

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN122018\
 Data File : VN053072.D
 Acq On : 20 Dec 2018 23:02
 Operator : MD\SY
 Sample : VN1220WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 33 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1220WBS02

Quant Time: Dec 21 02:37:28 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:03:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1001180	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1557189	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1320387	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	576609	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	547782	53.92	ug/l	0.00
Spiked Amount						
			Recovery	=	107.84%	
35) Dibromofluoromethane	7.59	113	420655	59.14	ug/l	0.00
Spiked Amount						
			Recovery	=	118.28%	
50) Toluene-d8	10.09	98	1909063	49.99	ug/l	0.00
Spiked Amount						
			Recovery	=	99.98%	
62) 4-Bromofluorobenzene	12.40	95	622025	46.40	ug/l	0.00
Spiked Amount						
			Recovery	=	92.80%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	191659	18.915	ug/l	99
3) Chloromethane	2.06	50	227985	18.567	ug/l	100
4) Vinyl Chloride	2.19	62	244667	19.675	ug/l	99
5) Bromomethane	2.58	94	166027	19.270	ug/l	96
6) Chloroethane	2.72	64	149006	20.232	ug/l	97
7) Trichlorofluoromethane	3.03	101	324801	20.966	ug/l	99
8) Diethyl Ether	3.42	74	125743	21.516	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.77	101	199774	20.226	ug/l	98
10) Methyl Iodide	3.96	142	275927	19.893	ug/l	100
11) Tert butyl alcohol	4.78	59	61775	99.649	ug/l	100
12) 1,1-Dichloroethene	3.74	96	198686	20.821	ug/l	97
13) Acrolein	3.61	56	64671	115.050	ug/l	96
14) Allyl chloride	4.33	41	304808	20.621	ug/l	99
15) Acrylonitrile	4.99	53	352587	102.377	ug/l	99
16) Acetone	3.82	43	218051	109.459	ug/l	94
17) Carbon Disulfide	4.06	76	554829	17.828	ug/l	99
18) Methyl Acetate	4.33	43	181153	20.630	ug/l	97
19) Methyl tert-butyl Ether	5.05	73	547515	21.440	ug/l	98
20) Methylene Chloride	4.56	84	221477	20.382	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	209758	20.459	ug/l	100
22) Diisopropyl ether	5.96	45	687051	21.776	ug/l	97
23) Vinyl Acetate	5.90	43	1974721	108.845	ug/l	98
24) 1,1-Dichloroethane	5.86	63	400117	21.342	ug/l	98
25) 2-Butanone	6.84	43	357971	107.075	ug/l	95
26) 2,2-Dichloropropane	6.83	77	271231	18.952	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	244566	21.070	ug/l	99
28) Bromochloromethane	7.20	49	167221	20.584	ug/l	96
29) Tetrahydrofuran	7.21	42	257680	103.199	ug/l	97
30) Chloroform	7.37	83	392716	21.323	ug/l	99
31) Cyclohexane	7.66	56	368615	20.340	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	325717	20.761	ug/l	99
36) 1,1-Dichloropropene	7.80	75	299307	20.025	ug/l	99
37) Ethyl Acetate	6.93	43	176704	21.178	ug/l	99
38) Carbon Tetrachloride	7.78	117	276129	20.156	ug/l	100

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	336780	18.548	ug/l	100
40) Benzene	8.04	78	908203	20.429	ug/l	99
41) Methacrylonitrile	7.18	41	105272	21.836	ug/l	95
42) 1,2-Dichloroethane	8.13	62	270861	20.624	ug/l	99
43) Isopropyl Acetate	8.17	43	335334	20.144	ug/l	99
44) Trichloroethene	8.84	130	250507	19.481	ug/l	97
45) 1,2-Dichloropropane	9.12	63	242707	20.959	ug/l	98
46) Dibromomethane	9.21	93	137827	20.432	ug/l	98
47) Bromodichloromethane	9.40	83	289446	20.185	ug/l	98
48) Methyl methacrylate	9.20	41	159614	19.714	ug/l	98
49) 1,4-Dioxane	9.20	88	35933	350.847	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	834083	103.224	ug/l	100
52) Toluene	10.16	92	546755	19.842	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	282106	18.709	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	343501	19.847	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	196769	20.468	ug/l	99
56) Ethyl methacrylate	10.43	69	253979	19.960	ug/l	97
57) 1,3-Dichloropropane	10.71	76	336637	20.420	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	713223	102.099	ug/l	98
59) 2-Hexanone	10.75	43	534415	97.753	ug/l	99
60) Dibromochloromethane	10.90	129	211099	19.183	ug/l	100
61) 1,2-Dibromoethane	11.01	107	190527	19.514	ug/l	100
64) Tetrachloroethene	10.63	164	272545	19.055	ug/l	99
65) Chlorobenzene	11.44	112	592544	20.245	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	210935	20.724	ug/l	99
67) Ethyl Benzene	11.51	91	1011305	20.091	ug/l	100
68) m/p-Xylenes	11.62	106	757478	39.585	ug/l	99
69) o-Xylene	11.95	106	370430	20.174	ug/l	100
70) Styrene	11.96	104	599654	20.028	ug/l	99
71) Bromoform	12.13	173	135552	18.435	ug/l #	99
73) Isopropylbenzene	12.25	105	976699	21.649	ug/l	99
74) N-amyl acetate	12.07	43	265247	21.177	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	206221	23.300	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	267652	27.574	ug/l #	100
77) Bromobenzene	12.53	156	244421	20.842	ug/l	98
78) n-propylbenzene	12.59	91	1072276	20.869	ug/l	100
79) 2-Chlorotoluene	12.68	91	644356	20.232	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	760855	20.691	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	55664	18.483	ug/l	99
82) 4-Chlorotoluene	12.77	91	639944	20.526	ug/l	99
83) tert-Butylbenzene	12.99	119	672770	20.687	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	765307	20.703	ug/l	100
85) sec-Butylbenzene	13.17	105	874086	19.871	ug/l	100
86) p-Isopropyltoluene	13.29	119	752206	19.790	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	415000	19.994	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	407156	19.371	ug/l	99
89) n-Butylbenzene	13.62	91	584522	17.875	ug/l	100
90) Hexachloroethane	13.88	117	110210	18.894	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	395035	20.223	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	29505	19.280	ug/l	98

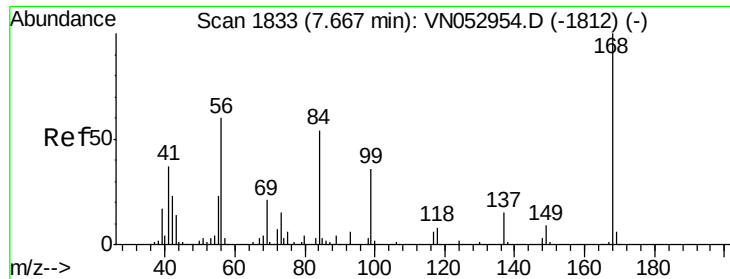
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	194554	19.171	ug/l	99
94) Hexachlorobutadiene	15.01	225	116547	20.028	ug/l	100
95) Naphthalene	15.13	128	407837	18.724	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	179843	19.609	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN053072.D

Acq: 20 Dec 2018 23:02

Instrument :

MSVOA_N

ClientSampleId :

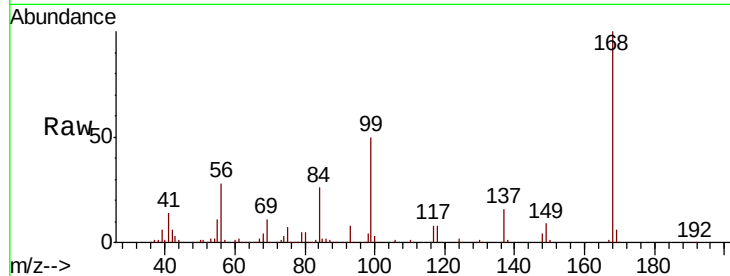
VN1220WBS02

Tot Ion:168 Resp: 1001180

Ion Ratio Lower Upper

168 100

99 50.2 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

400000

300000

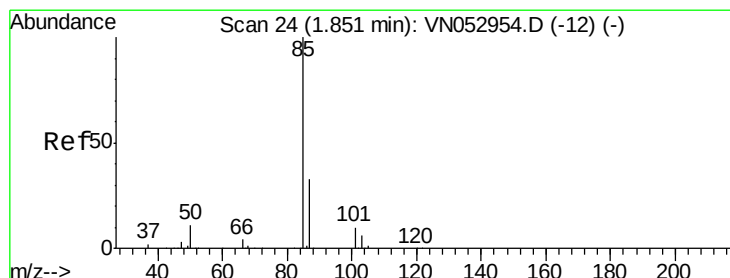
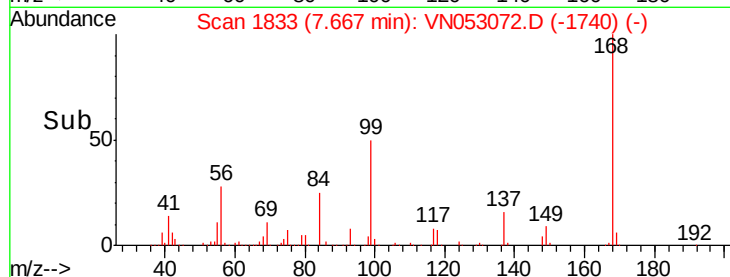
200000

100000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 18.915 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN053072.D

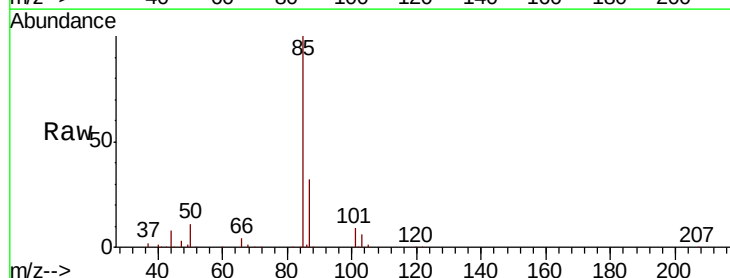
Acq: 20 Dec 2018 23:02

Tgt Ion: 85 Resp: 191659

Ion Ratio Lower Upper

85 100

87 32.1 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

1.85

150000

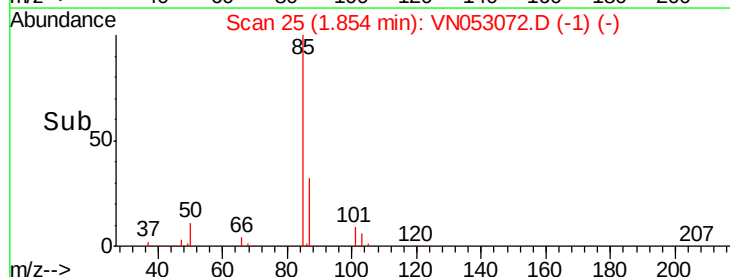
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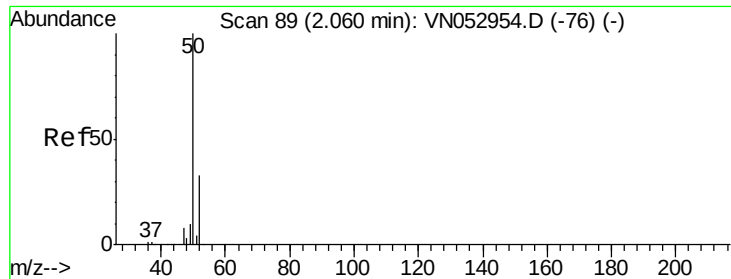
50000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 18.567 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN053072.D

Acq: 20 Dec 2018 23:02

Instrument :

MSVOA_N

ClientSampleId :

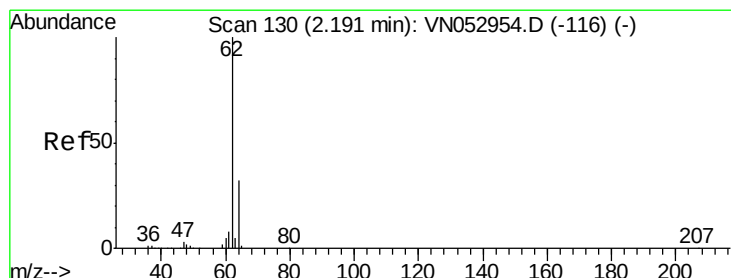
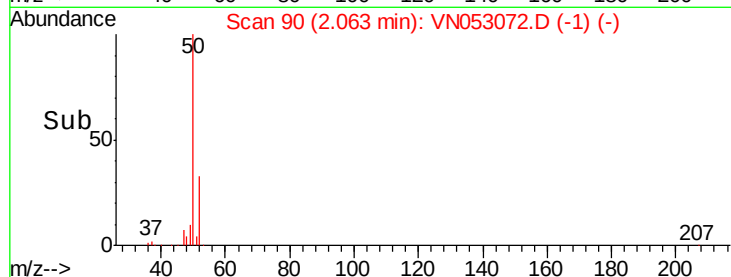
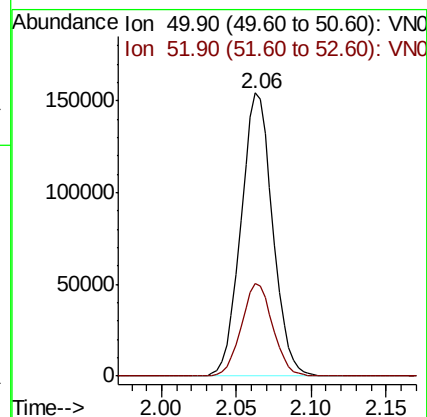
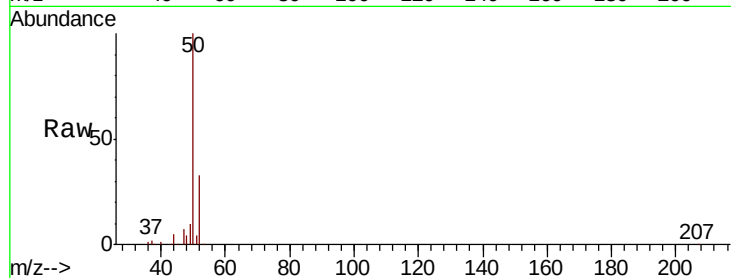
VN1220WBS02

Tot Ion: 50 Resp: 227985

Ion Ratio Lower Upper

50 100

52 32.5 26.2 39.4



#4

Vinyl Chloride

Concen: 19.675 ug/l

RT: 2.19 min Scan# 131

Delta R.T. 0.00 min

Lab File: VN053072.D

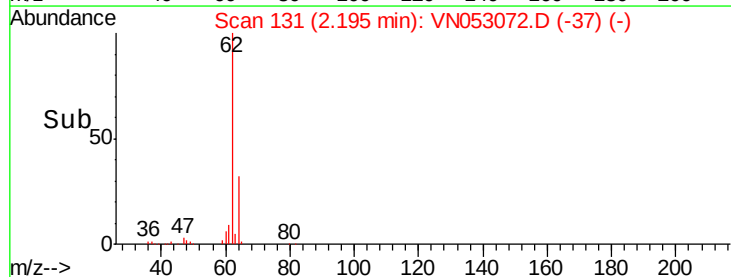
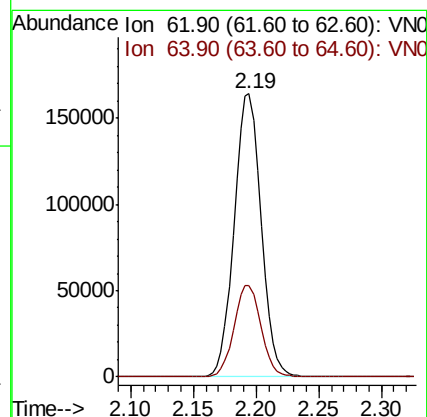
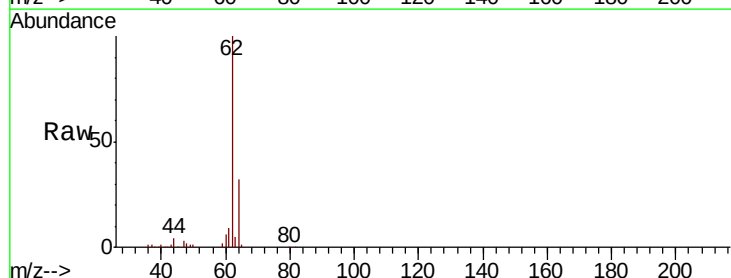
Acq: 20 Dec 2018 23:02

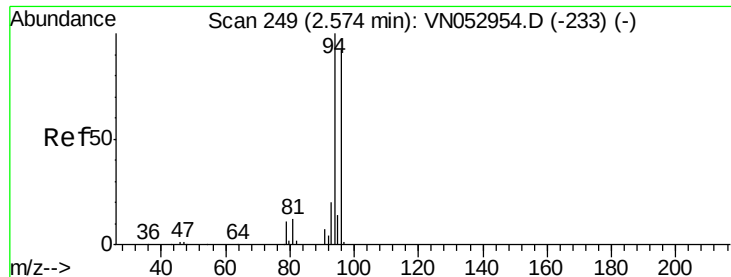
Tgt Ion: 62 Resp: 244667

Ion Ratio Lower Upper

62 100

64 32.4 25.5 38.3





#5

Bromomethane

Concen: 19.270 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN053072.D

Acq: 20 Dec 2018 23:02

Instrument :

MSVOA_N

ClientSampleId :

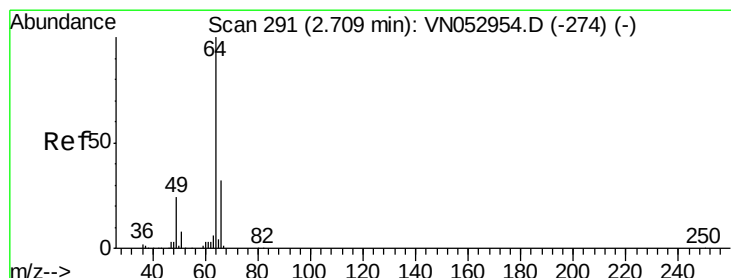
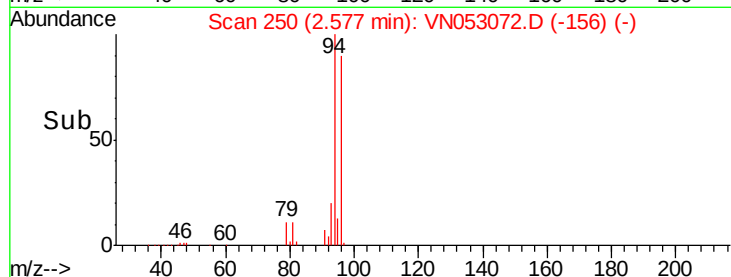
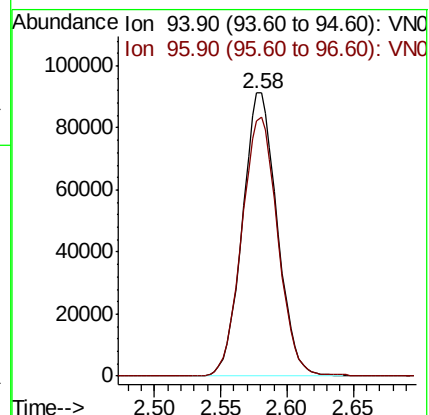
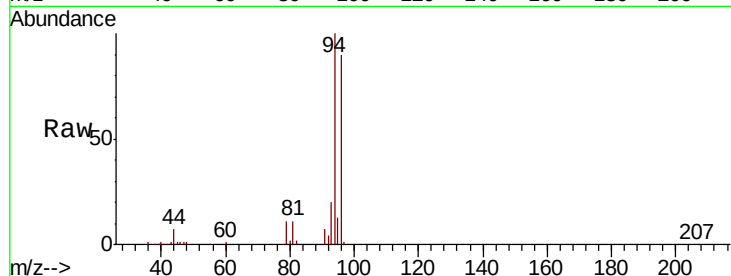
VN1220WBS02

Tot Ion: 94 Resp: 166027

Ion Ratio Lower Upper

94 100

96 90.2 75.0 112.4



#6

Chloroethane

Concen: 20.232 ug/l

RT: 2.72 min Scan# 293

Delta R.T. 0.01 min

Lab File: VN053072.D

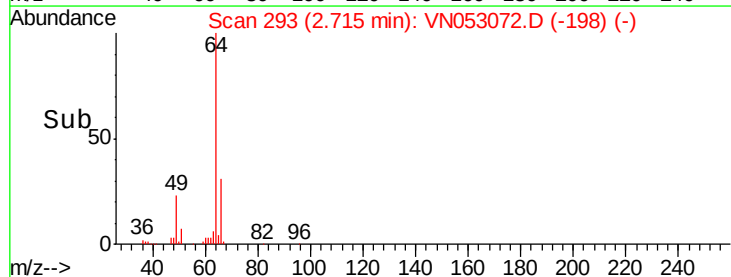
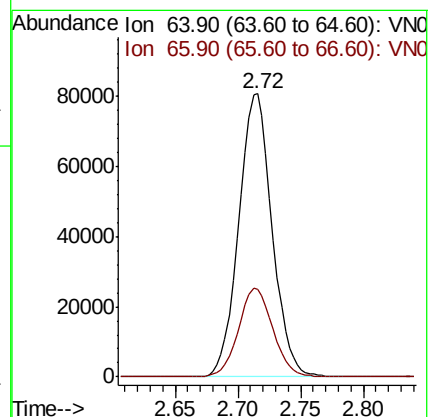
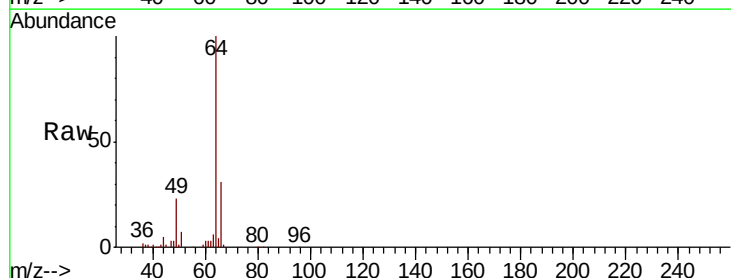
Acq: 20 Dec 2018 23:02

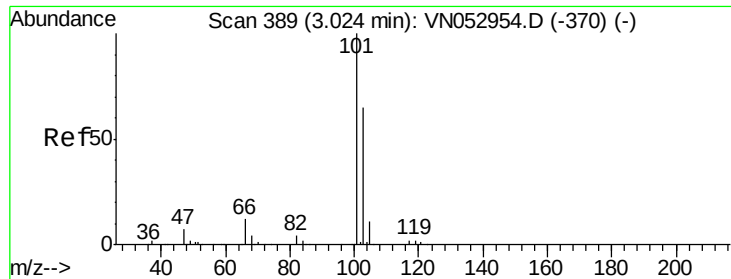
Tgt Ion: 64 Resp: 149006

Ion Ratio Lower Upper

64 100

66 30.8 26.2 39.2



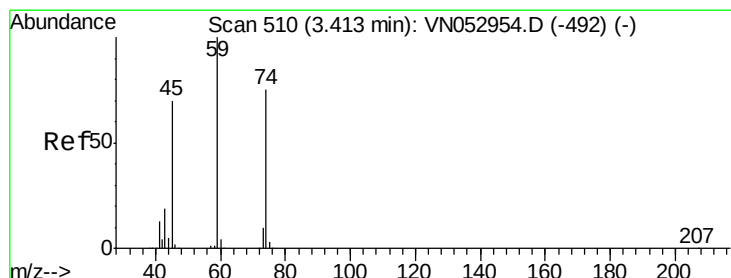
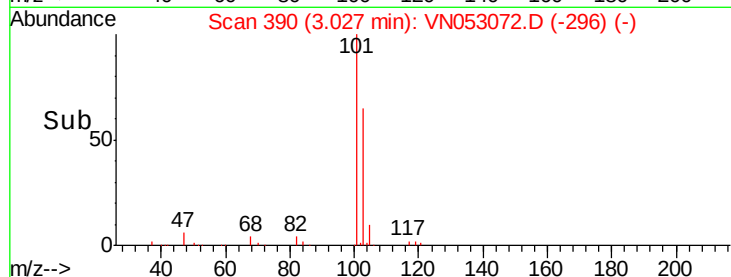
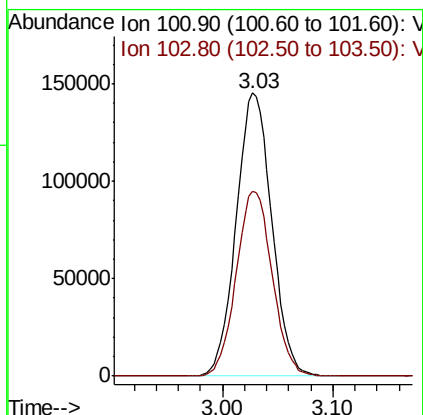
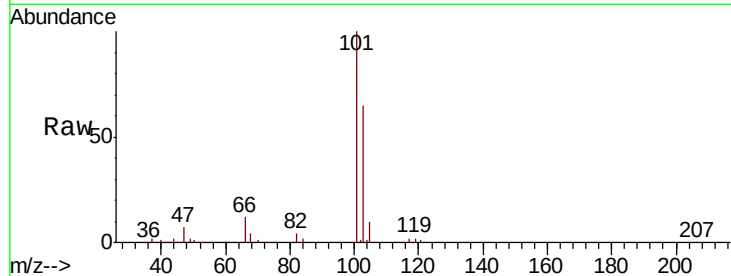


#7

Trichlorofluoromethane
 Concen: 20.966 ug/l
 RT: 3.03 min Scan# 390
 Delta R.T. 0.00 min
 Lab File: VN053072.D
 Acq: 20 Dec 2018 23:02

Instrument :
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 ClientSampleId :
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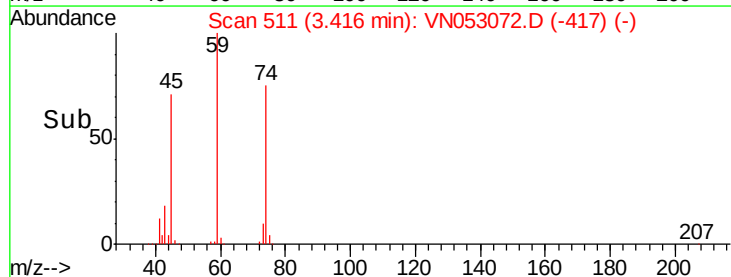
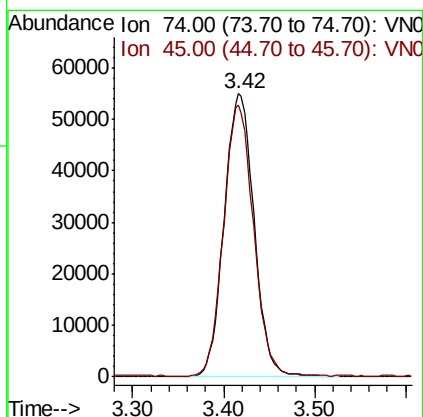
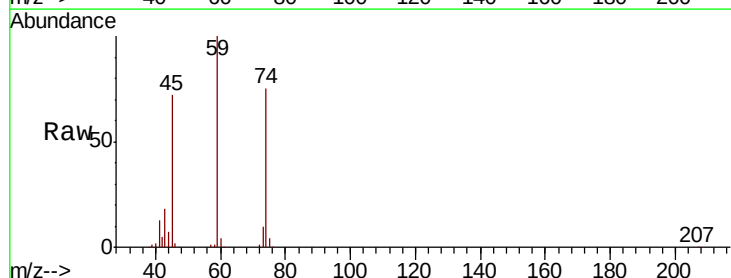
Tot Ion:101 Resp: 324801
 Ion Ratio Lower Upper
 101 100
 103 65.3 51.8 77.6

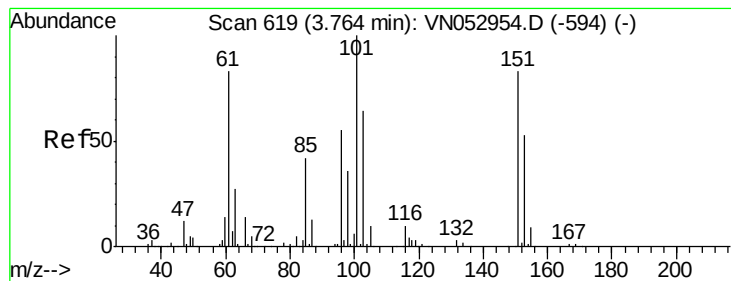


#8

Diethyl Ether
 Concen: 21.516 ug/l
 RT: 3.42 min Scan# 511
 Delta R.T. 0.00 min
 Lab File: VN053072.D
 Acq: 20 Dec 2018 23:02

Tgt Ion: 74 Resp: 125743
 Ion Ratio Lower Upper
 74 100
 45 96.4 49.4 148.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.226 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.00 min

Lab File: VN053072.D

Acq: 20 Dec 2018 23:02

Instrument :

MSVOA_N

ClientSampleId :

VN1220WBS02

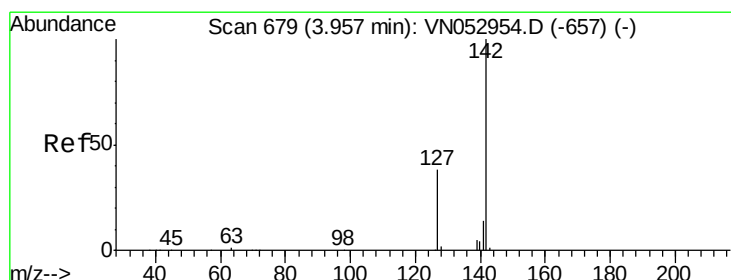
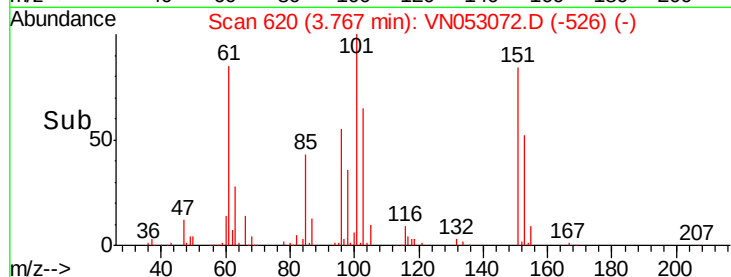
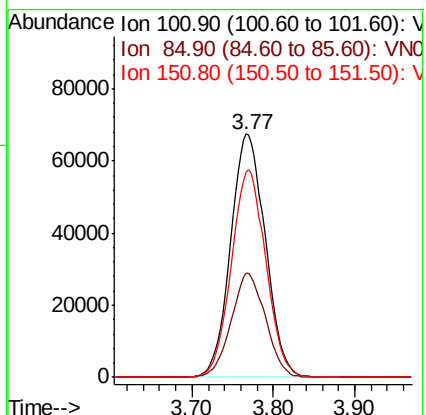
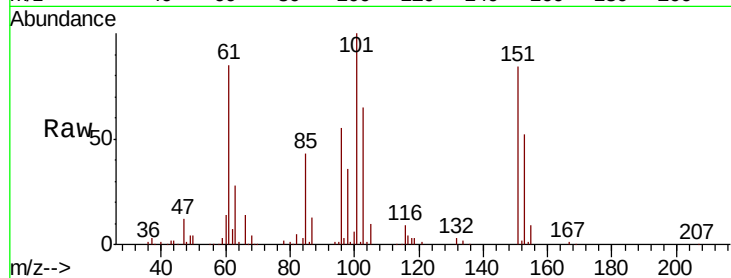
Tot Ion:101 Resp: 199774

Ion Ratio Lower Upper

101 100

85 42.3 33.6 50.4

151 84.8 65.5 98.3



#10

Methyl Iodide

Concen: 19.893 ug/l

RT: 3.96 min Scan# 681

Delta R.T. 0.01 min

Lab File: VN053072.D

Acq: 20 Dec 2018 23:02

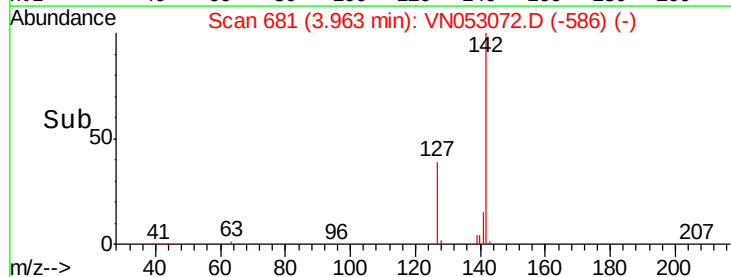
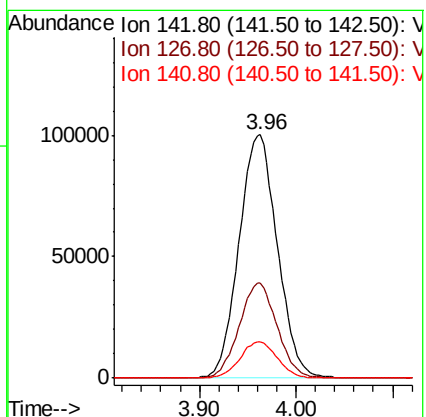
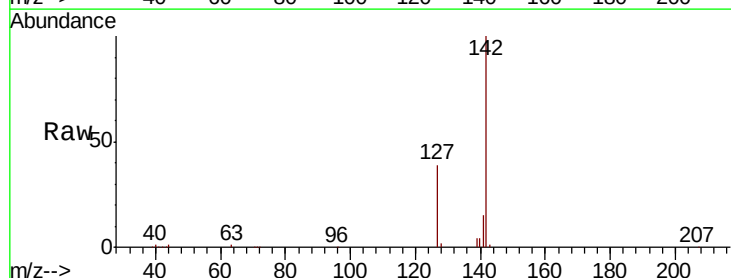
Tgt Ion:142 Resp: 275927

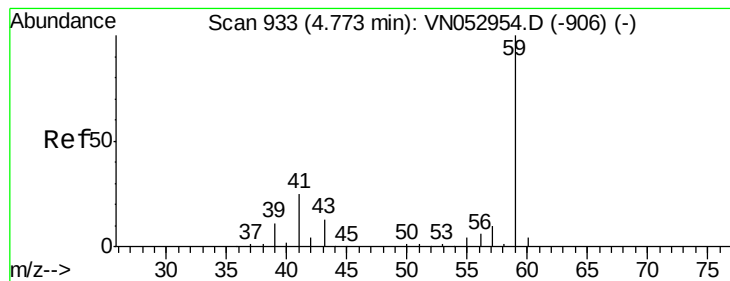
Ion Ratio Lower Upper

142 100

127 38.7 31.0 46.6

141 14.5 11.2 16.8



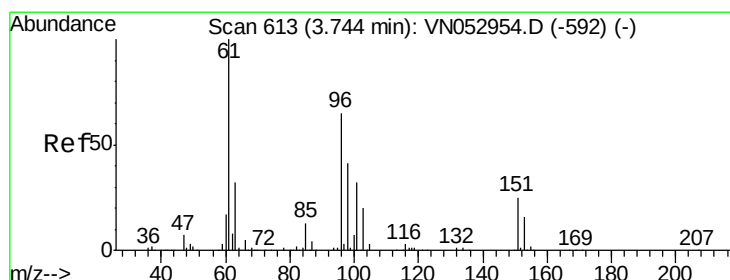
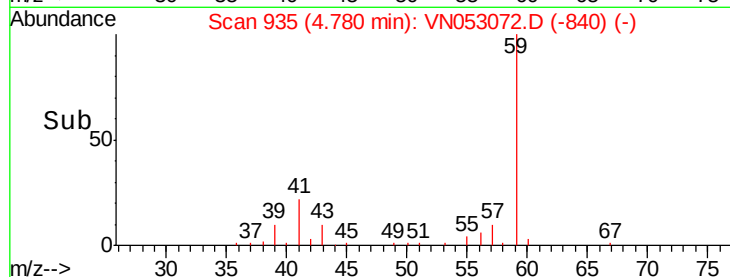
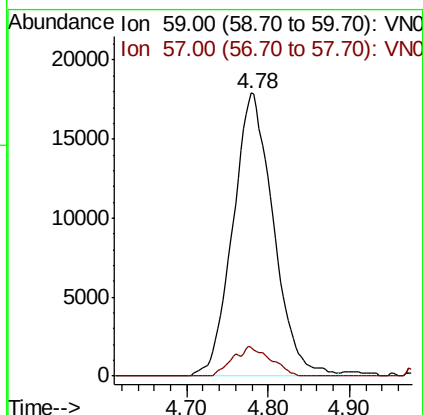
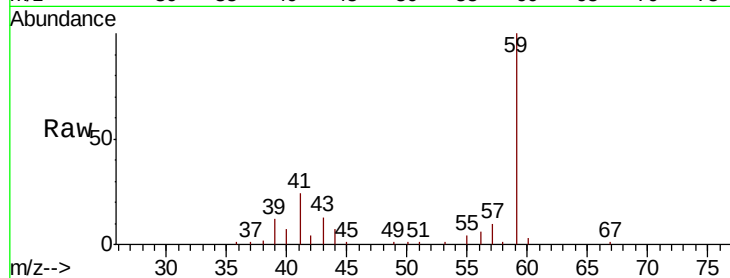


#11

Tert butyl alcohol
 Concen: 99.649 ug/l
 RT: 4.78 min Scan# 935
 Delta R.T. 0.01 min
 Lab File: VN053072.D
 Acq: 20 Dec 2018 23:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1220WBS02

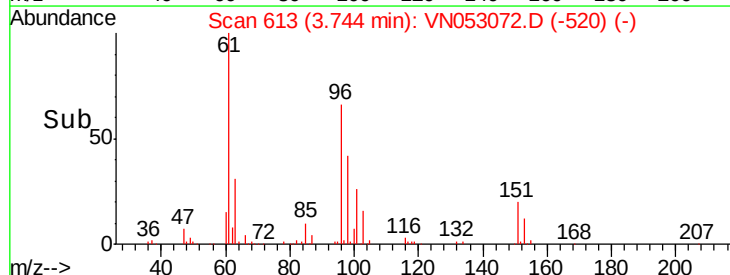
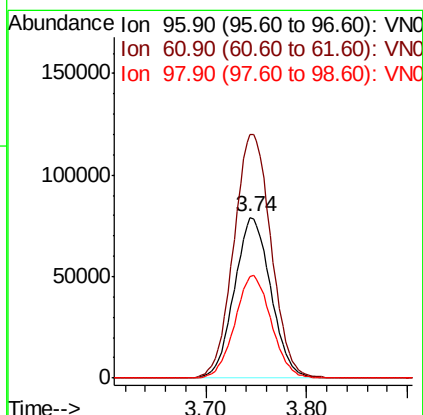
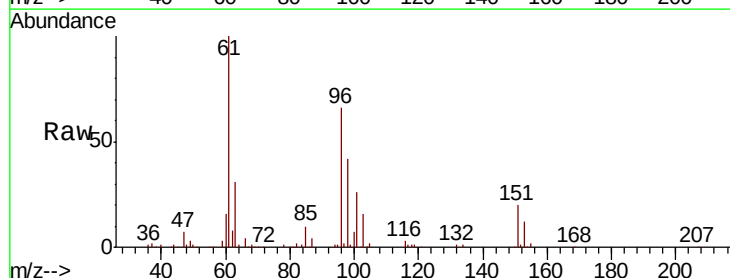
Tot Ion: 59 Resp: 61775
 Ion Ratio Lower Upper
 59 100
 57 9.7 7.7 11.5

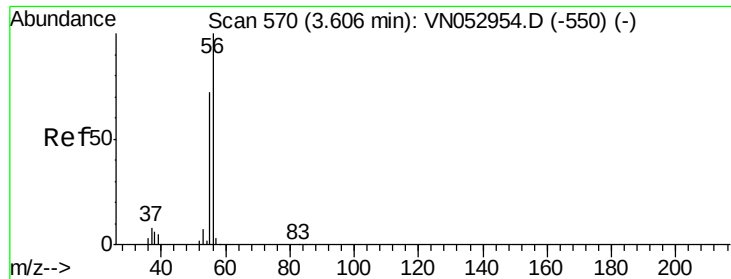


#12

1,1-Dichloroethene
 Concen: 20.821 ug/l
 RT: 3.74 min Scan# 613
 Delta R.T. -0.00 min
 Lab File: VN053072.D
 Acq: 20 Dec 2018 23:02

Tgt Ion: 96 Resp: 198686
 Ion Ratio Lower Upper
 96 100
 61 151.5 125.6 188.4
 98 63.3 50.6 75.8





#13

Acrolein

Concen: 115.050 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.01 min

Lab File: VN053072.D

Acq: 20 Dec 2018 23:02

Instrument :

MSVOA_N

ClientSampleId :

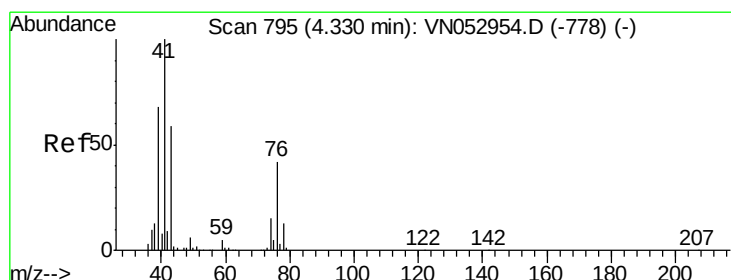
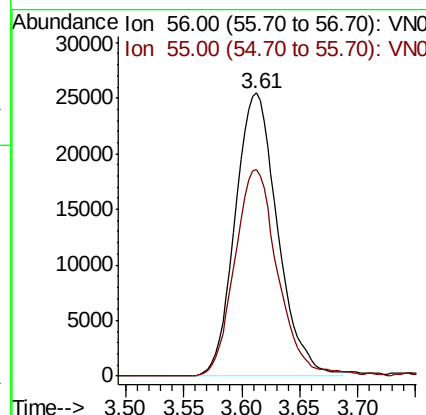
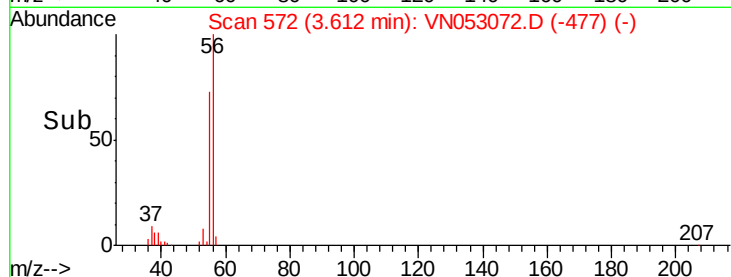
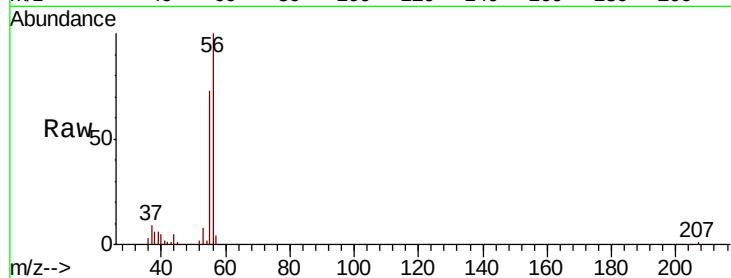
VN1220WBS02

Tot Ion: 56 Resp: 64671

Ion Ratio Lower Upper

56 100

55 74.0 56.6 85.0



#14

Allyl chloride

Concen: 20.621 ug/l

RT: 4.33 min Scan# 796

Delta R.T. 0.00 min

Lab File: VN053072.D

Acq: 20 Dec 2018 23:02

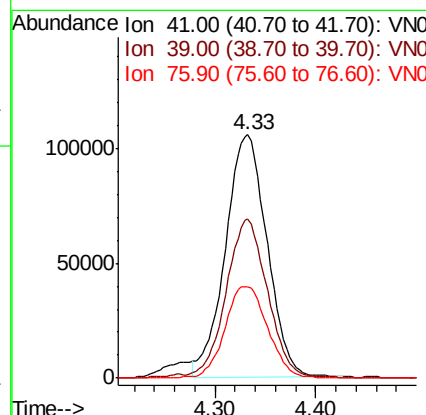
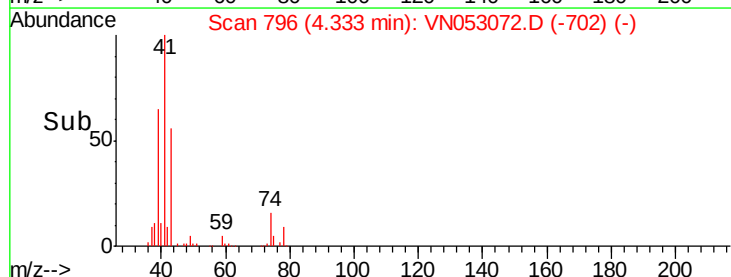
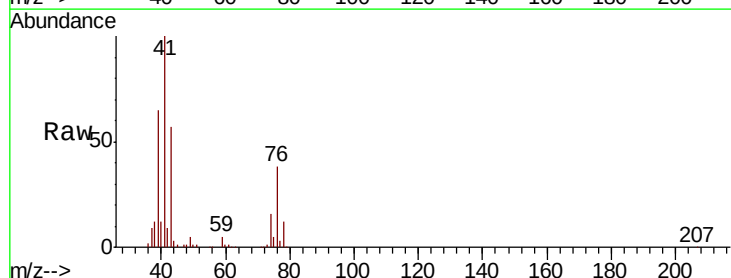
Tgt Ion: 41 Resp: 304808

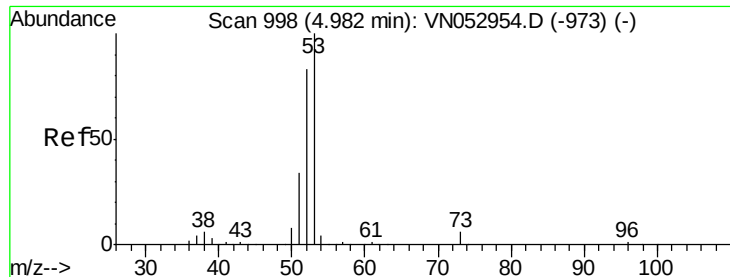
Ion Ratio Lower Upper

41 100

39 66.0 54.1 81.1

76 38.0 30.3 45.5





#15

Acrylonitrile

Concen: 102.377 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.01 min

Lab File: VN053072.D

Acq: 20 Dec 2018 23:02

Instrument :

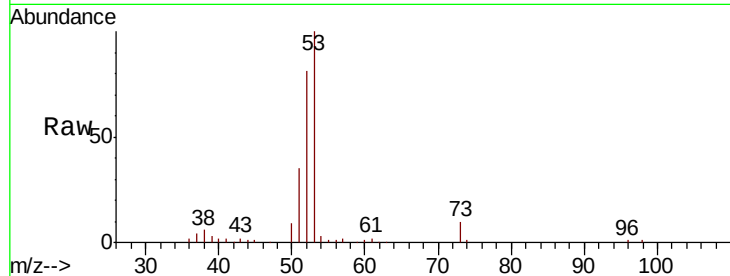
MSVOA_N

ClientSampled :

VN1220WBS02

Tot Ion: 53 Resp: 352587

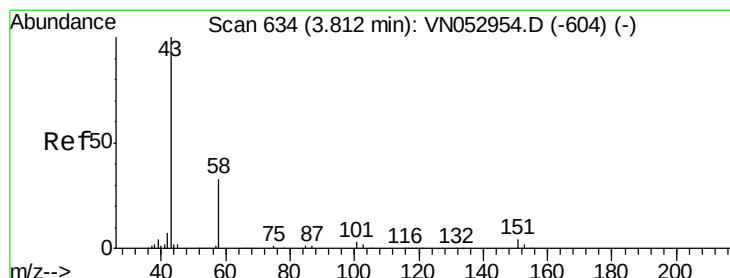
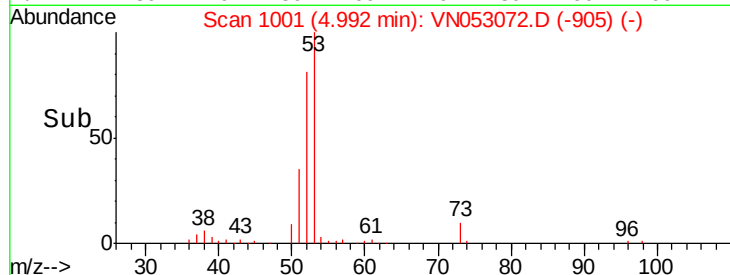
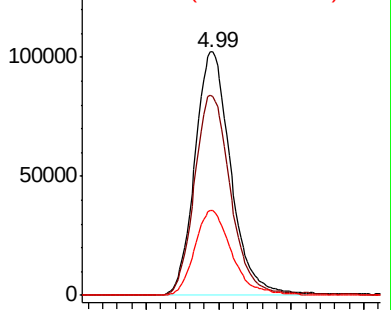
Ion	Ratio	Lower	Upper
53	100		
52	82.6	65.1	97.7
51	36.1	28.1	42.1



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 109.459 ug/l

RT: 3.82 min Scan# 636

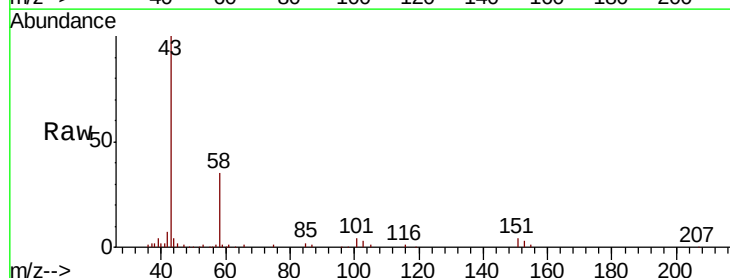
Delta R.T. 0.01 min

Lab File: VN053072.D

Acq: 20 Dec 2018 23:02

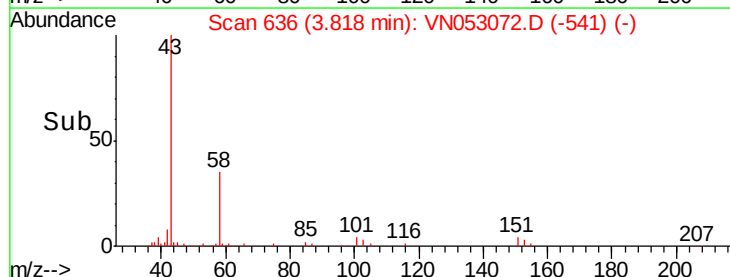
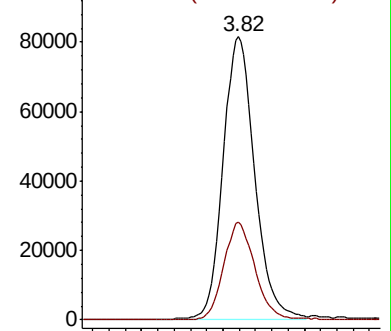
Tgt Ion: 43 Resp: 218051

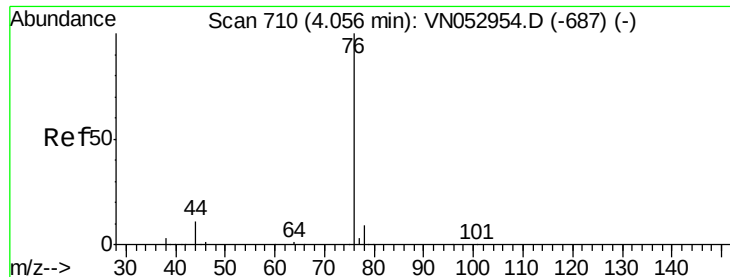
Ion	Ratio	Lower	Upper
43	100		
58	34.8	25.4	38.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 17.828 ug/l

RT: 4.06 min Scan# 712

Delta R.T. 0.01 min

Lab File: VN053072.D

Acq: 20 Dec 2018 23:02

Instrument :

MSVOA_N

ClientSampleId :

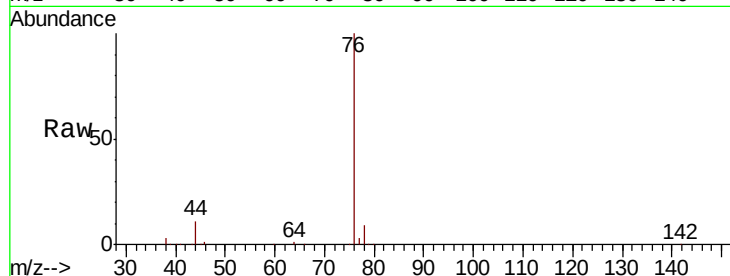
VN1220WBS02

Tot Ion: 76 Resp: 554829

Ion Ratio Lower Upper

76 100

78 9.2 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VN052954.D (-687) (-)

Ion 77.90 (77.60 to 78.60): VN052954.D (-687) (-)

4.06

200000

150000

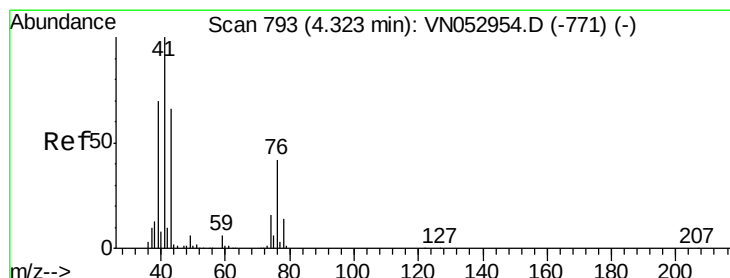
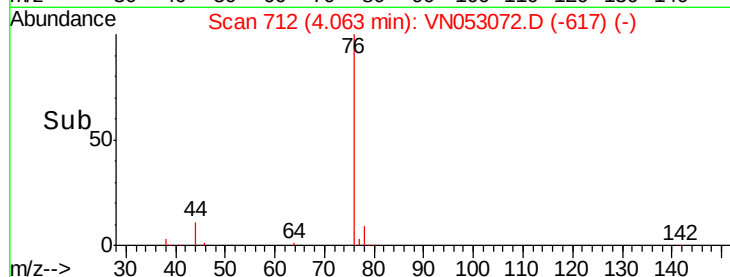
100000

50000

0

Time-->

3.90 4.00 4.10 4.20



#18

Methyl Acetate

Concen: 20.630 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN053072.D

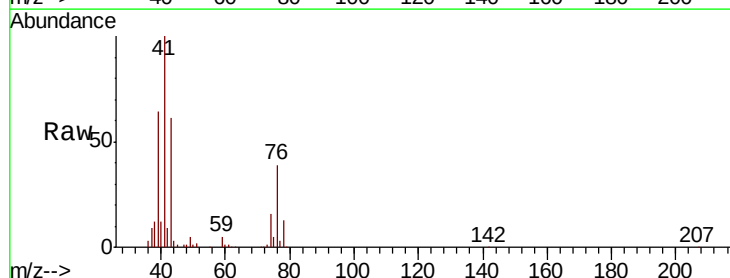
Acq: 20 Dec 2018 23:02

Tgt Ion: 43 Resp: 181153

Ion Ratio Lower Upper

43 100

74 25.5 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VN052954.D (-771) (-)

Ion 74.00 (73.70 to 74.70): VN052954.D (-771) (-)

4.33

60000

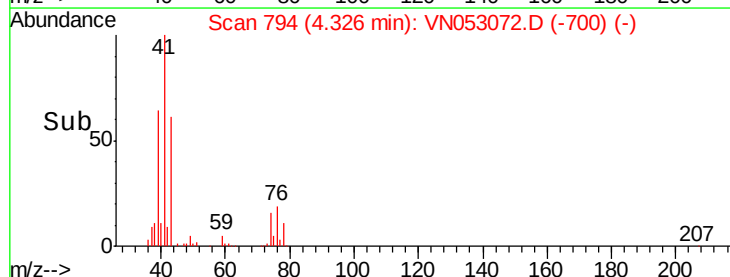
40000

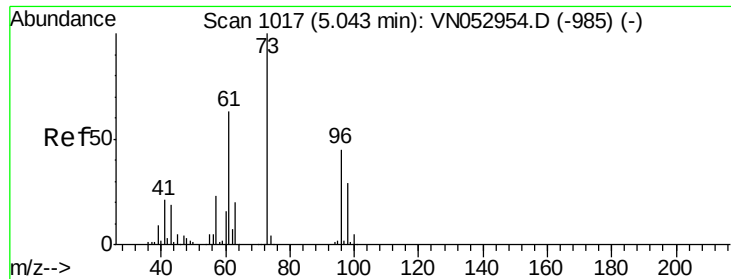
20000

0

Time-->

4.20 4.30 4.40

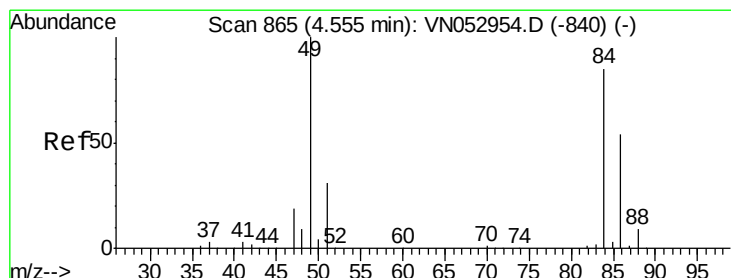
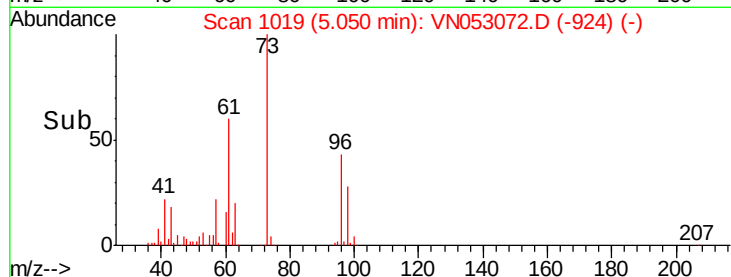
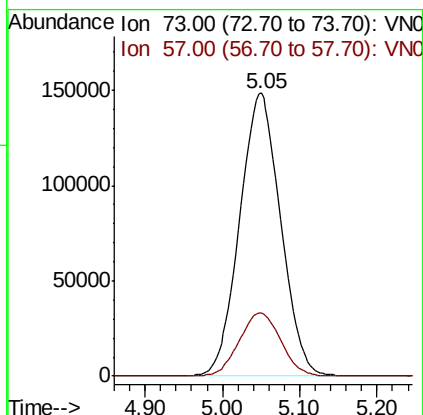
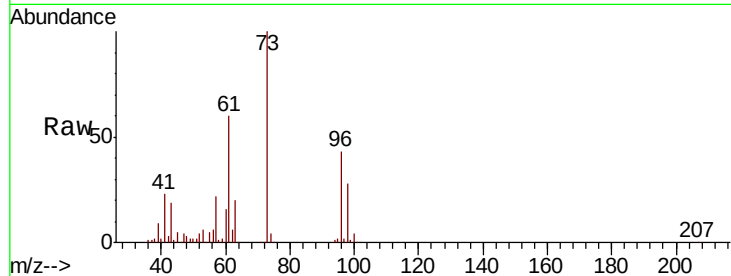




#19
Methyl tert-butyl Ether
Concen: 21.440 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.01 min
Lab File: VN053072.D
Acq: 20 Dec 2018 23:02

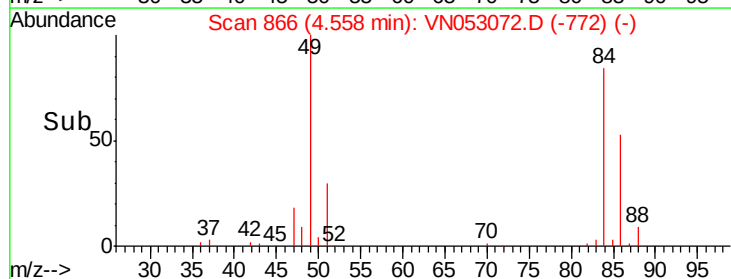
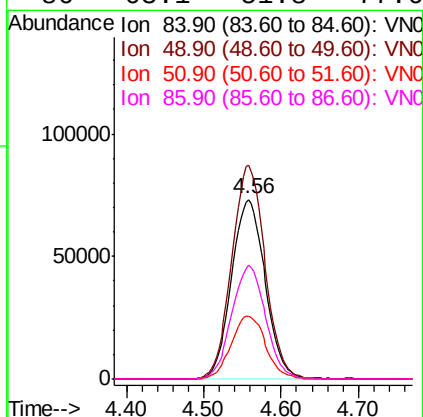
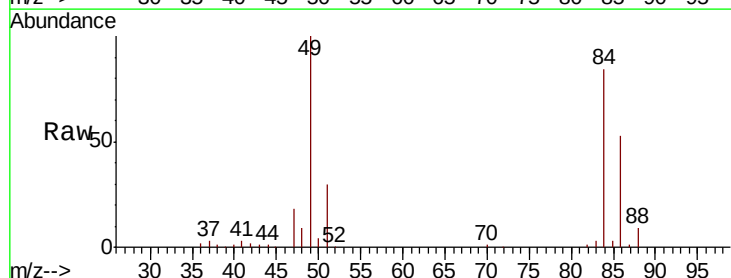
Instrument :
MSVOA_N
ClientSampleId :
VN1220WBS02

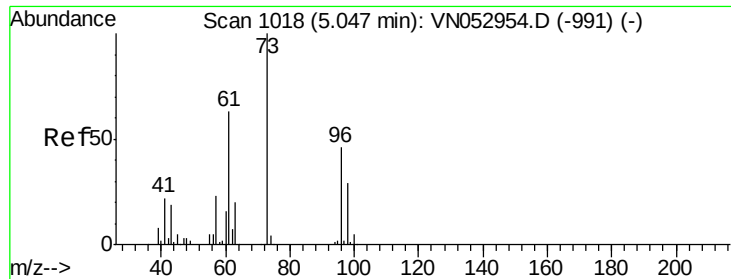
Tot Ion: 73 Resp: 547515
Ion Ratio Lower Upper
73 100
57 22.2 18.4 27.6



#20
Methylene Chloride
Concen: 20.382 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.00 min
Lab File: VN053072.D
Acq: 20 Dec 2018 23:02

Tgt Ion: 84 Resp: 221477
Ion Ratio Lower Upper
84 100
49 119.0 96.8 145.2
51 35.2 29.9 44.9
86 63.1 51.8 77.6

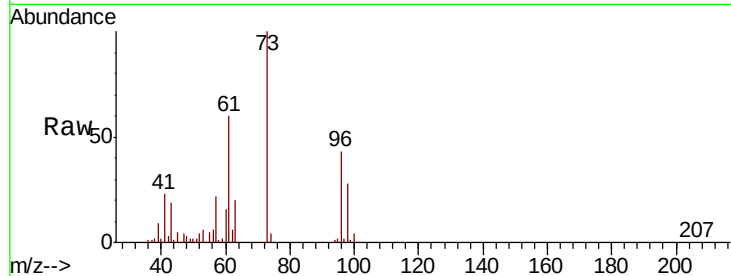




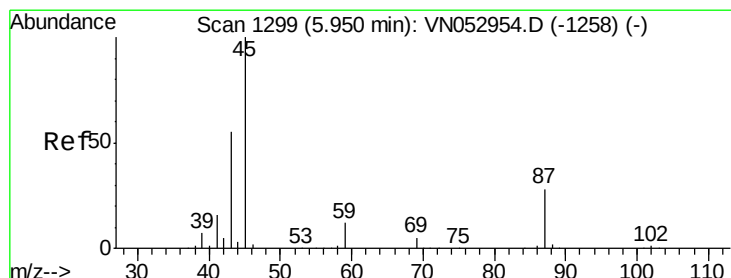
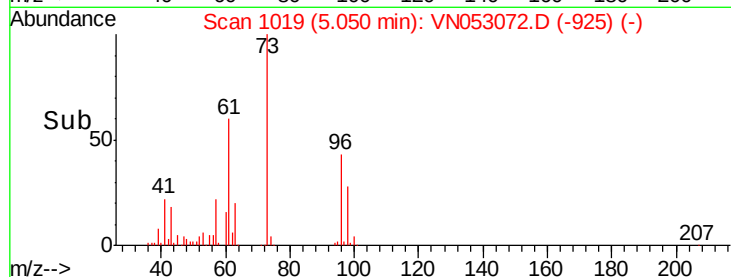
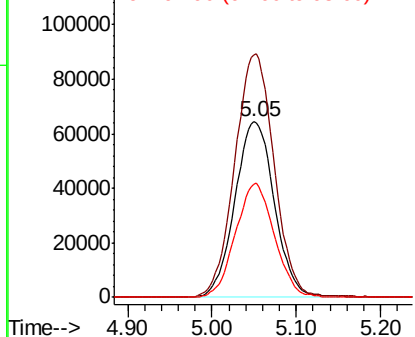
#21
trans-1,2-Dichloroethene
Concen: 20.459 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN053072.D
Acq: 20 Dec 2018 23:02

Instrument :
MSVOA_N
ClientSampled :
VN1220WBS02

Tot Ion: 96 Resp: 209758
Ion Ratio Lower Upper
96 100
61 138.4 110.8 166.2
98 64.3 51.4 77.2

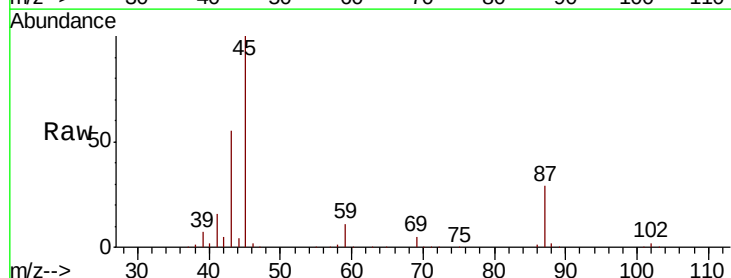


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

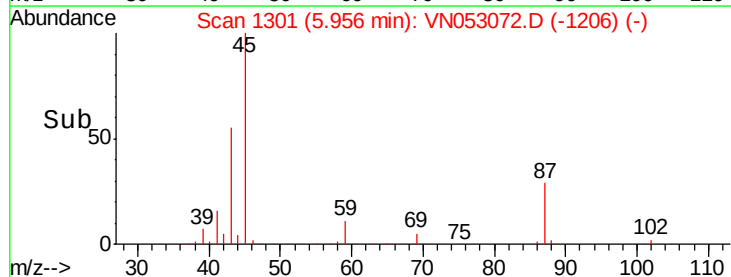
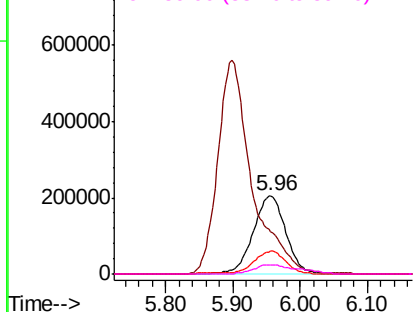


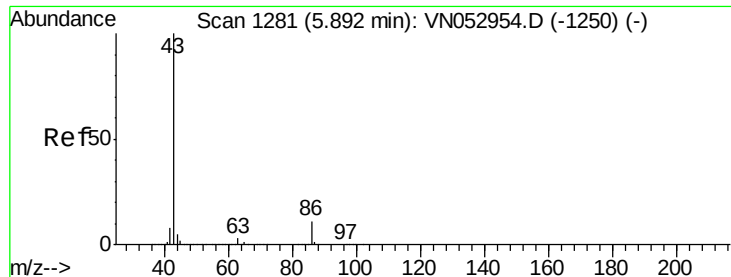
#22
Diisopropyl ether
Concen: 21.776 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.01 min
Lab File: VN053072.D
Acq: 20 Dec 2018 23:02

Tgt Ion: 45 Resp: 687051
Ion Ratio Lower Upper
45 100
43 54.0 45.5 68.3
87 29.0 22.0 33.0
59 11.3 9.4 14.0



Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 108.845 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.01 min

Lab File: VN053072.D

Acq: 20 Dec 2018 23:02

Instrument :

MSVOA_N

ClientSampleId :

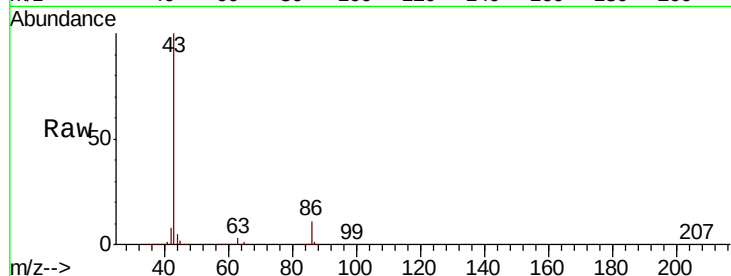
VN1220WBS02

Tot Ion: 43 Resp: 1974721

Ion Ratio Lower Upper

43 100

86 10.7 8.1 12.1



Abundance Ion 43.00 (42.70 to 43.70): VN053072.D (-1188) (-)

Ion 86.00 (85.70 to 86.70): VN053072.D (-1188) (-)

5.90

600000

500000

400000

300000

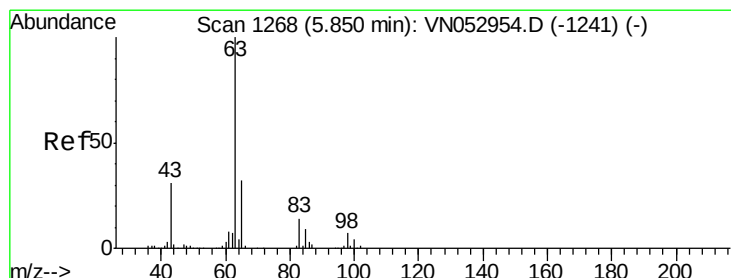
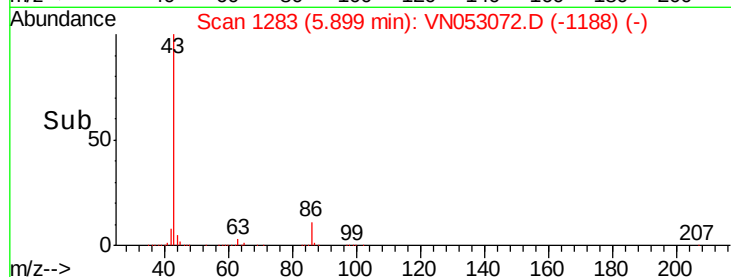
200000

100000

0

5.70 5.80 5.90 6.00 6.10

Time-->



#24

1,1-Dichloroethane

Concen: 21.342 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VN053072.D

Acq: 20 Dec 2018 23:02

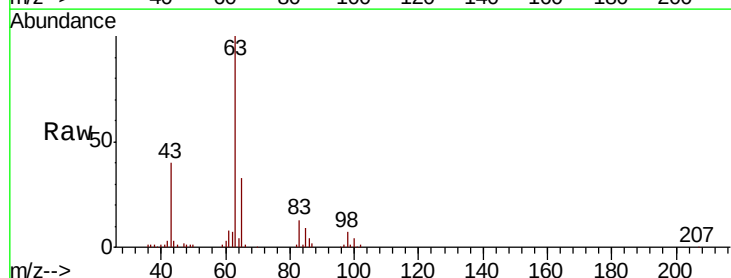
Tgt Ion: 63 Resp: 400117

Ion Ratio Lower Upper

63 100

98 7.3 3.1 9.4

100 4.4 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VN053072.D (-1175) (-)

Ion 97.90 (97.60 to 98.60): VN053072.D (-1175) (-)

Ion 99.90 (99.60 to 100.60): VN053072.D (-1175) (-)

150000

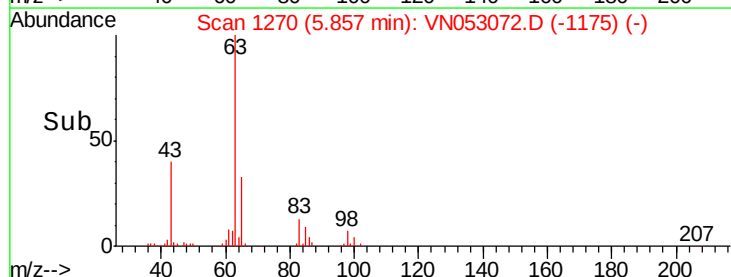
100000

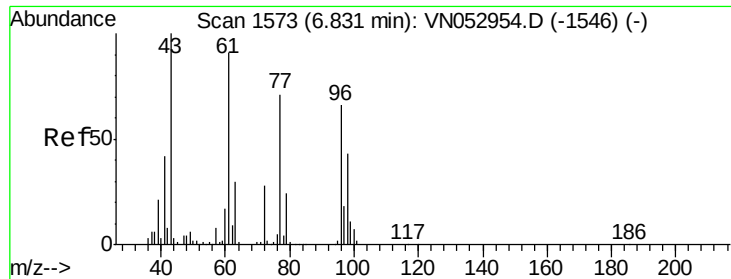
50000

0

5.70 5.80 5.90 6.00

Time-->

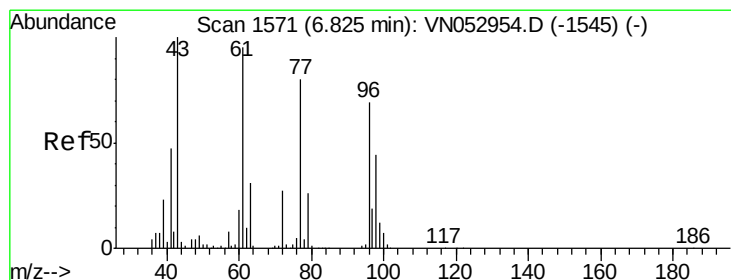
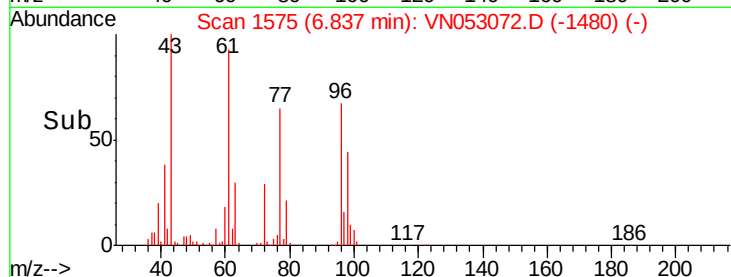
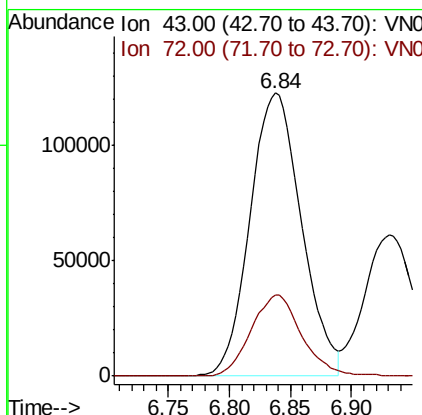
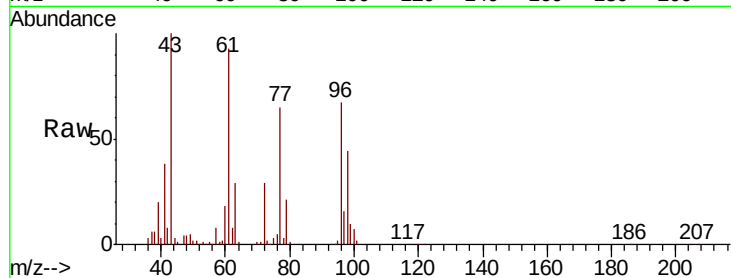




#25
2-Butanone
Concen: 107.075 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. 0.01 min
Lab File: VN053072.D
Acq: 20 Dec 2018 23:02

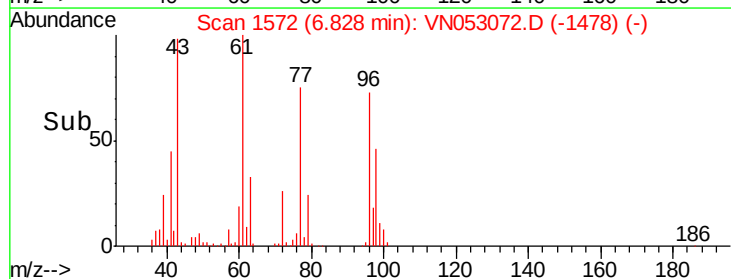
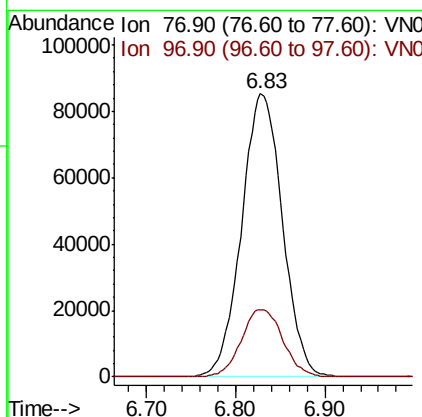
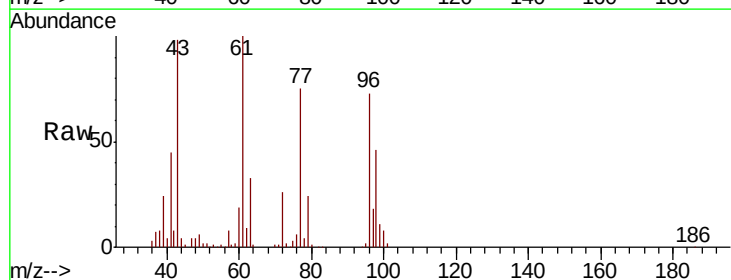
Instrument :
MSVOA_N
ClientSampleId :
VN1220WBS02

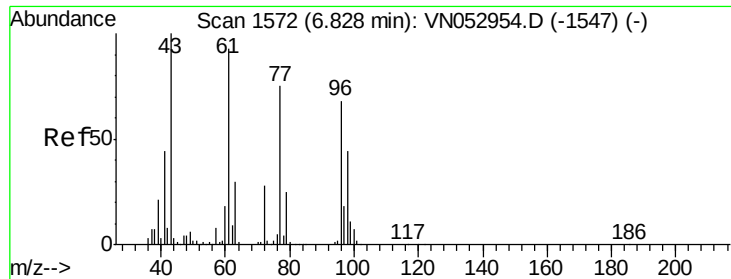
Tot Ion: 43 Resp: 357971
Ion Ratio Lower Upper
43 100
72 28.8 21.0 31.6



#26
2,2-Dichloropropane
Concen: 18.952 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN053072.D
Acq: 20 Dec 2018 23:02

Tgt Ion: 77 Resp: 271231
Ion Ratio Lower Upper
77 100
97 24.2 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 21.070 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN053072.D

Acq: 20 Dec 2018 23:02

Instrument :

MSVOA_N

ClientSampleId :

VN1220WBS02

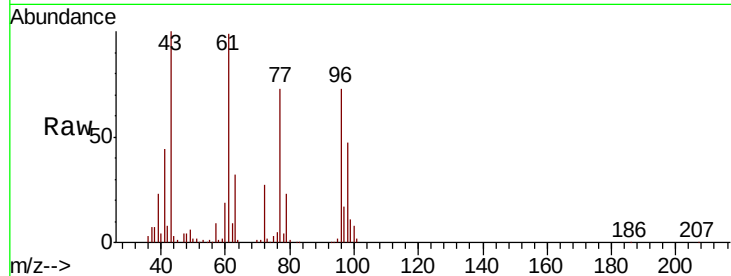
Tot Ion: 96 Resp: 244566

Ion Ratio Lower Upper

96 100

61 140.4 0.0 284.2

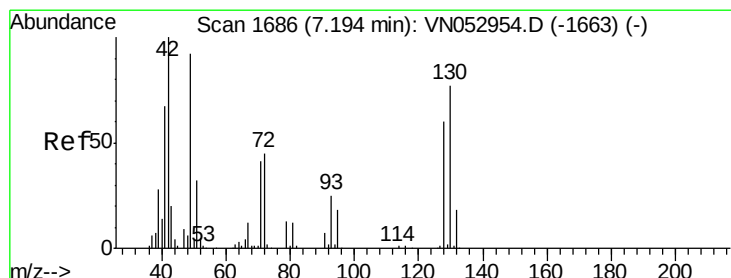
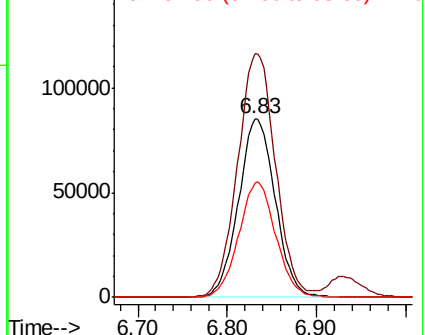
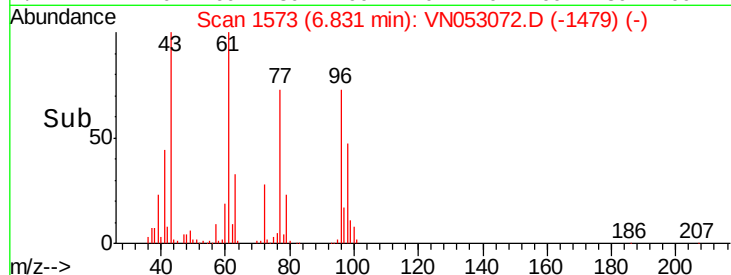
98 65.2 0.0 129.2



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 20.584 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN053072.D

Acq: 20 Dec 2018 23:02

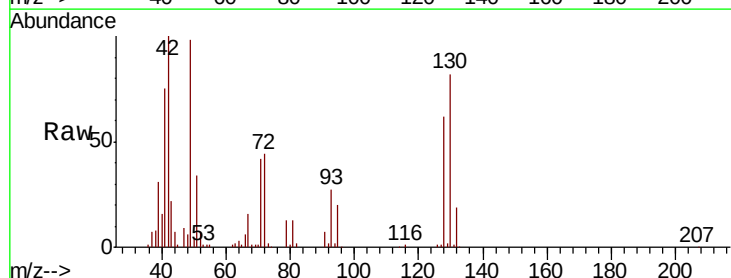
Tgt Ion: 49 Resp: 167221

Ion Ratio Lower Upper

49 100

129 2.0 0.0 4.0

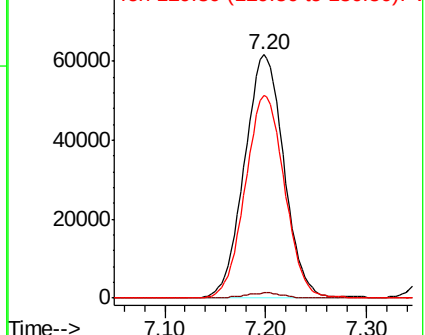
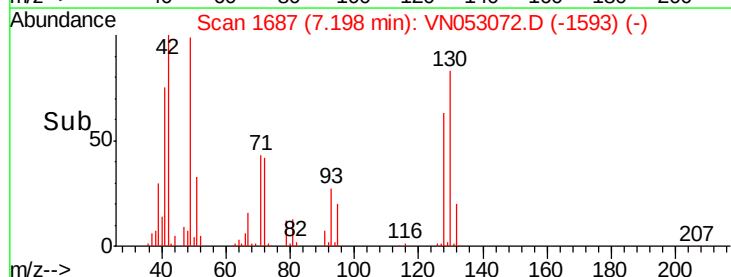
130 83.0 63.3 94.9

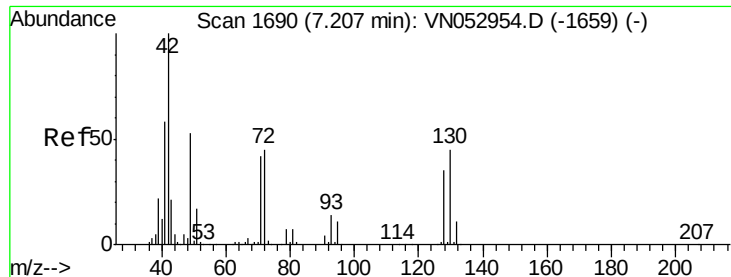


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

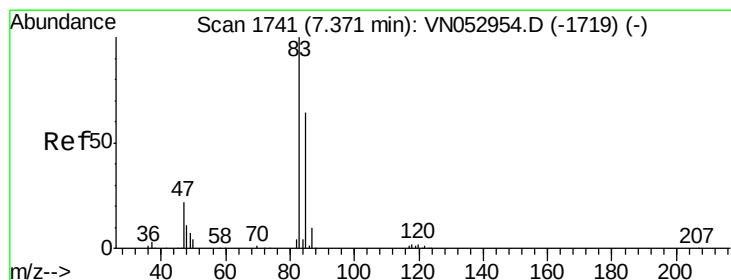
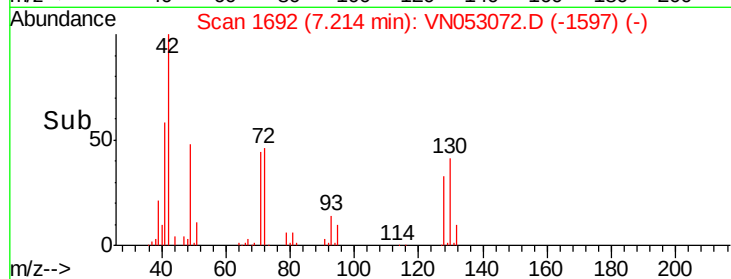
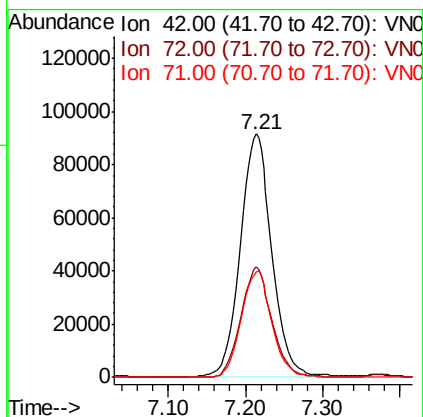
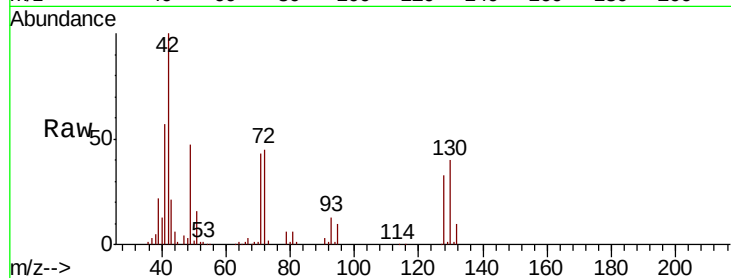




#29
Tetrahydrofuran
Concen: 103.199 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.01 min
Lab File: VN053072.D
Acq: 20 Dec 2018 23:02

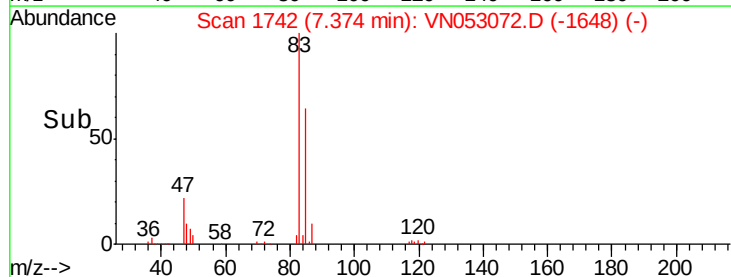
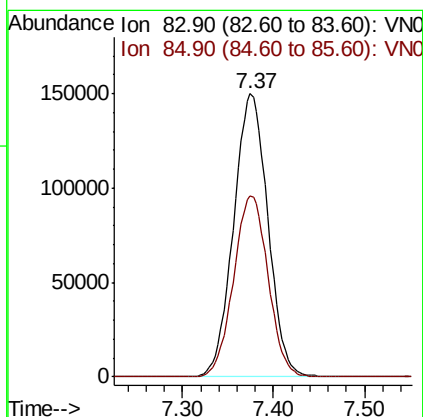
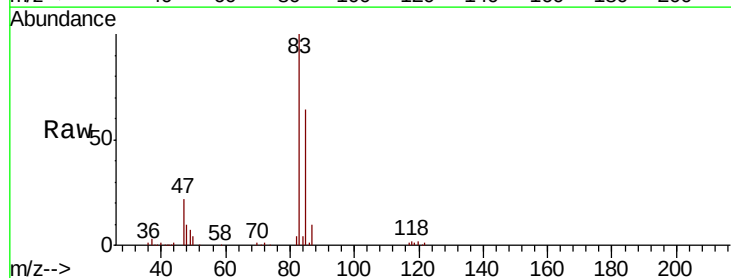
Instrument :
MSVOA_N
ClientSampleId :
VN1220WBS02

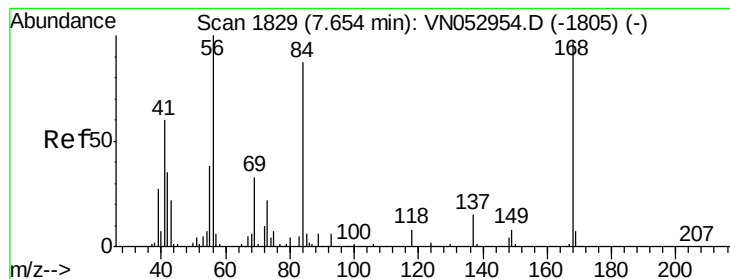
Tot Ion: 42 Resp: 257680
Ion Ratio Lower Upper
42 100
72 44.4 34.7 52.1
71 42.7 32.3 48.5



#30
Chloroform
Concen: 21.323 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN053072.D
Acq: 20 Dec 2018 23:02

Tgt Ion: 83 Resp: 392716
Ion Ratio Lower Upper
83 100
85 64.1 52.1 78.1





#31

Cyclohexane

Concen: 20.340 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN053072.D

Acq: 20 Dec 2018 23:02

Instrument :

MSVOA_N

ClientSampleId :

VN1220WBS02

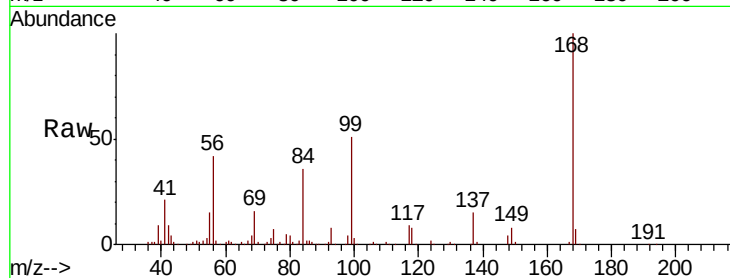
Tot Ion: 56 Resp: 368615

Ion Ratio Lower Upper

56 100

69 37.7 26.6 39.8

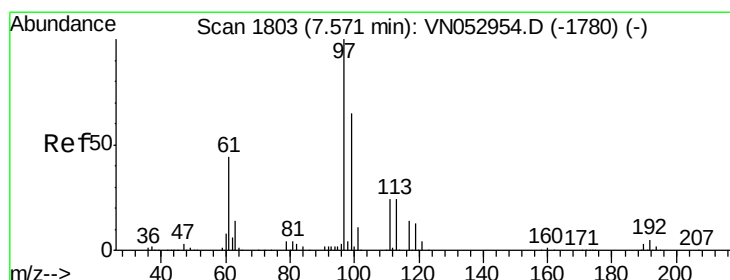
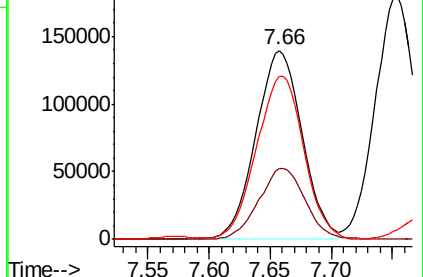
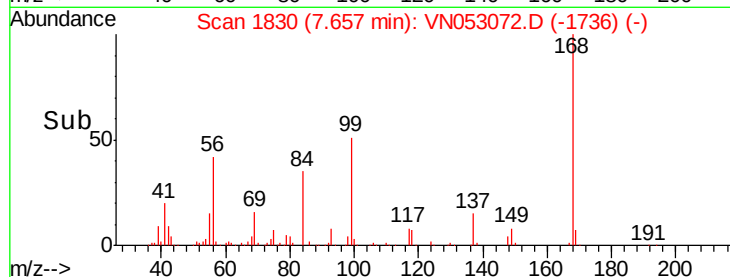
84 85.4 68.4 102.6



Abundance Ion 56.00 (55.70 to 56.70): VN053072.D (-1736) (-)

Ion 69.00 (68.70 to 69.70): VN053072.D (-1736) (-)

Ion 84.00 (83.70 to 84.70): VN053072.D (-1736) (-)



#32

1,1,1-Trichloroethane

Concen: 20.761 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN053072.D

Acq: 20 Dec 2018 23:02

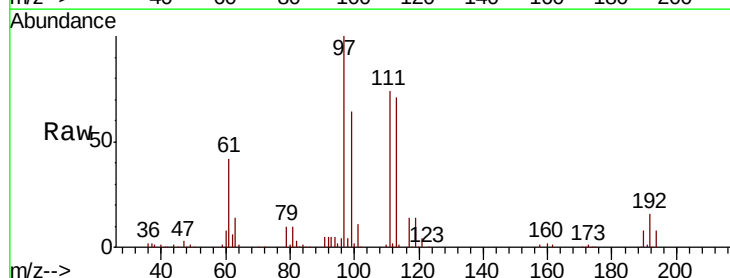
Tgt Ion: 97 Resp: 325717

Ion Ratio Lower Upper

97 100

99 64.2 51.1 76.7

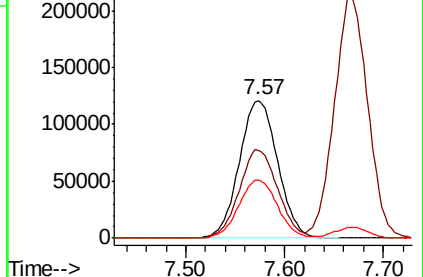
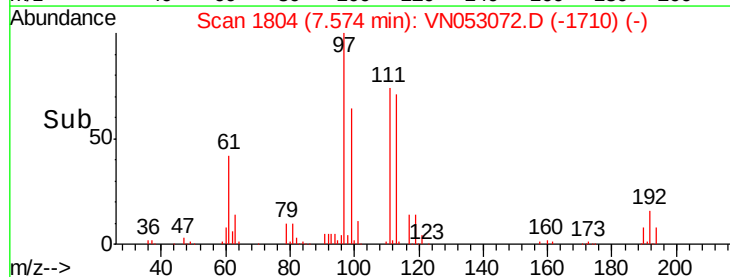
61 42.7 35.0 52.6

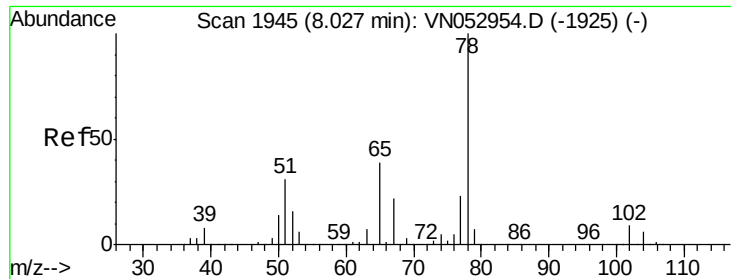


Abundance Ion 96.90 (96.60 to 97.60): VN053072.D (-1710) (-)

Ion 98.90 (98.60 to 99.60): VN053072.D (-1710) (-)

Ion 60.90 (60.60 to 61.60): VN053072.D (-1710) (-)

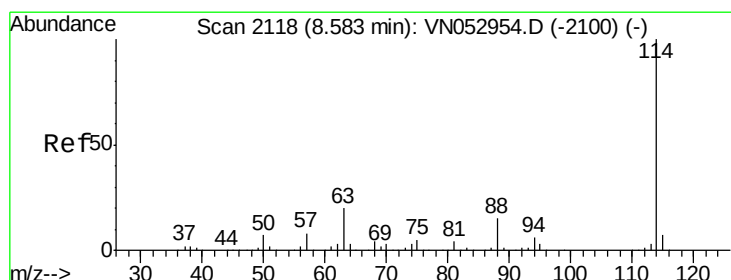
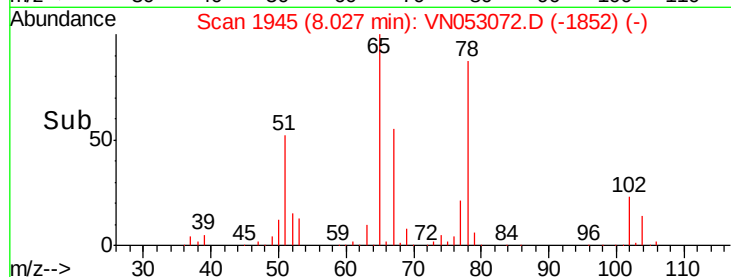
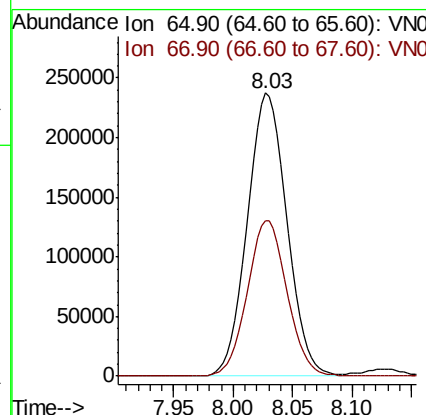
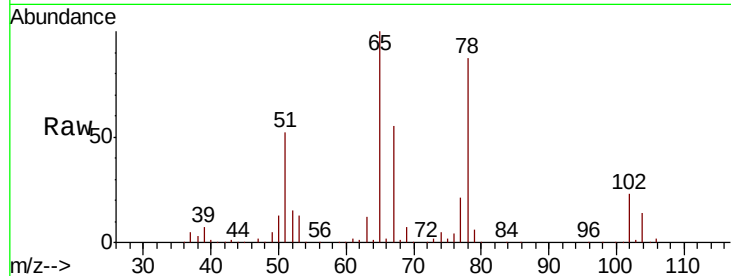




#33
 1,2-Dichloroethane-d4
 Concen: 20.761 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN053072.D
 Acq: 20 Dec 2018 23:02

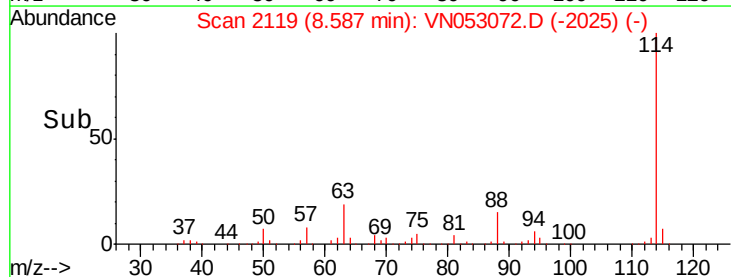
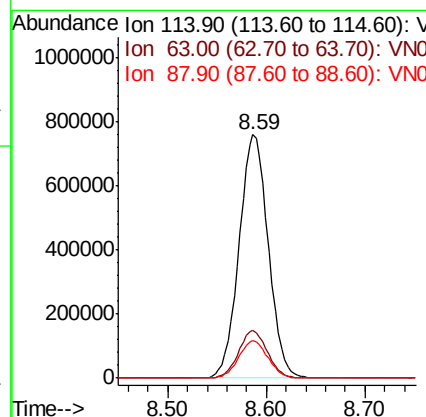
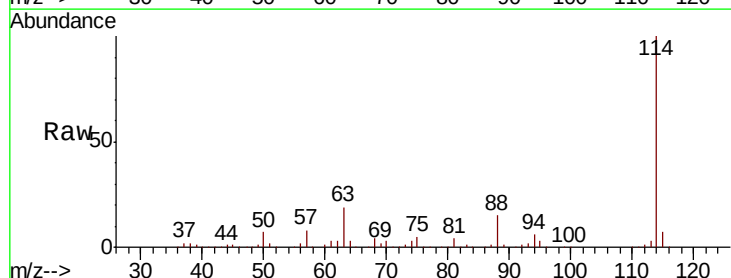
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1220WBS02

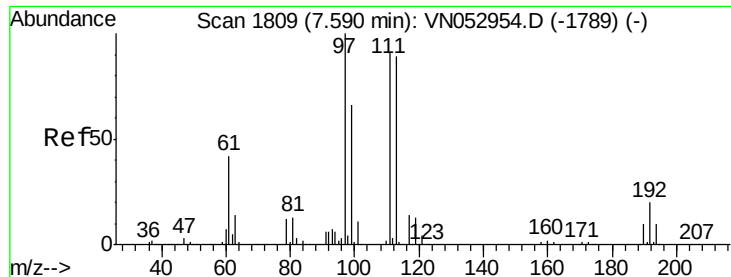
Tot Ion: 65 Resp: 547782
 Ion Ratio Lower Upper
 65 100
 67 55.2 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053072.D
 Acq: 20 Dec 2018 23:02

Tgt Ion: 114 Resp: 1557189
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 39.8
 88 15.4 0.0 31.0

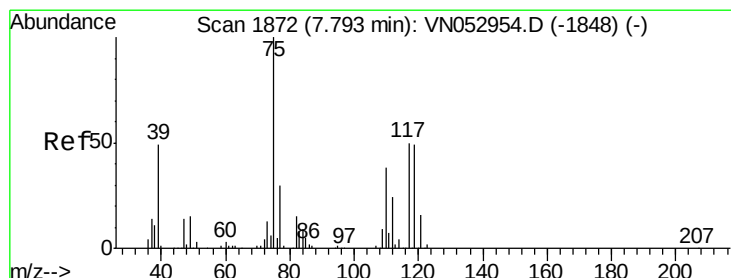
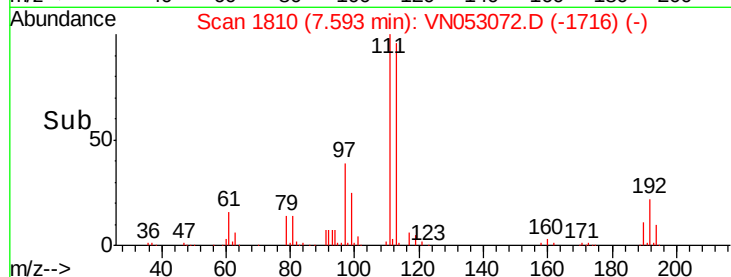
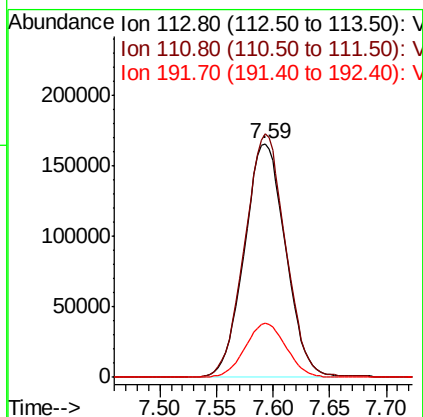
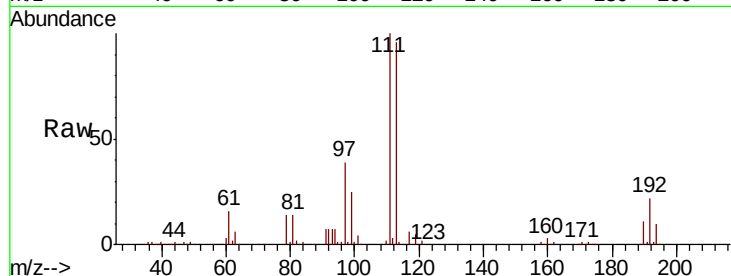




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN053072.D
 Acq: 20 Dec 2018 23:02

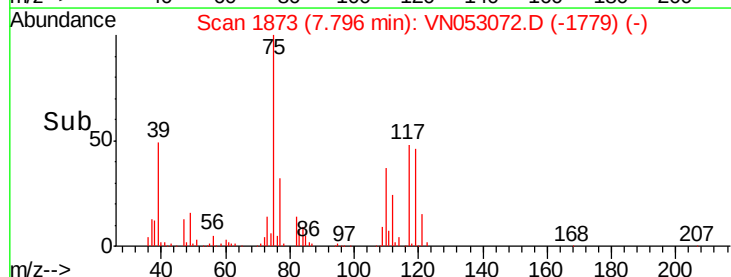
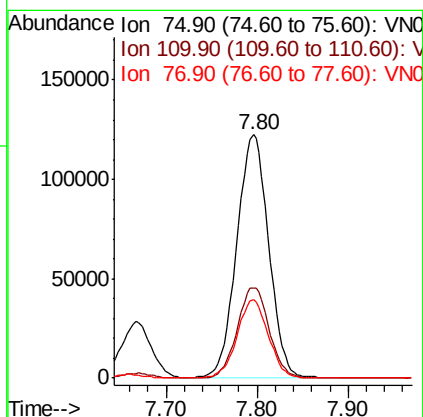
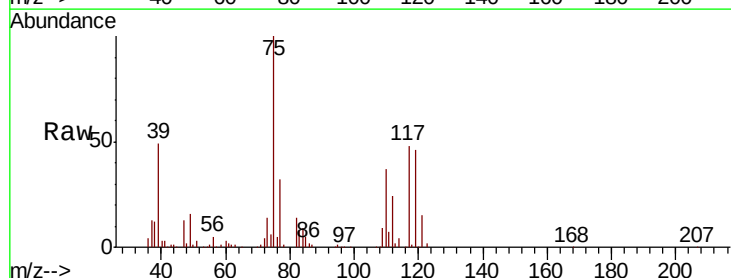
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1220WBS02

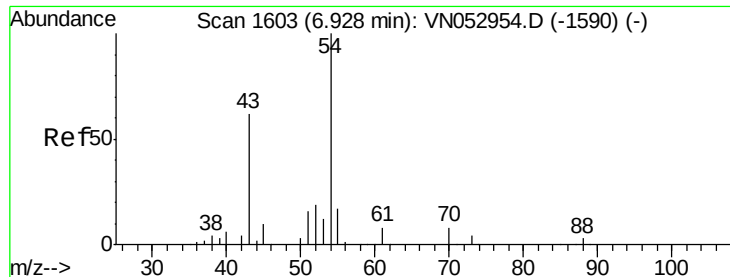
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.1	83.0	124.4
192	23.0	17.5	26.3



#36
 1,1-Dichloropropene
 Concen: 20.025 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN053072.D
 Acq: 20 Dec 2018 23:02

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.0	18.2	54.6
77	31.6	24.9	37.3

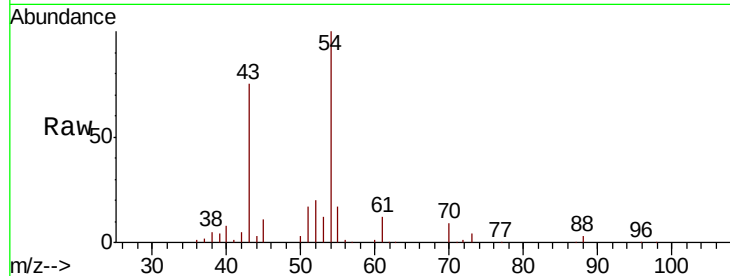




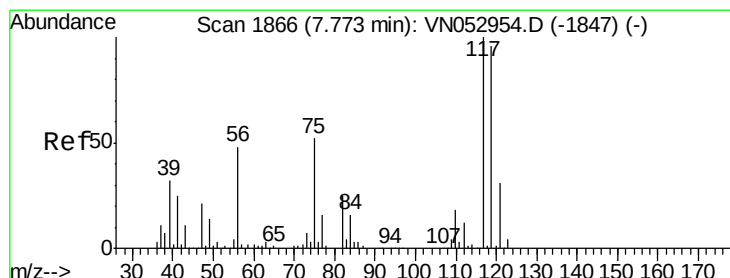
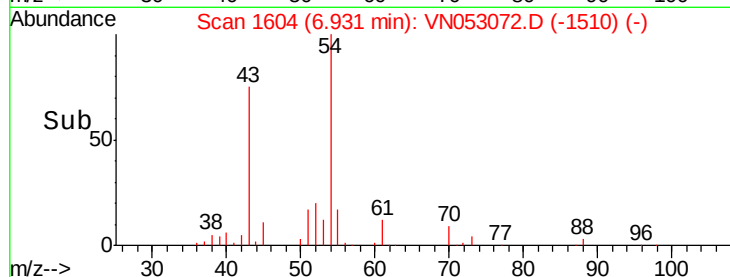
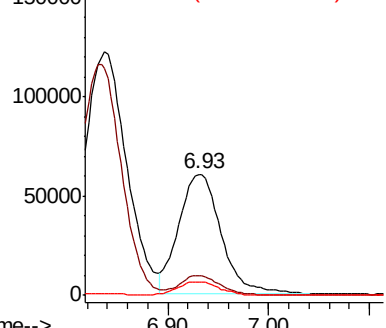
#37
Ethyl Acetate
Concen: 21.178 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN053072.D
Acq: 20 Dec 2018 23:02

Instrument :
MSVOA_N
ClientSampleId :
VN1220WBS02

Tot Ion: 43 Resp: 176704
Ion Ratio Lower Upper
43 100
61 14.4 11.8 17.6
70 11.3 8.4 12.6

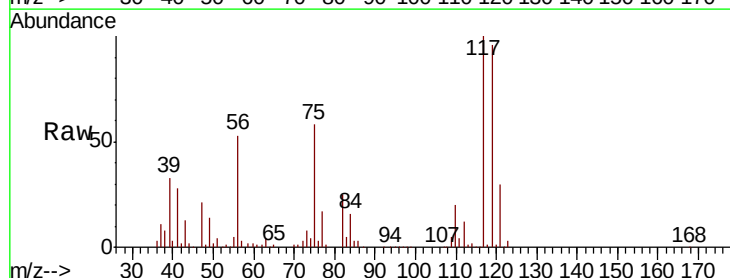


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

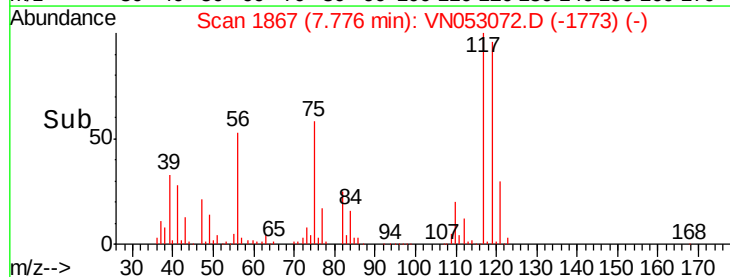
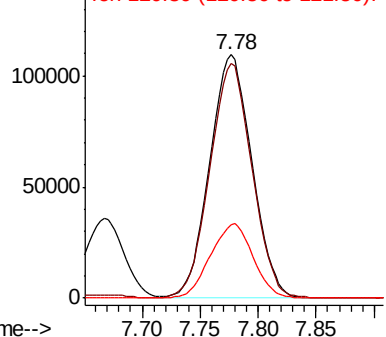


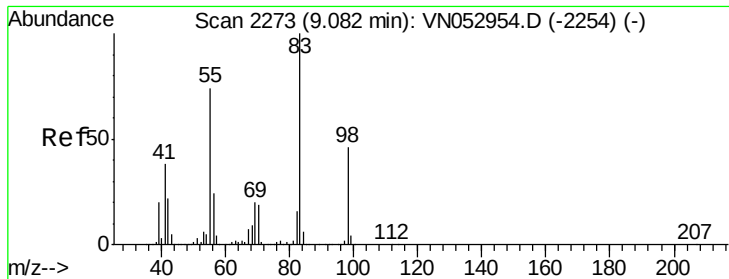
#38
Carbon Tetrachloride
Concen: 20.156 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN053072.D
Acq: 20 Dec 2018 23:02

Tgt Ion: 117 Resp: 276129
Ion Ratio Lower Upper
117 100
119 96.5 77.1 115.7
121 30.5 24.9 37.3



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

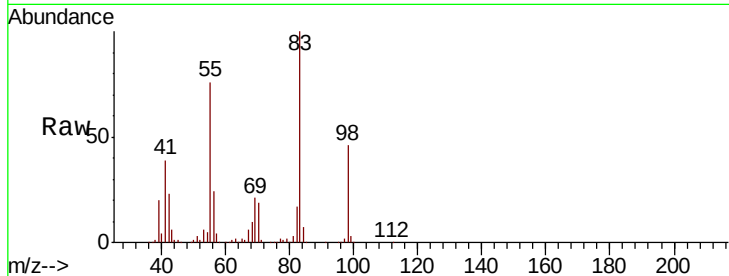




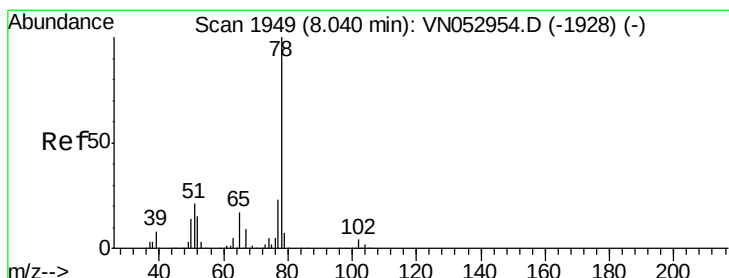
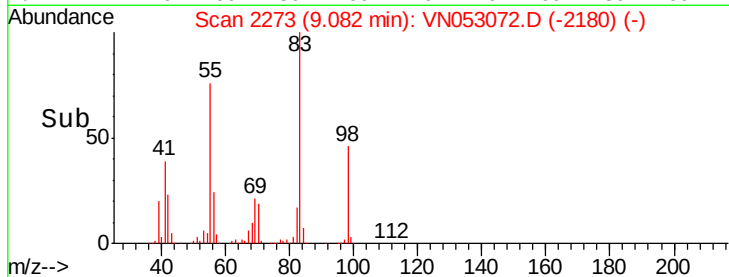
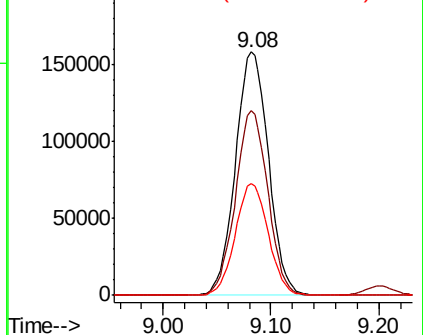
#39
Methylvlcyclohexane
Concen: 18.548 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN053072.D
Acq: 20 Dec 2018 23:02

Instrument :
MSVOA_N
ClientSampleId :
VN1220WBS02

Tot Ion: 83 Resp: 336780
Ion Ratio Lower Upper
83 100
55 76.0 61.3 91.9
98 46.0 37.0 55.4

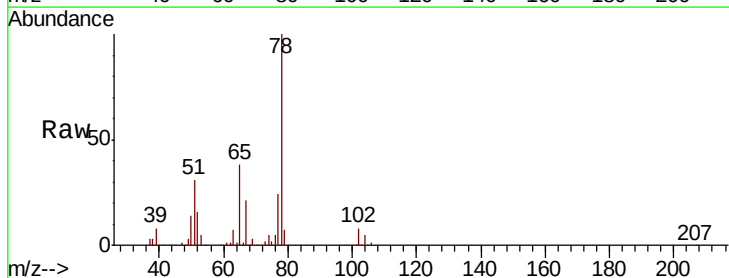


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

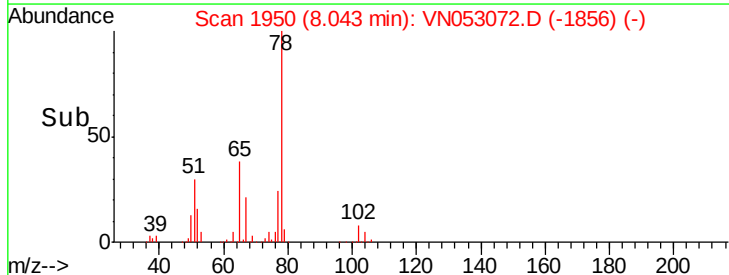
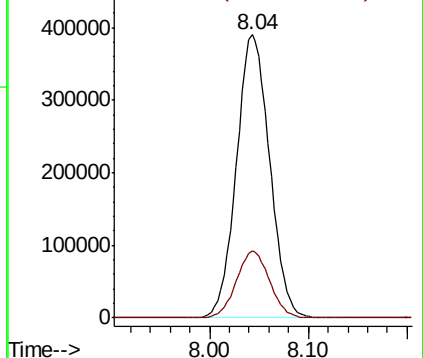


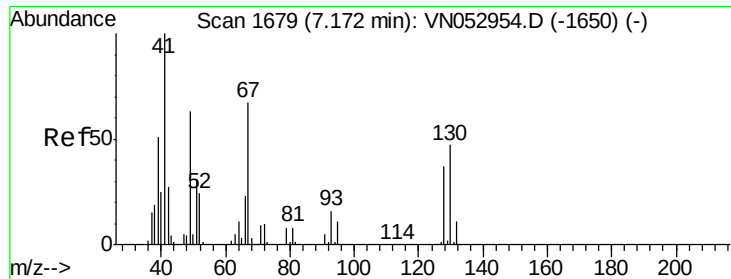
#40
Benzene
Concen: 20.429 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053072.D
Acq: 20 Dec 2018 23:02

Tgt Ion: 78 Resp: 908203
Ion Ratio Lower Upper
78 100
77 23.8 18.5 27.7



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

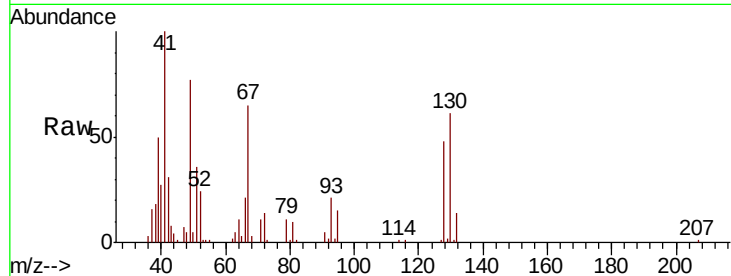




#41
Methacrylonitrile
Concen: 21.836 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.01 min
Lab File: VN053072.D
Acq: 20 Dec 2018 23:02

Instrument :
MSVOA_N
ClientSampleId :
VN1220WBS02

Tot Ion:	41	Resp:	105272
Ion	Ratio	Lower	Upper
41	100		
39	58.9	48.0	72.0
67	80.5	70.3	105.5
52	31.3	26.9	40.3



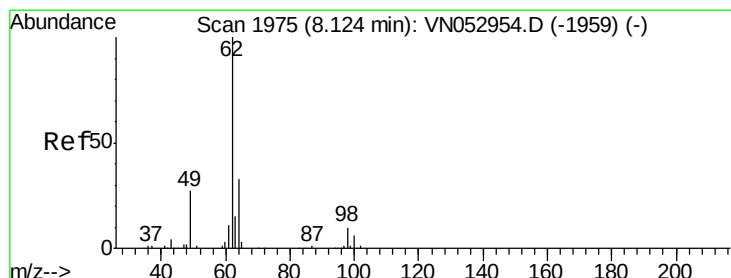
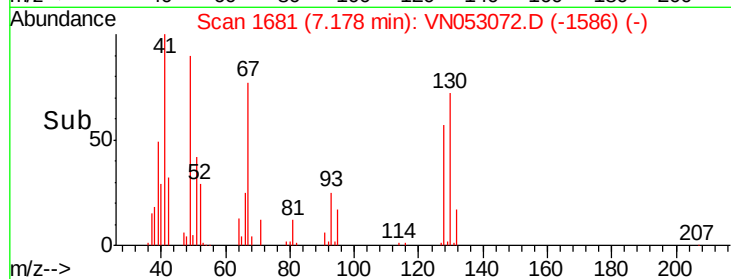
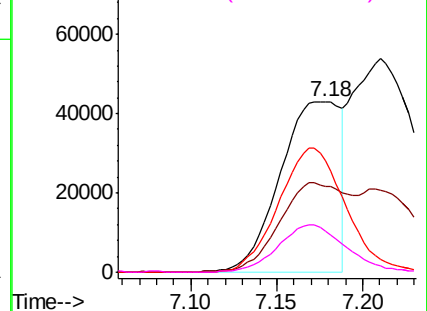
Abundance

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

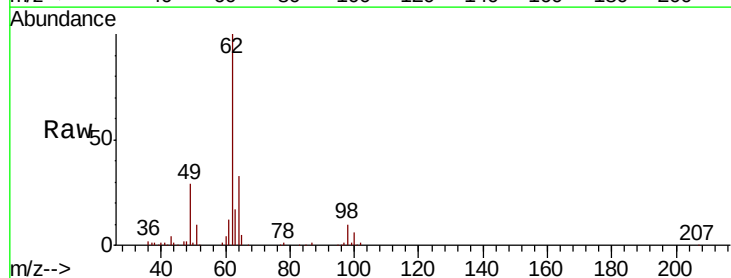
Ion 67.00 (66.70 to 67.70): VNO

Ion 52.00 (51.70 to 52.70): VNO



#42
1,2-Dichloroethane
Concen: 20.624 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN053072.D
Acq: 20 Dec 2018 23:02

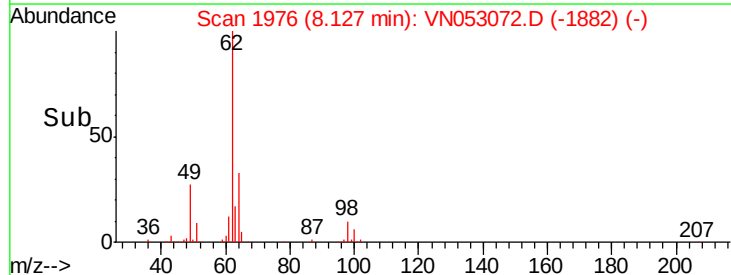
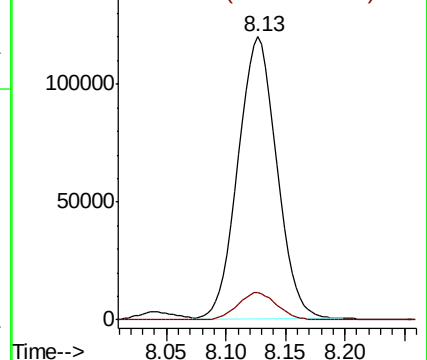
Tgt Ion:	62	Resp:	270861
Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	19.0

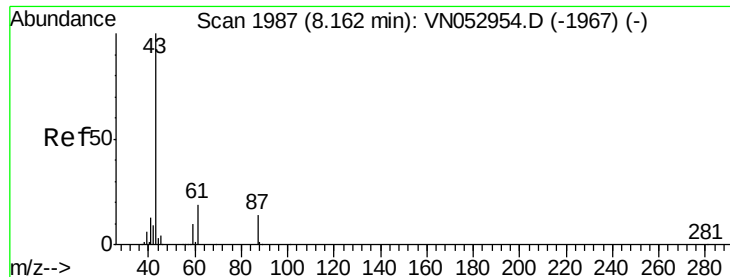


Abundance

Ion 61.90 (61.60 to 62.60): VNO

Ion 97.90 (97.60 to 98.60): VNO





#43

Isopropyl Acetate

Concen: 20.144 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN053072.D

Acq: 20 Dec 2018 23:02

Instrument :

MSVOA_N

ClientSampleId :

VN1220WBS02

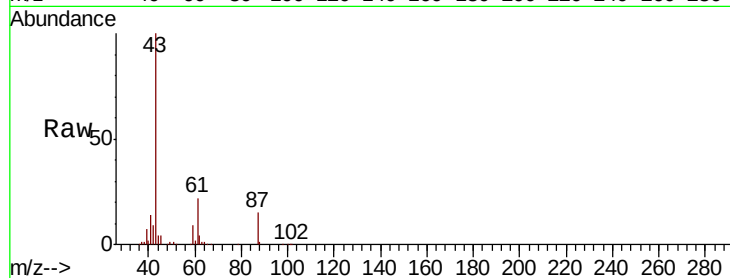
Tot Ion: 43 Resp: 335334

Ion Ratio Lower Upper

43 100

61 28.3 22.9 34.3

87 13.5 10.6 15.8



Abundance Ion 43.00 (42.70 to 43.70): VN052954.D (-1967) (-)

Ion 61.00 (60.70 to 61.70): VN052954.D (-1967) (-)

Ion 87.00 (86.70 to 87.70): VN052954.D (-1967) (-)

8.17

150000

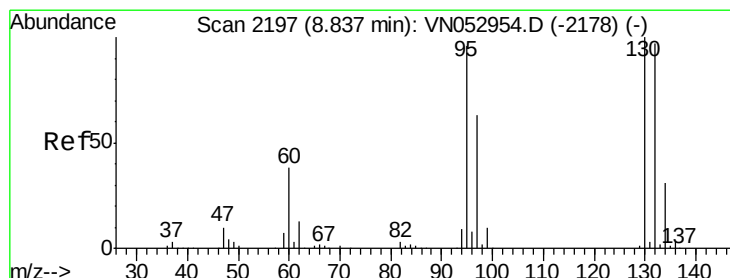
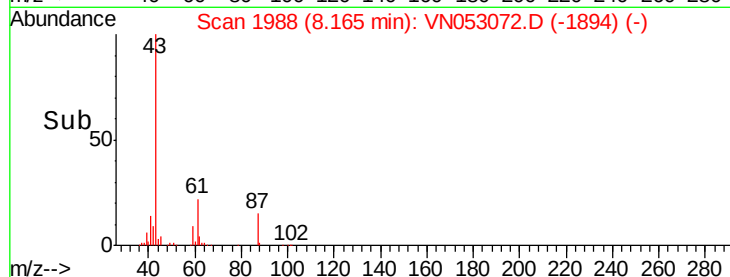
100000

50000

0

8.05 8.10 8.15 8.20 8.25

Time-->



#44

Trichloroethene

Concen: 19.481 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. -0.00 min

Lab File: VN053072.D

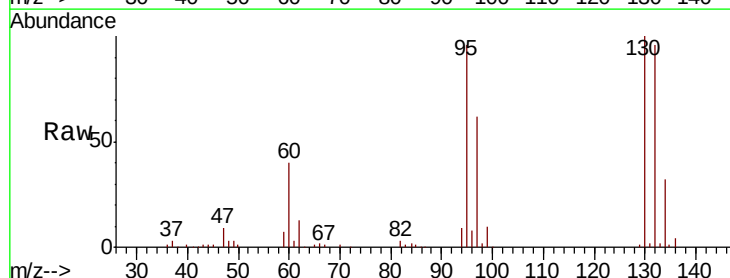
Acq: 20 Dec 2018 23:02

Tgt Ion:130 Resp: 250507

Ion Ratio Lower Upper

130 100

95 95.7 0.0 197.8



Abundance Ion 129.80 (129.50 to 130.50): VN052954.D (-2178) (-)

Ion 94.90 (94.60 to 95.60): VN052954.D (-2178) (-)

8.84

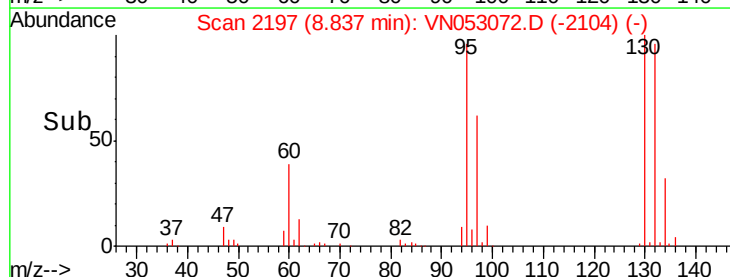
100000

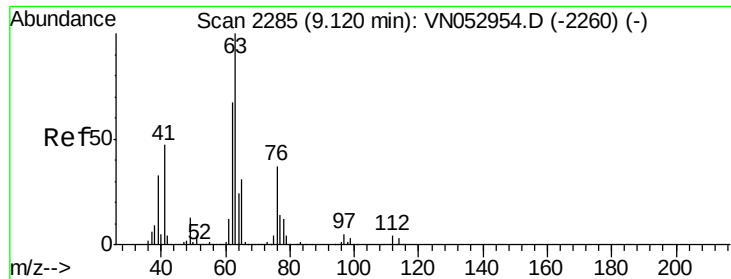
50000

0

8.75 8.80 8.85 8.90

Time-->





#45

1,2-Dichloropropane

Concen: 20.959 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. -0.00 min

Lab File: VN053072.D

Acq: 20 Dec 2018 23:02

Instrument :

MSVOA_N

ClientSampleId :

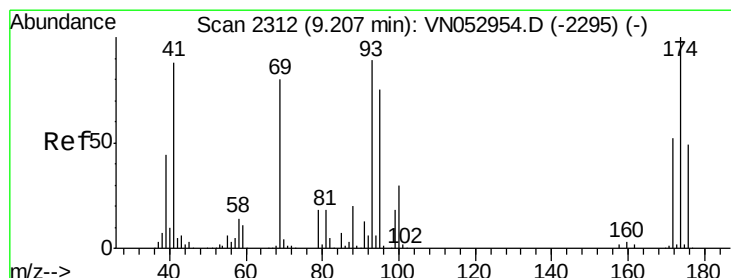
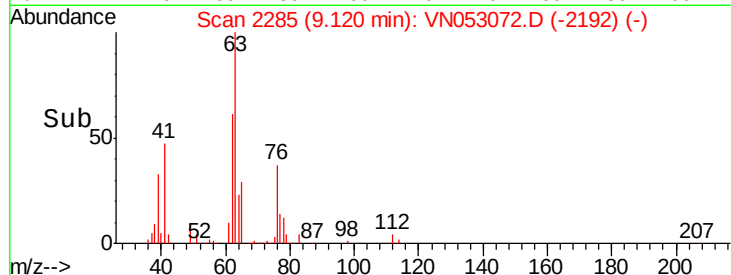
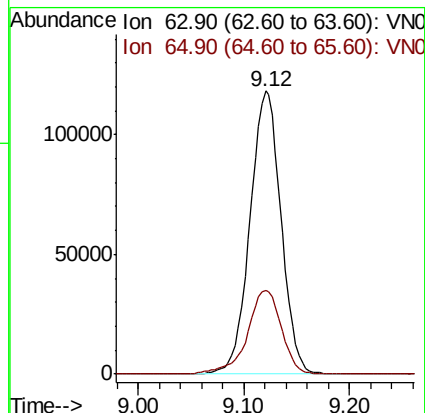
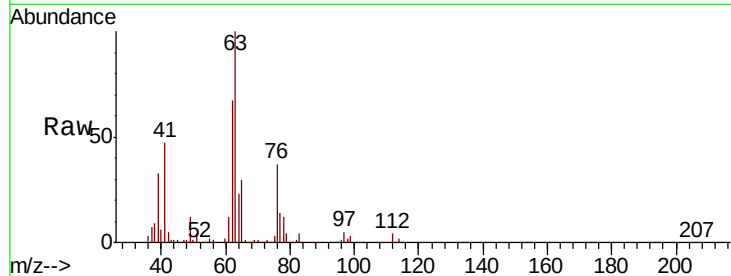
VN1220WBS02

Tot Ion: 63 Resp: 242707

Ion Ratio Lower Upper

63 100

65 29.6 24.6 37.0



#46

Dibromomethane

Concen: 20.432 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN053072.D

Acq: 20 Dec 2018 23:02

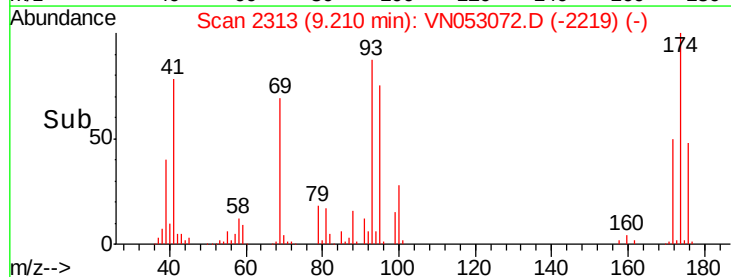
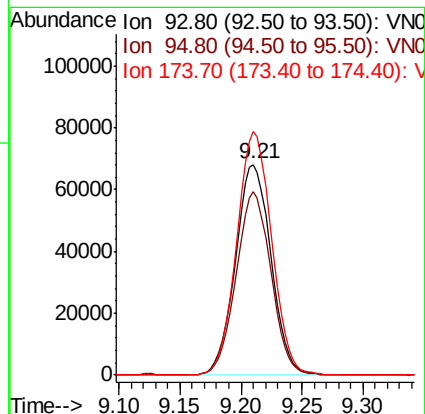
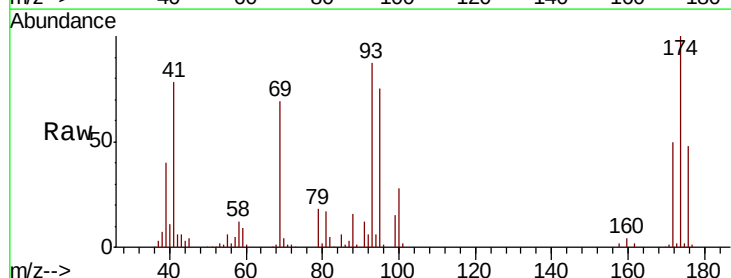
Tgt Ion: 93 Resp: 137827

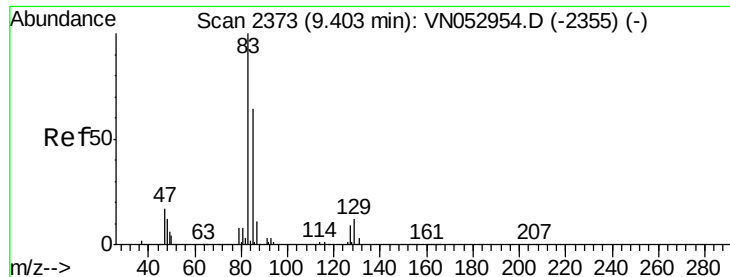
Ion Ratio Lower Upper

93 100

95 85.4 67.8 101.6

174 113.9 89.0 133.4





#47

Bromodichloromethane

Concen: 20.185 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN053072.D

Acq: 20 Dec 2018 23:02

Instrument :

MSVOA_N

ClientSampleId :

VN1220WBS02

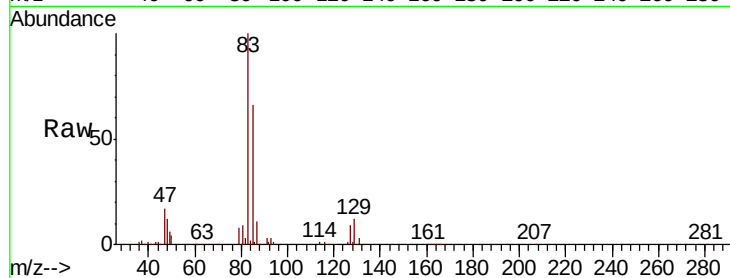
Tot Ion: 83 Resp: 289446

Ion Ratio Lower Upper

83 100

85 65.8 51.6 77.4

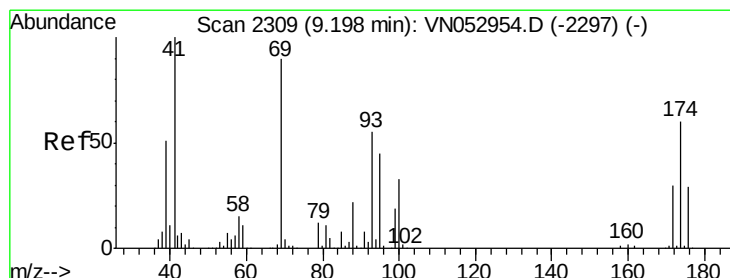
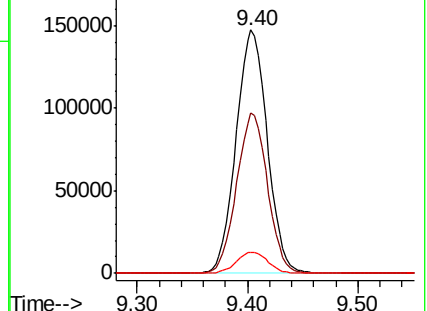
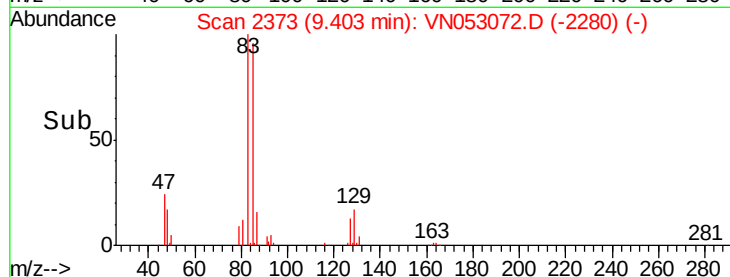
127 8.6 7.1 10.7



Abundance Ion 82.90 (82.60 to 83.60): VN053072.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN053072.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN053072.D (-2280) (-)



#48

Methyl methacrylate

Concen: 19.714 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN053072.D

Acq: 20 Dec 2018 23:02

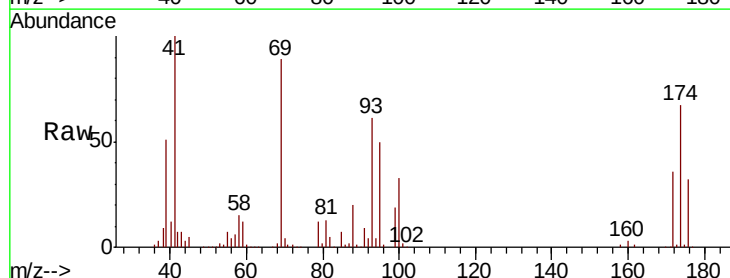
Tgt Ion: 41 Resp: 159614

Ion Ratio Lower Upper

41 100

69 92.0 72.2 108.2

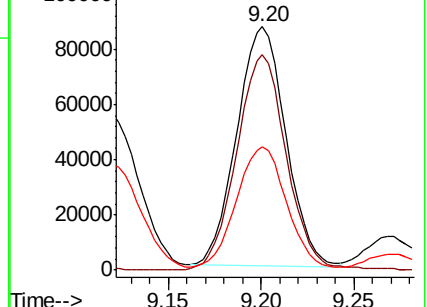
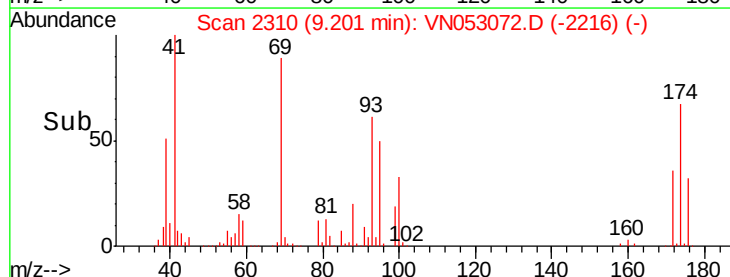
39 53.0 41.9 62.9

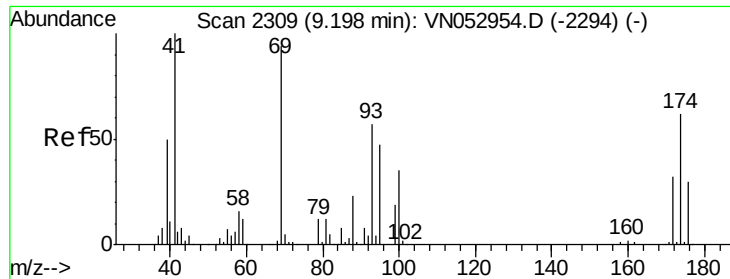


Abundance Ion 41.00 (40.70 to 41.70): VN053072.D (-2216) (-)

Ion 69.00 (68.70 to 69.70): VN053072.D (-2216) (-)

Ion 39.00 (38.70 to 39.70): VN053072.D (-2216) (-)

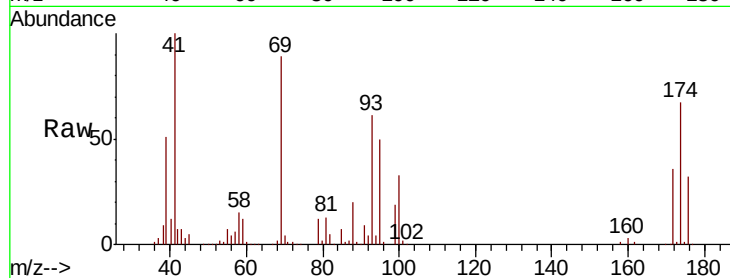




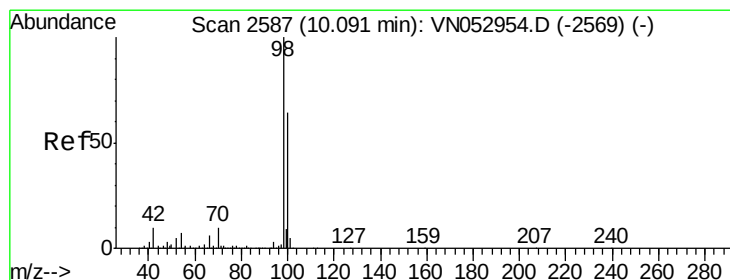
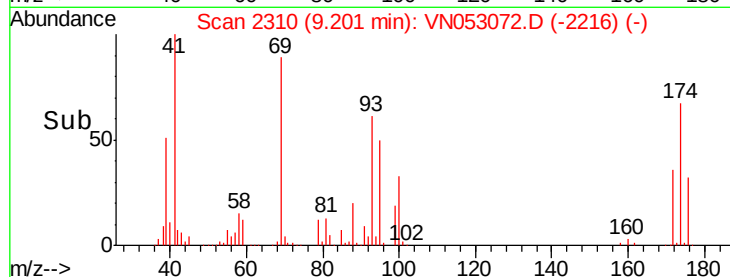
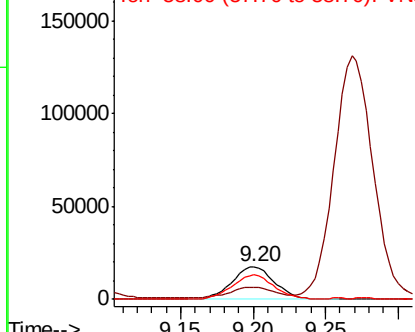
#49
1,4-Dioxane
Concen: 350.847 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN053072.D
Acq: 20 Dec 2018 23:02

Instrument :
MSVOA_N
ClientSampleId :
VN1220WBS02

Tot Ion: 88 Resp: 35933
Ion Ratio Lower Upper
88 100
43 32.6 26.6 40.0
58 74.7 58.4 87.6

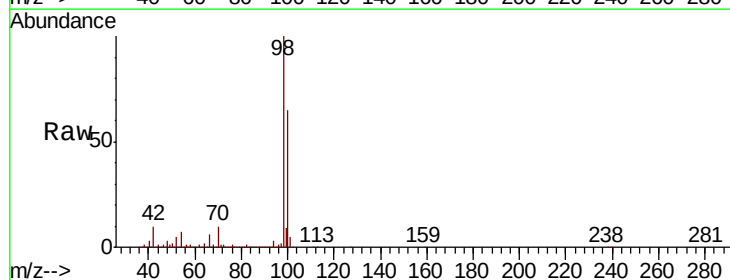


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

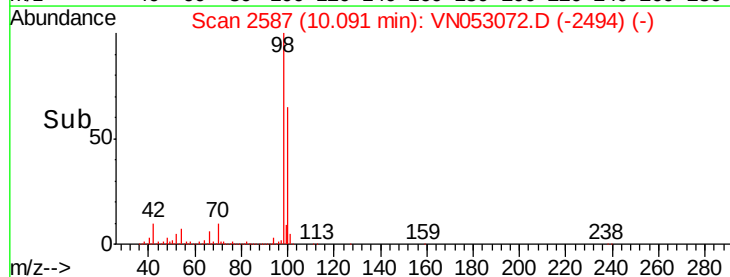
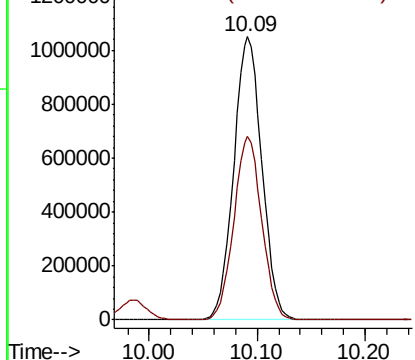


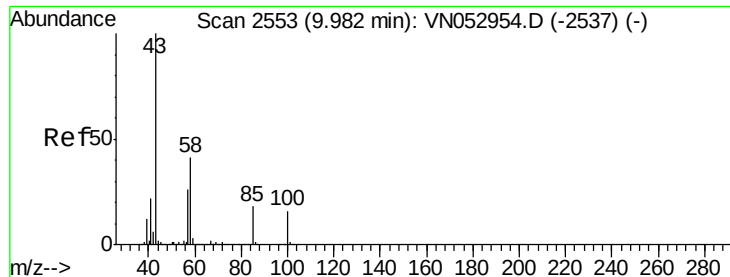
#50
Toluene-d8
Concen: 350.847 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN053072.D
Acq: 20 Dec 2018 23:02

Tgt Ion: 98 Resp: 1909063
Ion Ratio Lower Upper
98 100
100 64.2 51.6 77.4



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

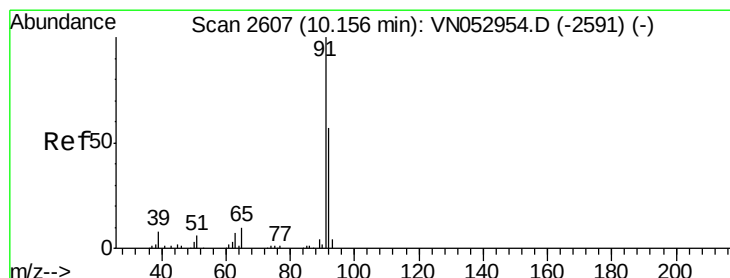
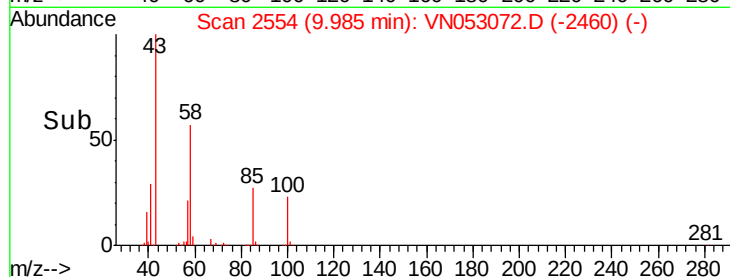
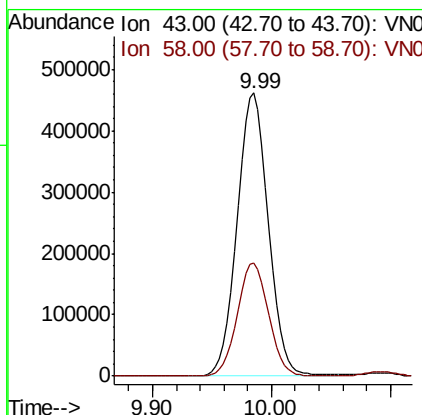
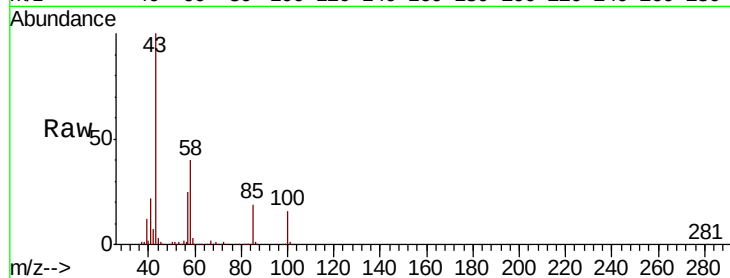




#51
 4-Methyl-2-Pentanone
 Concen: 103.224 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. 0.00 min
 Lab File: VN053072.D
 Acq: 20 Dec 2018 23:02

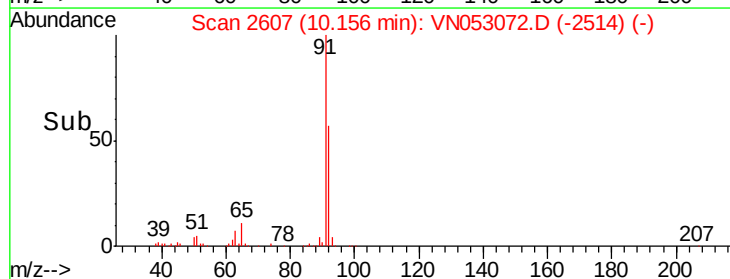
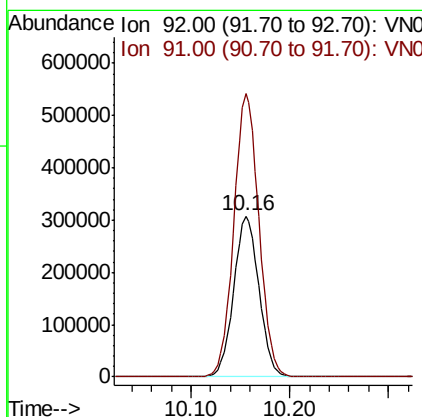
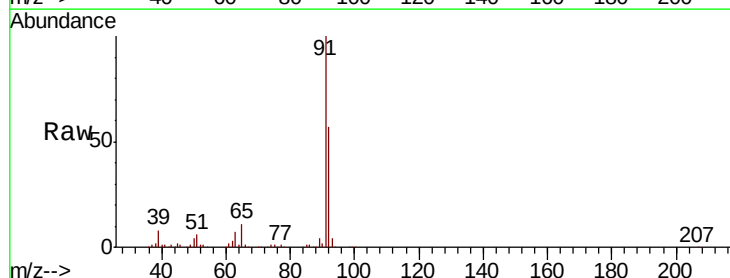
Instrument :
 MSVOA_N
 ClientSampled :
 VN1220WBS02

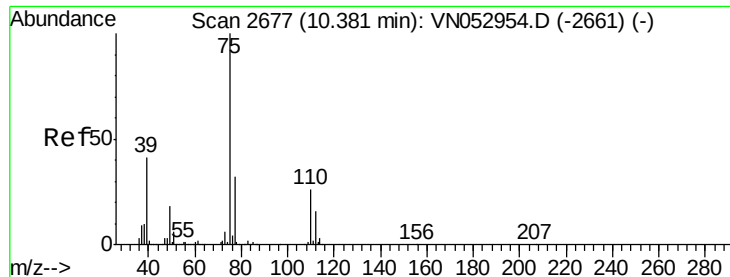
Tot Ion: 43 Resp: 834083
 Ion Ratio Lower Upper
 43 100
 58 40.4 32.2 48.4



#52
 Toluene
 Concen: 19.842 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. -0.00 min
 Lab File: VN053072.D
 Acq: 20 Dec 2018 23:02

Tgt Ion: 92 Resp: 546755
 Ion Ratio Lower Upper
 92 100
 91 174.8 139.8 209.6





#53

t-1,3-Dichloropropene

Concen: 18.709 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN053072.D

Acq: 20 Dec 2018 23:02

Instrument :

MSVOA_N

ClientSampleId :

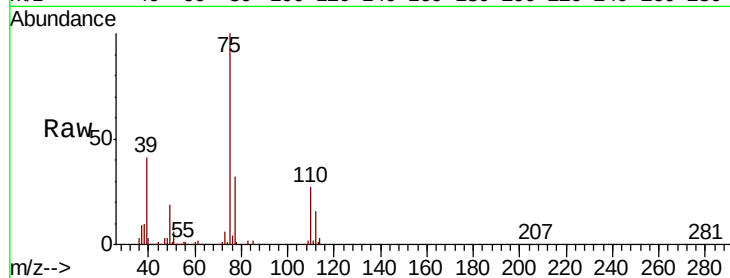
VN1220WBS02

Tot Ion: 75 Resp: 282106

Ion Ratio Lower Upper

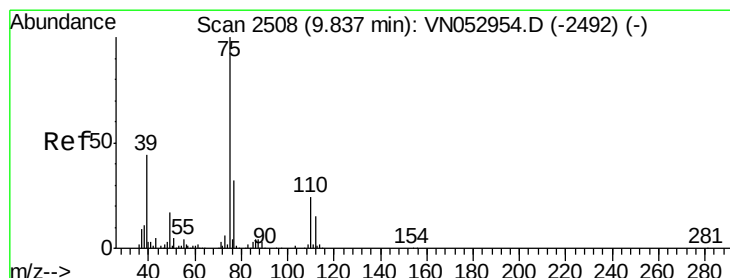
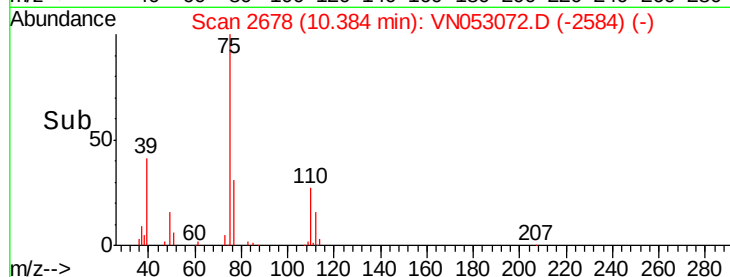
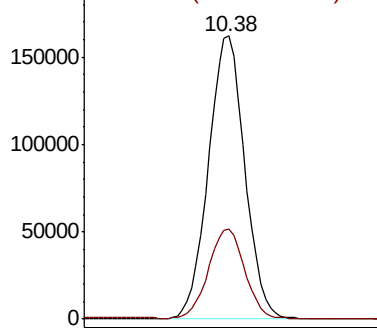
75 100

77 31.7 25.6 38.4



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 19.847 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN053072.D

Acq: 20 Dec 2018 23:02

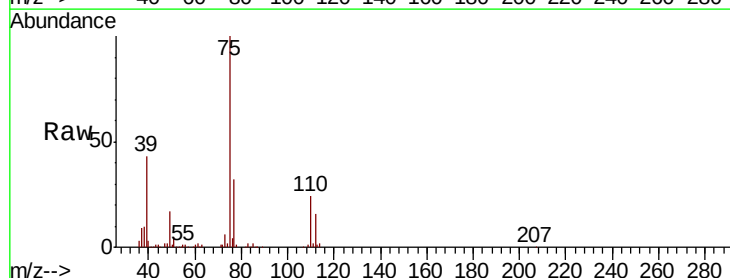
Tgt Ion: 75 Resp: 343501

Ion Ratio Lower Upper

75 100

77 32.3 25.8 38.8

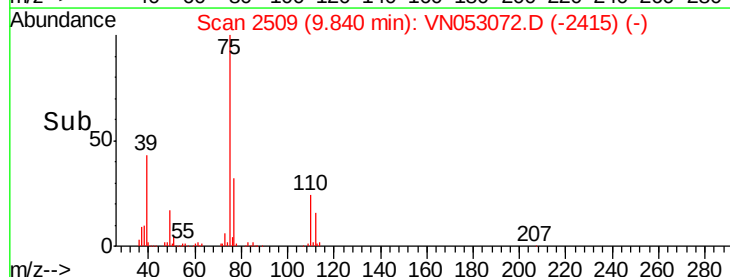
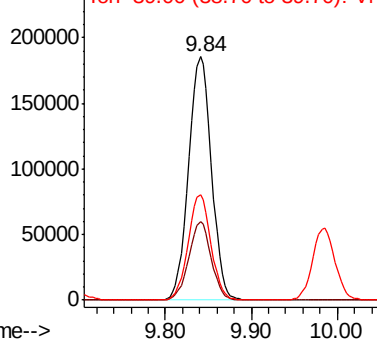
39 43.2 34.8 52.2

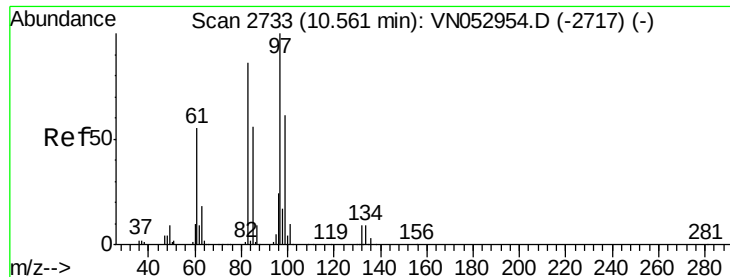


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

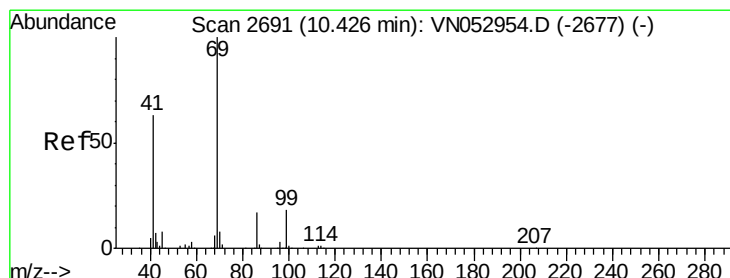
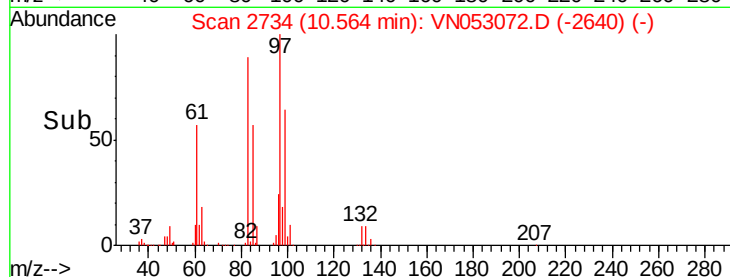
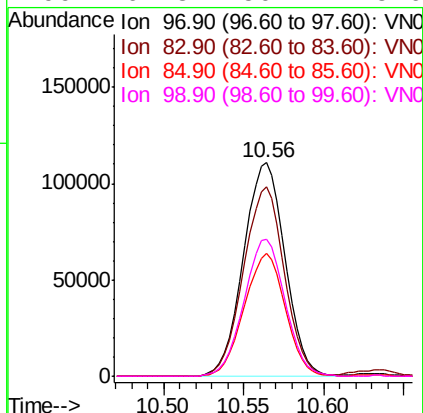
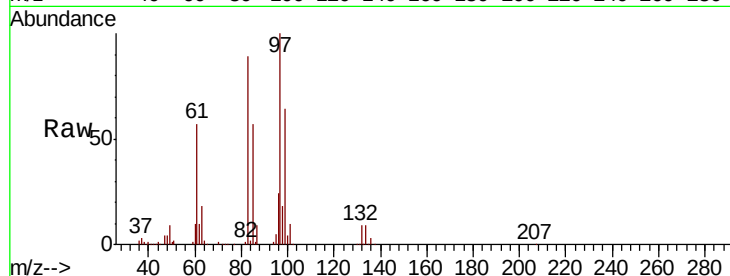




#55
 1,1,2-Trichloroethane
 Concen: 20.468 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN053072.D
 Acq: 20 Dec 2018 23:02

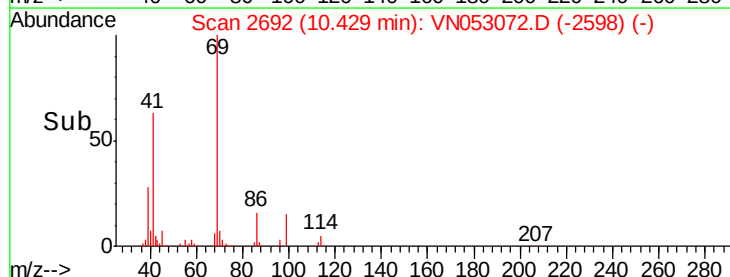
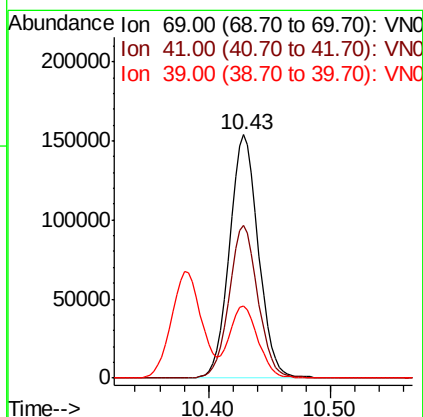
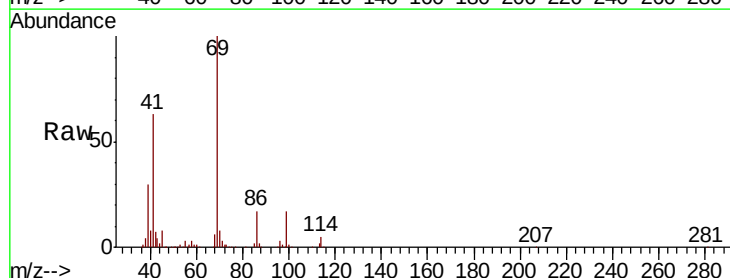
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1220WBS02

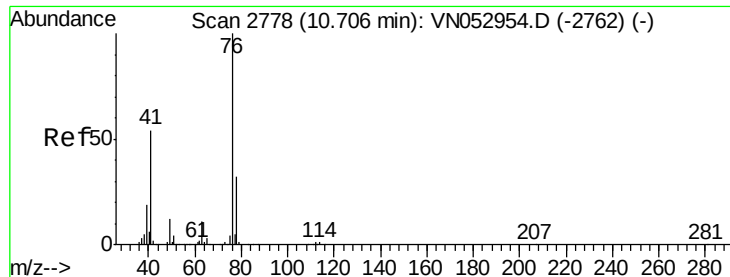
Tot Ion:	97	Resp:	196769
Ion	Ratio	Lower	Upper
97	100		
83	88.5	70.9	106.3
85	57.5	45.4	68.2
99	64.3	50.4	75.6



#56
 Ethyl methacrylate
 Concen: 19.960 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053072.D
 Acq: 20 Dec 2018 23:02

Tgt Ion:	69	Resp:	253979
Ion	Ratio	Lower	Upper
69	100		
41	61.8	51.7	77.5
39	29.4	24.6	37.0





#57

1,3-Dichloropropane

Concen: 20.420 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN053072.D

Acq: 20 Dec 2018 23:02

Instrument :

MSVOA_N

ClientSampleId :

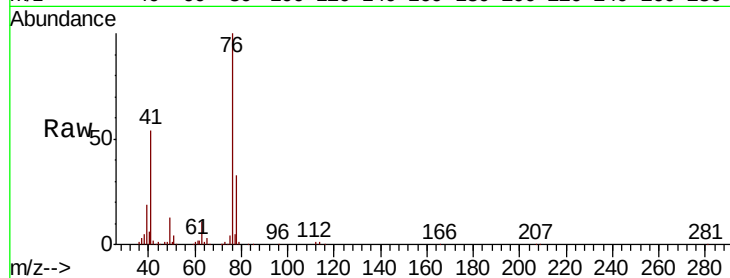
VN1220WBS02

Tot Ion: 76 Resp: 336637

Ion Ratio Lower Upper

76 100

78 32.5 25.8 38.8



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

200000

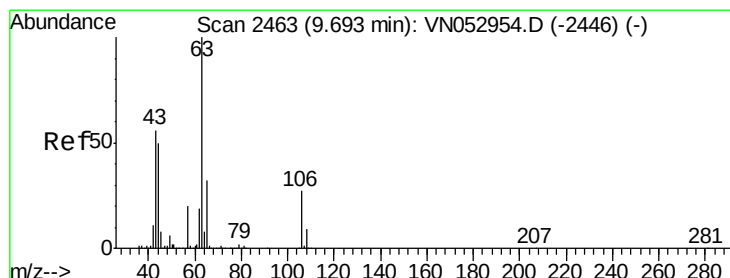
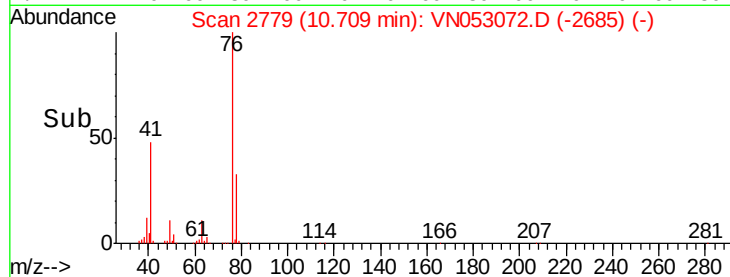
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 102.099 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN053072.D

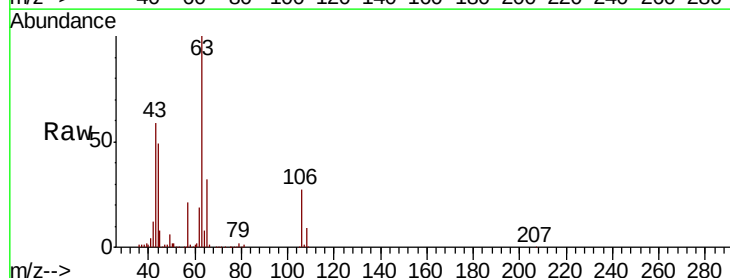
Acq: 20 Dec 2018 23:02

Tgt Ion: 63 Resp: 713223

Ion Ratio Lower Upper

63 100

106 27.3 21.0 31.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.70

400000

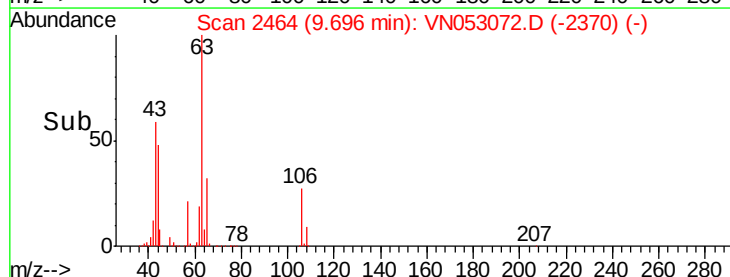
300000

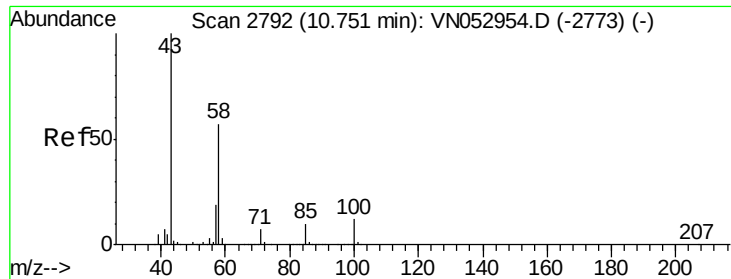
200000

100000

0

Time-->

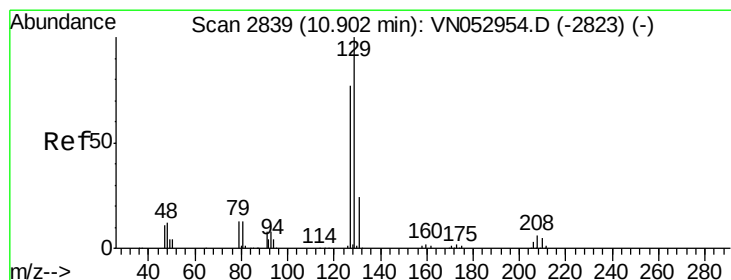
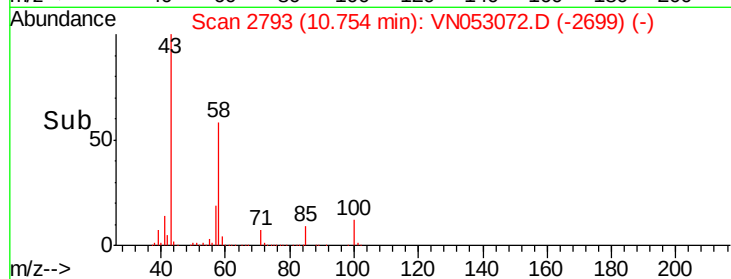
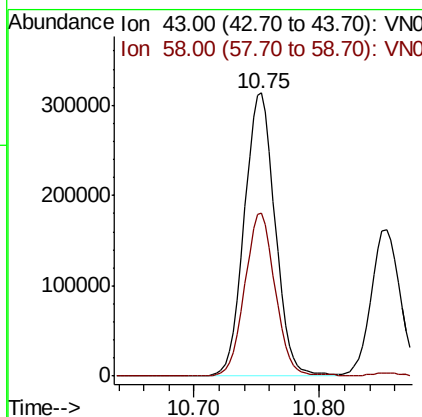
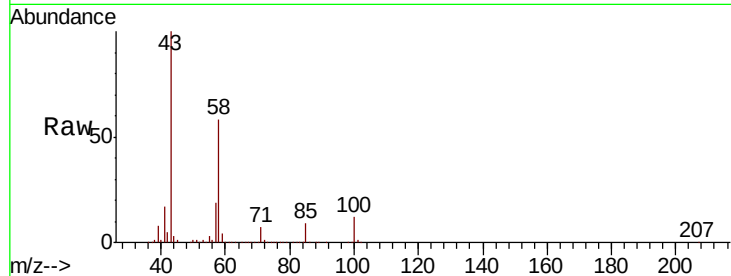




#59
2-Hexanone
Concen: 97.753 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN053072.D
Acq: 20 Dec 2018 23:02

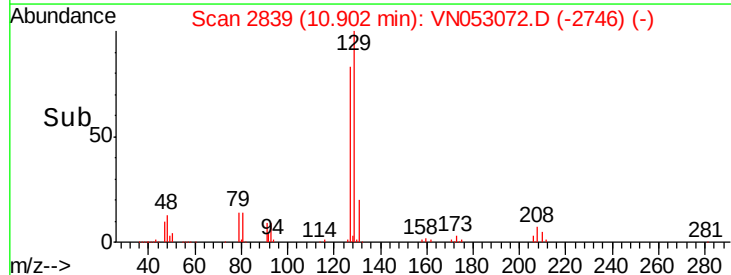
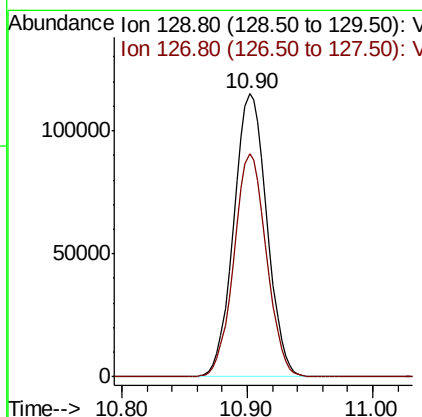
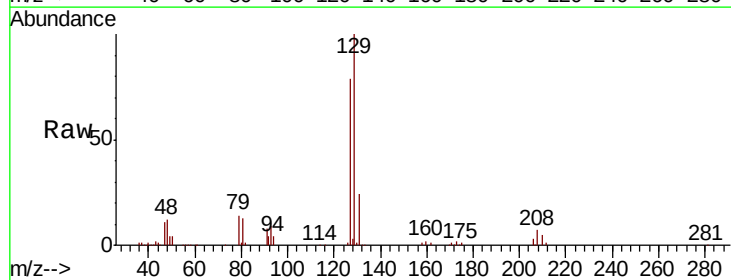
Instrument :
MSVOA_N
ClientSampleId :
VN1220WBS02

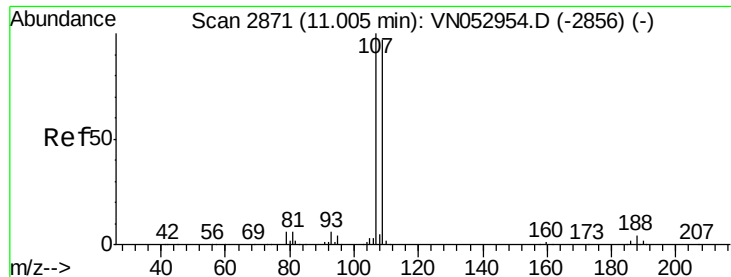
Tot Ion: 43 Resp: 534415
Ion Ratio Lower Upper
43 100
58 57.1 28.1 84.3



#60
Dibromochloromethane
Concen: 19.183 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN053072.D
Acq: 20 Dec 2018 23:02

Tgt Ion: 129 Resp: 211099
Ion Ratio Lower Upper
129 100
127 77.3 38.6 116.0

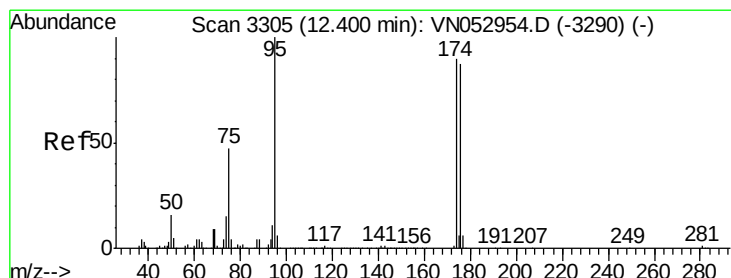
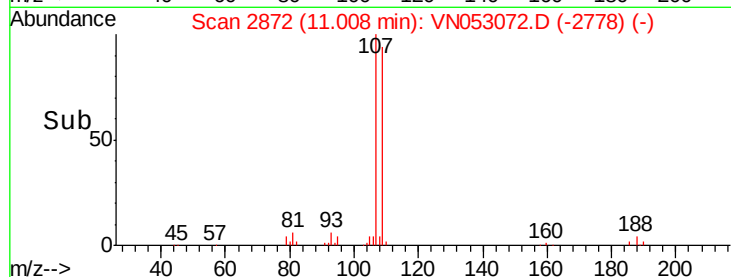
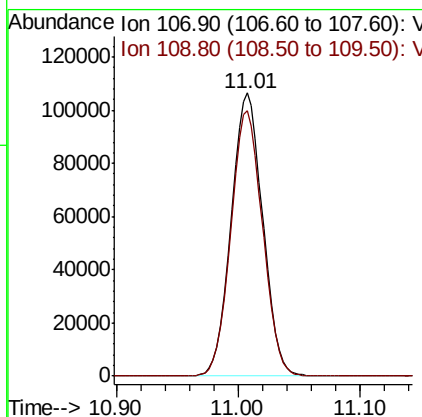
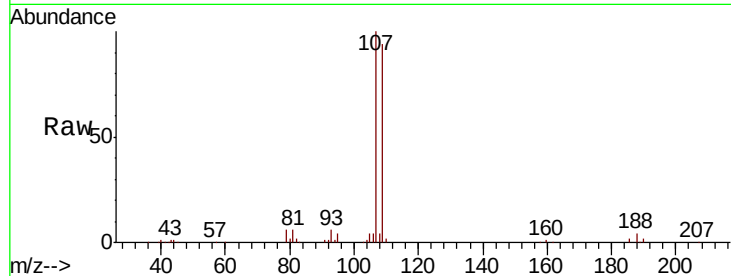




#61
 1,2-Dibromoethane
 Concen: 19.514 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN053072.D
 Acq: 20 Dec 2018 23:02

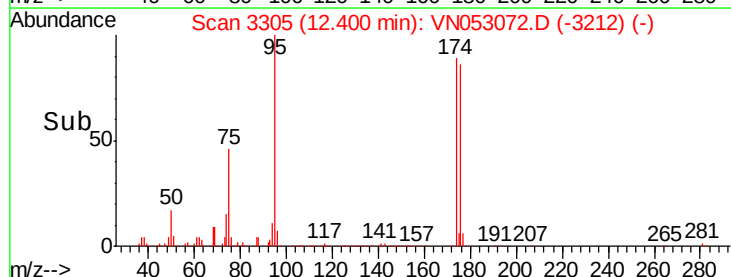
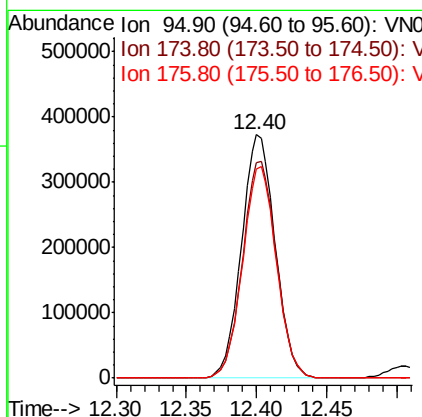
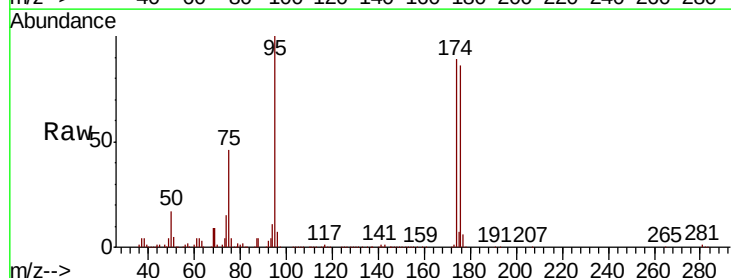
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1220WBS02

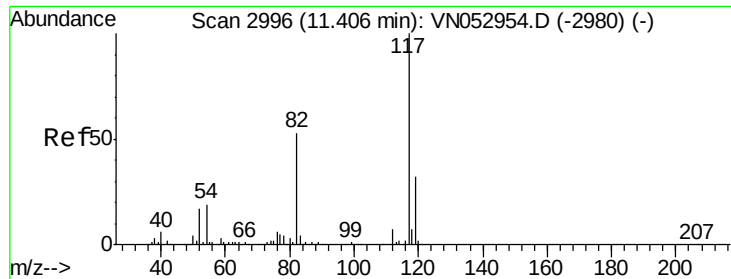
Tot Ion: 107 Resp: 190527
 Ion Ratio Lower Upper
 107 100
 109 94.7 75.4 113.0



#62
 4-Bromofluorobenzene
 Concen: 19.514 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN053072.D
 Acq: 20 Dec 2018 23:02

Tgt Ion: 95 Resp: 622025
 Ion Ratio Lower Upper
 95 100
 174 89.9 0.0 178.8
 176 87.4 0.0 173.8

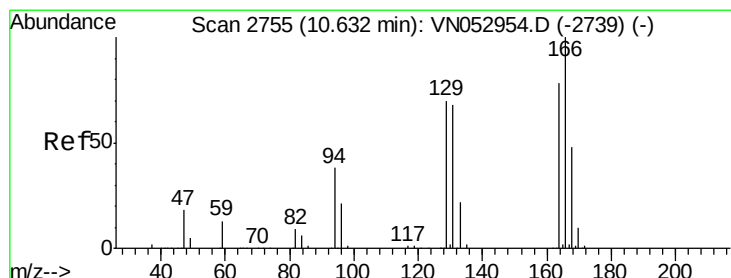
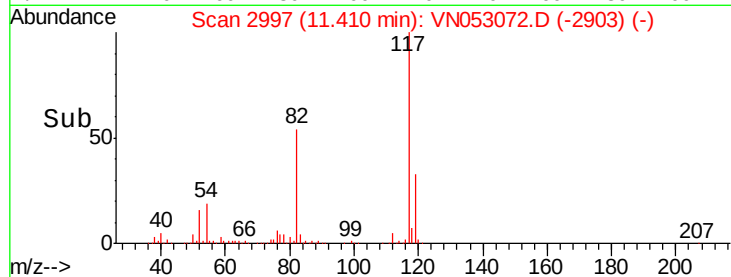
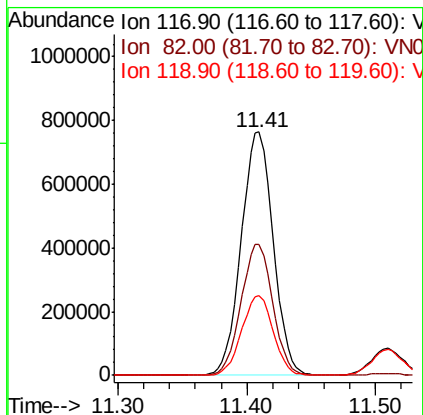
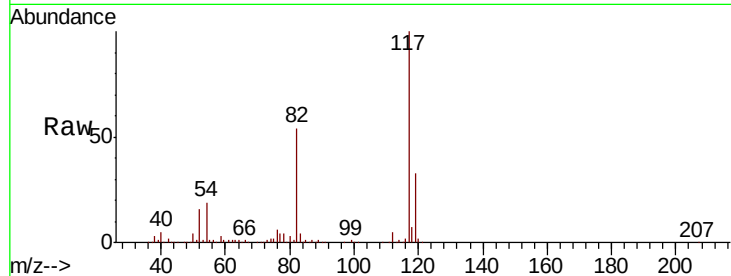




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN053072.D
Acq: 20 Dec 2018 23:02

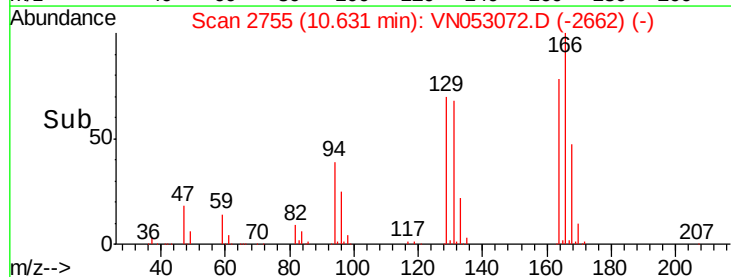
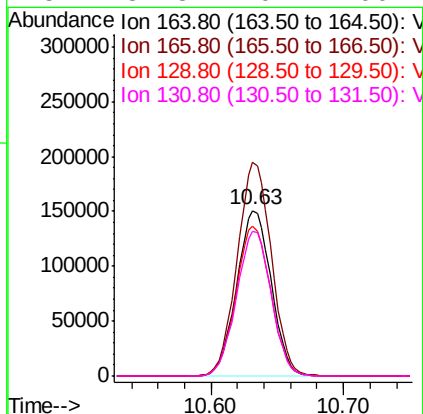
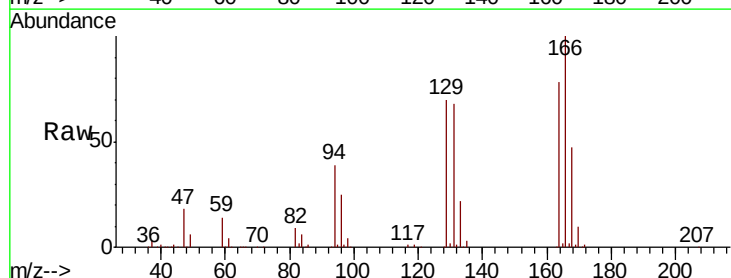
Instrument :
MSVOA_N
ClientSampleId :
VN1220WBS02

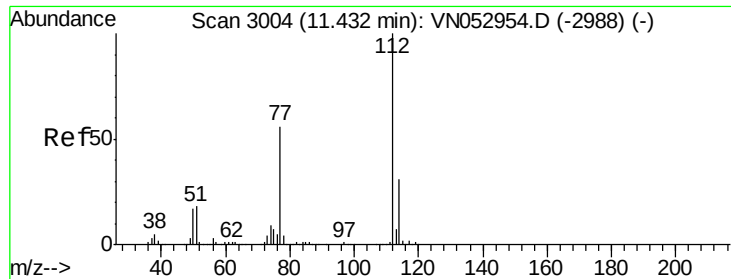
Tot Ion:117 Resp: 1320387
Ion Ratio Lower Upper
117 100
82 53.7 42.8 64.2
119 32.8 25.5 38.3



#64
Tetrachloroethene
Concen: 19.055 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN053072.D
Acq: 20 Dec 2018 23:02

Tgt Ion:164 Resp: 272545
Ion Ratio Lower Upper
164 100
166 128.9 102.9 154.3
129 90.7 73.7 110.5
131 87.3 70.7 106.1

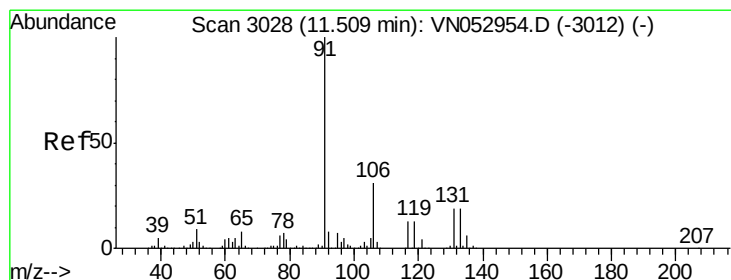
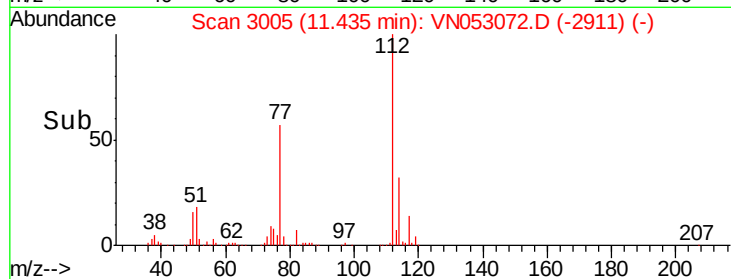
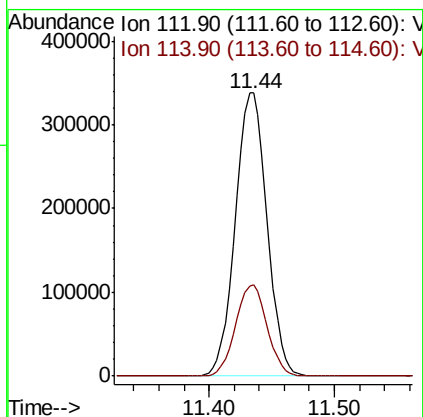
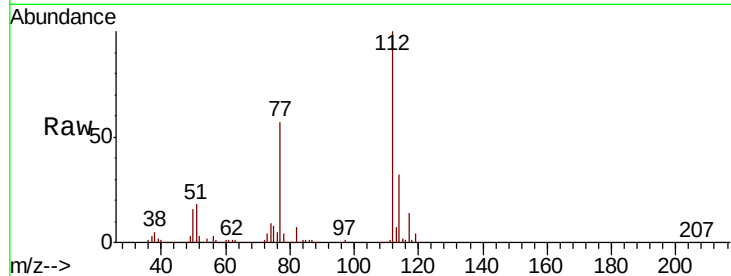




#65
Chlorobenzene
Concen: 20.245 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN053072.D
Acq: 20 Dec 2018 23:02

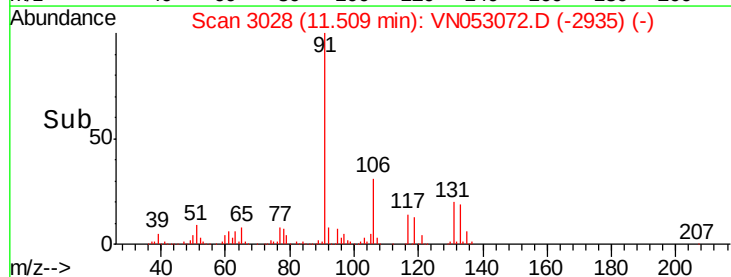
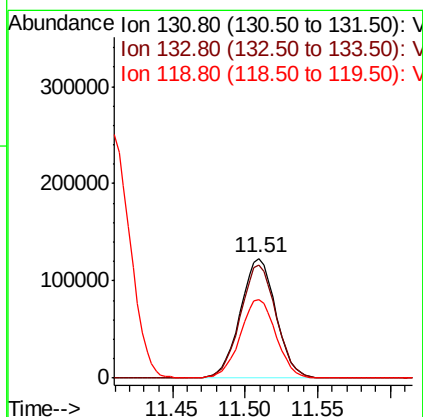
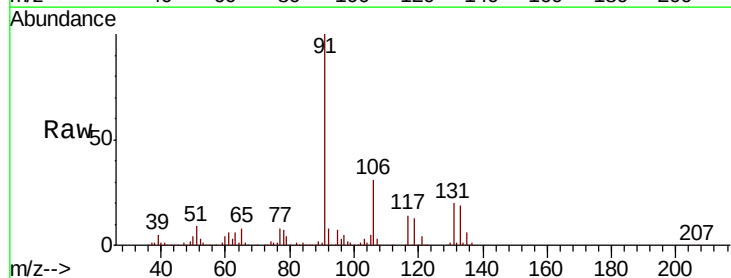
Instrument :
MSVOA_N
ClientSampleId :
VN1220WBS02

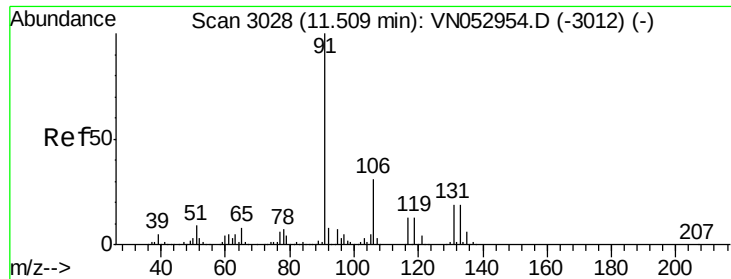
Tot Ion:112 Resp: 592544
Ion Ratio Lower Upper
112 100
114 32.1 25.5 38.3



#66
1,1,1,2-Tetrachloroethane
Concen: 20.724 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN053072.D
Acq: 20 Dec 2018 23:02

Tgt Ion:131 Resp: 210935
Ion Ratio Lower Upper
131 100
133 95.1 47.6 142.9
119 65.7 33.3 99.8

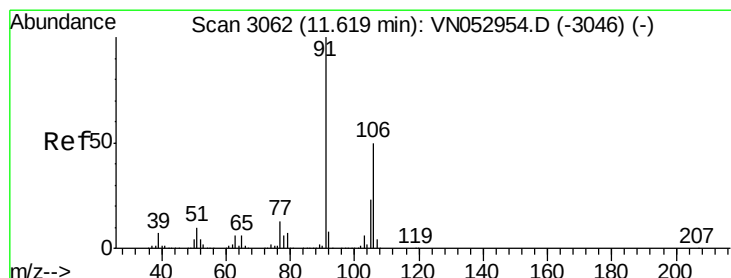
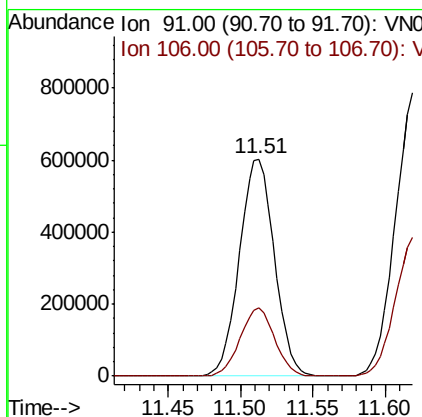
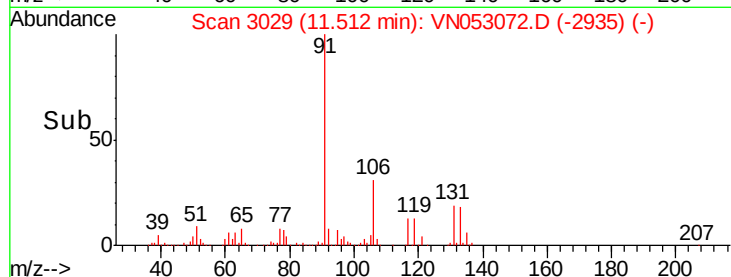
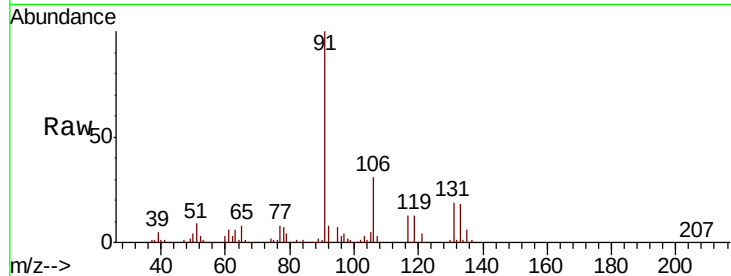




#67
Ethyl Benzene
Concen: 20.091 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN053072.D
Acq: 20 Dec 2018 23:02

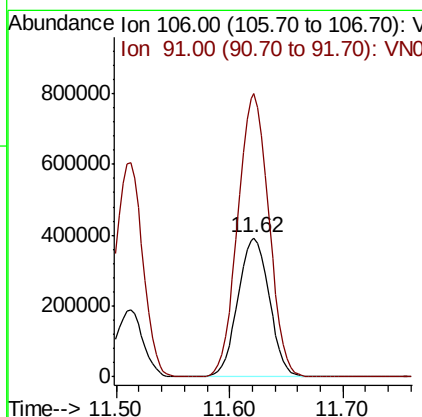
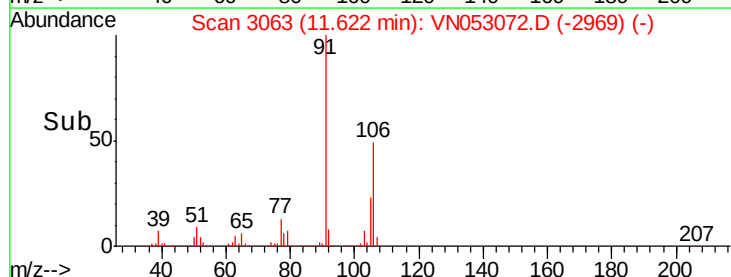
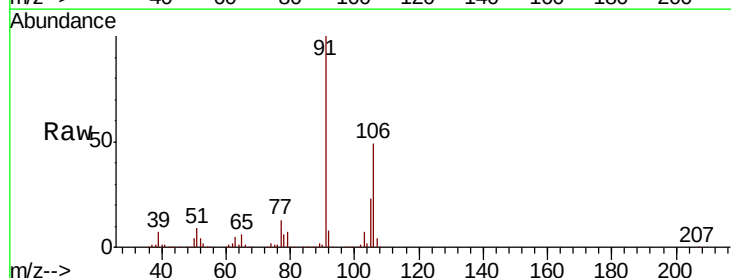
Instrument :
MSVOA_N
ClientSampled :
VN1220WBS02

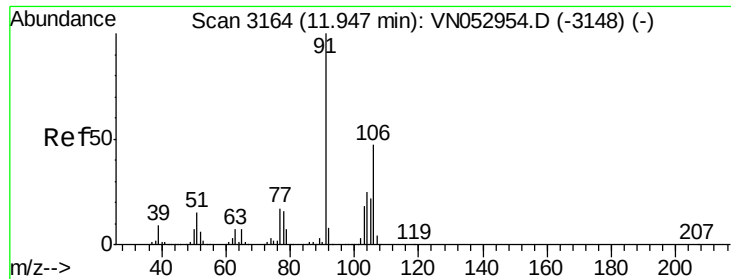
Tot Ion: 91 Resp: 1011305
Ion Ratio Lower Upper
91 100
106 31.3 24.9 37.3



#68
m/p-Xylenes
Concen: 39.585 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053072.D
Acq: 20 Dec 2018 23:02

Tgt Ion: 106 Resp: 757478
Ion Ratio Lower Upper
106 100
91 201.6 162.2 243.4

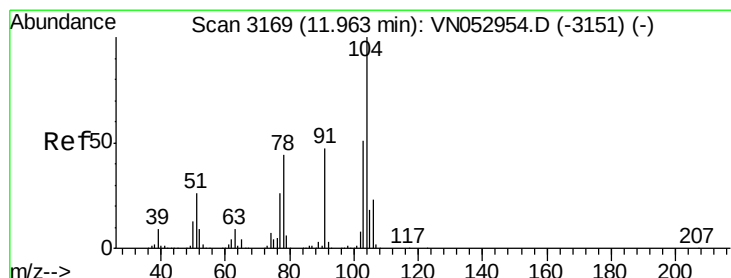
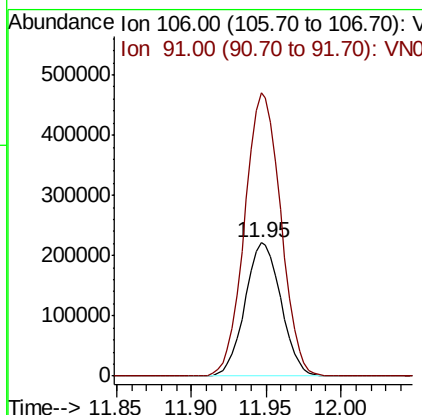
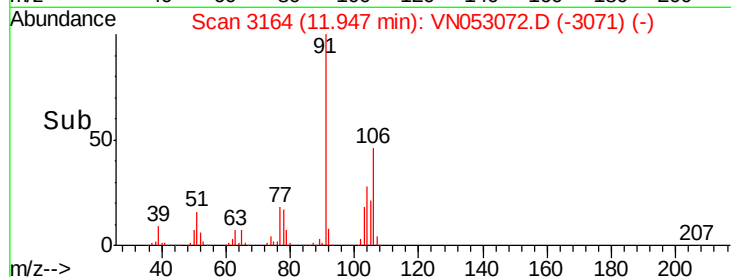
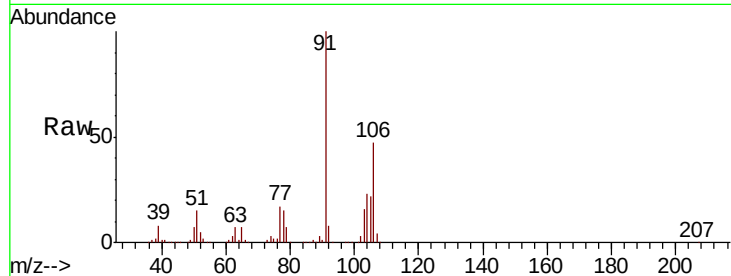




#69
o-Xylene
Concen: 20.174 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN053072.D
Acq: 20 Dec 2018 23:02

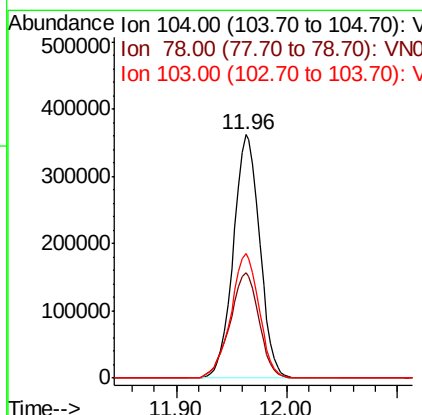
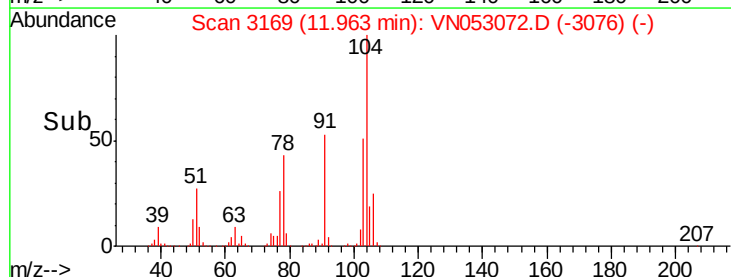
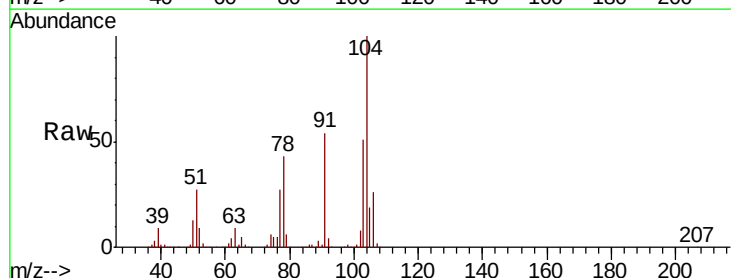
Instrument :
MSVOA_N
ClientSampled :
VN1220WBS02

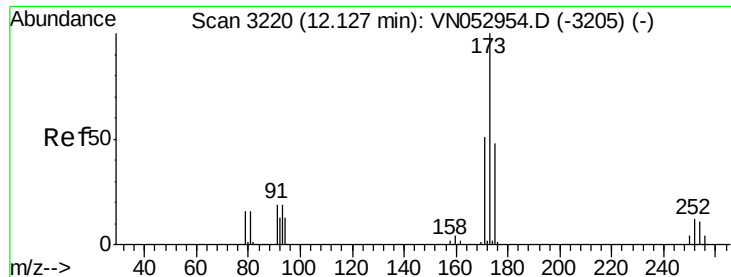
Tot Ion:106 Resp: 370430
Ion Ratio Lower Upper
106 100
91 213.0 106.6 319.8



#70
Styrene
Concen: 20.028 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN053072.D
Acq: 20 Dec 2018 23:02

Tgt Ion:104 Resp: 599654
Ion Ratio Lower Upper
104 100
78 47.6 38.9 58.3
103 54.9 44.3 66.5





#71

Bromoform

Concen: 18.435 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN053072.D

Acq: 20 Dec 2018 23:02

Instrument :

MSVOA_N

ClientSampled :

VN1220WBS02

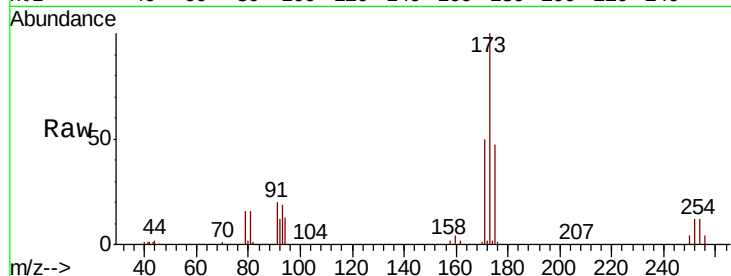
Tot Ion:173 Resp: 135552

Ion Ratio Lower Upper

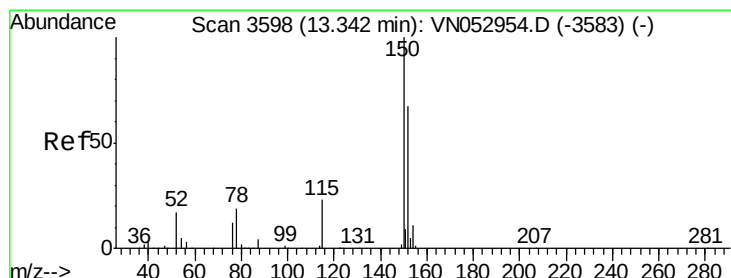
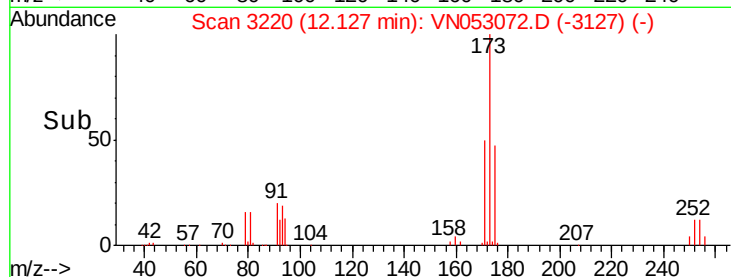
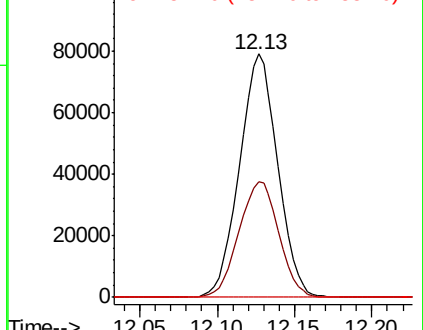
173 100

175 49.5 24.3 72.9

254 0.0 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN053072.D

Acq: 20 Dec 2018 23:02

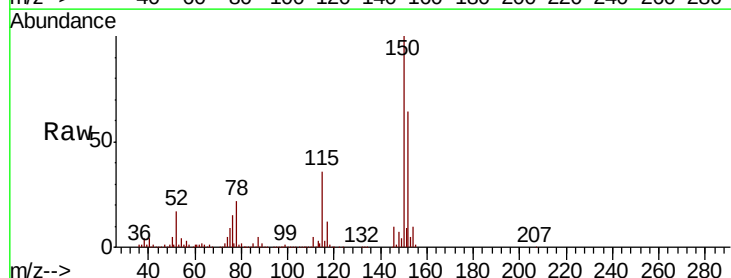
Tgt Ion:152 Resp: 576609

Ion Ratio Lower Upper

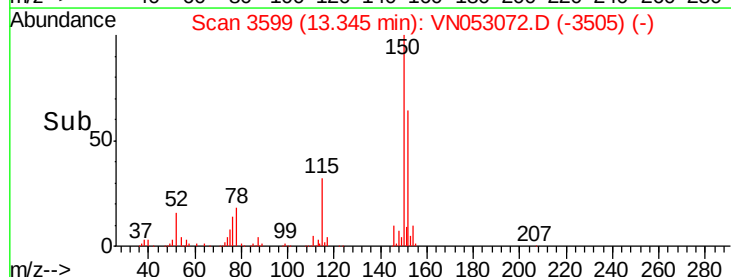
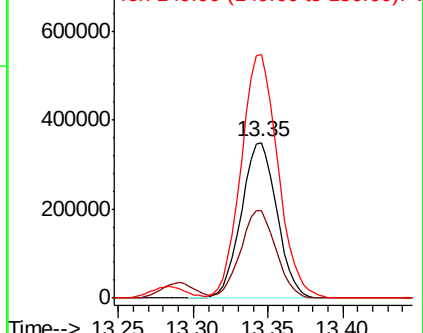
152 100

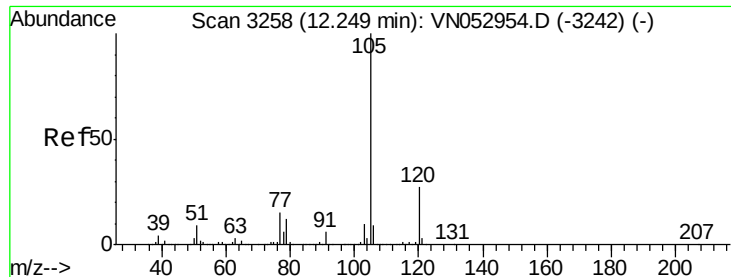
115 55.9 28.3 85.0

150 162.9 0.0 347.8



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





#73

Isopropylbenzene

Concen: 21.649 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN053072.D

Acq: 20 Dec 2018 23:02

Instrument :

MSVOA_N

ClientSampleId :

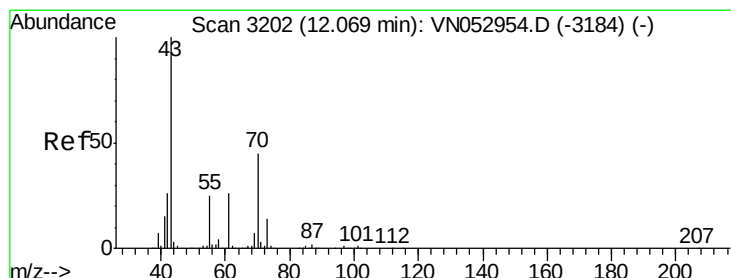
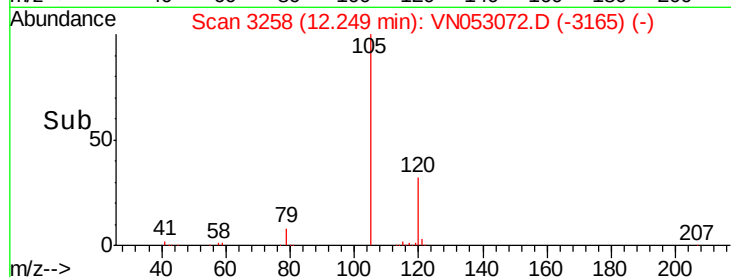
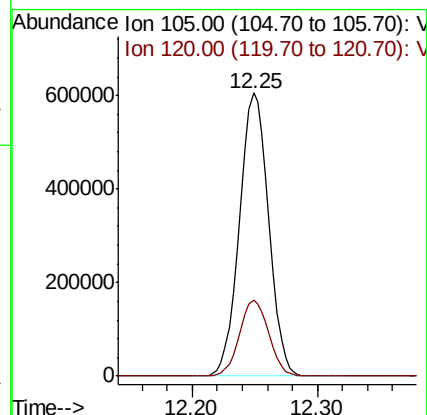
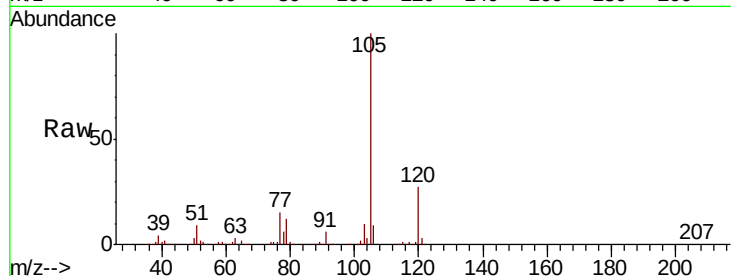
VN1220WBS02

Tot Ion:105 Resp: 976699

Ion Ratio Lower Upper

105 100

120 26.9 13.3 39.9



#74

N-ethyl acetate

Concen: 21.177 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN053072.D

Acq: 20 Dec 2018 23:02

Tgt Ion: 43 Resp: 265247

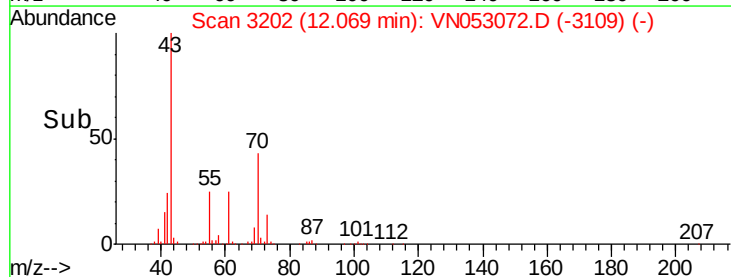
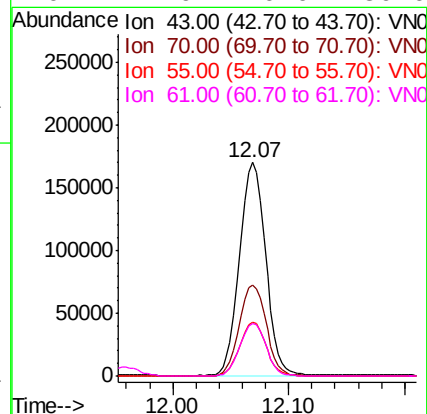
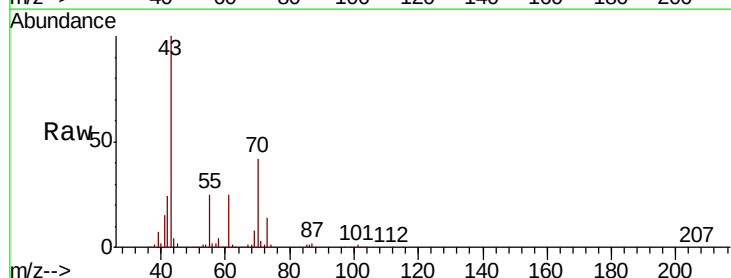
Ion Ratio Lower Upper

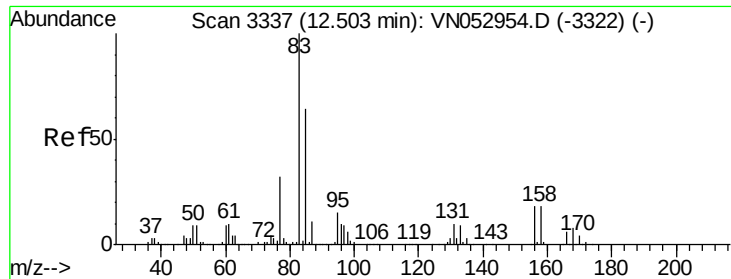
43 100

70 43.9 34.2 51.4

55 25.5 20.3 30.5

61 24.9 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 23.300 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN053072.D

Acq: 20 Dec 2018 23:02

Instrument :

MSVOA_N

ClientSampleId :

VN1220WBS02

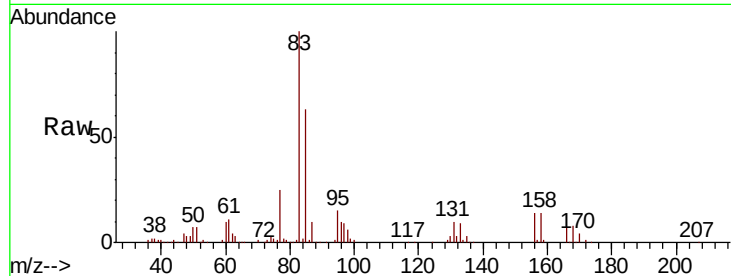
Tot Ion: 83 Resp: 206221

Ion Ratio Lower Upper

83 100

131 10.4 5.2 15.6

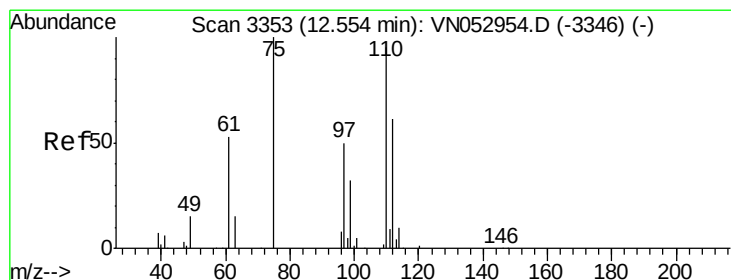
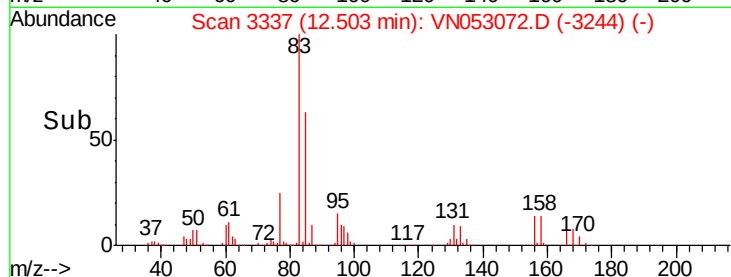
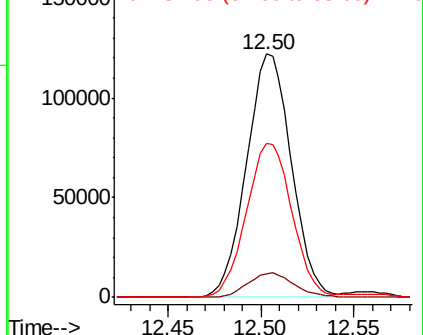
85 64.4 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 27.574 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN053072.D

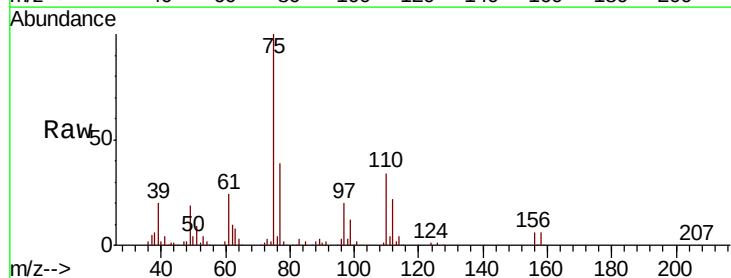
Acq: 20 Dec 2018 23:02

Tgt Ion: 75 Resp: 267652

Ion Ratio Lower Upper

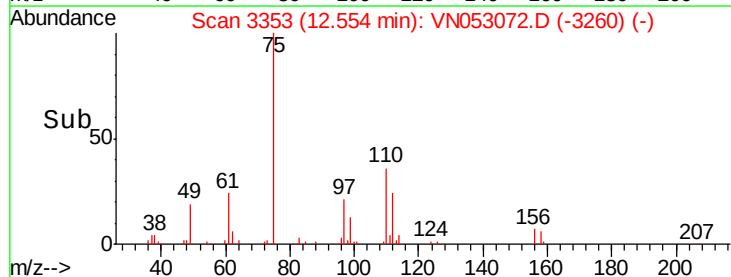
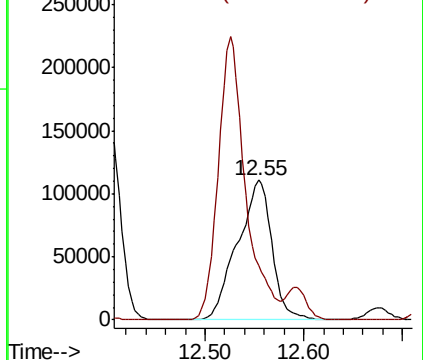
75 100

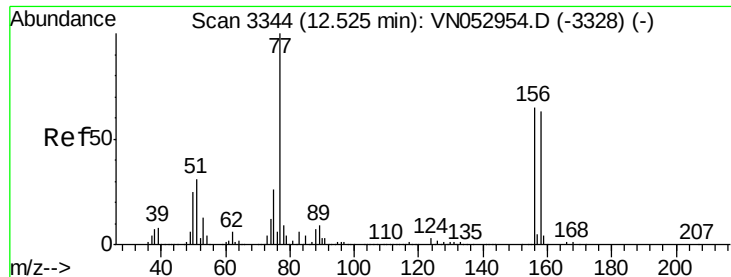
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 20.842 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN053072.D

Acq: 20 Dec 2018 23:02

Instrument :

MSVOA_N

ClientSampleId :

VN1220WBS02

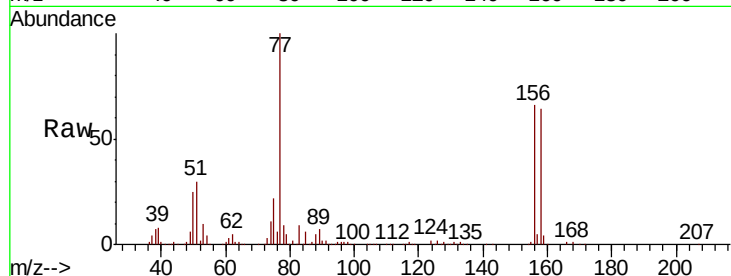
Tot Ion:156 Resp: 244421

Ion Ratio Lower Upper

156 100

77 179.0 91.3 273.8

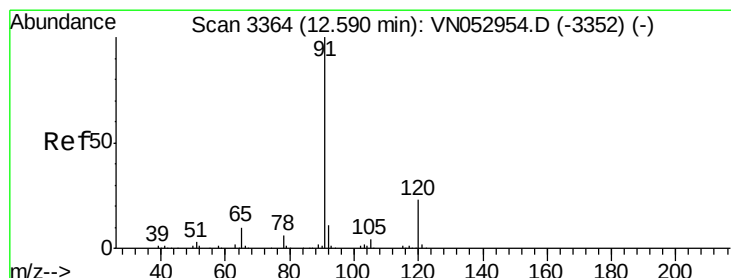
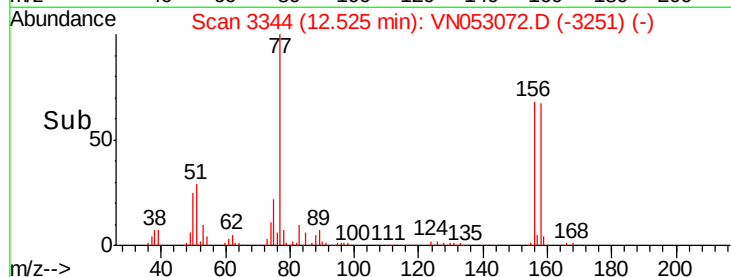
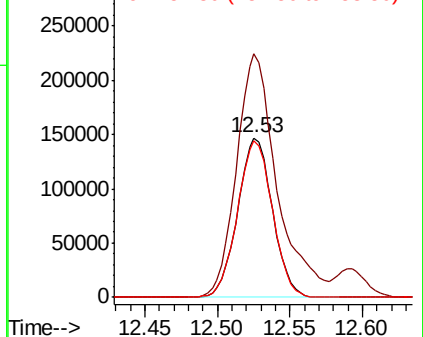
158 99.0 49.0 147.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.869 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN053072.D

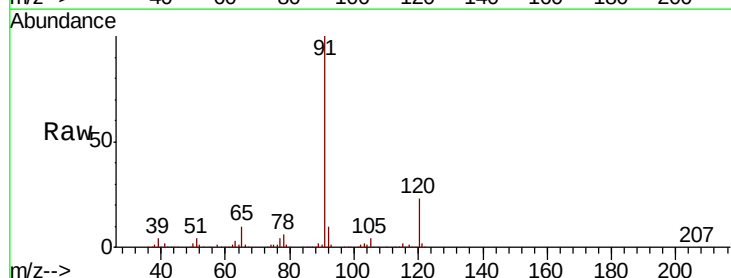
Acq: 20 Dec 2018 23:02

Tgt Ion: 91 Resp: 1072276

Ion Ratio Lower Upper

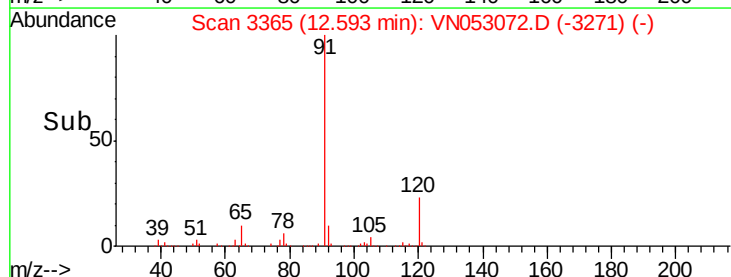
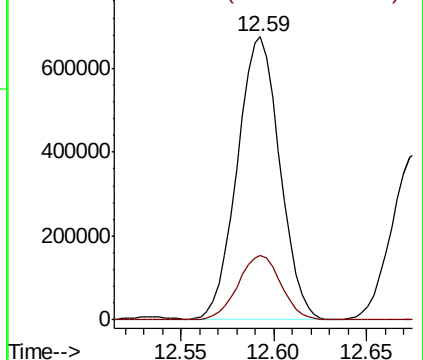
91 100

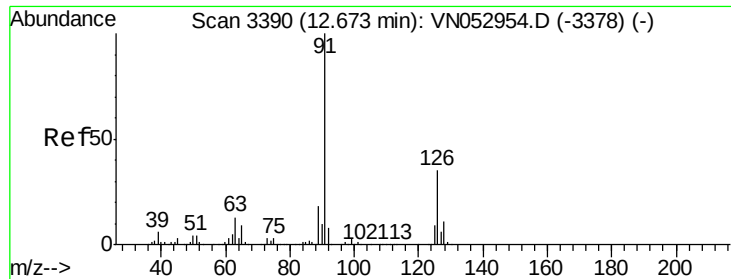
120 23.0 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

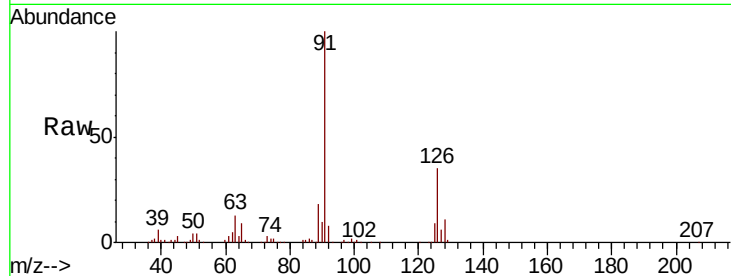




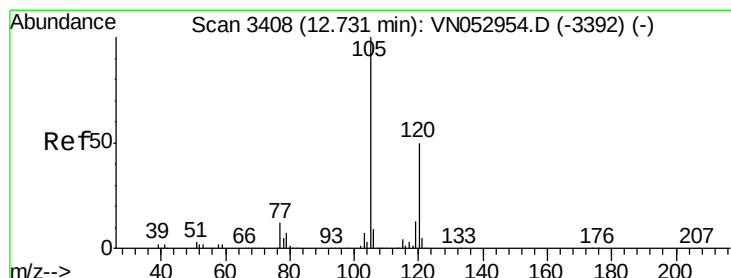
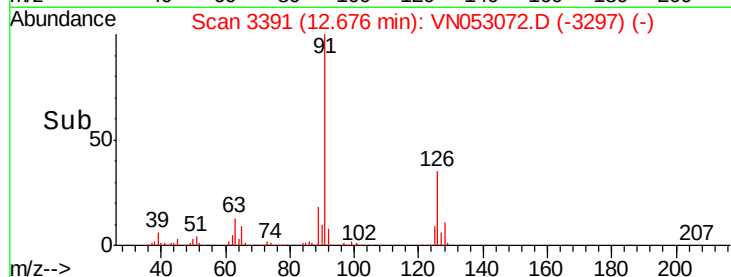
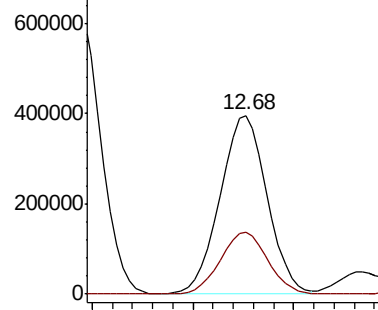
#79
 2-Chlorotoluene
 Concen: 20.232 ug/l
 RT: 12.68 min Scan# 3391
 Delta R.T. 0.00 min
 Lab File: VN053072.D
 Acq: 20 Dec 2018 23:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1220WBS02

Tot Ion: 91 Resp: 644356
 Ion Ratio Lower Upper
 91 100
 126 35.2 17.4 52.3

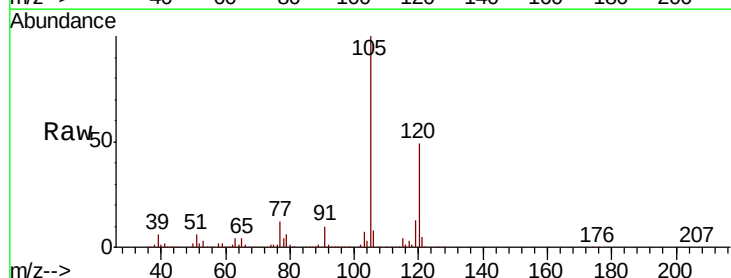


Abundance Ion 91.00 (90.70 to 91.70): VN052954.D (-3378) (-)
 Ion 125.90 (125.60 to 126.60): VN052954.D (-3378) (-)

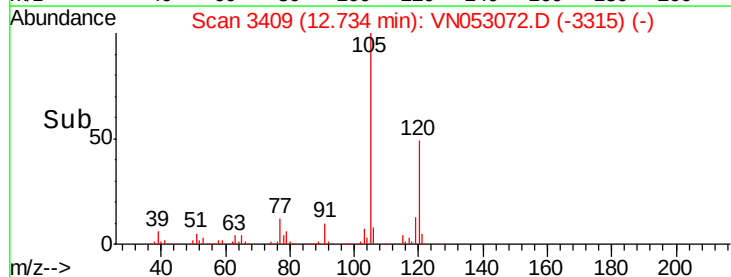
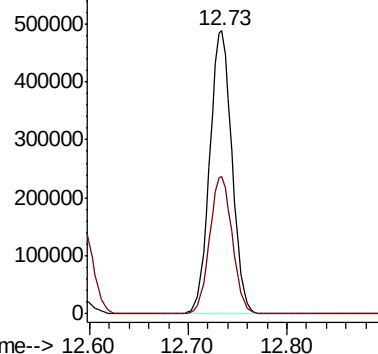


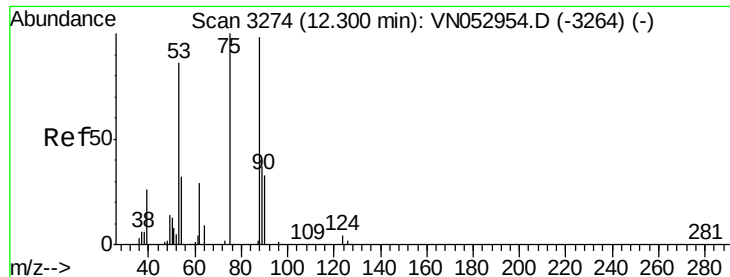
#80
 1,3,5-Trimethylbenzene
 Concen: 20.691 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN053072.D
 Acq: 20 Dec 2018 23:02

Tgt Ion: 105 Resp: 760855
 Ion Ratio Lower Upper
 105 100
 120 49.5 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): VN052954.D (-3392) (-)
 Ion 120.00 (119.70 to 120.70): VN052954.D (-3392) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 18.483 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN053072.D

Acq: 20 Dec 2018 23:02

Instrument :

MSVOA_N

ClientSampleId :

VN1220WBS02

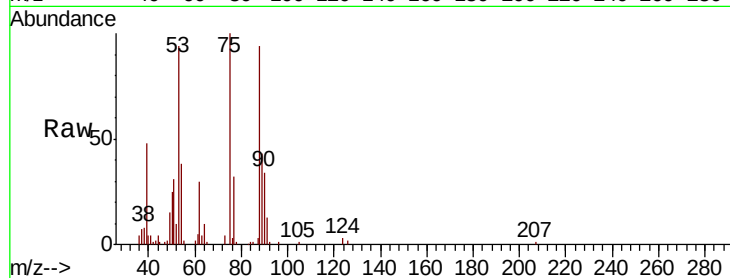
Tot Ion: 75 Resp: 55664

Ion Ratio Lower Upper

75 100

53 93.7 74.7 112.1

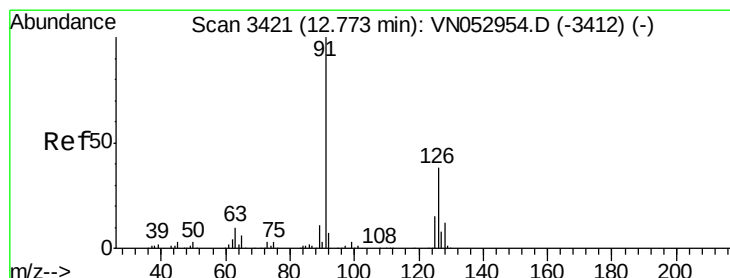
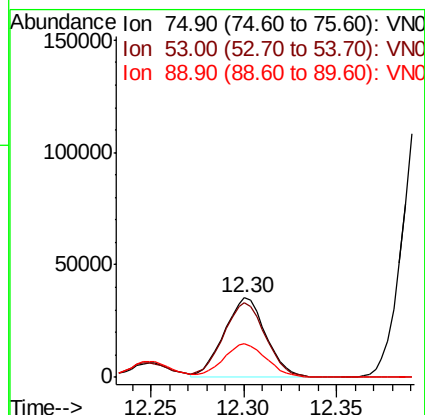
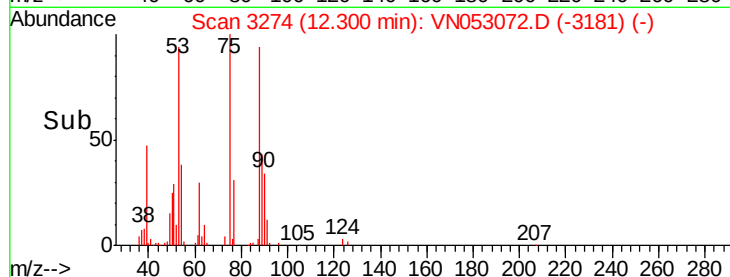
89 43.3 36.1 54.1



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 20.526 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN053072.D

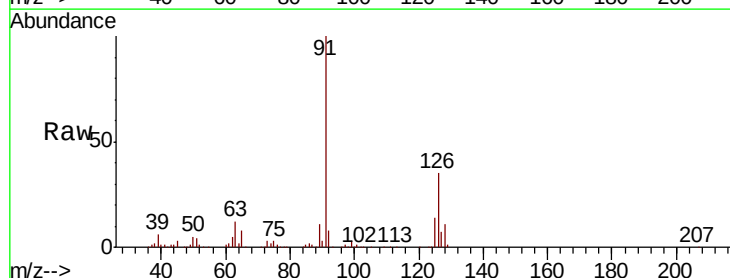
Acq: 20 Dec 2018 23:02

Tgt Ion: 91 Resp: 639944

Ion Ratio Lower Upper

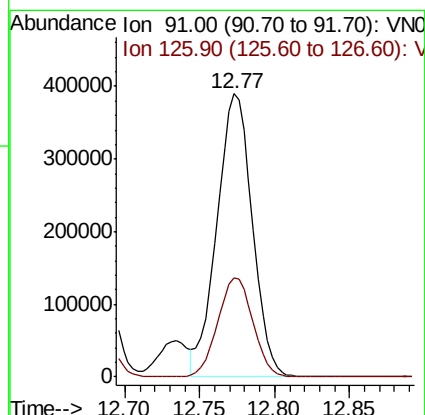
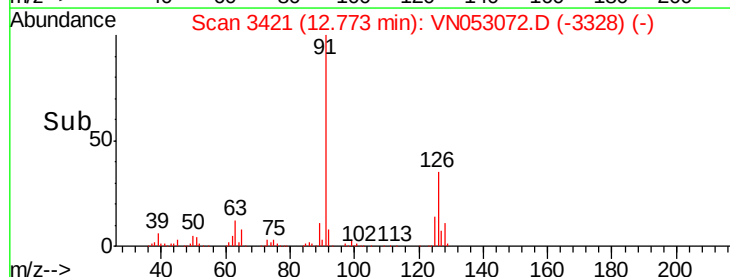
91 100

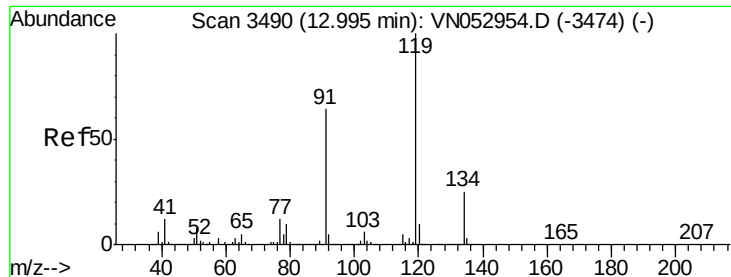
126 34.8 17.3 51.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

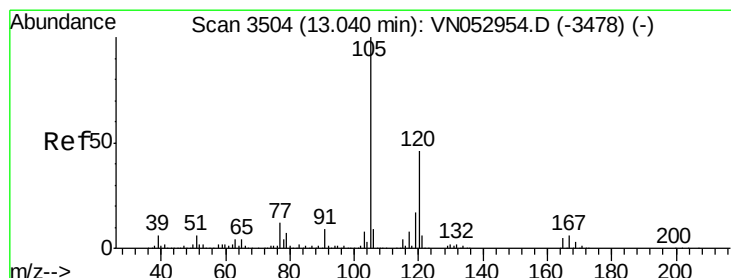
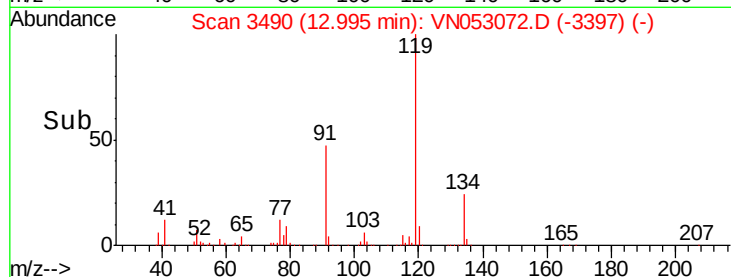
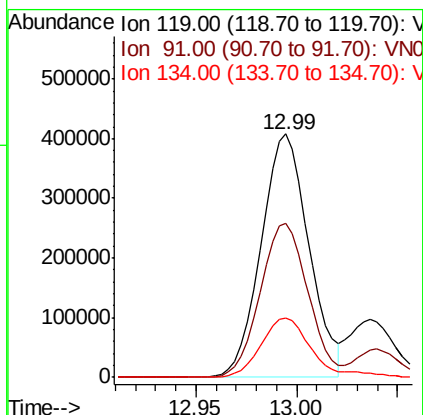
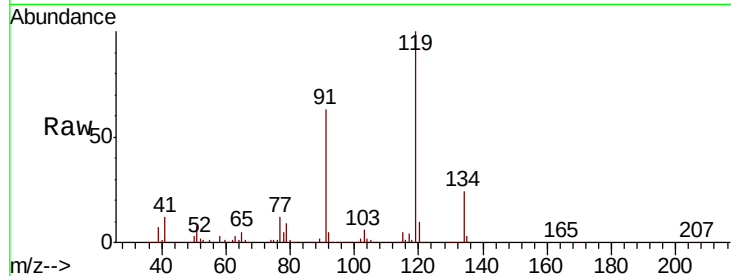




#83
 tert-Butylbenzene
 Concen: 20.687 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN053072.D
 Acq: 20 Dec 2018 23:02

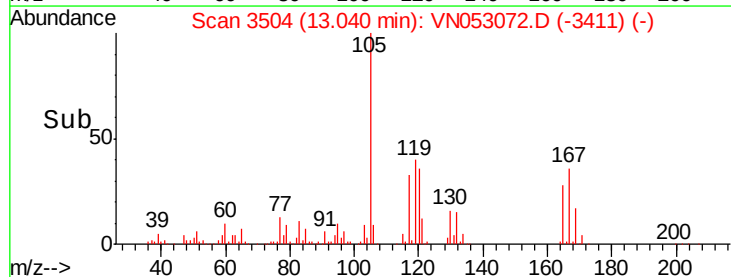
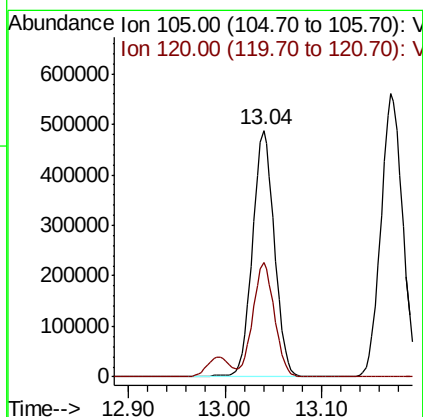
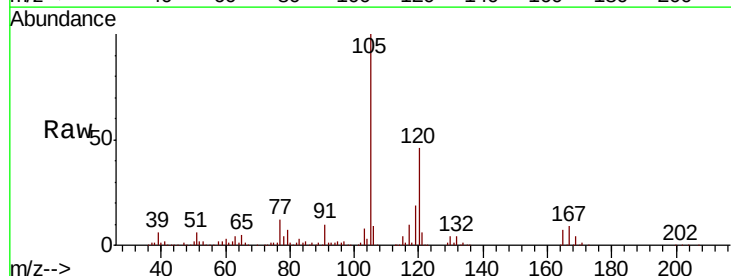
Instrument :
 MSVOA_N
 ClientSampled :
 VN1220WBS02

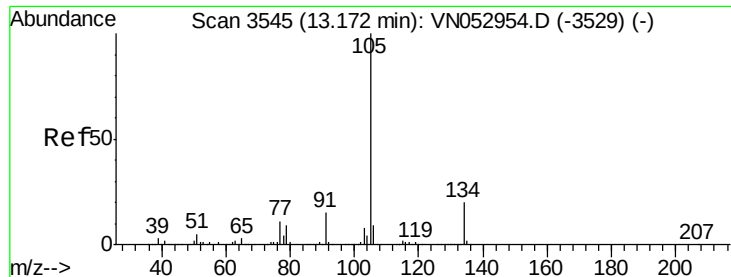
Tot Ion:119 Resp: 672770
 Ion Ratio Lower Upper
 119 100
 91 63.5 31.9 95.5
 134 25.9 12.8 38.4



#84
 1,2,4-Trimethylbenzene
 Concen: 20.703 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN053072.D
 Acq: 20 Dec 2018 23:02

Tgt Ion:105 Resp: 765307
 Ion Ratio Lower Upper
 105 100
 120 45.9 22.9 68.8





#85

sec-Butylbenzene

Concen: 19.871 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN053072.D

Acq: 20 Dec 2018 23:02

Instrument :

MSVOA_N

ClientSampleId :

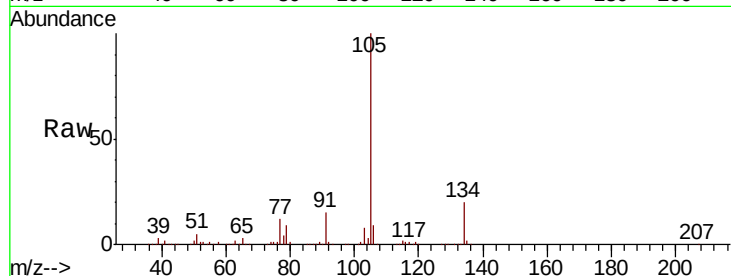
VN1220WBS02

Tot Ion:105 Resp: 874086

Ion Ratio Lower Upper

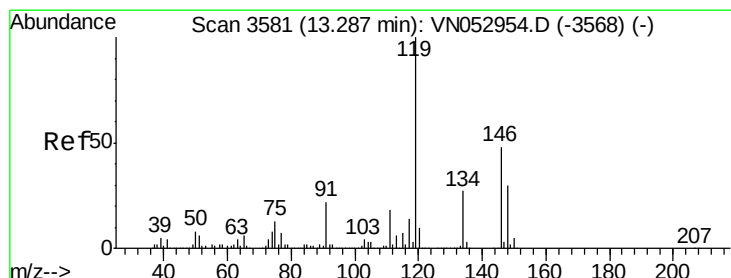
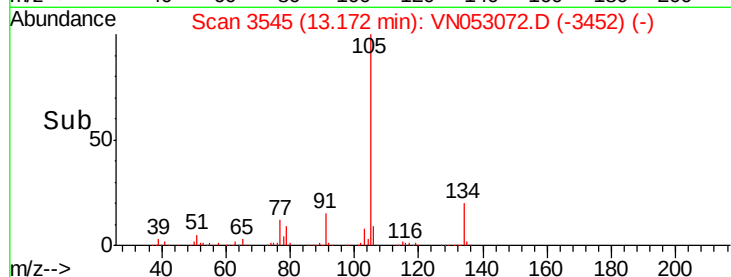
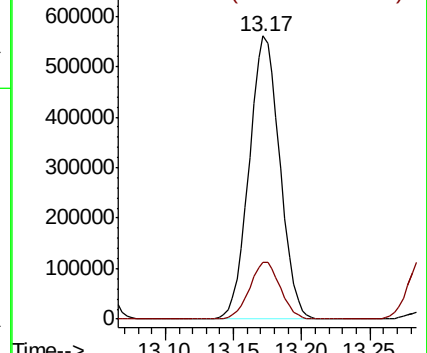
105 100

134 20.3 10.1 30.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.790 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053072.D

Acq: 20 Dec 2018 23:02

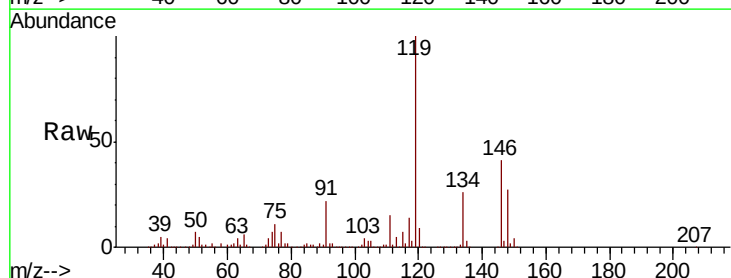
Tgt Ion:119 Resp: 752206

Ion Ratio Lower Upper

119 100

134 26.7 13.4 40.2

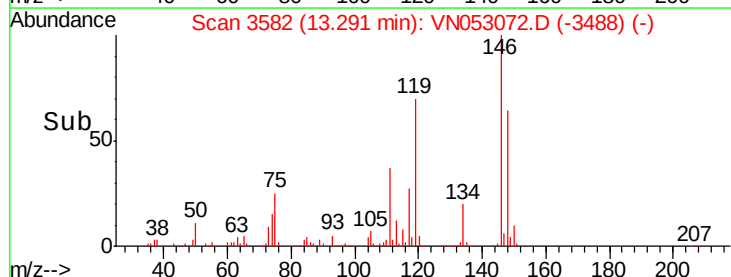
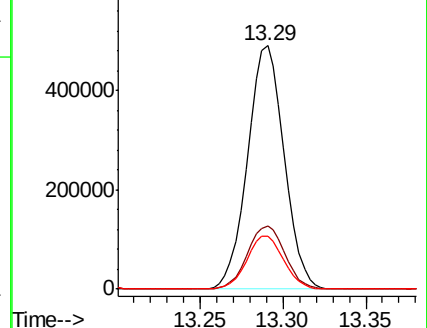
91 21.9 11.1 33.3

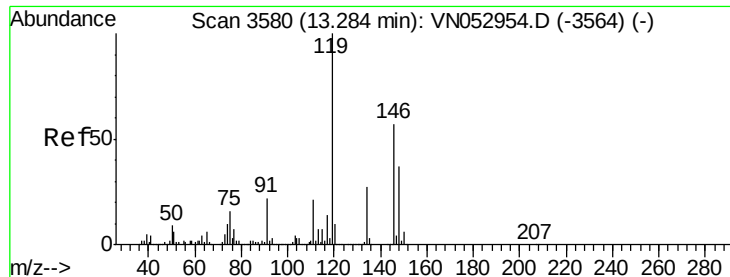


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 19.994 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN053072.D

Acq: 20 Dec 2018 23:02

Instrument :

MSVOA_N

ClientSampleId :

VN1220WBS02

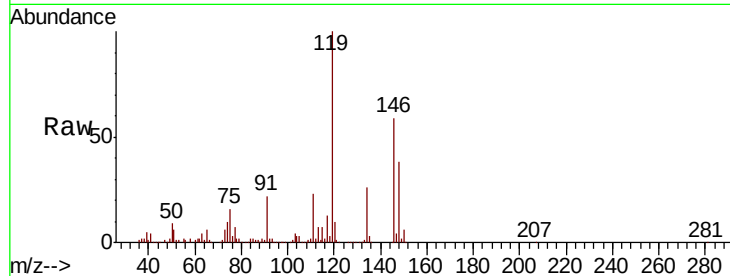
Tot Ion:146 Resp: 415000

Ion Ratio Lower Upper

146 100

111 38.0 19.1 57.1

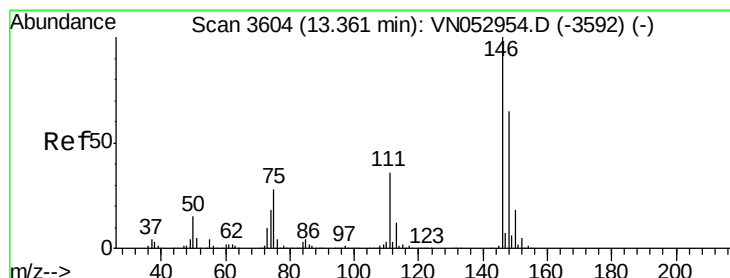
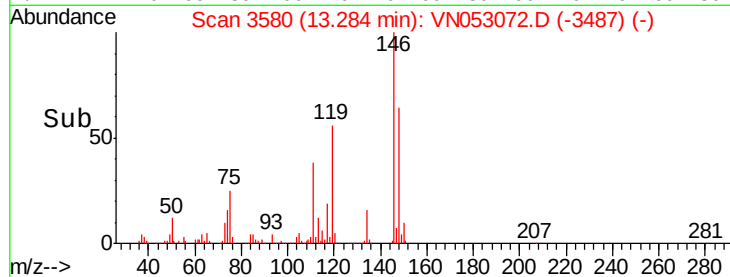
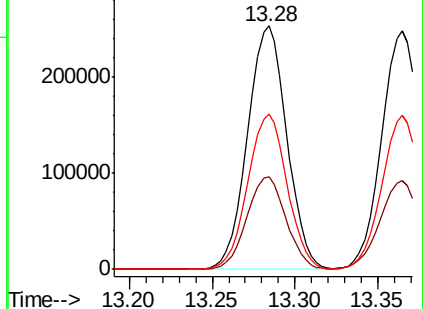
148 63.9 32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 19.371 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN053072.D

Acq: 20 Dec 2018 23:02

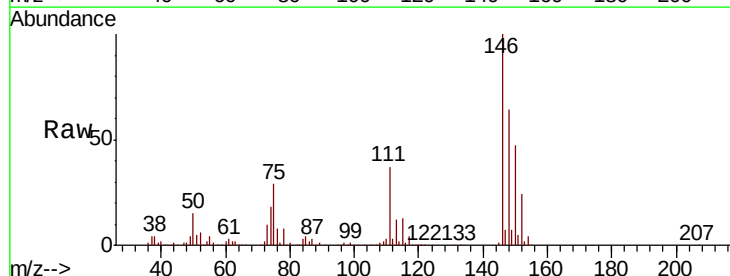
Tgt Ion:146 Resp: 407156

Ion Ratio Lower Upper

146 100

111 38.1 18.6 55.8

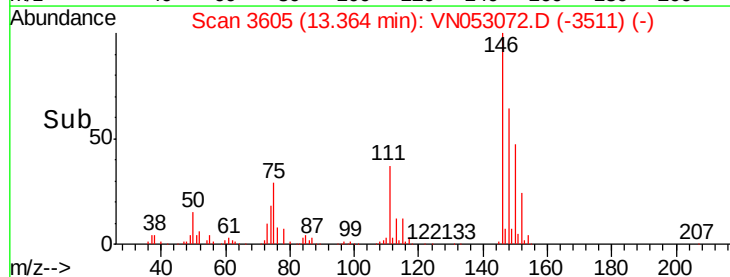
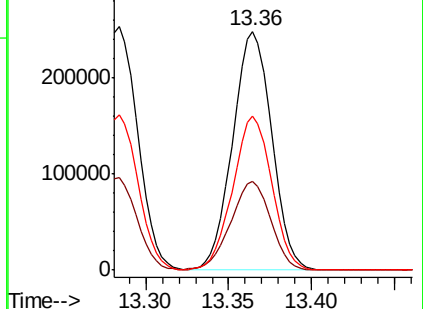
148 64.1 32.1 96.5

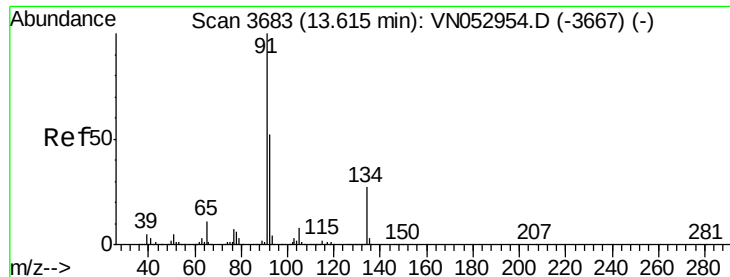


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

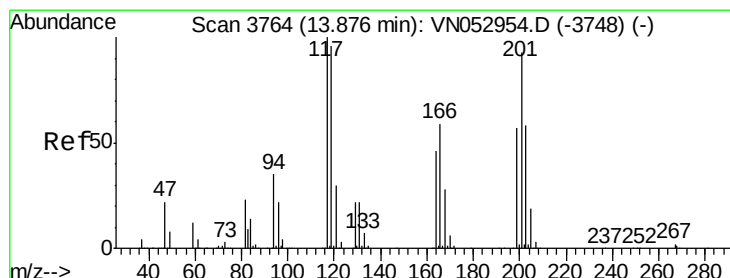
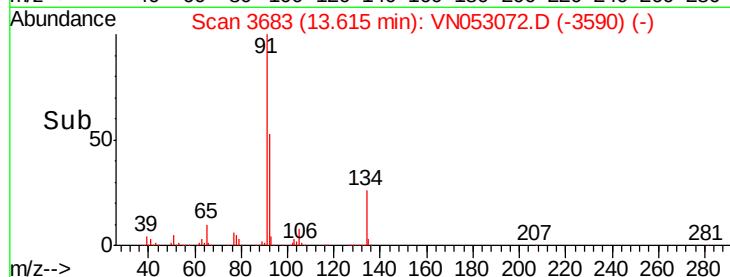
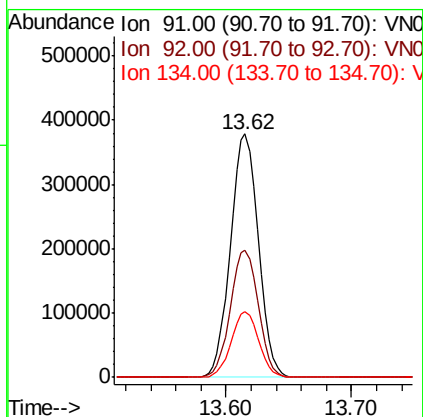
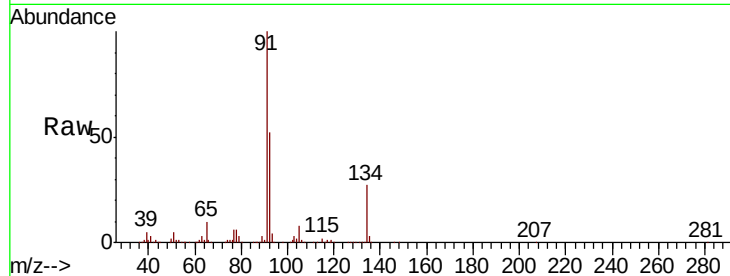




#89
n-Butylbenzene
Concen: 17.875 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN053072.D
Acq: 20 Dec 2018 23:02

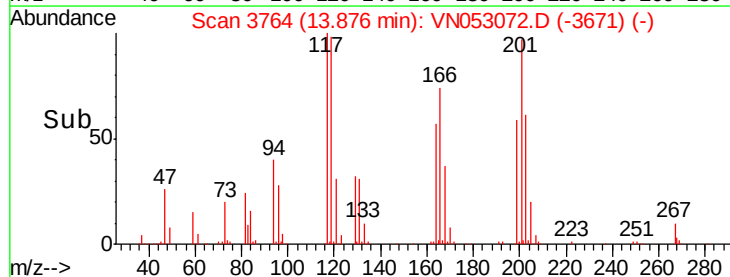
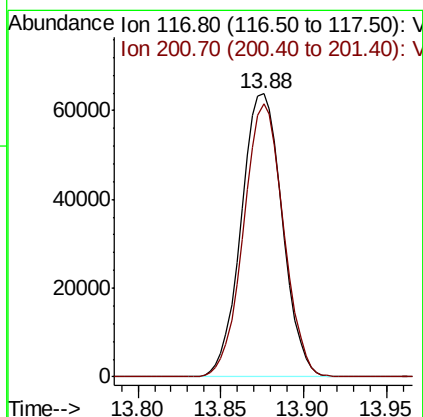
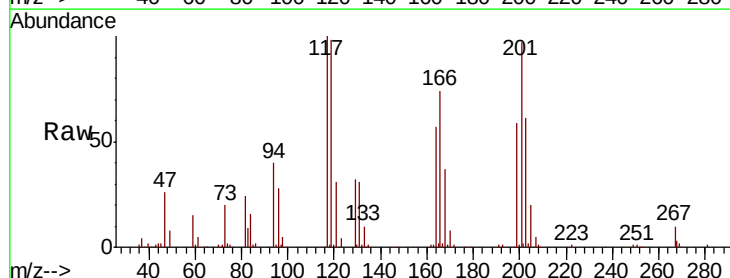
Instrument :
MSVOA_N
ClientSampled :
VN1220WBS02

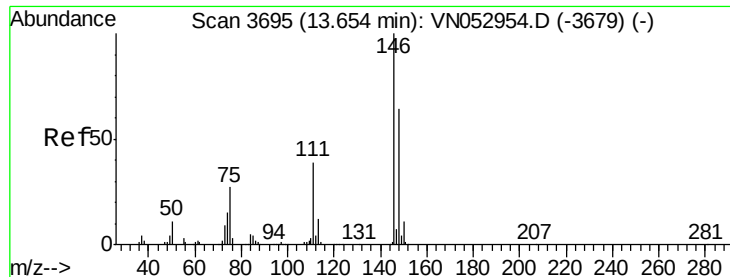
Tot Ion: 91 Resp: 584522
Ion Ratio Lower Upper
91 100
92 52.5 26.3 78.9
134 26.6 13.3 39.8



#90
Hexachloroethane
Concen: 18.894 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN053072.D
Acq: 20 Dec 2018 23:02

Tgt Ion: 117 Resp: 110210
Ion Ratio Lower Upper
117 100
201 93.6 45.7 137.1

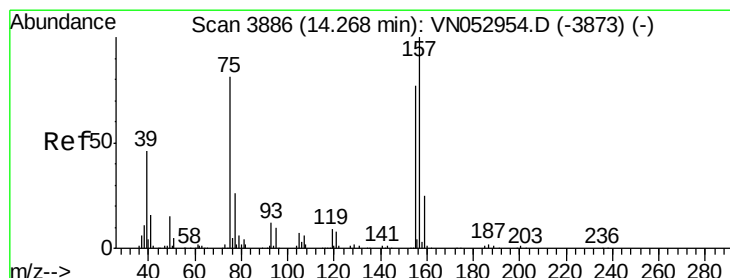
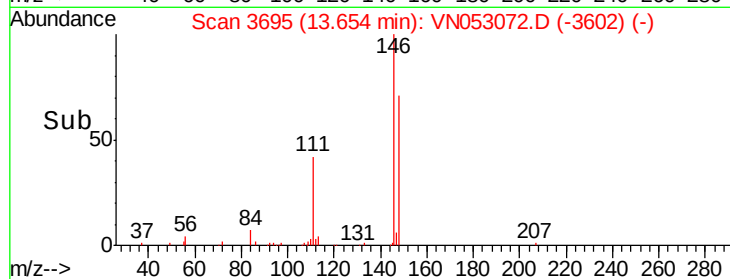
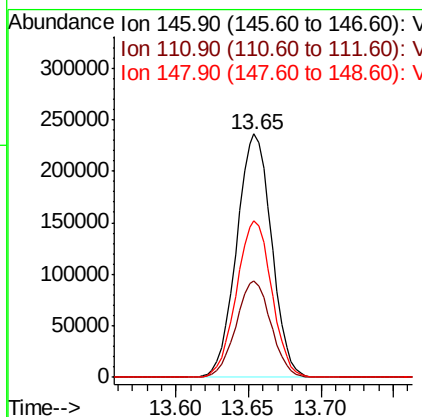
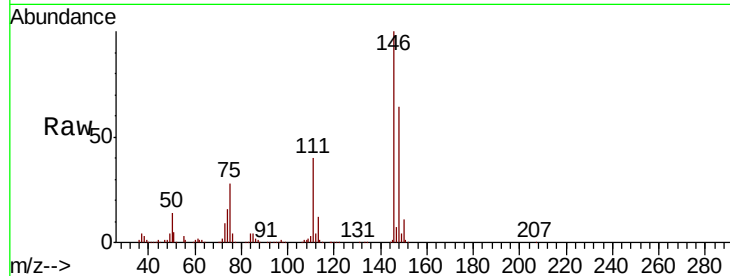




#91
 1,2-Dichlorobenzene
 Concen: 20.223 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN053072.D
 Acq: 20 Dec 2018 23:02

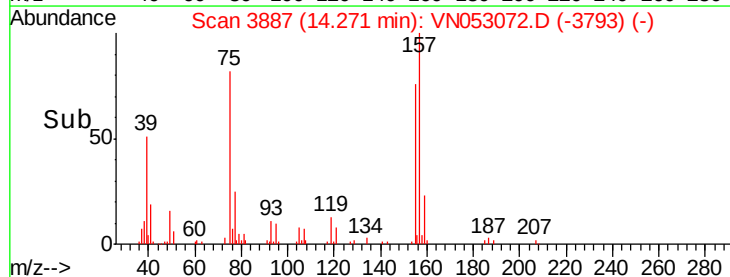
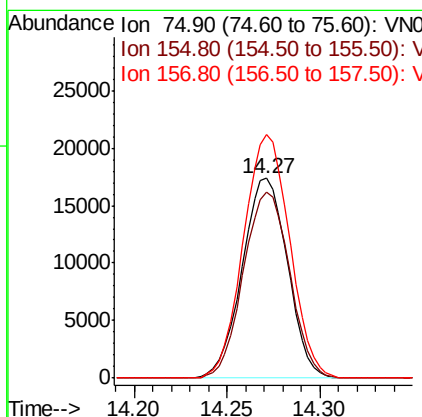
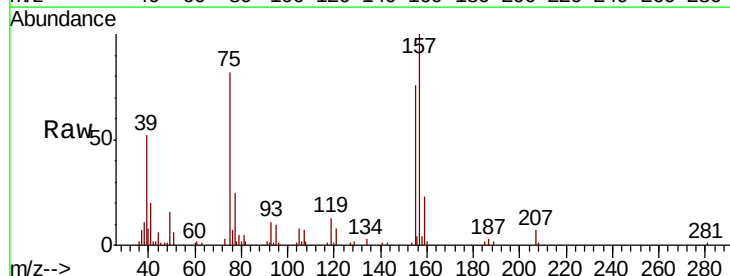
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1220WBS02

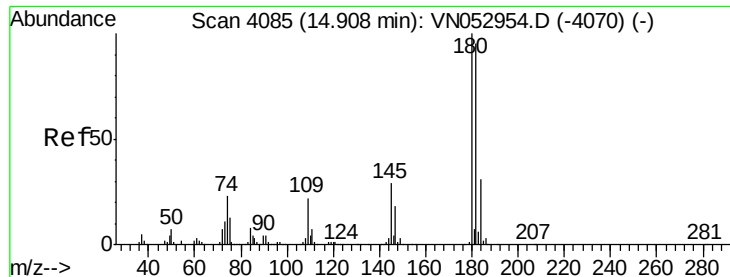
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.7	59.0
148	64.8	32.0	96.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.280 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN053072.D
 Acq: 20 Dec 2018 23:02

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.0	48.2	144.6
157	124.2	61.2	183.5

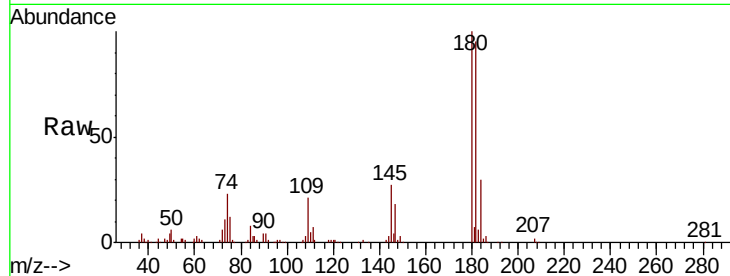




#93
 1,2,4-Trichlorobenzene
 Concen: 19.171 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN053072.D
 Acq: 20 Dec 2018 23:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1220WBS02

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.4	47.8	143.3
145	27.2	14.2	42.6

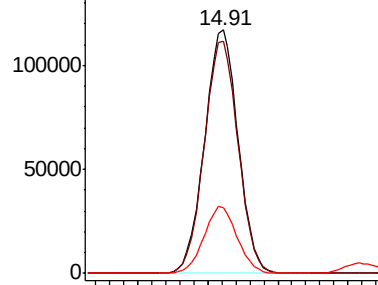


Abundance

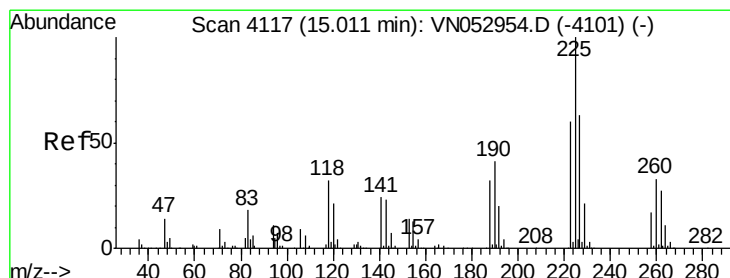
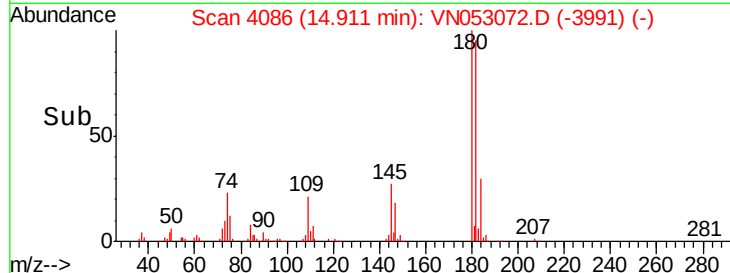
Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V

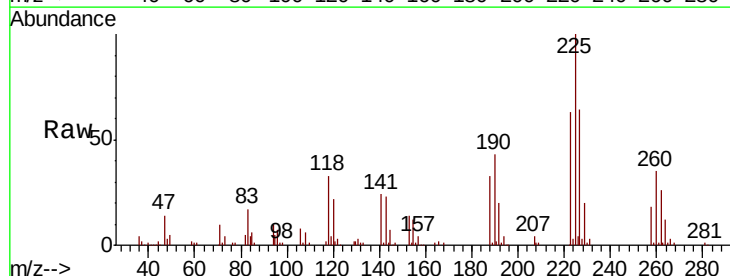


Time-->



#94
 Hexachlorobutadiene
 Concen: 20.028 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053072.D
 Acq: 20 Dec 2018 23:02

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.7	31.5	94.5
227	64.3	31.9	95.7

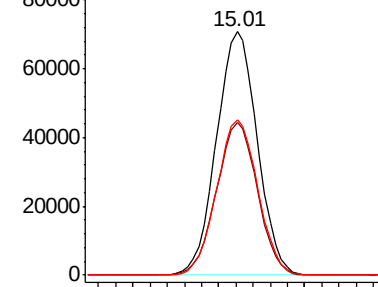


Abundance

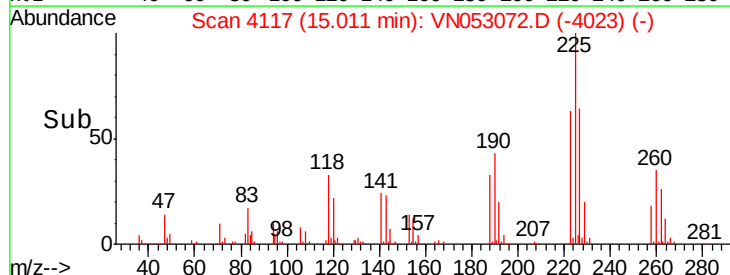
Ion 224.70 (224.40 to 225.40): V

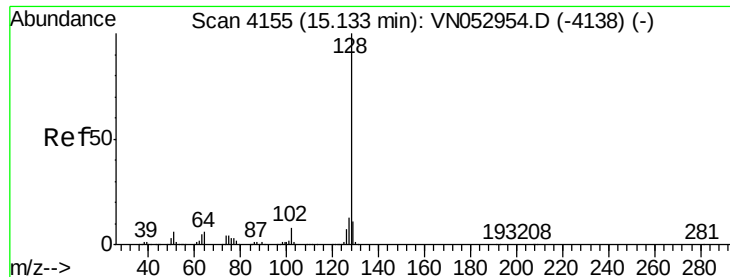
Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



Time-->

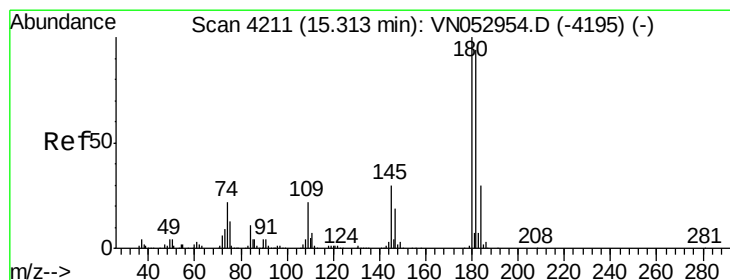
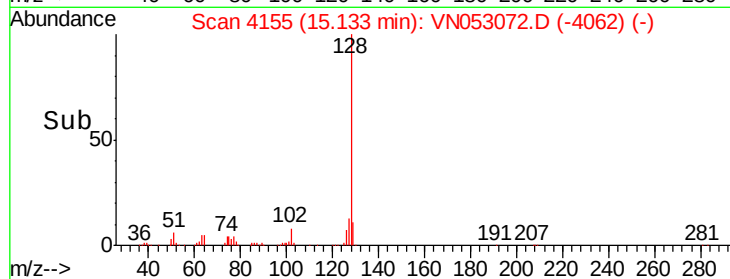
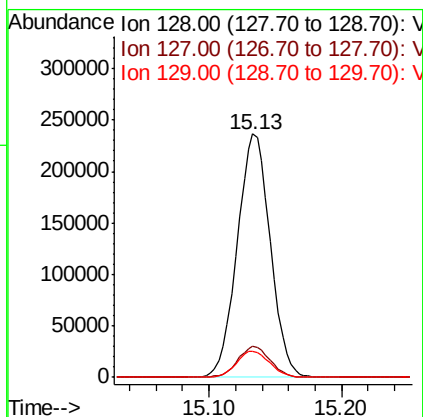
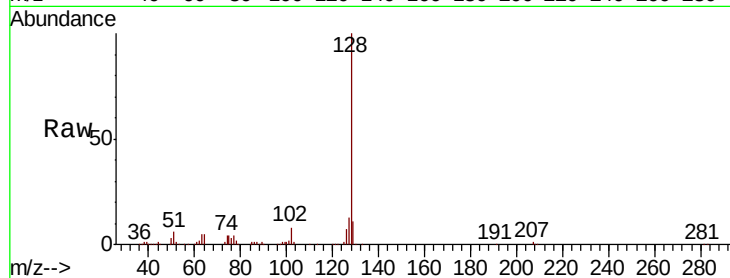




#95
Naphthalene
Concen: 18.724 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN053072.D
Acq: 20 Dec 2018 23:02

Instrument :
MSVOA_N
ClientSampleId :
VN1220WBS02

Tot Ion:128 Resp: 407837
Ion Ratio Lower Upper
128 100
127 12.6 10.2 15.4
129 10.9 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 19.609 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN053072.D
Acq: 20 Dec 2018 23:02

Tgt Ion:180 Resp: 179843
Ion Ratio Lower Upper
180 100
182 95.6 47.9 143.7
145 29.9 15.0 45.0

