

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN020419\
 Data File : VN053598.D
 Acq On : 4 Feb 2019 15:56
 Operator : JC/SP
 Sample : VN0204MBSD01
 Misc : 5.00µ/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 14 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0204MBSD01

Quant Time: Feb 05 01:27:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N013019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 01 09:11:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	717120	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1132549	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	990859	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	467256	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	378494	52.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.22%	
35) Dibromofluoromethane	7.59	113	360154	50.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.66%	
50) Toluene-d8	10.09	98	1331296	49.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.10%	
62) 4-Bromofluorobenzene	12.40	95	451129	50.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.68%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	160146	20.013	ug/l	97
3) Chloromethane	2.06	50	181995	21.377	ug/l	99
4) Vinyl Chloride	2.19	62	172836	20.913	ug/l	100
5) Bromomethane	2.57	94	114499	21.189	ug/l	97
6) Chloroethane	2.71	64	98924	20.946	ug/l	99
7) Trichlorofluoromethane	3.02	101	225396	20.111	ug/l	99
8) Diethyl Ether	3.41	74	85047	20.779	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	134858	19.457	ug/l	98
10) Methyl Iodide	3.96	142	217869	20.026	ug/l	99
11) Tert butyl alcohol	4.78	59	44277	103.994	ug/l #	88
12) 1,1-Dichloroethene	3.74	96	135081	20.341	ug/l	98
13) Acrolein	3.61	56	41731	180.022	ug/l	97
14) Allyl chloride	4.33	41	210980	19.954	ug/l	98
15) Acrylonitrile	4.99	53	246596	107.286	ug/l	100
16) Acetone	3.82	43	162834	88.242	ug/l	99
17) Carbon Disulfide	4.06	76	369484	17.869	ug/l	100
18) Methyl Acetate	4.33	43	116391	21.298	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	355137	21.096	ug/l	99
20) Methylene Chloride	4.55	84	154741	19.988	ug/l	99
21) trans-1,2-Dichloroethene	5.05	96	143510	20.031	ug/l	100
22) Diisopropyl ether	5.95	45	422636	21.572	ug/l	93
23) Vinyl Acetate	5.90	43	1424605	105.112	ug/l	99
24) 1,1-Dichloroethane	5.85	63	266195	20.371	ug/l	99
25) 2-Butanone	6.83	43	262043	99.568	ug/l	99
26) 2,2-Dichloropropane	6.83	77	179713	18.016	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	164352	20.630	ug/l	99
28) Bromochloromethane	7.20	49	118142	20.834	ug/l	99
29) Tetrahydrofuran	7.21	42	182475	107.976	ug/l	99
30) Chloroform	7.37	83	262981	20.302	ug/l	97
31) Cyclohexane	7.65	56	241811	19.773	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	213715	19.825	ug/l	99
36) 1,1-Dichloropropene	7.79	75	197533	19.348	ug/l	98
37) Ethyl Acetate	6.93	43	121057	21.231	ug/l	99
38) Carbon Tetrachloride	7.77	117	185859	18.071	ug/l	100

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

39) Methylcyclohexane	9.08	83	222000	18.329	ug/l	98
40) Benzene	8.04	78	616461	19.581	ug/l	100
41) Methacrylonitrile	7.17	41	50253	15.769	ug/l #	69
42) 1,2-Dichloroethane	8.13	62	182257	19.497	ug/l	100
43) Isopropyl Acetate	8.17	43	217843	19.783	ug/l	99
44) Trichloroethene	8.84	130	170382	19.010	ug/l	97
45) 1,2-Dichloropropane	9.12	63	161293	20.030	ug/l	99
46) Dibromomethane	9.21	93	93298	19.220	ug/l	98
47) Bromodichloromethane	9.40	83	189954	18.821	ug/l	99
48) Methyl methacrylate	9.20	41	107203	20.395	ug/l	98
49) 1,4-Dioxane	9.20	88	30317	421.586	ug/l #	94
51) 4-Methyl-2-Pentanone	9.99	43	548559	101.376	ug/l	100
52) Toluene	10.16	92	370388	19.823	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	184208	18.227	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	223824	18.690	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	134233	19.937	ug/l	99
56) Ethyl methacrylate	10.43	69	158269	19.871	ug/l	99
57) 1,3-Dichloropropane	10.71	76	229768	19.968	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	429693	92.210	ug/l	99
59) 2-Hexanone	10.75	43	345751	94.122	ug/l	99
60) Dibromochloromethane	10.90	129	140804	18.545	ug/l	100
61) 1,2-Dibromoethane	11.01	107	125319	18.805	ug/l	98
64) Tetrachloroethene	10.63	164	157181	18.505	ug/l	99
65) Chlorobenzene	11.44	112	400539	19.031	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.51	131	141512	19.252	ug/l	98
67) Ethyl Benzene	11.51	91	673635	19.484	ug/l	100
68) m/p-Xylenes	11.62	106	524744	39.767	ug/l	99
69) o-Xylene	11.95	106	256763	20.141	ug/l	97
70) Styrene	11.96	104	411919	19.936	ug/l	100
71) Bromoform	12.13	173	93394	18.533	ug/l #	99
73) Isopropylbenzene	12.25	105	659782	20.086	ug/l	100
74) N-amyl acetate	12.07	43	157509	19.941	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	157736	20.065	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	186884	31.139	ug/l #	100
77) Bromobenzene	12.53	156	179755	20.305	ug/l	96
78) n-propylbenzene	12.59	91	755521	19.897	ug/l	99
79) 2-Chlorotoluene	12.68	91	452408	20.082	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	562389	20.647	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	36040	16.886	ug/l	95
82) 4-Chlorotoluene	12.77	91	455075	19.686	ug/l	100
83) tert-Butylbenzene	12.99	119	496372	20.619	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	570859	20.571	ug/l	100
85) sec-Butylbenzene	13.17	105	660568	20.164	ug/l	100
86) p-Isopropyltoluene	13.29	119	571535	19.948	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	304276	19.120	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	302703	19.229	ug/l	100
89) n-Butylbenzene	13.62	91	479165	19.321	ug/l	100
90) Hexachloroethane	13.87	117	89714	18.983	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	295659	19.406	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	22062	19.692	ug/l	99

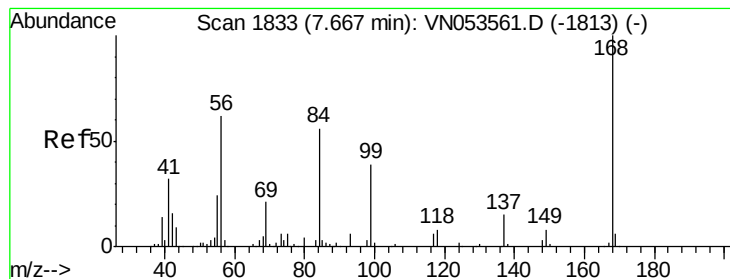
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	169474	19.395	ug/l	98
94) Hexachlorobutadiene	15.01	225	96111	17.662	ug/l	99
95) Naphthalene	15.13	128	385390	19.860	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	159716	19.700	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053598.D

Acq: 4 Feb 2019 15:56

Instrument :

MSVOA_N

ClientSampleId :

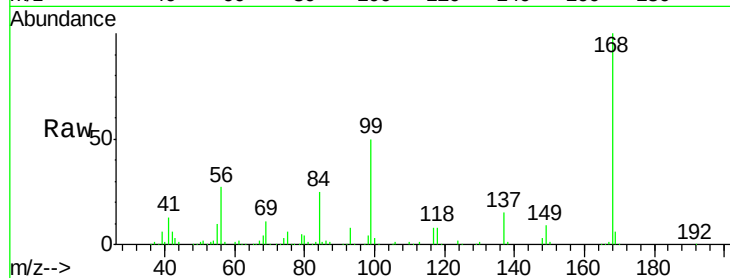
VN0204MBSD01

Tot Ion:168 Resp: 717120

Ion Ratio Lower Upper

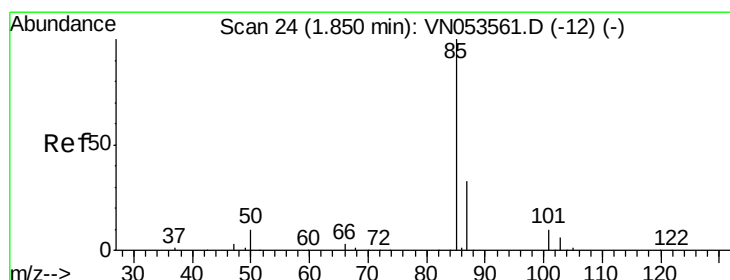
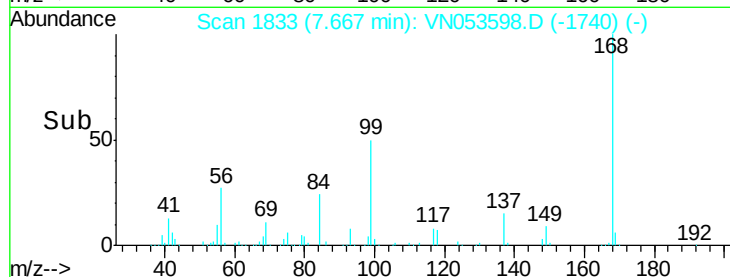
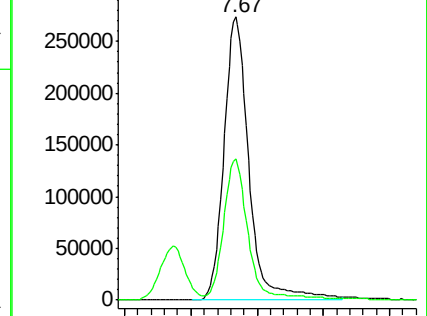
168 100

99 49.1 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#2

Dichlorodifluoromethane

Concen: 20.013 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053598.D

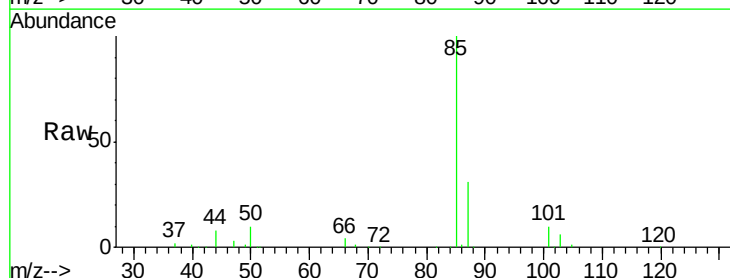
Acq: 4 Feb 2019 15:56

Tgt Ion: 85 Resp: 160146

Ion Ratio Lower Upper

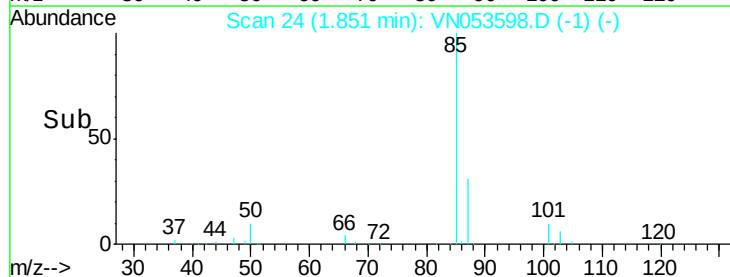
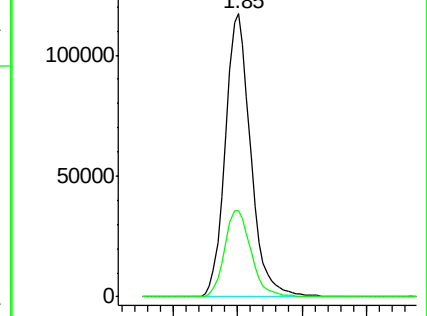
85 100

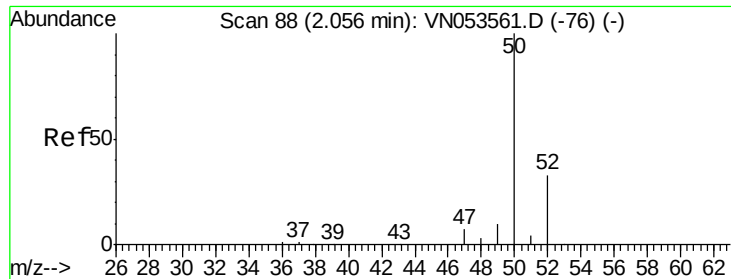
87 30.6 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

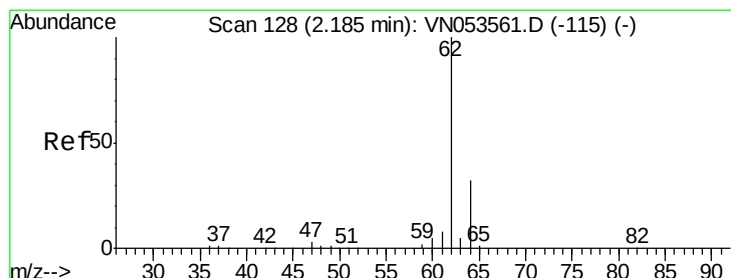
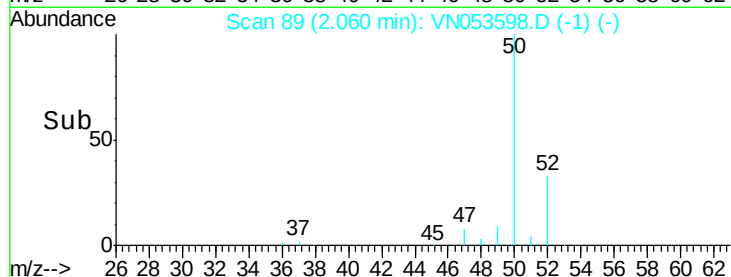
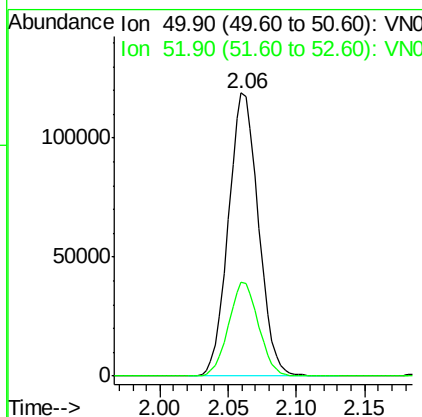
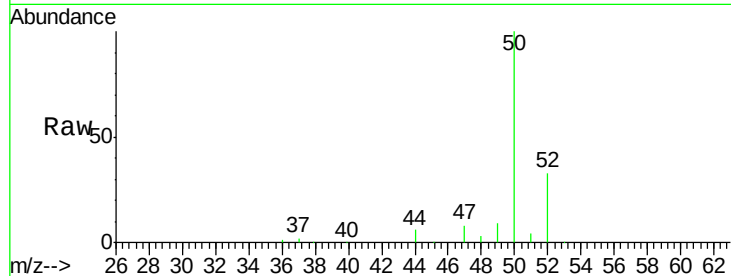




#3
Chloromethane
Concen: 21.377 ug/l
RT: 2.06 min Scan# 89
Delta R.T. 0.00 min
Lab File: VN053598.D
Acq: 4 Feb 2019 15:56

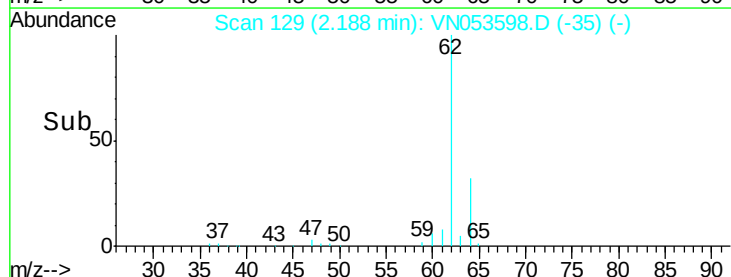
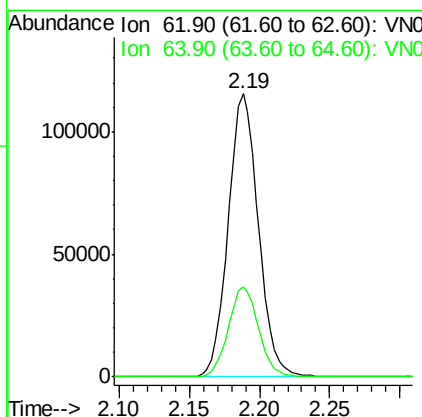
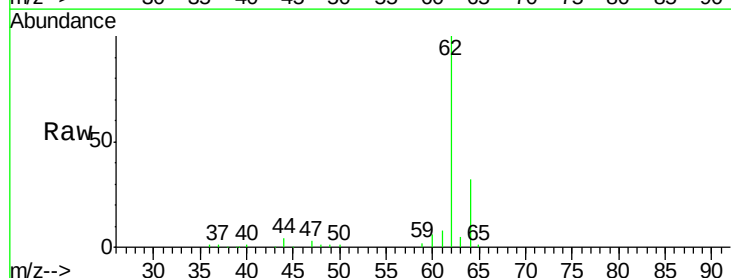
Instrument :
MSVOA_N
ClientSampled :
VN0204MBSD01

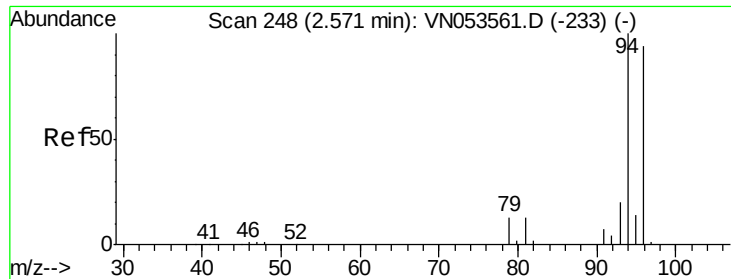
Tot Ion: 50 Resp: 181995
Ion Ratio Lower Upper
50 100
52 33.0 26.6 40.0



#4
Vinyl Chloride
Concen: 20.913 ug/l
RT: 2.19 min Scan# 129
Delta R.T. 0.00 min
Lab File: VN053598.D
Acq: 4 Feb 2019 15:56

Tgt Ion: 62 Resp: 172836
Ion Ratio Lower Upper
62 100
64 32.0 25.4 38.2





#5

Bromomethane

Concen: 21.189 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN053598.D

Acq: 4 Feb 2019 15:56

Instrument :

MSVOA_N

ClientSampleId :

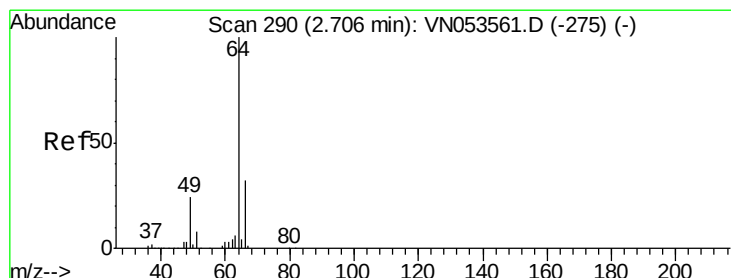
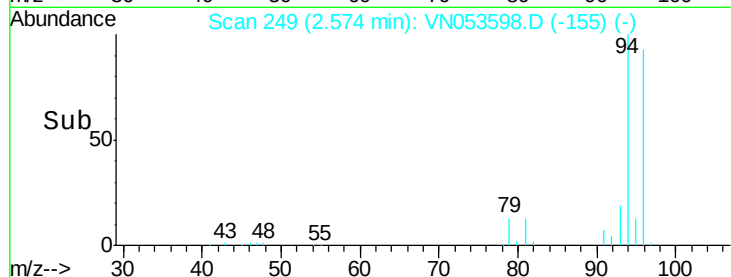
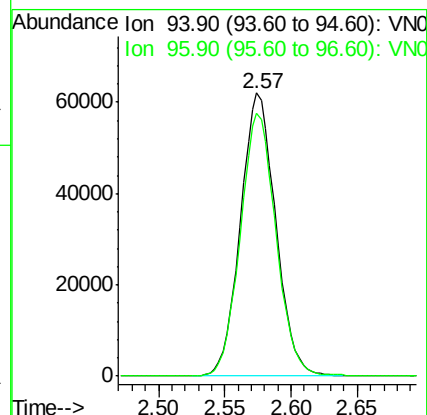
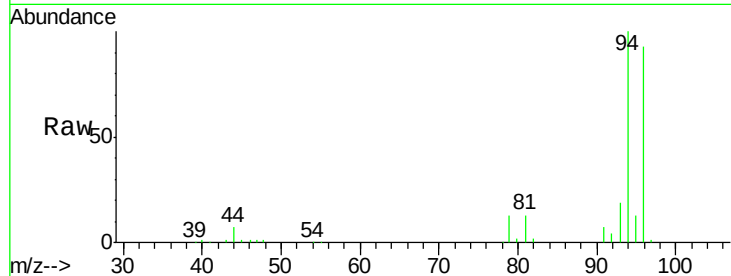
VN0204MBSD01

Tot Ion: 94 Resp: 114499

Ion Ratio Lower Upper

94 100

96 92.7 76.8 115.2



#6

Chloroethane

Concen: 20.946 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN053598.D

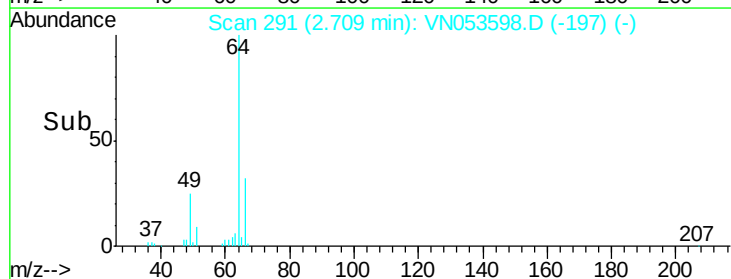
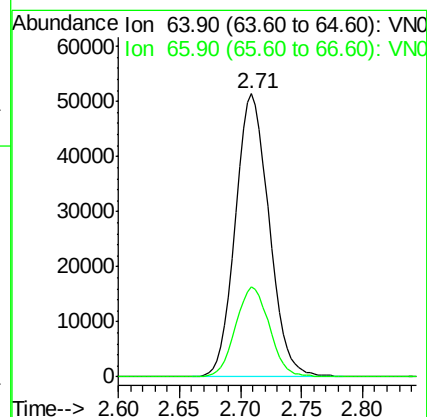
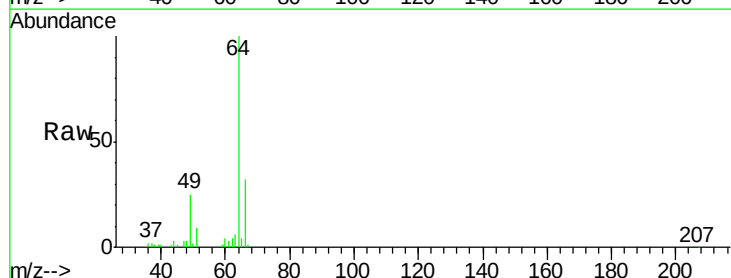
Acq: 4 Feb 2019 15:56

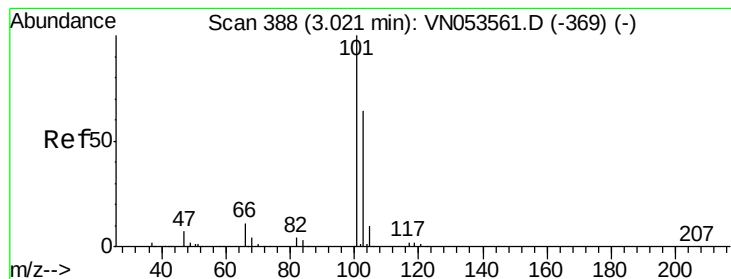
Tgt Ion: 64 Resp: 98924

Ion Ratio Lower Upper

64 100

66 31.7 25.1 37.7



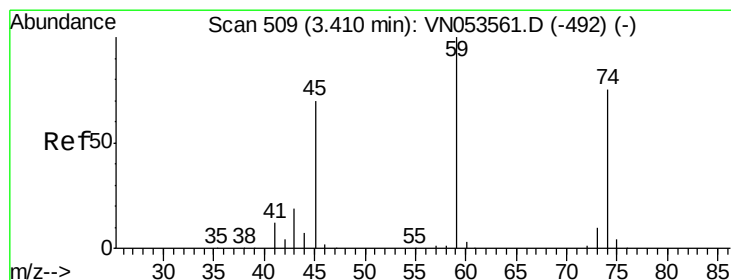
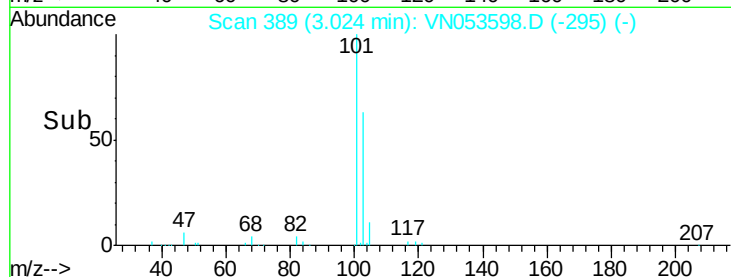
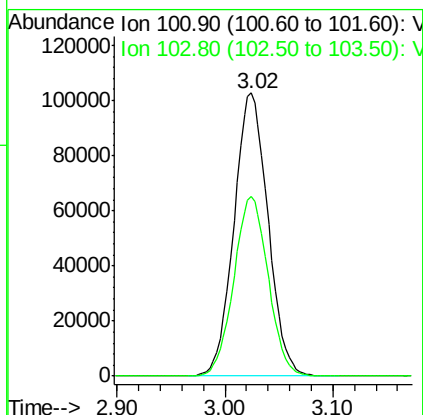
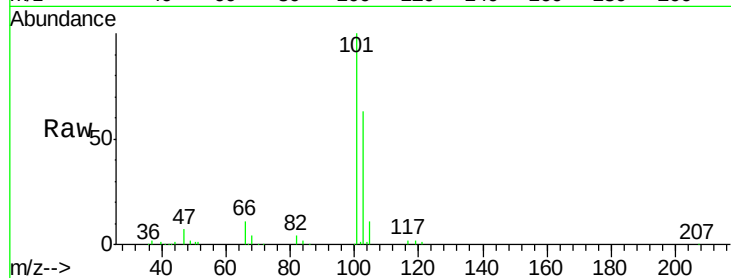


#7

Trichlorofluoromethane
 Concen: 20.111 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN053598.D
 Acq: 4 Feb 2019 15:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0204MBSD01

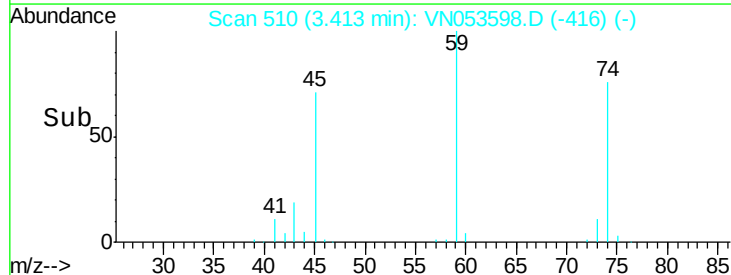
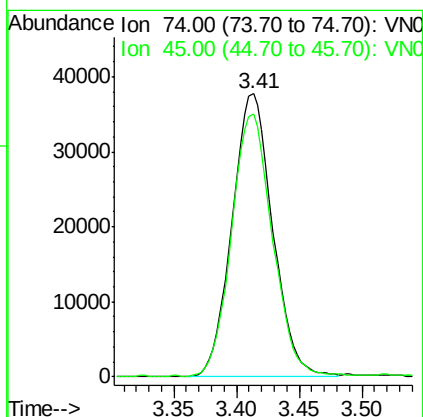
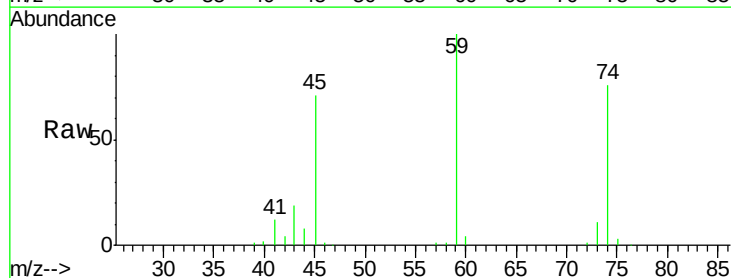
Tot Ion:101 Resp: 225396
 Ion Ratio Lower Upper
 101 100
 103 63.4 51.6 77.4

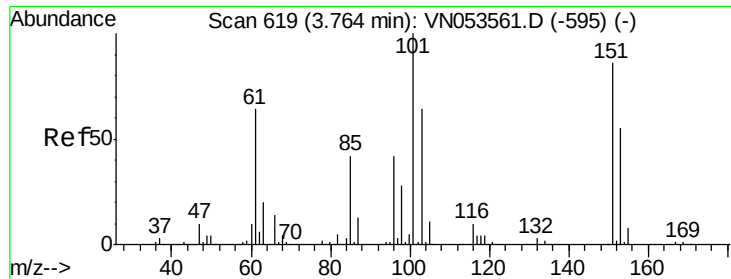


#8

Diethyl Ether
 Concen: 20.779 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN053598.D
 Acq: 4 Feb 2019 15:56

Tgt Ion: 74 Resp: 85047
 Ion Ratio Lower Upper
 74 100
 45 94.4 47.9 143.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.457 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN053598.D

Acq: 4 Feb 2019 15:56

Instrument :

MSVOA_N

ClientSampleId :

VN0204MBSD01

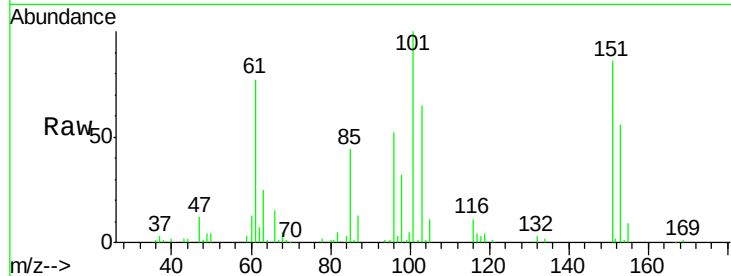
Tot Ion:101 Resp: 134858

Ion Ratio Lower Upper

101 100

85 42.7 32.8 49.2

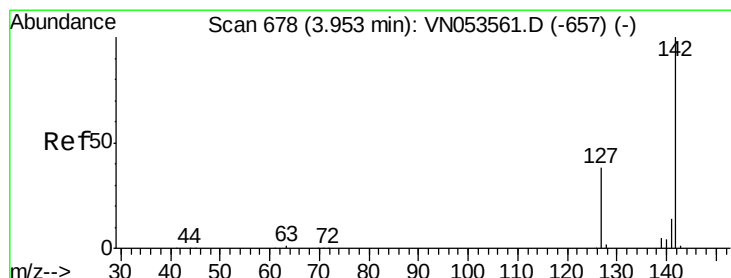
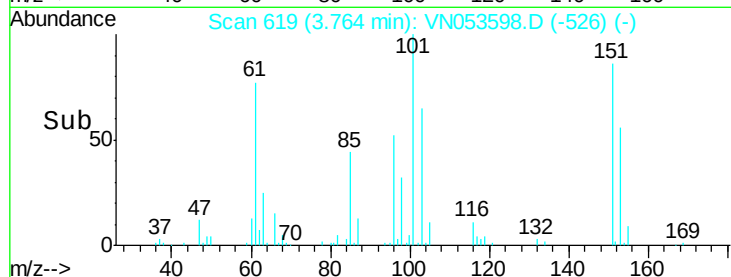
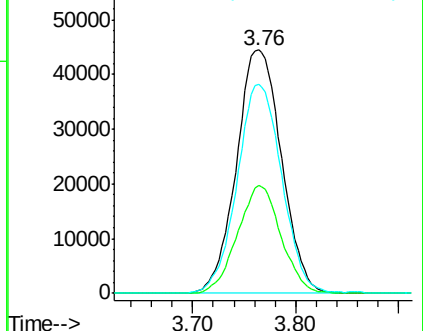
151 85.4 66.9 100.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.026 ug/l

RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

Lab File: VN053598.D

Acq: 4 Feb 2019 15:56

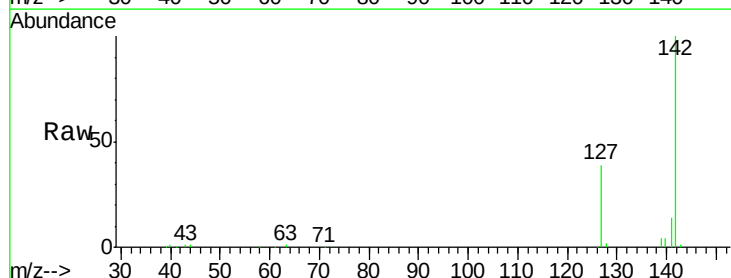
Tgt Ion:142 Resp: 217869

Ion Ratio Lower Upper

142 100

127 37.8 31.0 46.4

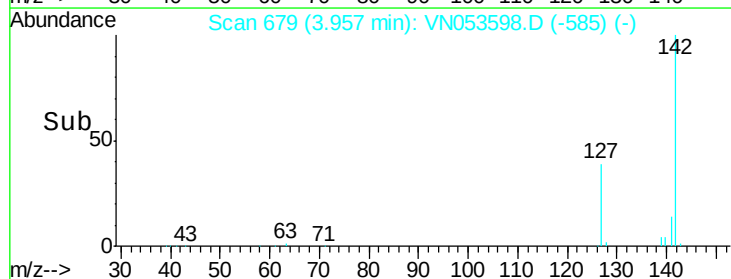
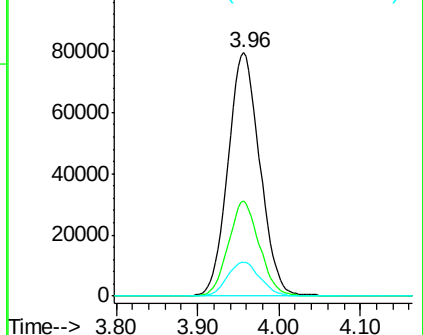
141 14.2 11.1 16.7

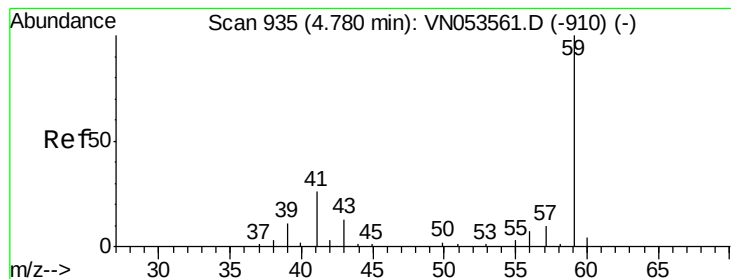


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



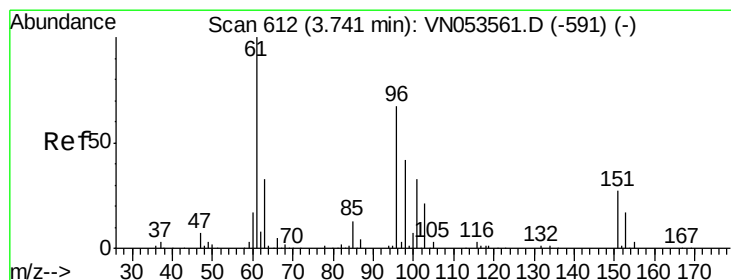
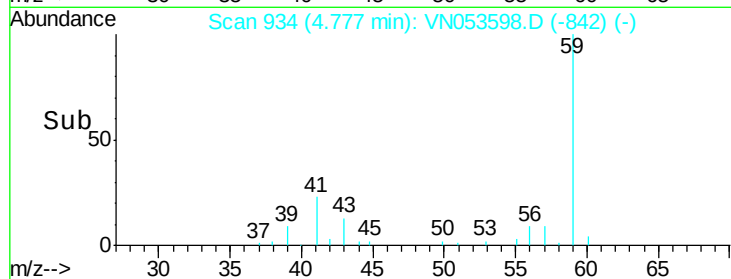
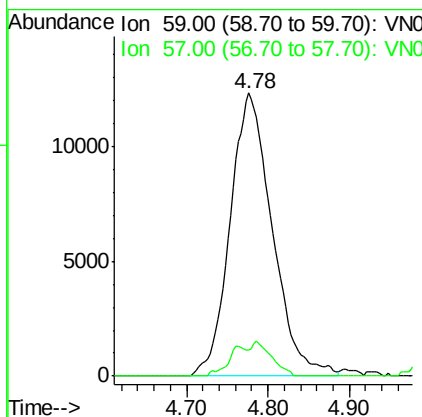
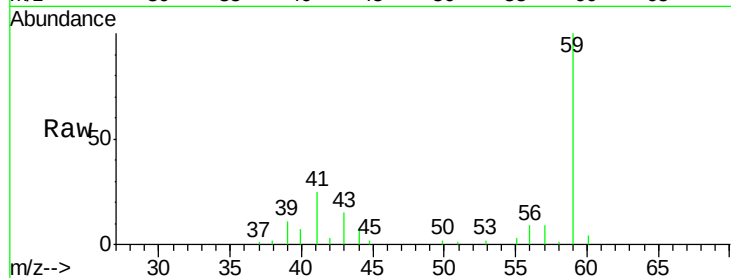


#11

Tert butyl alcohol
 Concen: 103.994 ug/l
 RT: 4.78 min Scan# 934
 Delta R.T. -0.00 min
 Lab File: VN053598.D
 Acq: 4 Feb 2019 15:56

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0204MBSD01

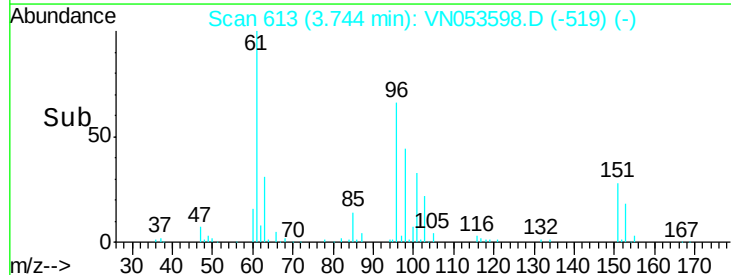
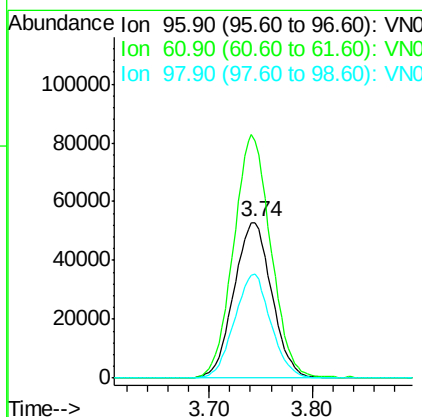
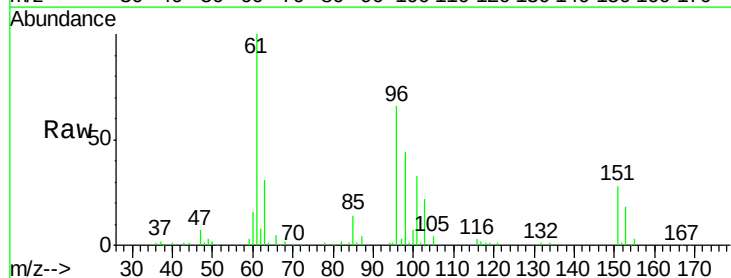
Tot Ion: 59 Resp: 44277
 Ion Ratio Lower Upper
 59 100
 57 5.8 8.2 12.4#

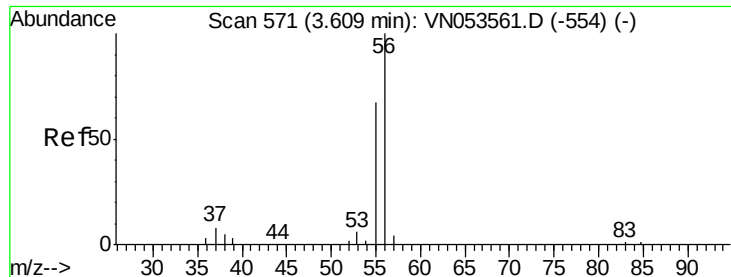


#12

1,1-Dichloroethene
 Concen: 20.341 ug/l
 RT: 3.74 min Scan# 613
 Delta R.T. 0.00 min
 Lab File: VN053598.D
 Acq: 4 Feb 2019 15:56

Tgt Ion: 96 Resp: 135081
 Ion Ratio Lower Upper
 96 100
 61 152.6 122.9 184.3
 98 66.8 49.4 74.0





#13

Acrolein

Concen: 180.022 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN053598.D

Acq: 4 Feb 2019 15:56

Instrument :

MSVOA_N

ClientSampleId :

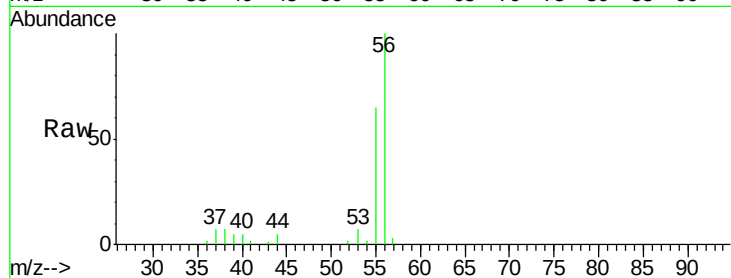
VN0204MBSD01

Tot Ion: 56 Resp: 41731

Ion Ratio Lower Upper

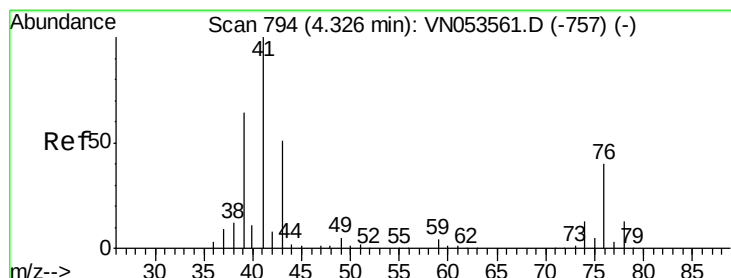
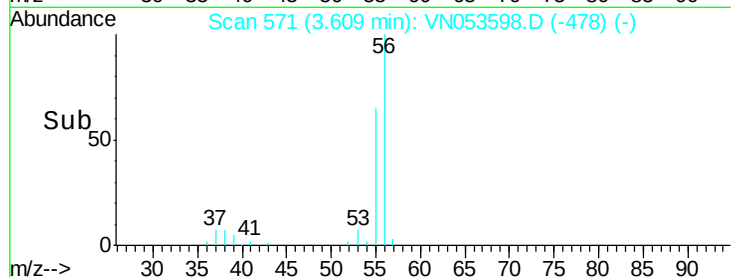
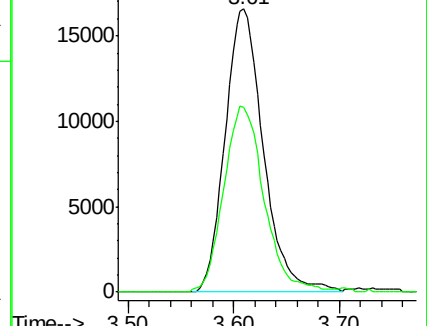
56 100

55 69.0 57.4 86.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 19.954 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN053598.D

Acq: 4 Feb 2019 15:56

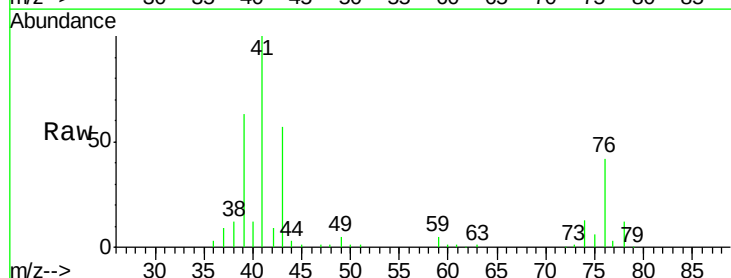
Tgt Ion: 41 Resp: 210980

Ion Ratio Lower Upper

41 100

39 62.2 48.9 73.3

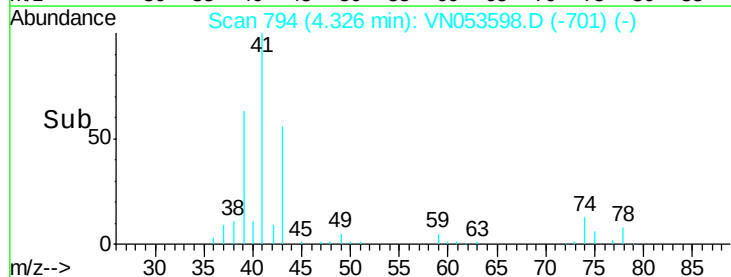
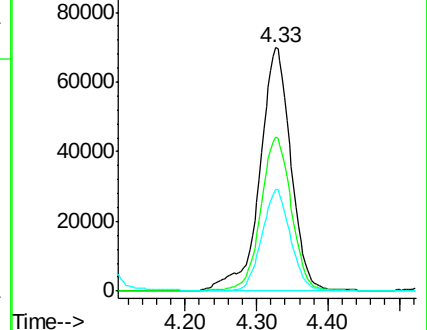
76 38.4 29.4 44.2

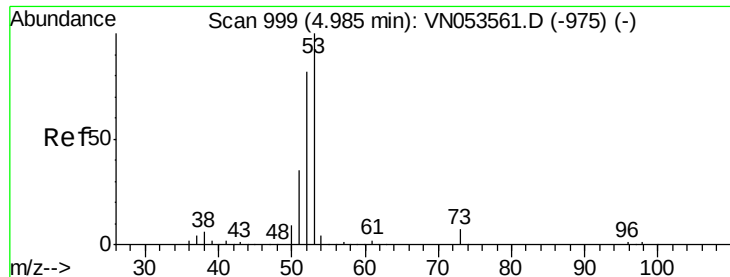


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 107.286 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN053598.D

Acq: 4 Feb 2019 15:56

Instrument :

MSVOA_N

ClientSampleId :

VN0204MBSD01

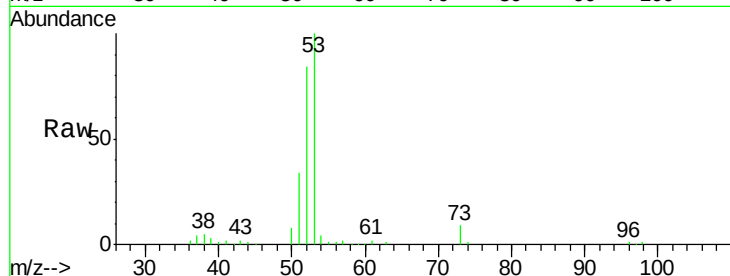
Tot Ion: 53 Resp: 246596

Ion Ratio Lower Upper

53 100

52 82.3 66.0 99.0

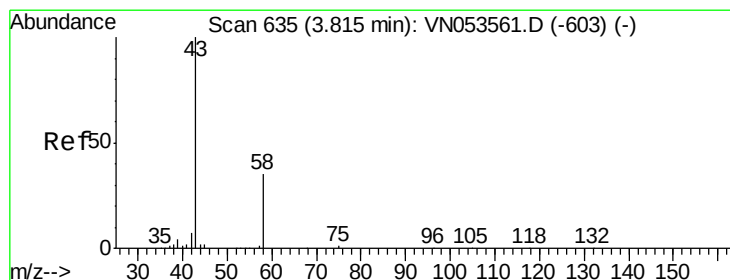
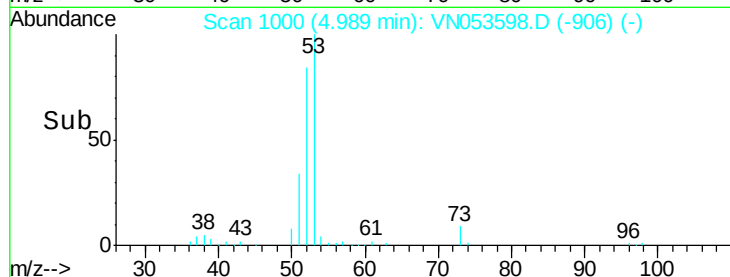
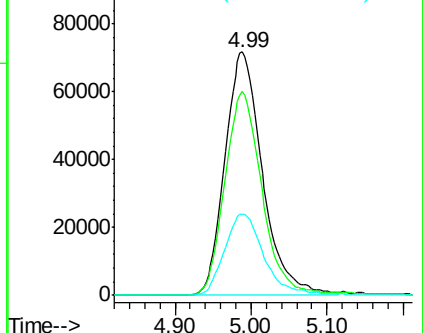
51 34.9 28.3 42.5



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 88.242 ug/l

RT: 3.82 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN053598.D

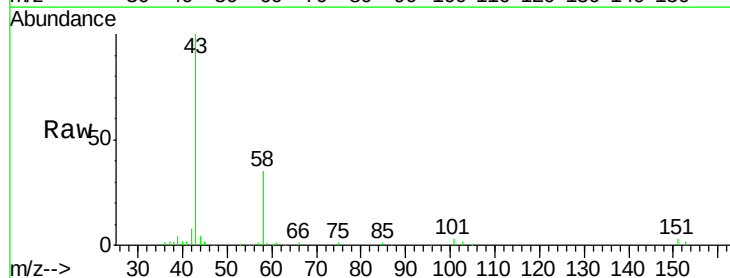
Acq: 4 Feb 2019 15:56

Tgt Ion: 43 Resp: 162834

Ion Ratio Lower Upper

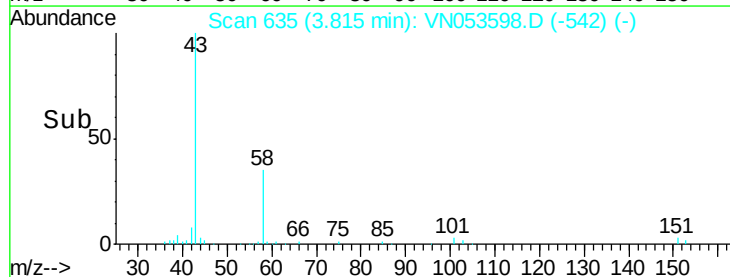
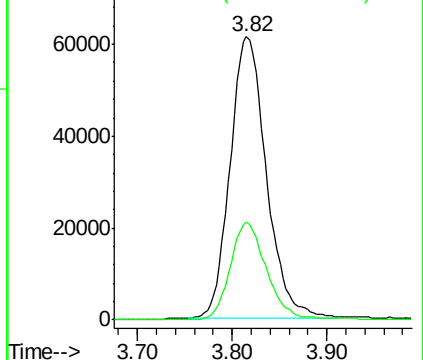
43 100

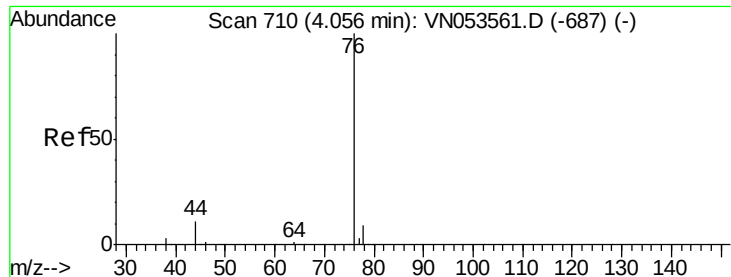
58 34.7 27.1 40.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 17.869 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN053598.D

Acq: 4 Feb 2019 15:56

Instrument :

MSVOA_N

ClientSampleId :

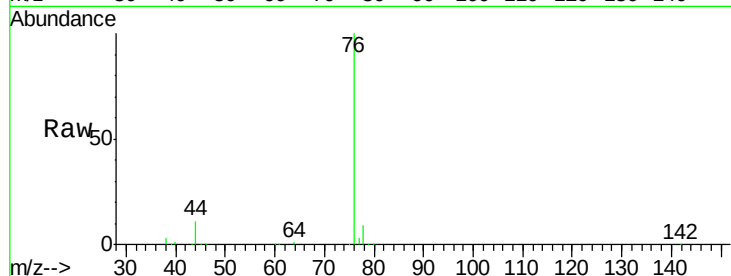
VN0204MBSD01

Tot Ion: 76 Resp: 369484

Ion Ratio Lower Upper

76 100

78 8.9 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.06

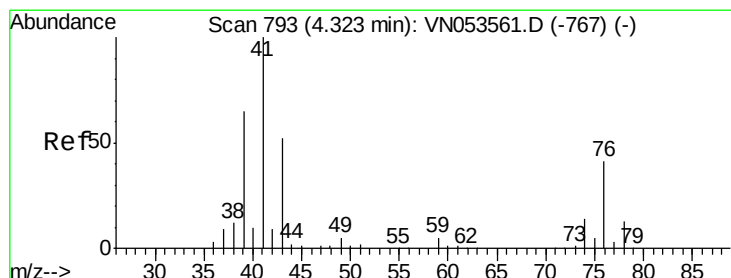
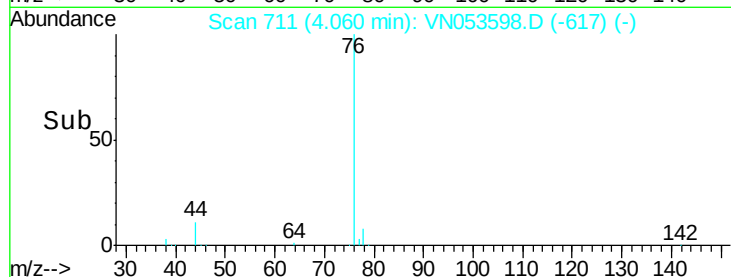
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 21.298 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN053598.D

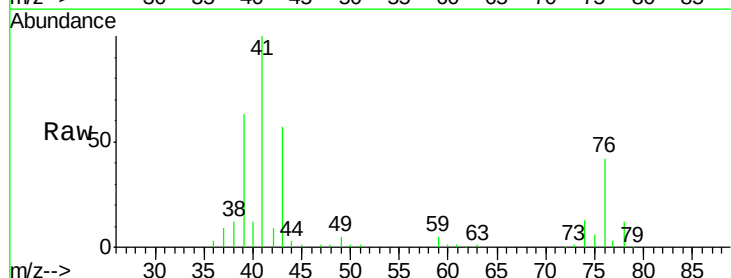
Acq: 4 Feb 2019 15:56

Tgt Ion: 43 Resp: 116391

Ion Ratio Lower Upper

43 100

74 24.0 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.33

40000

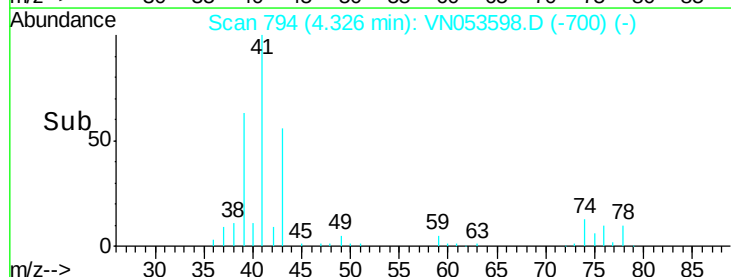
30000

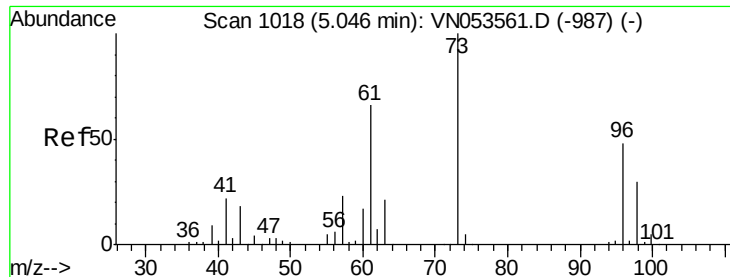
20000

10000

0

Time-->

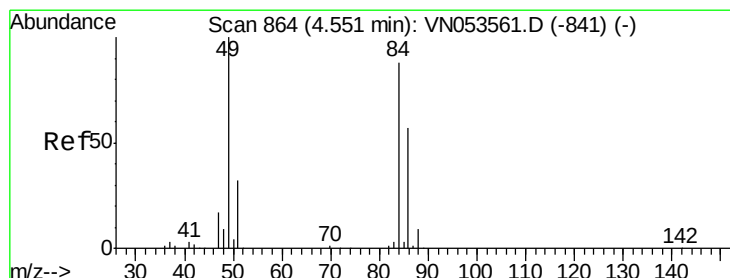
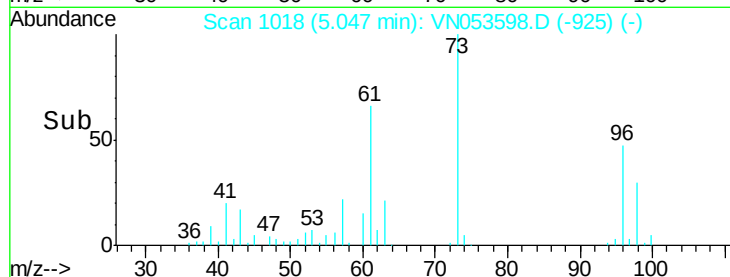
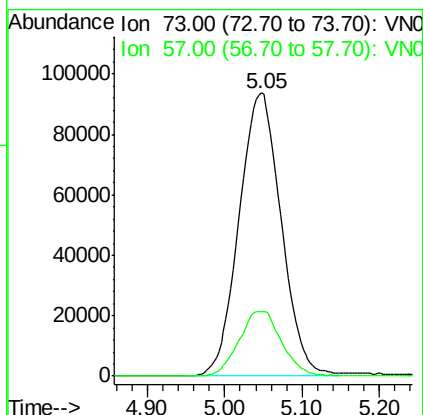
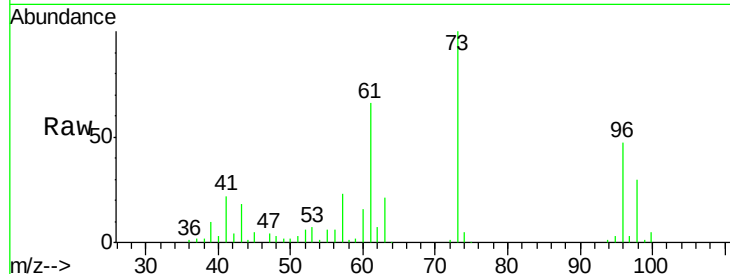




#19
Methvl tert-butvl Ether
Concen: 21.096 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN053598.D
Acq: 4 Feb 2019 15:56

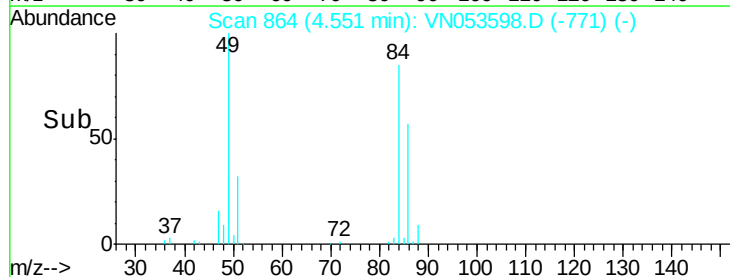
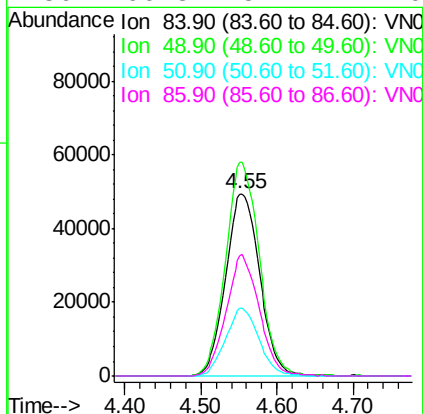
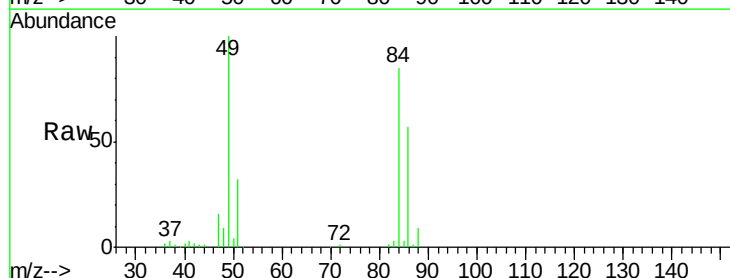
Instrument :
MSVOA_N
ClientSampleId :
VN0204MBSD01

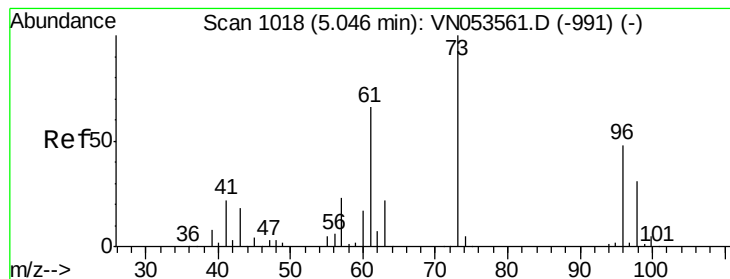
Tot Ion: 73 Resp: 355137
Ion Ratio Lower Upper
73 100
57 22.6 18.3 27.5



#20
Methylene Chloride
Concen: 19.988 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN053598.D
Acq: 4 Feb 2019 15:56

Tgt Ion: 84 Resp: 154741
Ion Ratio Lower Upper
84 100
49 117.1 94.3 141.5
51 36.9 29.4 44.2
86 66.3 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 20.031 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN053598.D

Acq: 4 Feb 2019 15:56

Instrument :

MSVOA_N

ClientSampleId :

VN0204MBSD01

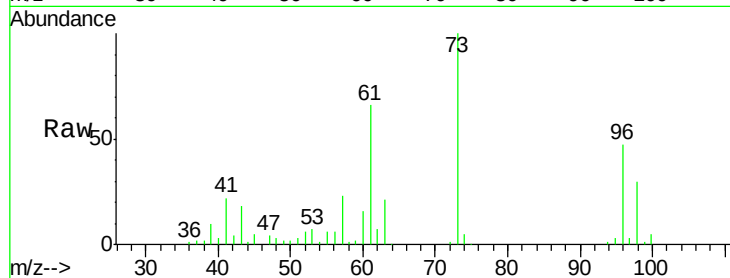
Tot Ion: 96 Resp: 143510

Ion Ratio Lower Upper

96 100

61 138.0 110.1 165.1

98 62.3 50.0 75.0

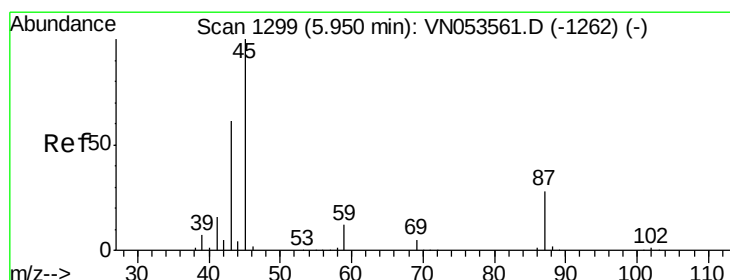
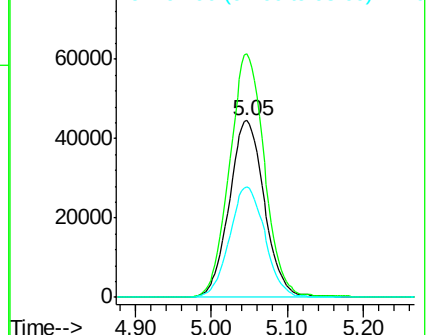
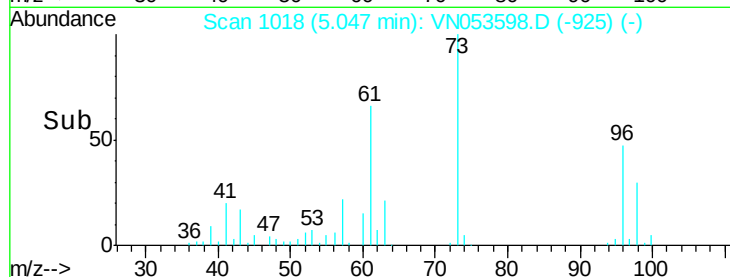


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 21.572 ug/l

RT: 5.95 min Scan# 1299

Delta R.T. 0.00 min

Lab File: VN053598.D

Acq: 4 Feb 2019 15:56

Tgt Ion: 45 Resp: 422636

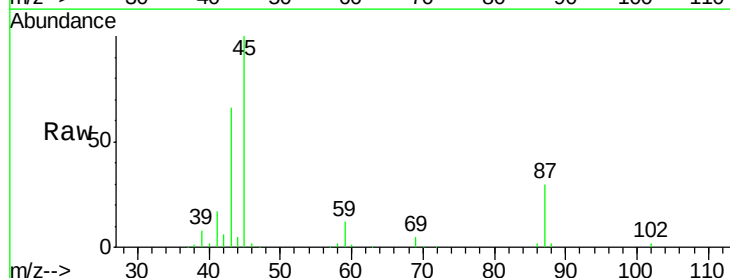
Ion Ratio Lower Upper

45 100

43 63.8 44.2 66.4

87 28.8 22.7 34.1

59 12.1 9.4 14.2



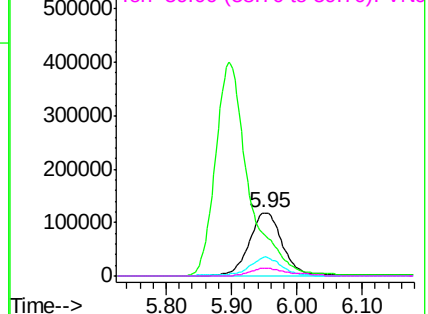
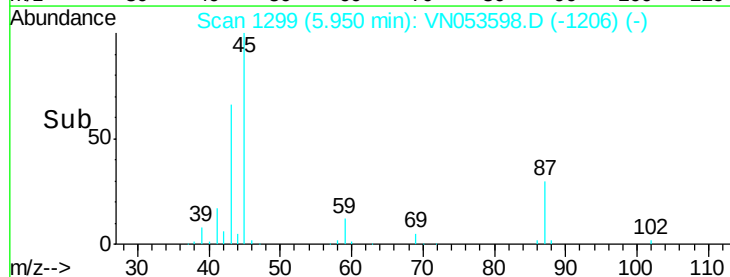
Abundance

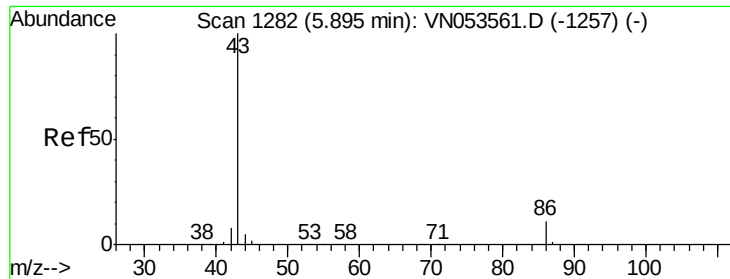
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 105.112 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN053598.D

Acq: 4 Feb 2019 15:56

Instrument :

MSVOA_N

ClientSampleId :

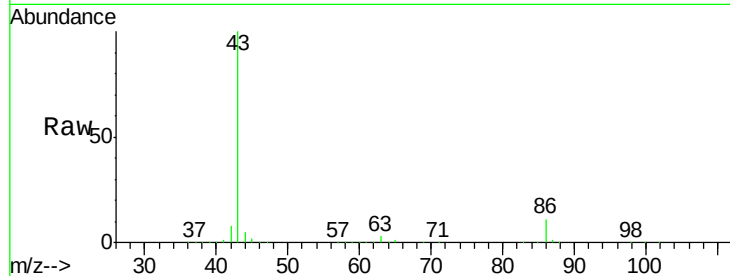
VN0204MBSD01

Tot Ion: 43 Resp: 1424605

Ion Ratio Lower Upper

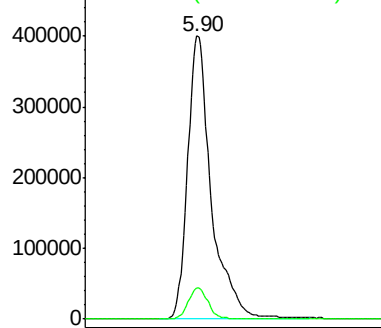
43 100

86 10.9 8.4 12.6

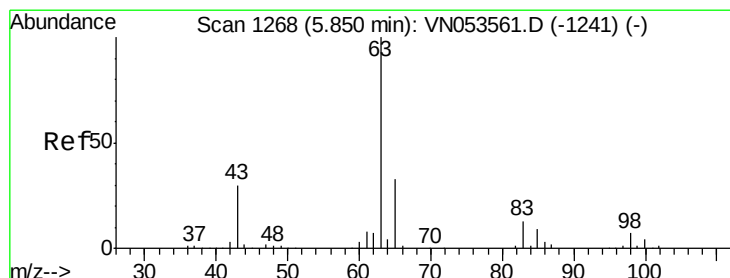
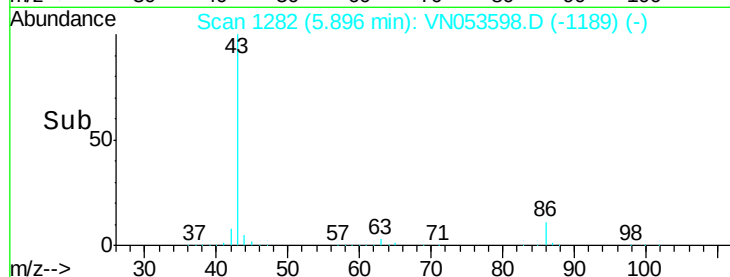


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



Time-->



#24

1,1-Dichloroethane

Concen: 20.371 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN053598.D

Acq: 4 Feb 2019 15:56

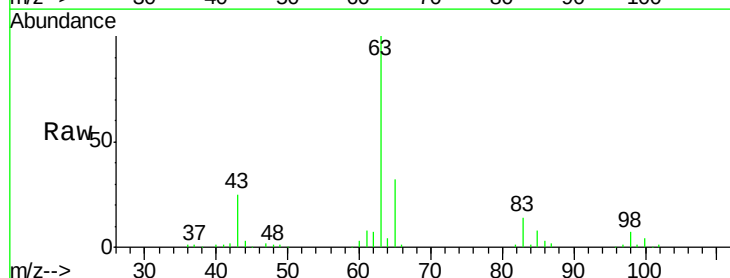
Tgt Ion: 63 Resp: 266195

Ion Ratio Lower Upper

63 100

98 6.8 3.3 9.9

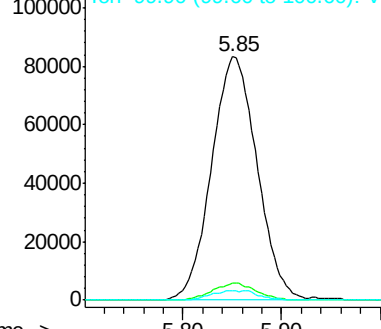
100 4.0 2.1 6.5



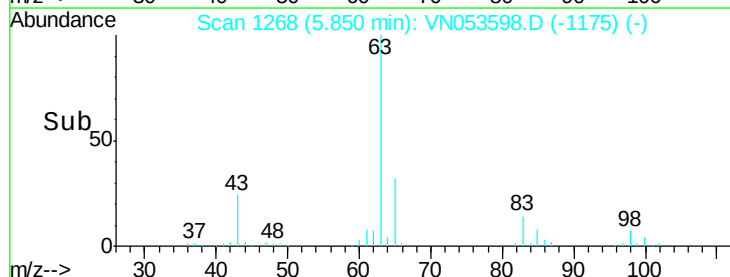
Abundance Ion 62.90 (62.60 to 63.60): VN0

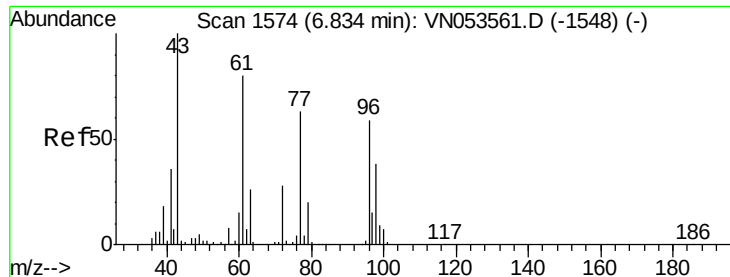
Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0



Time-->

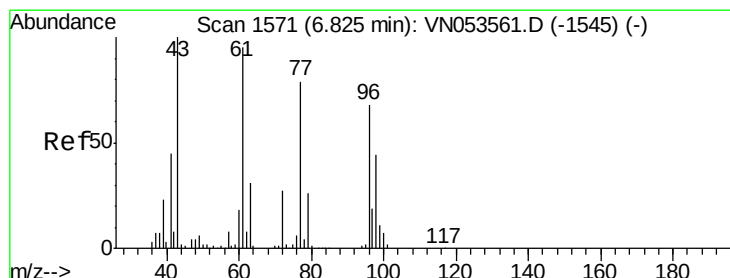
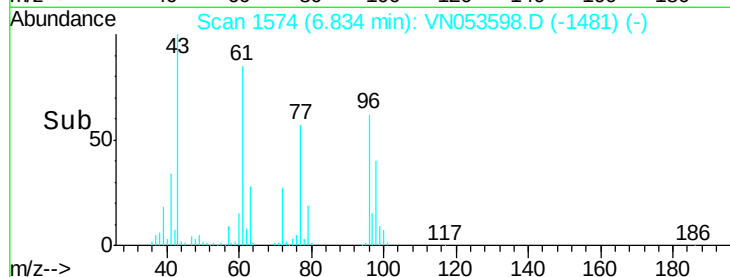
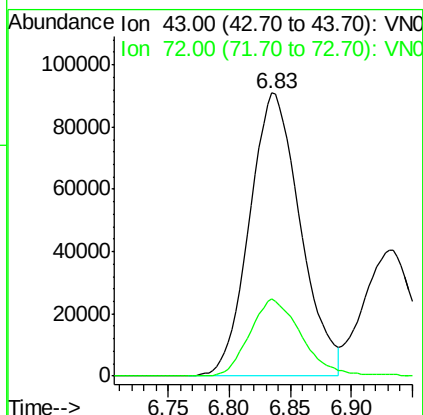
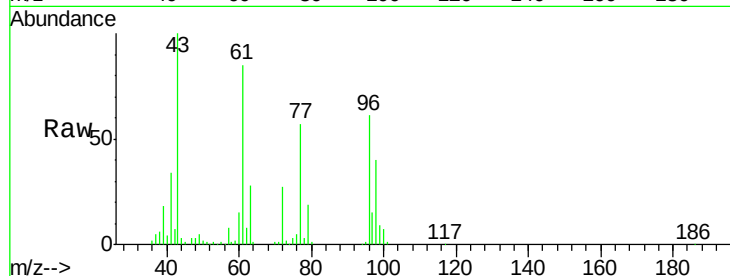




#25
2-Butanone
Concen: 99.568 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VN053598.D
Acq: 4 Feb 2019 15:56

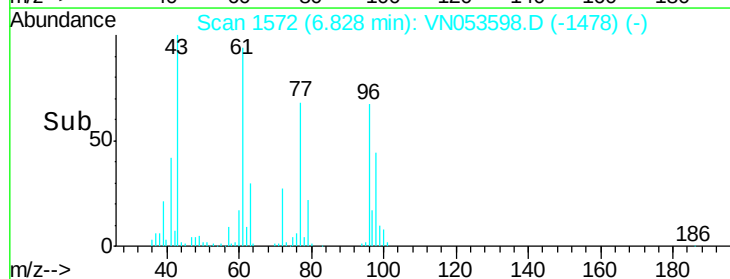
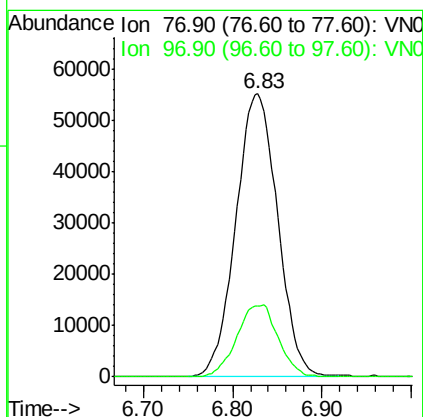
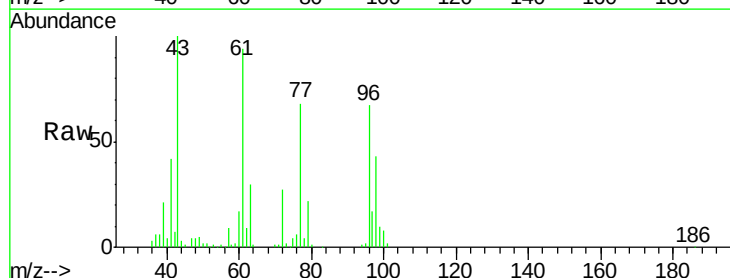
Instrument :
MSVOA_N
ClientSampleId :
VN0204MBSD01

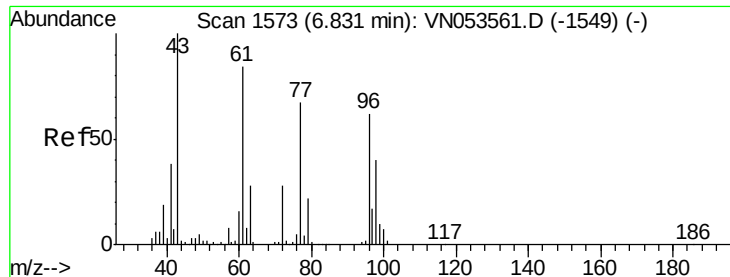
Tot Ion: 43 Resp: 262043
Ion Ratio Lower Upper
43 100
72 27.2 22.0 33.0



#26
2,2-Dichloropropane
Concen: 18.016 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN053598.D
Acq: 4 Feb 2019 15:56

Tgt Ion: 77 Resp: 179713
Ion Ratio Lower Upper
77 100
97 25.2 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 20.630 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN053598.D

Acq: 4 Feb 2019 15:56

Instrument :

MSVOA_N

ClientSampleId :

VN0204MBSD01

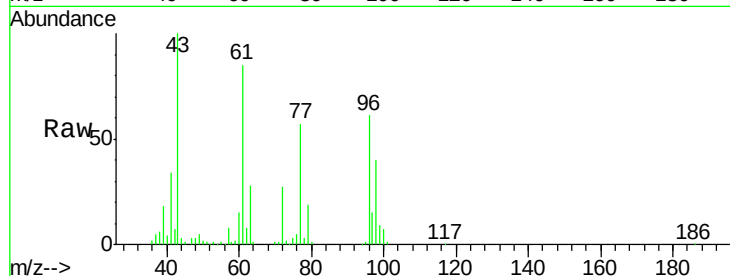
Tot Ion: 96 Resp: 164352

Ion Ratio Lower Upper

96 100

61 139.8 0.0 283.8

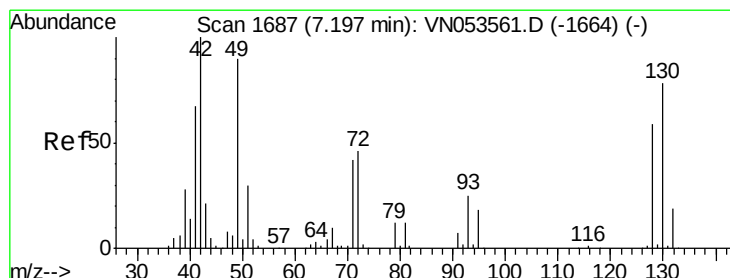
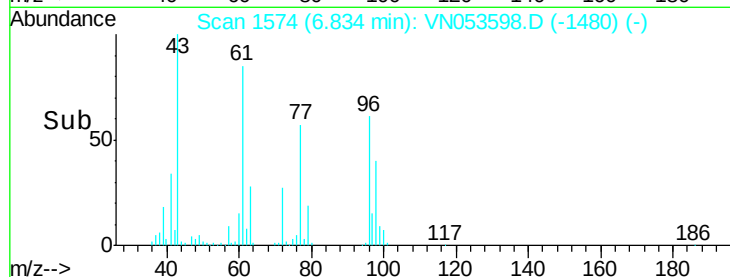
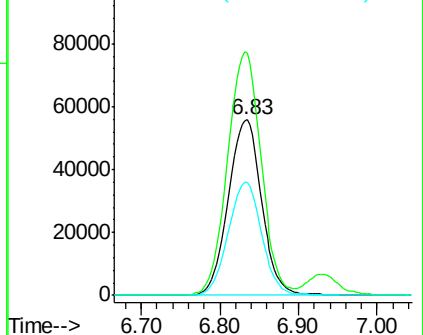
98 64.5 0.0 129.2



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 20.834 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN053598.D

Acq: 4 Feb 2019 15:56

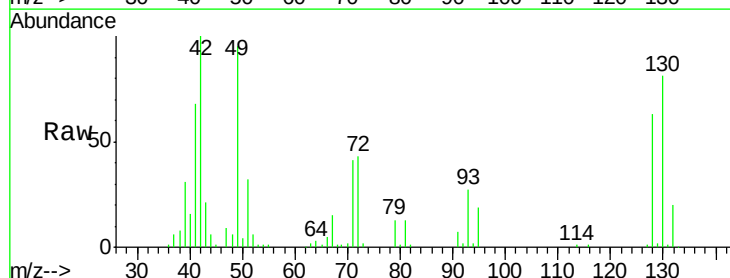
Tgt Ion: 49 Resp: 118142

Ion Ratio Lower Upper

49 100

129 2.2 0.0 4.0

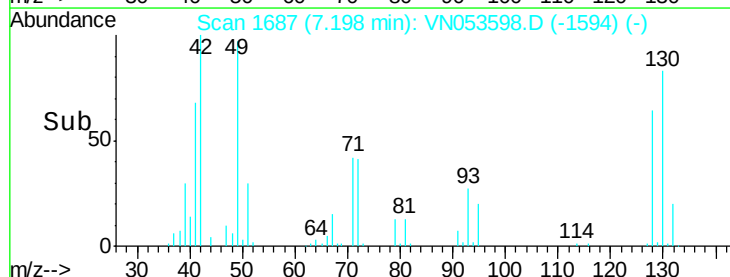
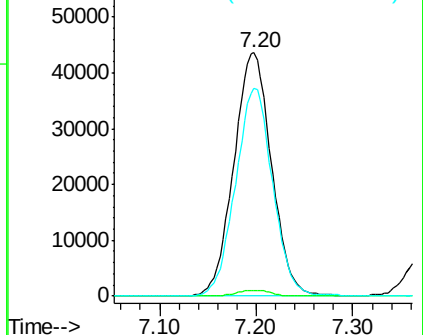
130 84.0 66.3 99.5

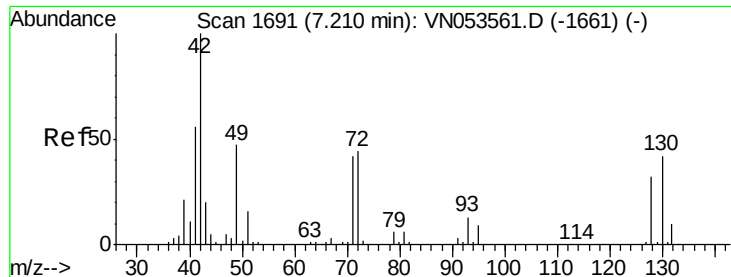


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 107.976 ug/l

RT: 7.21 min Scan# 1692

Delta R.T. 0.00 min

Lab File: VN053598.D

Acq: 4 Feb 2019 15:56

Instrument :

MSVOA_N

ClientSampleId :

VN0204MBSD01

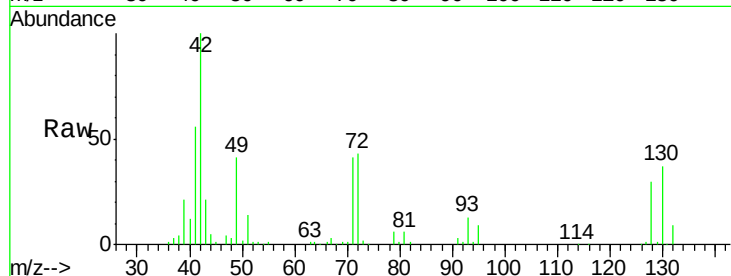
Tot Ion: 42 Resp: 182475

Ion Ratio Lower Upper

42 100

72 44.7 35.2 52.8

71 41.8 33.0 49.4

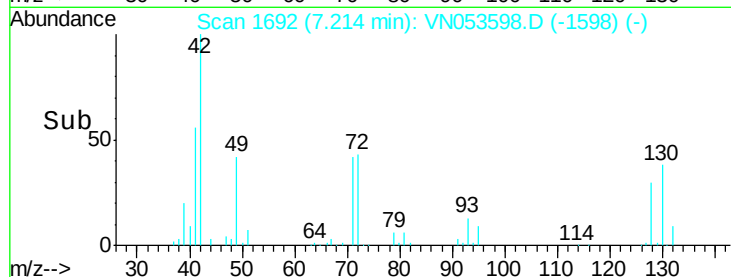


Abundance Ion 42.00 (41.70 to 42.70): VN053561.D (-1661) (-)

Ion 72.00 (71.70 to 72.70): VN053561.D (-1661) (-)

Ion 71.00 (70.70 to 71.70): VN053561.D (-1661) (-)

Time-->

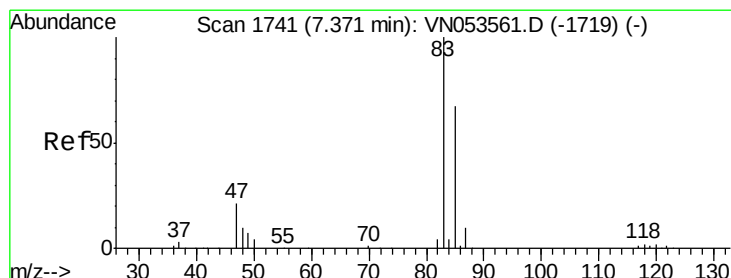


Abundance Ion 42.00 (41.70 to 42.70): VN053598.D (-1598) (-)

Ion 72.00 (71.70 to 72.70): VN053598.D (-1598) (-)

Ion 71.00 (70.70 to 71.70): VN053598.D (-1598) (-)

Time-->



#30

Chloroform

Concen: 20.302 ug/l

RT: 7.37 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VN053598.D

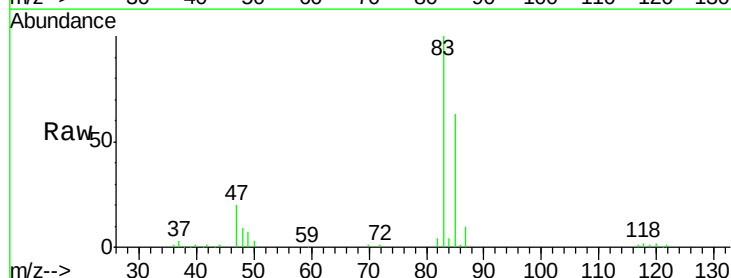
Acq: 4 Feb 2019 15:56

Tgt Ion: 83 Resp: 262981

Ion Ratio Lower Upper

83 100

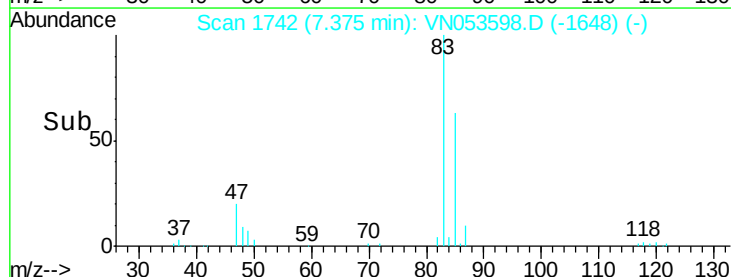
85 62.9 52.2 78.2



Abundance Ion 82.90 (82.60 to 83.60): VN053561.D (-1719) (-)

Ion 84.90 (84.60 to 85.60): VN053561.D (-1719) (-)

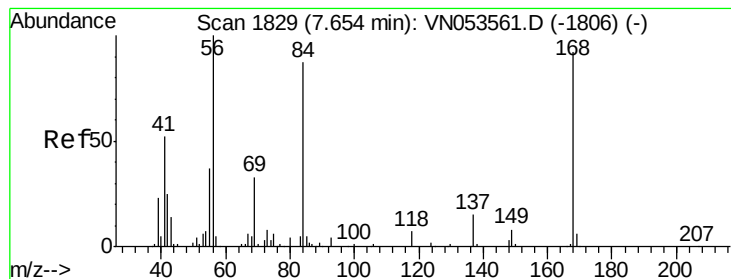
Time-->



Abundance Ion 82.90 (82.60 to 83.60): VN053598.D (-1648) (-)

Ion 84.90 (84.60 to 85.60): VN053598.D (-1648) (-)

Time-->



#31

Cyclohexane

Concen: 19.773 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN053598.D

Acq: 4 Feb 2019 15:56

Instrument :

MSVOA_N

ClientSampled :

VN0204MBSD01

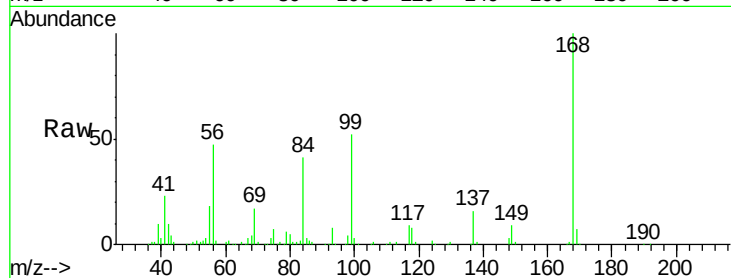
Tot Ion: 56 Resp: 241811

Ion Ratio Lower Upper

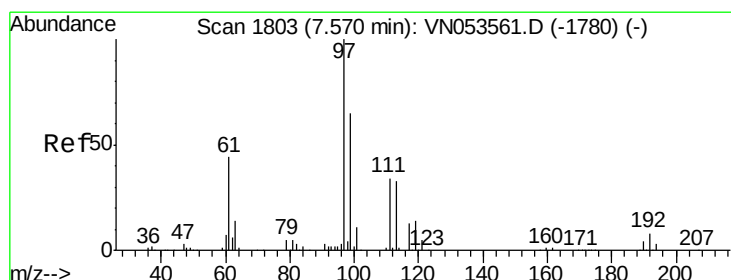
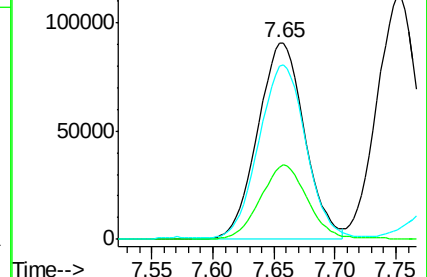
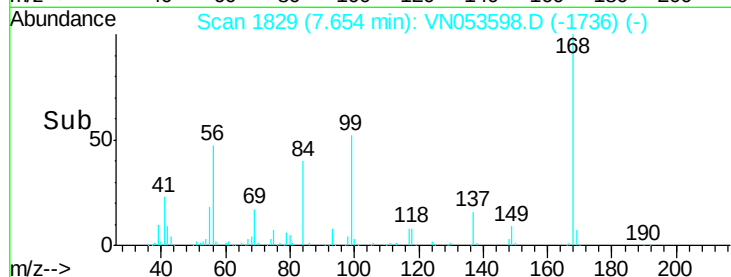
56 100

69 36.9 26.4 39.6

84 86.9 67.9 101.9



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



#32

1,1,1-Trichloroethane

Concen: 19.825 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN053598.D

Acq: 4 Feb 2019 15:56

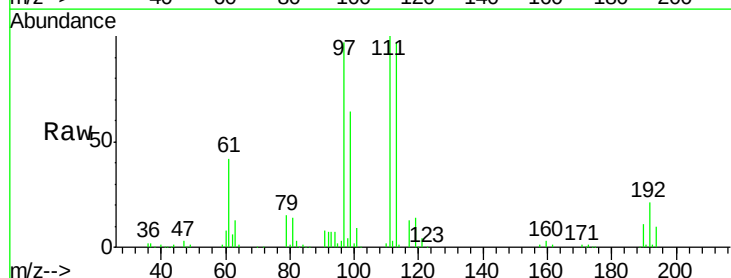
Tgt Ion: 97 Resp: 213715

Ion Ratio Lower Upper

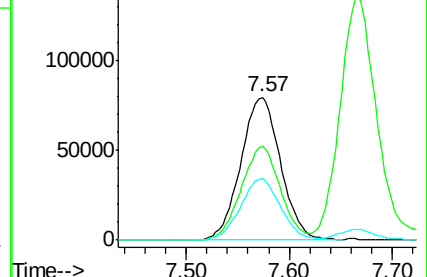
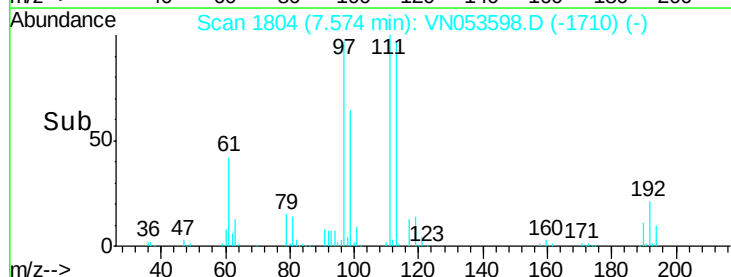
97 100

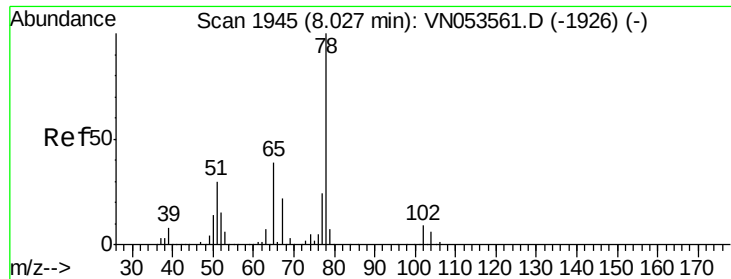
99 64.6 52.0 78.0

61 43.4 34.4 51.6



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

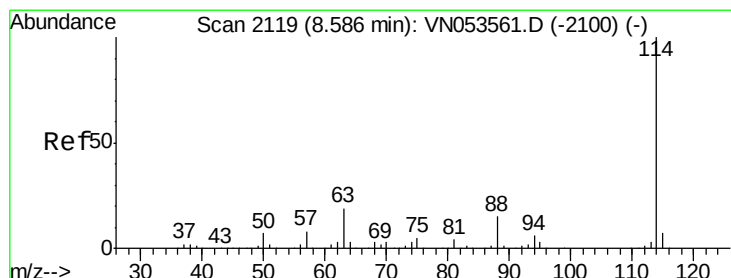
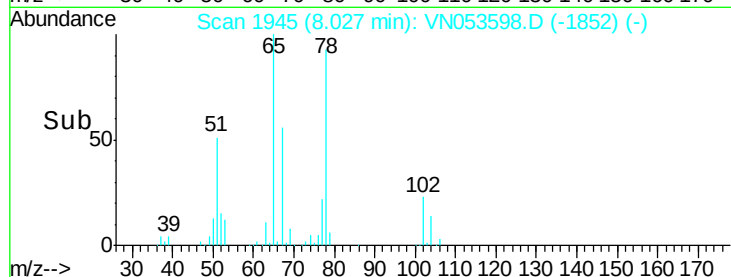
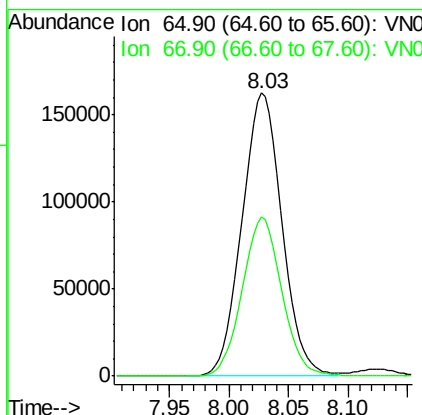
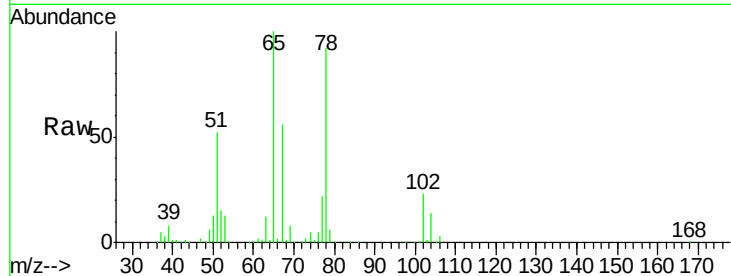




#33
 1,2-Dichloroethane-d4
 Concen: 19.825 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN053598.D
 Acq: 4 Feb 2019 15:56

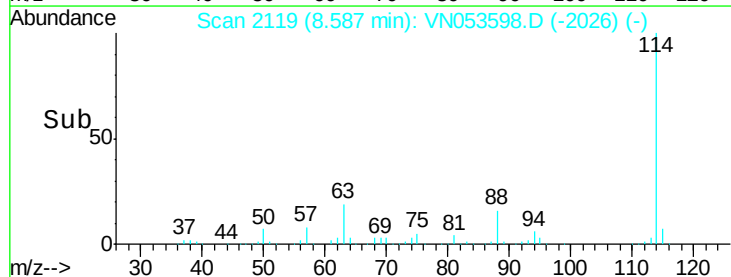
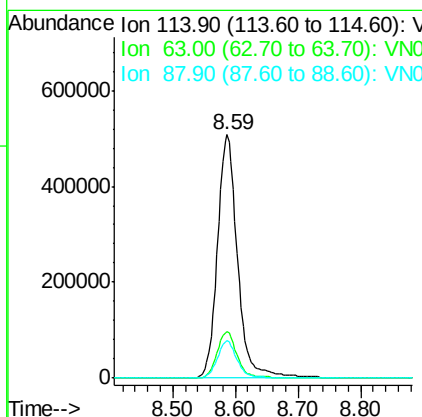
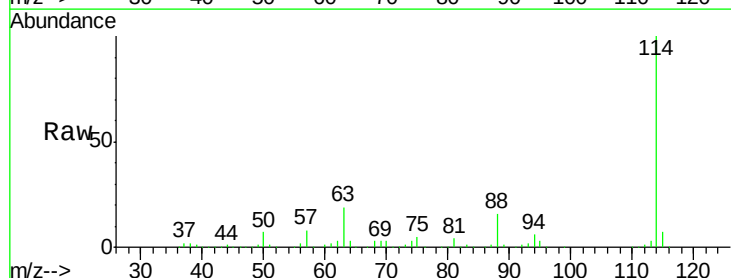
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0204MBSD01

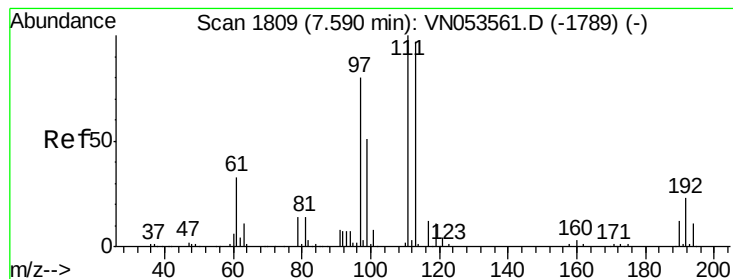
Tot Ion: 65 Resp: 378494
 Ion Ratio Lower Upper
 65 100
 67 55.6 0.0 111.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053598.D
 Acq: 4 Feb 2019 15:56

Tgt Ion: 114 Resp: 1132549
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 38.6
 88 15.5 0.0 30.4





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN053598.D

Acq: 4 Feb 2019 15:56

Instrument :

MSVOA_N

ClientSampleId :

VN0204MBSD01

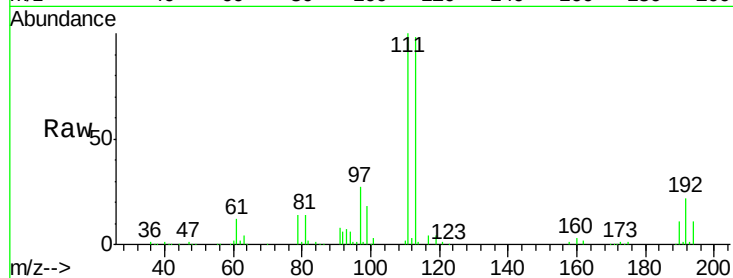
Tot Ion:113 Resp: 360154

Ion Ratio Lower Upper

113 100

111 102.2 81.1 121.7

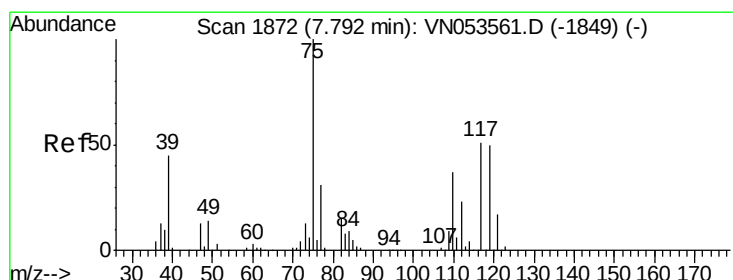
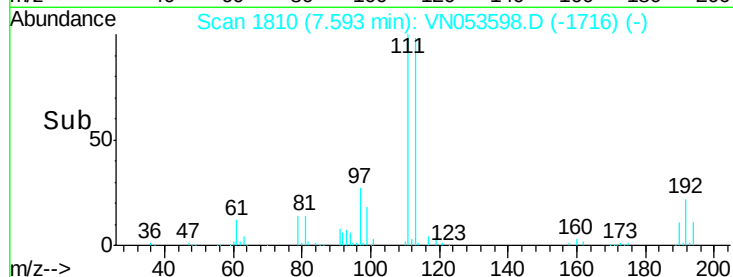
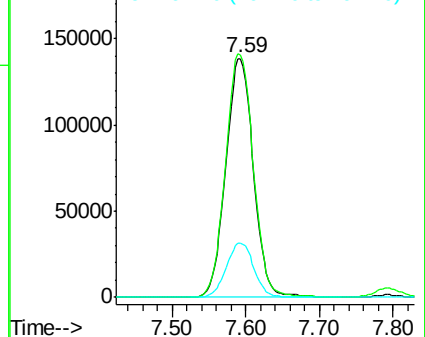
192 22.7 18.2 27.2



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: 19.348 ug/l

RT: 7.79 min Scan# 1872

Delta R.T. 0.00 min

Lab File: VN053598.D

Acq: 4 Feb 2019 15:56

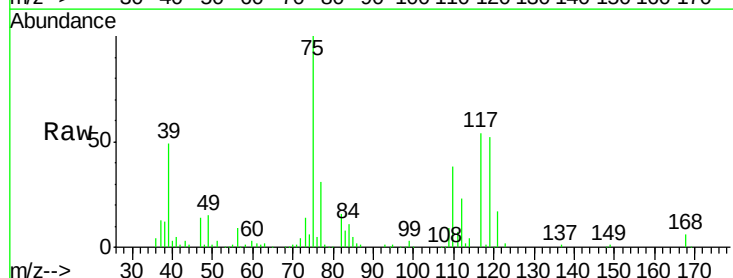
Tgt Ion: 75 Resp: 197533

Ion Ratio Lower Upper

75 100

110 37.5 18.1 54.3

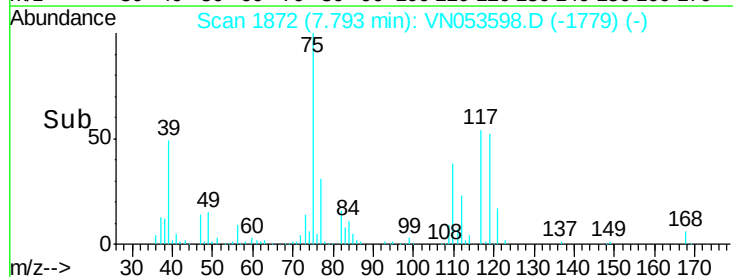
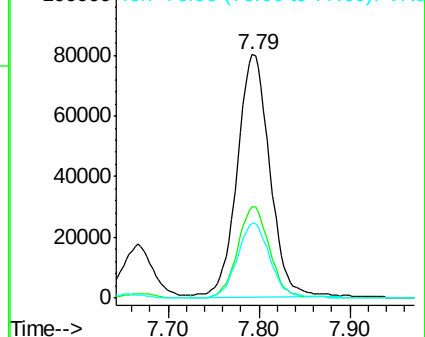
77 30.6 25.1 37.7

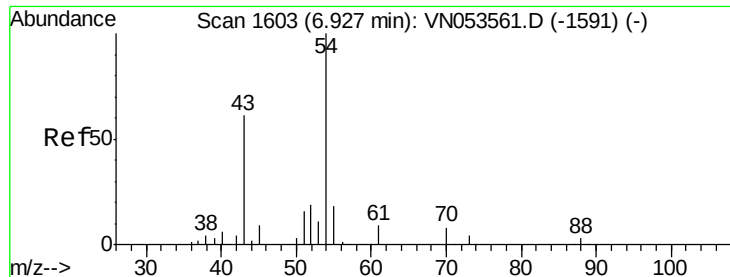


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

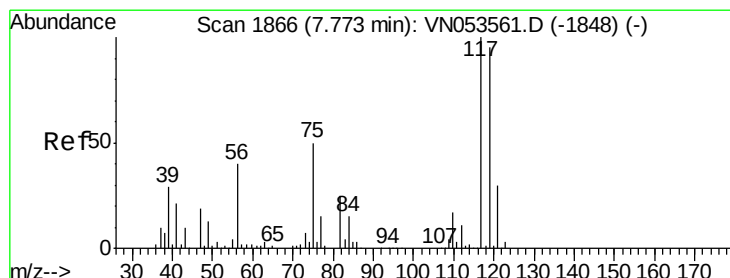
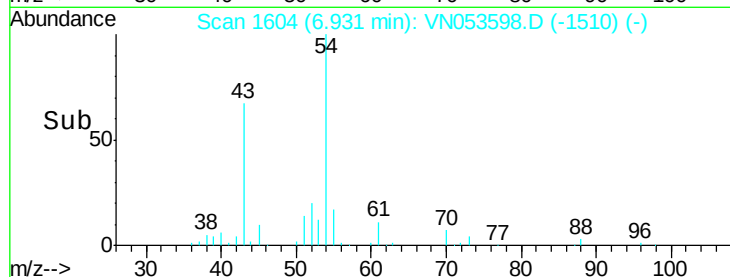
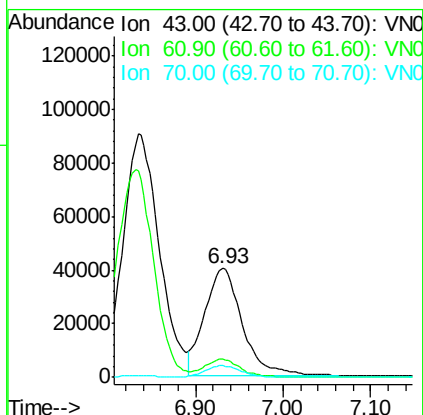
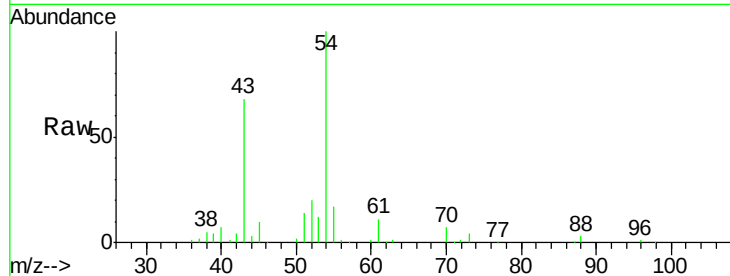




#37
Ethyl Acetate
Concen: 21.231 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN053598.D
Acq: 4 Feb 2019 15:56

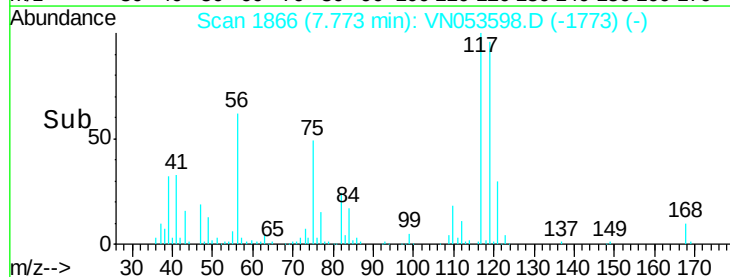
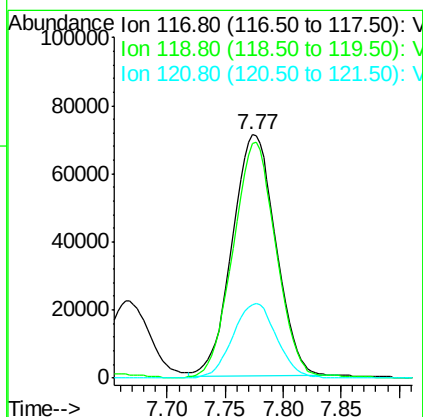
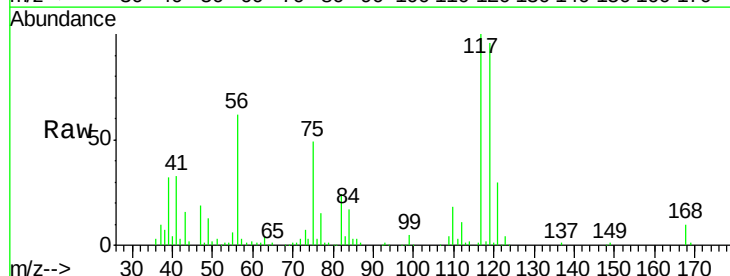
Instrument :
MSVOA_N
ClientSampled :
VN0204MBSD01

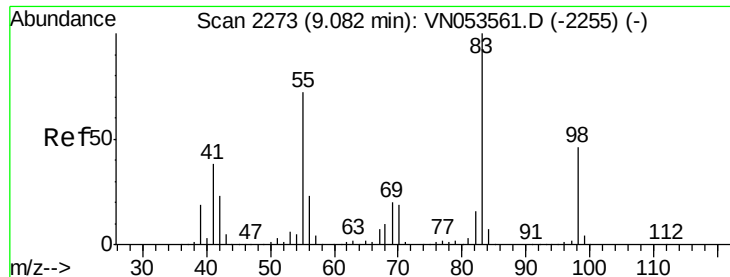
Tot Ion: 43 Resp: 121057
Ion Ratio Lower Upper
43 100
61 15.1 11.8 17.6
70 10.4 8.6 12.8



#38
Carbon Tetrachloride
Concen: 18.071 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN053598.D
Acq: 4 Feb 2019 15:56

Tgt Ion: 117 Resp: 185859
Ion Ratio Lower Upper
117 100
119 96.7 77.2 115.8
121 30.3 24.6 37.0

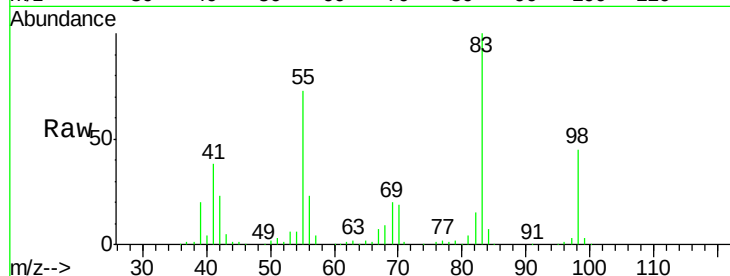




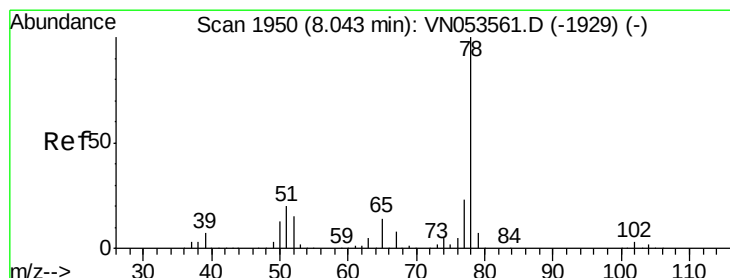
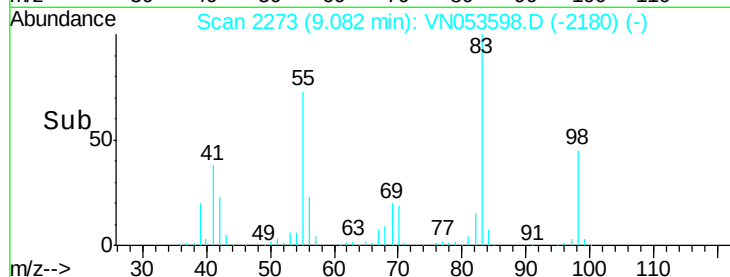
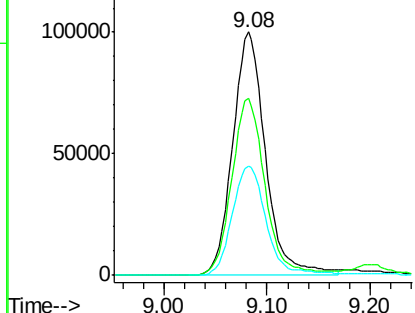
#39
Methylvlcyclohexane
Concen: 18.329 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN053598.D
Acq: 4 Feb 2019 15:56

Instrument :
MSVOA_N
ClientSampled :
VN0204MBSD01

Tot Ion: 83 Resp: 222000
Ion Ratio Lower Upper
83 100
55 72.6 60.1 90.1
98 45.0 36.6 55.0

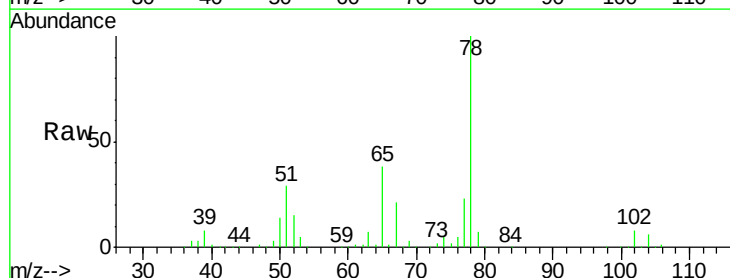


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

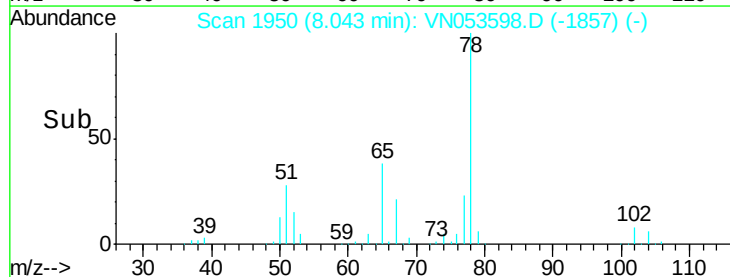
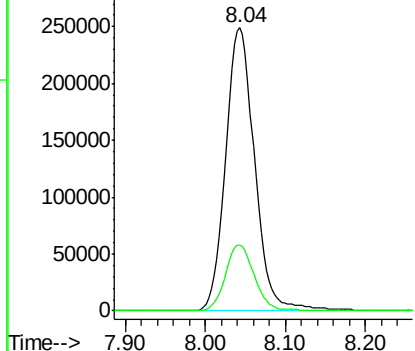


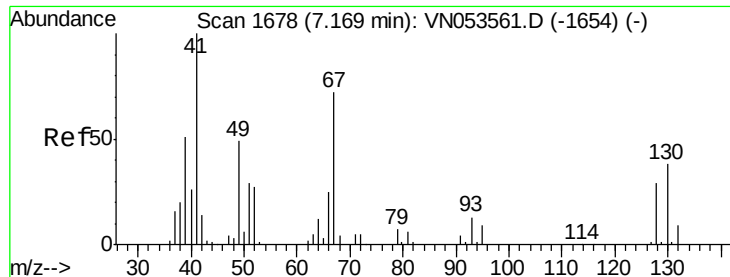
#40
Benzene
Concen: 19.581 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053598.D
Acq: 4 Feb 2019 15:56

Tgt Ion: 78 Resp: 616461
Ion Ratio Lower Upper
78 100
77 23.4 18.8 28.2



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





#41

Methacrylonitrile

Concen: 15.769 ug/l

RT: 7.17 min Scan# 1678

Delta R.T. 0.00 min

Lab File: VN053598.D

Acq: 4 Feb 2019 15:56

Instrument :

MSVOA_N

ClientSampleId :

VN0204MBSD01

Tot Ion: 41 Resp: 50253

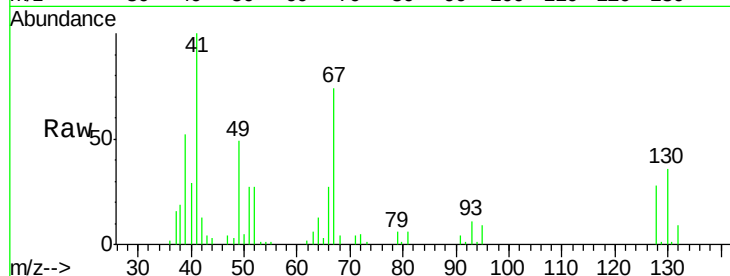
Ion Ratio Lower Upper

41 100

39 72.6 46.8 70.2#

67 115.2 63.0 94.6#

52 44.9 23.8 35.8#

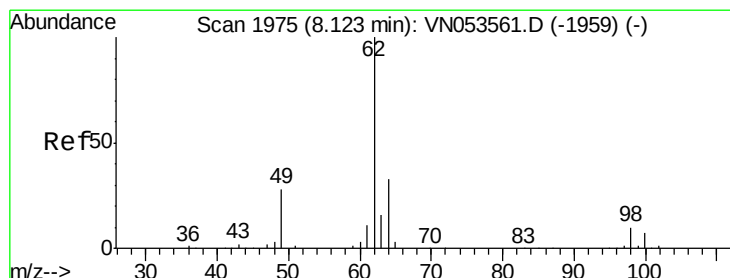
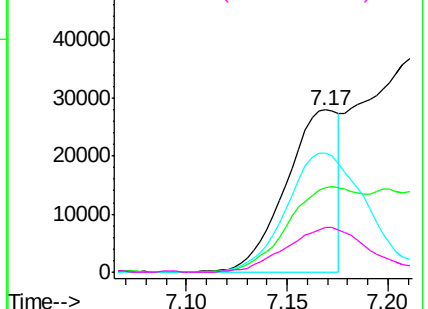
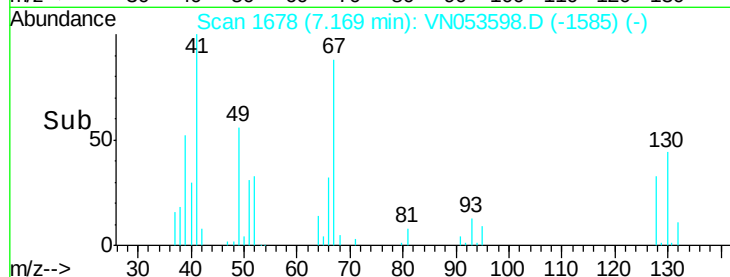


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#42

1,2-Dichloroethane

Concen: 19.497 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

Lab File: VN053598.D

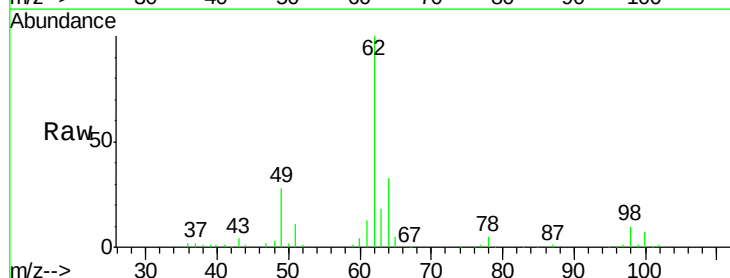
Acq: 4 Feb 2019 15:56

Tgt Ion: 62 Resp: 182257

Ion Ratio Lower Upper

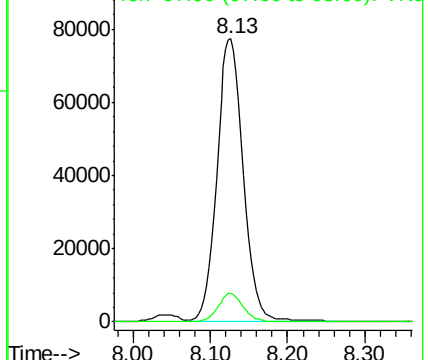
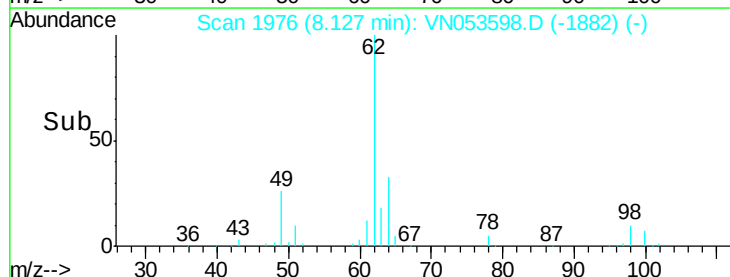
62 100

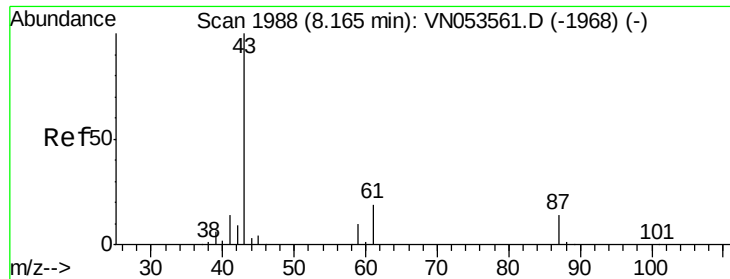
98 9.7 0.0 19.6



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 19.783 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN053598.D

Acq: 4 Feb 2019 15:56

Instrument :

MSVOA_N

ClientSampleId :

VN0204MBSD01

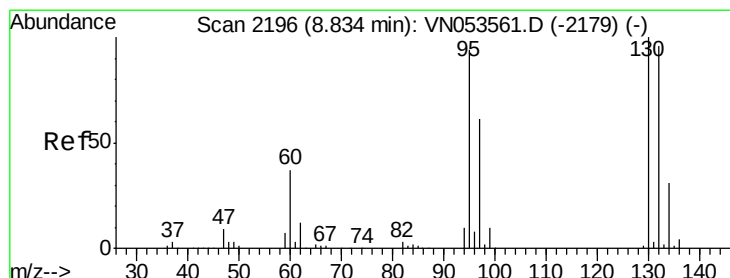
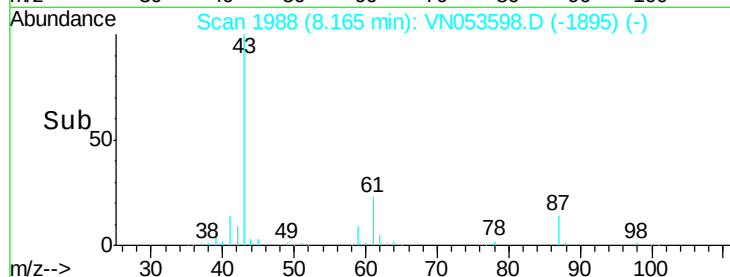
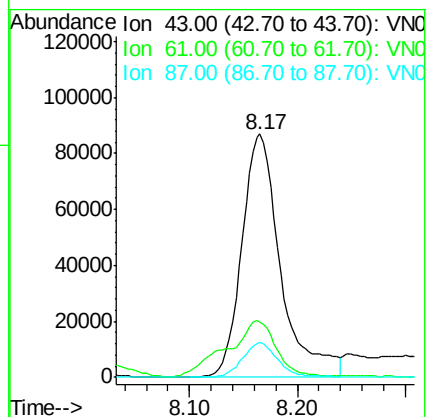
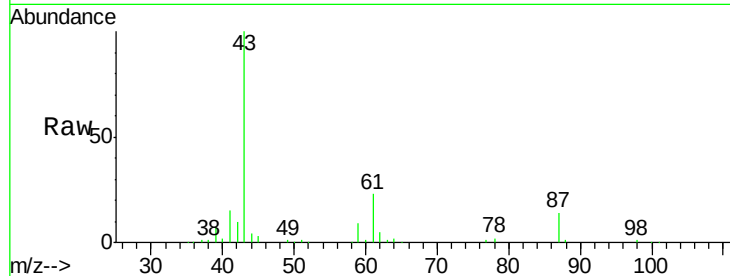
Tot Ion: 43 Resp: 217843

Ion Ratio Lower Upper

43 100

61 29.5 23.9 35.9

87 12.8 11.0 16.6



#44

Trichloroethene

Concen: 19.010 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN053598.D

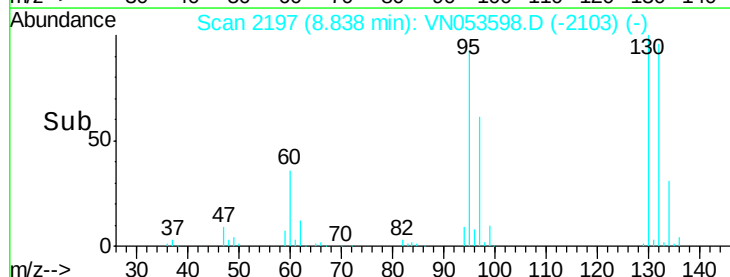
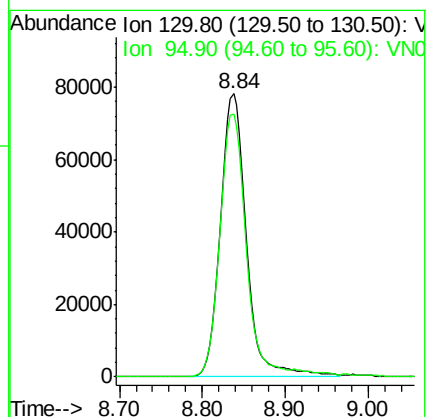
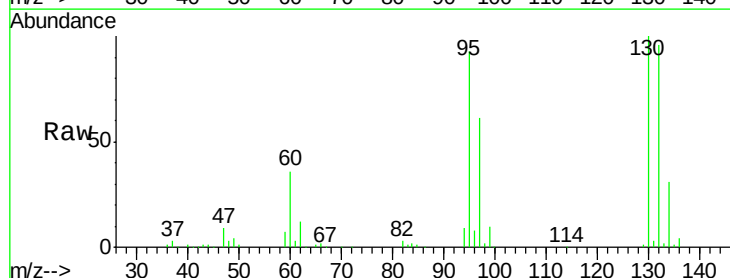
Acq: 4 Feb 2019 15:56

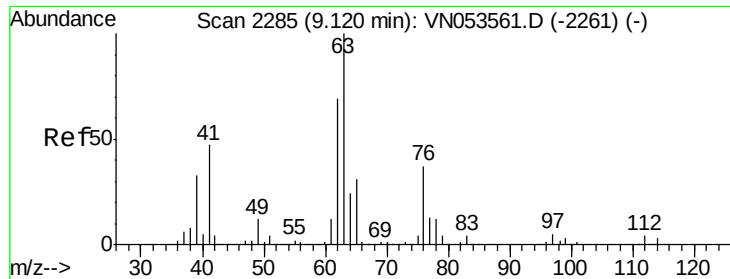
Tgt Ion: 130 Resp: 170382

Ion Ratio Lower Upper

130 100

95 92.7 0.0 191.4

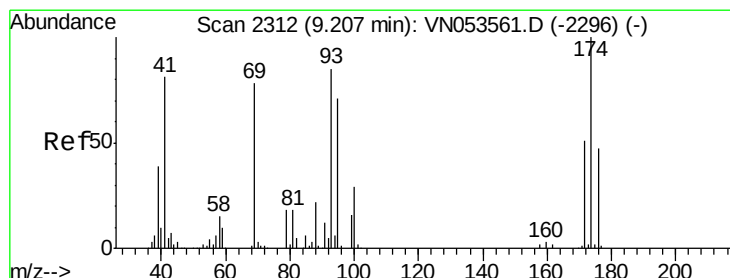
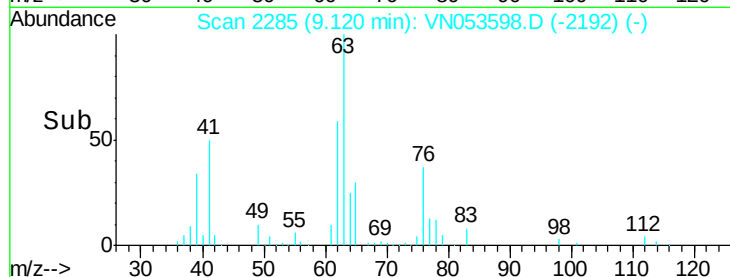
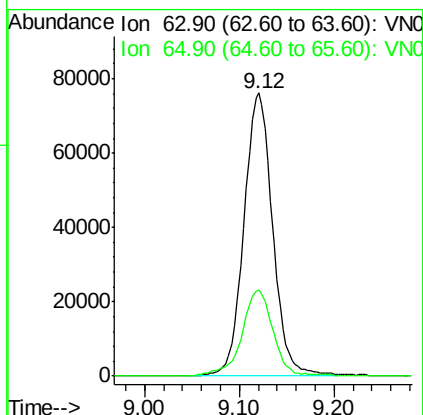
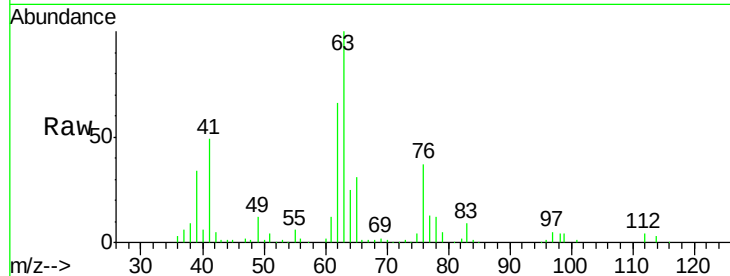




#45
 1,2-Dichloropropane
 Concen: 20.030 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN053598.D
 Acq: 4 Feb 2019 15:56

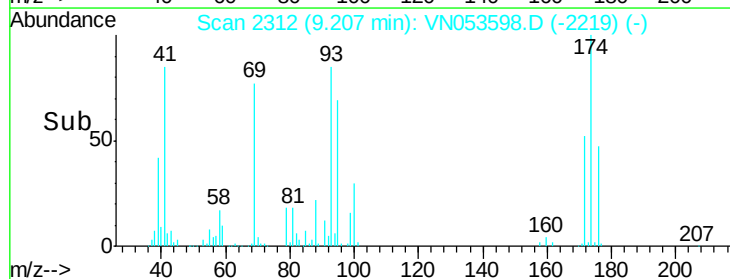
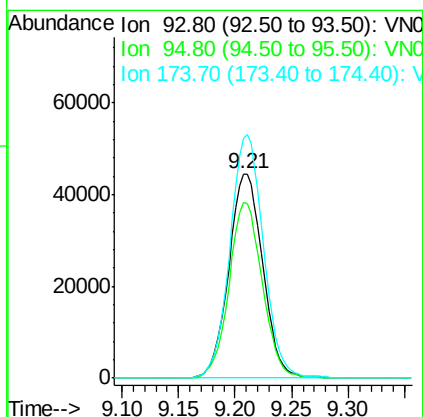
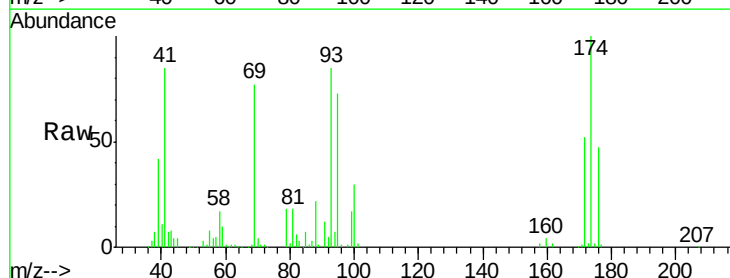
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0204MBSD01

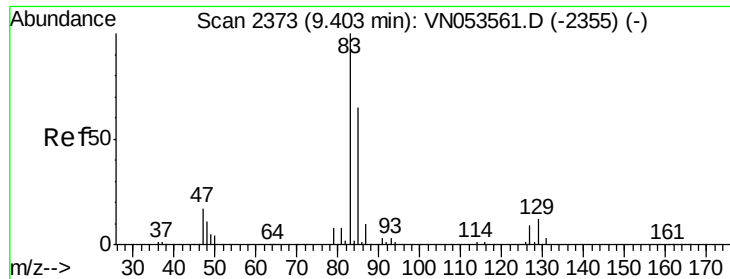
Tot Ion: 63 Resp: 161293
 Ion Ratio Lower Upper
 63 100
 65 30.5 25.0 37.4



#46
 Dibromomethane
 Concen: 19.220 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN053598.D
 Acq: 4 Feb 2019 15:56

Tgt Ion: 93 Resp: 93298
 Ion Ratio Lower Upper
 93 100
 95 84.1 67.3 100.9
 174 117.2 91.0 136.4

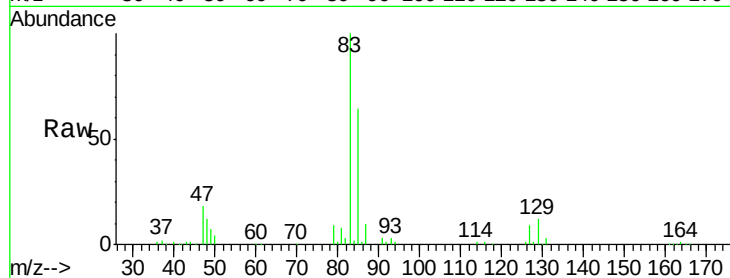




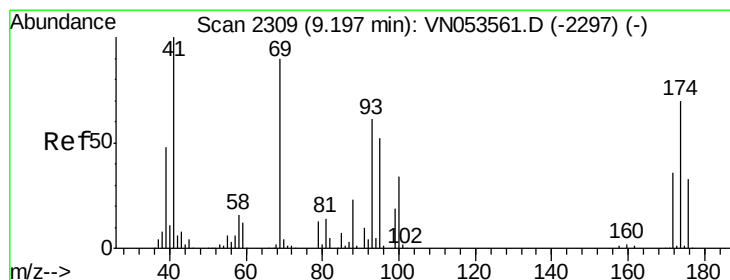
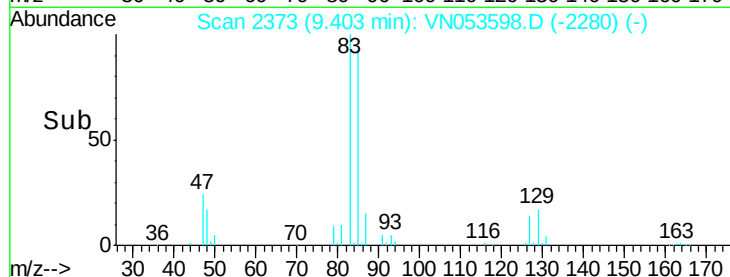
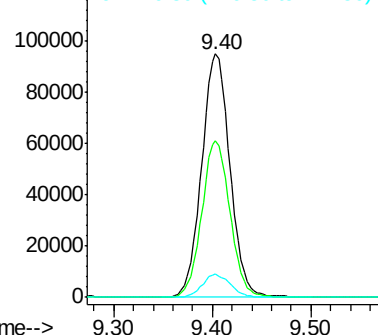
#47
Bromodichloromethane
Concen: 18.821 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN053598.D
Acq: 4 Feb 2019 15:56

Instrument :
MSVOA_N
ClientSampleId :
VN0204MBSD01

Tot Ion: 83 Resp: 189954
Ion Ratio Lower Upper
83 100
85 64.3 51.0 76.6
127 9.5 7.0 10.6

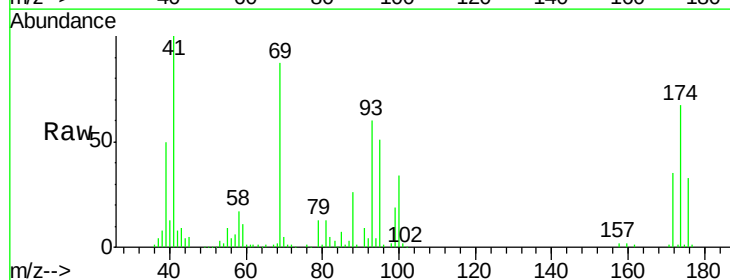


Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): VN0

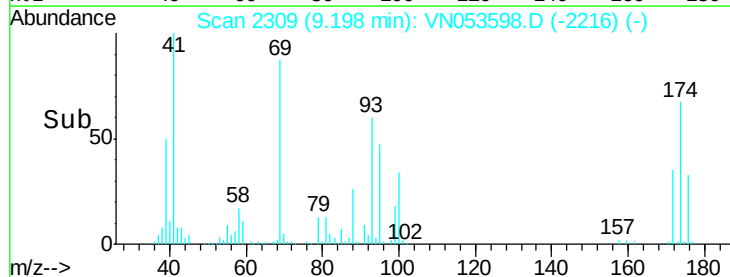
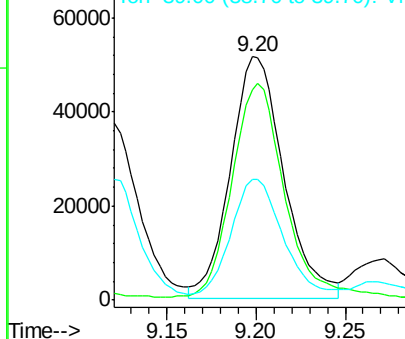


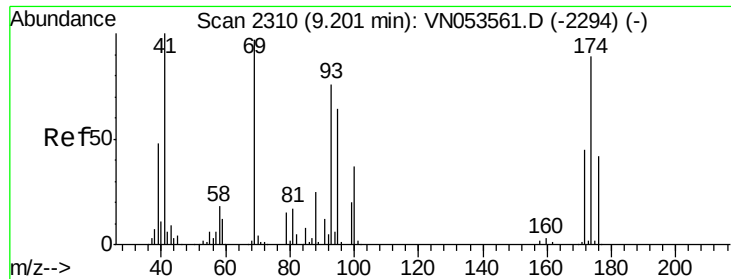
#48
Methyl methacrylate
Concen: 20.395 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN053598.D
Acq: 4 Feb 2019 15:56

Tgt Ion: 41 Resp: 107203
Ion Ratio Lower Upper
41 100
69 89.2 73.8 110.6
39 49.6 40.0 60.0



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





#49

1,4-Dioxane

Concen: 421.586 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN053598.D

Acq: 4 Feb 2019 15:56

Instrument :

MSVOA_N

ClientSampleId :

VN0204MBSD01

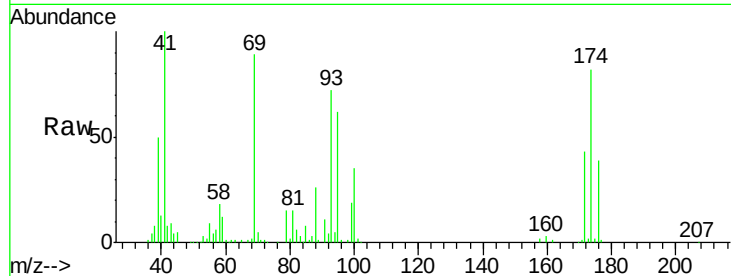
Tot Ion: 88 Resp: 30317

Ion Ratio Lower Upper

88 100

43 25.3 27.8 41.6#

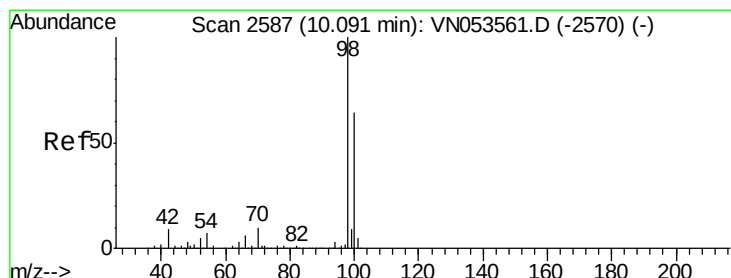
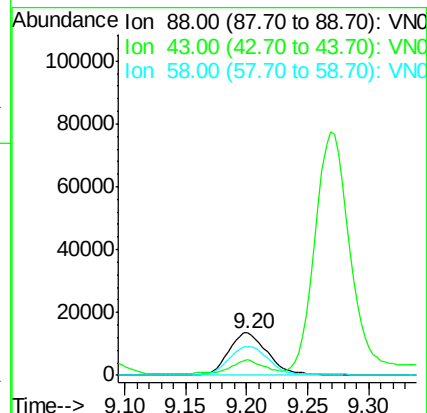
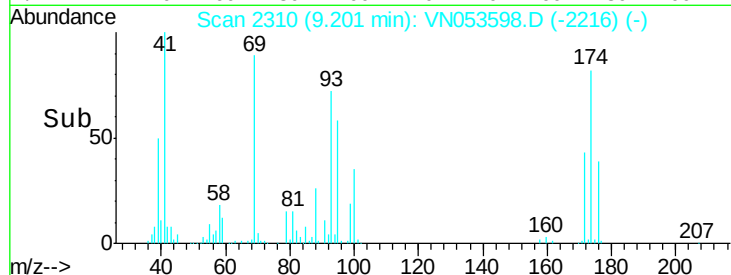
58 69.3 56.5 84.7



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: 421.586 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053598.D

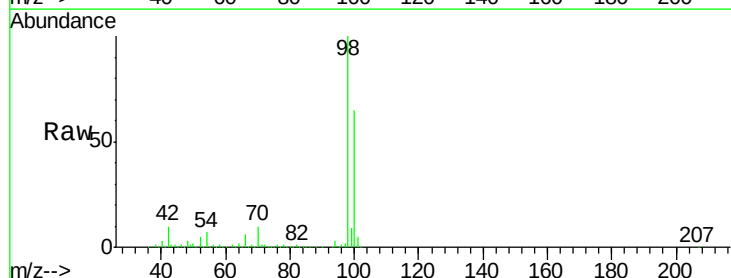
Acq: 4 Feb 2019 15:56

Tgt Ion: 98 Resp: 1331296

Ion Ratio Lower Upper

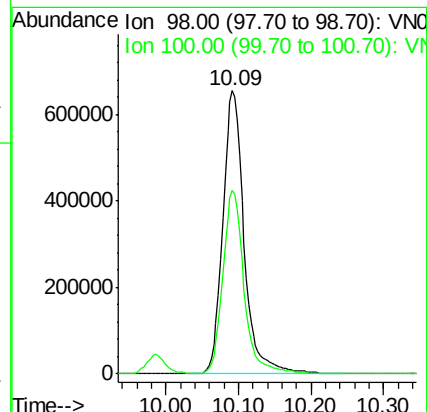
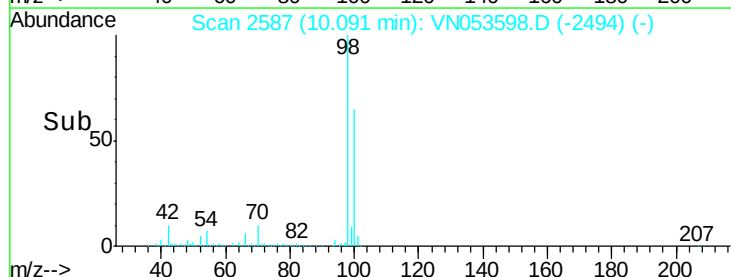
98 100

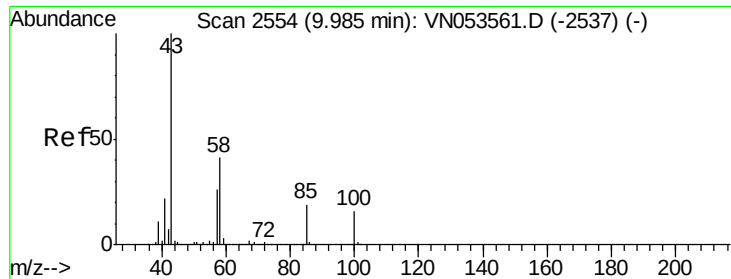
100 64.9 51.4 77.0



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: 101.376 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN053598.D

Acq: 4 Feb 2019 15:56

Instrument :

MSVOA_N

ClientSampleId :

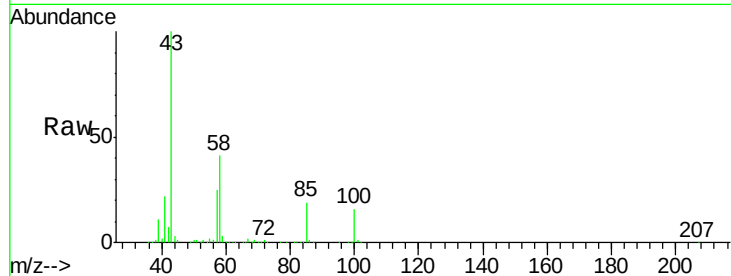
VN0204MBSD01

Tot Ion: 43 Resp: 548559

Ion Ratio Lower Upper

43 100

58 41.3 32.8 49.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.99

300000

250000

200000

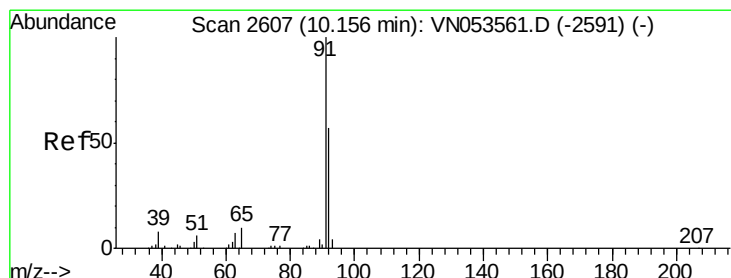
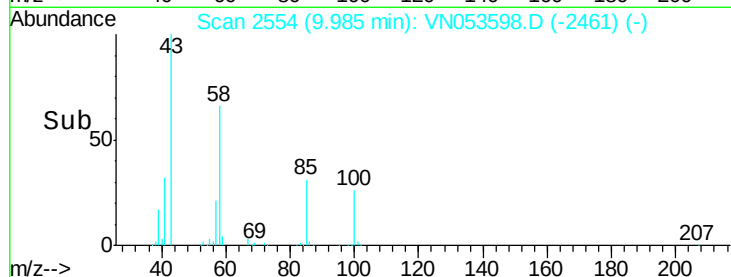
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 19.823 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN053598.D

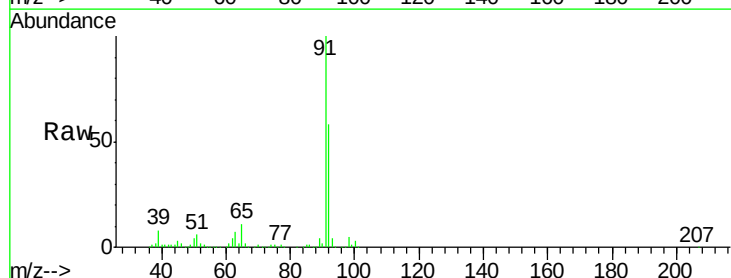
Acq: 4 Feb 2019 15:56

Tgt Ion: 92 Resp: 370388

Ion Ratio Lower Upper

92 100

91 174.1 139.9 209.9



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.16

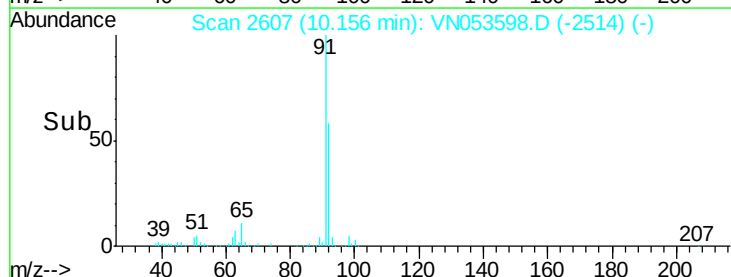
300000

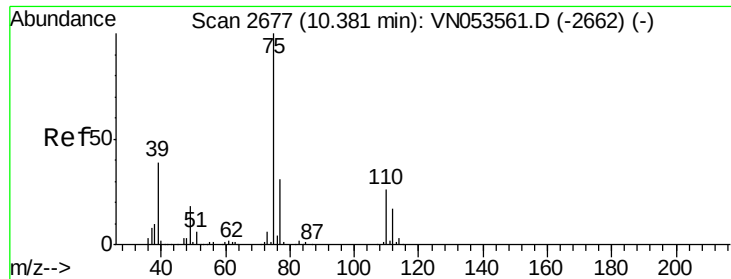
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 18.227 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN053598.D

Acq: 4 Feb 2019 15:56

Instrument :

MSVOA_N

ClientSampled :

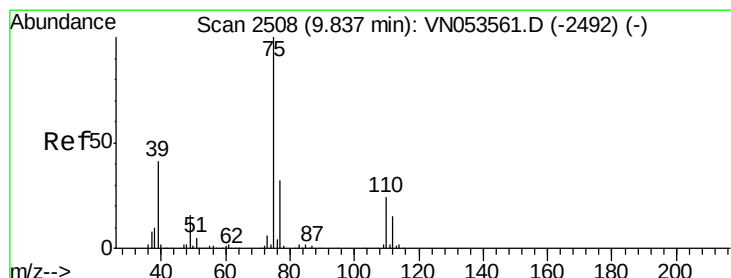
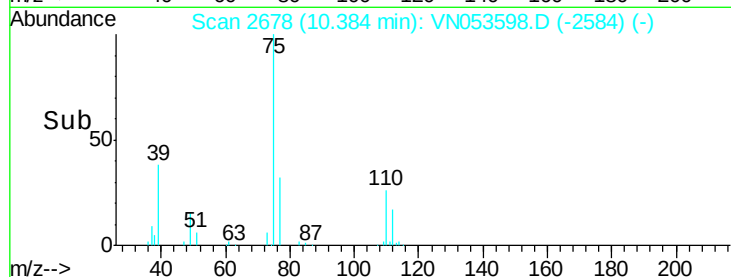
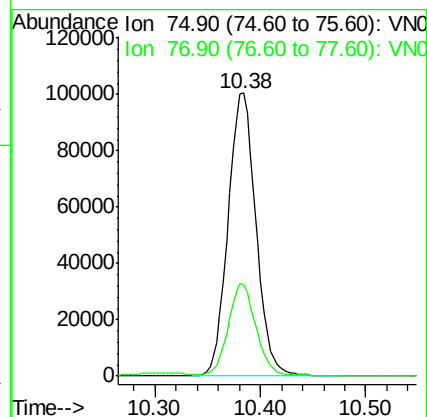
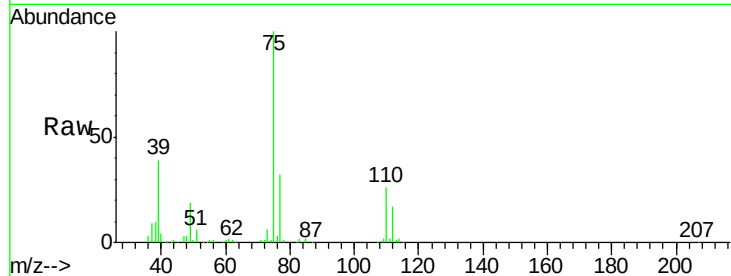
VN0204MBSD01

Tot Ion: 75 Resp: 184208

Ion Ratio Lower Upper

75 100

77 32.0 25.5 38.3



#54

cis-1,3-Dichloropropene

Concen: 18.690 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN053598.D

Acq: 4 Feb 2019 15:56

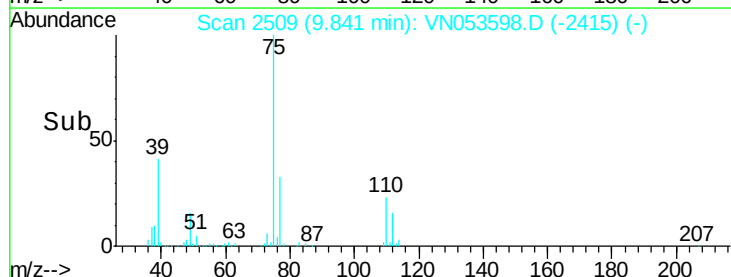
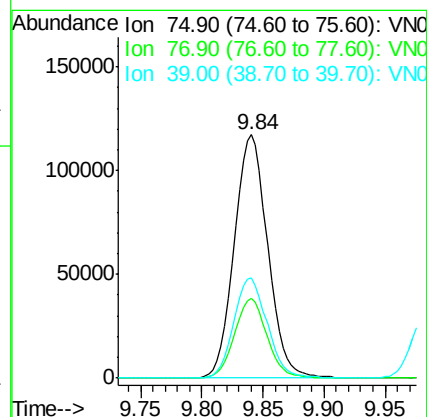
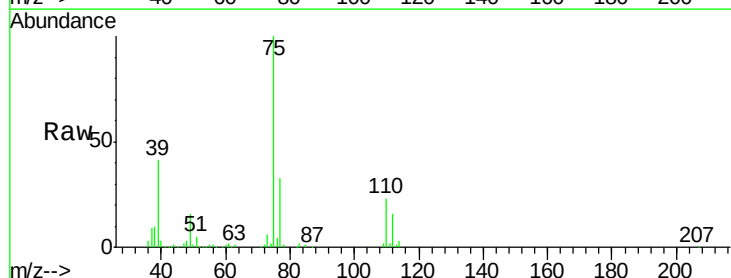
Tgt Ion: 75 Resp: 223824

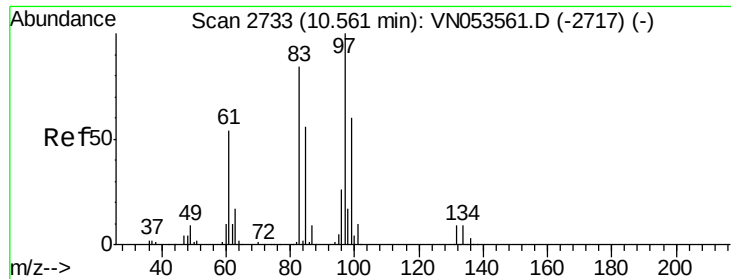
Ion Ratio Lower Upper

75 100

77 32.6 25.8 38.6

39 40.9 33.4 50.0

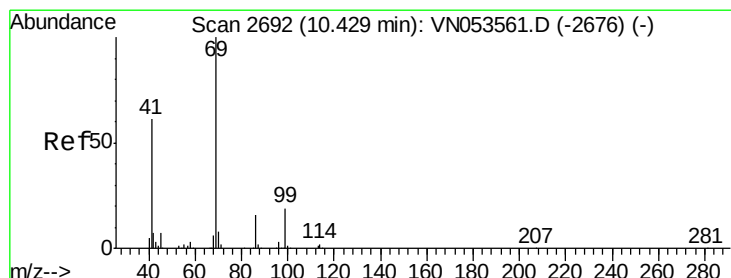
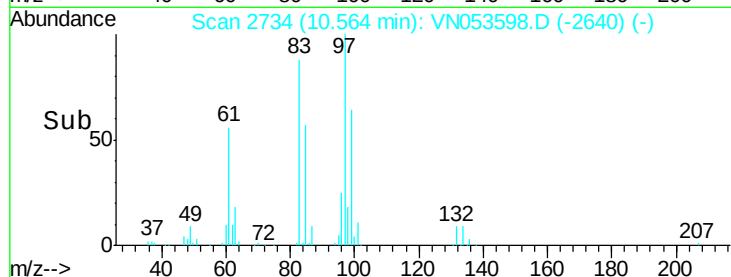
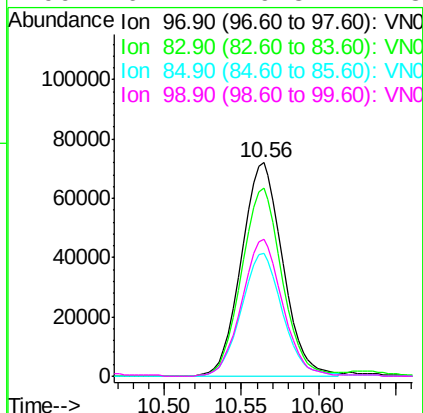
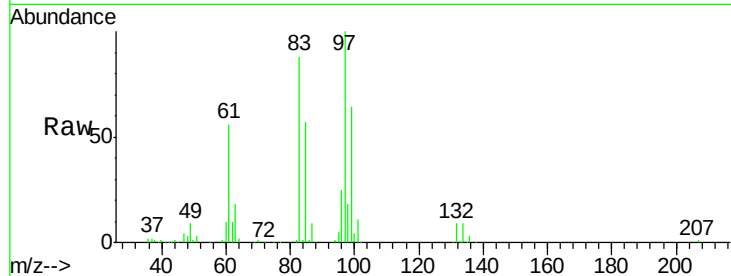




#55
 1,1,2-Trichloroethane
 Concen: 19.937 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN053598.D
 Acq: 4 Feb 2019 15:56

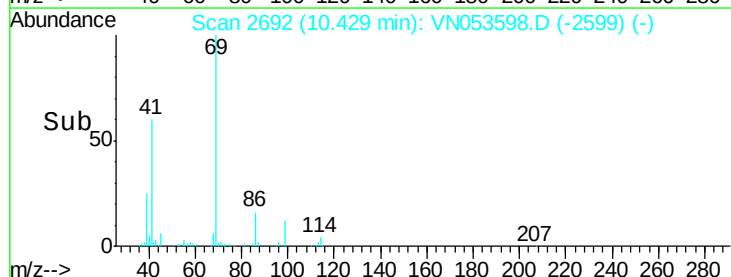
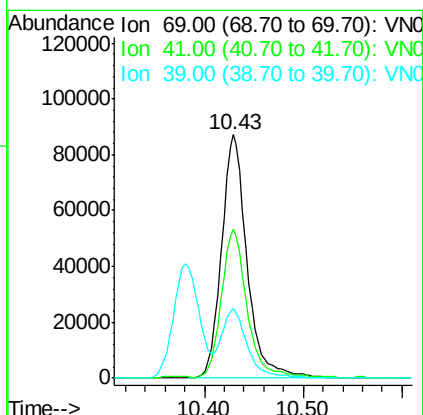
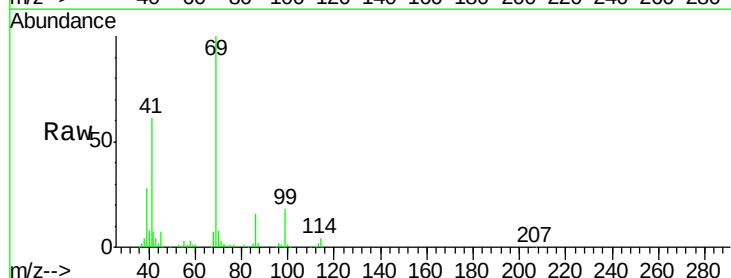
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0204MBSD01

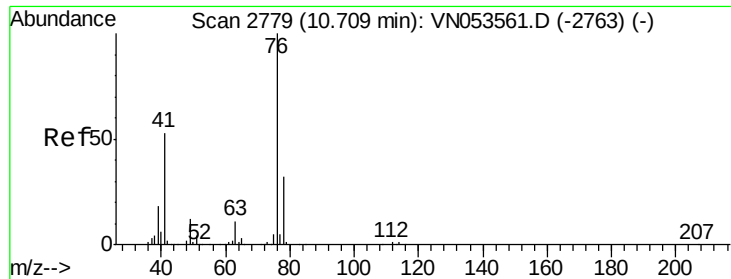
Tot Ion: 97 Resp: 134233
 Ion Ratio Lower Upper
 97 100
 83 88.2 70.1 105.1
 85 57.5 45.4 68.0
 99 64.2 49.8 74.8



#56
 Ethyl methacrylate
 Concen: 19.871 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053598.D
 Acq: 4 Feb 2019 15:56

Tgt Ion: 69 Resp: 158269
 Ion Ratio Lower Upper
 69 100
 41 60.6 49.4 74.0
 39 28.9 23.3 34.9





#57

1,3-Dichloropropane

Concen: 19.968 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN053598.D

Acq: 4 Feb 2019 15:56

Instrument :

MSVOA_N

ClientSampleId :

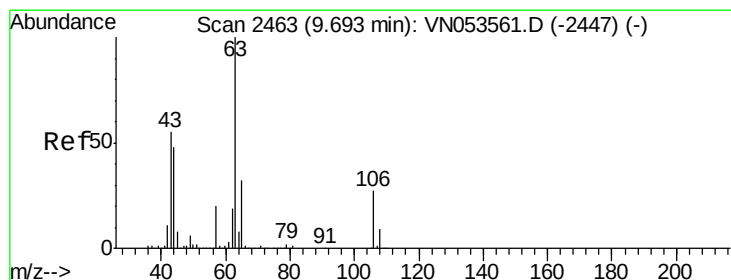
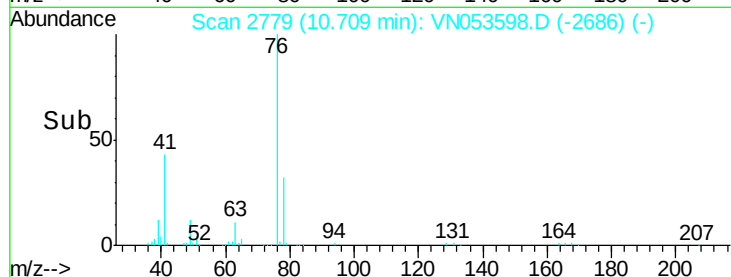
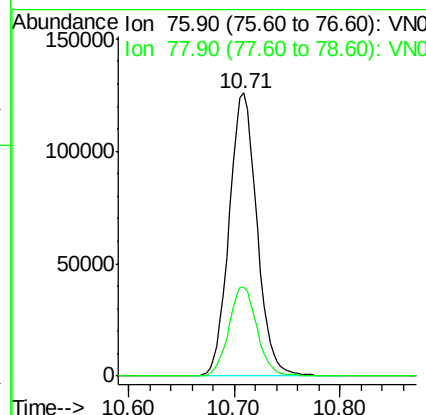
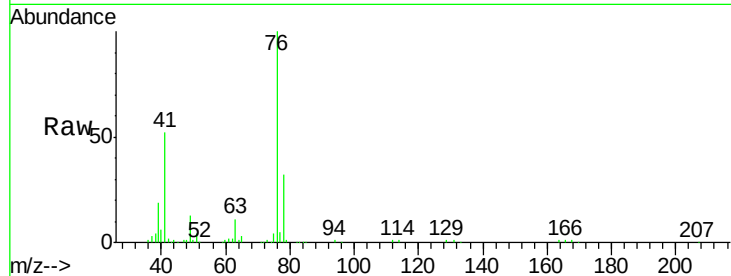
VN0204MBSD01

Tot Ion: 76 Resp: 229768

Ion Ratio Lower Upper

76 100

78 32.0 25.6 38.4



#58

2-Chloroethyl Vinyl ether

Concen: 92.210 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN053598.D

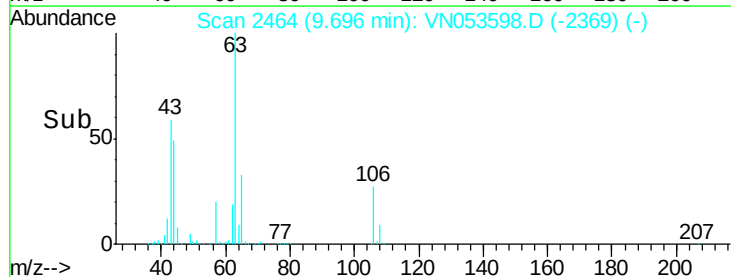
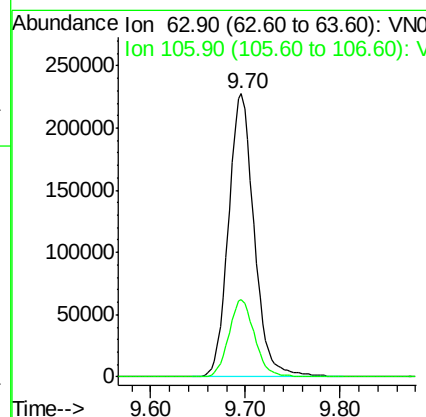
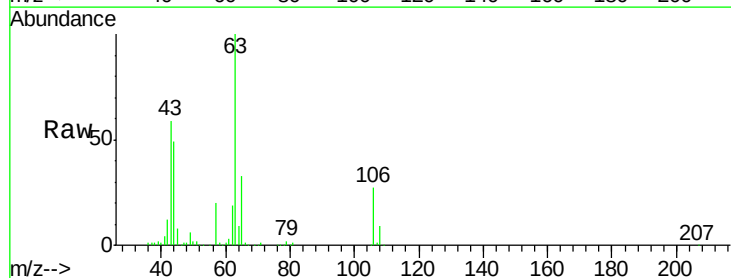
Acq: 4 Feb 2019 15:56

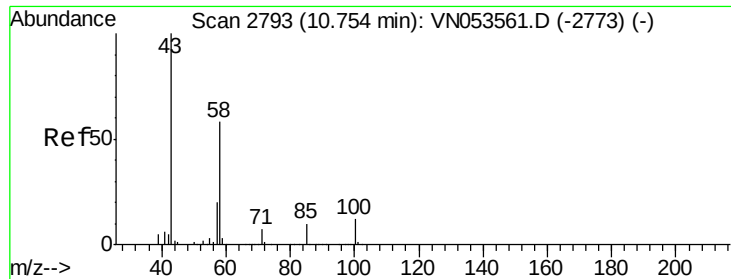
Tgt Ion: 63 Resp: 429693

Ion Ratio Lower Upper

63 100

106 27.4 21.5 32.3

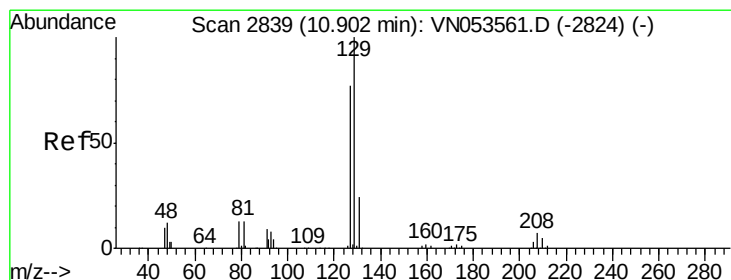
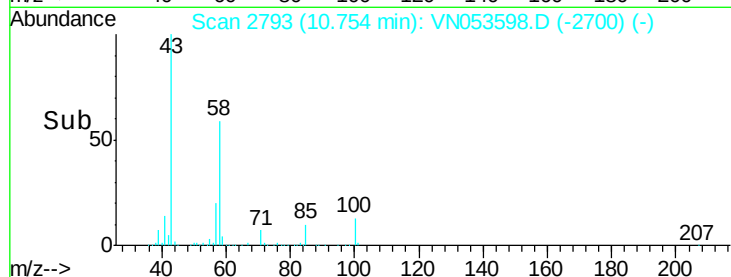
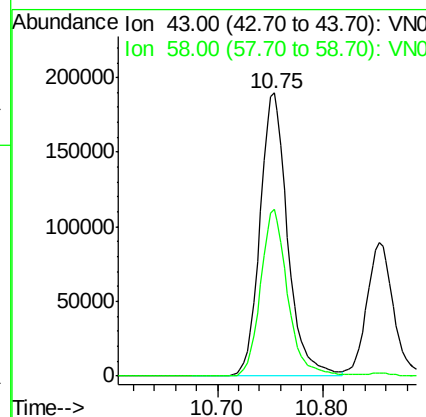
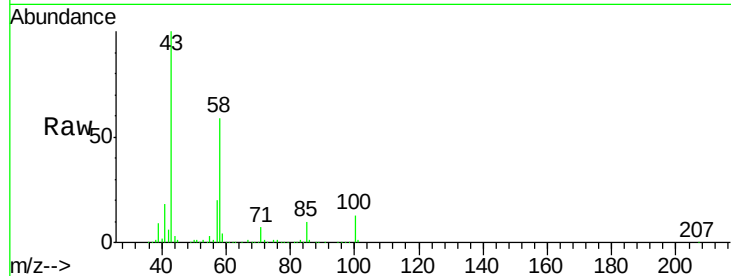




#59
2-Hexanone
Concen: 94.122 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN053598.D
Acq: 4 Feb 2019 15:56

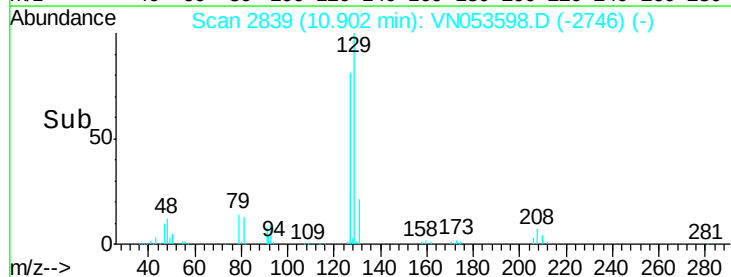
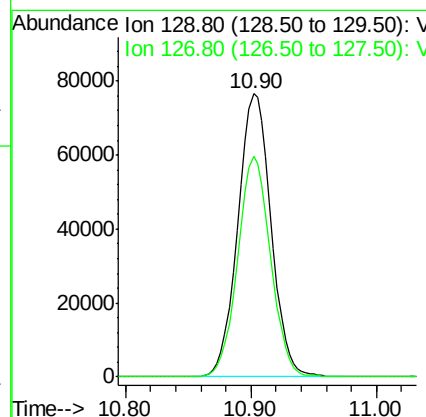
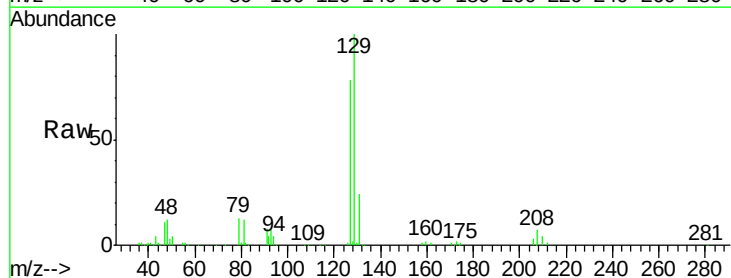
Instrument :
MSVOA_N
ClientSampleId :
VN0204MBSD01

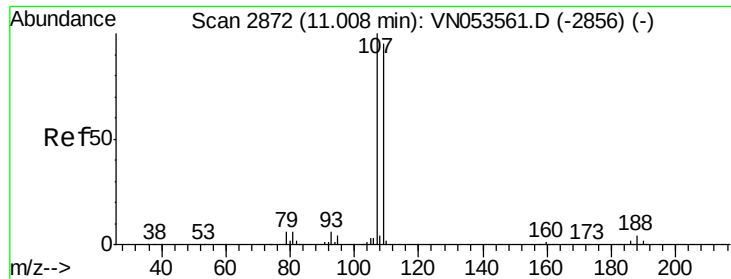
Tot Ion: 43 Resp: 345751
Ion Ratio Lower Upper
43 100
58 57.9 28.6 85.8



#60
Dibromochloromethane
Concen: 18.545 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN053598.D
Acq: 4 Feb 2019 15:56

Tgt Ion: 129 Resp: 140804
Ion Ratio Lower Upper
129 100
127 77.0 38.6 115.8





#61

1,2-Dibromoethane

Concen: 18.805 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN053598.D

Acq: 4 Feb 2019 15:56

Instrument :

MSVOA_N

ClientSampleId :

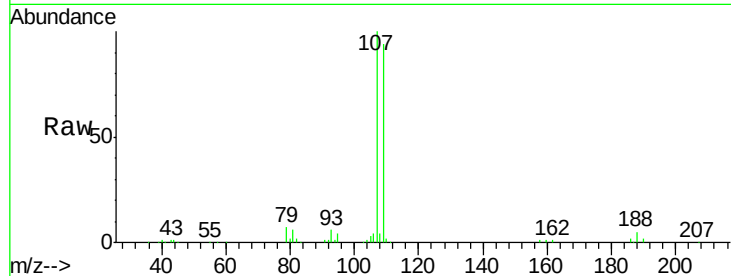
VN0204MBSD01

Tot Ion: 107 Resp: 125319

Ion Ratio Lower Upper

107 100

109 96.5 75.7 113.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.01

80000

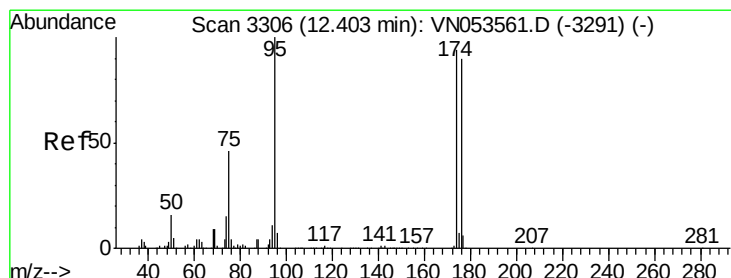
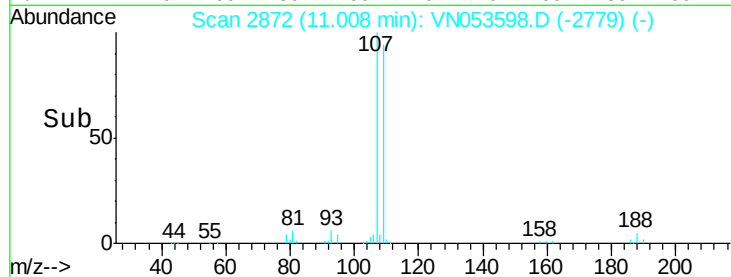
60000

40000

20000

0

Time--> 10.90 11.00 11.10



#62

4-Bromofluorobenzene

Concen: 18.805 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN053598.D

Acq: 4 Feb 2019 15:56

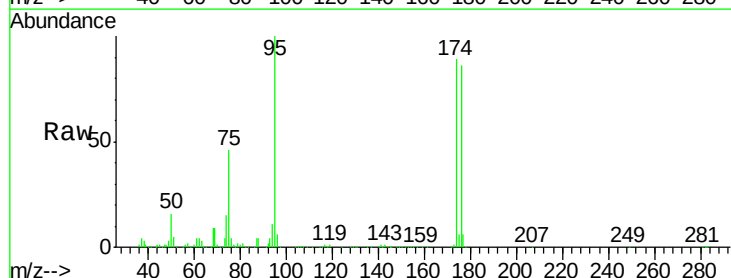
Tgt Ion: 95 Resp: 451129

Ion Ratio Lower Upper

95 100

174 90.6 0.0 183.2

176 87.2 0.0 177.4



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.40

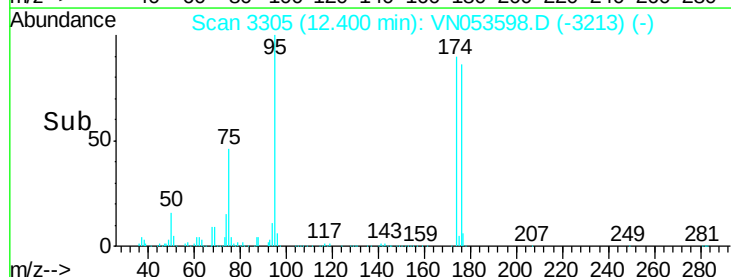
300000

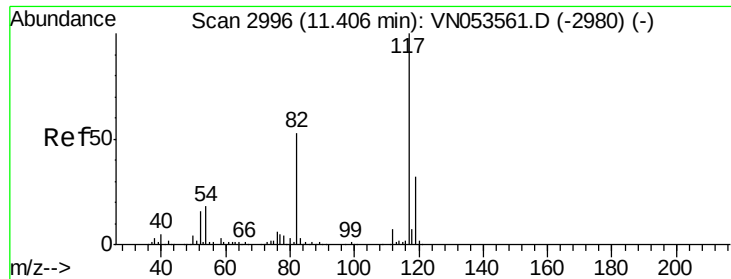
200000

100000

0

Time--> 12.30 12.40 12.50

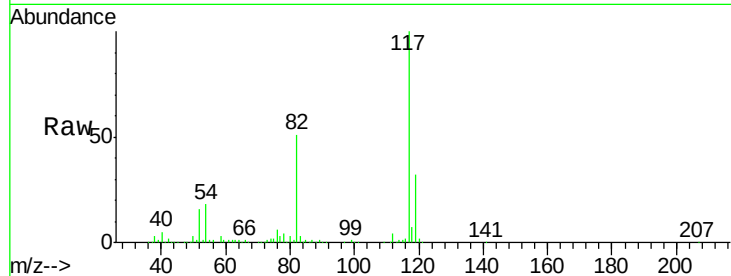




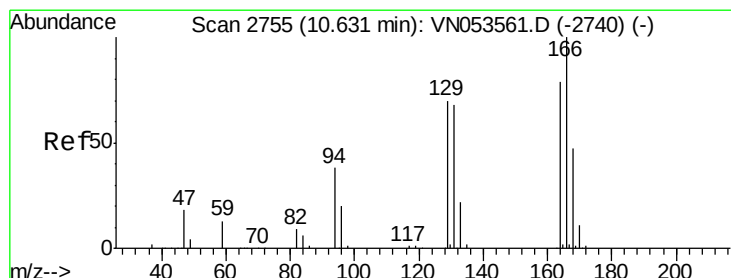
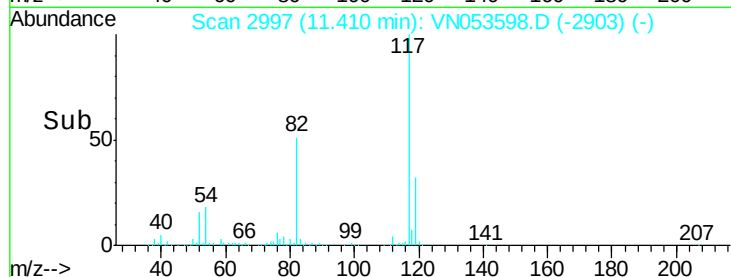
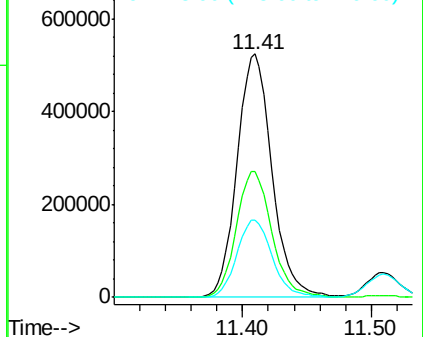
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN053598.D
Acq: 4 Feb 2019 15:56

Instrument :
MSVOA_N
ClientSampled :
VN0204MBSD01

Tot Ion:117 Resp: 990859
Ion Ratio Lower Upper
117 100
82 51.5 42.9 64.3
119 31.9 26.0 39.0

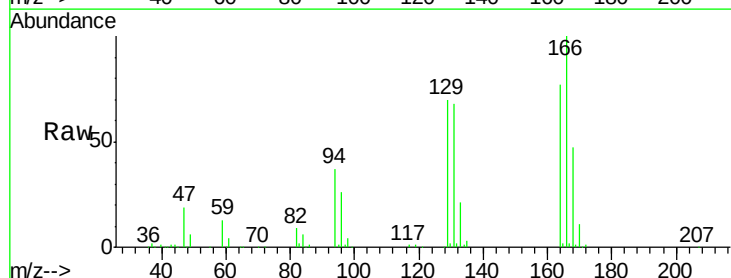


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

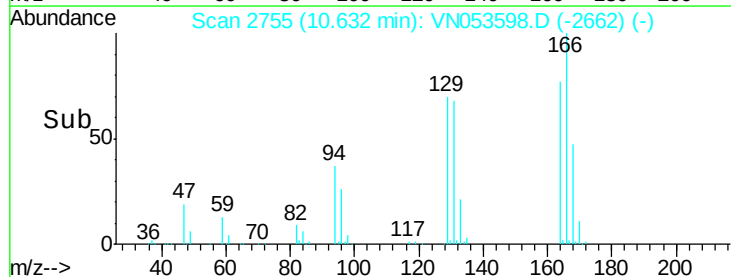
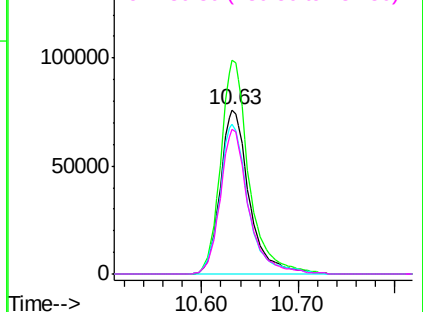


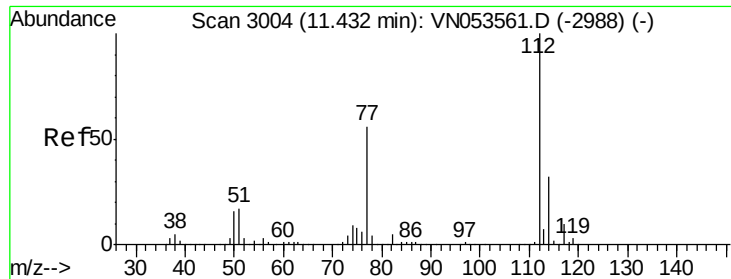
#64
Tetrachloroethene
Concen: 18.505 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053598.D
Acq: 4 Feb 2019 15:56

Tgt Ion:164 Resp: 157181
Ion Ratio Lower Upper
164 100
166 130.2 102.2 153.4
129 91.1 72.6 109.0
131 88.5 69.5 104.3



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

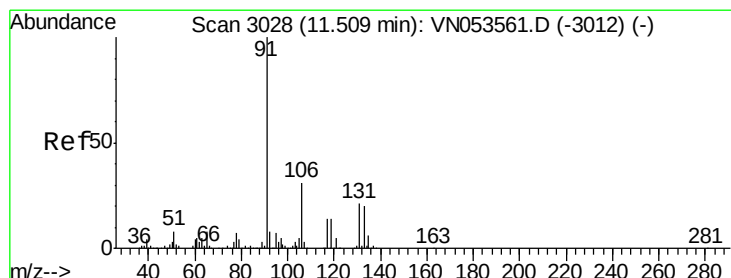
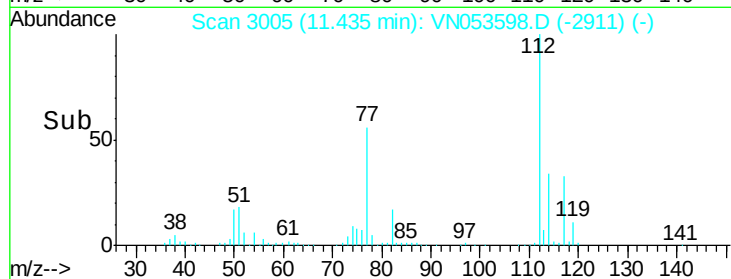
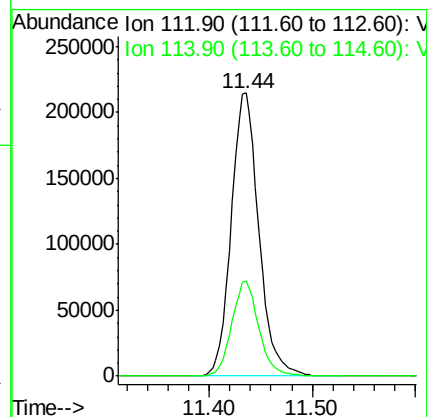
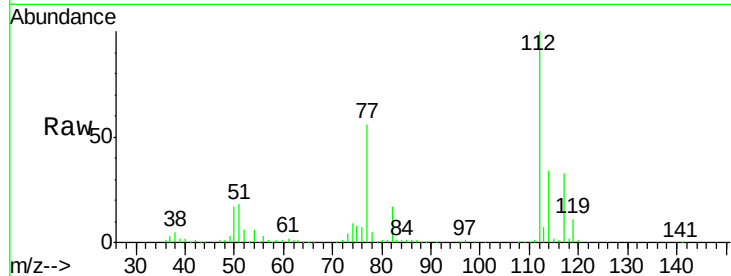




#65
Chlorobenzene
Concen: 19.031 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN053598.D
Acq: 4 Feb 2019 15:56

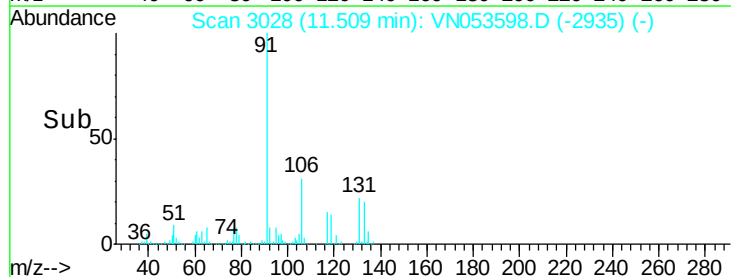
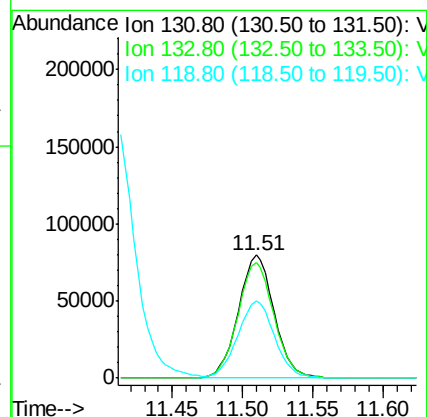
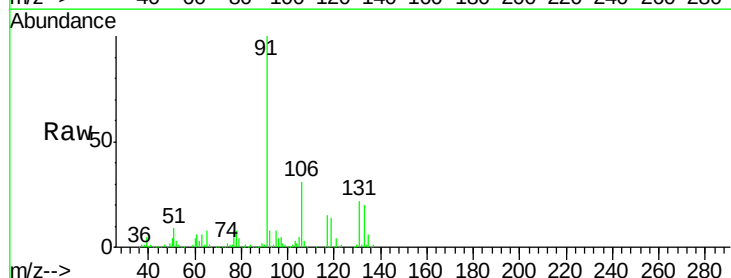
Instrument :
MSVOA_N
ClientSampleId :
VN0204MBSD01

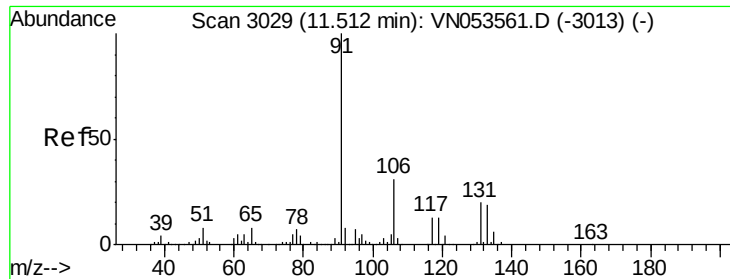
Tot Ion:112 Resp: 400539
Ion Ratio Lower Upper
112 100
114 33.7 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 19.252 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN053598.D
Acq: 4 Feb 2019 15:56

Tgt Ion:131 Resp: 141512
Ion Ratio Lower Upper
131 100
133 95.1 48.0 144.0
119 65.1 33.5 100.5

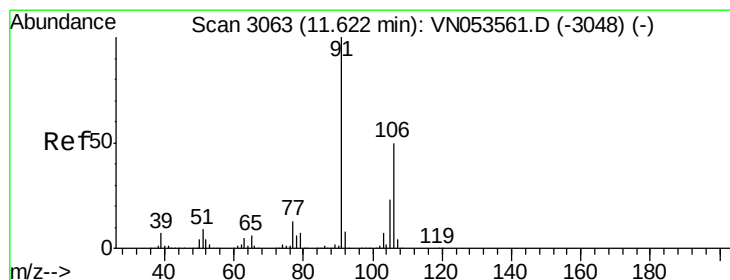
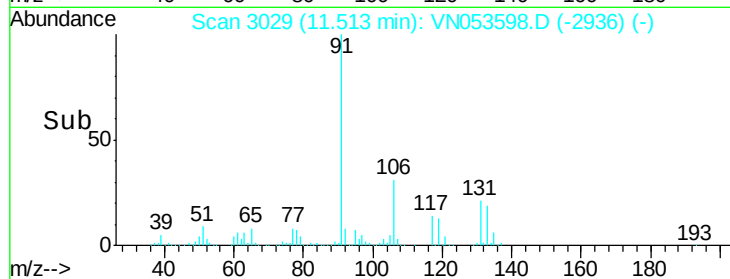
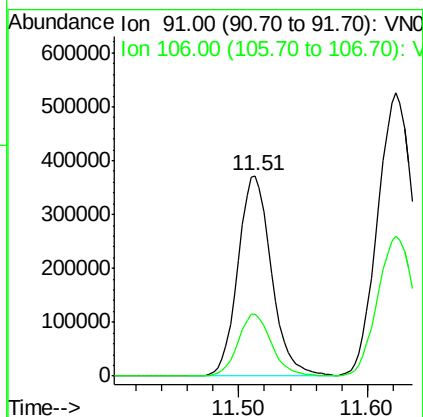
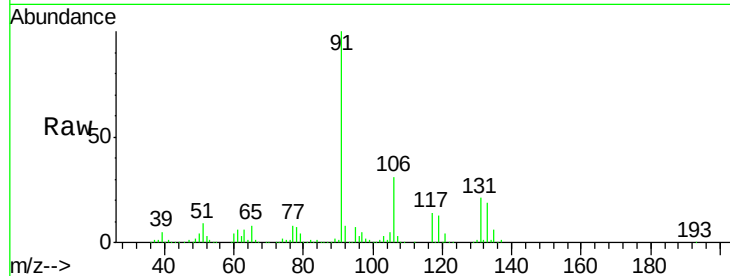




#67
Ethyl Benzene
Concen: 19.484 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN053598.D
Acq: 4 Feb 2019 15:56

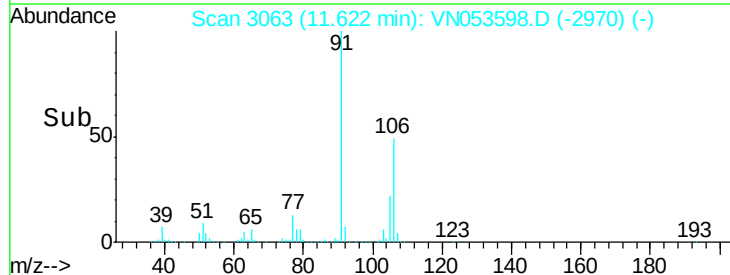
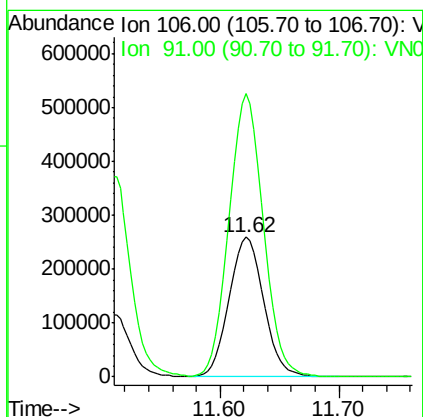
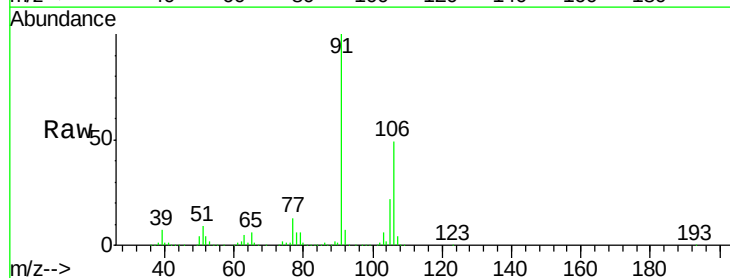
Instrument :
MSVOA_N
ClientSampleId :
VN0204MBSD01

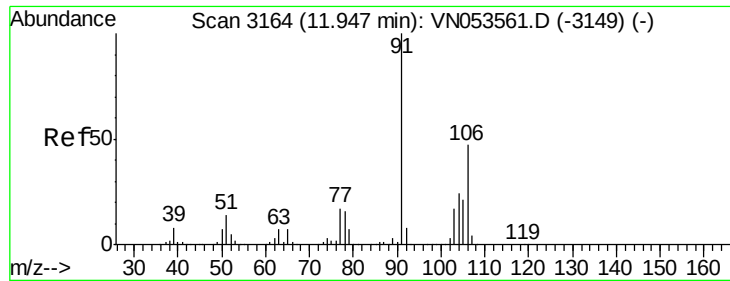
Tot Ion: 91 Resp: 673635
Ion Ratio Lower Upper
91 100
106 31.1 25.0 37.6



#68
m/p-Xylenes
Concen: 39.767 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053598.D
Acq: 4 Feb 2019 15:56

Tgt Ion: 106 Resp: 524744
Ion Ratio Lower Upper
106 100
91 200.2 161.4 242.2

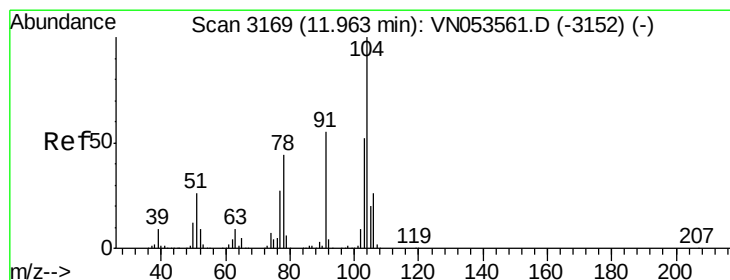
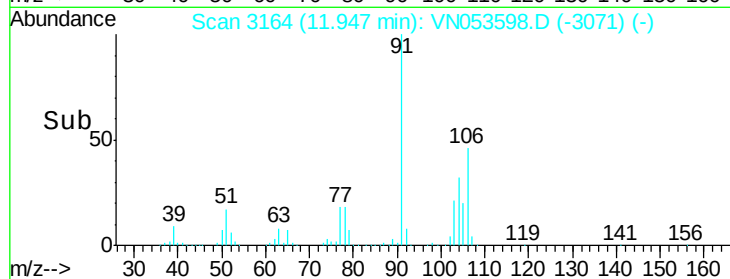
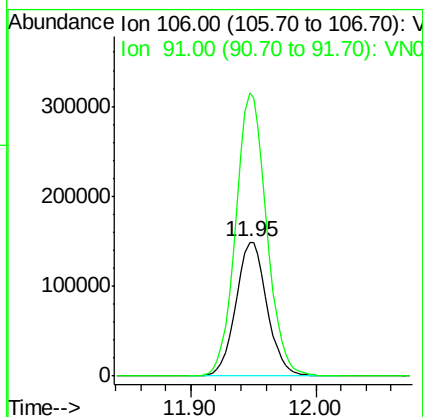
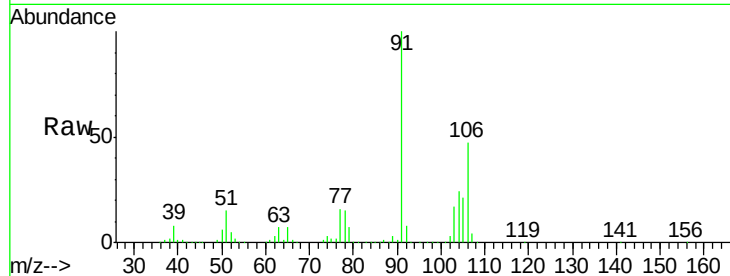




#69
o-Xylene
Concen: 20.141 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053598.D
Acq: 4 Feb 2019 15:56

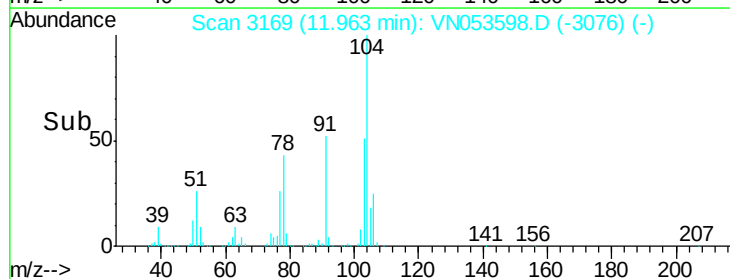
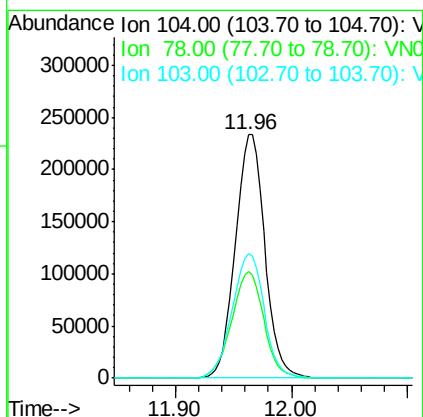
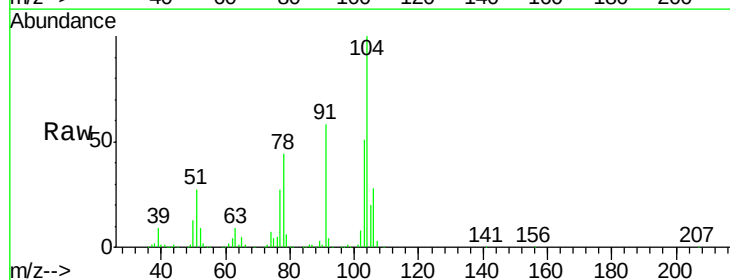
Instrument :
MSVOA_N
ClientSampleId :
VN0204MBSD01

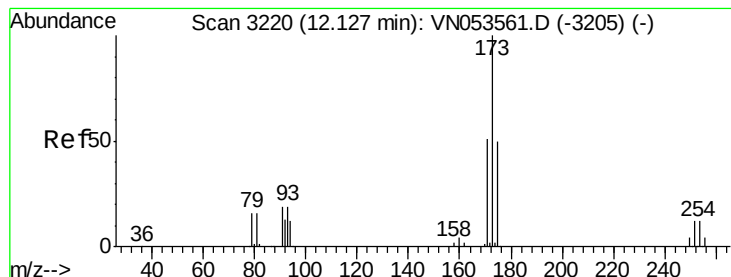
Tot Ion:106 Resp: 256763
Ion Ratio Lower Upper
106 100
91 209.6 106.9 320.8



#70
Styrene
Concen: 19.936 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN053598.D
Acq: 4 Feb 2019 15:56

Tgt Ion:104 Resp: 411919
Ion Ratio Lower Upper
104 100
78 47.7 38.2 57.2
103 55.4 44.4 66.6





#71

Bromoform

Concen: 18.533 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN053598.D

Acq: 4 Feb 2019 15:56

Instrument :

MSVOA_N

ClientSampled :

VN0204MBSD01

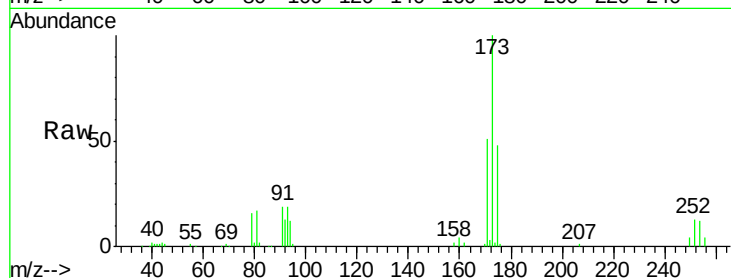
Tot Ion:173 Resp: 93394

Ion Ratio Lower Upper

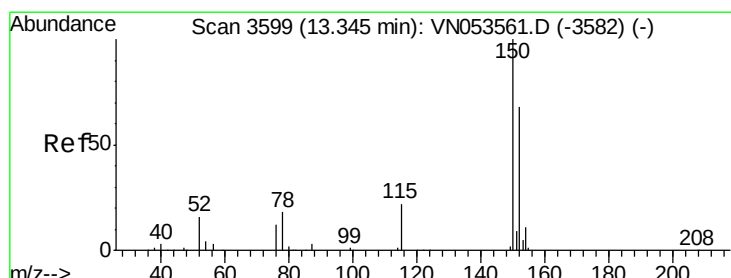
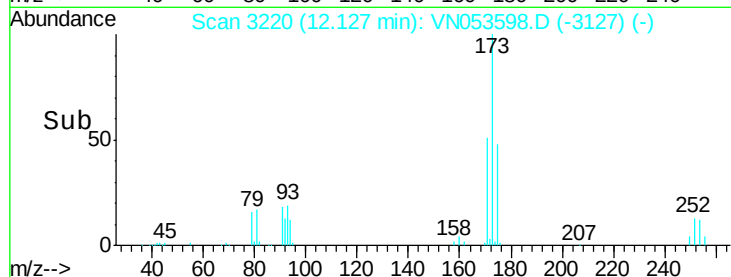
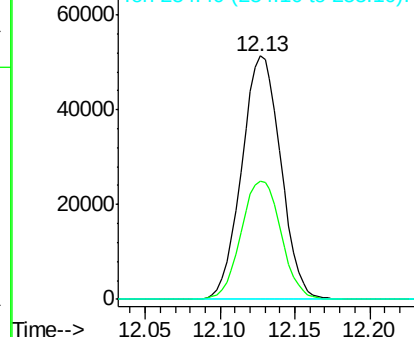
173 100

175 49.7 24.6 74.0

254 0.0 0.2 0.2#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN053598.D

Acq: 4 Feb 2019 15:56

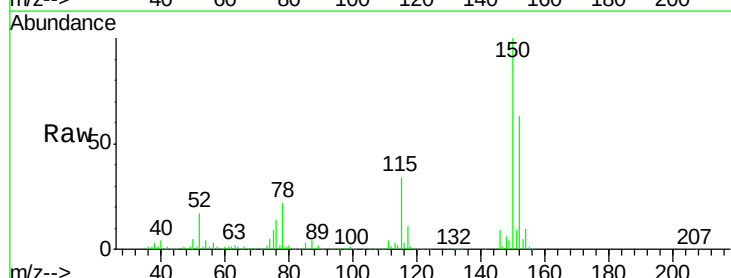
Tgt Ion:152 Resp: 467256

Ion Ratio Lower Upper

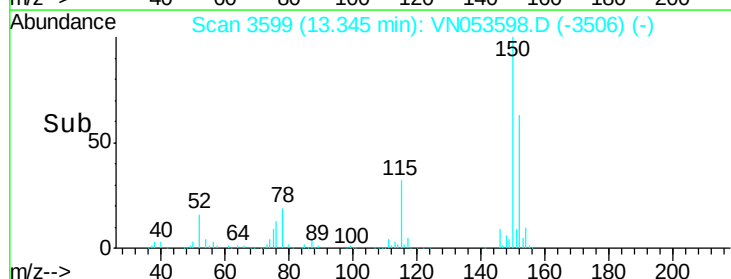
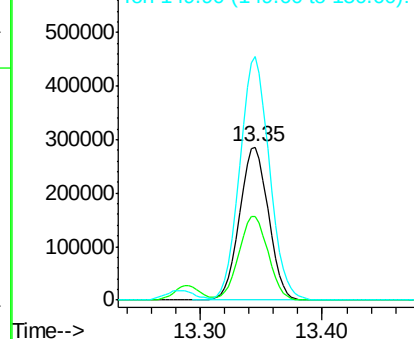
152 100

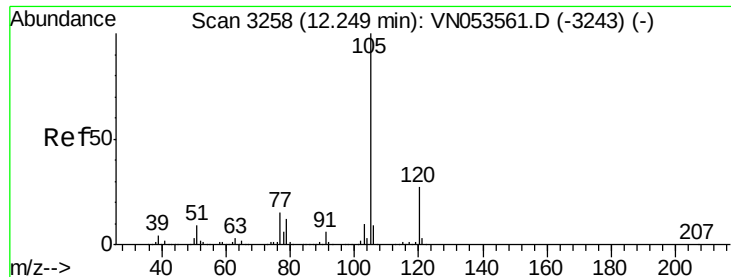
115 55.4 27.8 83.4

150 163.2 0.0 349.0



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





#73

Isopropylbenzene

Concen: 20.086 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053598.D

Acq: 4 Feb 2019 15:56

Instrument :

MSVOA_N

ClientSampleId :

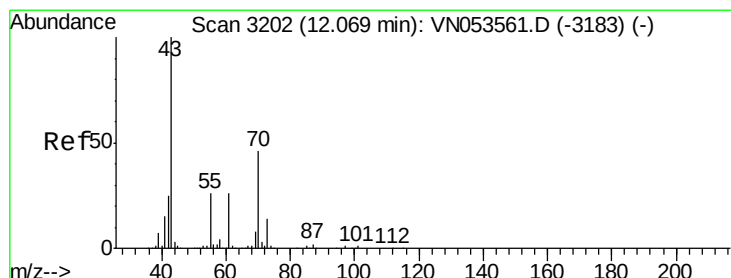
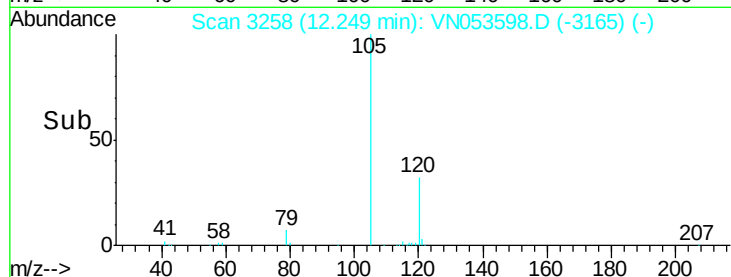
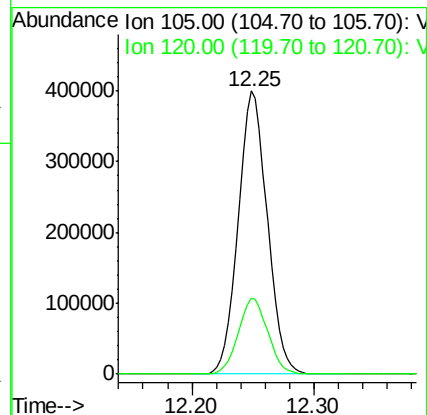
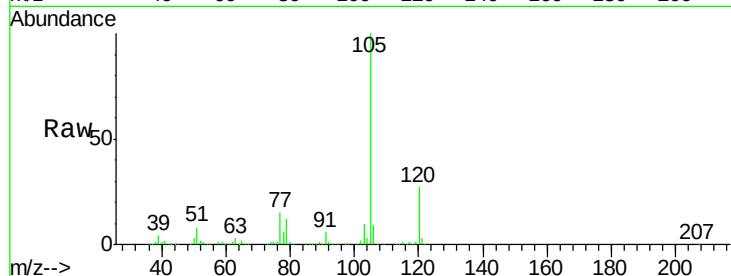
VN0204MBSD01

Tot Ion:105 Resp: 659782

Ion Ratio Lower Upper

105 100

120 27.1 13.6 40.7



#74

N-ethyl acetate

Concen: 19.941 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN053598.D

Acq: 4 Feb 2019 15:56

Tgt Ion: 43 Resp: 157509

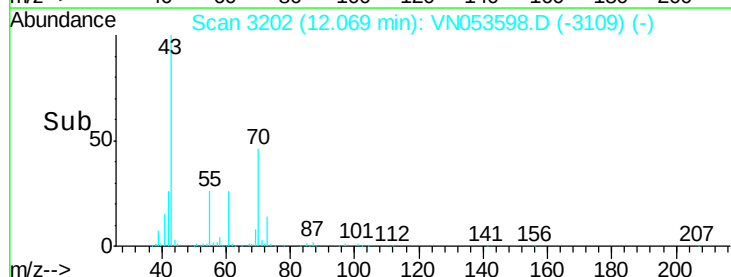
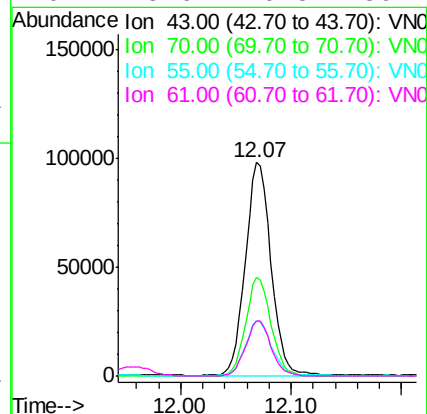
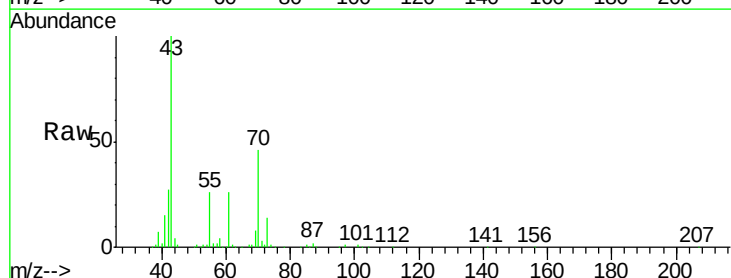
Ion Ratio Lower Upper

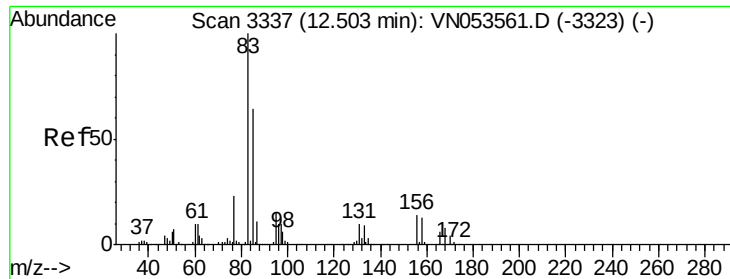
43 100

70 45.5 35.4 53.2

55 26.2 20.9 31.3

61 25.6 20.5 30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 20.065 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN053598.D

Acq: 4 Feb 2019 15:56

Instrument :

MSVOA_N

ClientSampleId :

VN0204MBSD01

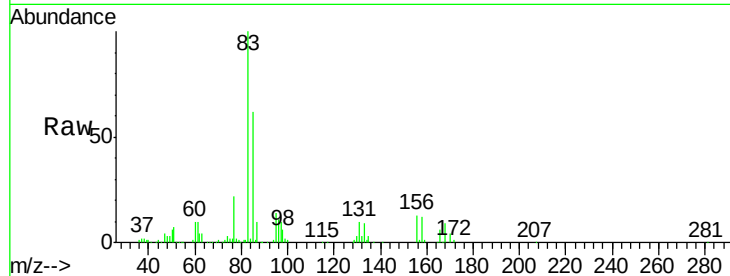
Tot Ion: 83 Resp: 157736

Ion Ratio Lower Upper

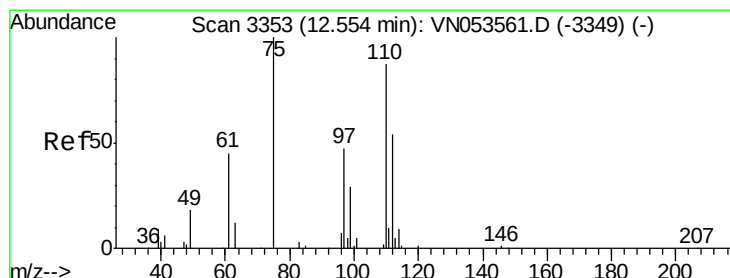
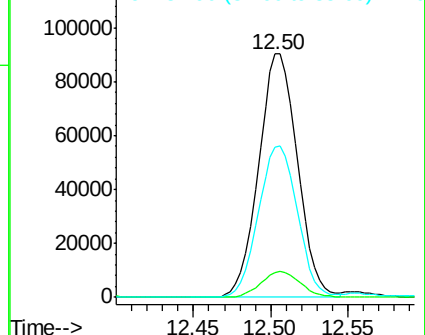
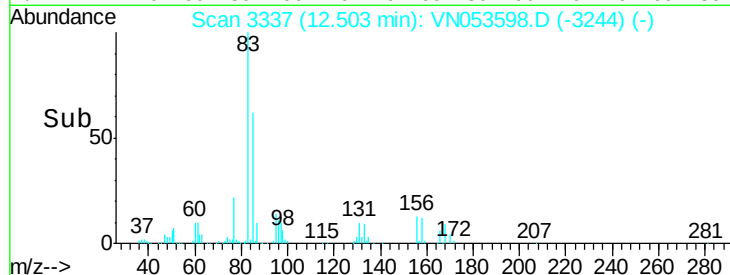
83 100

131 10.8 5.3 15.8

85 62.5 32.1 96.3



Abundance Ion 82.90 (82.60 to 83.60): VN053598.D (-3244) (-)



#76

1,2,3-Trichloropropane

Concen: 31.139 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN053598.D

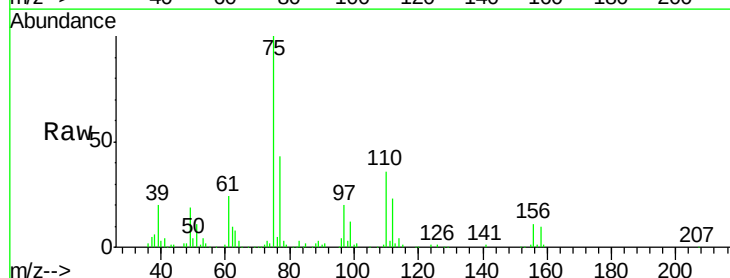
Acq: 4 Feb 2019 15:56

Tgt Ion: 75 Resp: 186884

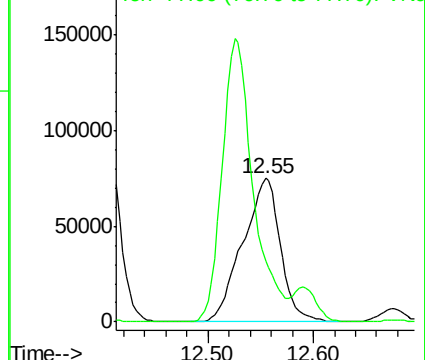
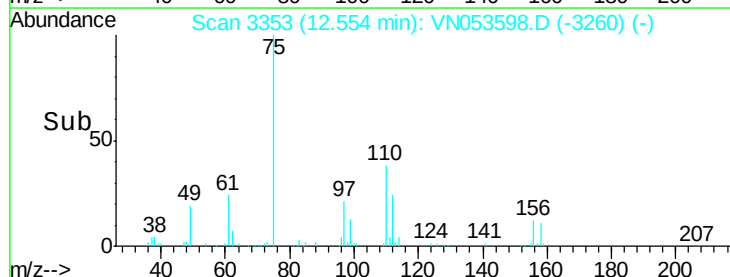
Ion Ratio Lower Upper

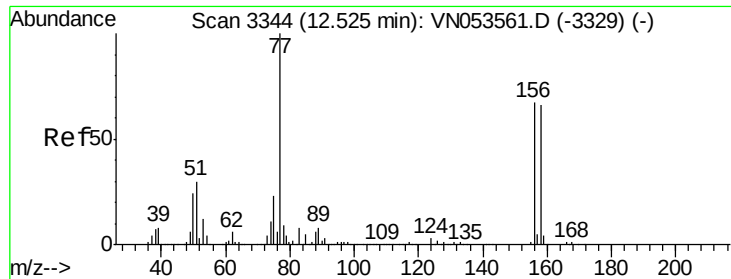
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN053598.D (-3260) (-)





#77

Bromobenzene

Concen: 20.305 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053598.D

Acq: 4 Feb 2019 15:56

Instrument :

MSVOA_N

ClientSampleId :

VN0204MBSD01

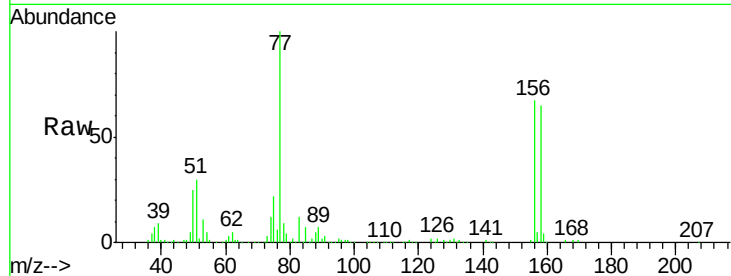
Tot Ion:156 Resp: 179755

Ion Ratio Lower Upper

156 100

77 168.9 87.9 263.8

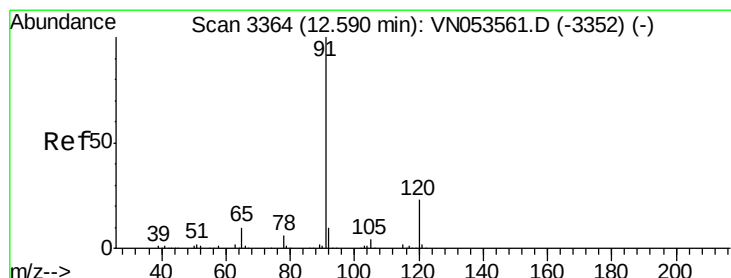
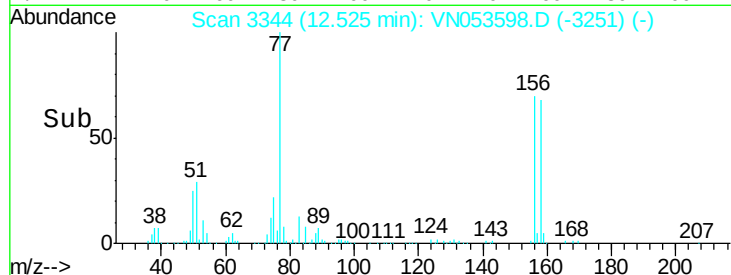
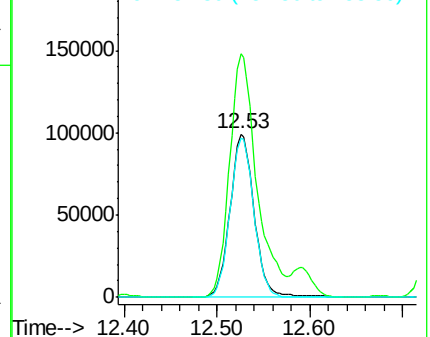
158 95.4 48.8 146.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.897 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN053598.D

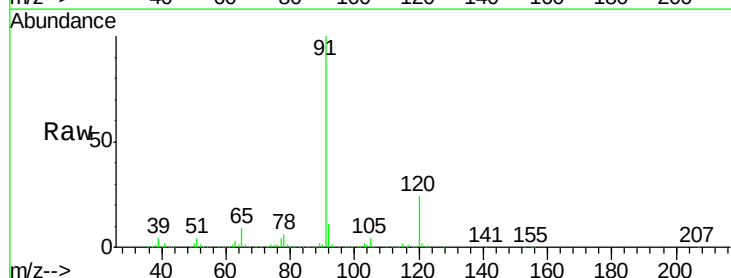
Acq: 4 Feb 2019 15:56

Tgt Ion: 91 Resp: 755521

Ion Ratio Lower Upper

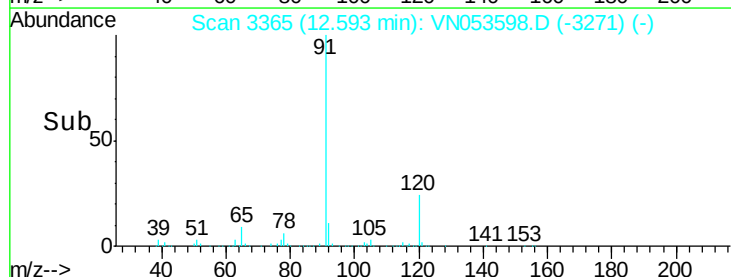
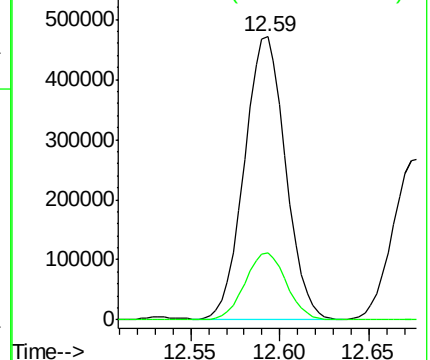
91 100

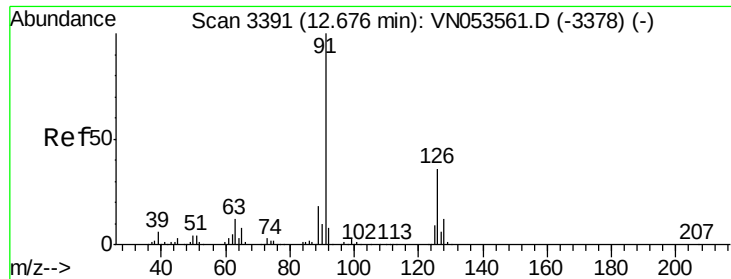
120 24.0 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.082 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN053598.D

Acq: 4 Feb 2019 15:56

Instrument :

MSVOA_N

ClientSampleId :

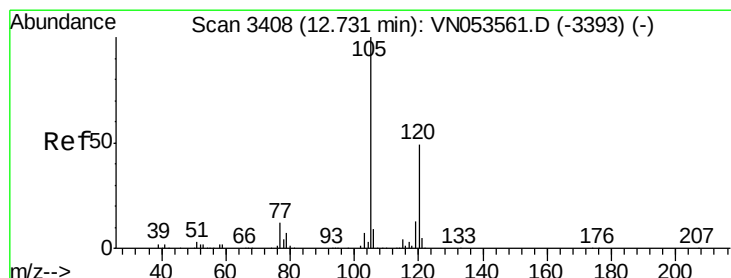
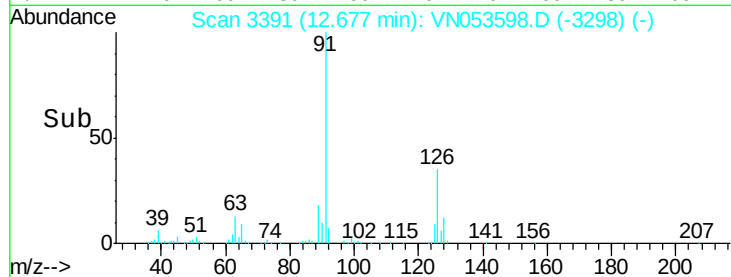
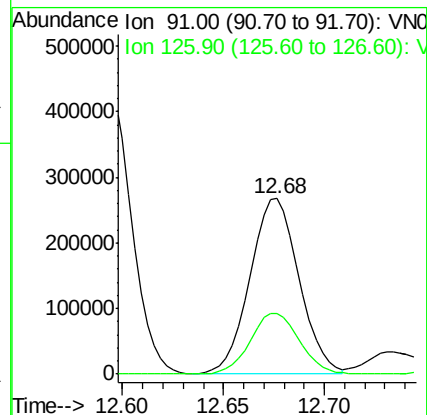
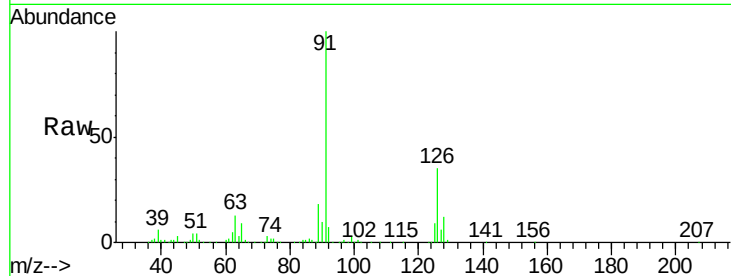
VN0204MBSD01

Tot Ion: 91 Resp: 452408

Ion Ratio Lower Upper

91 100

126 35.2 17.9 53.7



#80

1,3,5-Trimethylbenzene

Concen: 20.647 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053598.D

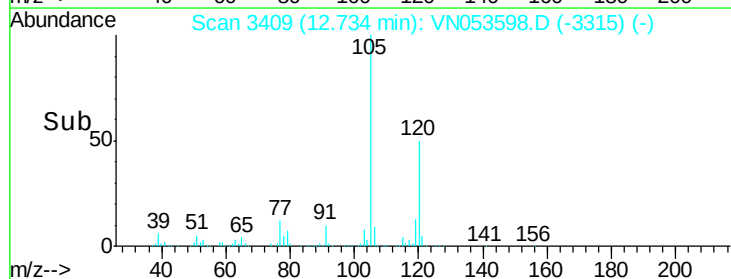
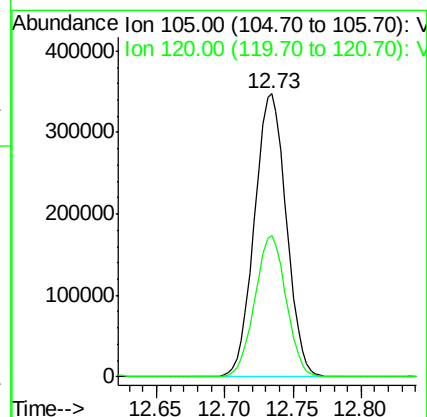
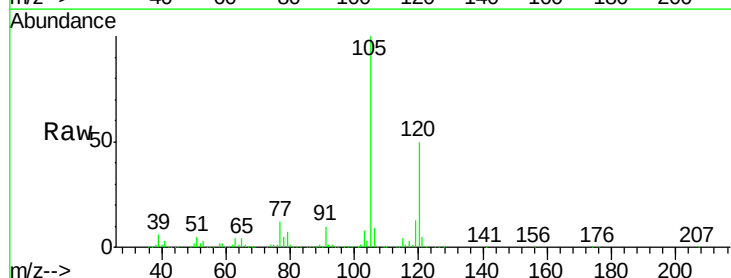
Acq: 4 Feb 2019 15:56

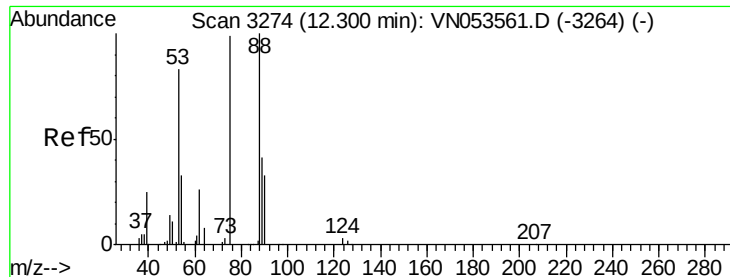
Tgt Ion: 105 Resp: 562389

Ion Ratio Lower Upper

105 100

120 49.2 24.9 74.6

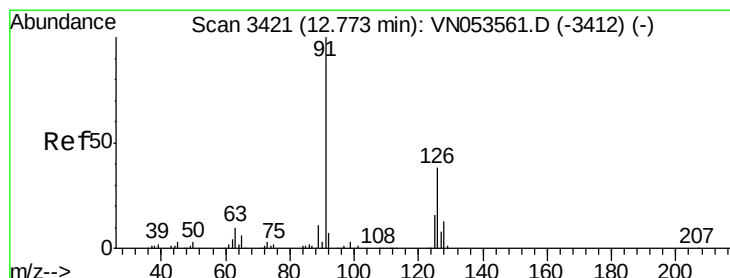
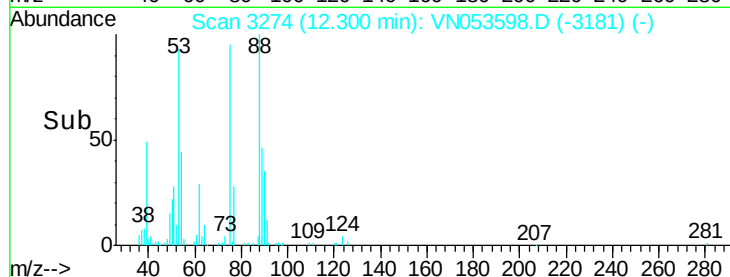
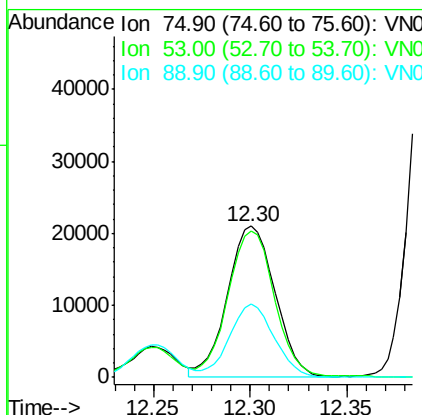
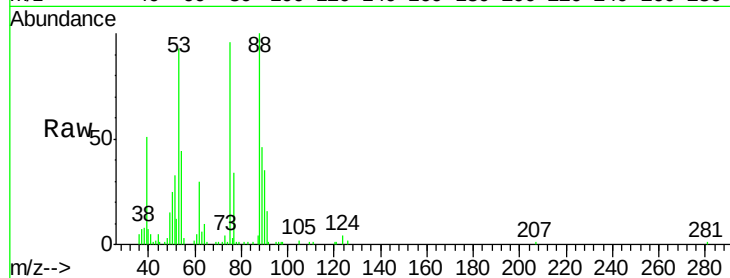




#81
trans-1,4-Dichloro-2-butene
Concen: 16.886 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN053598.D
Acq: 4 Feb 2019 15:56

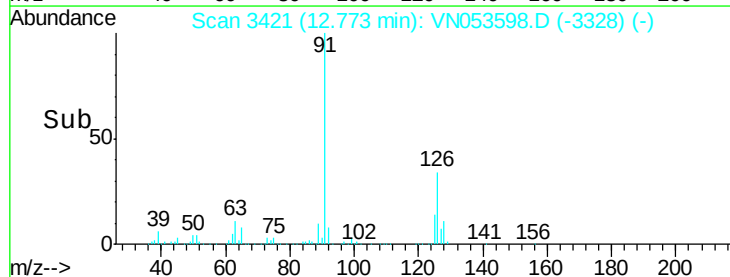
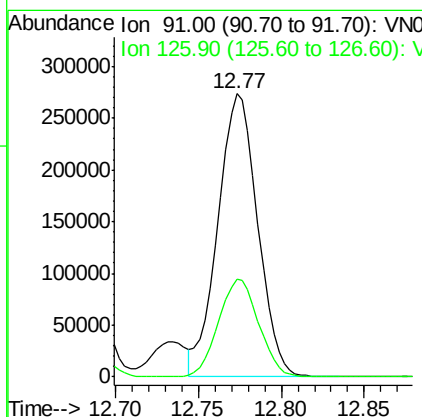
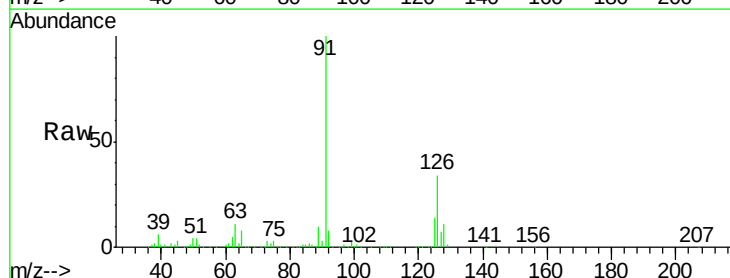
Instrument :
MSVOA_N
ClientSampleId :
VN0204MBSD01

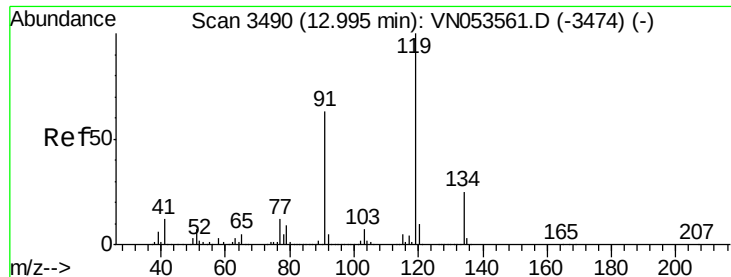
Tot Ion: 75 Resp: 36040
Ion Ratio Lower Upper
75 100
53 93.2 69.8 104.6
89 45.8 35.6 53.4



#82
4-Chlorotoluene
Concen: 19.686 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN053598.D
Acq: 4 Feb 2019 15:56

Tgt Ion: 91 Resp: 455075
Ion Ratio Lower Upper
91 100
126 35.3 17.6 52.9

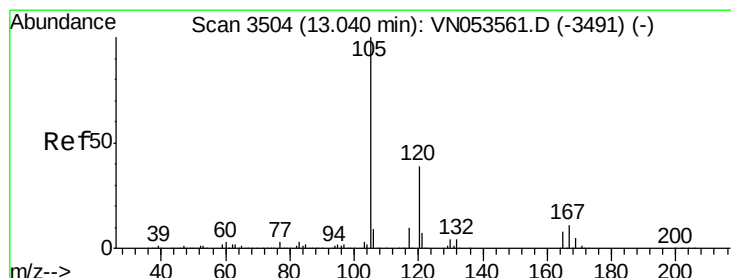
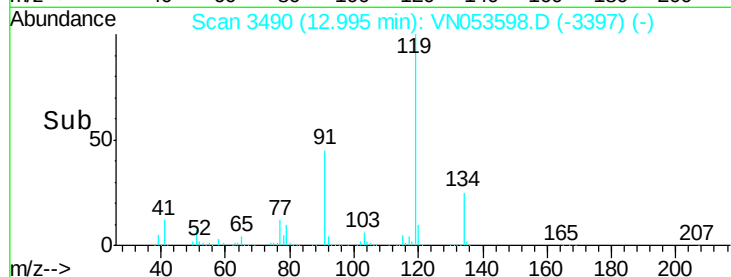
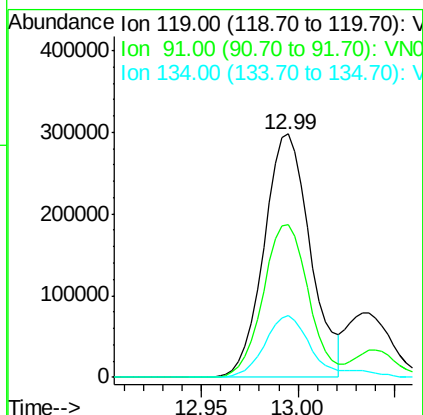
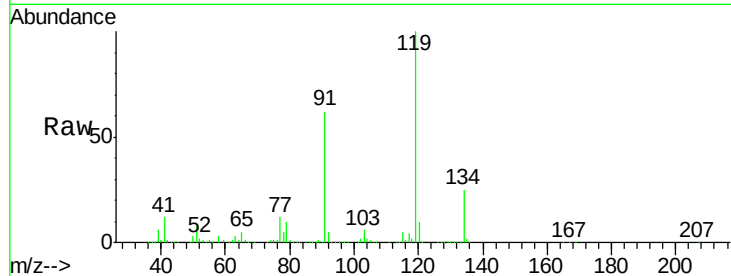




#83
 tert-Butylbenzene
 Concen: 20.619 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN053598.D
 Acq: 4 Feb 2019 15:56

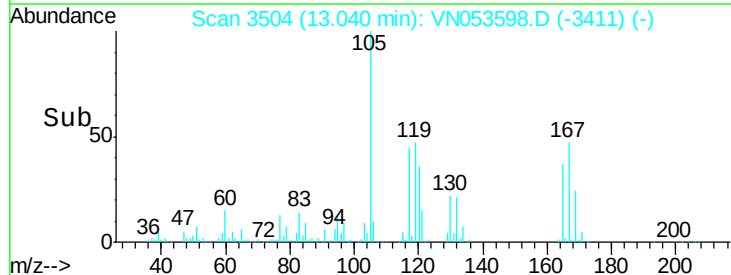
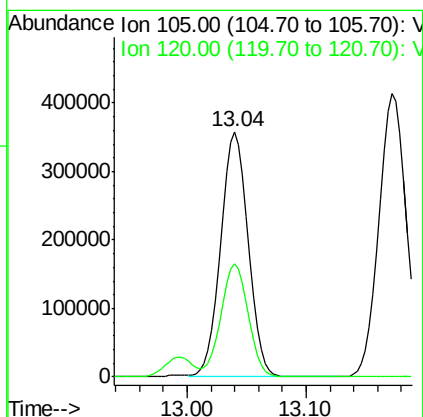
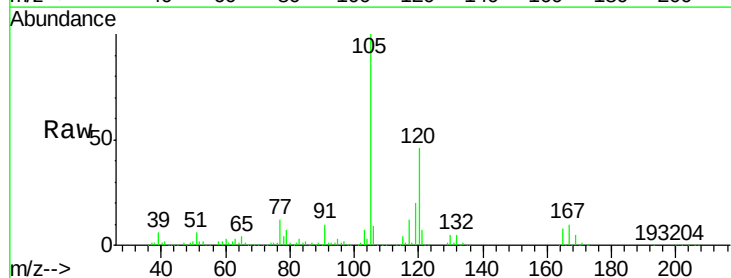
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0204MBSD01

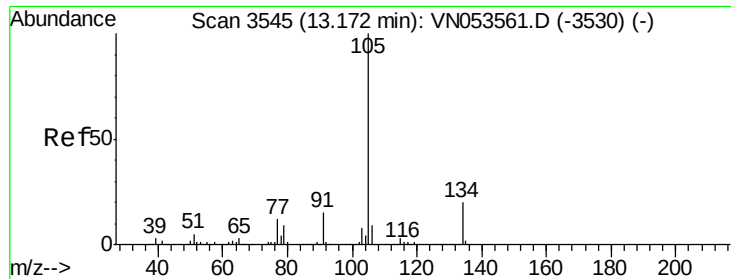
Tot Ion:119 Resp: 496372
 Ion Ratio Lower Upper
 119 100
 91 61.7 31.3 93.8
 134 26.5 12.9 38.7



#84
 1,2,4-Trimethylbenzene
 Concen: 20.571 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN053598.D
 Acq: 4 Feb 2019 15:56

Tgt Ion:105 Resp: 570859
 Ion Ratio Lower Upper
 105 100
 120 46.0 23.0 69.0





#85

sec-Butylbenzene

Concen: 20.164 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053598.D

Acq: 4 Feb 2019 15:56

Instrument :

MSVOA_N

ClientSampleID :

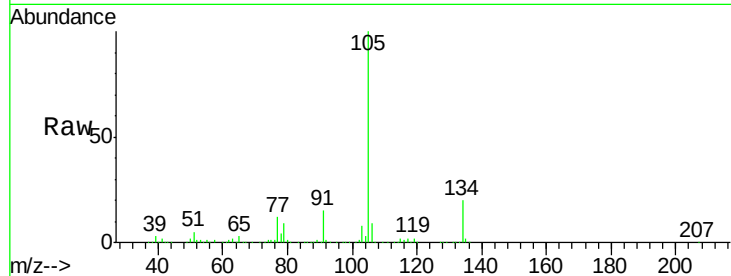
VN0204MBSD01

Tot Ion:105 Resp: 660568

Ion Ratio Lower Upper

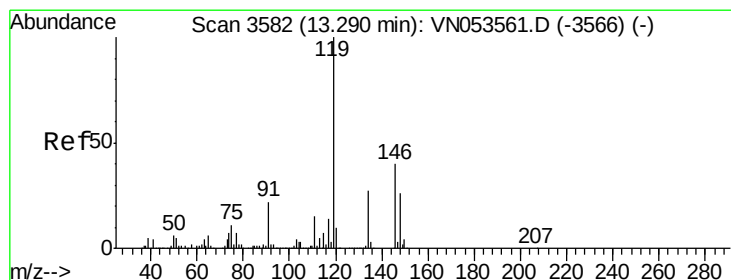
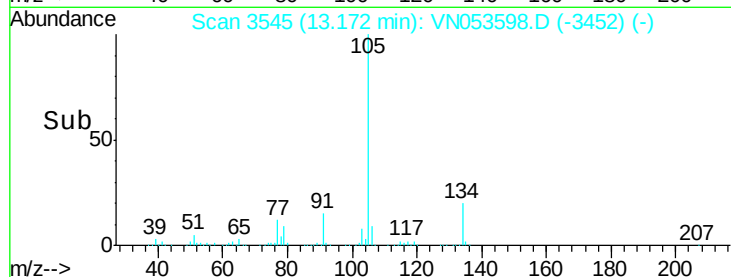
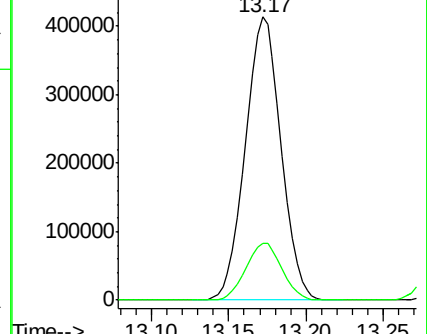
105 100

134 20.5 10.2 30.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.948 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053598.D

Acq: 4 Feb 2019 15:56

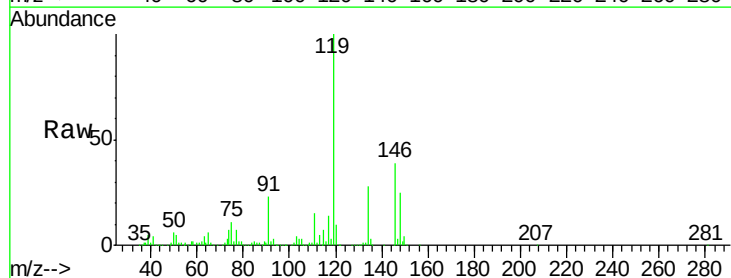
Tgt Ion:119 Resp: 571535

Ion Ratio Lower Upper

119 100

134 27.2 13.5 40.4

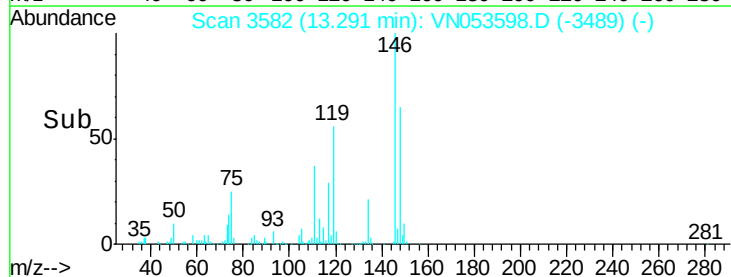
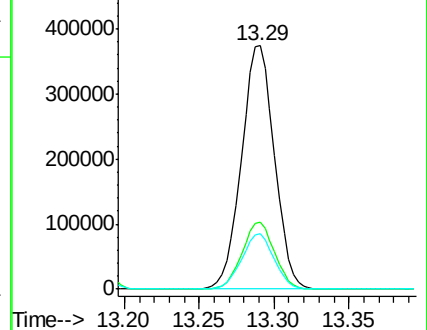
91 22.4 11.0 33.0

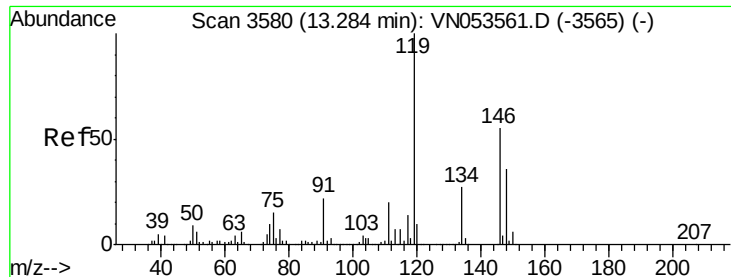


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 19.120 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN053598.D

Acq: 4 Feb 2019 15:56

Instrument :

MSVOA_N

ClientSampleId :

VN0204MBSD01

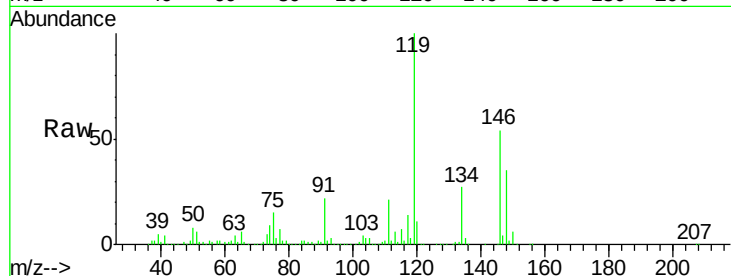
Tot Ion:146 Resp: 304276

Ion Ratio Lower Upper

146 100

111 38.4 18.8 56.3

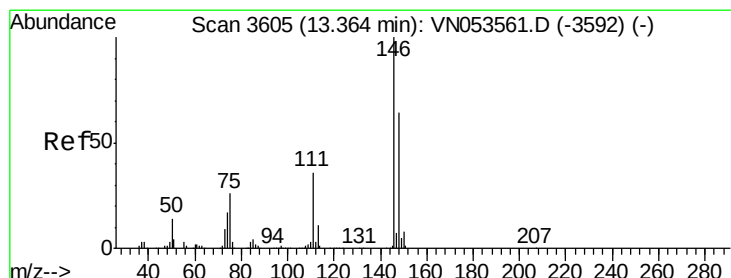
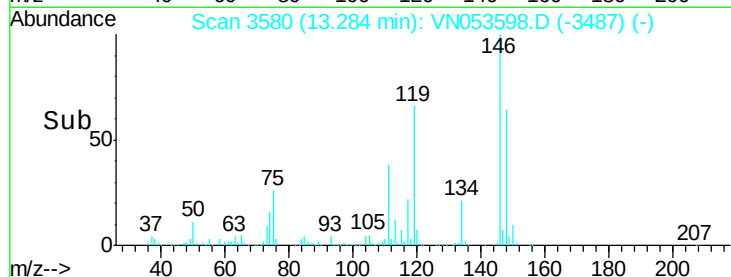
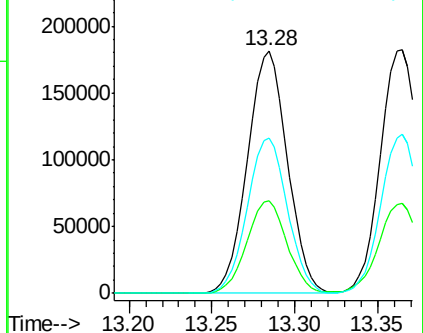
148 64.3 32.0 96.2



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 19.229 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN053598.D

Acq: 4 Feb 2019 15:56

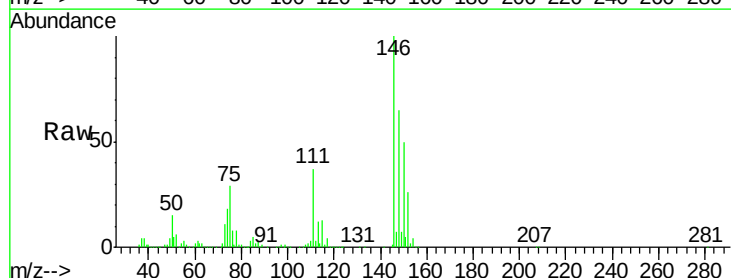
Tgt Ion:146 Resp: 302703

Ion Ratio Lower Upper

146 100

111 37.9 18.6 55.8

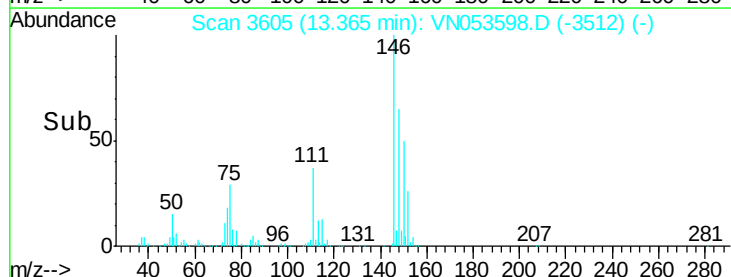
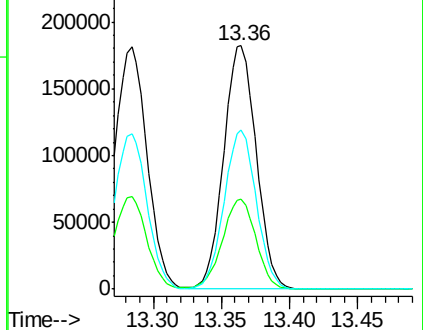
148 64.7 32.4 97.0

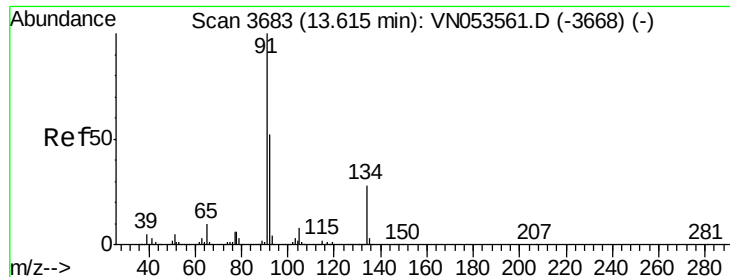


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

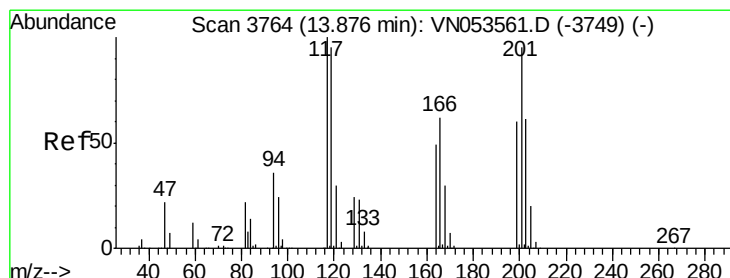
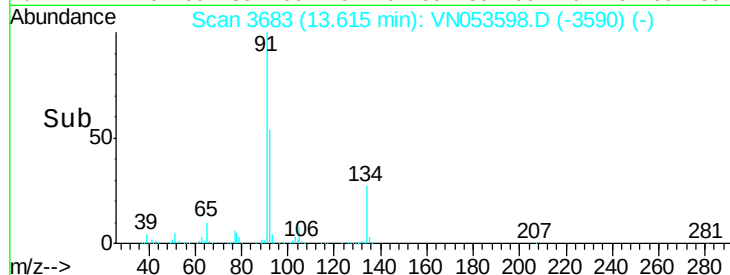
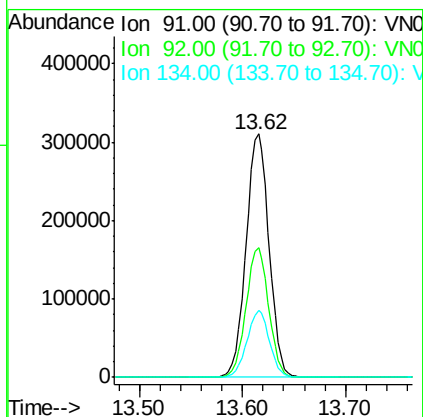
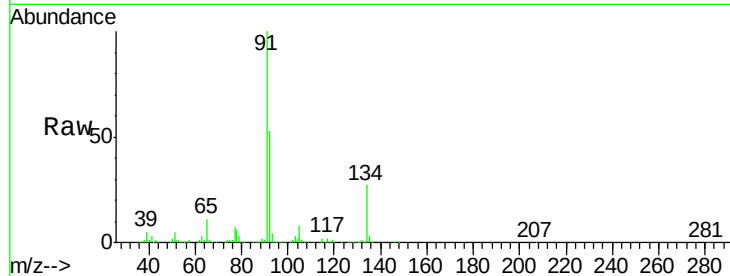




#89
n-Butylbenzene
Concen: 19.321 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN053598.D
Acq: 4 Feb 2019 15:56

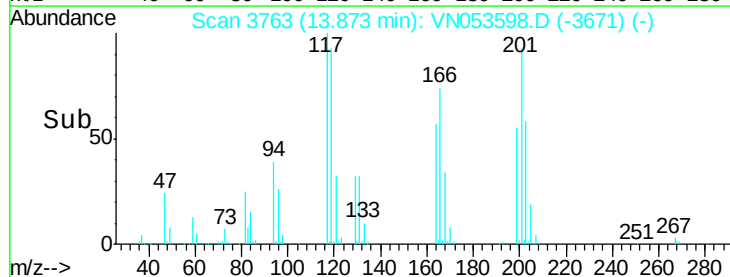
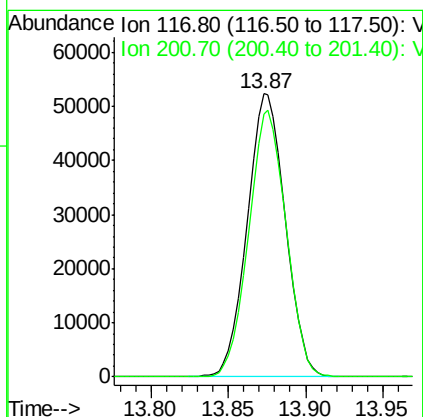
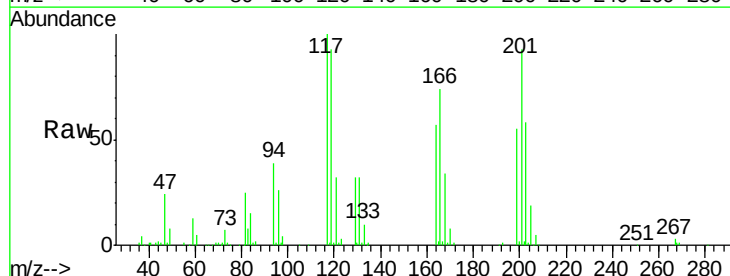
Instrument :
MSVOA_N
ClientSampleId :
VN0204MBSD01

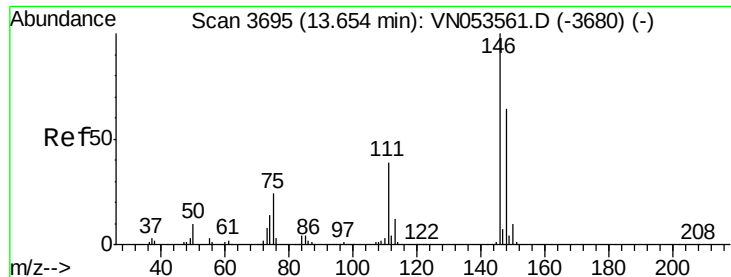
Tot Ion: 91 Resp: 479165
Ion Ratio Lower Upper
91 100
92 52.4 26.3 78.8
134 26.8 13.5 40.5



#90
Hexachloroethane
Concen: 18.983 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN053598.D
Acq: 4 Feb 2019 15:56

Tgt Ion: 117 Resp: 89714
Ion Ratio Lower Upper
117 100
201 92.3 46.8 140.4

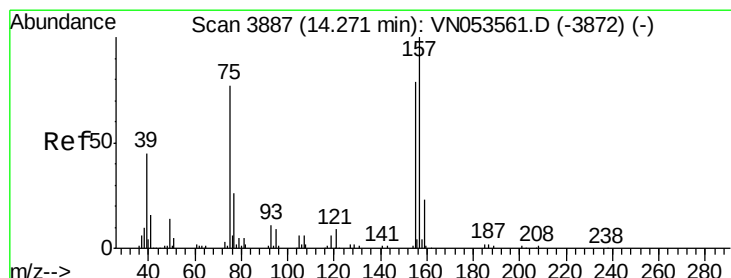
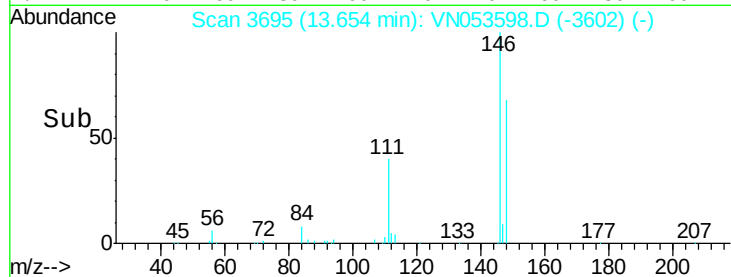
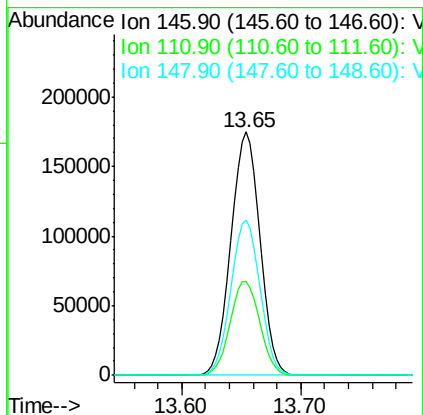
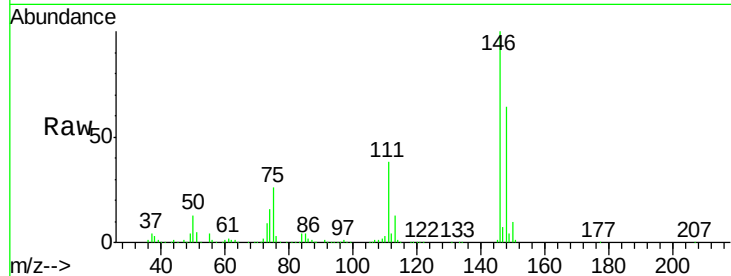




#91
 1,2-Dichlorobenzene
 Concen: 19.406 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN053598.D
 Acq: 4 Feb 2019 15:56

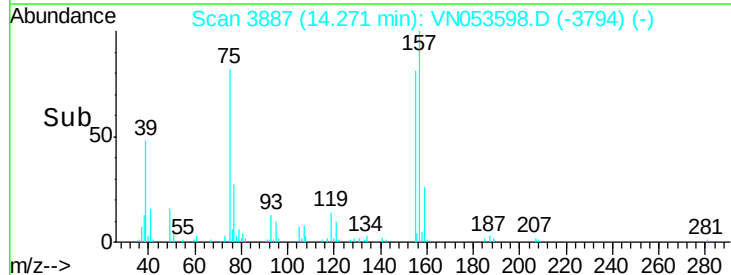
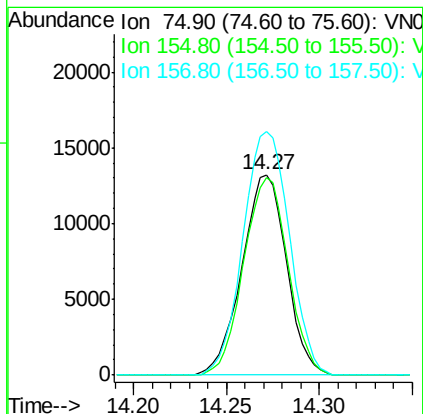
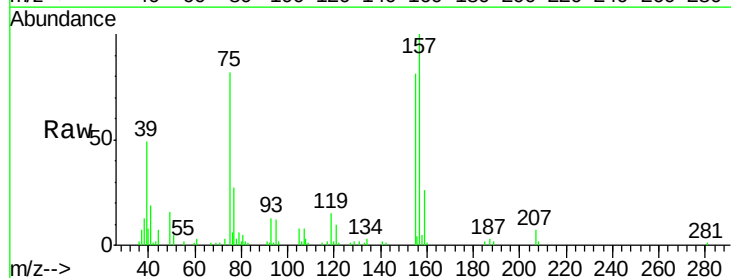
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0204MBSD01

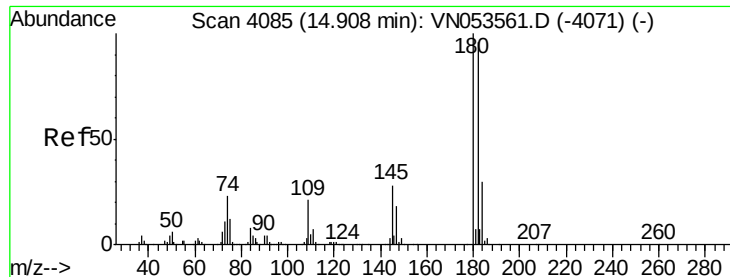
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	19.5	58.5
148	64.1	31.9	95.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.692 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN053598.D
 Acq: 4 Feb 2019 15:56

Tgt Ion	Ratio	Lower	Upper
75	100		
155	98.1	48.9	146.7
157	126.6	63.7	191.3

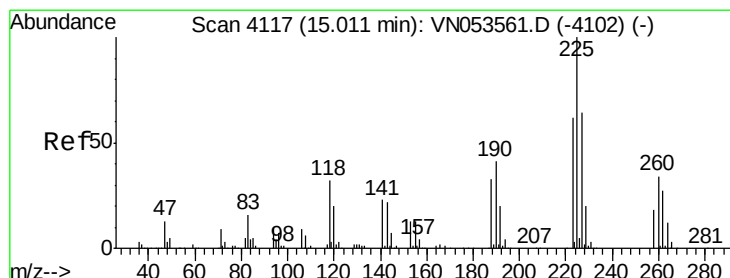
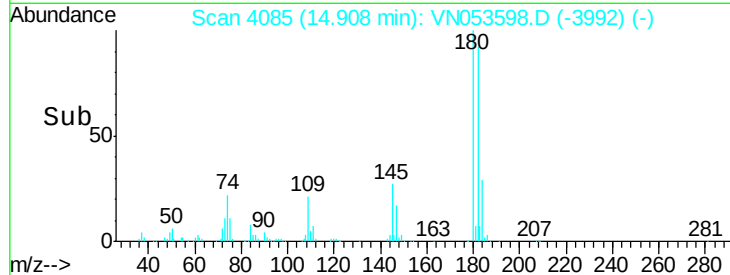
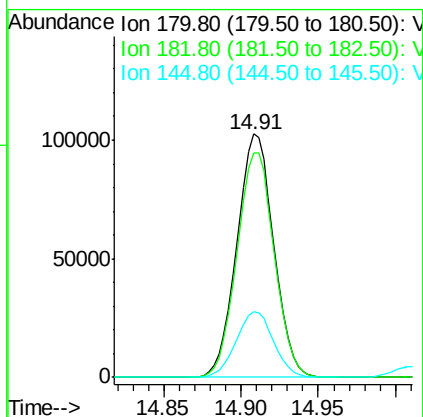
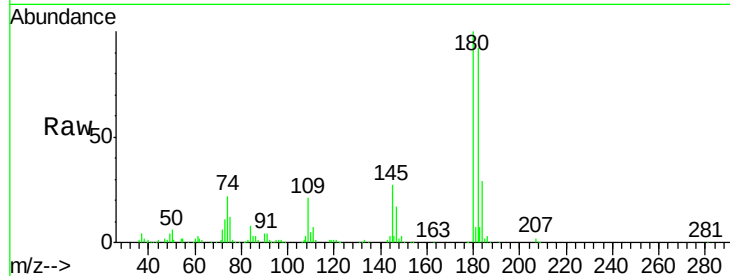




#93
 1,2,4-Trichlorobenzene
 Concen: 19.395 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN053598.D
 Acq: 4 Feb 2019 15:56

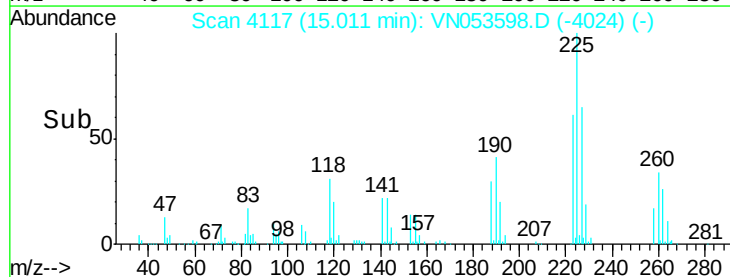
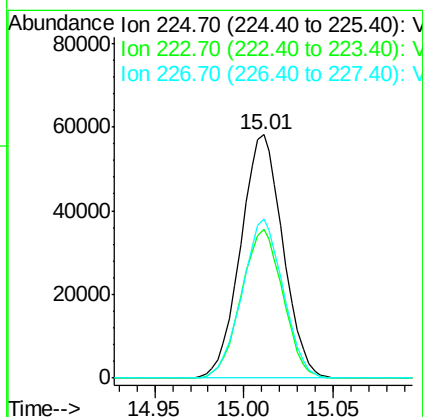
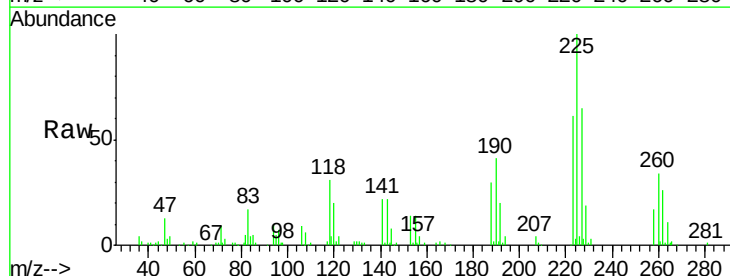
Instrument :
 MSVOA_N
 ClientSampled :
 VN0204MBSD01

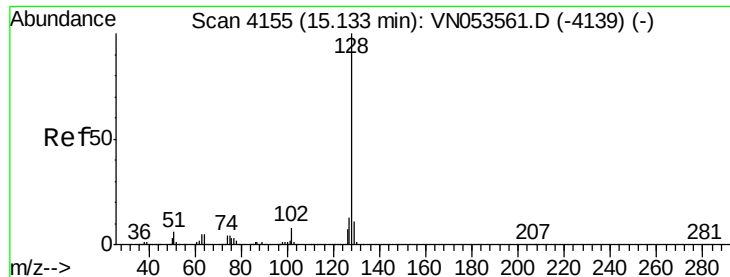
Tot Ion:180 Resp: 169474
 Ion Ratio Lower Upper
 180 100
 182 93.8 48.1 144.3
 145 27.5 13.9 41.6



#94
 Hexachlorobutadiene
 Concen: 17.662 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053598.D
 Acq: 4 Feb 2019 15:56

Tgt Ion:225 Resp: 96111
 Ion Ratio Lower Upper
 225 100
 223 60.3 31.1 93.2
 227 63.7 32.0 96.2





#95

Naphthalene

Concen: 19.860 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053598.D

Acq: 4 Feb 2019 15:56

Instrument :

MSVOA_N

ClientSampleId :

VN0204MBSD01

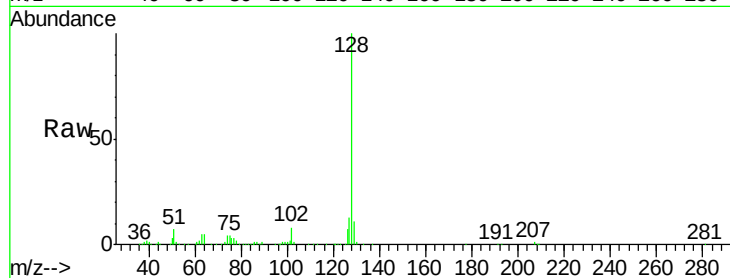
Tot Ion:128 Resp: 385390

Ion Ratio Lower Upper

128 100

127 12.8 10.3 15.5

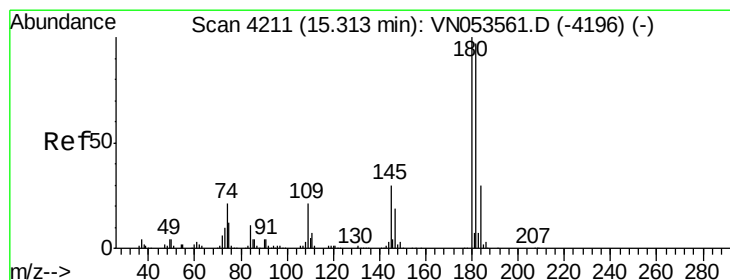
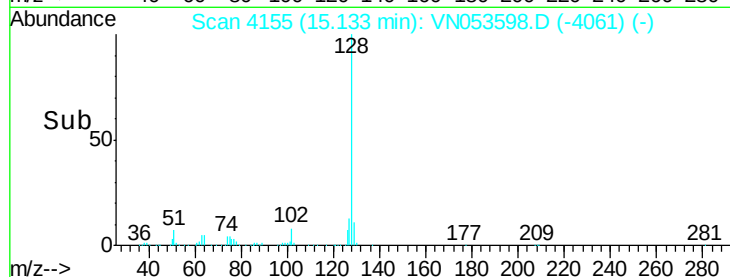
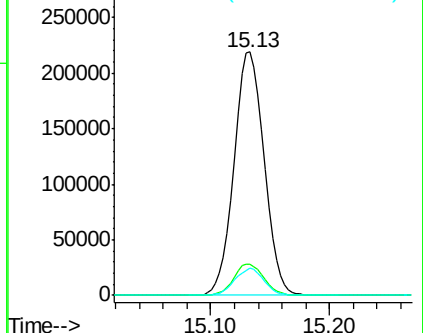
129 10.8 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 19.700 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN053598.D

Acq: 4 Feb 2019 15:56

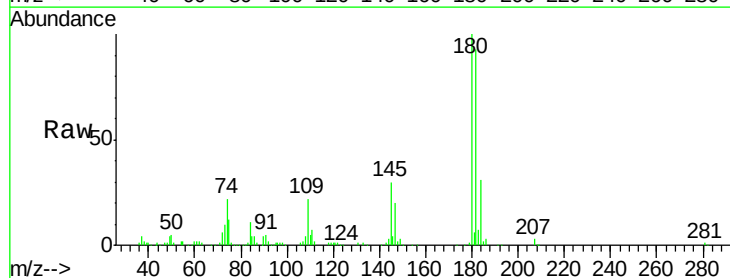
Tgt Ion:180 Resp: 159716

Ion Ratio Lower Upper

180 100

182 94.1 47.9 143.8

145 29.9 14.7 44.1



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

