

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN122118\
 Data File : VN053096.D
 Acq On : 21 Dec 2018 11:11
 Operator : MD\SY
 Sample : VN1221WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1221WBSD01

Quant Time: Dec 22 00:55:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N112618W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Nov 27 00:48:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	167903	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	982807	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	867135	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	327218	28.60	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	95.33%
60) 4-Bromofluorobenzene	12.40	95	403560	30.44	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	101.47%
63) Toluene-d8	10.09	98	1149950	28.60	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	95.33%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	165113	17.266	ug/l 100
3) Chloromethane	2.06	50	218156	17.202	ug/l 100
4) Vinyl Chloride	2.19	62	229603	17.938	ug/l 99
5) Bromomethane	2.58	94	144381	19.783	ug/l 99
6) Chloroethane	2.71	64	140905	18.511	ug/l 99
7) Trichlorofluoromethane	3.03	101	296889	18.794	ug/l 100
8) Diethyl Ether	3.42	74	121655	20.856	ug/l 89
9) 1,1,2-Trichlorotrifluoroet	3.77	101	190557	19.029	ug/l 96
10) 1,1-Dichloroethene	3.74	96	187065	19.868	ug/l 93
11) Methyl Iodide	3.96	142	232782	17.806	ug/l 99
12) Methyl Acetate	4.33	43	183389	22.923	ug/l 97
13) Acrolein	3.61	56	82548	87.841	ug/l 100
14) Acrylonitrile	4.99	53	382511	112.216	ug/l 99
15) Acetone	3.82	58	82651	93.626	ug/l 90
16) Carbon Disulfide	4.06	76	507378	17.020	ug/l 100
17) Allyl chloride	4.33	41	285429	17.382	ug/l 97
18) Methylene Chloride	4.56	84	219609	20.144	ug/l 93
19) trans-1,2-Dichloroethene	5.05	96	197418	19.483	ug/l 93
20) Diisopropyl ether	5.95	45	663505	19.228	ug/l 97
21) 1,1-Dichloroethane	5.85	63	380919	19.368	ug/l 99
22) cis-1,2-Dichloroethene	6.83	96	234868	20.225	ug/l 96
23) tert-Butyl Alcohol	4.78	59	73321	144.595	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	551586	22.331	ug/l 96
25) Chloroform	7.37	83	371978	19.604	ug/l 97
26) Cyclohexane	7.66	56	329812	17.780	ug/l # 96
29) 1,1-Dichloropropene	7.80	75	285388	19.015	ug/l 98
30) 2-Butanone	6.84	43	421655	104.993	ug/l 97
31) 2,2-Dichloropropane	6.83	77	284238	20.571	ug/l 99
32) 1,1,1-Trichloroethane	7.57	97	310724	19.897	ug/l 97
33) Carbon Tetrachloride	7.78	117	268125	19.622	ug/l 99
34) Benzene	8.05	78	878202	19.462	ug/l 97
35) Methacrylonitrile	7.17	41	94881	19.042	ug/l 97
36) 1,2-Dichloroethane	8.13	62	262012	19.162	ug/l 97
37) Trichloroethene	8.84	130	237486	20.755	ug/l 98
38) Methylcyclohexane	9.08	83	326452	17.571	ug/l 96
39) 1,2-Dichloropropane	9.12	63	235086	19.436	ug/l 99
40) Dibromomethane	9.21	93	135181	20.681	ug/l 94

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Nov 27 00:48:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	284450	19.697	ug/l	99
42) Vinyl Acetate	5.90	43	2079505	95.701	ug/l	97
43) Ethyl Acetate	6.84	43	421655	49.376	ug/l	100
44) Isopropyl Acetate	8.17	43	349674	23.348	ug/l #	80
45) 1,4-Dioxane	9.20	88	45154	551.108	ug/l	89
46) Methyl methacrylate	9.20	41	173222	22.276	ug/l	97
47) n-amyl Acetate	12.07	43	300440	24.194	ug/l	97
48) t-1,3-Dichloropropene	10.38	75	290006	20.711	ug/l	98
49) cis-1,3-Dichloropropene	9.84	75	340145	19.938	ug/l	97
50) 1,1,2-Trichloroethane	10.56	97	199747	21.558	ug/l	99
51) Ethyl methacrylate	10.43	69	268854	23.104	ug/l	92
52) 1,3-Dichloropropane	10.71	76	339267	20.572	ug/l	99
53) Dibromochloromethane	10.90	129	217559	21.328	ug/l	98
54) 1,2-Dibromoethane	11.01	107	199717	22.059	ug/l	98
55) 2-Chloroethyl vinyl ether	9.70	63	764418	112.222	ug/l	98
56) Bromoform	12.13	173	151331	22.696	ug/l	100
58) 4-Methyl-2-Pentanone	9.99	43	973419	115.792	ug/l	97
59) 2-Hexanone	10.75	43	670611	116.776	ug/l	97
61) Tetrachloroethene	10.63	164	251437	23.543	ug/l	96
62) Toluene	10.16	91	948834	19.849	ug/l	99
64) Chlorobenzene	11.44	112	599256	20.539	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	212426	20.975	ug/l	98
66) Ethyl Benzene	11.51	91	1029954	19.991	ug/l	100
67) m/p-Xylenes	11.62	106	782961	40.792	ug/l	98
68) o-Xylene	11.95	106	386856	20.766	ug/l	98
69) Styrene	11.97	104	629967	20.950	ug/l	98
70) Isopropylbenzene	12.25	105	1018455	20.547	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.51	83	236559	21.939	ug/l	100
72) 1,2,3-Trichloropropane	12.56	75	308439	33.323	ug/l	42
73) Bromobenzene	12.53	156	261521	21.815	ug/l	95
74) n-propylbenzene	12.59	91	1135111	19.654	ug/l	99
75) 2-Chlorotoluene	12.68	91	681446	20.328	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	804040	20.083	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	65841	22.518	ug/l	96
78) 4-Chlorotoluene	12.78	91	678023	20.253	ug/l	99
79) tert-butylbenzene	12.99	119	710394	20.374	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	810481	20.231	ug/l	100
81) sec-Butylbenzene	13.17	105	938162	19.318	ug/l	100
82) p-Isopropyltoluene	13.29	119	805522	19.479	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	440290	20.882	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	435853	21.396	ug/l	98
85) n-Butylbenzene	13.62	91	635308	17.885	ug/l	98
86) Hexachloroethane	13.88	117	126323	18.028	ug/l	95
87) 1,2-Dichlorobenzene	13.65	146	424719	21.168	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	33829	22.398	ug/l	91
89) 1,2,4-Trichlorobenzene	14.91	180	203704	20.607	ug/l	99
90) Hexachlorobutadiene	15.01	225	128879	19.874	ug/l	99
91) Naphthalene	15.14	128	464076	23.247	ug/l	99
92) 1,2,3-Trichlorobenzene	15.32	180	189608	20.813	ug/l	97

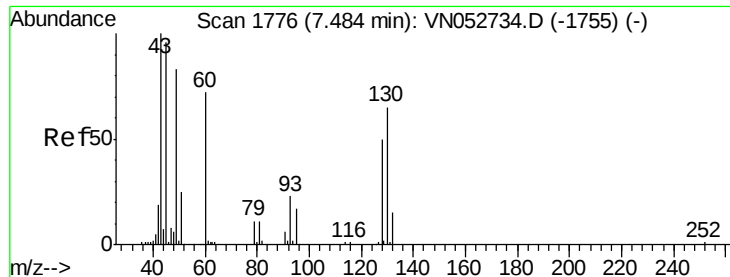
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN122118\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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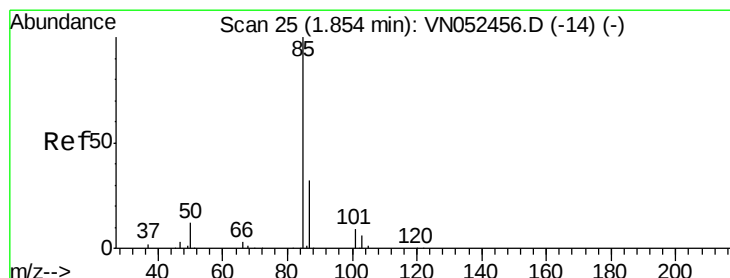
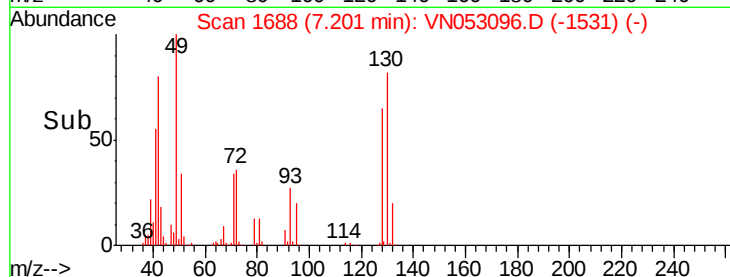
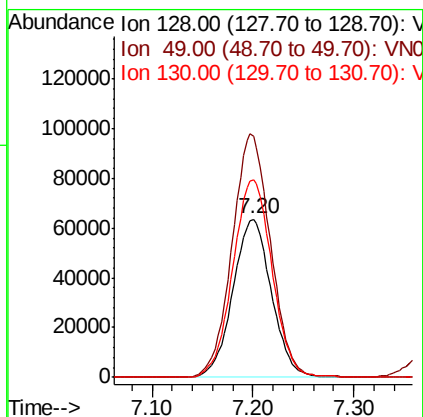
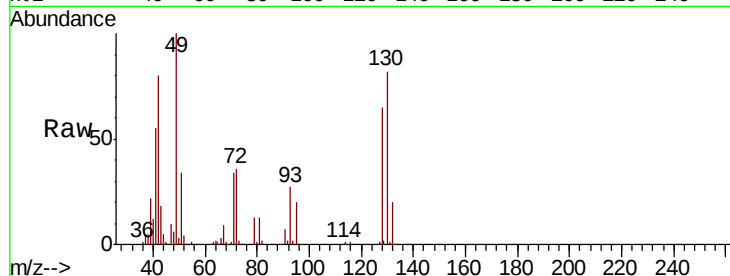
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
 Bromochloromethane
 Concen: 30.000 ug/l
 RT: 7.20 min Scan# 1688
 Delta R.T. 0.00 min
 Lab File: VN053096.D
 Acq: 21 Dec 2018 11:11

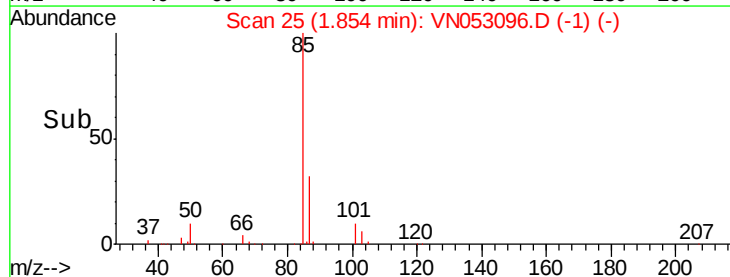
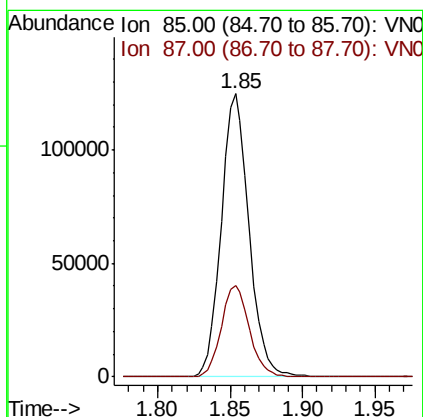
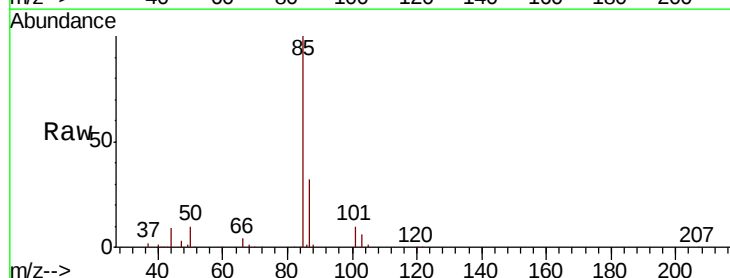
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1221WBSD01

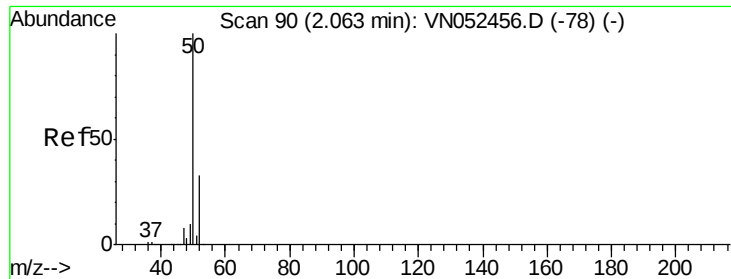
Tot Ion:128 Resp: 167903
 Ion Ratio Lower Upper
 128 100
 49 154.3 0.0 431.8
 130 127.9 0.0 317.0



#2
 Dichlorodifluoromethane
 Concen: 17.266 ug/l
 RT: 1.85 min Scan# 25
 Delta R.T. 0.00 min
 Lab File: VN053096.D
 Acq: 21 Dec 2018 11:11

Tgt Ion: 85 Resp: 165113
 Ion Ratio Lower Upper
 85 100
 87 32.4 16.1 48.3





#3

Chloromethane

Concen: 17.202 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN053096.D

Acq: 21 Dec 2018 11:11

Instrument :

MSVOA_N

ClientSampleId :

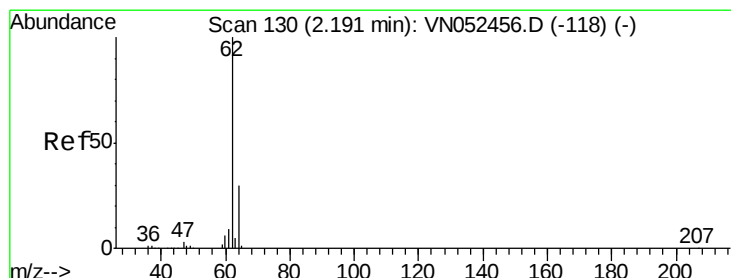
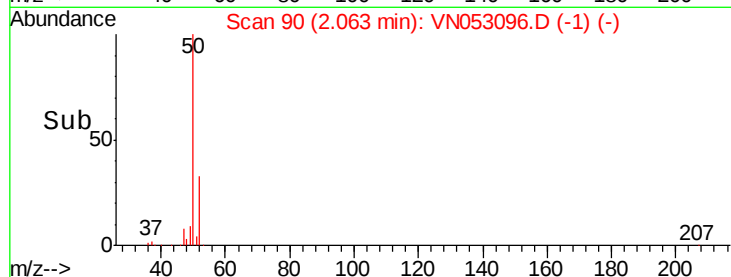
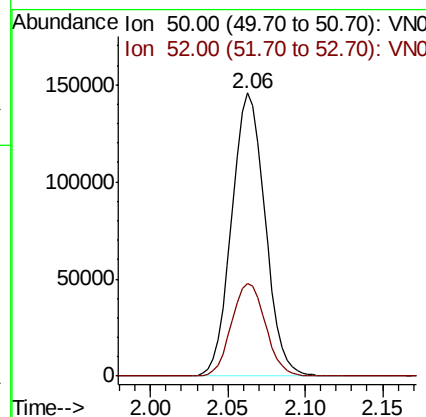
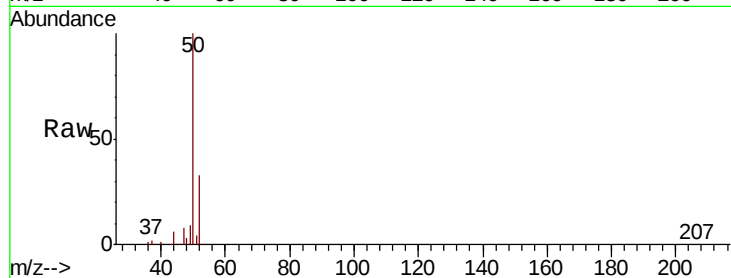
VN1221WBSD01

Tot Ion: 50 Resp: 218156

Ion Ratio Lower Upper

50 100

52 32.9 26.5 39.7



#4

Vinyl Chloride

Concen: 17.938 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN053096.D

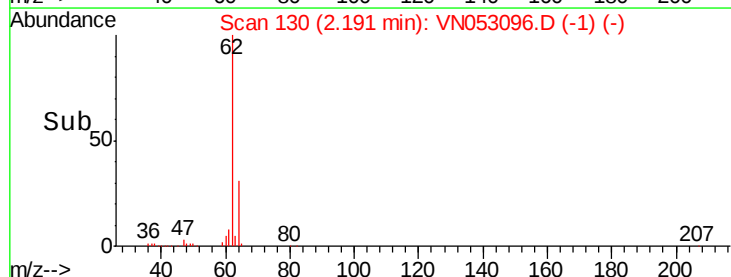
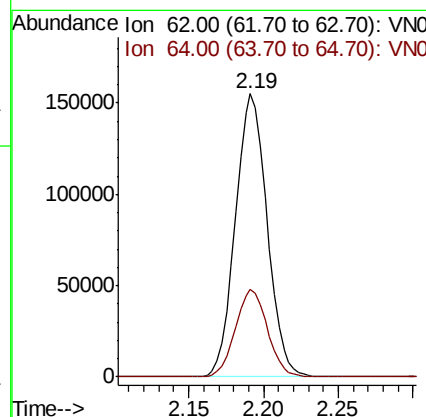
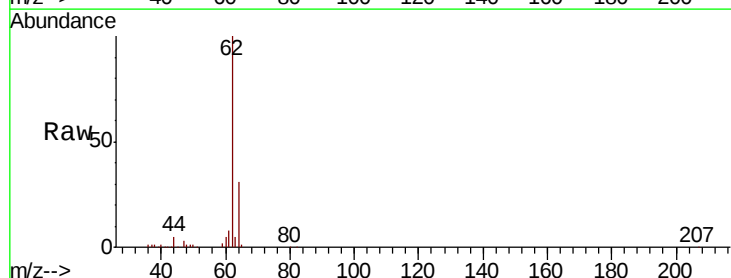
Acq: 21 Dec 2018 11:11

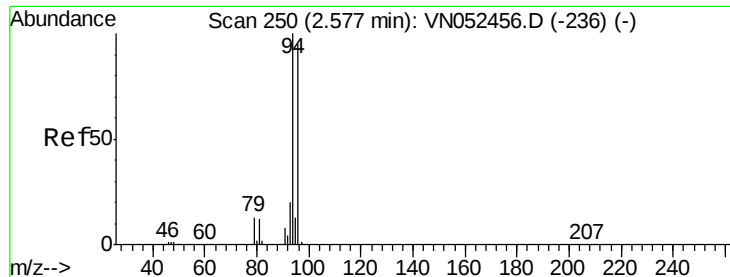
Tgt Ion: 62 Resp: 229603

Ion Ratio Lower Upper

62 100

64 30.9 24.2 36.4





#5

Bromomethane

Concen: 19.783 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN053096.D

Acq: 21 Dec 2018 11:11

Instrument :

MSVOA_N

ClientSampleId :

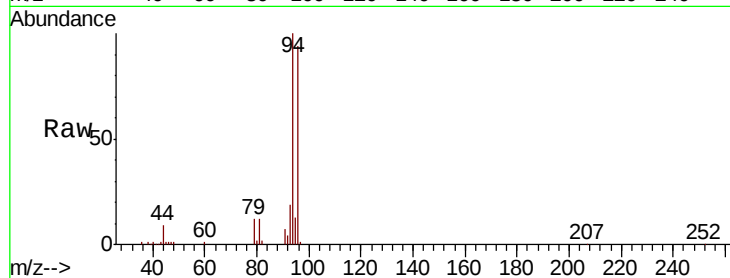
VN1221WBSD01

Tot Ion: 94 Resp: 144381

Ion Ratio Lower Upper

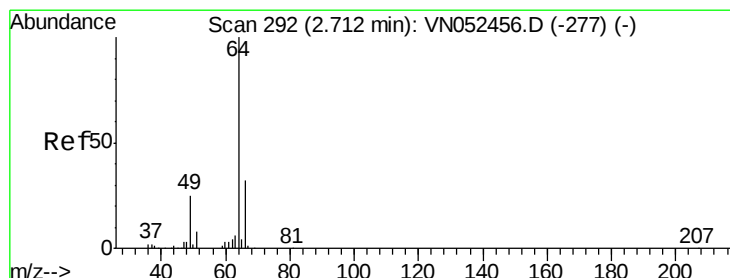
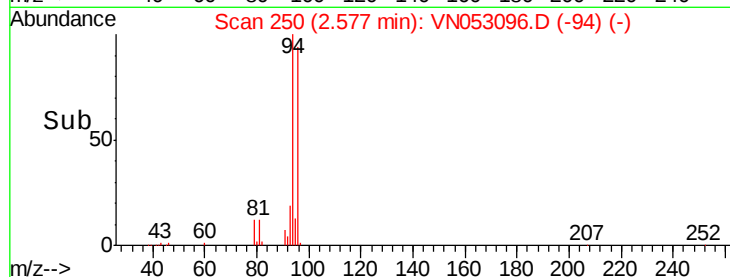
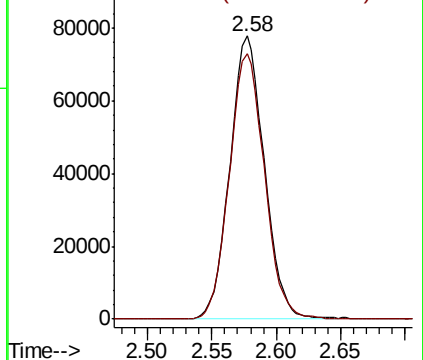
94 100

96 93.8 76.2 114.2



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 18.511 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN053096.D

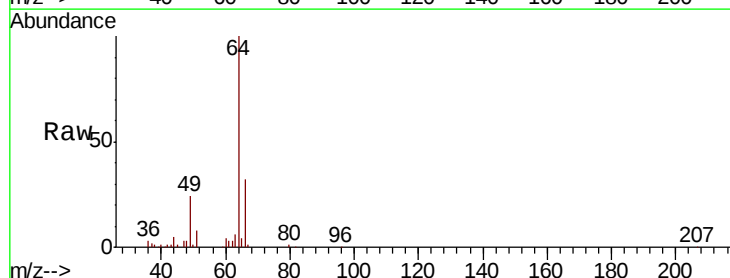
Acq: 21 Dec 2018 11:11

Tgt Ion: 64 Resp: 140905

Ion Ratio Lower Upper

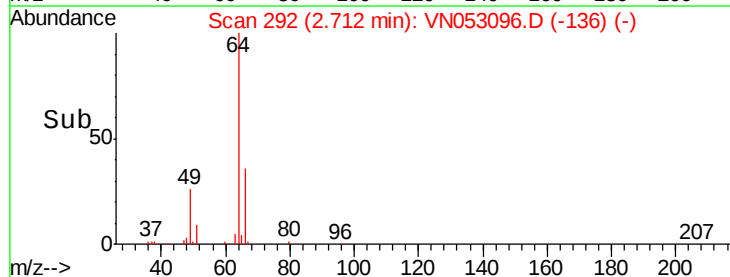
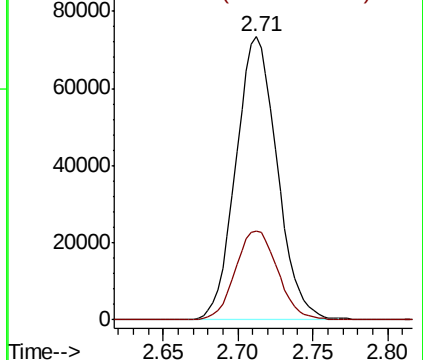
64 100

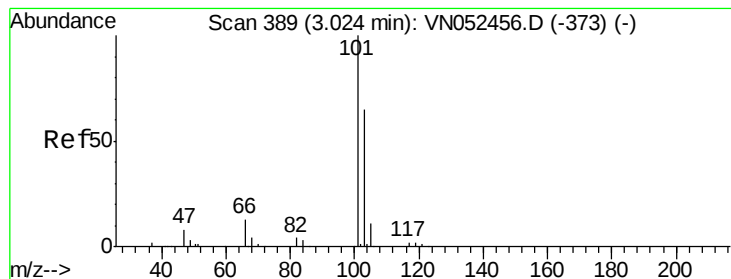
66 31.5 25.6 38.4



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0



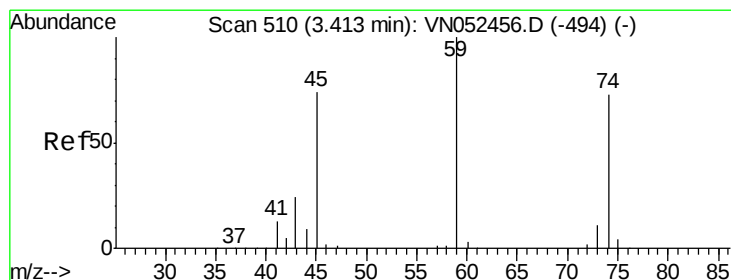
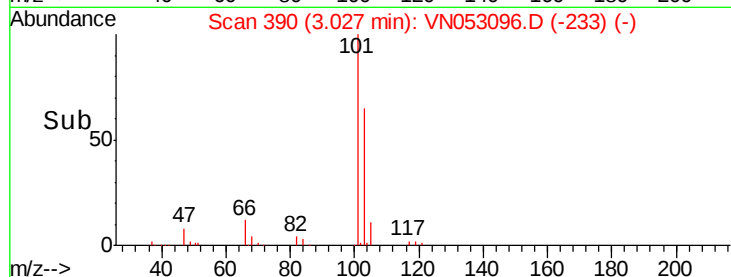
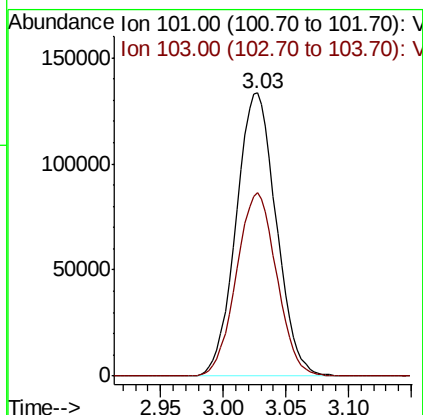
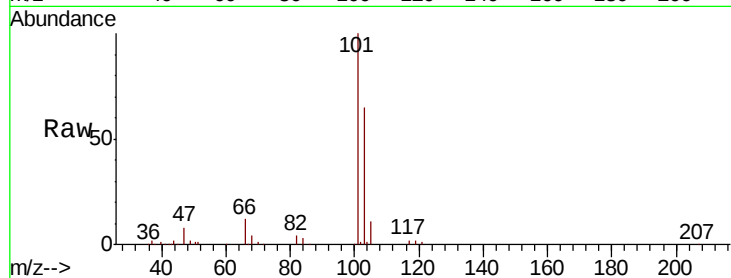


#7

Trichlorofluoromethane
 Concen: 18.794 ug/l
 RT: 3.03 min Scan# 390
 Delta R.T. 0.00 min
 Lab File: VN053096.D
 Acq: 21 Dec 2018 11:11

Instrument :
 MSVOA_N
 ClientSampled :
 VN1221WBSD01

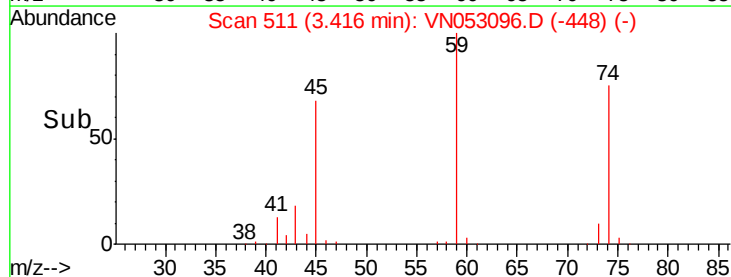
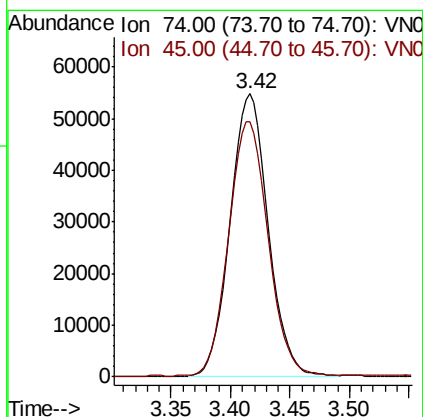
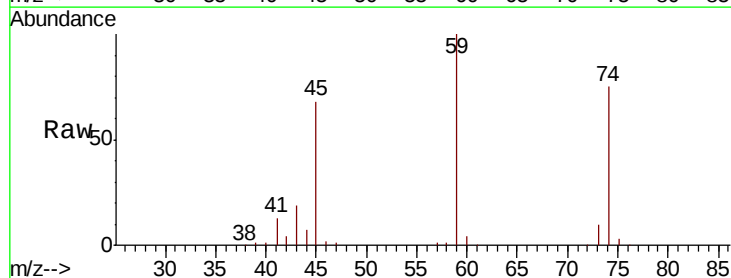
Tot Ion:101 Resp: 296889
 Ion Ratio Lower Upper
 101 100
 103 64.7 52.1 78.1

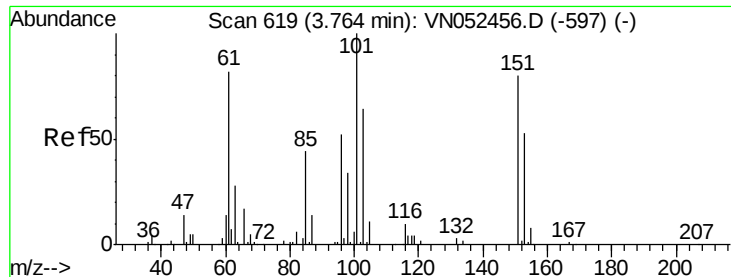


#8

Diethyl Ether
 Concen: 20.856 ug/l
 RT: 3.42 min Scan# 511
 Delta R.T. 0.00 min
 Lab File: VN053096.D
 Acq: 21 Dec 2018 11:11

Tgt Ion: 74 Resp: 121655
 Ion Ratio Lower Upper
 74 100
 45 92.1 20.6 185.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.029 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.00 min

Lab File: VN053096.D

Acq: 21 Dec 2018 11:11

Instrument :

MSVOA_N

ClientSampleId :

VN1221WBSD01

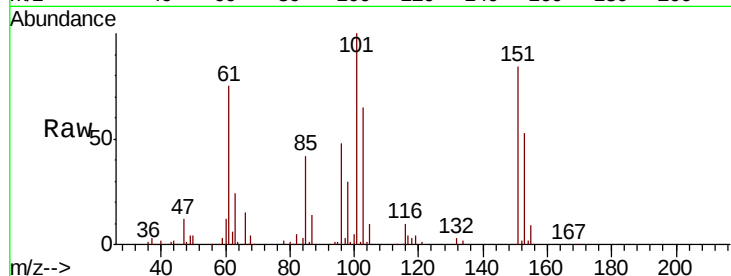
Tot Ion:101 Resp: 190557

Ion Ratio Lower Upper

101 100

85 41.7 0.0 82.6

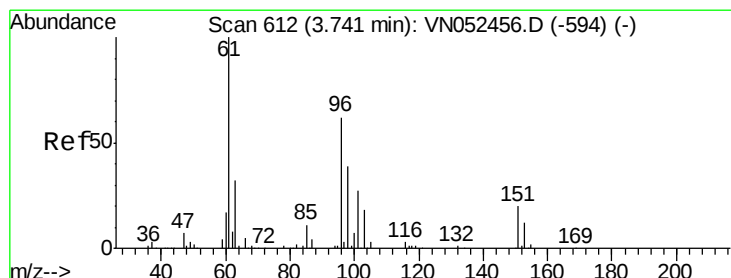
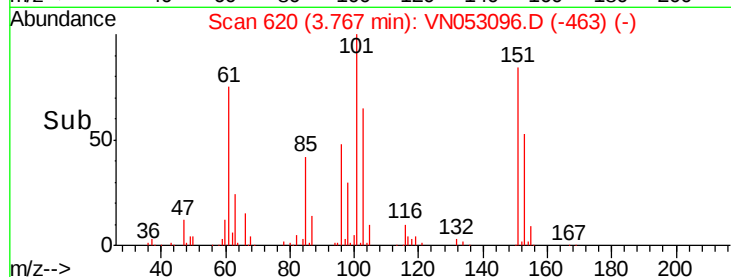
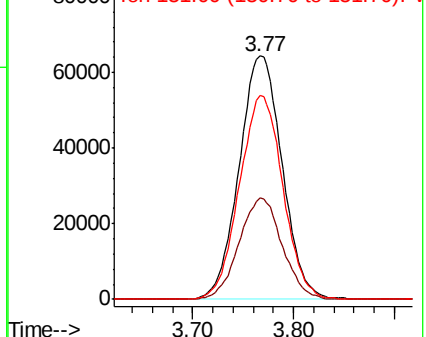
151 84.5 0.0 158.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN0

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 19.868 ug/l

RT: 3.74 min Scan# 613

Delta R.T. 0.00 min

Lab File: VN053096.D

Acq: 21 Dec 2018 11:11

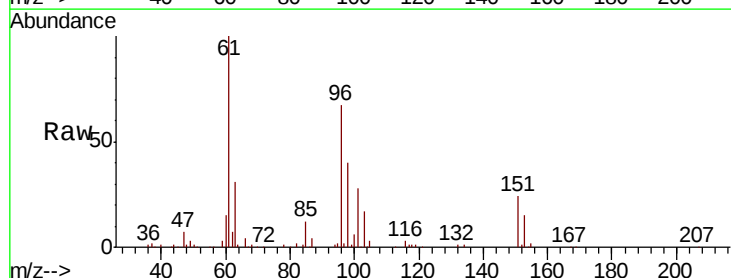
Tgt Ion: 96 Resp: 187065

Ion Ratio Lower Upper

96 100

61 149.7 129.4 194.2

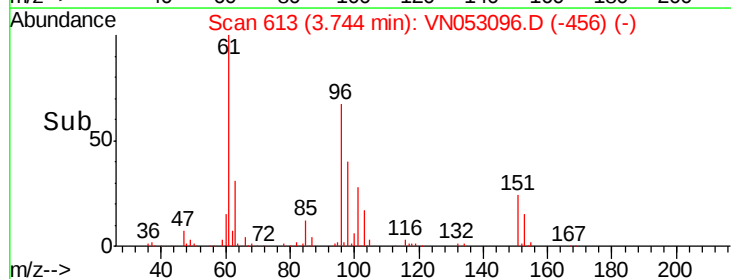
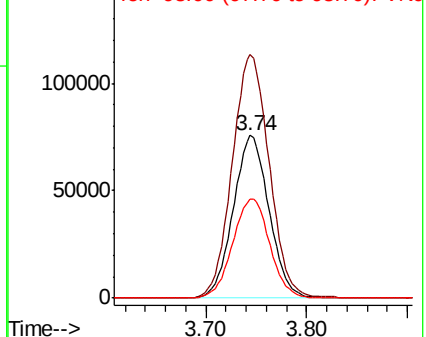
98 60.6 50.4 75.6

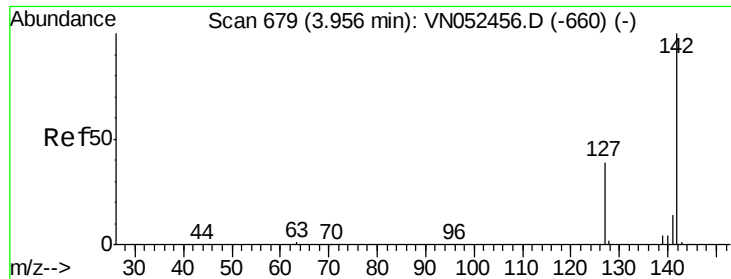


Abundance Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0

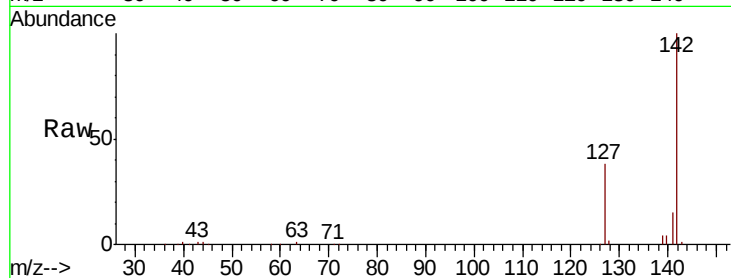




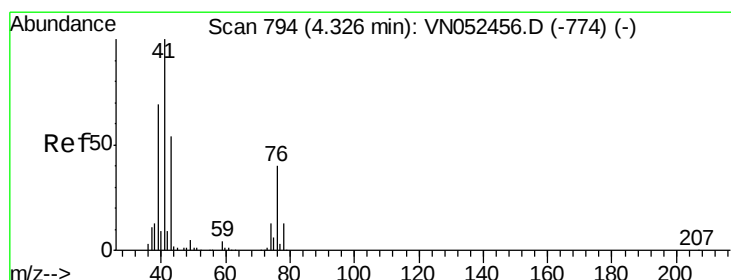
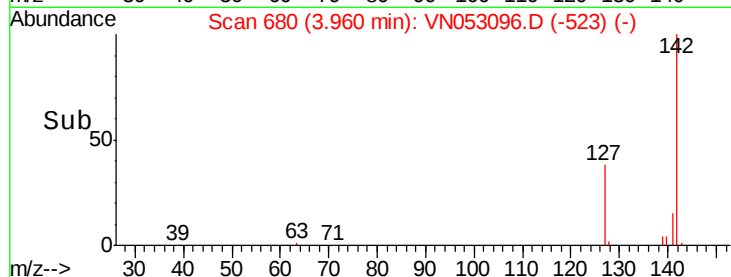
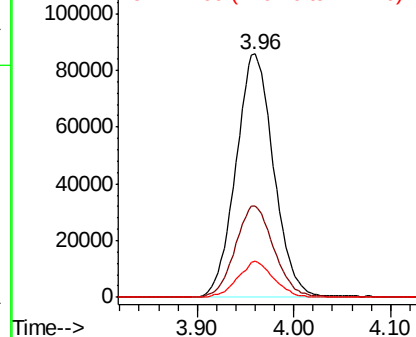
#11
Methvl Iodide
Concen: 17.806 ug/l
RT: 3.96 min Scan# 680
Delta R.T. 0.00 min
Lab File: VN053096.D
Acq: 21 Dec 2018 11:11

Instrument :
MSVOA_N
ClientSampleId :
VN1221WBSD01

Tot Ion:142 Resp: 232782
Ion Ratio Lower Upper
142 100
127 37.7 19.4 58.1
141 14.8 7.2 21.6

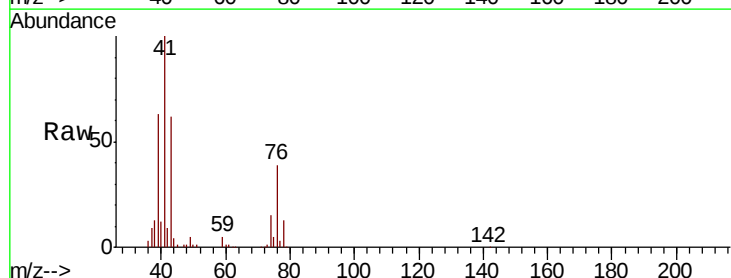


Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 141.00 (140.70 to 141.70): V

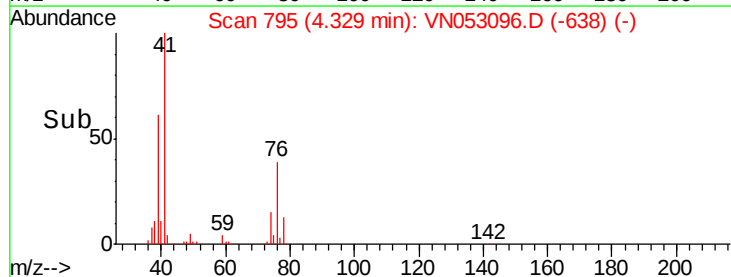
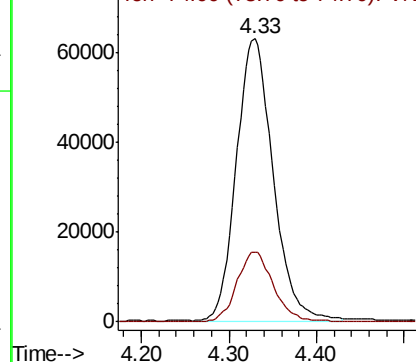


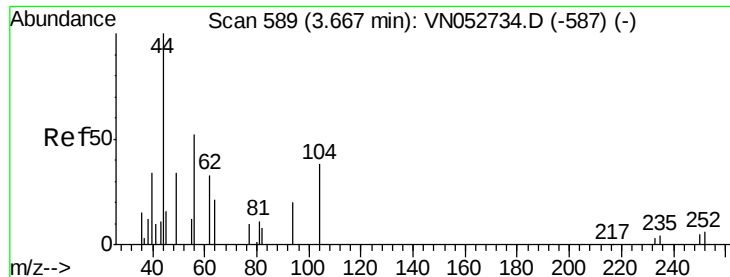
#12
Methyl Acetate
Concen: 22.923 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN053096.D
Acq: 21 Dec 2018 11:11

Tgt Ion: 43 Resp: 183389
Ion Ratio Lower Upper
43 100
74 24.8 18.9 28.3



Abundance Ion 43.00 (42.70 to 43.70): V
Ion 74.00 (73.70 to 74.70): V





#13

Acrolein

Concen: 87.841 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN053096.D

Acq: 21 Dec 2018 11:11

Instrument :

MSVOA_N

ClientSampleId :

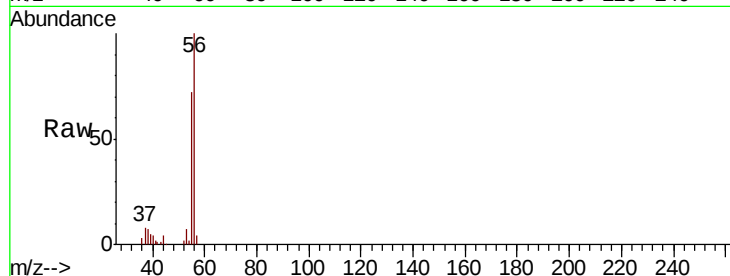
VN1221WBSD01

Tot Ion: 56 Resp: 82548

Ion Ratio Lower Upper

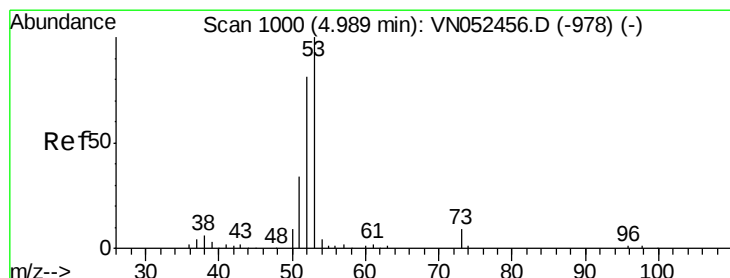
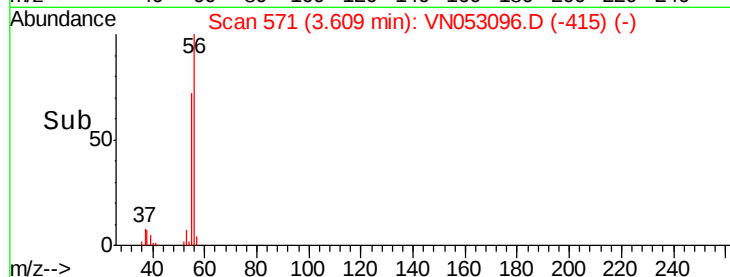
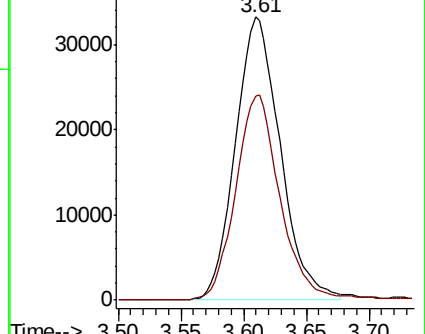
56 100

55 71.1 56.7 85.1



Abundance Ion 56.00 (55.70 to 56.70): VN052734.D (-587) (-)

Ion 55.00 (54.70 to 55.70): VN052734.D (-587) (-)



#14

Acrylonitrile

Concen: 112.216 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN053096.D

Acq: 21 Dec 2018 11:11

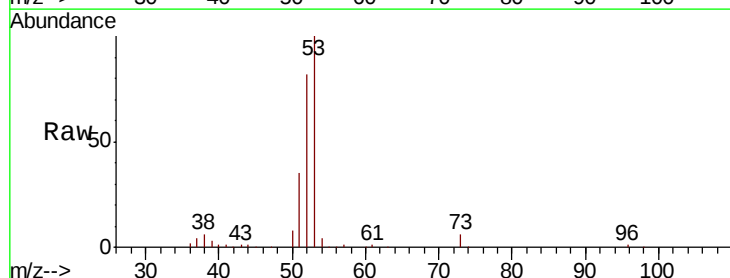
Tgt Ion: 53 Resp: 382511

Ion Ratio Lower Upper

53 100

52 80.6 39.9 119.7

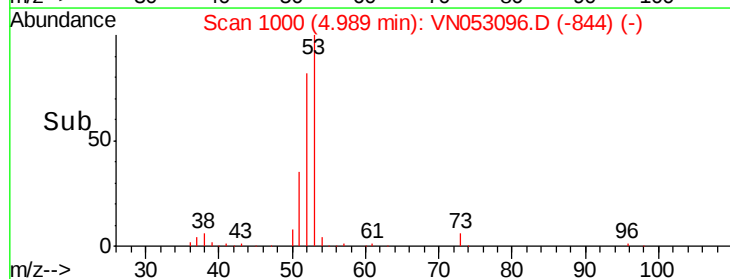
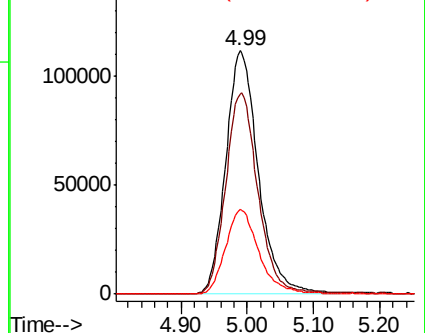
51 35.7 17.6 52.9

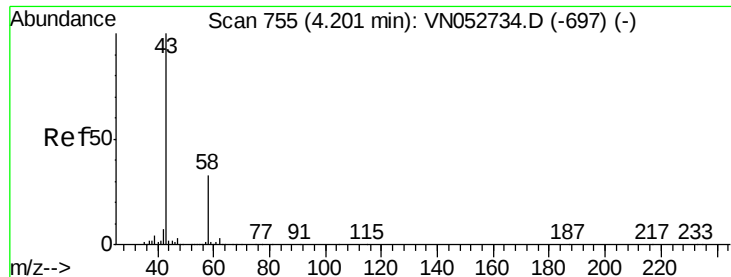


Abundance Ion 53.00 (52.70 to 53.70): VN052456.D (-978) (-)

Ion 52.00 (51.70 to 52.70): VN052456.D (-978) (-)

Ion 51.00 (50.70 to 51.70): VN052456.D (-978) (-)





#15

Acetone

Concen: 93.626 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN053096.D

Acq: 21 Dec 2018 11:11

Instrument :

MSVOA_N

ClientSampleId :

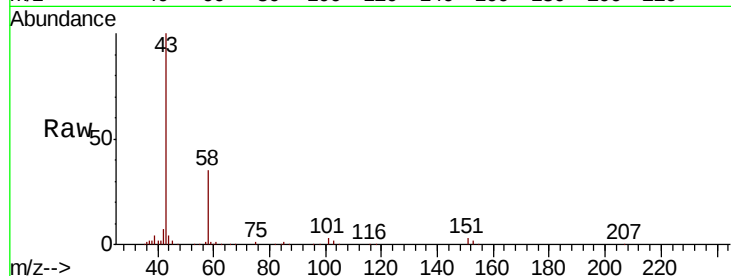
VN1221WBSD01

Tot Ion: 58 Resp: 82651

Ion Ratio Lower Upper

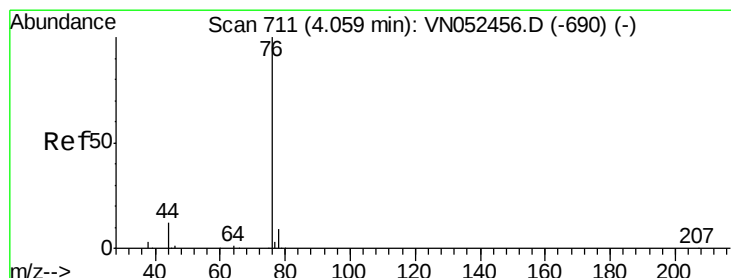
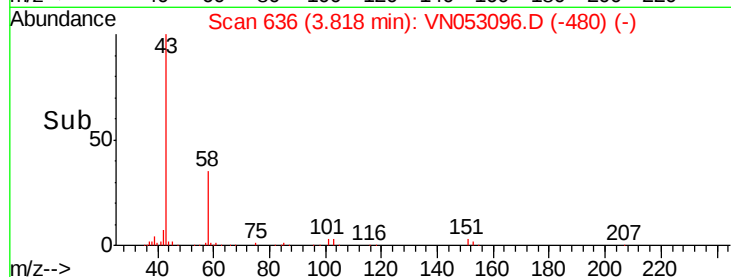
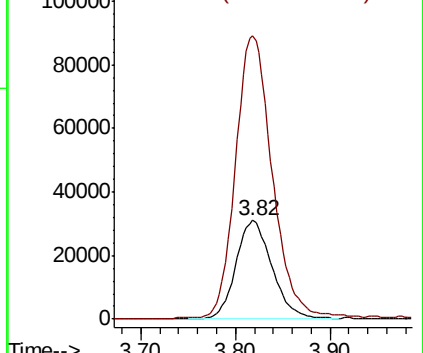
58 100

43 284.4 243.6 365.4



Abundance Ion 58.00 (57.70 to 58.70): VN052734.D (-697) (-)

Ion 43.00 (42.70 to 43.70): VN052734.D (-697) (-)



#16

Carbon Disulfide

Concen: 17.020 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN053096.D

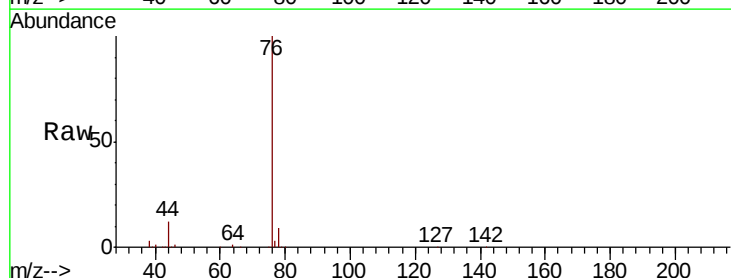
Acq: 21 Dec 2018 11:11

Tgt Ion: 76 Resp: 507378

Ion Ratio Lower Upper

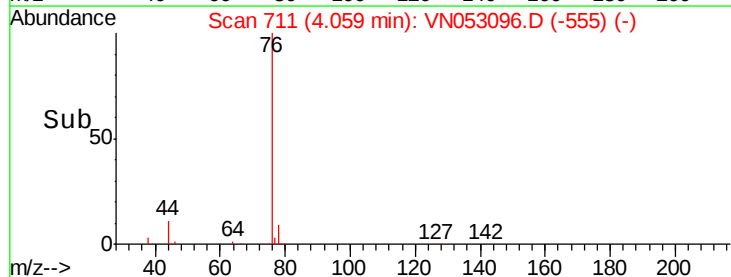
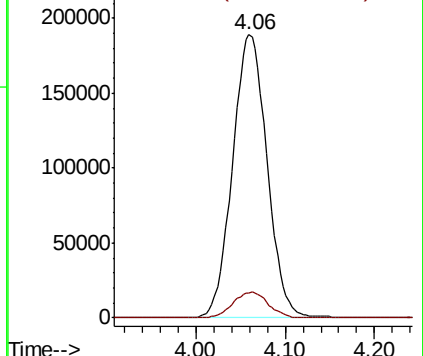
76 100

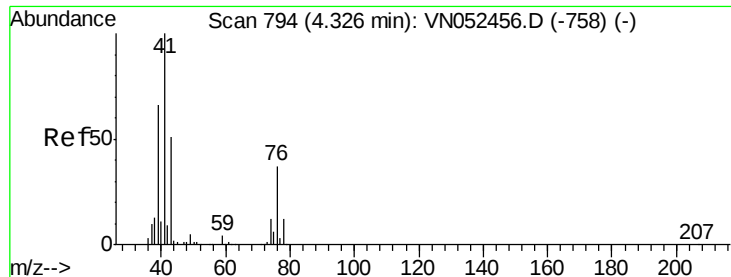
78 8.9 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN052456.D (-690) (-)

Ion 78.00 (77.70 to 78.70): VN052456.D (-690) (-)

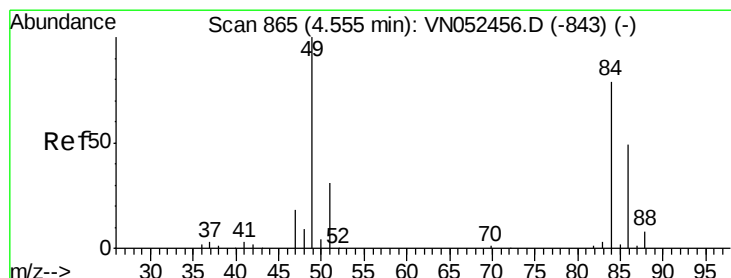
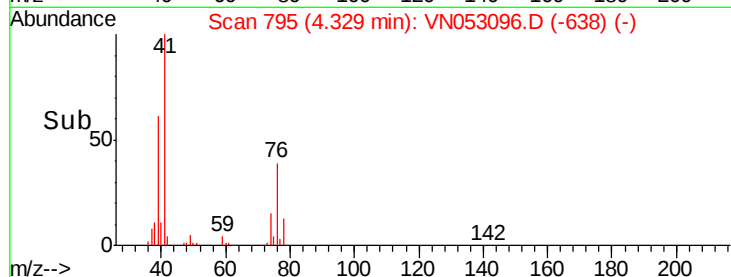
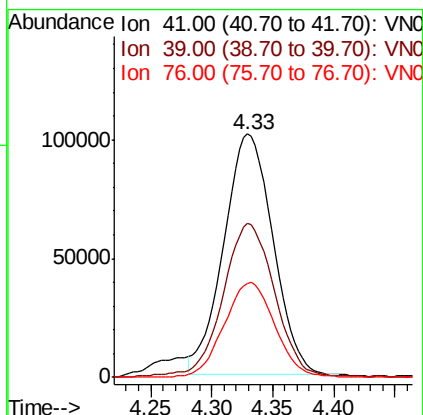
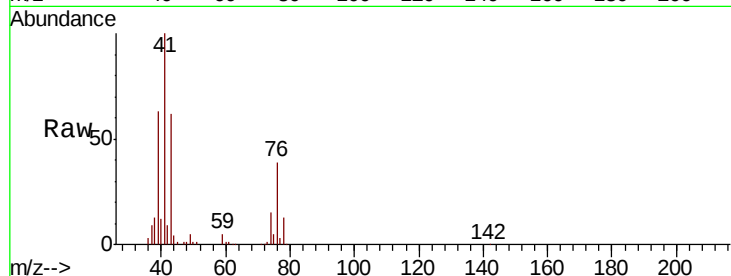




#17
Allvl chloride
Concen: 17.382 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN053096.D
Acq: 21 Dec 2018 11:11

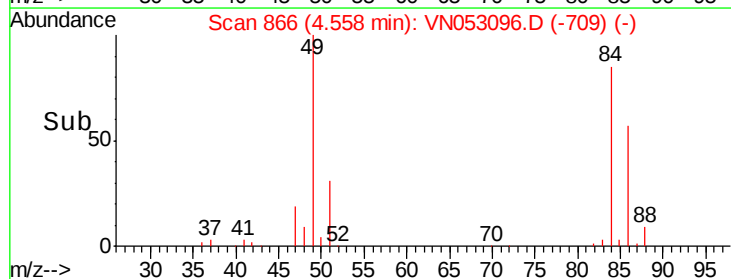
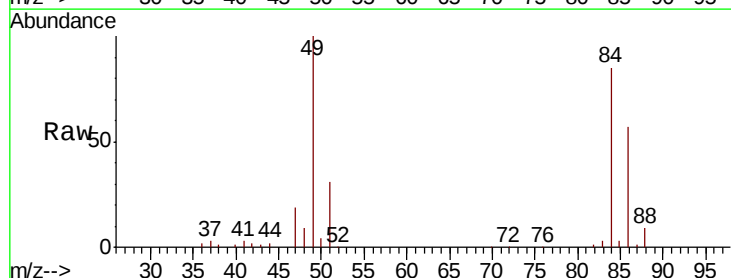
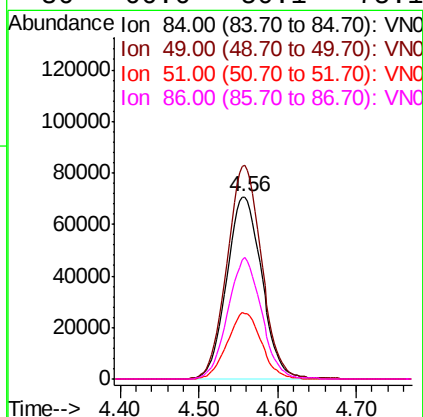
Instrument :
MSVOA_N
ClientSampleId :
VN1221WBSD01

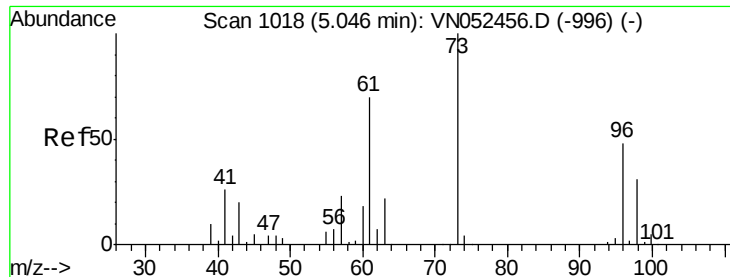
Tot Ion: 41 Resp: 285429
Ion Ratio Lower Upper
41 100
39 63.5 32.8 98.3
76 38.8 18.6 55.8



#18
Methylene Chloride
Concen: 20.144 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.00 min
Lab File: VN053096.D
Acq: 21 Dec 2018 11:11

Tgt Ion: 84 Resp: 219609
Ion Ratio Lower Upper
84 100
49 117.0 101.4 152.0
51 36.1 31.7 47.5
86 66.6 50.1 75.1

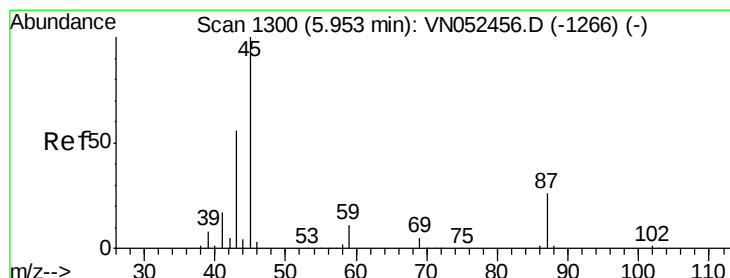
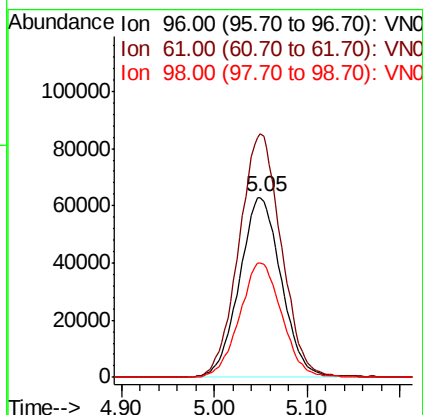
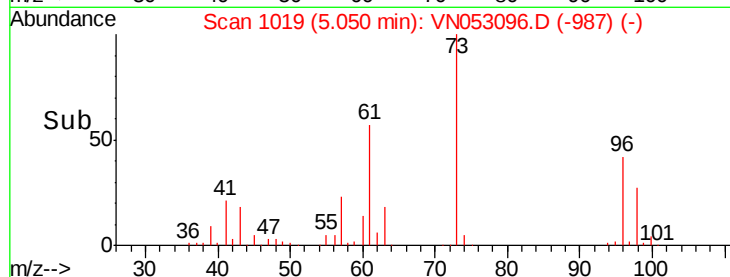
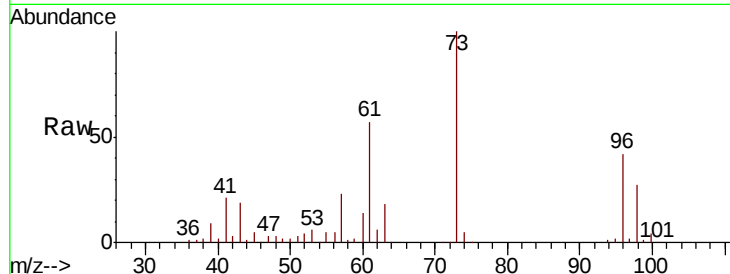




#19
trans-1,2-Dichloroethene
Concen: 19.483 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN053096.D
Acq: 21 Dec 2018 11:11

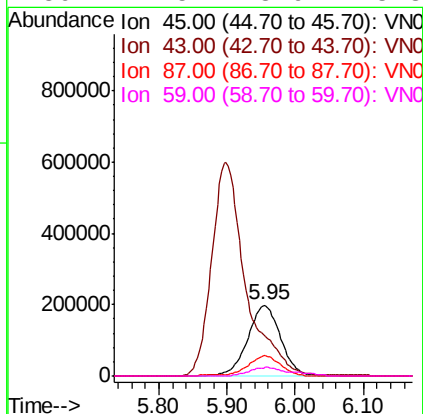
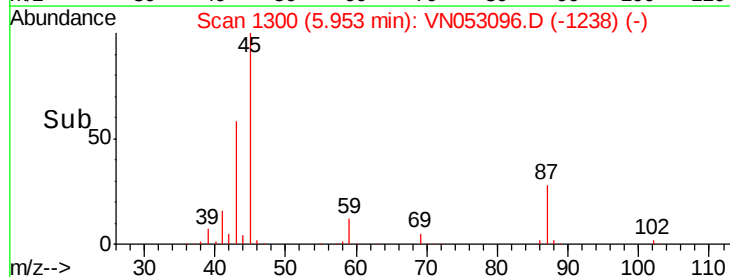
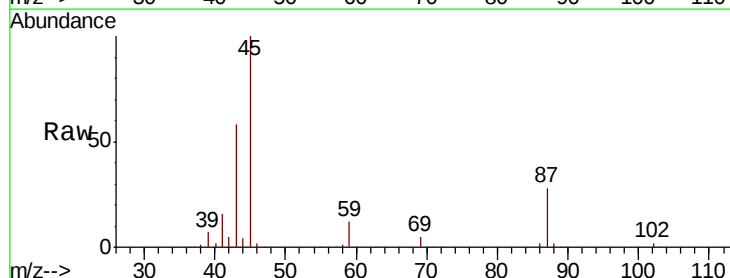
Instrument :
MSVOA_N
ClientSampled :
VN1221WBSD01

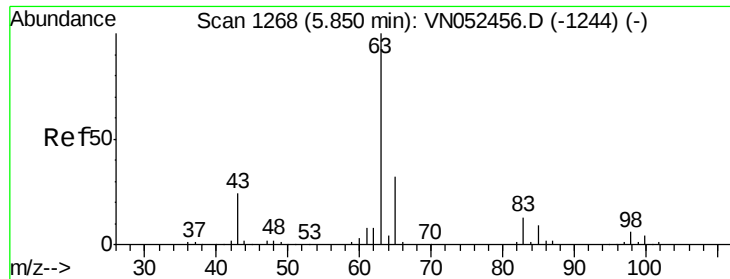
Tot Ion: 96 Resp: 197418
Ion Ratio Lower Upper
96 100
61 135.1 118.2 177.4
98 63.8 51.4 77.2



#20
Diisopropyl ether
Concen: 19.228 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN053096.D
Acq: 21 Dec 2018 11:11

Tgt Ion: 45 Resp: 663505
Ion Ratio Lower Upper
45 100
43 57.1 47.8 71.8
87 28.2 21.3 31.9
59 11.5 8.9 13.3

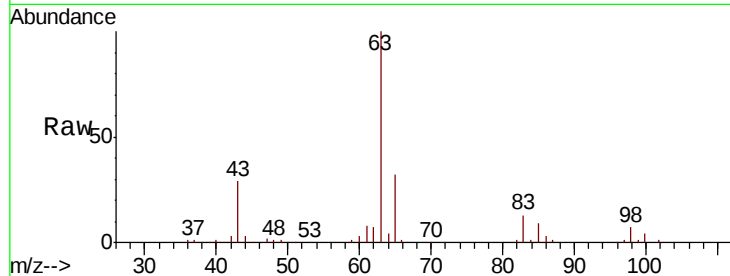




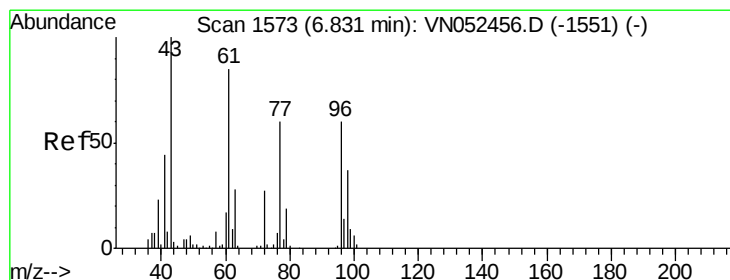
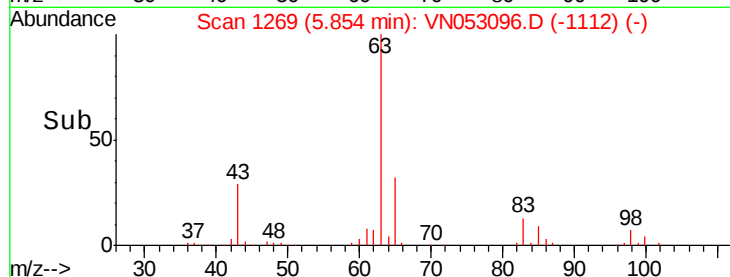
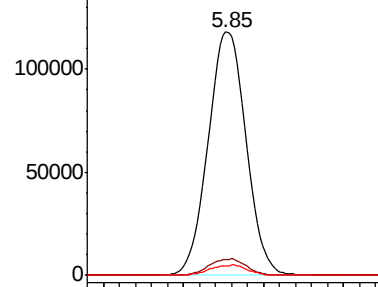
#21
 1,1-Dichloroethane
 Concen: 19.368 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN053096.D
 Acq: 21 Dec 2018 11:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1221WBSD01

Tot Ion	Ratio	Lower	Upper
63	100		
98	6.5	3.0	9.2
100	4.1	1.8	5.5

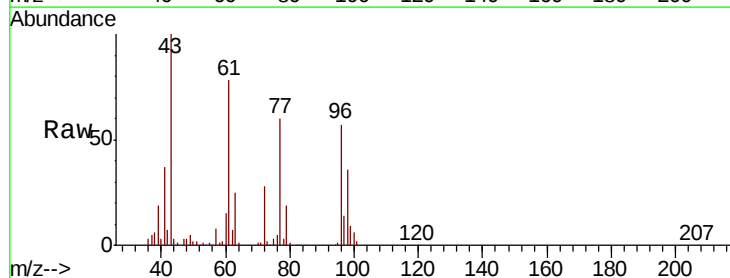


Abundance Ion 63.00 (62.70 to 63.70): VN0
 Ion 98.00 (97.70 to 98.70): VN0
 Ion 100.00 (99.70 to 100.70): VN0

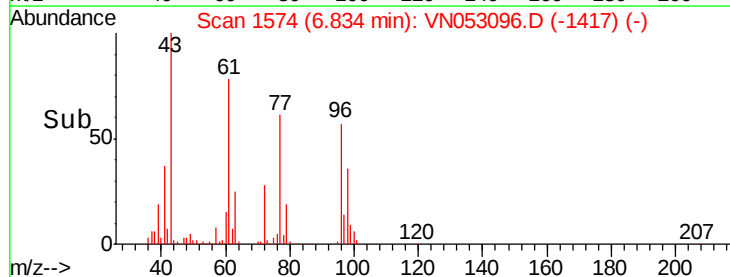
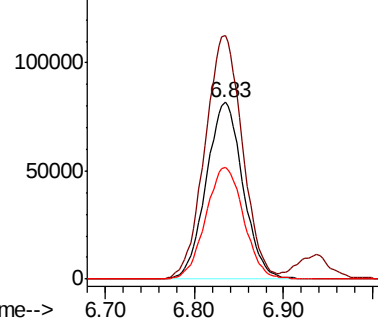


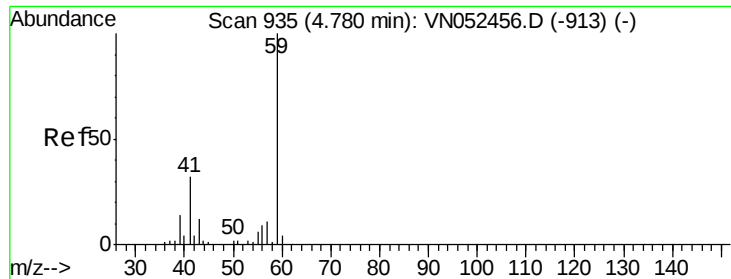
#22
 cis-1,2-Dichloroethene
 Concen: 20.225 ug/l
 RT: 6.83 min Scan# 1574
 Delta R.T. 0.00 min
 Lab File: VN053096.D
 Acq: 21 Dec 2018 11:11

Tgt Ion	Ratio	Lower	Upper
96	100		
61	140.2	116.7	175.1
98	65.1	50.8	76.2



Abundance Ion 96.00 (95.70 to 96.70): VN0
 Ion 61.00 (60.70 to 61.70): VN0
 Ion 98.00 (97.70 to 98.70): VN0



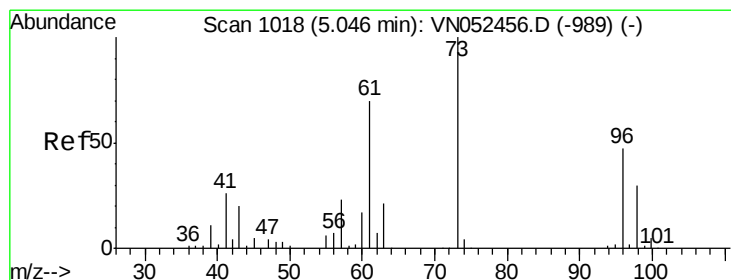
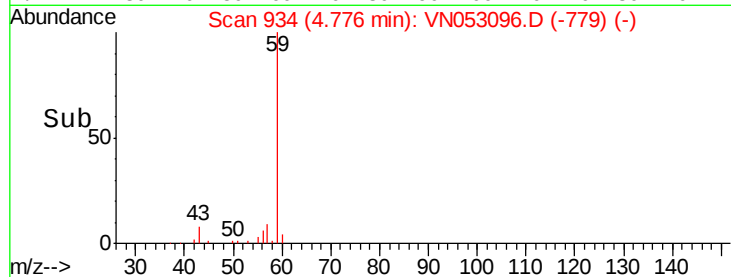
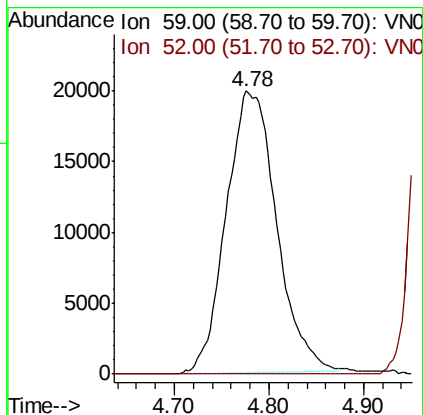
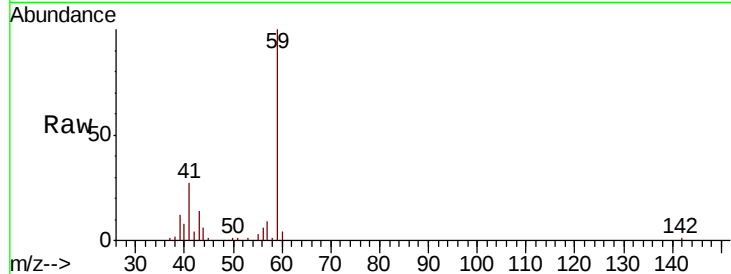


#23

tert-Butyl Alcohol
 Concen: 144.595 ug/l
 RT: 4.78 min Scan# 934
 Delta R.T. -0.00 min
 Lab File: VN053096.D
 Acq: 21 Dec 2018 11:11

Instrument :
 MSVOA_N
 ClientSampled :
 VN1221WBSD01

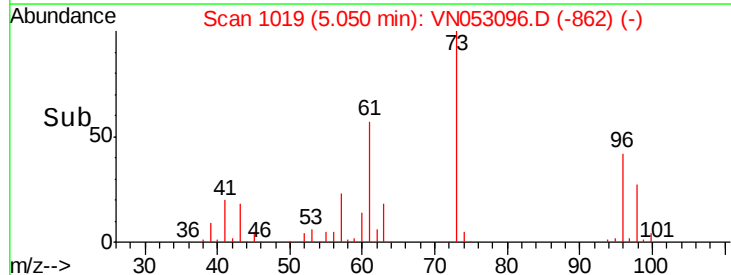
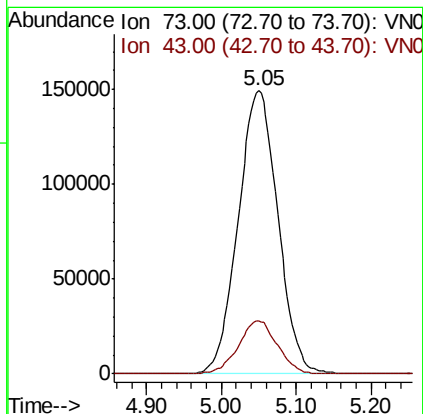
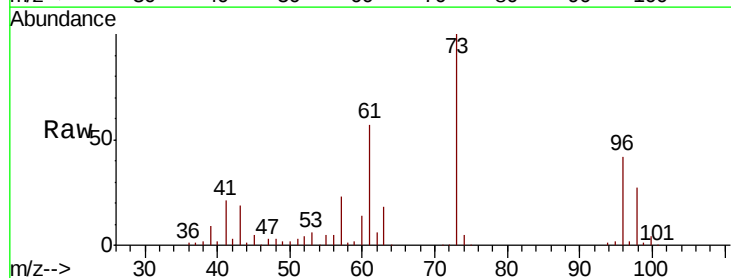
Tot Ion: 59 Resp: 73321
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.0 0.0

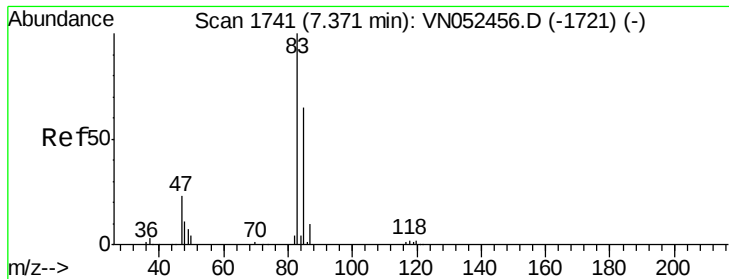


#24

Methyl tert-Butyl Ether
 Concen: 22.331 ug/l
 RT: 5.05 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VN053096.D
 Acq: 21 Dec 2018 11:11

Tgt Ion: 73 Resp: 551586
 Ion Ratio Lower Upper
 73 100
 43 18.2 15.8 23.8





#25

Chloroform

Concen: 19.604 ug/l

RT: 7.37 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VN053096.D

Acq: 21 Dec 2018 11:11

Instrument :

MSVOA_N

ClientSampleId :

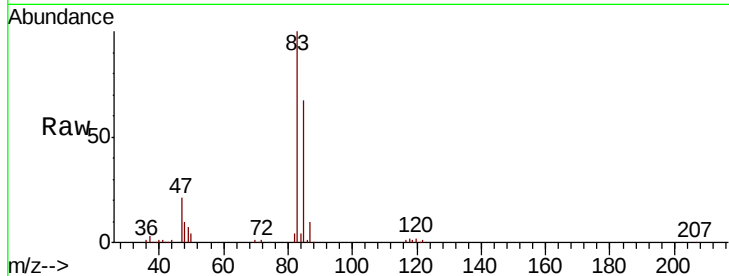
VN1221WBSD01

Tot Ion: 83 Resp: 371978

Ion Ratio Lower Upper

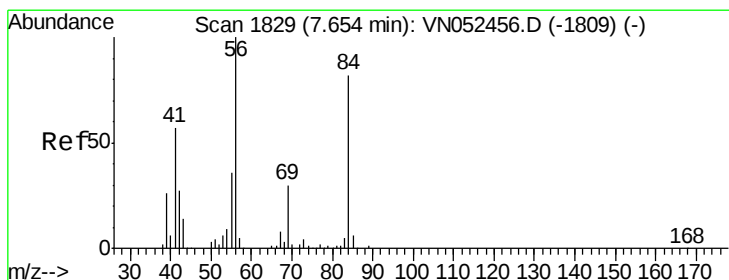
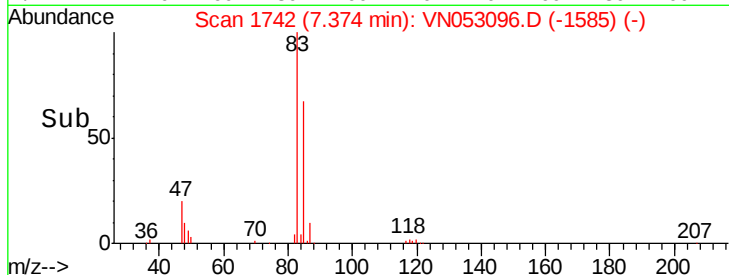
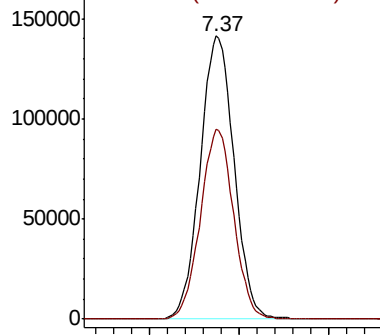
83 100

85 66.9 51.7 77.5



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0



#26

Cyclohexane

Concen: 17.780 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN053096.D

Acq: 21 Dec 2018 11:11

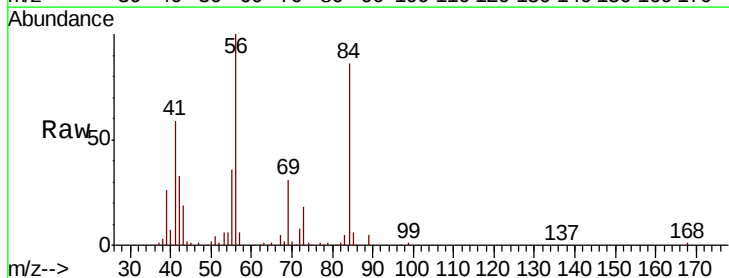
Tgt Ion: 56 Resp: 329812

Ion Ratio Lower Upper

56 100

89 4.9 0.5 0.7#

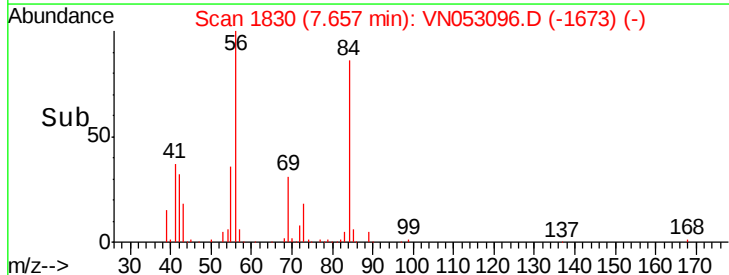
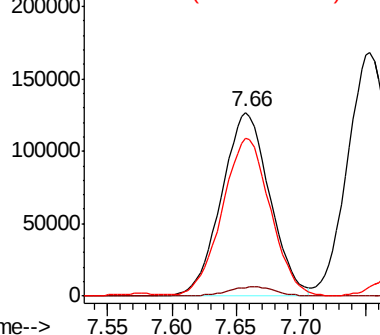
84 86.3 66.2 99.2

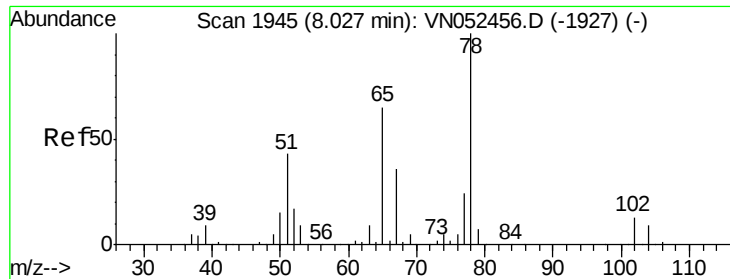


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 89.00 (88.70 to 89.70): VN0

Ion 84.00 (83.70 to 84.70): VN0





#27

1,2-Dichloroethane-d4

Concen: 17.780 ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN053096.D

Acq: 21 Dec 2018 11:11

Instrument :

MSVOA_N

ClientSampleId :

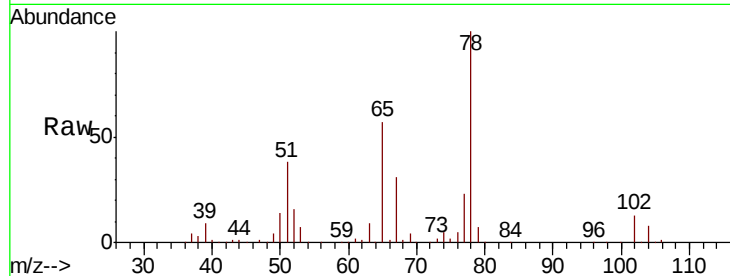
VN1221WBSD01

Tot Ion: 65 Resp: 327218

Ion Ratio Lower Upper

65 100

67 55.0 44.6 66.8



Abundance Ion 65.00 (64.70 to 65.70): VN052456.D (-1927) (-)

Ion 67.00 (66.70 to 67.70): VN052456.D (-1927) (-)

8.03

150000

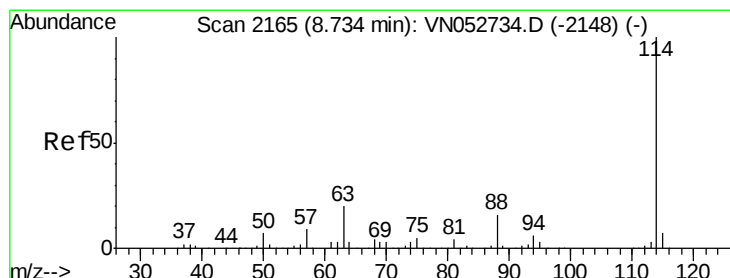
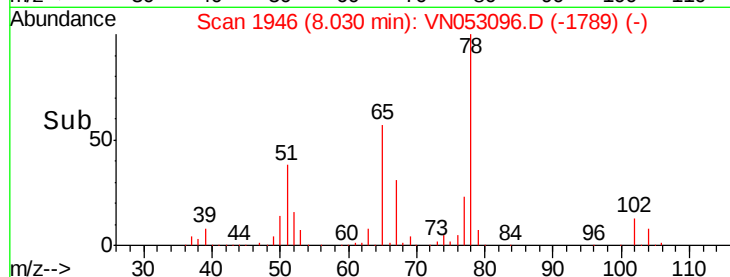
100000

50000

0

7.95 8.00 8.05 8.10

Time-->



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN053096.D

Acq: 21 Dec 2018 11:11

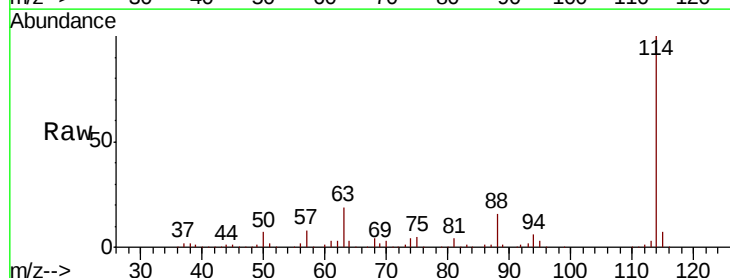
Tgt Ion: 114 Resp: 982807

Ion Ratio Lower Upper

114 100

63 19.4 16.9 25.3

88 15.6 12.8 19.2



Abundance Ion 114.00 (113.70 to 114.70): VN052734.D (-2148) (-)

Ion 63.00 (62.70 to 63.70): VN052734.D (-2148) (-)

Ion 88.00 (87.70 to 88.70): VN052734.D (-2148) (-)

8.59

600000

500000

400000

300000

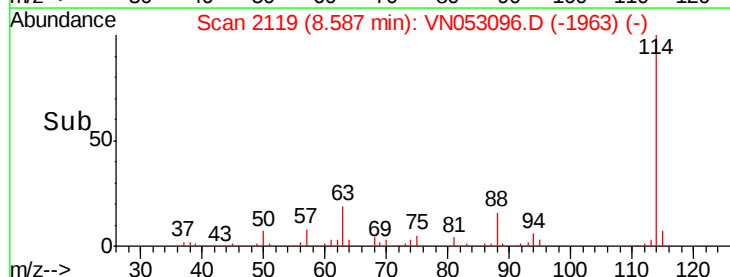
200000

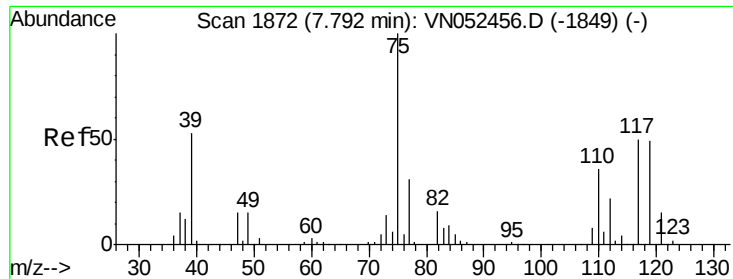
100000

0

8.50 8.60 8.70

Time-->





#29

1,1-Dichloropropene

Concen: 19.015 ug/l

RT: 7.80 min Scan# 1873

Delta R.T. 0.00 min

Lab File: VN053096.D

Acq: 21 Dec 2018 11:11

Instrument :

MSVOA_N

ClientSampleId :

VN1221WBSD01

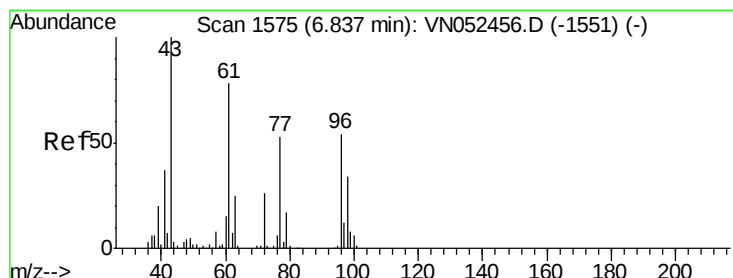
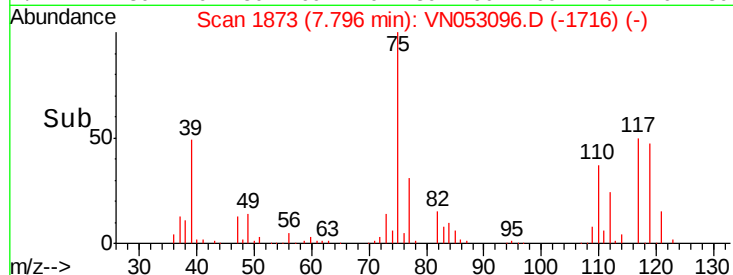
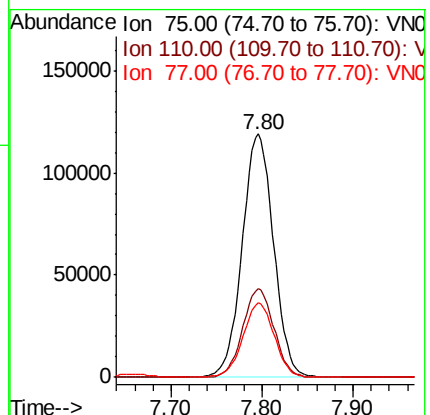
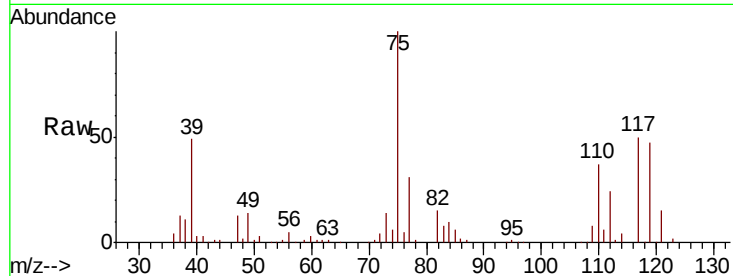
Tot Ion: 75 Resp: 285388

Ion Ratio Lower Upper

75 100

110 36.1 0.0 70.2

77 30.6 0.0 62.6



#30

2-Butanone

Concen: 104.993 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VN053096.D

Acq: 21 Dec 2018 11:11

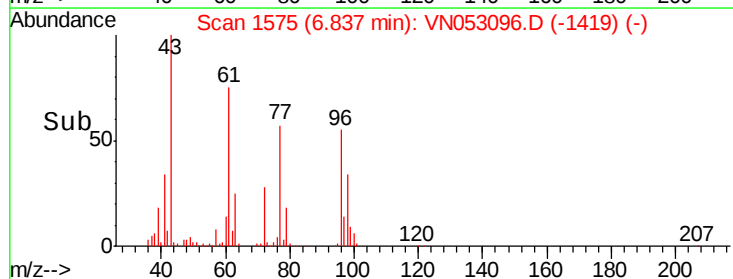
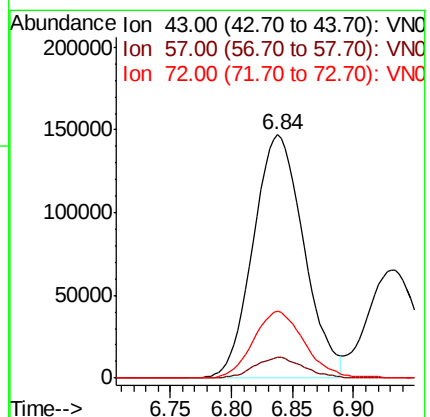
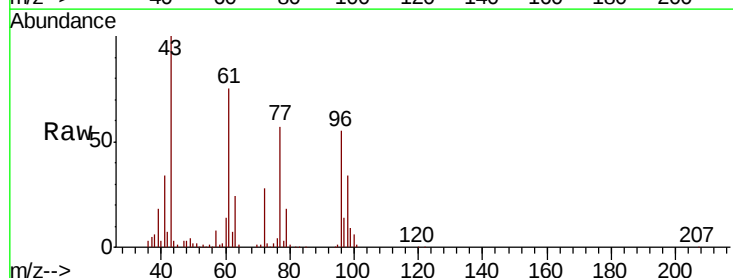
Tgt Ion: 43 Resp: 421655

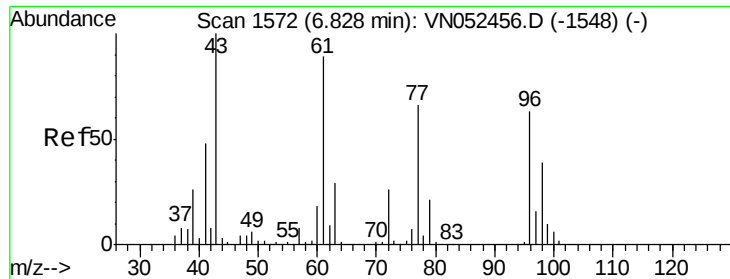
Ion Ratio Lower Upper

43 100

57 8.3 6.2 9.4

72 27.9 21.0 31.6





#31

2,2-Dichloropropane

Concen: 20.571 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN053096.D

Acq: 21 Dec 2018 11:11

Instrument :

MSVOA_N

ClientSampleId :

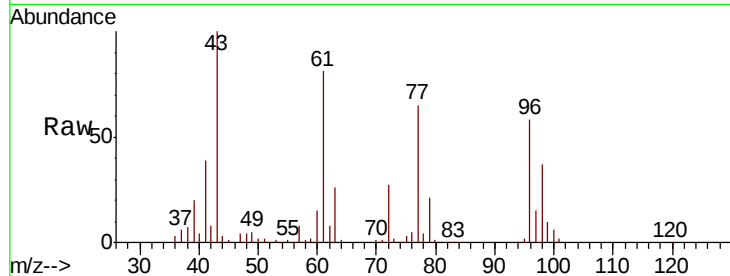
VN1221WBSD01

Tot Ion: 77 Resp: 284238

Ion Ratio Lower Upper

77 100

97 24.1 18.7 28.1



Abundance Ion 77.00 (76.70 to 77.70): VN0

Ion 97.00 (96.70 to 97.70): VN0

6.83

100000

80000

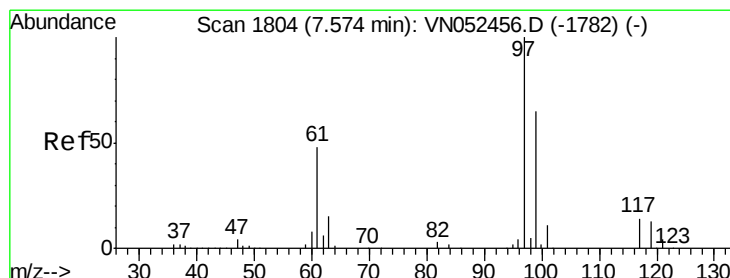
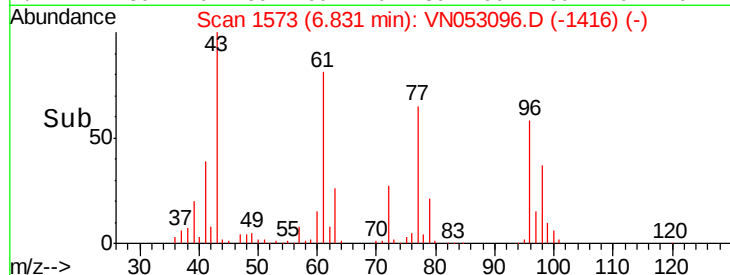
60000

40000

20000

0

Time-->



#32

1,1,1-Trichloroethane

Concen: 19.897 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN053096.D

Acq: 21 Dec 2018 11:11

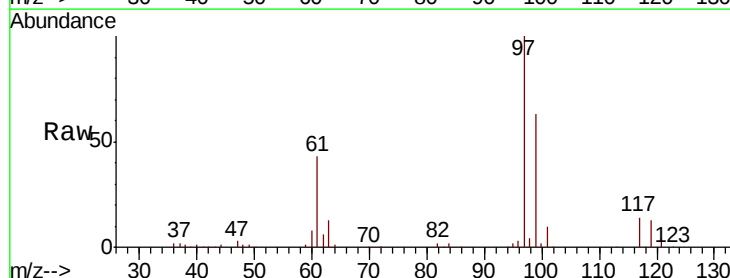
Tgt Ion: 97 Resp: 310724

Ion Ratio Lower Upper

97 100

99 64.2 50.9 76.3

61 43.1 38.1 57.1



Abundance Ion 97.00 (96.70 to 97.70): VN0

Ion 99.00 (98.70 to 99.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

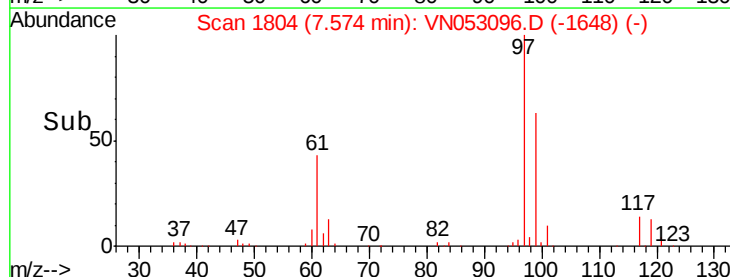
150000

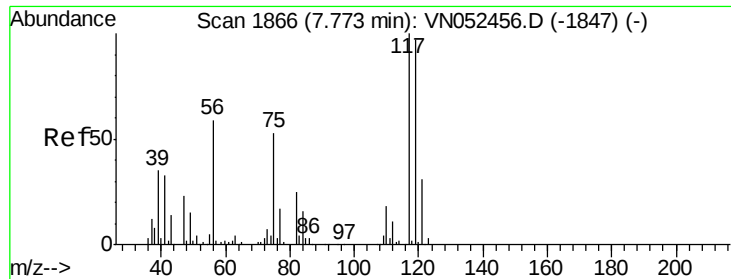
100000

50000

0

Time-->

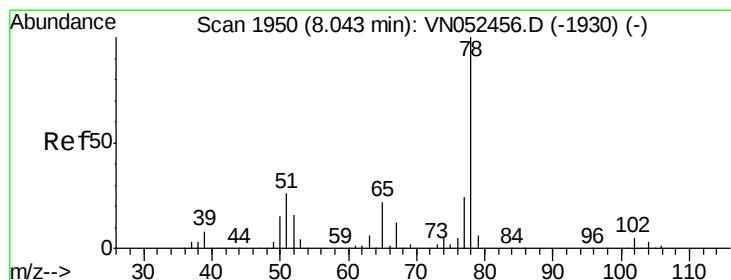
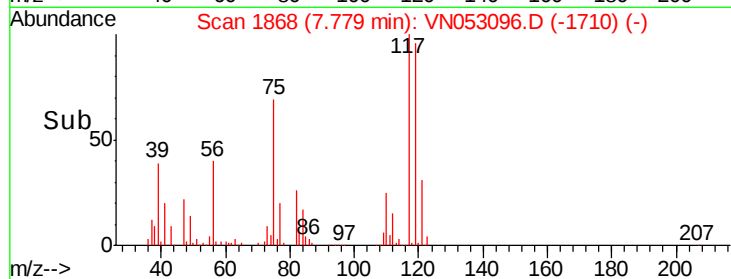
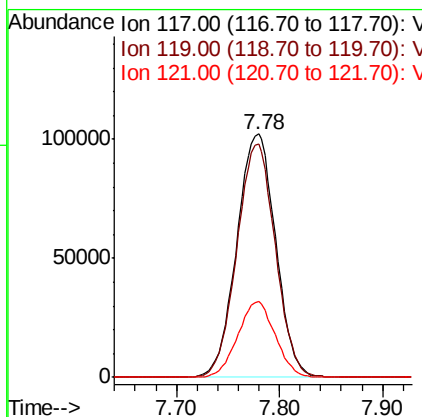
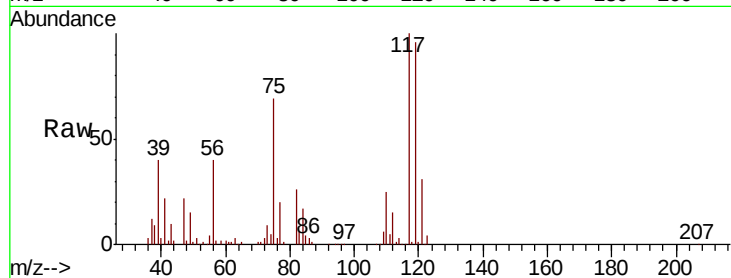




#33
Carbon Tetrachloride
Concen: 19.622 ug/l
RT: 7.78 min Scan# 1866
Delta R.T. 0.01 min
Lab File: VN053096.D
Acq: 21 Dec 2018 11:11

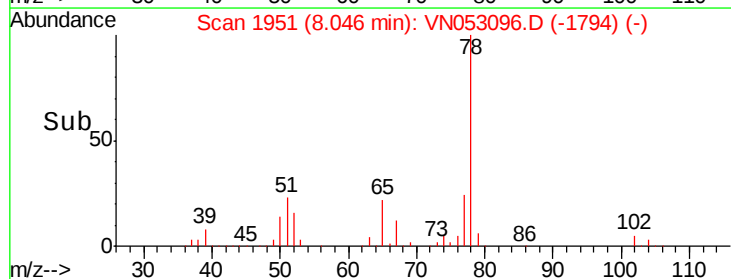
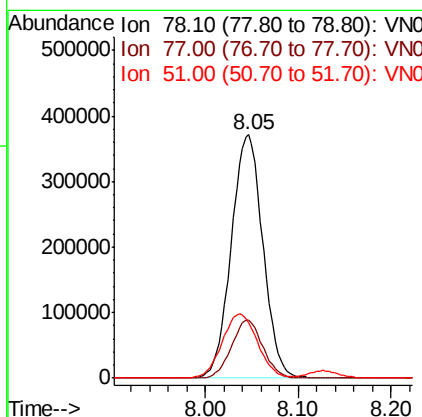
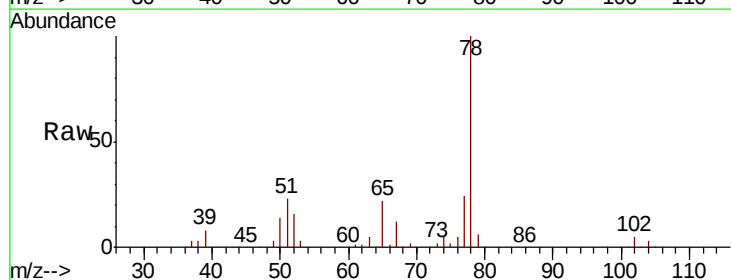
Instrument :
MSVOA_N
ClientSampled :
VN1221WBSD01

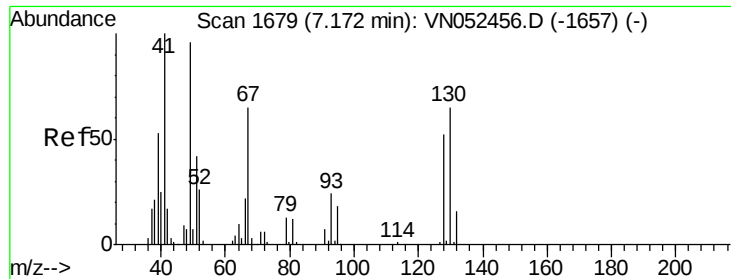
Tot Ion:117 Resp: 268125
Ion Ratio Lower Upper
117 100
119 95.9 77.3 115.9
121 31.3 24.9 37.3



#34
Benzene
Concen: 19.462 ug/l
RT: 8.05 min Scan# 1951
Delta R.T. 0.00 min
Lab File: VN053096.D
Acq: 21 Dec 2018 11:11

Tgt Ion: 78 Resp: 878202
Ion Ratio Lower Upper
78 100
77 23.7 19.0 28.6
51 22.7 20.5 30.7

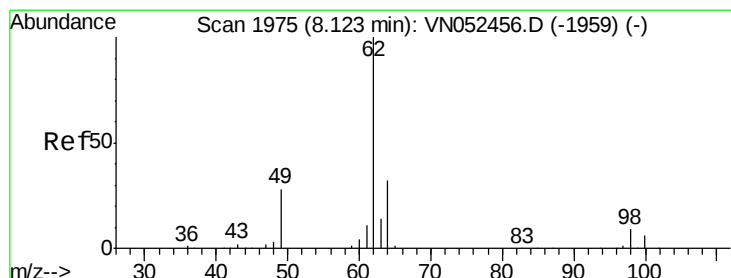
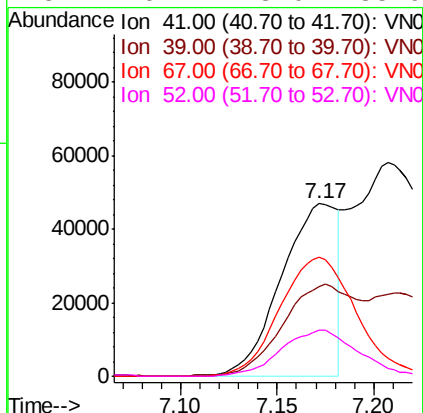
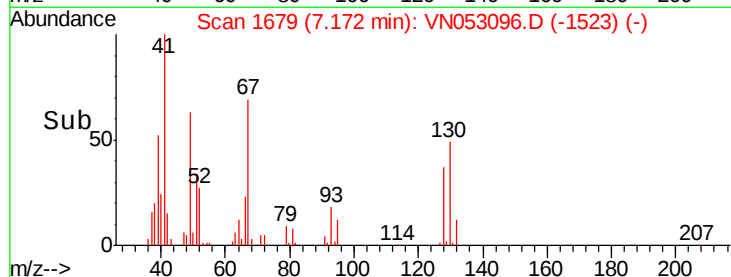
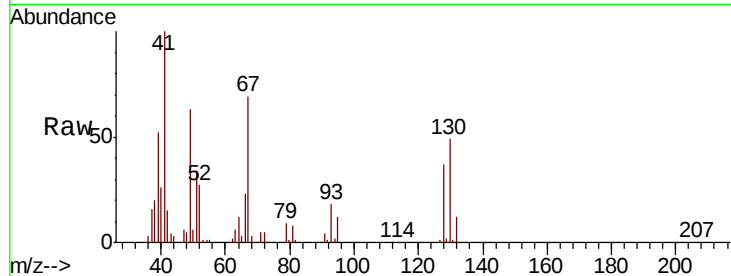




#35
Methacrylonitrile
Concen: 19.042 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN053096.D
Acq: 21 Dec 2018 11:11

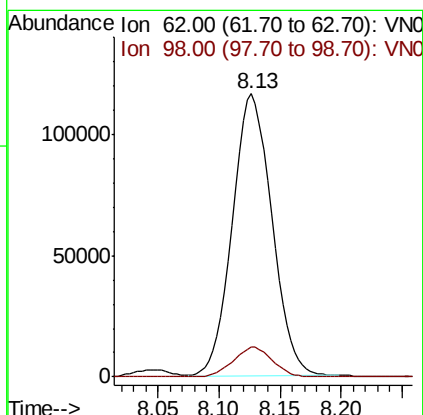
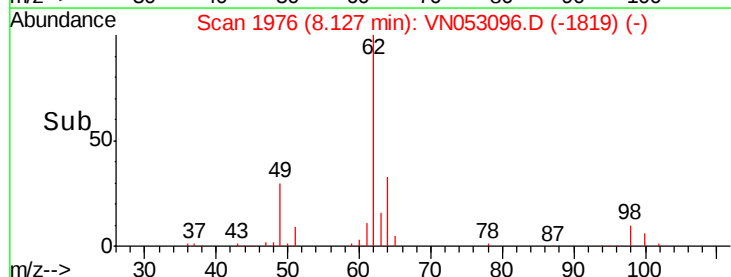
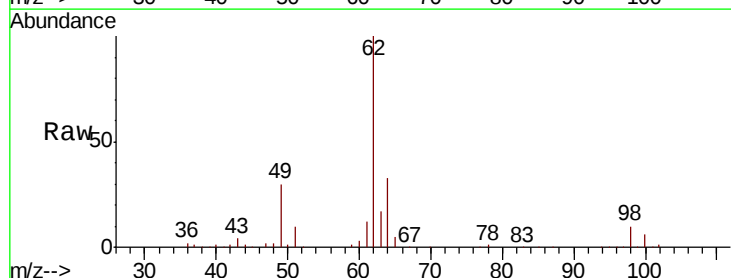
Instrument :
MSVOA_N
ClientSampled :
VN1221WBSD01

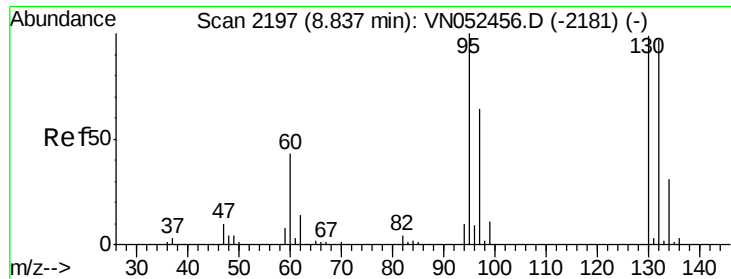
Tot Ion: 41 Resp: 94881
Ion Ratio Lower Upper
41 100
39 51.7 26.6 79.7
67 68.8 32.3 96.9
52 26.7 13.0 38.9



#36
1,2-Dichloroethane
Concen: 19.162 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN053096.D
Acq: 21 Dec 2018 11:11

Tgt Ion: 62 Resp: 262012
Ion Ratio Lower Upper
62 100
98 10.4 7.4 11.2

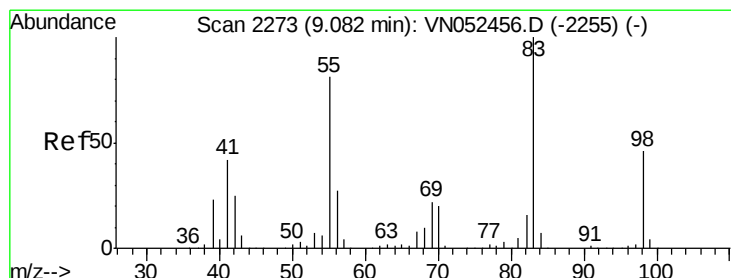
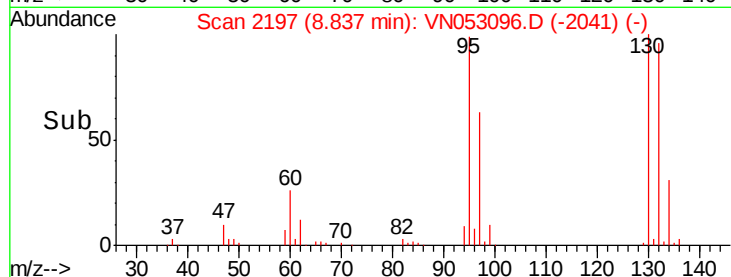
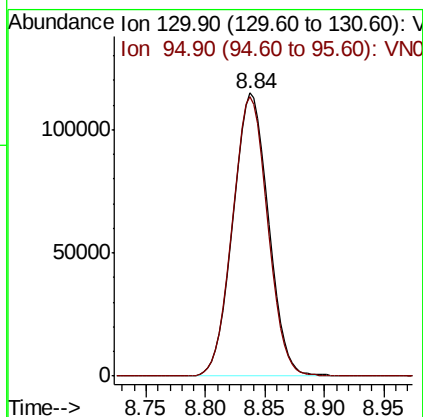
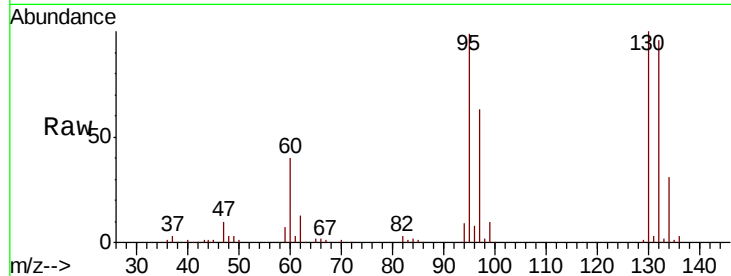




#37
 Trichloroethene
 Concen: 20.755 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN053096.D
 Acq: 21 Dec 2018 11:11

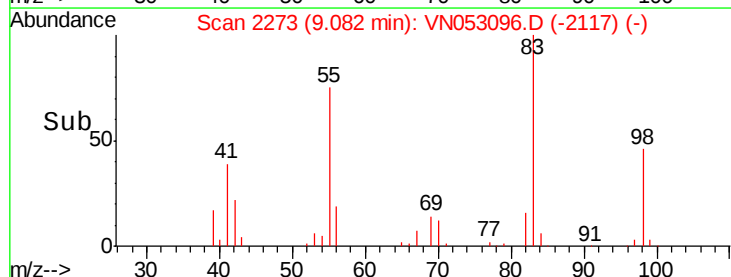
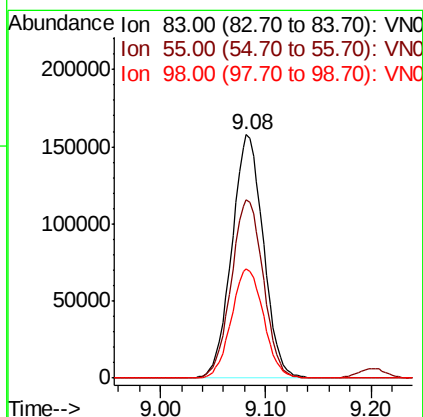
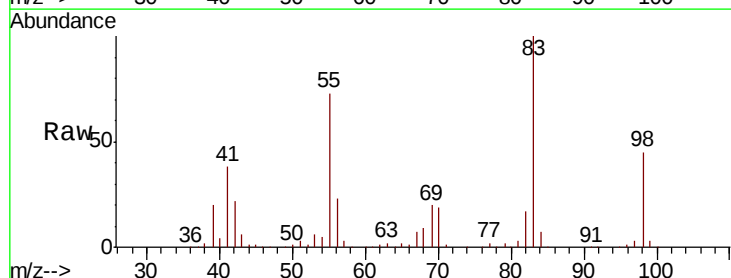
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1221WBSD01

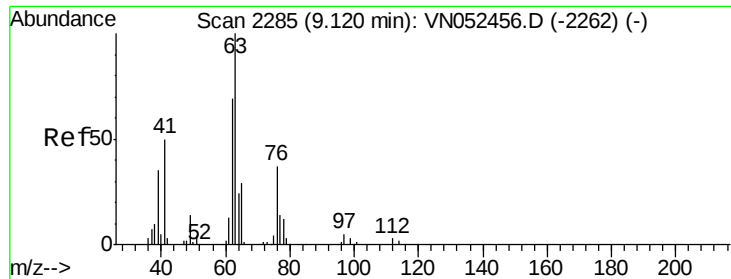
Tot Ion:130 Resp: 237486
 Ion Ratio Lower Upper
 130 100
 95 98.7 81.0 121.4



#38
 Methylcyclohexane
 Concen: 17.571 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. 0.00 min
 Lab File: VN053096.D
 Acq: 21 Dec 2018 11:11

Tgt Ion: 83 Resp: 326452
 Ion Ratio Lower Upper
 83 100
 55 74.4 39.8 119.4
 98 46.0 22.9 68.5

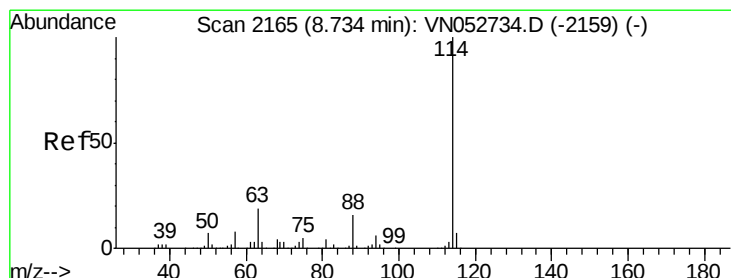
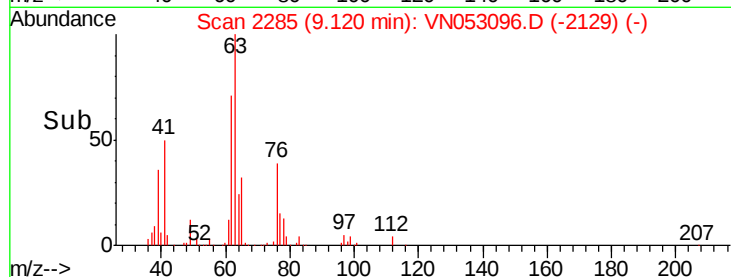
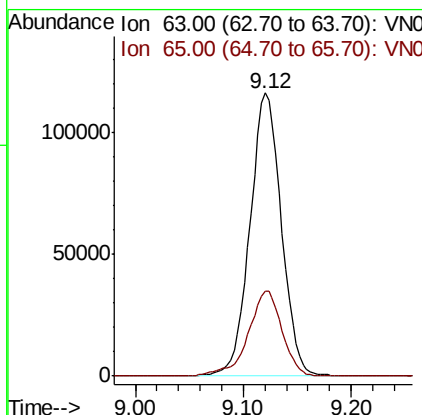
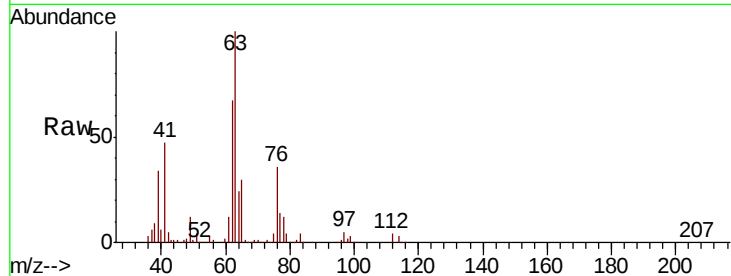




#39
 1,2-Dichloropropane
 Concen: 19.436 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN053096.D
 Acq: 21 Dec 2018 11:11

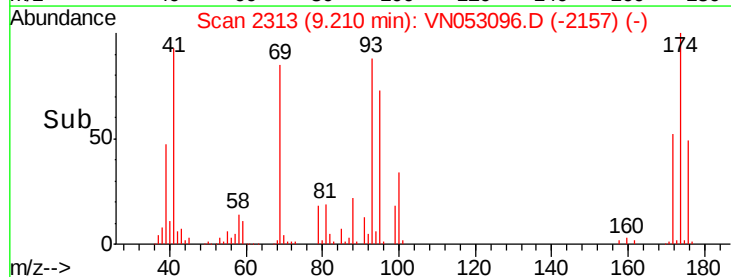
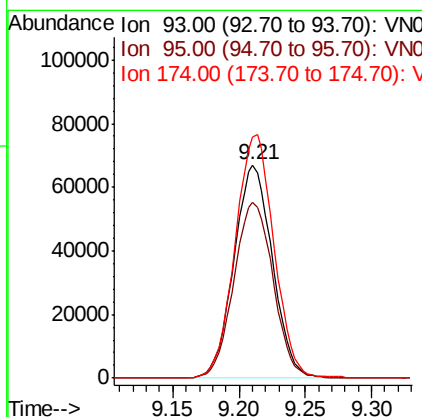
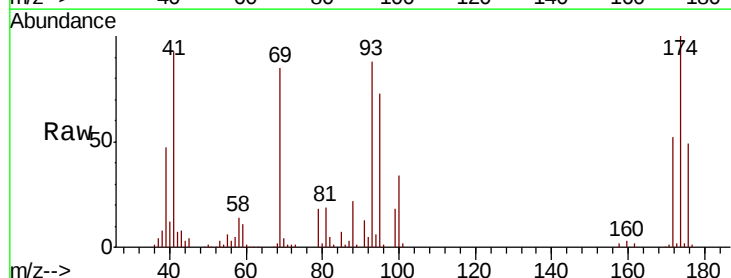
Instrument :
 MSVOA_N
 ClientSampled :
 VN1221WBSD01

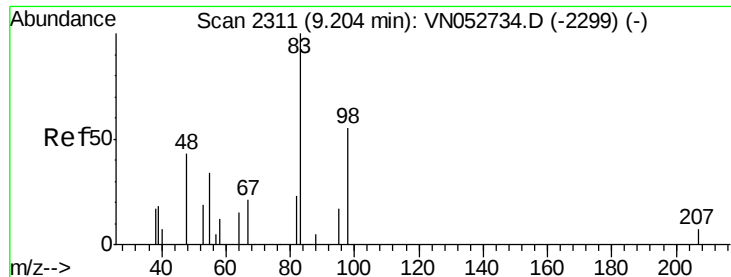
Tot Ion: 63 Resp: 235086
 Ion Ratio Lower Upper
 63 100
 65 30.2 23.6 35.4



#40
 Dibromomethane
 Concen: 20.681 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN053096.D
 Acq: 21 Dec 2018 11:11

Tgt Ion: 93 Resp: 135181
 Ion Ratio Lower Upper
 93 100
 95 84.1 0.0 168.4
 174 115.3 0.0 210.0

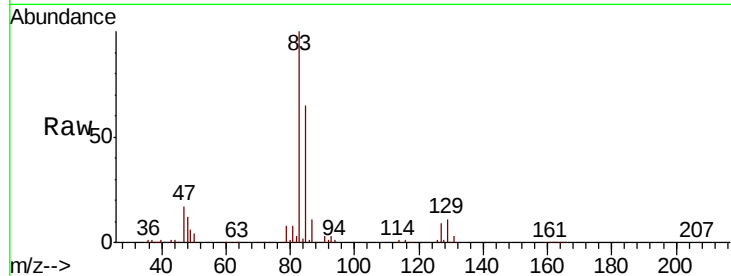




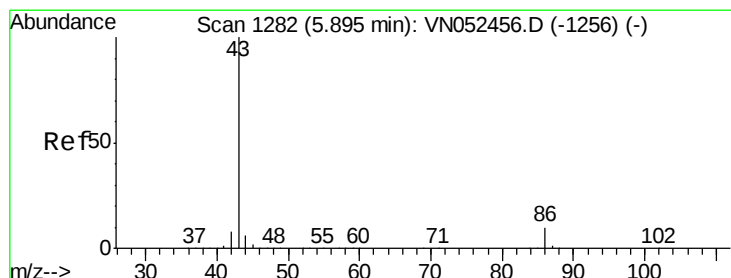
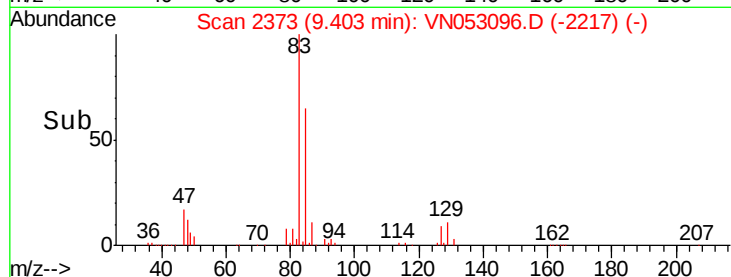
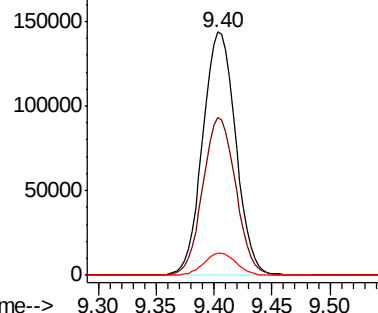
#41
 Bromodichloromethane
 Concen: 19.697 ug/l
 RT: 9.40 min Scan# 2373
 Delta R.T. 0.00 min
 Lab File: VN053096.D
 Acq: 21 Dec 2018 11:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1221WBSD01

Tot Ion: 83 Resp: 284450
 Ion Ratio Lower Upper
 83 100
 85 64.7 52.4 78.6
 127 9.2 6.6 9.8

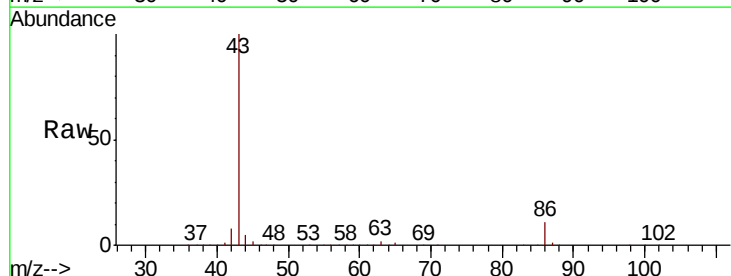


Abundance Ion 83.00 (82.70 to 83.70): VN0
 Ion 85.00 (84.70 to 85.70): VN0
 Ion 127.00 (126.70 to 127.70): V

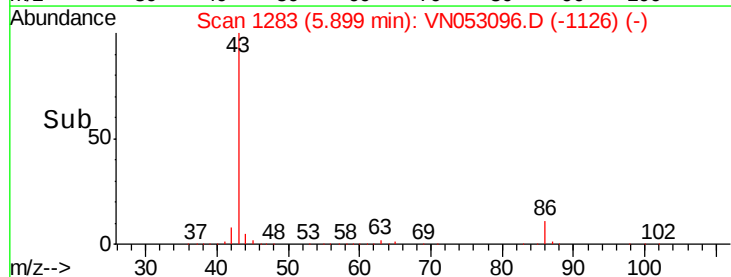
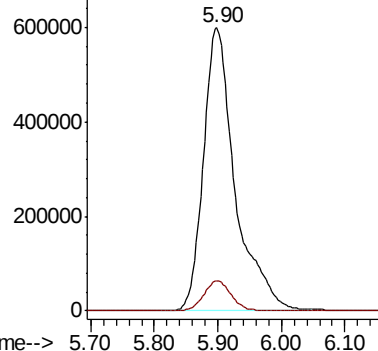


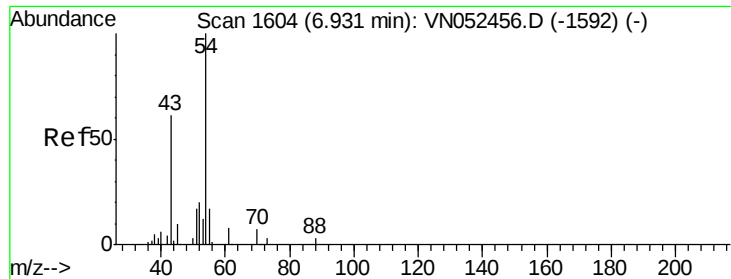
#42
 Vinyl Acetate
 Concen: 95.701 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VN053096.D
 Acq: 21 Dec 2018 11:11

Tgt Ion: 43 Resp: 2079505
 Ion Ratio Lower Upper
 43 100
 86 9.1 6.5 9.7



Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 86.00 (85.70 to 86.70): VN0

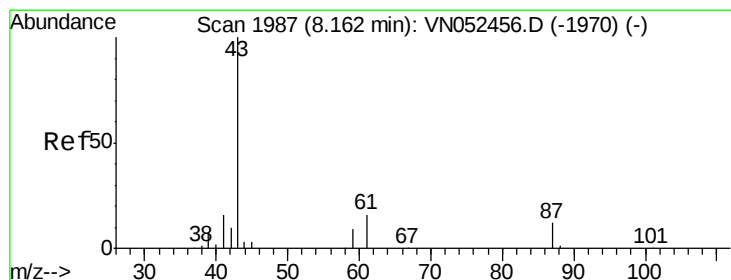
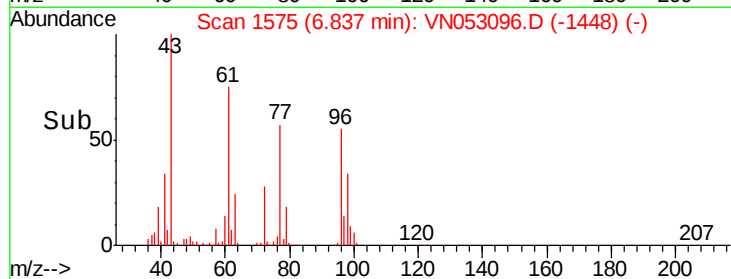
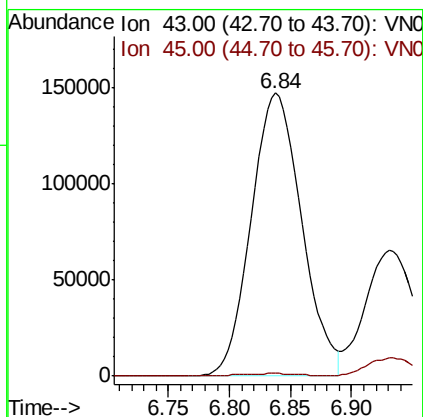
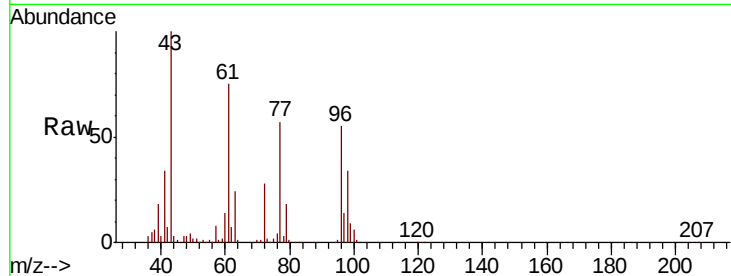




#43
Ethyl Acetate
Concen: 49.376 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. -0.09 min
Lab File: VN053096.D
Acq: 21 Dec 2018 11:11

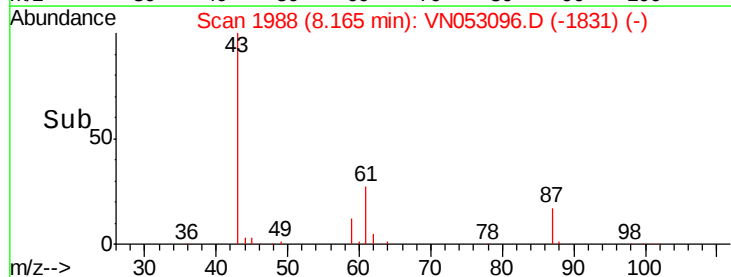
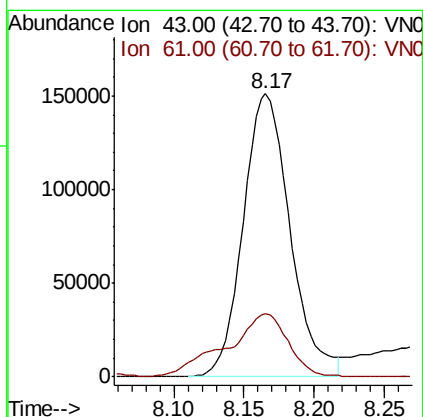
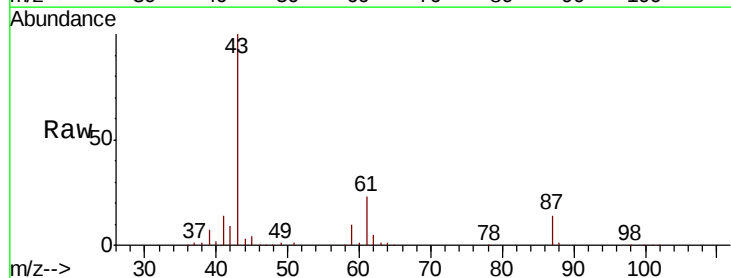
Instrument :
MSVOA_N
ClientSampleID :
VN1221WBSD01

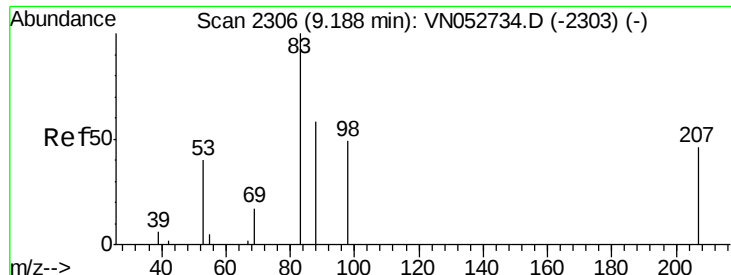
Tot Ion: 43 Resp: 421655
Ion Ratio Lower Upper
43 100
45 1.2 1.0 1.6



#44
Isopropyl Acetate
Concen: 23.348 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN053096.D
Acq: 21 Dec 2018 11:11

Tgt Ion: 43 Resp: 349674
Ion Ratio Lower Upper
43 100
61 29.3 16.0 24.0#

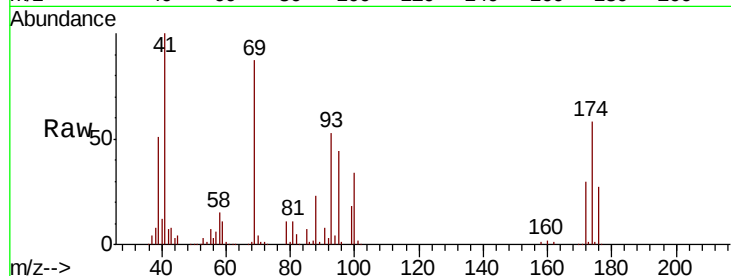




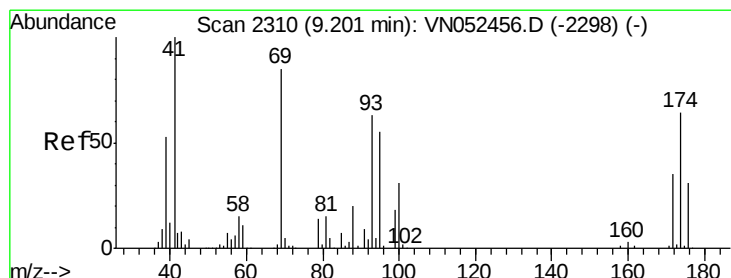
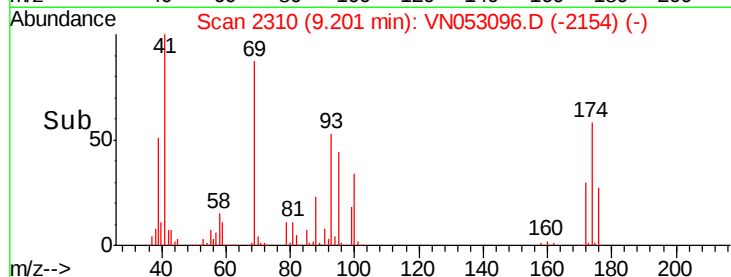
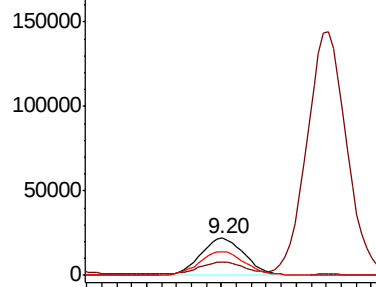
#45
 1,4-Dioxane
 Concen: 551.108 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN053096.D
 Acq: 21 Dec 2018 11:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1221WBSD01

Tot Ion: 88 Resp: 45154
 Ion Ratio Lower Upper
 88 100
 43 31.3 29.5 44.3
 58 66.6 61.5 92.3

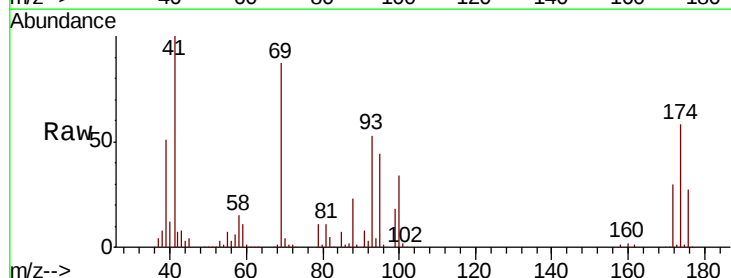


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

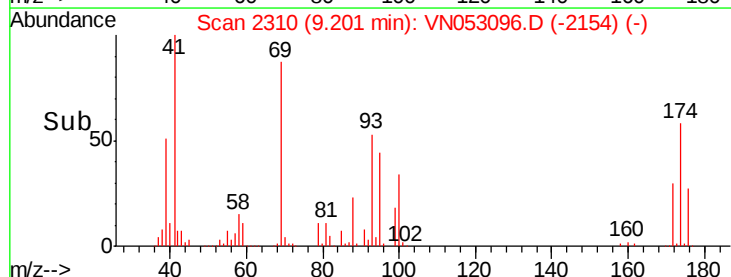
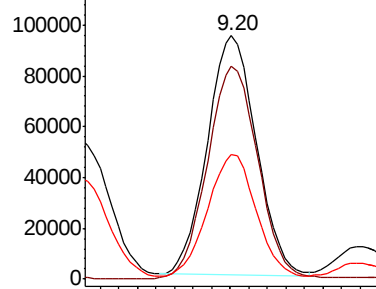


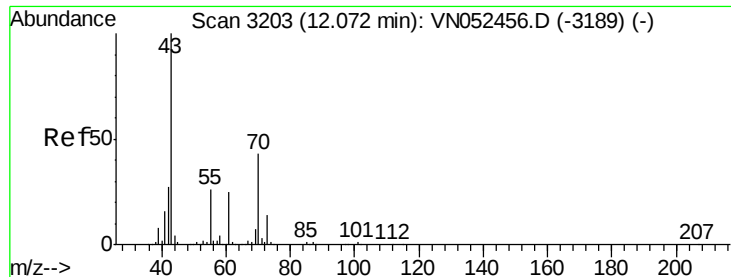
#46
 Methyl methacrylate
 Concen: 22.276 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN053096.D
 Acq: 21 Dec 2018 11:11

Tgt Ion: 41 Resp: 173222
 Ion Ratio Lower Upper
 41 100
 69 88.5 42.5 127.6
 39 51.3 26.3 78.9



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





#47

n-amvl Acetate

Concen: 24.194 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN053096.D

Acq: 21 Dec 2018 11:11

Instrument :

MSVOA_N

ClientSampleId :

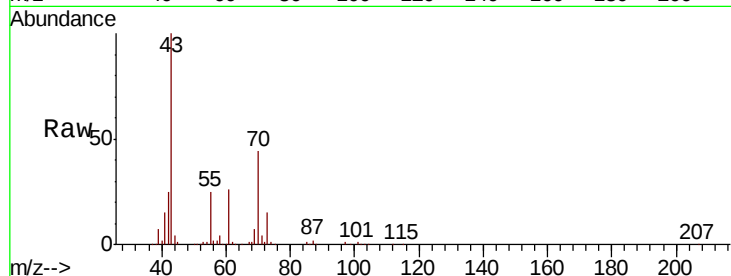
VN1221WBSD01

Tot Ion: 43 Resp: 300440

Ion Ratio Lower Upper

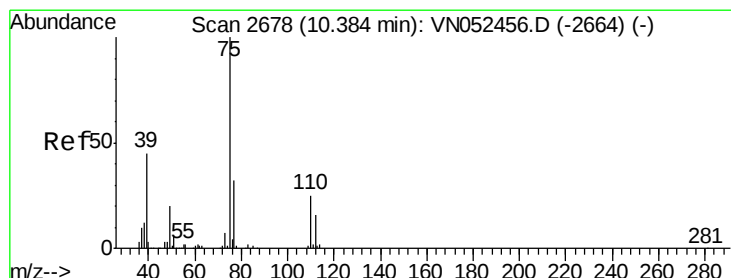
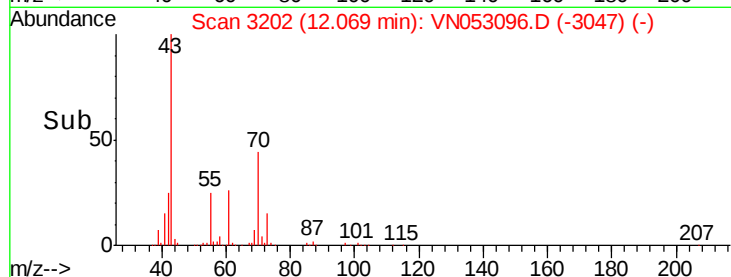
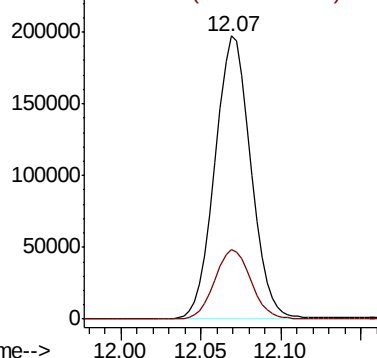
43 100

55 24.9 21.1 31.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#48

t-1,3-Dichloropropene

Concen: 20.711 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN053096.D

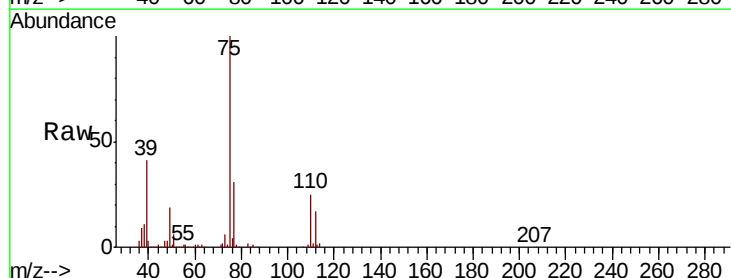
Acq: 21 Dec 2018 11:11

Tgt Ion: 75 Resp: 290006

Ion Ratio Lower Upper

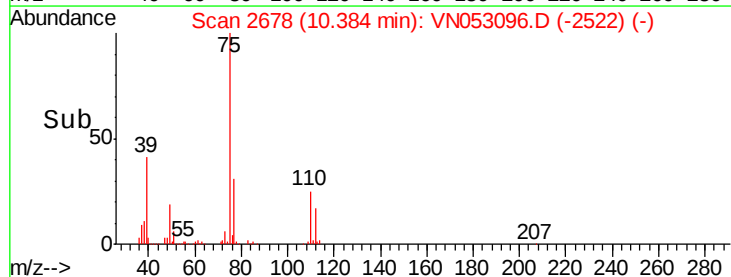
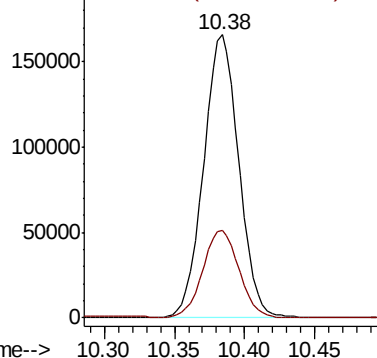
75 100

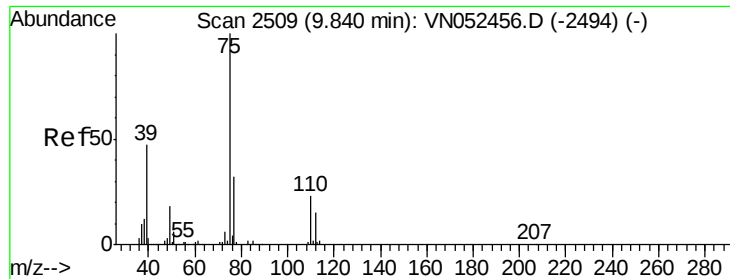
77 30.8 25.6 38.4



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0



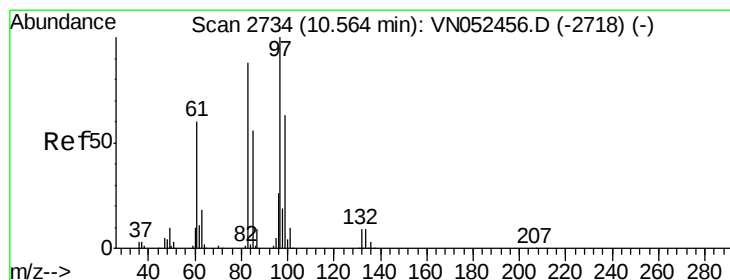
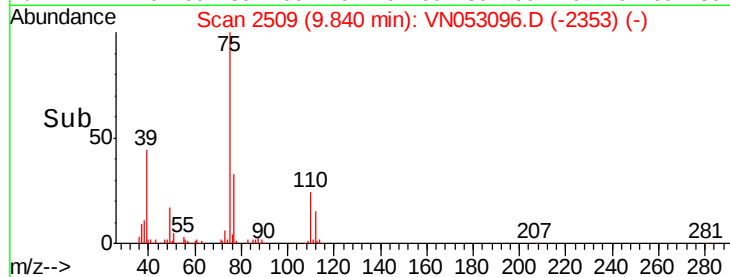
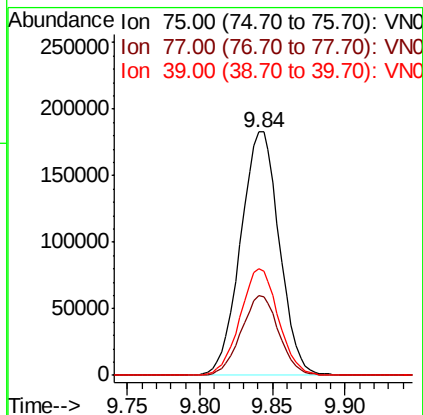
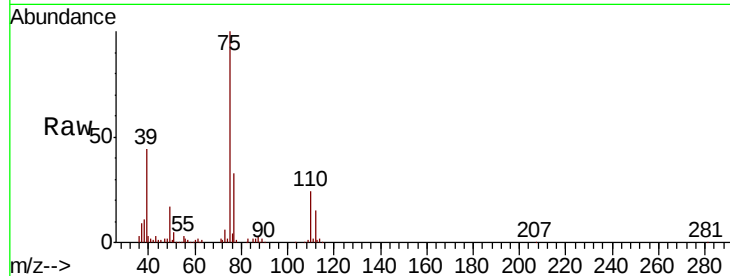


#49

cis-1,3-Dichloropropene
 Concen: 19.938 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN053096.D
 Acq: 21 Dec 2018 11:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1221WBSD01

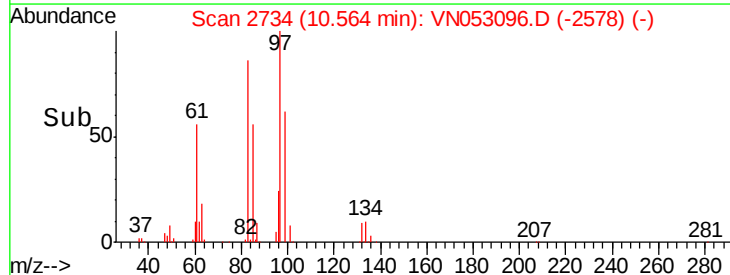
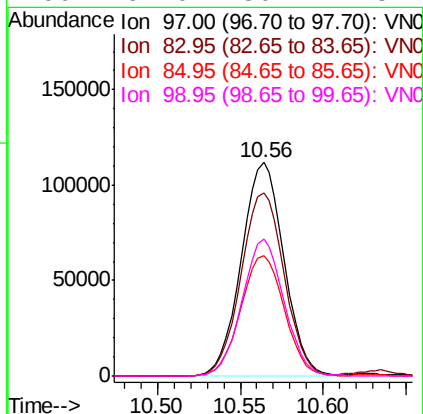
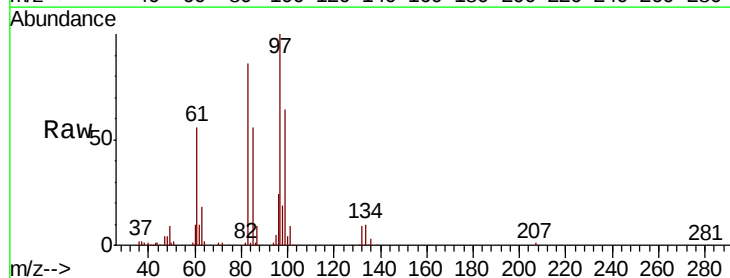
Tot Ion	Ratio	Lower	Upper
75	100		
77	32.5	25.4	38.0
39	44.1	37.3	55.9

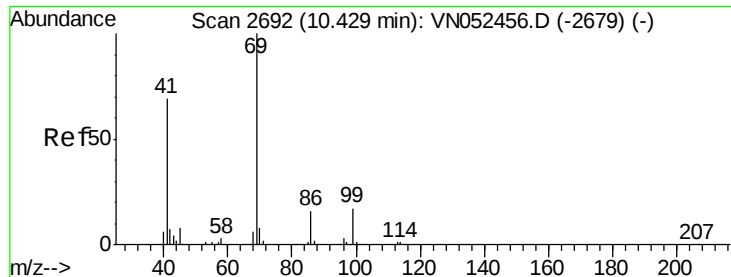


#50

1,1,2-Trichloroethane
 Concen: 21.558 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN053096.D
 Acq: 21 Dec 2018 11:11

Tgt Ion	Ratio	Lower	Upper
97	100		
83	86.0	70.4	105.6
85	56.4	45.0	67.6
99	64.0	50.2	75.2





#51

Ethyl methacrylate

Concen: 23.104 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN053096.D

Acq: 21 Dec 2018 11:11

Instrument :

MSVOA_N

ClientSampled :

VN1221WBSD01

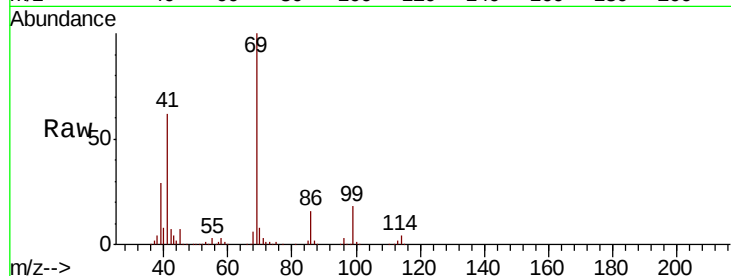
Tot Ion: 69 Resp: 268854

Ion Ratio Lower Upper

69 100

41 61.8 34.4 103.3

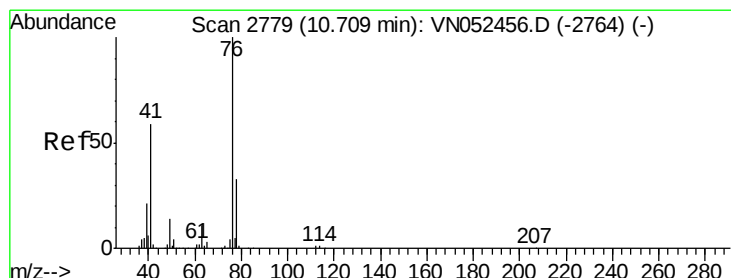
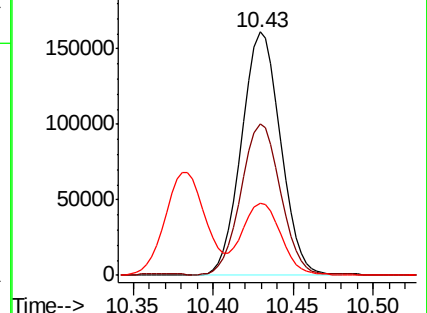
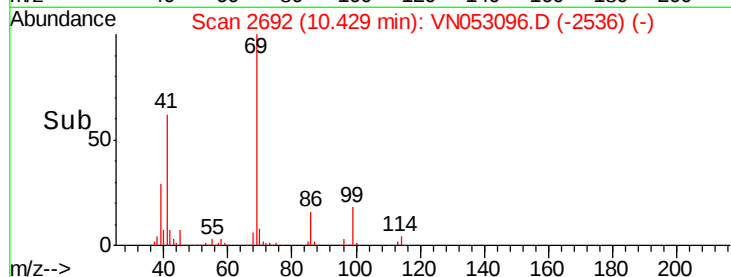
39 29.2 16.4 49.2



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#52

1,3-Dichloropropane

Concen: 20.572 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN053096.D

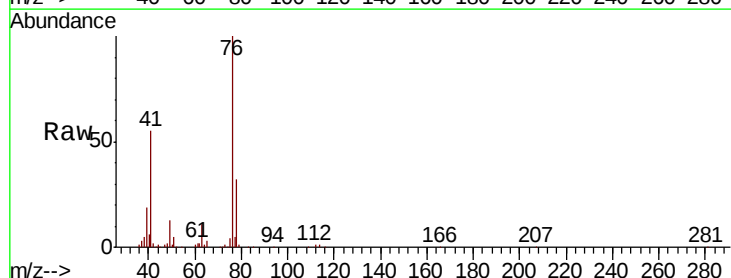
Acq: 21 Dec 2018 11:11

Tgt Ion: 76 Resp: 339267

Ion Ratio Lower Upper

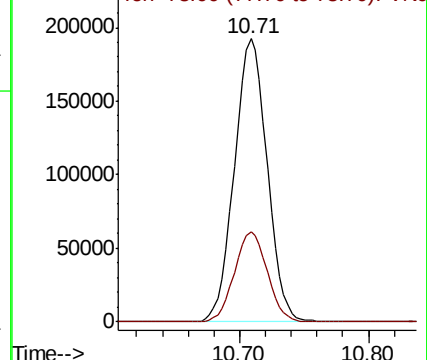
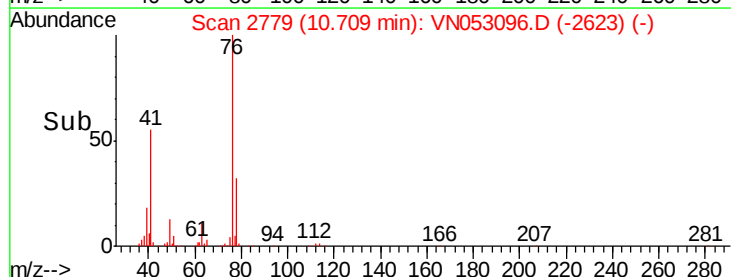
76 100

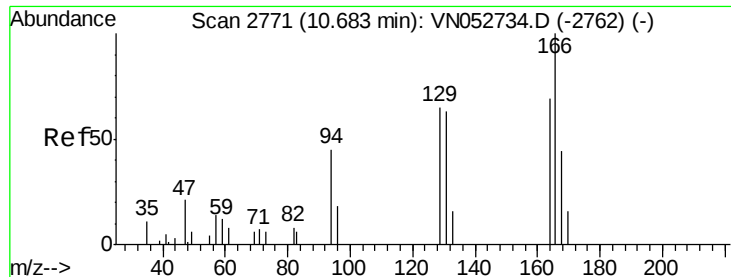
78 31.9 0.0 64.8



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0

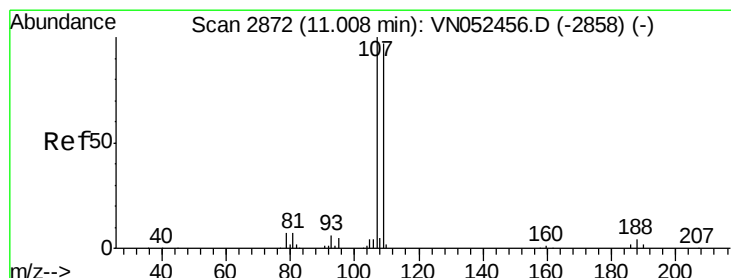
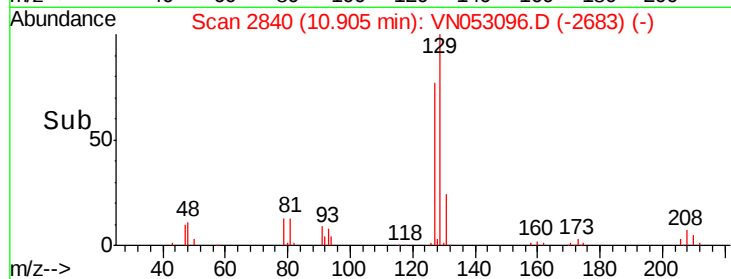
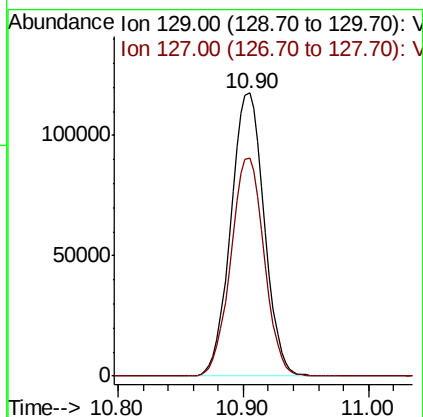
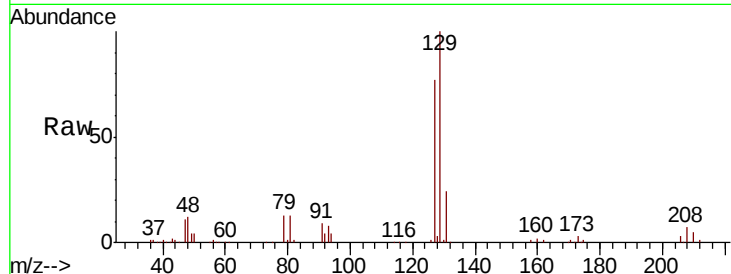




#53
 Dibromochloromethane
 Concen: 21.328 ug/l
 RT: 10.90 min Scan# 2840
 Delta R.T. 0.00 min
 Lab File: VN053096.D
 Acq: 21 Dec 2018 11:11

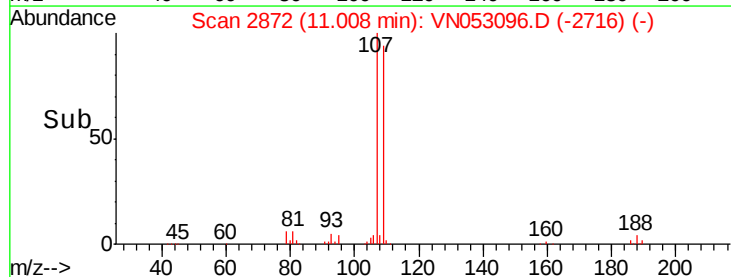
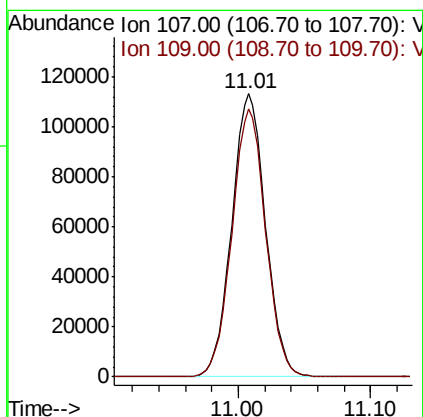
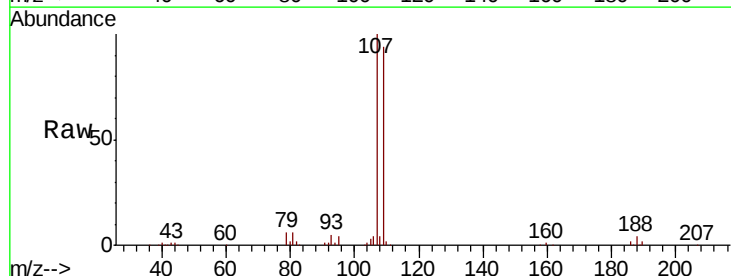
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1221WBSD01

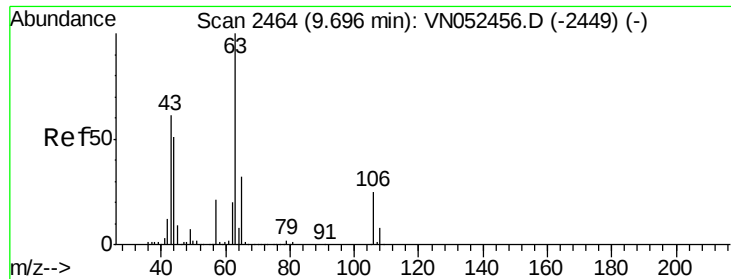
Tot Ion:129 Resp: 217559
 Ion Ratio Lower Upper
 129 100
 127 77.0 37.6 112.8



#54
 1,2-Dibromoethane
 Concen: 22.059 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN053096.D
 Acq: 21 Dec 2018 11:11

Tgt Ion:107 Resp: 199717
 Ion Ratio Lower Upper
 107 100
 109 94.7 77.1 115.7

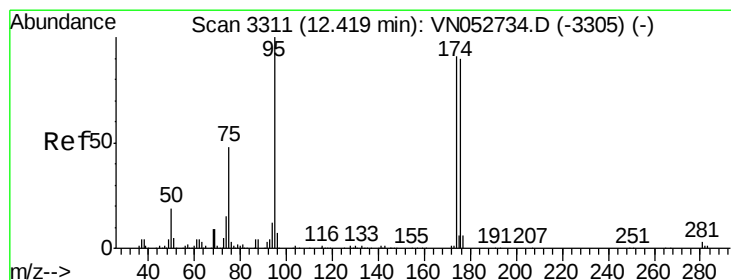
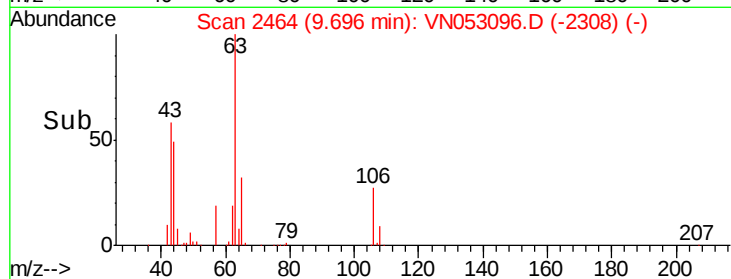
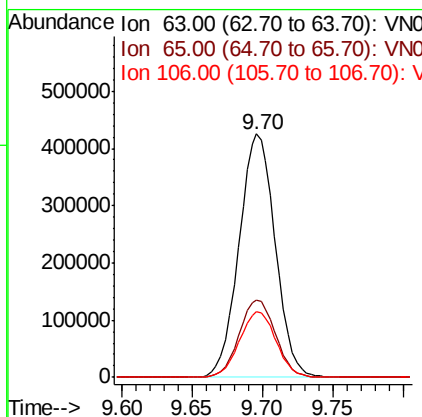
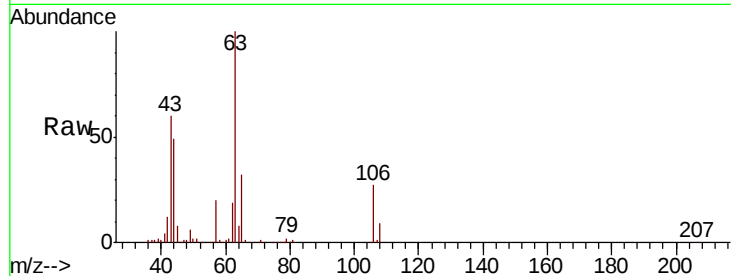




#55
2-Chloroethyl vinyl ether
Concen: 112.222 ug/l
RT: 9.70 min Scan# 2464
Delta R.T. 0.00 min
Lab File: VN053096.D
Acq: 21 Dec 2018 11:11

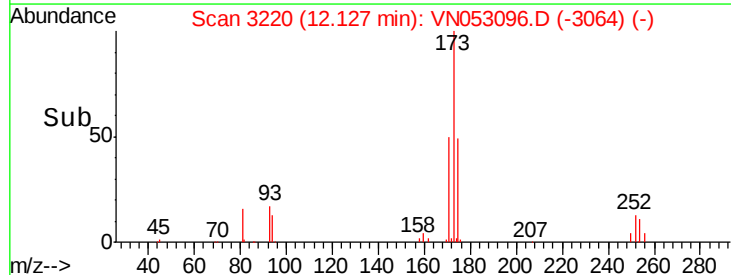
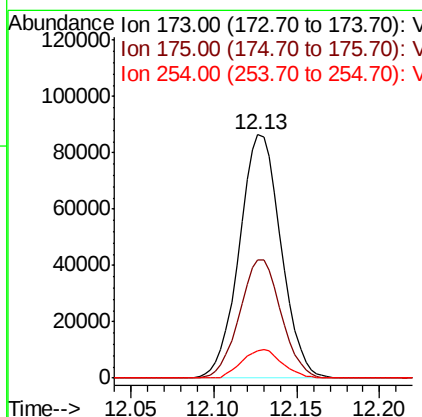
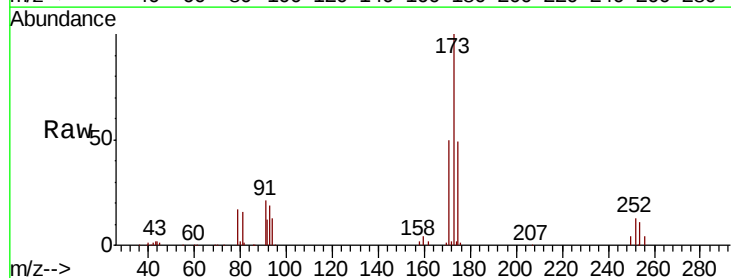
Instrument :
MSVOA_N
ClientSampleId :
VN1221WBSD01

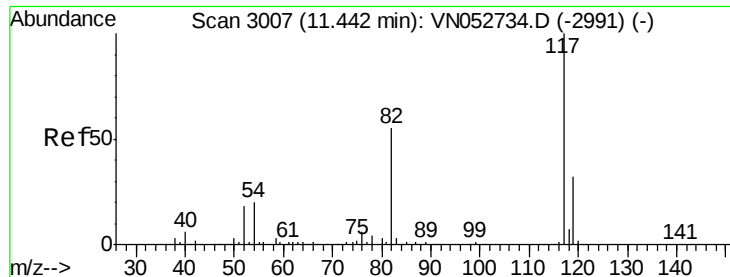
Tot Ion: 63 Resp: 764418
Ion Ratio Lower Upper
63 100
65 31.9 25.4 38.2
106 27.2 20.4 30.6



#56
Bromoform
Concen: 22.696 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN053096.D
Acq: 21 Dec 2018 11:11

Tgt Ion: 173 Resp: 151331
Ion Ratio Lower Upper
173 100
175 48.4 38.7 58.1
254 11.2 8.4 12.6

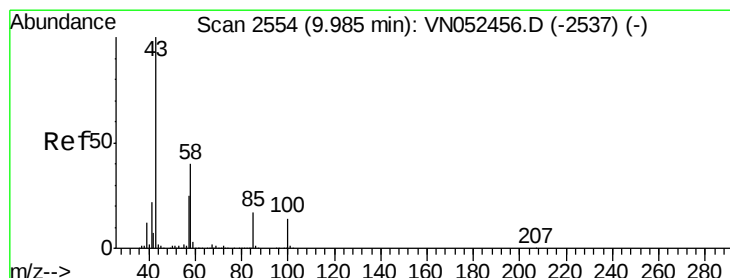
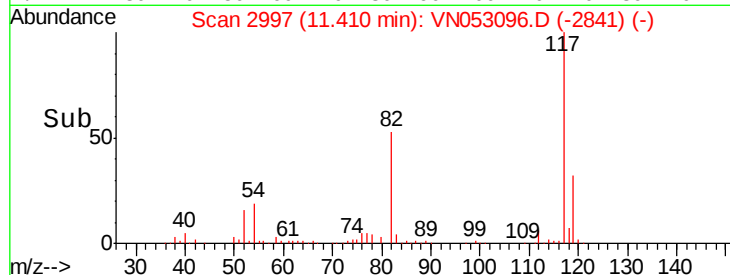
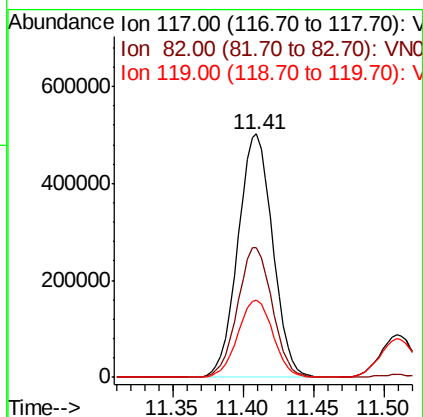
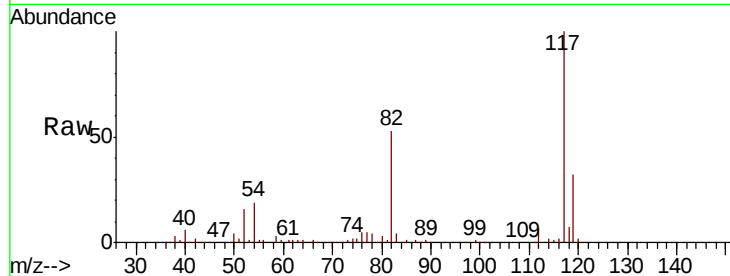




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN053096.D
Acq: 21 Dec 2018 11:11

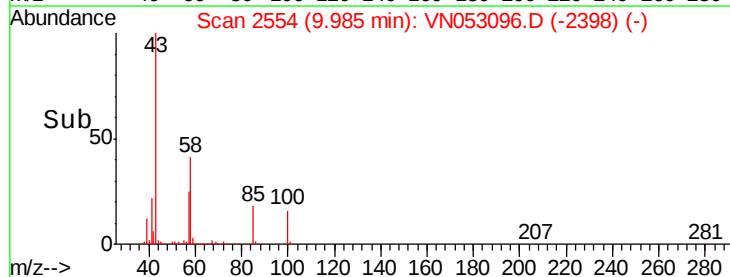
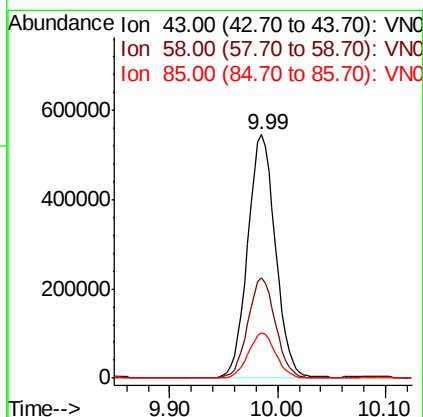
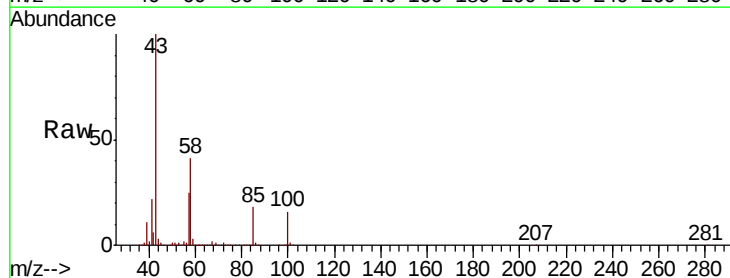
Instrument :
MSVOA_N
ClientSampled :
VN1221WBSD01

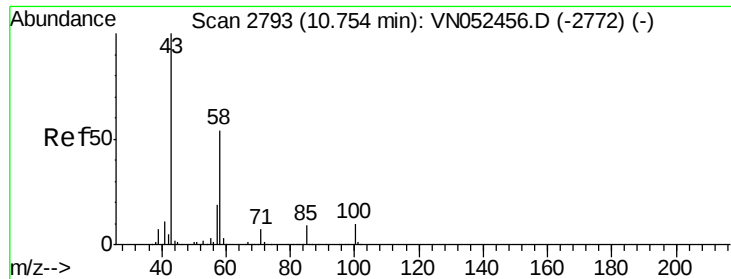
Tot Ion:117 Resp: 867135
Ion Ratio Lower Upper
117 100
82 53.4 44.2 66.2
119 32.3 25.4 38.2



#58
4-Methyl-2-Pentanone
Concen: 115.792 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN053096.D
Acq: 21 Dec 2018 11:11

Tgt Ion: 43 Resp: 973419
Ion Ratio Lower Upper
43 100
58 41.2 31.6 47.4
85 18.4 13.3 19.9

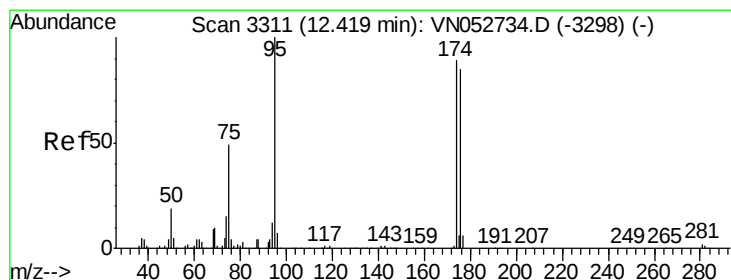
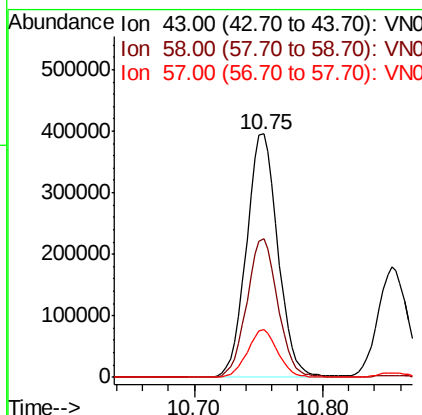
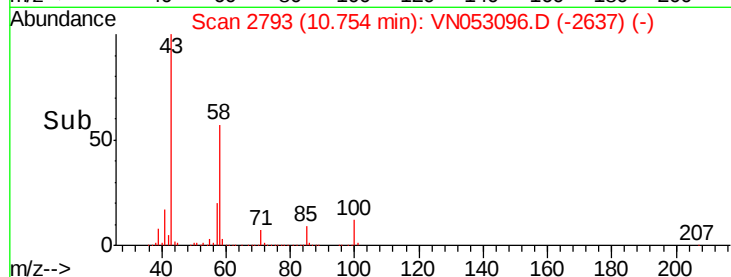
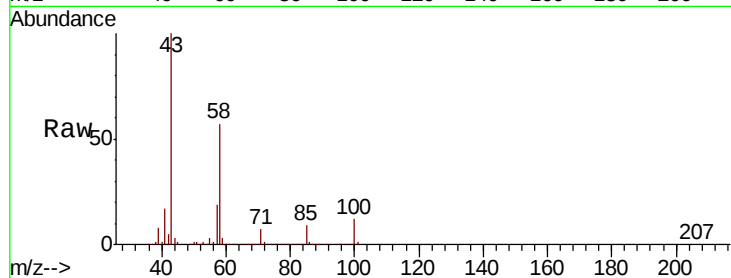




#59
2-Hexanone
Concen: 116.776 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN053096.D
Acq: 21 Dec 2018 11:11

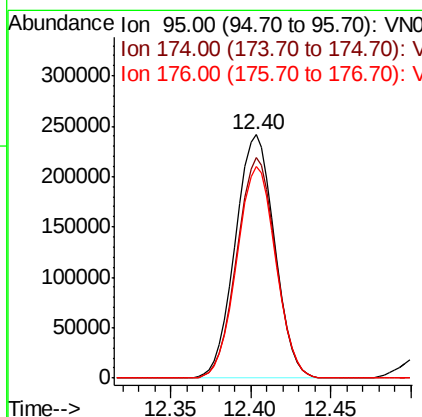
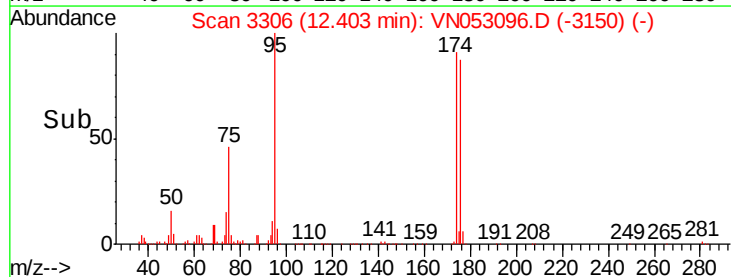
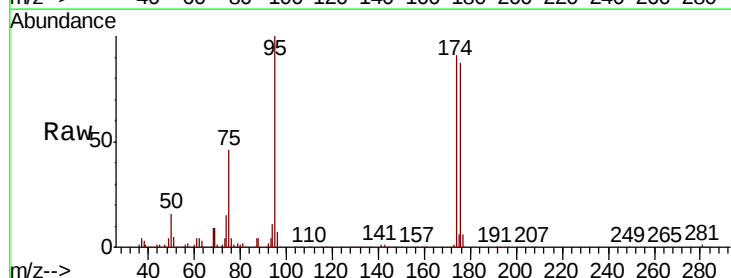
Instrument :
MSVOA_N
ClientSampleId :
VN1221WBSD01

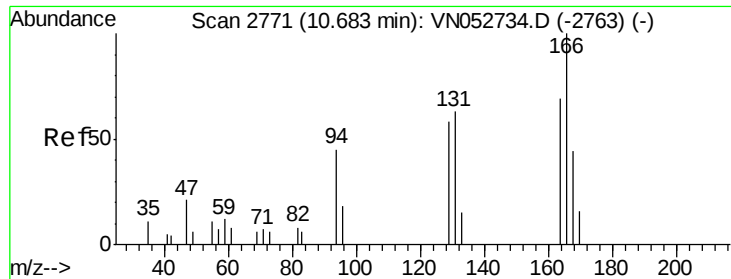
Tot Ion: 43 Resp: 670611
Ion Ratio Lower Upper
43 100
58 56.5 43.2 64.8
57 19.2 14.9 22.3



#60
4-Bromofluorobenzene
Concen: 116.776 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN053096.D
Acq: 21 Dec 2018 11:11

Tgt Ion: 95 Resp: 403560
Ion Ratio Lower Upper
95 100
174 89.7 67.9 101.9
176 86.6 66.4 99.6





#61

Tetrachloroethene

Concen: 23.543 ug/l

RT: 10.63 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VN053096.D

Acq: 21 Dec 2018 11:11

Instrument :

MSVOA_N

ClientSampleId :

VN1221WBSD01

Tot Ion:164 Resp: 251437

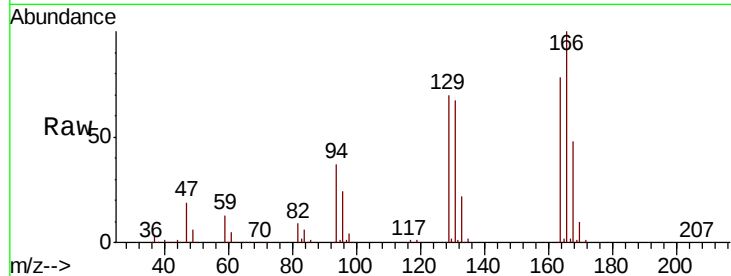
Ion Ratio Lower Upper

164 100

166 128.9 104.6 157.0

129 90.8 75.3 112.9

131 86.7 74.3 111.5

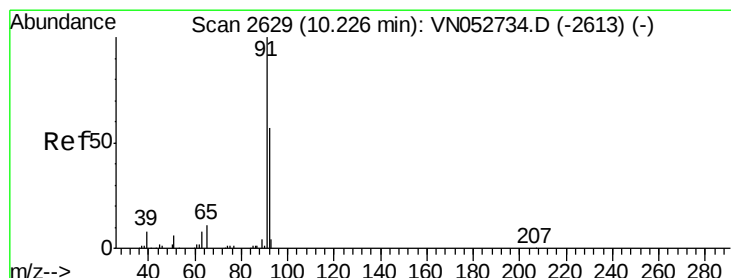
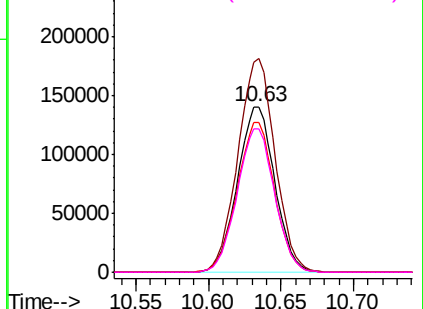
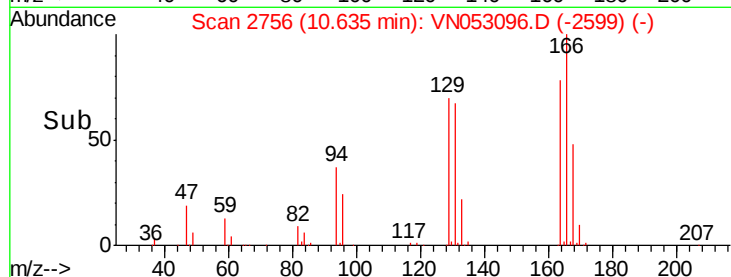


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 19.849 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN053096.D

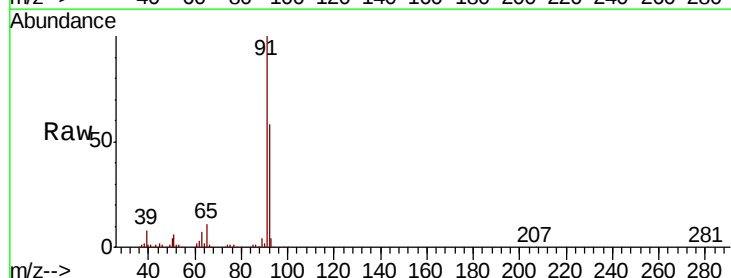
Acq: 21 Dec 2018 11:11

Tgt Ion: 91 Resp: 948834

Ion Ratio Lower Upper

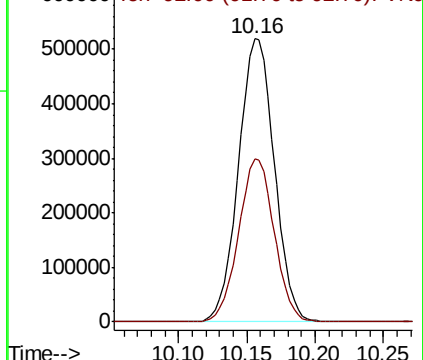
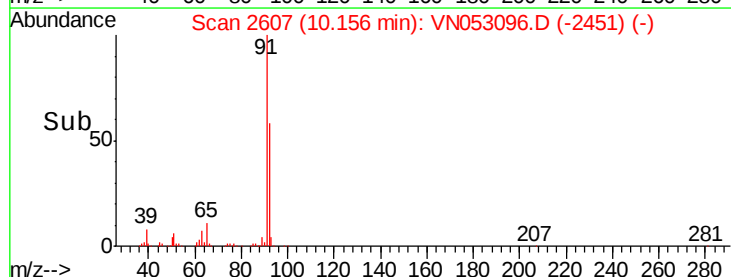
91 100

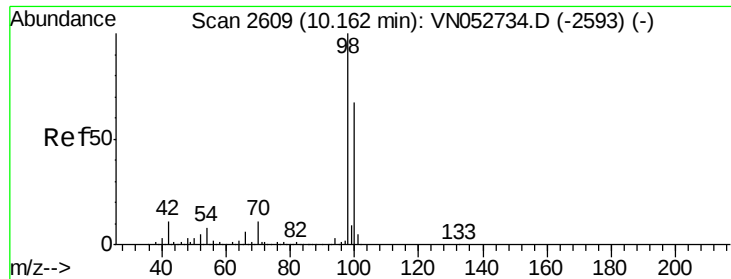
92 57.3 45.4 68.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 19.849 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053096.D

Acq: 21 Dec 2018 11:11

Instrument :

MSVOA_N

ClientSampleId :

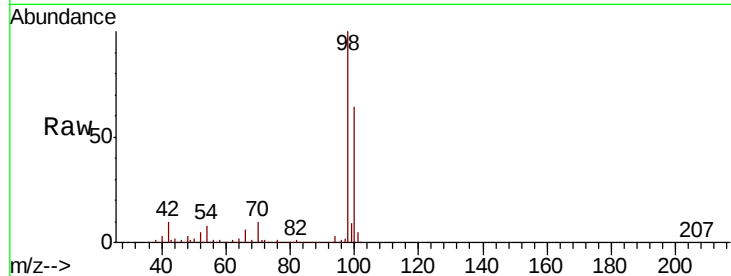
VN1221WBSD01

Tot Ion: 98 Resp: 1149950

Ion Ratio Lower Upper

98 100

100 64.4 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VN052734.D (-2593) (-)

Ion 100.00 (99.70 to 100.70): VN052734.D (-2593) (-)

10.09

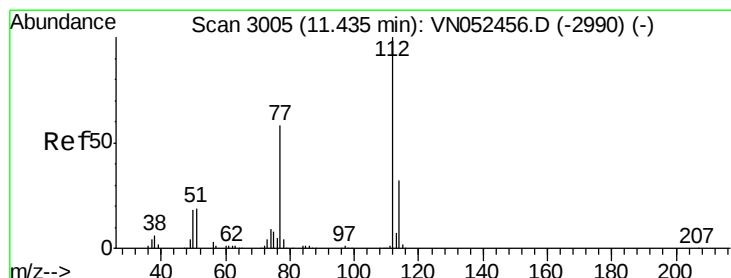
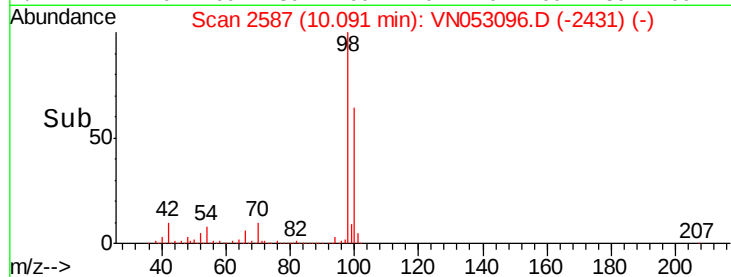
600000

400000

200000

0

Time-->



#64

Chlorobenzene

Concen: 20.539 ug/l

RT: 11.44 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VN053096.D

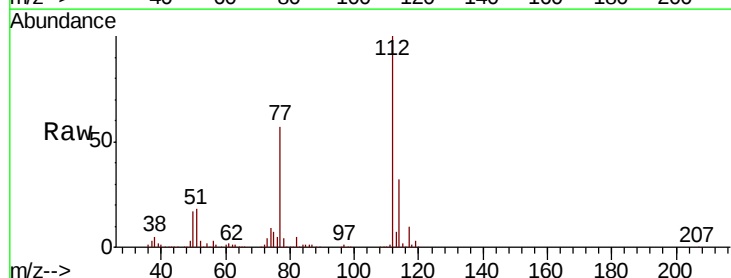
Acq: 21 Dec 2018 11:11

Tgt Ion: 112 Resp: 599256

Ion Ratio Lower Upper

112 100

114 31.8 25.6 38.4



Abundance Ion 112.00 (111.70 to 112.70): VN052456.D (-2990) (-)

Ion 114.00 (113.70 to 114.70): VN052456.D (-2990) (-)

11.44

400000

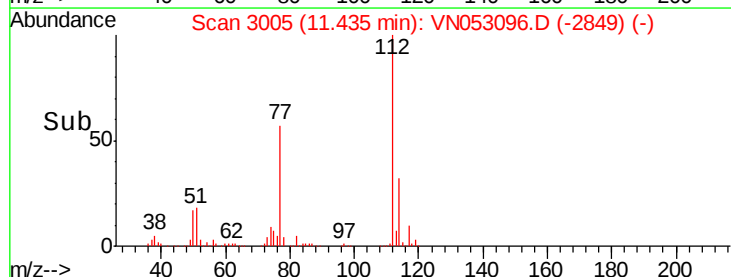
300000

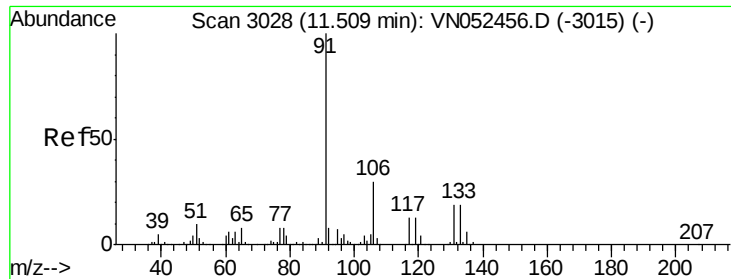
200000

100000

0

Time-->





#65

1,1,1,2-Tetrachloroethane

Concen: 20.975 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN053096.D

Acq: 21 Dec 2018 11:11

Instrument :

MSVOA_N

ClientSampleId :

VN1221WBSD01

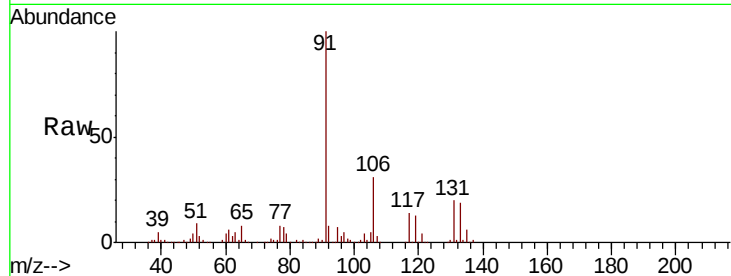
Tot Ion:131 Resp: 212426

Ion Ratio Lower Upper

131 100

133 94.3 0.0 193.4

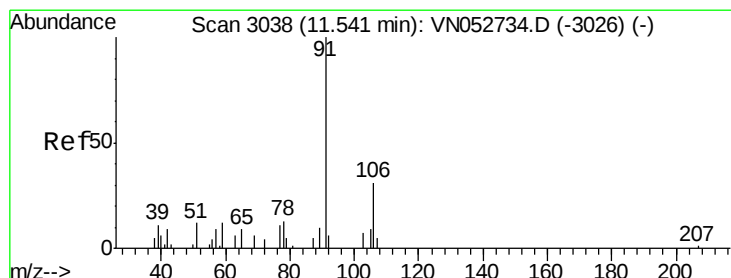
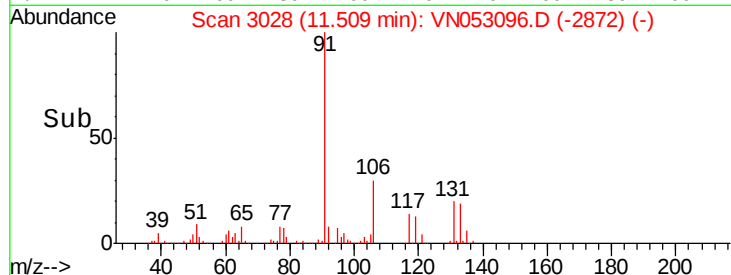
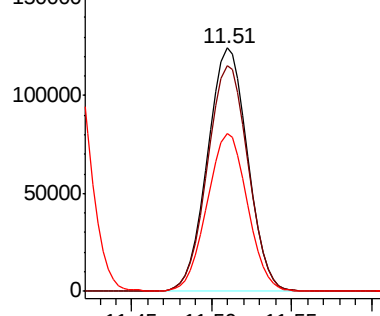
119 65.2 0.0 133.0



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 19.991 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN053096.D

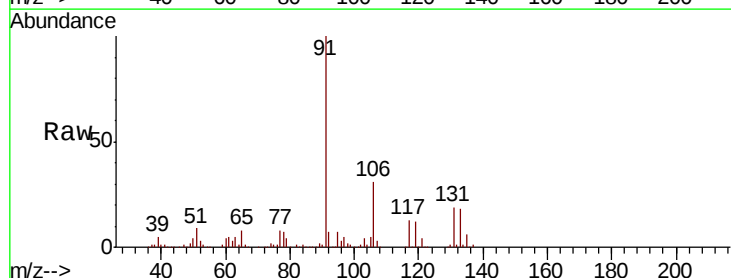
Acq: 21 Dec 2018 11:11

Tgt Ion: 91 Resp: 1029954

Ion Ratio Lower Upper

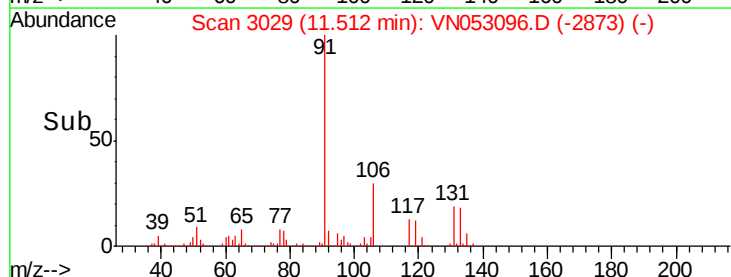
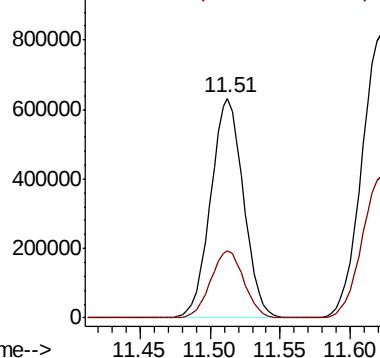
91 100

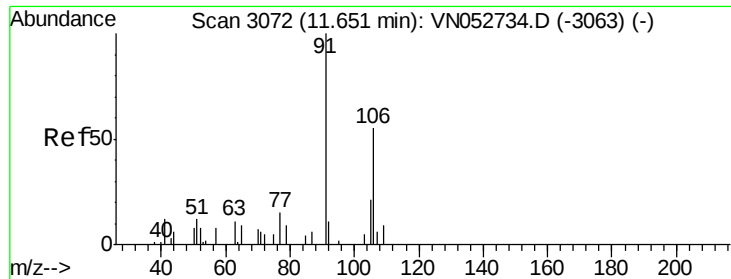
106 30.7 24.3 36.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V





#67

m/p-Xylenes

Concen: 40.792 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN053096.D

Acq: 21 Dec 2018 11:11

Instrument :

MSVOA_N

ClientSampleId :

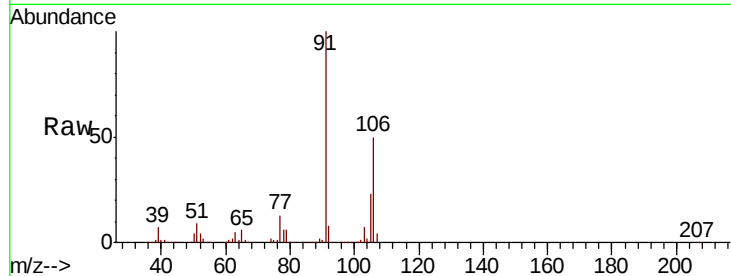
VN1221WBSD01

Tot Ion:106 Resp: 782961

Ion Ratio Lower Upper

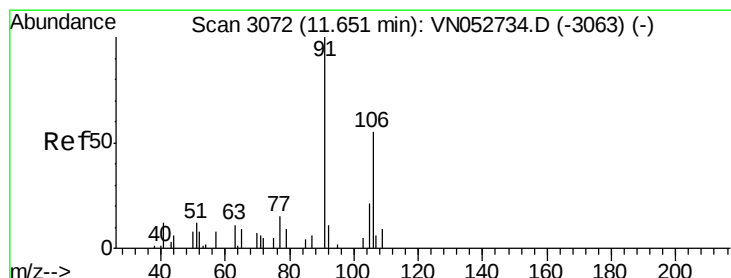
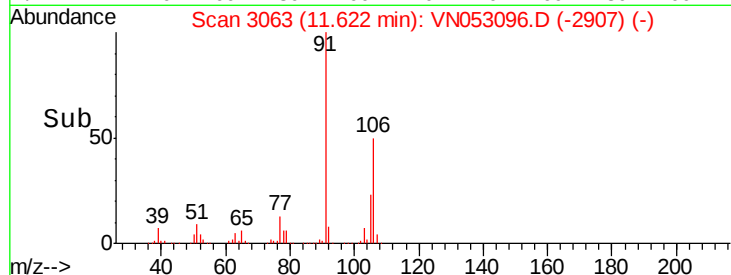
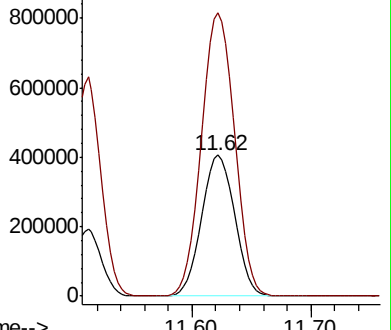
106 100

91 201.2 163.9 245.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#68

o-Xylene

Concen: 20.766 ug/l

RT: 11.95 min Scan# 3165

Delta R.T. 0.00 min

Lab File: VN053096.D

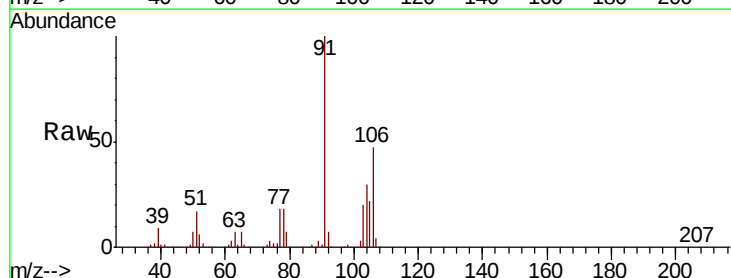
Acq: 21 Dec 2018 11:11

Tgt Ion:106 Resp: 386856

Ion Ratio Lower Upper

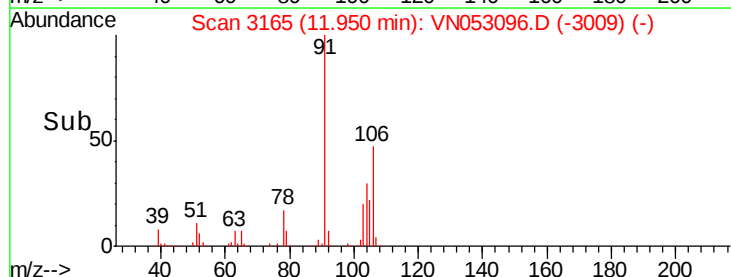
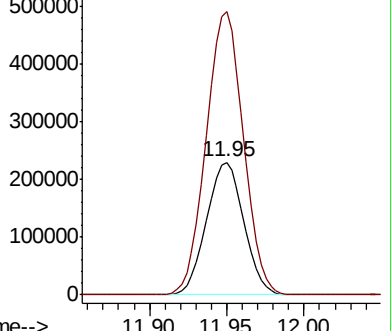
106 100

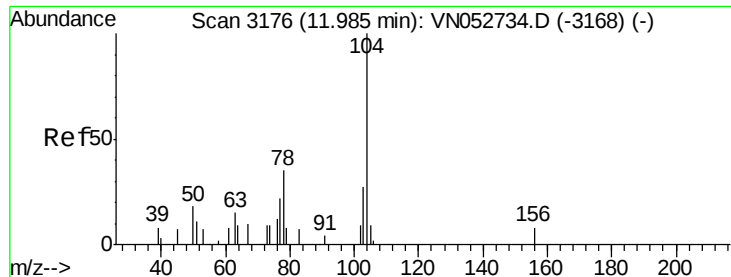
91 212.8 107.8 323.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN

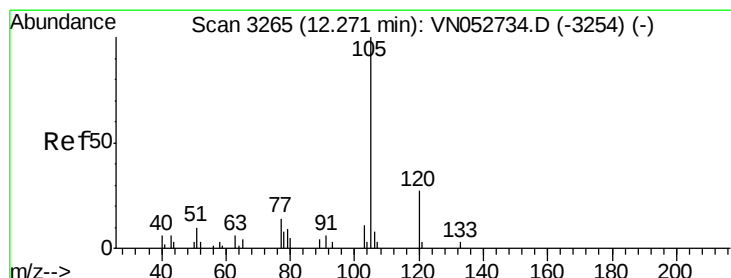
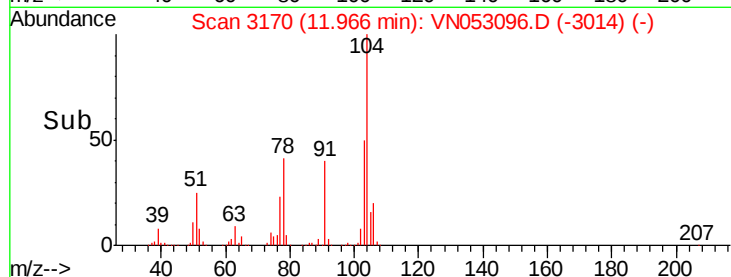
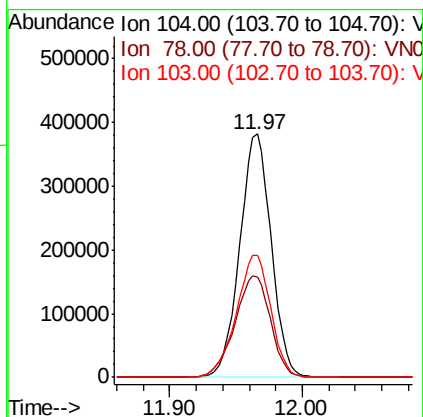
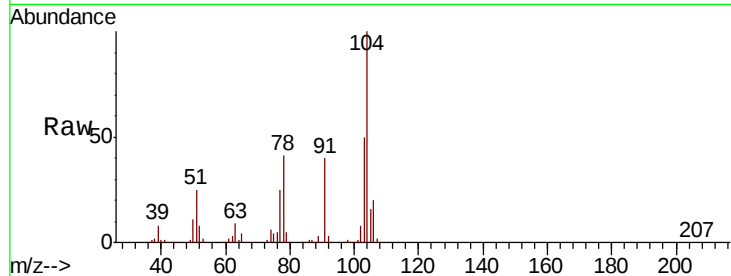




#69
Stvrene
Concen: 20.950 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN053096.D
Acq: 21 Dec 2018 11:11

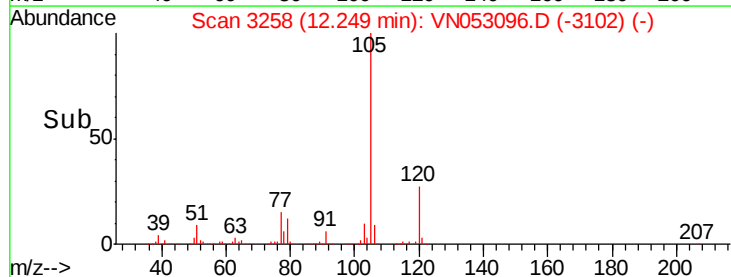
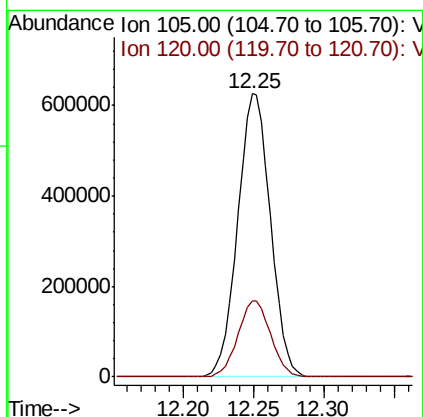
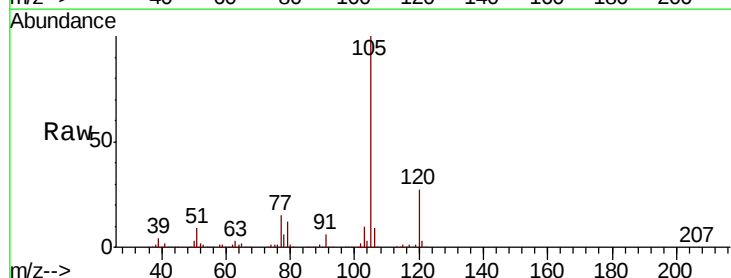
Instrument :
MSVOA_N
ClientSampleId :
VN1221WBSD01

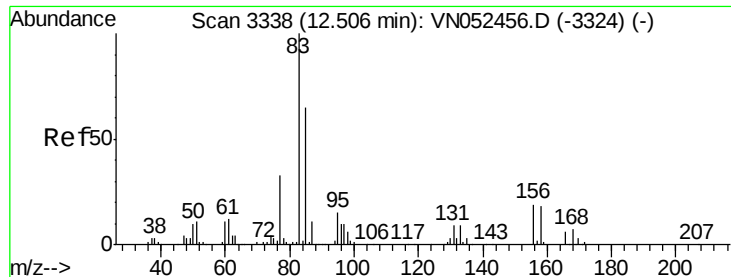
Tot Ion	Ratio	Lower	Upper
104	100		
78	47.0	39.3	58.9
103	54.9	44.6	66.8



#70
Isopropylbenzene
Concen: 20.547 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN053096.D
Acq: 21 Dec 2018 11:11

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.8	18.6	34.6

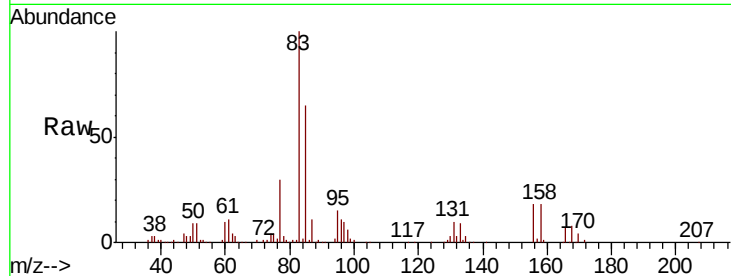




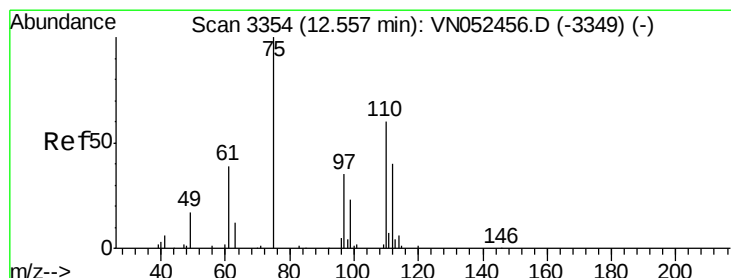
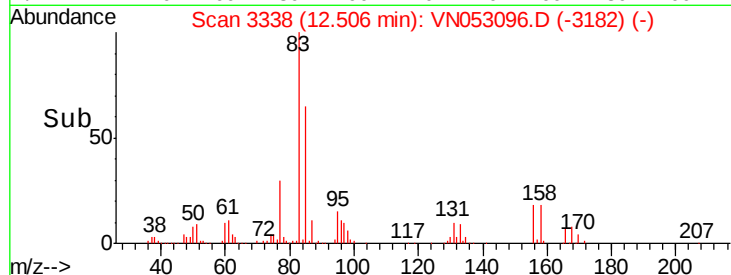
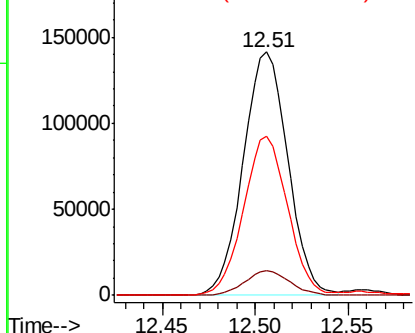
#71
 1,1,2,2-Tetrachloroethane
 Concen: 21.939 ug/l
 RT: 12.51 min Scan# 3338
 Delta R.T. 0.00 min
 Lab File: VN053096.D
 Acq: 21 Dec 2018 11:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1221WBSD01

Tot Ion: 83 Resp: 236559
 Ion Ratio Lower Upper
 83 100
 131 10.3 4.9 14.6
 85 64.5 32.2 96.6

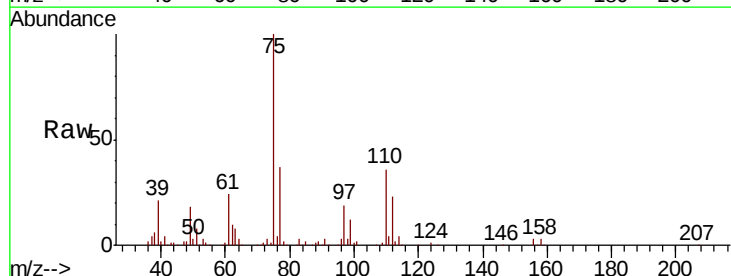


Abundance Ion 83.00 (82.70 to 83.70): VNO
 Ion 131.00 (130.70 to 131.70): VNO
 Ion 85.00 (84.70 to 85.70): VNO

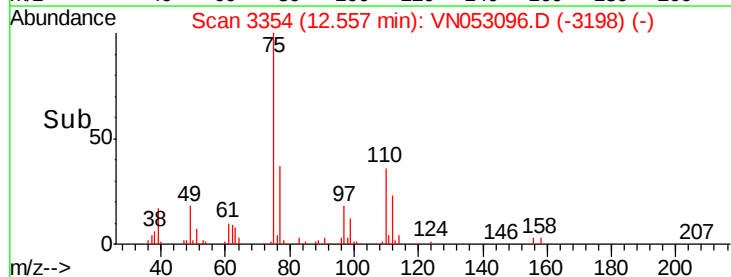
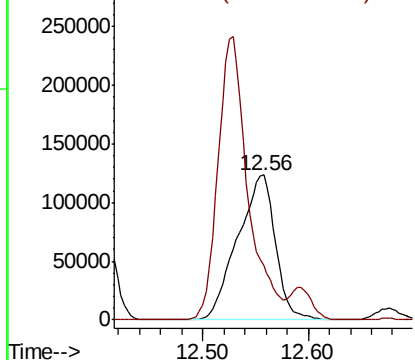


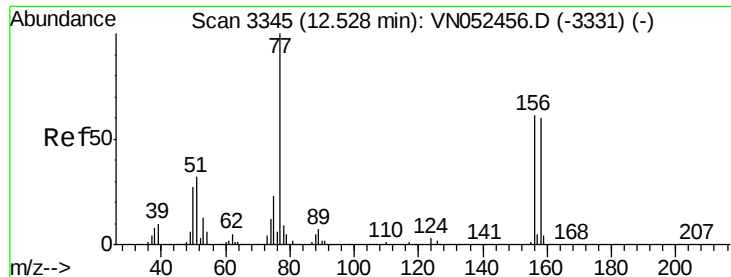
#72
 1,2,3-Trichloropropane
 Concen: 33.323 ug/l
 RT: 12.56 min Scan# 3354
 Delta R.T. 0.00 min
 Lab File: VN053096.D
 Acq: 21 Dec 2018 11:11

Tgt Ion: 75 Resp: 308439
 Ion Ratio Lower Upper
 75 100
 77 153.9 0.0 514.8



Abundance Ion 75.00 (74.70 to 75.70): VNO
 Ion 77.00 (76.70 to 77.70): VNO





#73

Bromobenzene

Concen: 21.815 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN053096.D

Acq: 21 Dec 2018 11:11

Instrument :

MSVOA_N

ClientSampleId :

VN1221WBSD01

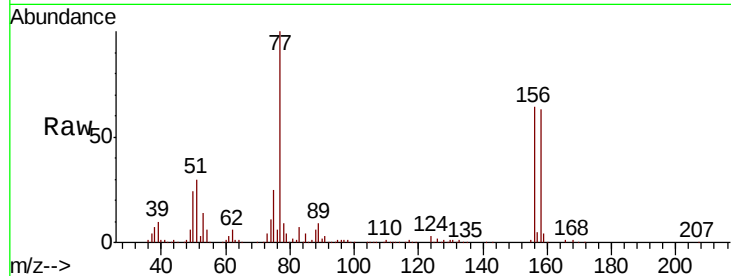
Tot Ion:156 Resp: 261521

Ion Ratio Lower Upper

156 100

77 181.5 0.0 382.6

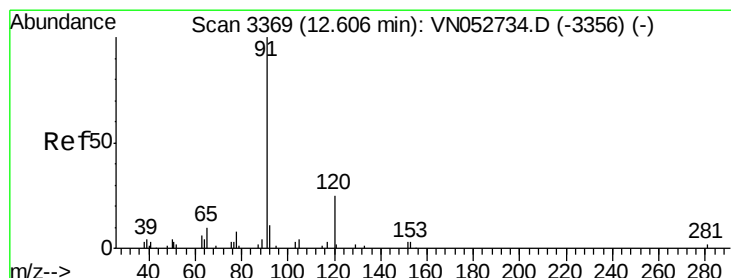
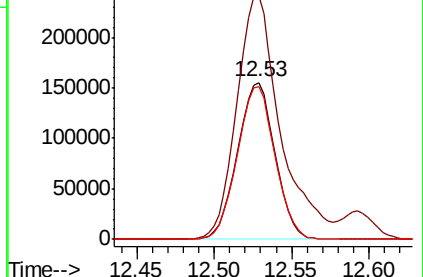
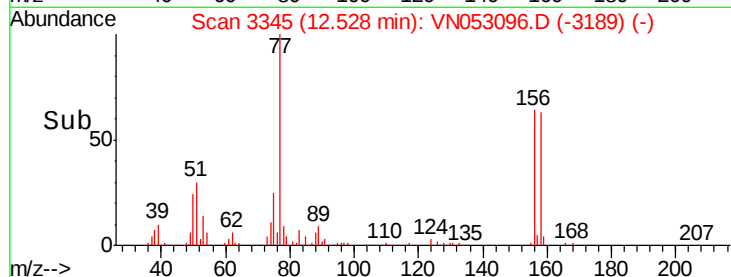
158 98.0 0.0 196.8



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 19.654 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN053096.D

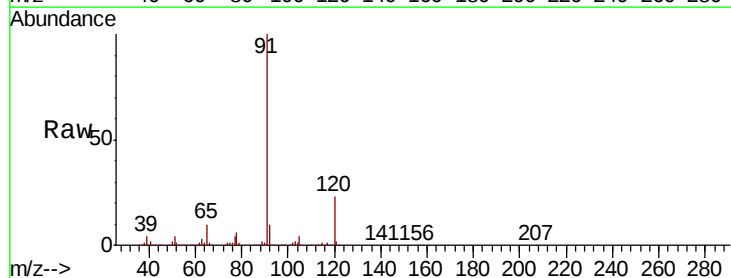
Acq: 21 Dec 2018 11:11

Tgt Ion: 91 Resp: 1135111

Ion Ratio Lower Upper

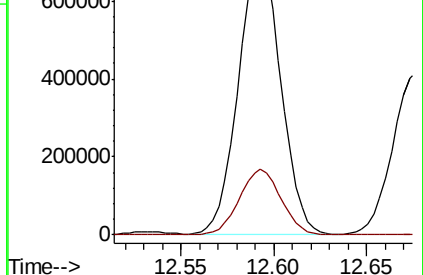
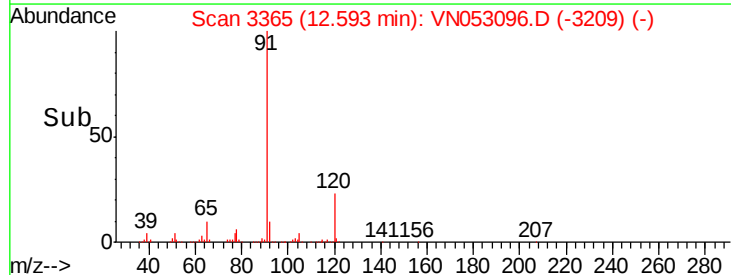
91 100

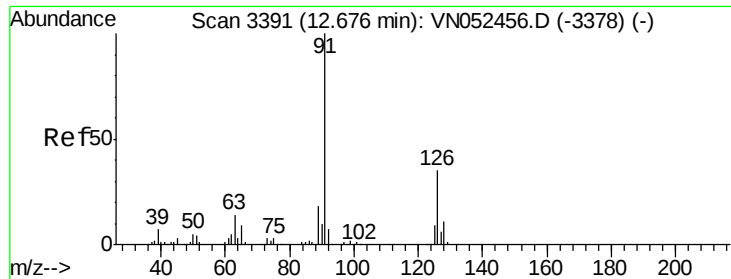
120 23.0 0.0 44.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 20.328 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN053096.D

Acq: 21 Dec 2018 11:11

Instrument :

MSVOA_N

ClientSampleId :

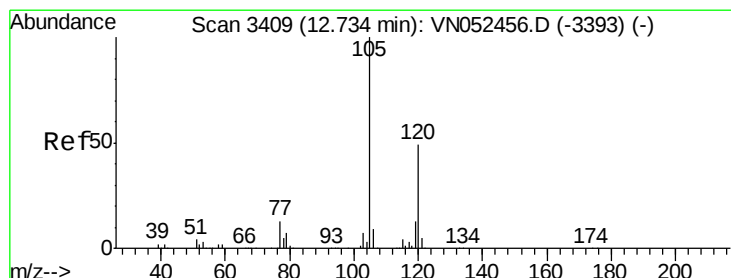
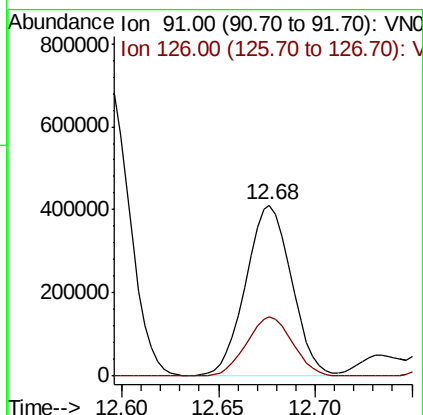
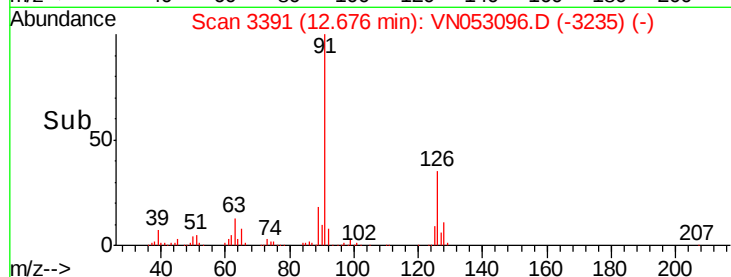
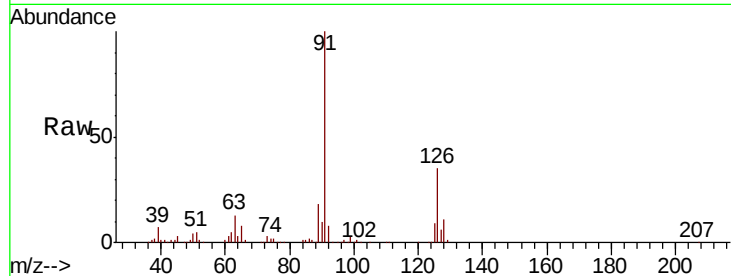
VN1221WBSD01

Tot Ion: 91 Resp: 681446

Ion Ratio Lower Upper

91 100

126 34.9 0.0 68.4



#76

1,3,5-Trimethylbenzene

Concen: 20.083 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053096.D

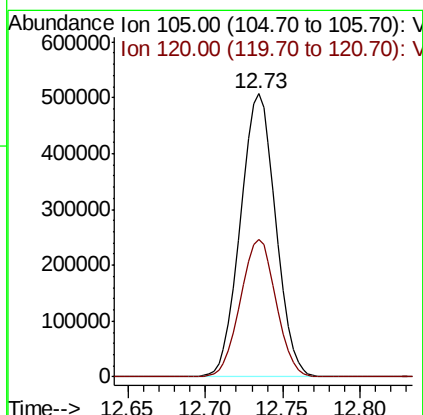
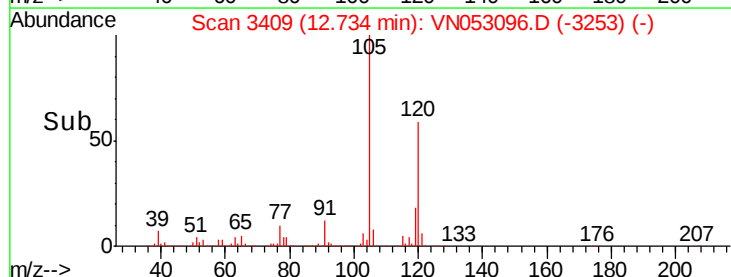
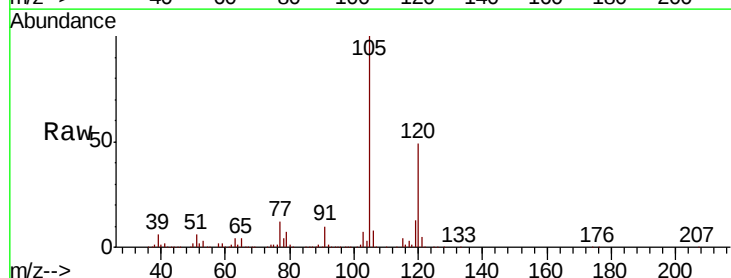
Acq: 21 Dec 2018 11:11

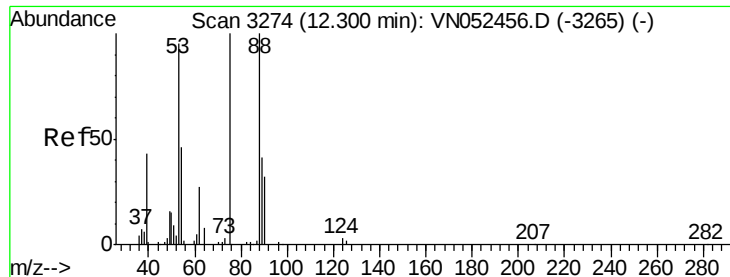
Tgt Ion: 105 Resp: 804040

Ion Ratio Lower Upper

105 100

120 49.1 0.0 97.4





#77

t-1,4-Dichloro-2-butene

Concen: 22.518 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN053096.D

Acq: 21 Dec 2018 11:11

Instrument :

MSVOA_N

ClientSampleId :

VN1221WBSD01

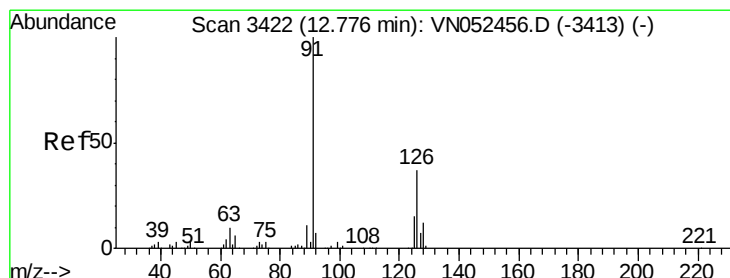
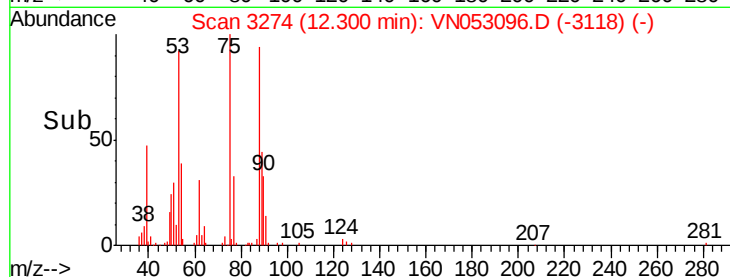
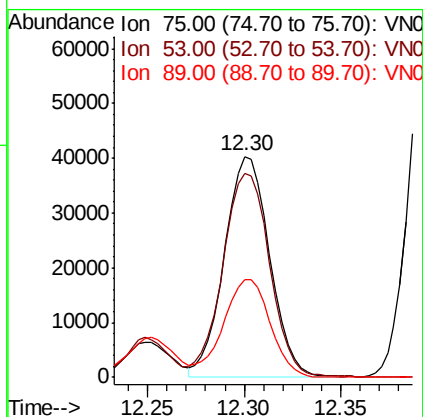
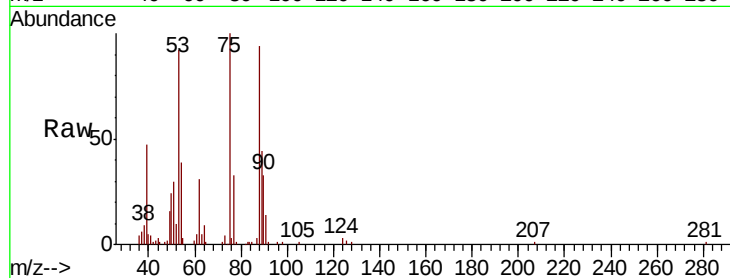
Tot Ion: 75 Resp: 65841

Ion Ratio Lower Upper

75 100

53 91.9 48.5 145.6

89 44.3 21.7 65.1



#78

4-Chlorotoluene

Concen: 20.253 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN053096.D

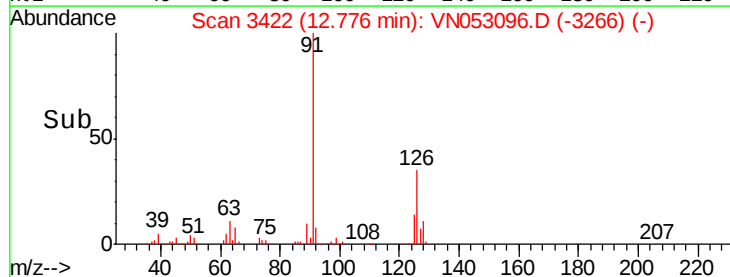
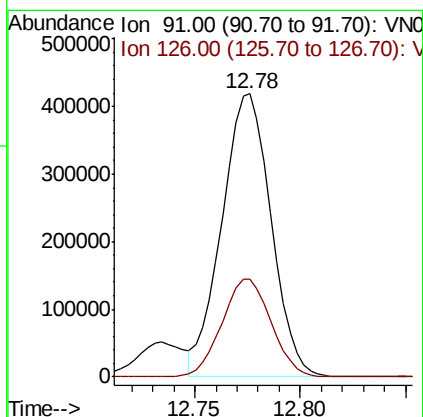
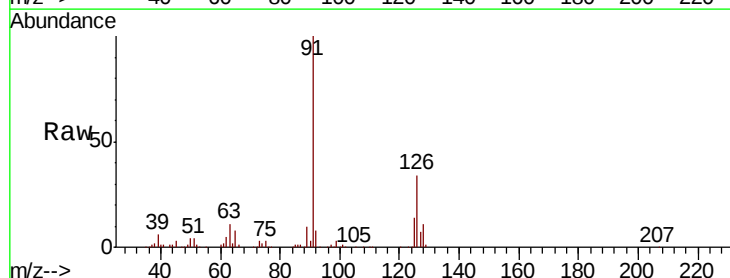
Acq: 21 Dec 2018 11:11

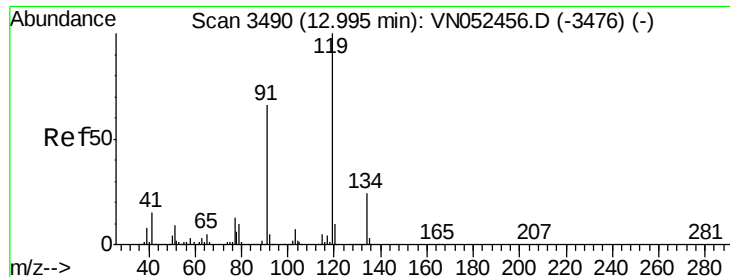
Tgt Ion: 91 Resp: 678023

Ion Ratio Lower Upper

91 100

126 34.6 0.0 68.2

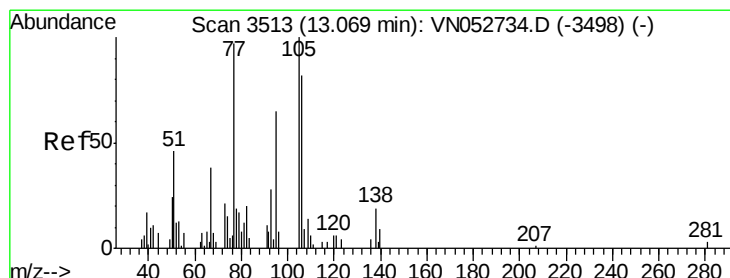
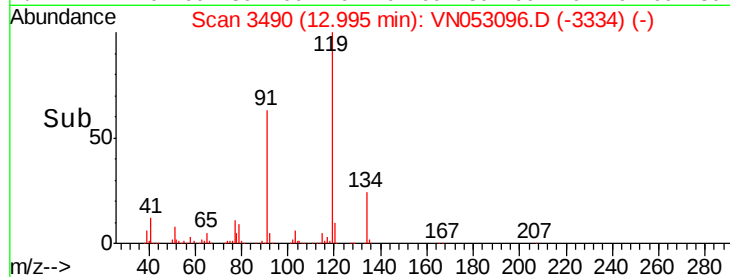
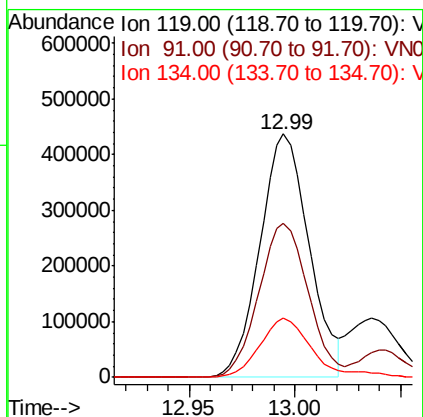
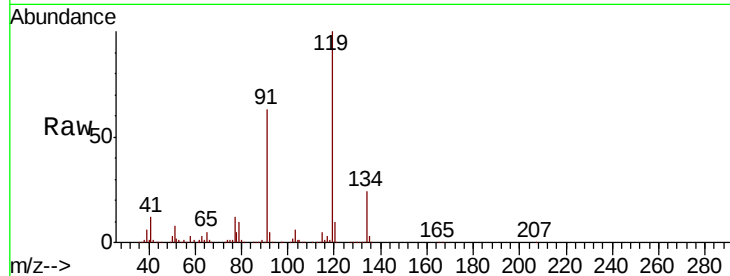




#79
tert-butylbenzene
Concen: 20.374 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN053096.D
Acq: 21 Dec 2018 11:11

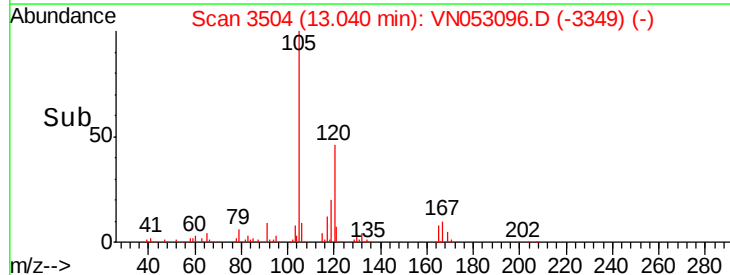
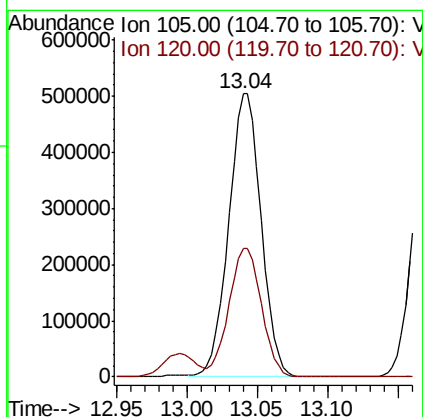
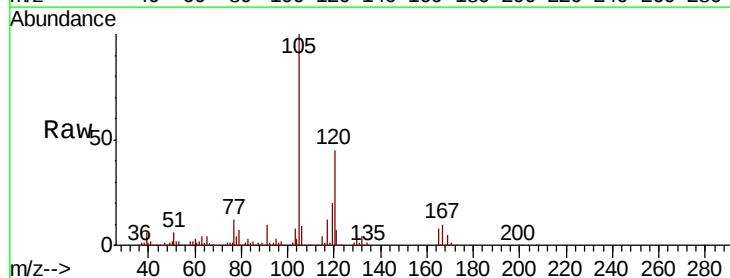
Instrument :
MSVOA_N
ClientSampleId :
VN1221WBSD01

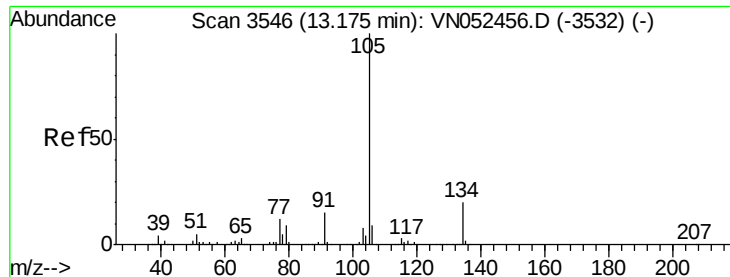
Tot Ion:119 Resp: 710394
Ion Ratio Lower Upper
119 100
91 63.5 0.0 129.8
134 24.4 0.0 52.2



#80
1,2,4-Trimethylbenzene
Concen: 20.231 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN053096.D
Acq: 21 Dec 2018 11:11

Tgt Ion:105 Resp: 810481
Ion Ratio Lower Upper
105 100
120 45.7 0.0 91.0

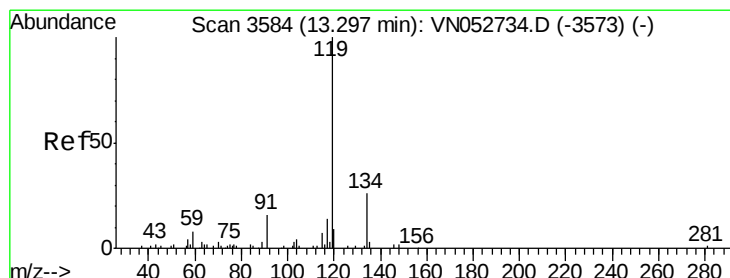
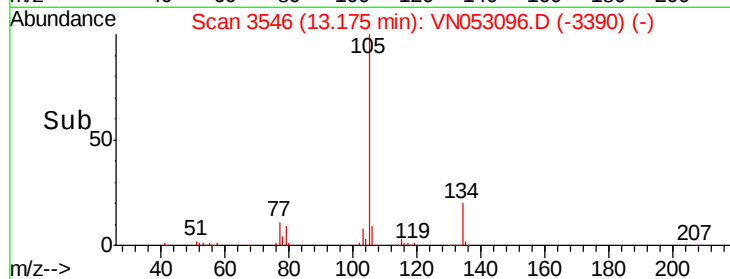
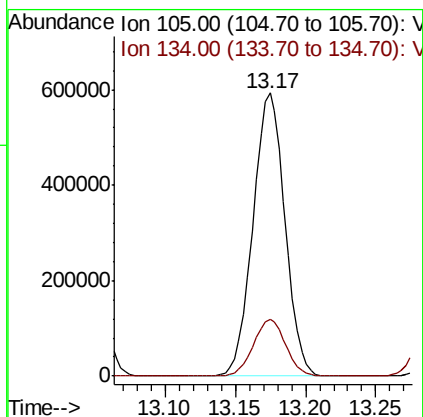
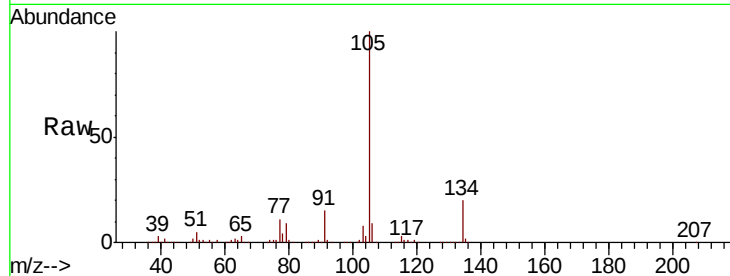




#81
 sec-Butylbenzene
 Concen: 19.318 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. 0.00 min
 Lab File: VN053096.D
 Acq: 21 Dec 2018 11:11

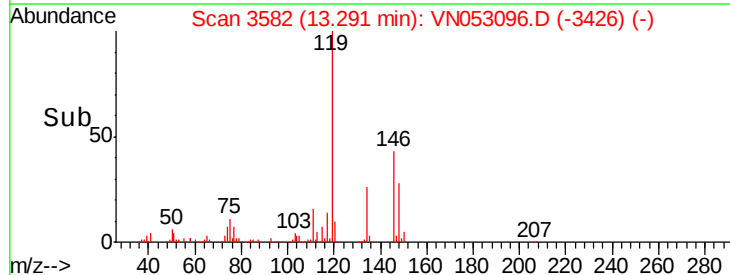
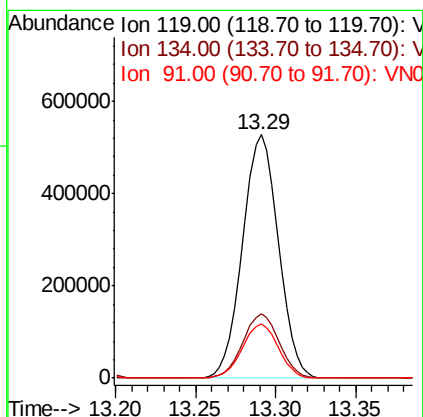
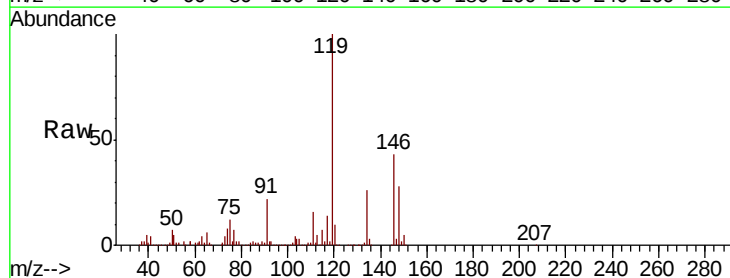
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1221WBSD01

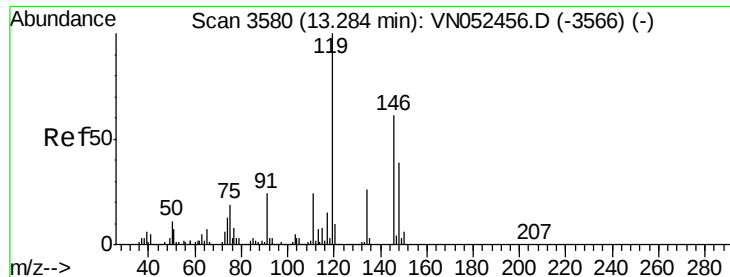
Tot Ion:105 Resp: 938162
 Ion Ratio Lower Upper
 105 100
 134 20.2 0.0 40.4



#82
 p-Isopropyltoluene
 Concen: 19.479 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN053096.D
 Acq: 21 Dec 2018 11:11

Tgt Ion:119 Resp: 805522
 Ion Ratio Lower Upper
 119 100
 134 26.5 0.0 52.6
 91 22.3 0.0 46.2





#83

1,3-Dichlorobenzene

Concen: 20.882 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN053096.D

Acq: 21 Dec 2018 11:11

Instrument :

MSVOA_N

ClientSampleId :

VN1221WBSD01

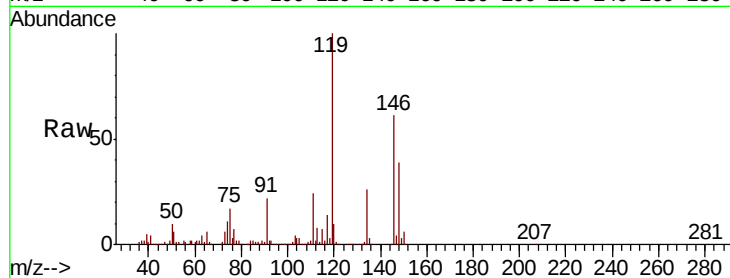
Tot Ion:146 Resp: 440290

Ion Ratio Lower Upper

146 100

111 38.4 19.7 59.0

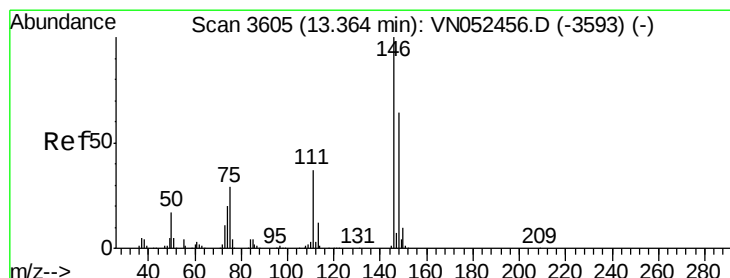
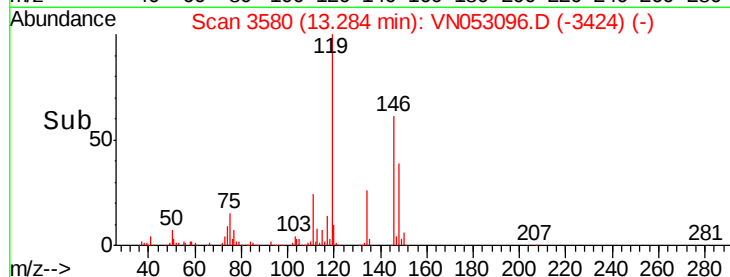
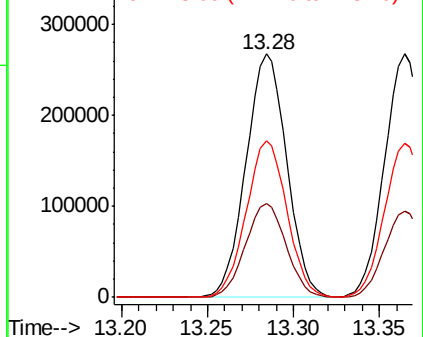
148 64.1 32.3 96.8



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#84

1,4-Dichlorobenzene

Concen: 21.396 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN053096.D

Acq: 21 Dec 2018 11:11

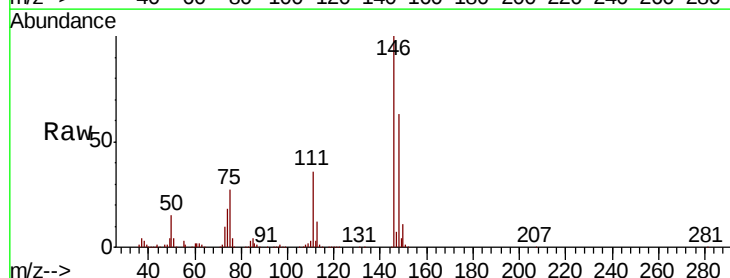
Tgt Ion:146 Resp: 435853

Ion Ratio Lower Upper

146 100

111 35.5 18.8 56.3

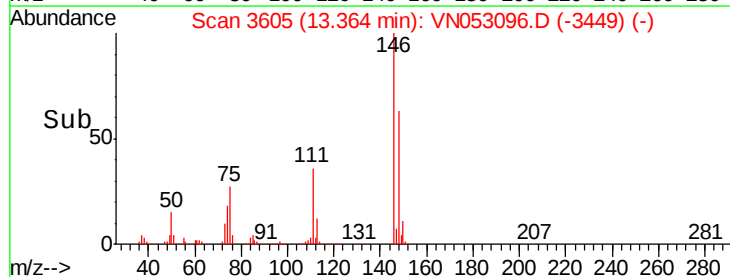
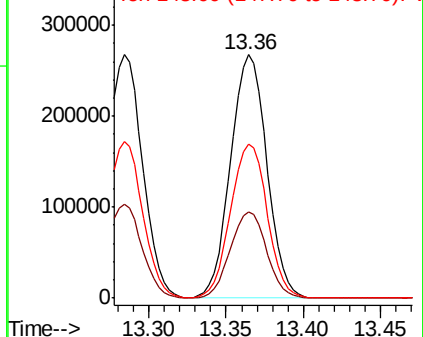
148 63.8 32.5 97.4

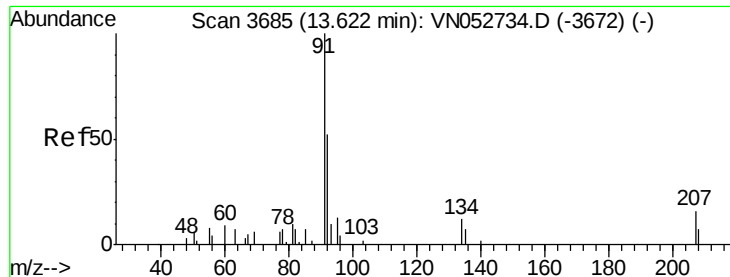


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#85

n-Butylbenzene

Concen: 17.885 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN053096.D

Acq: 21 Dec 2018 11:11

Instrument :

MSVOA_N

ClientSampleId :

VN1221WBSD01

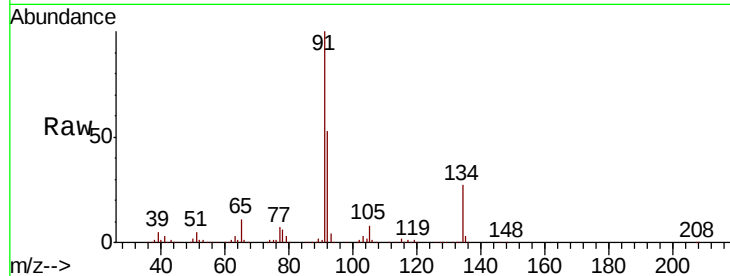
Tot Ion: 91 Resp: 635308

Ion Ratio Lower Upper

91 100

92 52.9 0.0 104.2

134 26.7 0.0 50.6

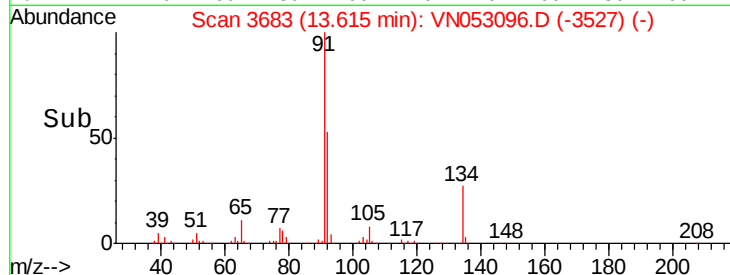


Abundance Ion 91.00 (90.70 to 91.70): VN052734.D (-3672) (-)

Ion 92.00 (91.70 to 92.70): VN052734.D (-3672) (-)

Ion 134.00 (133.70 to 134.70): VN052734.D (-3672) (-)

Time-->

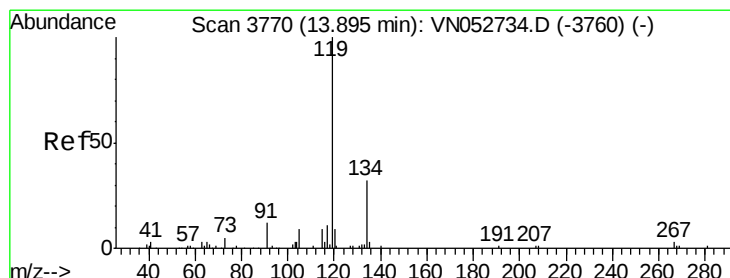


Abundance Ion 91.00 (90.70 to 91.70): VN053096.D (-3527) (-)

Ion 92.00 (91.70 to 92.70): VN053096.D (-3527) (-)

Ion 134.00 (133.70 to 134.70): VN053096.D (-3527) (-)

Time-->



#86

Hexachloroethane

Concen: 18.028 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN053096.D

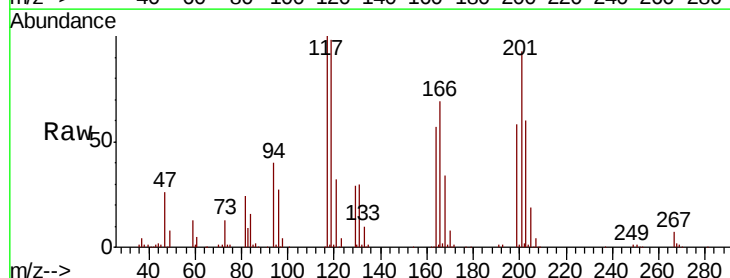
Acq: 21 Dec 2018 11:11

Tgt Ion: 117 Resp: 126323

Ion Ratio Lower Upper

117 100

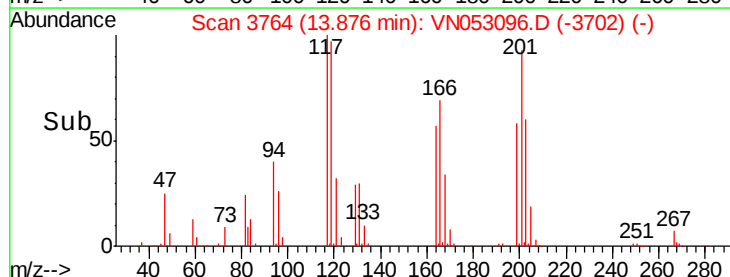
201 92.1 43.8 131.3



Abundance Ion 117.00 (116.70 to 117.70): VN052734.D (-3760) (-)

Ion 201.00 (200.70 to 201.70): VN052734.D (-3760) (-)

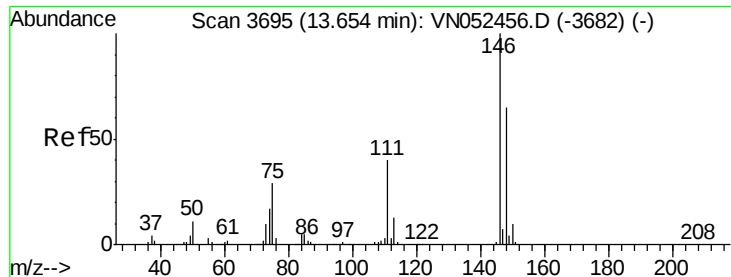
Time-->



Abundance Ion 117.00 (116.70 to 117.70): VN053096.D (-3702) (-)

Ion 201.00 (200.70 to 201.70): VN053096.D (-3702) (-)

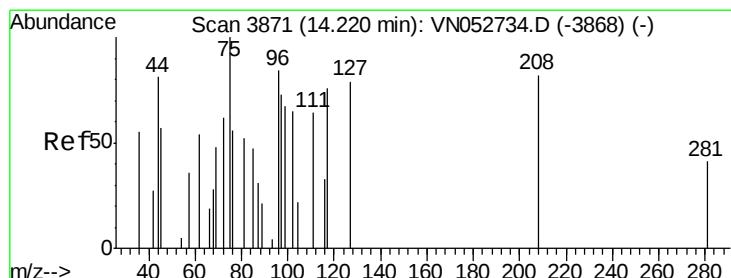
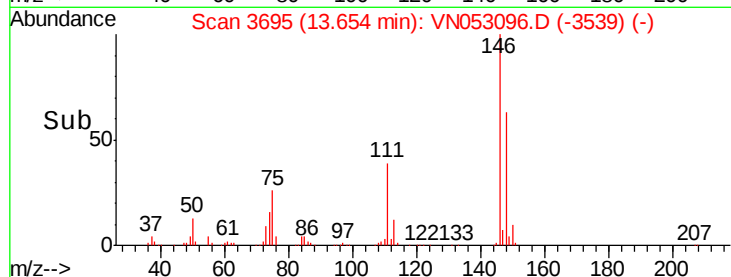
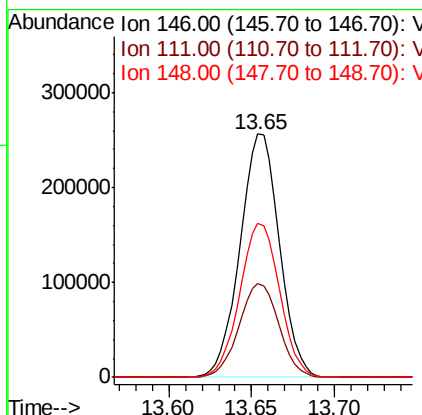
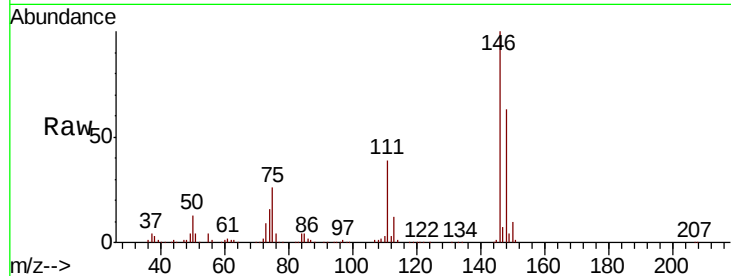
Time-->



#87
 1,2-Dichlorobenzene
 Concen: 21.168 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN053096.D
 Acq: 21 Dec 2018 11:11

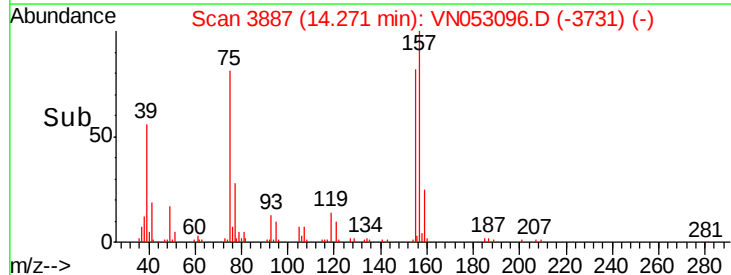
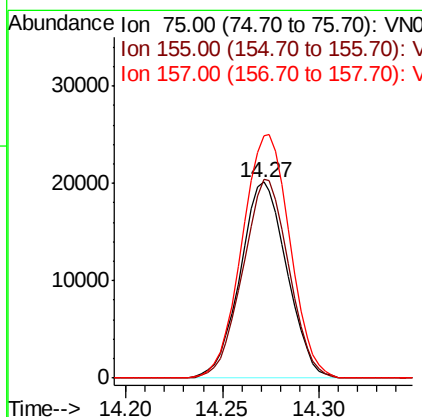
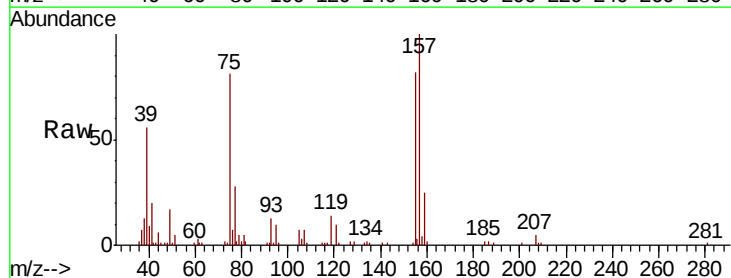
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1221WBSD01

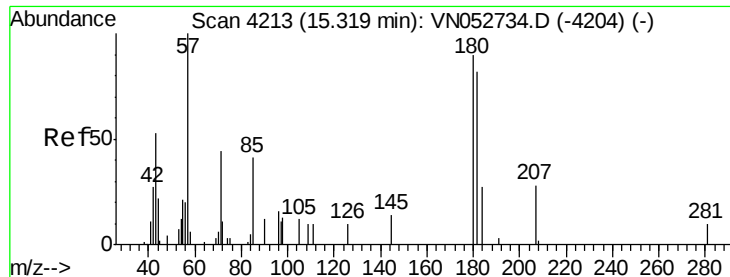
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	20.3	60.8
148	64.0	32.1	96.5



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 22.398 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN053096.D
 Acq: 21 Dec 2018 11:11

Tgt Ion	Ratio	Lower	Upper
75	100		
155	99.9	72.2	108.2
157	127.3	94.2	141.2

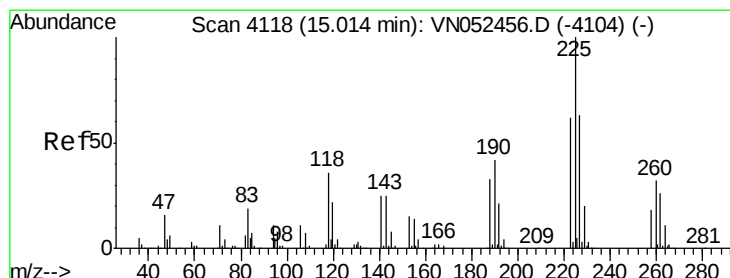
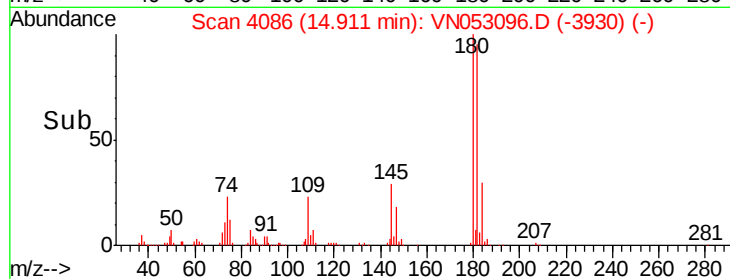
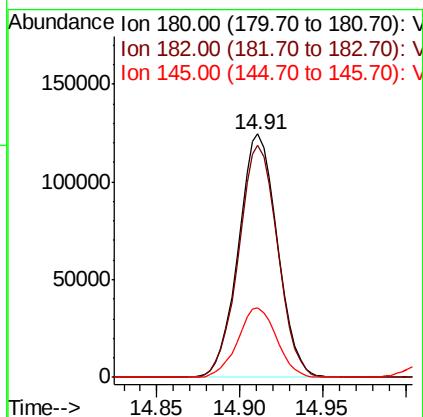
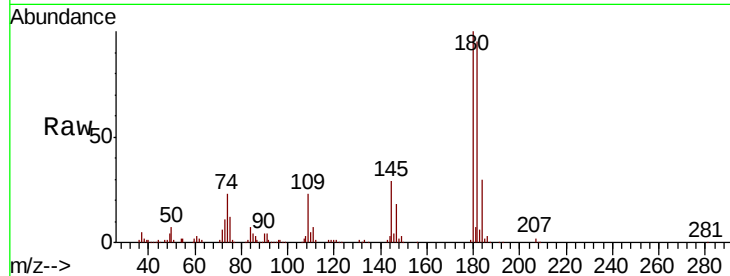




#89
 1,2,4-Trichlorobenzene
 Concen: 20.607 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN053096.D
 Acq: 21 Dec 2018 11:11

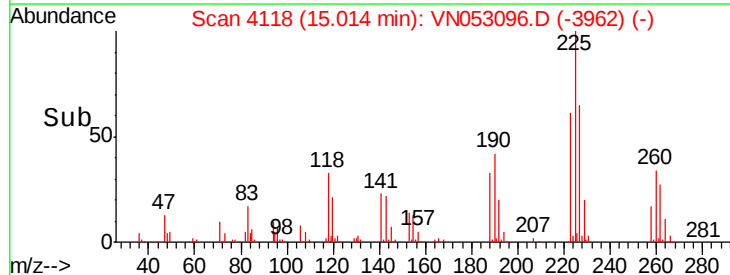
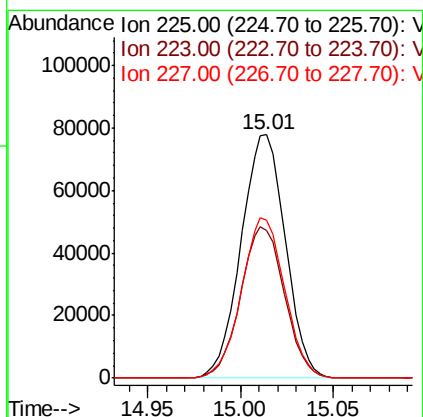
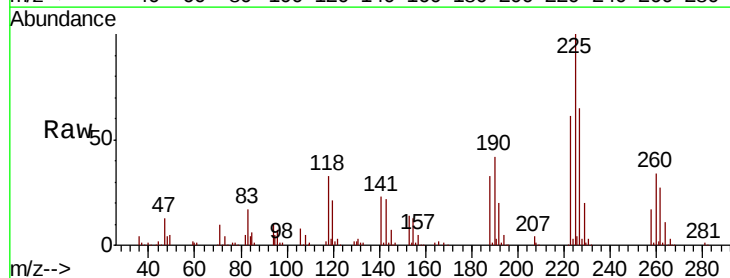
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1221WBSD01

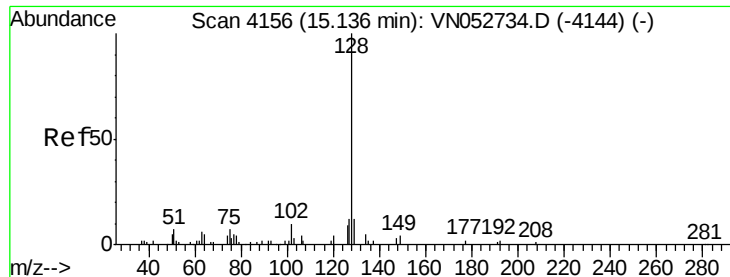
Tot Ion:180 Resp: 203704
 Ion Ratio Lower Upper
 180 100
 182 95.5 76.6 114.8
 145 28.5 23.6 35.4



#90
 Hexachlorobutadiene
 Concen: 19.874 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN053096.D
 Acq: 21 Dec 2018 11:11

Tgt Ion:225 Resp: 128879
 Ion Ratio Lower Upper
 225 100
 223 61.6 0.0 125.6
 227 64.2 0.0 127.8

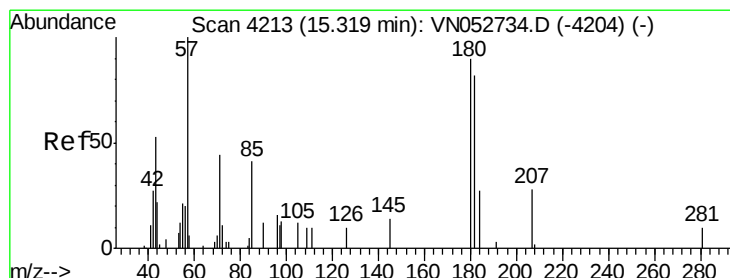
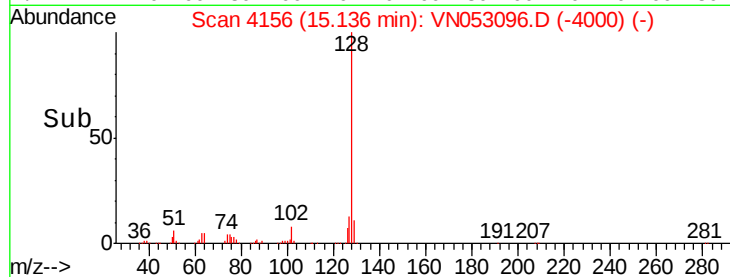
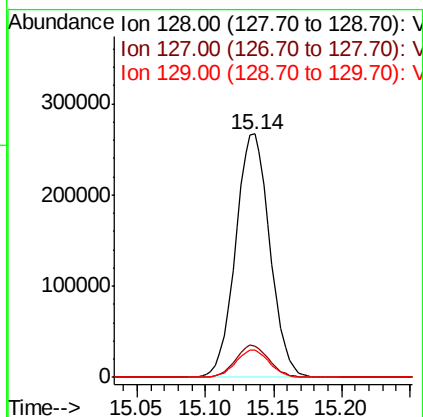
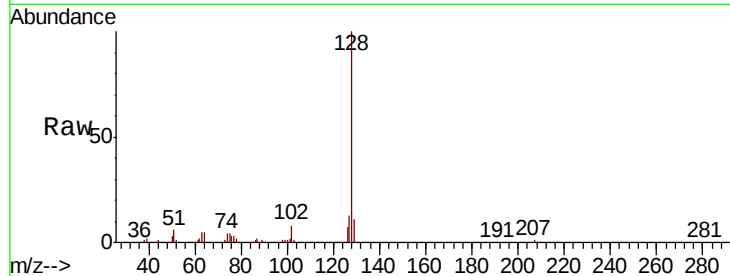




#91
Naphthalene
Concen: 23.247 ug/l
RT: 15.14 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN053096.D
Acq: 21 Dec 2018 11:11

Instrument :
MSVOA_N
ClientSampled :
VN1221WBSD01

Tot Ion:128 Resp: 464076
Ion Ratio Lower Upper
128 100
127 12.8 9.9 14.9
129 11.0 8.5 12.7



#92
1,2,3-Trichlorobenzene
Concen: 20.813 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN053096.D
Acq: 21 Dec 2018 11:11

Tgt Ion:180 Resp: 189608
Ion Ratio Lower Upper
180 100
182 95.5 0.0 196.2
145 29.8 0.0 62.2

