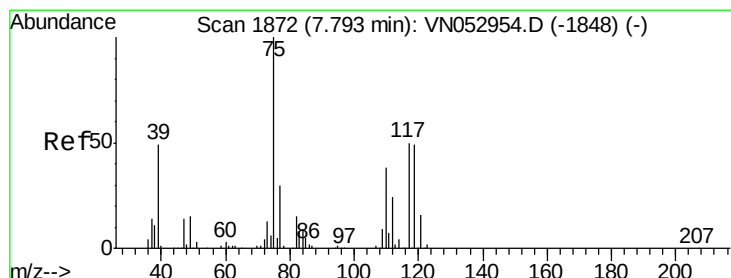
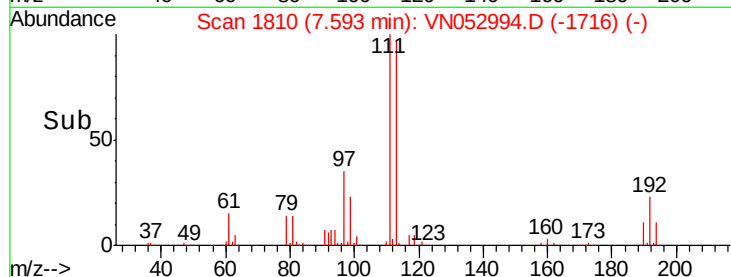
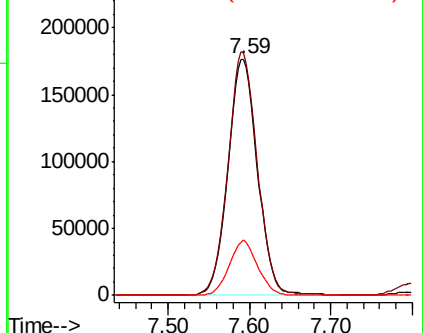


Abundance

Ion 112.80 (112.50 to 113.50): V

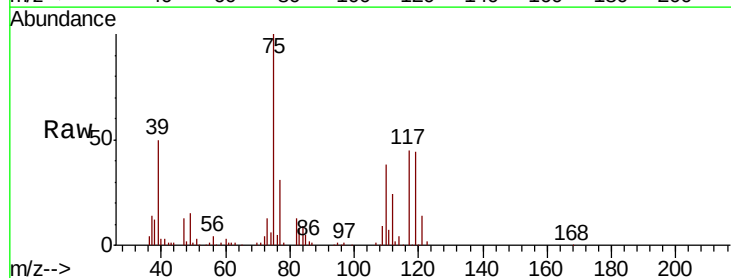
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 18.631 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN052994.D
 Acq: 19 Dec 2018 6:52

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.1	18.2	54.6
77	31.5	24.9	37.3

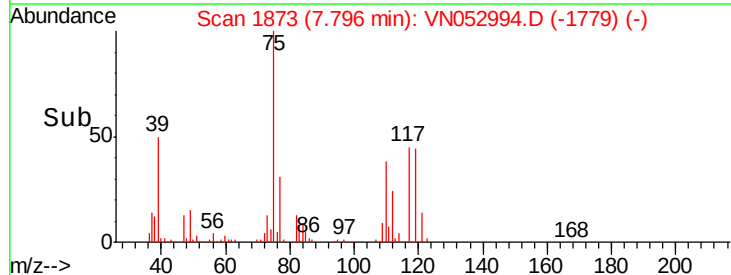
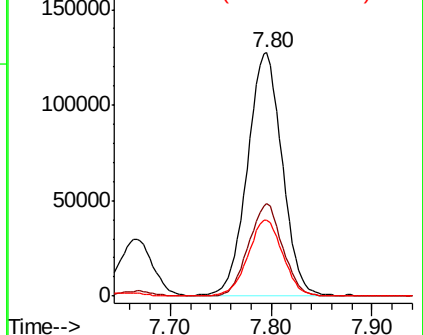


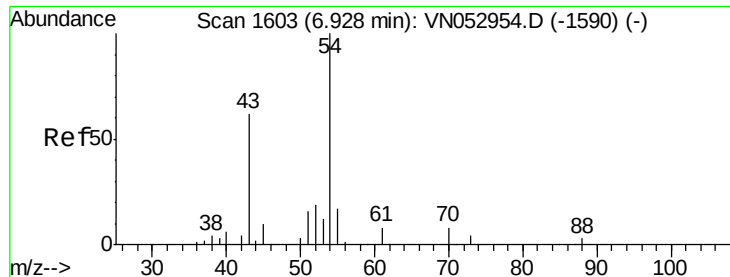
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

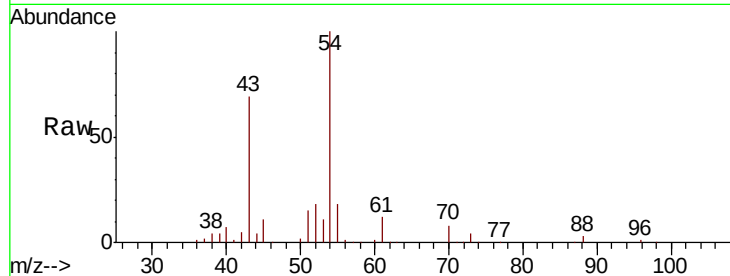




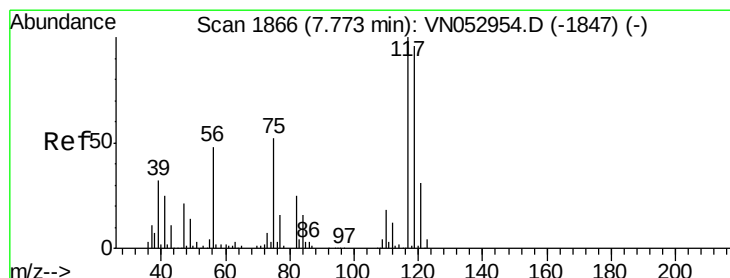
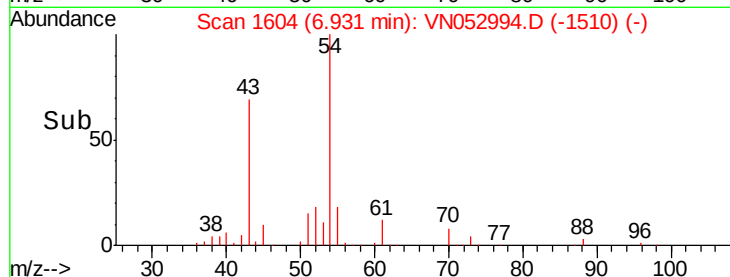
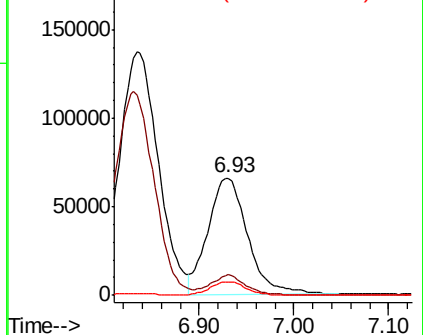
#37
Ethyl Acetate
Concen: 20.987 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN052994.D
Acq: 19 Dec 2018 6:52

Instrument :
MSVOA_N
ClientSampleId :
VN1218MBSD02

Tot Ion: 43 Resp: 190284
Ion Ratio Lower Upper
43 100
61 15.1 11.8 17.6
70 10.9 8.4 12.6

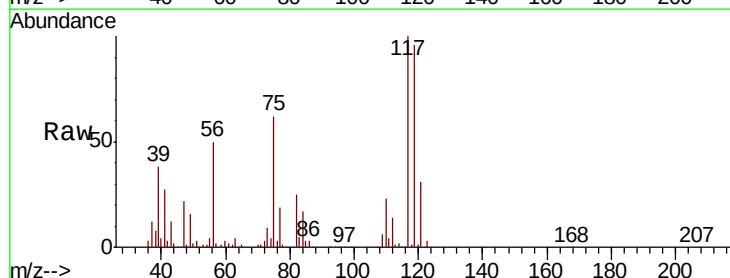


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

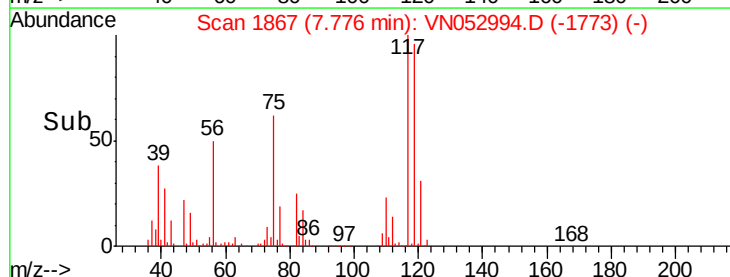
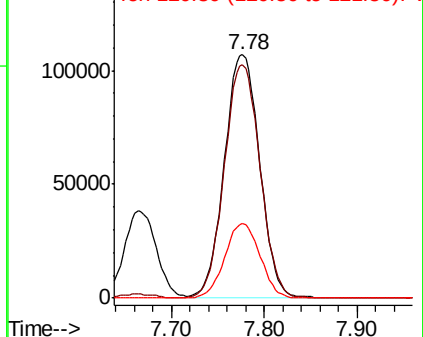


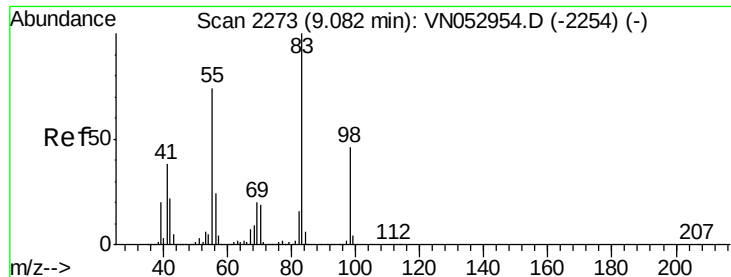
#38
Carbon Tetrachloride
Concen: 18.956 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN052994.D
Acq: 19 Dec 2018 6:52

Tgt Ion: 117 Resp: 282193
Ion Ratio Lower Upper
117 100
119 95.8 77.1 115.7
121 30.8 24.9 37.3



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

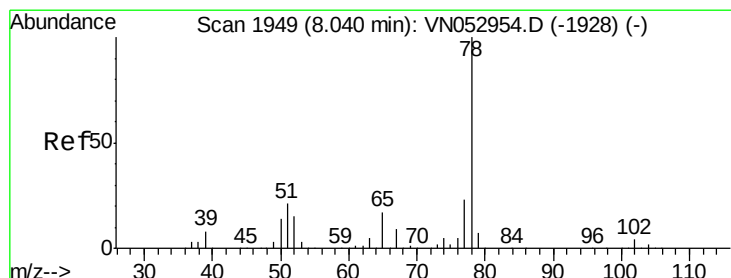
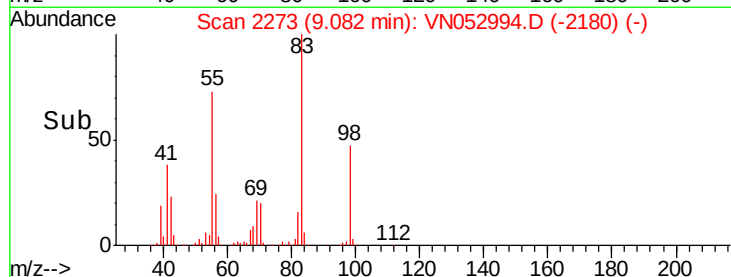
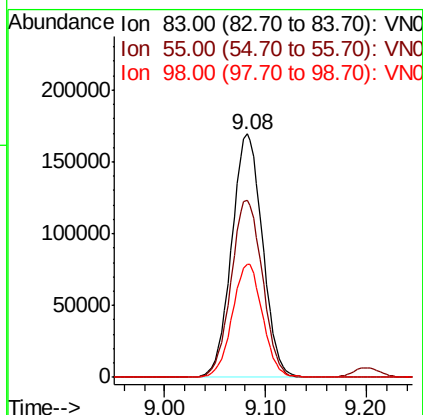
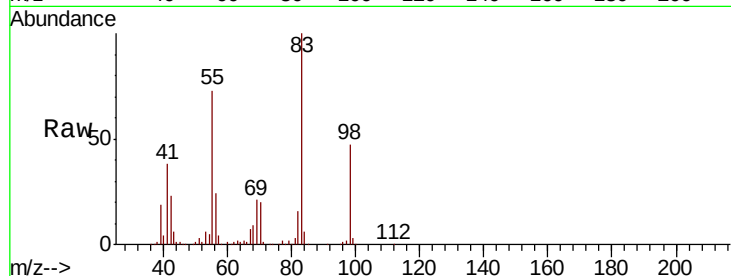




#39
Methylvlcyclohexane
Concen: 18.192 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN052994.D
Acq: 19 Dec 2018 6:52

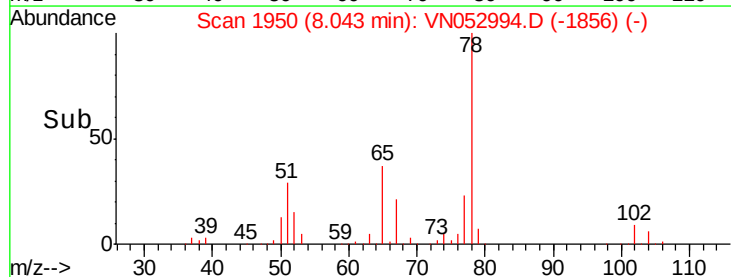
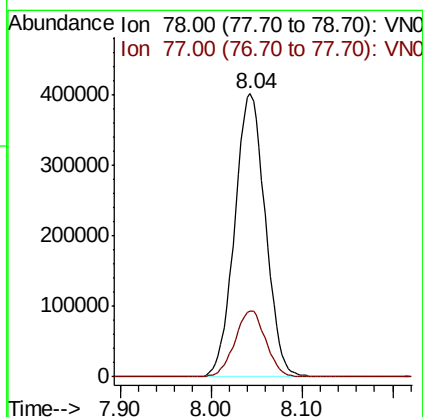
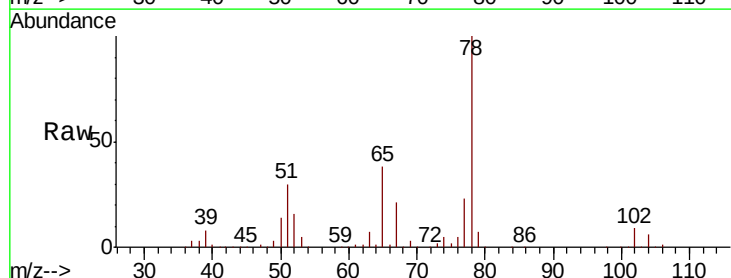
Instrument :
MSVOA_N
ClientSampleId :
VN1218MBSD02

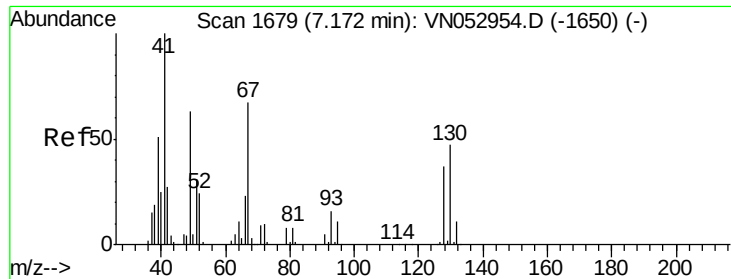
Tot Ion: 83 Resp: 358932
Ion Ratio Lower Upper
83 100
55 72.8 61.3 91.9
98 46.6 37.0 55.4



#40
Benzene
Concen: 19.500 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN052994.D
Acq: 19 Dec 2018 6:52

Tgt Ion: 78 Resp: 942033
Ion Ratio Lower Upper
78 100
77 23.4 18.5 27.7

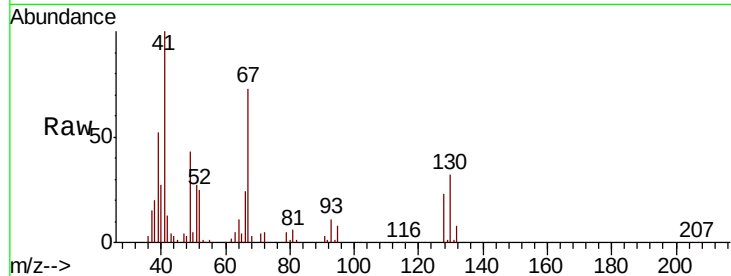




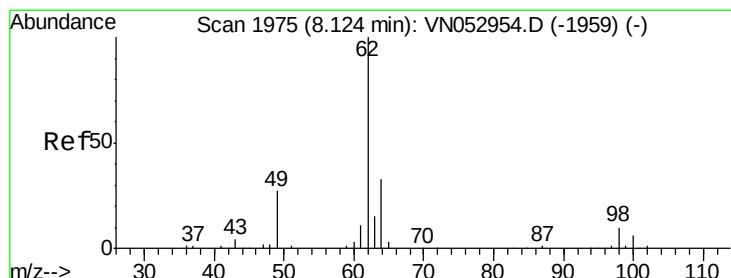
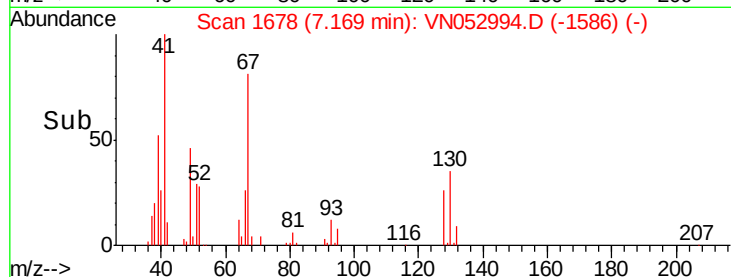
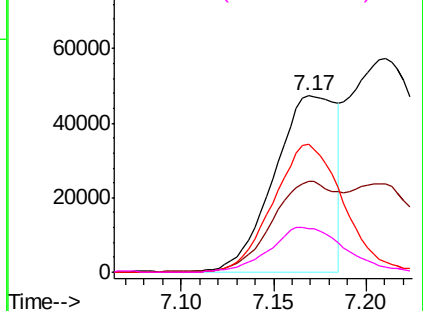
#41
Methacrylonitrile
Concen: 21.107 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. -0.00 min
Lab File: VN052994.D
Acq: 19 Dec 2018 6:52

Instrument :
MSVOA_N
ClientSampled :
VN1218MBSD02

Tot Ion: 41 Resp: 110571
Ion Ratio Lower Upper
41 100
39 54.4 48.0 72.0
67 82.8 70.3 105.5
52 31.0 26.9 40.3

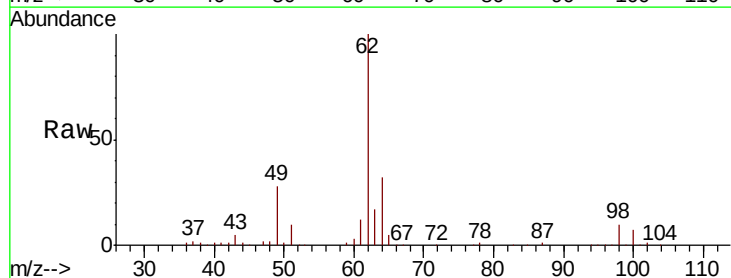


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

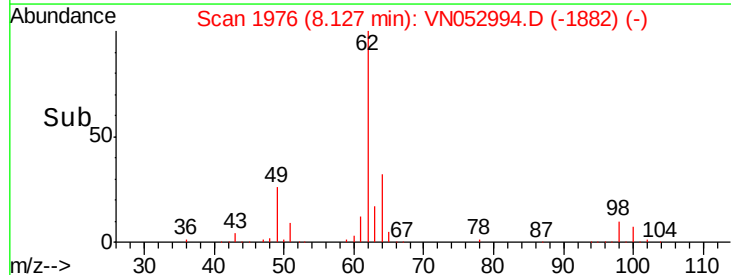
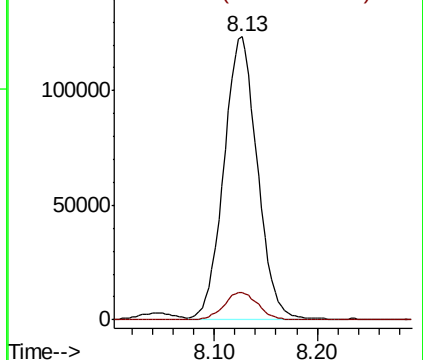


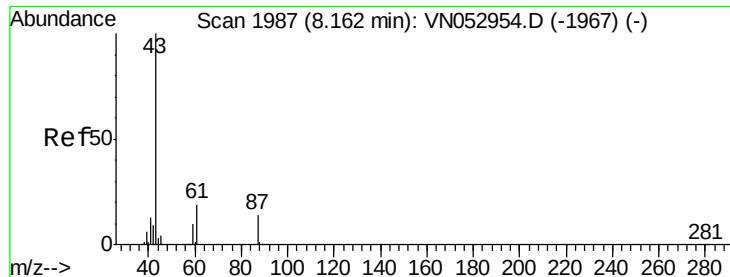
#42
1,2-Dichloroethane
Concen: 19.506 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN052994.D
Acq: 19 Dec 2018 6:52

Tgt Ion: 62 Resp: 278381
Ion Ratio Lower Upper
62 100
98 10.0 0.0 19.0



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





#43

Isopropyl Acetate

Concen: 20.521 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN052994.D

Acq: 19 Dec 2018 6:52

Instrument :

MSVOA_N

ClientSampleId :

VN1218MBSD02

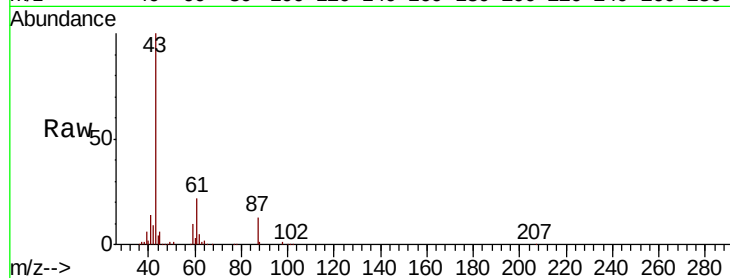
Tot Ion: 43 Resp: 370866

Ion Ratio Lower Upper

43 100

61 27.6 22.9 34.3

87 12.8 10.6 15.8

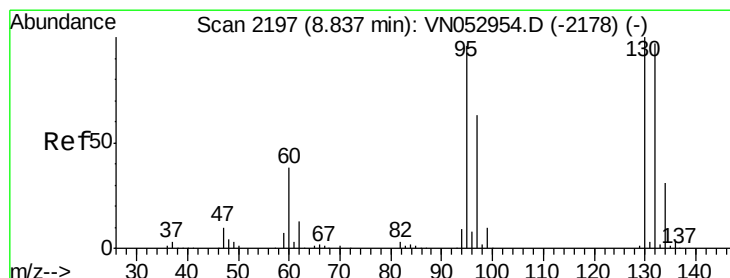
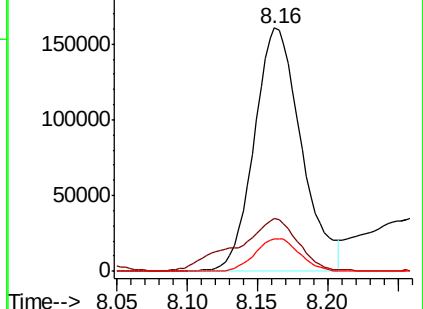
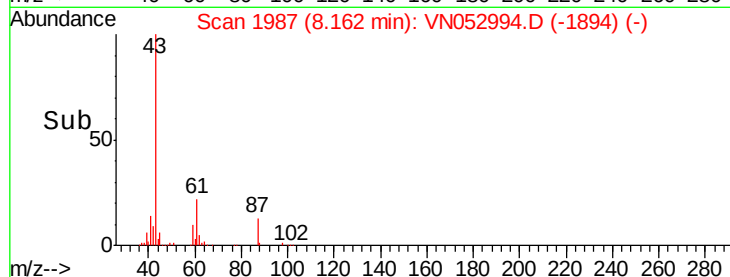


Abundance Ion 43.00 (42.70 to 43.70): VN052994.D (-1967) (-)

Ion 61.00 (60.70 to 61.70): VN052994.D (-1967) (-)

Ion 87.00 (86.70 to 87.70): VN052994.D (-1967) (-)

Time--> 8.05 8.10 8.15 8.20



#44

Trichloroethene

Concen: 18.917 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. -0.00 min

Lab File: VN052994.D

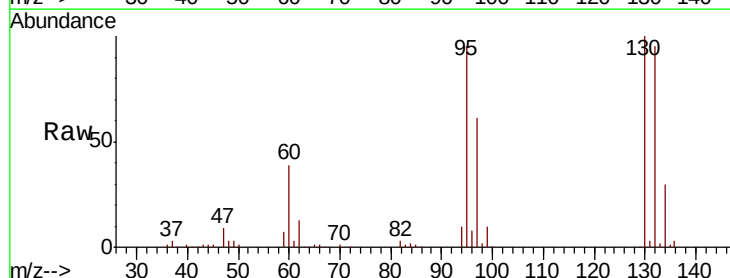
Acq: 19 Dec 2018 6:52

Tgt Ion: 130 Resp: 264332

Ion Ratio Lower Upper

130 100

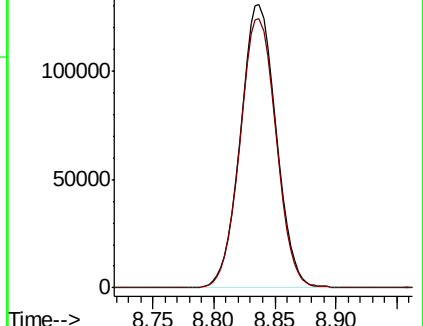
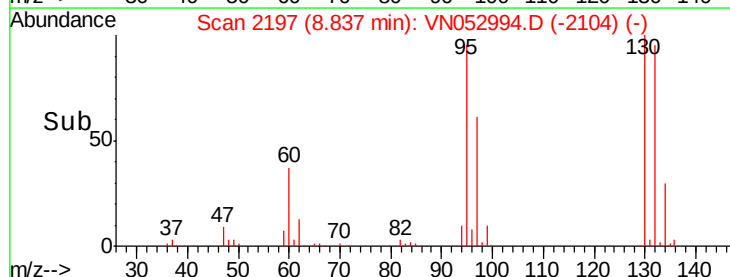
95 95.1 0.0 197.8

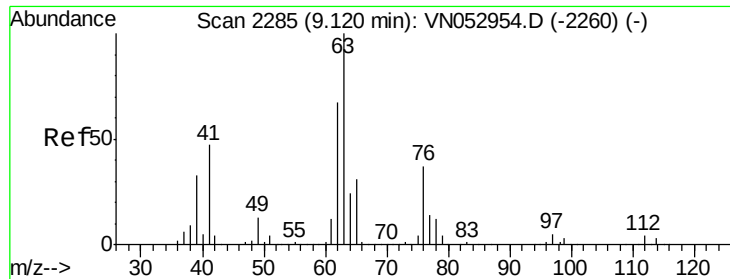


Abundance Ion 129.80 (129.50 to 130.50): VN052994.D (-2178) (-)

Ion 94.90 (94.60 to 95.60): VN052994.D (-2178) (-)

Time--> 8.75 8.80 8.85 8.90





#45

1,2-Dichloropropane

Concen: 19.559 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. -0.00 min

Lab File: VN052994.D

Acq: 19 Dec 2018 6:52

Instrument :

MSVOA_N

ClientSampled :

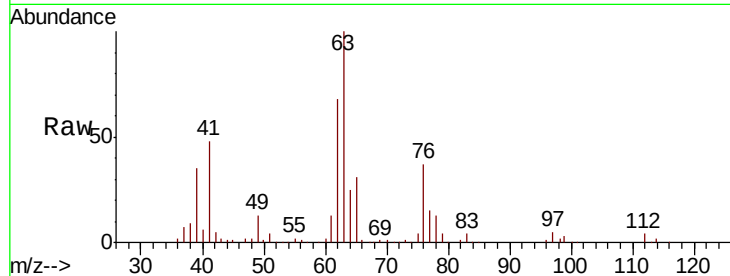
VN1218MBSD02

Tot Ion: 63 Resp: 246114

Ion Ratio Lower Upper

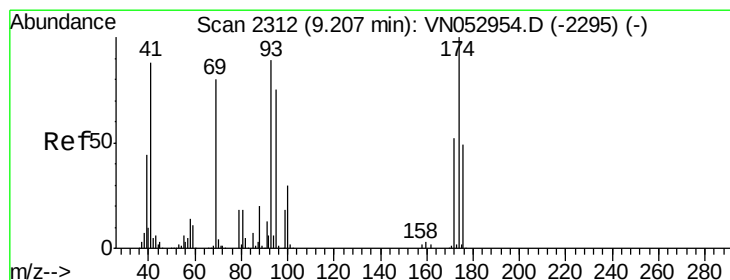
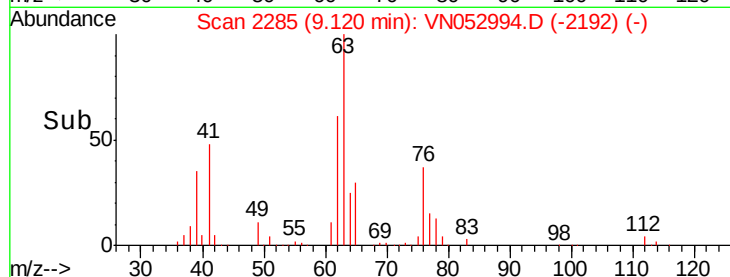
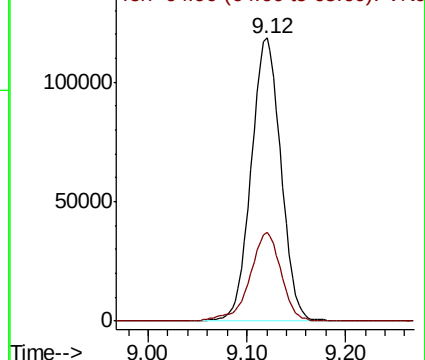
63 100

65 31.2 24.6 37.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 19.449 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN052994.D

Acq: 19 Dec 2018 6:52

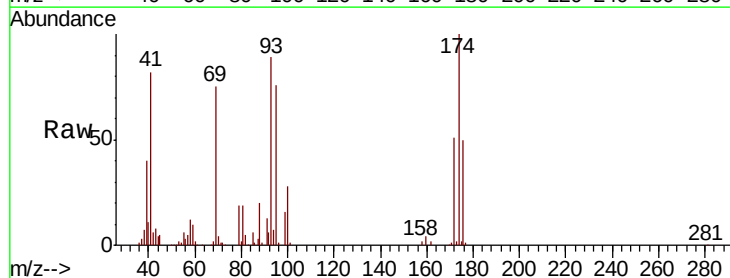
Tgt Ion: 93 Resp: 142564

Ion Ratio Lower Upper

93 100

95 84.8 67.8 101.6

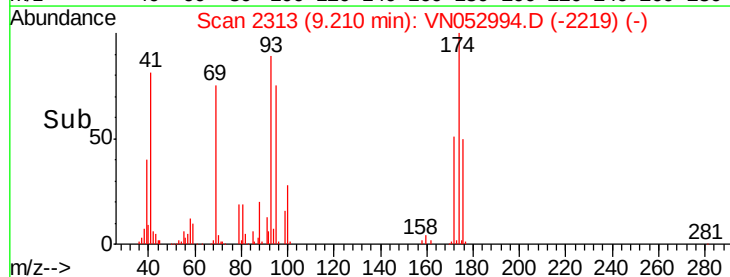
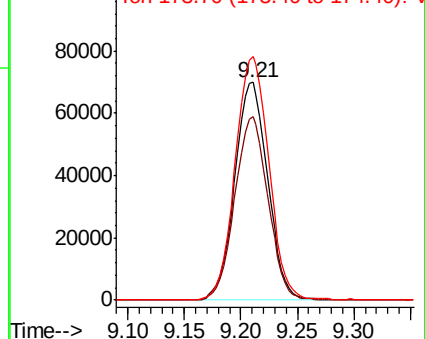
174 113.9 89.0 133.4

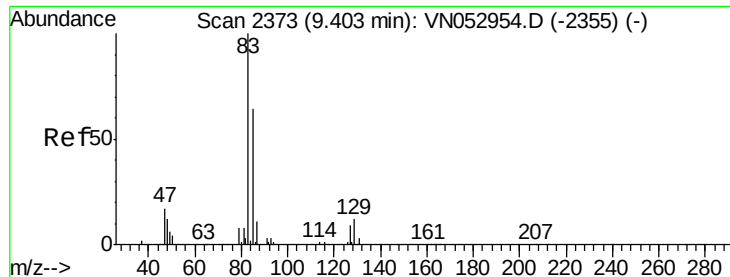


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 19.184 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN052994.D

Acq: 19 Dec 2018 6:52

Instrument :

MSVOA_N

ClientSampleId :

VN1218MBSD02

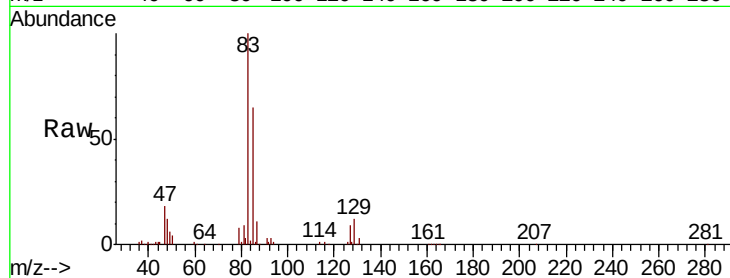
Tot Ion: 83 Resp: 298924

Ion Ratio Lower Upper

83 100

85 65.1 51.6 77.4

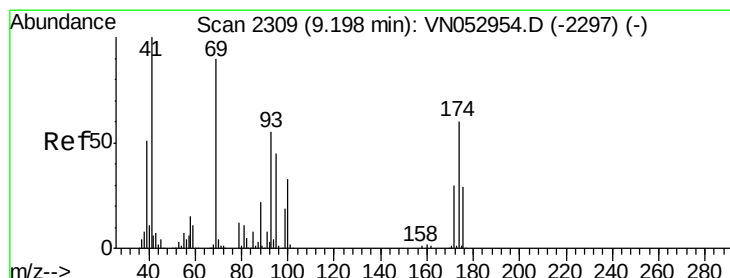
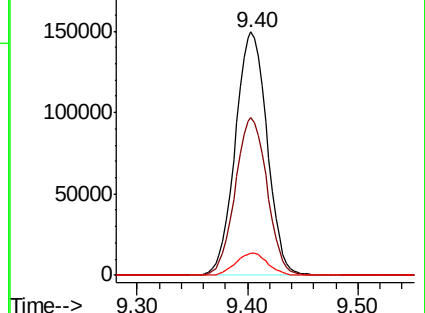
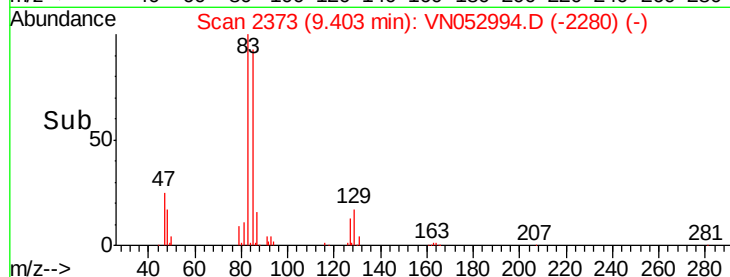
127 9.0 7.1 10.7



Abundance Ion 82.90 (82.60 to 83.60): VN052994.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN052994.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN052994.D (-2280) (-)



#48

Methyl methacrylate

Concen: 19.763 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN052994.D

Acq: 19 Dec 2018 6:52

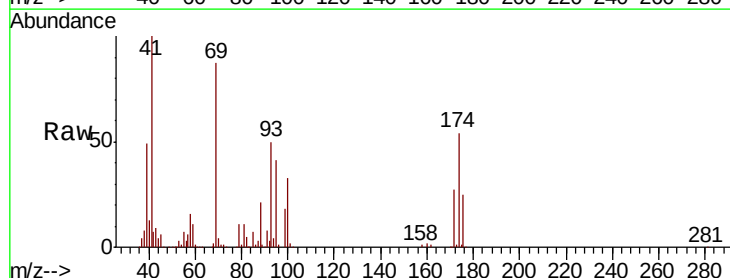
Tgt Ion: 41 Resp: 173876

Ion Ratio Lower Upper

41 100

69 93.4 72.2 108.2

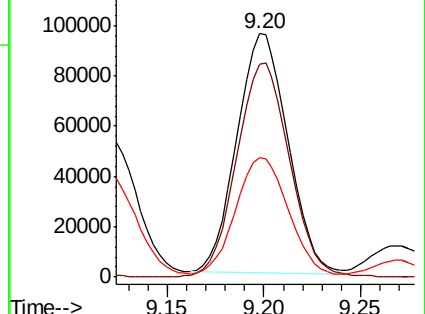
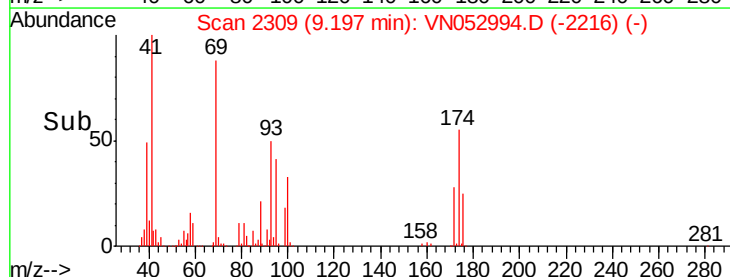
39 52.4 41.9 62.9

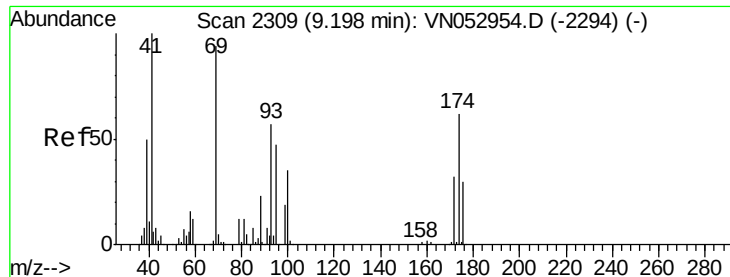


Abundance Ion 41.00 (40.70 to 41.70): VN052994.D (-2216) (-)

Ion 69.00 (68.70 to 69.70): VN052994.D (-2216) (-)

Ion 39.00 (38.70 to 39.70): VN052994.D (-2216) (-)

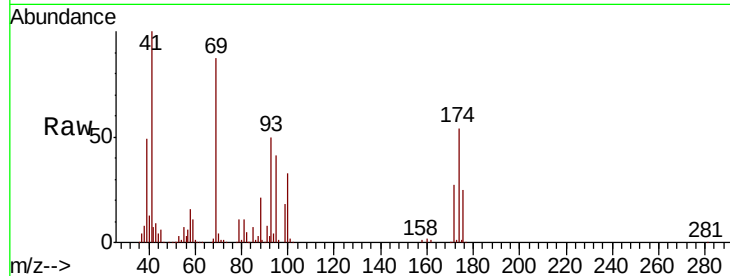




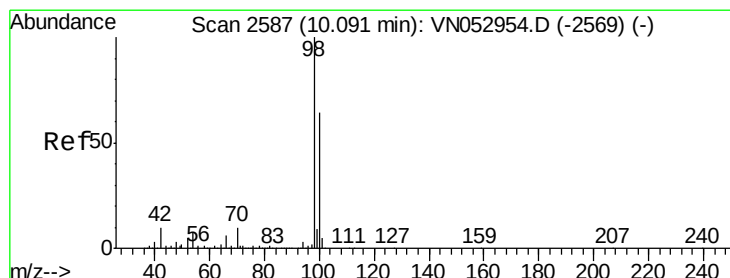
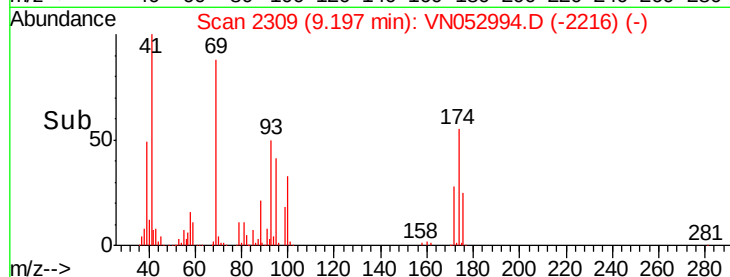
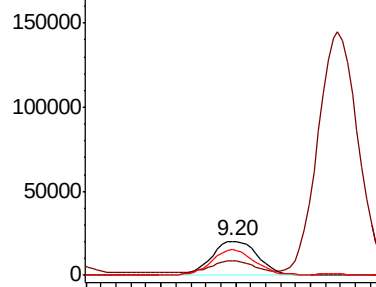
#49
1,4-Dioxane
Concen: 395.447 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN052994.D
Acq: 19 Dec 2018 6:52

Instrument :
MSVOA_N
ClientSampleId :
VN1218MBSD02

Tot Ion: 88 Resp: 44010
Ion Ratio Lower Upper
88 100
43 31.7 26.6 40.0
58 70.9 58.4 87.6

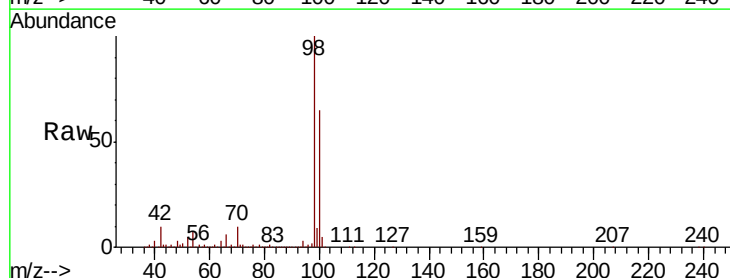


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

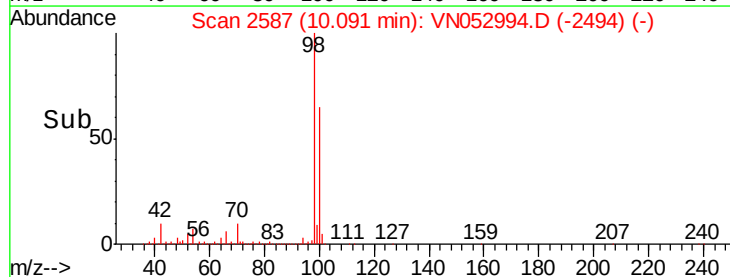
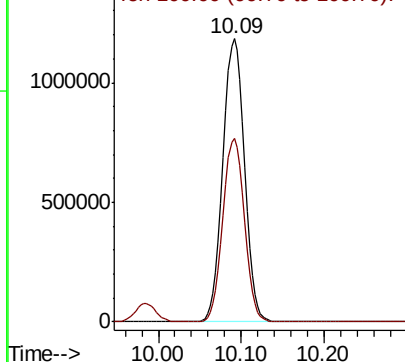


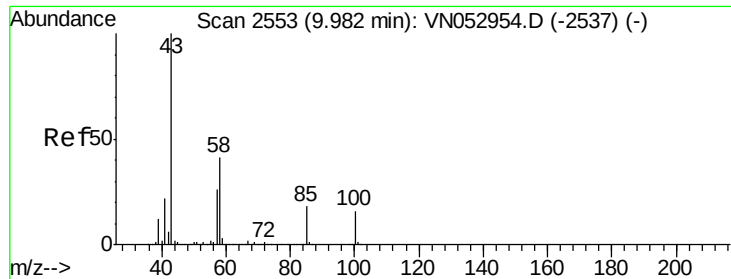
#50
Toluene-d8
Concen: 395.447 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN052994.D
Acq: 19 Dec 2018 6:52

Tgt Ion: 98 Resp: 2145141
Ion Ratio Lower Upper
98 100
100 64.6 51.6 77.4



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: 104.453 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN052994.D

Acq: 19 Dec 2018 6:52

Instrument :

MSVOA_N

ClientSampleId :

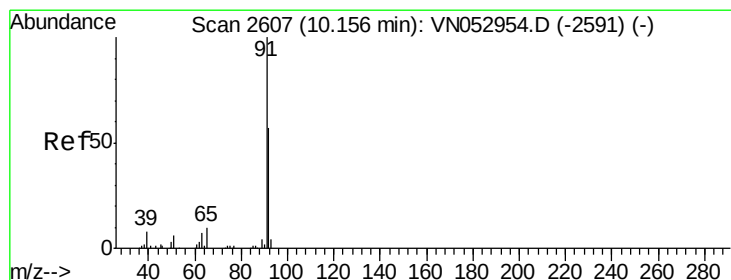
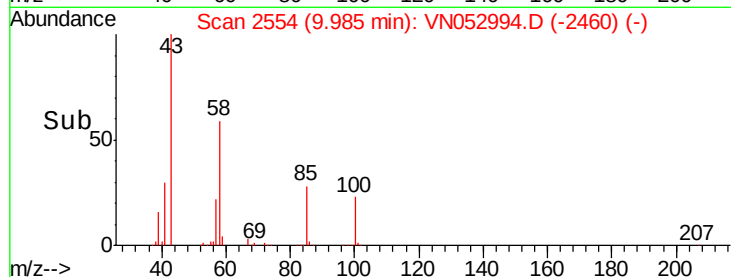
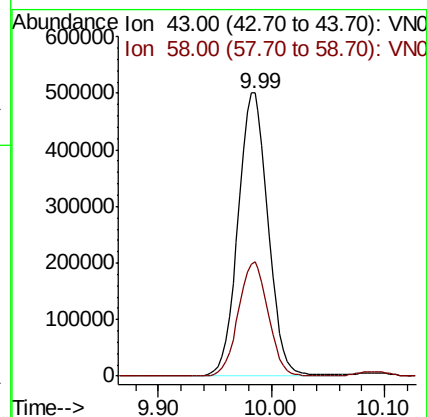
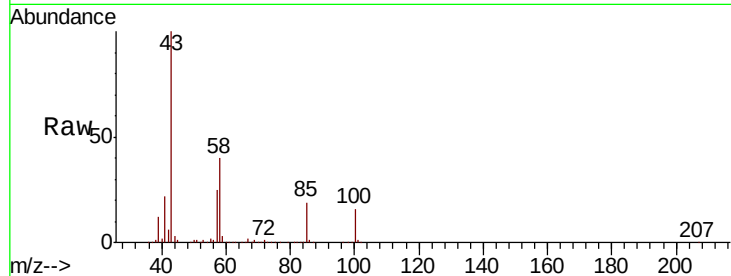
VN1218MBSD02

Tot Ion: 43 Resp: 917139

Ion Ratio Lower Upper

43 100

58 40.4 32.2 48.4



#52

Toluene

Concen: 19.519 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN052994.D

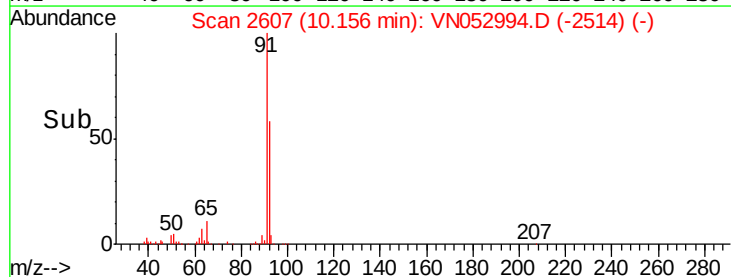
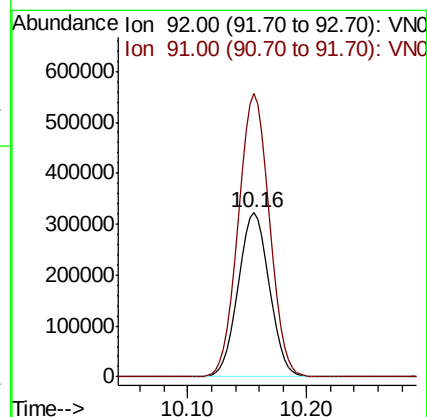
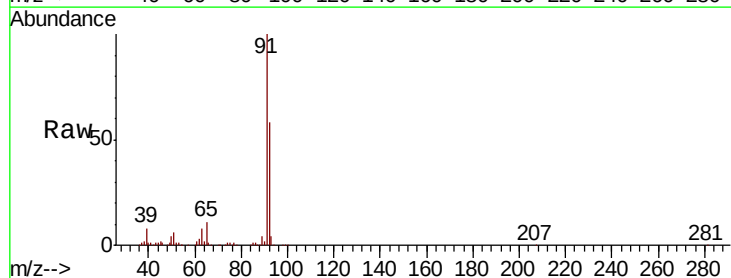
Acq: 19 Dec 2018 6:52

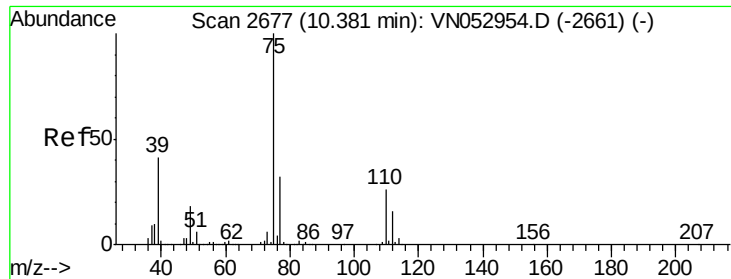
Tgt Ion: 92 Resp: 584469

Ion Ratio Lower Upper

92 100

91 172.7 139.8 209.6





#53

t-1,3-Dichloropropene

Concen: 17.583 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN052994.D

Acq: 19 Dec 2018 6:52

Instrument :

MSVOA_N

ClientSampleId :

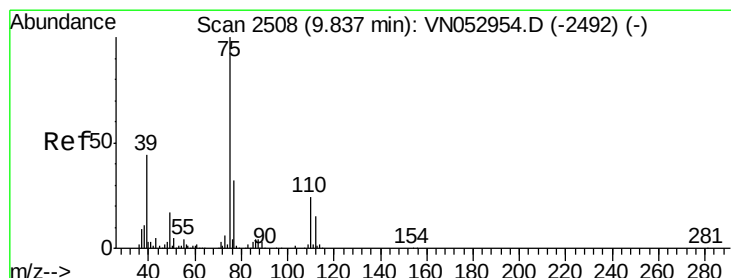
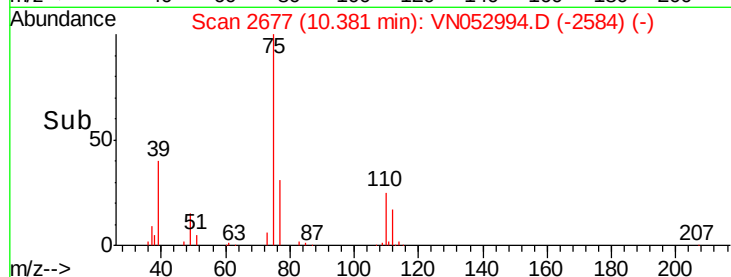
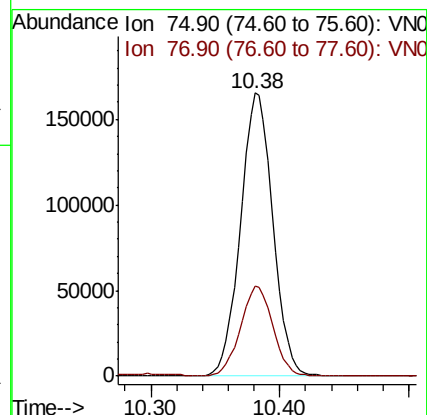
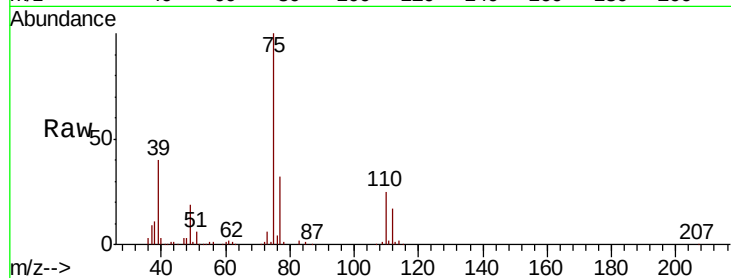
VN1218MBSD02

Tot Ion: 75 Resp: 288101

Ion Ratio Lower Upper

75 100

77 31.5 25.6 38.4



#54

cis-1,3-Dichloropropene

Concen: 18.260 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN052994.D

Acq: 19 Dec 2018 6:52

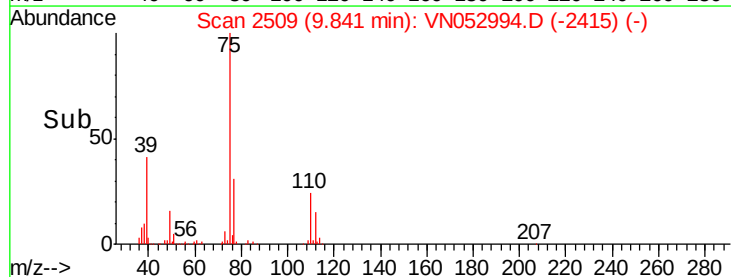
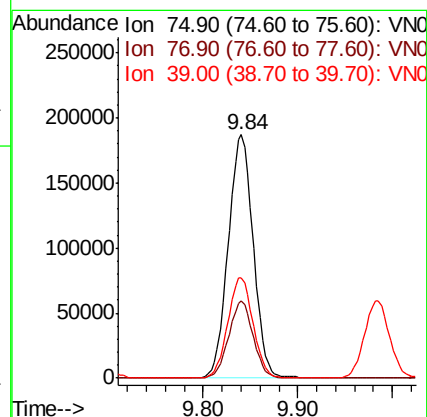
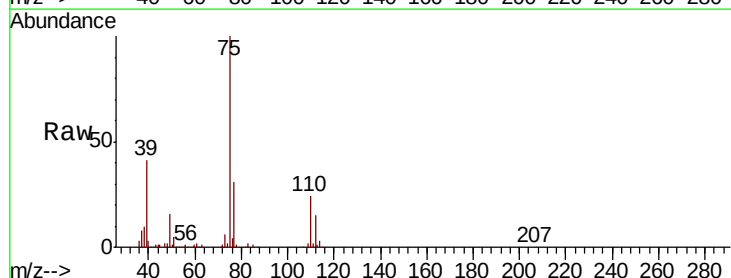
Tgt Ion: 75 Resp: 343410

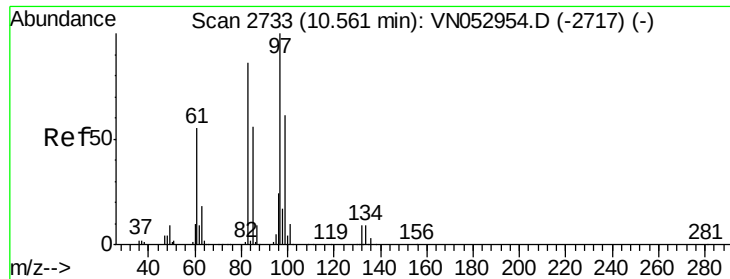
Ion Ratio Lower Upper

75 100

77 31.5 25.8 38.8

39 41.4 34.8 52.2

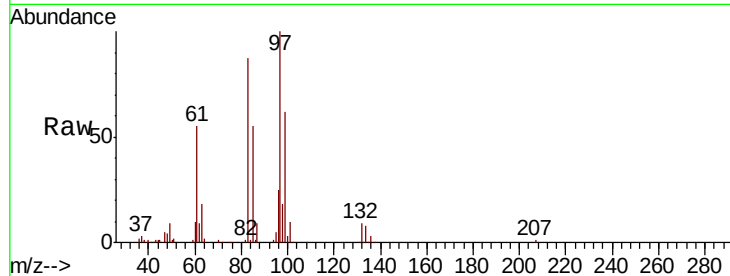




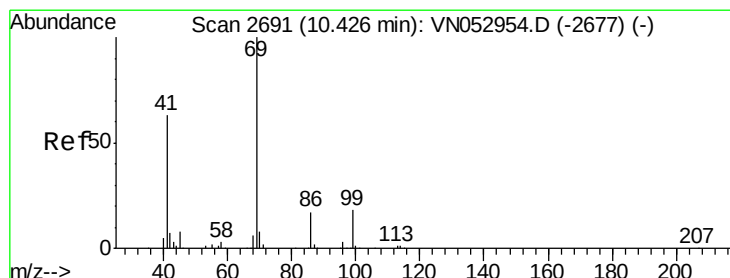
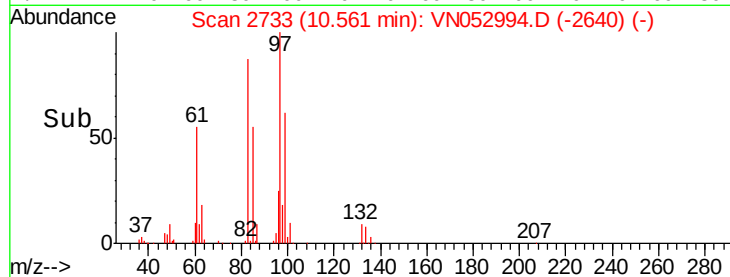
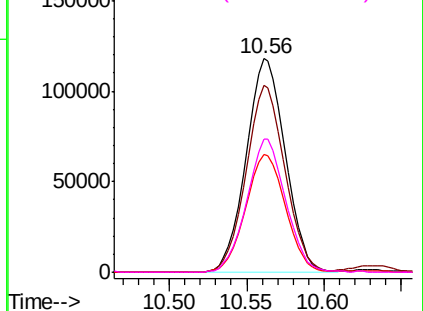
#55
 1,1,2-Trichloroethane
 Concen: 19.905 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN052994.D
 Acq: 19 Dec 2018 6:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1218MBSD02

Tot Ion:	97	Resp:	207933
Ion	Ratio	Lower	Upper
97	100		
83	87.4	70.9	106.3
85	55.2	45.4	68.2
99	62.1	50.4	75.6

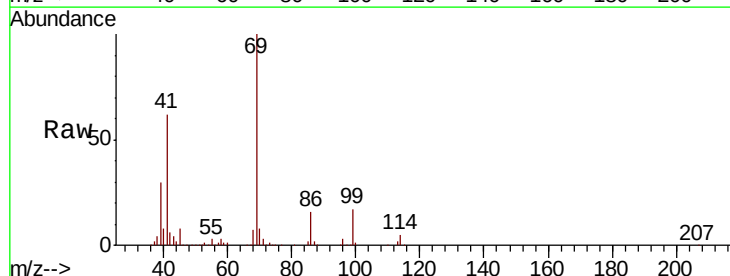


Abundance Ion 96.90 (96.60 to 97.60): VNO
 Ion 82.90 (82.60 to 83.60): VNO
 Ion 84.90 (84.60 to 85.60): VNO
 Ion 98.90 (98.60 to 99.60): VNO

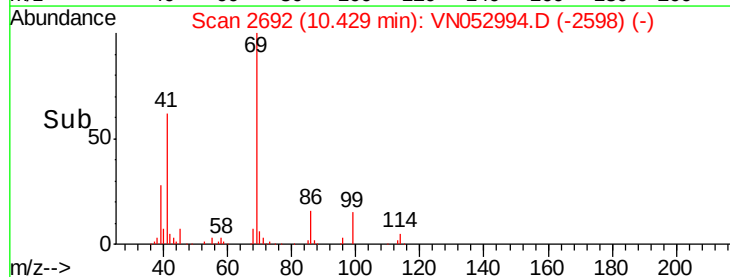
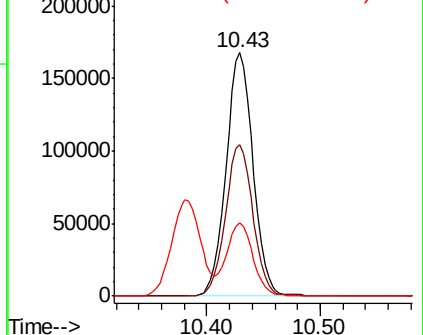


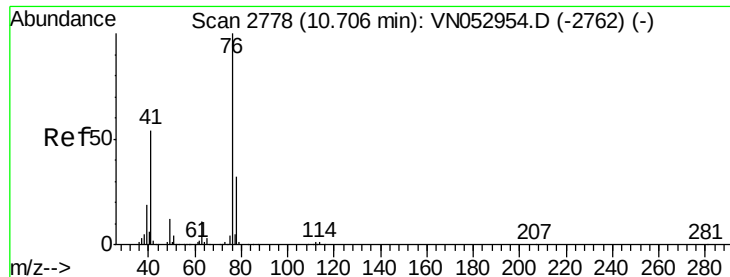
#56
 Ethyl methacrylate
 Concen: 20.133 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN052994.D
 Acq: 19 Dec 2018 6:52

Tgt Ion:	69	Resp:	278374
Ion	Ratio	Lower	Upper
69	100		
41	62.7	51.7	77.5
39	29.5	24.6	37.0



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





#57

1,3-Dichloropropane

Concen: 19.776 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN052994.D

Acq: 19 Dec 2018 6:52

Instrument :

MSVOA_N

ClientSampleId :

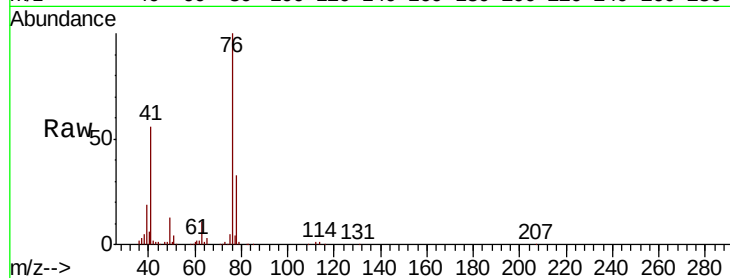
VN1218MBSD02

Tot Ion: 76 Resp: 354263

Ion Ratio Lower Upper

76 100

78 32.6 25.8 38.8



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

200000

150000

100000

50000

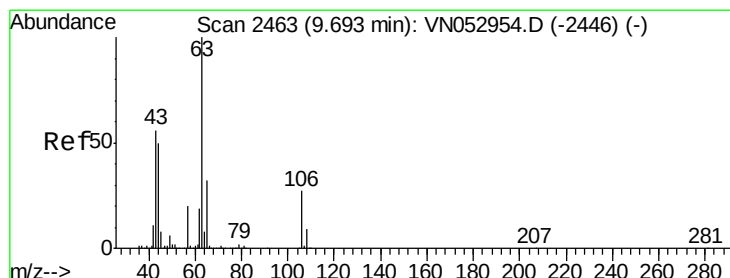
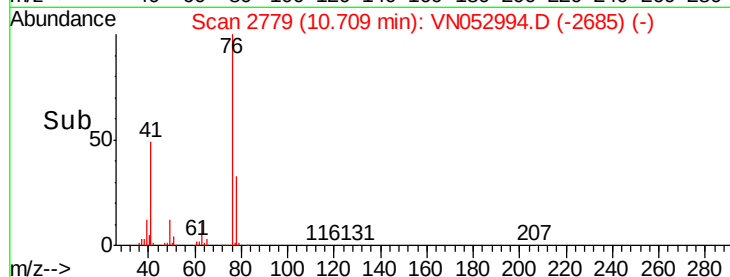
0

10.60

10.70

10.80

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 104.537 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN052994.D

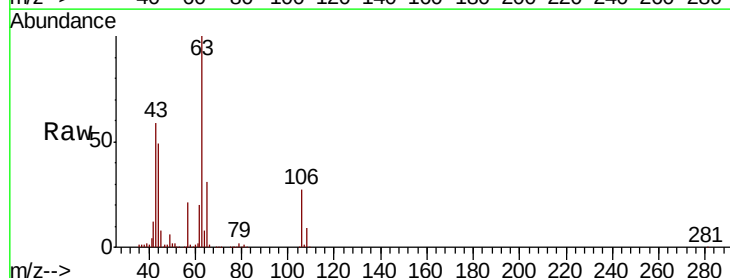
Acq: 19 Dec 2018 6:52

Tgt Ion: 63 Resp: 793528

Ion Ratio Lower Upper

63 100

106 26.9 21.0 31.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

500000

400000

300000

200000

100000

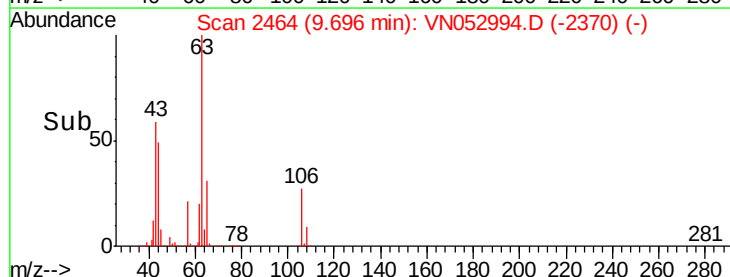
0

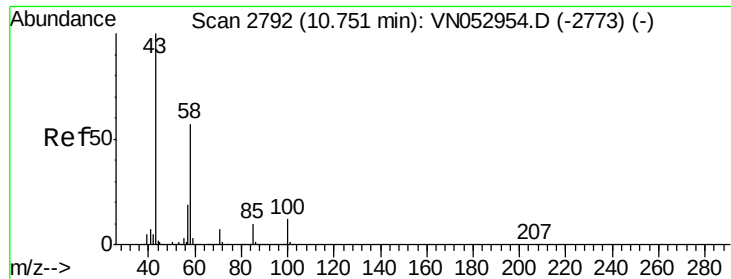
9.60

9.70

9.80

Time-->

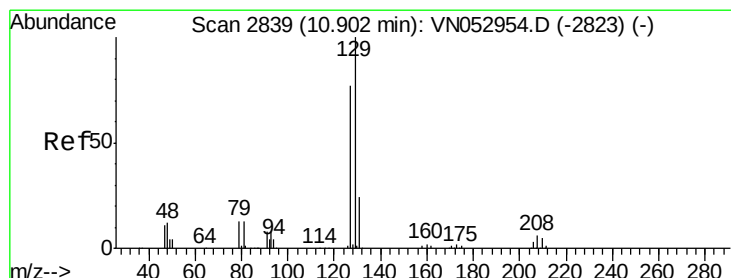
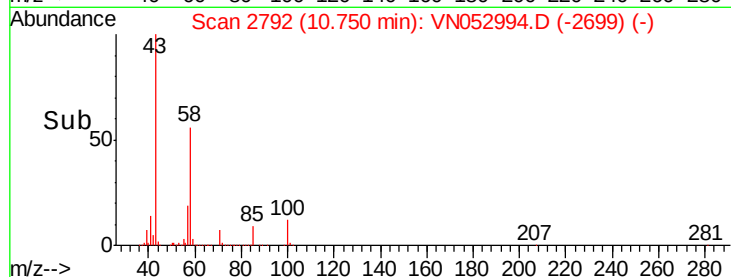
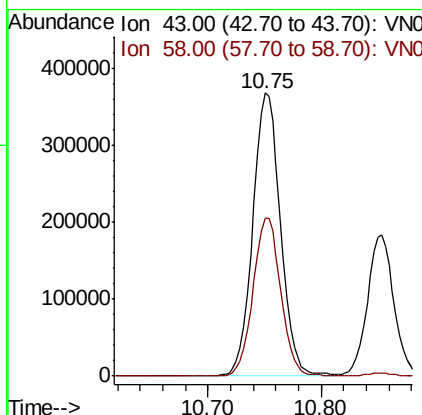
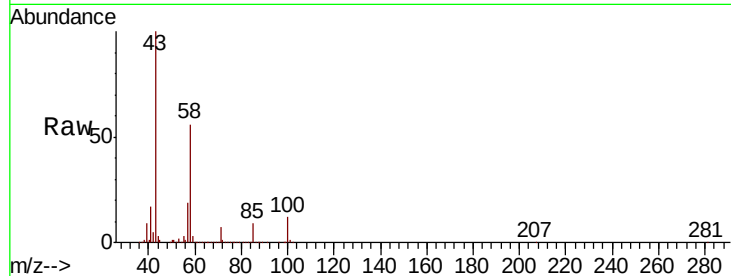




#59
2-Hexanone
Concen: 104.761 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN052994.D
Acq: 19 Dec 2018 6:52

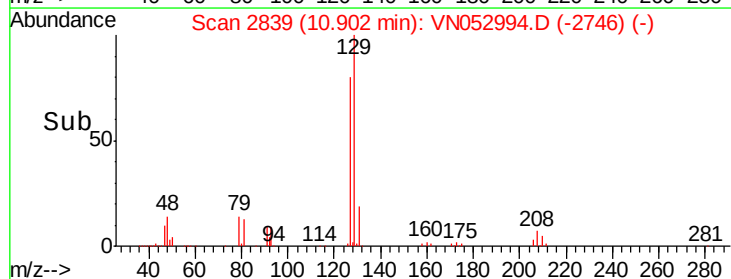
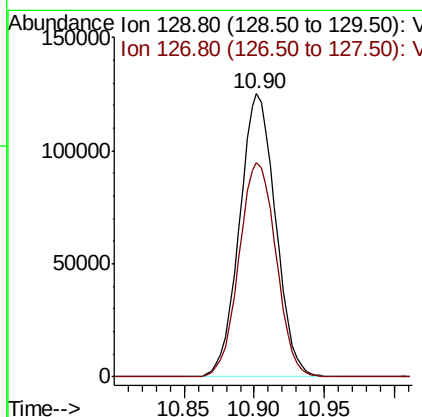
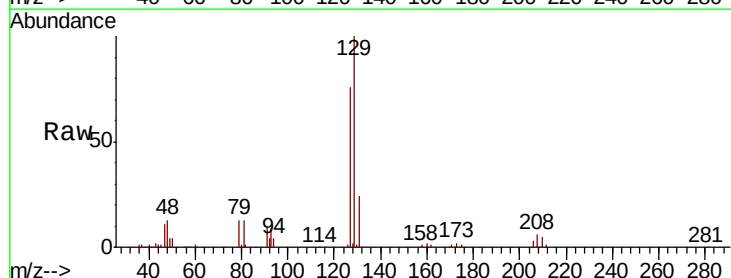
Instrument :
MSVOA_N
ClientSampleId :
VN1218MBSD02

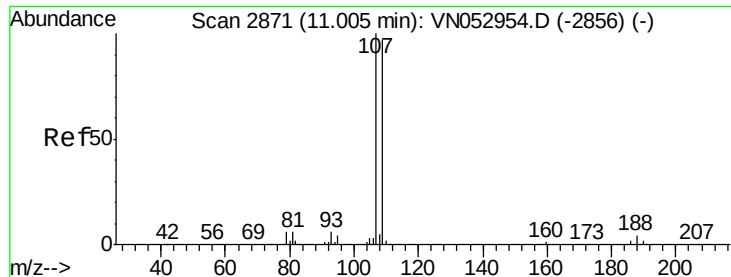
Tot Ion: 43 Resp: 622349
Ion Ratio Lower Upper
43 100
58 56.2 28.1 84.3



#60
Dibromochloromethane
Concen: 18.779 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN052994.D
Acq: 19 Dec 2018 6:52

Tgt Ion: 129 Resp: 224557
Ion Ratio Lower Upper
129 100
127 77.7 38.6 116.0





#61

1,2-Dibromoethane

Concen: 19.490 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN052994.D

Acq: 19 Dec 2018 6:52

Instrument :

MSVOA_N

ClientSampleId :

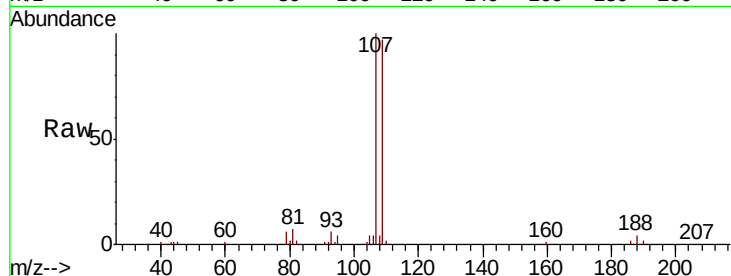
VN1218MBSD02

Tot Ion:107 Resp: 206778

Ion Ratio Lower Upper

107 100

109 94.6 75.4 113.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.01

120000

100000

80000

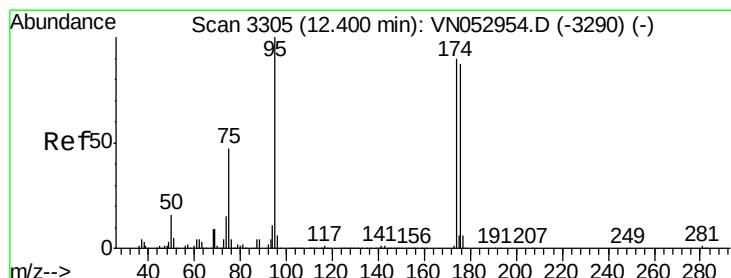
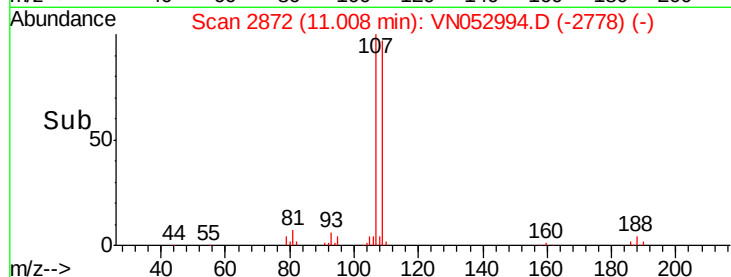
60000

40000

20000

0

Time--> 10.90 11.00 11.10



#62

4-Bromofluorobenzene

Concen: 19.490 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN052994.D

Acq: 19 Dec 2018 6:52

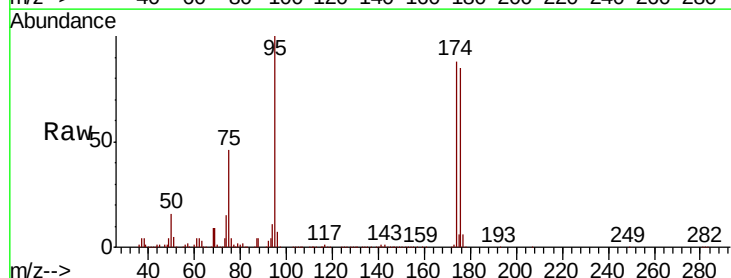
Tgt Ion: 95 Resp: 735806

Ion Ratio Lower Upper

95 100

174 89.5 0.0 178.8

176 87.2 0.0 173.8



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

600000

500000

400000

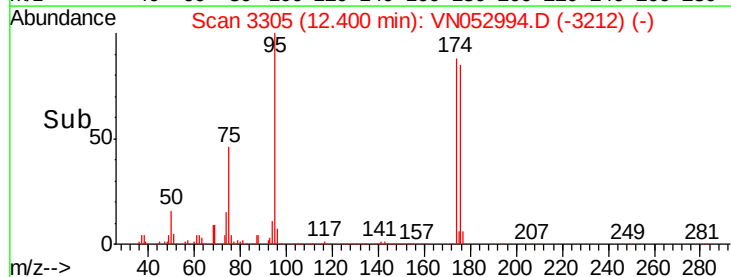
300000

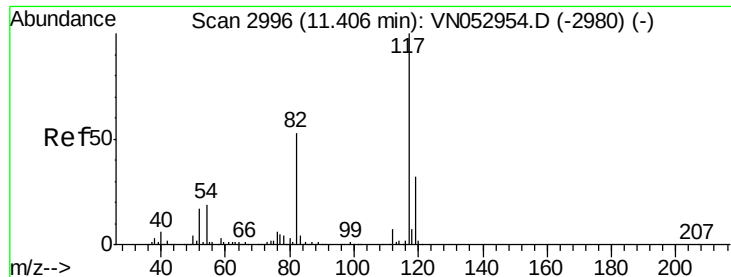
200000

100000

0

Time--> 12.35 12.40 12.45

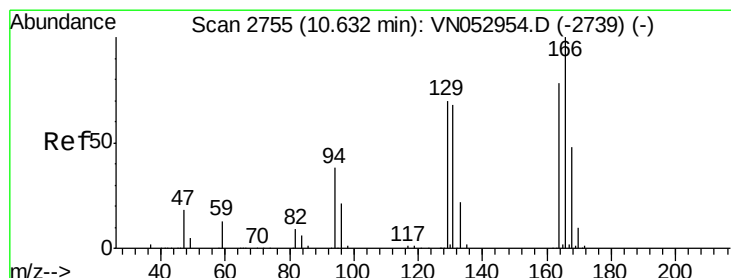
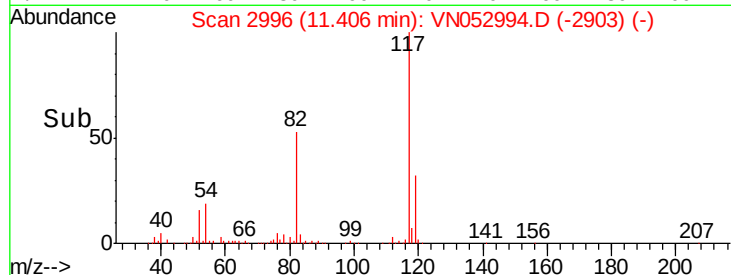
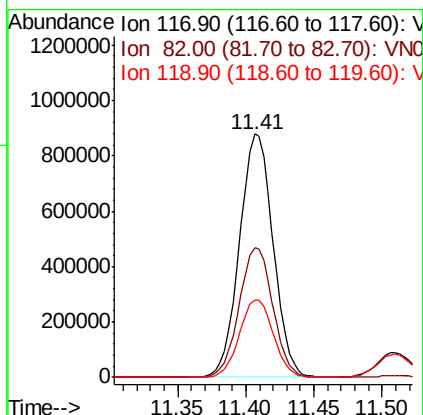
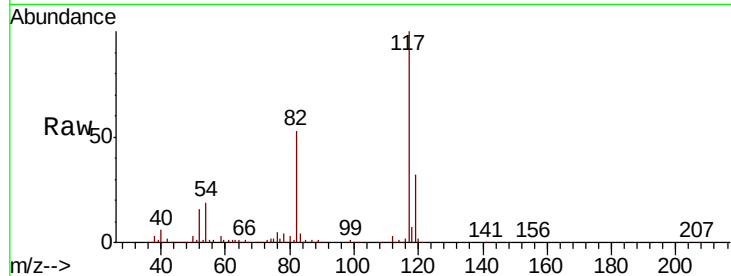




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052994.D
Acq: 19 Dec 2018 6:52

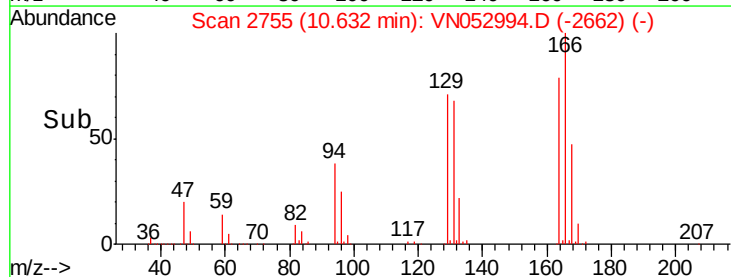
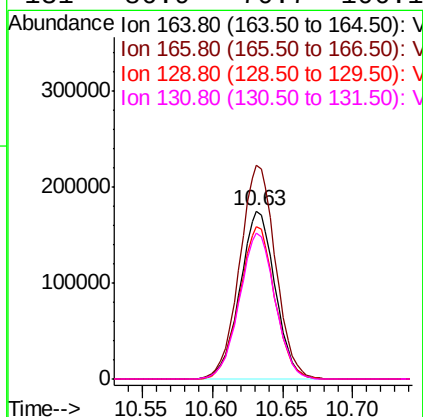
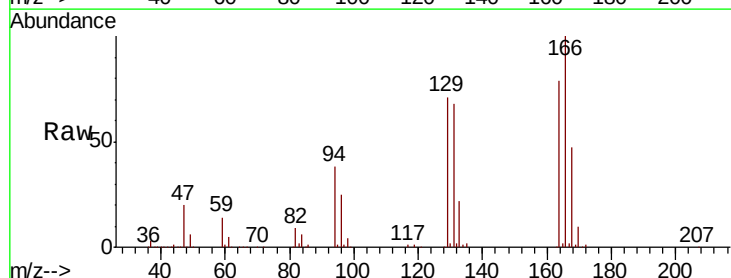
Instrument :
MSVOA_N
ClientSampleId :
VN1218MBSD02

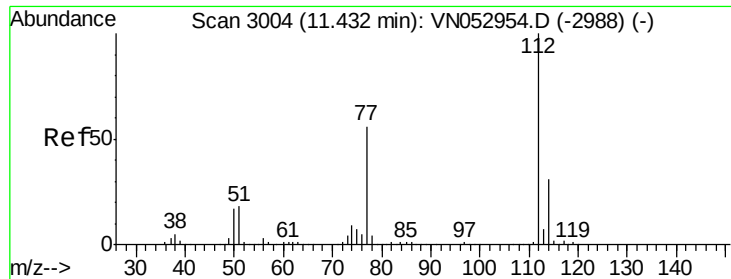
Tot Ion:117 Resp: 1505912
Ion Ratio Lower Upper
117 100
82 53.5 42.8 64.2
119 31.9 25.5 38.3



#64
Tetrachloroethene
Concen: 18.666 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN052994.D
Acq: 19 Dec 2018 6:52

Tgt Ion:164 Resp: 304495
Ion Ratio Lower Upper
164 100
166 127.3 102.9 154.3
129 90.9 73.7 110.5
131 86.9 70.7 106.1

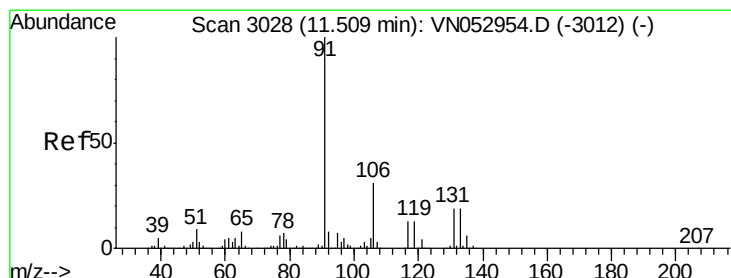
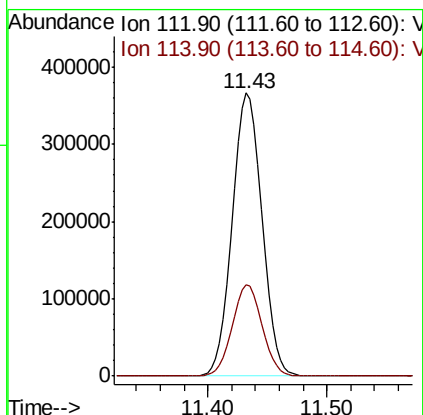
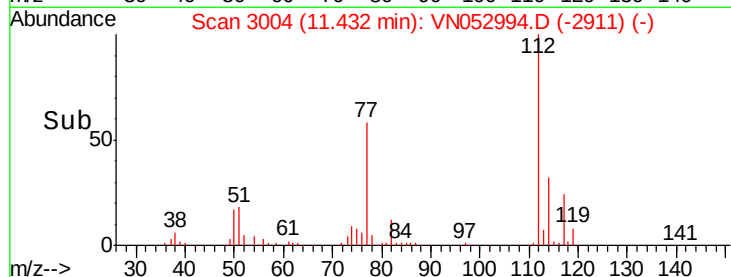
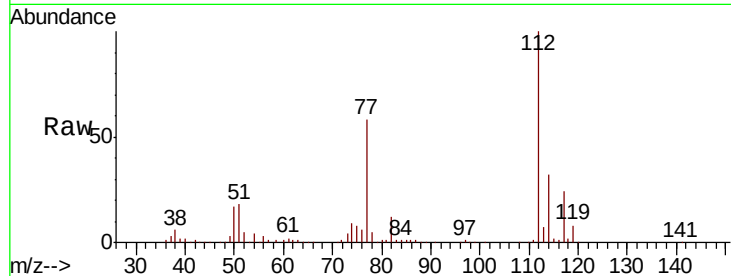




#65
Chlorobenzene
Concen: 19.064 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN052994.D
Acq: 19 Dec 2018 6:52

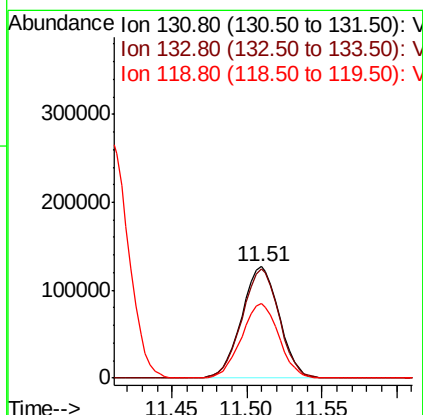
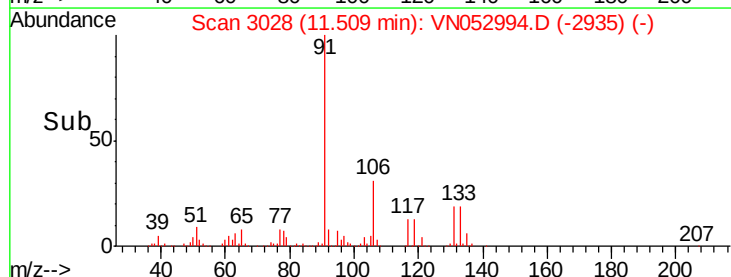
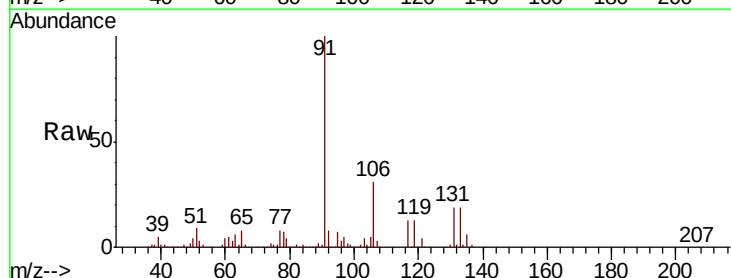
Instrument :
MSVOA_N
ClientSampleId :
VN1218MBSD02

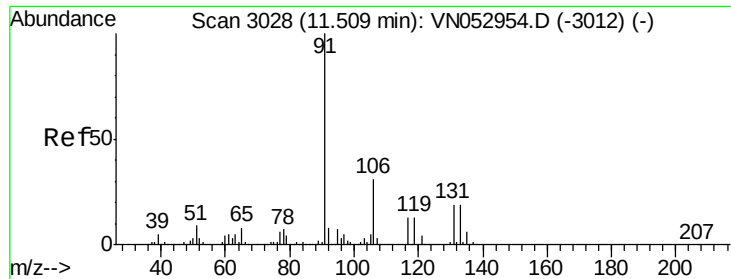
Tot Ion:112 Resp: 636402
Ion Ratio Lower Upper
112 100
114 32.3 25.5 38.3



#66
1,1,1,2-Tetrachloroethane
Concen: 19.104 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN052994.D
Acq: 19 Dec 2018 6:52

Tgt Ion:131 Resp: 221762
Ion Ratio Lower Upper
131 100
133 97.0 47.6 142.9
119 66.5 33.3 99.8





#67

Ethyl Benzene

Concen: 19.118 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN052994.D

Acq: 19 Dec 2018 6:52

Instrument :

MSVOA_N

ClientSampleId :

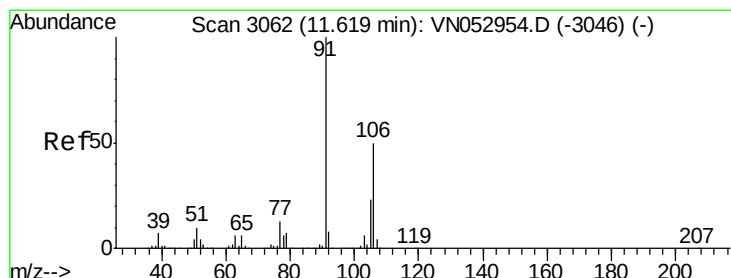
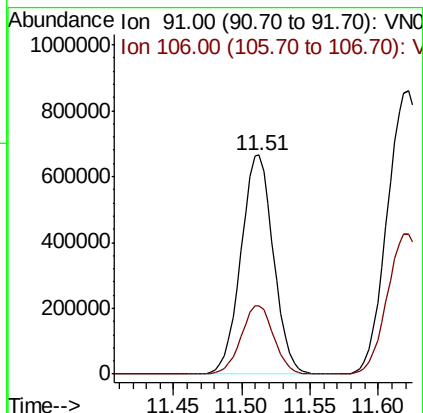
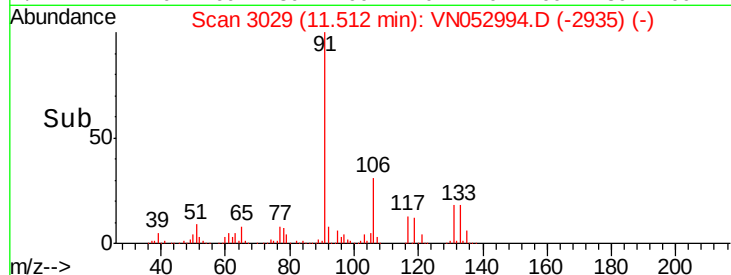
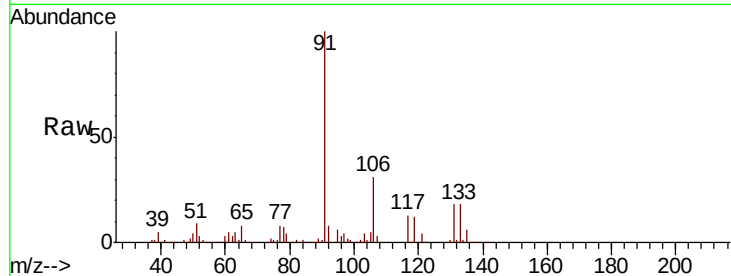
VN1218MBSD02

Tot Ion: 91 Resp: 1097517

Ion Ratio Lower Upper

91 100

106 31.4 24.9 37.3



#68

m/p-Xylenes

Concen: 37.888 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN052994.D

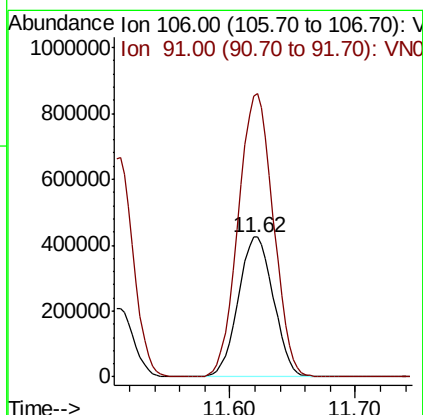
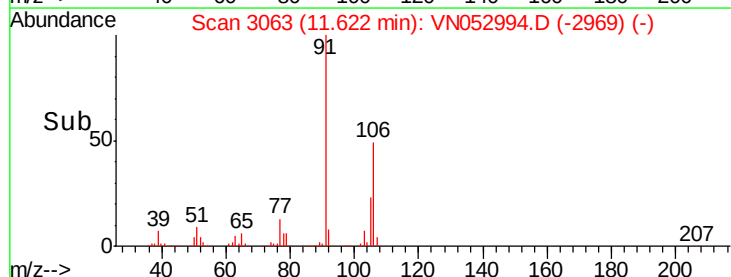
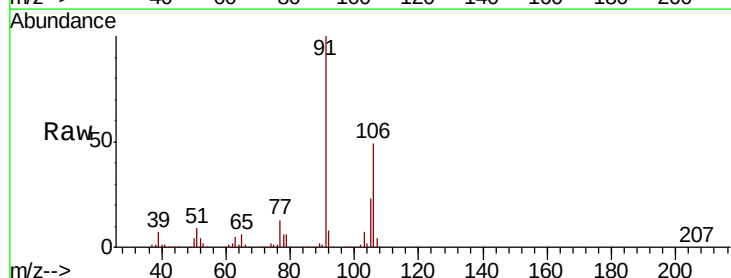
Acq: 19 Dec 2018 6:52

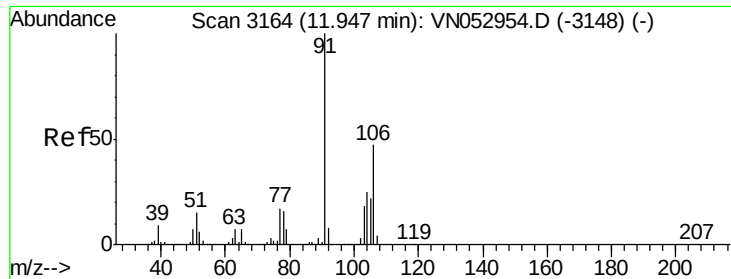
Tgt Ion: 106 Resp: 826860

Ion Ratio Lower Upper

106 100

91 202.2 162.2 243.4

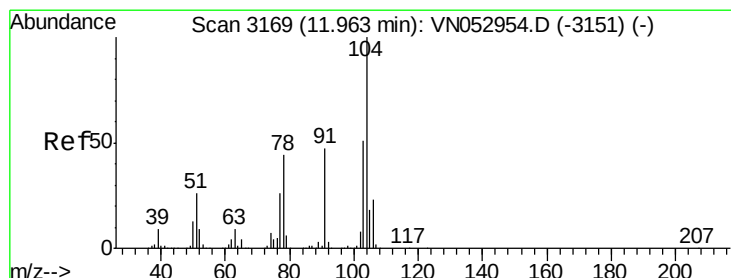
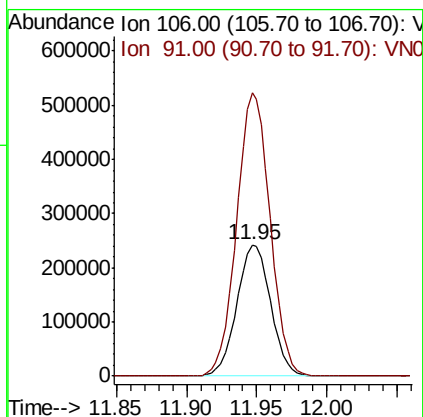
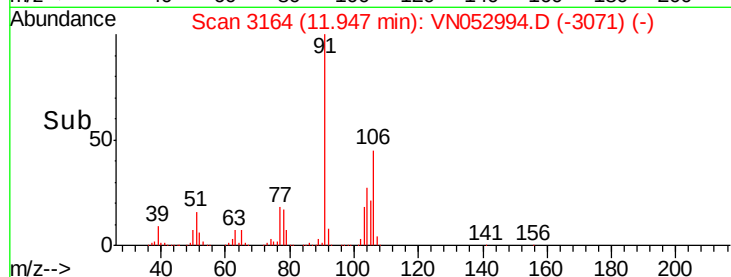
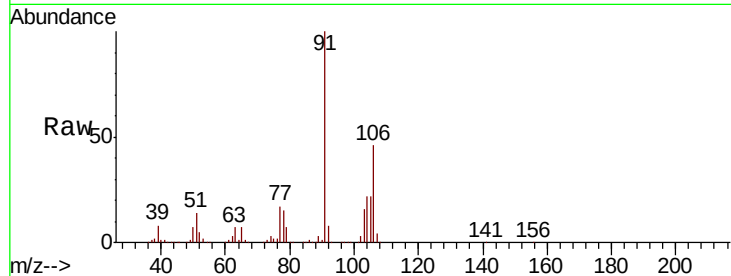




#69
o-Xylene
Concen: 19.407 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN052994.D
Acq: 19 Dec 2018 6:52

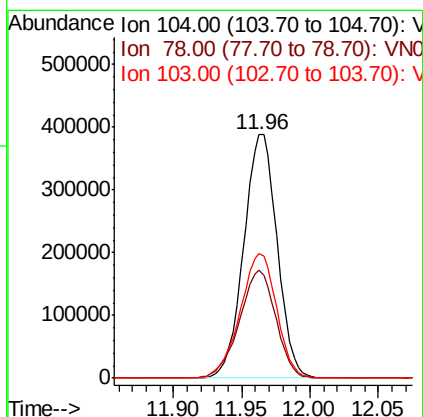
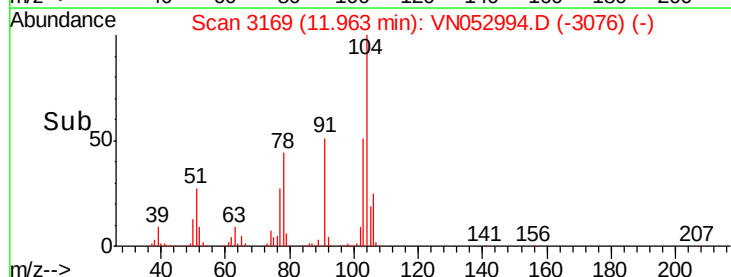
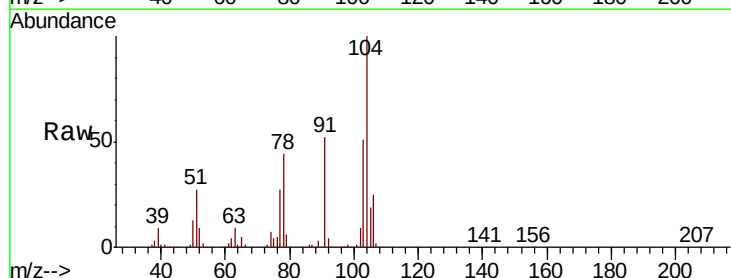
Instrument :
MSVOA_N
ClientSampleId :
VN1218MBSD02

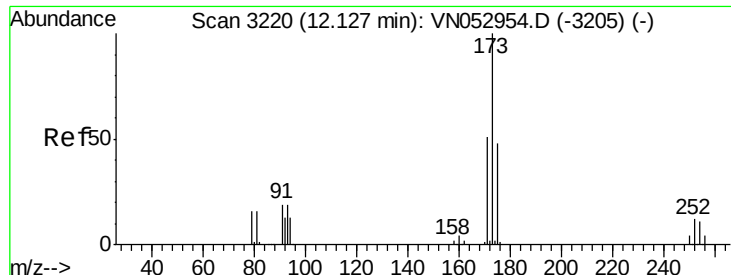
Tot Ion:106 Resp: 406427
Ion Ratio Lower Upper
106 100
91 213.3 106.6 319.8



#70
Styrene
Concen: 19.330 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN052994.D
Acq: 19 Dec 2018 6:52

Tgt Ion:104 Resp: 660089
Ion Ratio Lower Upper
104 100
78 48.2 38.9 58.3
103 55.8 44.3 66.5





#71

Bromoform

Concen: 18.721 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN052994.D

Acq: 19 Dec 2018 6:52

Instrument :

MSVOA_N

ClientSampleId :

VN1218MBSD02

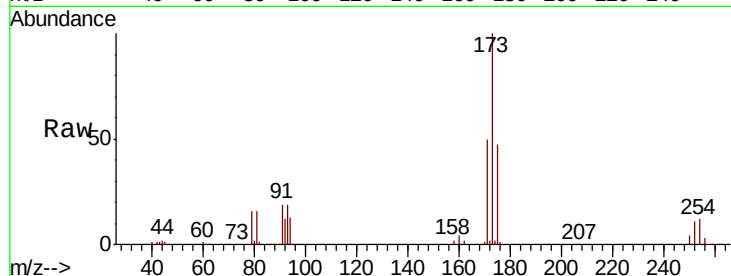
Tot Ion:173 Resp: 156999

Ion Ratio Lower Upper

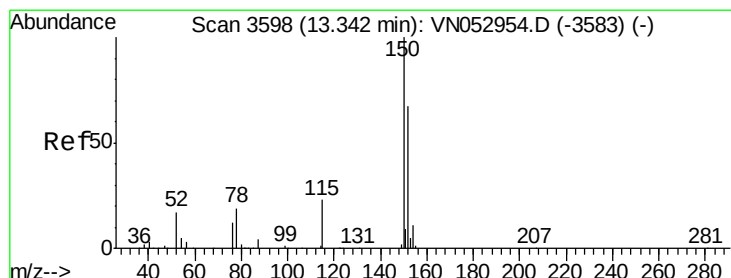
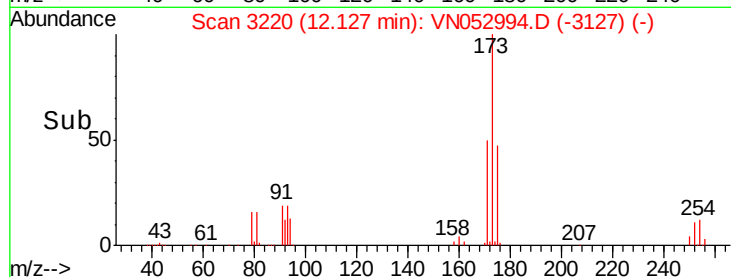
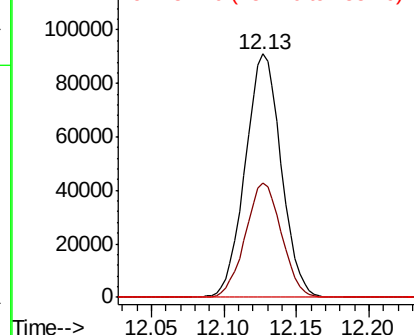
173 100

175 47.3 24.3 72.9

254 0.1 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN052994.D

Acq: 19 Dec 2018 6:52

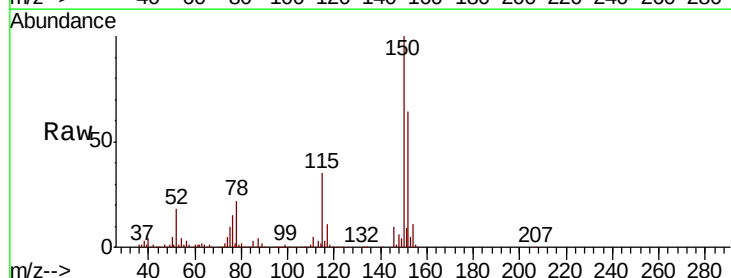
Tgt Ion:152 Resp: 683265

Ion Ratio Lower Upper

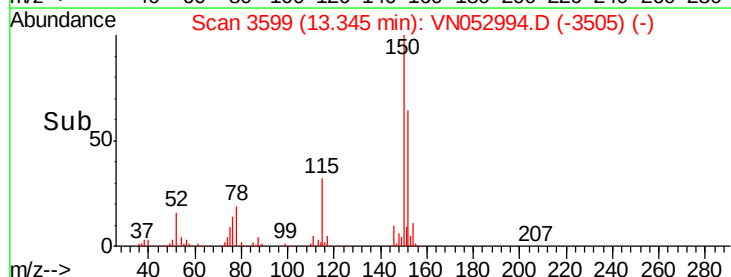
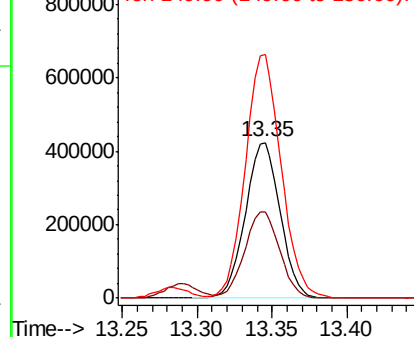
152 100

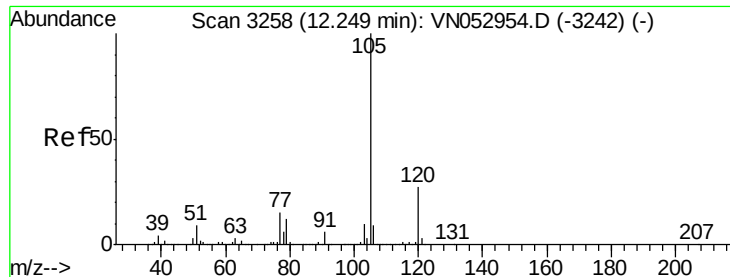
115 55.7 28.3 85.0

150 162.3 0.0 347.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.034 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN052994.D

Acq: 19 Dec 2018 6:52

Instrument :

MSVOA_N

ClientSampleId :

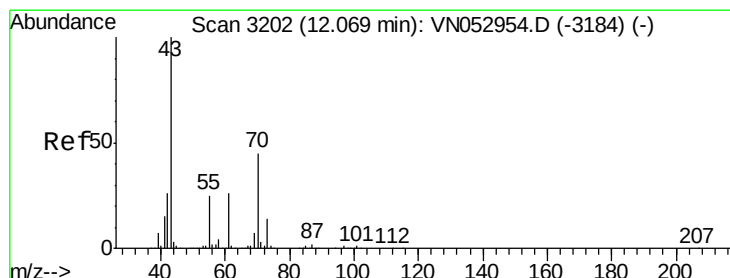
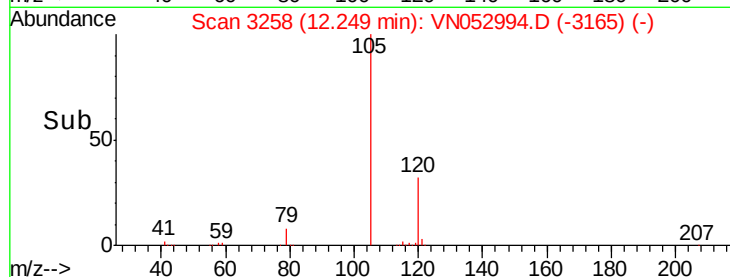
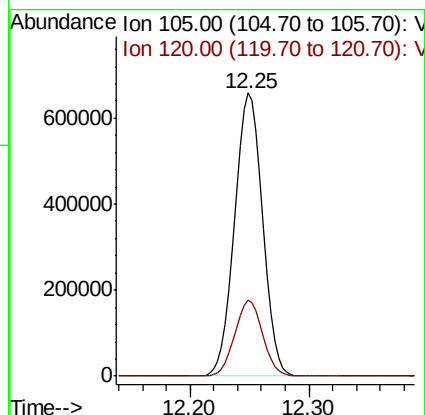
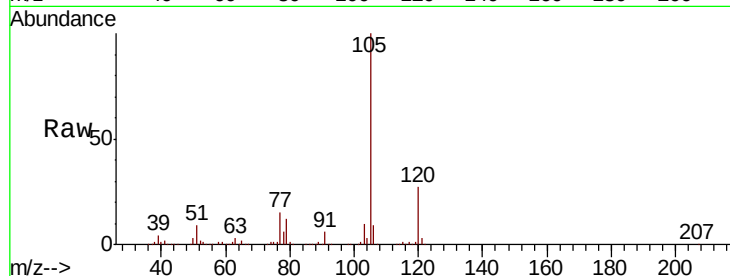
VN1218MBSD02

Tot Ion:105 Resp: 1070995

Ion Ratio Lower Upper

105 100

120 26.7 13.3 39.9



#74

N-ethyl acetate

Concen: 21.022 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN052994.D

Acq: 19 Dec 2018 6:52

Tgt Ion: 43 Resp: 312019

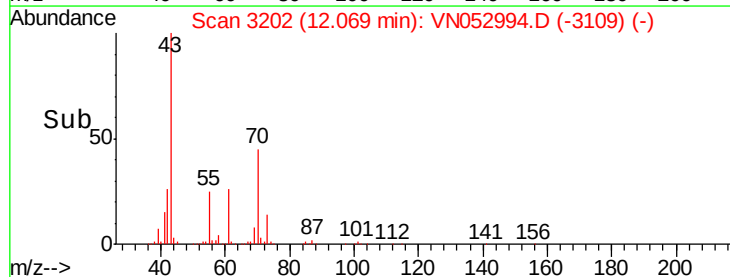
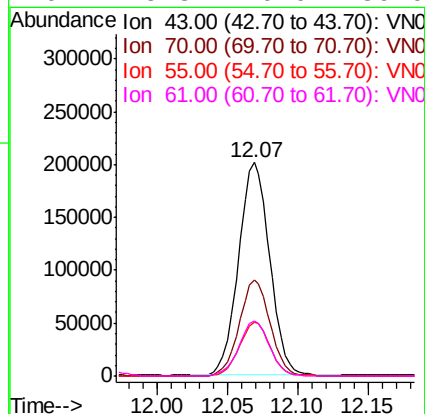
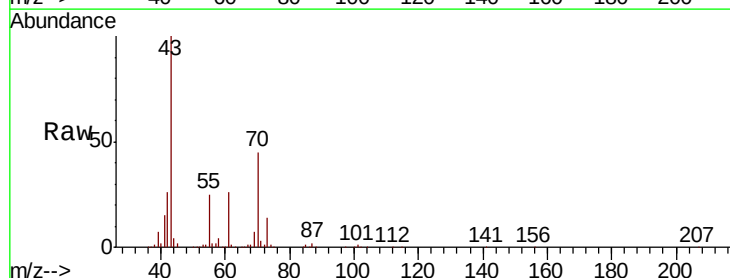
Ion Ratio Lower Upper

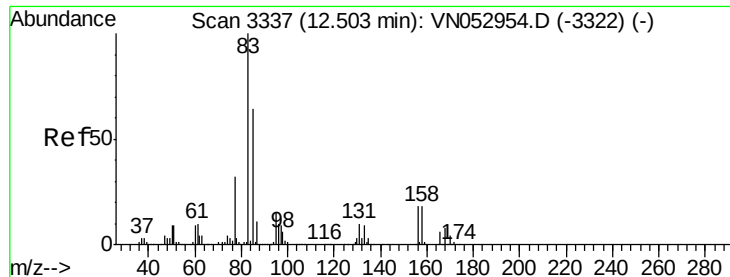
43 100

70 44.7 34.2 51.4

55 25.2 20.3 30.5

61 25.3 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 21.614 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN052994.D

Acq: 19 Dec 2018 6:52

Instrument :

MSVOA_N

ClientSampleId :

VN1218MBSD02

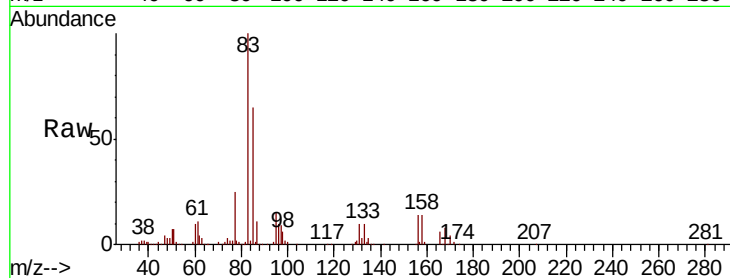
Tot Ion: 83 Resp: 226691

Ion Ratio Lower Upper

83 100

131 10.3 5.2 15.6

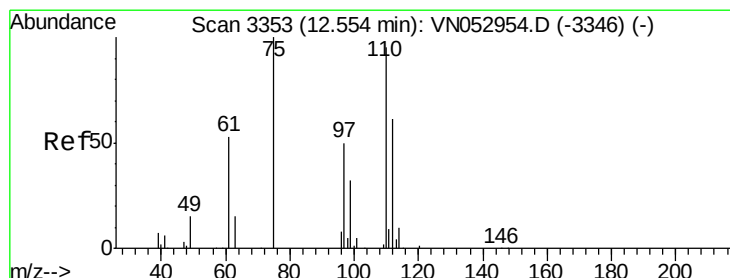
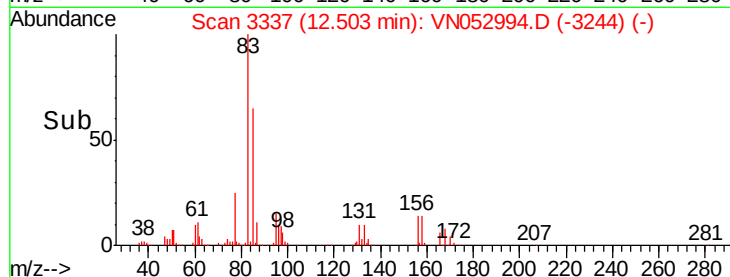
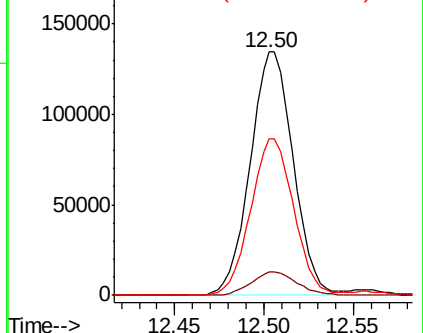
85 64.7 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VN052994.D (-3322) (-)

Ion 130.80 (130.50 to 131.50): VN052994.D (-3322) (-)

Ion 84.90 (84.60 to 85.60): VN052994.D (-3322) (-)



#76

1,2,3-Trichloropropane

Concen: 26.574 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN052994.D

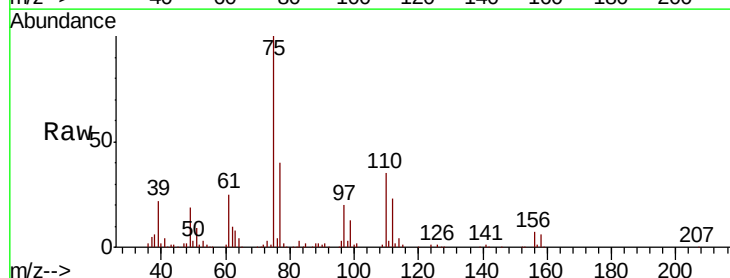
Acq: 19 Dec 2018 6:52

Tgt Ion: 75 Resp: 305653

Ion Ratio Lower Upper

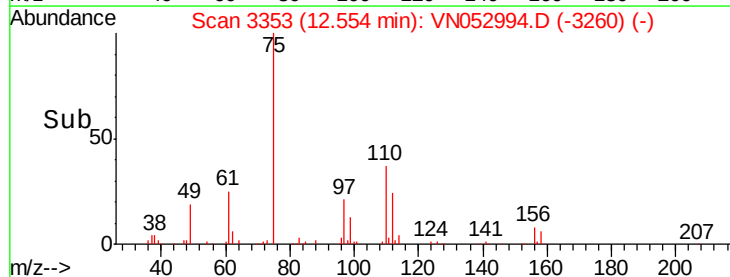
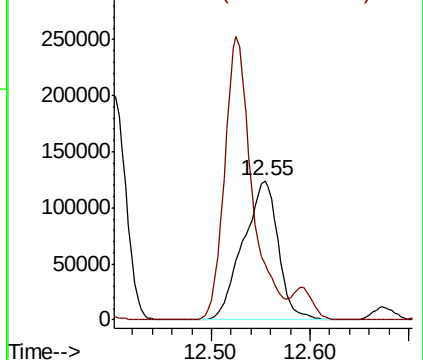
75 100

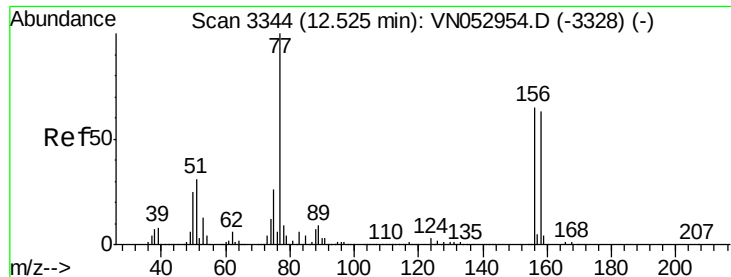
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN052994.D (-3353) (-)

Ion 77.00 (76.70 to 77.70): VN052994.D (-3353) (-)





#77

Bromobenzene

Concen: 20.240 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN052994.D

Acq: 19 Dec 2018 6:52

Instrument :

MSVOA_N

ClientSampleId :

VN1218MBSD02

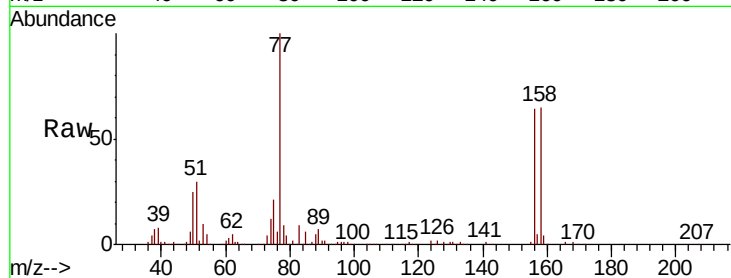
Tot Ion:156 Resp: 281263

Ion Ratio Lower Upper

156 100

77 176.4 91.3 273.8

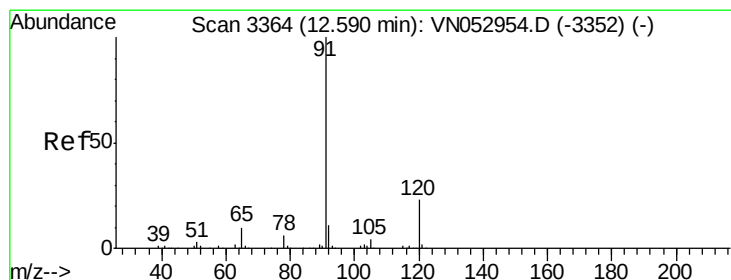
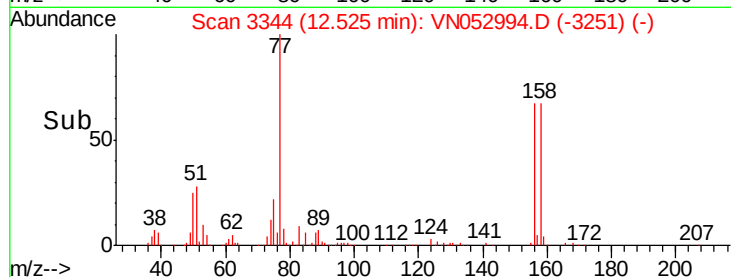
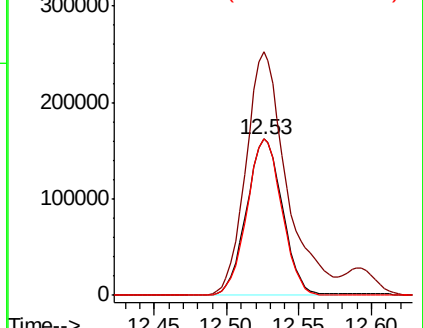
158 97.0 49.0 147.2



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: 19.543 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN052994.D

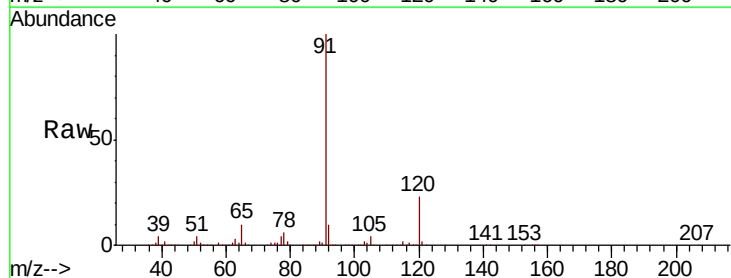
Acq: 19 Dec 2018 6:52

Tgt Ion: 91 Resp: 1189895

Ion Ratio Lower Upper

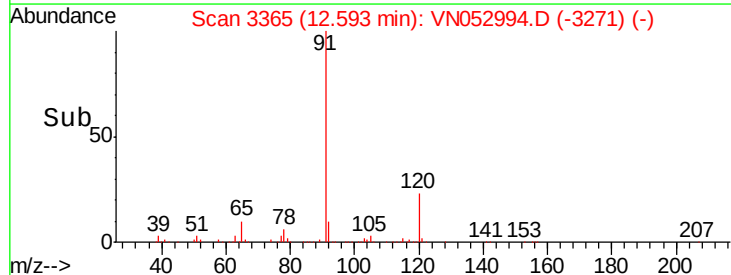
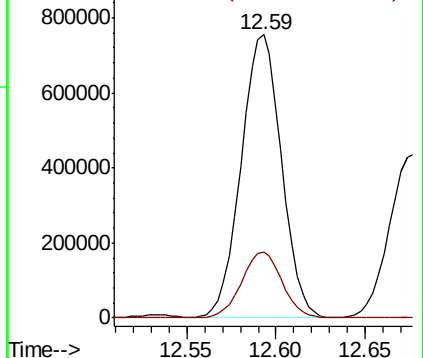
91 100

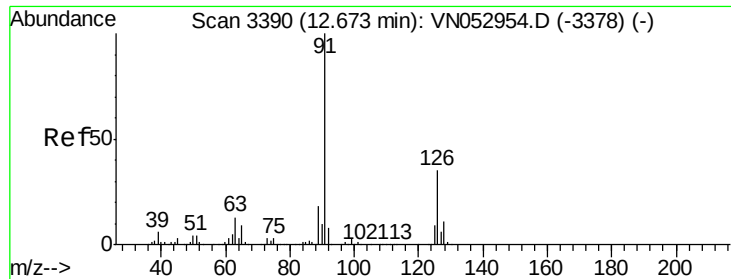
120 23.4 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

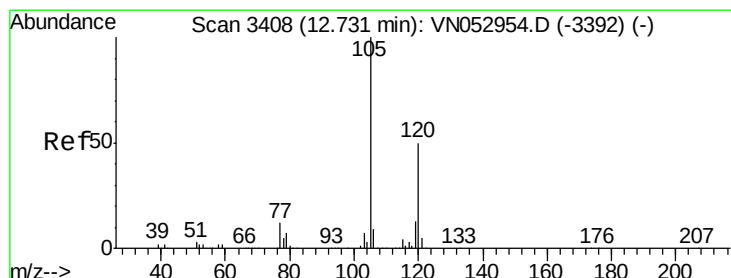
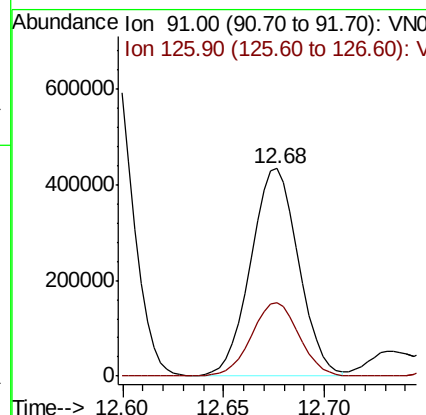
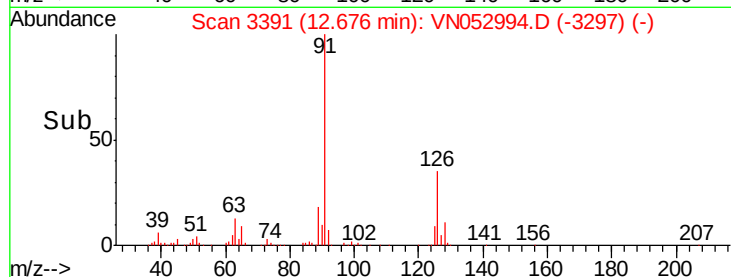
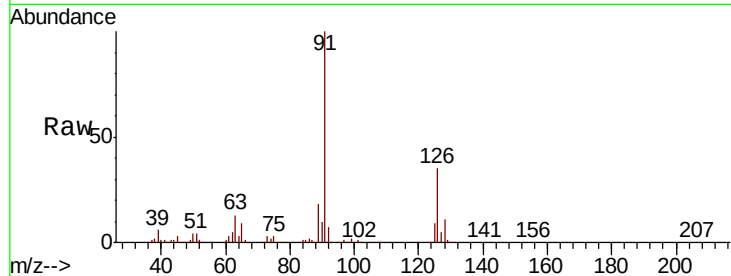




#79
 2-Chlorotoluene
 Concen: 19.013 ug/l
 RT: 12.68 min Scan# 3391
 Delta R.T. 0.00 min
 Lab File: VN052994.D
 Acq: 19 Dec 2018 6:52

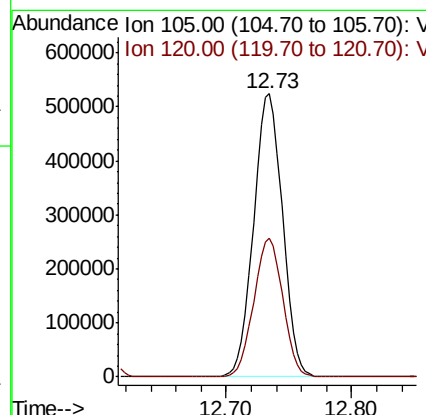
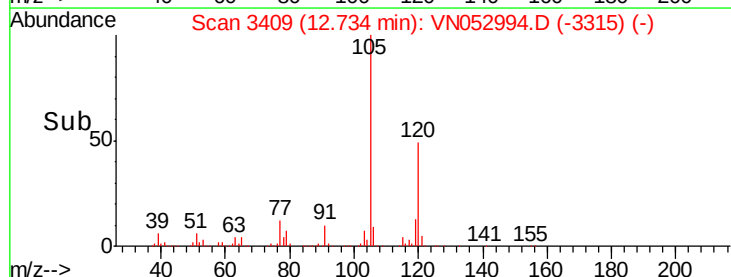
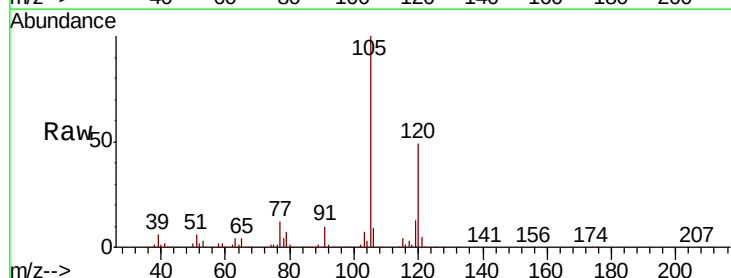
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1218MBSD02

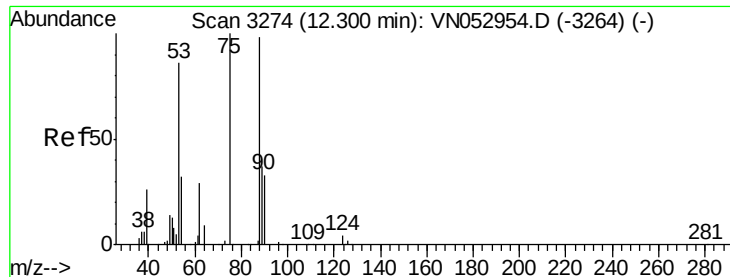
Tot Ion: 91 Resp: 717531
 Ion Ratio Lower Upper
 91 100
 126 35.4 17.4 52.3



#80
 1,3,5-Trimethylbenzene
 Concen: 19.325 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN052994.D
 Acq: 19 Dec 2018 6:52

Tgt Ion: 105 Resp: 842059
 Ion Ratio Lower Upper
 105 100
 120 49.2 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 16.649 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN052994.D

Acq: 19 Dec 2018 6:52

Instrument :

MSVOA_N

ClientSampleId :

VN1218MBSD02

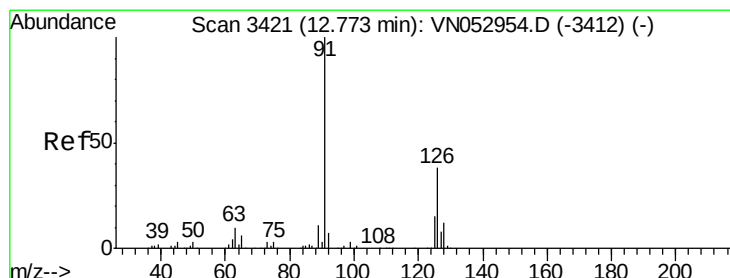
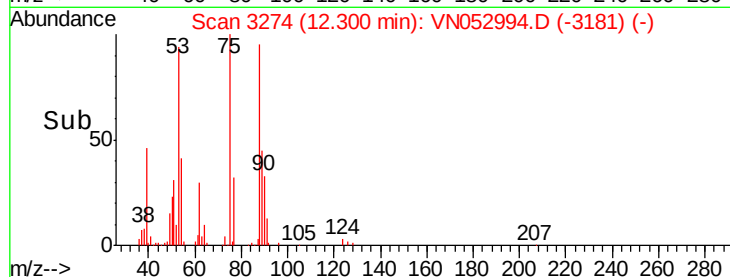
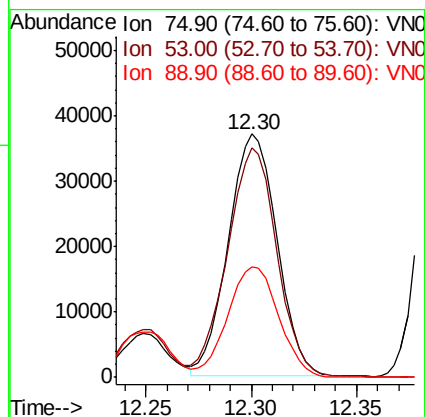
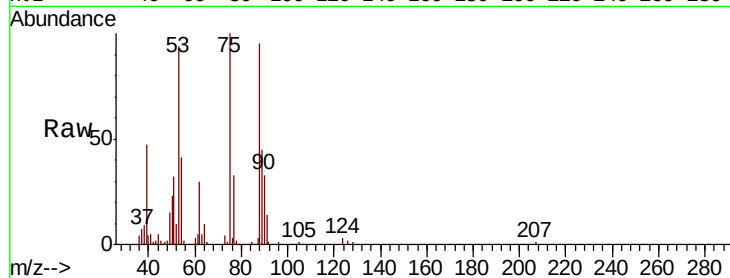
Tot Ion: 75 Resp: 59415

Ion Ratio Lower Upper

75 100

53 96.0 74.7 112.1

89 47.9 36.1 54.1



#82

4-Chlorotoluene

Concen: 19.446 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN052994.D

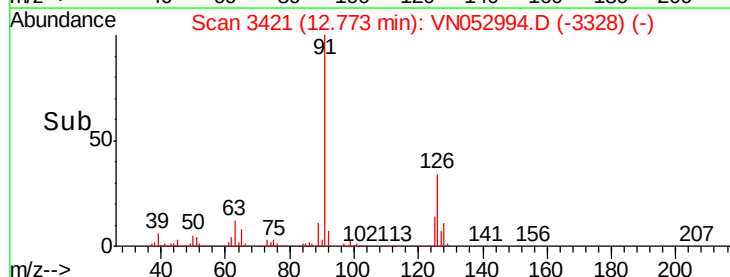
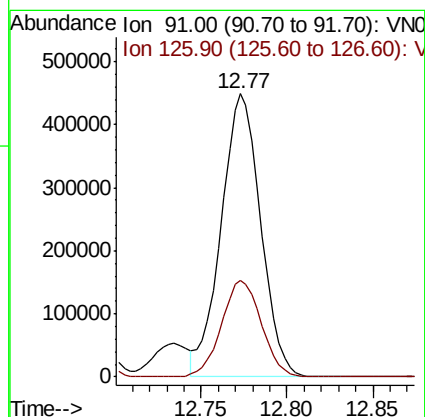
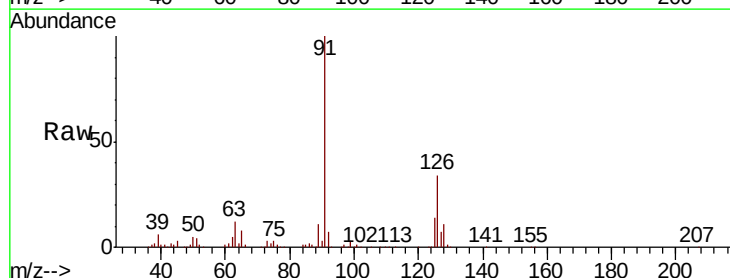
Acq: 19 Dec 2018 6:52

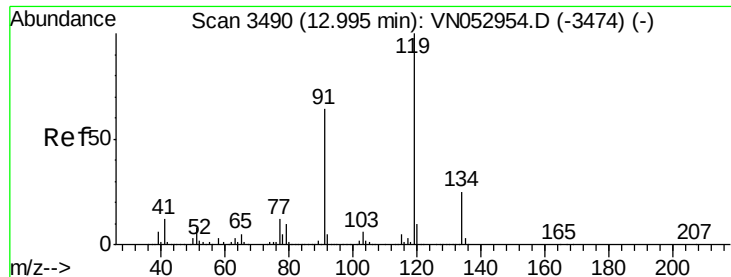
Tgt Ion: 91 Resp: 718402

Ion Ratio Lower Upper

91 100

126 34.5 17.3 51.7

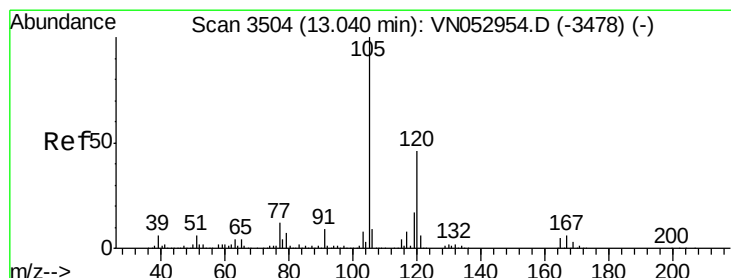
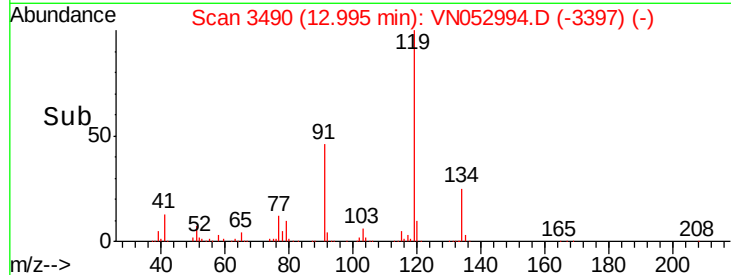
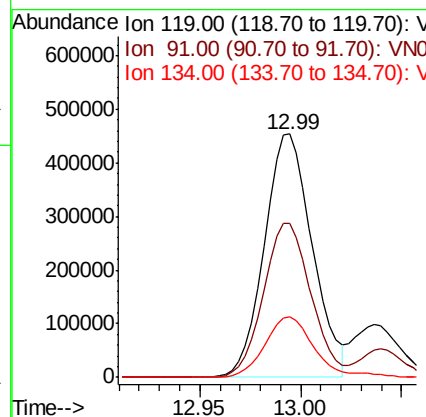
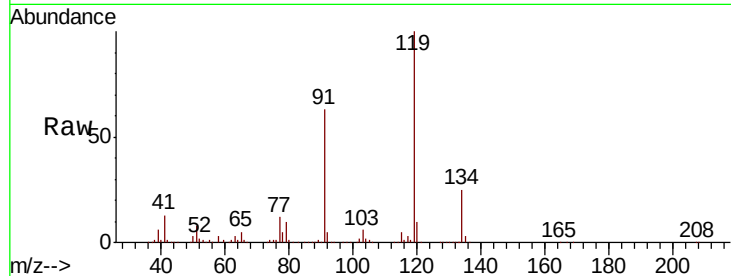




#83
 tert-Butylbenzene
 Concen: 19.459 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN052994.D
 Acq: 19 Dec 2018 6:52

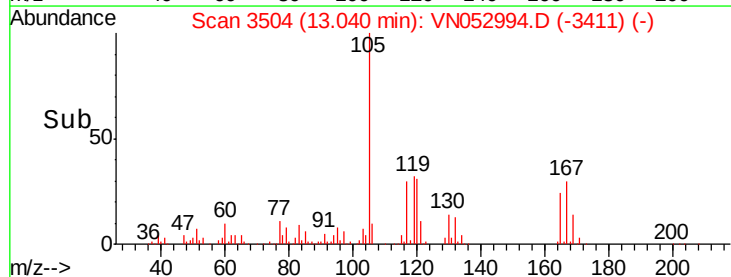
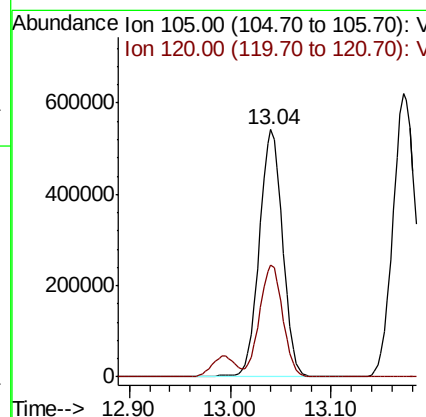
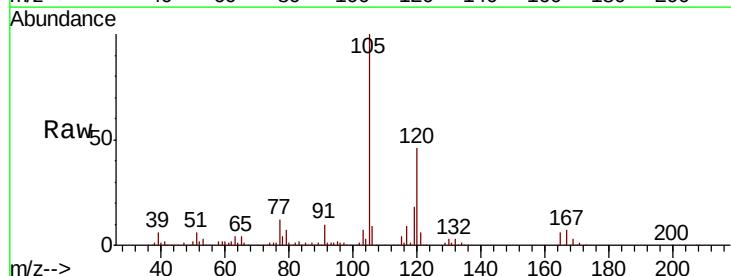
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1218MBSD02

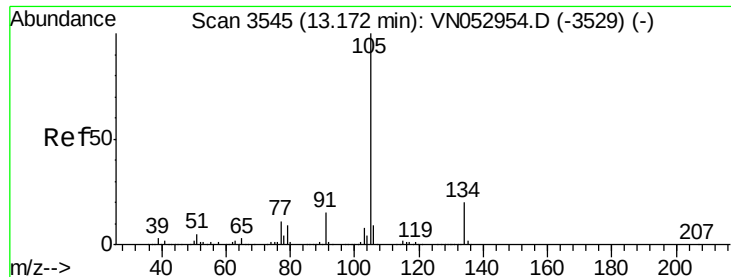
Tot Ion:119	Resp:	749910
Ion Ratio	Lower	Upper
119	100	
91	63.0	31.9 95.5
134	25.8	12.8 38.4



#84
 1,2,4-Trimethylbenzene
 Concen: 19.629 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN052994.D
 Acq: 19 Dec 2018 6:52

Tgt Ion:105	Resp:	859824
Ion Ratio	Lower	Upper
105	100	
120	45.4	22.9 68.8





#85

sec-Butylbenzene

Concen: 18.954 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN052994.D

Acq: 19 Dec 2018 6:52

Instrument :

MSVOA_N

ClientSampleId :

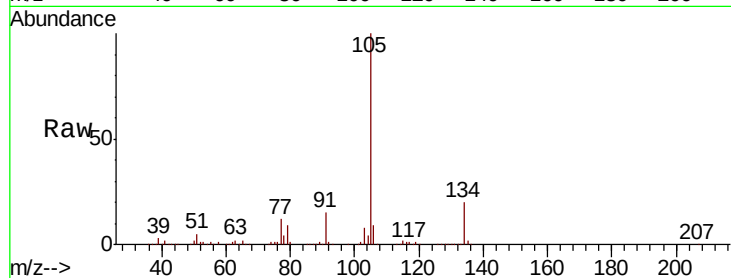
VN1218MBSD02

Tot Ion:105 Resp: 987981

Ion Ratio Lower Upper

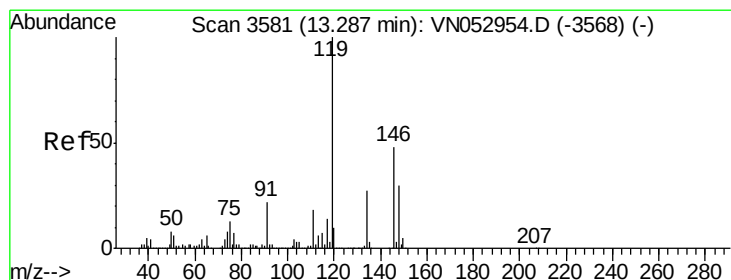
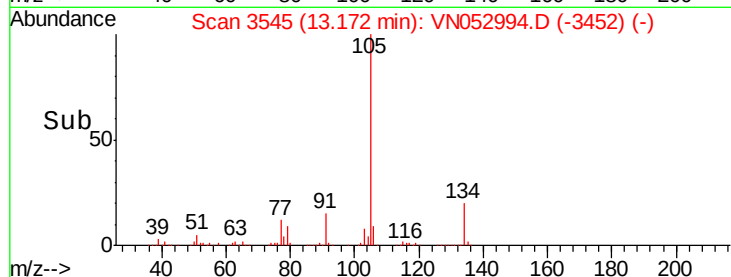
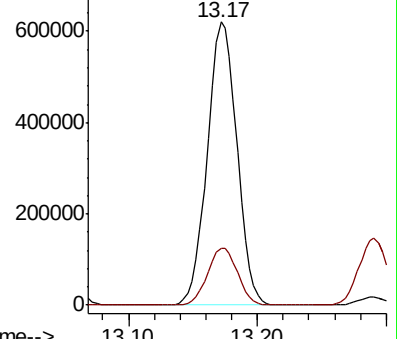
105 100

134 20.4 10.1 30.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 18.676 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN052994.D

Acq: 19 Dec 2018 6:52

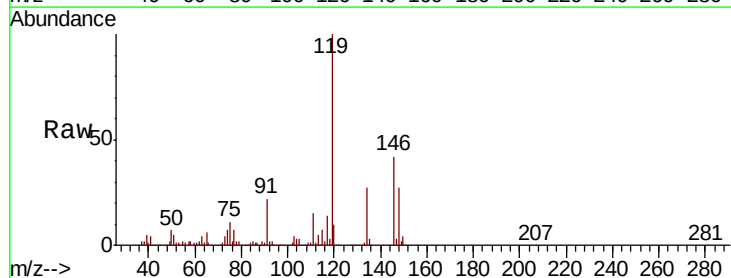
Tgt Ion:119 Resp: 841189

Ion Ratio Lower Upper

119 100

134 27.1 13.4 40.2

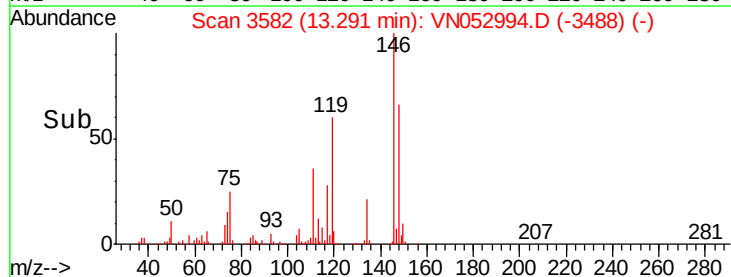
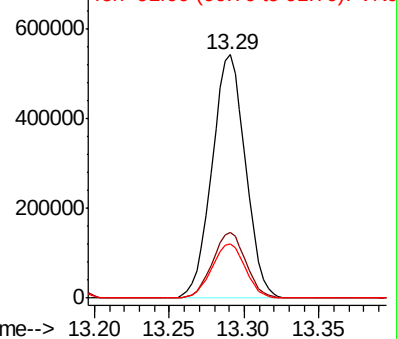
91 22.4 11.1 33.3

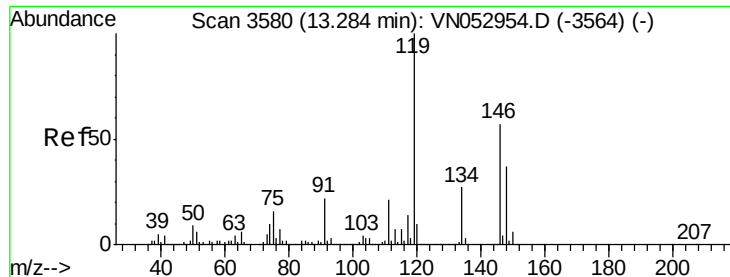


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

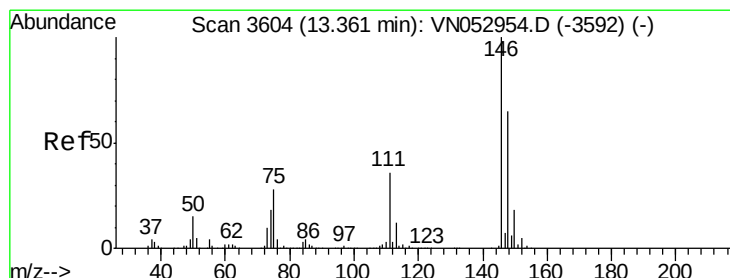
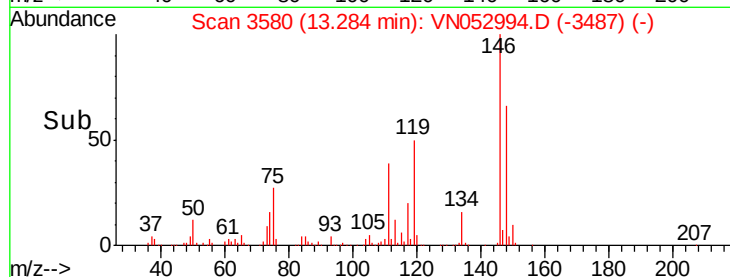
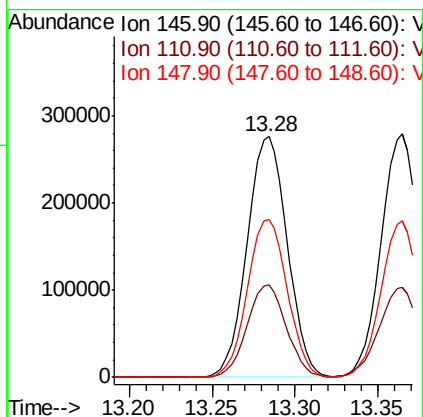
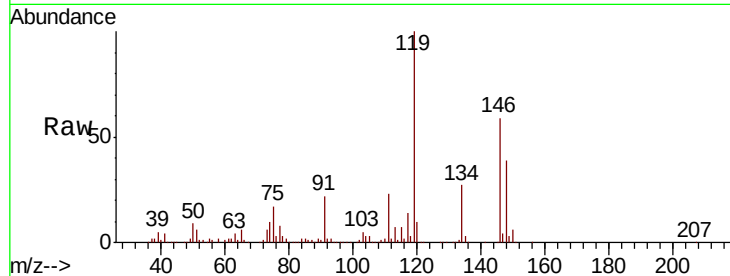




#87
 1,3-Dichlorobenzene
 Concen: 18.889 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN052994.D
 Acq: 19 Dec 2018 6:52

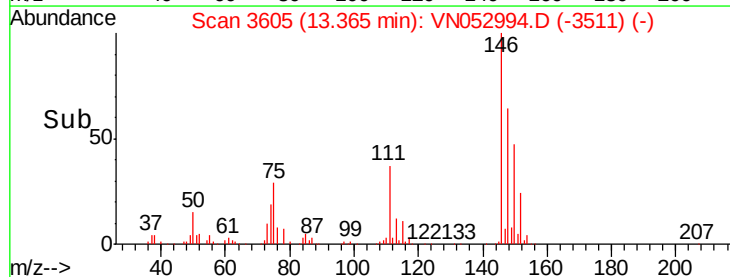
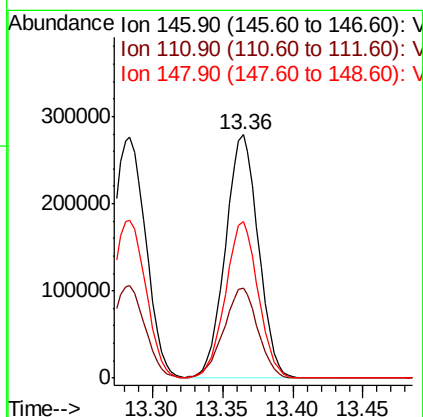
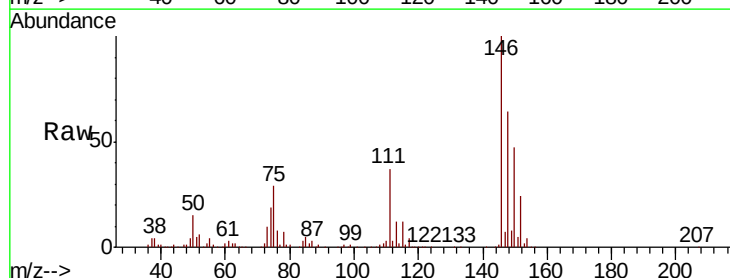
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1218MBSD02

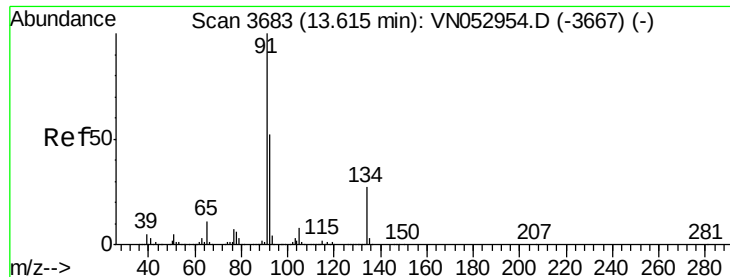
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.6	19.1	57.1
148	64.9	32.0	96.0



#88
 1,4-Dichlorobenzene
 Concen: 18.287 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN052994.D
 Acq: 19 Dec 2018 6:52

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.2	18.6	55.8
148	64.1	32.1	96.5





#89

n-Butylbenzene

Concen: 16.982 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. -0.00 min

Lab File: VN052994.D

Acq: 19 Dec 2018 6:52

Instrument :

MSVOA_N

ClientSampleId :

VN1218MBS02

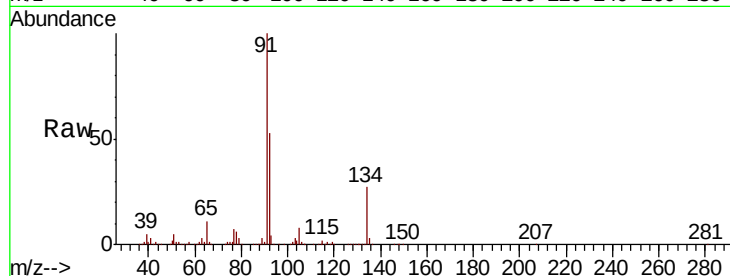
Tot Ion: 91 Resp: 658033

Ion Ratio Lower Upper

91 100

92 52.1 26.3 78.9

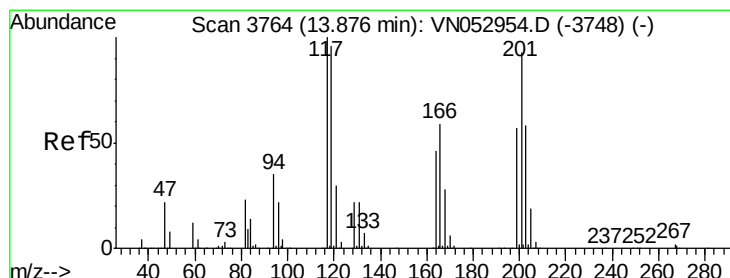
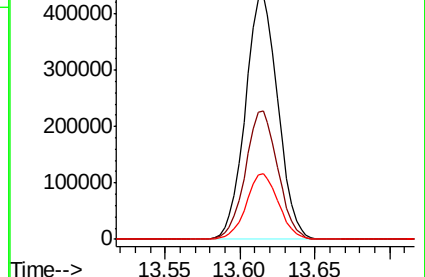
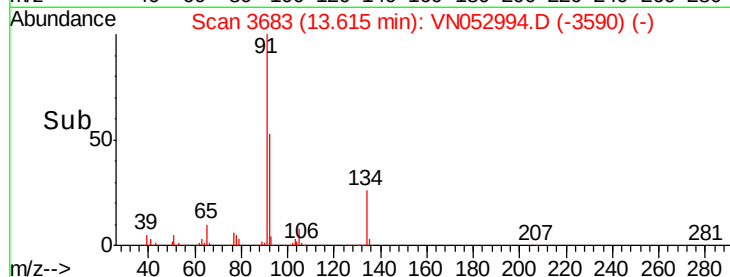
134 26.6 13.3 39.8



Abundance Ion 91.00 (90.70 to 91.70): VN052994.D (-3667) (-)

Ion 92.00 (91.70 to 92.70): VN052994.D (-3667) (-)

Ion 134.00 (133.70 to 134.70): VN052994.D (-3667) (-)



#90

Hexachloroethane

Concen: 18.074 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. -0.00 min

Lab File: VN052994.D

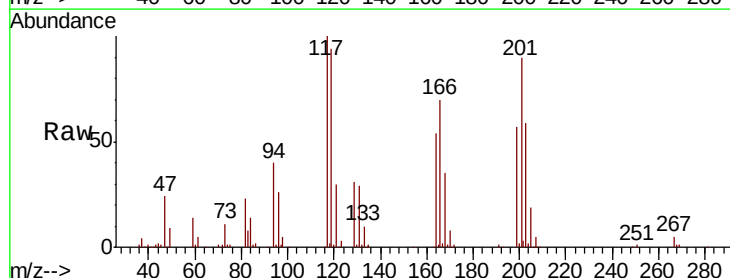
Acq: 19 Dec 2018 6:52

Tgt Ion: 117 Resp: 124928

Ion Ratio Lower Upper

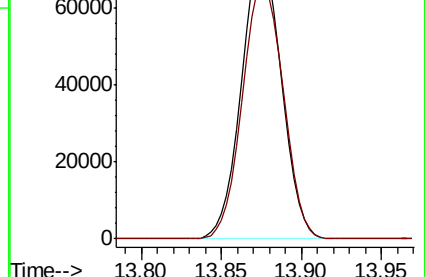
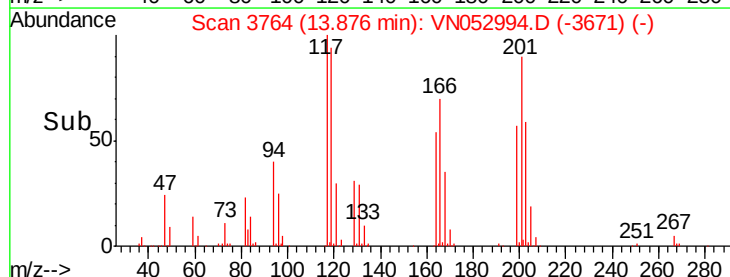
117 100

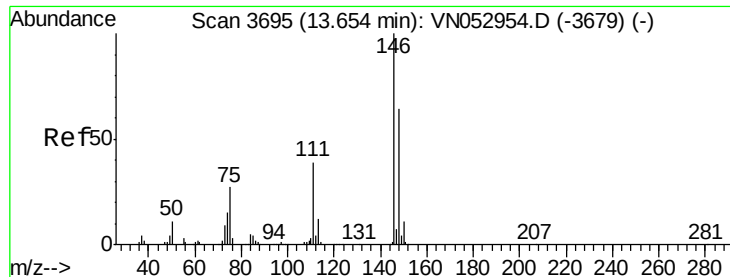
201 91.9 45.7 137.1



Abundance Ion 116.80 (116.50 to 117.50): VN052994.D (-3748) (-)

Ion 200.70 (200.40 to 201.40): VN052994.D (-3748) (-)

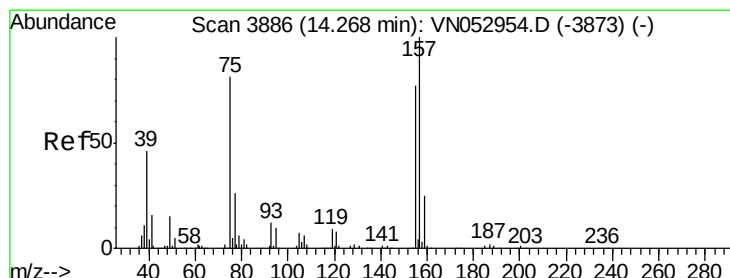
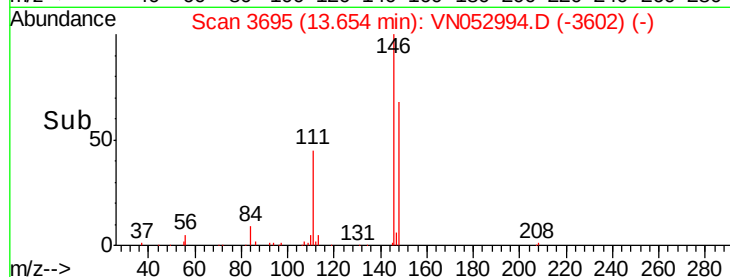
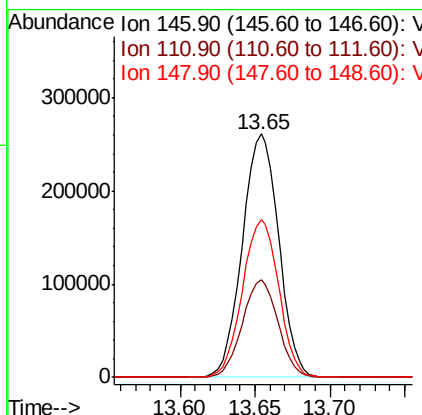
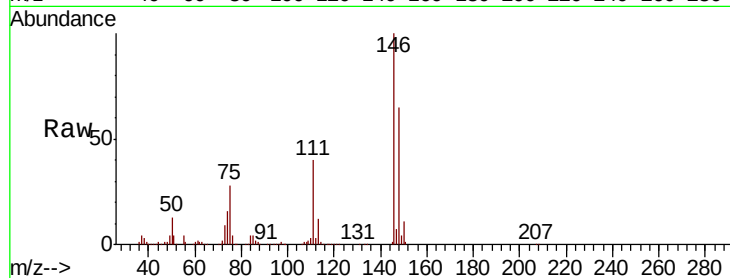




#91
 1,2-Dichlorobenzene
 Concen: 19.123 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN052994.D
 Acq: 19 Dec 2018 6:52

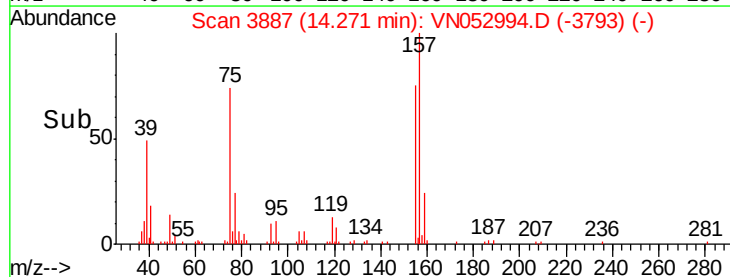
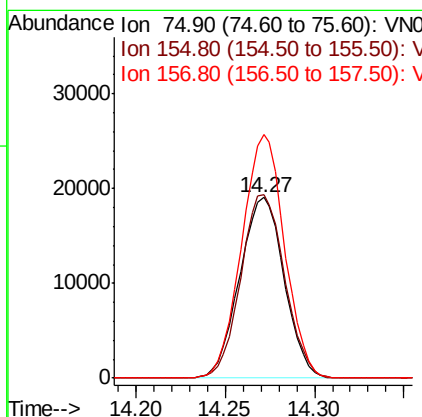
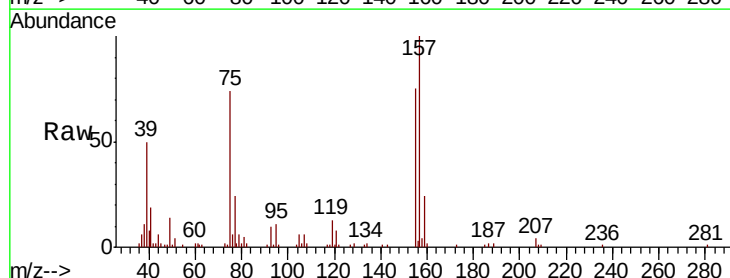
Instrument :
 MSVOA_N
 ClientSampled :
 VN1218MBSD02

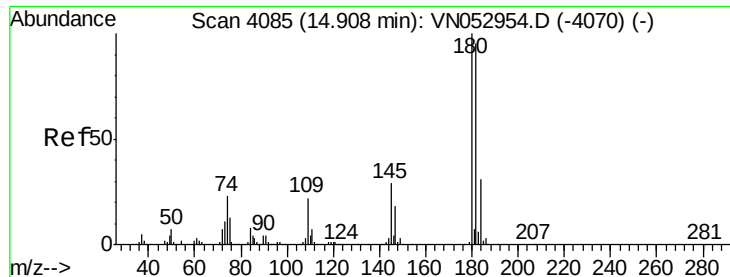
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.7	59.0
148	64.5	32.0	96.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.277 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN052994.D
 Acq: 19 Dec 2018 6:52

Tgt Ion	Ratio	Lower	Upper
75	100		
155	100.1	48.2	144.6
157	129.5	61.2	183.5

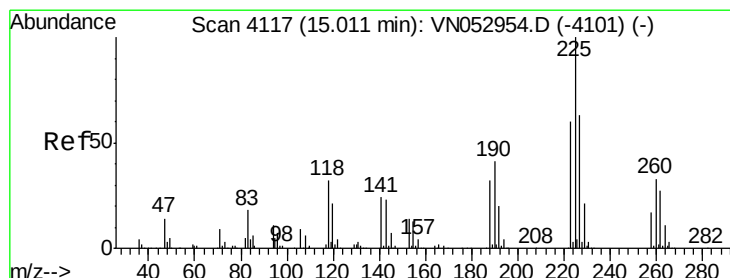
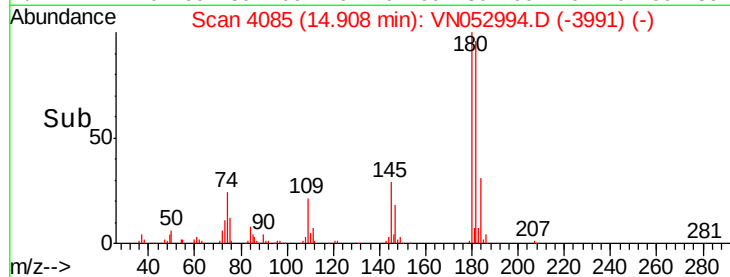
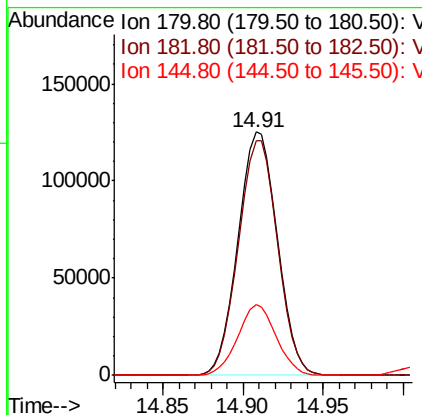
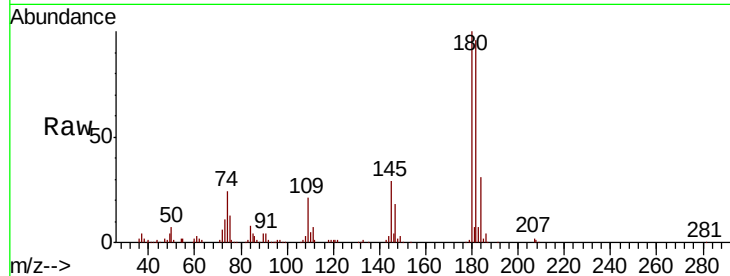




#93
 1,2,4-Trichlorobenzene
 Concen: 17.439 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN052994.D
 Acq: 19 Dec 2018 6:52

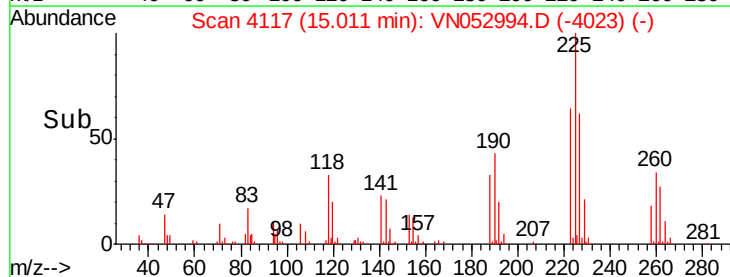
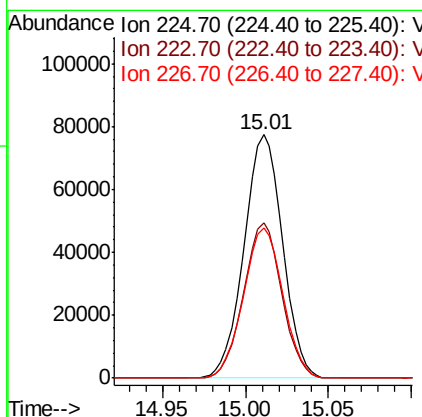
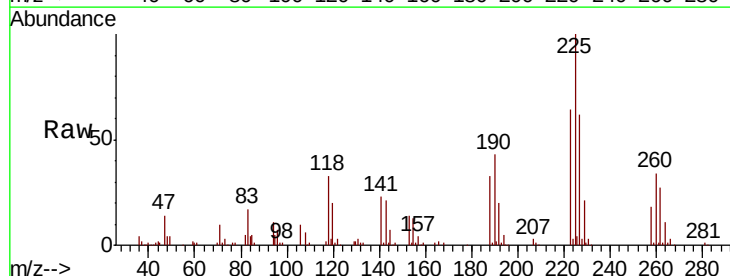
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1218MBSD02

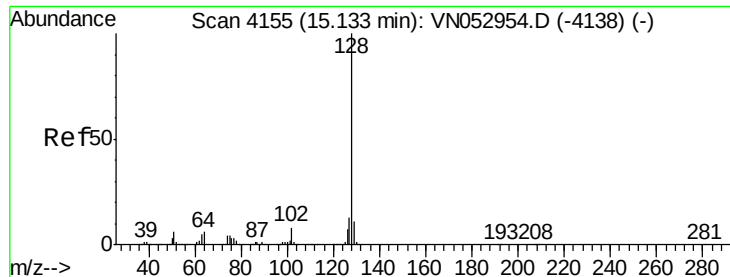
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.5	47.8	143.3
145	28.2	14.2	42.6



#94
 Hexachlorobutadiene
 Concen: 17.856 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN052994.D
 Acq: 19 Dec 2018 6:52

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.1	31.5	94.5
227	63.1	31.9	95.7

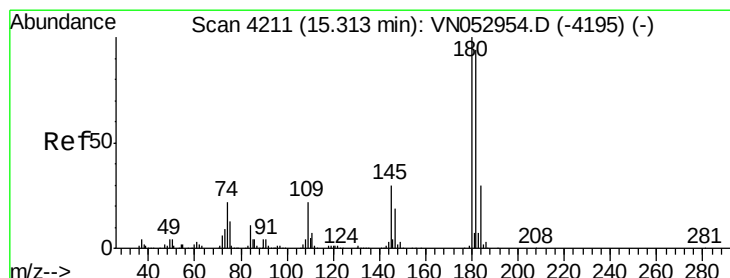
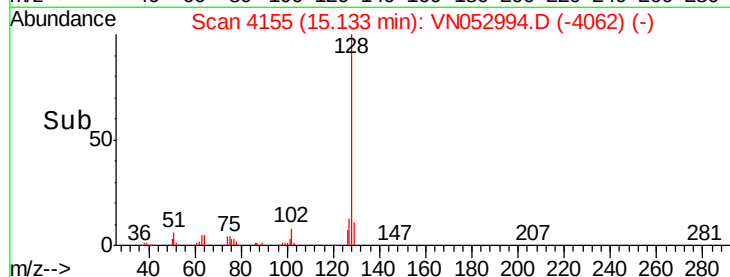
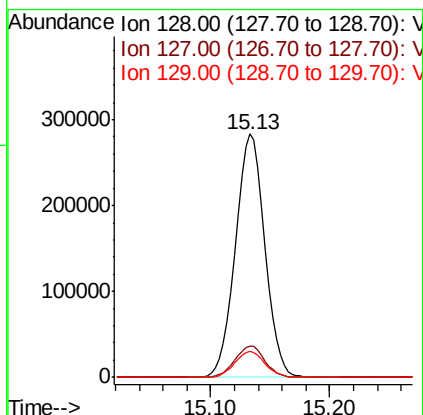
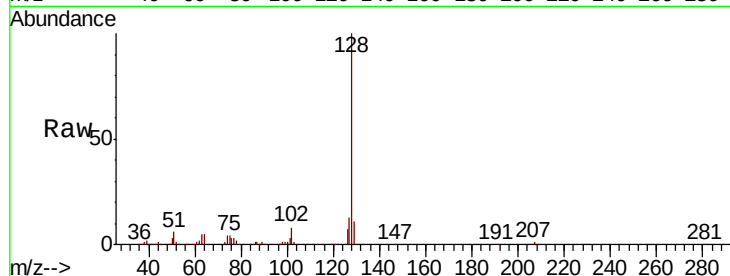




#95
Naphthalene
Concen: 18.727 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN052994.D
Acq: 19 Dec 2018 6:52

Instrument :
MSVOA_N
ClientSampleId :
VN1218MBSD02

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.2	15.4
129	10.9	8.6	13.0



#96
1,2,3-Trichlorobenzene
Concen: 17.822 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN052994.D
Acq: 19 Dec 2018 6:52

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.9	143.7
145	30.0	15.0	45.0

