

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102418\
 Data File : VN051983.D
 Acq On : 24 Oct 2018 13:07
 Operator : MD\SY
 Sample : VN1024WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1024WBSD02

Quant Time: Oct 25 01:23:56 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N101218W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 12 10:23:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	165762	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	919044	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	822558	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	289721	28.72	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	95.73%
60) 4-Bromofluorobenzene	12.40	95	340829	28.73	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	95.77%
63) Toluene-d8	10.09	98	1058606	29.64	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	135653	21.064	ug/l 97
3) Chloromethane	2.06	50	121676	17.877	ug/l 96
4) Vinyl Chloride	2.19	62	153087	15.062	ug/l 100
5) Bromomethane	2.57	94	157717	17.562	ug/l 84
6) Chloroethane	2.71	64	112461	15.353	ug/l 96
7) Trichlorofluoromethane	3.02	101	286721	19.786	ug/l 98
8) Diethyl Ether	3.42	74	83482	19.790	ug/l 70
9) 1,1,2-Trichlorotrifluoroet	3.76	101	175011	21.207	ug/l # 40
10) 1,1-Dichloroethene	3.74	96	153470	20.109	ug/l # 81
11) Methyl Iodide	3.96	142	255880	23.064	ug/l 92
12) Methyl Acetate	4.33	43	92976	19.619	ug/l 100
13) Acrolein	3.61	56	8035	25.733	ug/l # 53
14) Acrylonitrile	4.99	53	192971	91.106	ug/l # 61
15) Acetone	3.82	58	45234	86.391	ug/l 94
16) Carbon Disulfide	4.06	76	340988	17.013	ug/l 100
17) Allyl chloride	4.33	41	142442	15.721	ug/l 73
18) Methylene Chloride	4.56	84	178850	20.959	ug/l # 84
19) trans-1,2-Dichloroethene	5.05	96	171082	19.632	ug/l # 80
20) Diisopropyl ether	5.95	45	371608	18.415	ug/l # 83
21) 1,1-Dichloroethane	5.85	63	263448	18.684	ug/l 96
22) cis-1,2-Dichloroethene	6.83	96	202653	19.799	ug/l # 78
24) Methyl tert-Butyl Ether	5.05	73	400925	18.234	ug/l # 67
25) Chloroform	7.37	83	329347	19.688	ug/l 99
26) Cyclohexane	7.65	56	210636	17.621	ug/l # 65
29) 1,1-Dichloropropene	7.80	75	226425	19.113	ug/l 93
30) 2-Butanone	6.84	43	203290	82.102	ug/l # 84
31) 2,2-Dichloropropane	6.83	77	235553	16.902	ug/l # 74
32) 1,1,1-Trichloroethane	7.57	97	297569	18.946	ug/l 94
33) Carbon Tetrachloride	7.78	117	263430	18.539	ug/l 93
34) Benzene	8.04	78	697383	19.901	ug/l # 65
35) Methacrylonitrile	7.17	41	36986	11.369	ug/l # 72
36) 1,2-Dichloroethane	8.13	62	217673	19.386	ug/l 96
37) Trichloroethene	8.84	130	219605	20.188	ug/l 95
38) Methylcyclohexane	9.08	83	275781	18.150	ug/l 77
39) 1,2-Dichloropropane	9.12	63	160491	19.448	ug/l 96
40) Dibromomethane	9.21	93	120620	19.694	ug/l 92
41) Bromodichloromethane	9.40	83	230747	18.239	ug/l 94

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 ClientSampleId :
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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Vinyl Acetate	5.90	43	1222572	87.711	ug/l #	89
43) Ethyl Acetate	6.93	43	93167	17.329	ug/l	96
44) Isopropyl Acetate	8.17	43	183438	17.082	ug/l	97
45) 1,4-Dioxane	9.20	88	23503	272.567	ug/l #	75
46) Methyl methacrylate	9.20	41	87373	17.639	ug/l	72
47) n-amyl Acetate	12.07	43	172761	19.217	ug/l #	72
48) t-1,3-Dichloropropene	10.38	75	209125	16.951	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	245123	18.024	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	169729	20.057	ug/l	92
51) Ethyl methacrylate	10.43	69	180105	18.590	ug/l	86
52) 1,3-Dichloropropane	10.71	76	250808	19.203	ug/l	99
53) Dibromochloromethane	10.90	129	176989	16.906	ug/l	95
54) 1,2-Dibromoethane	11.01	107	168901	19.015	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	477912	115.389	ug/l #	90
56) Bromoform	12.13	173	97042	14.055	ug/l #	94
58) 4-Methyl-2-Pentanone	9.99	43	493243	89.607	ug/l #	85
59) 2-Hexanone	10.75	43	324220	87.307	ug/l #	89
61) Tetrachloroethene	10.63	164	204589	19.449	ug/l	98
62) Toluene	10.16	91	819544	20.056	ug/l	99
64) Chlorobenzene	11.43	112	545069	20.367	ug/l	96
65) 1,1,1,2-Tetrachloroethane	11.51	131	195980	19.079	ug/l	99
66) Ethyl Benzene	11.51	91	882295	19.536	ug/l	98
67) m/p-Xylenes	11.62	106	717549	39.189	ug/l	95
68) o-Xylene	11.95	106	346477	19.195	ug/l	87
69) Styrene	11.96	104	540090	19.502	ug/l	95
70) Isopropylbenzene	12.25	105	922336	19.162	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	159068	16.734	ug/l	96
72) 1,2,3-Trichloropropane	12.55	75	192488	25.740	ug/l	84
73) Bromobenzene	12.53	156	234941	19.705	ug/l	79
74) n-propylbenzene	12.59	91	988673	19.095	ug/l	94
75) 2-Chlorotoluene	12.67	91	569523	18.763	ug/l	91
76) 1,3,5-Trimethylbenzene	12.73	105	724277	18.196	ug/l	97
77) t-1,4-Dichloro-2-butene	12.30	75	32071	12.967	ug/l	86
78) 4-Chlorotoluene	12.77	91	576476	19.330	ug/l	90
79) tert-butylbenzene	12.99	119	664463	18.152	ug/l	94
80) 1,2,4-Trimethylbenzene	13.04	105	718647	18.065	ug/l	95
81) sec-Butylbenzene	13.17	105	873579	18.243	ug/l	97
82) p-Isopropyltoluene	13.29	119	770596	17.984	ug/l	96
83) 1,3-Dichlorobenzene	13.28	146	400883	19.055	ug/l	98
84) 1,4-Dichlorobenzene	13.36	146	387268	19.554	ug/l	98
85) n-Butylbenzene	13.61	91	572923	17.731	ug/l	94
86) Hexachloroethane	13.88	117	102396	13.859	ug/l	95
87) 1,2-Dichlorobenzene	13.65	146	360842	17.717	ug/l	95
88) 1,2-Dibromo-3-Chloropropan	14.27	75	17251	12.152	ug/l #	72
89) 1,2,4-Trichlorobenzene	14.91	180	117200	16.446	ug/l	100
90) Hexachlorobutadiene	15.01	225	86952	13.248	ug/l	97
91) Naphthalene	15.13	128	220948	16.465	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	89117	9.617	ug/l	95

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QLast Update : Fri Oct 12 10:23:44 2018
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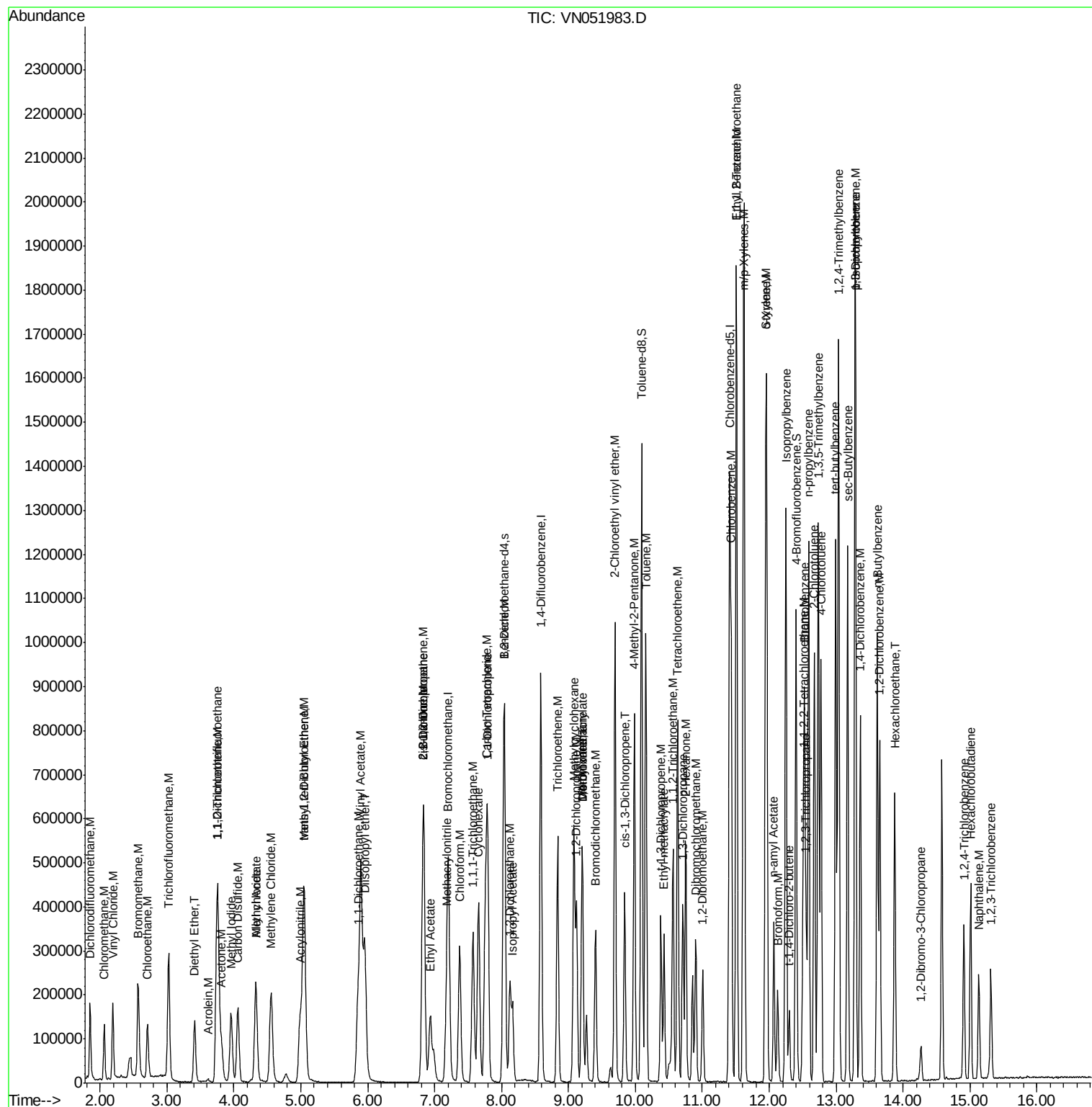
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

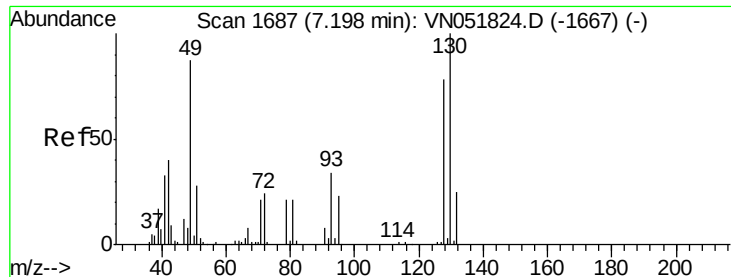
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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Quant Time: Oct 25 01:17:21 2018
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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Oct 12 10:23:44 2018
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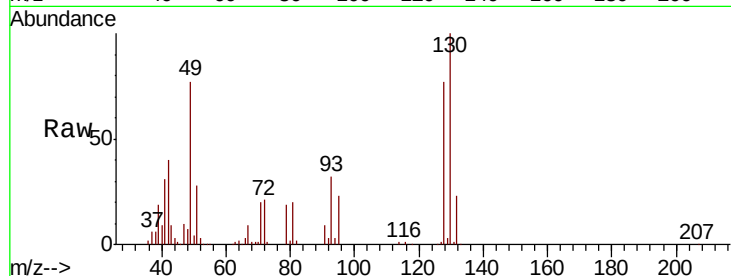




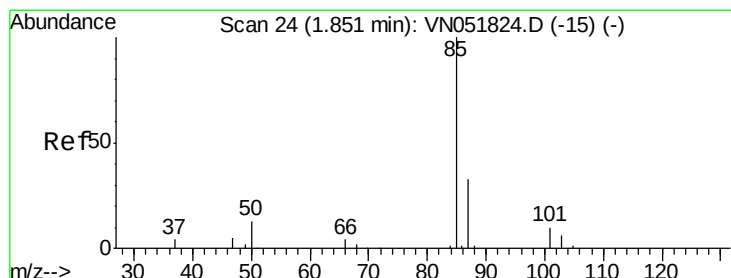
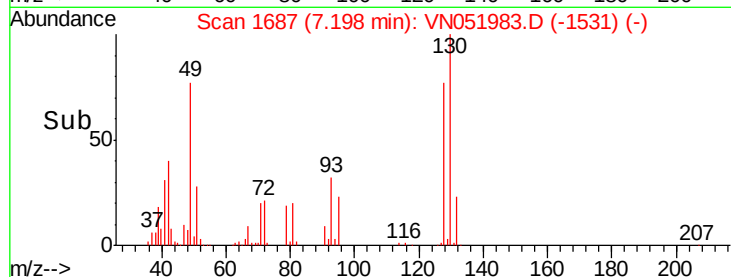
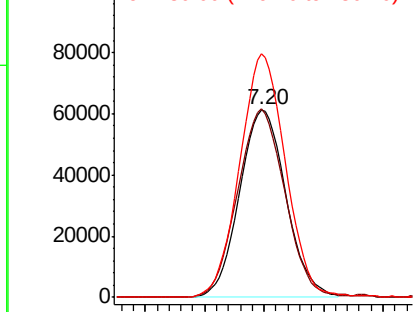
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN051983.D
Acq: 24 Oct 2018 13:07

Instrument :
MSVOA_N
ClientSampleId :
VN1024WBSD02

Tot Ion:128 Resp: 165762
Ion Ratio Lower Upper
128 100
49 102.2 0.0 403.3
130 127.9 0.0 326.0

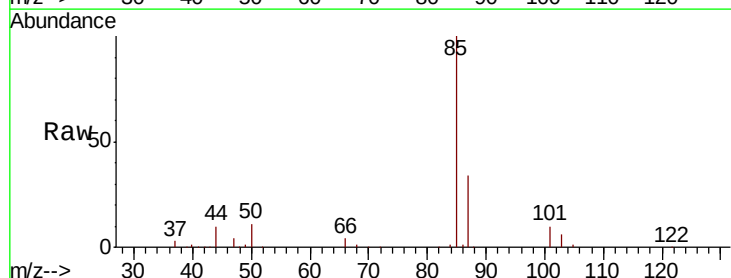


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VN
Ion 130.00 (129.70 to 130.70): V

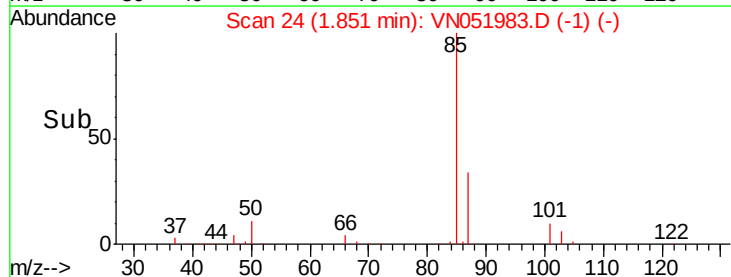
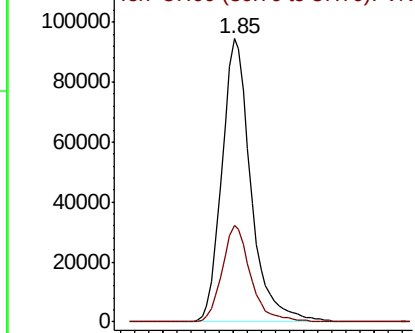


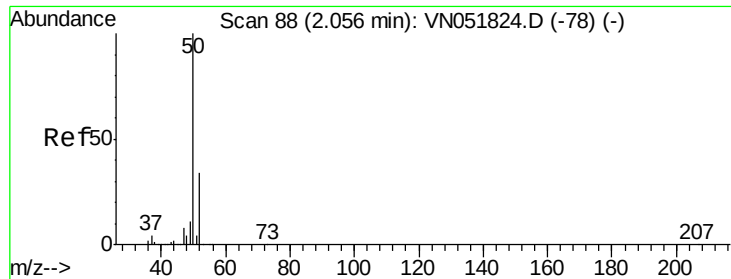
#2
Dichlorodifluoromethane
Concen: 21.064 ug/l
RT: 1.85 min Scan# 24
Delta R.T. 0.00 min
Lab File: VN051983.D
Acq: 24 Oct 2018 13:07

Tgt Ion: 85 Resp: 135653
Ion Ratio Lower Upper
85 100
87 34.1 16.3 48.8



Abundance Ion 85.00 (84.70 to 85.70): VN
Ion 87.00 (86.70 to 87.70): VN





#3

Chloromethane

Concen: 17.877 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN051983.D

Acq: 24 Oct 2018 13:07

Instrument :

MSVOA_N

ClientSampleId :

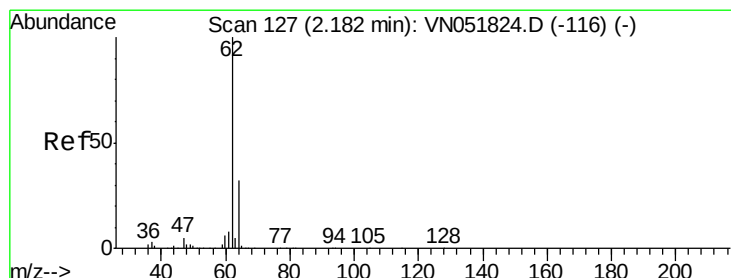
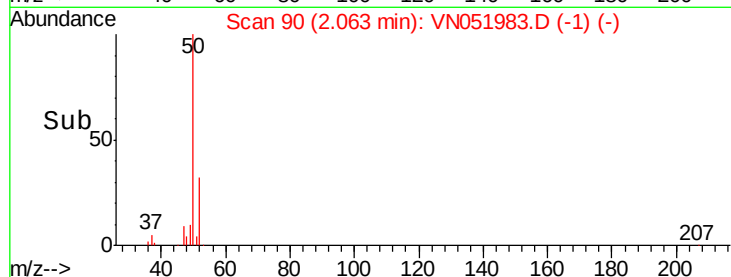
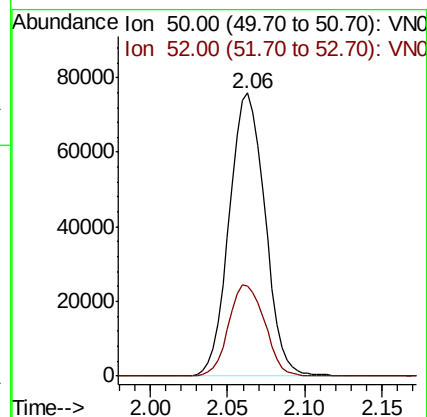
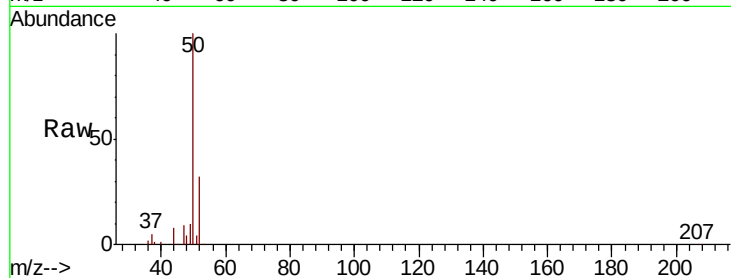
VN1024WBSD02

Tot Ion: 50 Resp: 121676

Ion Ratio Lower Upper

50 100

52 32.0 27.2 40.8



#4

Vinyl Chloride

Concen: 15.062 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.01 min

Lab File: VN051983.D

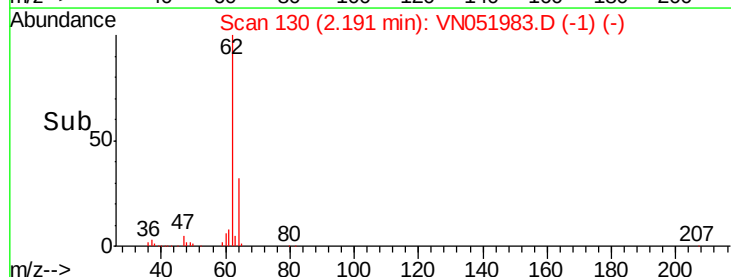
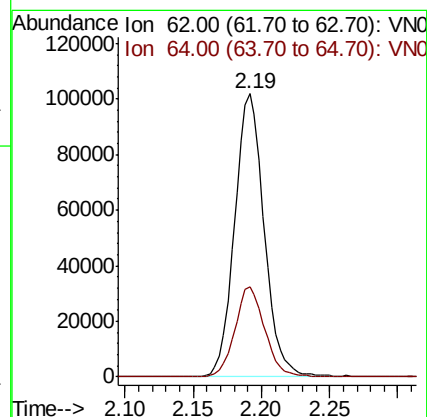
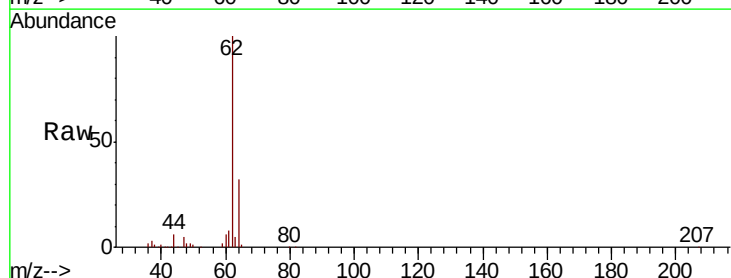
Acq: 24 Oct 2018 13:07

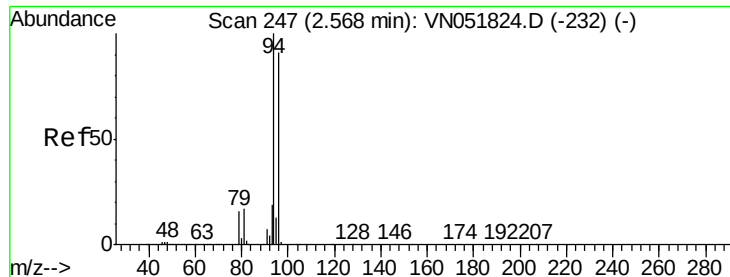
Tgt Ion: 62 Resp: 153087

Ion Ratio Lower Upper

62 100

64 32.0 25.4 38.2





#5

Bromomethane

Concen: 17.562 ug/l

RT: 2.57 min Scan# 247

Delta R.T. 0.00 min

Lab File: VN051983.D

Acq: 24 Oct 2018 13:07

Instrument :

MSVOA_N

ClientSampleId :

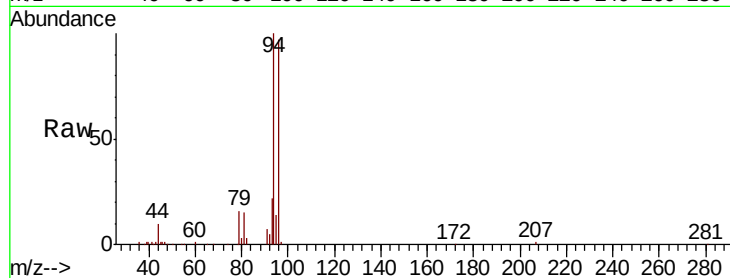
VN1024WBSD02

Tot Ion: 94 Resp: 157717

Ion Ratio Lower Upper

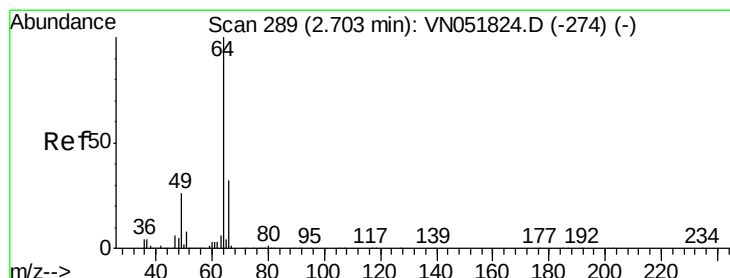
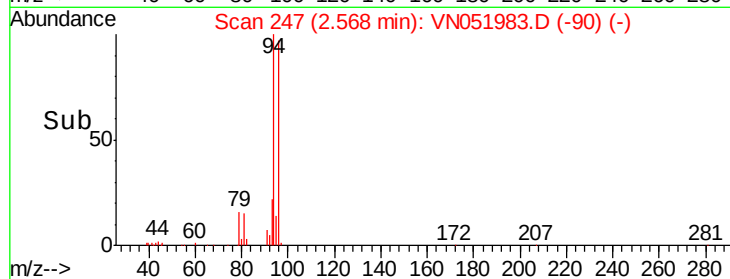
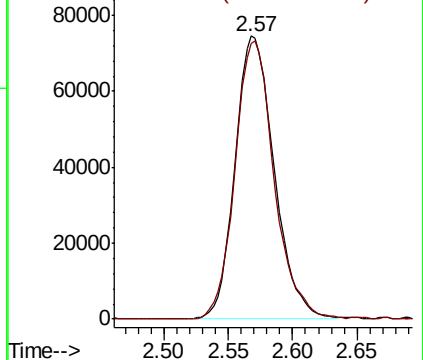
94 100

96 97.5 66.4 99.6



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 15.353 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.01 min

Lab File: VN051983.D

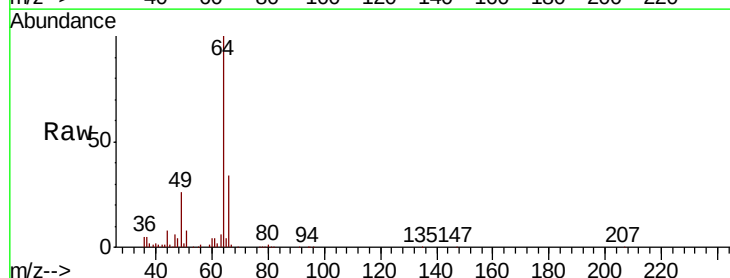
Acq: 24 Oct 2018 13:07

Tgt Ion: 64 Resp: 112461

Ion Ratio Lower Upper

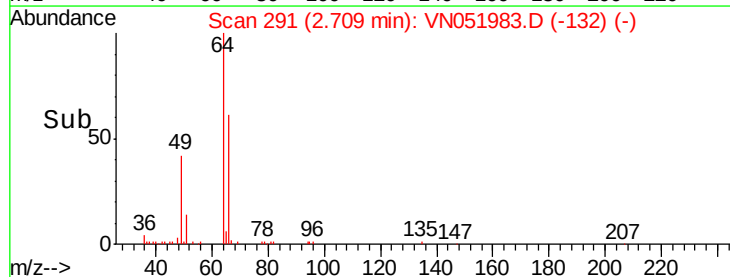
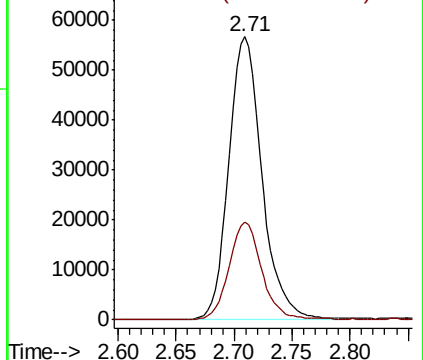
64 100

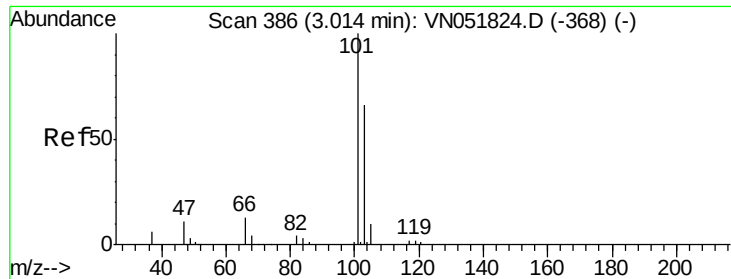
66 34.5 25.8 38.6



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0



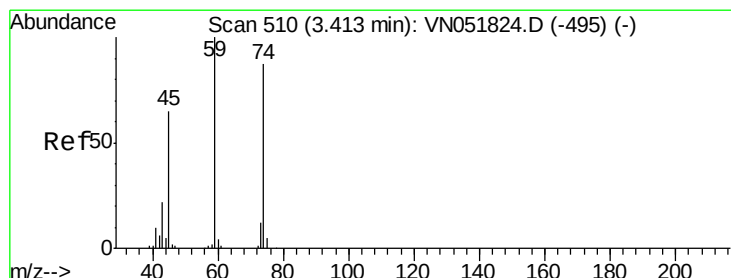
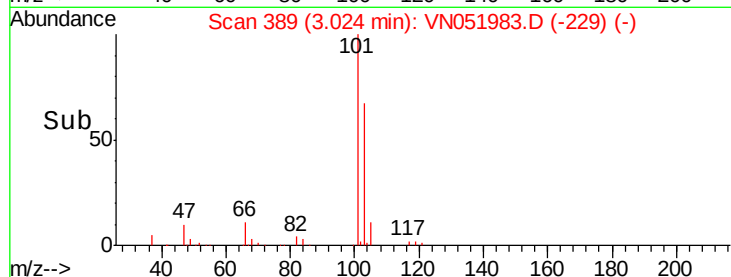
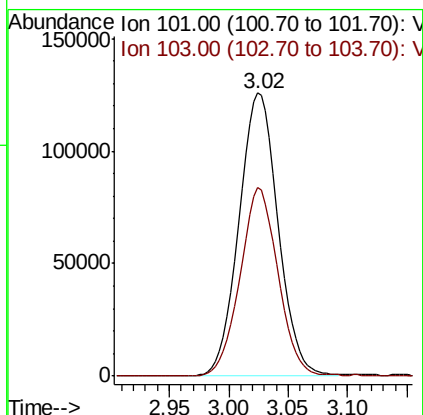
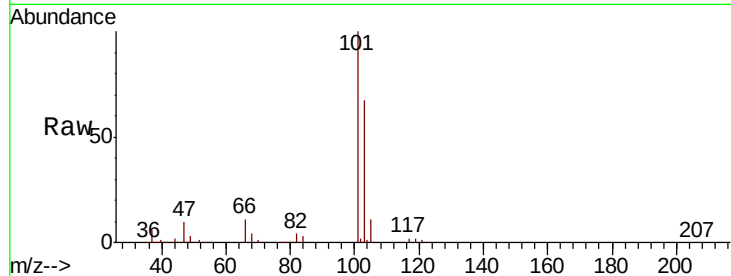


#7

Trichlorofluoromethane
 Concen: 19.786 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.01 min
 Lab File: VN051983.D
 Acq: 24 Oct 2018 13:07

Instrument :
 MSVOA_N
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 VN1024WBSD02

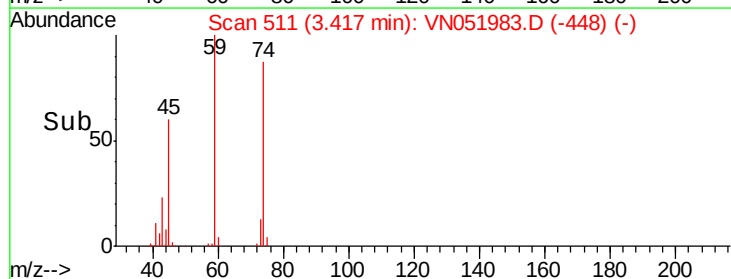
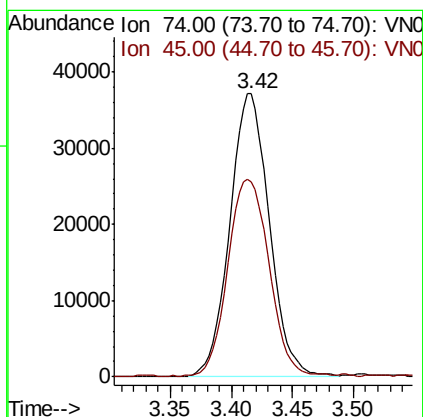
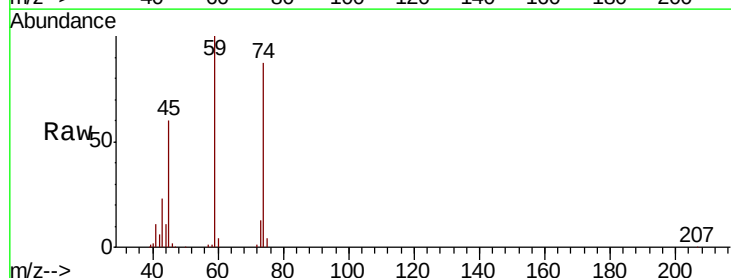
Tot Ion:101 Resp: 286721
 Ion Ratio Lower Upper
 101 100
 103 66.7 54.8 82.2

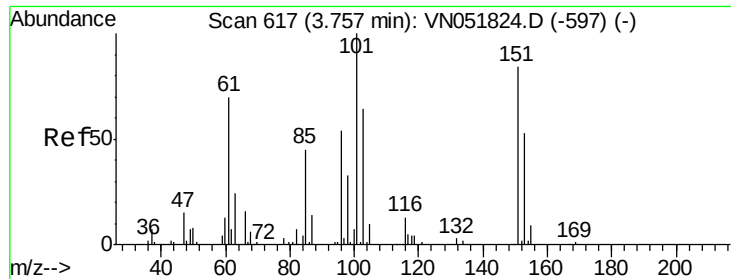


#8

Diethyl Ether
 Concen: 19.790 ug/l
 RT: 3.42 min Scan# 511
 Delta R.T. 0.00 min
 Lab File: VN051983.D
 Acq: 24 Oct 2018 13:07

Tgt Ion: 74 Resp: 83482
 Ion Ratio Lower Upper
 74 100
 45 73.1 20.7 186.5

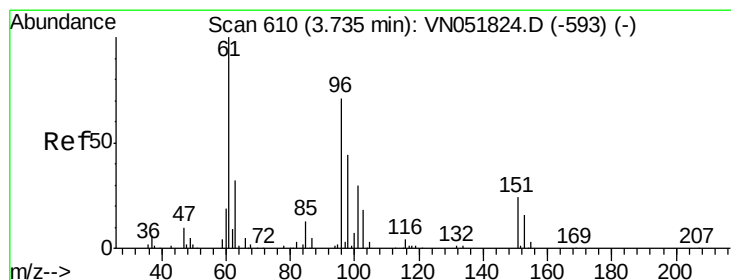
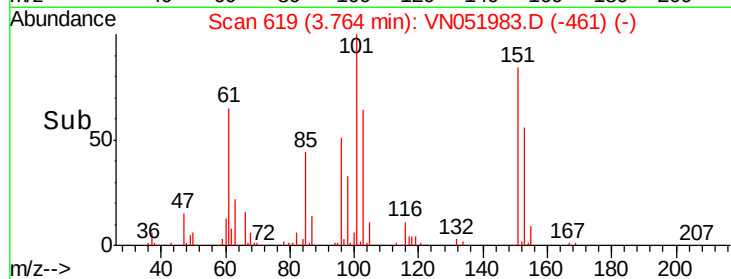
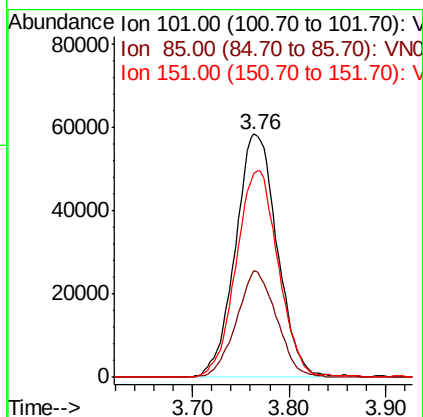
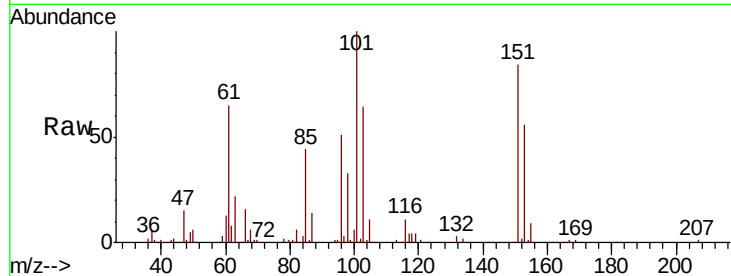




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 21.207 ug/l
 RT: 3.76 min Scan# 619
 Delta R.T. 0.01 min
 Lab File: VN051983.D
 Acq: 24 Oct 2018 13:07

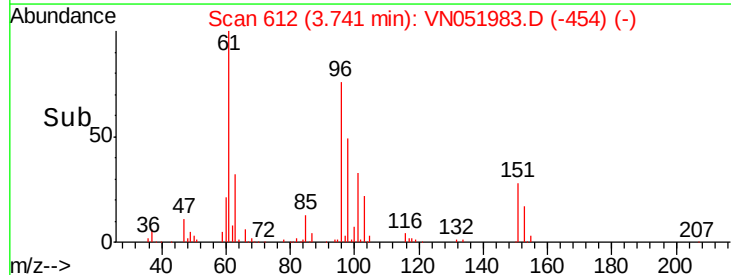
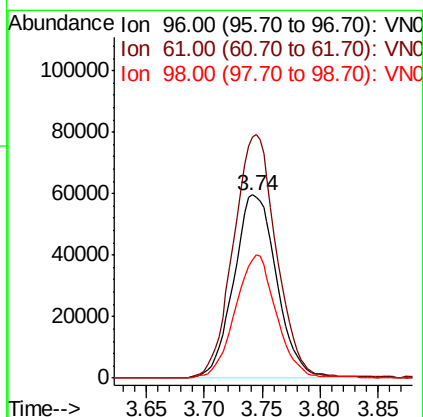
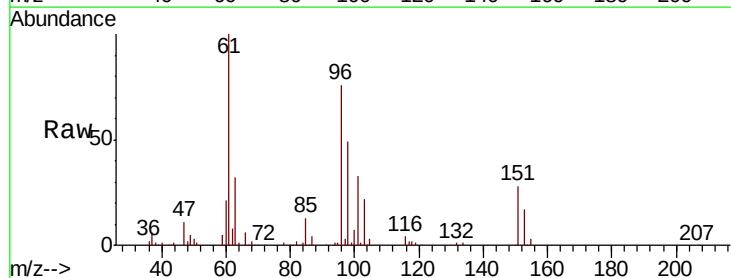
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1024WBSD02

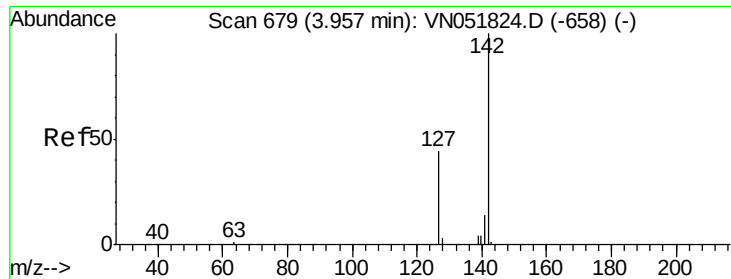
Tot Ion	Ratio	Lower	Upper
101	100		
85	42.1	0.0	46.0
151	85.5	0.0	82.2



#10
 1,1-Dichloroethene
 Concen: 20.109 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. 0.01 min
 Lab File: VN051983.D
 Acq: 24 Oct 2018 13:07

Tgt Ion	Ratio	Lower	Upper
96	100		
61	130.9	133.0	199.6
98	64.7	52.6	78.8

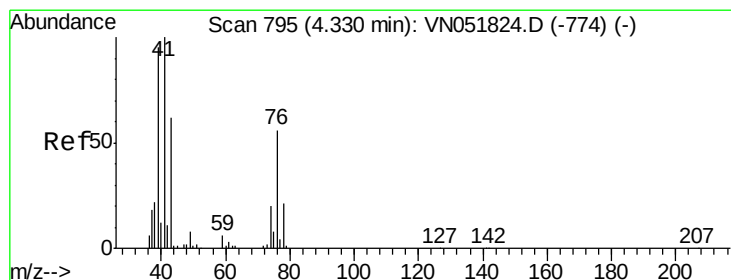
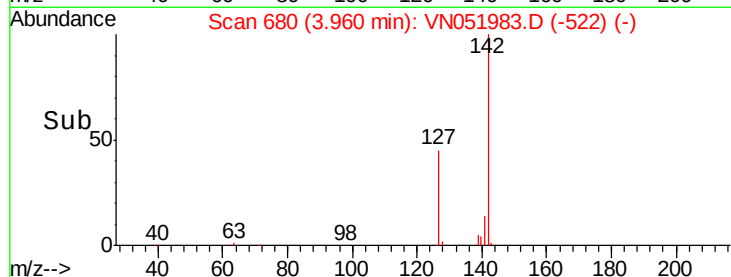
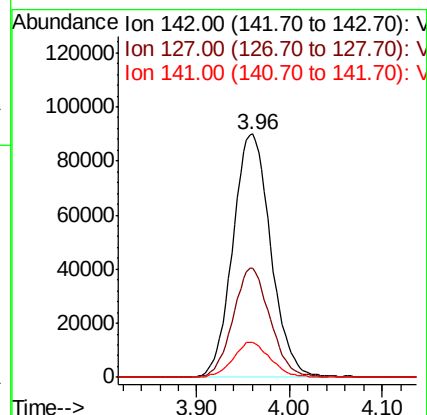
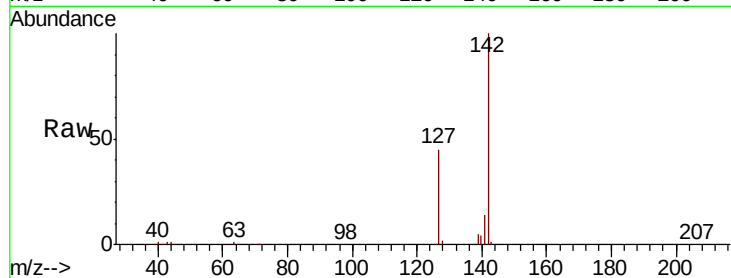




#11
Methvl Iodide
Concen: 23.064 ug/l
RT: 3.96 min Scan# 680
Delta R.T. 0.01 min
Lab File: VN051983.D
Acq: 24 Oct 2018 13:07

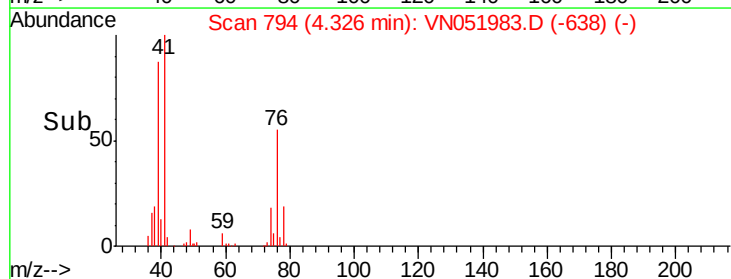
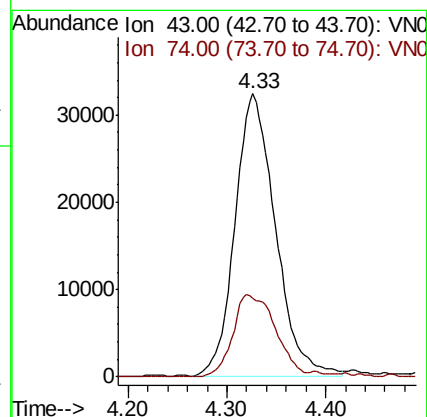
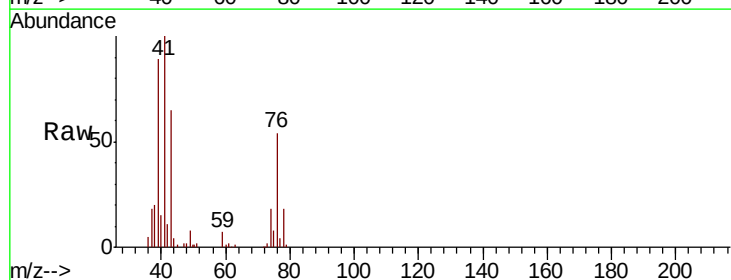
Instrument :
MSVOA_N
ClientSampleId :
VN1024WBSD02

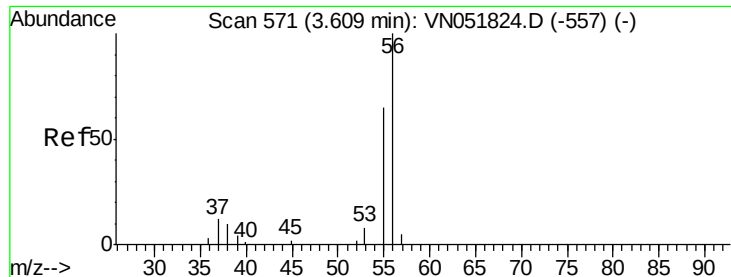
Tot Ion:142 Resp: 255880
Ion Ratio Lower Upper
142 100
127 45.0 19.7 59.0
141 14.3 6.3 18.9



#12
Methyl Acetate
Concen: 19.619 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN051983.D
Acq: 24 Oct 2018 13:07

Tgt Ion: 43 Resp: 92976
Ion Ratio Lower Upper
43 100
74 27.2 21.8 32.6

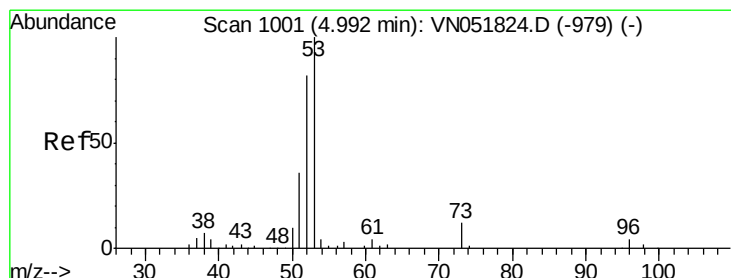
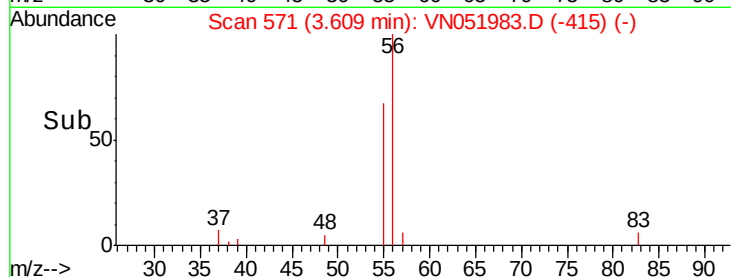
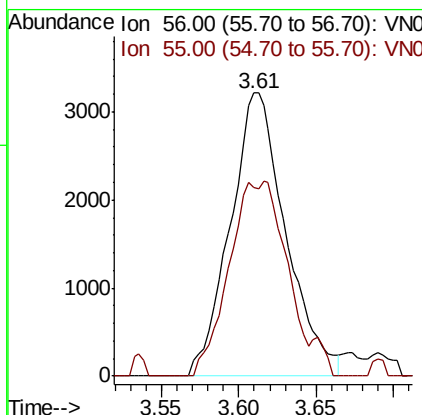
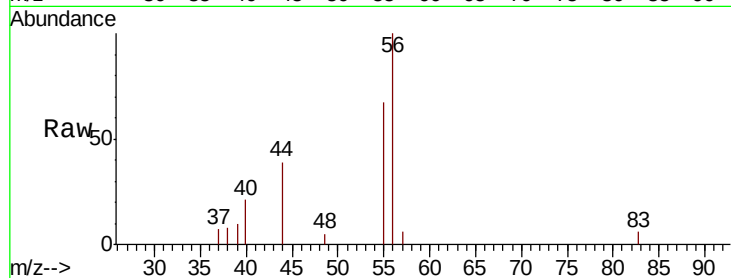




#13
Acrolein
Concen: 25.733 ug/l
RT: 3.61 min Scan# 571
Delta R.T. 0.00 min
Lab File: VN051983.D
Acq: 24 Oct 2018 13:07

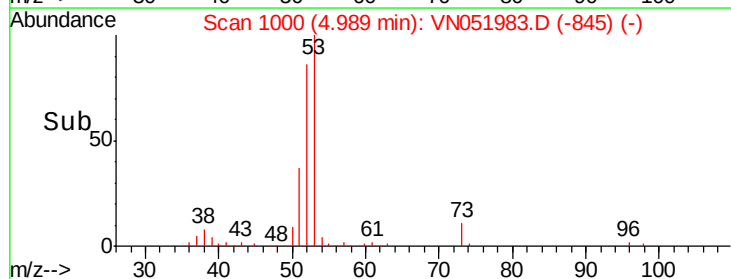
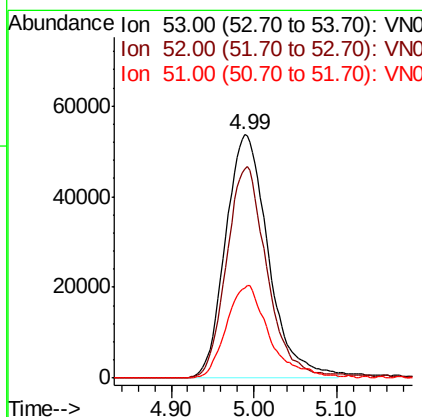
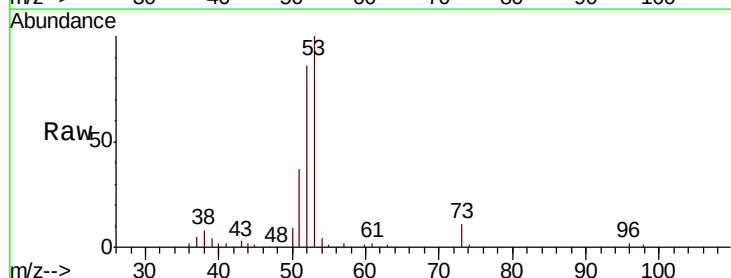
Instrument :
MSVOA_N
ClientSampleId :
VN1024WBSD02

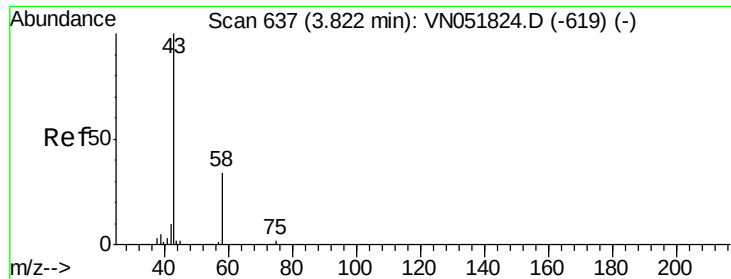
Tot Ion: 56 Resp: 8035
Ion Ratio Lower Upper
56 100
55 38.2 64.0 96.0#



#14
Acrylonitrile
Concen: 91.106 ug/l
RT: 4.99 min Scan# 1000
Delta R.T. -0.00 min
Lab File: VN051983.D
Acq: 24 Oct 2018 13:07

Tgt Ion: 53 Resp: 192971
Ion Ratio Lower Upper
53 100
52 81.3 18.3 54.8#
51 36.6 19.7 59.1





#15

Acetone

Concen: 86.391 ug/l

RT: 3.82 min Scan# 635

Delta R.T. -0.01 min

Lab File: VN051983.D

Acq: 24 Oct 2018 13:07

Instrument :

MSVOA_N

ClientSampleId :

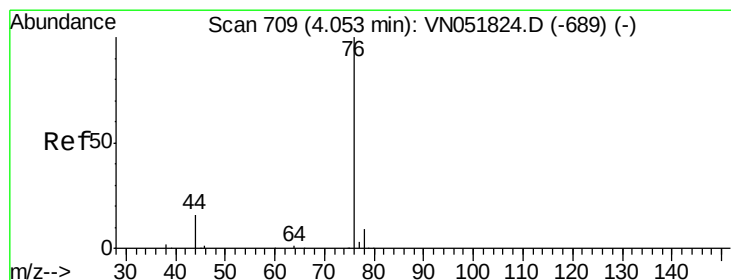
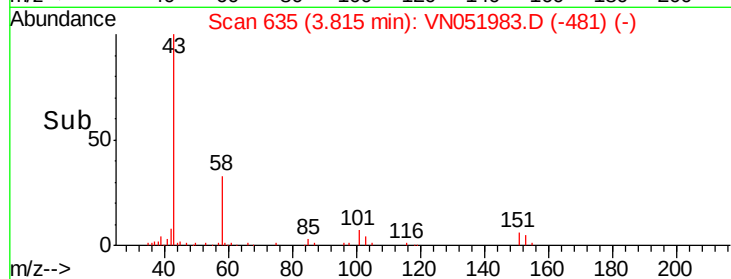
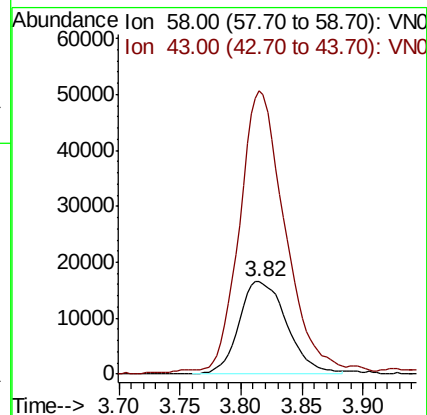
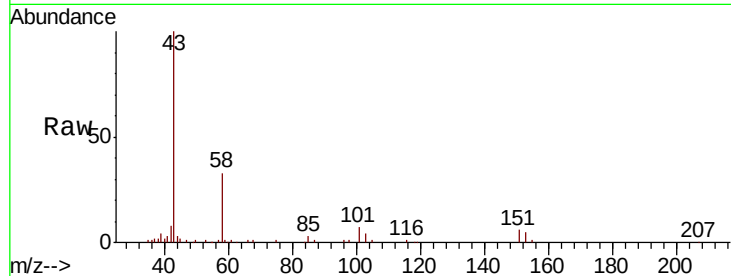
VN1024WBSD02

Tot Ion: 58 Resp: 45234

Ion Ratio Lower Upper

58 100

43 301.1 232.2 348.2



#16

Carbon Disulfide

Concen: 17.013 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.01 min

Lab File: VN051983.D

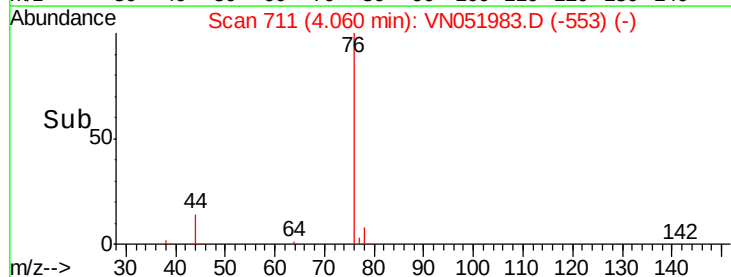
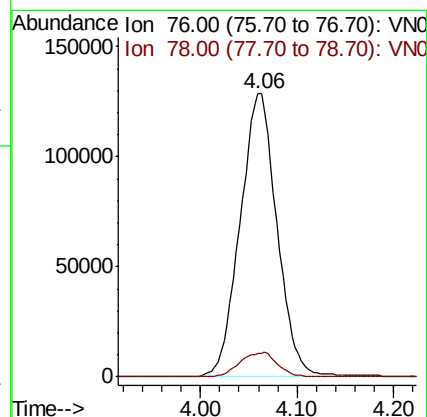
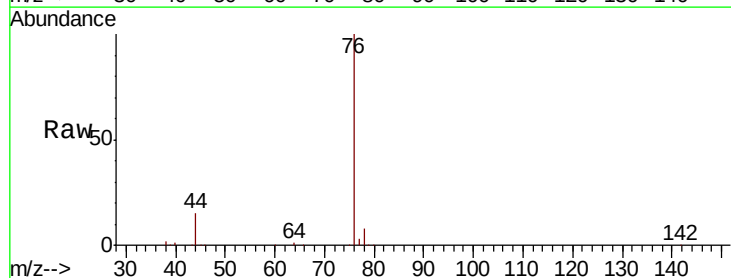
Acq: 24 Oct 2018 13:07

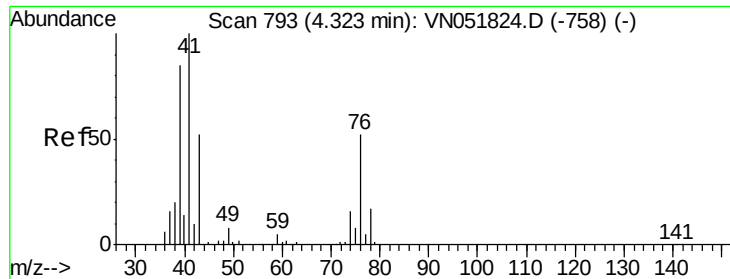
Tgt Ion: 76 Resp: 340988

Ion Ratio Lower Upper

76 100

78 8.3 6.7 10.1

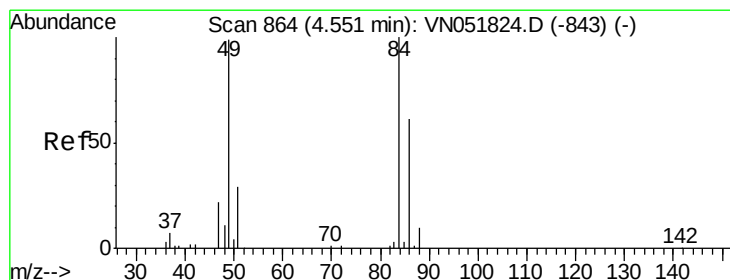
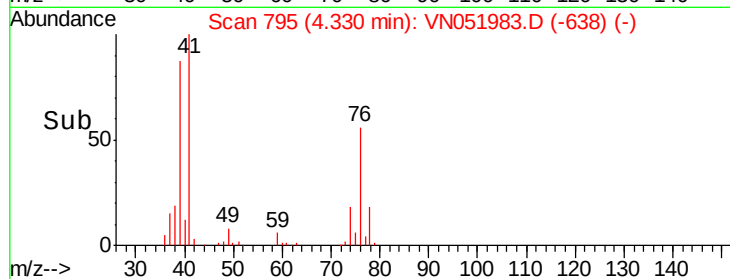
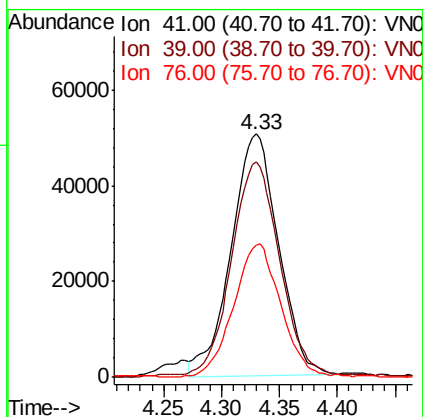
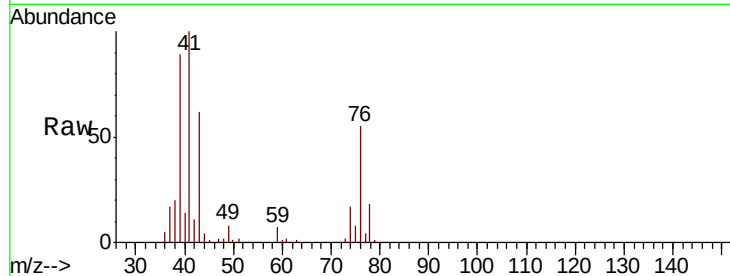




#17
Allvl chloride
Concen: 15.721 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN051983.D
Acq: 24 Oct 2018 13:07

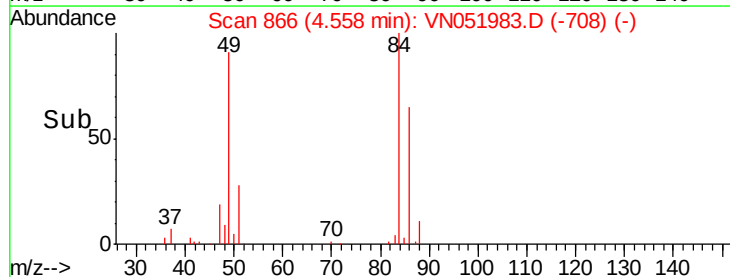
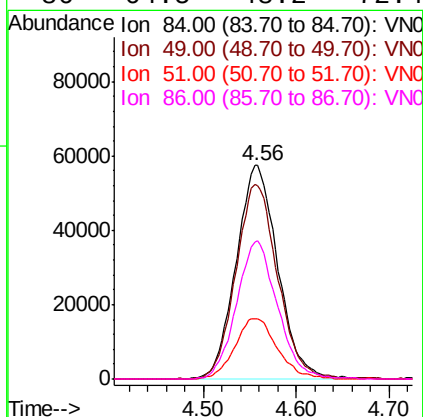
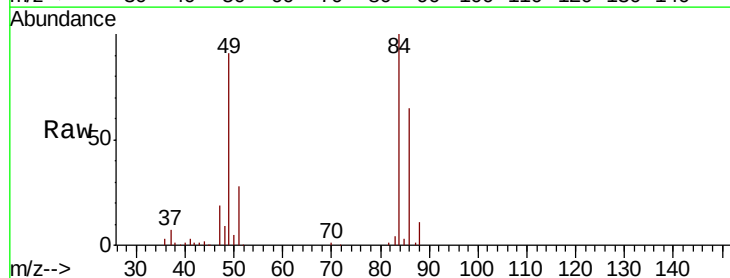
Instrument :
MSVOA_N
ClientSampleId :
VN1024WBSD02

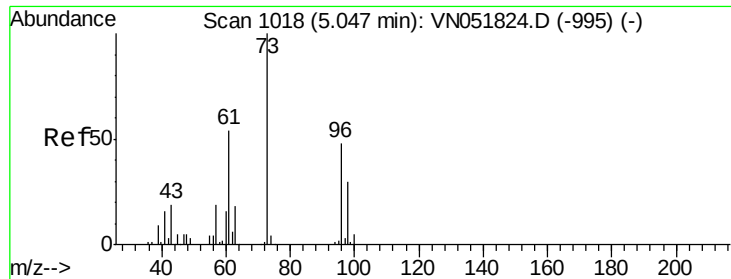
Tot Ion: 41 Resp: 142442
Ion Ratio Lower Upper
41 100
39 88.7 32.6 97.8
76 54.6 20.2 60.5



#18
Methylene Chloride
Concen: 20.959 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.01 min
Lab File: VN051983.D
Acq: 24 Oct 2018 13:07

Tgt Ion: 84 Resp: 178850
Ion Ratio Lower Upper
84 100
49 90.5 91.6 137.4#
51 28.0 29.8 44.6#
86 64.5 48.2 72.4

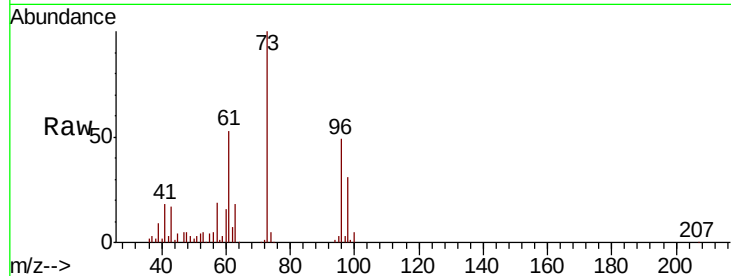




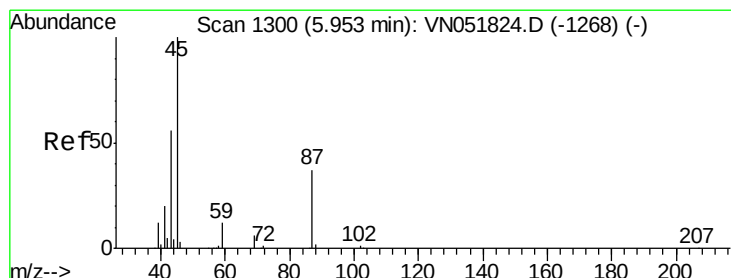
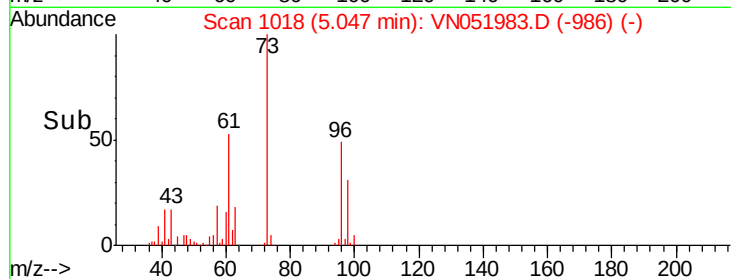
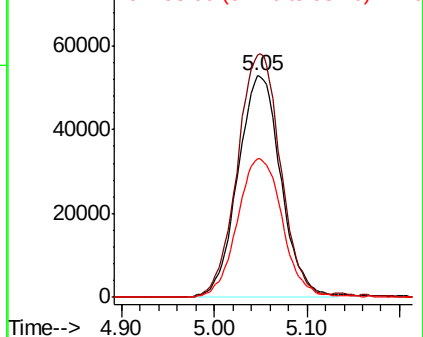
#19
trans-1,2-Dichloroethene
Concen: 19.632 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN051983.D
Acq: 24 Oct 2018 13:07

Instrument :
MSVOA_N
ClientSampleId :
VN1024WBSD02

Tot Ion: 96 Resp: 171082
Ion Ratio Lower Upper
96 100
61 109.0 112.3 168.5#
98 62.7 47.1 70.7

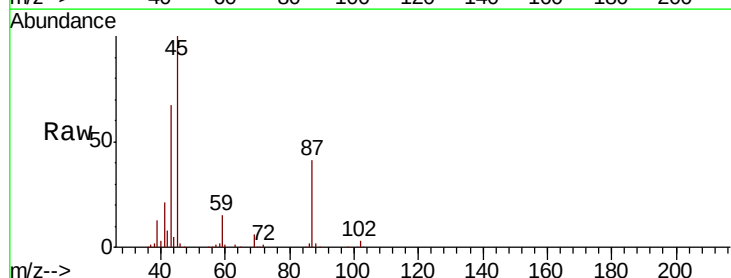


Abundance Ion 96.00 (95.70 to 96.70): VNO
Ion 61.00 (60.70 to 61.70): VNO
Ion 98.00 (97.70 to 98.70): VNO

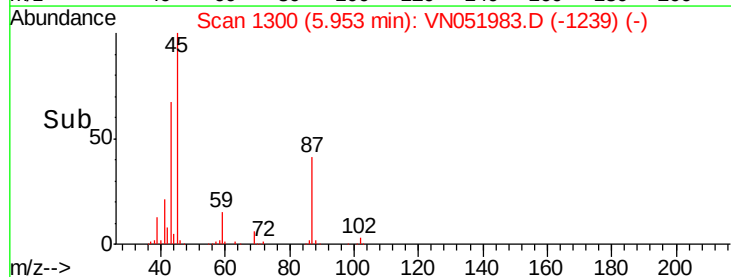
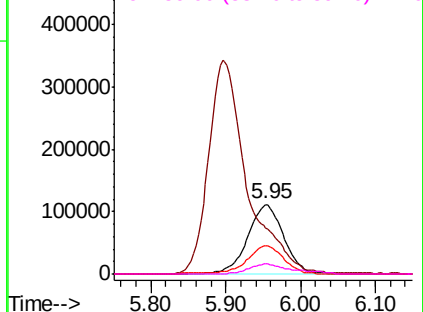


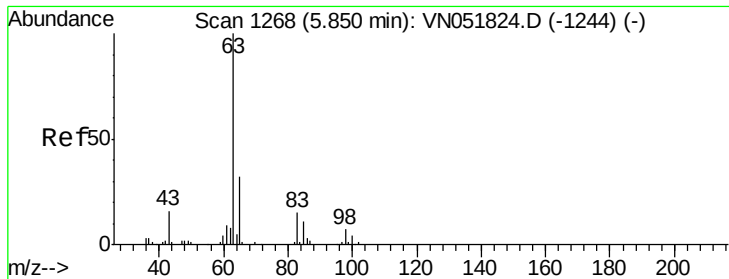
#20
Diisopropyl ether
Concen: 18.415 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. -0.00 min
Lab File: VN051983.D
Acq: 24 Oct 2018 13:07

Tgt Ion: 45 Resp: 371608
Ion Ratio Lower Upper
45 100
43 65.0 62.1 93.1
87 41.2 19.9 29.9#
59 14.3 9.8 14.6



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

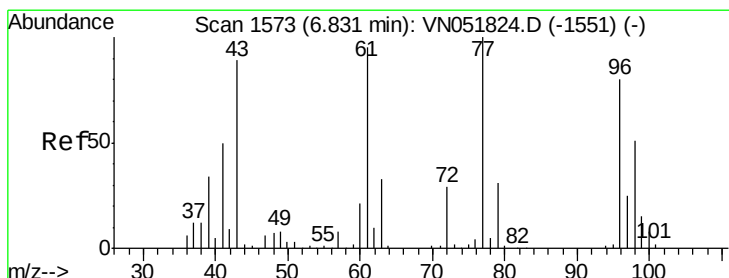
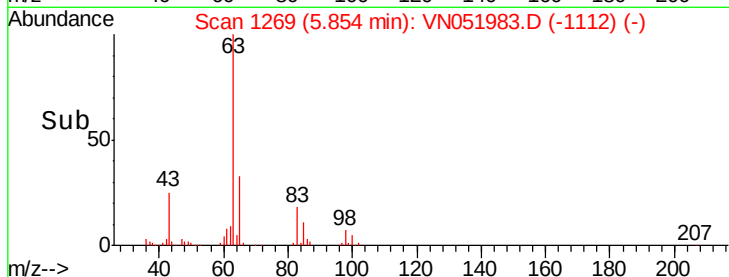
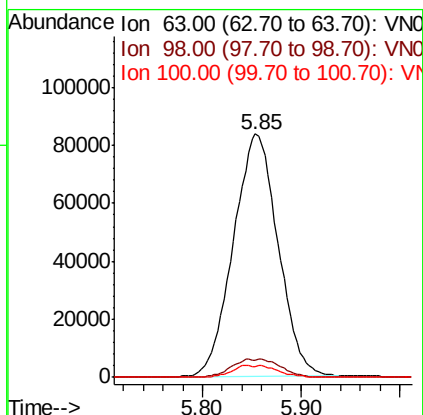
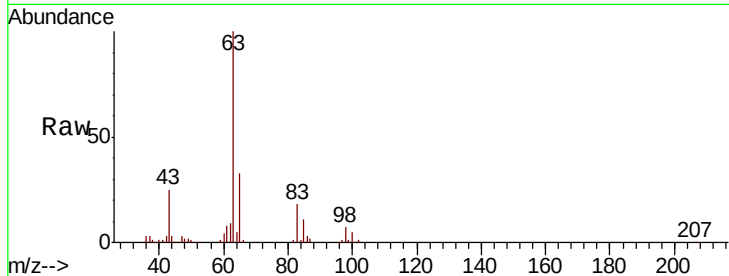




#21
 1,1-Dichloroethane
 Concen: 18.684 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN051983.D
 Acq: 24 Oct 2018 13:07

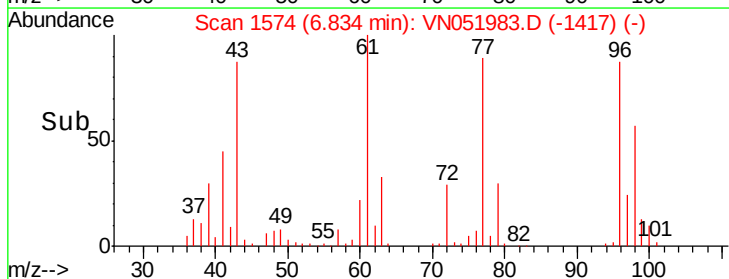
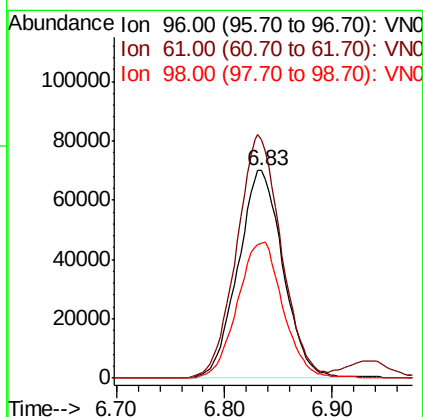
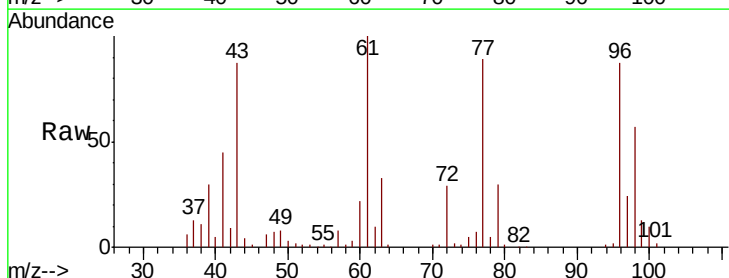
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1024WBSD02

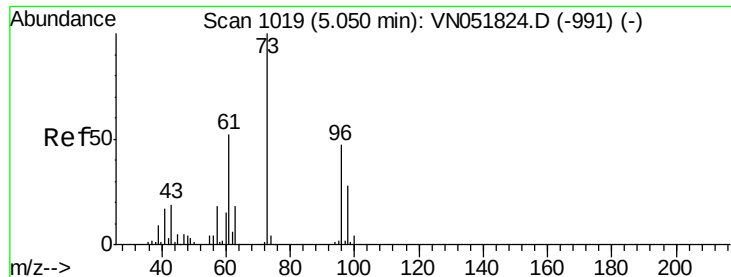
Tot Ion: 63 Resp: 263448
 Ion Ratio Lower Upper
 63 100
 98 7.0 4.1 12.3
 100 4.6 1.6 4.7



#22
 cis-1,2-Dichloroethene
 Concen: 19.799 ug/l
 RT: 6.83 min Scan# 1574
 Delta R.T. 0.00 min
 Lab File: VN051983.D
 Acq: 24 Oct 2018 13:07

Tgt Ion: 96 Resp: 202653
 Ion Ratio Lower Upper
 96 100
 61 115.6 124.5 186.7#
 98 66.1 51.9 77.9

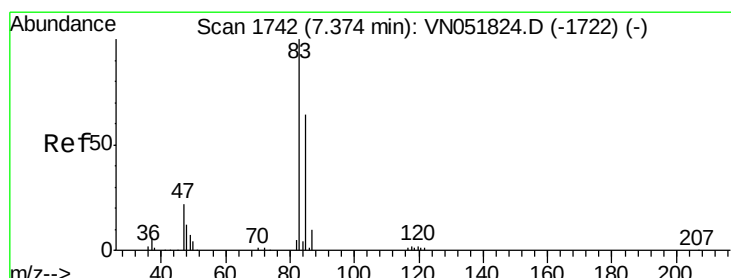
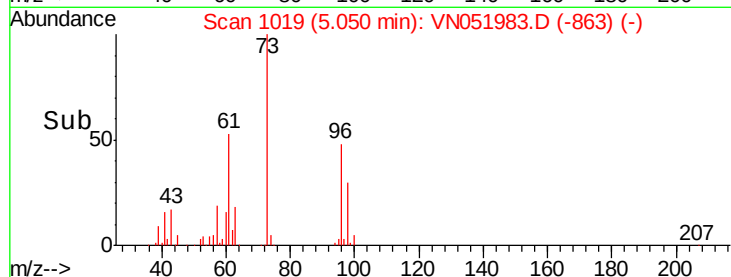
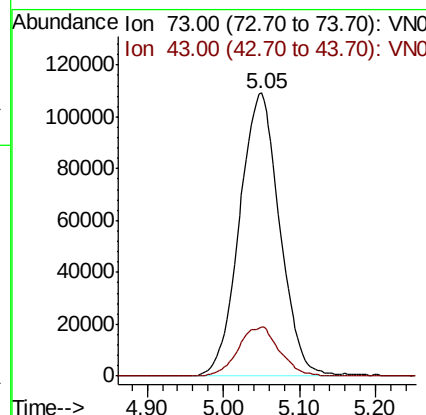
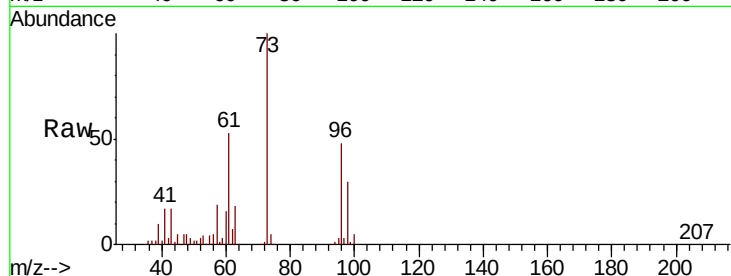




#24
Methyl tert-Butyl Ether
Concen: 18.234 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN051983.D
Acq: 24 Oct 2018 13:07

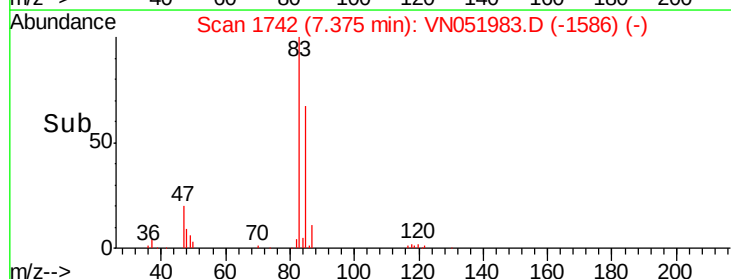
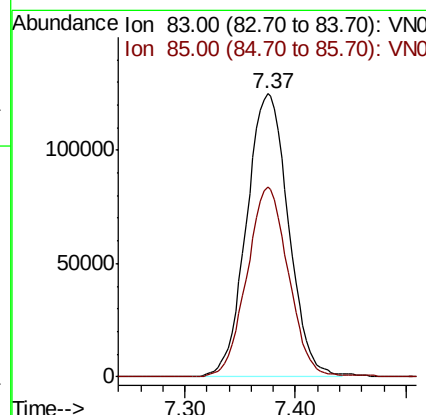
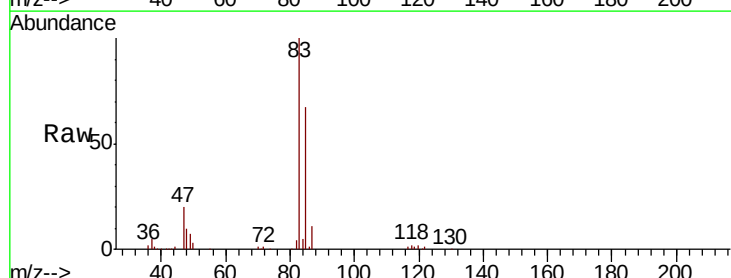
Instrument :
MSVOA_N
ClientSampleId :
VN1024WBSD02

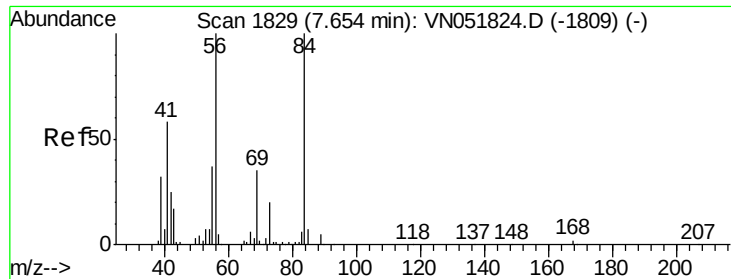
Tot Ion: 73 Resp: 400925
Ion Ratio Lower Upper
73 100
43 18.0 5.4 8.0#



#25
Chloroform
Concen: 19.688 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN051983.D
Acq: 24 Oct 2018 13:07

Tgt Ion: 83 Resp: 329347
Ion Ratio Lower Upper
83 100
85 67.3 54.6 82.0

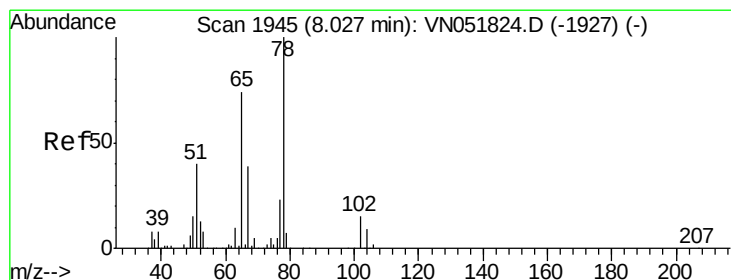
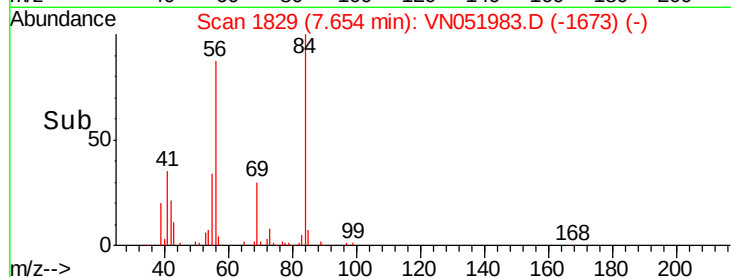
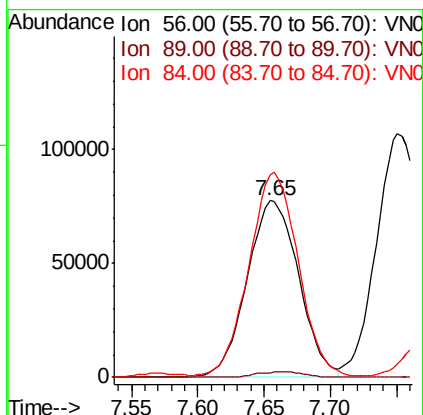
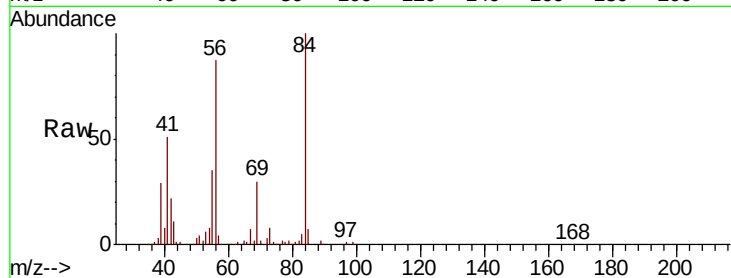




#26
Cyclohexane
Concen: 17.621 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN051983.D
Acq: 24 Oct 2018 13:07

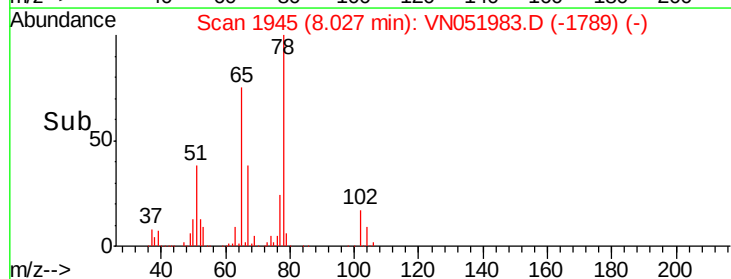
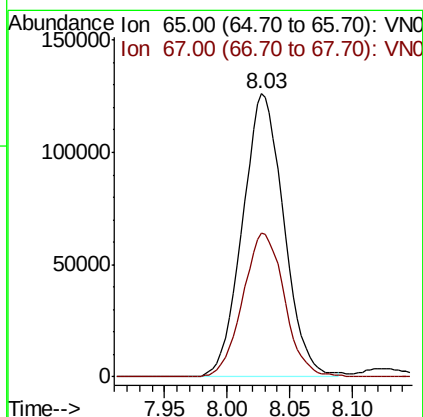
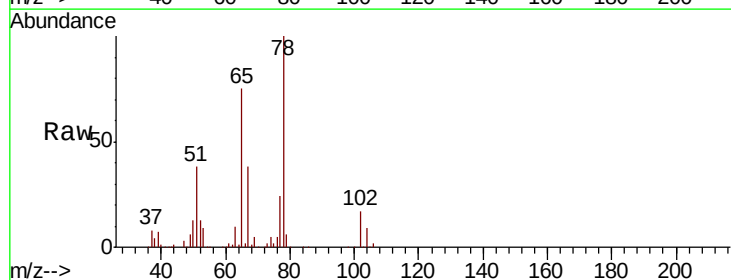
Instrument :
MSVOA_N
ClientSampleId :
VN1024WBSD02

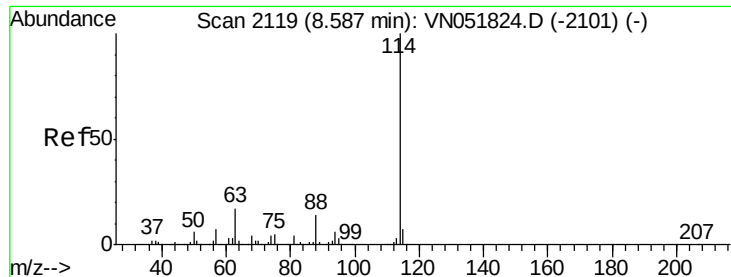
Tot Ion: 56 Resp: 210636
Ion Ratio Lower Upper
56 100
89 2.8 1.5 2.3#
84 111.7 64.2 96.4#



#27
1,2-Dichloroethane-d4
Concen: 17.621 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN051983.D
Acq: 24 Oct 2018 13:07

Tgt Ion: 65 Resp: 289721
Ion Ratio Lower Upper
65 100
67 51.4 41.8 62.8

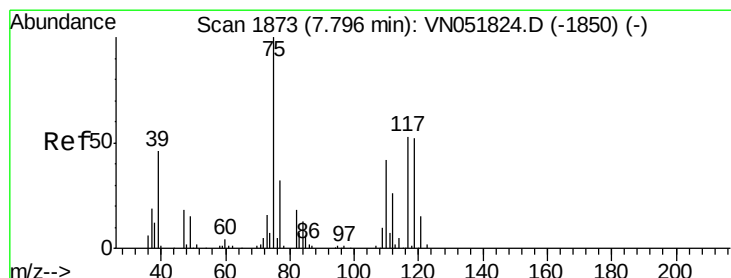
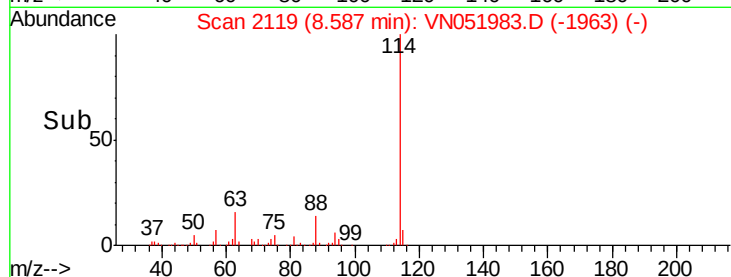
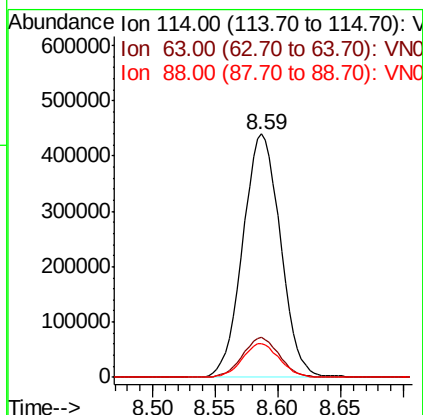
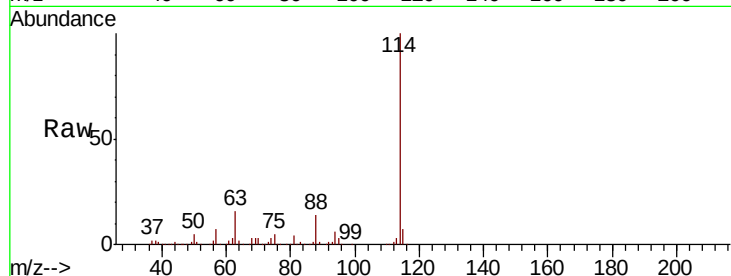




#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN051983.D
 Acq: 24 Oct 2018 13:07

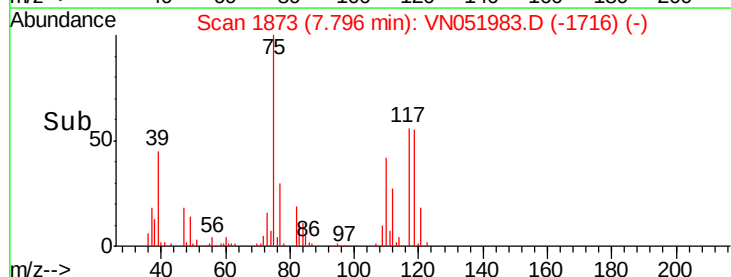
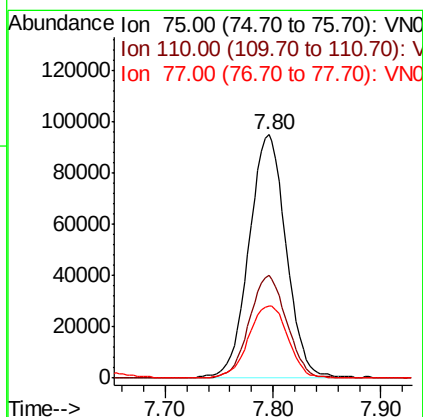
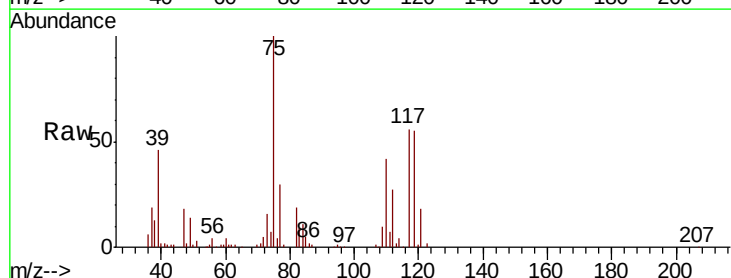
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1024WBSD02

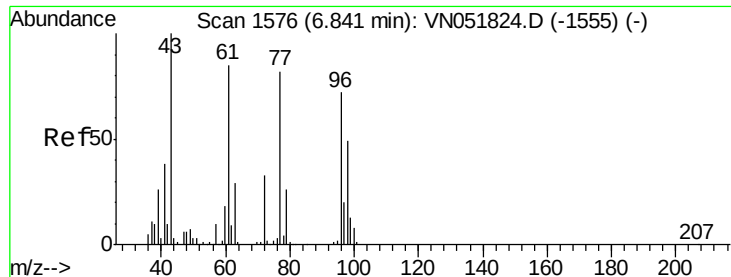
Tot Ion:114 Resp: 919044
 Ion Ratio Lower Upper
 114 100
 63 16.0 16.2 24.2#
 88 13.7 12.2 18.4



#29
 1,1-Dichloropropene
 Concen: 19.113 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN051983.D
 Acq: 24 Oct 2018 13:07

Tgt Ion: 75 Resp: 226425
 Ion Ratio Lower Upper
 75 100
 110 42.4 0.0 70.8
 77 31.6 0.0 61.6

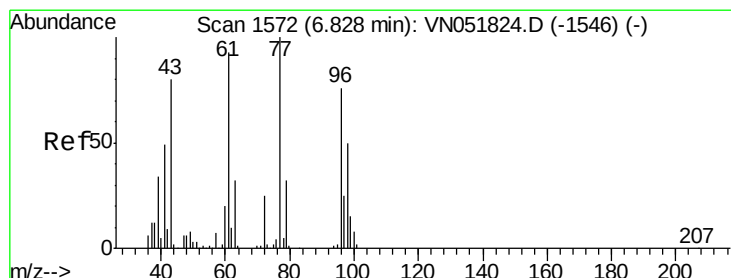
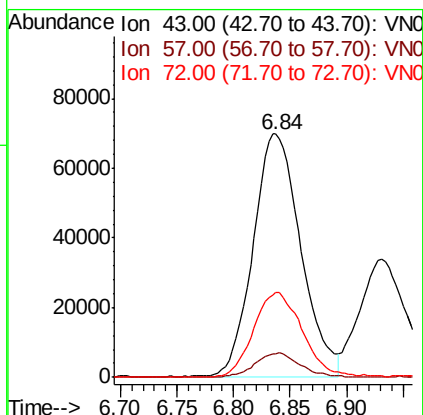
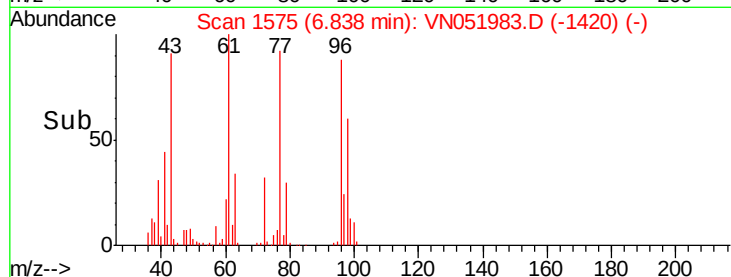
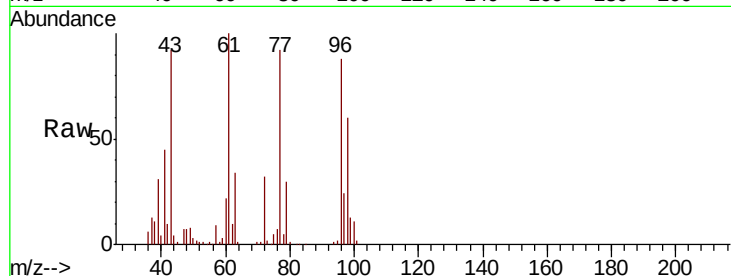




#30
2-Butanone
Concen: 82.102 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. -0.00 min
Lab File: VN051983.D
Acq: 24 Oct 2018 13:07

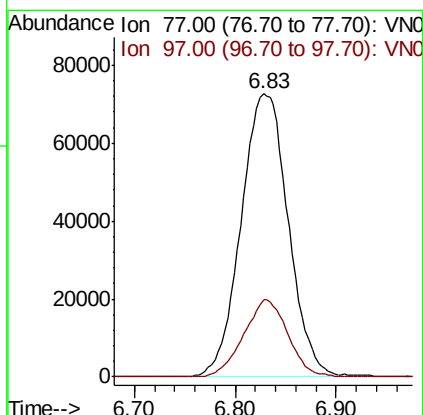
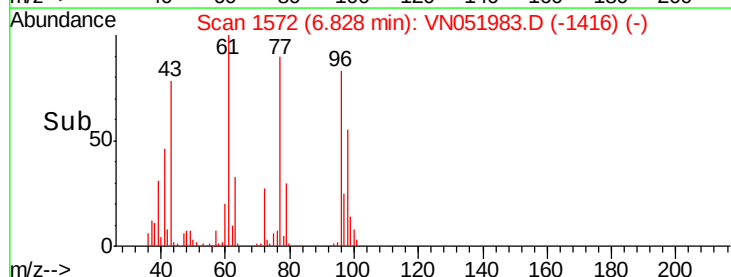
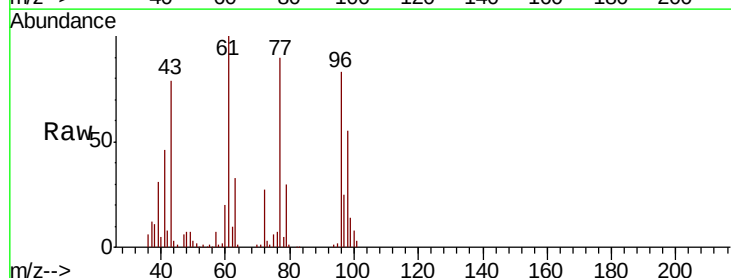
Instrument :
MSVOA_N
ClientSampleId :
VN1024WBSD02

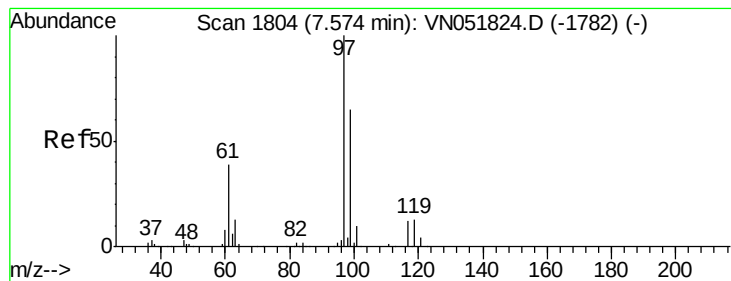
Tot Ion: 43 Resp: 203290
Ion Ratio Lower Upper
43 100
57 9.5 4.5 6.7#
72 35.9 21.5 32.3#



#31
2,2-Dichloropropane
Concen: 16.902 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN051983.D
Acq: 24 Oct 2018 13:07

Tgt Ion: 77 Resp: 235553
Ion Ratio Lower Upper
77 100
97 25.8 12.0 18.0#





#32

1,1,1-Trichloroethane

Concen: 18.946 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN051983.D

Acq: 24 Oct 2018 13:07

Instrument :

MSVOA_N

ClientSampleId :

VN1024WBSD02

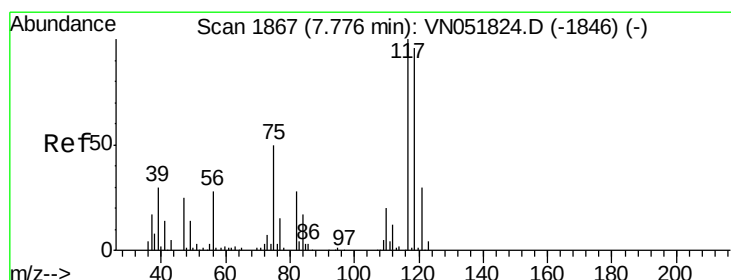
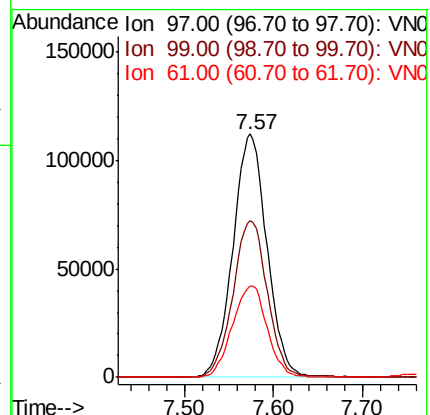
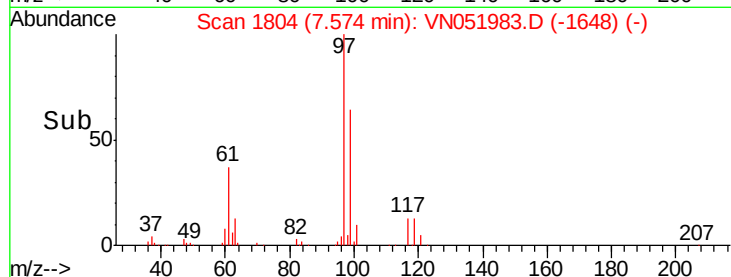
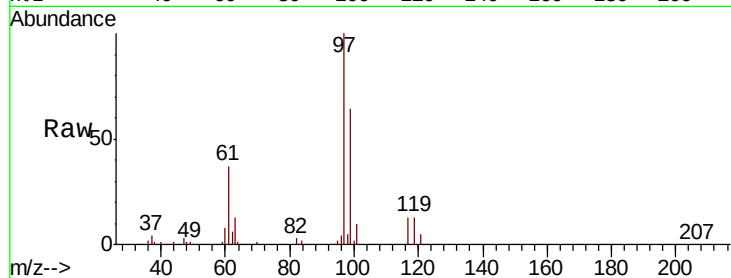
Tot Ion: 97 Resp: 297569

Ion Ratio Lower Upper

97 100

99 64.9 51.6 77.4

61 38.2 37.4 56.0



#33

Carbon Tetrachloride

Concen: 18.539 ug/l

RT: 7.78 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VN051983.D

Acq: 24 Oct 2018 13:07

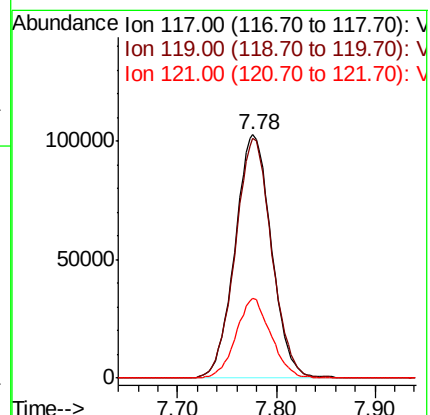
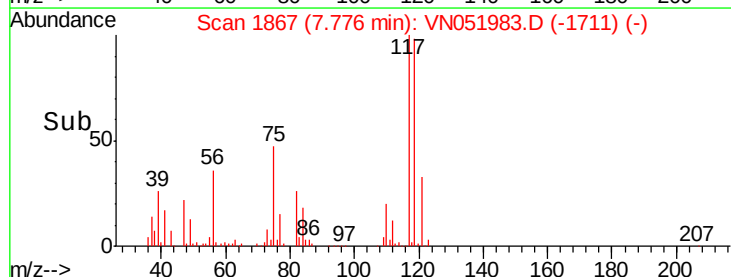
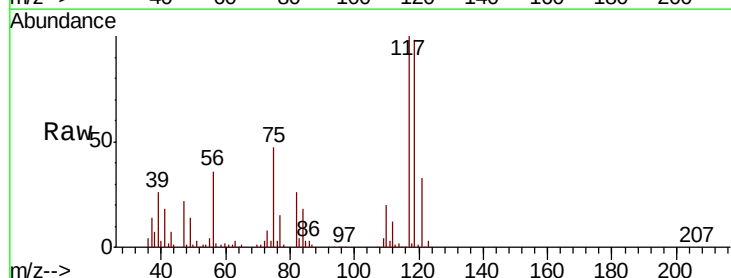
Tgt Ion: 117 Resp: 263430

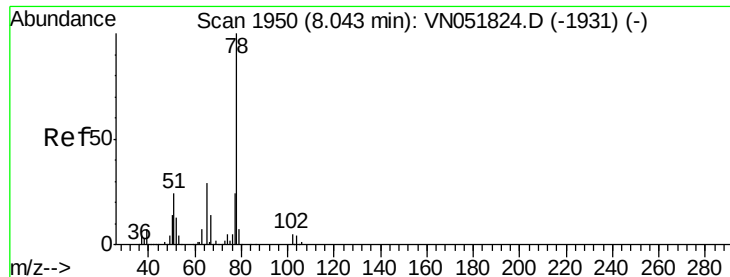
Ion Ratio Lower Upper

117 100

119 98.3 85.1 127.7

121 32.7 24.2 36.2





#34

Benzene

Concen: 19.901 ug/l

RT: 8.04 min Scan# 1950

Delta R.T. 0.00 min

Lab File: VN051983.D

Acq: 24 Oct 2018 13:07

Instrument :

MSVOA_N

ClientSampleId :

VN1024WBSD02

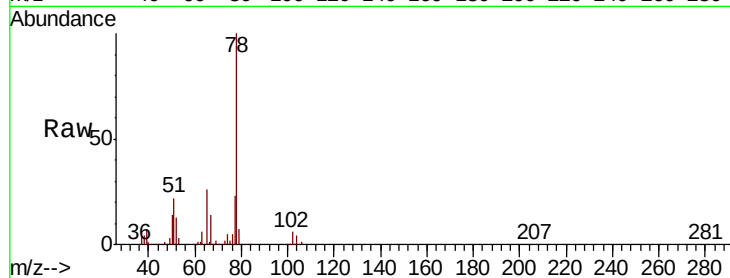
Tot Ion: 78 Resp: 697383

Ion Ratio Lower Upper

78 100

77 23.4 18.8 28.2

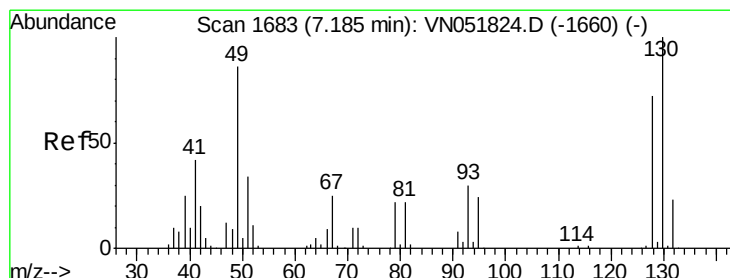
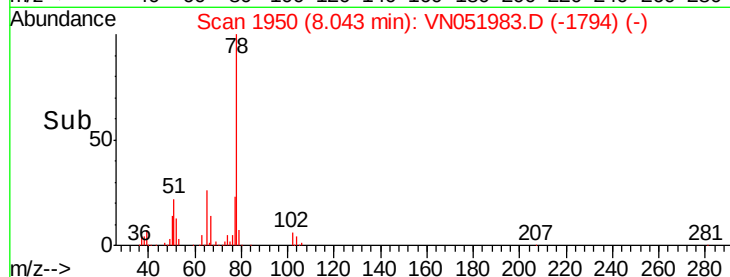
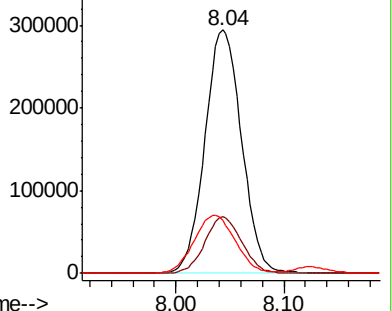
51 21.5 46.2 69.4#



Abundance Ion 78.10 (77.80 to 78.80): VN051824.D (-1931) (-)

Ion 77.00 (76.70 to 77.70): VN051824.D (-1931) (-)

Ion 51.00 (50.70 to 51.70): VN051824.D (-1931) (-)



#35

Methacrylonitrile

Concen: 11.369 ug/l

RT: 7.17 min Scan# 1678

Delta R.T. -0.02 min

Lab File: VN051983.D

Acq: 24 Oct 2018 13:07

Tgt Ion: 41 Resp: 36986

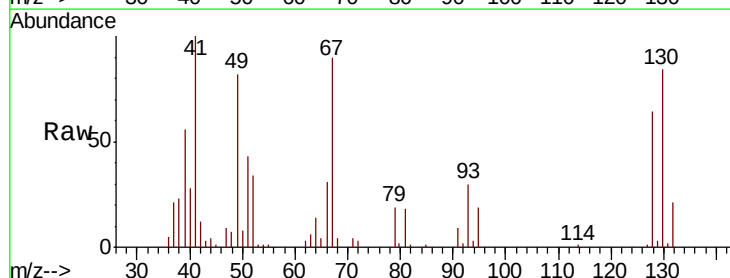
Ion Ratio Lower Upper

41 100

39 53.3 22.6 67.7

67 89.0 28.9 86.8#

52 34.1 11.3 33.9#

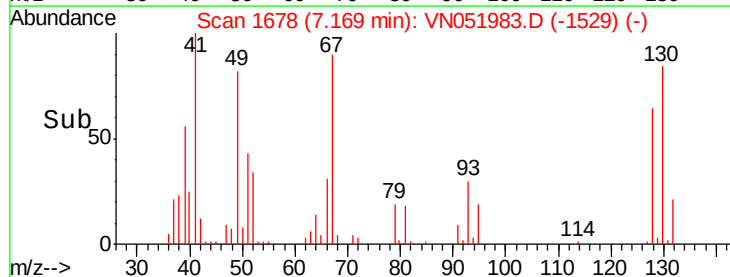
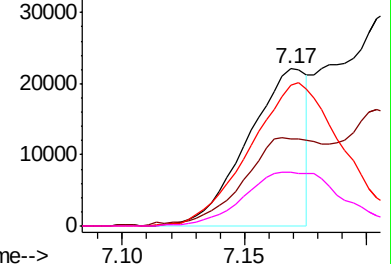


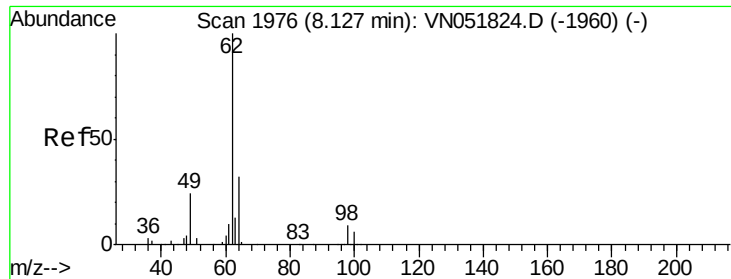
Abundance Ion 41.00 (40.70 to 41.70): VN051824.D (-1660) (-)

Ion 39.00 (38.70 to 39.70): VN051824.D (-1660) (-)

Ion 67.00 (66.70 to 67.70): VN051824.D (-1660) (-)

Ion 52.00 (51.70 to 52.70): VN051824.D (-1660) (-)

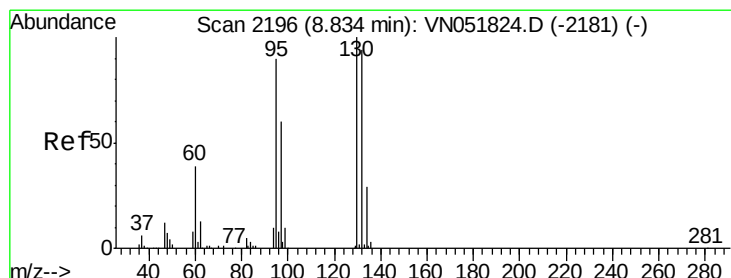
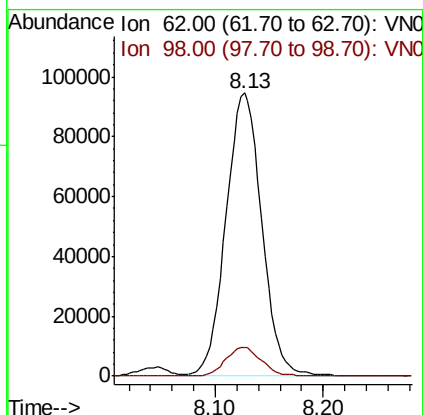
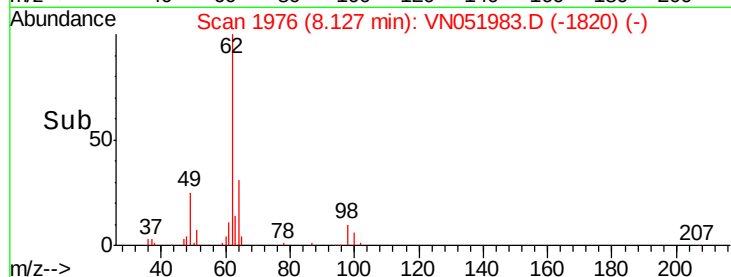
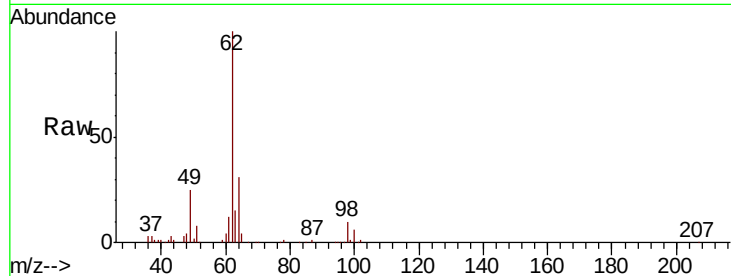




#36
 1,2-Dichloroethane
 Concen: 19.386 ug/l
 RT: 8.13 min Scan# 1976
 Delta R.T. 0.00 min
 Lab File: VN051983.D
 Acq: 24 Oct 2018 13:07

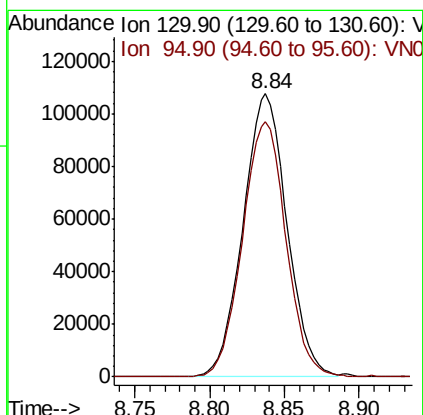
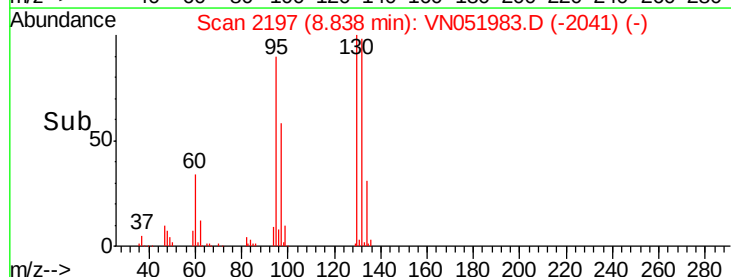
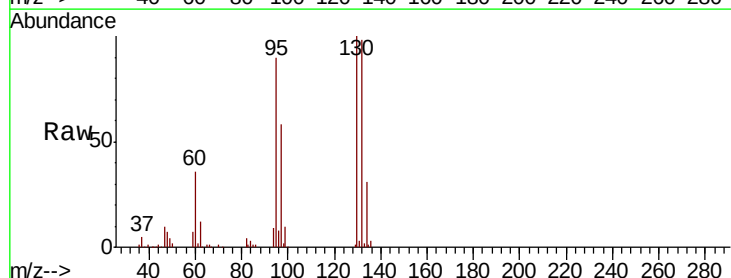
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1024WBSD02

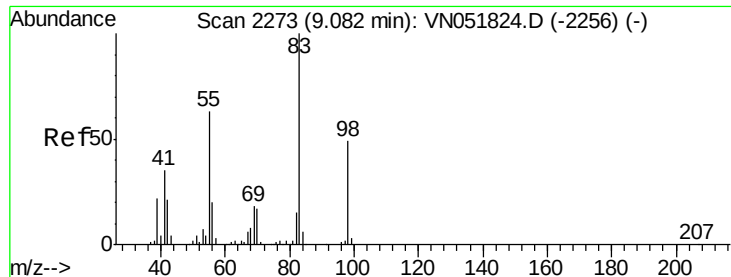
Tot Ion: 62 Resp: 217673
 Ion Ratio Lower Upper
 62 100
 98 10.1 6.9 10.3



#37
 Trichloroethene
 Concen: 20.188 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN051983.D
 Acq: 24 Oct 2018 13:07

Tgt Ion: 130 Resp: 219605
 Ion Ratio Lower Upper
 130 100
 95 90.2 76.4 114.6

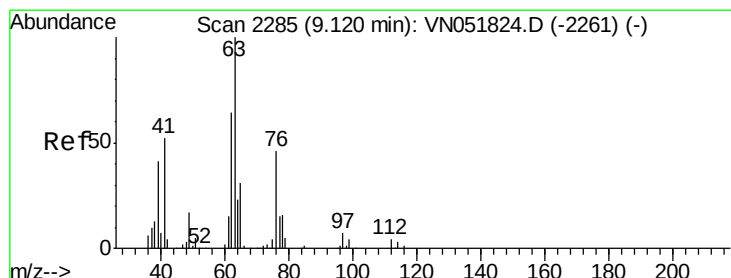
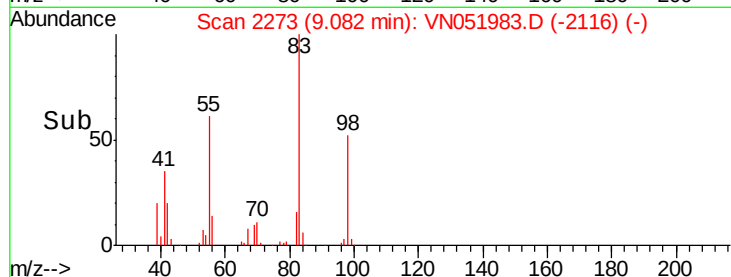
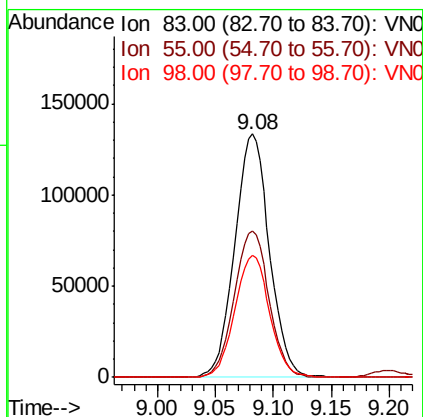
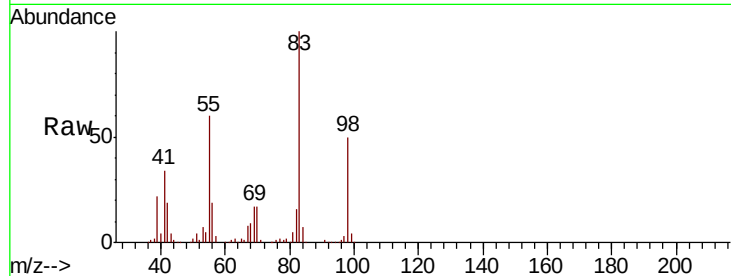




#38
Methylvlcyclohexane
Concen: 18.150 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN051983.D
Acq: 24 Oct 2018 13:07

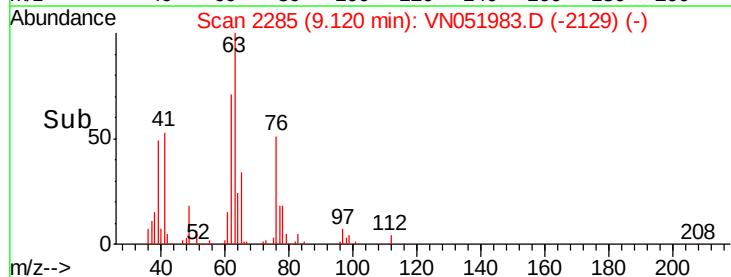
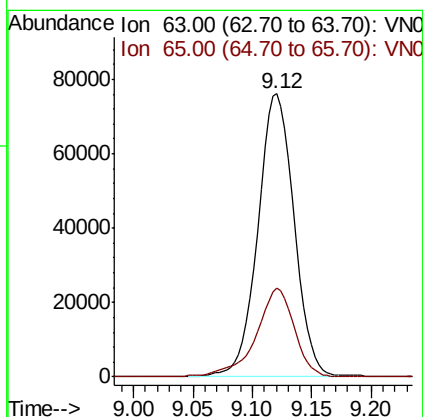
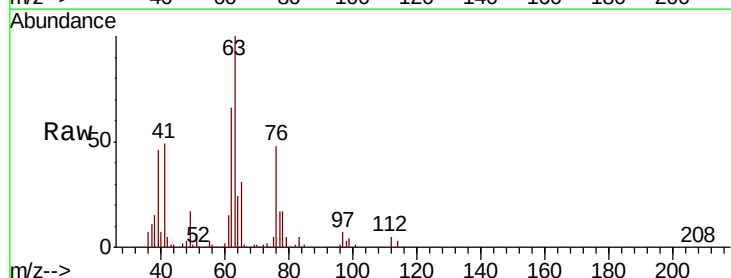
Instrument :
MSVOA_N
ClientSampleId :
VN1024WBSD02

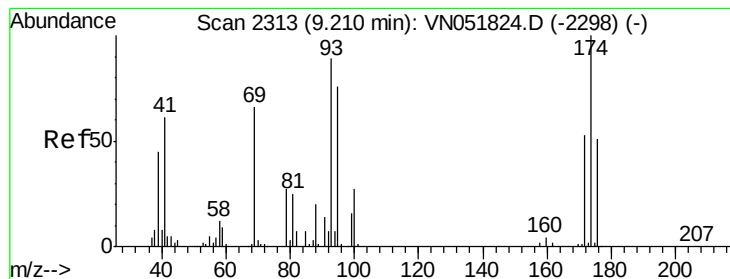
Tot Ion: 83 Resp: 275781
Ion Ratio Lower Upper
83 100
55 60.4 43.0 129.2
98 50.4 21.3 63.7



#39
1,2-Dichloropropane
Concen: 19.448 ug/l
RT: 9.12 min Scan# 2285
Delta R.T. 0.00 min
Lab File: VN051983.D
Acq: 24 Oct 2018 13:07

Tgt Ion: 63 Resp: 160491
Ion Ratio Lower Upper
63 100
65 31.1 23.2 34.8





#40

Dibromomethane

Concen: 19.694 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN051983.D

Acq: 24 Oct 2018 13:07

Instrument :

MSVOA_N

ClientSampleId :

VN1024WBSD02

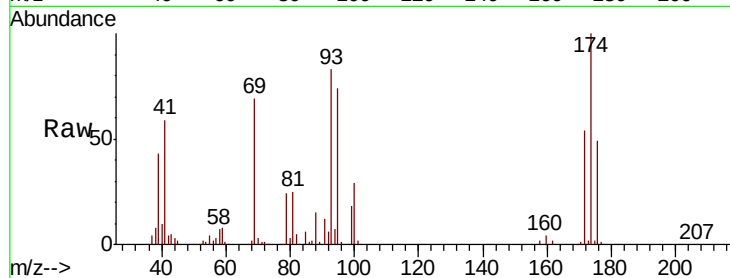
Tot Ion: 93 Resp: 120620

Ion Ratio Lower Upper

93 100

95 84.4 0.0 162.0

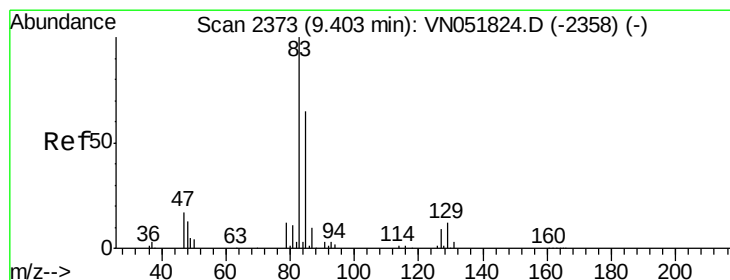
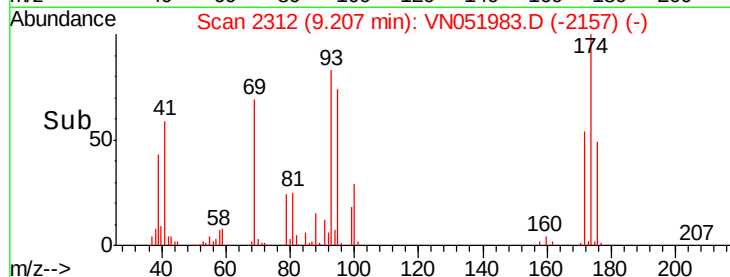
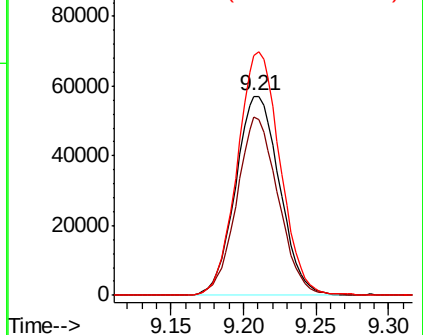
174 118.5 0.0 214.0



Abundance Ion 93.00 (92.70 to 93.70): VN051824.D (-2298) (-)

Ion 95.00 (94.70 to 95.70): VN051824.D (-2298) (-)

Ion 174.00 (173.70 to 174.70): VN051824.D (-2298) (-)



#41

Bromodichloromethane

Concen: 18.239 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN051983.D

Acq: 24 Oct 2018 13:07

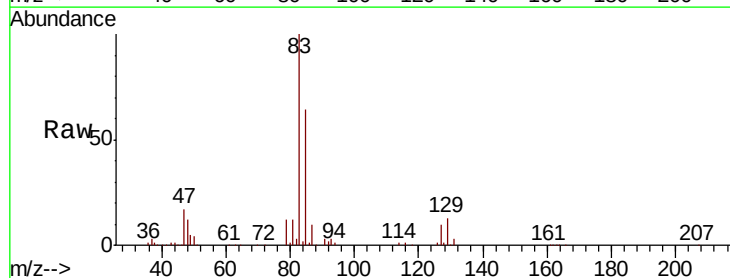
Tgt Ion: 83 Resp: 230747

Ion Ratio Lower Upper

83 100

85 63.8 55.7 83.5

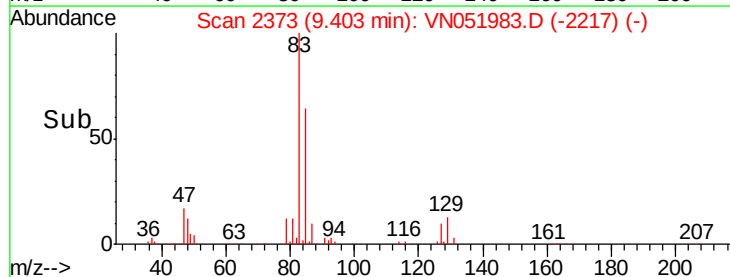
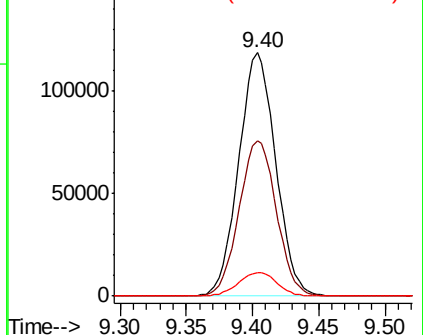
127 9.5 8.2 12.4

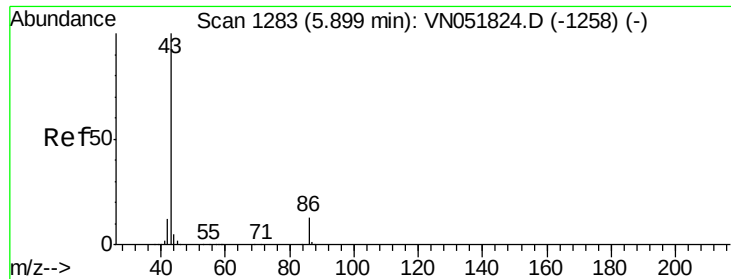


Abundance Ion 83.00 (82.70 to 83.70): VN051824.D (-2358) (-)

Ion 85.00 (84.70 to 85.70): VN051824.D (-2358) (-)

Ion 127.00 (126.70 to 127.70): VN051824.D (-2358) (-)





#42

Vinyl Acetate

Concen: 87.711 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VN051983.D

Acq: 24 Oct 2018 13:07

Instrument :

MSVOA_N

ClientSampleId :

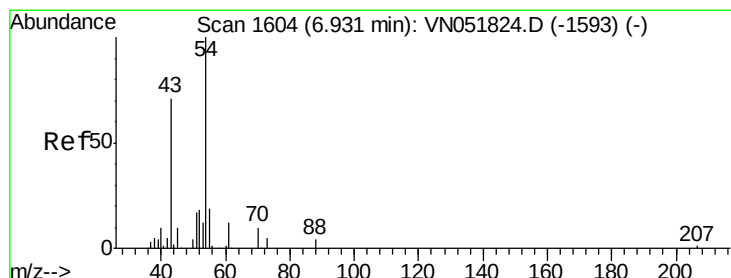
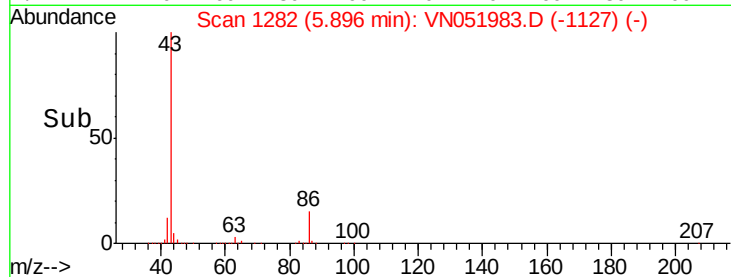
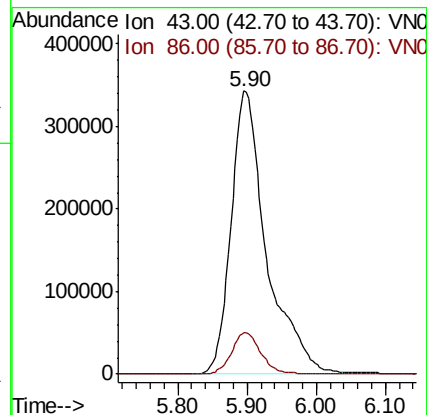
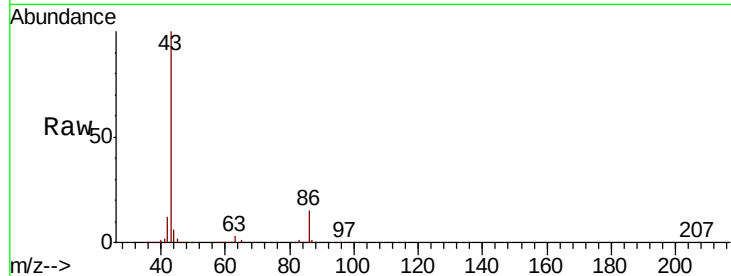
VN1024WBSD02

Tot Ion: 43 Resp: 1222572

Ion Ratio Lower Upper

43 100

86 12.0 6.5 9.7#



#43

Ethyl Acetate

Concen: 17.329 ug/l

RT: 6.93 min Scan# 1604

Delta R.T. -0.00 min

Lab File: VN051983.D

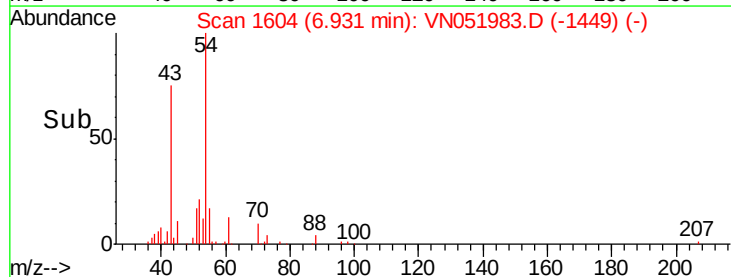
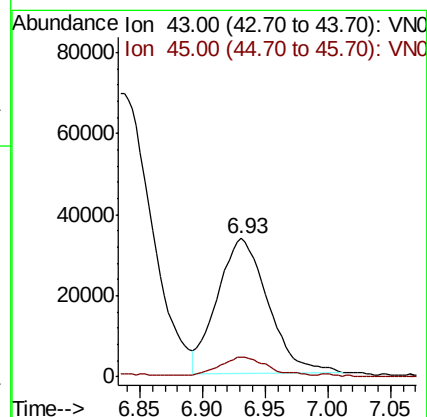
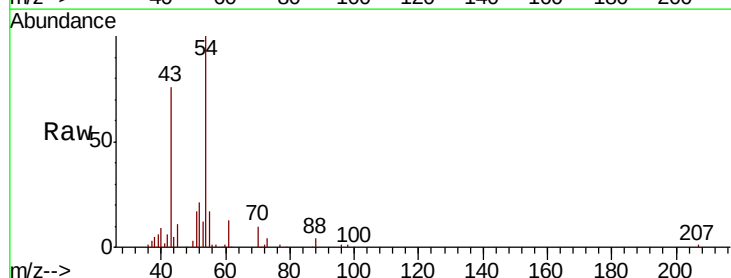
Acq: 24 Oct 2018 13:07

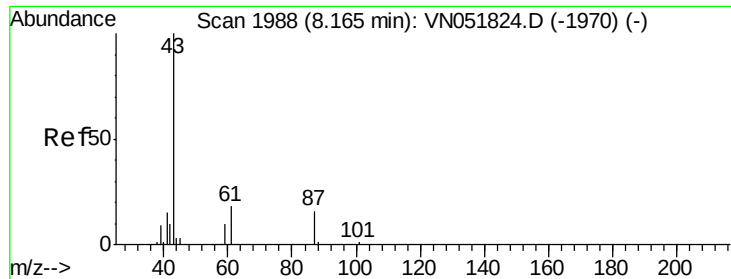
Tgt Ion: 43 Resp: 93167

Ion Ratio Lower Upper

43 100

45 12.1 11.0 16.6



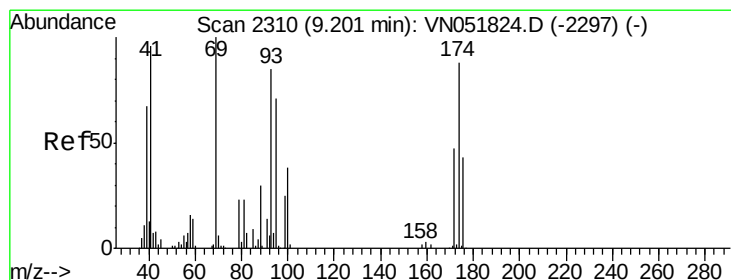
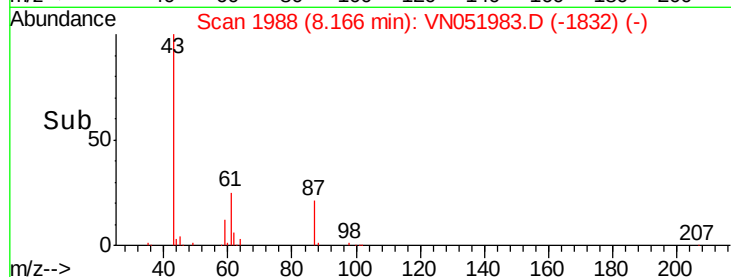
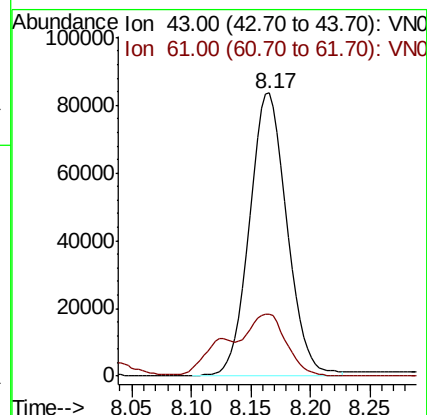
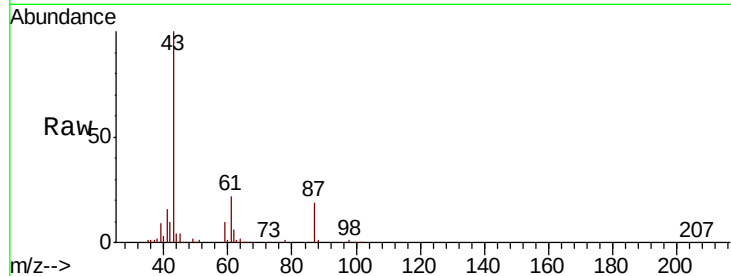


#44

Isopropyl Acetate
 Concen: 17.082 ug/l
 RT: 8.17 min Scan# 1988
 Delta R.T. 0.00 min
 Lab File: VN051983.D
 Acq: 24 Oct 2018 13:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1024WBSD02

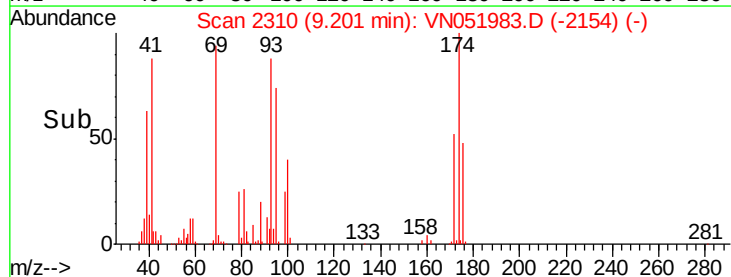
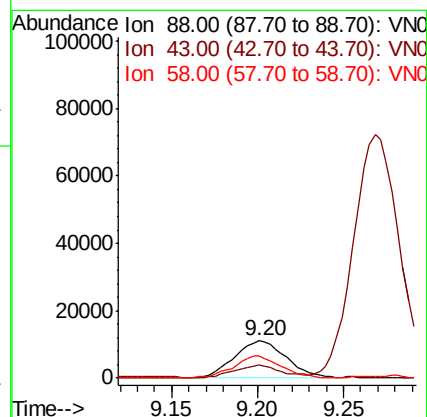
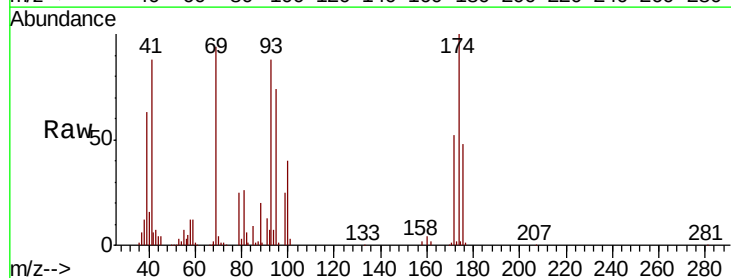
Tot Ion: 43 Resp: 183438
 Ion Ratio Lower Upper
 43 100
 61 21.4 15.9 23.9

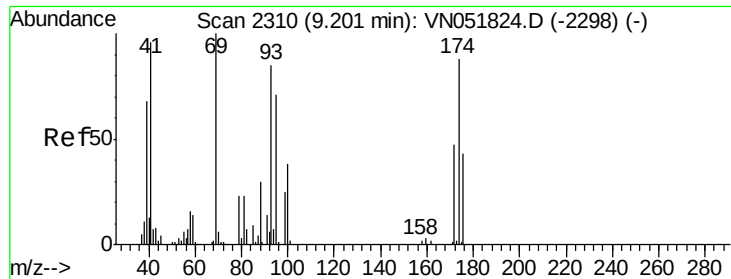


#45

1,4-Dioxane
 Concen: 272.567 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN051983.D
 Acq: 24 Oct 2018 13:07

Tgt Ion: 88 Resp: 23503
 Ion Ratio Lower Upper
 88 100
 43 27.3 26.2 39.2
 58 54.0 65.6 98.4#

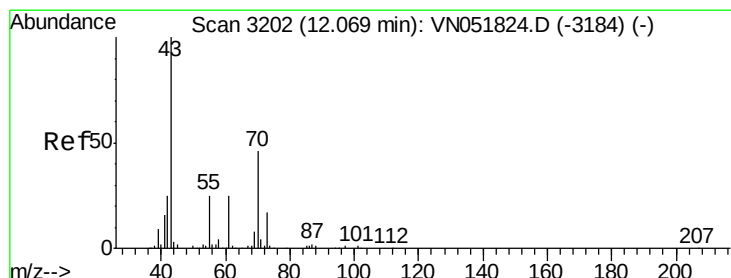
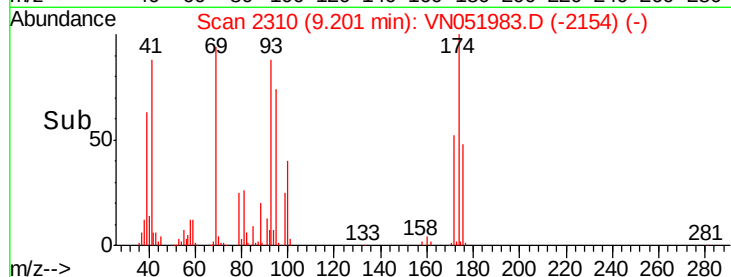
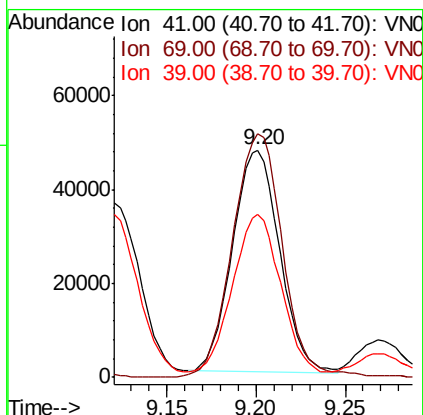
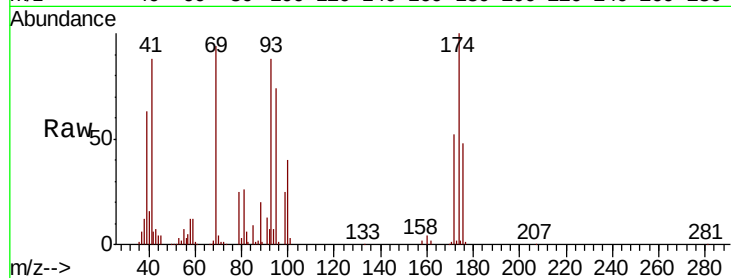




#46
Methyl methacrylate
Concen: 17.639 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN051983.D
Acq: 24 Oct 2018 13:07

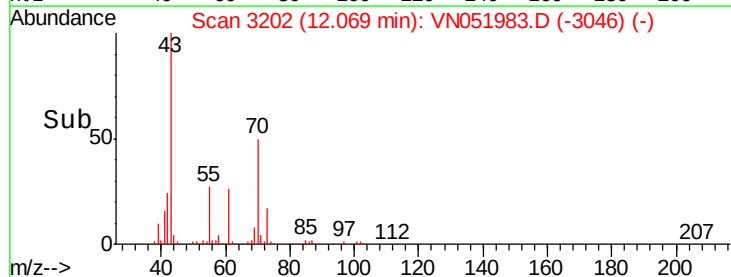
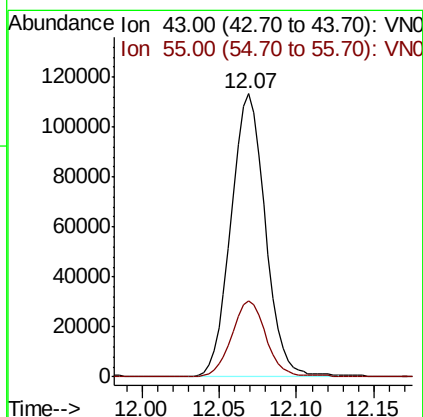
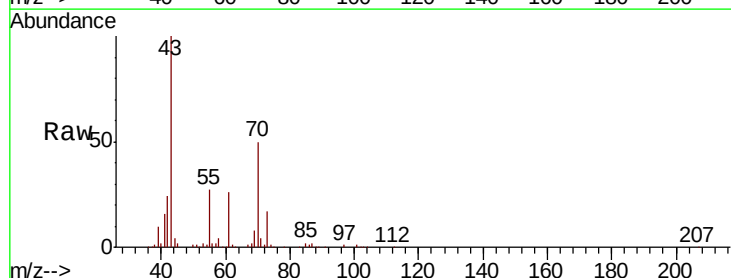
Instrument :
MSVOA_N
ClientSampleId :
VN1024WBSD02

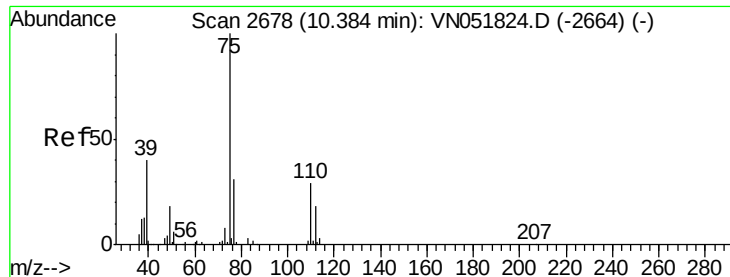
Tot Ion: 41 Resp: 87373
Ion Ratio Lower Upper
41 100
69 108.7 40.7 122.1
39 71.4 27.3 81.9



#47
n-ethyl Acetate
Concen: 19.217 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN051983.D
Acq: 24 Oct 2018 13:07

Tgt Ion: 43 Resp: 172761
Ion Ratio Lower Upper
43 100
55 27.0 12.2 18.4#





#48

t-1,3-Dichloropropene

Concen: 16.951 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN051983.D

Acq: 24 Oct 2018 13:07

Instrument :

MSVOA_N

ClientSampleId :

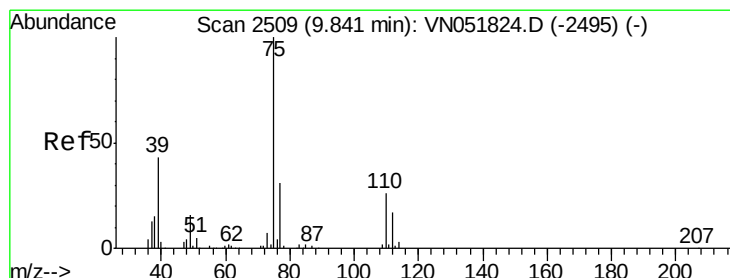
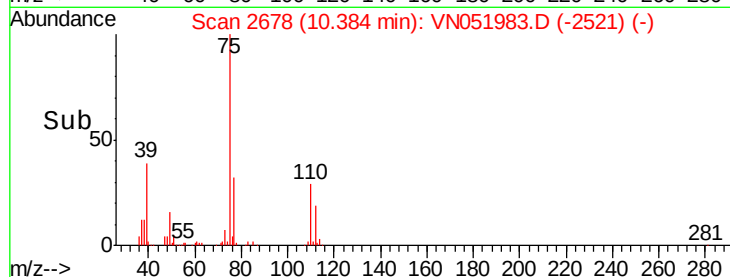
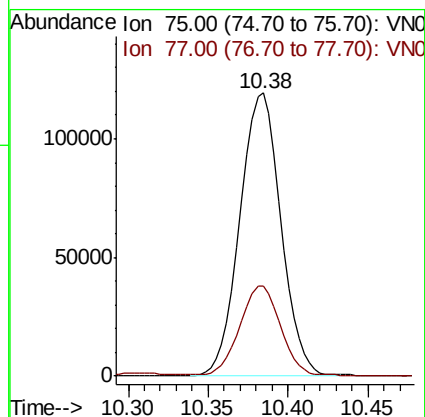
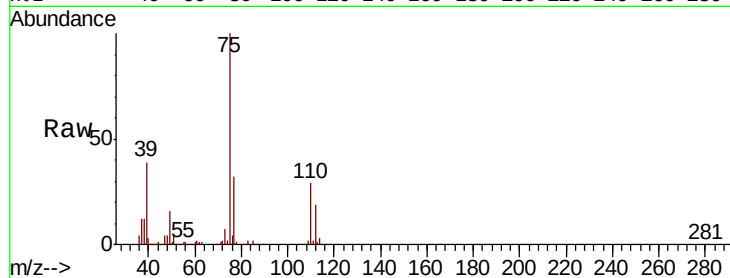
VN1024WBSD02

Tot Ion: 75 Resp: 209125

Ion Ratio Lower Upper

75 100

77 31.3 24.6 37.0



#49

cis-1,3-Dichloropropene

Concen: 18.024 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN051983.D

Acq: 24 Oct 2018 13:07

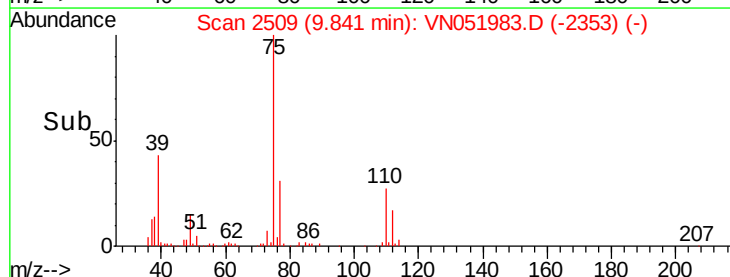
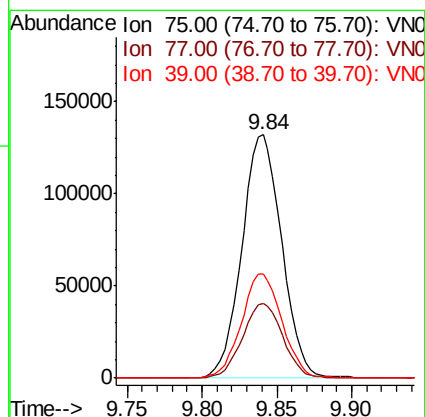
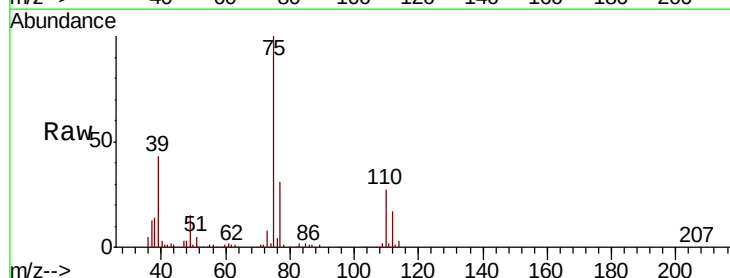
Tgt Ion: 75 Resp: 245123

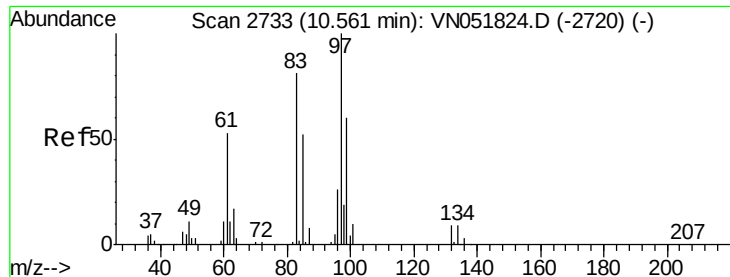
Ion Ratio Lower Upper

75 100

77 30.9 23.2 34.8

39 42.5 34.6 52.0

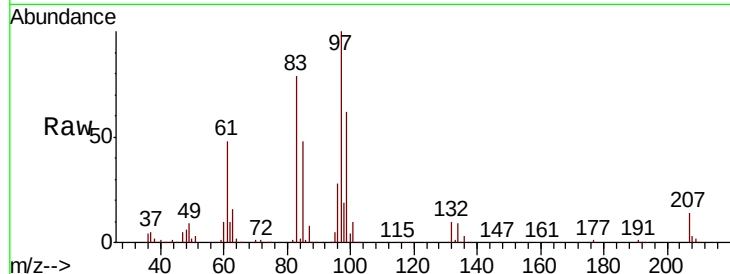




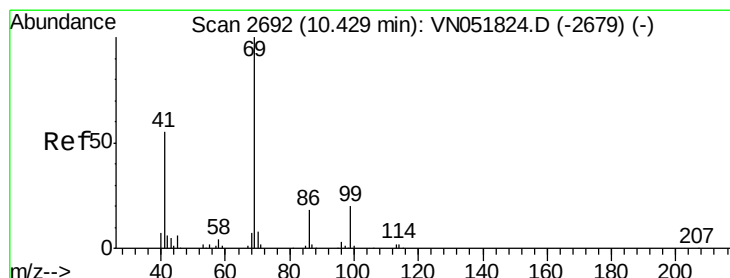
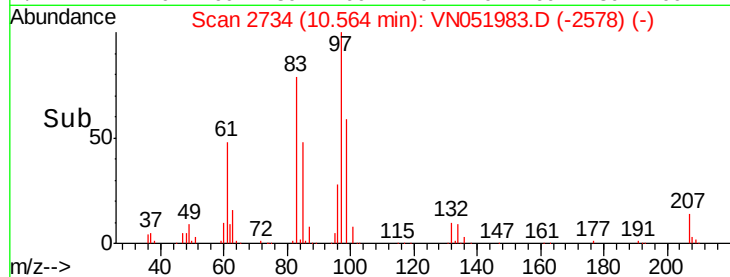
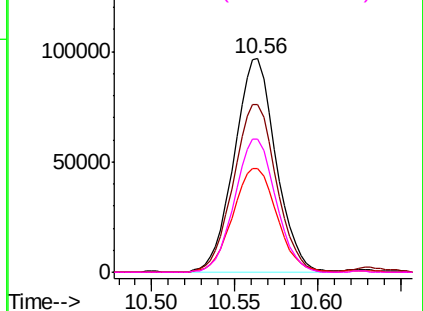
#50
 1,1,2-Trichloroethane
 Concen: 20.057 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN051983.D
 Acq: 24 Oct 2018 13:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1024WBSD02

Tot Ion:	97	Resp:	169729
Ion	Ratio	Lower	Upper
97	100		
83	78.5	68.2	102.4
85	48.2	42.5	63.7
99	62.0	44.3	66.5

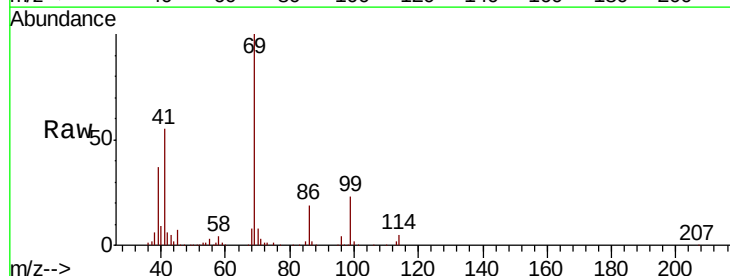


Abundance Ion 97.00 (96.70 to 97.70): VN0
 Ion 82.95 (82.65 to 83.65): VN0
 Ion 84.95 (84.65 to 85.65): VN0
 Ion 98.95 (98.65 to 99.65): VN0

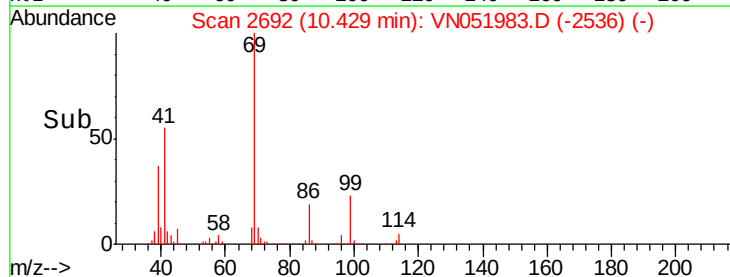
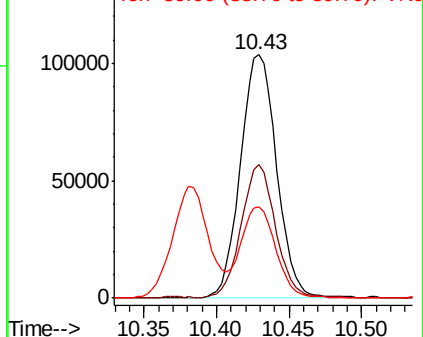


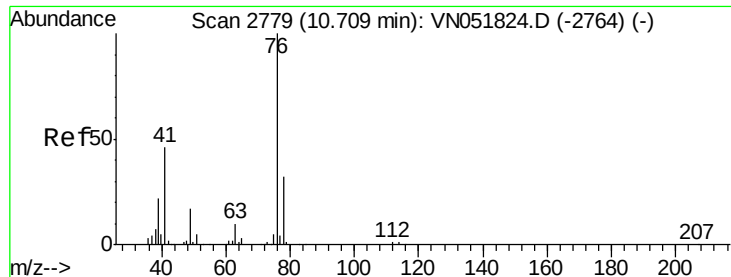
#51
 Ethyl methacrylate
 Concen: 18.590 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN051983.D
 Acq: 24 Oct 2018 13:07

Tgt Ion:	69	Resp:	180105
Ion	Ratio	Lower	Upper
69	100		
41	54.6	34.4	103.1
39	36.9	16.3	48.8



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





#52

1,3-Dichloropropane

Concen: 19.203 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN051983.D

Acq: 24 Oct 2018 13:07

Instrument :

MSVOA_N

ClientSampleId :

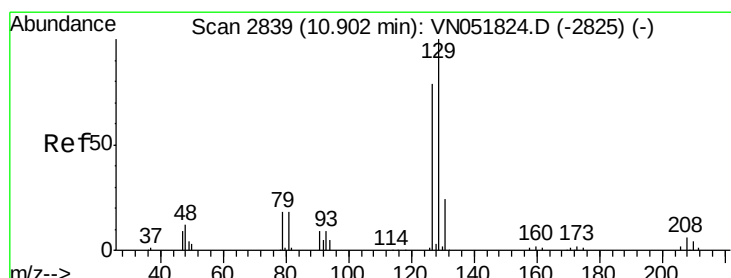
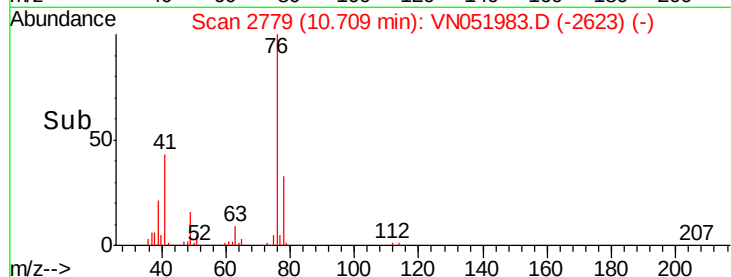
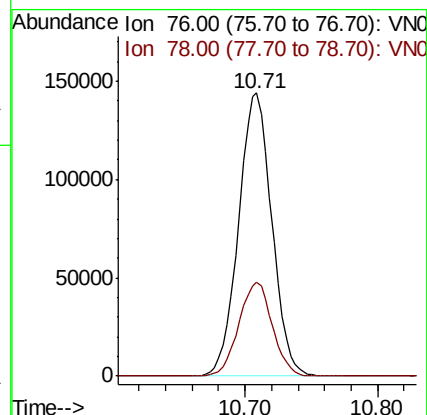
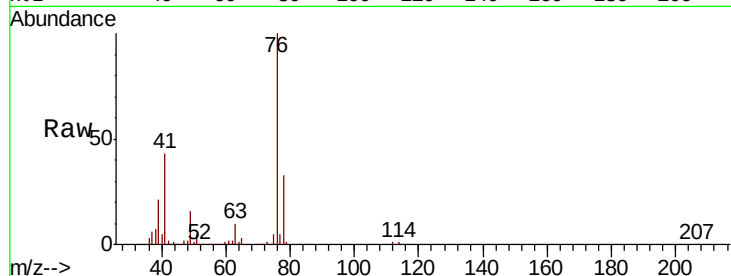
VN1024WBSD02

Tot Ion: 76 Resp: 250808

Ion Ratio Lower Upper

76 100

78 33.3 0.0 67.6



#53

Dibromochloromethane

Concen: 16.906 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN051983.D

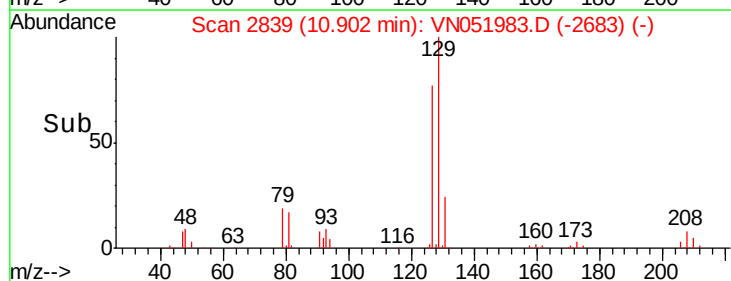
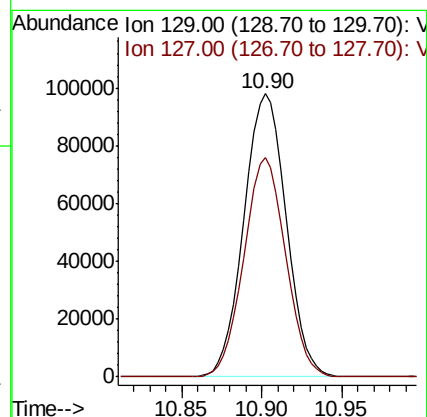
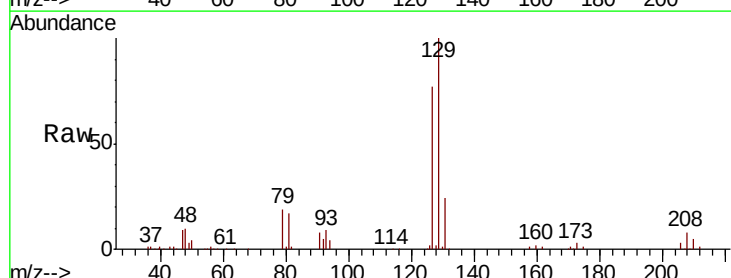
Acq: 24 Oct 2018 13:07

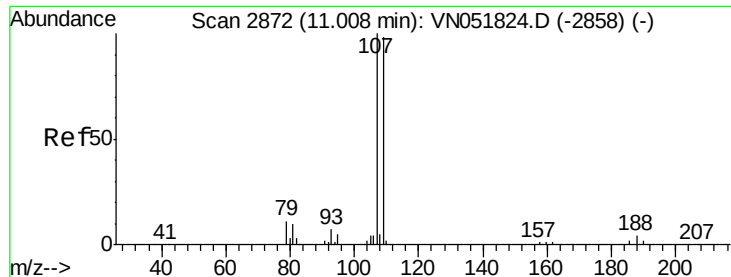
Tgt Ion: 129 Resp: 176989

Ion Ratio Lower Upper

129 100

127 76.3 40.2 120.5





#54

1,2-Dibromoethane

Concen: 19.015 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN051983.D

Acq: 24 Oct 2018 13:07

Instrument :

MSVOA_N

ClientSampleId :

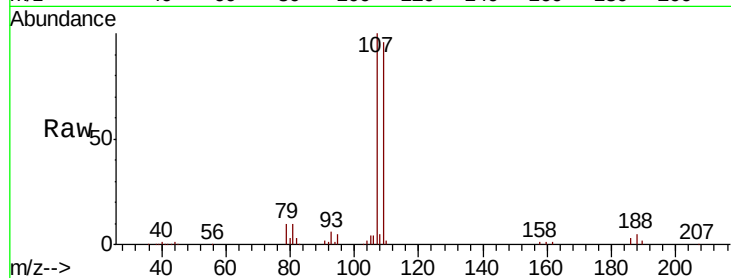
VN1024WBSD02

Tot Ion:107 Resp: 168901

Ion Ratio Lower Upper

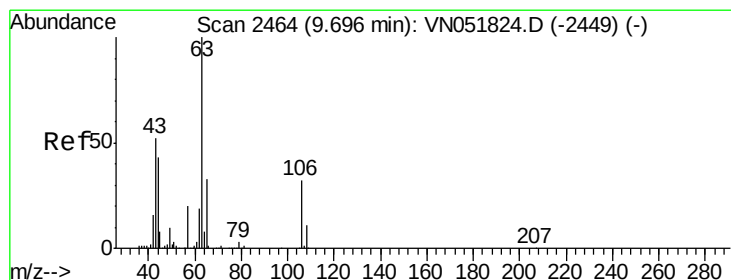
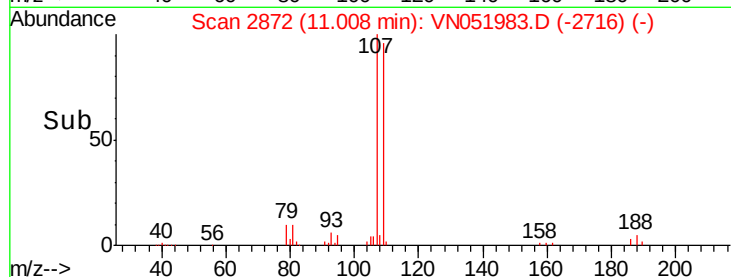
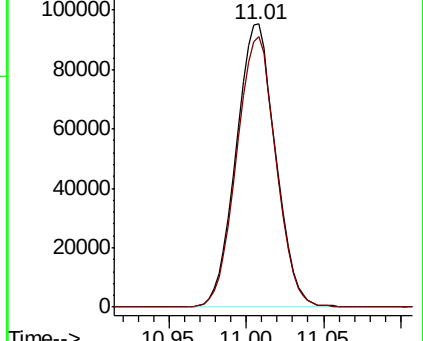
107 100

109 95.5 77.4 116.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#55

2-Chloroethyl vinyl ether

Concen: 115.389 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN051983.D

Acq: 24 Oct 2018 13:07

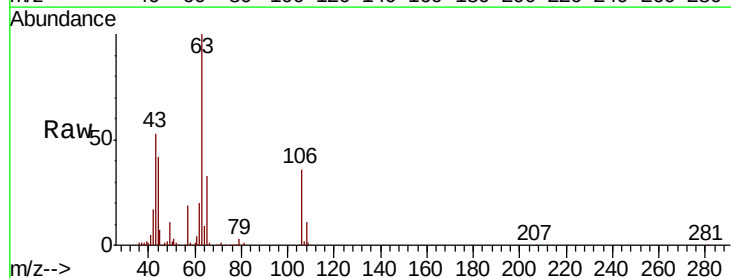
Tgt Ion: 63 Resp: 477912

Ion Ratio Lower Upper

63 100

65 33.0 25.4 38.0

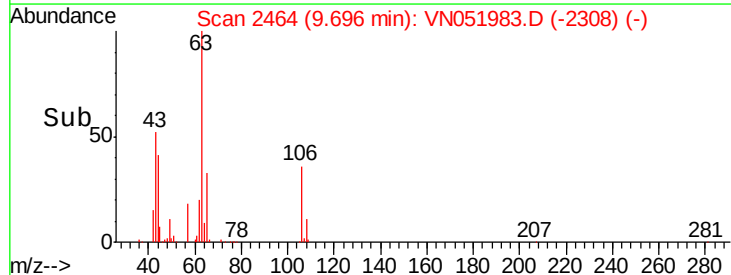
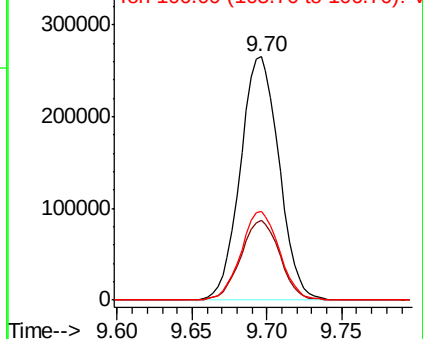
106 36.2 21.2 31.8#

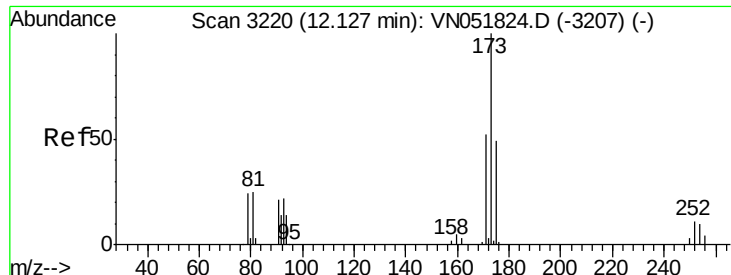


Abundance Ion 63.00 (62.70 to 63.70): V

Ion 65.00 (64.70 to 65.70): V

Ion 106.00 (105.70 to 106.70): V

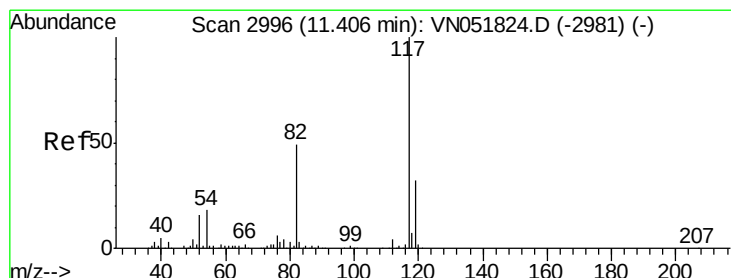
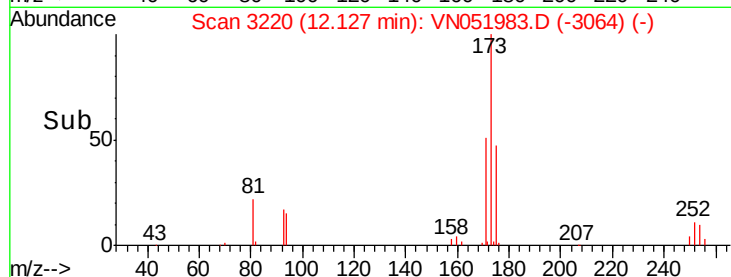
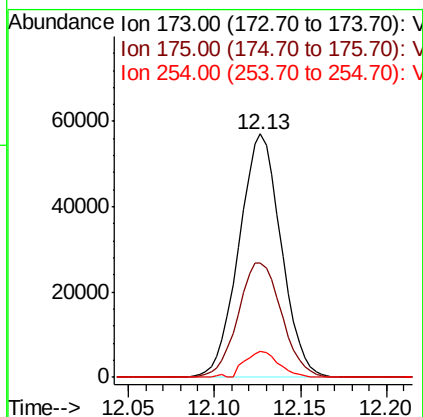
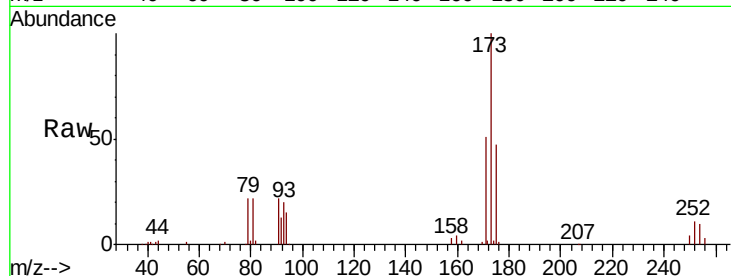




#56
Bromoform
Concen: 14.055 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN051983.D
Acq: 24 Oct 2018 13:07

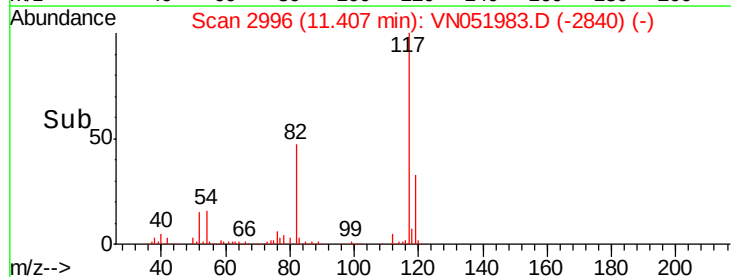
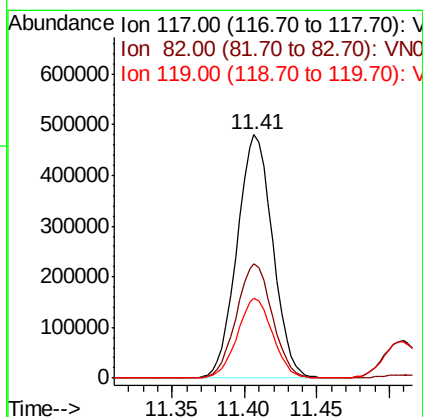
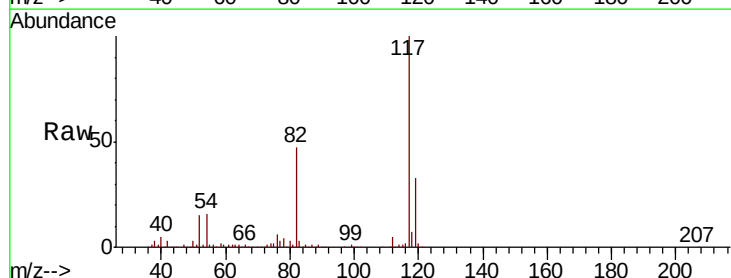
Instrument :
MSVOA_N
ClientSampleId :
VN1024WBSD02

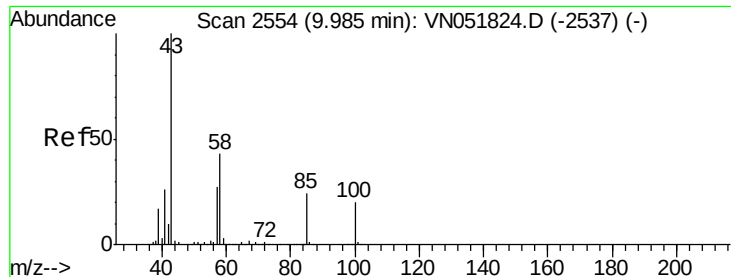
Tot Ion:173 Resp: 97042
Ion Ratio Lower Upper
173 100
175 48.7 35.8 53.8
254 8.5 8.6 13.0#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN051983.D
Acq: 24 Oct 2018 13:07

Tgt Ion:117 Resp: 822558
Ion Ratio Lower Upper
117 100
82 47.3 44.1 66.1
119 32.4 25.8 38.8

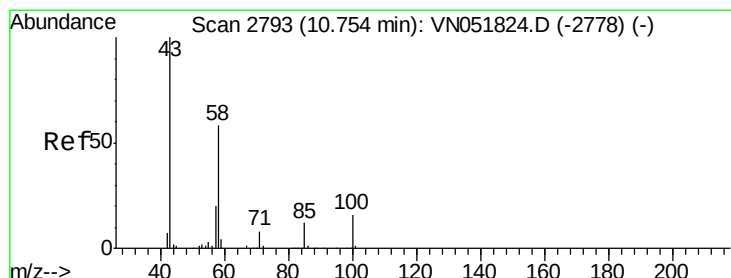
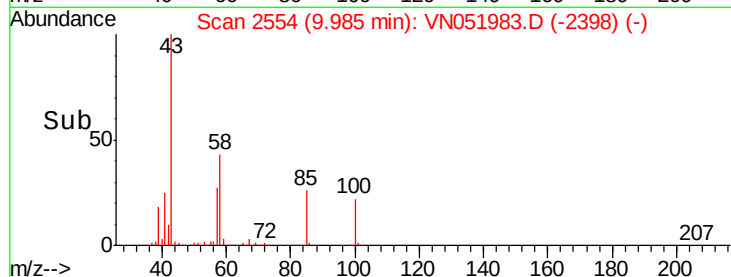
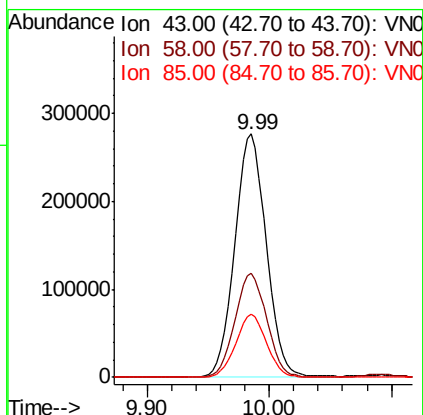
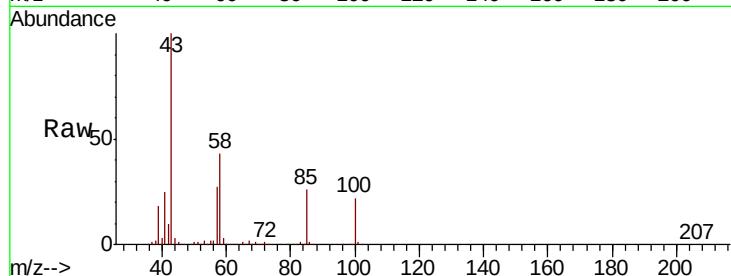




#58
4-Methyl-2-Pentanone
Concen: 89.607 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN051983.D
Acq: 24 Oct 2018 13:07

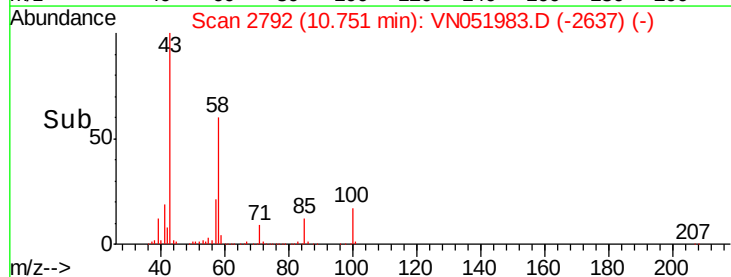
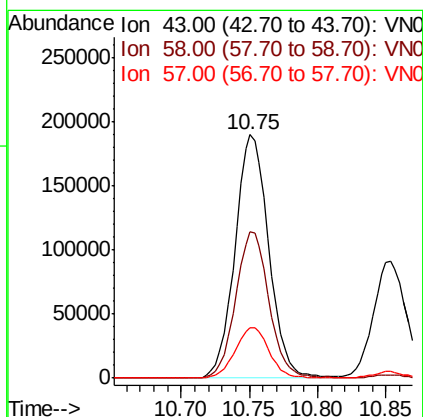
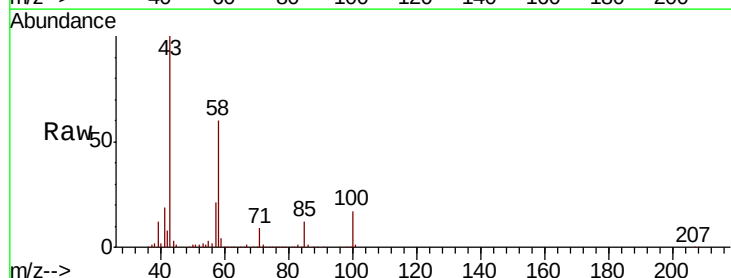
Instrument :
MSVOA_N
ClientSampleId :
VN1024WBSD02

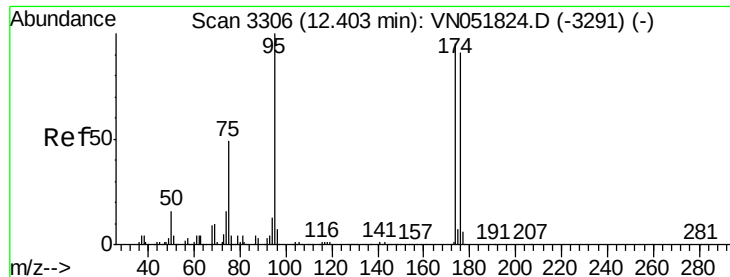
Tot Ion: 43 Resp: 493243
Ion Ratio Lower Upper
43 100
58 43.1 29.3 43.9
85 25.3 12.6 18.8#



#59
2-Hexanone
Concen: 87.307 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN051983.D
Acq: 24 Oct 2018 13:07

Tgt Ion: 43 Resp: 324220
Ion Ratio Lower Upper
43 100
58 59.5 41.3 61.9
57 20.8 13.4 20.0#

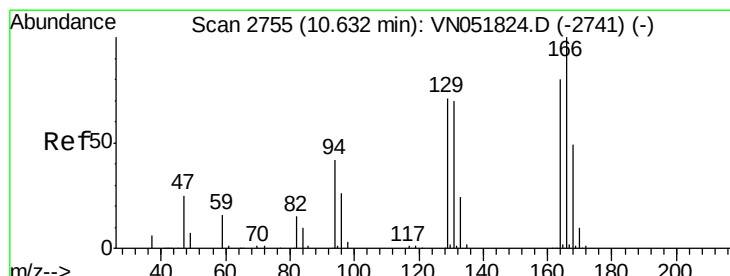
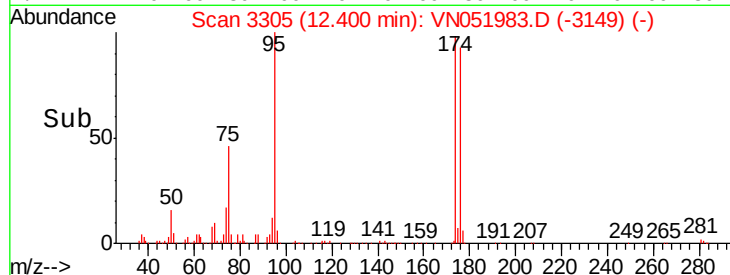
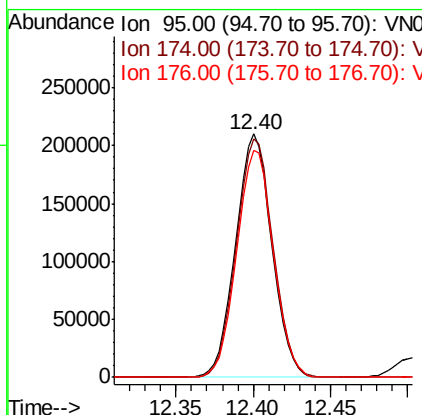
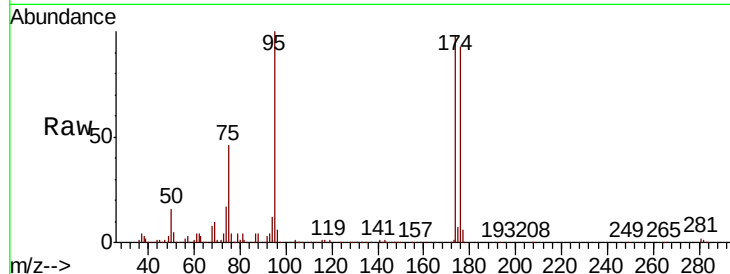




#60
4-Bromofluorobenzene
Concen: 87.307 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN051983.D
Acq: 24 Oct 2018 13:07

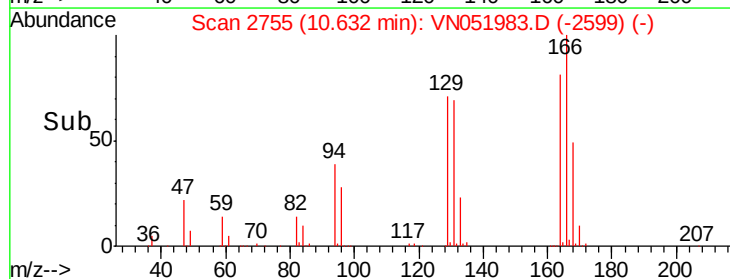
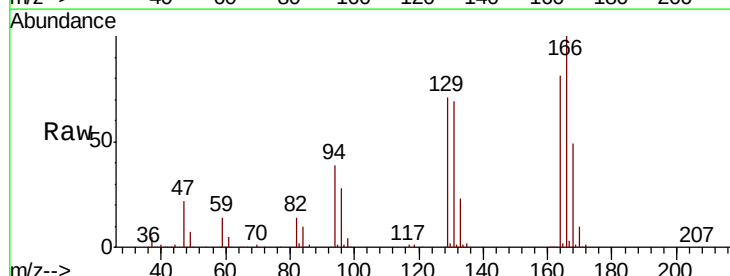
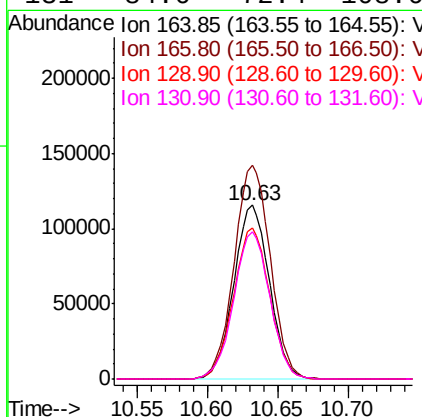
Instrument :
MSVOA_N
ClientSampleId :
VN1024WBSD02

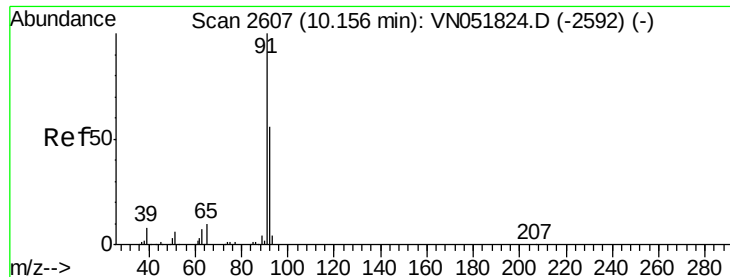
Tot Ion	Ratio	Lower	Upper
95	100		
174	99.6	73.5	110.3
176	94.6	70.2	105.2



#61
Tetrachloroethene
Concen: 19.449 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN051983.D
Acq: 24 Oct 2018 13:07

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.0	98.7	148.1
129	86.9	69.6	104.4
131	84.6	72.4	108.6





#62

Toluene

Concen: 20.056 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN051983.D

Acq: 24 Oct 2018 13:07

Instrument :

MSVOA_N

ClientSampleId :

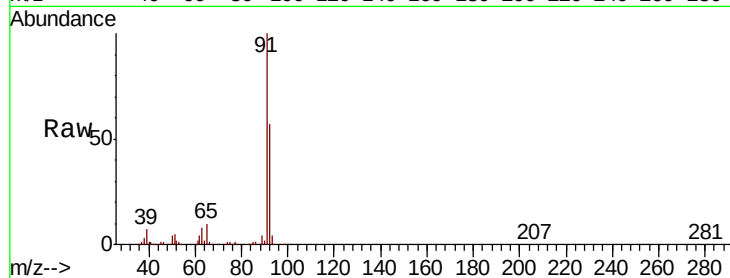
VN1024WBSD02

Tot Ion: 91 Resp: 819544

Ion Ratio Lower Upper

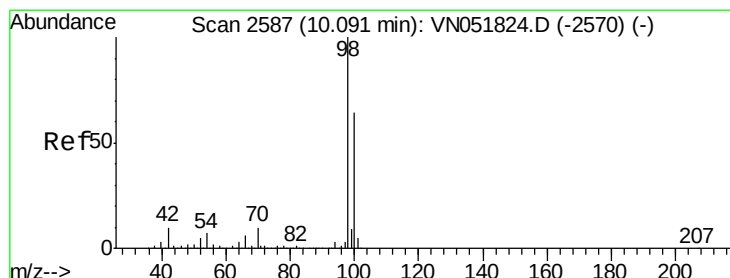
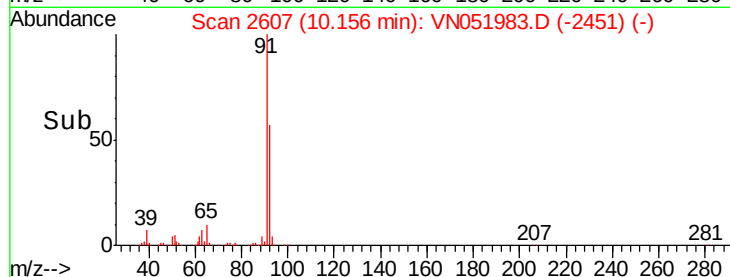
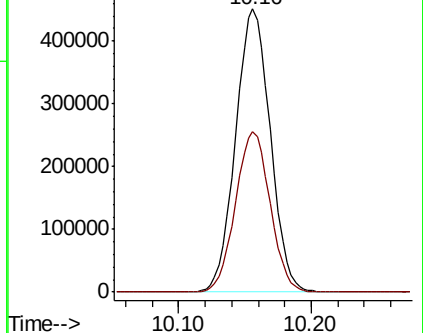
91 100

92 56.8 44.6 66.8



Abundance Ion 91.00 (90.70 to 91.70): VN051824.D (-2592) (-)

Ion 92.00 (91.70 to 92.70): VN051824.D (-2592) (-)



#63

Toluene-d8

Concen: 20.056 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN051983.D

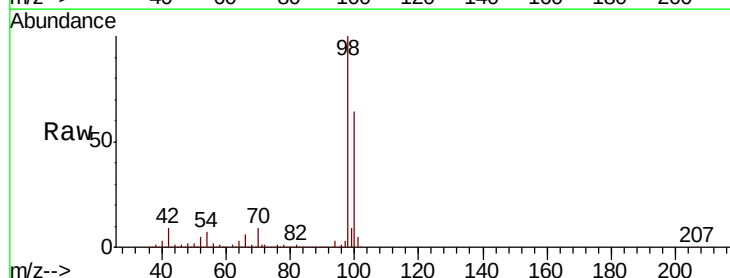
Acq: 24 Oct 2018 13:07

Tgt Ion: 98 Resp: 1058606

Ion Ratio Lower Upper

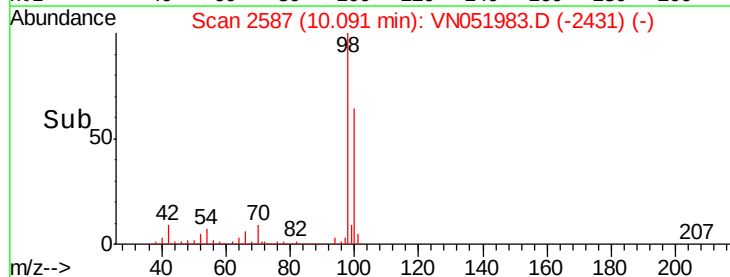
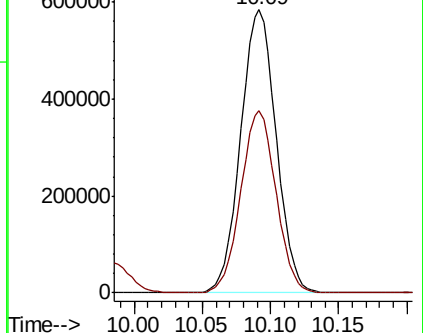
98 100

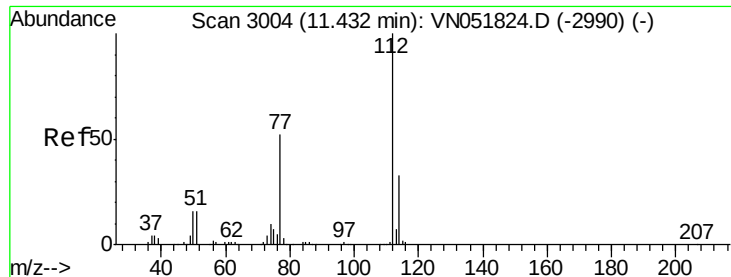
100 63.4 50.8 76.2



Abundance Ion 98.00 (97.70 to 98.70): VN051824.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN051824.D (-2570) (-)

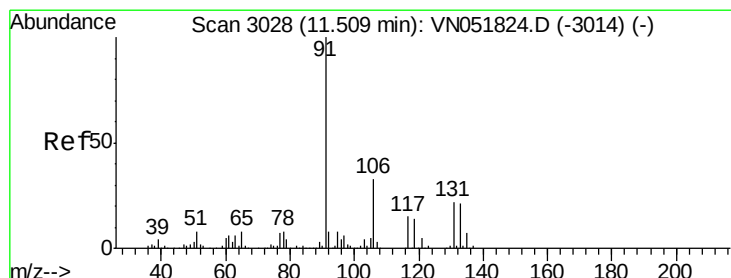
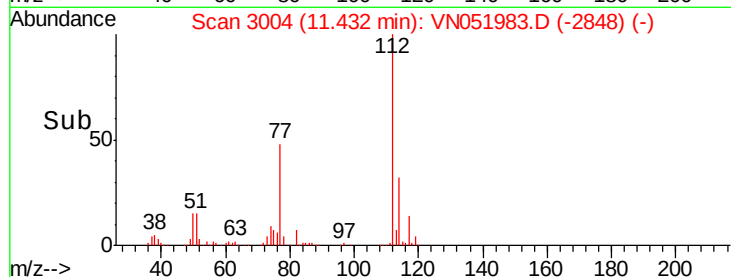
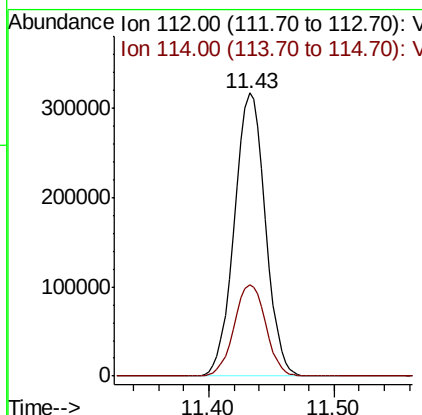
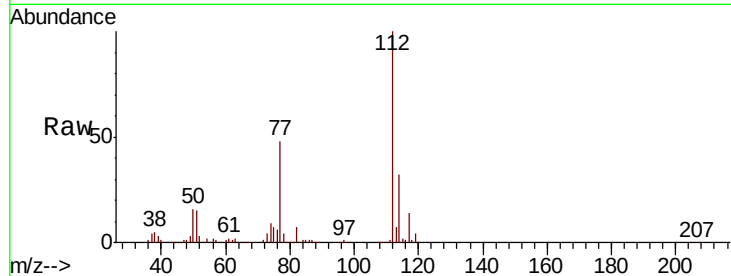




#64
Chlorobenzene
Concen: 20.367 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN051983.D
Acq: 24 Oct 2018 13:07

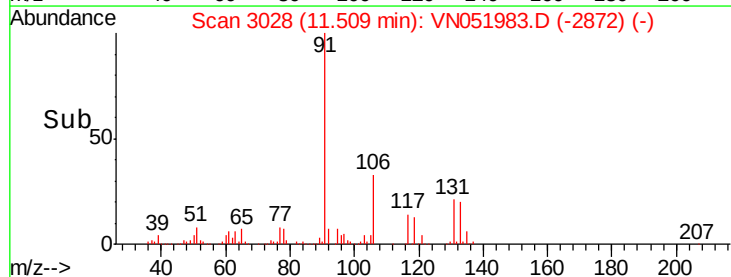
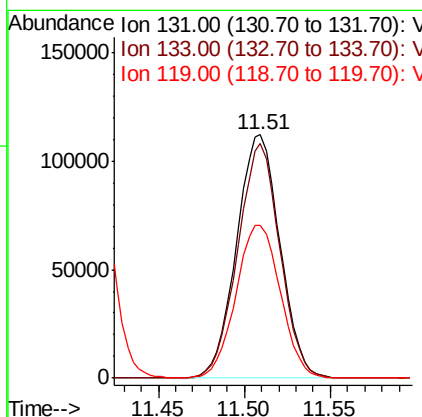
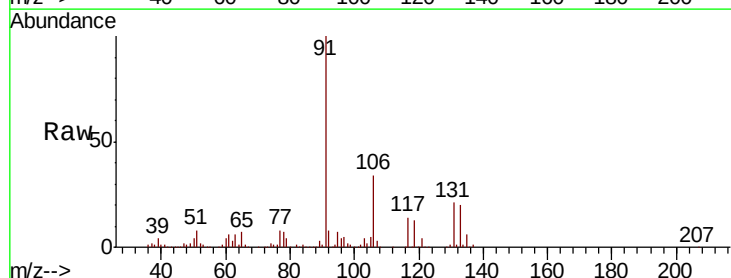
Instrument :
MSVOA_N
ClientSampleId :
VN1024WBSD02

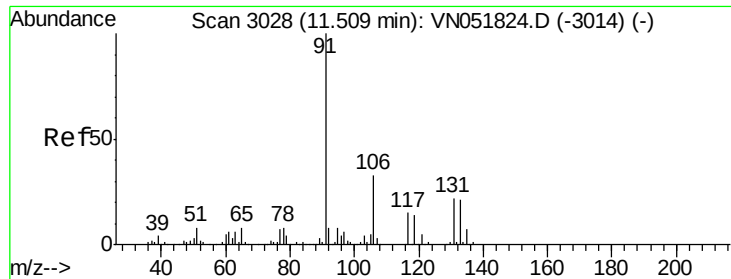
Tot Ion:112 Resp: 545069
Ion Ratio Lower Upper
112 100
114 32.2 27.5 41.3



#65
1,1,1,2-Tetrachloroethane
Concen: 19.079 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN051983.D
Acq: 24 Oct 2018 13:07

Tgt Ion:131 Resp: 195980
Ion Ratio Lower Upper
131 100
133 93.9 0.0 190.4
119 64.7 0.0 128.0

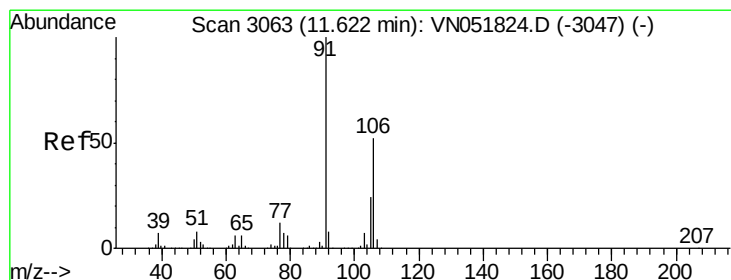
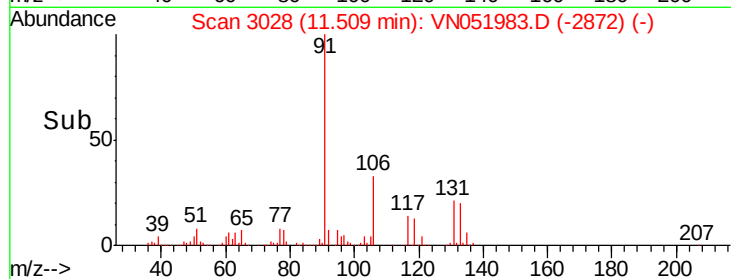
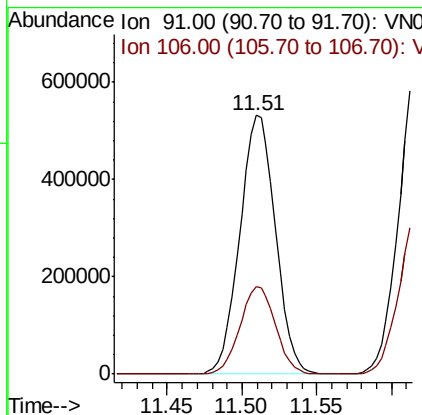
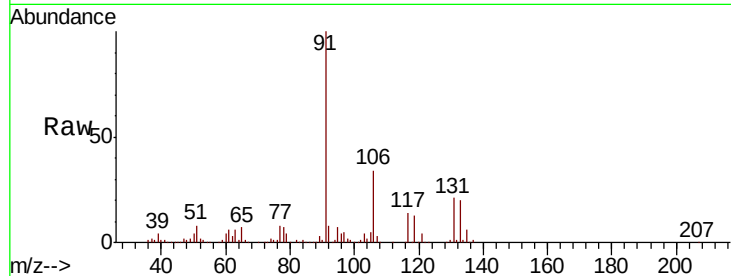




#66
Ethyl Benzene
Concen: 19.536 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN051983.D
Acq: 24 Oct 2018 13:07

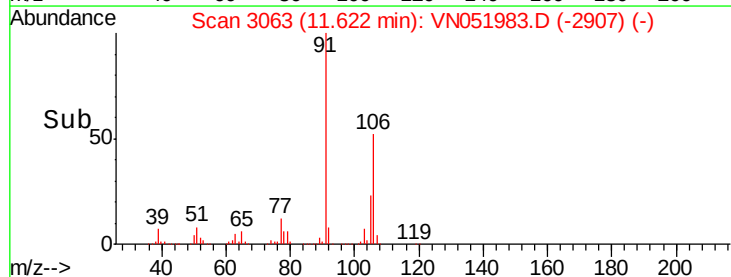
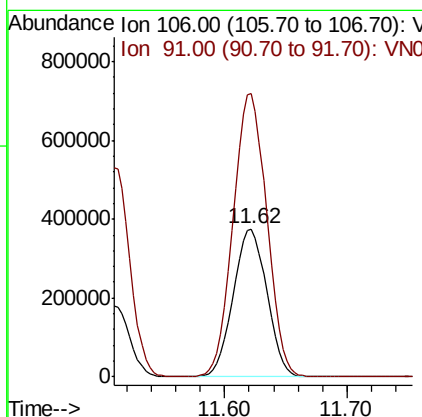
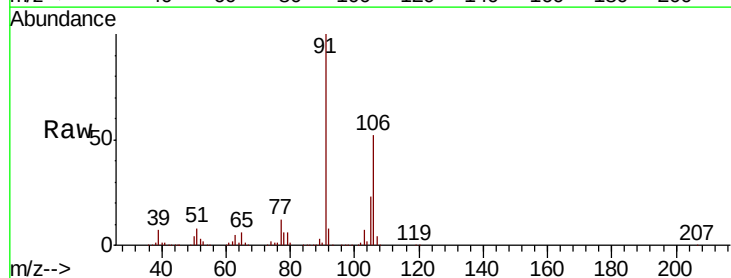
Instrument :
MSVOA_N
ClientSampled :
VN1024WBSD02

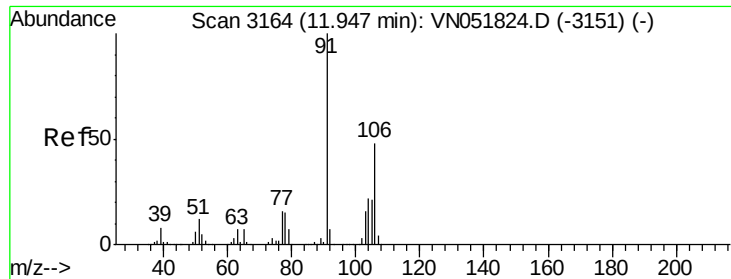
Tot Ion: 91 Resp: 882295
Ion Ratio Lower Upper
91 100
106 33.7 25.9 38.9



#67
m/p-Xylenes
Concen: 39.189 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN051983.D
Acq: 24 Oct 2018 13:07

Tgt Ion: 106 Resp: 717549
Ion Ratio Lower Upper
106 100
91 191.3 158.8 238.2

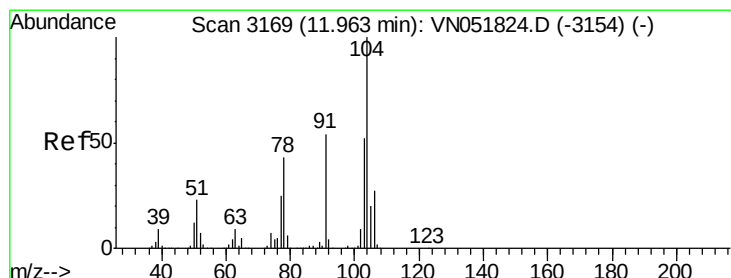
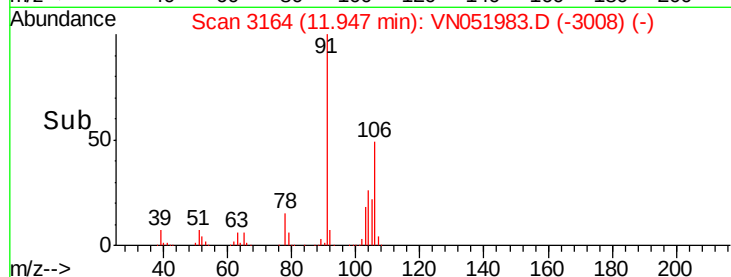
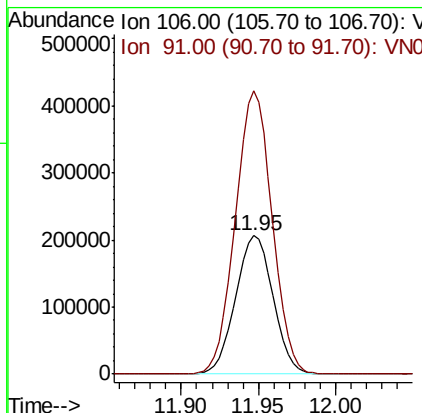
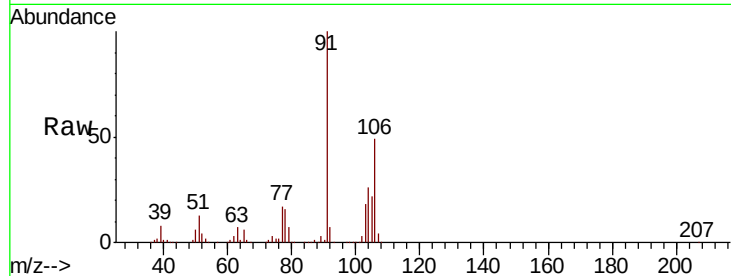




#68
o-Xylene
Concen: 19.195 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN051983.D
Acq: 24 Oct 2018 13:07

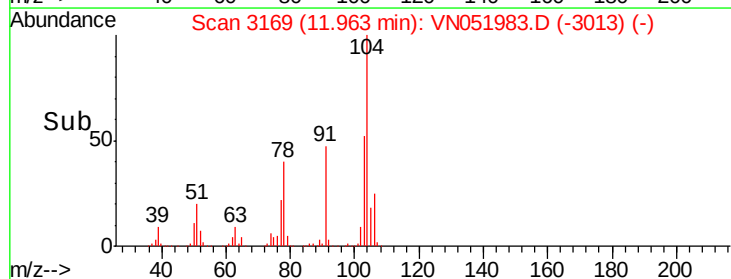
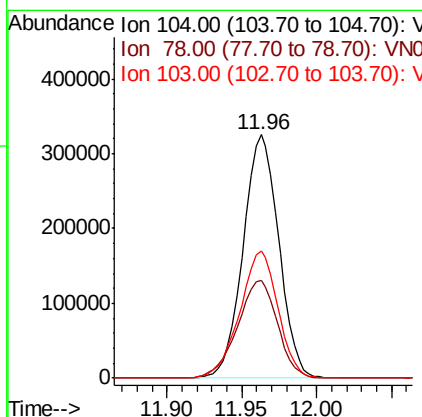
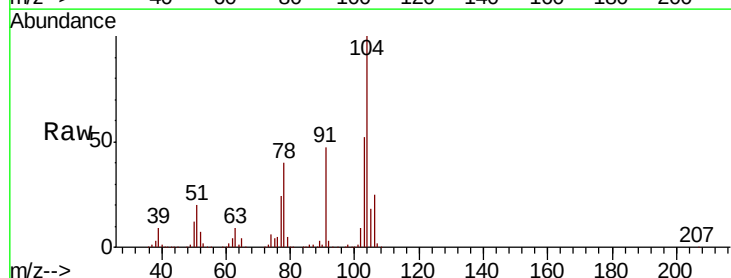
Instrument :
MSVOA_N
ClientSampleId :
VN1024WBSD02

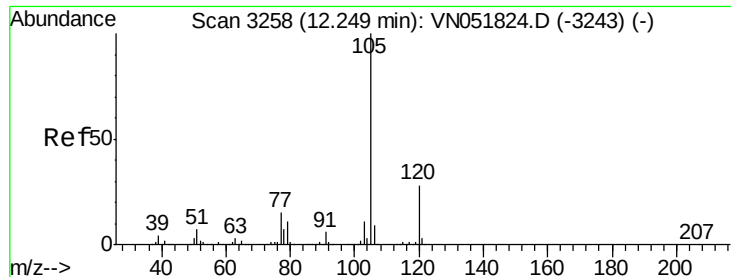
Tot Ion:106 Resp: 346477
Ion Ratio Lower Upper
106 100
91 201.3 111.1 333.3



#69
Styrene
Concen: 19.502 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN051983.D
Acq: 24 Oct 2018 13:07

Tgt Ion:104 Resp: 540090
Ion Ratio Lower Upper
104 100
78 44.9 40.6 60.8
103 56.0 44.0 66.0





#70

Isopropylbenzene

Concen: 19.162 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN051983.D

Acq: 24 Oct 2018 13:07

Instrument :

MSVOA_N

ClientSampleId :

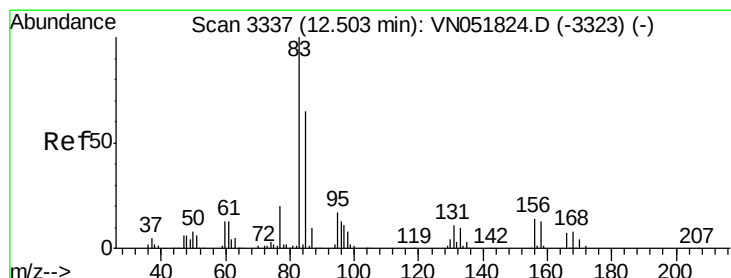
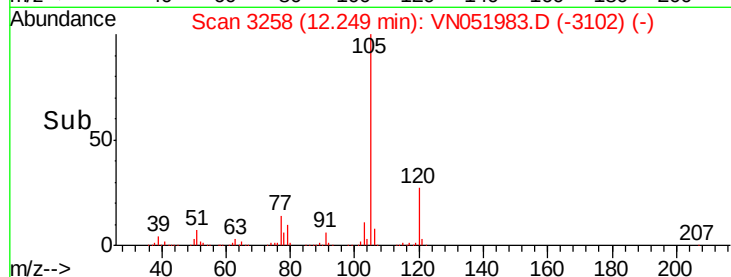
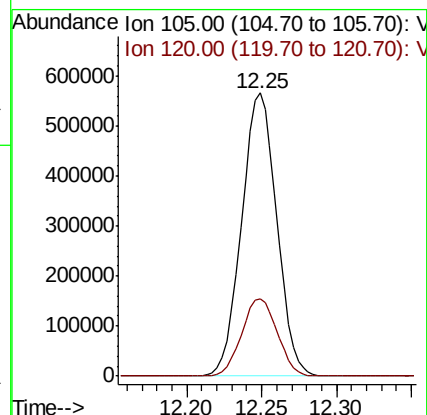
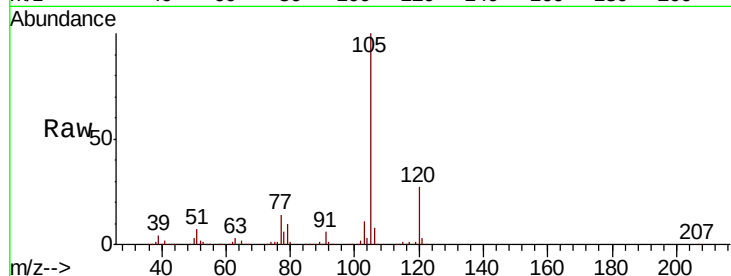
VN1024WBSD02

Tot Ion:105 Resp: 922336

Ion Ratio Lower Upper

105 100

120 27.7 19.0 35.4



#71

1,1,2,2-Tetrachloroethane

Concen: 16.734 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN051983.D

Acq: 24 Oct 2018 13:07

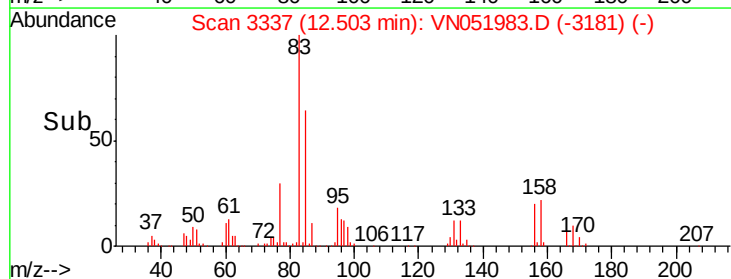
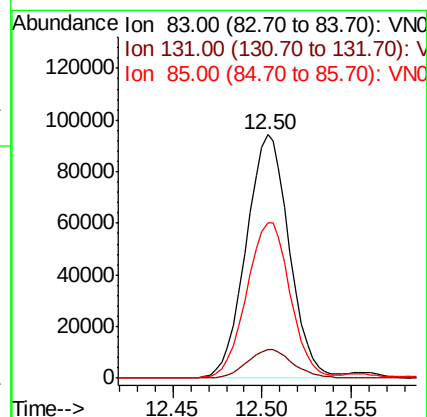
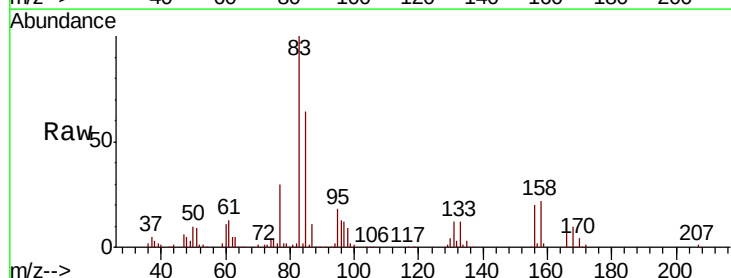
Tgt Ion: 83 Resp: 159068

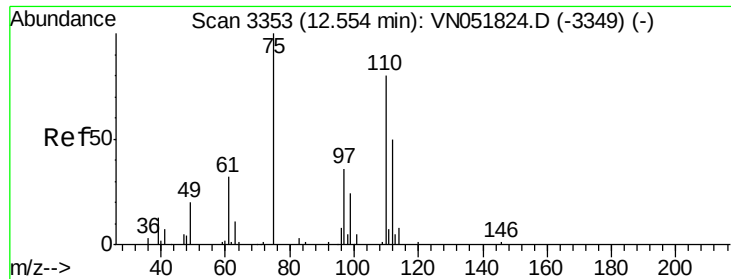
Ion Ratio Lower Upper

83 100

131 12.3 5.5 16.4

85 64.6 30.6 91.8





#72

1,2,3-Trichloropropane

Concen: 25.740 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN051983.D

Acq: 24 Oct 2018 13:07

Instrument :

MSVOA_N

ClientSampleId :

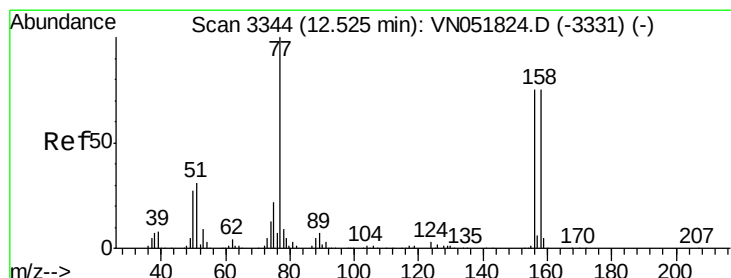
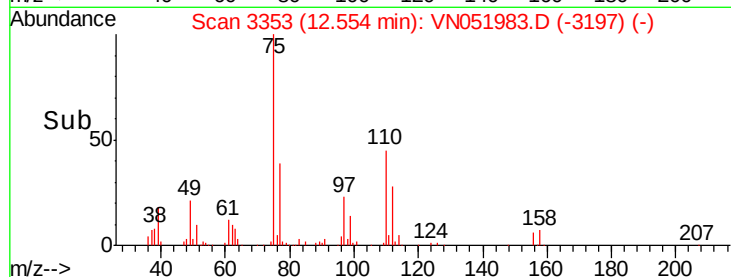
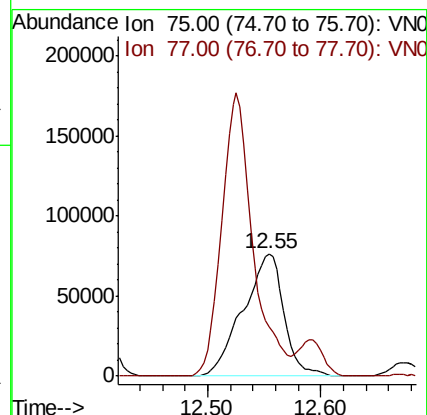
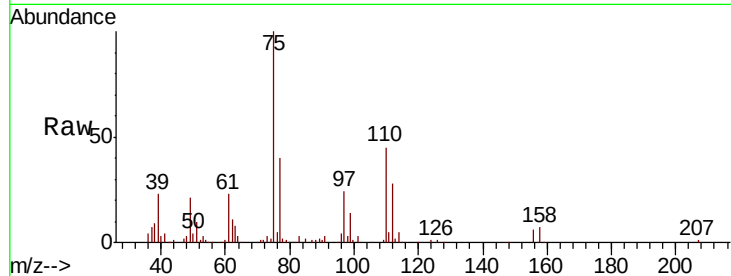
VN1024WBSD02

Tot Ion: 75 Resp: 192488

Ion Ratio Lower Upper

75 100

77 176.1 0.0 400.0



#73

Bromobenzene

Concen: 19.705 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN051983.D

Acq: 24 Oct 2018 13:07

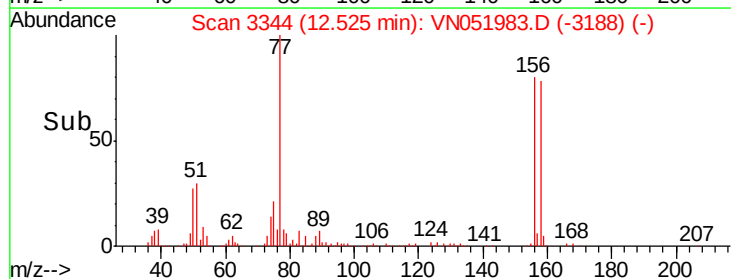
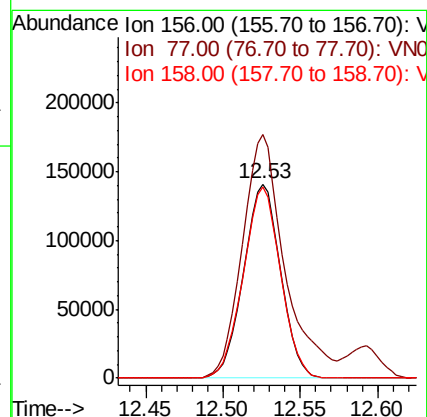
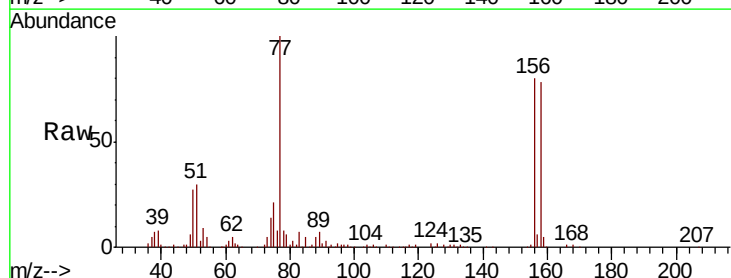
Tgt Ion: 156 Resp: 234941

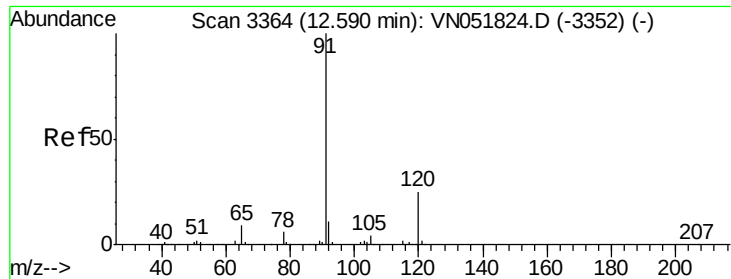
Ion Ratio Lower Upper

156 100

77 144.3 0.0 377.4

158 99.3 0.0 203.0





#74

n-propylbenzene

Concen: 19.095 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN051983.D

Acq: 24 Oct 2018 13:07

Instrument :

MSVOA_N

ClientSampleId :

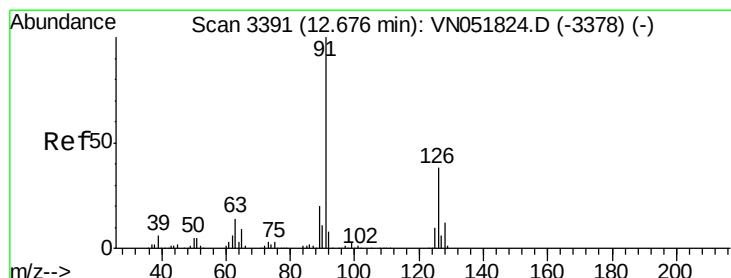
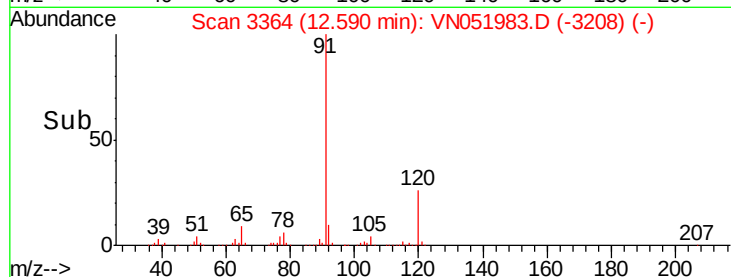
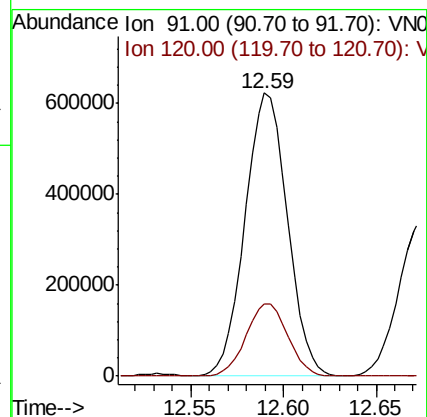
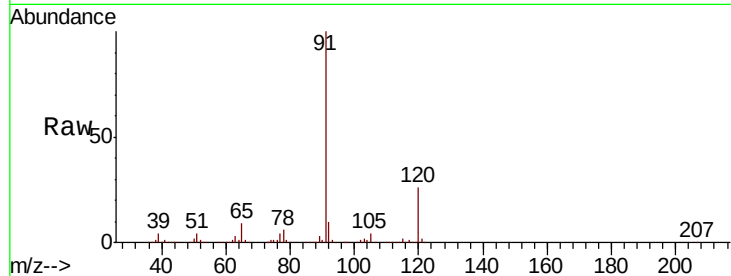
VN1024WBSD02

Tot Ion: 91 Resp: 988673

Ion Ratio Lower Upper

91 100

120 25.3 0.0 45.0



#75

2-Chlorotoluene

Concen: 18.763 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN051983.D

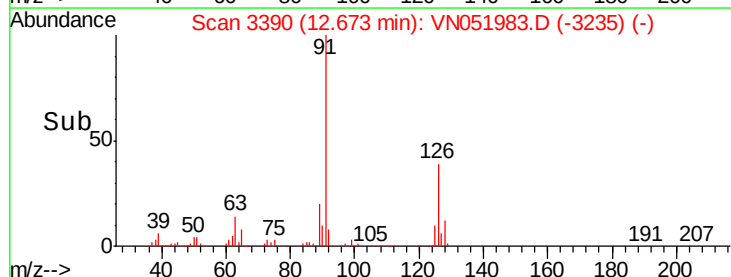
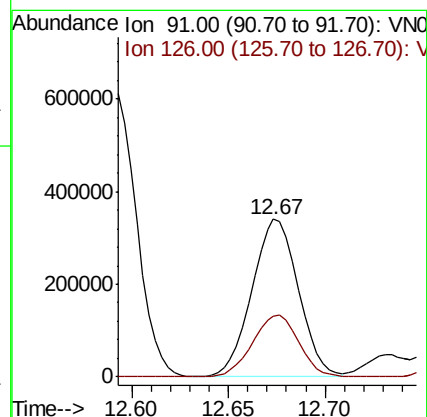
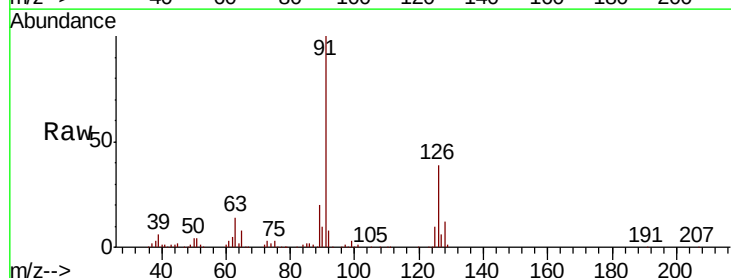
Acq: 24 Oct 2018 13:07

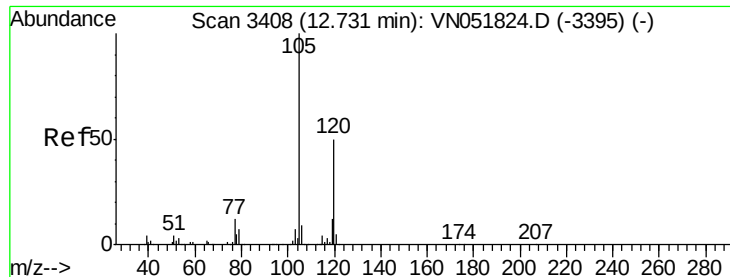
Tgt Ion: 91 Resp: 569523

Ion Ratio Lower Upper

91 100

126 38.9 0.0 67.6





#76

1,3,5-Trimethylbenzene

Concen: 18.196 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN051983.D

Acq: 24 Oct 2018 13:07

Instrument :

MSVOA_N

ClientSampleId :

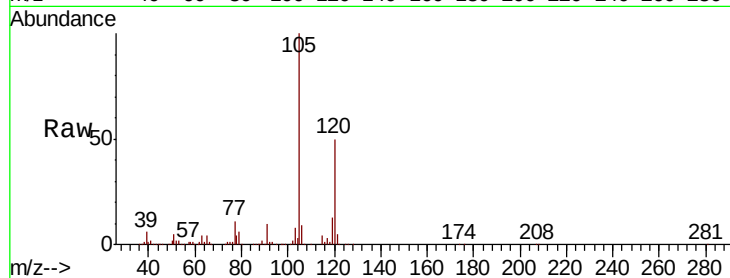
VN1024WBSD02

Tot Ion:105 Resp: 724277

Ion Ratio Lower Upper

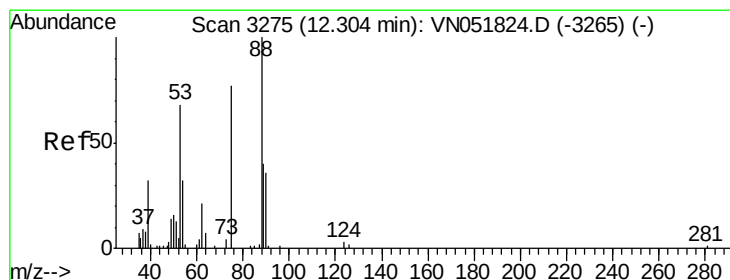
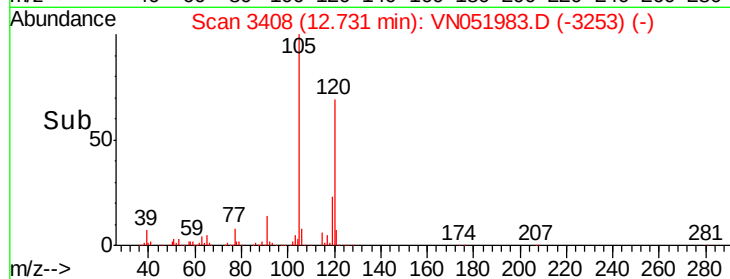
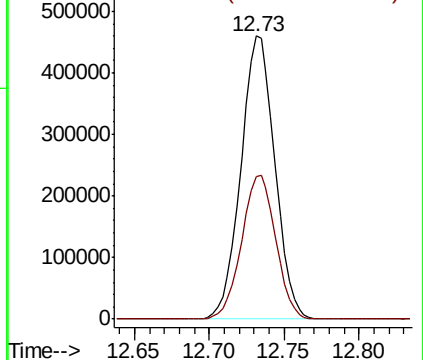
105 100

120 51.1 0.0 98.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#77

t-1,4-Dichloro-2-butene

Concen: 12.967 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN051983.D

Acq: 24 Oct 2018 13:07

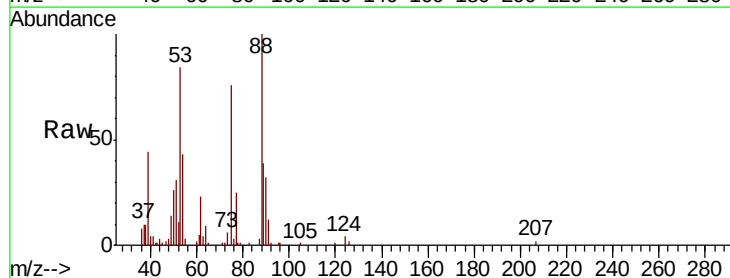
Tgt Ion: 75 Resp: 32071

Ion Ratio Lower Upper

75 100

53 110.3 46.3 138.9

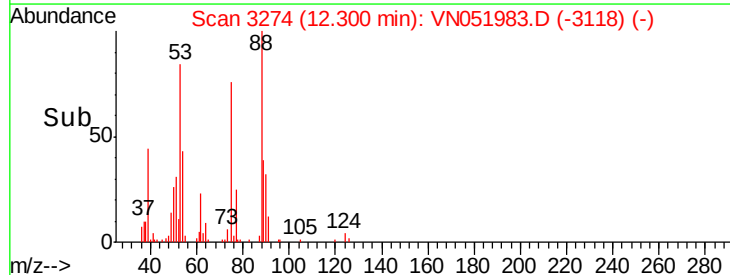
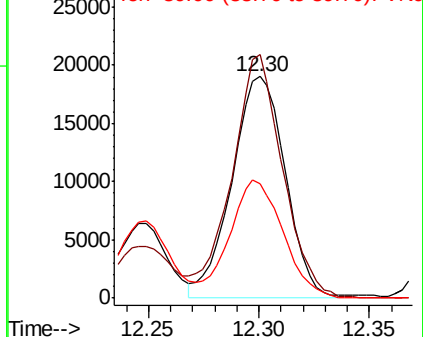
89 52.3 24.6 73.8

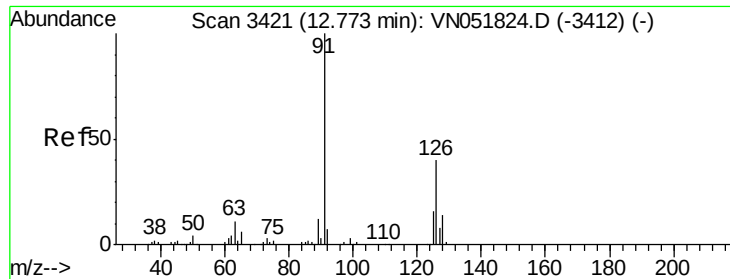


Abundance Ion 75.00 (74.70 to 75.70): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 89.00 (88.70 to 89.70): VNO

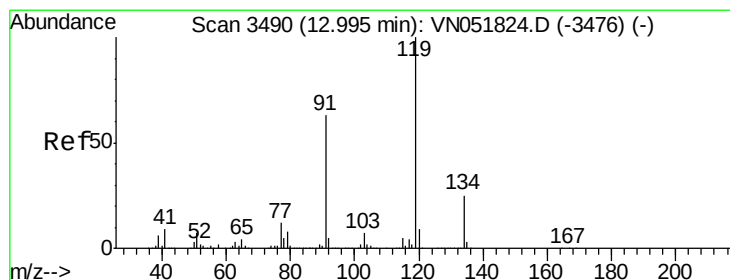
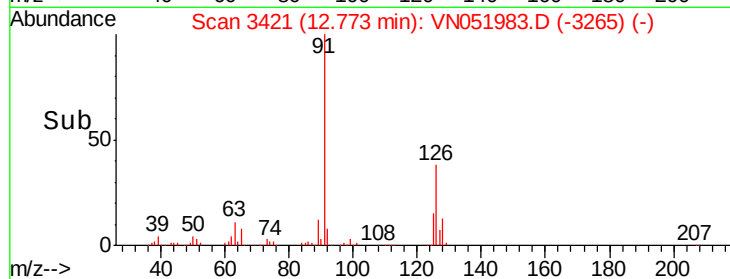
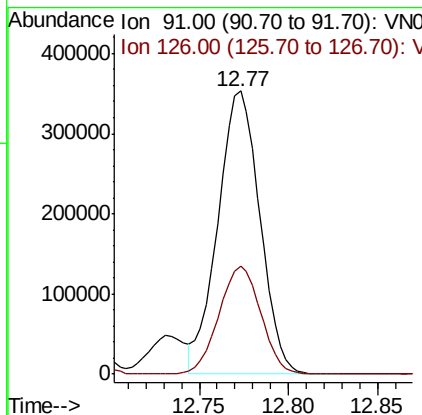
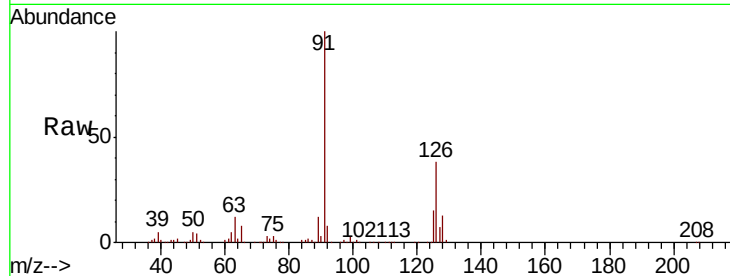




#78
4-Chlorotoluene
Concen: 19.330 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN051983.D
Acq: 24 Oct 2018 13:07

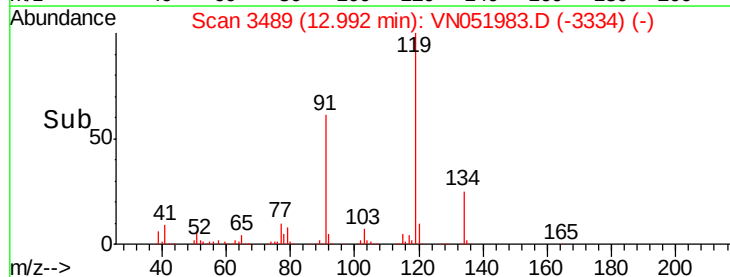
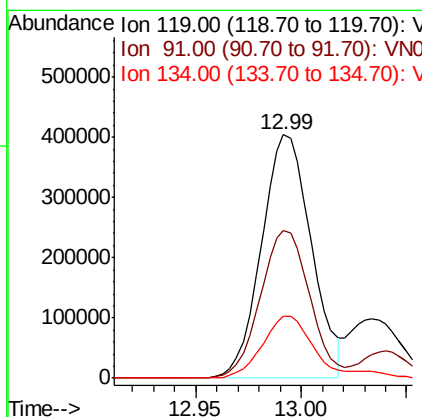
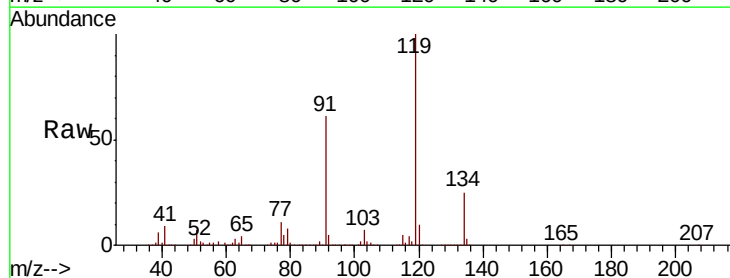
Instrument :
MSVOA_N
ClientSampleId :
VN1024WBSD02

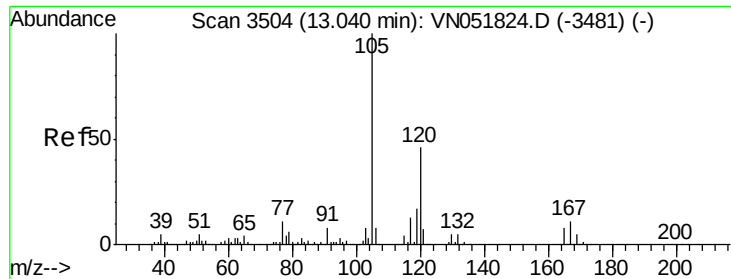
Tot Ion: 91 Resp: 576476
Ion Ratio Lower Upper
91 100
126 38.0 0.0 65.2



#79
tert-butylbenzene
Concen: 18.152 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN051983.D
Acq: 24 Oct 2018 13:07

Tgt Ion: 119 Resp: 664463
Ion Ratio Lower Upper
119 100
91 60.3 0.0 131.6
134 25.6 0.0 46.2

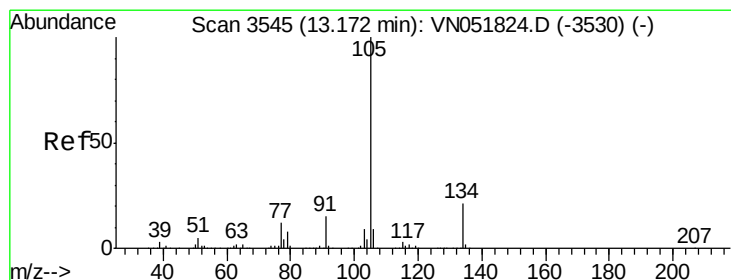
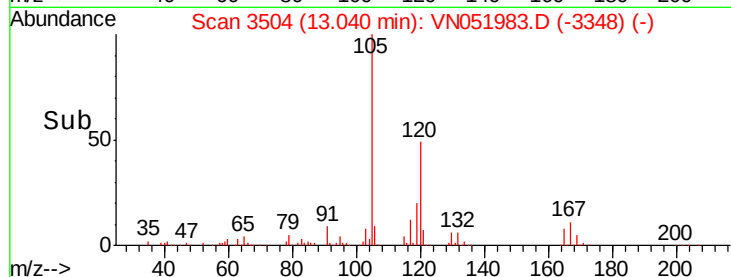
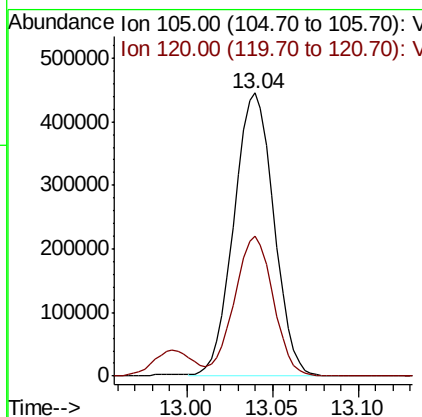
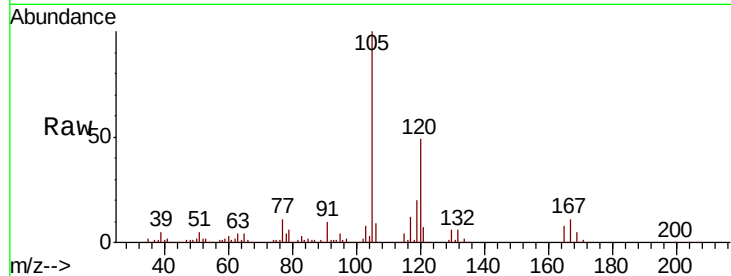




#80
 1,2,4-Trimethylbenzene
 Concen: 18.065 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN051983.D
 Acq: 24 Oct 2018 13:07

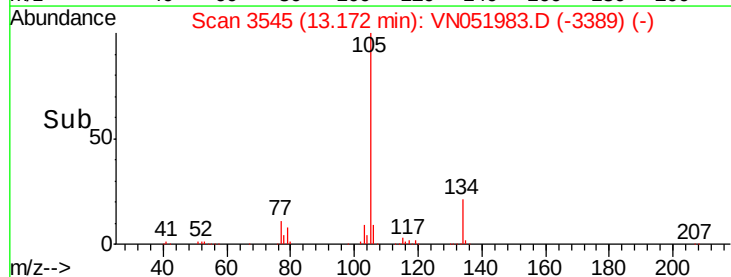
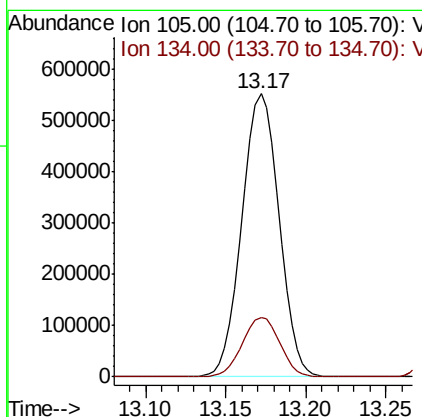
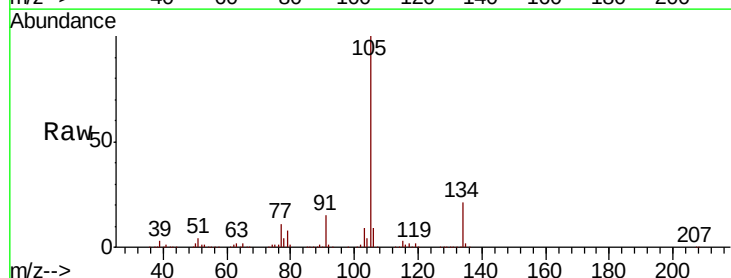
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1024WBSD02

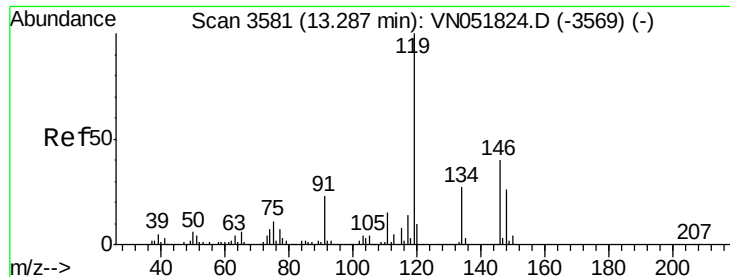
Tot Ion:105 Resp: 718647
 Ion Ratio Lower Upper
 105 100
 120 47.9 0.0 89.6



#81
 sec-Butylbenzene
 Concen: 18.243 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN051983.D
 Acq: 24 Oct 2018 13:07

Tgt Ion:105 Resp: 873579
 Ion Ratio Lower Upper
 105 100
 134 21.1 0.0 39.4

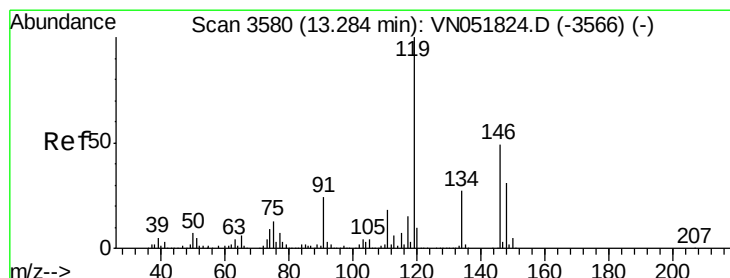
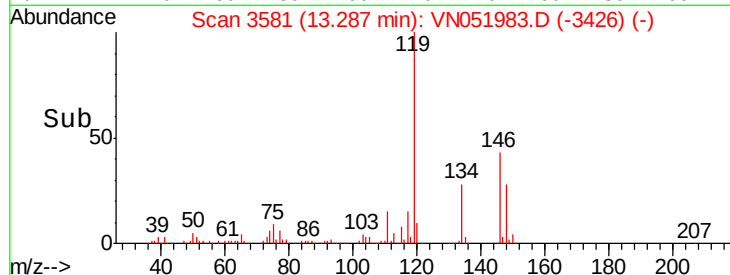
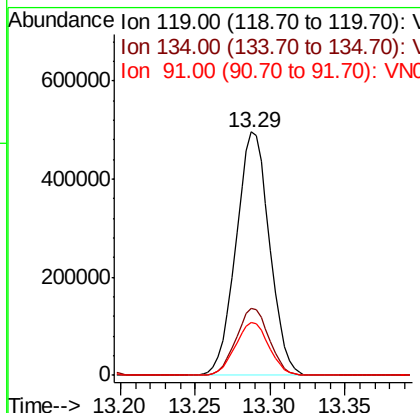
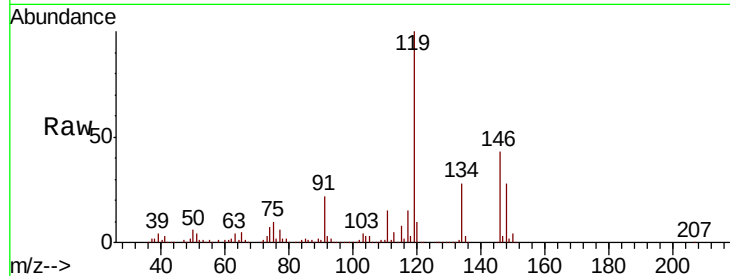




#82
 p-Isopropyltoluene
 Concen: 17.984 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN051983.D
 Acq: 24 Oct 2018 13:07

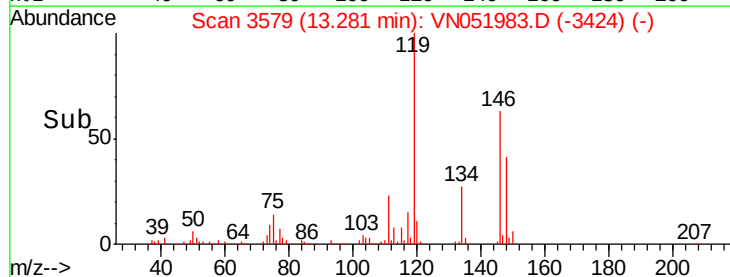
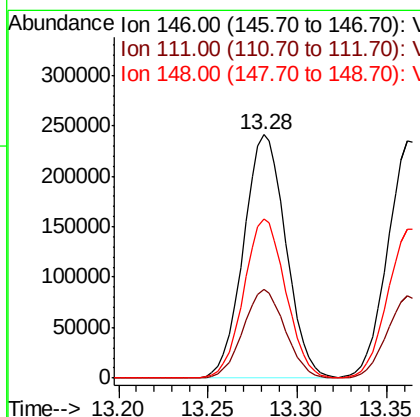
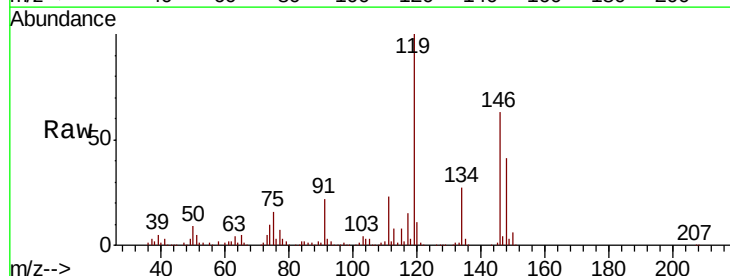
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1024WBSD02

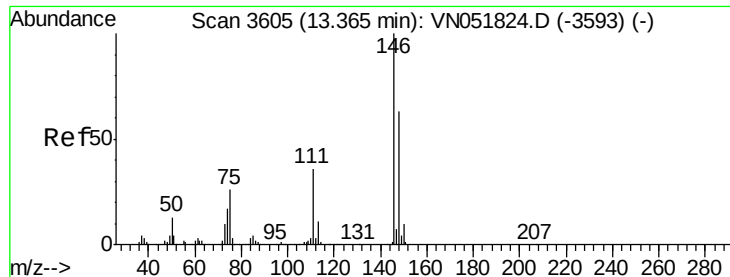
Tot Ion:119 Resp: 770596
 Ion Ratio Lower Upper
 119 100
 134 27.2 0.0 53.6
 91 21.9 0.0 52.0



#83
 1,3-Dichlorobenzene
 Concen: 19.055 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN051983.D
 Acq: 24 Oct 2018 13:07

Tgt Ion:146 Resp: 400883
 Ion Ratio Lower Upper
 146 100
 111 36.0 18.1 54.3
 148 64.7 31.3 93.8





#84

1,4-Dichlorobenzene

Concen: 19.554 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. -0.00 min

Lab File: VN051983.D

Acq: 24 Oct 2018 13:07

Instrument :

MSVOA_N

ClientSampleId :

VN1024WBSD02

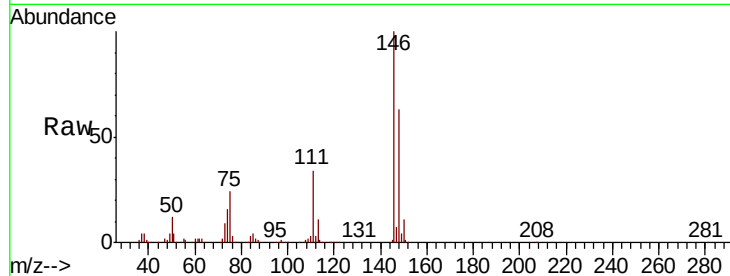
Tot Ion:146 Resp: 387268

Ion Ratio Lower Upper

146 100

111 34.4 17.4 52.2

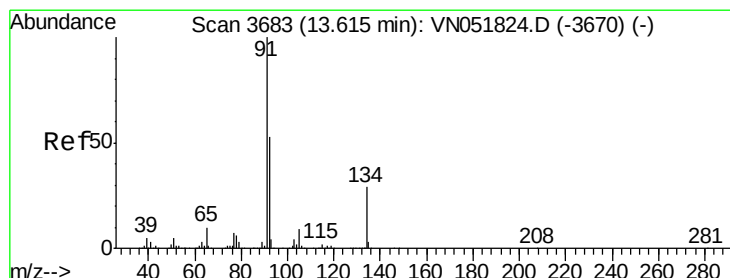
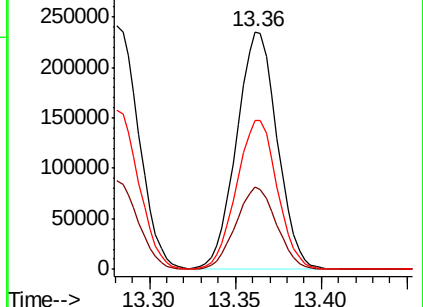
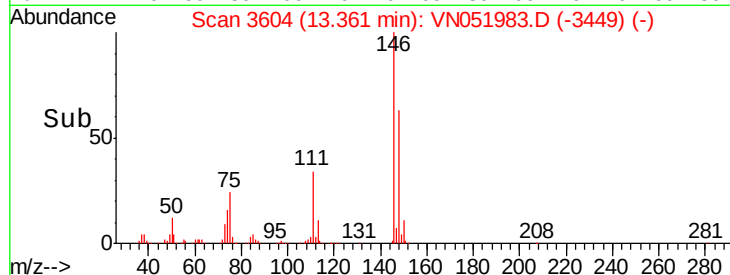
148 62.8 32.8 98.3



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#85

n-Butylbenzene

Concen: 17.731 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN051983.D

Acq: 24 Oct 2018 13:07

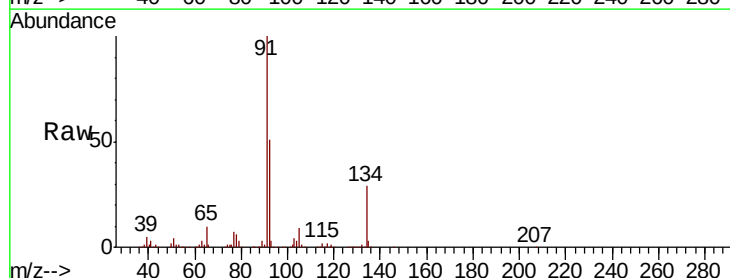
Tgt Ion: 91 Resp: 572923

Ion Ratio Lower Upper

91 100

92 52.1 0.0 97.4

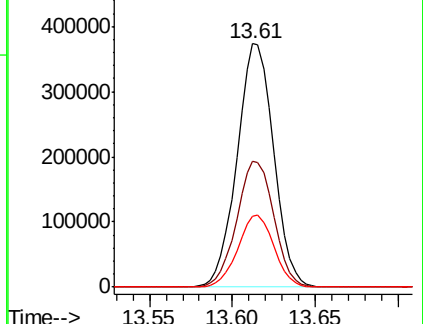
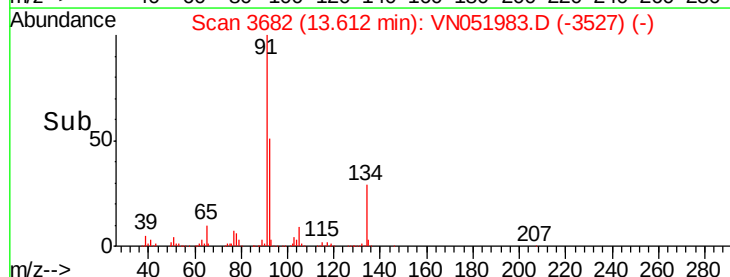
134 29.1 0.0 49.6

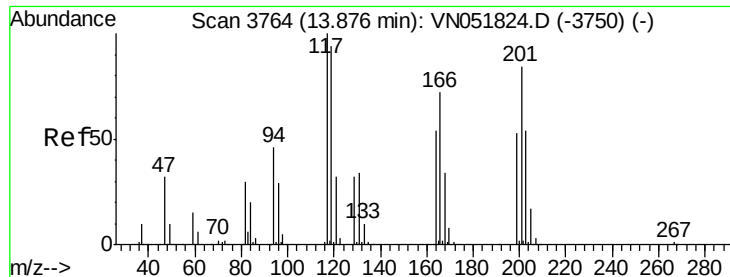


Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.00 (133.70 to 134.70): V

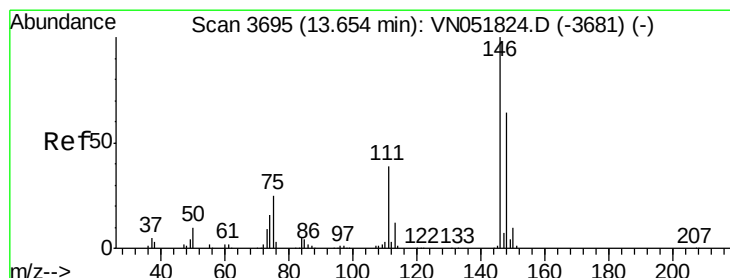
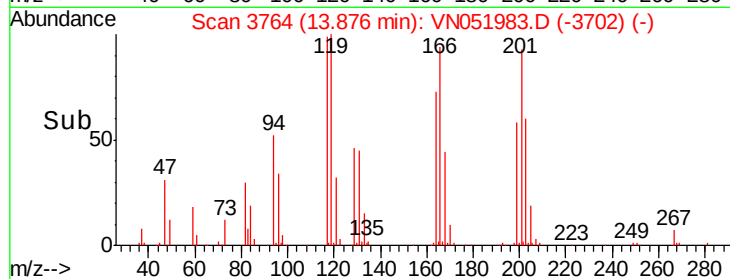
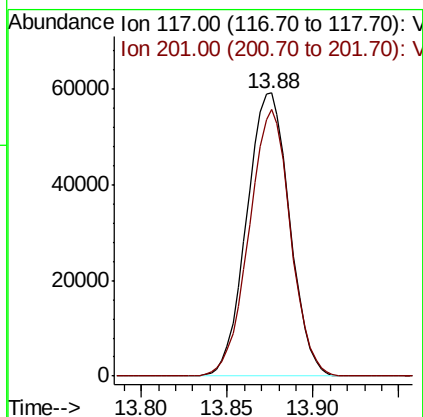
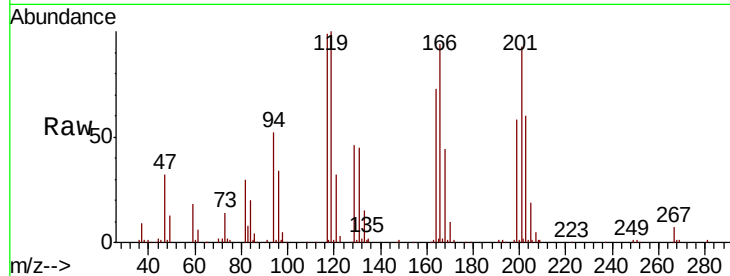




#86
Hexachloroethane
Concen: 13.859 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN051983.D
Acq: 24 Oct 2018 13:07

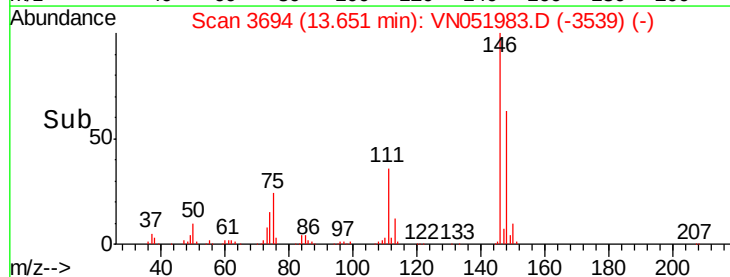
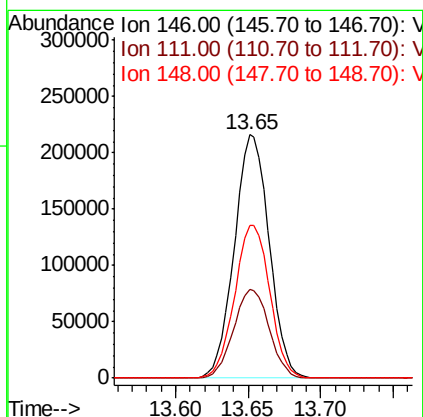
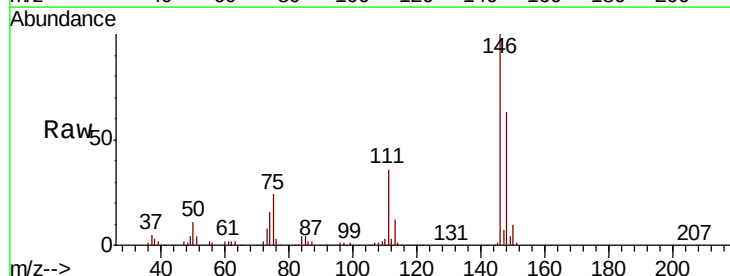
Instrument :
MSVOA_N
ClientSampleId :
VN1024WBSD02

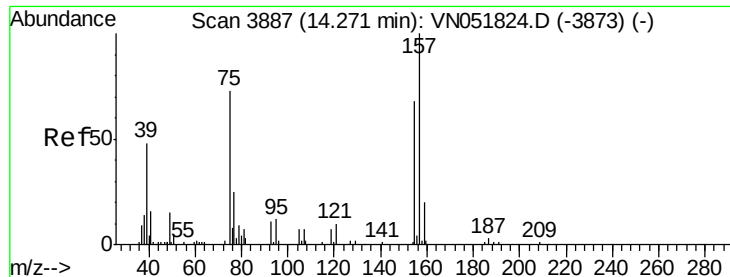
Tot Ion:117 Resp: 102396
Ion Ratio Lower Upper
117 100
201 90.9 47.8 143.3



#87
1,2-Dichlorobenzene
Concen: 17.717 ug/l
RT: 13.65 min Scan# 3694
Delta R.T. -0.00 min
Lab File: VN051983.D
Acq: 24 Oct 2018 13:07

Tgt Ion:146 Resp: 360842
Ion Ratio Lower Upper
146 100
111 37.1 20.8 62.2
148 63.4 33.2 99.6





#88

1,2-Dibromo-3-Chloropropane

Concen: 12.152 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN051983.D

Acq: 24 Oct 2018 13:07

Instrument :

MSVOA_N

ClientSampleId :

VN1024WBSD02

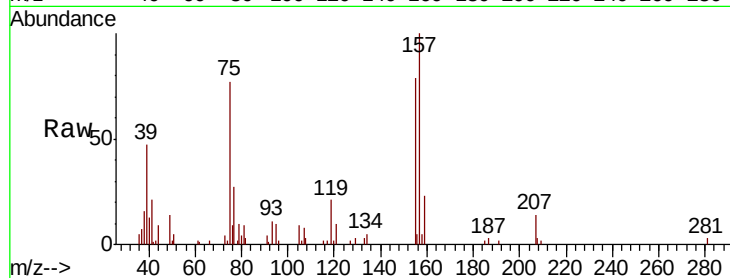
Tot Ion: 75 Resp: 17251

Ion Ratio Lower Upper

75 100

155 102.8 57.0 85.6#

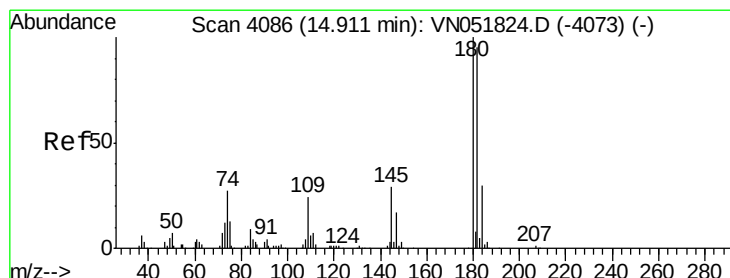
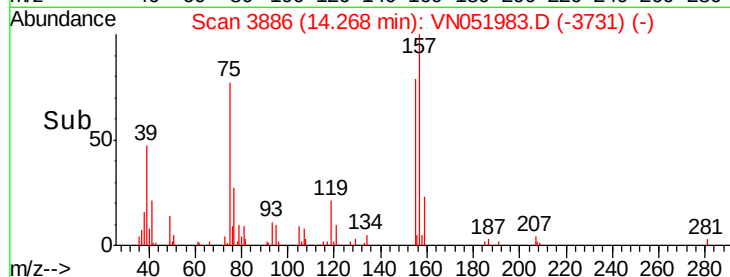
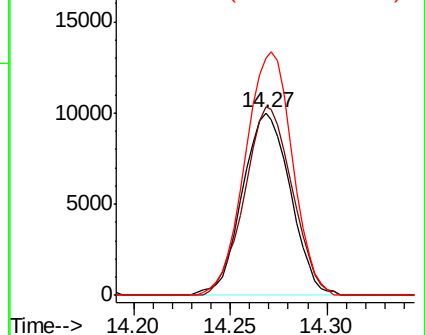
157 131.3 87.4 131.0#



Abundance Ion 75.00 (74.70 to 75.70): VN051824.D (-3873) (-)

Ion 155.00 (154.70 to 155.70): VN051824.D (-3873) (-)

Ion 157.00 (156.70 to 157.70): VN051824.D (-3873) (-)



#89

1,2,4-Trichlorobenzene

Concen: 16.446 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. -0.00 min

Lab File: VN051983.D

Acq: 24 Oct 2018 13:07

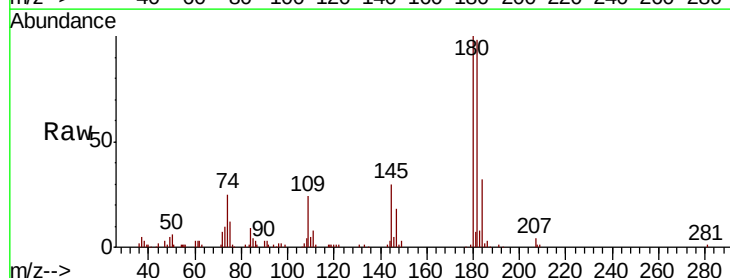
Tgt Ion:180 Resp: 117200

Ion Ratio Lower Upper

180 100

182 96.8 77.7 116.5

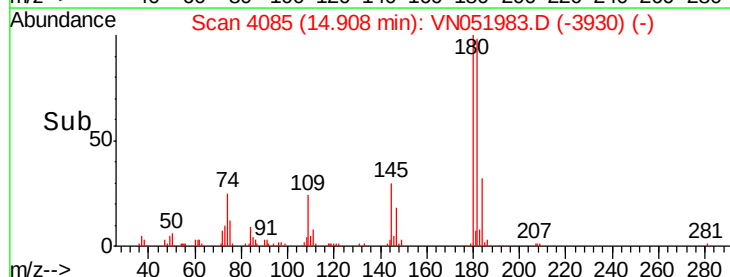
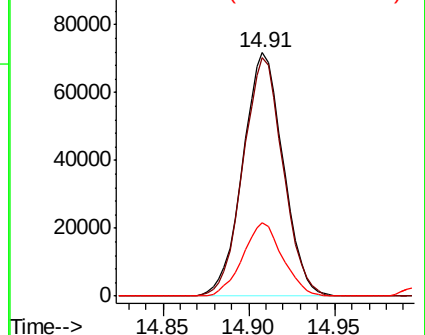
145 29.6 23.4 35.2

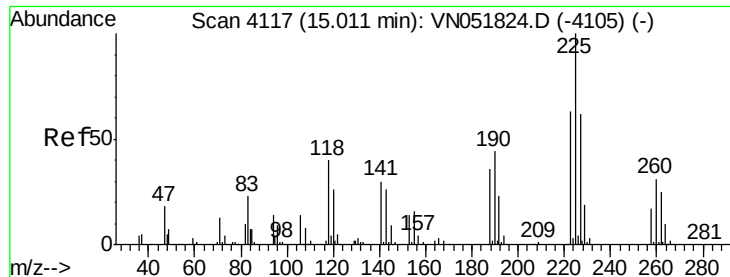


Abundance Ion 180.00 (179.70 to 180.70): VN051824.D (-4073) (-)

Ion 182.00 (181.70 to 182.70): VN051824.D (-4073) (-)

Ion 145.00 (144.70 to 145.70): VN051824.D (-4073) (-)





#90

Hexachlorobutadiene

Concen: 13.248 ug/l

RT: 15.01 min Scan# 4117

Delta R.T. 0.00 min

Lab File: VN051983.D

Acq: 24 Oct 2018 13:07

Instrument :

MSVOA_N

ClientSampled :

VN1024WBSD02

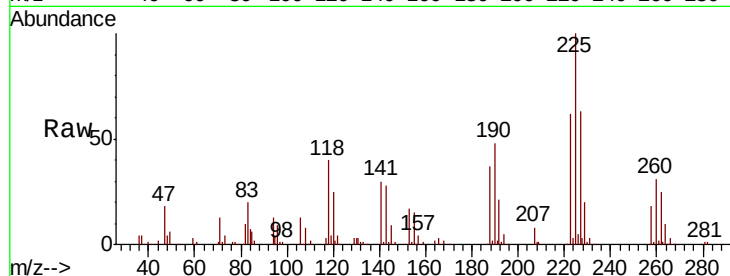
Tot Ion:225 Resp: 86952

Ion Ratio Lower Upper

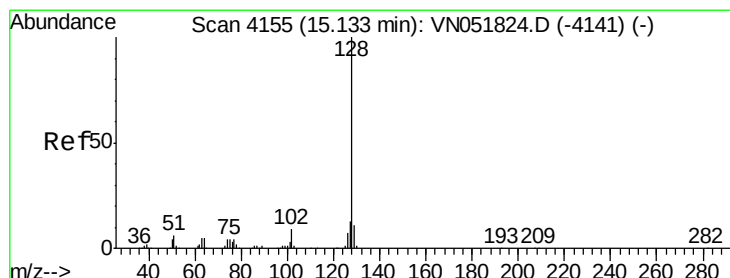
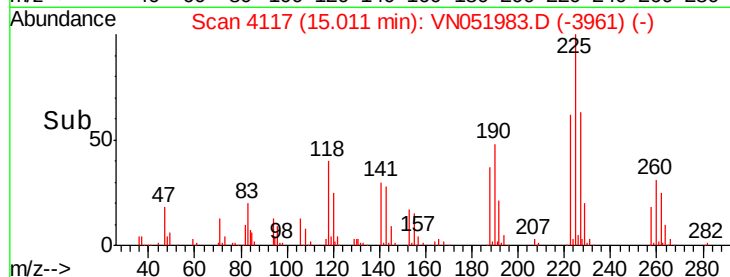
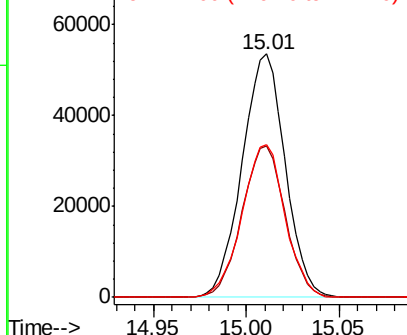
225 100

223 62.0 0.0 117.0

227 62.5 0.0 127.0



Abundance Ion 225.00 (224.70 to 225.70): V
Ion 223.00 (222.70 to 223.70): V
Ion 227.00 (226.70 to 227.70): V



#91

Naphthalene

Concen: 16.465 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN051983.D

Acq: 24 Oct 2018 13:07

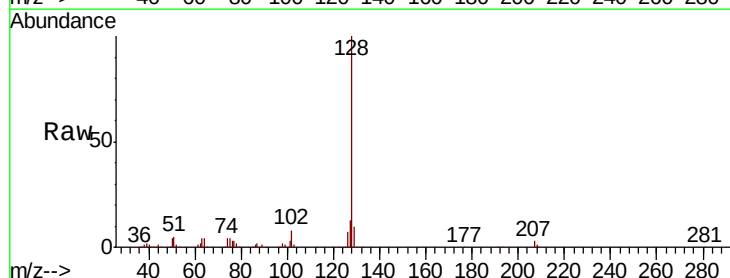
Tgt Ion:128 Resp: 220948

Ion Ratio Lower Upper

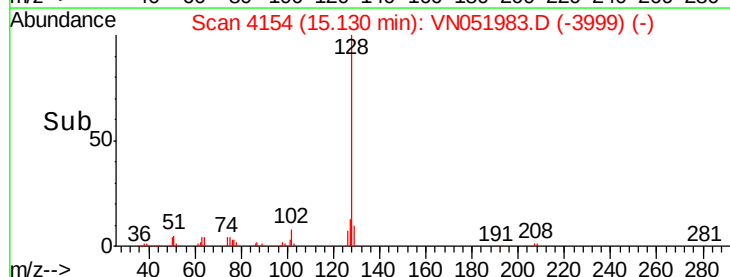
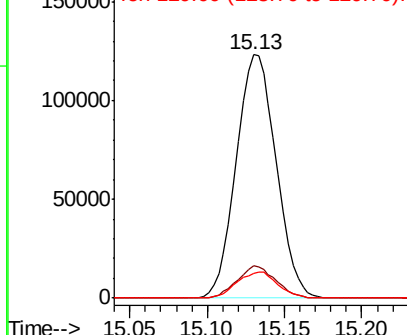
128 100

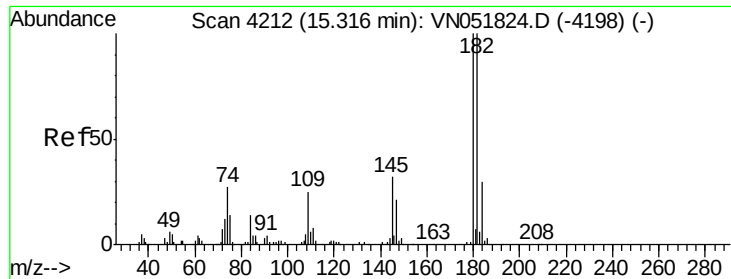
127 12.8 10.1 15.1

129 11.0 8.4 12.6



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V





#92
 1,2,3-Trichlorobenzene
 Concen: 9.617 ug/l
 RT: 15.31 min Scan# 4211
 Delta R.T. 0.00 min
 Lab File: VN051983.D
 Acq: 24 Oct 2018 13:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1024WBSD02

Tot Ion:180	Resp:	89117
Ion	Ratio	Lower Upper
180	100	
182	97.7	0.0 198.0
145	30.8	0.0 36.8

