

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120318\
 Data File : VN052633.D
 Acq On : 3 Dec 2018 16:02
 Operator : MD\SY
 Sample : VN1203WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1203WBSD02

Quant Time: Dec 04 00:25:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N112618W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Nov 27 00:48:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	162276	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	932782	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	813915	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	325710	29.46	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.20%
60) 4-Bromofluorobenzene	12.40	95	368094	29.58	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.60%
63) Toluene-d8	10.09	98	1113109	29.49	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.30%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	175300	18.967	ug/l 99
3) Chloromethane	2.06	50	227853	18.589	ug/l 97
4) Vinyl Chloride	2.19	62	236333	19.104	ug/l 96
5) Bromomethane	2.58	94	143918	20.403	ug/l 94
6) Chloroethane	2.71	64	142113	19.317	ug/l 99
7) Trichlorofluoromethane	3.02	101	303525	19.880	ug/l 100
8) Diethyl Ether	3.41	74	114482	20.307	ug/l 93
9) 1,1,2-Trichlorotrifluoroet	3.77	101	186257	19.244	ug/l 95
10) 1,1-Dichloroethene	3.74	96	181880	19.987	ug/l 97
11) Methyl Iodide	3.96	142	268245	21.231	ug/l 100
12) Methyl Acetate	4.33	43	164146	21.229	ug/l 97
13) Acrolein	3.61	56	74923	82.492	ug/l 98
14) Acrylonitrile	4.99	53	343791	104.354	ug/l 97
15) Acetone	3.82	58	85729	100.480	ug/l 98
16) Carbon Disulfide	4.06	76	531393	18.444	ug/l 100
17) Allyl chloride	4.33	41	288311	18.167	ug/l 100
18) Methylene Chloride	4.56	84	207003	19.646	ug/l 95
19) trans-1,2-Dichloroethene	5.05	96	194311	19.841	ug/l 95
20) Diisopropyl ether	5.95	45	653809	19.604	ug/l 100
21) 1,1-Dichloroethane	5.85	63	373715	19.660	ug/l 98
22) cis-1,2-Dichloroethene	6.83	96	223621	19.924	ug/l 99
23) tert-Butyl Alcohol	4.78	59	60329	123.099	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	506738	21.226	ug/l 97
25) Chloroform	7.37	83	372857	20.332	ug/l 99
26) Cyclohexane	7.66	56	338696	18.892	ug/l # 98
29) 1,1-Dichloropropene	7.80	75	285134	20.017	ug/l 99
30) 2-Butanone	6.84	43	397789	104.363	ug/l 99
31) 2,2-Dichloropropane	6.83	77	260138	19.837	ug/l 98
32) 1,1,1-Trichloroethane	7.57	97	301505	20.342	ug/l 98
33) Carbon Tetrachloride	7.78	117	262104	20.210	ug/l 98
34) Benzene	8.04	78	854701	19.957	ug/l 99
35) Methacrylonitrile	7.17	41	78010	16.496	ug/l 97
36) 1,2-Dichloroethane	8.13	62	265629	20.468	ug/l 100
37) Trichloroethene	8.84	130	224042	20.630	ug/l 97
38) Methylcyclohexane	9.08	83	334406	18.964	ug/l 97
39) 1,2-Dichloropropane	9.12	63	227830	19.846	ug/l 98
40) Dibromomethane	9.21	93	131327	21.169	ug/l 97

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 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1203WBSD02

Quant Time: Dec 04 00:25:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N112618W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Nov 27 00:48:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	277058	20.214	ug/l	97
42) Vinyl Acetate	5.90	43	2088454	101.267	ug/l	98
43) Ethyl Acetate	6.93	43	172049	21.228	ug/l #	69
44) Isopropyl Acetate	8.17	43	317721	22.352	ug/l #	80
45) 1,4-Dioxane	9.20	88	37513	482.403	ug/l	94
46) Methyl methacrylate	9.20	41	157791	21.380	ug/l	99
47) n-amyl Acetate	12.07	43	239179	20.294	ug/l	100
48) t-1,3-Dichloropropene	10.38	75	267763	20.148	ug/l	100
49) cis-1,3-Dichloropropene	9.84	75	318902	19.696	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	187483	21.320	ug/l	99
51) Ethyl methacrylate	10.43	69	231191	20.933	ug/l	98
52) 1,3-Dichloropropane	10.71	76	320823	20.497	ug/l	99
53) Dibromochloromethane	10.90	129	199625	20.619	ug/l	98
54) 1,2-Dibromoethane	11.01	107	183642	21.371	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	656128	101.490	ug/l	99
56) Bromoform	12.13	173	131831	20.832	ug/l	98
58) 4-Methyl-2-Pentanone	9.99	43	860504	109.053	ug/l	99
59) 2-Hexanone	10.75	43	565472	104.907	ug/l	99
61) Tetrachloroethene	10.63	164	211046	21.053	ug/l	99
62) Toluene	10.16	91	913194	20.353	ug/l	100
64) Chlorobenzene	11.44	112	559217	20.419	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	198306	20.861	ug/l	99
66) Ethyl Benzene	11.51	91	973394	20.129	ug/l	99
67) m/p-Xylenes	11.62	106	743184	41.251	ug/l	98
68) o-Xylene	11.95	106	360486	20.615	ug/l	99
69) Styrene	11.97	104	575150	20.378	ug/l	99
70) Isopropylbenzene	12.25	105	958006	20.591	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.51	83	223435	22.077	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	271702	31.273	ug/l	45
73) Bromobenzene	12.53	156	234864	20.872	ug/l	97
74) n-propylbenzene	12.59	91	1079486	19.913	ug/l	99
75) 2-Chlorotoluene	12.68	91	637594	20.263	ug/l	98
76) 1,3,5-Trimethylbenzene	12.73	105	773574	20.585	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	56475	20.577	ug/l	98
78) 4-Chlorotoluene	12.78	91	630455	20.064	ug/l	99
79) tert-butylbenzene	12.99	119	685718	20.953	ug/l	97
80) 1,2,4-Trimethylbenzene	13.04	105	774061	20.585	ug/l	99
81) sec-Butylbenzene	13.17	105	923861	20.267	ug/l	99
82) p-Isopropyltoluene	13.29	119	785139	20.227	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	404311	20.429	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	389093	20.349	ug/l	99
85) n-Butylbenzene	13.62	91	635866	19.071	ug/l	99
86) Hexachloroethane	13.88	117	129629	19.710	ug/l	97
87) 1,2-Dichlorobenzene	13.65	146	397636	21.114	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	31630	22.311	ug/l	98
89) 1,2,4-Trichlorobenzene	14.91	180	193211	20.823	ug/l	99
90) Hexachlorobutadiene	15.01	225	124190	20.403	ug/l	99
91) Naphthalene	15.14	128	408503	21.802	ug/l	99
92) 1,2,3-Trichlorobenzene	15.32	180	186253	21.782	ug/l	98

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Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 16 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
VN1203WBSD02

Quant Time: Dec 04 00:25:31 2018
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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Tue Nov 27 00:48:33 2018
Response via : Initial Calibration

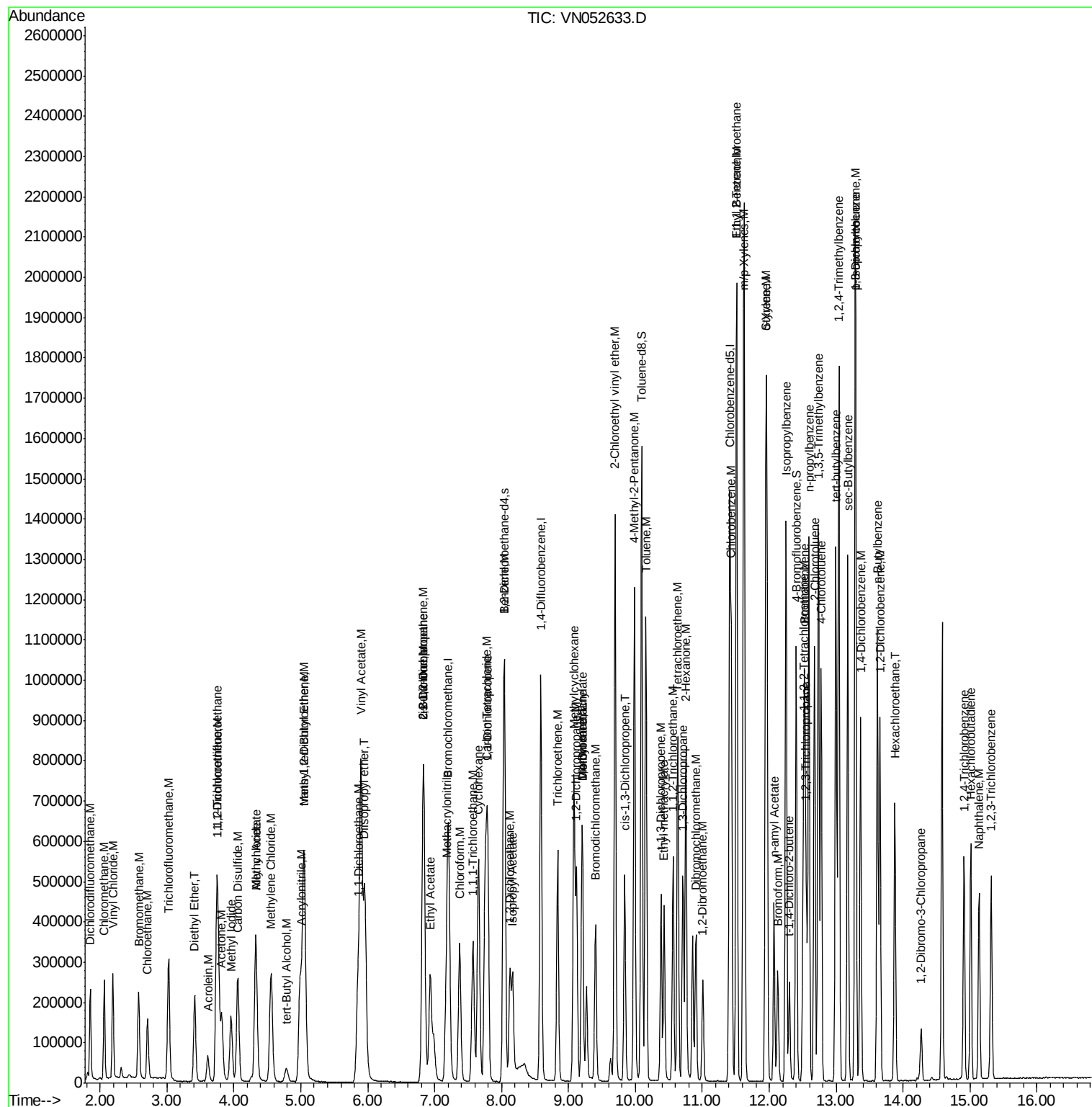
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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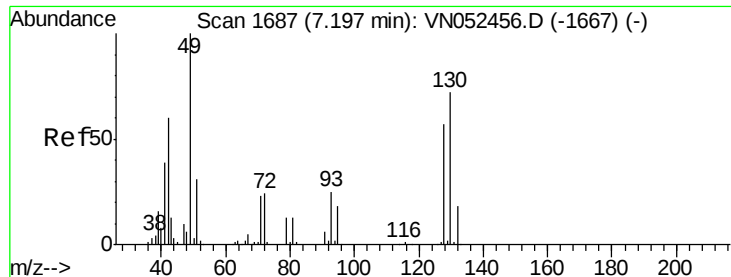
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120318\
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Acq On : 3 Dec 2018 16:02
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Sample : VN1203WBSD02
Misc : 5.00mL/MSVOA N/WATER
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Instrument :
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ClientSampleId :
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Quant Time: Dec 04 00:25:31 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N112618W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Tue Nov 27 00:48:33 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN052633.D

Acq: 3 Dec 2018 16:02

Instrument :
MSVOA_N
ClientSampleId :
VN1203WBSD02

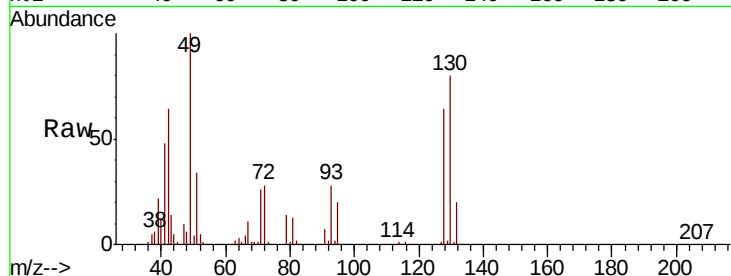
Tot Ion:128 Resp: 162276

Ion Ratio Lower Upper

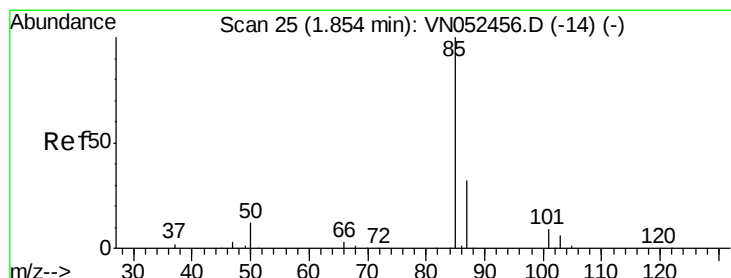
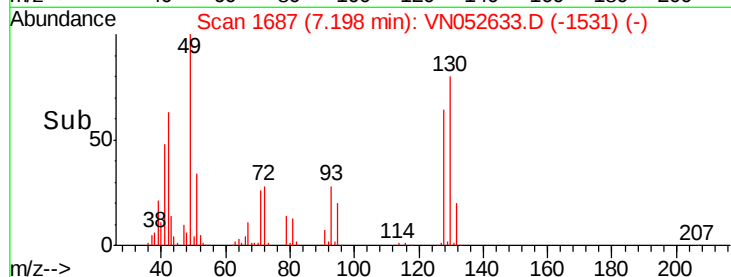
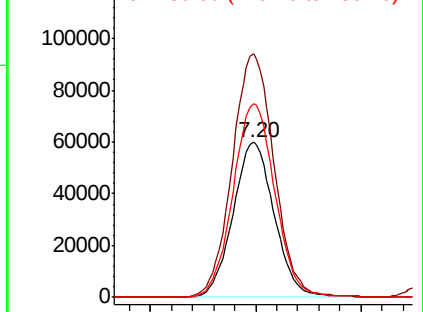
128 100

49 159.7 0.0 431.8

130 127.7 0.0 317.0



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: 18.967 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN052633.D

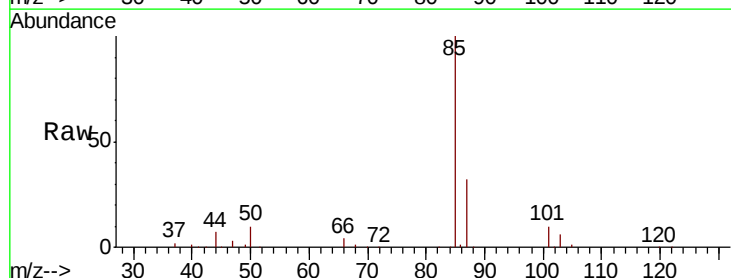
Acq: 3 Dec 2018 16:02

Tgt Ion: 85 Resp: 175300

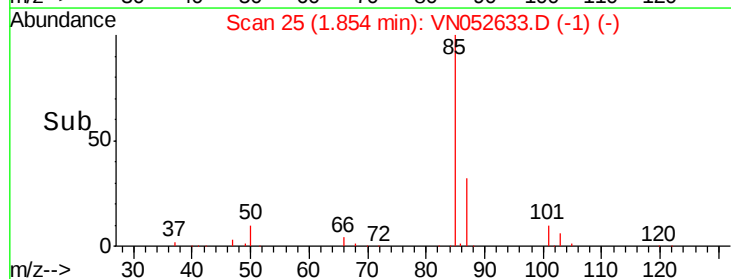
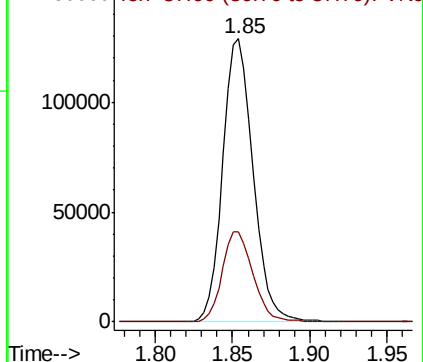
Ion Ratio Lower Upper

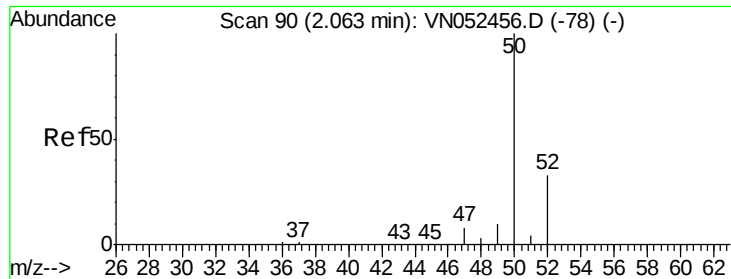
85 100

87 31.7 16.1 48.3



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





#3

Chloromethane

Concen: 18.589 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN052633.D

Acq: 3 Dec 2018 16:02

Instrument :

MSVOA_N

ClientSampleId :

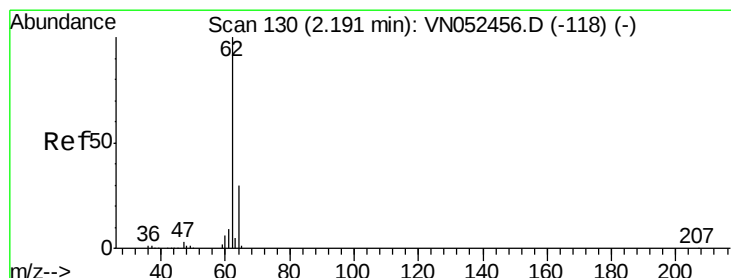
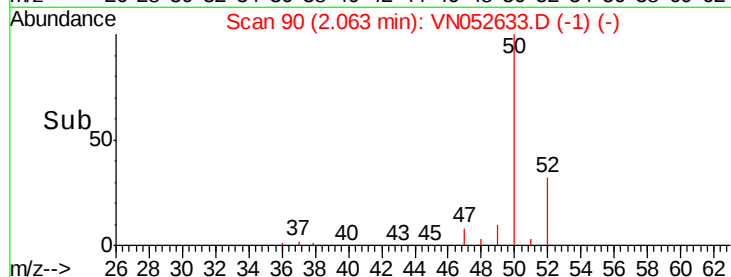
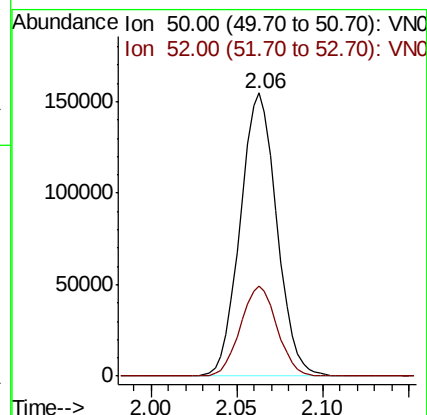
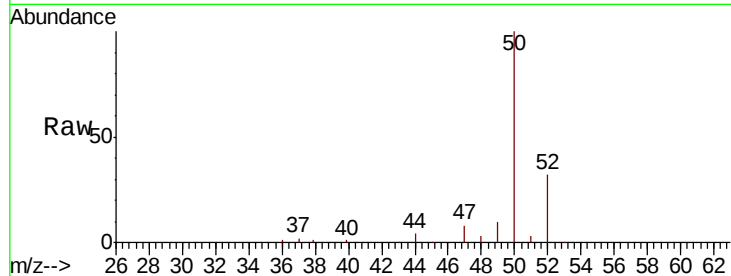
VN1203WBSD02

Tot Ion: 50 Resp: 227853

Ion Ratio Lower Upper

50 100

52 31.6 26.5 39.7



#4

Vinyl Chloride

Concen: 19.104 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN052633.D

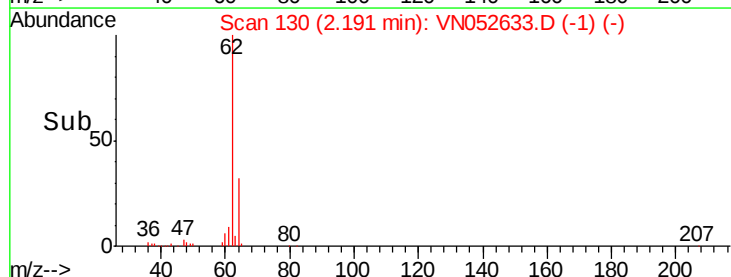
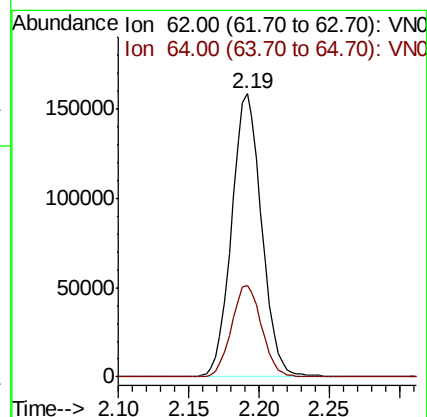
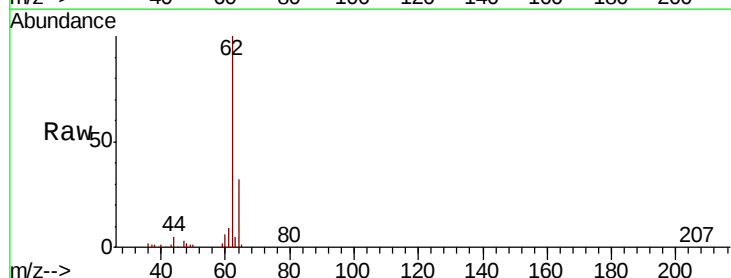
Acq: 3 Dec 2018 16:02

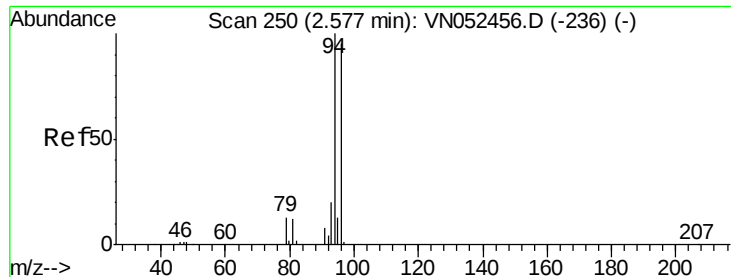
Tgt Ion: 62 Resp: 236333

Ion Ratio Lower Upper

62 100

64 32.5 24.2 36.4





#5

Bromomethane

Concen: 20.403 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN052633.D

Acq: 3 Dec 2018 16:02

Instrument :

MSVOA_N

ClientSampleId :

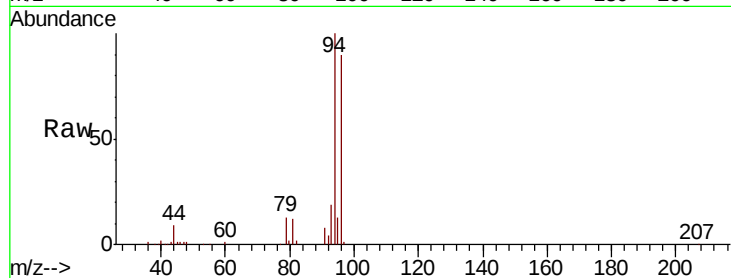
VN1203WBSD02

Tot Ion: 94 Resp: 143918

Ion Ratio Lower Upper

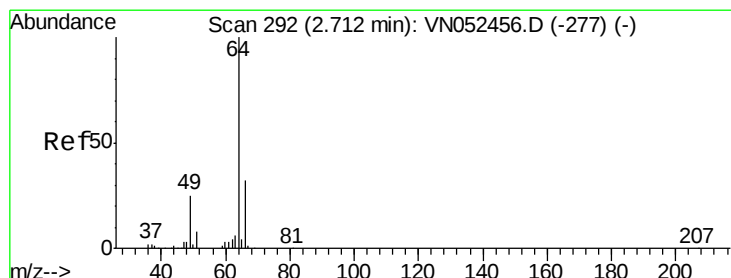
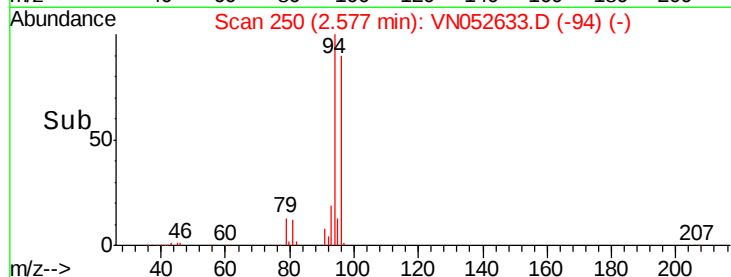
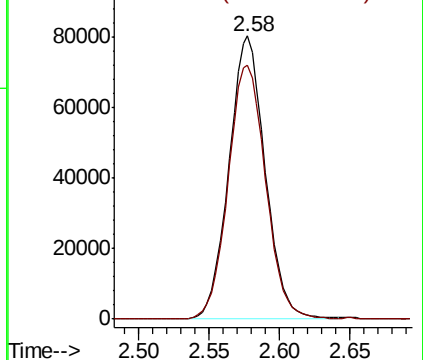
94 100

96 89.5 76.2 114.2



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 19.317 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN052633.D

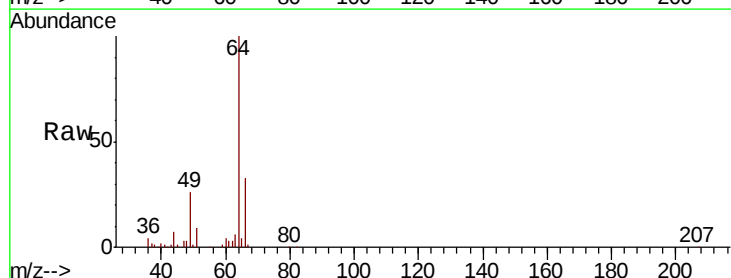
Acq: 3 Dec 2018 16:02

Tgt Ion: 64 Resp: 142113

Ion Ratio Lower Upper

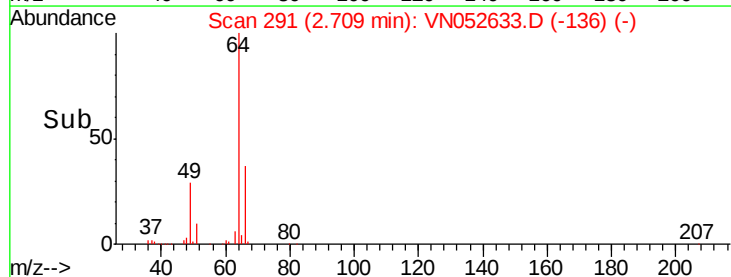
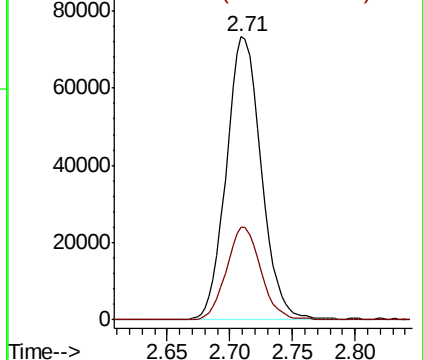
64 100

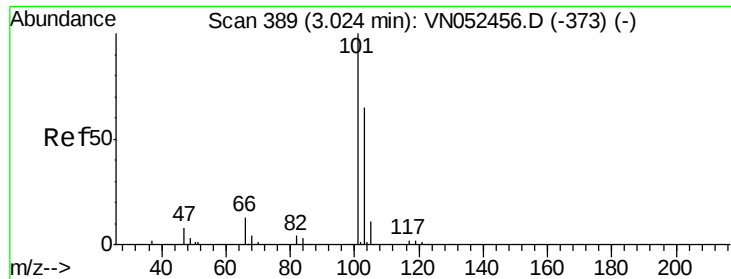
66 32.7 25.6 38.4



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0



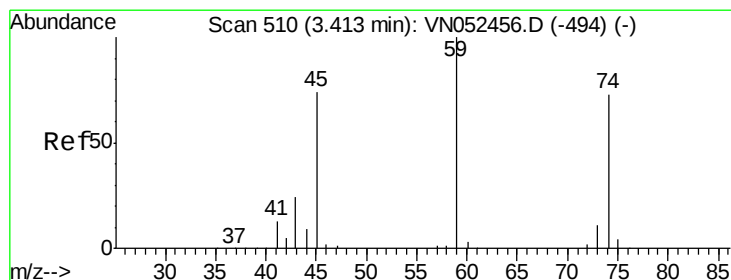
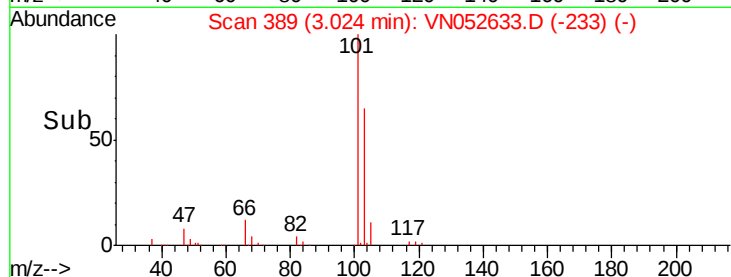
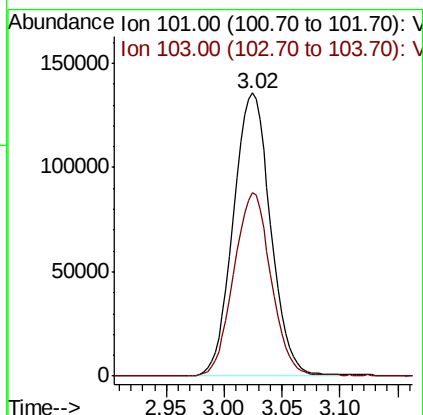
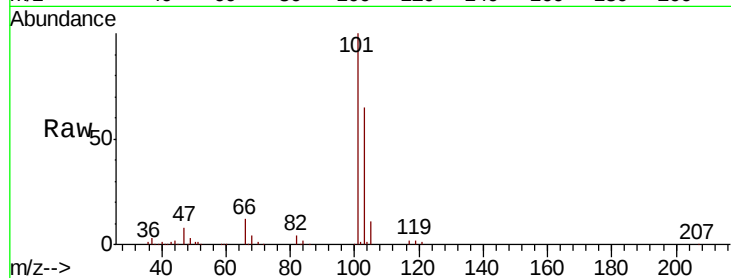


#7

Trichlorofluoromethane
Concen: 19.880 ug/l
RT: 3.02 min Scan# 389
Delta R.T. 0.00 min
Lab File: VN052633.D
Acq: 3 Dec 2018 16:02

Instrument :
MSVOA_N
ClientSampleId :
VN1203WBSD02

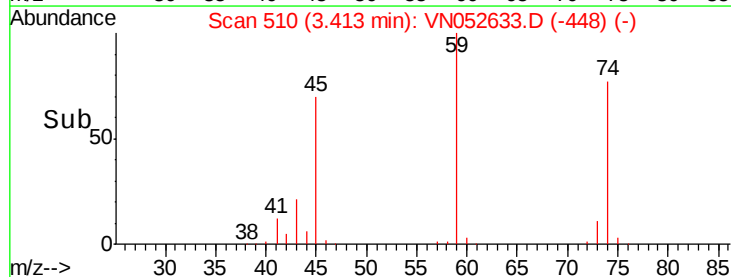
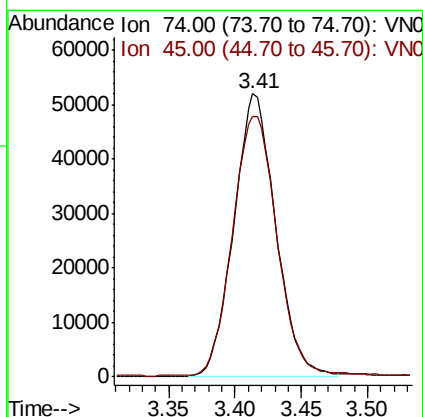
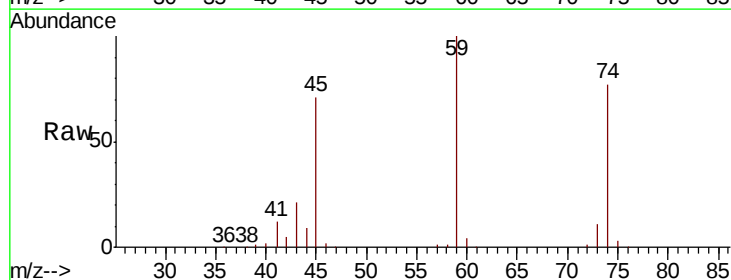
Tot Ion:101 Resp: 303525
Ion Ratio Lower Upper
101 100
103 64.8 52.1 78.1

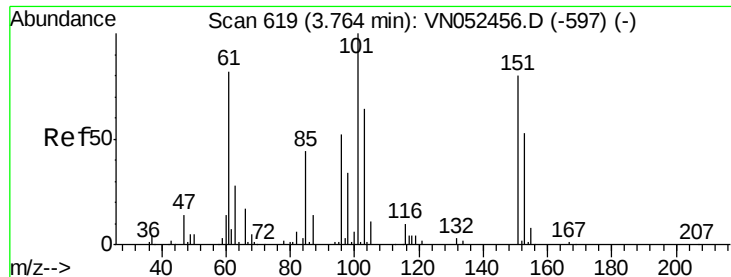


#8

Diethyl Ether
Concen: 20.307 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN052633.D
Acq: 3 Dec 2018 16:02

Tgt Ion: 74 Resp: 114482
Ion Ratio Lower Upper
74 100
45 96.3 20.6 185.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.244 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.00 min

Lab File: VN052633.D

Acq: 3 Dec 2018 16:02

Instrument :

MSVOA_N

ClientSampleId :

VN1203WBSD02

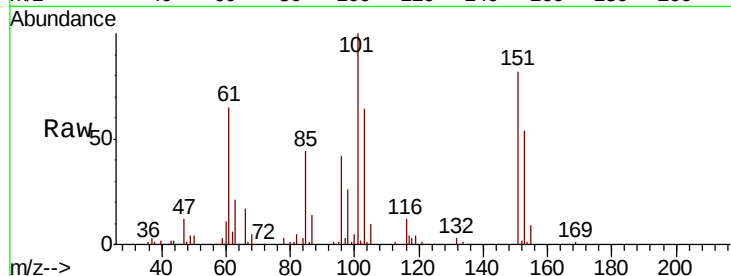
Tot Ion:101 Resp: 186257

Ion Ratio Lower Upper

101 100

85 44.2 0.0 82.6

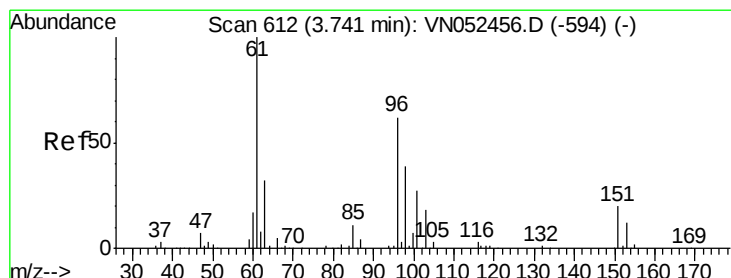
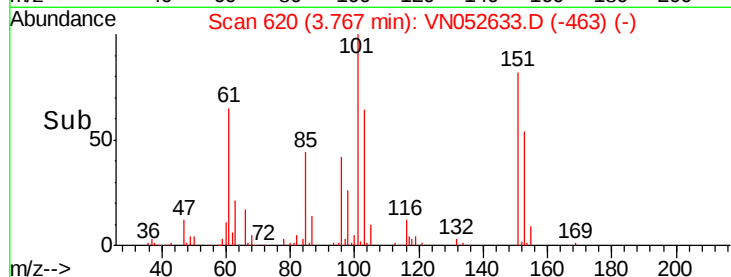
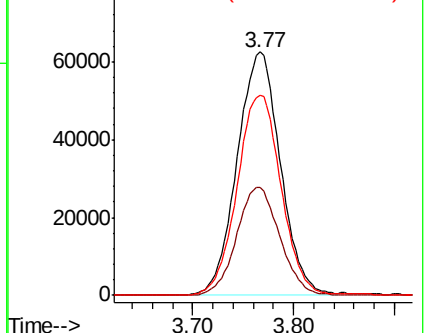
151 83.6 0.0 158.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 19.987 ug/l

RT: 3.74 min Scan# 613

Delta R.T. 0.00 min

Lab File: VN052633.D

Acq: 3 Dec 2018 16:02

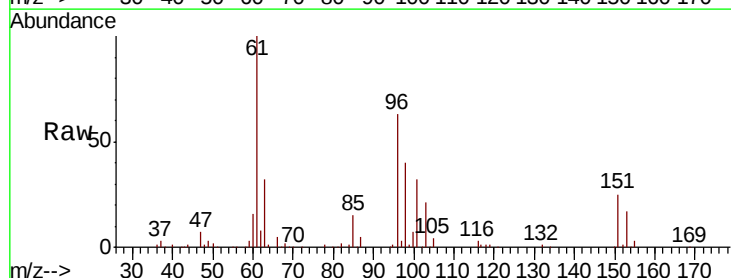
Tgt Ion: 96 Resp: 181880

Ion Ratio Lower Upper

96 100

61 157.6 129.4 194.2

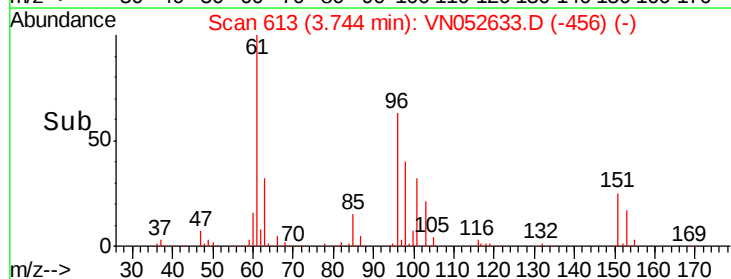
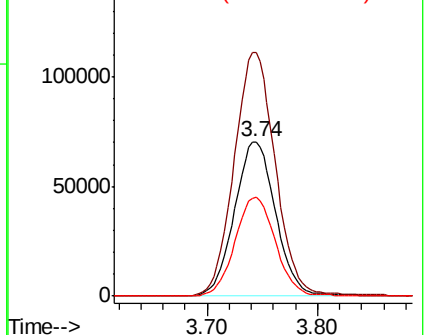
98 63.7 50.4 75.6

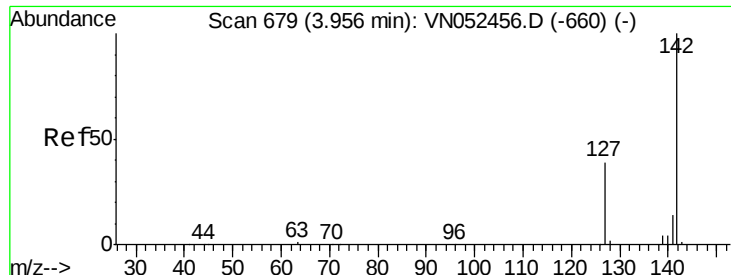


Abundance Ion 96.00 (95.70 to 96.70): VN

Ion 61.00 (60.70 to 61.70): VN

Ion 98.00 (97.70 to 98.70): VN

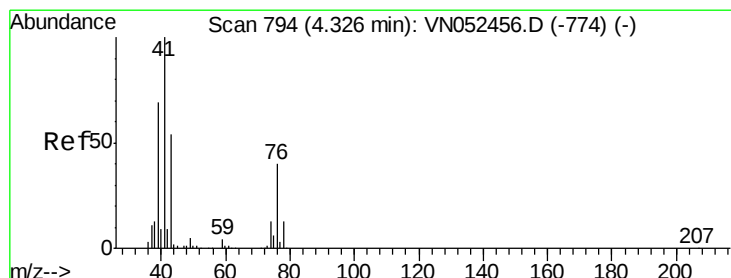
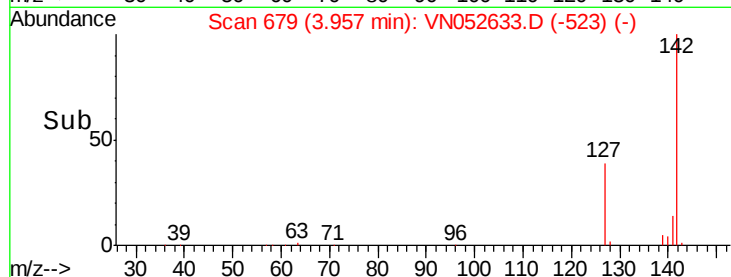
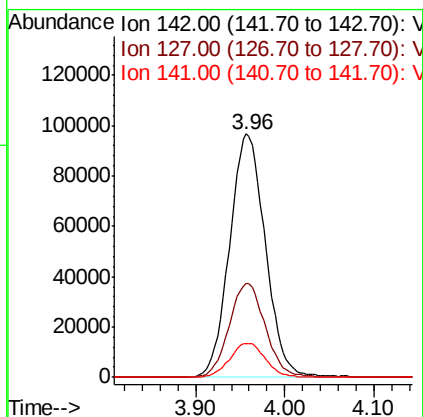
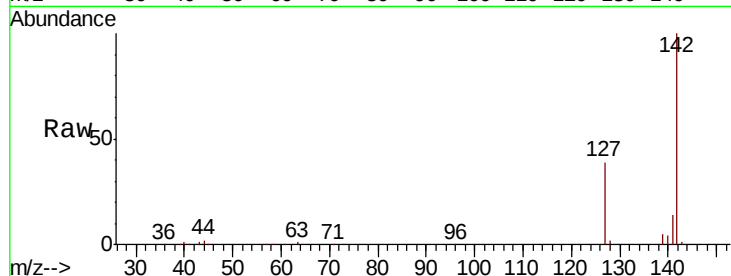




#11
Methvl Iodide
Concen: 21.231 ug/l
RT: 3.96 min Scan# 679
Delta R.T. 0.00 min
Lab File: VN052633.D
Acq: 3 Dec 2018 16:02

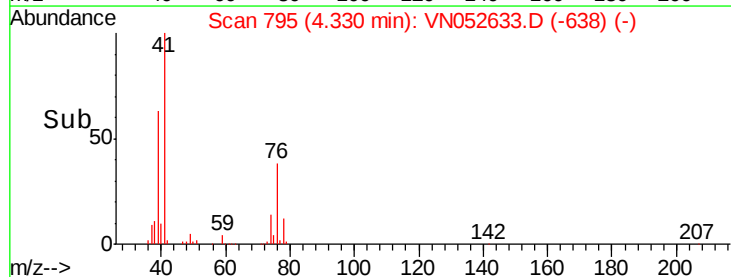
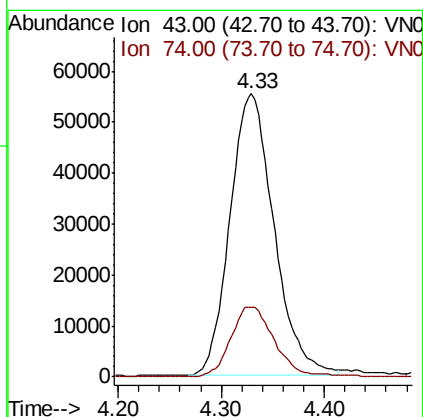
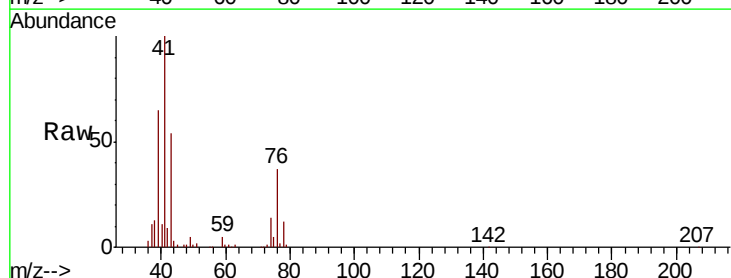
Instrument :
MSVOA_N
ClientSampleId :
VN1203WBSD02

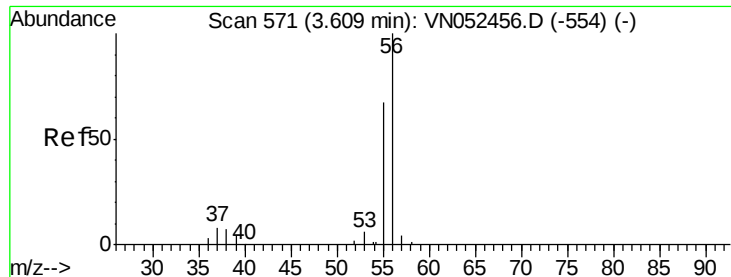
Tot Ion:142 Resp: 268245
Ion Ratio Lower Upper
142 100
127 38.6 19.4 58.1
141 14.1 7.2 21.6



#12
Methyl Acetate
Concen: 21.229 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN052633.D
Acq: 3 Dec 2018 16:02

Tgt Ion: 43 Resp: 164146
Ion Ratio Lower Upper
43 100
74 24.9 18.9 28.3

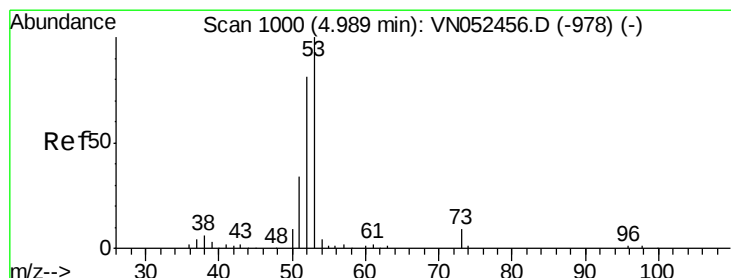
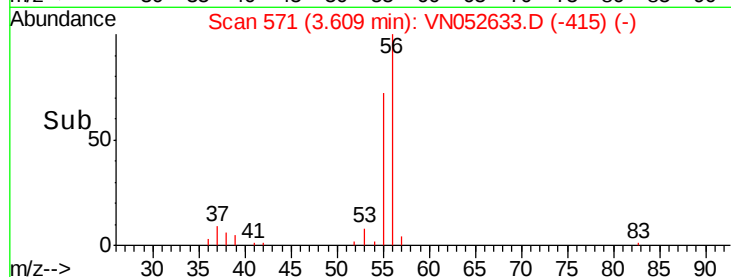
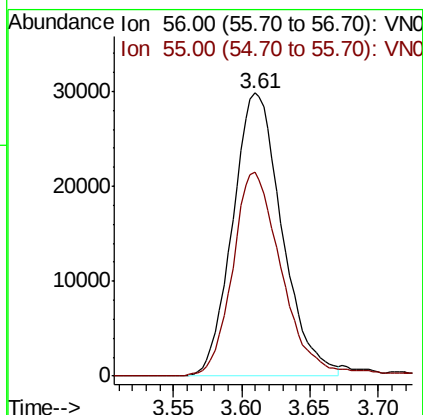
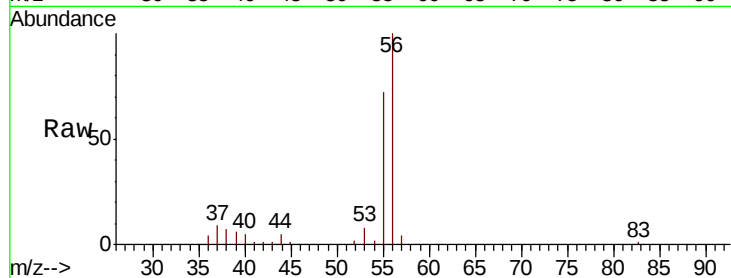




#13
Acrolein
Concen: 82.492 ug/l
RT: 3.61 min Scan# 571
Delta R.T. 0.00 min
Lab File: VN052633.D
Acq: 3 Dec 2018 16:02

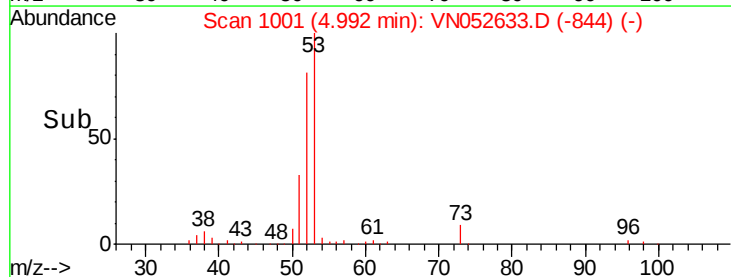
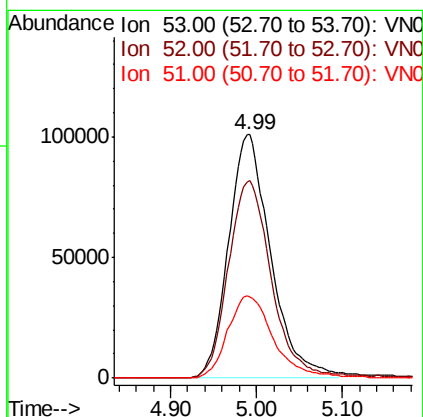
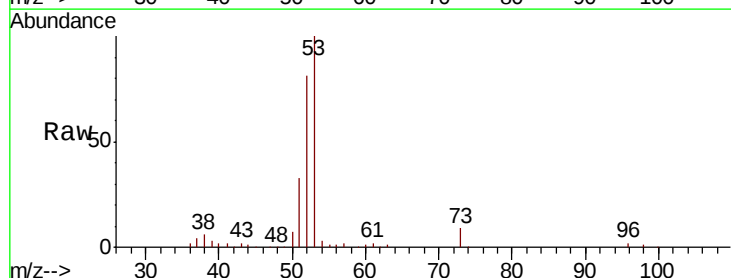
Instrument :
MSVOA_N
ClientSampleId :
VN1203WBSD02

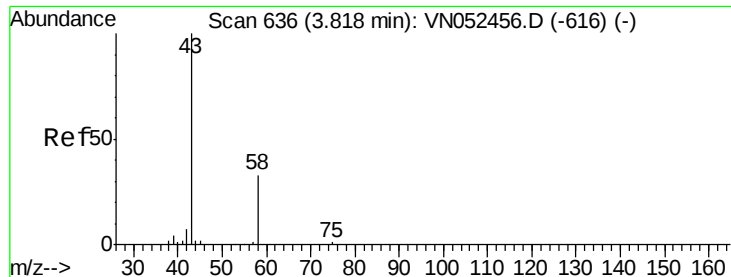
Tot Ion: 56 Resp: 74923
Ion Ratio Lower Upper
56 100
55 72.2 56.7 85.1



#14
Acrylonitrile
Concen: 104.354 ug/l
RT: 4.99 min Scan# 1001
Delta R.T. 0.00 min
Lab File: VN052633.D
Acq: 3 Dec 2018 16:02

Tgt Ion: 53 Resp: 343791
Ion Ratio Lower Upper
53 100
52 82.7 39.9 119.7
51 36.5 17.6 52.9





#15

Acetone

Concen: 100.480 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN052633.D

Acq: 3 Dec 2018 16:02

Instrument :

MSVOA_N

ClientSampleId :

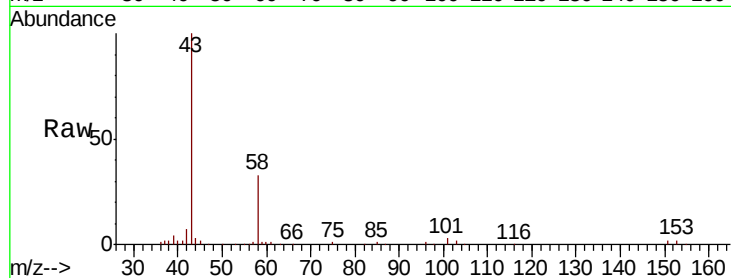
VN1203WBSD02

Tot Ion: 58 Resp: 85729

Ion Ratio Lower Upper

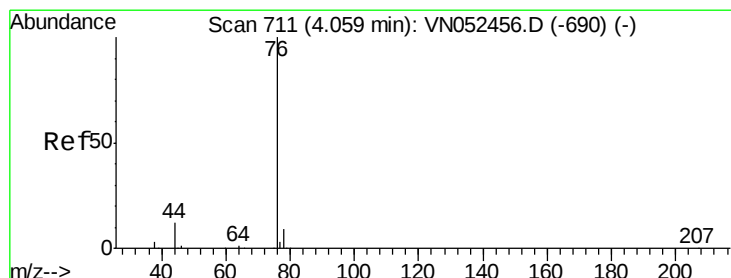
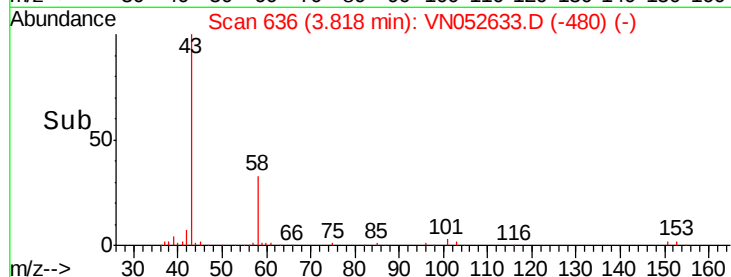
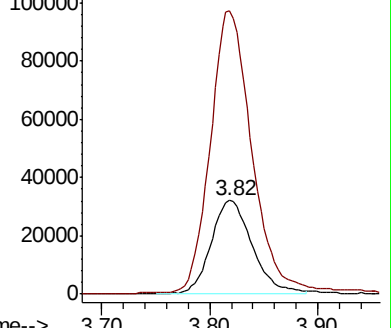
58 100

43 300.1 243.6 365.4



Abundance Ion 58.00 (57.70 to 58.70): VN052456.D (-616) (-)

Ion 43.00 (42.70 to 43.70): VN052456.D (-616) (-)



#16

Carbon Disulfide

Concen: 18.444 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN052633.D

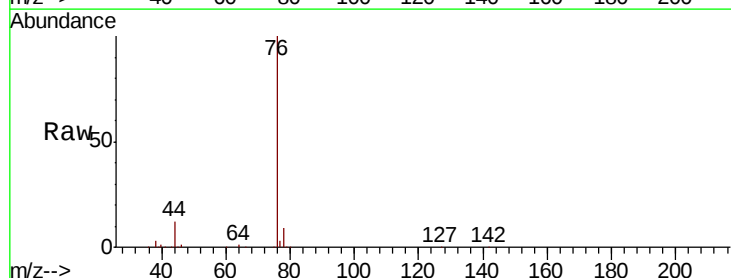
Acq: 3 Dec 2018 16:02

Tgt Ion: 76 Resp: 531393

Ion Ratio Lower Upper

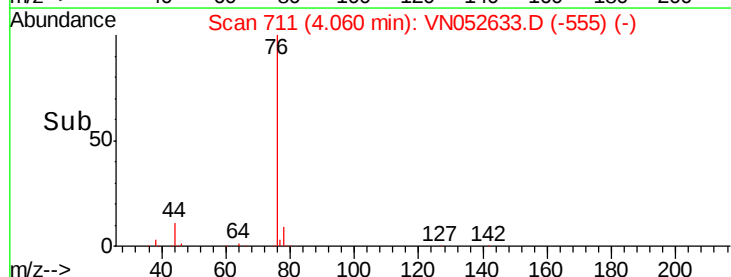
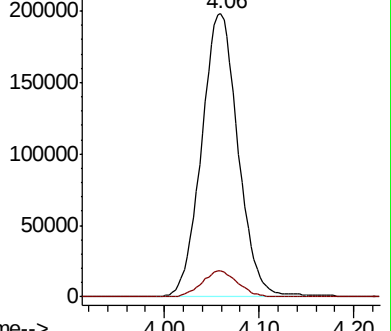
76 100

78 9.2 7.3 10.9



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

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

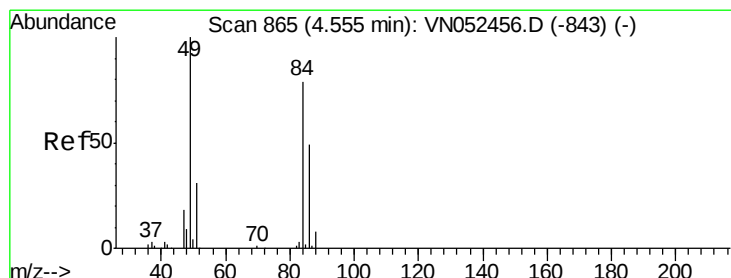
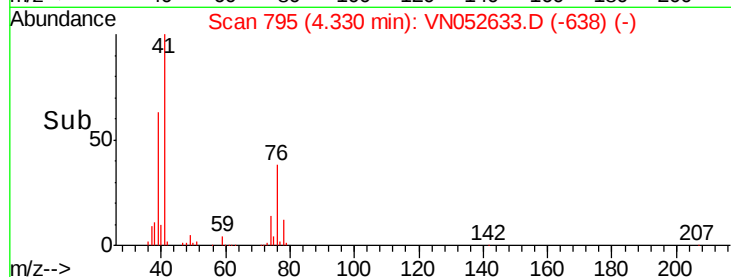
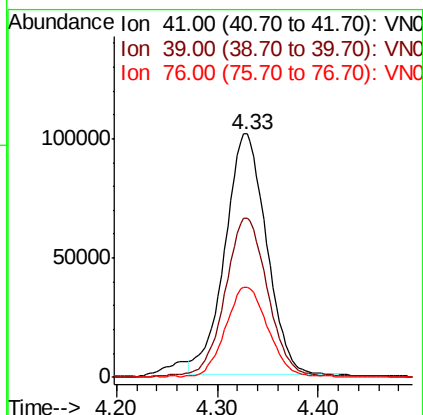
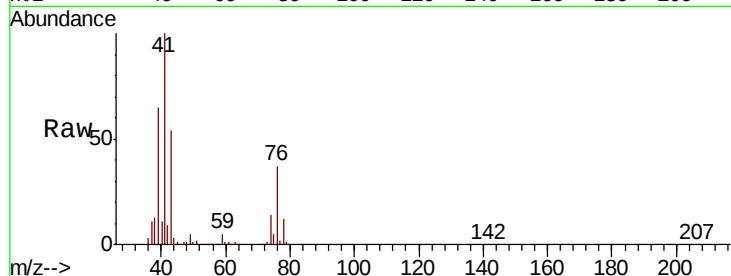




#17
Allvl chloride
Concen: 18.167 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN052633.D
Acq: 3 Dec 2018 16:02

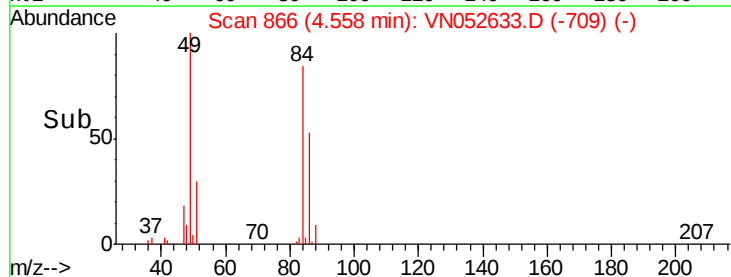
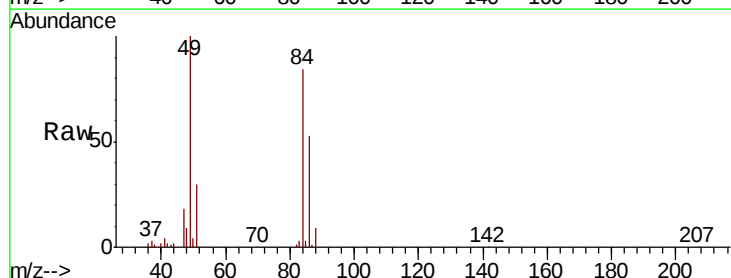
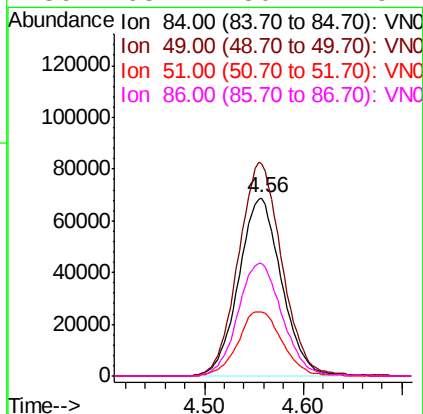
Instrument :
MSVOA_N
ClientSampleId :
VN1203WBSD02

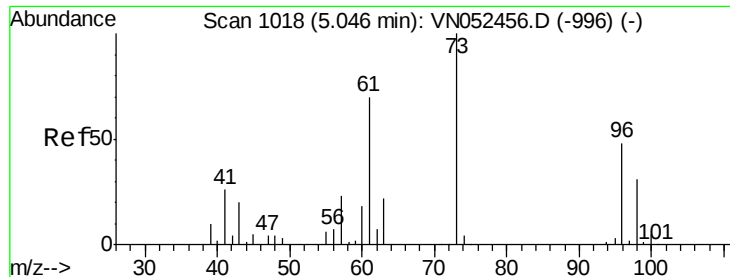
Tot Ion: 41 Resp: 288311
Ion Ratio Lower Upper
41 100
39 65.4 32.8 98.3
76 37.1 18.6 55.8



#18
Methylene Chloride
Concen: 19.646 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.00 min
Lab File: VN052633.D
Acq: 3 Dec 2018 16:02

Tgt Ion: 84 Resp: 207003
Ion Ratio Lower Upper
84 100
49 119.0 101.4 152.0
51 35.9 31.7 47.5
86 63.1 50.1 75.1

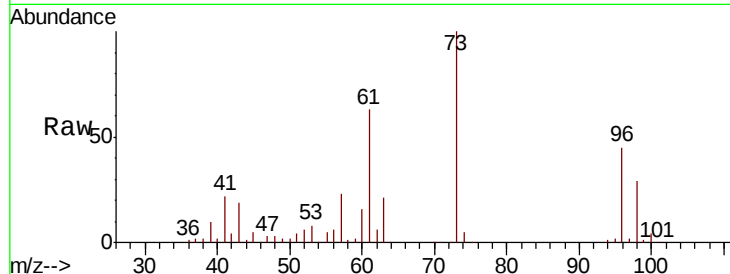




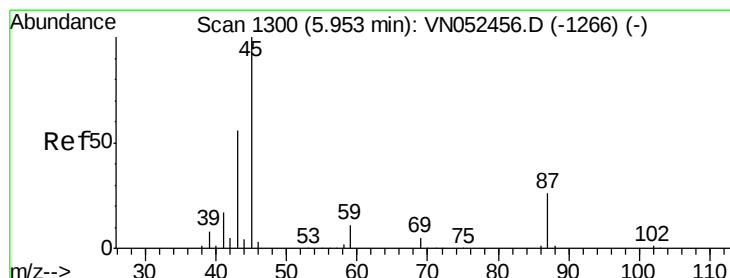
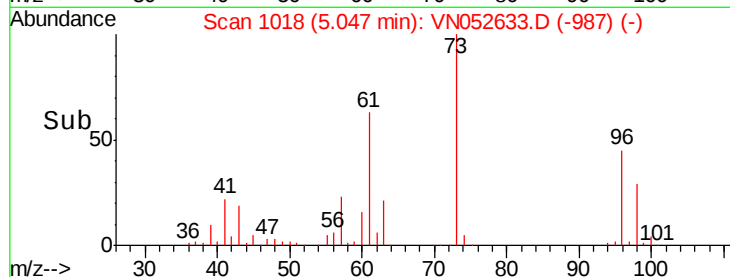
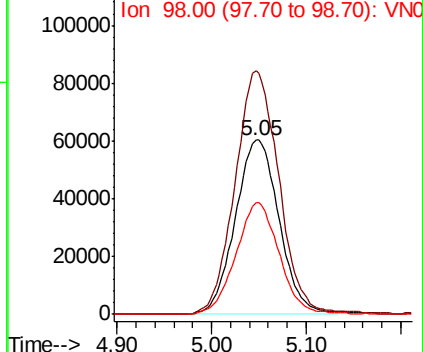
#19
trans-1,2-Dichloroethene
Concen: 19.841 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN052633.D
Acq: 3 Dec 2018 16:02

Instrument :
MSVOA_N
ClientSampleId :
VN1203WBSD02

Tot Ion: 96 Resp: 194311
Ion Ratio Lower Upper
96 100
61 139.4 118.2 177.4
98 64.0 51.4 77.2

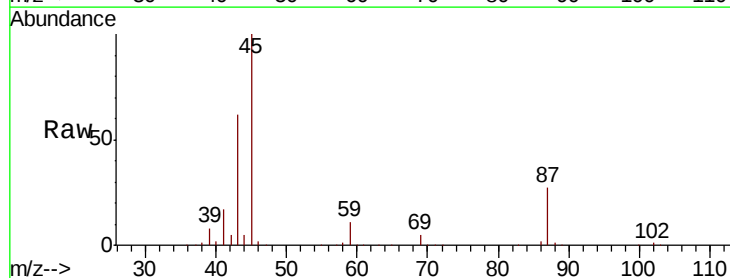


Abundance Ion 96.00 (95.70 to 96.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

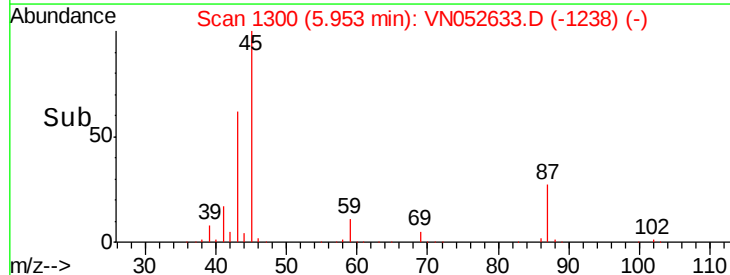
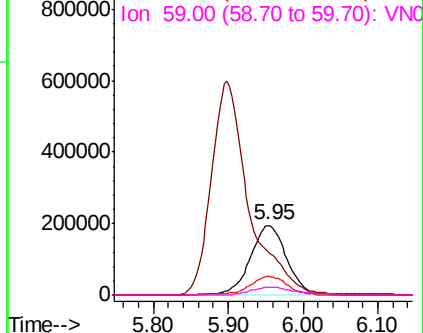


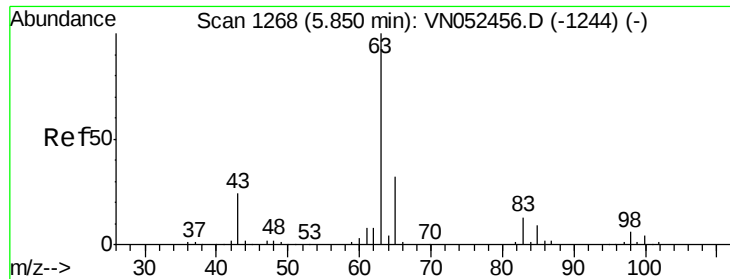
#20
Diisopropyl ether
Concen: 19.604 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN052633.D
Acq: 3 Dec 2018 16:02

Tgt Ion: 45 Resp: 653809
Ion Ratio Lower Upper
45 100
43 60.0 47.8 71.8
87 26.7 21.3 31.9
59 11.1 8.9 13.3



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

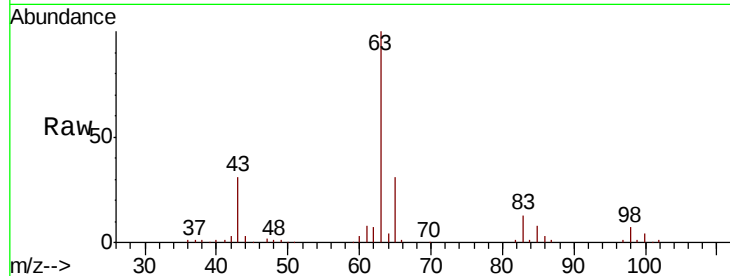




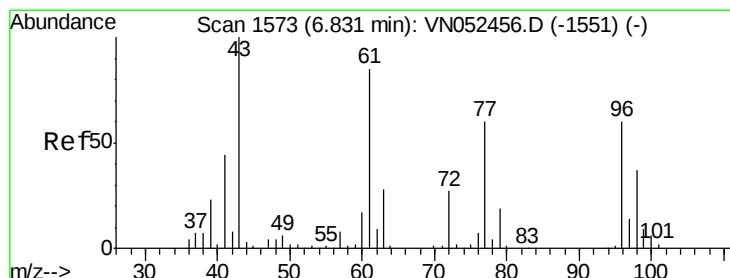
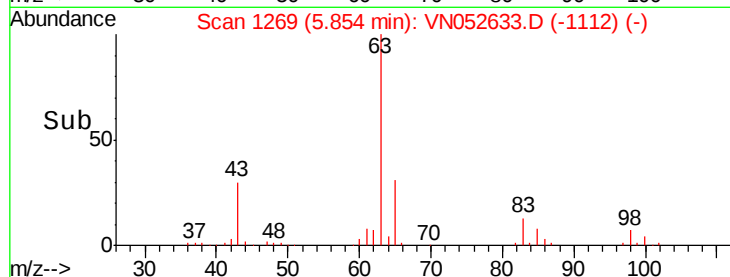
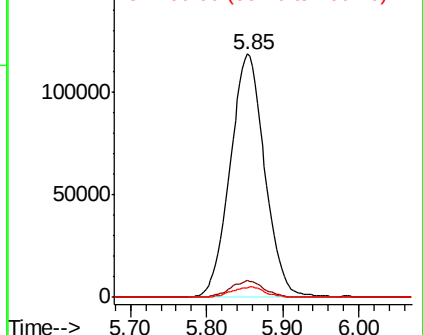
#21
 1,1-Dichloroethane
 Concen: 19.660 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN052633.D
 Acq: 3 Dec 2018 16:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1203WBSD02

Tot Ion: 63 Resp: 373715
 Ion Ratio Lower Upper
 63 100
 98 6.8 3.0 9.2
 100 4.0 1.8 5.5

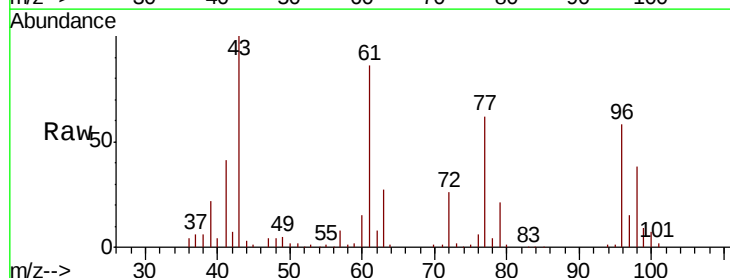


Abundance Ion 63.00 (62.70 to 63.70): VN0
 Ion 98.00 (97.70 to 98.70): VN0
 Ion 100.00 (99.70 to 100.70): VN0

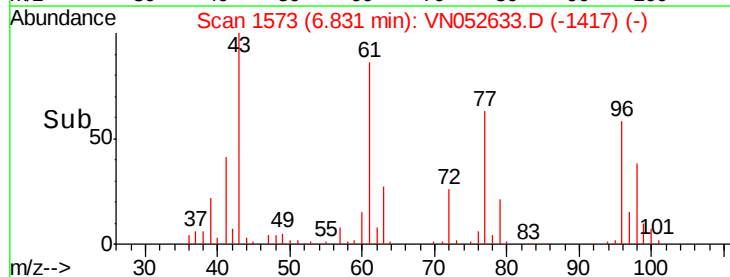
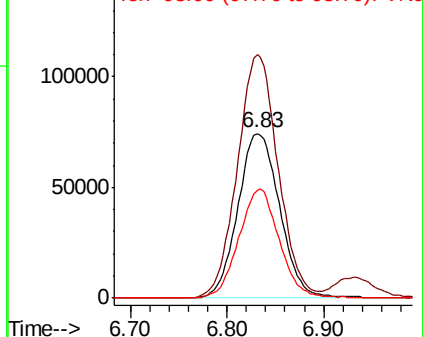


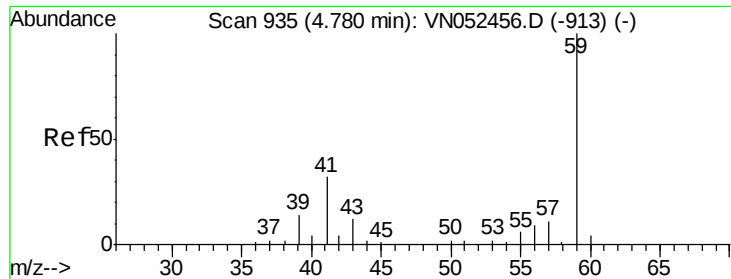
#22
 cis-1,2-Dichloroethene
 Concen: 19.924 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN052633.D
 Acq: 3 Dec 2018 16:02

Tgt Ion: 96 Resp: 223621
 Ion Ratio Lower Upper
 96 100
 61 144.1 116.7 175.1
 98 63.8 50.8 76.2



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



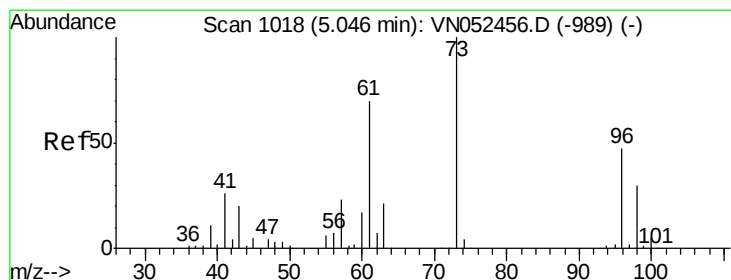
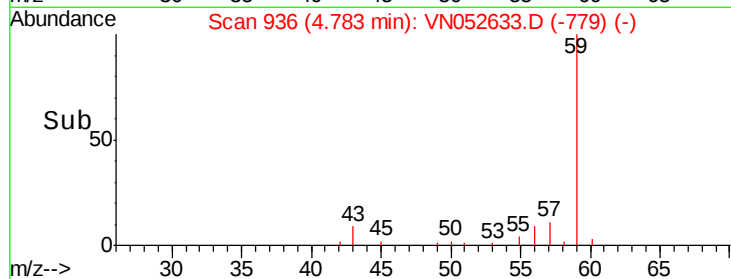
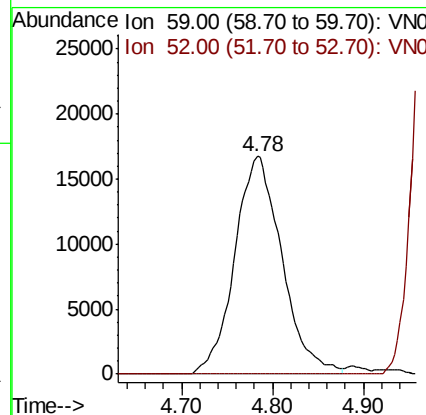
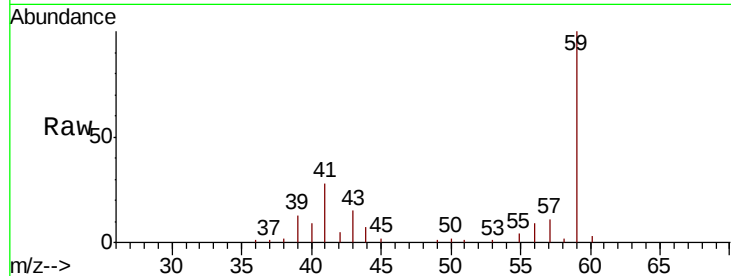


#23

tert-Butyl Alcohol
 Concen: 123.099 ug/l
 RT: 4.78 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VN052633.D
 Acq: 3 Dec 2018 16:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1203WBSD02

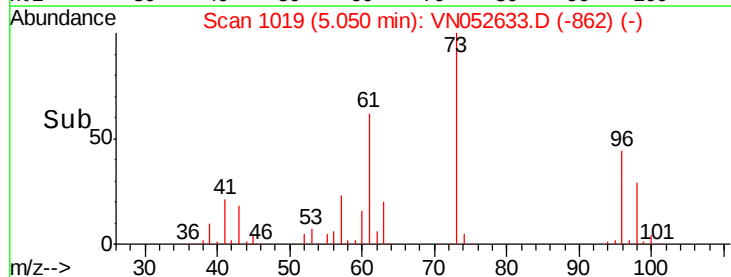
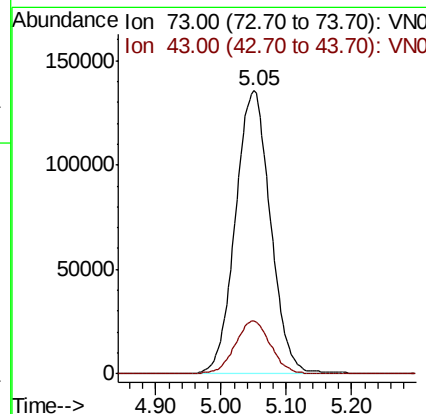
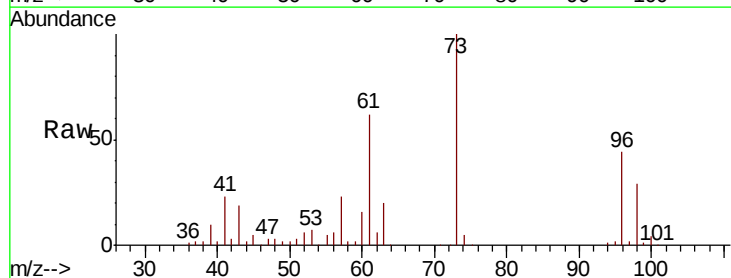
Tot Ion: 59 Resp: 60329
 Ion Ratio Lower Upper
 59 100
 52 0.4 0.0 0.0#

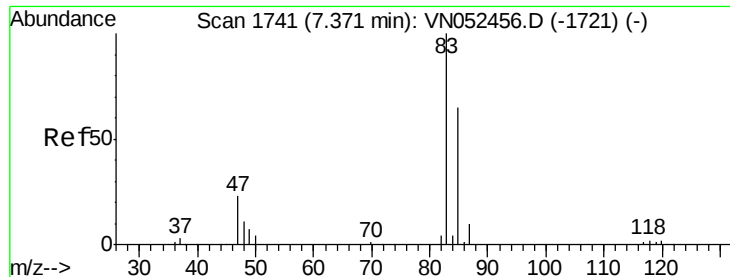


#24

Methyl tert-Butyl Ether
 Concen: 21.226 ug/l
 RT: 5.05 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VN052633.D
 Acq: 3 Dec 2018 16:02

Tgt Ion: 73 Resp: 506738
 Ion Ratio Lower Upper
 73 100
 43 18.5 15.8 23.8

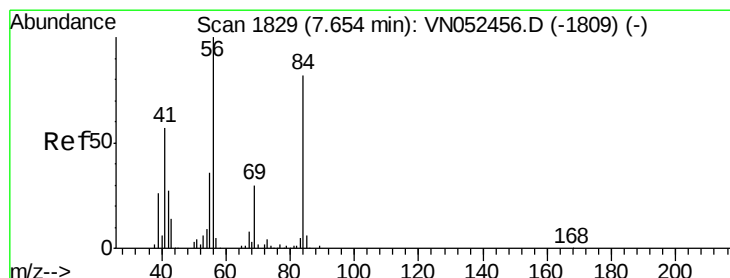
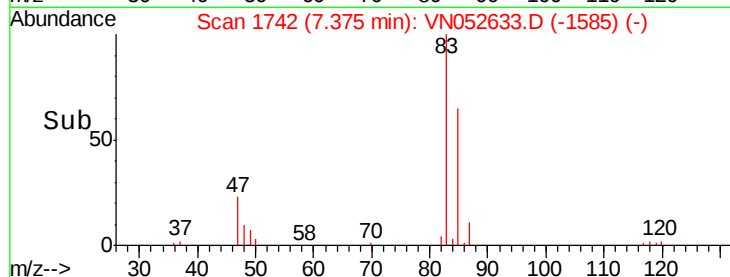
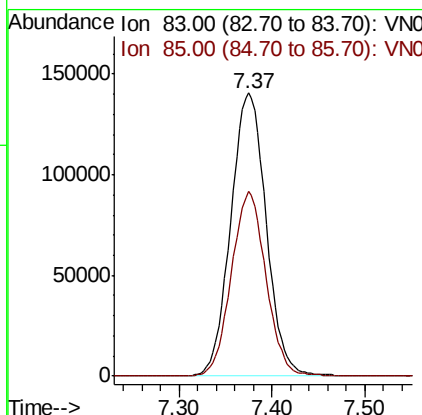
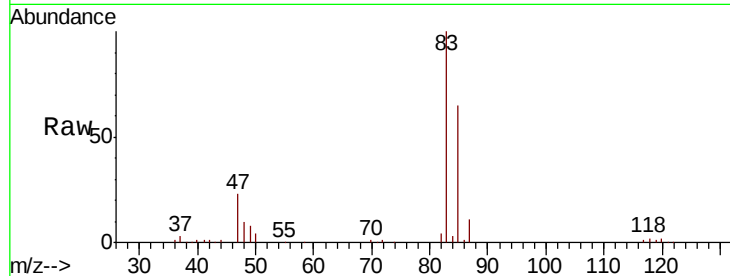




#25
Chloroform
Concen: 20.332 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN052633.D
Acq: 3 Dec 2018 16:02

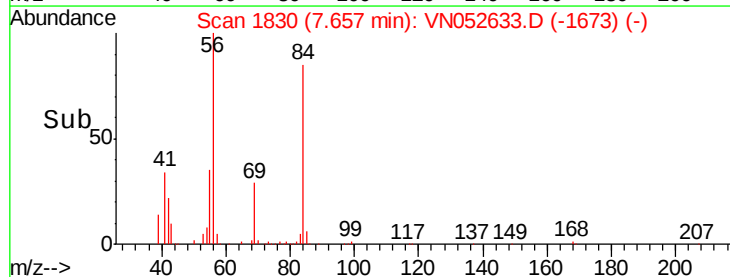
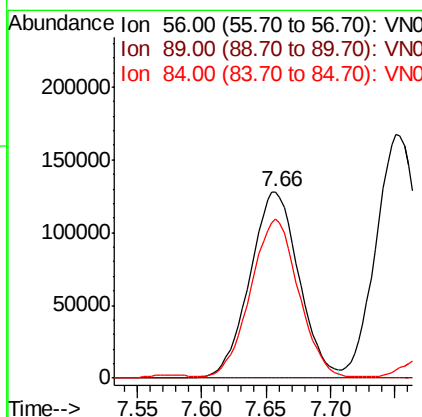
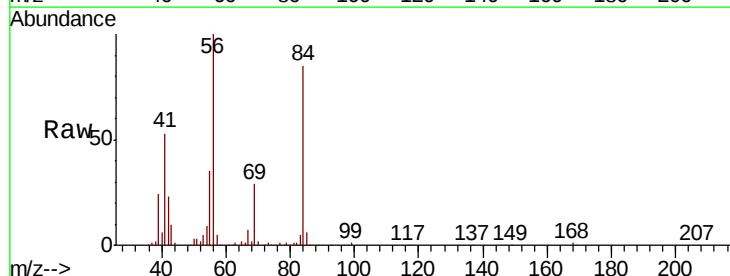
Instrument :
MSVOA_N
ClientSampleId :
VN1203WBSD02

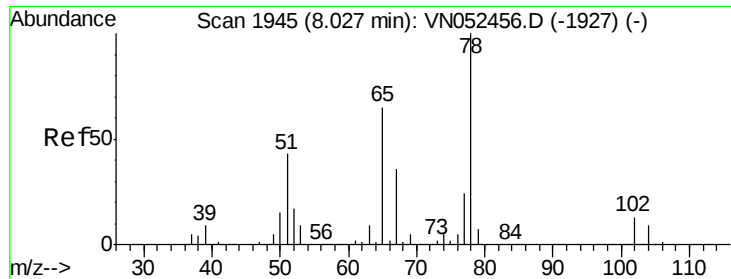
Tot Ion: 83 Resp: 372857
Ion Ratio Lower Upper
83 100
85 65.2 51.7 77.5



#26
Cyclohexane
Concen: 18.892 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN052633.D
Acq: 3 Dec 2018 16:02

Tgt Ion: 56 Resp: 338696
Ion Ratio Lower Upper
56 100
89 0.0 0.5 0.7#
84 84.4 66.2 99.2





#27

1,2-Dichloroethane-d4

Concen: 18.892 ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN052633.D

Acq: 3 Dec 2018 16:02

Instrument :

MSVOA_N

ClientSampleId :

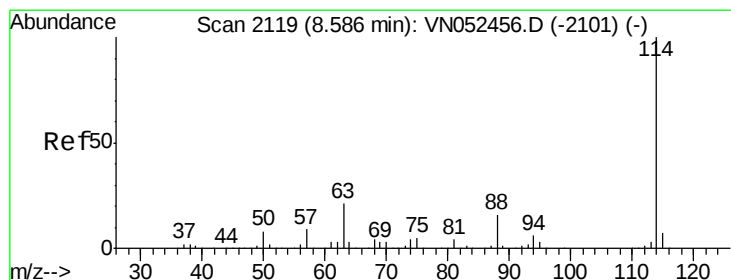
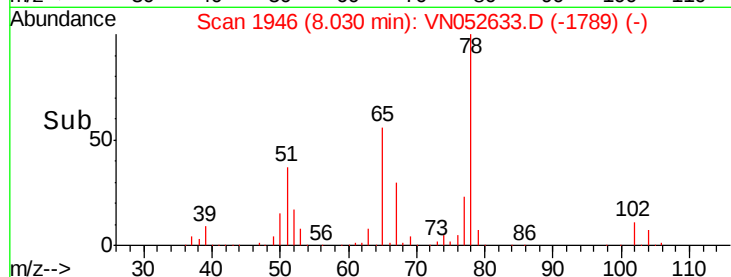
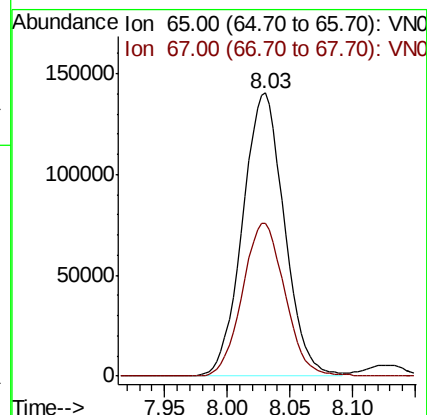
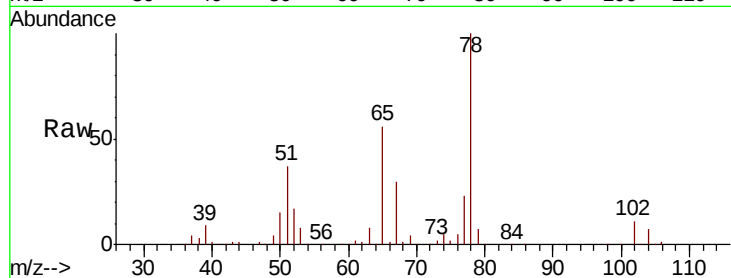
VN1203WBSD02

Tot Ion: 65 Resp: 325710

Ion Ratio Lower Upper

65 100

67 54.6 44.6 66.8



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN052633.D

Acq: 3 Dec 2018 16:02

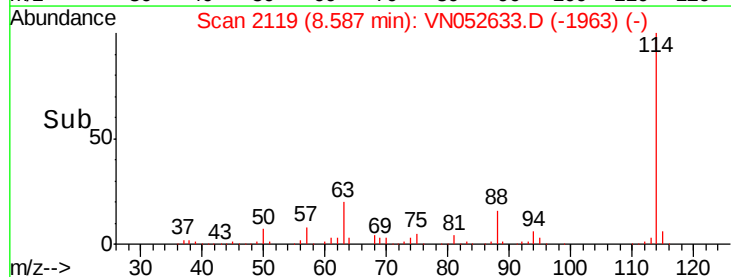
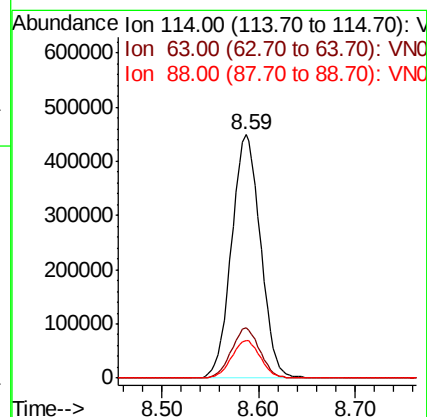
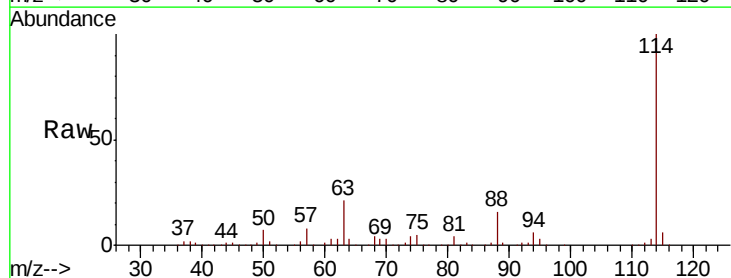
Tgt Ion: 114 Resp: 932782

Ion Ratio Lower Upper

114 100

63 20.2 16.9 25.3

88 15.4 12.8 19.2

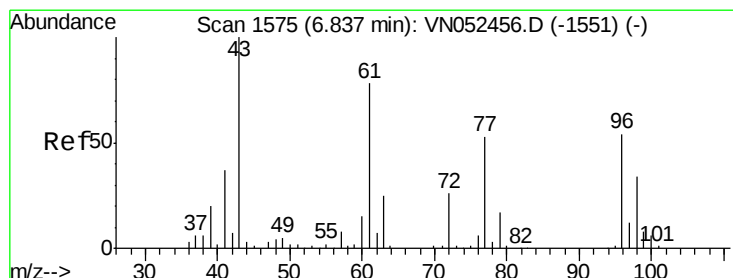
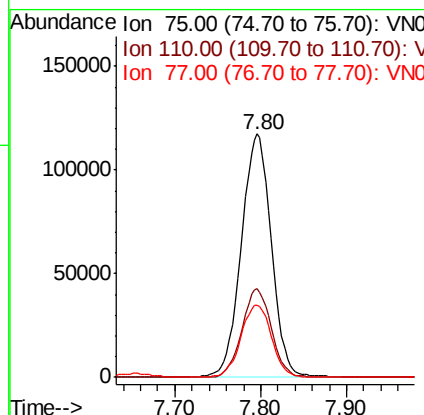
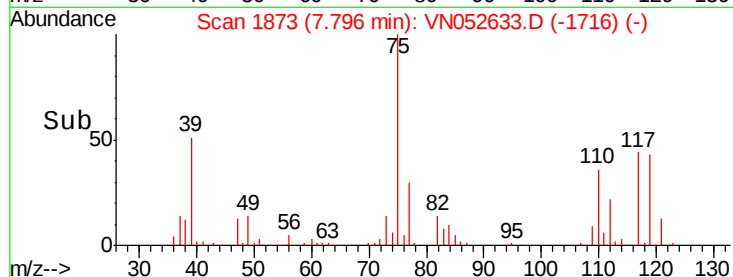
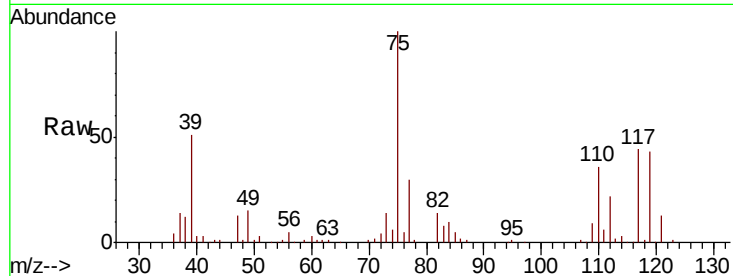




#29
 1,1-Dichloropropene
 Concen: 20.017 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN052633.D
 Acq: 3 Dec 2018 16:02

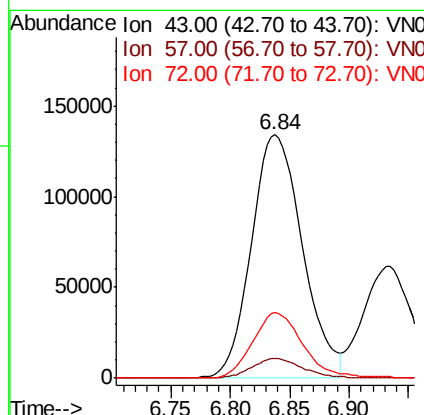
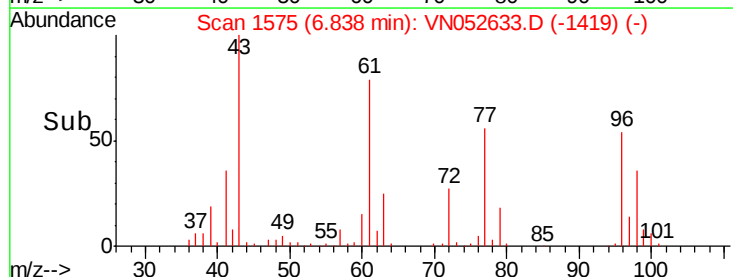
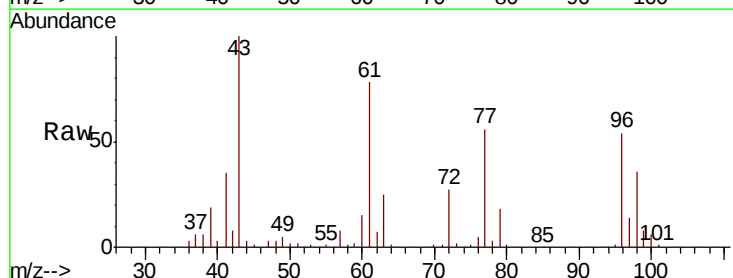
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1203WBSD02

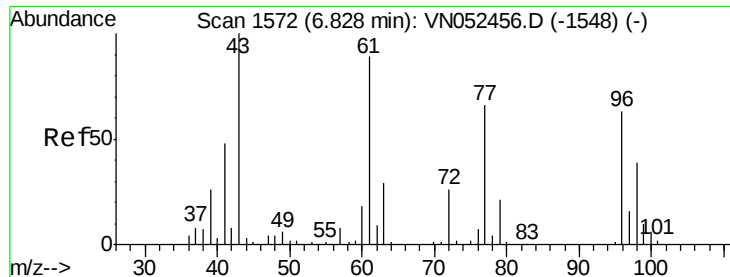
Tot Ion: 75 Resp: 285134
 Ion Ratio Lower Upper
 75 100
 110 35.5 0.0 70.2
 77 30.4 0.0 62.6



#30
 2-Butanone
 Concen: 104.363 ug/l
 RT: 6.84 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: VN052633.D
 Acq: 3 Dec 2018 16:02

Tgt Ion: 43 Resp: 397789
 Ion Ratio Lower Upper
 43 100
 57 8.1 6.2 9.4
 72 26.7 21.0 31.6

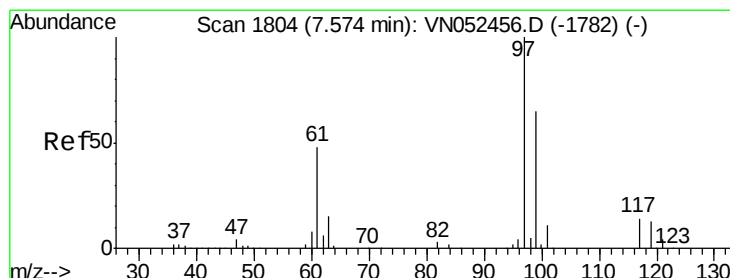
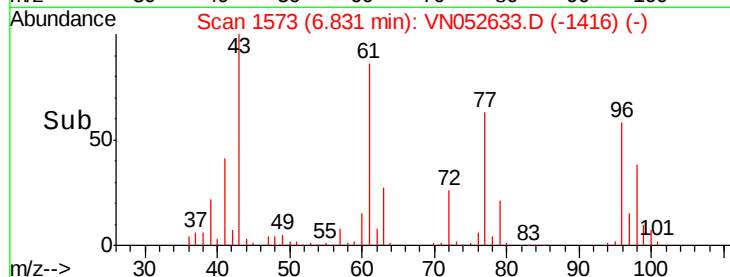
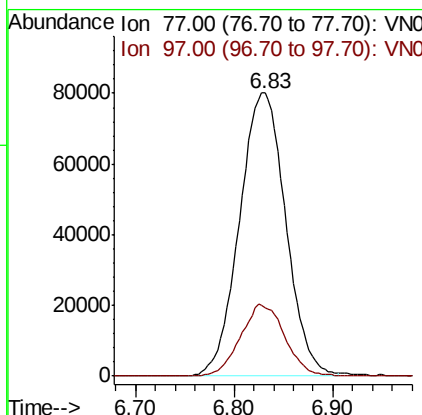
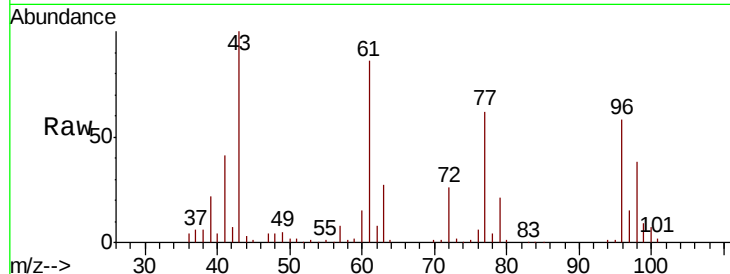




#31
 2,2-Dichloropropane
 Concen: 19.837 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN052633.D
 Acq: 3 Dec 2018 16:02

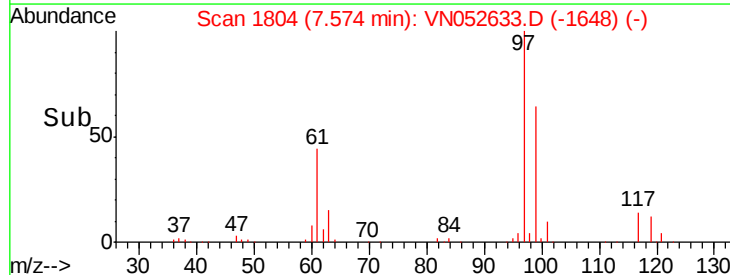
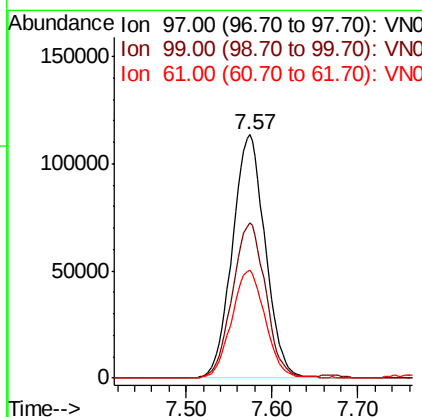
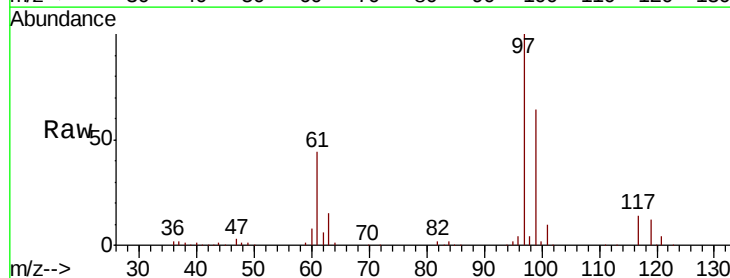
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1203WBSD02

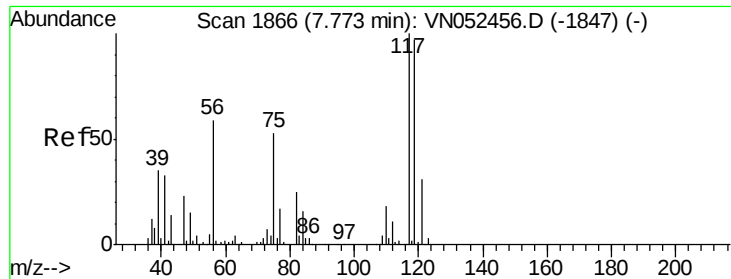
Tot Ion: 77 Resp: 260138
 Ion Ratio Lower Upper
 77 100
 97 24.3 18.7 28.1



#32
 1,1,1-Trichloroethane
 Concen: 20.342 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN052633.D
 Acq: 3 Dec 2018 16:02

Tgt Ion: 97 Resp: 301505
 Ion Ratio Lower Upper
 97 100
 99 64.2 50.9 76.3
 61 45.1 38.1 57.1

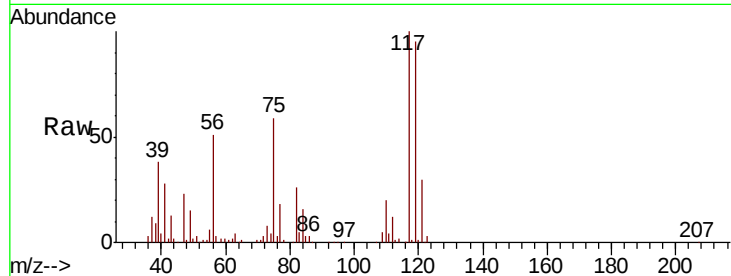




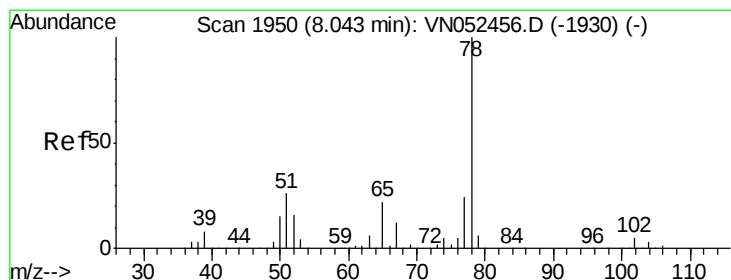
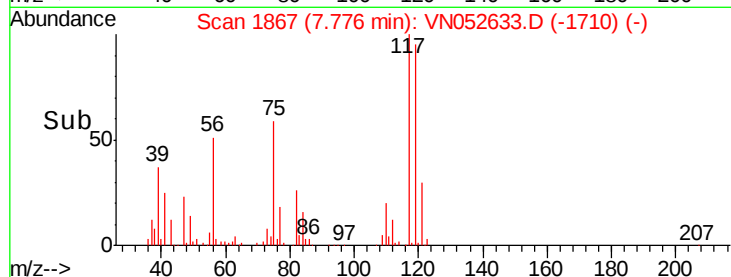
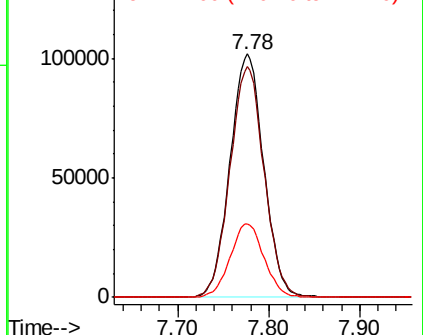
#33
Carbon Tetrachloride
Concen: 20.210 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN052633.D
Acq: 3 Dec 2018 16:02

Instrument :
MSVOA_N
ClientSampled :
VN1203WBSD02

Tot Ion:117 Resp: 262104
Ion Ratio Lower Upper
117 100
119 95.0 77.3 115.9
121 30.4 24.9 37.3

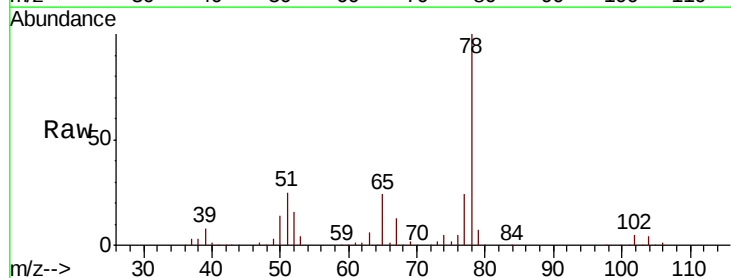


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

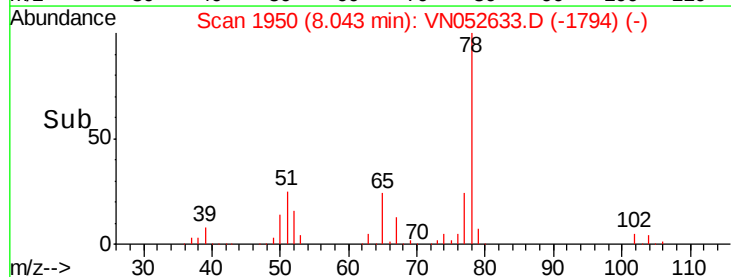
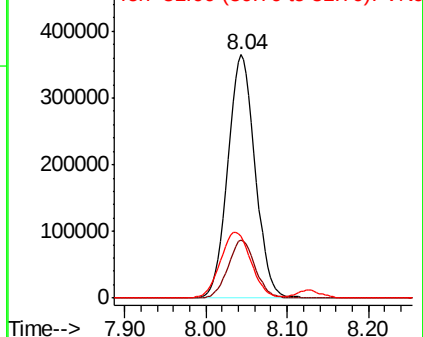


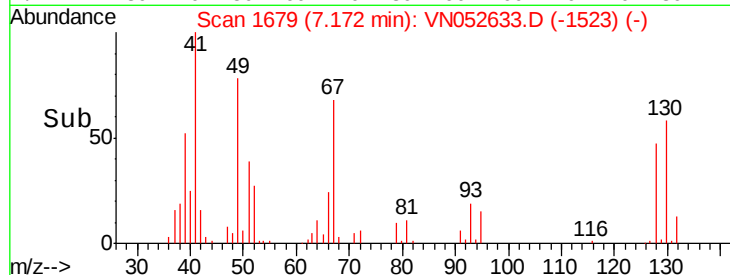
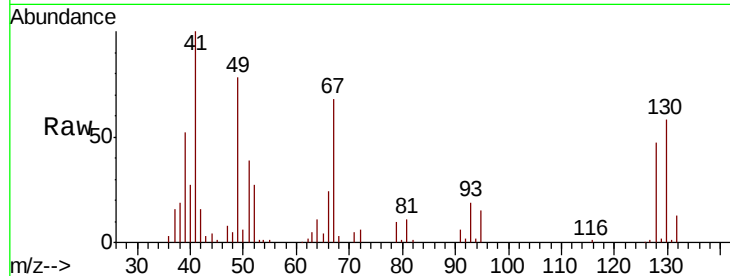
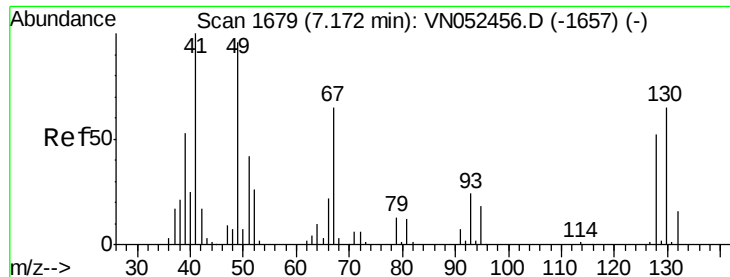
#34
Benzene
Concen: 19.957 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN052633.D
Acq: 3 Dec 2018 16:02

Tgt Ion: 78 Resp: 854701
Ion Ratio Lower Upper
78 100
77 23.8 19.0 28.6
51 25.1 20.5 30.7



Abundance Ion 78.10 (77.80 to 78.80): V
Ion 77.00 (76.70 to 77.70): V
Ion 51.00 (50.70 to 51.70): V

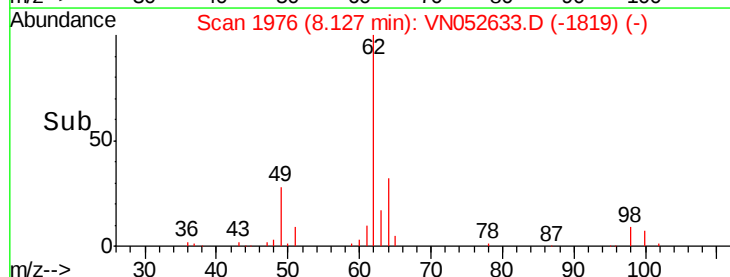
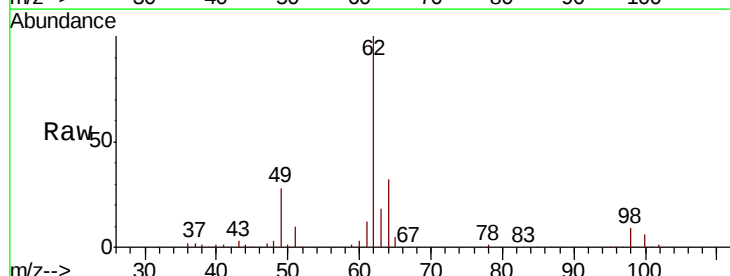
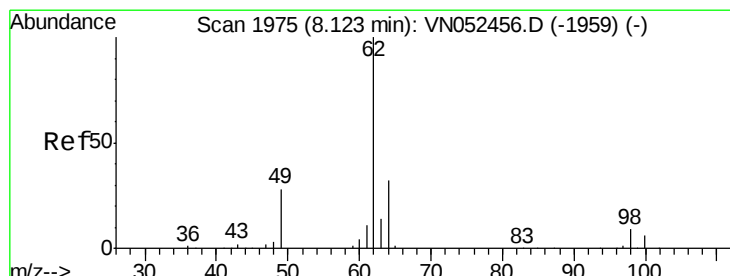
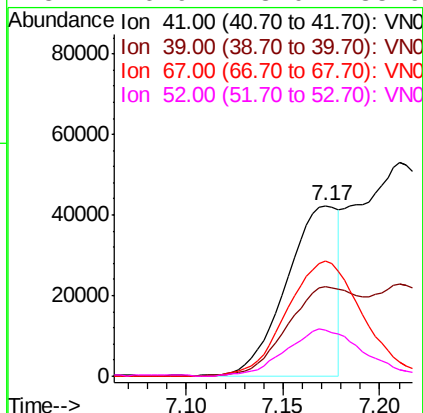




#35
Methacrylonitrile
Concen: 16.496 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN052633.D
Acq: 3 Dec 2018 16:02

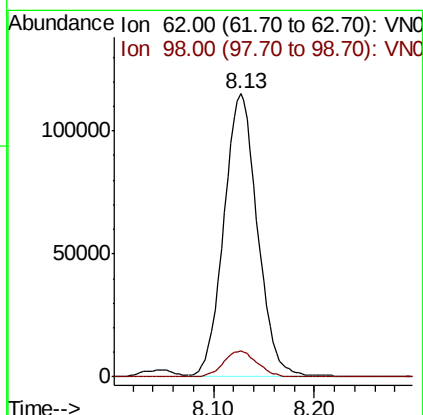
Instrument :
MSVOA_N
ClientSampleId :
VN1203WBSD02

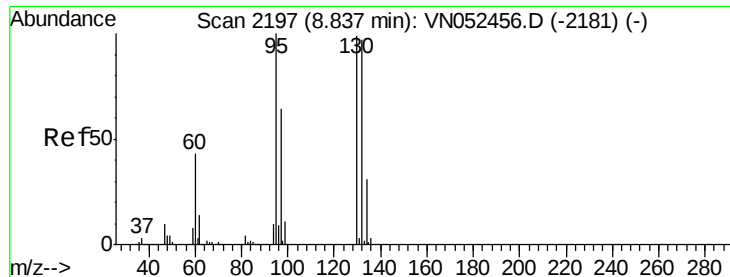
Tot Ion:	41	Resp:	78010
Ion	Ratio	Lower	Upper
41	100		
39	52.4	26.6	79.7
67	68.0	32.3	96.9
52	26.9	13.0	38.9



#36
1,2-Dichloroethane
Concen: 20.468 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN052633.D
Acq: 3 Dec 2018 16:02

Tgt Ion:	62	Resp:	265629
Ion	Ratio	Lower	Upper
62	100		
98	9.3	7.4	11.2





#37

Trichloroethene

Concen: 20.630 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN052633.D

Acq: 3 Dec 2018 16:02

Instrument :

MSVOA_N

ClientSampleId :

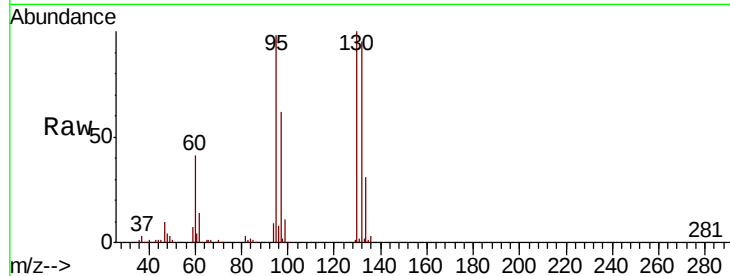
VN1203WBSD02

Tot Ion:130 Resp: 224042

Ion Ratio Lower Upper

130 100

95 98.0 81.0 121.4



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN

8.84

120000

100000

80000

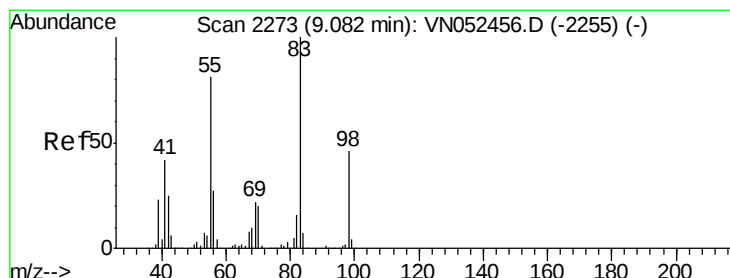
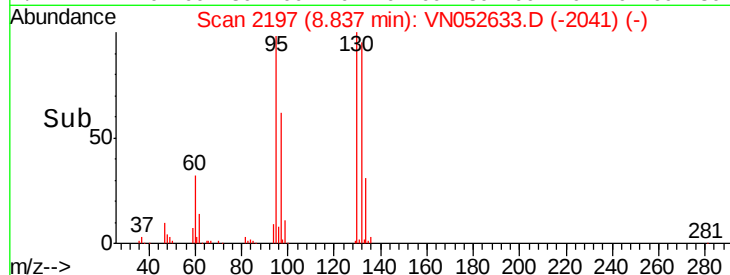
60000

40000

20000

0

Time-->



#38

Methylcyclohexane

Concen: 18.964 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. 0.00 min

Lab File: VN052633.D

Acq: 3 Dec 2018 16:02

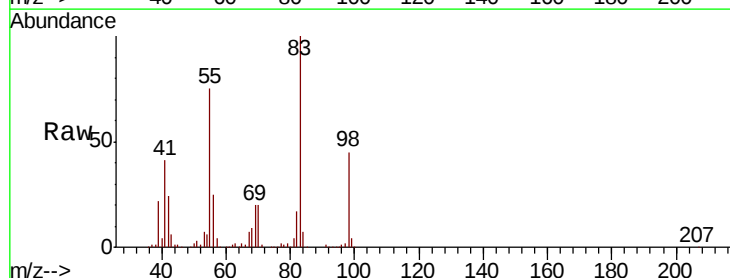
Tgt Ion: 83 Resp: 334406

Ion Ratio Lower Upper

83 100

55 76.6 39.8 119.4

98 46.3 22.9 68.5



Abundance Ion 83.00 (82.70 to 83.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 98.00 (97.70 to 98.70): VN

200000

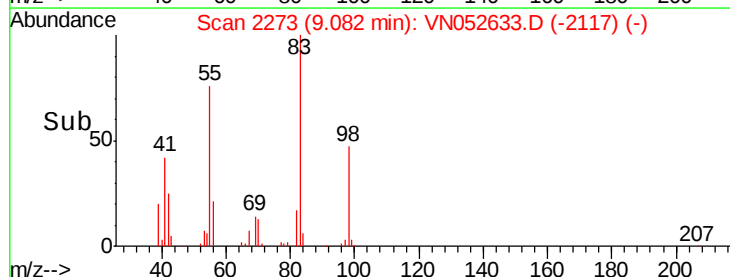
150000

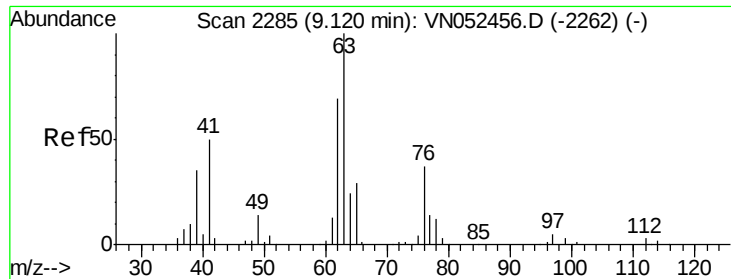
100000

50000

0

Time-->

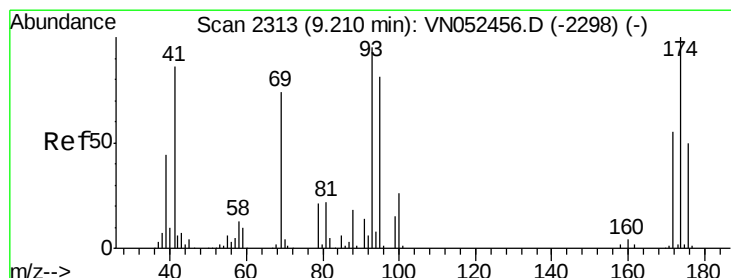
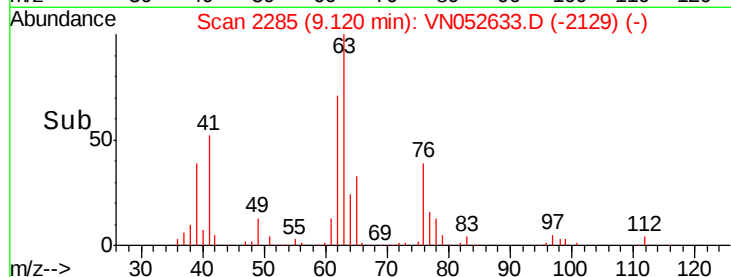
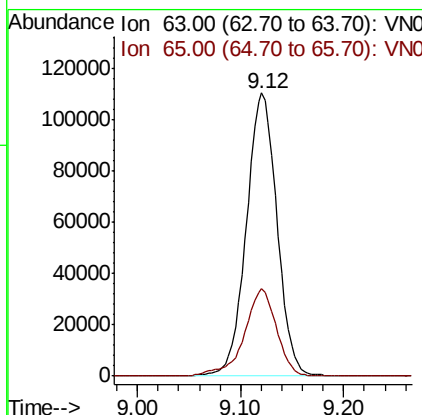
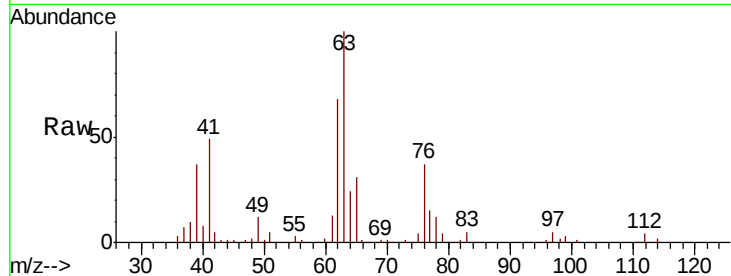




#39
 1,2-Dichloropropane
 Concen: 19.846 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN052633.D
 Acq: 3 Dec 2018 16:02

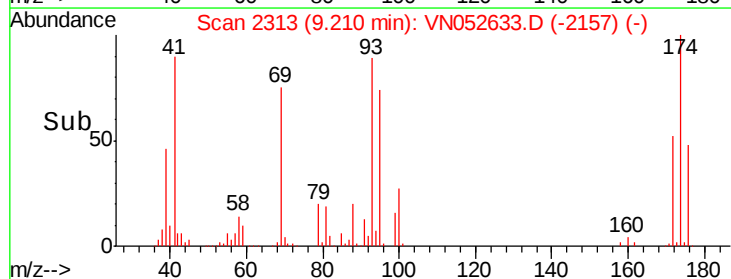
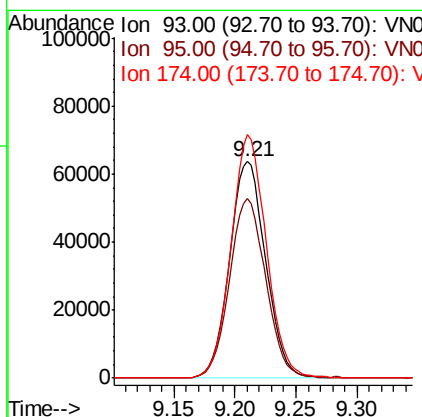
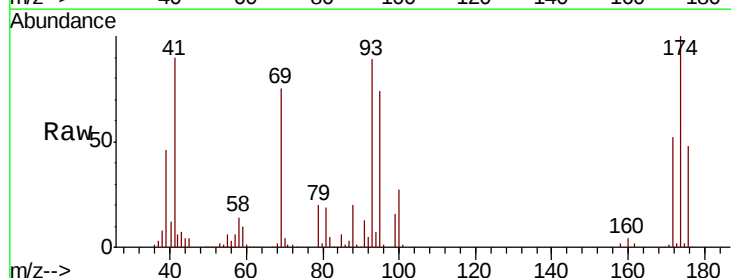
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1203WBSD02

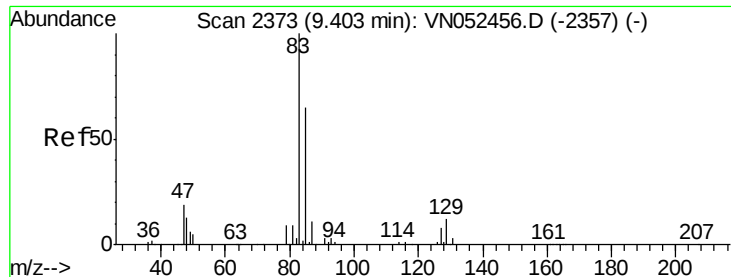
Tot Ion: 63 Resp: 227830
 Ion Ratio Lower Upper
 63 100
 65 30.7 23.6 35.4



#40
 Dibromomethane
 Concen: 21.169 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN052633.D
 Acq: 3 Dec 2018 16:02

Tgt Ion: 93 Resp: 131327
 Ion Ratio Lower Upper
 93 100
 95 83.2 0.0 168.4
 174 109.6 0.0 210.0

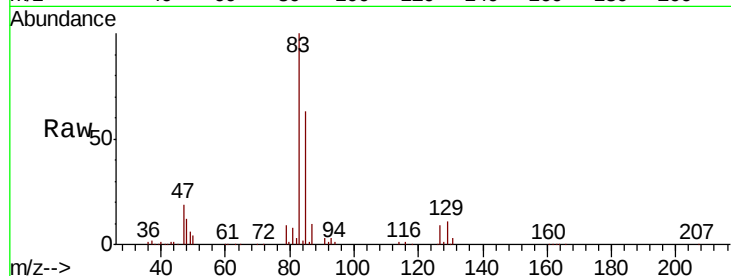




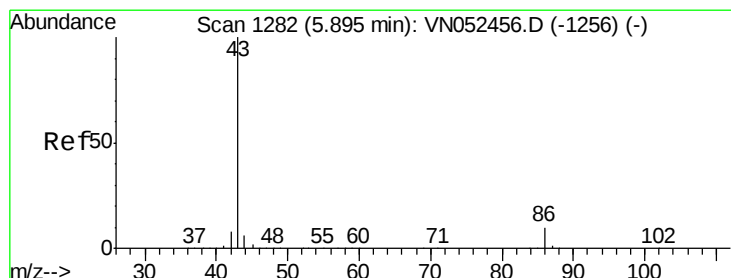
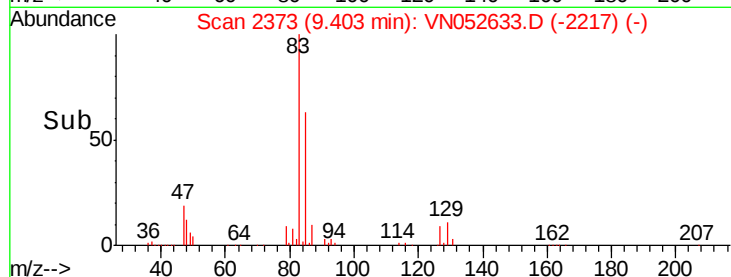
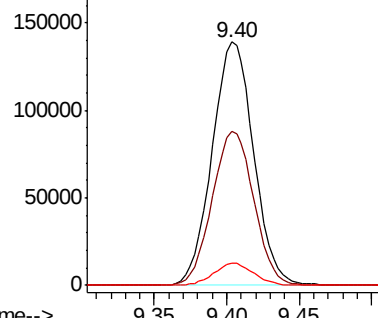
#41
 Bromodichloromethane
 Concen: 20.214 ug/l
 RT: 9.40 min Scan# 2373
 Delta R.T. 0.00 min
 Lab File: VN052633.D
 Acq: 3 Dec 2018 16:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1203WBSD02

Tot Ion: 83 Resp: 277058
 Ion Ratio Lower Upper
 83 100
 85 63.2 52.4 78.6
 127 9.0 6.6 9.8

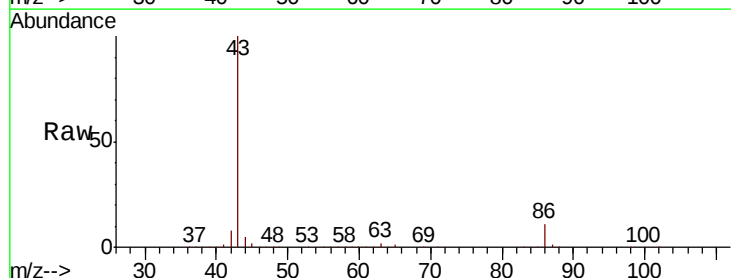


Abundance Ion 83.00 (82.70 to 83.70): VN0
 Ion 85.00 (84.70 to 85.70): VN0
 Ion 127.00 (126.70 to 127.70): V

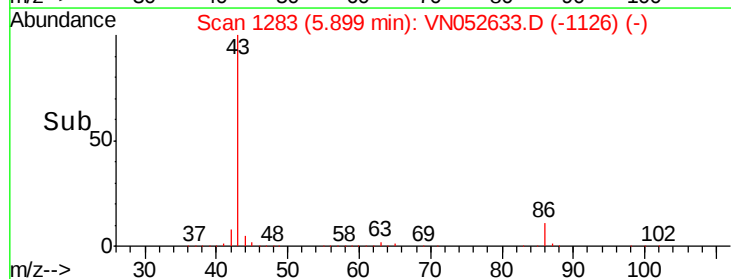
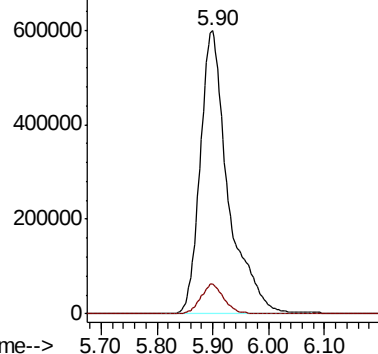


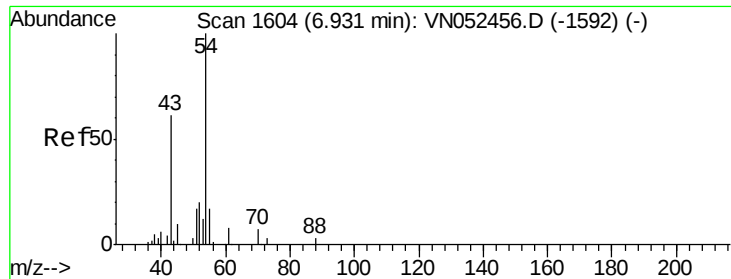
#42
 Vinyl Acetate
 Concen: 101.267 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VN052633.D
 Acq: 3 Dec 2018 16:02

Tgt Ion: 43 Resp: 2088454
 Ion Ratio Lower Upper
 43 100
 86 8.7 6.5 9.7



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





#43

Ethyl Acetate

Concen: 21.228 ug/l

RT: 6.93 min Scan# 1605

Delta R.T. 0.00 min

Lab File: VN052633.D

Acq: 3 Dec 2018 16:02

Instrument :

MSVOA_N

ClientSampleId :

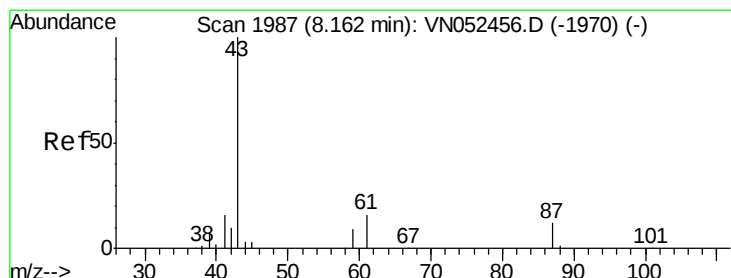
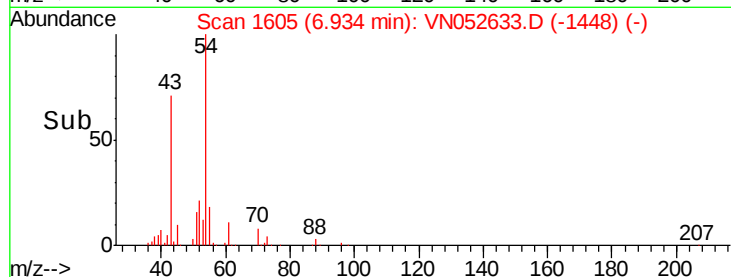
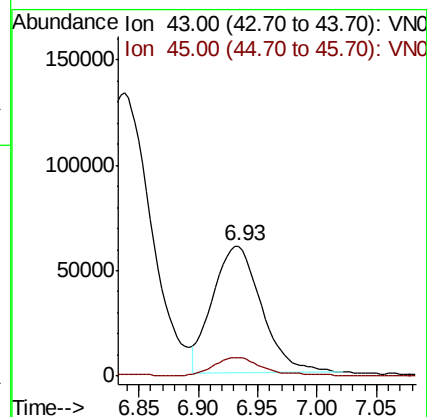
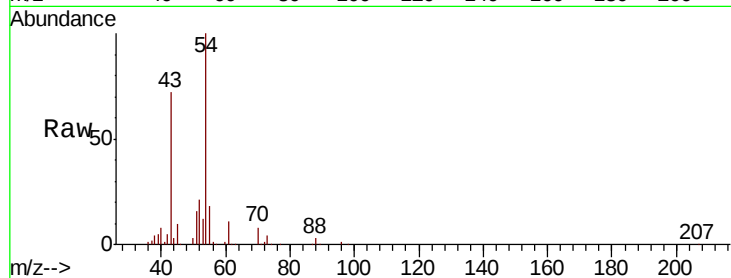
VN1203WBSD02

Tot Ion: 43 Resp: 172049

Ion Ratio Lower Upper

43 100

45 13.5 1.0 1.6#



#44

Isopropyl Acetate

Concen: 22.352 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN052633.D

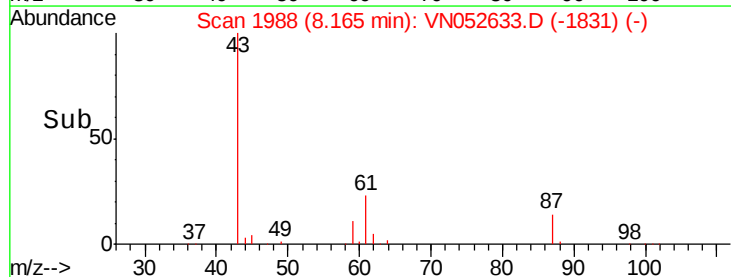
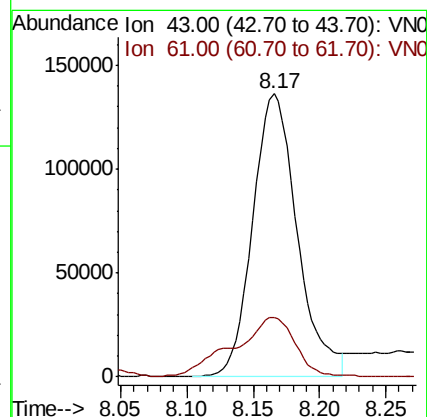
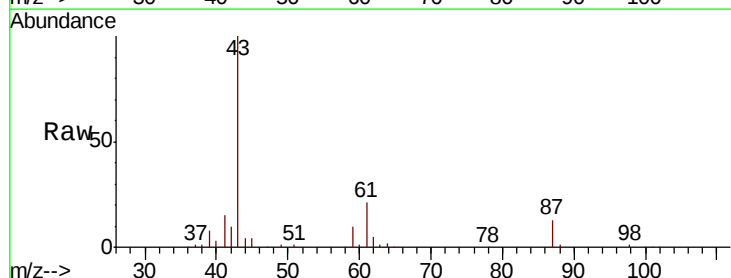
Acq: 3 Dec 2018 16:02

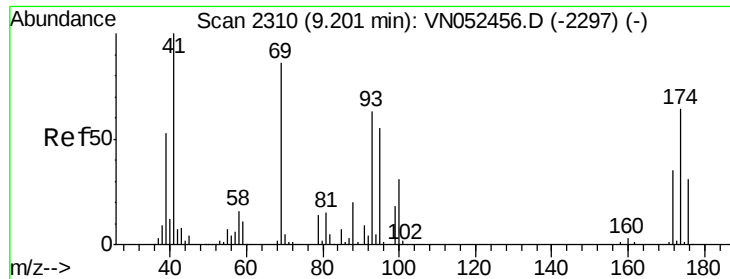
Tgt Ion: 43 Resp: 317721

Ion Ratio Lower Upper

43 100

61 29.3 16.0 24.0#

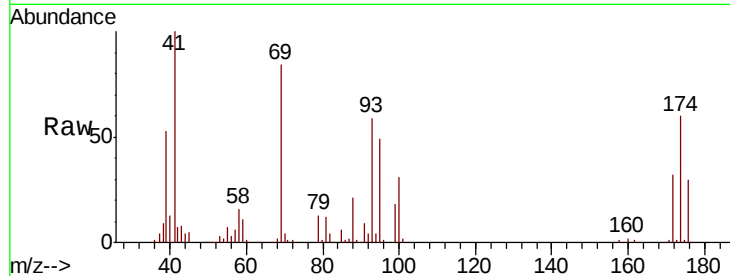




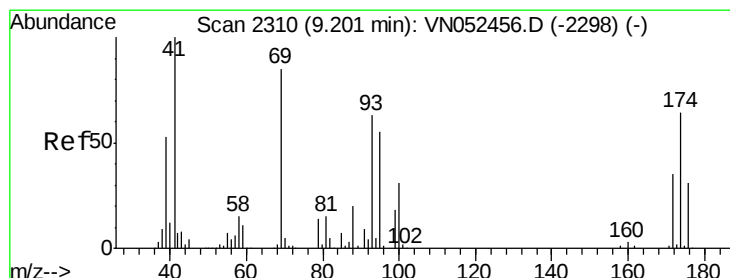
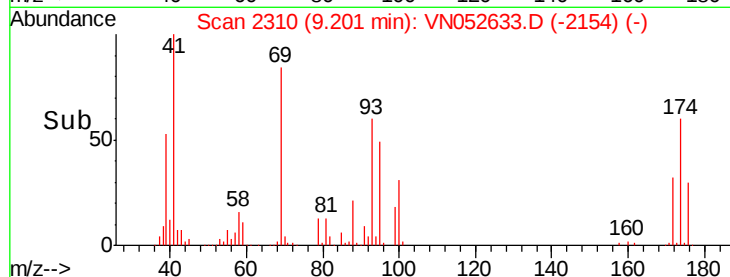
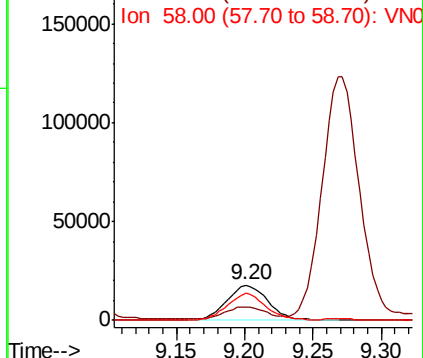
#45
 1,4-Dioxane
 Concen: 482.403 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN052633.D
 Acq: 3 Dec 2018 16:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1203WBSD02

Tot Ion: 88 Resp: 37513
 Ion Ratio Lower Upper
 88 100
 43 31.9 29.5 44.3
 58 72.6 61.5 92.3

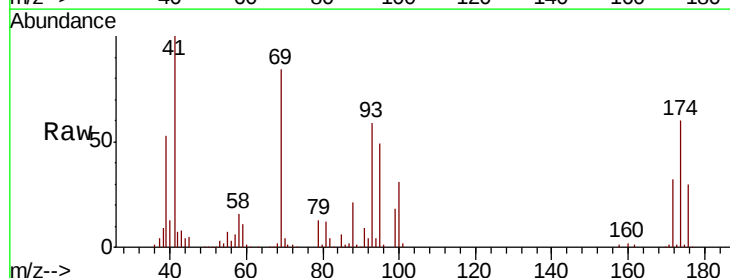


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

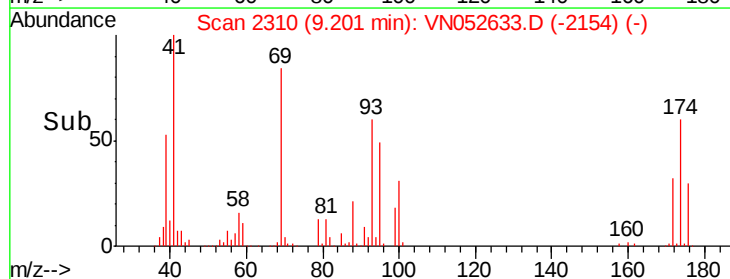
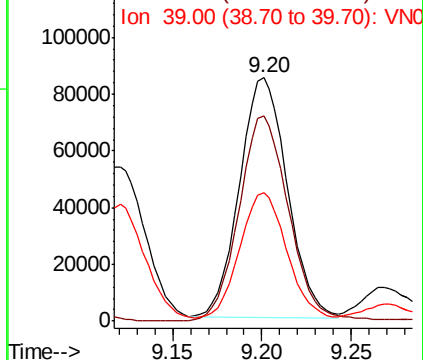


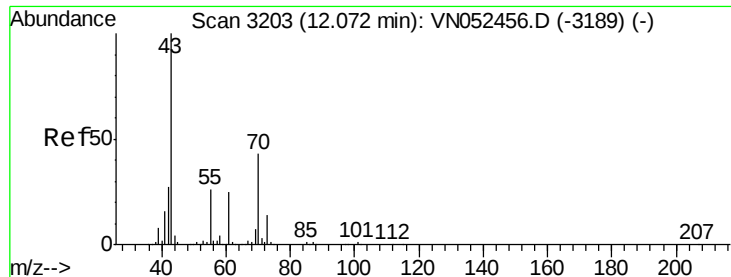
#46
 Methyl methacrylate
 Concen: 21.380 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN052633.D
 Acq: 3 Dec 2018 16:02

Tgt Ion: 41 Resp: 157791
 Ion Ratio Lower Upper
 41 100
 69 85.8 42.5 127.6
 39 52.4 26.3 78.9



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

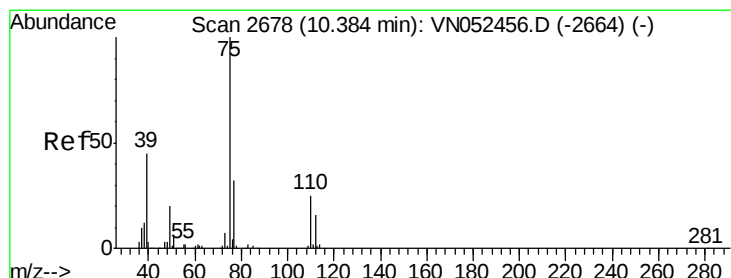
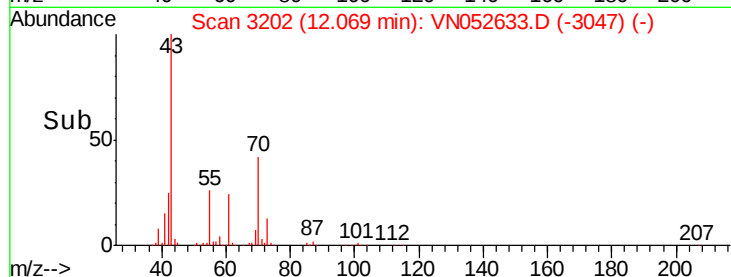
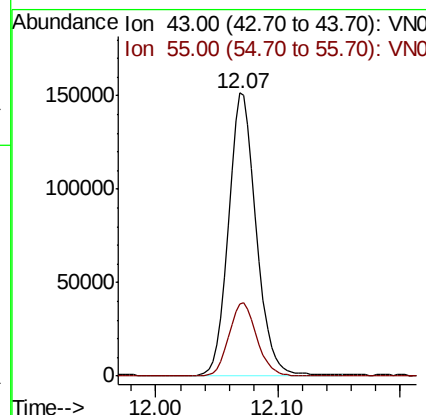
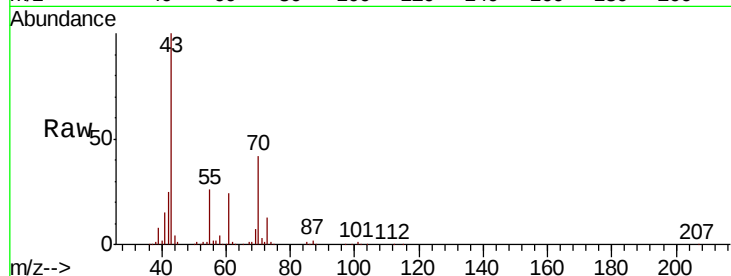




#47
n-amvl Acetate
Concen: 20.294 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. -0.00 min
Lab File: VN052633.D
Acq: 3 Dec 2018 16:02

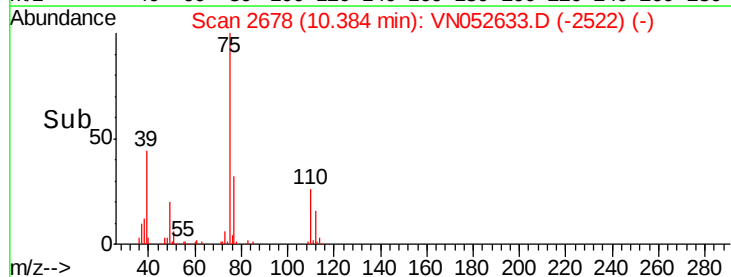
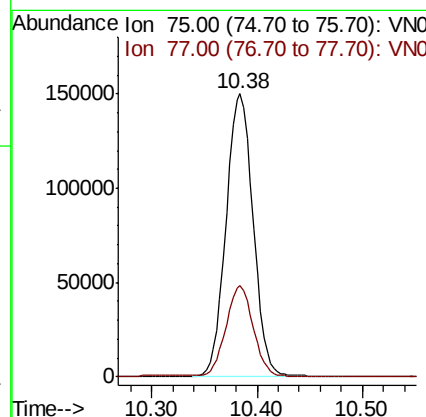
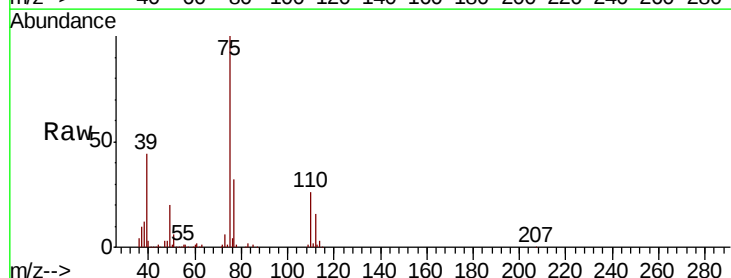
Instrument :
MSVOA_N
ClientSampleId :
VN1203WBSD02

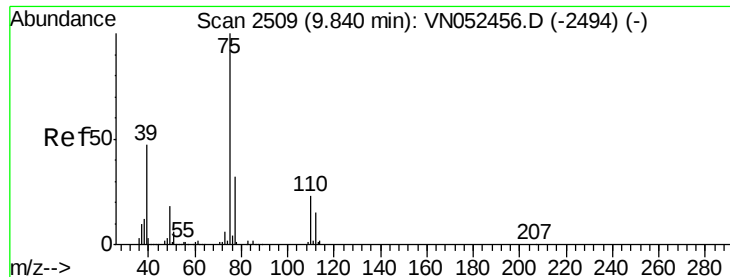
Tot Ion: 43 Resp: 239179
Ion Ratio Lower Upper
43 100
55 26.3 21.1 31.7



#48
t-1,3-Dichloropropene
Concen: 20.148 ug/l
RT: 10.38 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN052633.D
Acq: 3 Dec 2018 16:02

Tgt Ion: 75 Resp: 267763
Ion Ratio Lower Upper
75 100
77 31.9 25.6 38.4



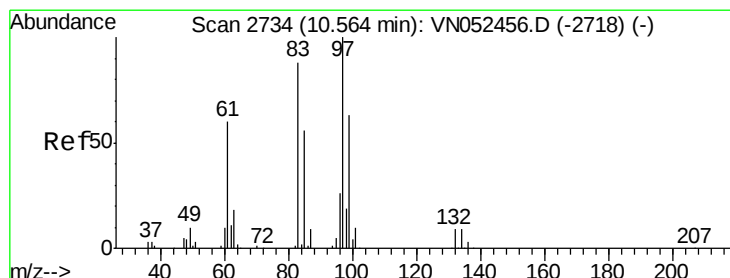
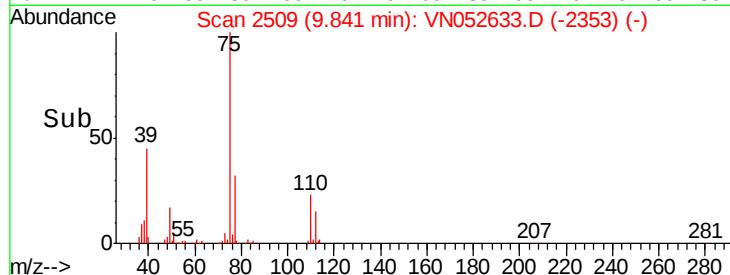
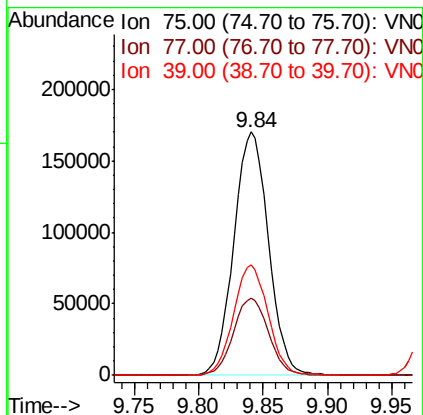
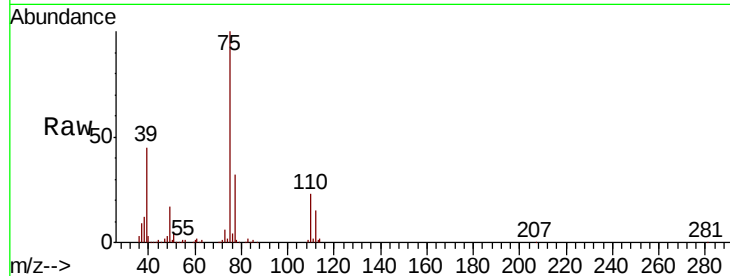


#49

cis-1,3-Dichloropropene
 Concen: 19.696 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN052633.D
 Acq: 3 Dec 2018 16:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1203WBSD02

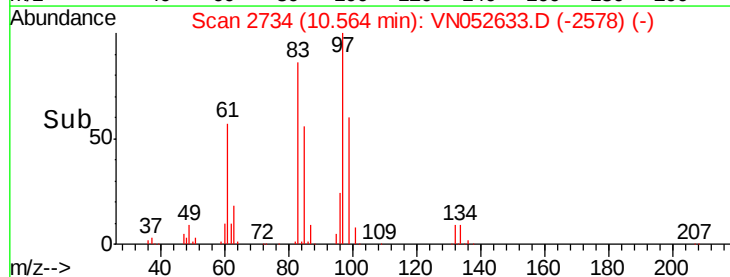
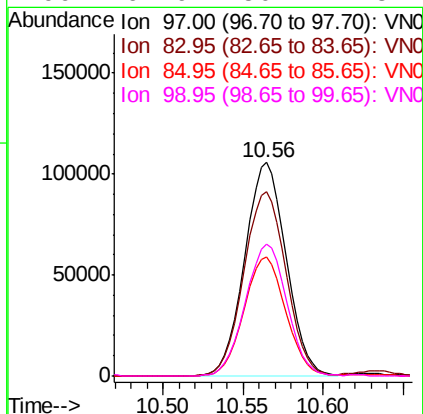
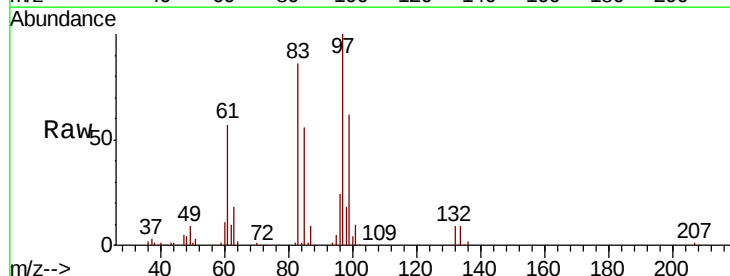
Tot Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.4	38.0
39	45.3	37.3	55.9

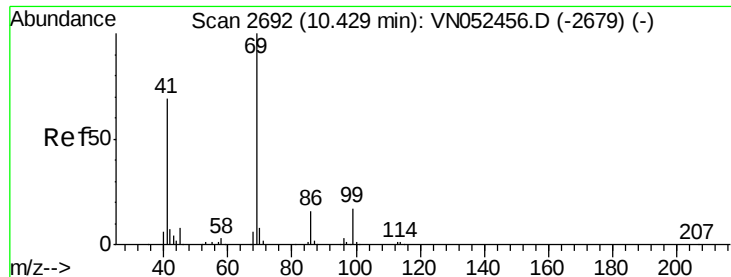


#50

1,1,2-Trichloroethane
 Concen: 21.320 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN052633.D
 Acq: 3 Dec 2018 16:02

Tgt Ion	Ratio	Lower	Upper
97	100		
83	86.2	70.4	105.6
85	55.7	45.0	67.6
99	61.9	50.2	75.2





#51

Ethyl methacrylate

Concen: 20.933 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN052633.D

Acq: 3 Dec 2018 16:02

Instrument :

MSVOA_N

ClientSampleId :

VN1203WBSD02

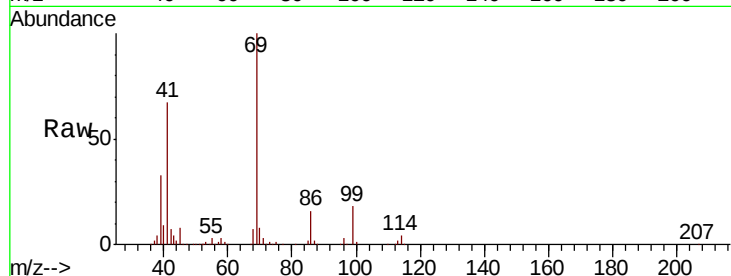
Tot Ion: 69 Resp: 231191

Ion	Ratio	Lower	Upper
69	100		
41	66.4	34.4	103.3
39	33.0	16.4	49.2

69 100

41 66.4 34.4 103.3

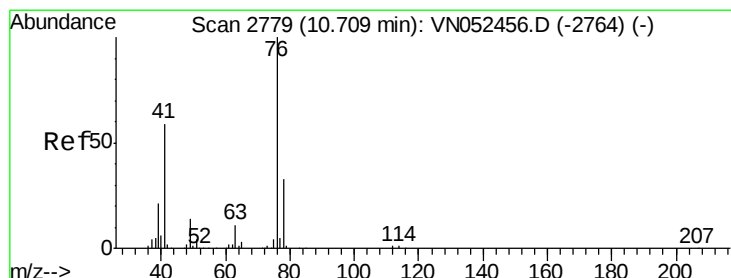
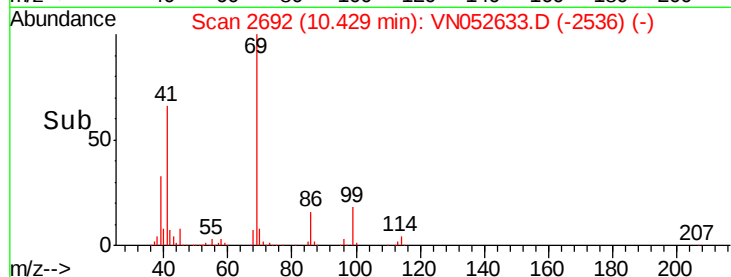
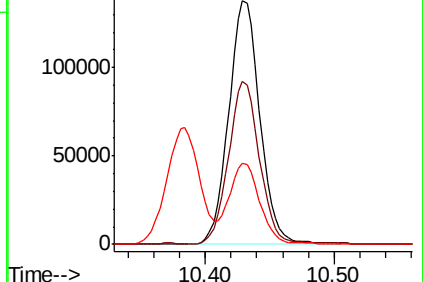
39 33.0 16.4 49.2



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#52

1,3-Dichloropropane

Concen: 20.497 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN052633.D

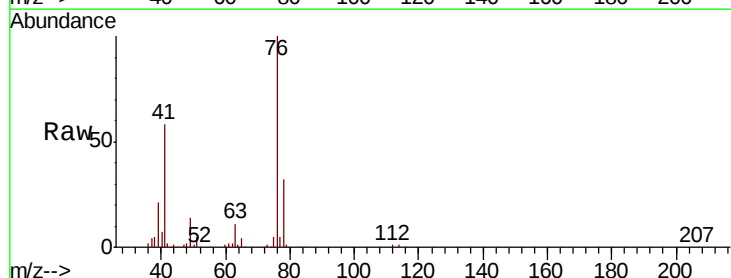
Acq: 3 Dec 2018 16:02

Tgt Ion: 76 Resp: 320823

Ion	Ratio	Lower	Upper
76	100		
78	32.0	0.0	64.8

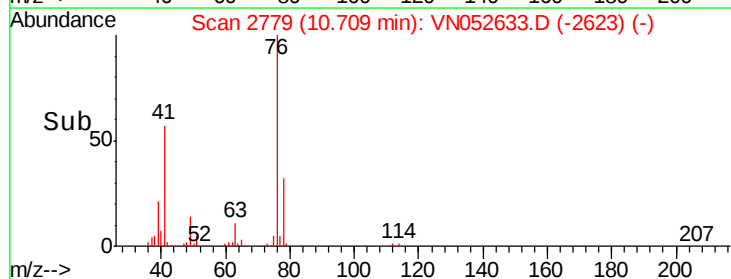
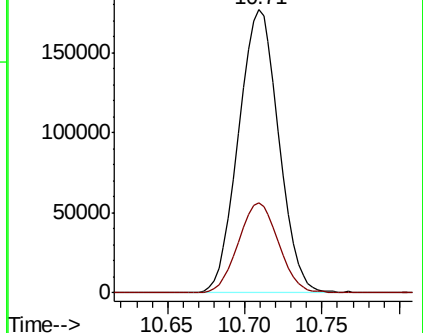
76 100

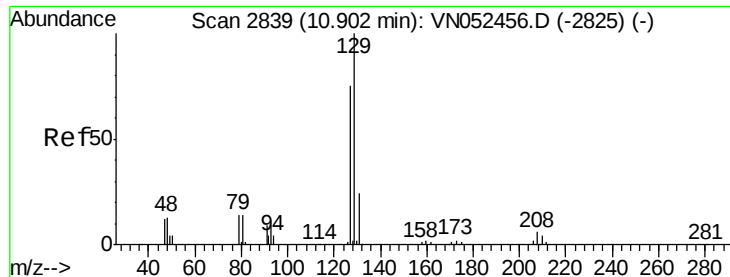
78 32.0 0.0 64.8



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#53

Dibromochloromethane

Concen: 20.619 ug/l

RT: 10.90 min Scan# 2840

Delta R.T. 0.00 min

Lab File: VN052633.D

Acq: 3 Dec 2018 16:02

Instrument :

MSVOA_N

ClientSampleId :

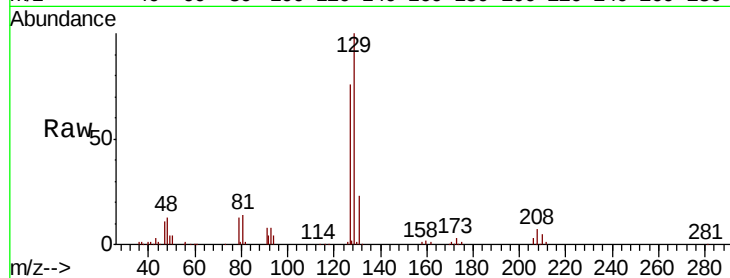
VN1203WBSD02

Tot Ion:129 Resp: 199625

Ion Ratio Lower Upper

129 100

127 77.0 37.6 112.8



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

10.90

120000

100000

80000

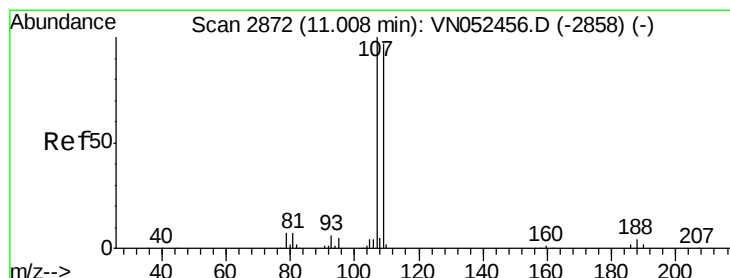
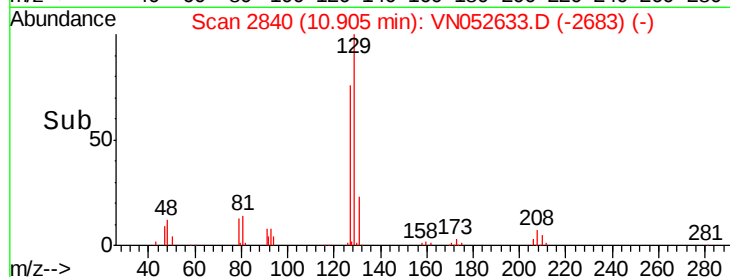
60000

40000

20000

0

Time-->



#54

1,2-Dibromoethane

Concen: 21.371 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN052633.D

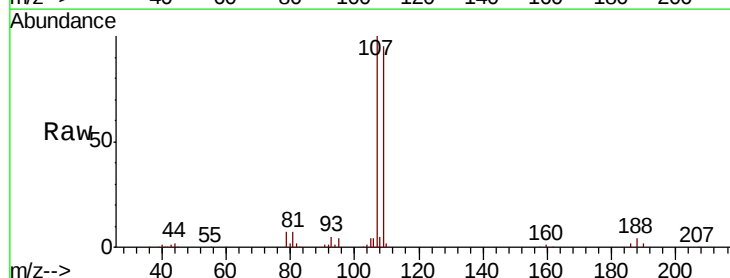
Acq: 3 Dec 2018 16:02

Tgt Ion:107 Resp: 183642

Ion Ratio Lower Upper

107 100

109 95.1 77.1 115.7



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

11.01

100000

80000

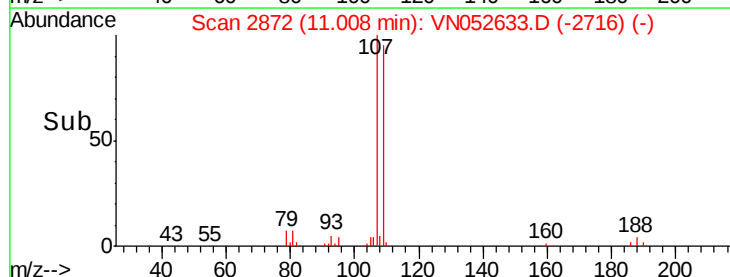
60000

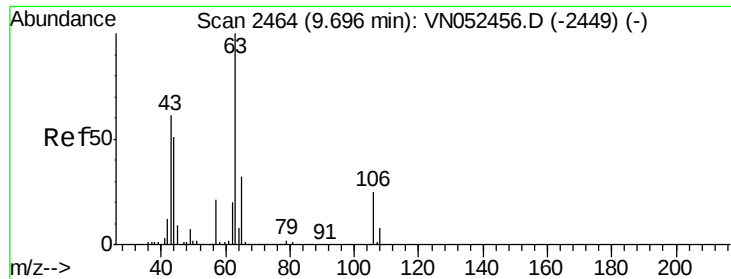
40000

20000

0

Time-->

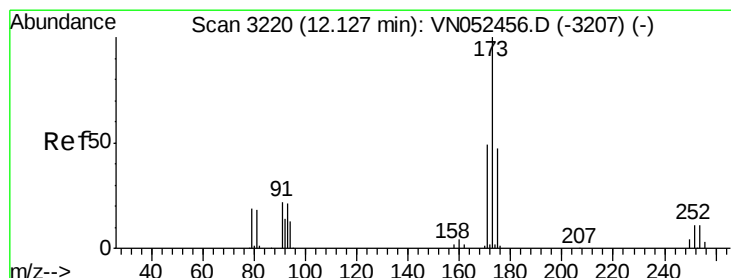
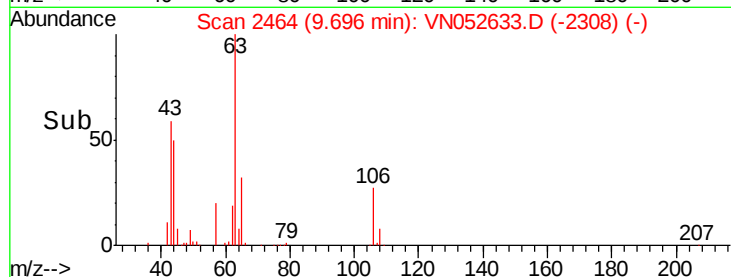
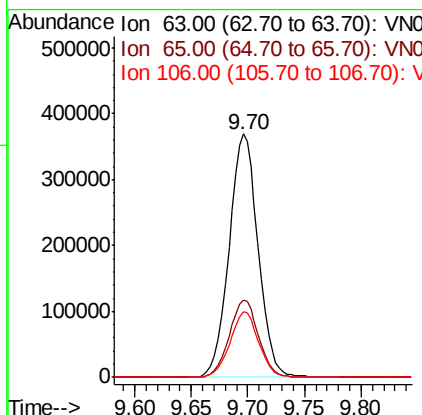
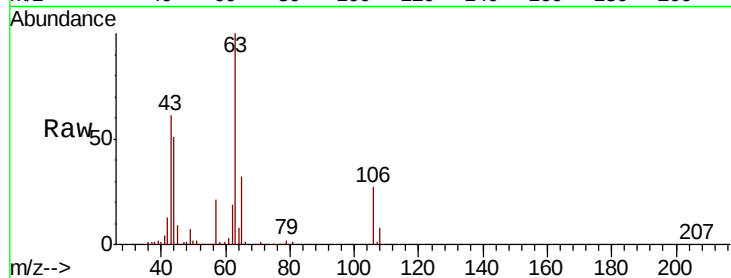




#55
 2-Chloroethyl vinyl ether
 Concen: 101.490 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN052633.D
 Acq: 3 Dec 2018 16:02

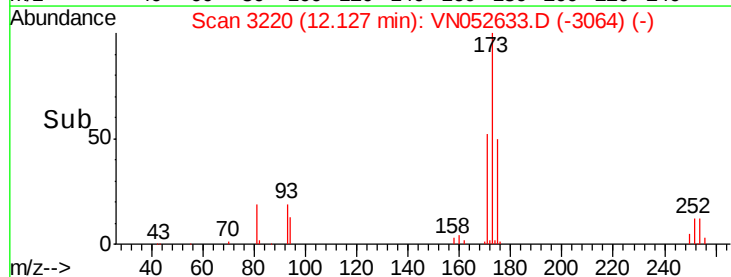
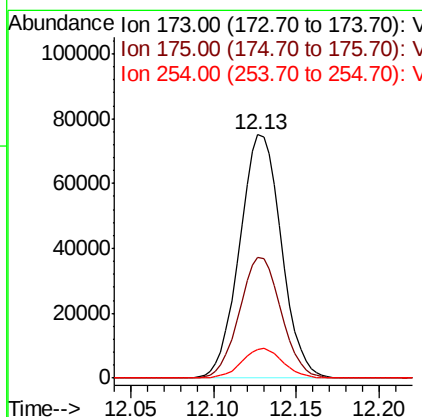
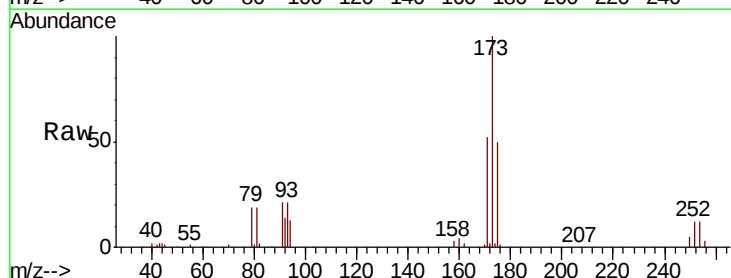
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1203WBSD02

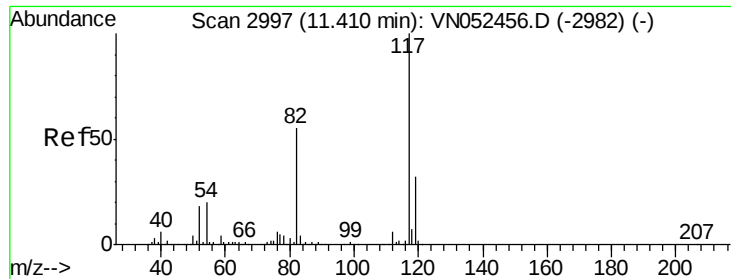
Tot Ion: 63 Resp: 656128
 Ion Ratio Lower Upper
 63 100
 65 32.1 25.4 38.2
 106 26.7 20.4 30.6



#56
 Bromoform
 Concen: 20.832 ug/l
 RT: 12.13 min Scan# 3220
 Delta R.T. 0.00 min
 Lab File: VN052633.D
 Acq: 3 Dec 2018 16:02

Tgt Ion: 173 Resp: 131831
 Ion Ratio Lower Upper
 173 100
 175 49.5 38.7 58.1
 254 11.9 8.4 12.6

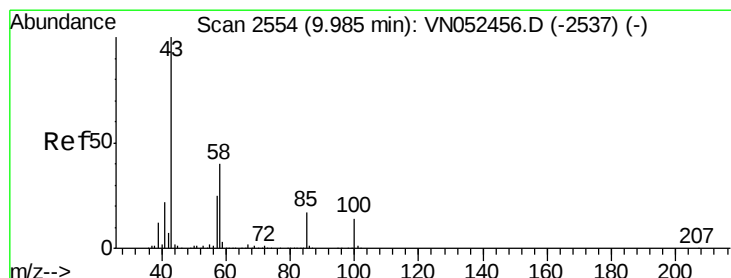
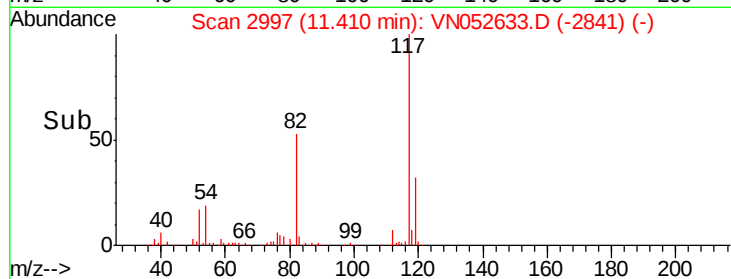
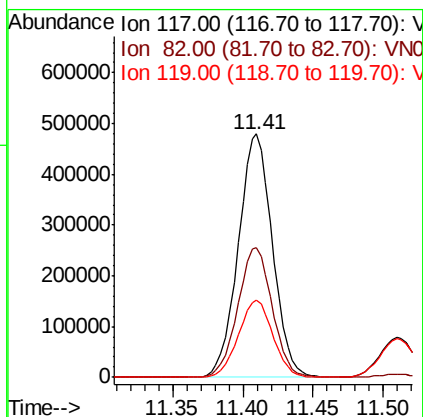
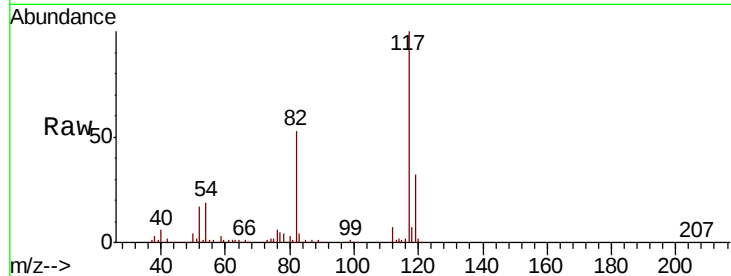




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN052633.D
Acq: 3 Dec 2018 16:02

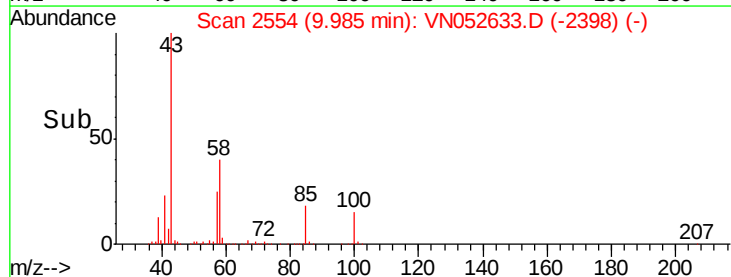
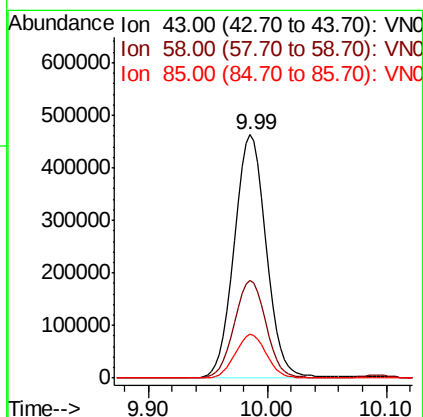
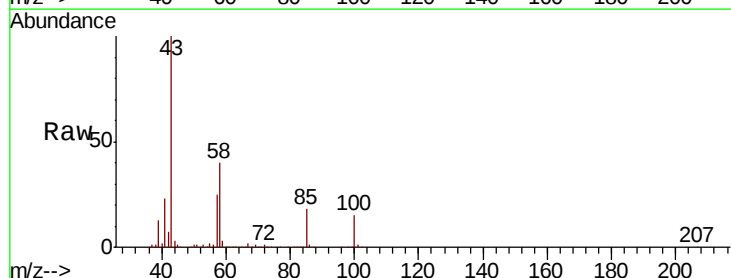
Instrument :
MSVOA_N
ClientSampleId :
VN1203WBSD02

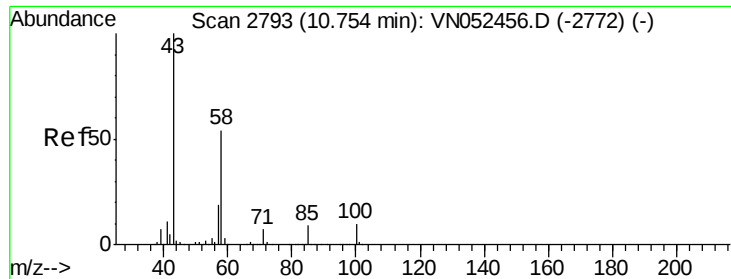
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.7	44.2	66.2
119	32.1	25.4	38.2



#58
4-Methyl-2-Pentanone
Concen: 109.053 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN052633.D
Acq: 3 Dec 2018 16:02

Tgt Ion	Ratio	Lower	Upper
43	100		
58	40.1	31.6	47.4
85	17.7	13.3	19.9

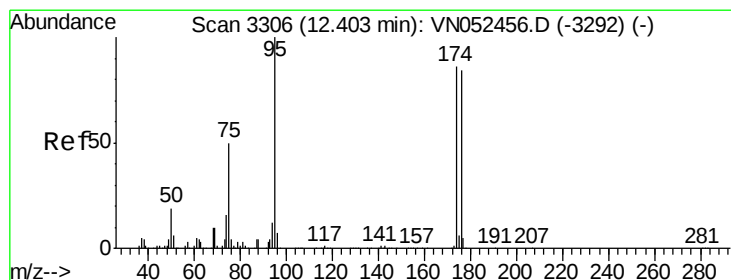
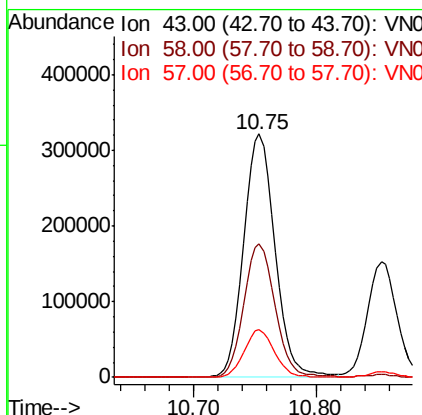
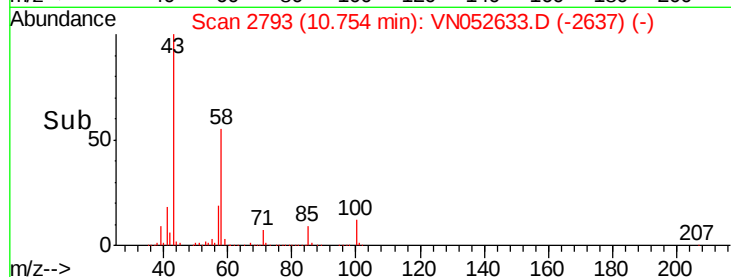
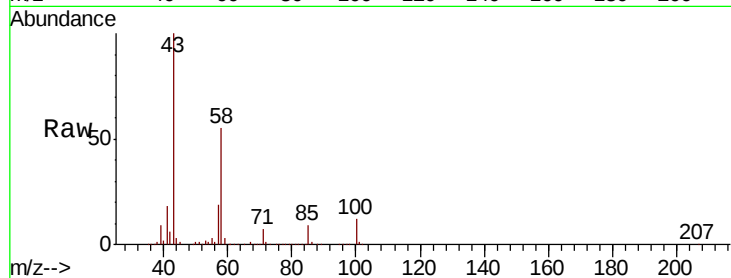




#59
2-Hexanone
Concen: 104.907 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN052633.D
Acq: 3 Dec 2018 16:02

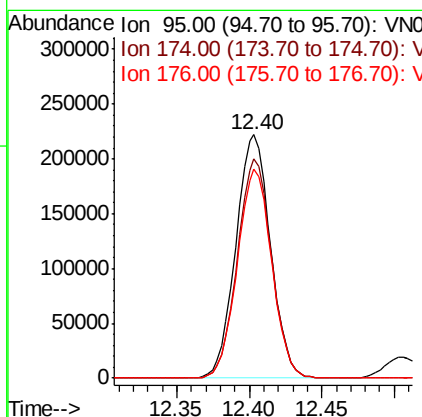
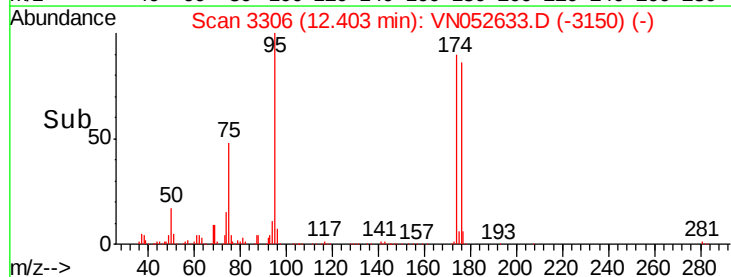
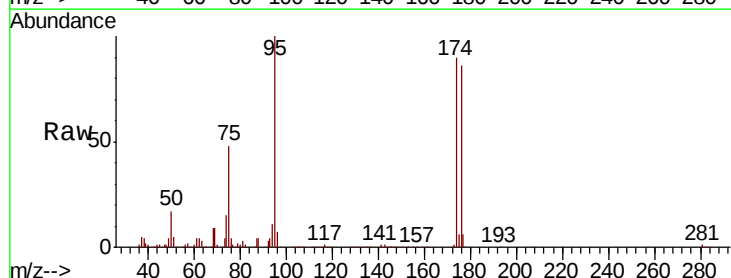
Instrument :
MSVOA_N
ClientSampleId :
VN1203WBSD02

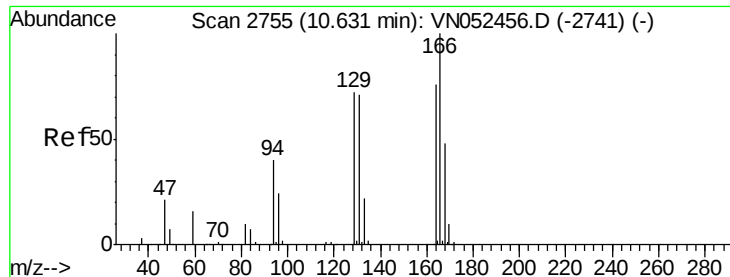
Tot Ion: 43 Resp: 565472
Ion Ratio Lower Upper
43 100
58 55.0 43.2 64.8
57 19.2 14.9 22.3



#60
4-Bromofluorobenzene
Concen: 104.907 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN052633.D
Acq: 3 Dec 2018 16:02

Tgt Ion: 95 Resp: 368094
Ion Ratio Lower Upper
95 100
174 89.0 67.9 101.9
176 85.5 66.4 99.6





#61

Tetrachloroethene

Concen: 21.053 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN052633.D

Acq: 3 Dec 2018 16:02

Instrument :

MSVOA_N

ClientSampleId :

VN1203WBSD02

Tot Ion:164 Resp: 211046

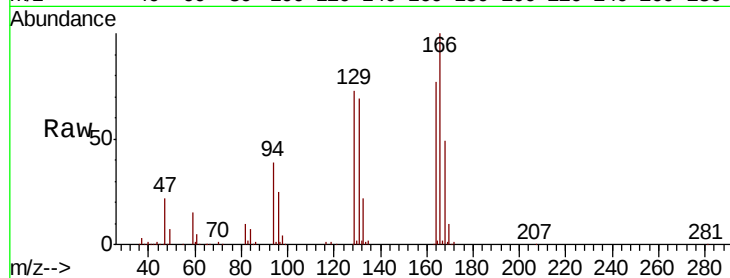
Ion Ratio Lower Upper

164 100

166 130.1 104.6 157.0

129 95.2 75.3 112.9

131 89.9 74.3 111.5

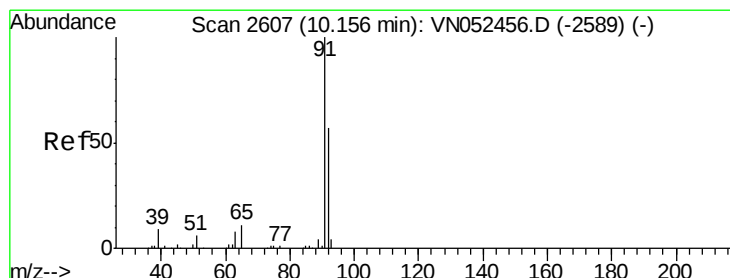
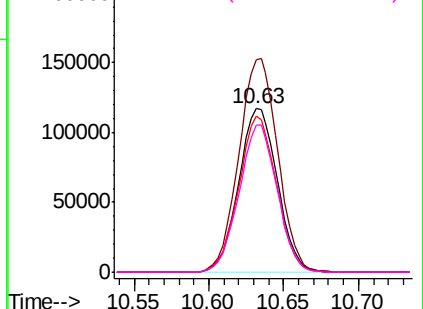
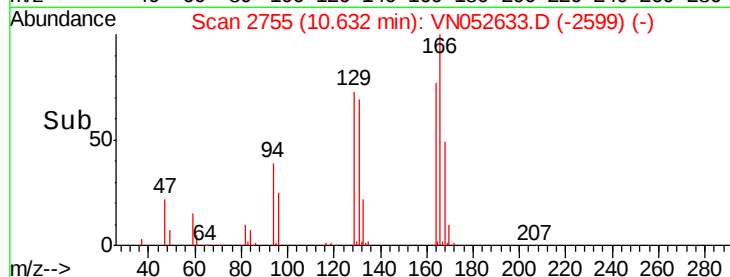


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 20.353 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN052633.D

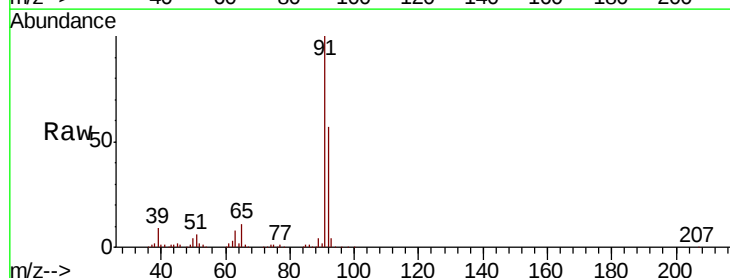
Acq: 3 Dec 2018 16:02

Tgt Ion: 91 Resp: 913194

Ion Ratio Lower Upper

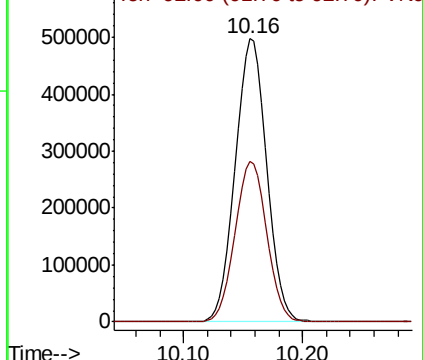
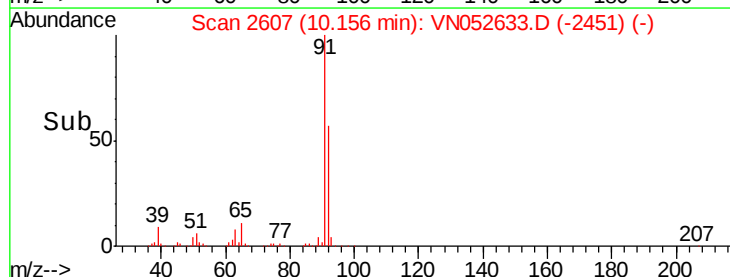
91 100

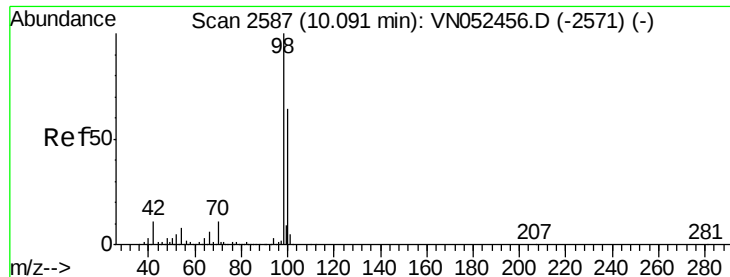
92 57.2 45.4 68.2



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





#63

Toluene-d8

Concen: 20.353 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052633.D

Acq: 3 Dec 2018 16:02

Instrument :

MSVOA_N

ClientSampleId :

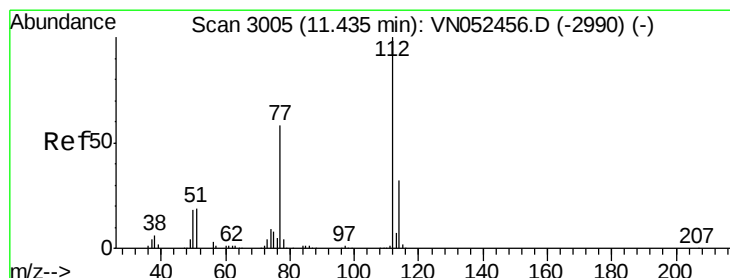
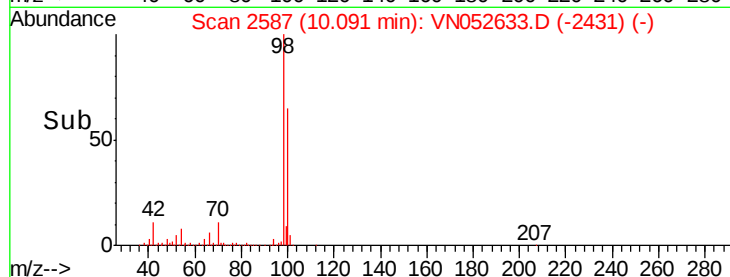
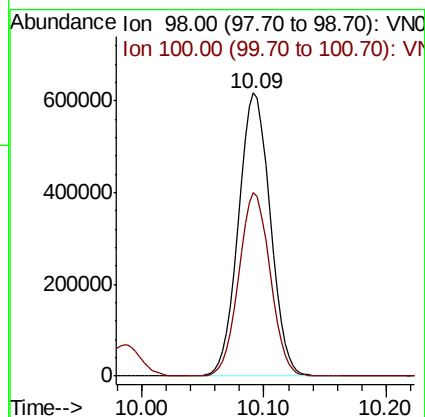
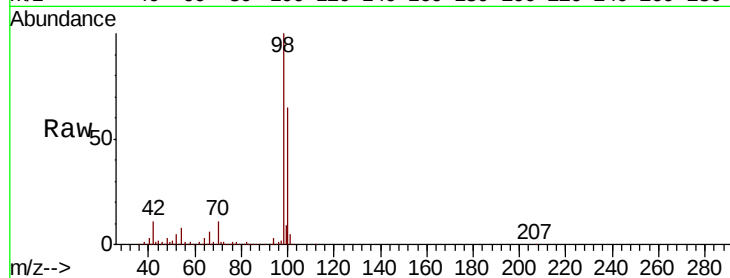
VN1203WBSD02

Tot Ion: 98 Resp: 1113109

Ion Ratio Lower Upper

98 100

100 63.6 51.1 76.7



#64

Chlorobenzene

Concen: 20.419 ug/l

RT: 11.44 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VN052633.D

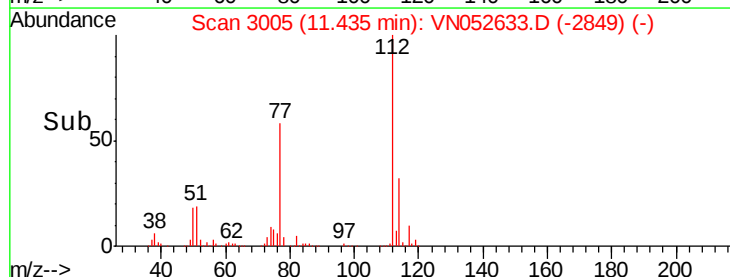
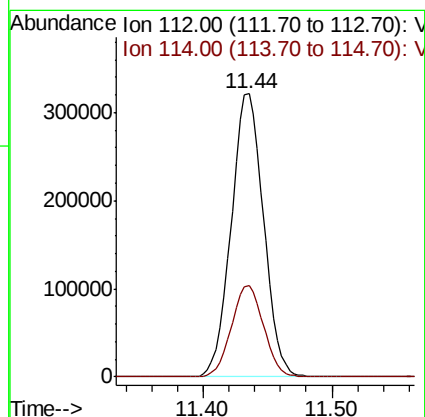
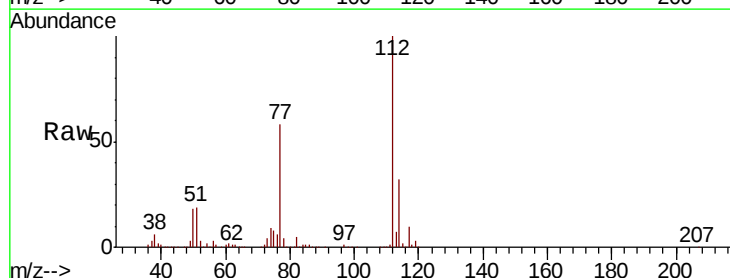
Acq: 3 Dec 2018 16:02

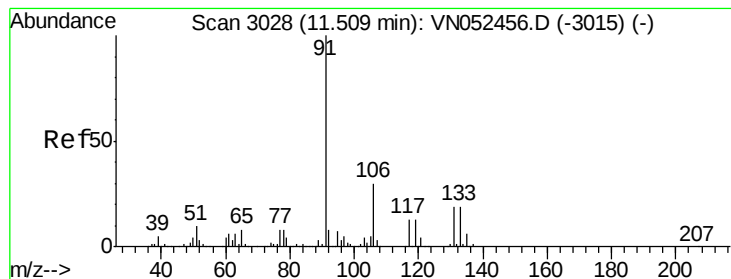
Tgt Ion: 112 Resp: 559217

Ion Ratio Lower Upper

112 100

114 32.1 25.6 38.4





#65

1,1,1,2-Tetrachloroethane

Concen: 20.861 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN052633.D

Acq: 3 Dec 2018 16:02

Instrument :

MSVOA_N

ClientSampleId :

VN1203WBSD02

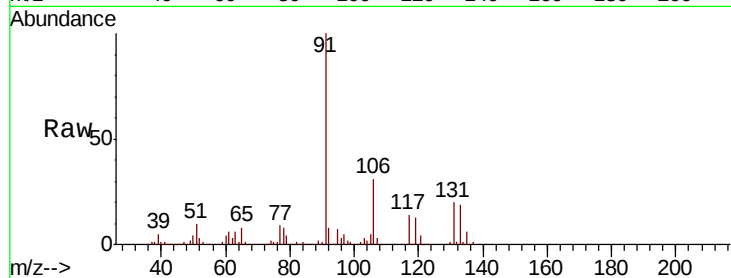
Tot Ion:131 Resp: 198306

Ion Ratio Lower Upper

131 100

133 95.5 0.0 193.4

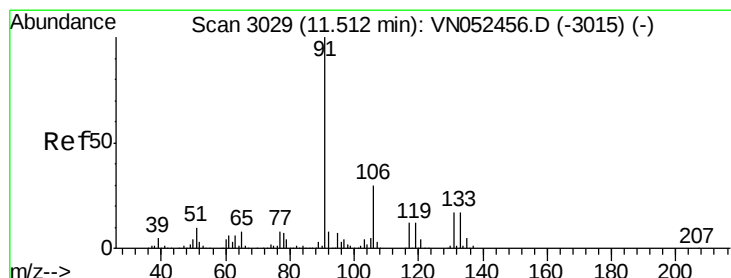
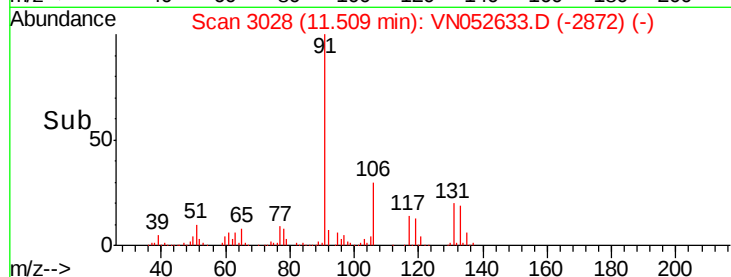
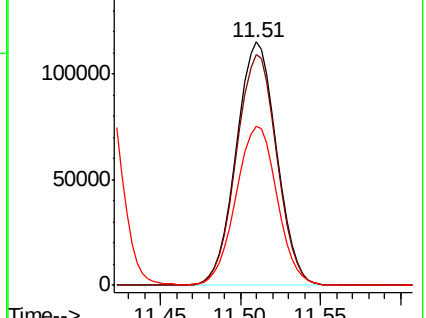
119 66.8 0.0 133.0



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 20.129 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN052633.D

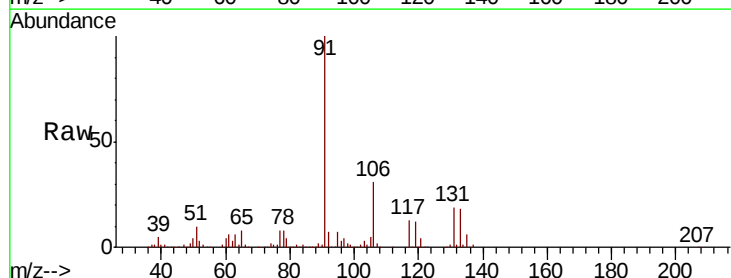
Acq: 3 Dec 2018 16:02

Tgt Ion: 91 Resp: 973394

Ion Ratio Lower Upper

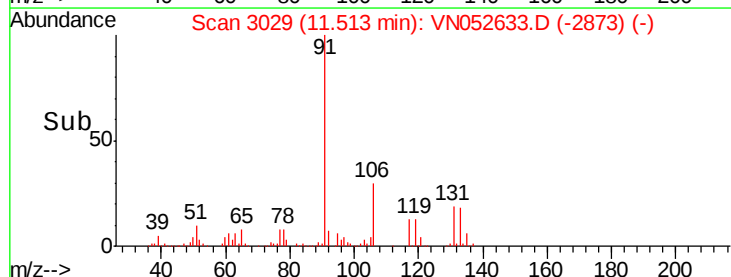
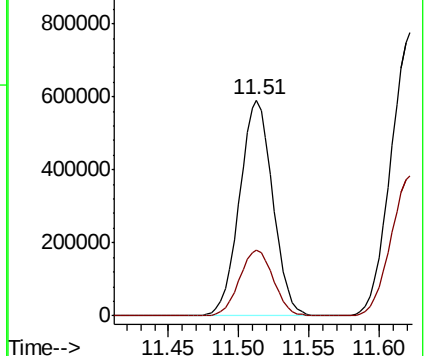
91 100

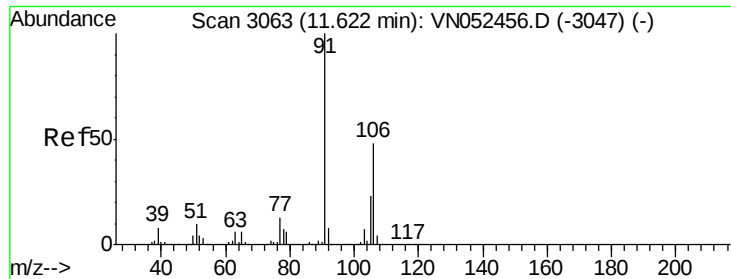
106 30.7 24.3 36.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V

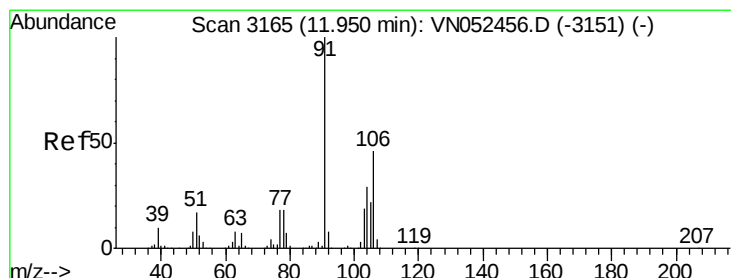
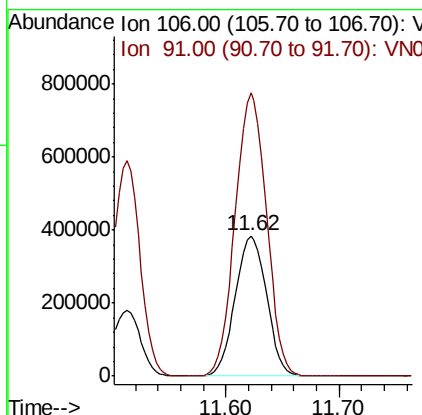
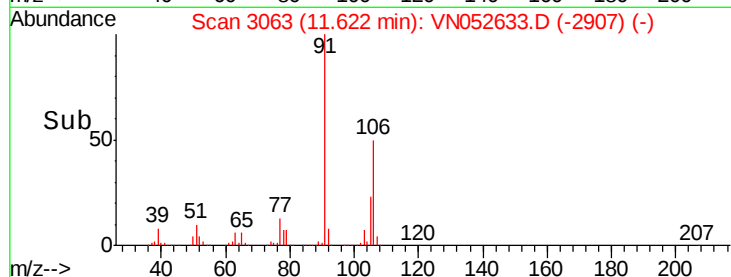
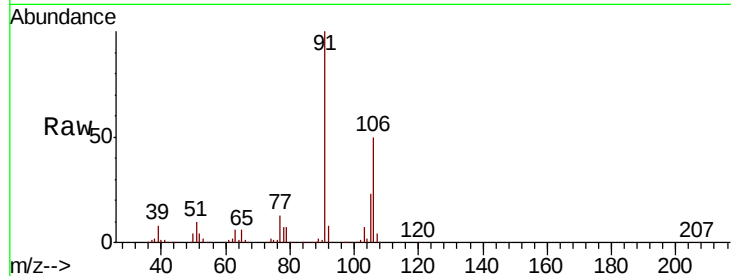




#67
m/p-Xylenes
Concen: 41.251 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN052633.D
Acq: 3 Dec 2018 16:02

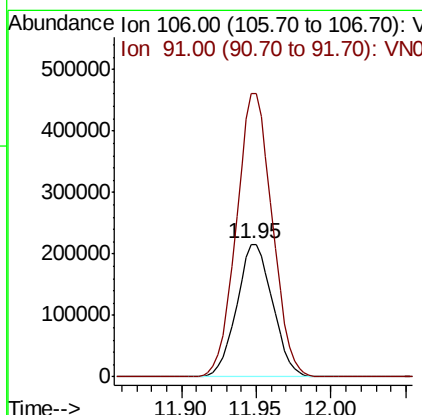
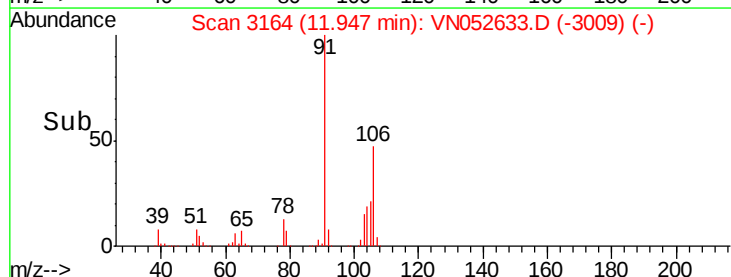
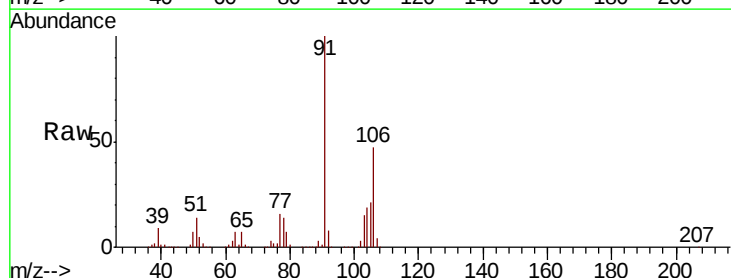
Instrument :
MSVOA_N
ClientSampled :
VN1203WBSD02

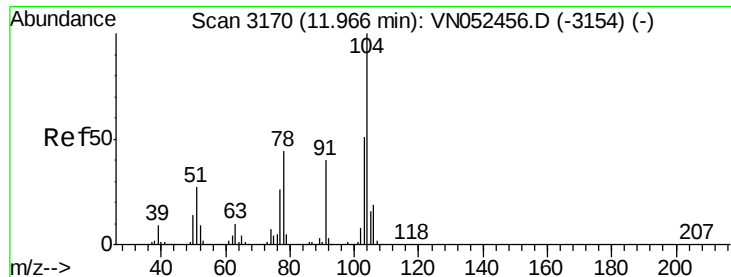
Tot Ion:106 Resp: 743184
Ion Ratio Lower Upper
106 100
91 201.6 163.9 245.9



#68
o-Xylene
Concen: 20.615 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN052633.D
Acq: 3 Dec 2018 16:02

Tgt Ion:106 Resp: 360486
Ion Ratio Lower Upper
106 100
91 213.4 107.8 323.4

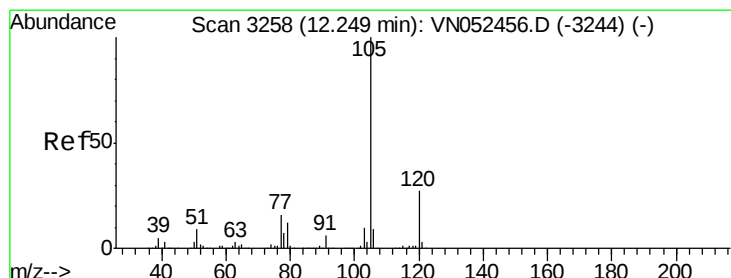
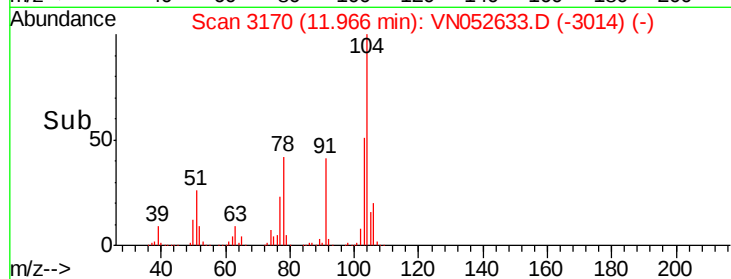
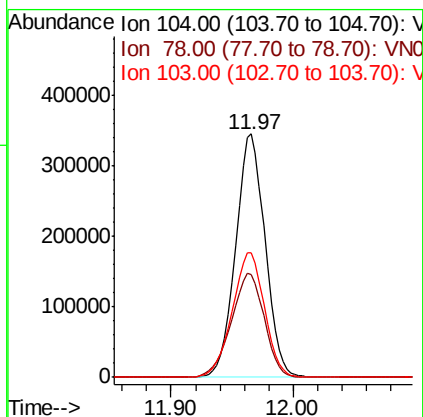
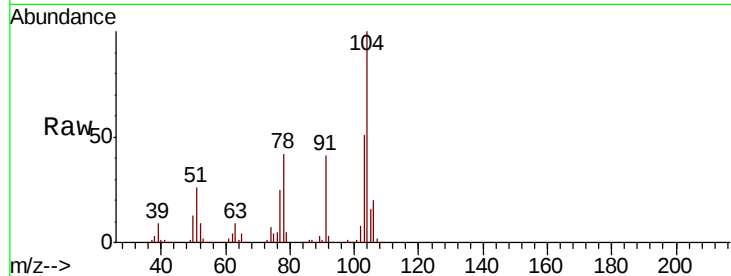




#69
Stvrene
Concen: 20.378 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN052633.D
Acq: 3 Dec 2018 16:02

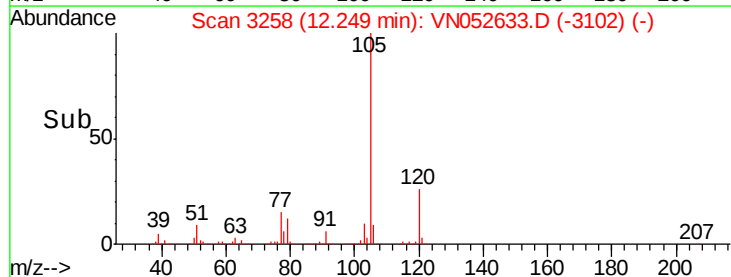
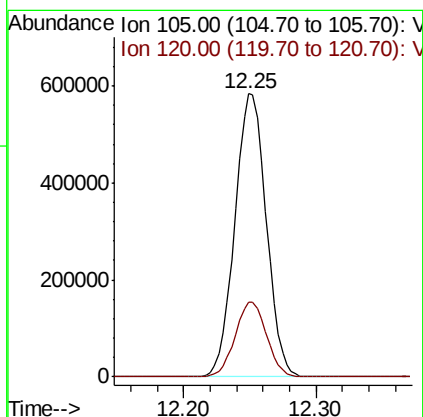
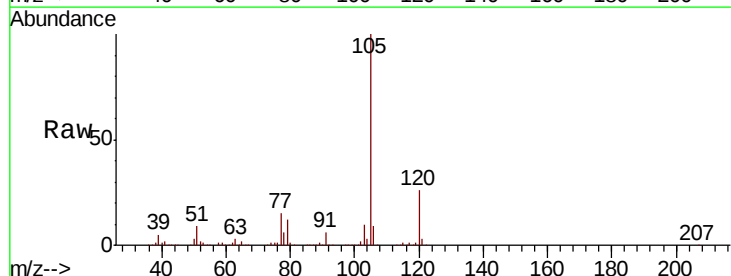
Instrument :
MSVOA_N
ClientSampled :
VN1203WBSD02

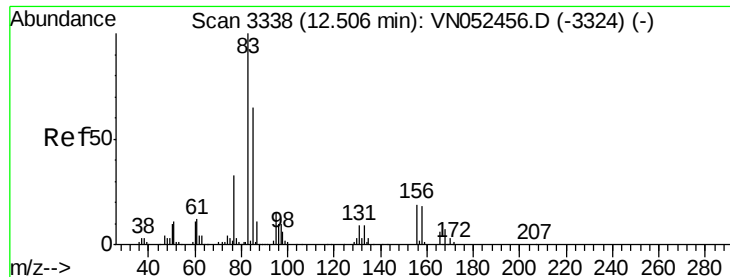
Tot Ion	Ratio	Lower	Upper
104	100		
78	48.1	39.3	58.9
103	56.2	44.6	66.8



#70
Isopropylbenzene
Concen: 20.591 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN052633.D
Acq: 3 Dec 2018 16:02

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.4	18.6	34.6

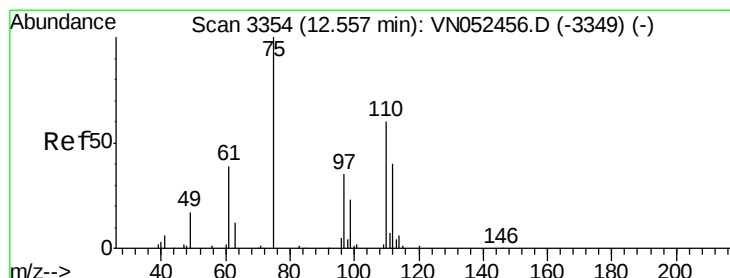
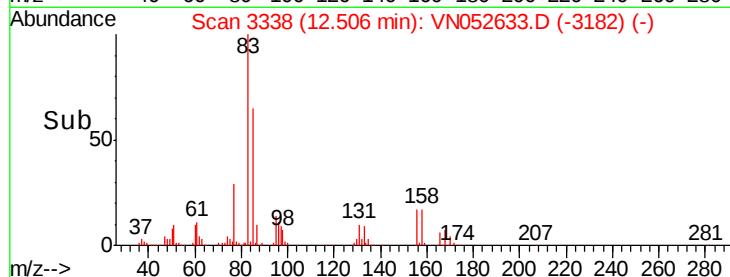
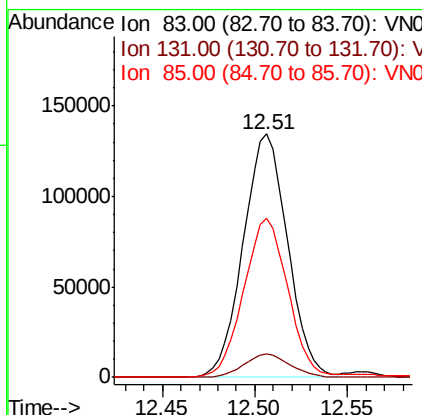
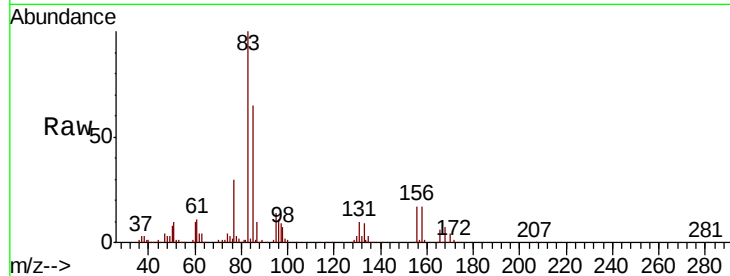




#71
 1,1,2,2-Tetrachloroethane
 Concen: 22.077 ug/l
 RT: 12.51 min Scan# 3338
 Delta R.T. 0.00 min
 Lab File: VN052633.D
 Acq: 3 Dec 2018 16:02

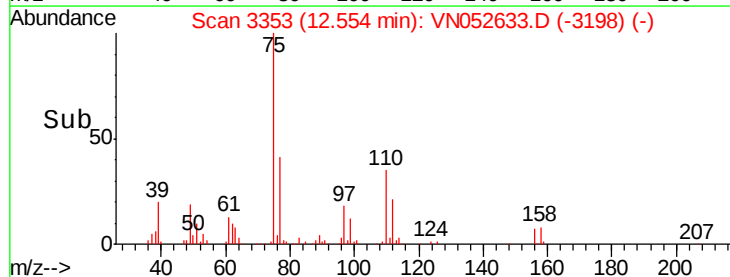
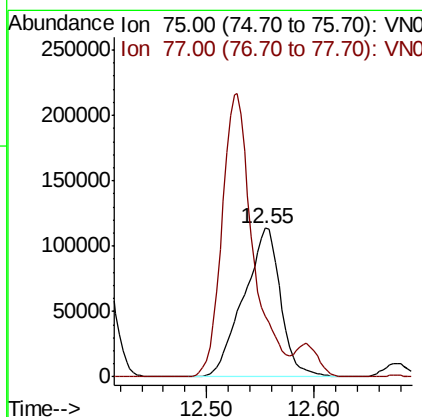
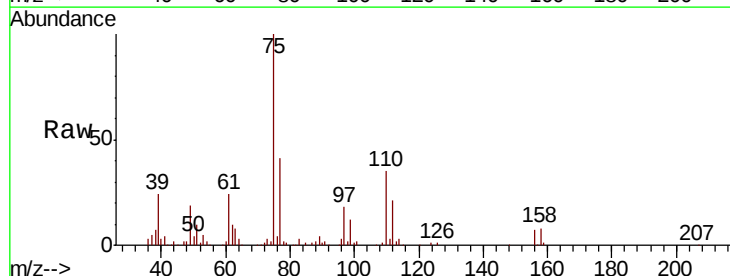
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1203WBSD02

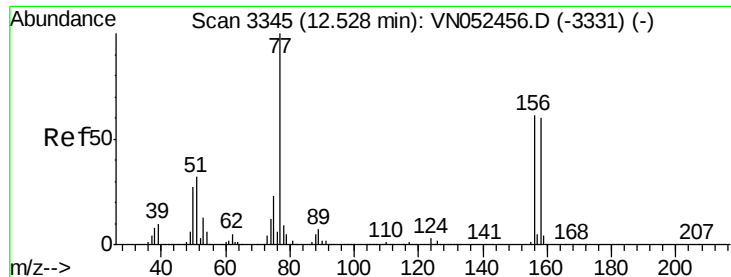
Tot Ion	83	Resp	223435
Ion Ratio	Lower	Upper	
83	100		
131	9.9	4.9	14.6
85	64.8	32.2	96.6



#72
 1,2,3-Trichloropropane
 Concen: 31.273 ug/l
 RT: 12.55 min Scan# 3353
 Delta R.T. -0.00 min
 Lab File: VN052633.D
 Acq: 3 Dec 2018 16:02

Tgt Ion	75	Resp	271702
Ion Ratio	Lower	Upper	
75	100		
77	159.3	0.0	514.8





#73

Bromobenzene

Concen: 20.872 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN052633.D

Acq: 3 Dec 2018 16:02

Instrument :

MSVOA_N

ClientSampleId :

VN1203WBSD02

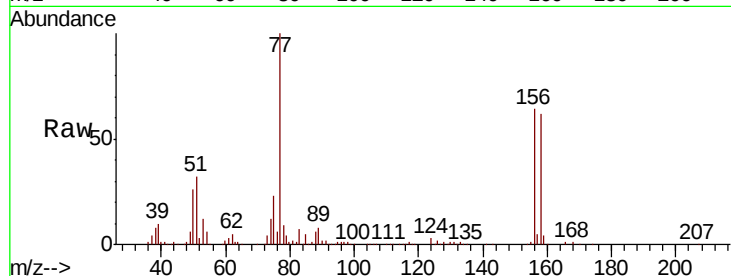
Tot Ion:156 Resp: 234864

Ion Ratio Lower Upper

156 100

77 184.3 0.0 382.6

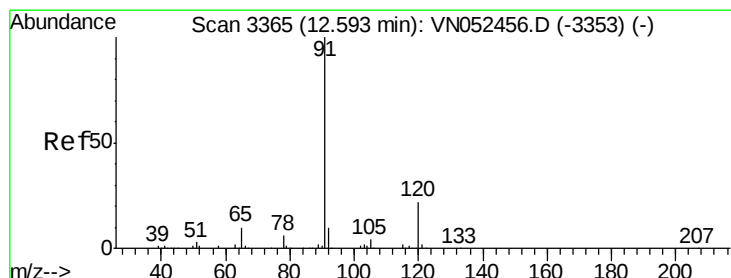
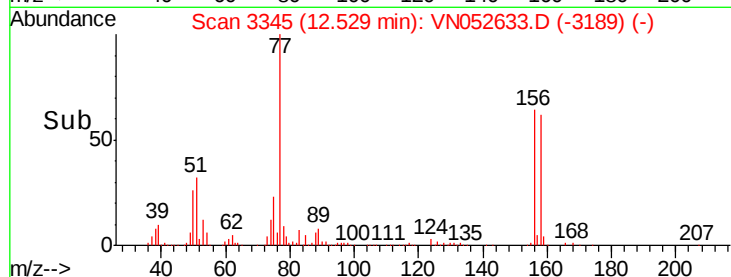
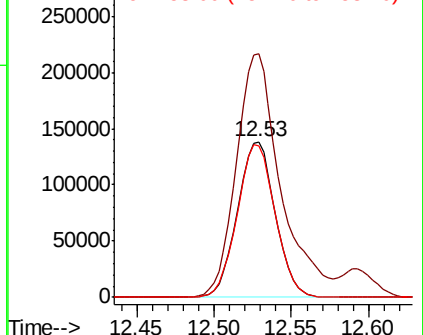
158 98.6 0.0 196.8



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 19.913 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN052633.D

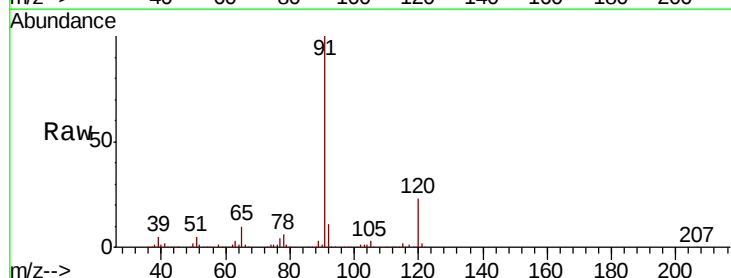
Acq: 3 Dec 2018 16:02

Tgt Ion: 91 Resp: 1079486

Ion Ratio Lower Upper

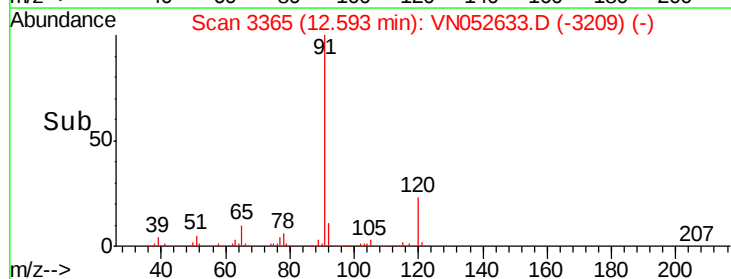
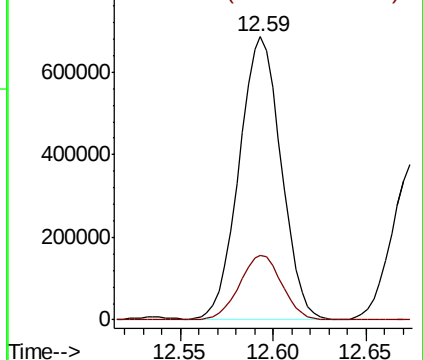
91 100

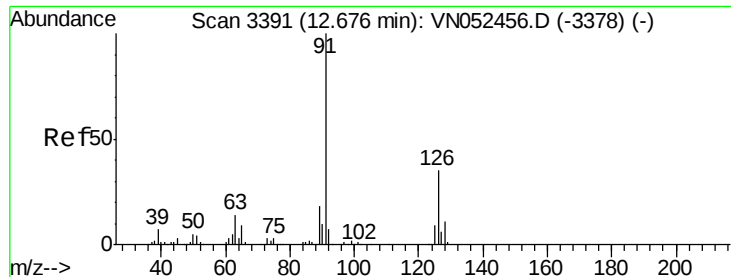
120 23.0 0.0 44.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 20.263 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN052633.D

Acq: 3 Dec 2018 16:02

Instrument :

MSVOA_N

ClientSampleId :

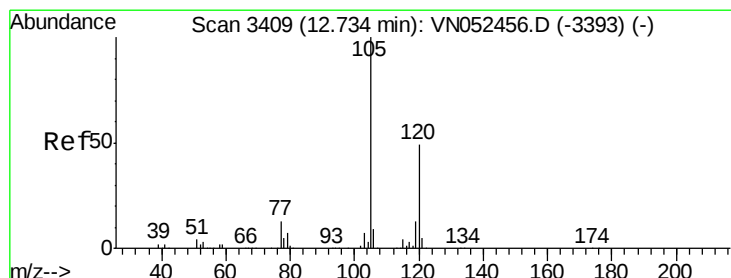
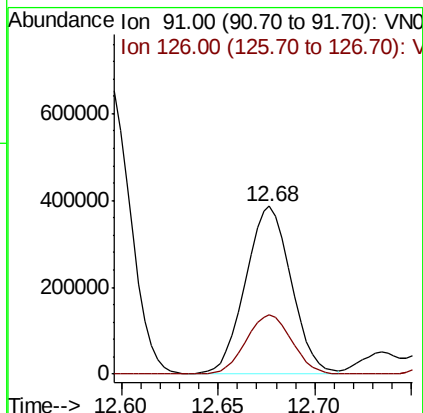
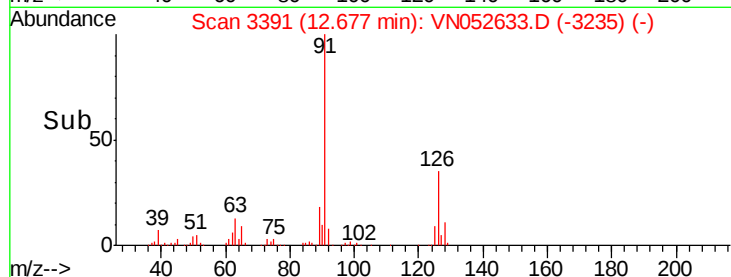
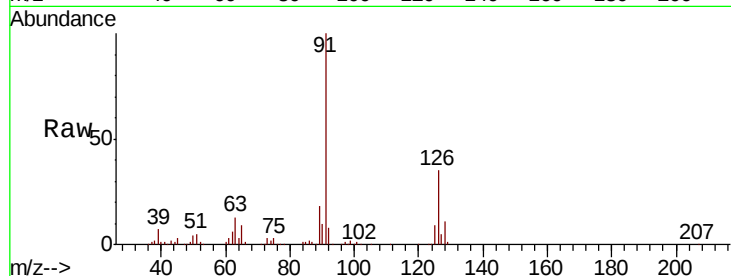
VN1203WBSD02

Tot Ion: 91 Resp: 637594

Ion Ratio Lower Upper

91 100

126 35.4 0.0 68.4



#76

1,3,5-Trimethylbenzene

Concen: 20.585 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN052633.D

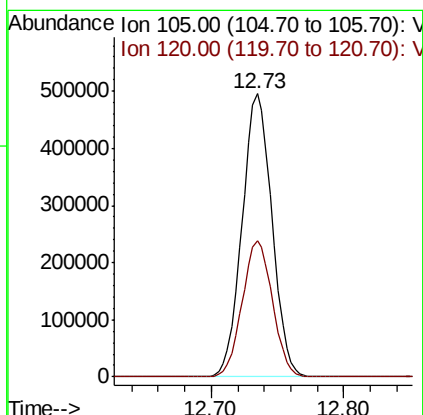
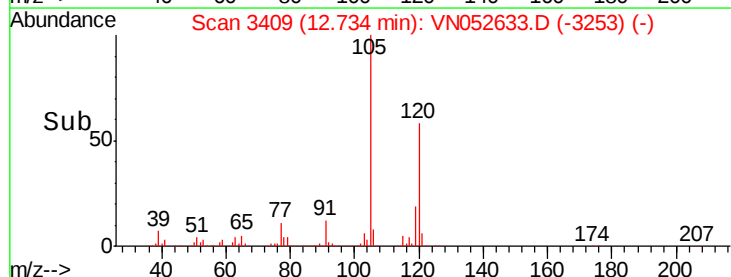
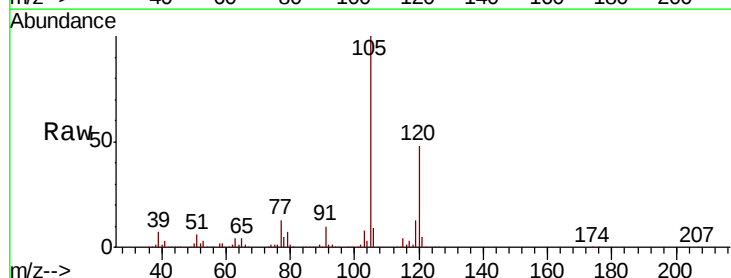
Acq: 3 Dec 2018 16:02

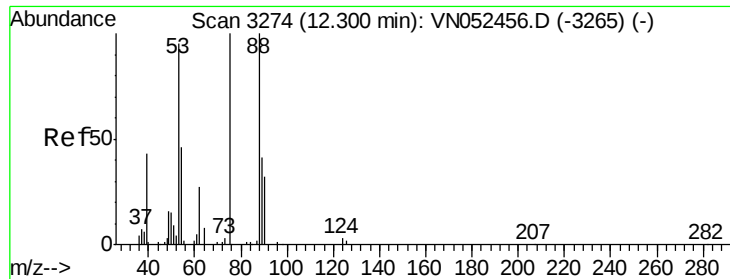
Tgt Ion: 105 Resp: 773574

Ion Ratio Lower Upper

105 100

120 48.7 0.0 97.4





#77

t-1,4-Dichloro-2-butene

Concen: 20.577 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN052633.D

Acq: 3 Dec 2018 16:02

Instrument :

MSVOA_N

ClientSampleId :

VN1203WBSD02

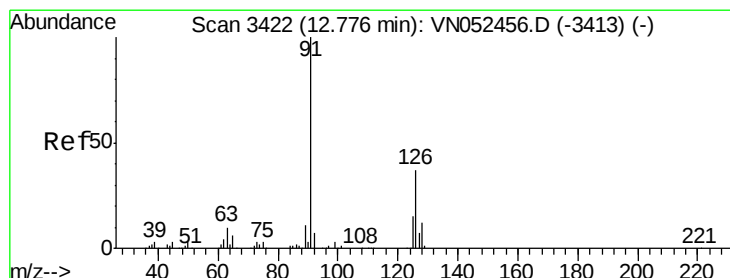
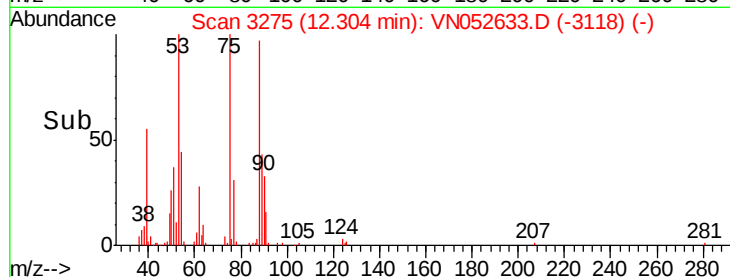
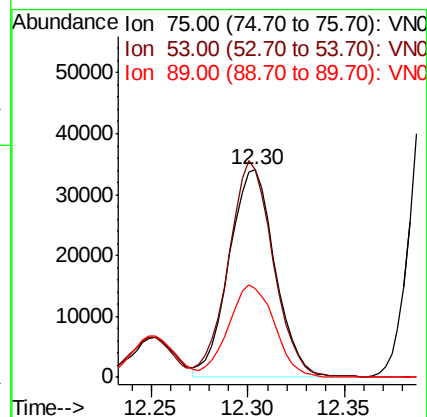
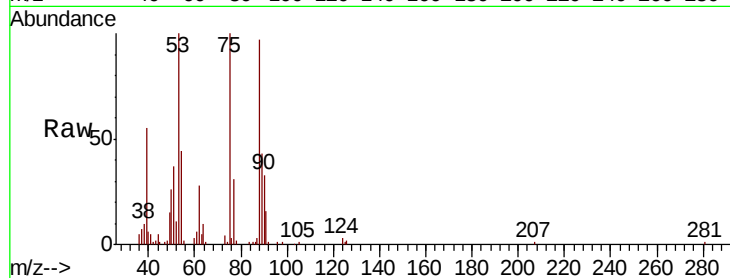
Tot Ion: 75 Resp: 56475

Ion Ratio Lower Upper

75 100

53 100.4 48.5 145.6

89 43.1 21.7 65.1



#78

4-Chlorotoluene

Concen: 20.064 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN052633.D

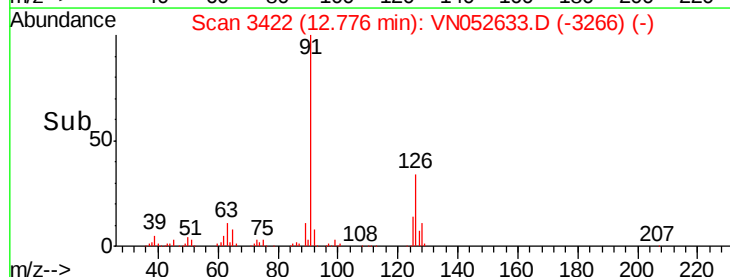
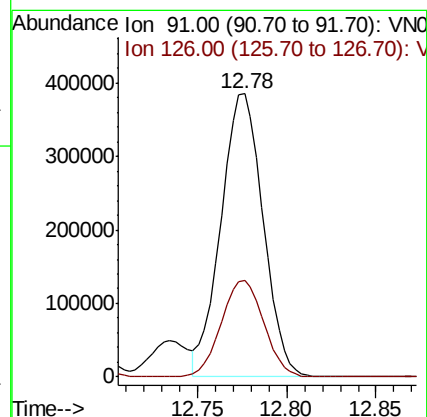
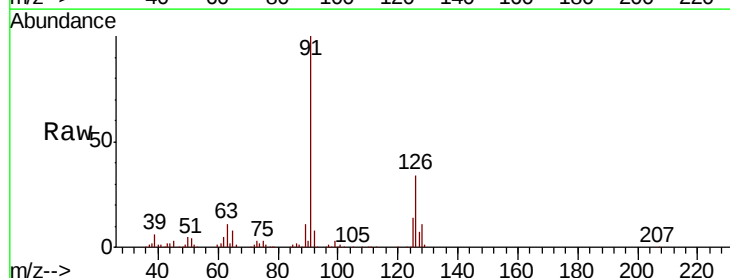
Acq: 3 Dec 2018 16:02

Tgt Ion: 91 Resp: 630455

Ion Ratio Lower Upper

91 100

126 34.5 0.0 68.2

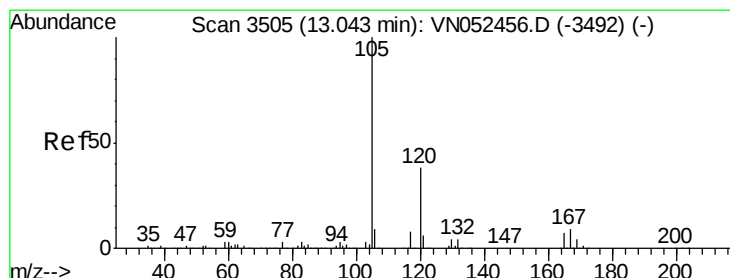
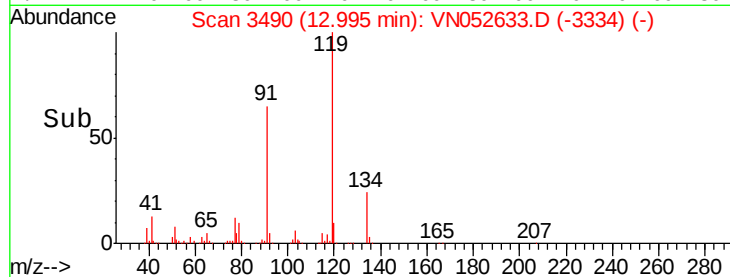
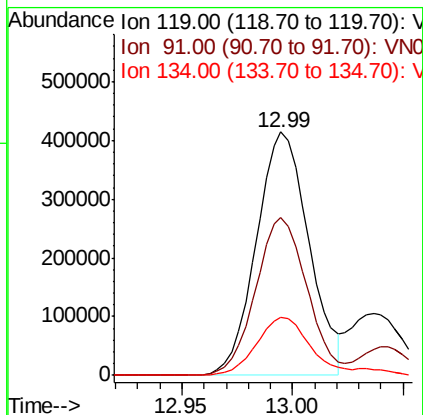
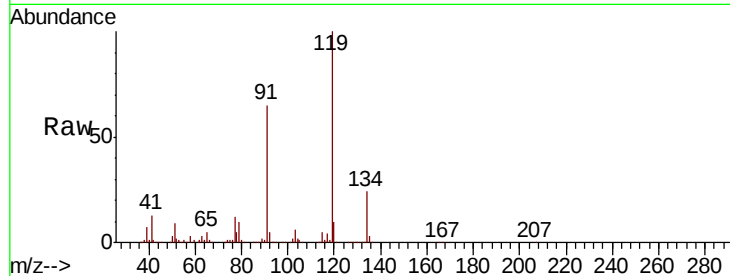




#79
tert-butylbenzene
Concen: 20.953 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN052633.D
Acq: 3 Dec 2018 16:02

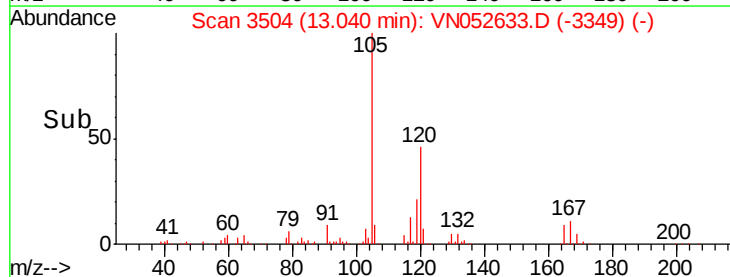
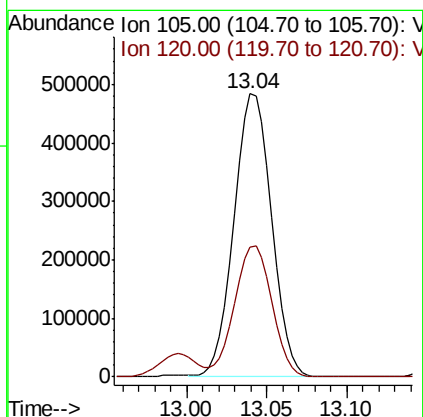
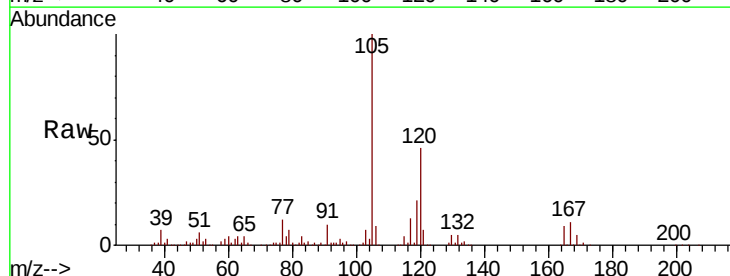
Instrument :
MSVOA_N
ClientSampleId :
VN1203WBSD02

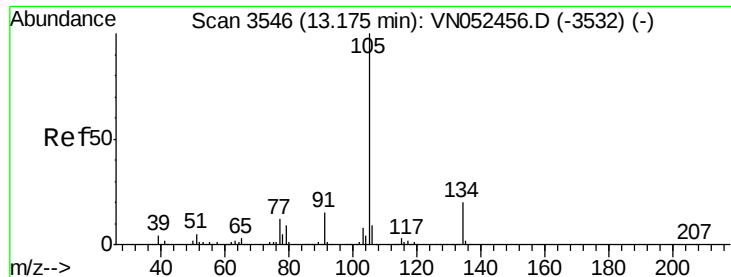
Tot Ion:119 Resp: 685718
Ion Ratio Lower Upper
119 100
91 63.3 0.0 129.8
134 24.0 0.0 52.2



#80
1,2,4-Trimethylbenzene
Concen: 20.585 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN052633.D
Acq: 3 Dec 2018 16:02

Tgt Ion:105 Resp: 774061
Ion Ratio Lower Upper
105 100
120 46.0 0.0 91.0

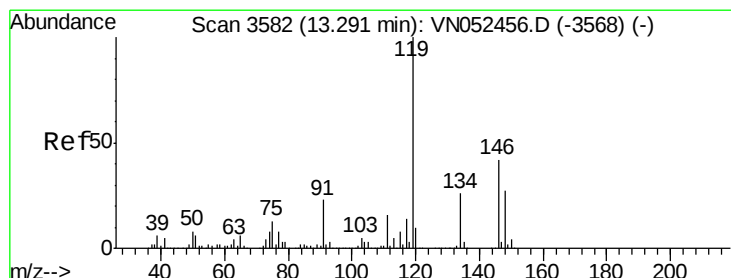
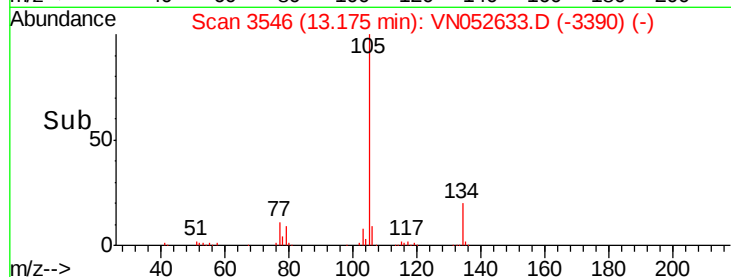
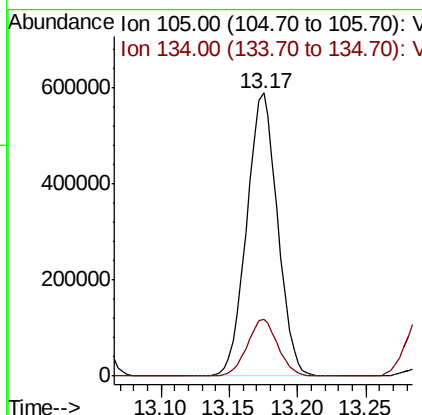
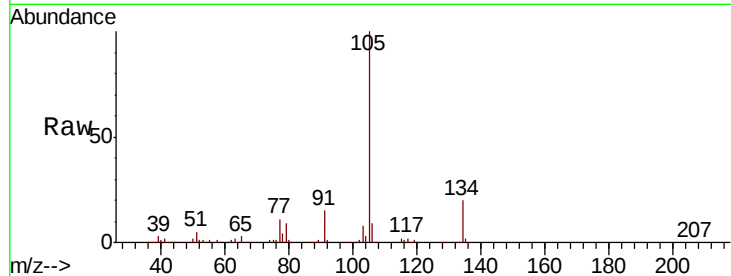




#81
 sec-Butylbenzene
 Concen: 20.267 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. 0.00 min
 Lab File: VN052633.D
 Acq: 3 Dec 2018 16:02

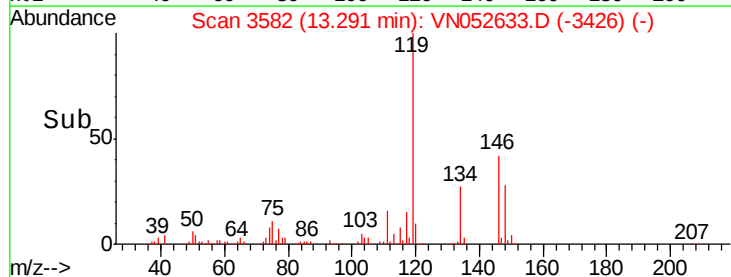
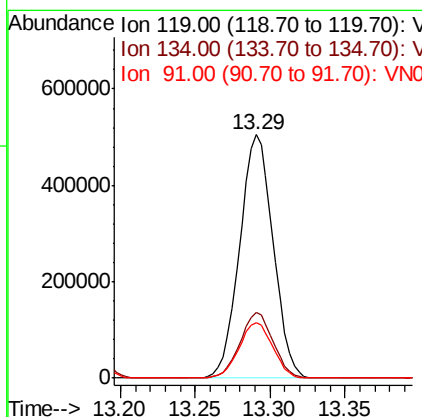
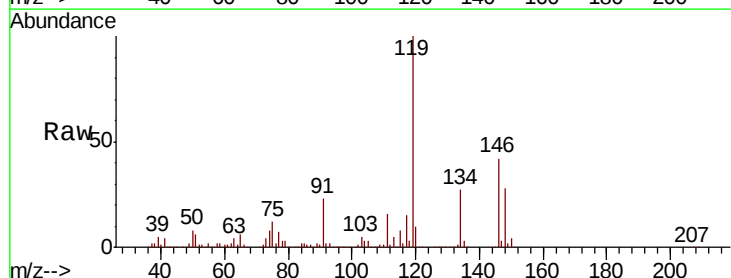
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1203WBSD02

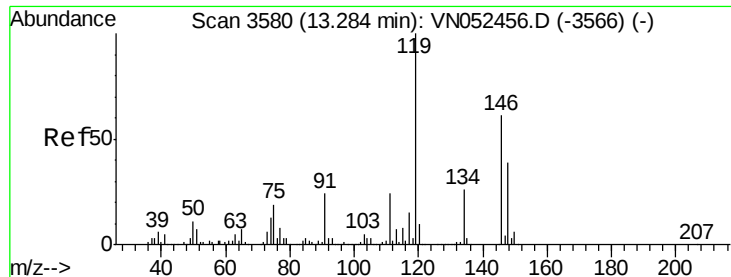
Tot Ion:105 Resp: 923861
 Ion Ratio Lower Upper
 105 100
 134 19.9 0.0 40.4



#82
 p-Isopropyltoluene
 Concen: 20.227 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN052633.D
 Acq: 3 Dec 2018 16:02

Tgt Ion:119 Resp: 785139
 Ion Ratio Lower Upper
 119 100
 134 26.6 0.0 52.6
 91 22.8 0.0 46.2





#83

1,3-Dichlorobenzene

Concen: 20.429 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN052633.D

Acq: 3 Dec 2018 16:02

Instrument :

MSVOA_N

ClientSampleId :

VN1203WBSD02

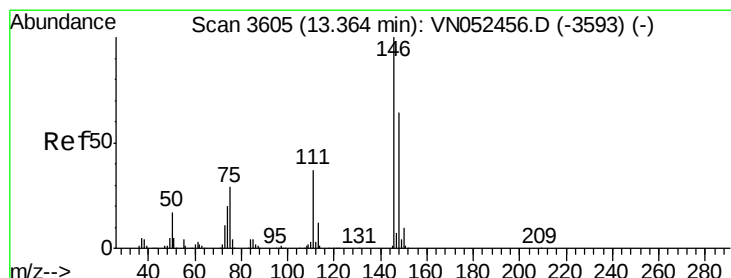
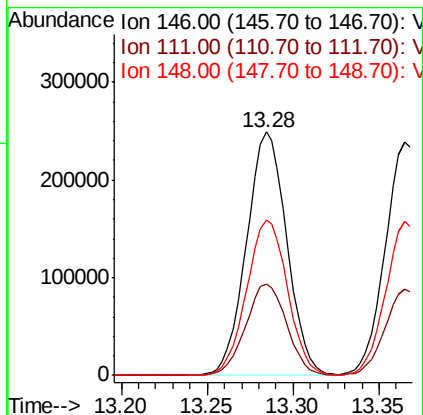
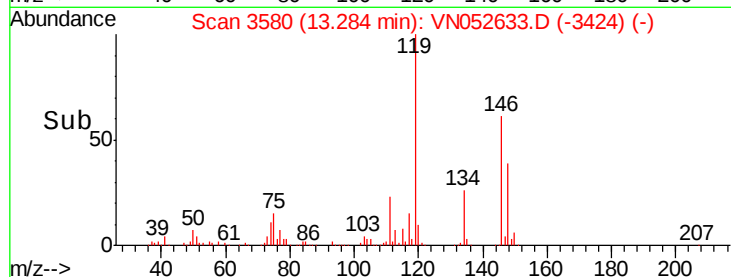
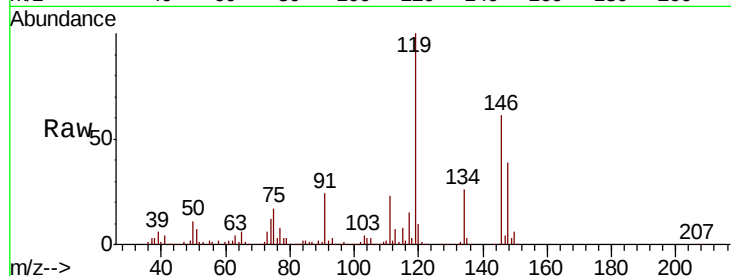
Tot Ion:146 Resp: 404311

Ion Ratio Lower Upper

146 100

111 38.1 19.7 59.0

148 65.0 32.3 96.8



#84

1,4-Dichlorobenzene

Concen: 20.349 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN052633.D

Acq: 3 Dec 2018 16:02

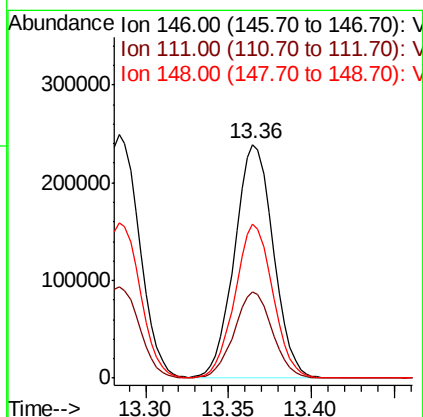
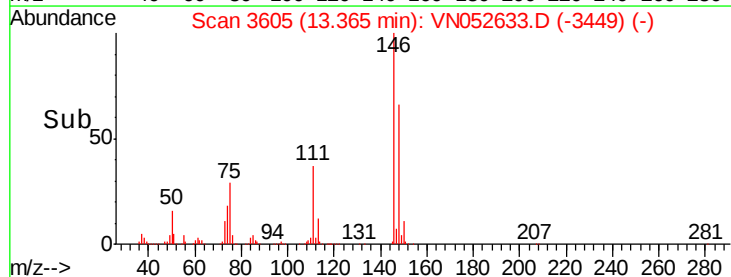
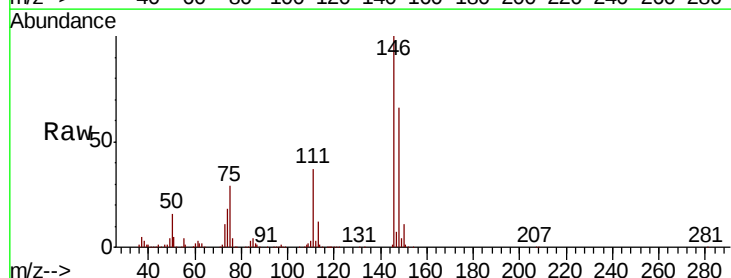
Tgt Ion:146 Resp: 389093

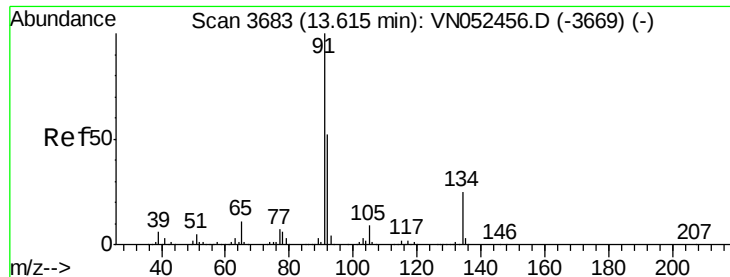
Ion Ratio Lower Upper

146 100

111 36.4 18.8 56.3

148 64.5 32.5 97.4





#85

n-Butylbenzene

Concen: 19.071 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN052633.D

Acq: 3 Dec 2018 16:02

Instrument :

MSVOA_N

ClientSampleId :

VN1203WBSD02

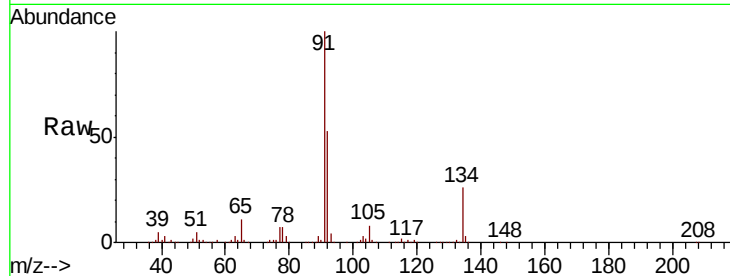
Tot Ion: 91 Resp: 635866

Ion Ratio Lower Upper

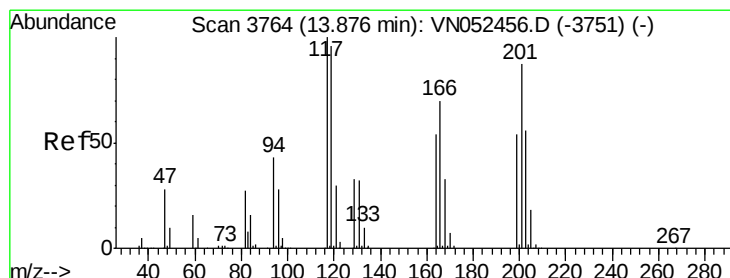
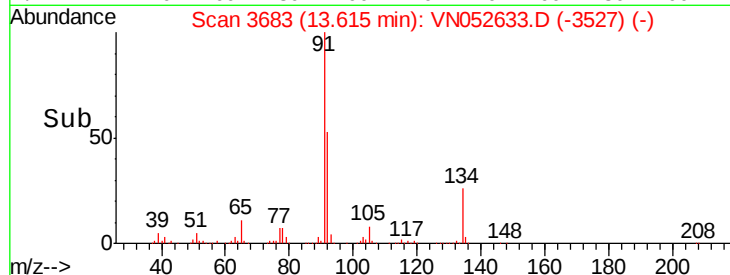
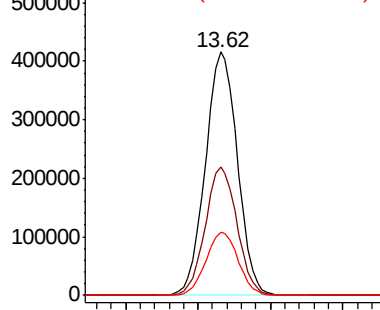
91 100

92 52.3 0.0 104.2

134 26.1 0.0 50.6



Abundance Ion 91.00 (90.70 to 91.70): VN052456.D (-3669) (-)



#86

Hexachloroethane

Concen: 19.710 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN052633.D

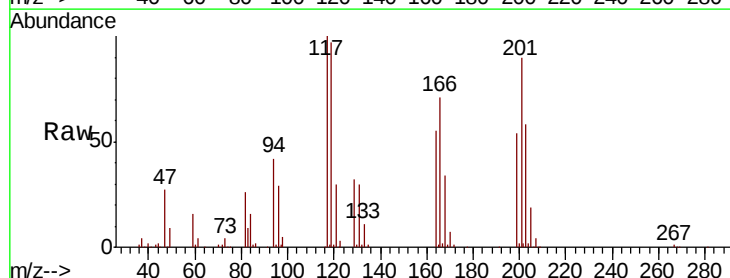
Acq: 3 Dec 2018 16:02

Tgt Ion: 117 Resp: 129629

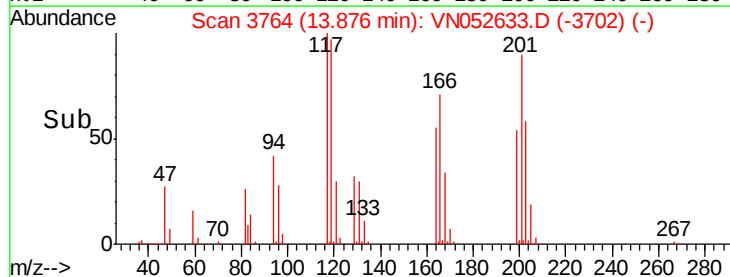
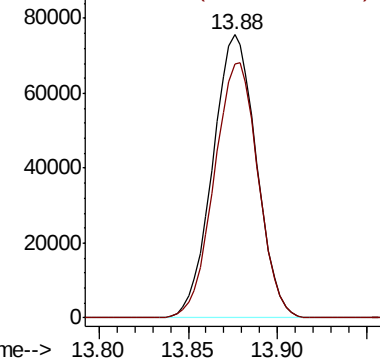
Ion Ratio Lower Upper

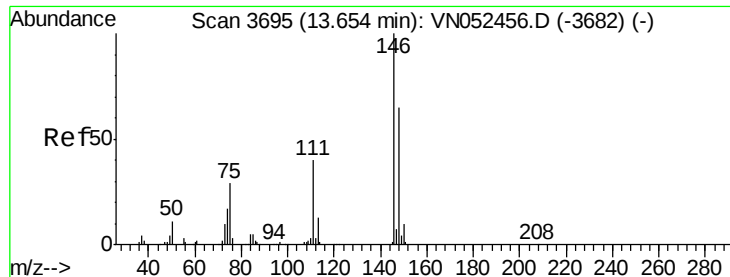
117 100

201 90.4 43.8 131.3



Abundance Ion 117.00 (116.70 to 117.70): VN052456.D (-3751) (-)





#87

1,2-Dichlorobenzene

Concen: 21.114 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN052633.D

Acq: 3 Dec 2018 16:02

Instrument :

MSVOA_N

ClientSampleId :

VN1203WBSD02

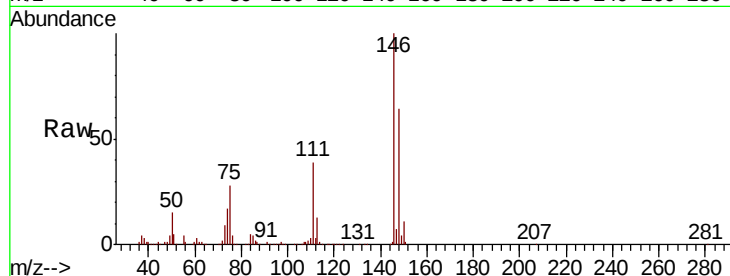
Tot Ion:146 Resp: 397636

Ion Ratio Lower Upper

146 100

111 39.6 20.3 60.8

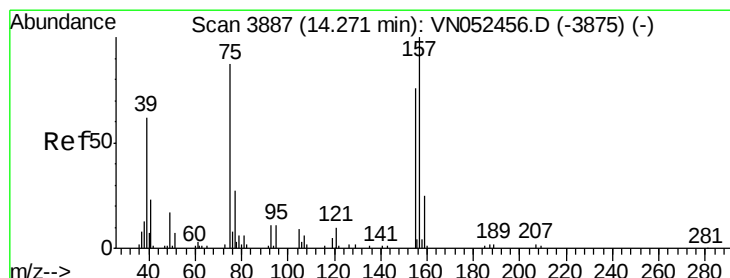
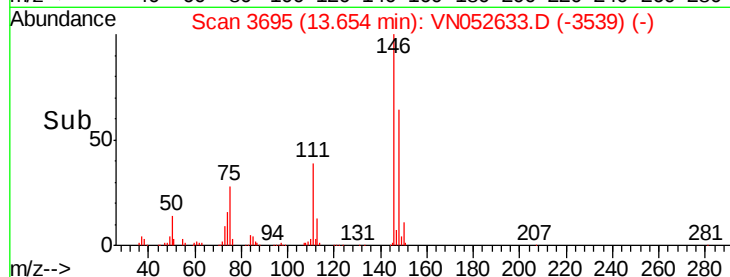
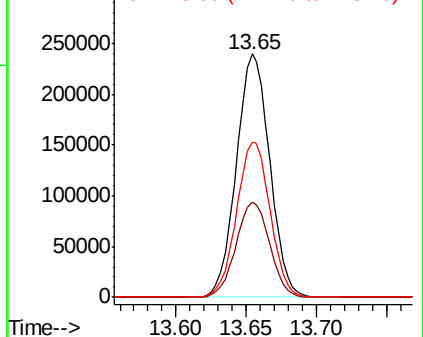
148 64.2 32.1 96.5



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



#88

1,2-Dibromo-3-Chloropropane

Concen: 22.311 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

Lab File: VN052633.D

Acq: 3 Dec 2018 16:02

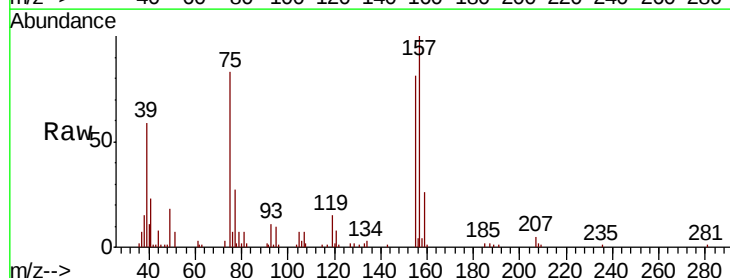
Tgt Ion: 75 Resp: 31630

Ion Ratio Lower Upper

75 100

155 94.2 72.2 108.2

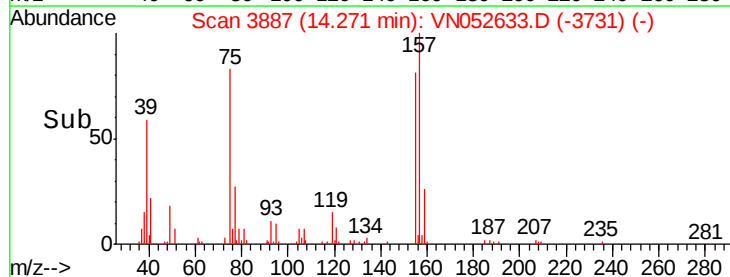
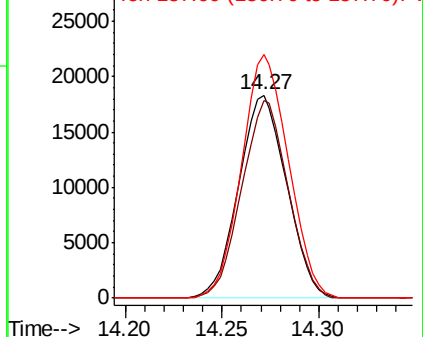
157 117.2 94.2 141.2

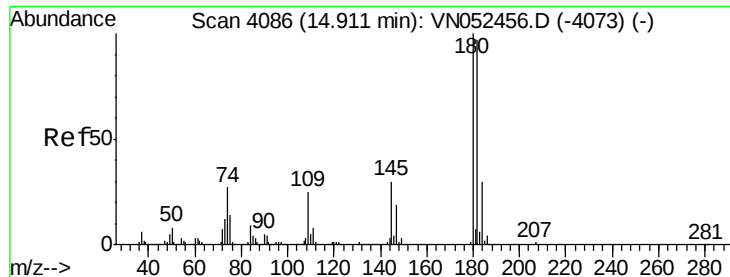


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

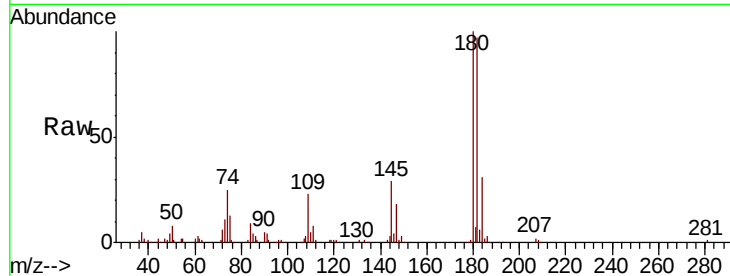




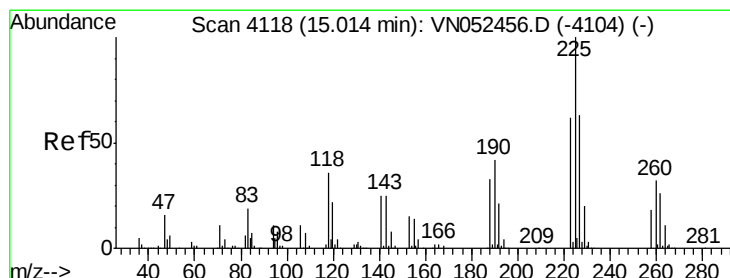
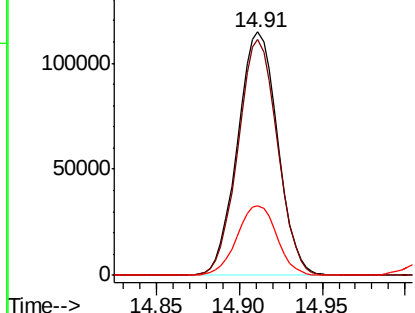
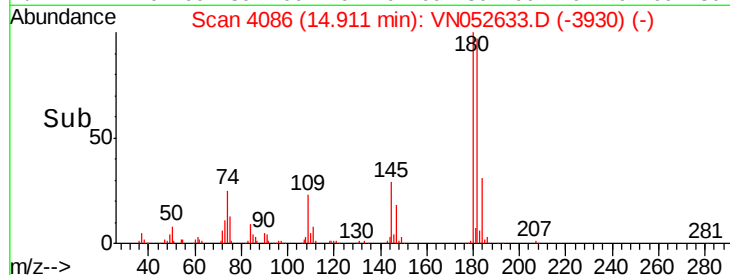
#89
 1,2,4-Trichlorobenzene
 Concen: 20.823 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN052633.D
 Acq: 3 Dec 2018 16:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1203WBSD02

Tot Ion:180 Resp: 193211
 Ion Ratio Lower Upper
 180 100
 182 95.3 76.6 114.8
 145 28.5 23.6 35.4

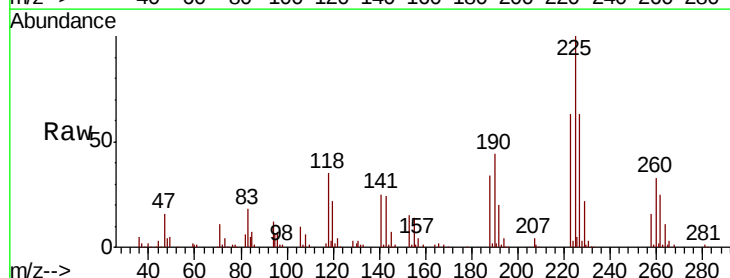


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

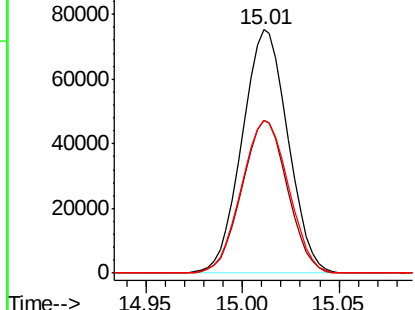
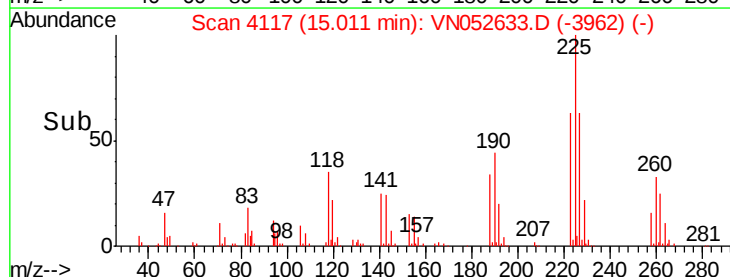


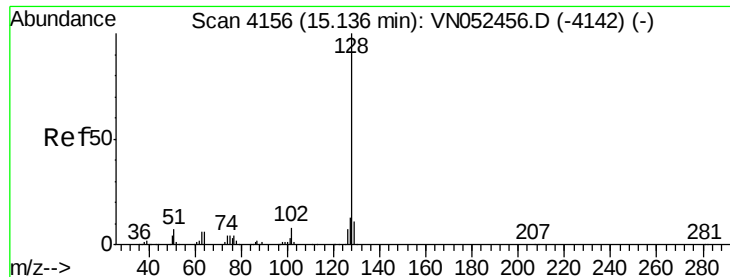
#90
 Hexachlorobutadiene
 Concen: 20.403 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN052633.D
 Acq: 3 Dec 2018 16:02

Tgt Ion:225 Resp: 124190
 Ion Ratio Lower Upper
 225 100
 223 62.5 0.0 125.6
 227 64.6 0.0 127.8



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: 21.802 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN052633.D

Acq: 3 Dec 2018 16:02

Instrument :

MSVOA_N

ClientSampleId :

VN1203WBSD02

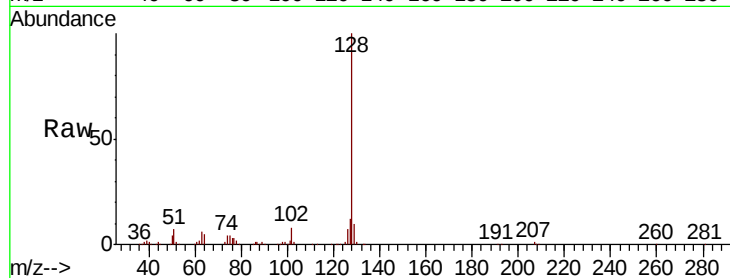
Tot Ion:128 Resp: 408503

Ion Ratio Lower Upper

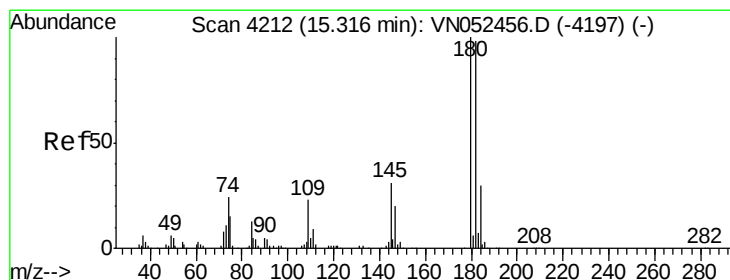
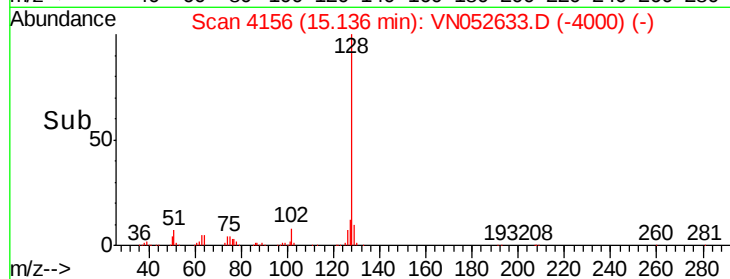
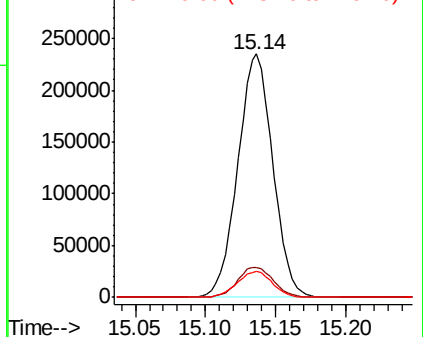
128 100

127 12.7 9.9 14.9

129 10.7 8.5 12.7



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: 21.782 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN052633.D

Acq: 3 Dec 2018 16:02

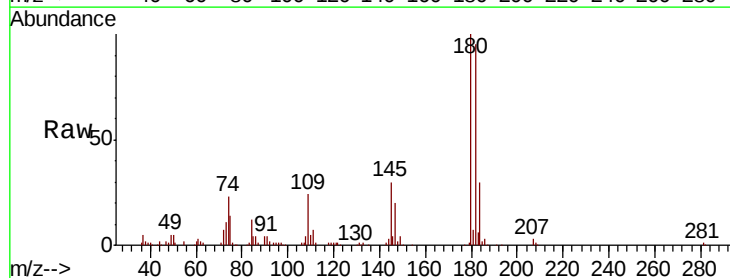
Tgt Ion:180 Resp: 186253

Ion Ratio Lower Upper

180 100

182 96.1 0.0 196.2

145 30.3 0.0 62.2



Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V

