

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121218\
 Data File : VN052821.D
 Acq On : 12 Dec 2018 12:29
 Operator : MD\SY
 Sample : VN1212WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1212WBSD01

Quant Time: Dec 13 03:42:36 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	154247	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	888540	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	778996	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	306937	29.20	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	97.33%
60) 4-Bromofluorobenzene	12.40	95	361067	30.32	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	101.07%
63) Toluene-d8	10.09	98	1055172	29.21	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	97.37%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	155314	17.680	ug/l 98
3) Chloromethane	2.06	50	206627	17.735	ug/l 99
4) Vinyl Chloride	2.19	62	217984	18.538	ug/l 98
5) Bromomethane	2.58	94	130888	19.522	ug/l 98
6) Chloroethane	2.71	64	133177	19.045	ug/l 100
7) Trichlorofluoromethane	3.03	101	279934	19.289	ug/l 99
8) Diethyl Ether	3.42	74	108978	20.337	ug/l 94
9) 1,1,2-Trichlorotrifluoroet	3.77	101	177945	19.343	ug/l 97
10) 1,1-Dichloroethene	3.74	96	170028	19.657	ug/l 97
11) Methyl Iodide	3.96	142	221863	18.474	ug/l 99
12) Methyl Acetate	4.33	43	151227	20.577	ug/l 99
13) Acrolein	3.61	56	61105	70.780	ug/l 100
14) Acrylonitrile	4.99	53	324258	103.548	ug/l 98
15) Acetone	3.82	58	76620	94.478	ug/l 98
16) Carbon Disulfide	4.06	76	472139	17.241	ug/l 100
17) Allyl chloride	4.33	41	287344	19.048	ug/l 99
18) Methylene Chloride	4.56	84	199531	19.923	ug/l 95
19) trans-1,2-Dichloroethene	5.05	96	179591	19.293	ug/l 96
20) Diisopropyl ether	5.95	45	621111	19.593	ug/l 99
21) 1,1-Dichloroethane	5.85	63	358520	19.843	ug/l 97
22) cis-1,2-Dichloroethene	6.83	96	214632	20.118	ug/l 98
24) Methyl tert-Butyl Ether	5.05	73	482893	21.280	ug/l 97
25) Chloroform	7.37	83	347979	19.963	ug/l 98
26) Cyclohexane	7.65	56	312620	18.345	ug/l # 99
29) 1,1-Dichloropropene	7.80	75	266589	19.647	ug/l 99
30) 2-Butanone	6.83	43	373661	102.914	ug/l 99
31) 2,2-Dichloropropane	6.83	77	257736	20.632	ug/l 99
32) 1,1,1-Trichloroethane	7.57	97	291773	20.666	ug/l 98
33) Carbon Tetrachloride	7.78	117	247602	20.043	ug/l 99
34) Benzene	8.04	78	814950	19.976	ug/l 99
35) Methacrylonitrile	7.18	41	99831	22.161	ug/l 98
36) 1,2-Dichloroethane	8.13	62	249411	20.175	ug/l 99
37) Trichloroethene	8.84	130	213451	20.634	ug/l 95
38) Methylcyclohexane	9.08	83	306166	18.227	ug/l 98
39) 1,2-Dichloropropane	9.12	63	217835	19.920	ug/l 98
40) Dibromomethane	9.21	93	123565	20.910	ug/l 97
41) Bromodichloromethane	9.40	83	265812	20.359	ug/l 98

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 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 28

Instrument :
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 ClientSampleId :
 VN1212WBSD01

Quant Time: Dec 13 03:42:36 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N112618W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Vinyl Acetate	5.90	43	1889859	96.200	ug/l	98
43) Ethyl Acetate	6.93	43	161365	20.901	ug/l #	69
44) Isopropyl Acetate	8.17	43	306381	22.627	ug/l #	82
45) 1,4-Dioxane	9.20	88	34026	459.349	ug/l	94
46) Methyl methacrylate	9.20	41	149542	21.271	ug/l	97
47) n-amyl Acetate	12.07	43	245039	21.826	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	256082	20.228	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	304992	19.774	ug/l	97
50) 1,1,2-Trichloroethane	10.56	97	177386	21.176	ug/l	98
51) Ethyl methacrylate	10.43	69	228721	21.740	ug/l	96
52) 1,3-Dichloropropane	10.71	76	304927	20.451	ug/l	100
53) Dibromochloromethane	10.90	129	193173	20.946	ug/l	99
54) 1,2-Dibromoethane	11.01	107	173727	21.224	ug/l	98
55) 2-Chloroethyl vinyl ether	9.70	63	645267	104.780	ug/l	99
56) Bromoform	12.13	173	128192	21.266	ug/l	99
58) 4-Methyl-2-Pentanone	9.99	43	824368	109.157	ug/l	99
59) 2-Hexanone	10.75	43	557347	108.034	ug/l	98
61) Tetrachloroethene	10.63	164	224573	23.407	ug/l	97
62) Toluene	10.16	91	863024	20.097	ug/l	99
64) Chlorobenzene	11.43	112	538166	20.532	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	190452	20.933	ug/l	99
66) Ethyl Benzene	11.51	91	920098	19.880	ug/l	99
67) m/p-Xylenes	11.62	106	702745	40.755	ug/l	98
68) o-Xylene	11.95	106	344461	20.582	ug/l	99
69) Styrene	11.96	104	550172	20.367	ug/l	99
70) Isopropylbenzene	12.25	105	912608	20.494	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	206661	21.335	ug/l	98
72) 1,2,3-Trichloropropane	12.55	75	257495	30.967	ug/l	46
73) Bromobenzene	12.53	156	227873	21.159	ug/l	96
74) n-propylbenzene	12.59	91	1037721	20.001	ug/l	99
75) 2-Chlorotoluene	12.67	91	615989	20.454	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	729347	20.278	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	52331	19.922	ug/l	97
78) 4-Chlorotoluene	12.77	91	615874	20.478	ug/l	98
79) tert-butylbenzene	12.99	119	653052	20.849	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	741218	20.596	ug/l	99
81) sec-Butylbenzene	13.17	105	886337	20.315	ug/l	100
82) p-Isopropyltoluene	13.29	119	754967	20.322	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	396801	20.949	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	390060	21.314	ug/l	98
85) n-Butylbenzene	13.62	91	603635	18.916	ug/l	99
86) Hexachloroethane	13.87	117	123312	19.590	ug/l	96
87) 1,2-Dichlorobenzene	13.65	146	387616	21.504	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	30573	22.532	ug/l	96
89) 1,2,4-Trichlorobenzene	14.91	180	200317	22.557	ug/l	99
90) Hexachlorobutadiene	15.01	225	124059	21.296	ug/l	98
91) Naphthalene	15.13	128	413819	23.075	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	188075	22.981	ug/l	98

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Tue Nov 27 00:48:33 2018
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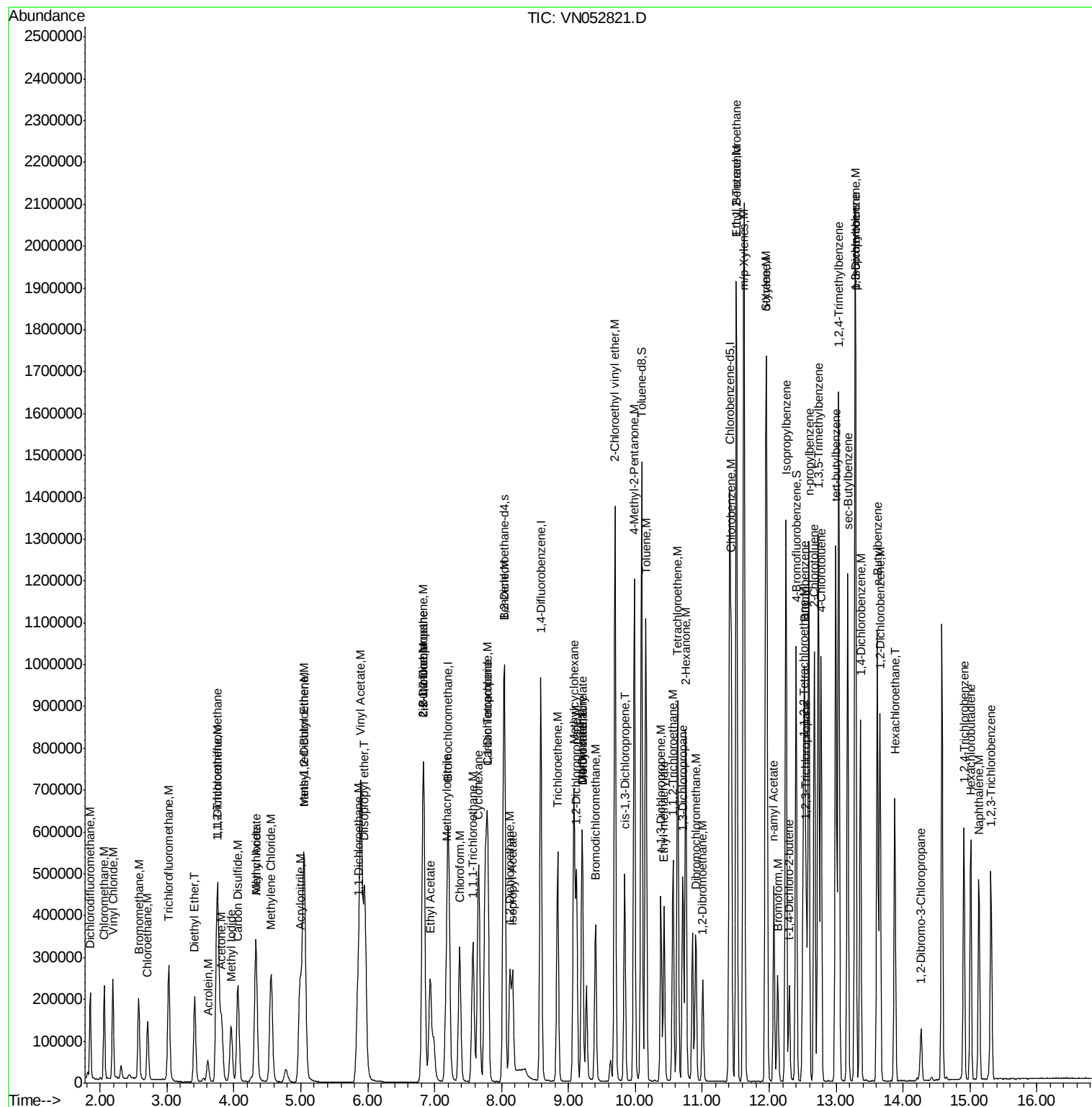
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

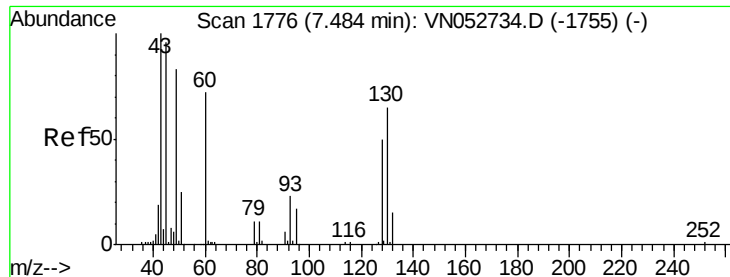
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN121218\
Data File : VN052821.D
Acq On : 12 Dec 2018 12:29
Operator : MD\SY
Sample : VN1212WBSD01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 6 Sample Multiplier: 28

Instrument :
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ClientSampleId :
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Quant Time: Dec 13 03:42:36 2018
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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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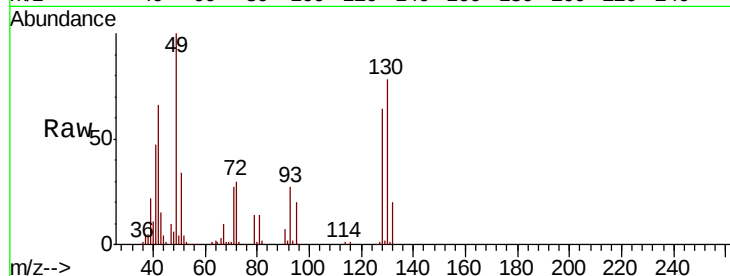




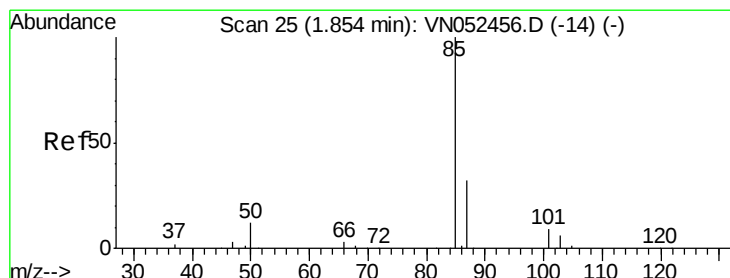
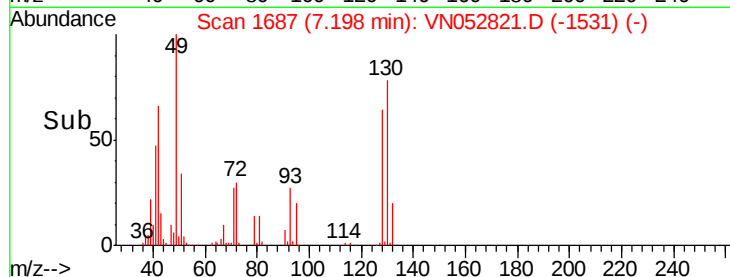
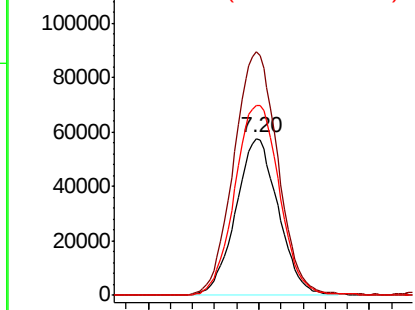
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN052821.D
Acq: 12 Dec 2018 12:29

Instrument :
MSVOA_N
ClientSampleId :
VN1212WBSD01

Tot Ion:128 Resp: 154247
Ion Ratio Lower Upper
128 100
49 161.1 0.0 431.8
130 127.1 0.0 317.0

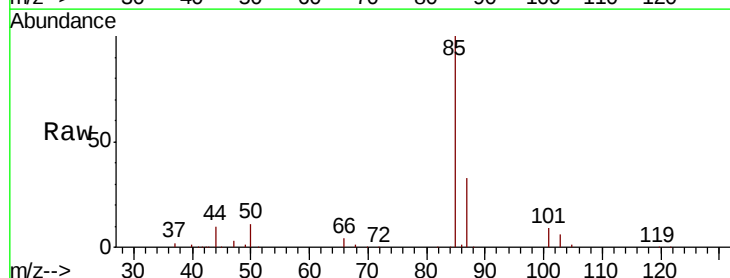


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VN
Ion 130.00 (129.70 to 130.70): V

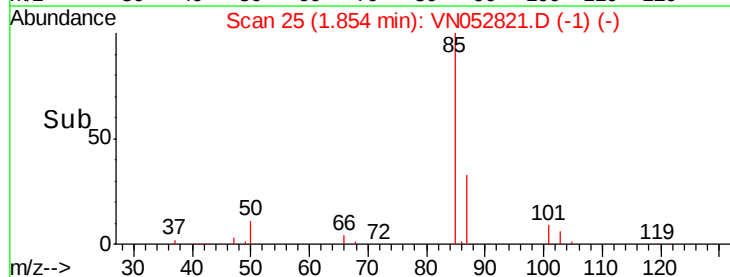
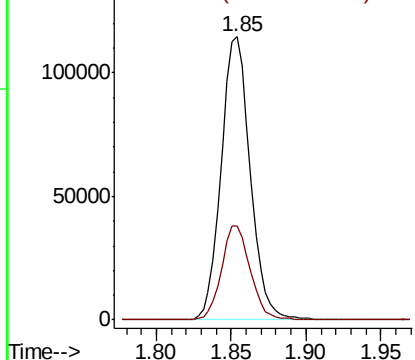


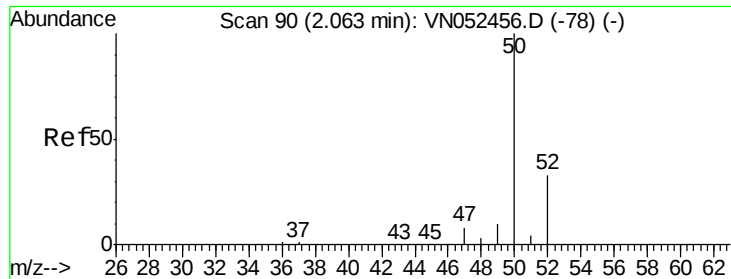
#2
Dichlorodifluoromethane
Concen: 17.680 ug/l
RT: 1.85 min Scan# 25
Delta R.T. 0.00 min
Lab File: VN052821.D
Acq: 12 Dec 2018 12:29

Tgt Ion: 85 Resp: 155314
Ion Ratio Lower Upper
85 100
87 33.4 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: 17.735 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN052821.D

Acq: 12 Dec 2018 12:29

Instrument :

MSVOA_N

ClientSampled :

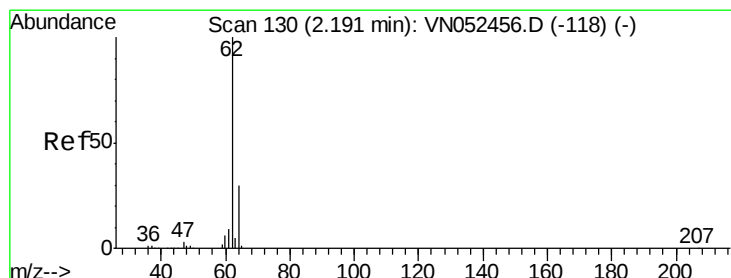
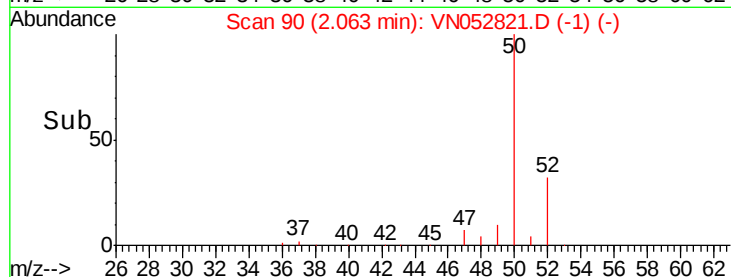
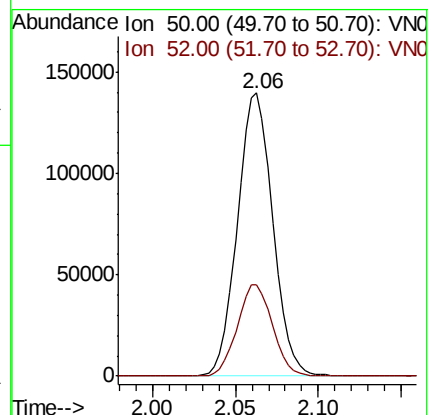
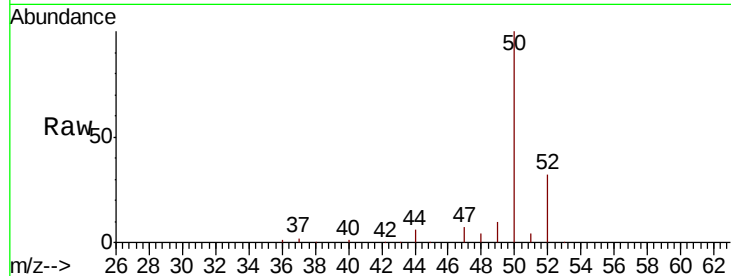
VN1212WBSD01

Tot Ion: 50 Resp: 206627

Ion Ratio Lower Upper

50 100

52 32.5 26.5 39.7



#4

Vinyl Chloride

Concen: 18.538 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN052821.D

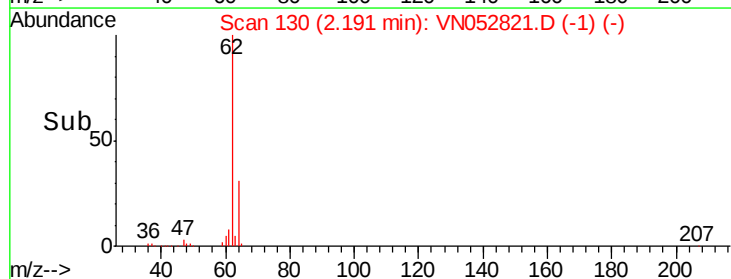
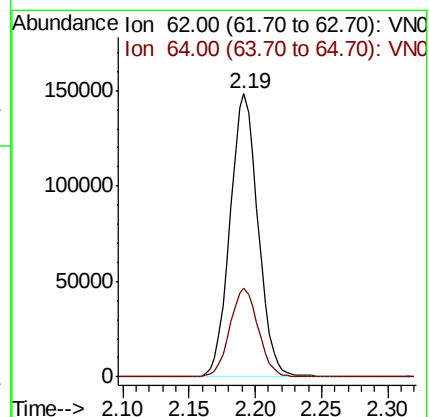
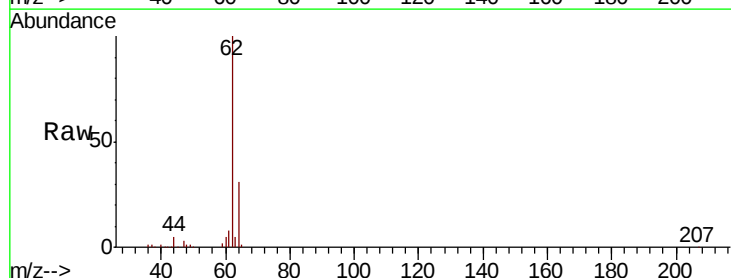
Acq: 12 Dec 2018 12:29

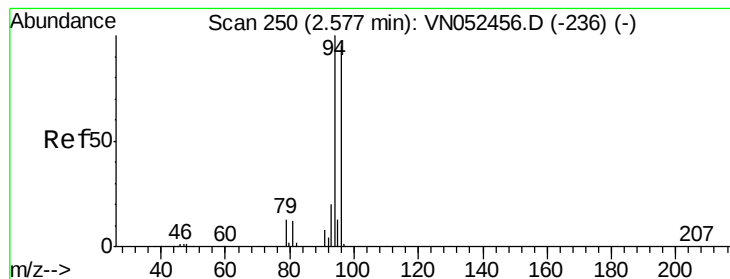
Tgt Ion: 62 Resp: 217984

Ion Ratio Lower Upper

62 100

64 31.2 24.2 36.4





#5

Bromomethane

Concen: 19.522 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN052821.D

Acq: 12 Dec 2018 12:29

Instrument :

MSVOA_N

ClientSampleId :

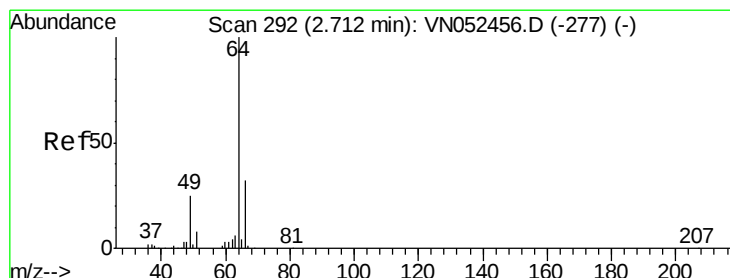
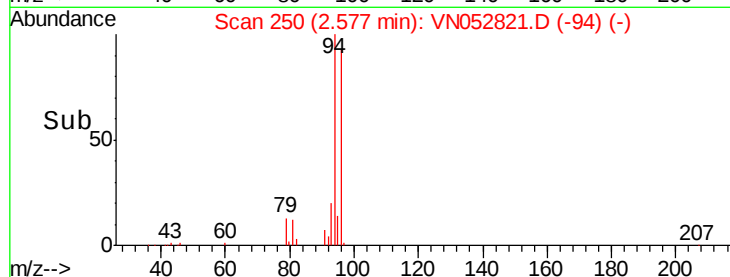
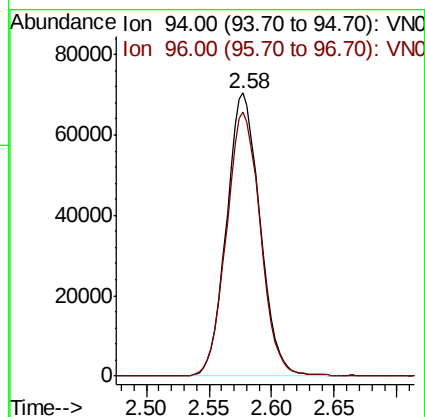
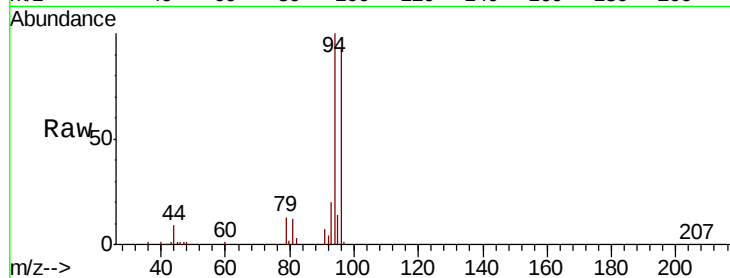
VN1212WBSD01

Tot Ion: 94 Resp: 130888

Ion Ratio Lower Upper

94 100

96 93.1 76.2 114.2



#6

Chloroethane

Concen: 19.045 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN052821.D

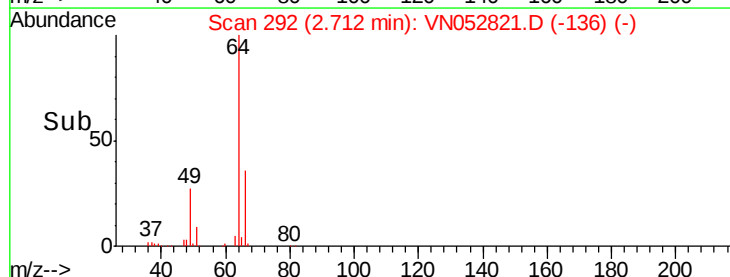
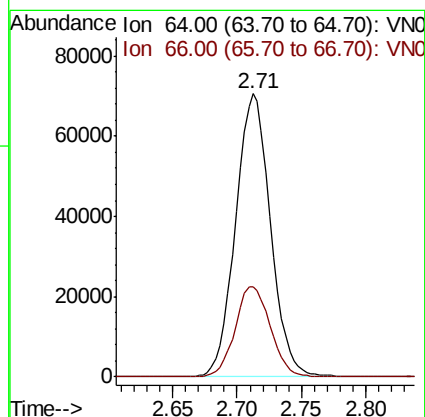
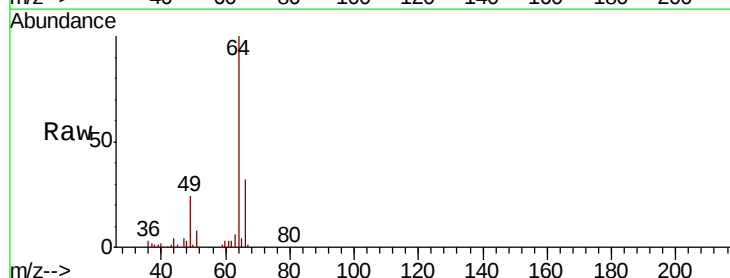
Acq: 12 Dec 2018 12:29

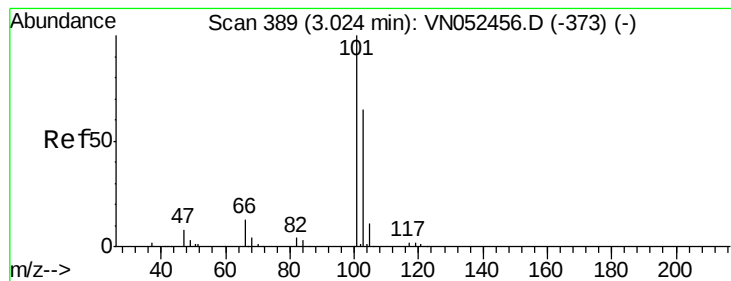
Tgt Ion: 64 Resp: 133177

Ion Ratio Lower Upper

64 100

66 31.9 25.6 38.4



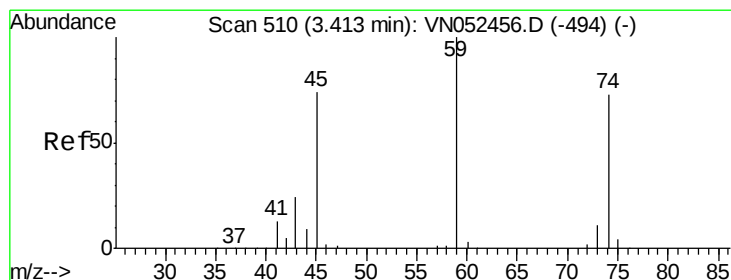
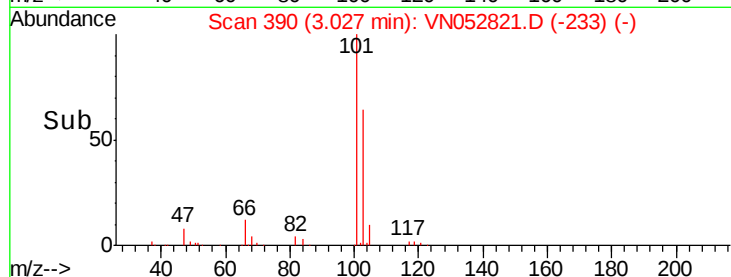
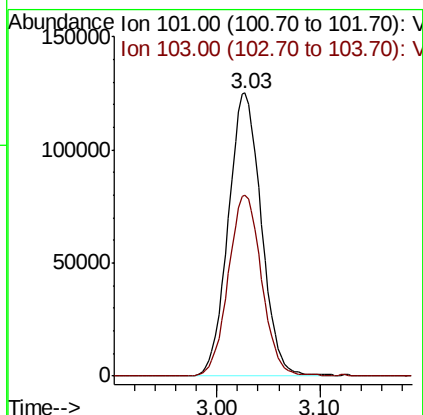
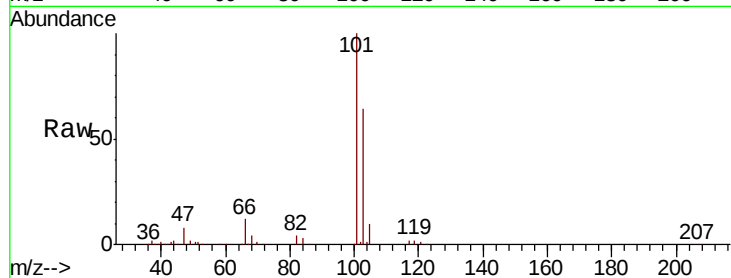


#7

Trichlorofluoromethane
 Concen: 19.289 ug/l
 RT: 3.03 min Scan# 390
 Delta R.T. 0.00 min
 Lab File: VN052821.D
 Acq: 12 Dec 2018 12:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1212WBSD01

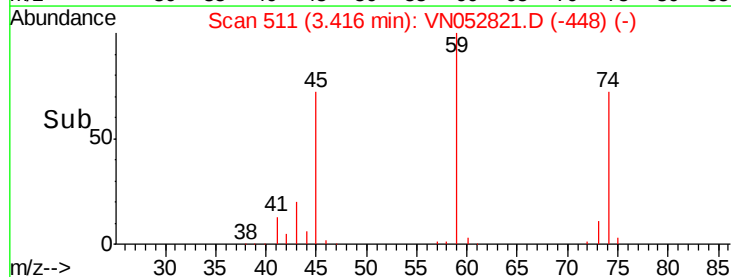
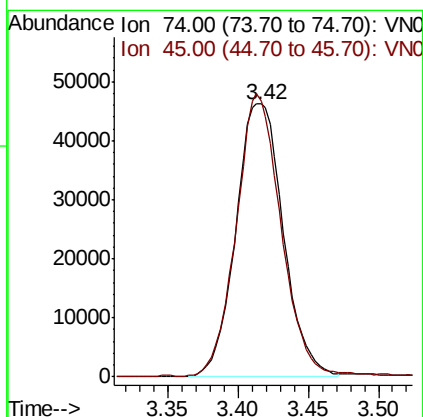
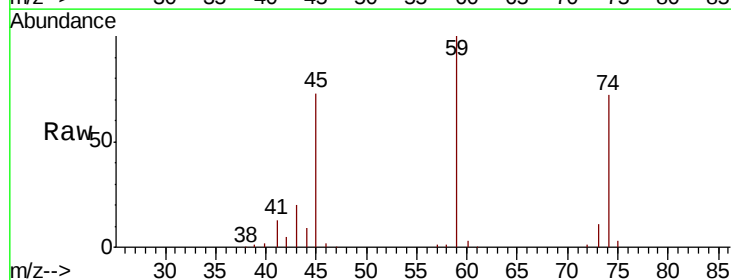
Tot Ion:101 Resp: 279934
 Ion Ratio Lower Upper
 101 100
 103 64.1 52.1 78.1

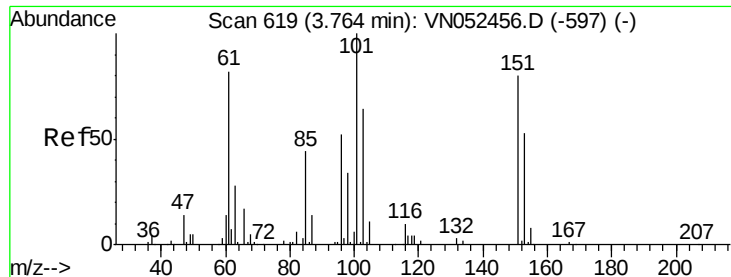


#8

Diethyl Ether
 Concen: 20.337 ug/l
 RT: 3.42 min Scan# 511
 Delta R.T. 0.00 min
 Lab File: VN052821.D
 Acq: 12 Dec 2018 12:29

Tgt Ion: 74 Resp: 108978
 Ion Ratio Lower Upper
 74 100
 45 97.0 20.6 185.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.343 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.00 min

Lab File: VN052821.D

Acq: 12 Dec 2018 12:29

Instrument :

MSVOA_N

ClientSampleId :

VN1212WBSD01

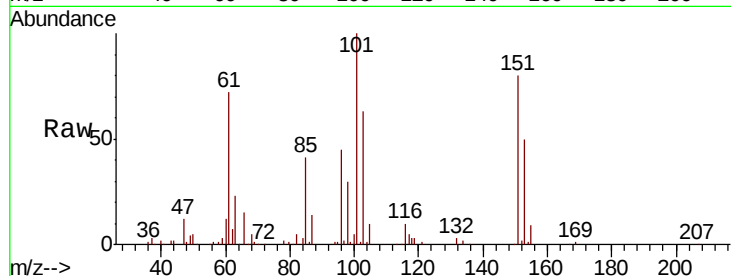
Tot Ion:101 Resp: 177945

Ion Ratio Lower Upper

101 100

85 41.9 0.0 82.6

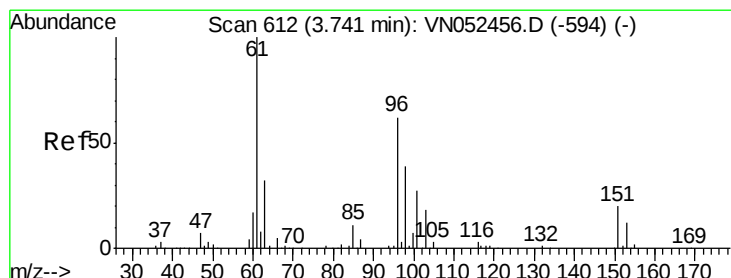
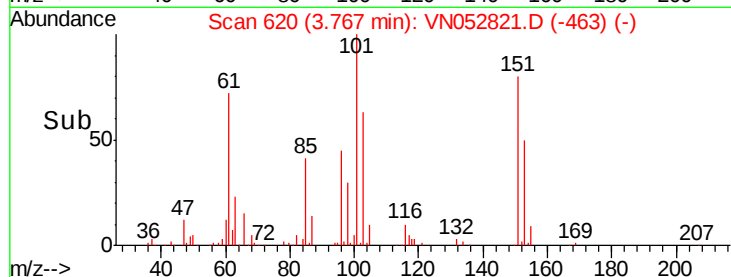
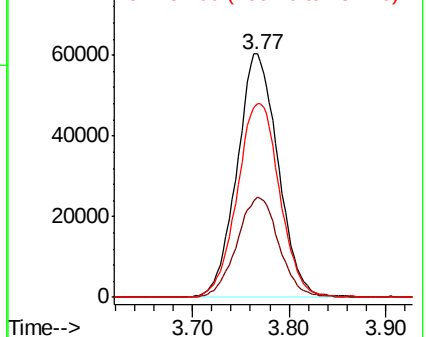
151 82.3 0.0 158.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VNO

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 19.657 ug/l

RT: 3.74 min Scan# 613

Delta R.T. 0.00 min

Lab File: VN052821.D

Acq: 12 Dec 2018 12:29

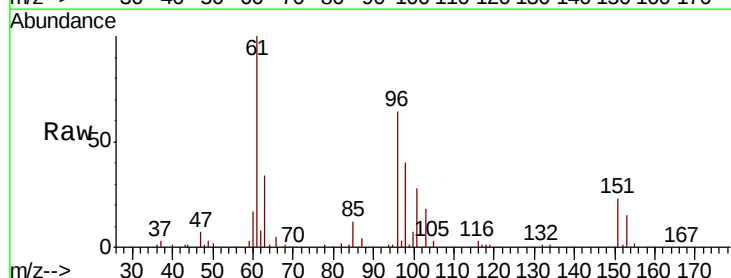
Tgt Ion: 96 Resp: 170028

Ion Ratio Lower Upper

96 100

61 156.4 129.4 194.2

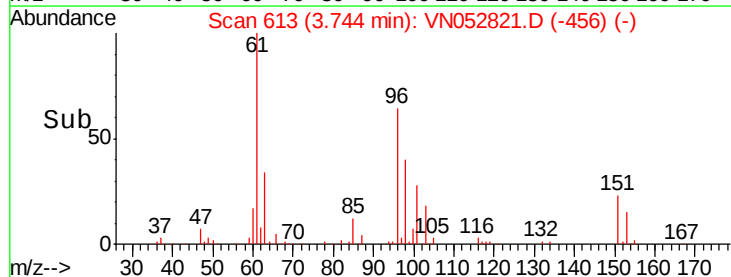
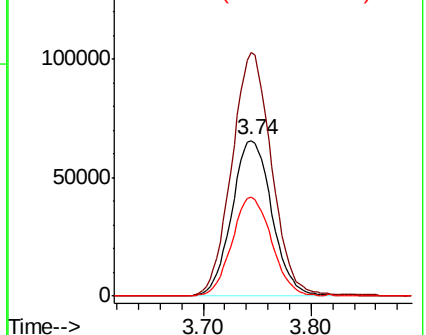
98 63.5 50.4 75.6

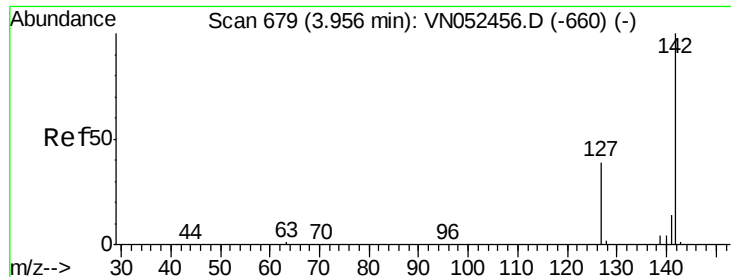


Abundance Ion 96.00 (95.70 to 96.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 98.00 (97.70 to 98.70): VNO

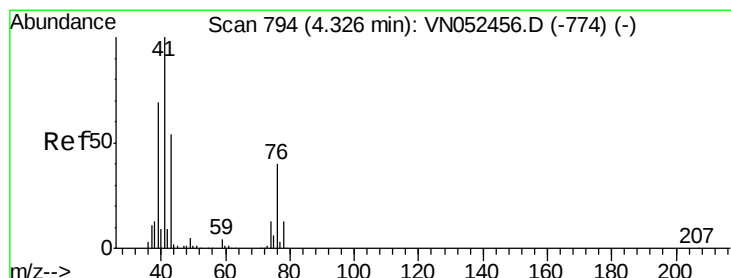
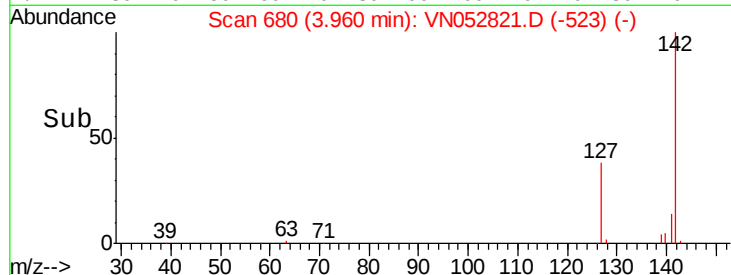
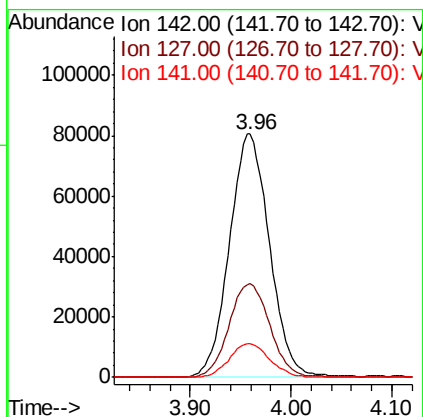
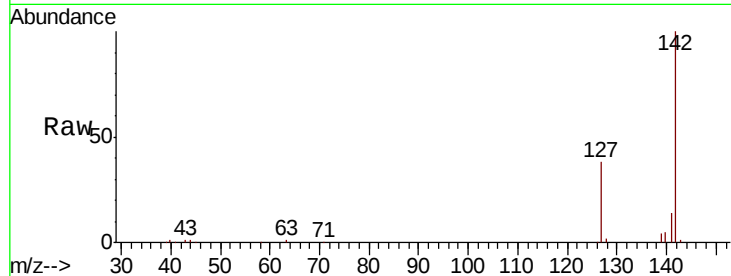




#11
Methvl Iodide
Concen: 18.474 ug/l
RT: 3.96 min Scan# 680
Delta R.T. 0.00 min
Lab File: VN052821.D
Acq: 12 Dec 2018 12:29

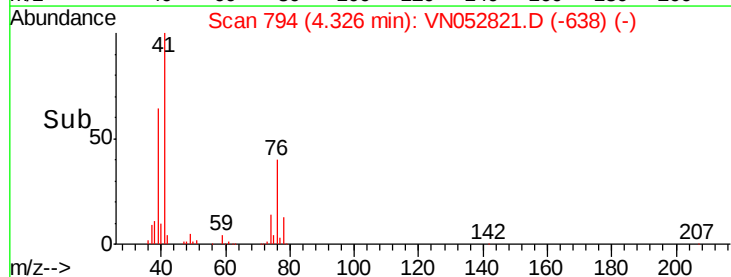
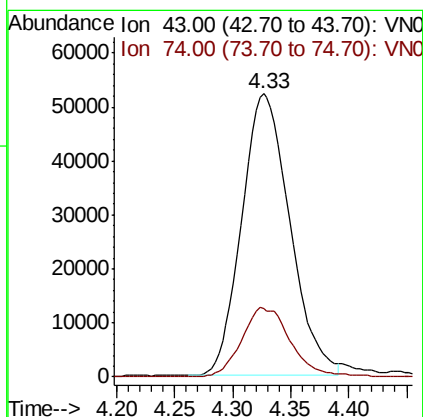
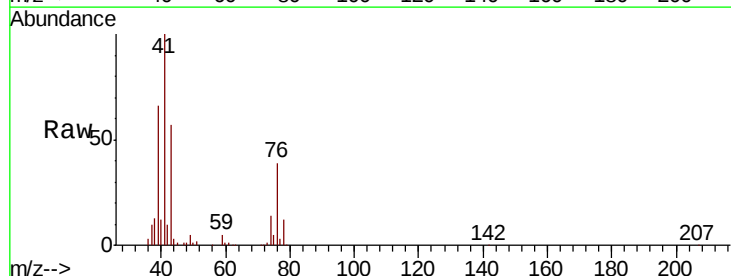
Instrument :
MSVOA_N
ClientSampleId :
VN1212WBSD01

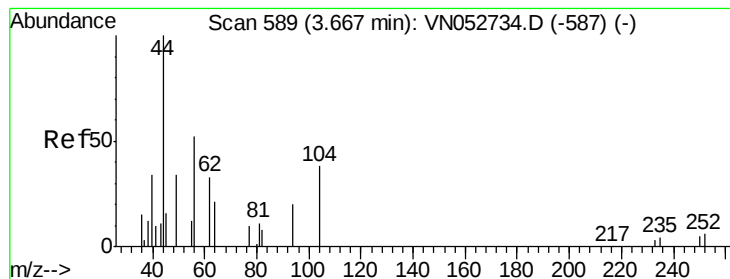
Tot Ion:142 Resp: 221863
Ion Ratio Lower Upper
142 100
127 38.3 19.4 58.1
141 14.0 7.2 21.6



#12
Methyl Acetate
Concen: 20.577 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN052821.D
Acq: 12 Dec 2018 12:29

Tgt Ion: 43 Resp: 151227
Ion Ratio Lower Upper
43 100
74 24.2 18.9 28.3





#13

Acrolein

Concen: 70.780 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN052821.D

Acq: 12 Dec 2018 12:29

Instrument :

MSVOA_N

ClientSampleId :

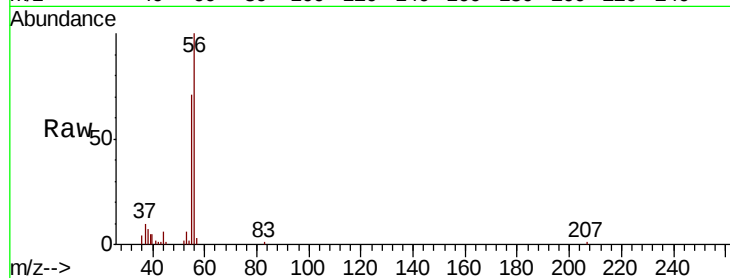
VN1212WBSD01

Tot Ion: 56 Resp: 61105

Ion Ratio Lower Upper

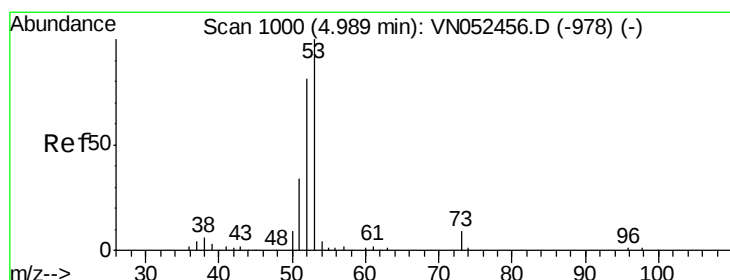
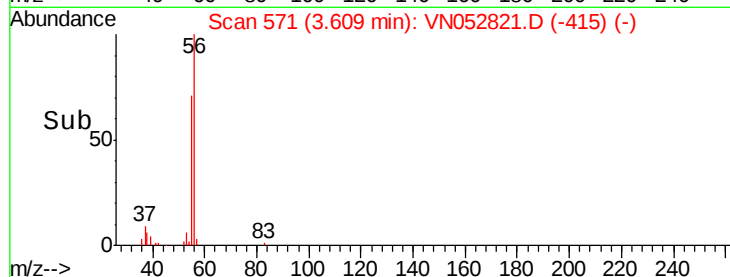
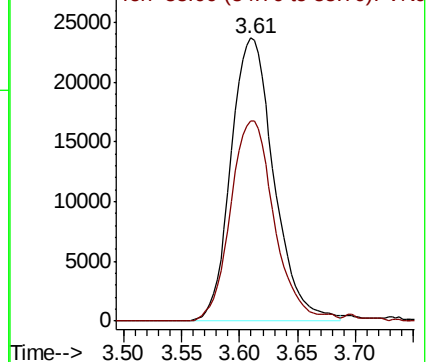
56 100

55 71.0 56.7 85.1



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 103.548 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN052821.D

Acq: 12 Dec 2018 12:29

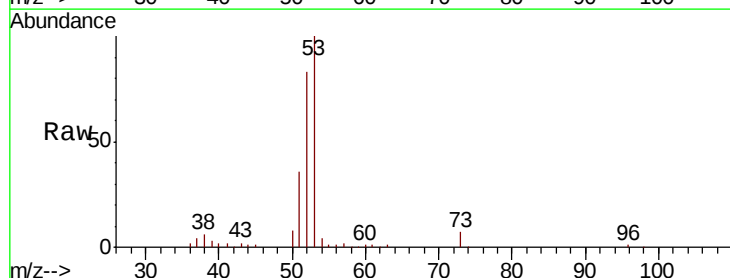
Tgt Ion: 53 Resp: 324258

Ion Ratio Lower Upper

53 100

52 82.2 39.9 119.7

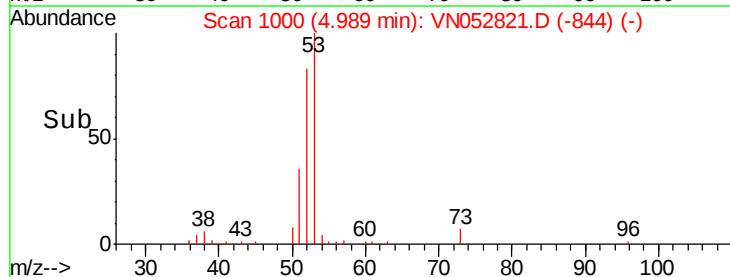
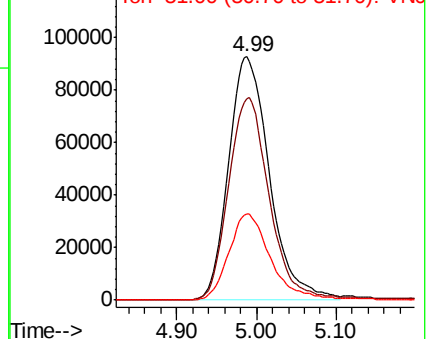
51 35.6 17.6 52.9

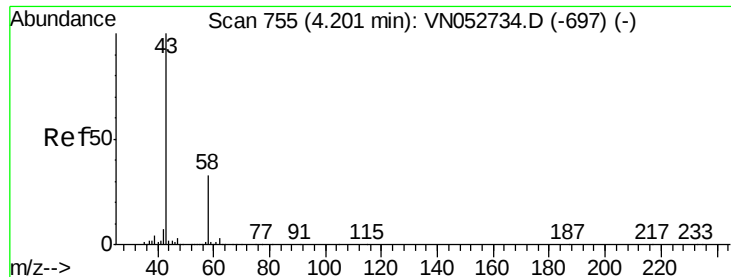


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 94.478 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN052821.D

Acq: 12 Dec 2018 12:29

Instrument :

MSVOA_N

ClientSampleId :

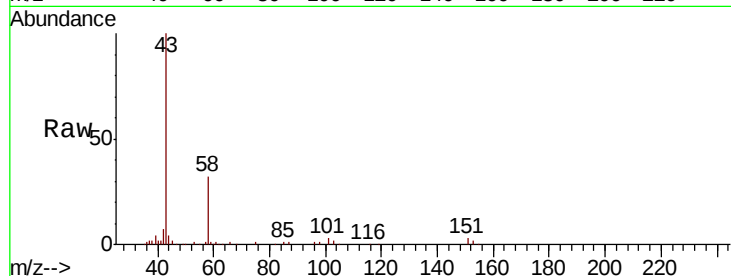
VN1212WBSD01

Tot Ion: 58 Resp: 76620

Ion Ratio Lower Upper

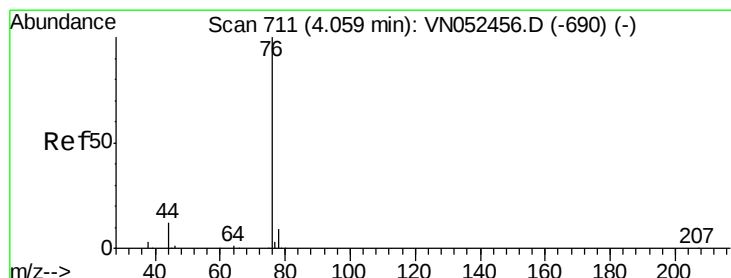
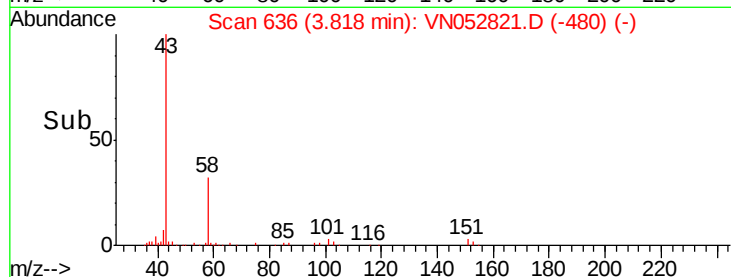
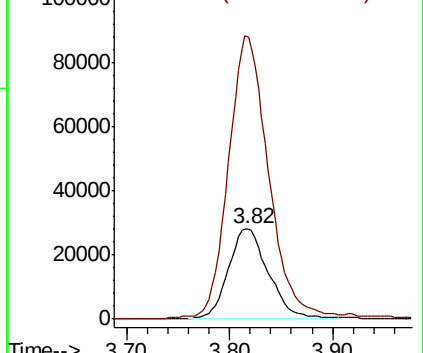
58 100

43 307.6 243.6 365.4



Abundance Ion 58.00 (57.70 to 58.70): VN052821.D (-555) (-)

Ion 43.00 (42.70 to 43.70): VN052821.D (-555) (-)



#16

Carbon Disulfide

Concen: 17.241 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN052821.D

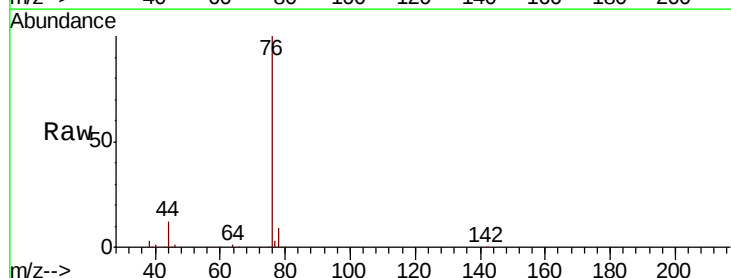
Acq: 12 Dec 2018 12:29

Tgt Ion: 76 Resp: 472139

Ion Ratio Lower Upper

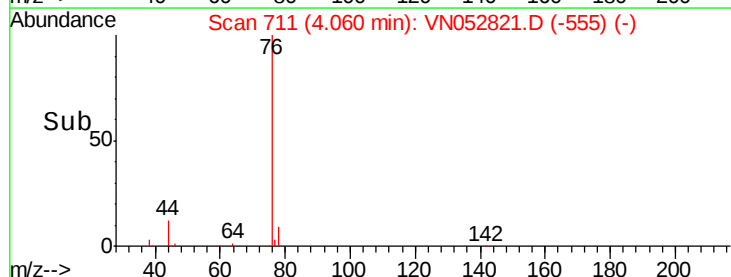
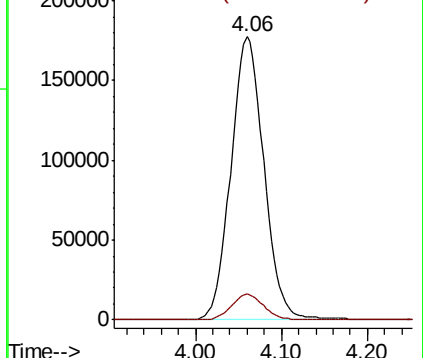
76 100

78 9.0 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN052821.D (-555) (-)

Ion 78.00 (77.70 to 78.70): VN052821.D (-555) (-)

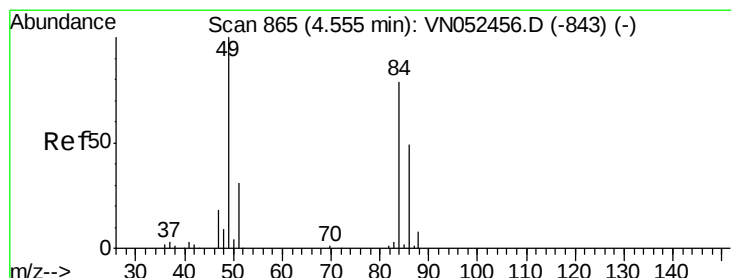
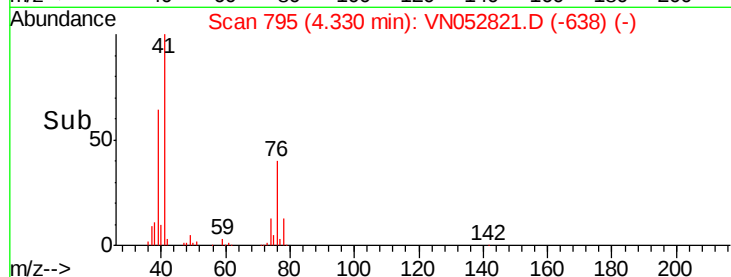
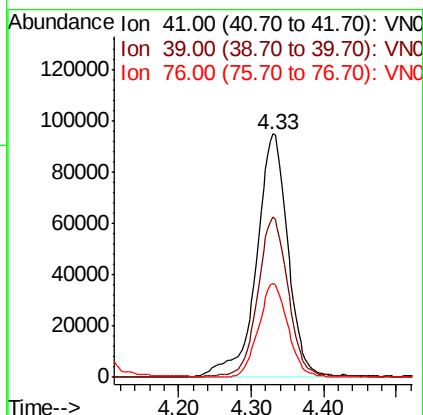
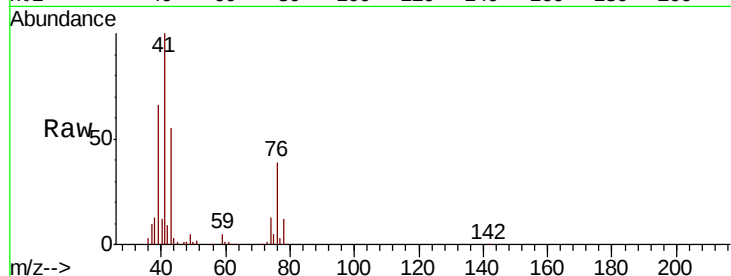




#17
Allvl chloride
Concen: 19.048 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN052821.D
Acq: 12 Dec 2018 12:29

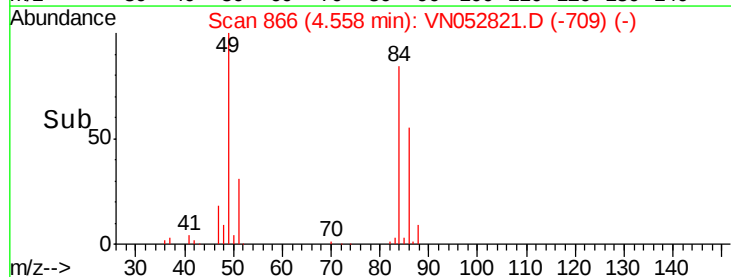
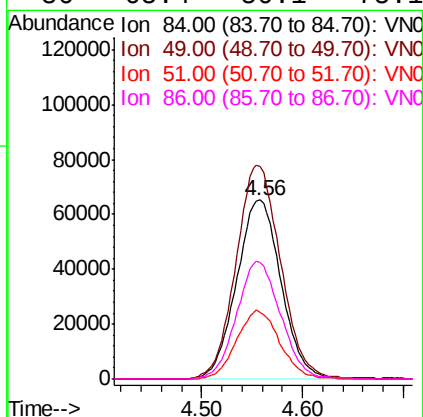
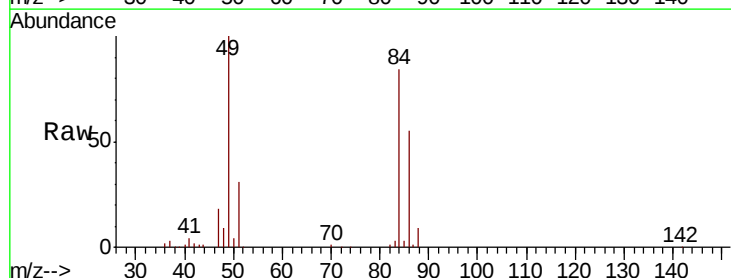
Instrument :
MSVOA_N
ClientSampleId :
VN1212WBSD01

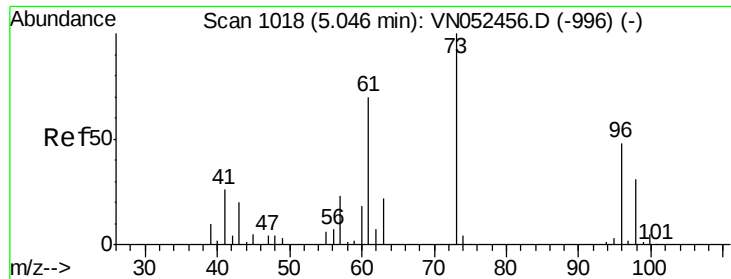
Tot Ion: 41 Resp: 287344
Ion Ratio Lower Upper
41 100
39 65.7 32.8 98.3
76 38.3 18.6 55.8



#18
Methylene Chloride
Concen: 19.923 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.00 min
Lab File: VN052821.D
Acq: 12 Dec 2018 12:29

Tgt Ion: 84 Resp: 199531
Ion Ratio Lower Upper
84 100
49 119.0 101.4 152.0
51 37.3 31.7 47.5
86 65.4 50.1 75.1

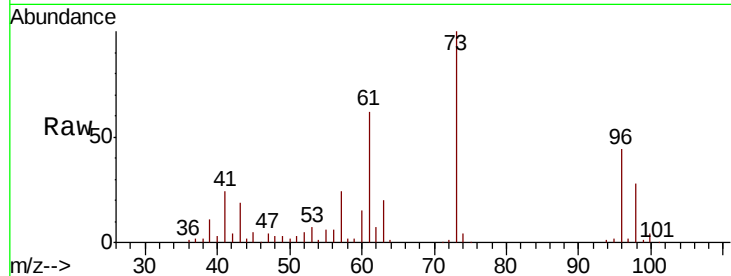




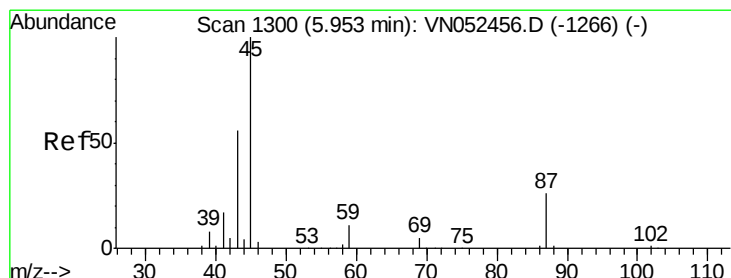
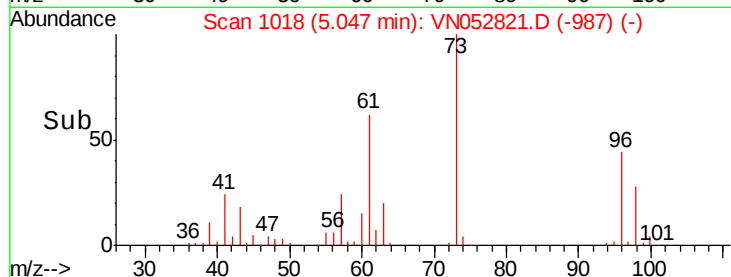
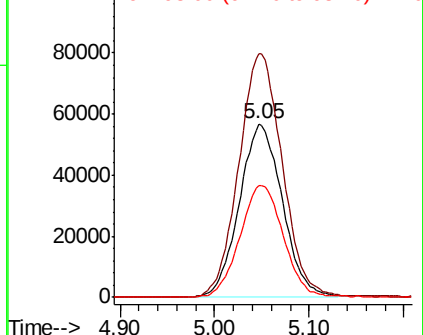
#19
trans-1,2-Dichloroethene
Concen: 19.293 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN052821.D
Acq: 12 Dec 2018 12:29

Instrument :
MSVOA_N
ClientSampled :
VN1212WBSD01

Tot Ion: 96 Resp: 179591
Ion Ratio Lower Upper
96 100
61 140.2 118.2 177.4
98 64.7 51.4 77.2

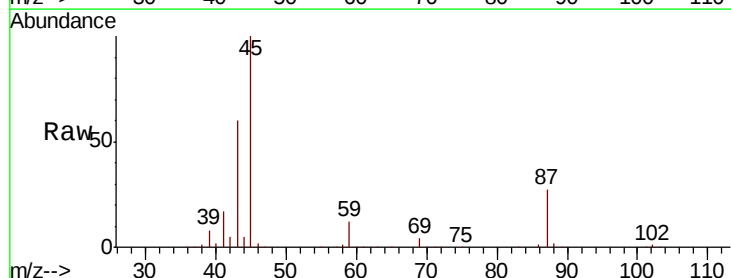


Abundance Ion 96.00 (95.70 to 96.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

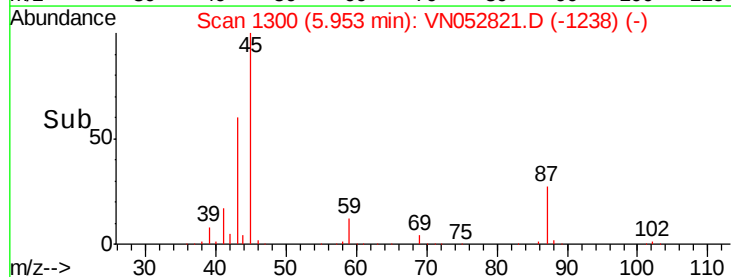
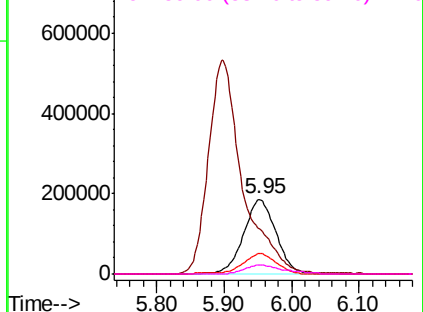


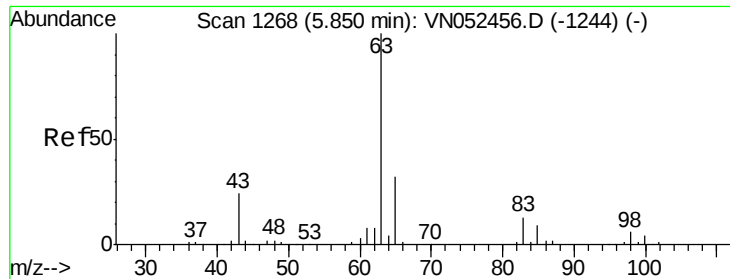
#20
Diisopropyl ether
Concen: 19.593 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN052821.D
Acq: 12 Dec 2018 12:29

Tgt Ion: 45 Resp: 621111
Ion Ratio Lower Upper
45 100
43 59.0 47.8 71.8
87 27.1 21.3 31.9
59 12.2 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

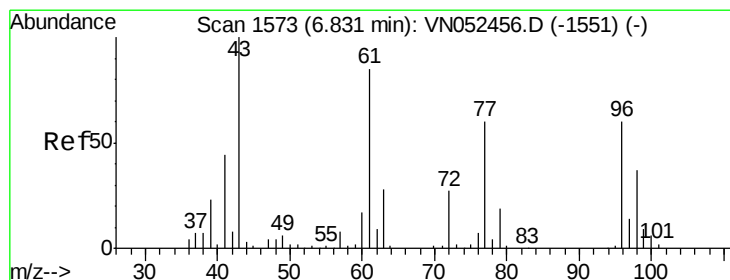
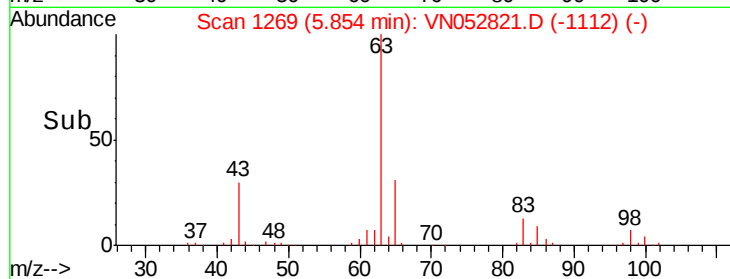
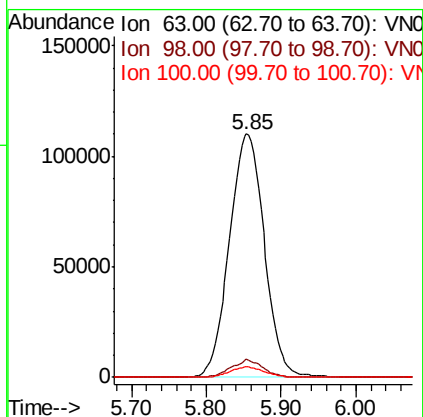
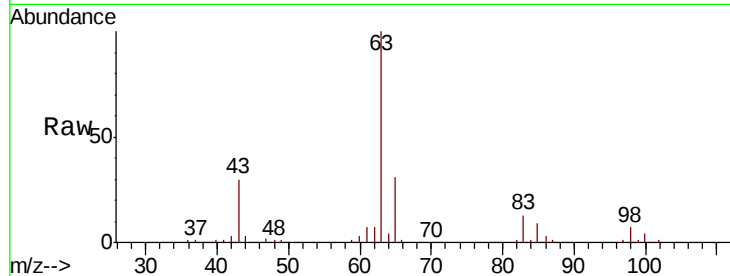




#21
 1,1-Dichloroethane
 Concen: 19.843 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN052821.D
 Acq: 12 Dec 2018 12:29

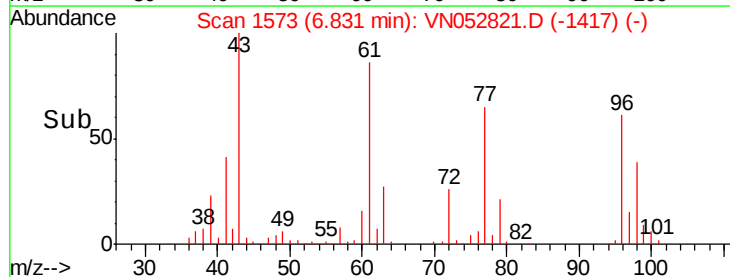
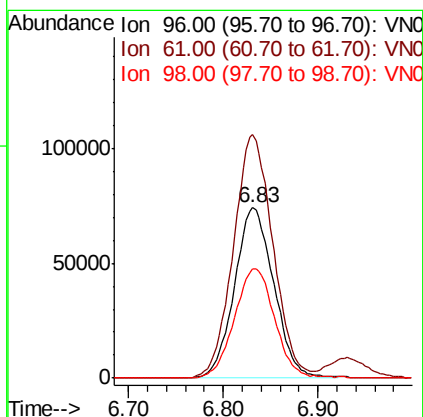
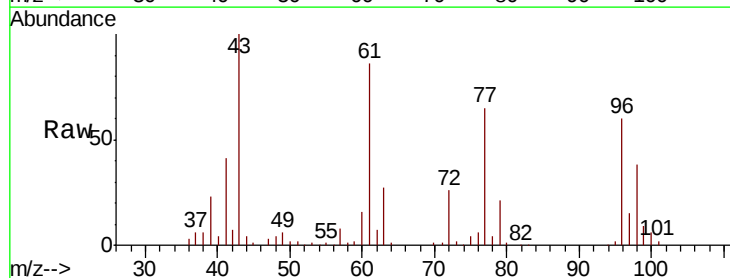
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1212WBSD01

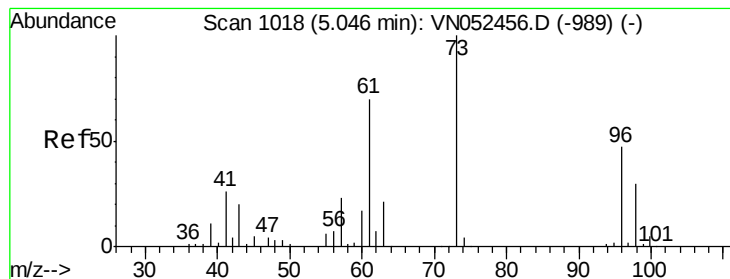
Tot Ion	Ratio	Lower	Upper
63	100		
98	7.3	3.0	9.2
100	4.4	1.8	5.5



#22
 cis-1,2-Dichloroethene
 Concen: 20.118 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN052821.D
 Acq: 12 Dec 2018 12:29

Tgt Ion	Ratio	Lower	Upper
96	100		
61	143.4	116.7	175.1
98	65.0	50.8	76.2



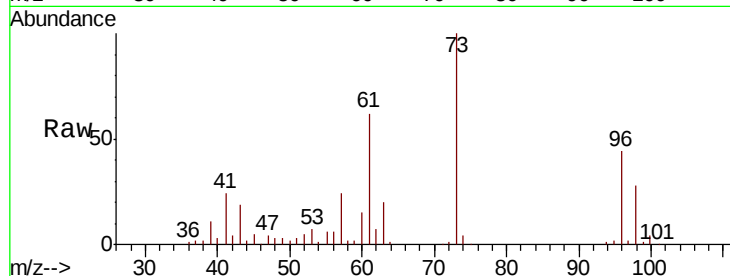


#24

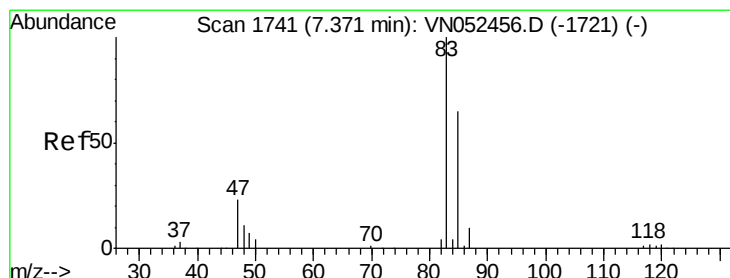
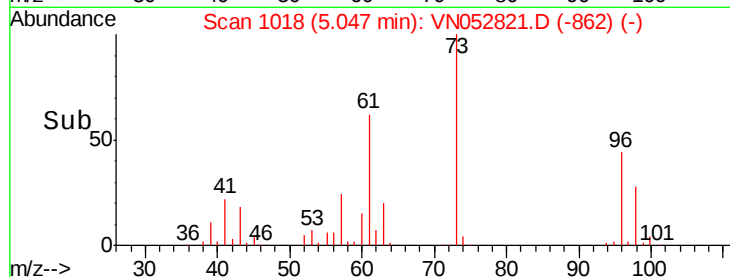
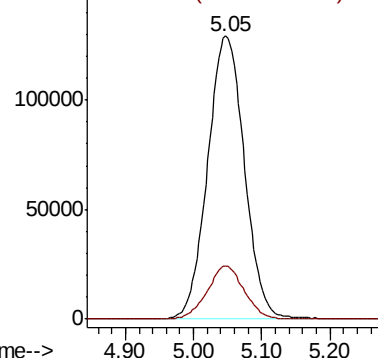
Methyl tert-Butyl Ether
 Concen: 21.280 ug/l
 RT: 5.05 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VN052821.D
 Acq: 12 Dec 2018 12:29

Instrument :
 MSVOA_N
 ClientSampled :
 VN1212WBSD01

Tot Ion: 73 Resp: 482893
 Ion Ratio Lower Upper
 73 100
 43 18.3 15.8 23.8



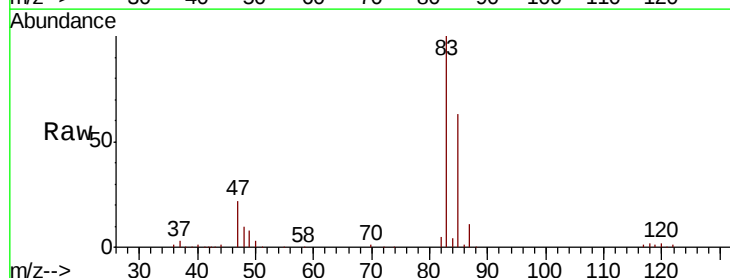
Abundance Ion 73.00 (72.70 to 73.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0



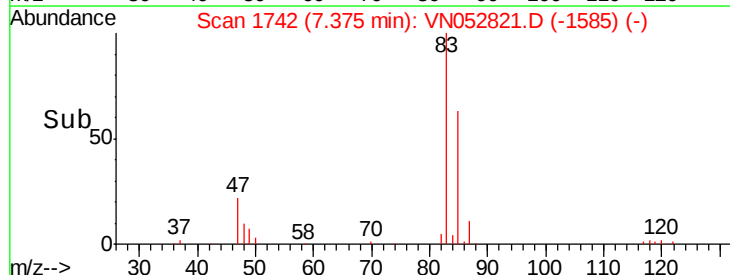
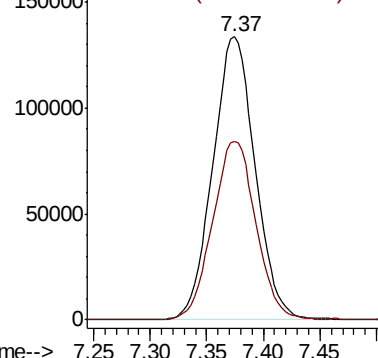
#25

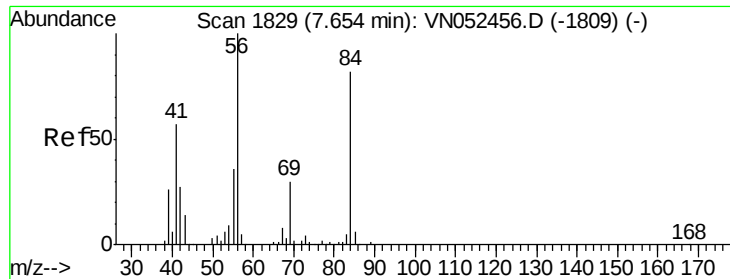
Chloroform
 Concen: 19.963 ug/l
 RT: 7.37 min Scan# 1742
 Delta R.T. 0.00 min
 Lab File: VN052821.D
 Acq: 12 Dec 2018 12:29

Tgt Ion: 83 Resp: 347979
 Ion Ratio Lower Upper
 83 100
 85 63.2 51.7 77.5



Abundance Ion 83.00 (82.70 to 83.70): VN0
 Ion 85.00 (84.70 to 85.70): VN0

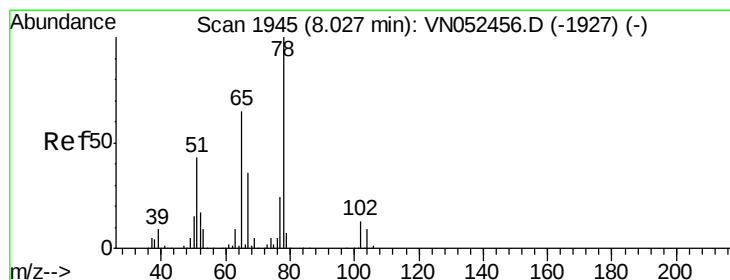
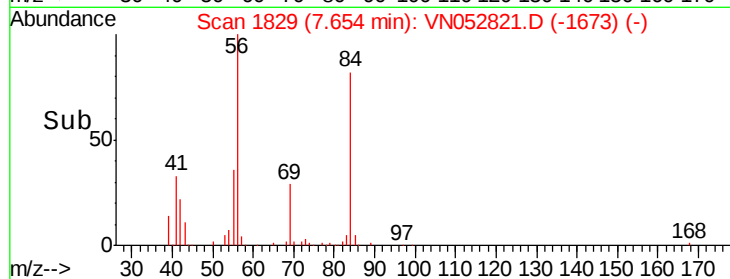
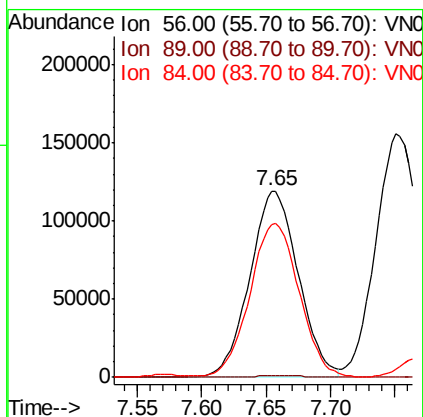
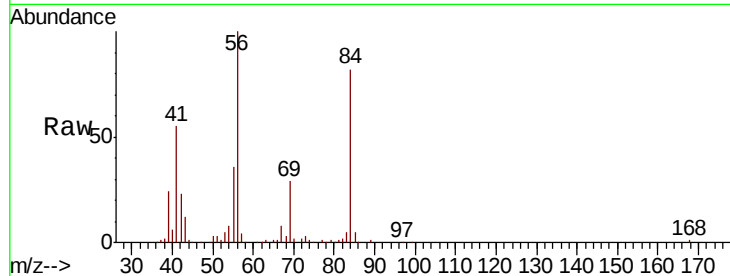




#26
Cyclohexane
Concen: 18.345 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN052821.D
Acq: 12 Dec 2018 12:29

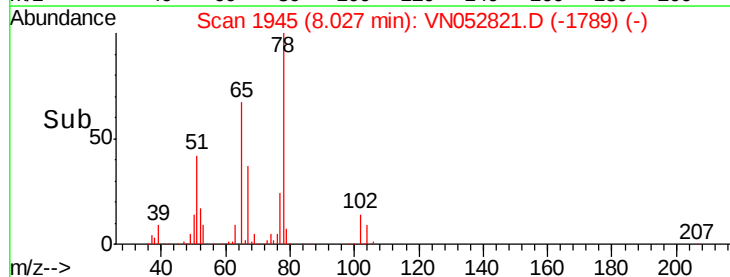
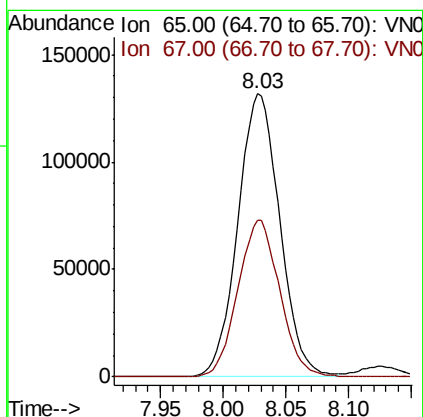
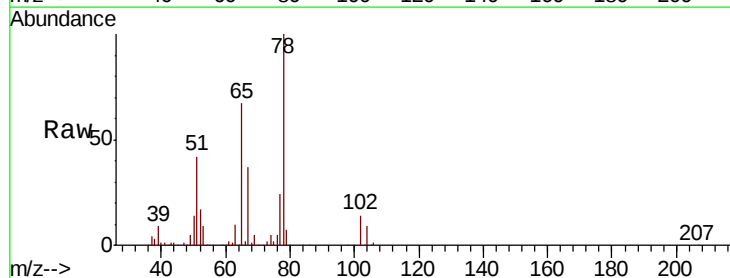
Instrument :
MSVOA_N
ClientSampleId :
VN1212WBSD01

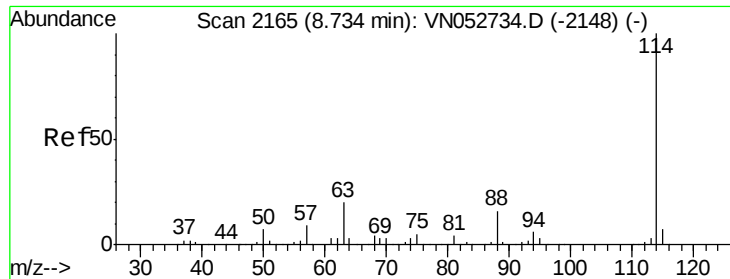
Tot Ion: 56 Resp: 312620
Ion Ratio Lower Upper
56 100
89 0.3 0.5 0.7#
84 84.0 66.2 99.2



#27
1,2-Dichloroethane-d4
Concen: 18.345 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN052821.D
Acq: 12 Dec 2018 12:29

Tgt Ion: 65 Resp: 306937
Ion Ratio Lower Upper
65 100
67 55.3 44.6 66.8

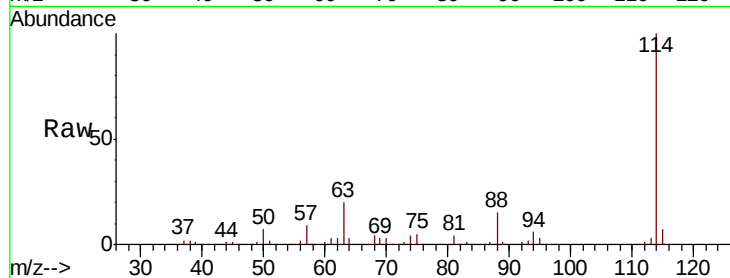




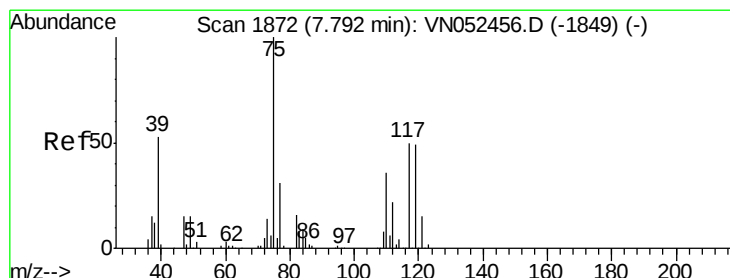
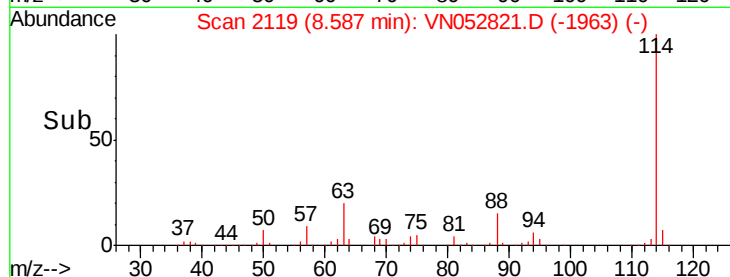
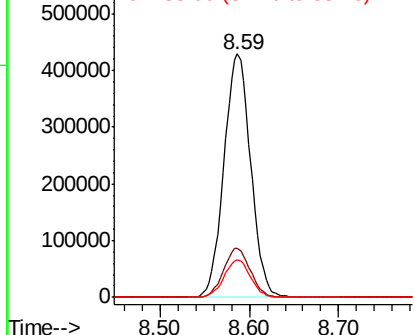
#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052821.D
 Acq: 12 Dec 2018 12:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1212WBSD01

Tot Ion:114 Resp: 888540
 Ion Ratio Lower Upper
 114 100
 63 20.1 16.9 25.3
 88 15.2 12.8 19.2

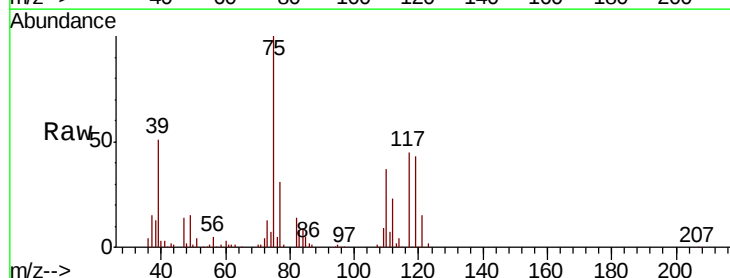


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 88.00 (87.70 to 88.70): V

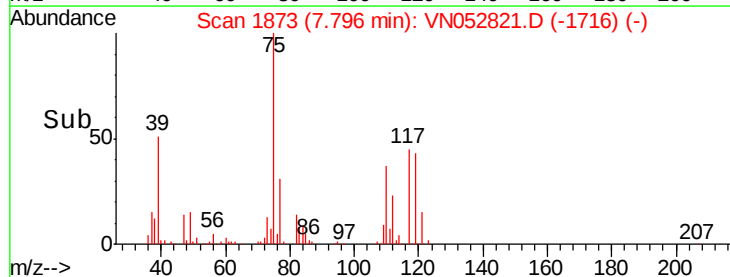
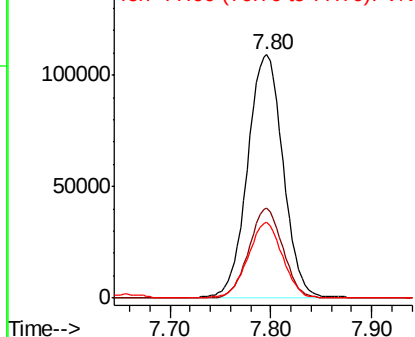


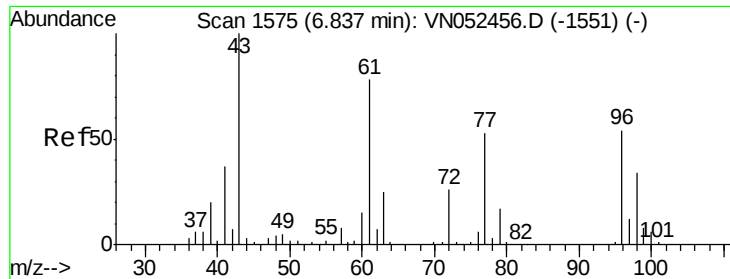
#29
 1,1-Dichloropropene
 Concen: 19.647 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN052821.D
 Acq: 12 Dec 2018 12:29

Tgt Ion: 75 Resp: 266589
 Ion Ratio Lower Upper
 75 100
 110 35.2 0.0 70.2
 77 30.6 0.0 62.6



Abundance Ion 75.00 (74.70 to 75.70): V
 Ion 110.00 (109.70 to 110.70): V
 Ion 77.00 (76.70 to 77.70): V

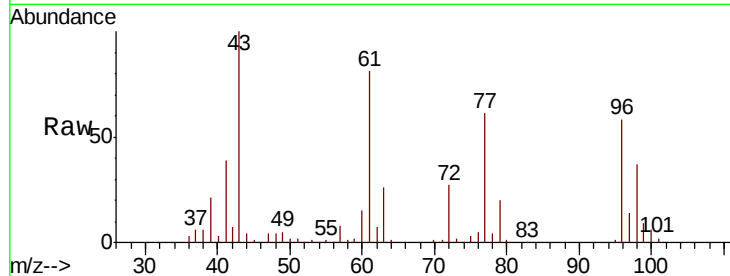




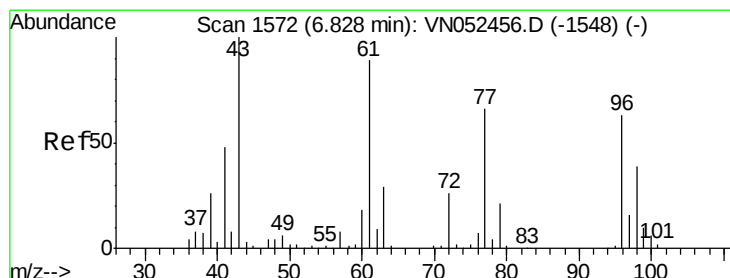
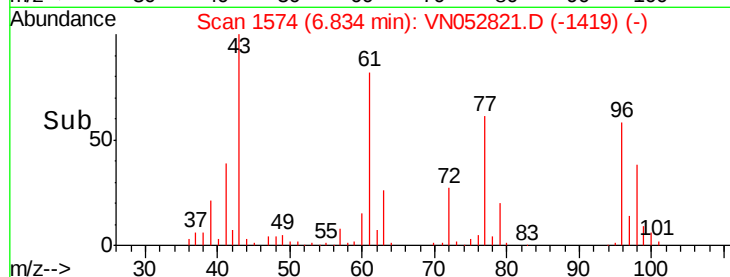
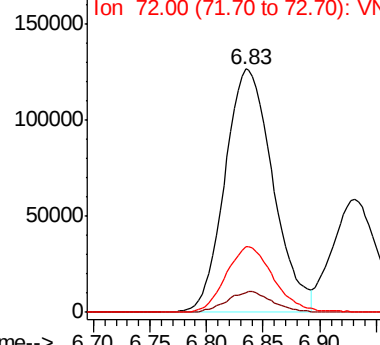
#30
2-Butanone
Concen: 102.914 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VN052821.D
Acq: 12 Dec 2018 12:29

Instrument :
MSVOA_N
ClientSampleId :
VN1212WBSD01

Tot Ion: 43 Resp: 373661
Ion Ratio Lower Upper
43 100
57 8.1 6.2 9.4
72 26.8 21.0 31.6

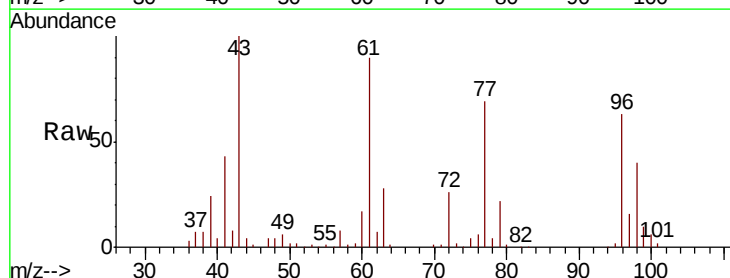


Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 57.00 (56.70 to 57.70): VNO
Ion 72.00 (71.70 to 72.70): VNO

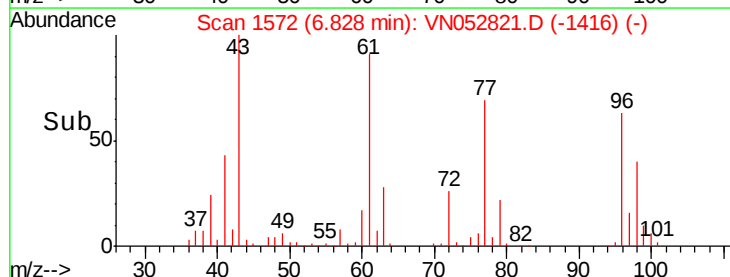
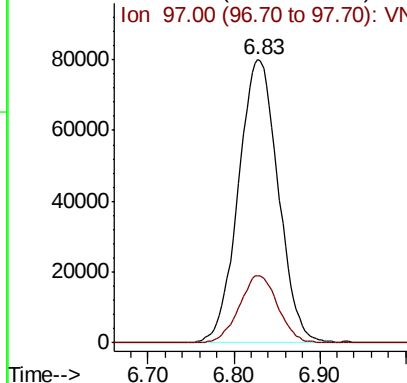


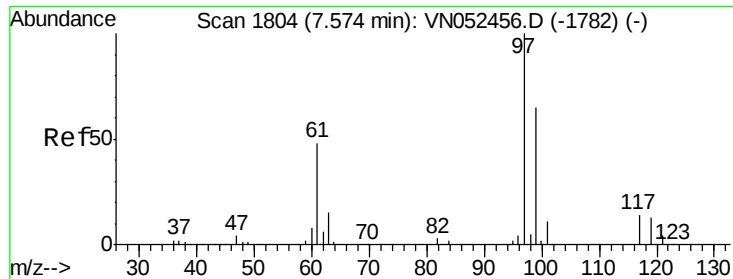
#31
2,2-Dichloropropane
Concen: 20.632 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN052821.D
Acq: 12 Dec 2018 12:29

Tgt Ion: 77 Resp: 257736
Ion Ratio Lower Upper
77 100
97 23.1 18.7 28.1



Abundance Ion 77.00 (76.70 to 77.70): VNO
Ion 97.00 (96.70 to 97.70): VNO





#32

1,1,1-Trichloroethane

Concen: 20.666 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN052821.D

Acq: 12 Dec 2018 12:29

Instrument :

MSVOA_N

ClientSampleId :

VN1212WBSD01

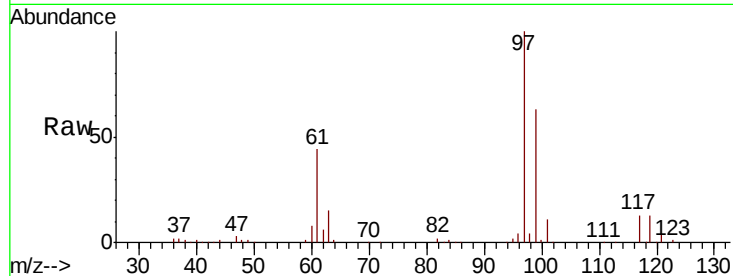
Tot Ion: 97 Resp: 291773

Ion Ratio Lower Upper

97 100

99 63.5 50.9 76.3

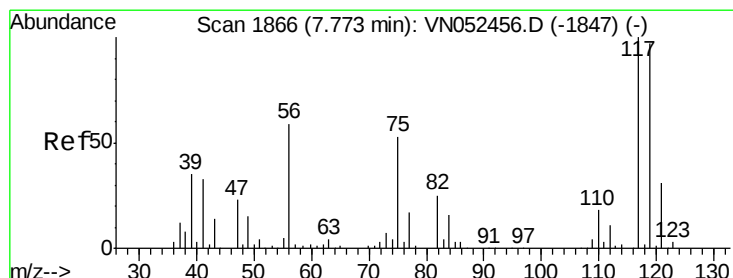
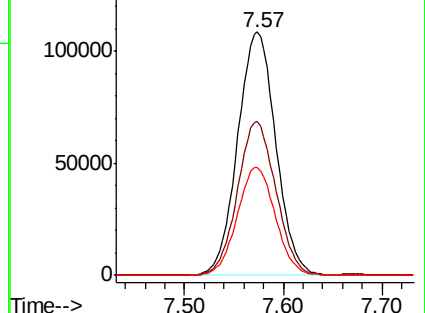
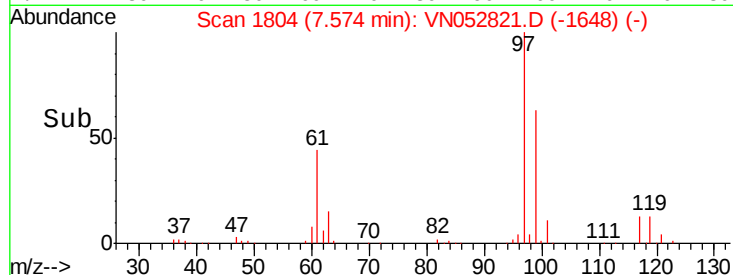
61 44.3 38.1 57.1



Abundance Ion 97.00 (96.70 to 97.70): VN052821.D (-1648) (-)

Ion 99.00 (98.70 to 99.70): VN052821.D (-1648) (-)

Ion 61.00 (60.70 to 61.70): VN052821.D (-1648) (-)



#33

Carbon Tetrachloride

Concen: 20.043 ug/l

RT: 7.78 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VN052821.D

Acq: 12 Dec 2018 12:29

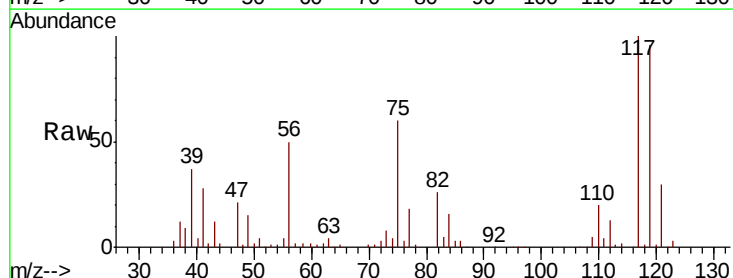
Tgt Ion: 117 Resp: 247602

Ion Ratio Lower Upper

117 100

119 95.6 77.3 115.9

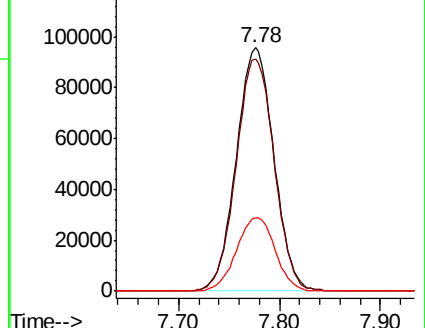
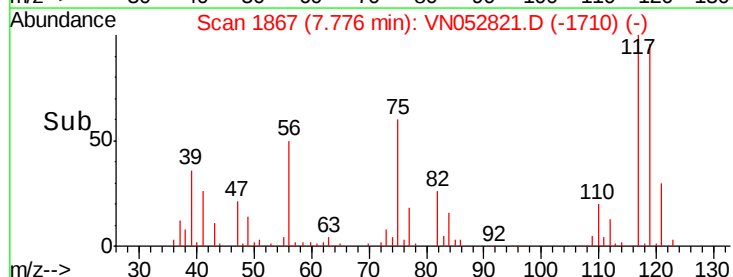
121 30.2 24.9 37.3

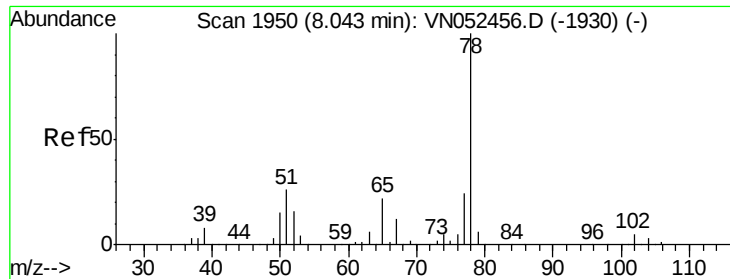


Abundance Ion 117.00 (116.70 to 117.70): VN052821.D (-1710) (-)

Ion 119.00 (118.70 to 119.70): VN052821.D (-1710) (-)

Ion 121.00 (120.70 to 121.70): VN052821.D (-1710) (-)





#34

Benzene

Concen: 19.976 ug/l

RT: 8.04 min Scan# 1950

Delta R.T. 0.00 min

Lab File: VN052821.D

Acq: 12 Dec 2018 12:29

Instrument :

MSVOA_N

ClientSampleId :

VN1212WBSD01

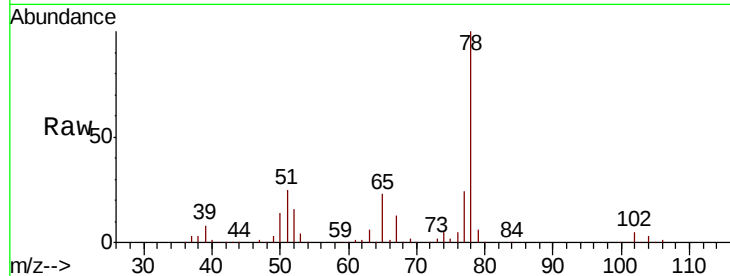
Tot Ion: 78 Resp: 814950

Ion Ratio Lower Upper

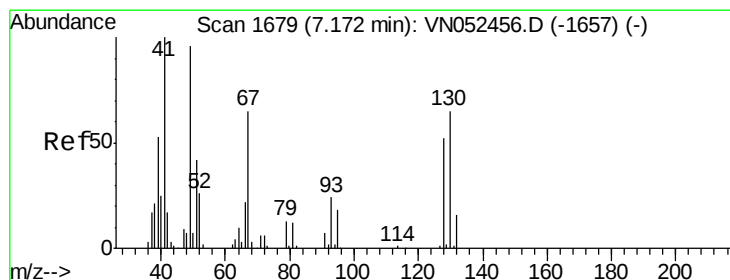
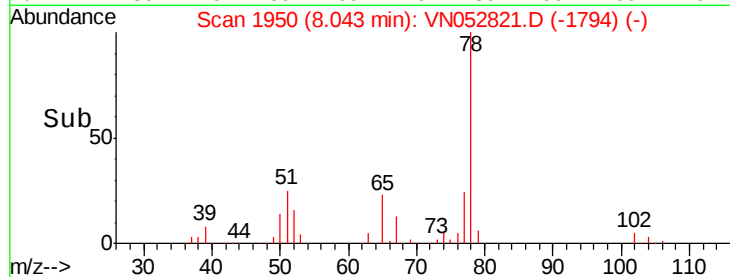
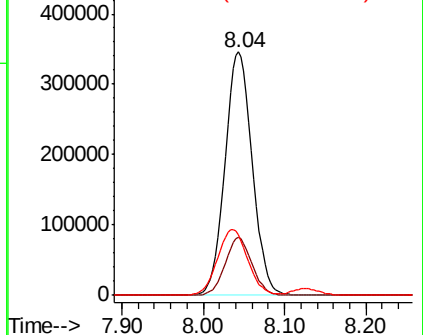
78 100

77 23.7 19.0 28.6

51 24.6 20.5 30.7



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



#35

Methacrylonitrile

Concen: 22.161 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. 0.00 min

Lab File: VN052821.D

Acq: 12 Dec 2018 12:29

Tgt Ion: 41 Resp: 99831

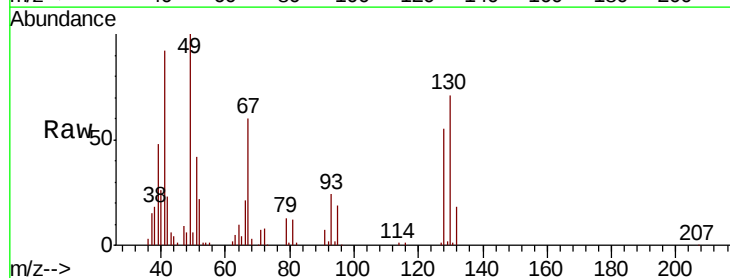
Ion Ratio Lower Upper

41 100

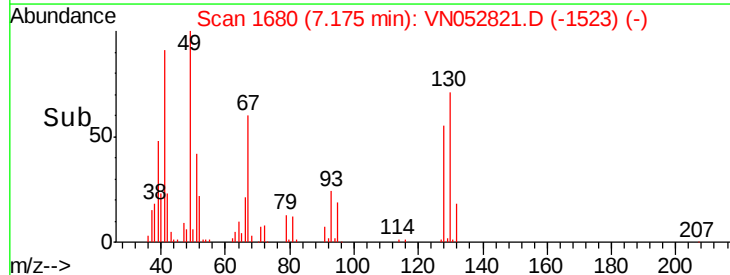
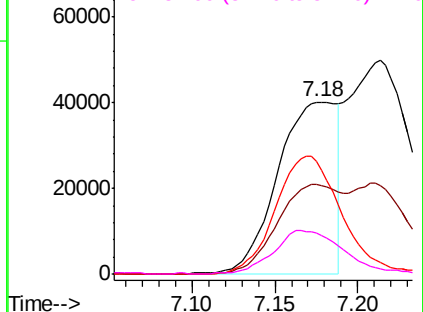
39 52.0 26.6 79.7

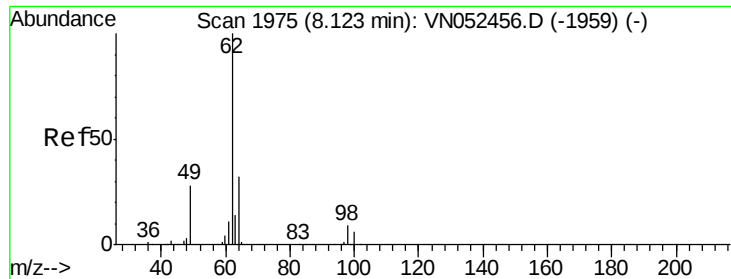
67 65.8 32.3 96.9

52 23.9 13.0 38.9



Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

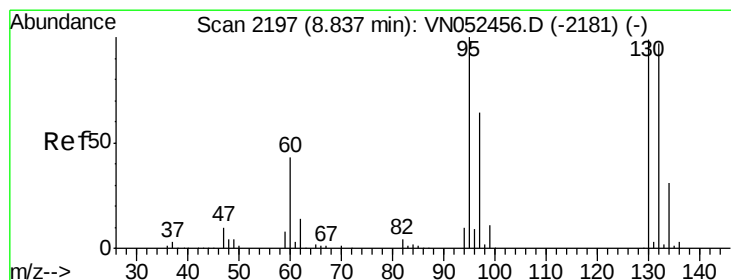
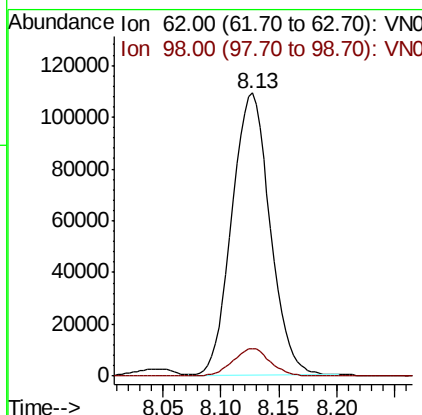
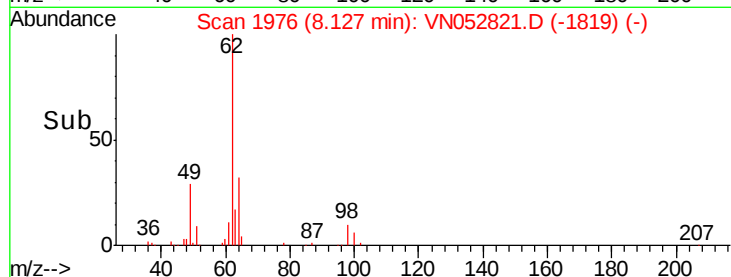
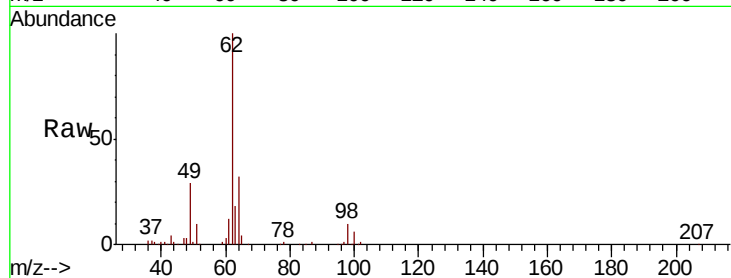




#36
 1,2-Dichloroethane
 Concen: 20.175 ug/l
 RT: 8.13 min Scan# 1976
 Delta R.T. 0.00 min
 Lab File: VN052821.D
 Acq: 12 Dec 2018 12:29

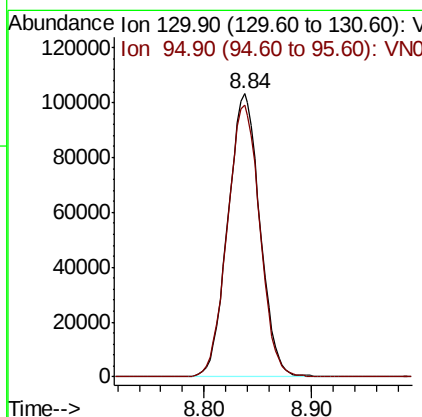
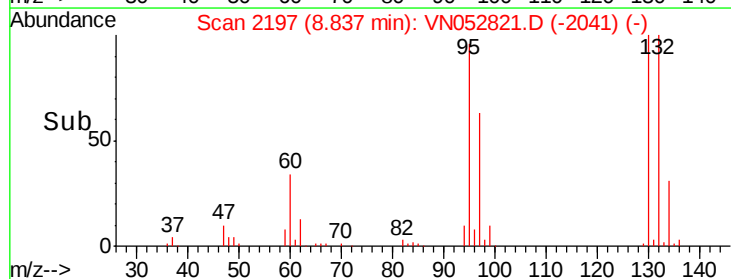
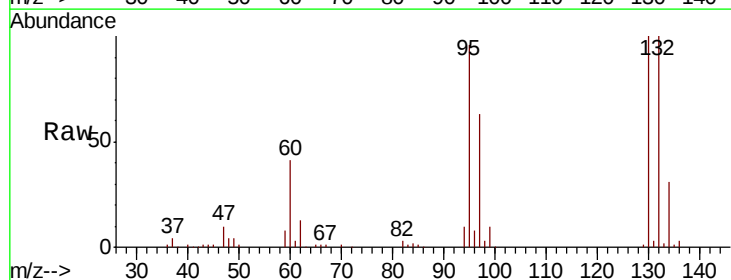
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1212WBSD01

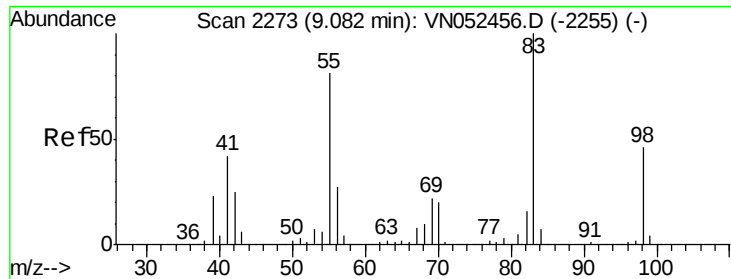
Tot Ion: 62 Resp: 249411
 Ion Ratio Lower Upper
 62 100
 98 9.7 7.4 11.2



#37
 Trichloroethene
 Concen: 20.634 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN052821.D
 Acq: 12 Dec 2018 12:29

Tgt Ion: 130 Resp: 213451
 Ion Ratio Lower Upper
 130 100
 95 96.0 81.0 121.4

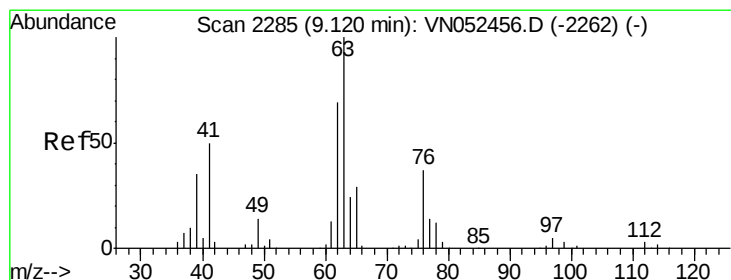
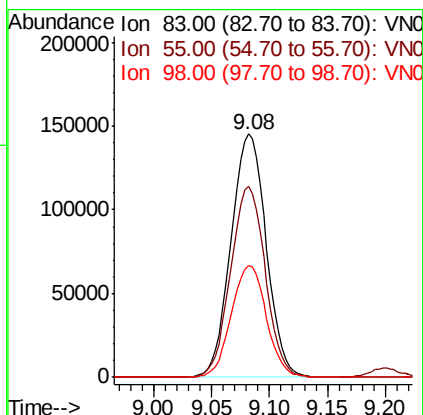
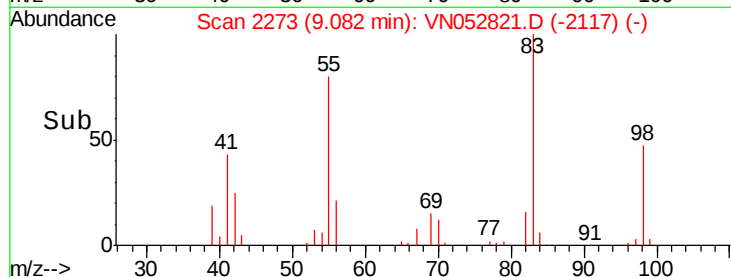
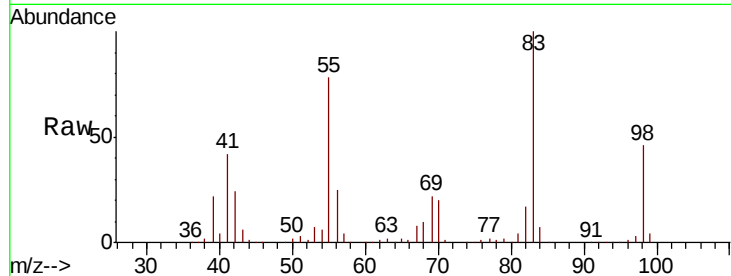




#38
Methylcyclohexane
Concen: 18.227 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN052821.D
Acq: 12 Dec 2018 12:29

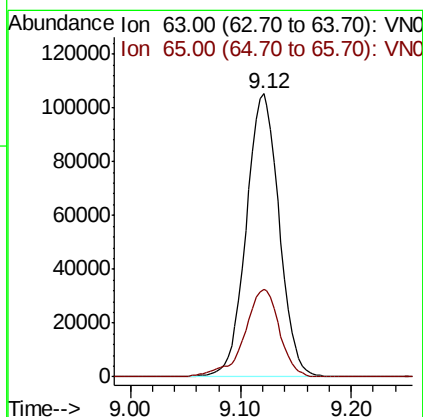
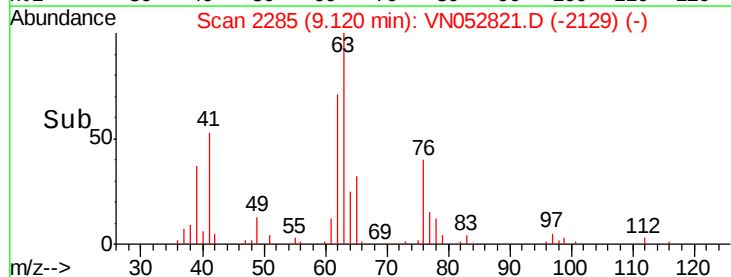
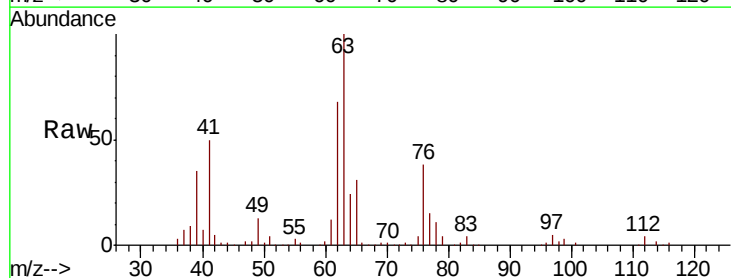
Instrument :
MSVOA_N
ClientSampleId :
VN1212WBSD01

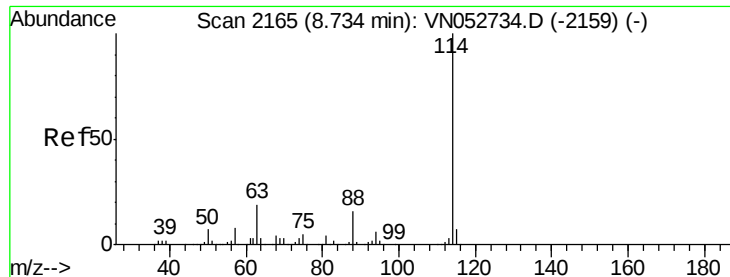
Tot Ion: 83 Resp: 306166
Ion Ratio Lower Upper
83 100
55 77.1 39.8 119.4
98 45.7 22.9 68.5



#39
1,2-Dichloropropane
Concen: 19.920 ug/l
RT: 9.12 min Scan# 2285
Delta R.T. 0.00 min
Lab File: VN052821.D
Acq: 12 Dec 2018 12:29

Tgt Ion: 63 Resp: 217835
Ion Ratio Lower Upper
63 100
65 30.7 23.6 35.4





#40

Dibromomethane

Concen: 20.910 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN052821.D

Acq: 12 Dec 2018 12:29

Instrument :

MSVOA_N

ClientSampleId :

VN1212WBSD01

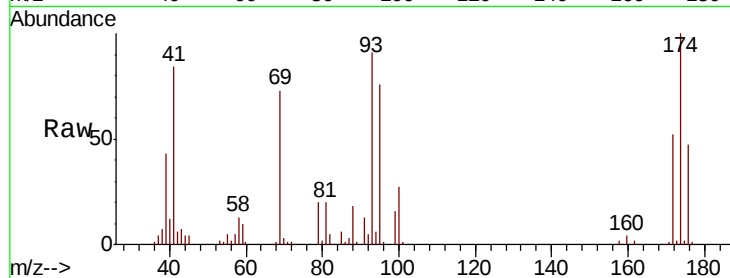
Tot Ion: 93 Resp: 123565

Ion Ratio Lower Upper

93 100

95 84.0 0.0 168.4

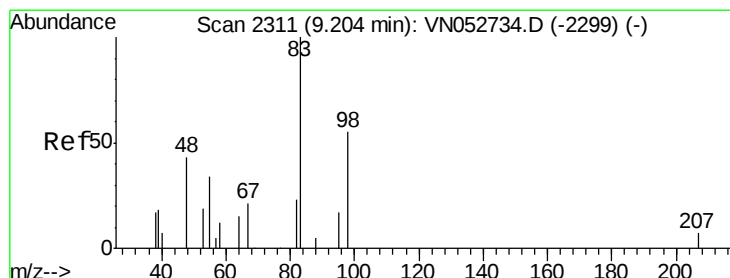
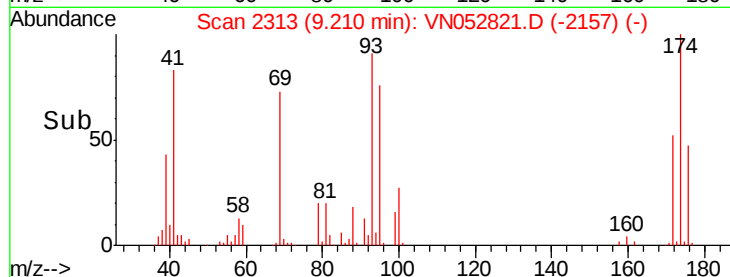
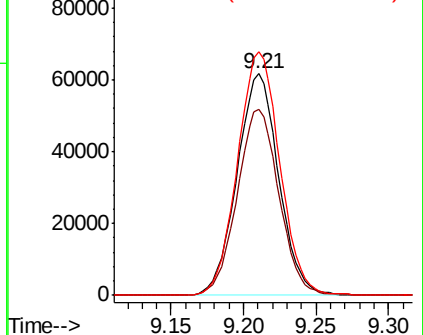
174 111.3 0.0 210.0



Abundance Ion 93.00 (92.70 to 93.70): VN052821.D (-2217) (-)

Ion 95.00 (94.70 to 95.70): VN052821.D (-2217) (-)

Ion 174.00 (173.70 to 174.70): VN052821.D (-2217) (-)



#41

Bromodichloromethane

Concen: 20.359 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN052821.D

Acq: 12 Dec 2018 12:29

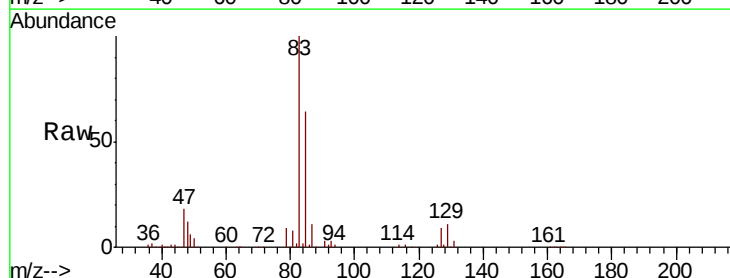
Tgt Ion: 83 Resp: 265812

Ion Ratio Lower Upper

83 100

85 64.3 52.4 78.6

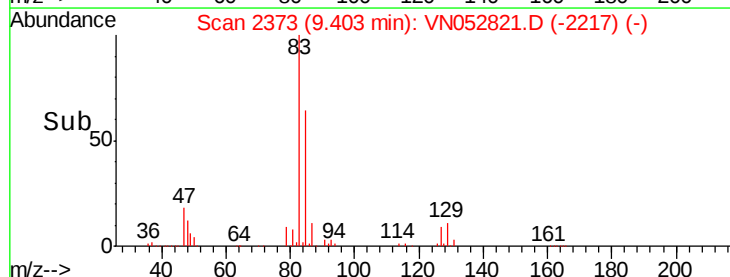
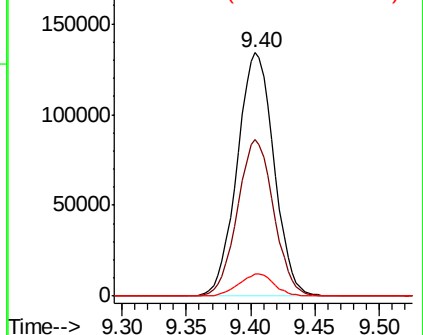
127 8.9 6.6 9.8

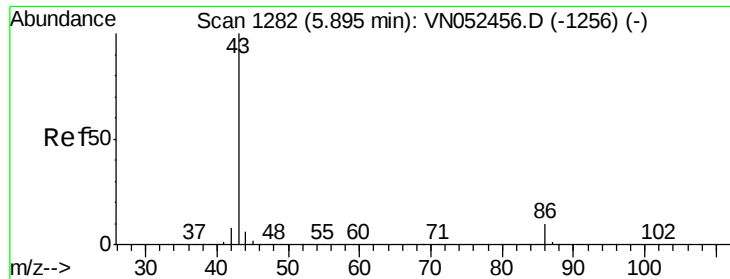


Abundance Ion 83.00 (82.70 to 83.70): VN052821.D (-2217) (-)

Ion 85.00 (84.70 to 85.70): VN052821.D (-2217) (-)

Ion 127.00 (126.70 to 127.70): VN052821.D (-2217) (-)

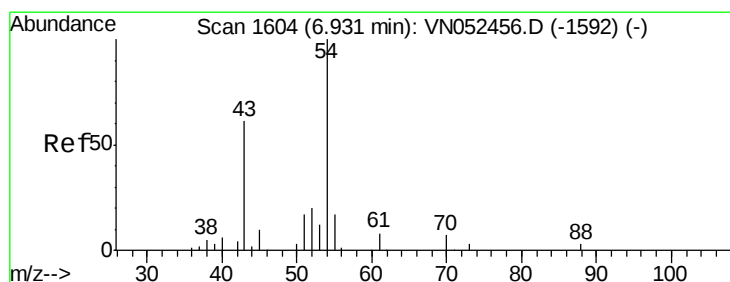
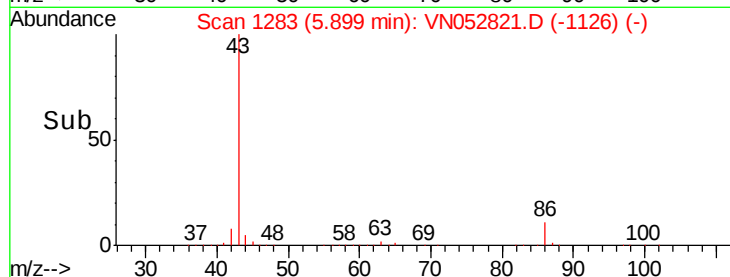
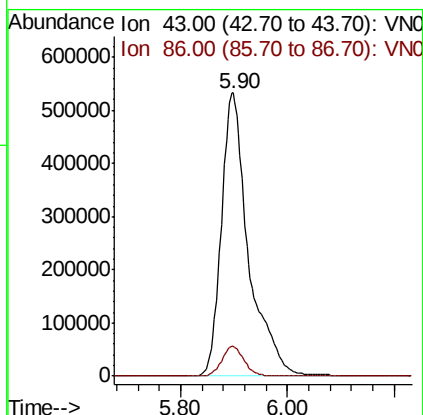
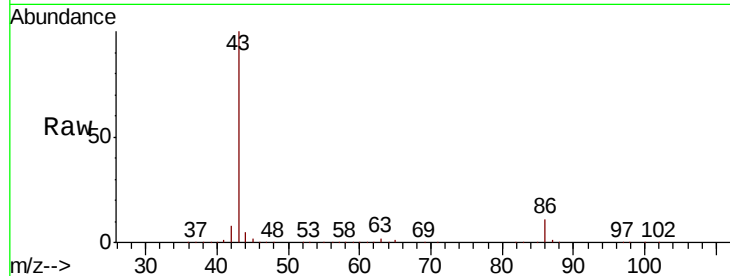




#42
 Vinyl Acetate
 Concen: 96.200 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VN052821.D
 Acq: 12 Dec 2018 12:29

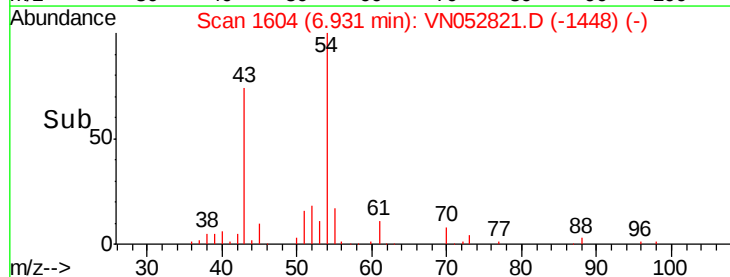
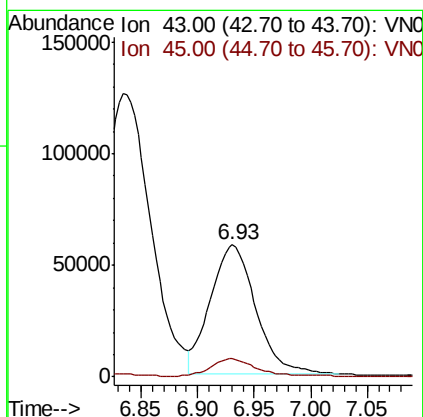
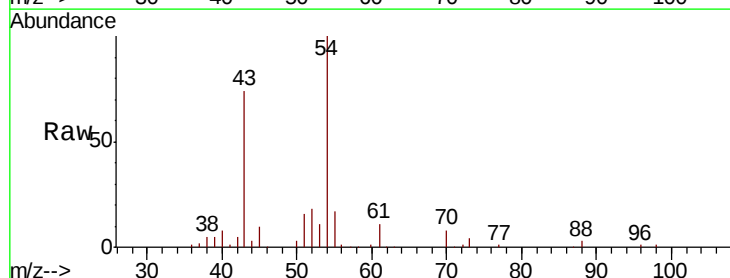
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1212WBSD01

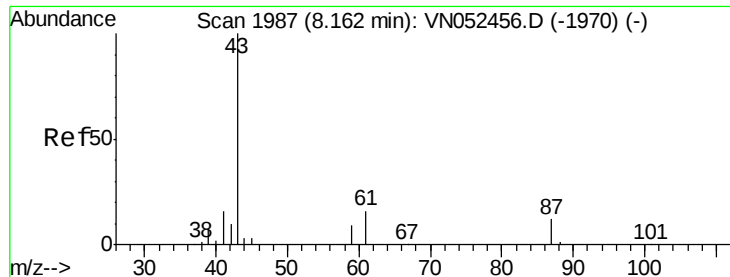
Tot Ion: 43 Resp: 1889859
 Ion Ratio Lower Upper
 43 100
 86 8.7 6.5 9.7



#43
 Ethyl Acetate
 Concen: 20.901 ug/l
 RT: 6.93 min Scan# 1604
 Delta R.T. 0.00 min
 Lab File: VN052821.D
 Acq: 12 Dec 2018 12:29

Tgt Ion: 43 Resp: 161365
 Ion Ratio Lower Upper
 43 100
 45 13.7 1.0 1.6#





#44

Isopropyl Acetate

Concen: 22.627 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN052821.D

Acq: 12 Dec 2018 12:29

Instrument :

MSVOA_N

ClientSampled :

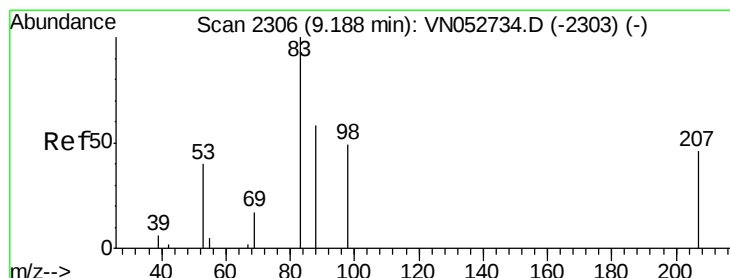
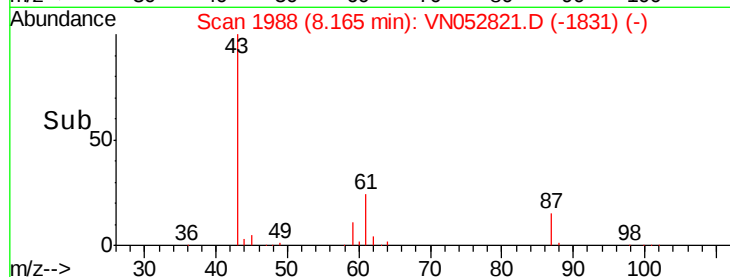
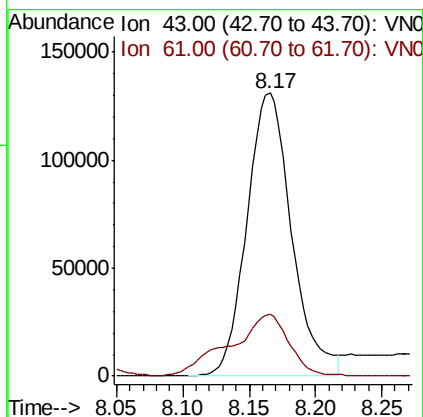
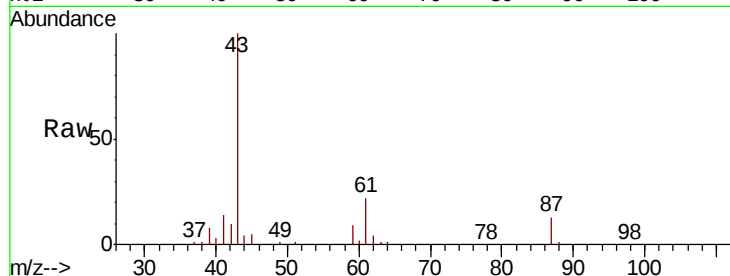
VN1212WBSD01

Tot Ion: 43 Resp: 306381

Ion Ratio Lower Upper

43 100

61 28.1 16.0 24.0#



#45

1,4-Dioxane

Concen: 459.349 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN052821.D

Acq: 12 Dec 2018 12:29

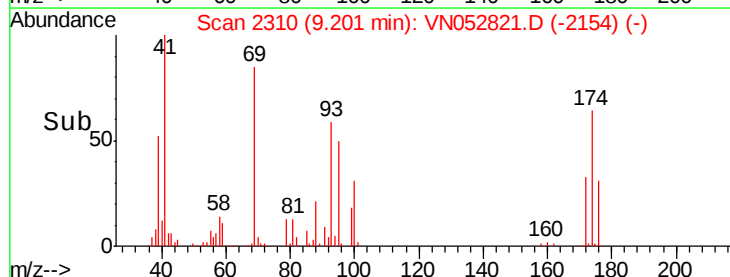
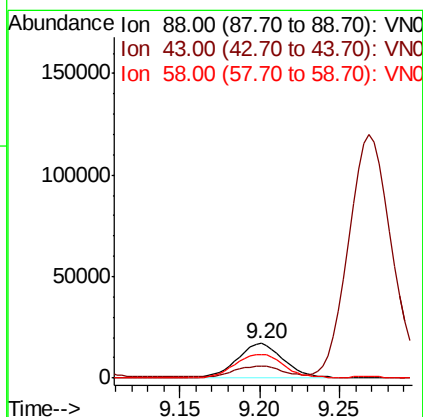
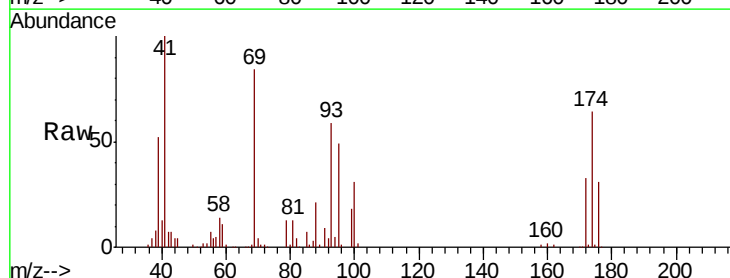
Tgt Ion: 88 Resp: 34026

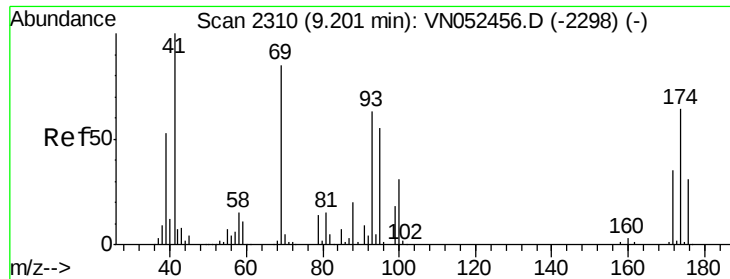
Ion Ratio Lower Upper

88 100

43 31.9 29.5 44.3

58 72.4 61.5 92.3

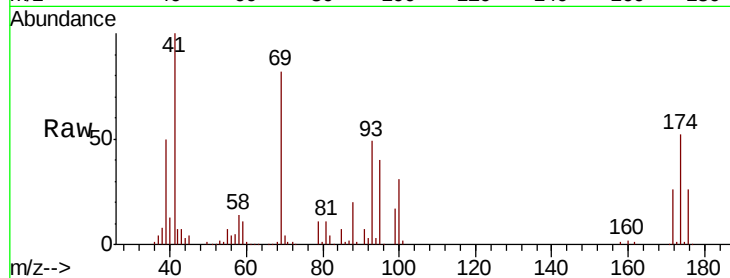




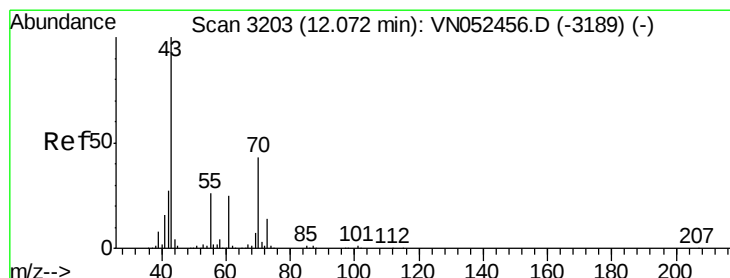
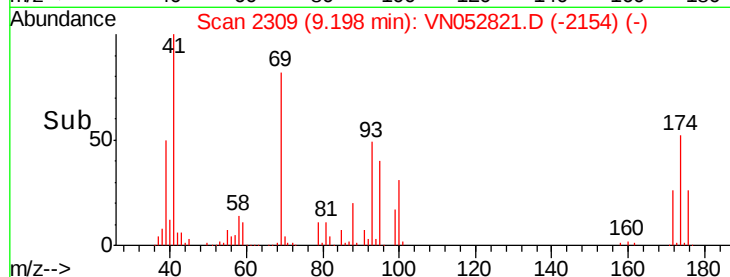
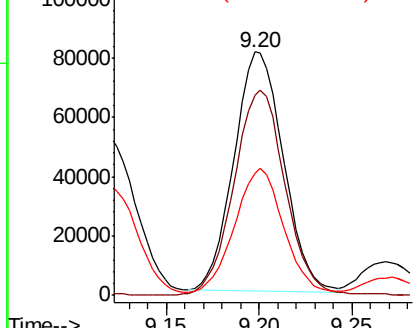
#46
Methvl methacrylate
Concen: 21.271 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN052821.D
Acq: 12 Dec 2018 12:29

Instrument :
MSVOA_N
ClientSampled :
VN1212WBSD01

Tot Ion: 41 Resp: 149542
Ion Ratio Lower Upper
41 100
69 82.8 42.5 127.6
39 50.1 26.3 78.9

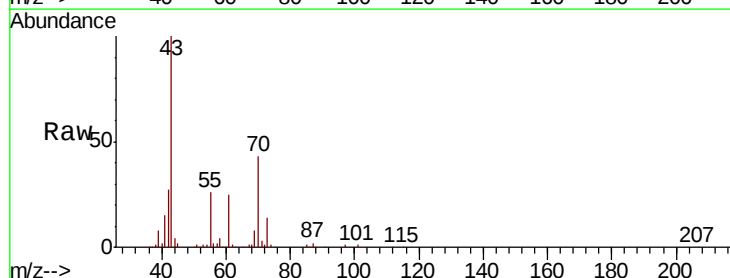


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

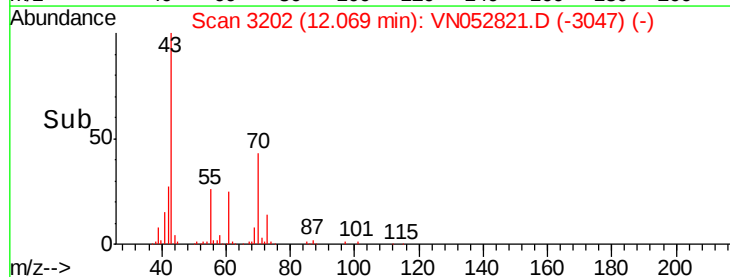
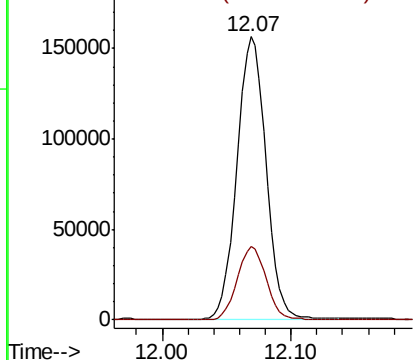


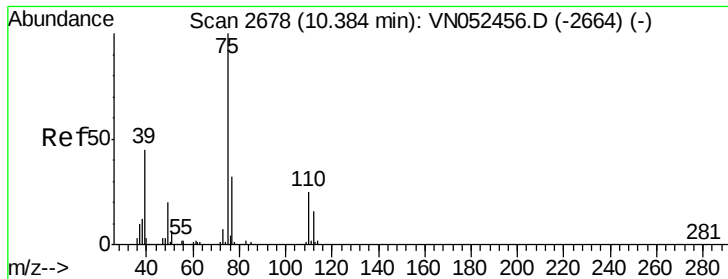
#47
n-amy1 Acetate
Concen: 21.826 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. -0.00 min
Lab File: VN052821.D
Acq: 12 Dec 2018 12:29

Tgt Ion: 43 Resp: 245039
Ion Ratio Lower Upper
43 100
55 26.1 21.1 31.7



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 55.00 (54.70 to 55.70): VN0





#48

t-1,3-Dichloropropene

Concen: 20.228 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN052821.D

Acq: 12 Dec 2018 12:29

Instrument :

MSVOA_N

ClientSampleId :

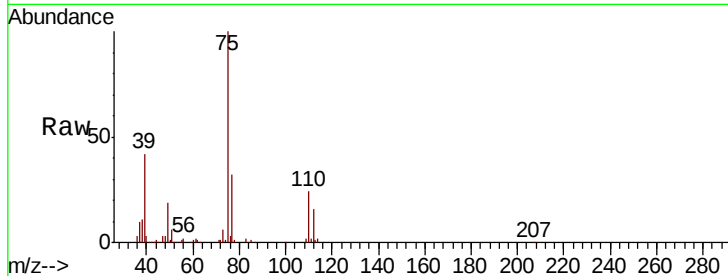
VN1212WBSD01

Tot Ion: 75 Resp: 256082

Ion Ratio Lower Upper

75 100

77 31.6 25.6 38.4



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

10.38

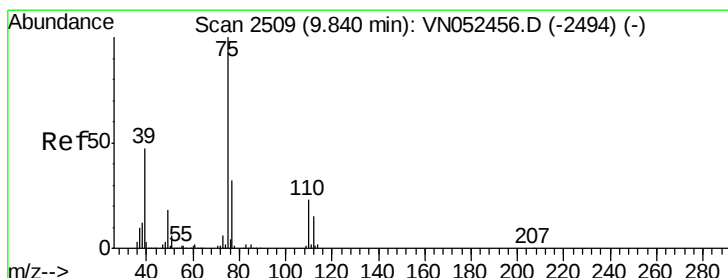
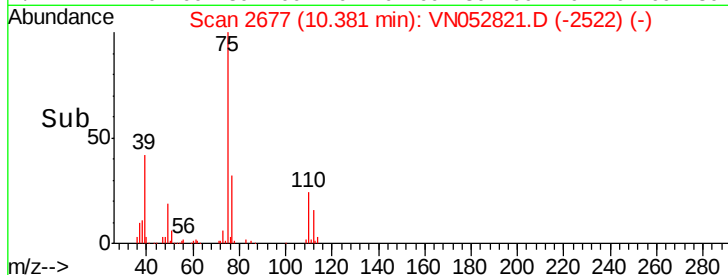
150000

100000

50000

0

Time-->



#49

cis-1,3-Dichloropropene

Concen: 19.774 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN052821.D

Acq: 12 Dec 2018 12:29

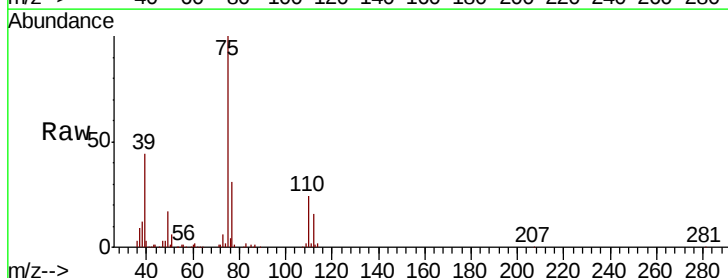
Tgt Ion: 75 Resp: 304992

Ion Ratio Lower Upper

75 100

77 31.5 25.4 38.0

39 43.9 37.3 55.9



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.84

200000

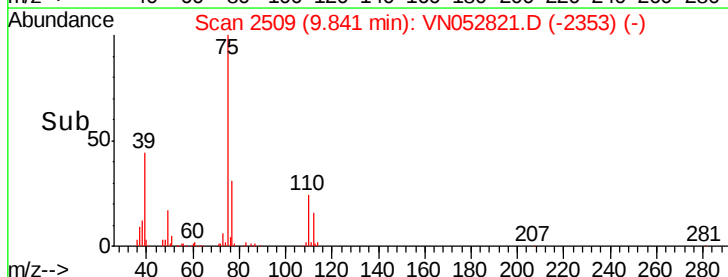
150000

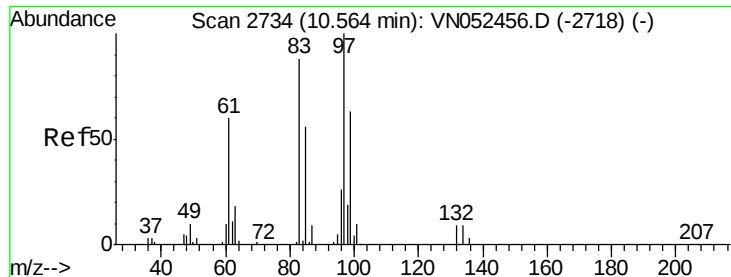
100000

50000

0

Time-->

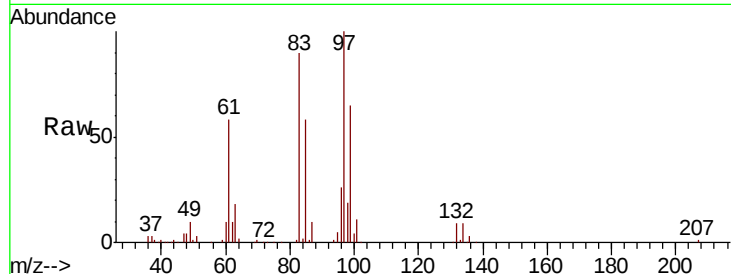




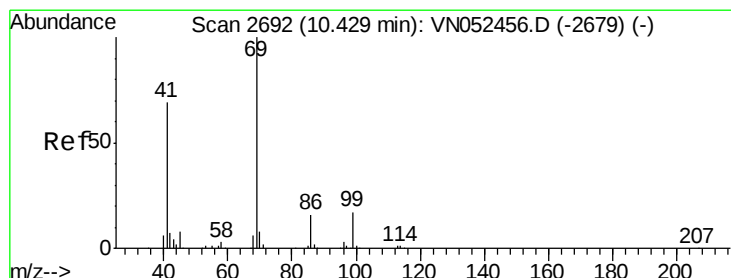
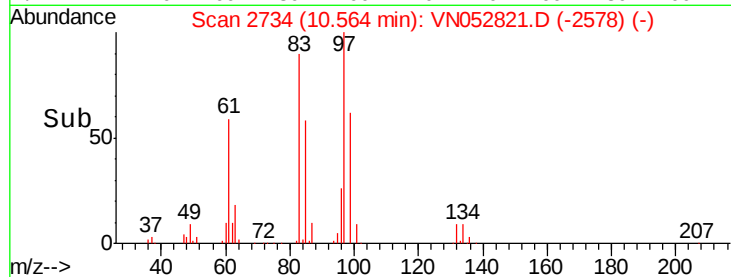
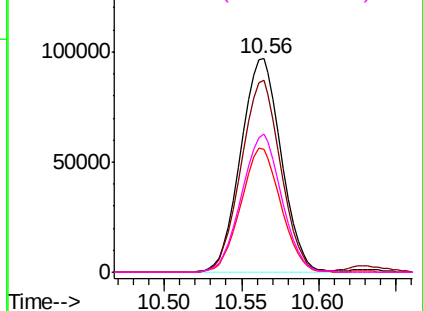
#50
 1,1,2-Trichloroethane
 Concen: 21.176 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN052821.D
 Acq: 12 Dec 2018 12:29

Instrument :
 MSVOA_N
 ClientSampled :
 VN1212WBSD01

Tot Ion	Ratio	Lower	Upper
97	100		
83	89.6	70.4	105.6
85	57.8	45.0	67.6
99	64.5	50.2	75.2

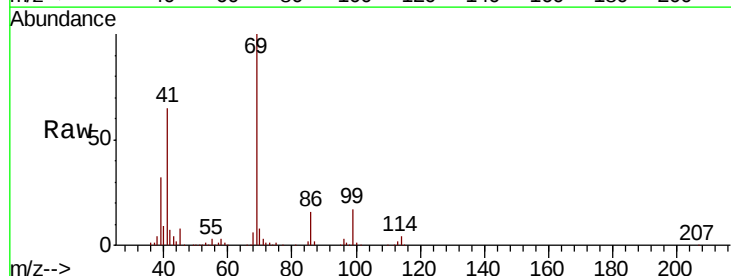


Abundance Ion 97.00 (96.70 to 97.70): VN0
 Ion 82.95 (82.65 to 83.65): VN0
 Ion 84.95 (84.65 to 85.65): VN0
 Ion 98.95 (98.65 to 99.65): VN0

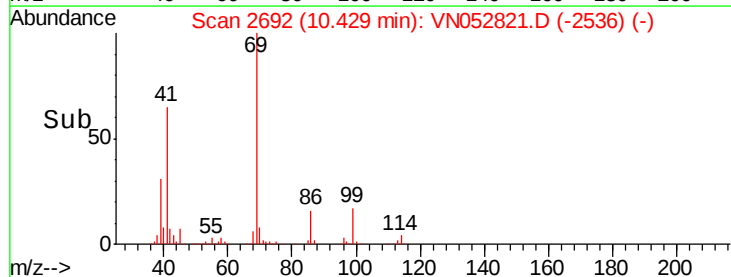
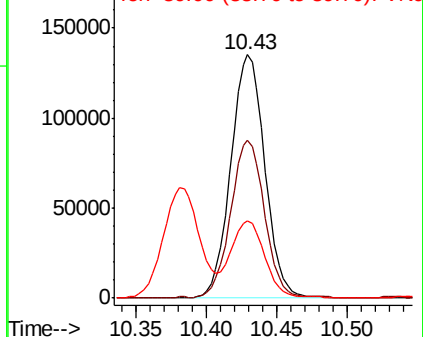


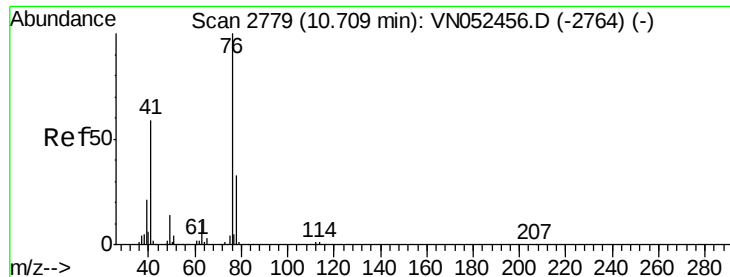
#51
 Ethyl methacrylate
 Concen: 21.740 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN052821.D
 Acq: 12 Dec 2018 12:29

Tgt Ion	Ratio	Lower	Upper
69	100		
41	64.6	34.4	103.3
39	31.4	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: 20.451 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN052821.D

Acq: 12 Dec 2018 12:29

Instrument :

MSVOA_N

ClientSampleId :

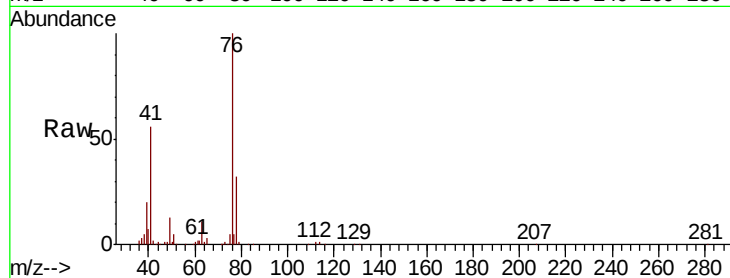
VN1212WBSD01

Tot Ion: 76 Resp: 304927

Ion Ratio Lower Upper

76 100

78 32.4 0.0 64.8



Abundance Ion 76.00 (75.70 to 76.70): VN052456.D (-2764) (-)

Ion 78.00 (77.70 to 78.70): VN052456.D (-2764) (-)

10.71

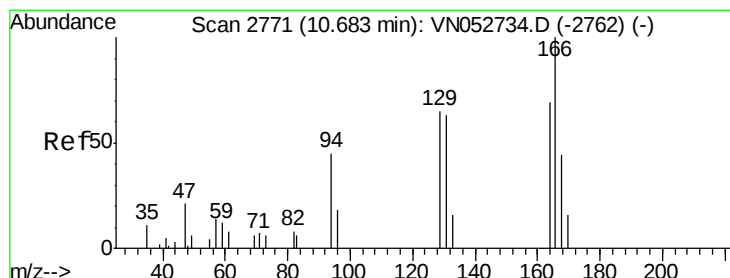
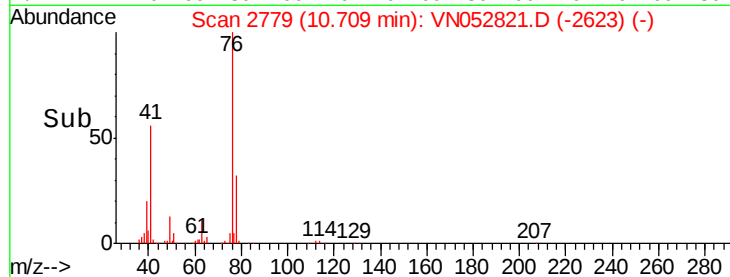
150000

100000

50000

0

Time-->



#53

Dibromochloromethane

Concen: 20.946 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN052821.D

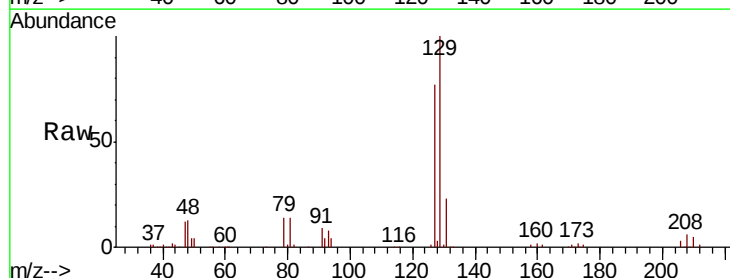
Acq: 12 Dec 2018 12:29

Tgt Ion: 129 Resp: 193173

Ion Ratio Lower Upper

129 100

127 76.5 37.6 112.8



Abundance Ion 129.00 (128.70 to 129.70): VN052734.D (-2762) (-)

Ion 127.00 (126.70 to 127.70): VN052734.D (-2762) (-)

10.90

120000

100000

80000

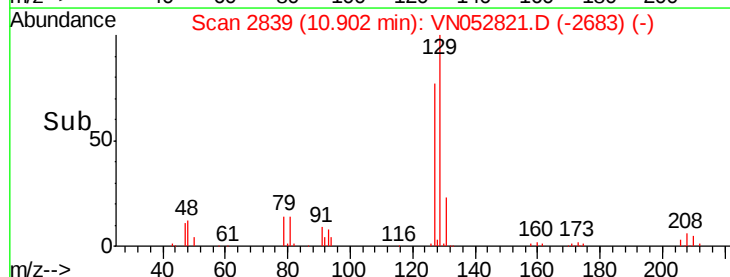
60000

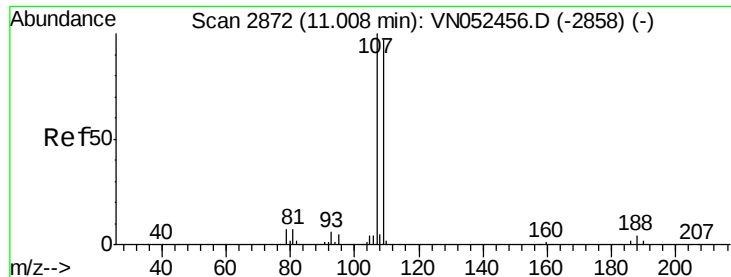
40000

20000

0

Time-->

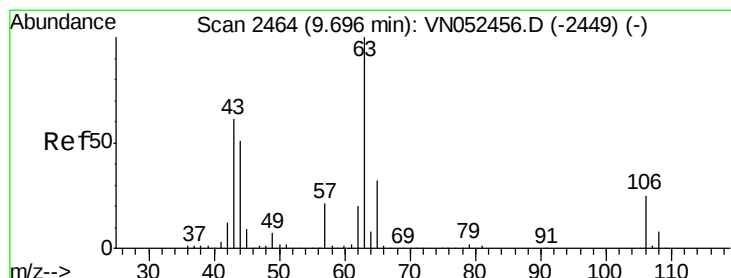
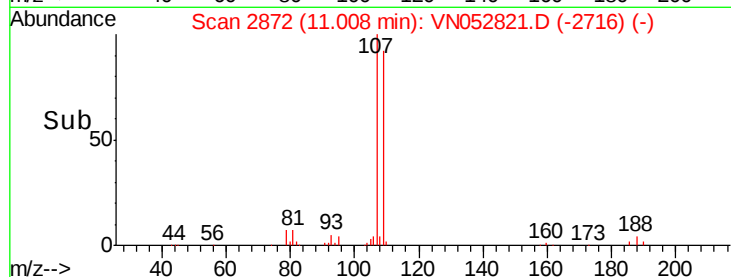
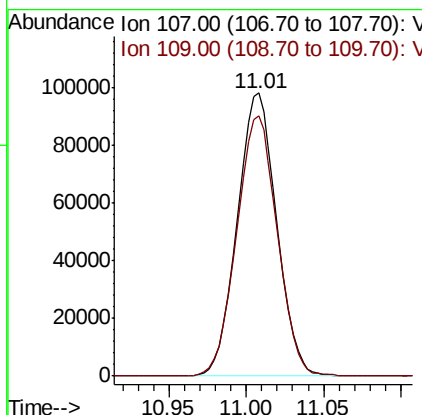
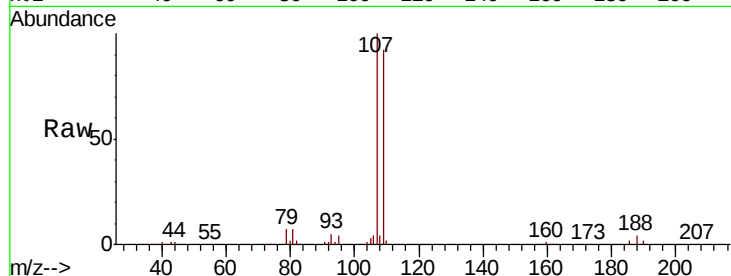




#54
 1,2-Dibromoethane
 Concen: 21.224 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN052821.D
 Acq: 12 Dec 2018 12:29

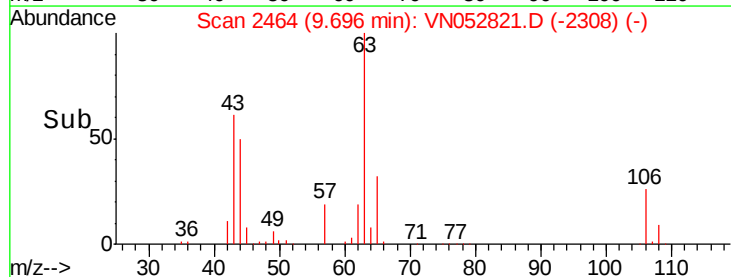
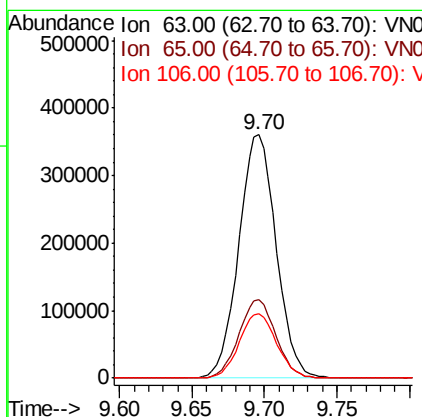
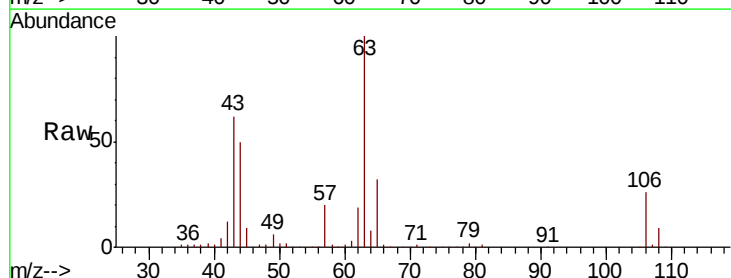
Instrument :
 MSVOA_N
 ClientSampled :
 VN1212WBSD01

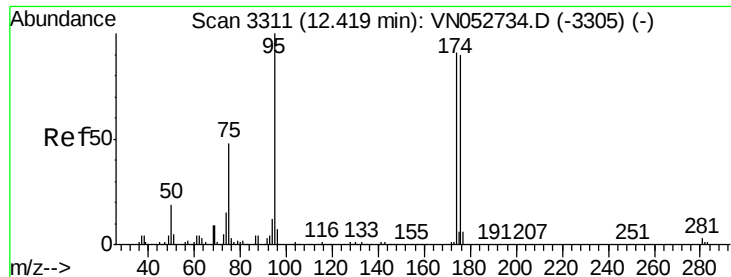
Tot Ion:107 Resp: 173727
 Ion Ratio Lower Upper
 107 100
 109 94.6 77.1 115.7



#55
 2-Chloroethyl vinyl ether
 Concen: 104.780 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN052821.D
 Acq: 12 Dec 2018 12:29

Tgt Ion: 63 Resp: 645267
 Ion Ratio Lower Upper
 63 100
 65 31.9 25.4 38.2
 106 26.6 20.4 30.6





#56

Bromoform

Concen: 21.266 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN052821.D

Acq: 12 Dec 2018 12:29

Instrument :

MSVOA_N

ClientSampleId :

VN1212WBSD01

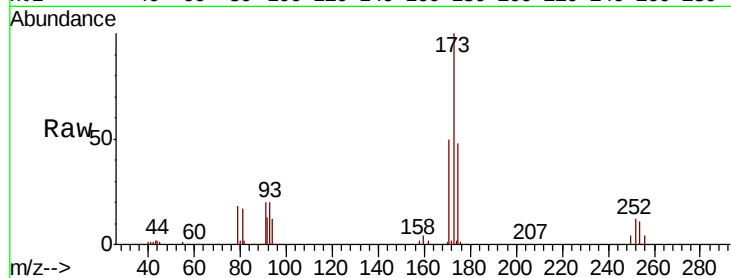
Tot Ion:173 Resp: 128192

Ion Ratio Lower Upper

173 100

175 48.2 38.7 58.1

254 9.7 8.4 12.6

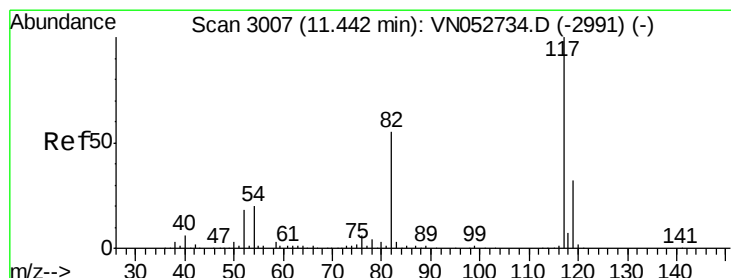
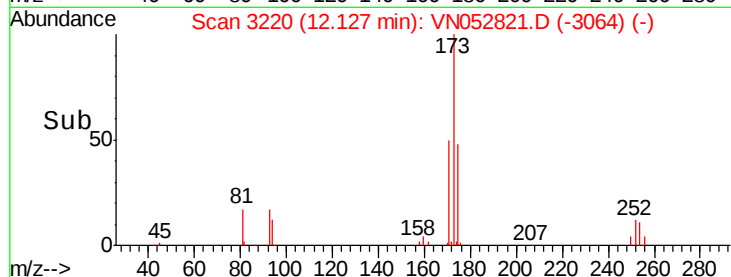
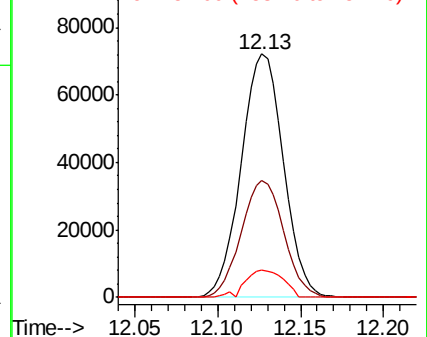


Abundance

Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN052821.D

Acq: 12 Dec 2018 12:29

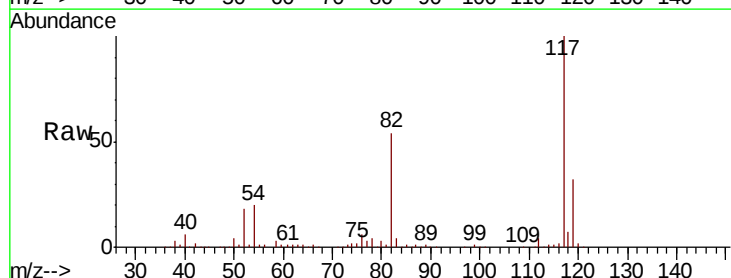
Tgt Ion:117 Resp: 778996

Ion Ratio Lower Upper

117 100

82 53.6 44.2 66.2

119 32.2 25.4 38.2

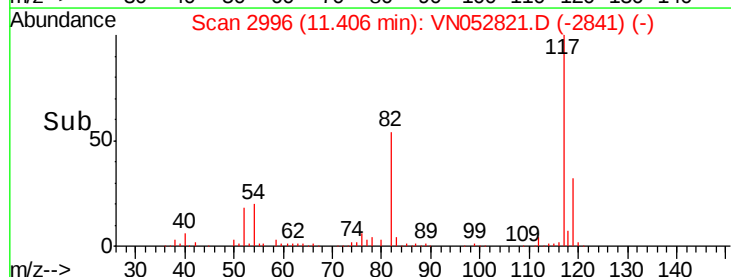
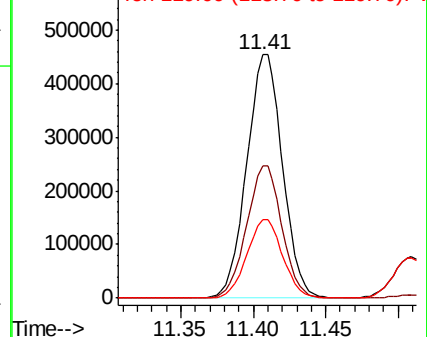


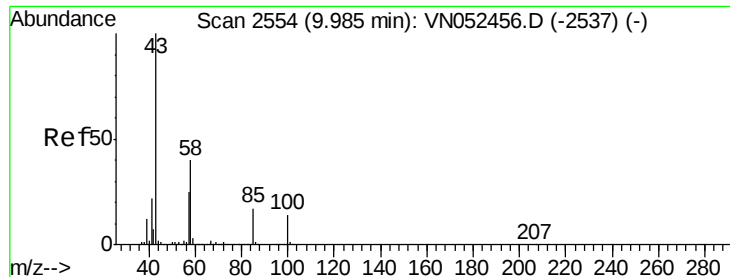
Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): V

Ion 119.00 (118.70 to 119.70): V

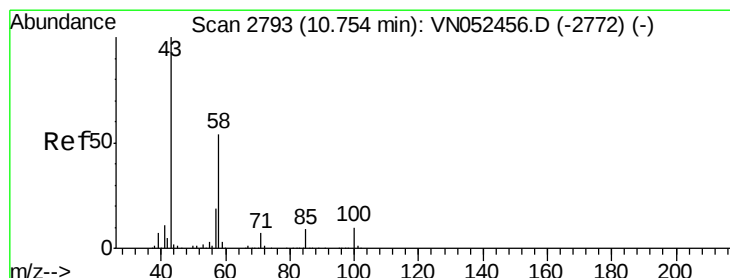
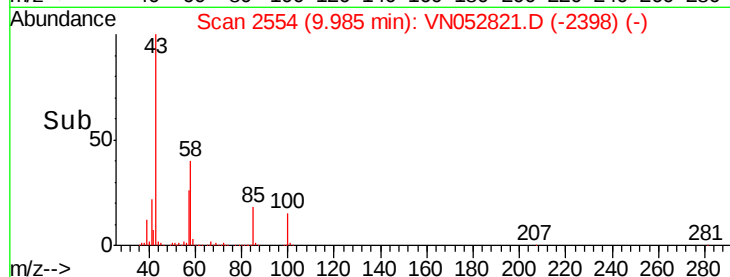
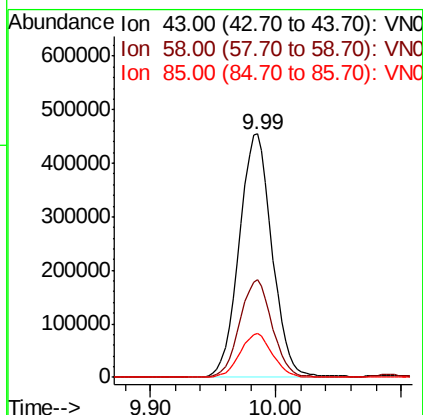
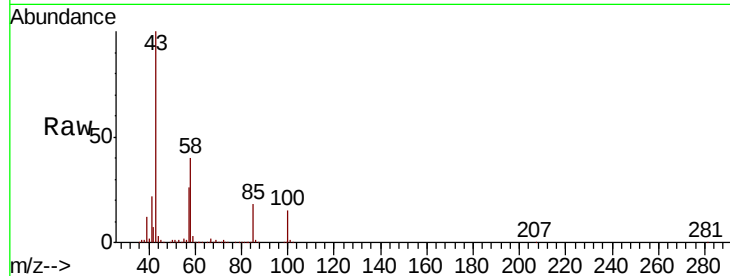




#58
 4-Methyl-2-Pentanone
 Concen: 109.157 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. 0.00 min
 Lab File: VN052821.D
 Acq: 12 Dec 2018 12:29

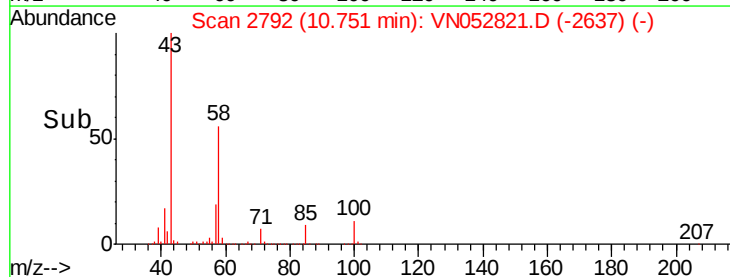
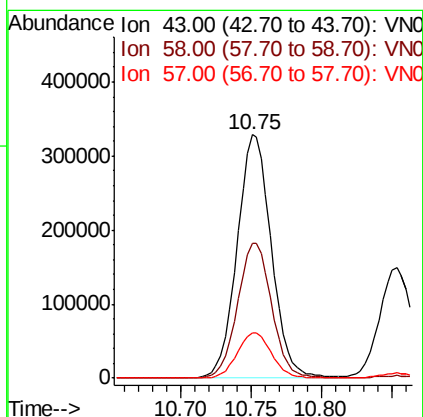
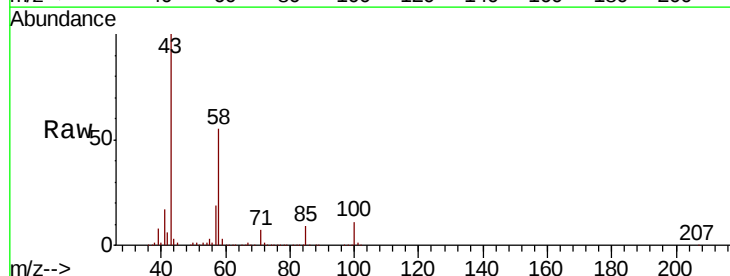
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1212WBSD01

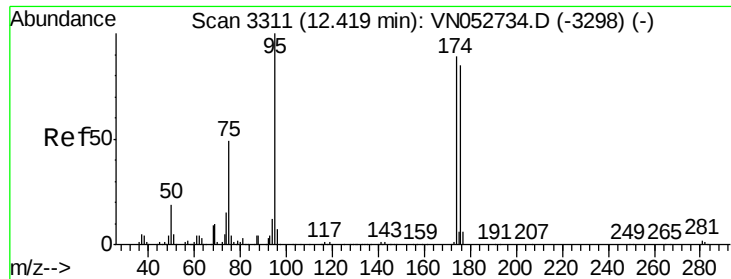
Tot Ion	Ratio	Lower	Upper
43	100		
58	39.9	31.6	47.4
85	17.8	13.3	19.9



#59
 2-Hexanone
 Concen: 108.034 ug/l
 RT: 10.75 min Scan# 2792
 Delta R.T. -0.00 min
 Lab File: VN052821.D
 Acq: 12 Dec 2018 12:29

Tgt Ion	Ratio	Lower	Upper
43	100		
58	55.6	43.2	64.8
57	19.0	14.9	22.3





#60

4-Bromofluorobenzene

Concen: 108.034 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN052821.D

Acq: 12 Dec 2018 12:29

Instrument :

MSVOA_N

ClientSampleId :

VN1212WBSD01

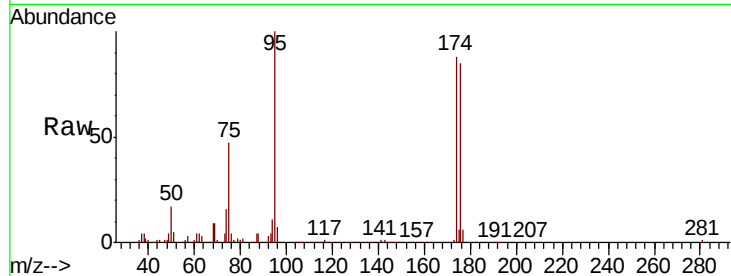
Tot Ion: 95 Resp: 361067

Ion Ratio Lower Upper

95 100

174 88.3 67.9 101.9

176 85.1 66.4 99.6

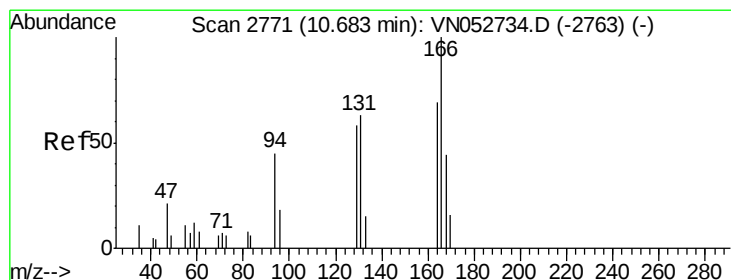
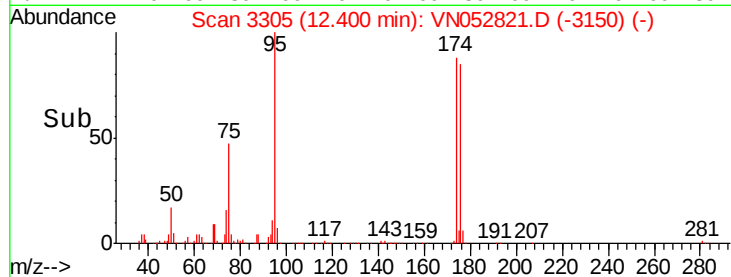
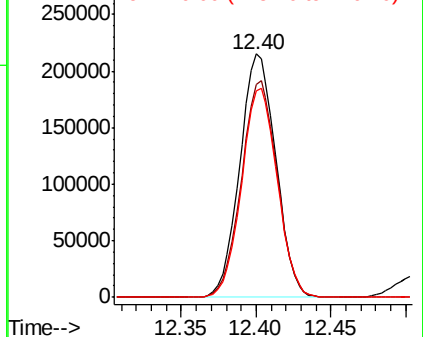


Abundance

Ion 95.00 (94.70 to 95.70): VN052821.D (-3150) (-)

Ion 174.00 (173.70 to 174.70): VN052821.D (-3150) (-)

Ion 176.00 (175.70 to 176.70): VN052821.D (-3150) (-)



#61

Tetrachloroethene

Concen: 23.407 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN052821.D

Acq: 12 Dec 2018 12:29

Tgt Ion: 164 Resp: 224573

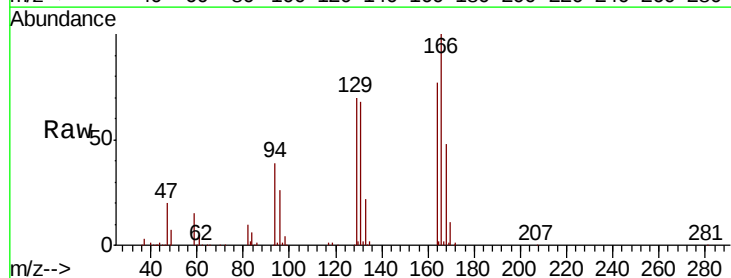
Ion Ratio Lower Upper

164 100

166 129.6 104.6 157.0

129 91.0 75.3 112.9

131 88.1 74.3 111.5



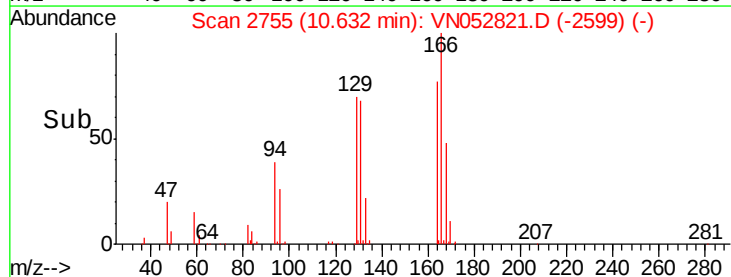
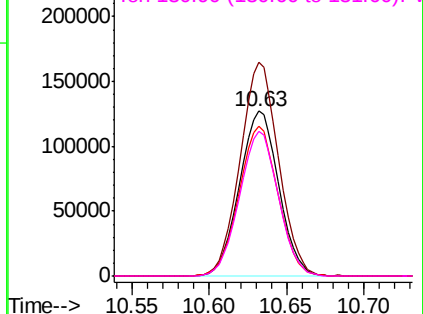
Abundance

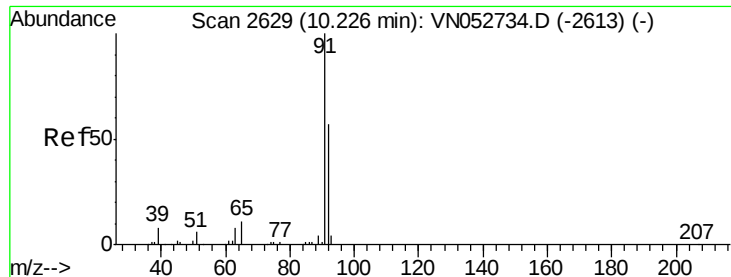
Ion 163.85 (163.55 to 164.55): VN052821.D (-2599) (-)

Ion 165.80 (165.50 to 166.50): VN052821.D (-2599) (-)

Ion 128.90 (128.60 to 129.60): VN052821.D (-2599) (-)

Ion 130.90 (130.60 to 131.60): VN052821.D (-2599) (-)





#62

Toluene

Concen: 20.097 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN052821.D

Acq: 12 Dec 2018 12:29

Instrument :

MSVOA_N

ClientSampled :

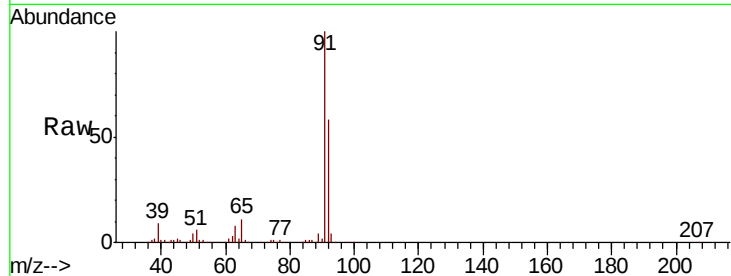
VN1212WBSD01

Tot Ion: 91 Resp: 863024

Ion Ratio Lower Upper

91 100

92 57.2 45.4 68.2



Abundance Ion 91.00 (90.70 to 91.70): VN052734.D (-2613) (-)

Ion 92.00 (91.70 to 92.70): VN052734.D (-2613) (-)

10.16

500000

400000

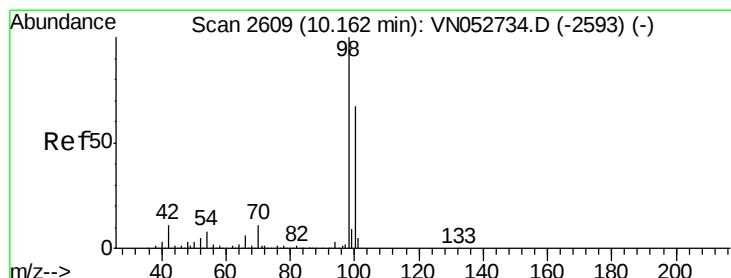
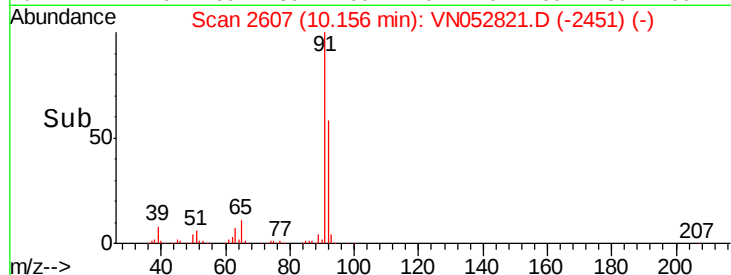
300000

200000

100000

0

Time-->



#63

Toluene-d8

Concen: 20.097 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052821.D

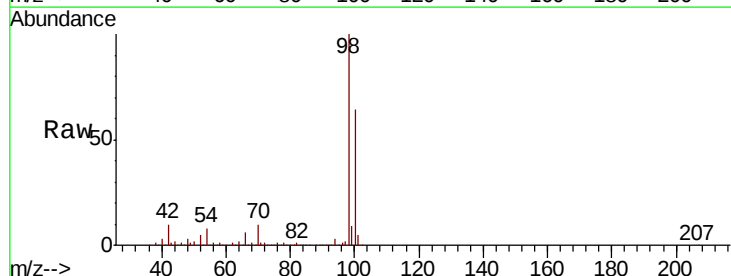
Acq: 12 Dec 2018 12:29

Tgt Ion: 98 Resp: 1055172

Ion Ratio Lower Upper

98 100

100 64.3 51.1 76.7



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

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

10.09

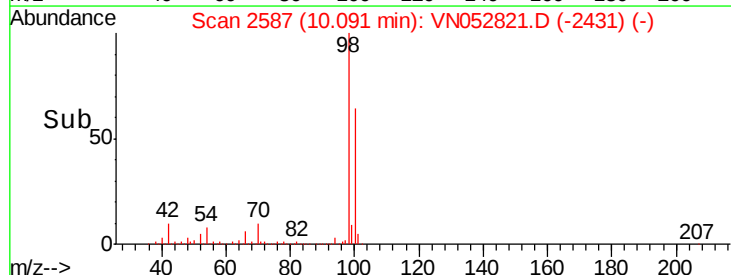
600000

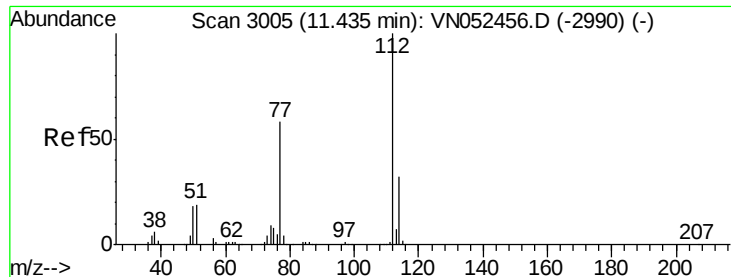
400000

200000

0

Time-->

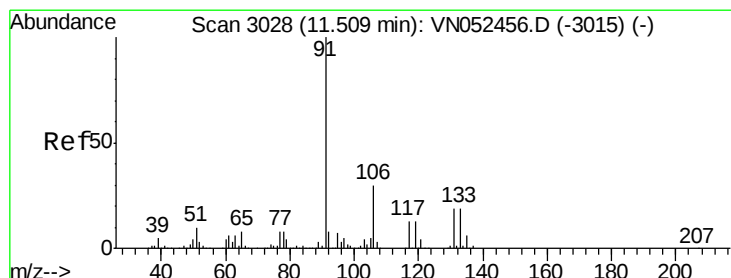
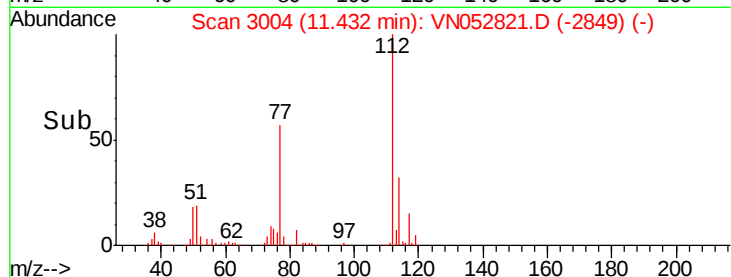
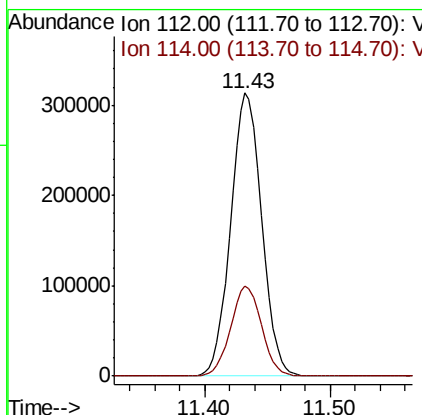
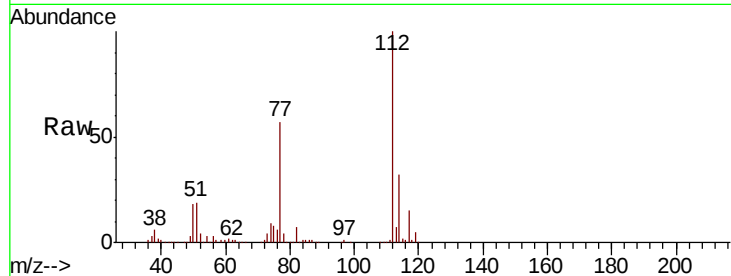




#64
Chlorobenzene
Concen: 20.532 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN052821.D
Acq: 12 Dec 2018 12:29

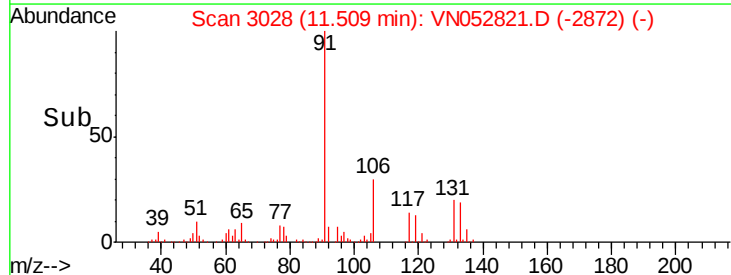
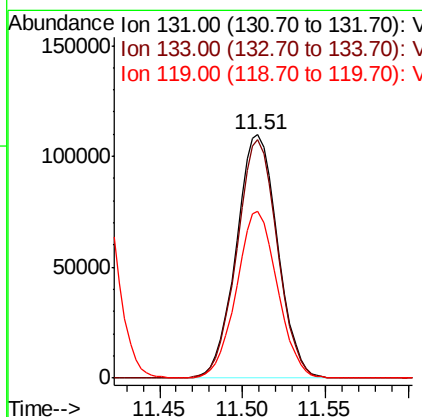
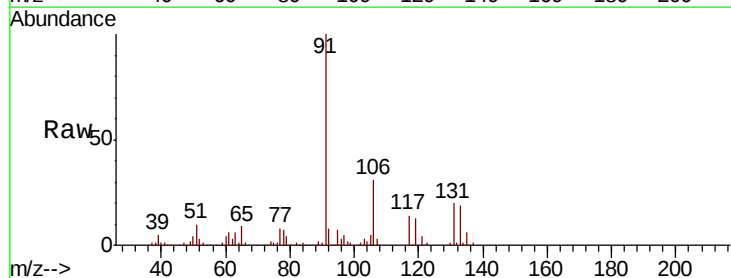
Instrument :
MSVOA_N
ClientSampleId :
VN1212WBSD01

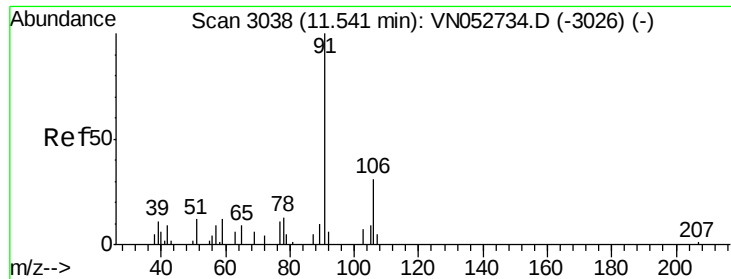
Tot Ion:112 Resp: 538166
Ion Ratio Lower Upper
112 100
114 32.0 25.6 38.4



#65
1,1,1,2-Tetrachloroethane
Concen: 20.933 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN052821.D
Acq: 12 Dec 2018 12:29

Tgt Ion:131 Resp: 190452
Ion Ratio Lower Upper
131 100
133 96.0 0.0 193.4
119 67.7 0.0 133.0





#66

Ethyl Benzene

Concen: 19.880 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN052821.D

Acq: 12 Dec 2018 12:29

Instrument :

MSVOA_N

ClientSampled :

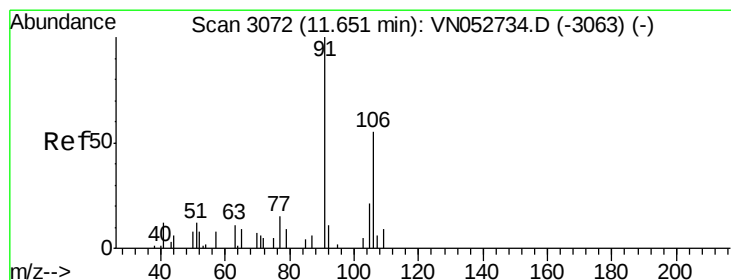
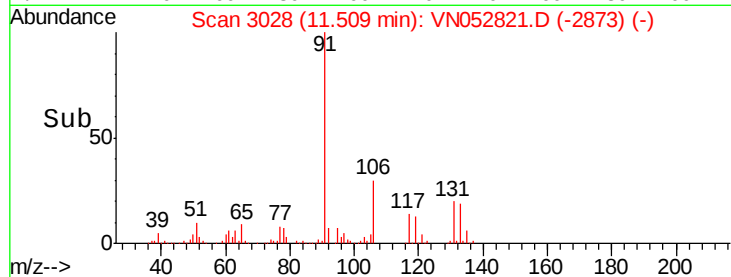
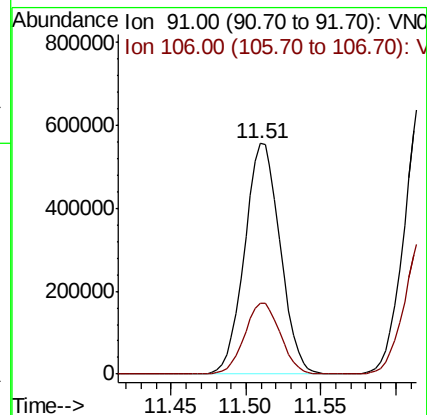
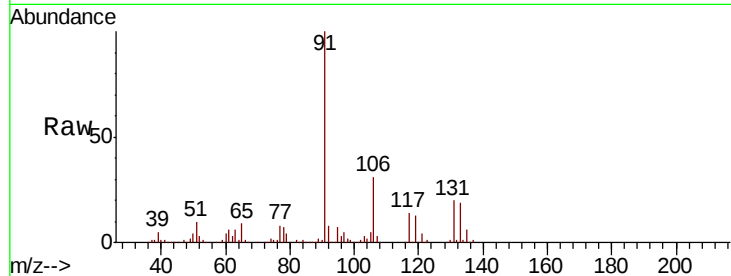
VN1212WBSD01

Tot Ion: 91 Resp: 920098

Ion Ratio Lower Upper

91 100

106 30.7 24.3 36.5



#67

m/p-Xylenes

Concen: 40.755 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN052821.D

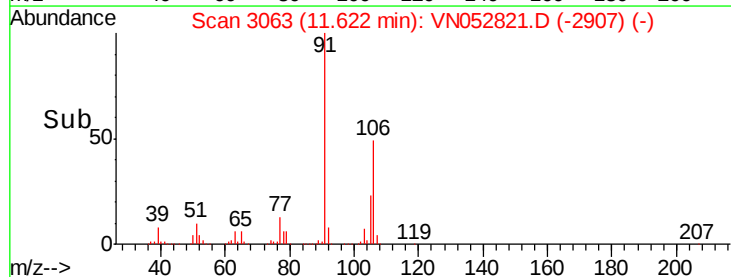
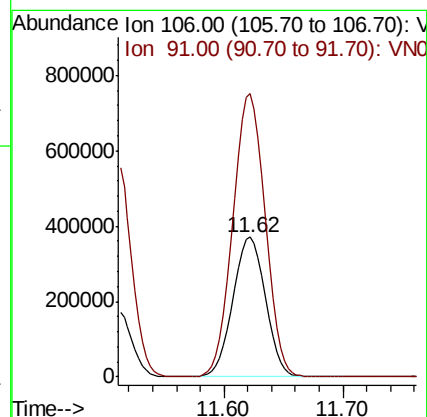
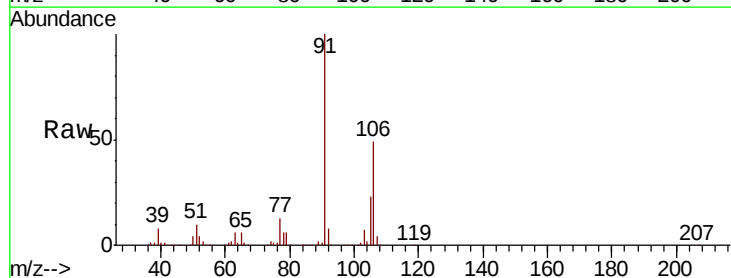
Acq: 12 Dec 2018 12:29

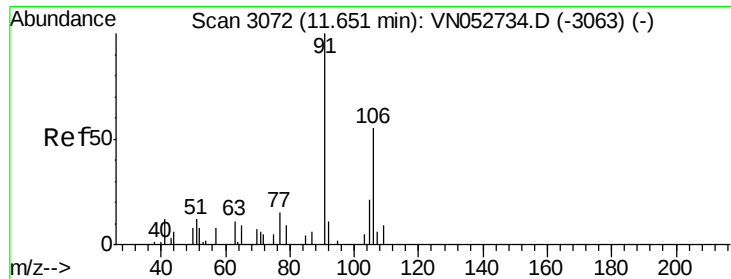
Tgt Ion: 106 Resp: 702745

Ion Ratio Lower Upper

106 100

91 201.7 163.9 245.9

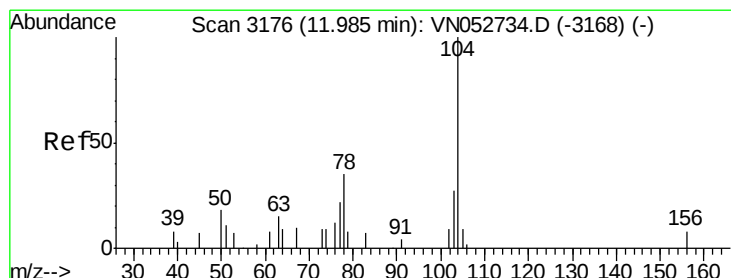
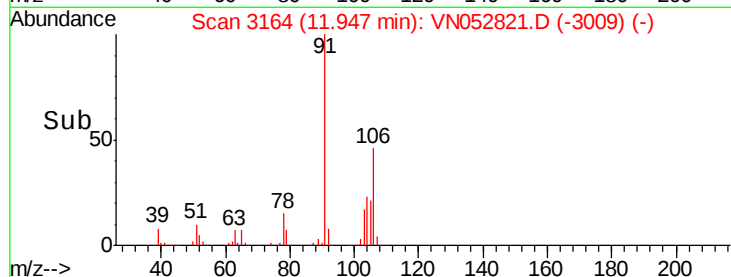
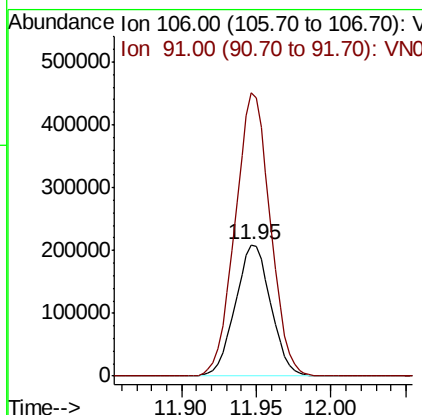
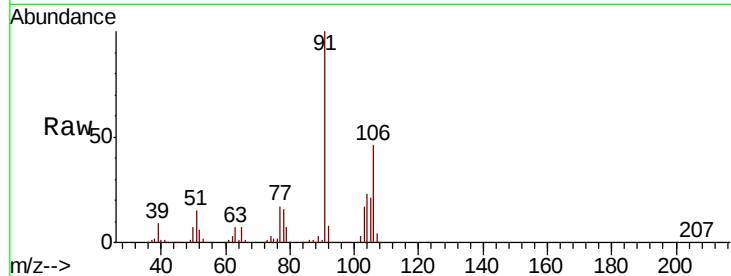




#68
o-Xylene
Concen: 20.582 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN052821.D
Acq: 12 Dec 2018 12:29

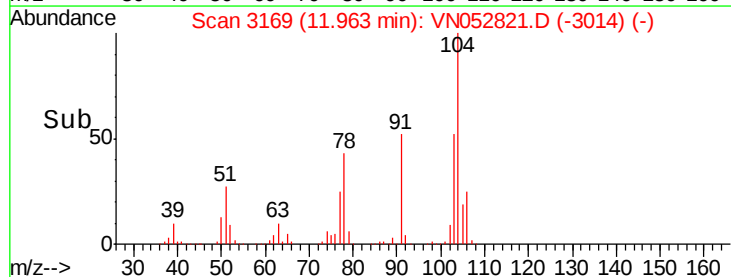
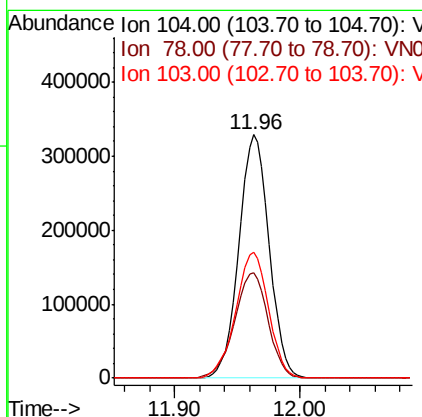
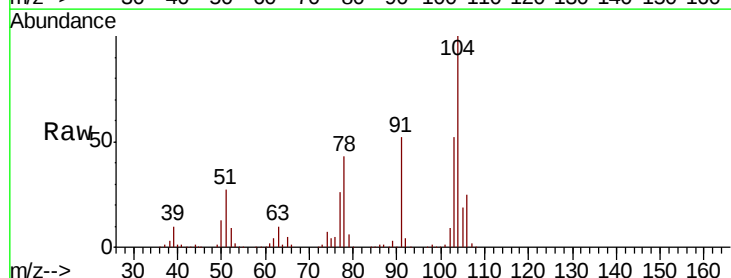
Instrument :
MSVOA_N
ClientSampled :
VN1212WBSD01

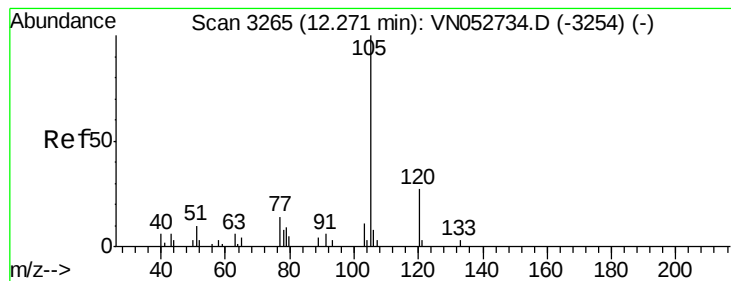
Tot Ion:106 Resp: 344461
Ion Ratio Lower Upper
106 100
91 213.6 107.8 323.4



#69
Styrene
Concen: 20.367 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN052821.D
Acq: 12 Dec 2018 12:29

Tgt Ion:104 Resp: 550172
Ion Ratio Lower Upper
104 100
78 48.4 39.3 58.9
103 56.3 44.6 66.8





#70

Isopropylbenzene

Concen: 20.494 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN052821.D

Acq: 12 Dec 2018 12:29

Instrument :

MSVOA_N

ClientSampleId :

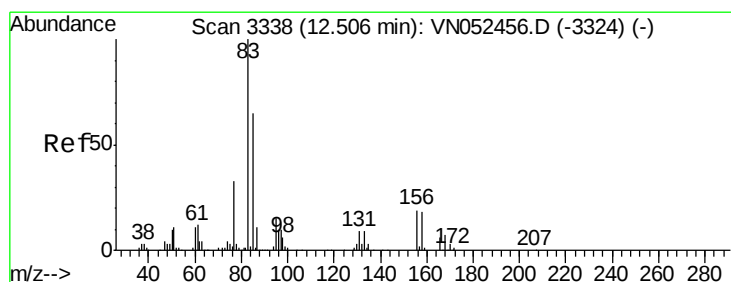
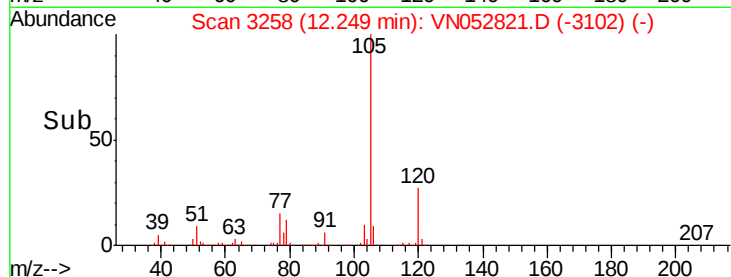
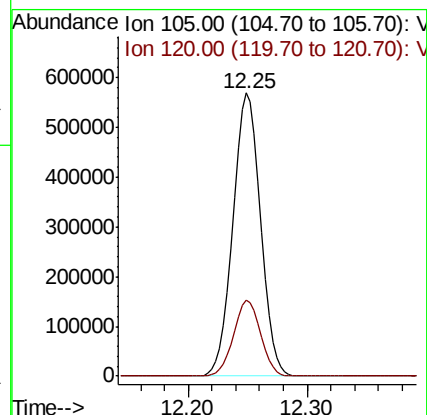
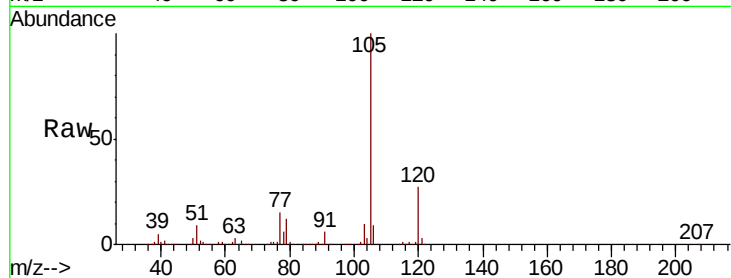
VN1212WBSD01

Tot Ion:105 Resp: 912608

Ion Ratio Lower Upper

105 100

120 26.4 18.6 34.6



#71

1,1,2,2-Tetrachloroethane

Concen: 21.335 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN052821.D

Acq: 12 Dec 2018 12:29

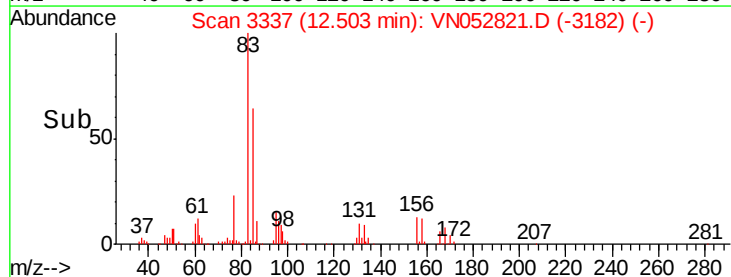
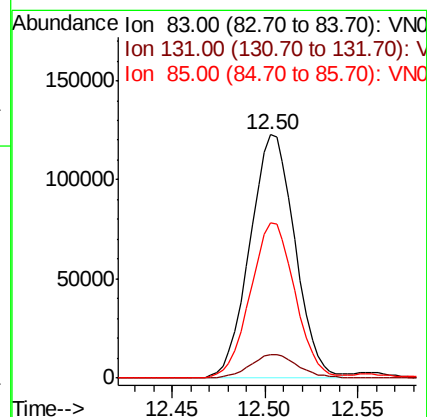
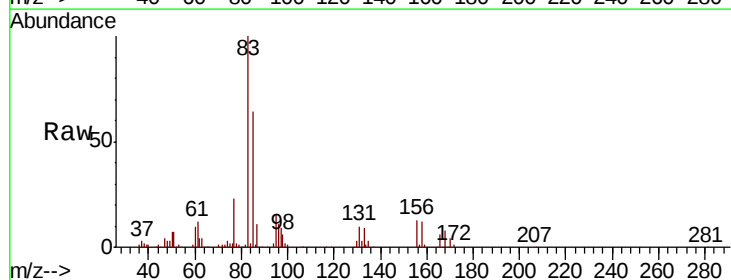
Tgt Ion: 83 Resp: 206661

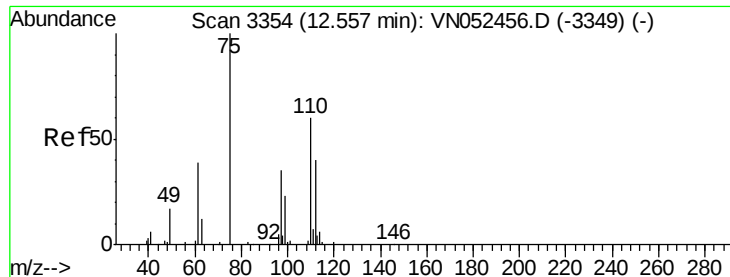
Ion Ratio Lower Upper

83 100

131 10.3 4.9 14.6

85 63.1 32.2 96.6





#72

1,2,3-Trichloropropane

Concen: 30.967 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN052821.D

Acq: 12 Dec 2018 12:29

Instrument :

MSVOA_N

ClientSampleId :

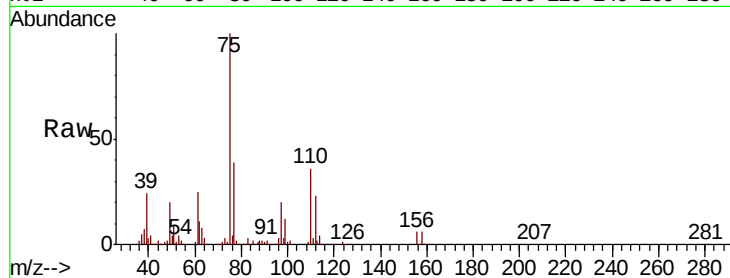
VN1212WBSD01

Tot Ion: 75 Resp: 257495

Ion Ratio Lower Upper

75 100

77 161.5 0.0 514.8



Abundance Ion 75.00 (74.70 to 75.70): VN052456.D (-3349) (-)

Ion 77.00 (76.70 to 77.70): VN052456.D (-3349) (-)

250000

200000

150000

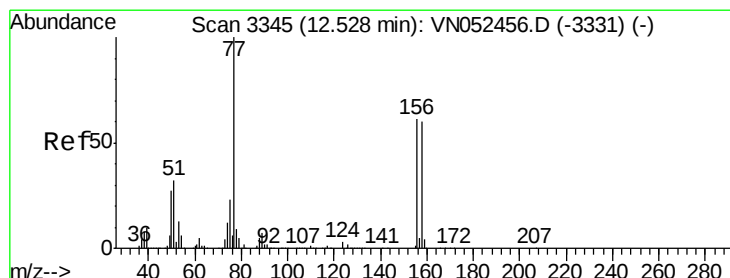
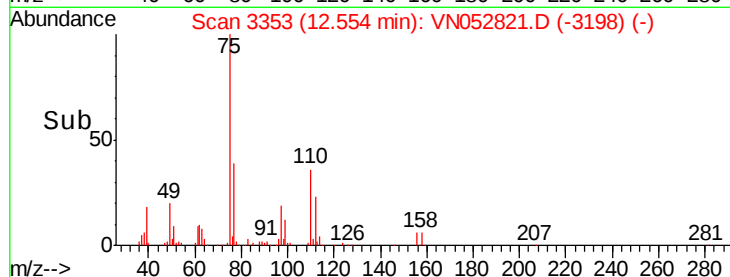
100000

50000

0

12.50 12.55 12.60

Time-->



#73

Bromobenzene

Concen: 21.159 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN052821.D

Acq: 12 Dec 2018 12:29

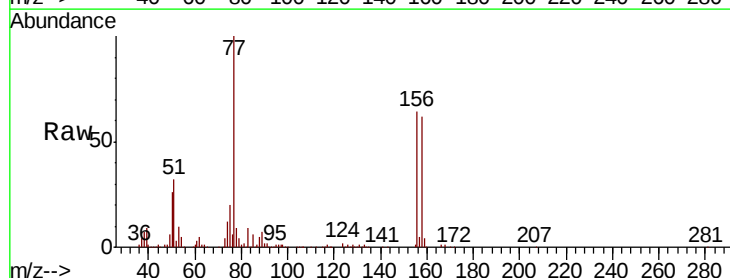
Tgt Ion: 156 Resp: 227873

Ion Ratio Lower Upper

156 100

77 182.4 0.0 382.6

158 98.7 0.0 196.8



Abundance Ion 156.00 (155.70 to 156.70): VN052456.D (-3331) (-)

Ion 77.00 (76.70 to 77.70): VN052456.D (-3331) (-)

Ion 158.00 (157.70 to 158.70): VN052456.D (-3331) (-)

300000

250000

200000

150000

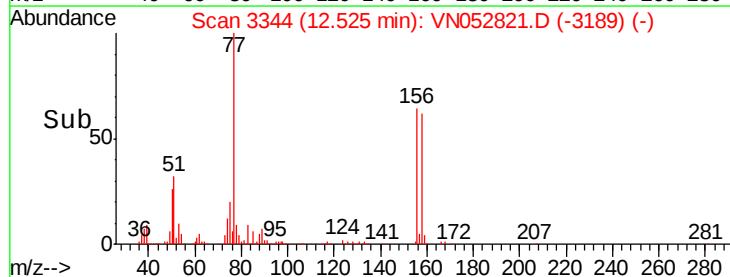
100000

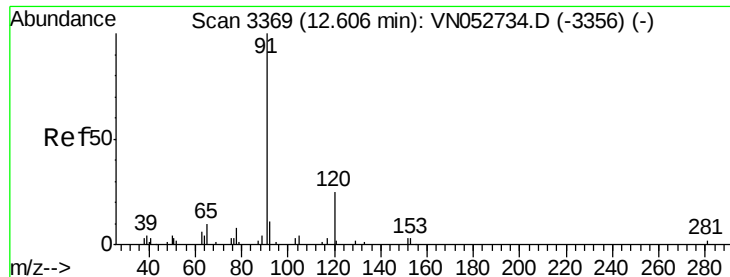
50000

0

12.45 12.50 12.55 12.60

Time-->





#74

n-propylbenzene

Concen: 20.001 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN052821.D

Acq: 12 Dec 2018 12:29

Instrument :

MSVOA_N

ClientSampleId :

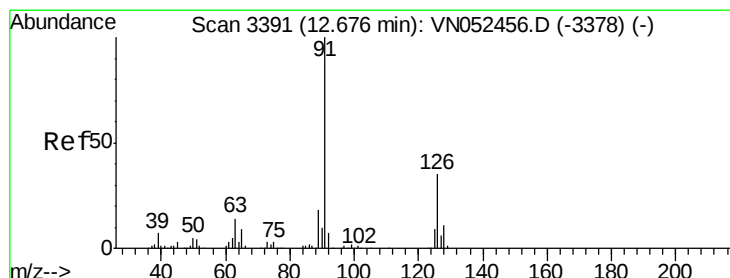
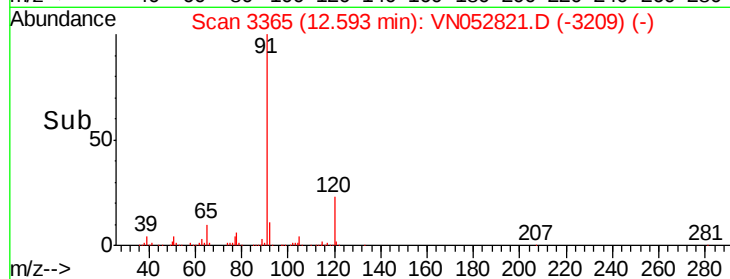
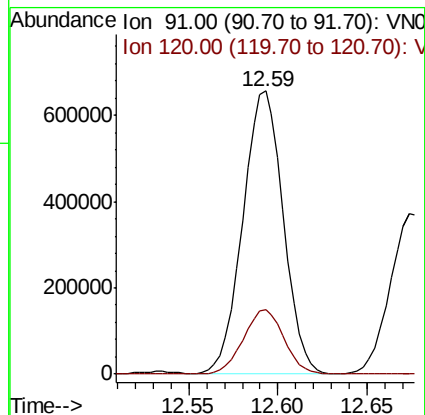
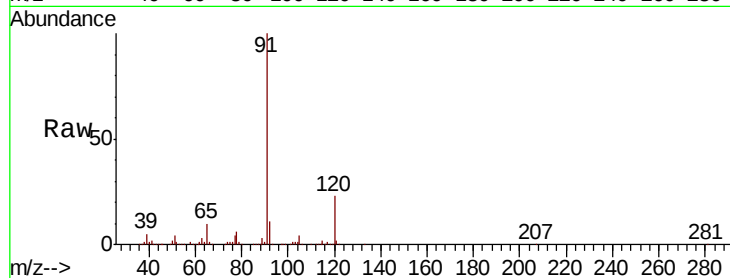
VN1212WBSD01

Tot Ion: 91 Resp: 1037721

Ion Ratio Lower Upper

91 100

120 22.9 0.0 44.6



#75

2-Chlorotoluene

Concen: 20.454 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN052821.D

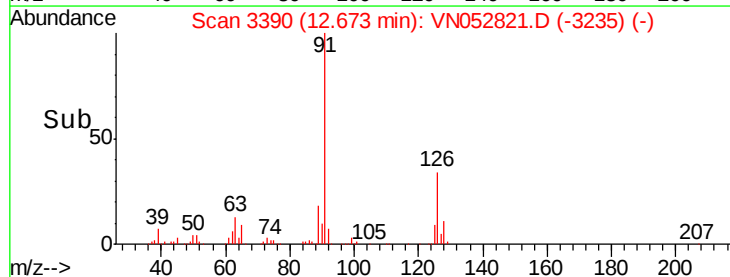
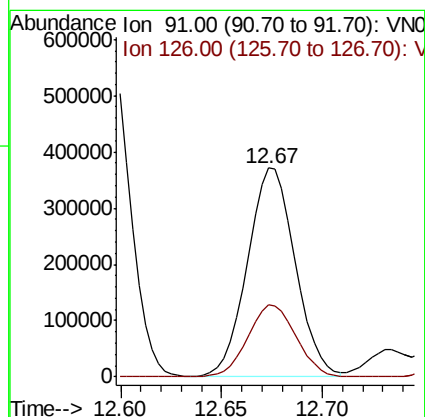
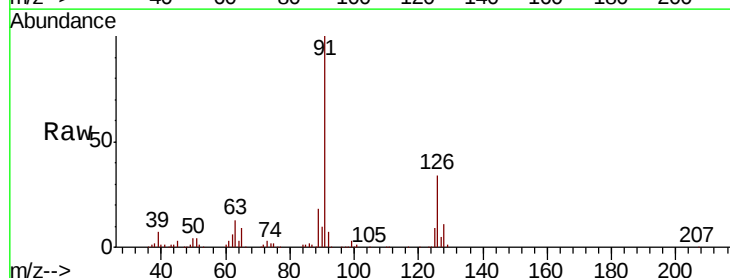
Acq: 12 Dec 2018 12:29

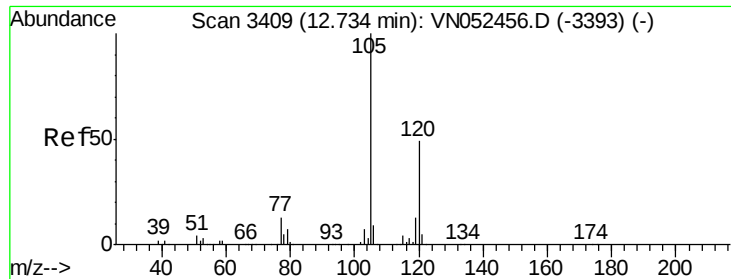
Tgt Ion: 91 Resp: 615989

Ion Ratio Lower Upper

91 100

126 34.8 0.0 68.4

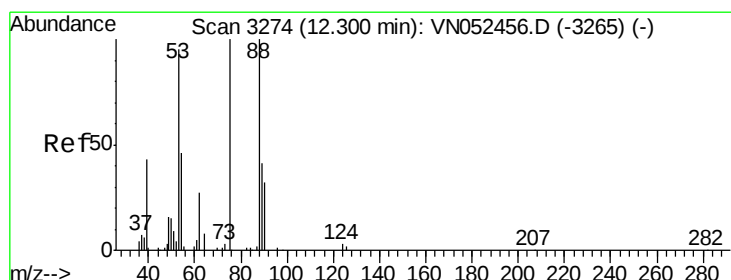
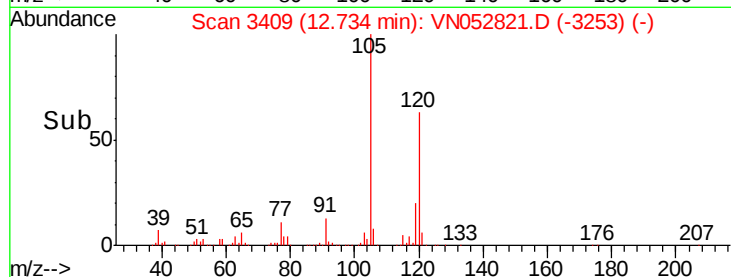
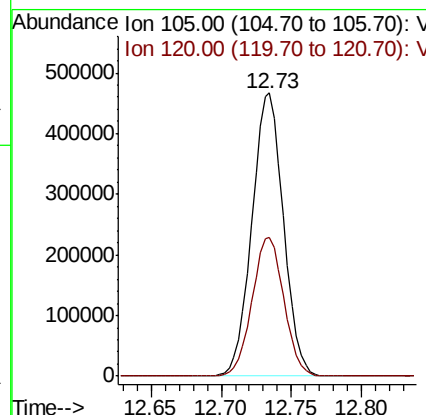
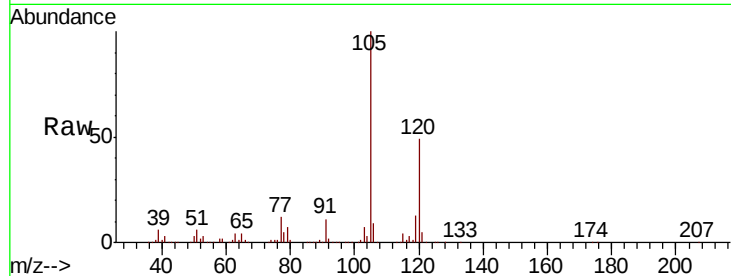




#76
 1,3,5-Trimethylbenzene
 Concen: 20.278 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN052821.D
 Acq: 12 Dec 2018 12:29

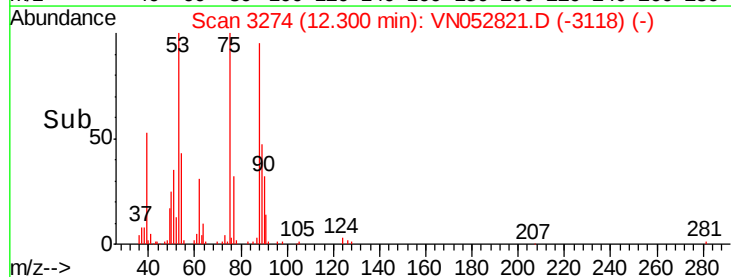
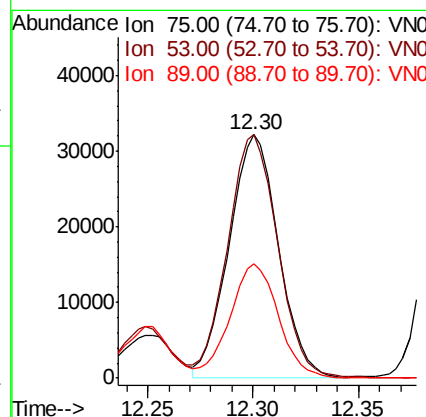
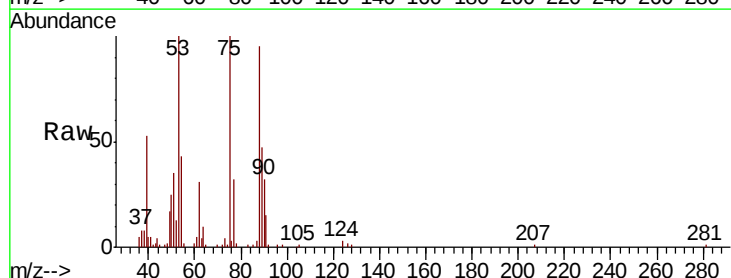
Instrument :
 MSVOA_N
 ClientSampleID :
 VN1212WBSD01

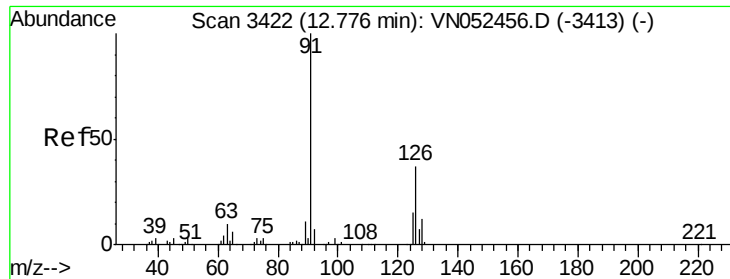
Tot Ion:105 Resp: 729347
 Ion Ratio Lower Upper
 105 100
 120 49.5 0.0 97.4



#77
 t-1,4-Dichloro-2-butene
 Concen: 19.922 ug/l
 RT: 12.30 min Scan# 3274
 Delta R.T. 0.00 min
 Lab File: VN052821.D
 Acq: 12 Dec 2018 12:29

Tgt Ion: 75 Resp: 52331
 Ion Ratio Lower Upper
 75 100
 53 99.1 48.5 145.6
 89 46.8 21.7 65.1





#78

4-Chlorotoluene

Concen: 20.478 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN052821.D

Acq: 12 Dec 2018 12:29

Instrument :

MSVOA_N

ClientSampleId :

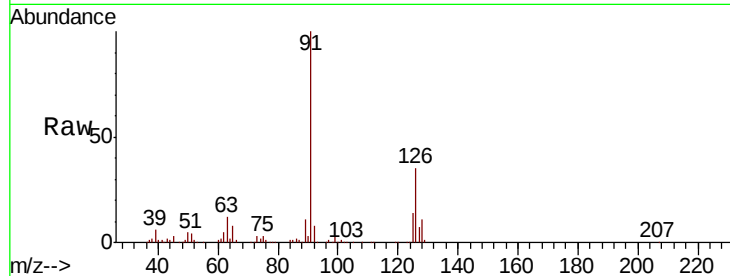
VN1212WBSD01

Tot Ion: 91 Resp: 615874

Ion Ratio Lower Upper

91 100

126 35.0 0.0 68.2



Abundance Ion 91.00 (90.70 to 91.70): VN052456.D (-3413) (-)

Ion 126.00 (125.70 to 126.70): VN052456.D (-3413) (-)

12.77

400000

300000

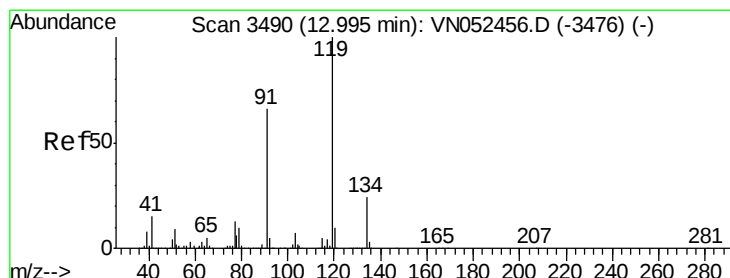
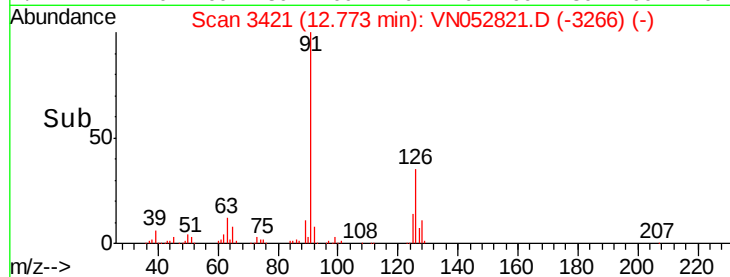
200000

100000

0

12.75 12.80 12.85

Time-->



#79

tert-butylbenzene

Concen: 20.849 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN052821.D

Acq: 12 Dec 2018 12:29

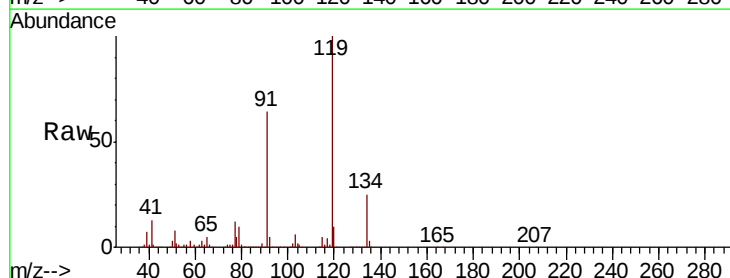
Tgt Ion: 119 Resp: 653052

Ion Ratio Lower Upper

119 100

91 63.0 0.0 129.8

134 25.8 0.0 52.2



Abundance Ion 119.00 (118.70 to 119.70): VN052456.D (-3476) (-)

Ion 91.00 (90.70 to 91.70): VN052456.D (-3476) (-)

Ion 134.00 (133.70 to 134.70): VN052456.D (-3476) (-)

12.99

500000

400000

300000

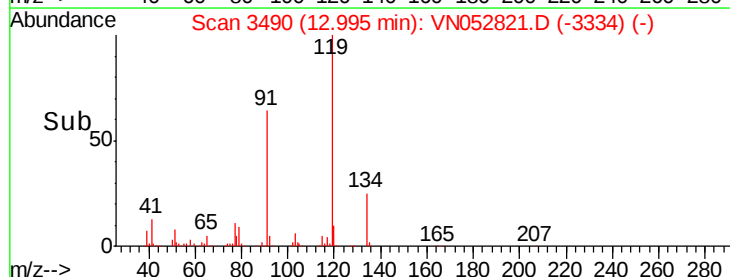
200000

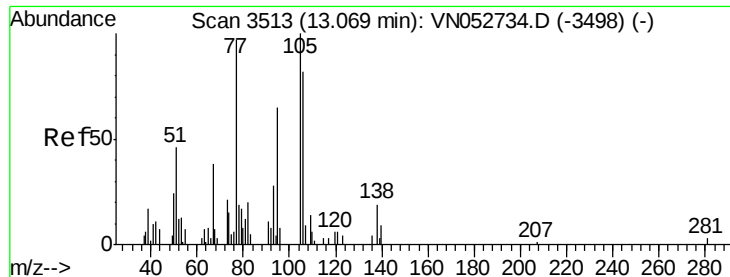
100000

0

12.95 13.00

Time-->





#80

1,2,4-Trimethylbenzene

Concen: 20.596 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.00 min

Lab File: VN052821.D

Acq: 12 Dec 2018 12:29

Instrument :

MSVOA_N

ClientSampleId :

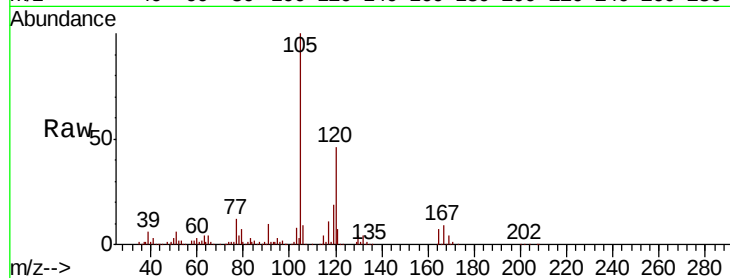
VN1212WBSD01

Tot Ion:105 Resp: 741218

Ion Ratio Lower Upper

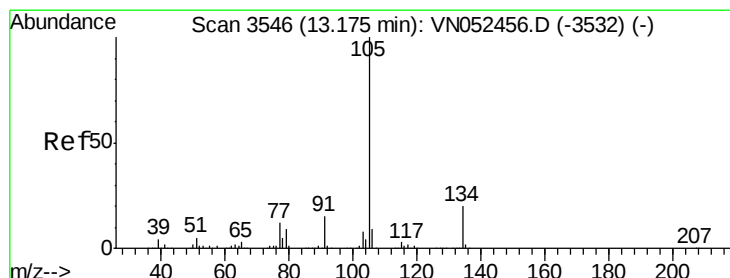
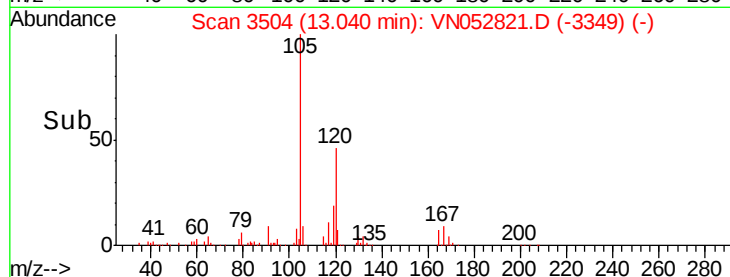
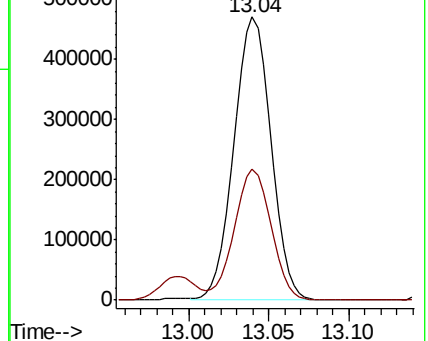
105 100

120 46.0 0.0 91.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

sec-Butylbenzene

Concen: 20.315 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN052821.D

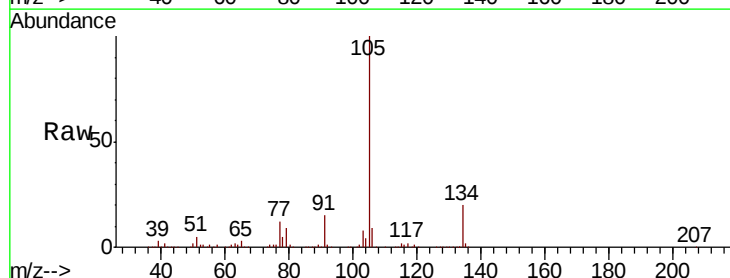
Acq: 12 Dec 2018 12:29

Tgt Ion:105 Resp: 886337

Ion Ratio Lower Upper

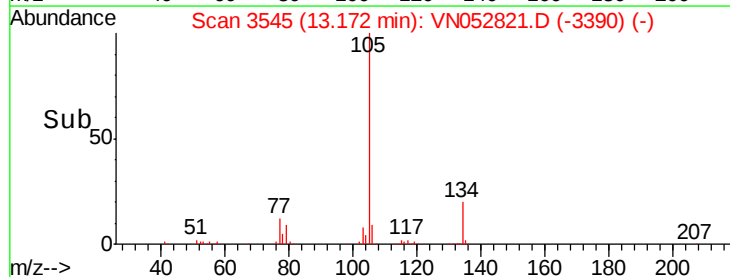
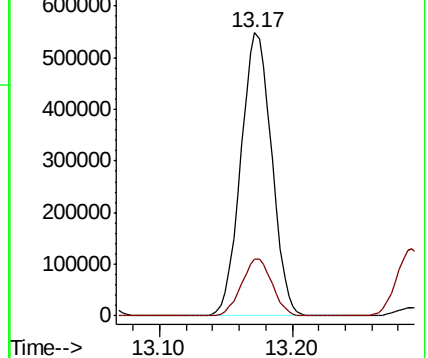
105 100

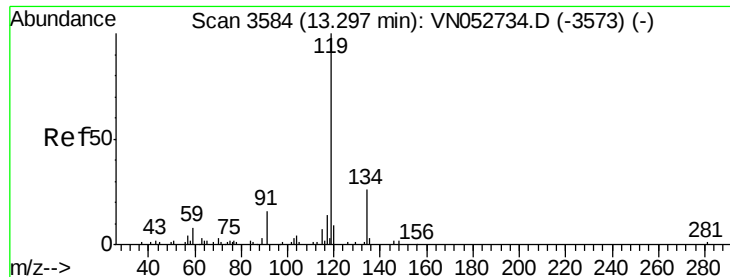
134 20.0 0.0 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

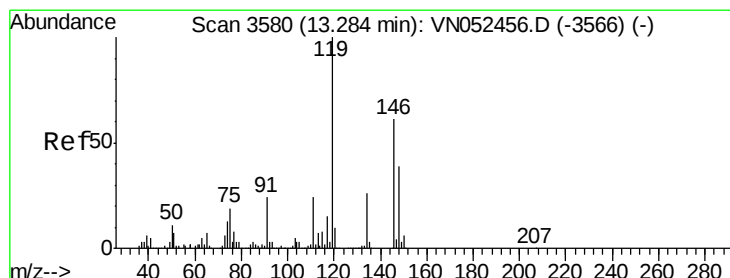
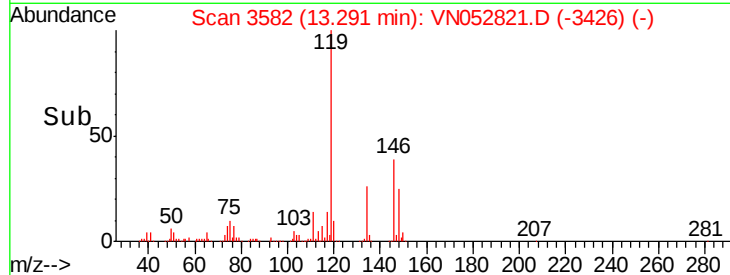
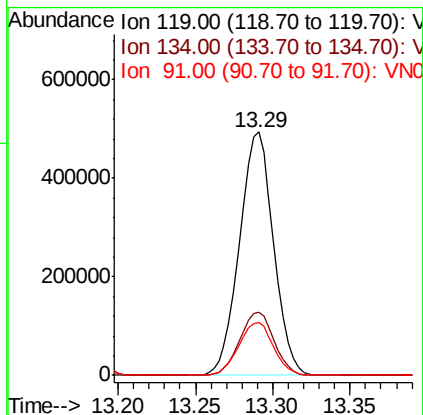
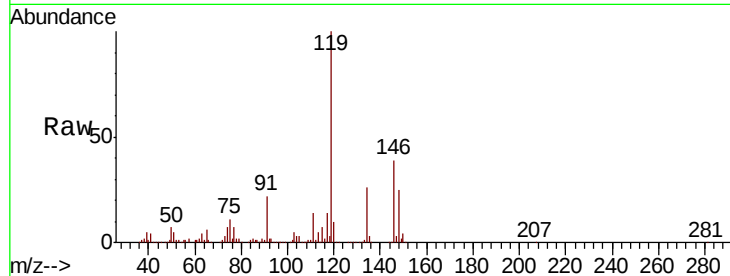




#82
 p-Isopropyltoluene
 Concen: 20.322 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN052821.D
 Acq: 12 Dec 2018 12:29

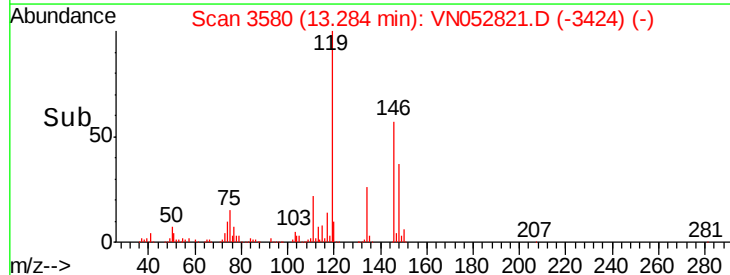
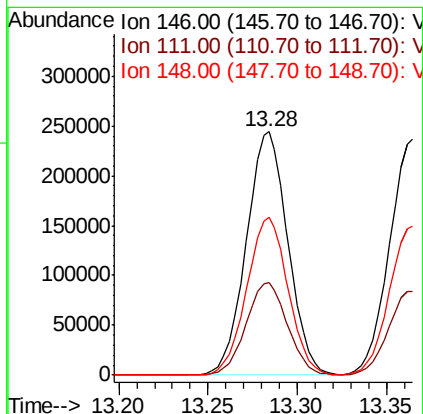
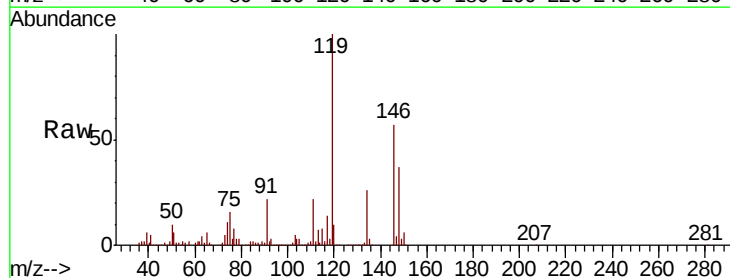
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1212WBSD01

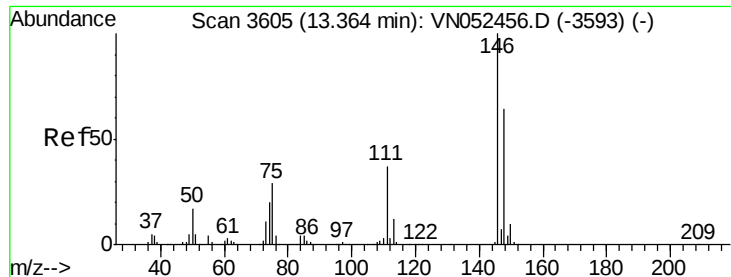
Tot Ion	Ratio	Lower	Upper
119	100		
134	26.4	0.0	52.6
91	22.2	0.0	46.2



#83
 1,3-Dichlorobenzene
 Concen: 20.949 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN052821.D
 Acq: 12 Dec 2018 12:29

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.0	19.7	59.0
148	64.7	32.3	96.8





#84

1,4-Dichlorobenzene

Concen: 21.314 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN052821.D

Acq: 12 Dec 2018 12:29

Instrument :

MSVOA_N

ClientSampleId :

VN1212WBSD01

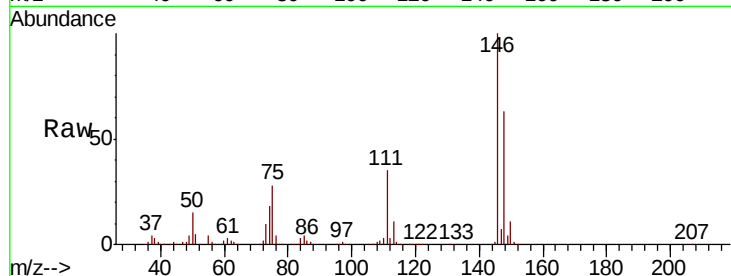
Tot Ion:146 Resp: 390060

Ion Ratio Lower Upper

146 100

111 36.0 18.8 56.3

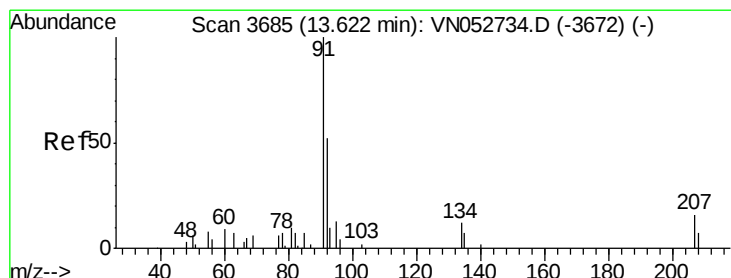
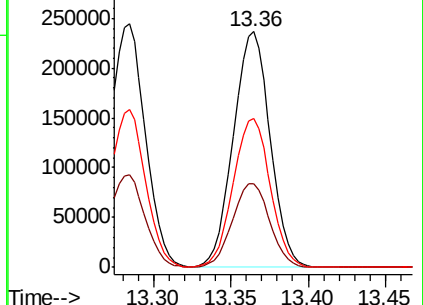
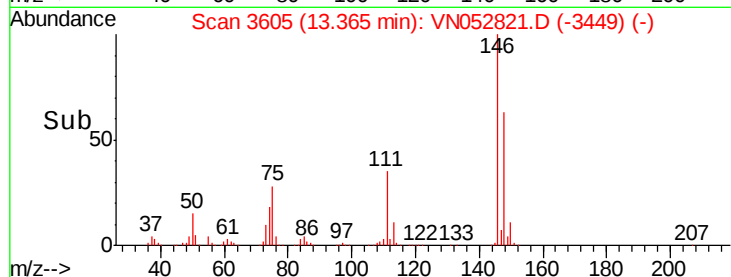
148 63.6 32.5 97.4



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#85

n-Butylbenzene

Concen: 18.916 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN052821.D

Acq: 12 Dec 2018 12:29

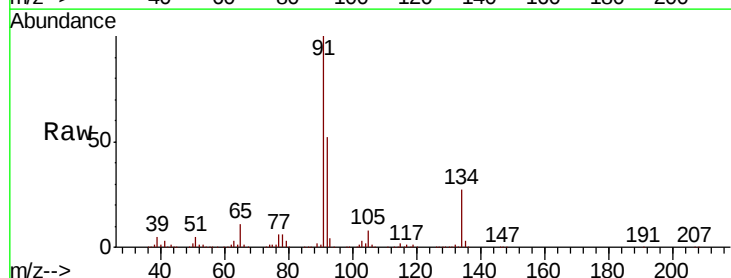
Tgt Ion: 91 Resp: 603635

Ion Ratio Lower Upper

91 100

92 52.2 0.0 104.2

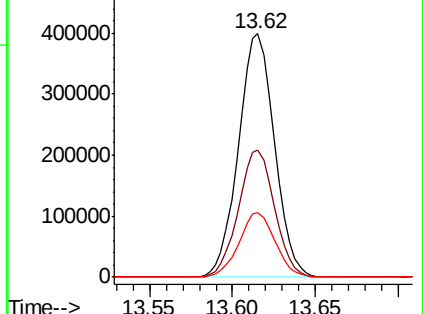
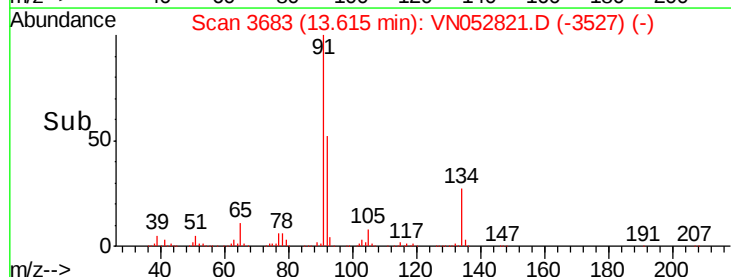
134 26.5 0.0 50.6

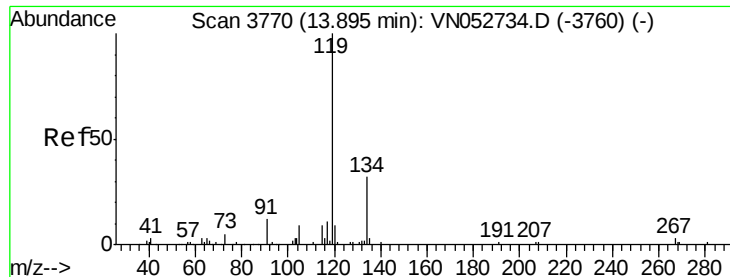


Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0

Ion 134.00 (133.70 to 134.70): V





#86

Hexachloroethane

Concen: 19.590 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN052821.D

Acq: 12 Dec 2018 12:29

Instrument :

MSVOA_N

ClientSampleId :

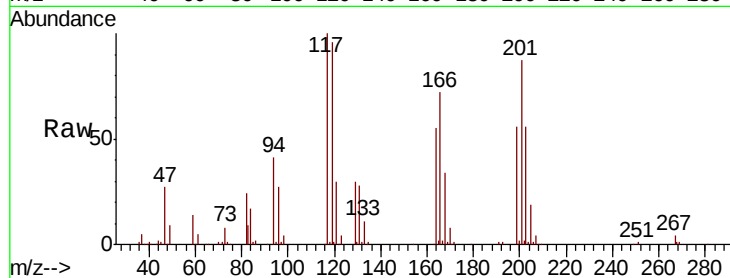
VN1212WBSD01

Tot Ion:117 Resp: 123312

Ion Ratio Lower Upper

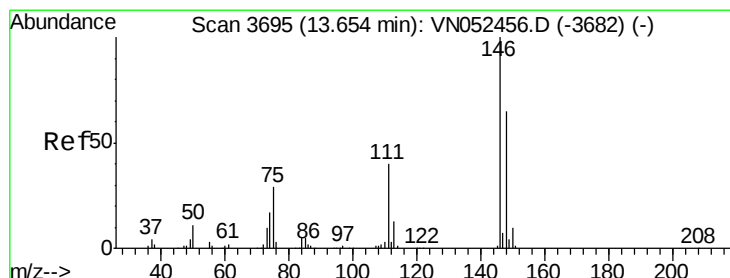
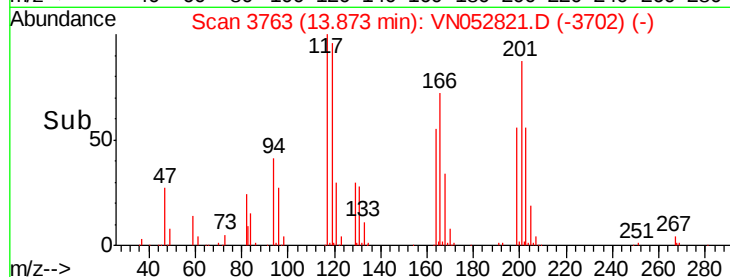
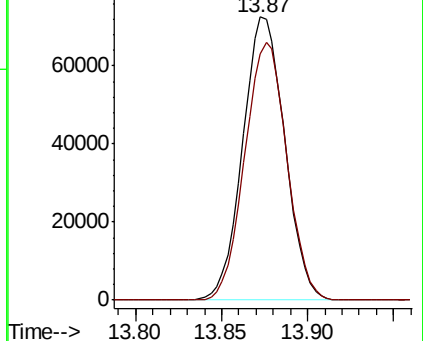
117 100

201 90.8 43.8 131.3



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V



#87

1,2-Dichlorobenzene

Concen: 21.504 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN052821.D

Acq: 12 Dec 2018 12:29

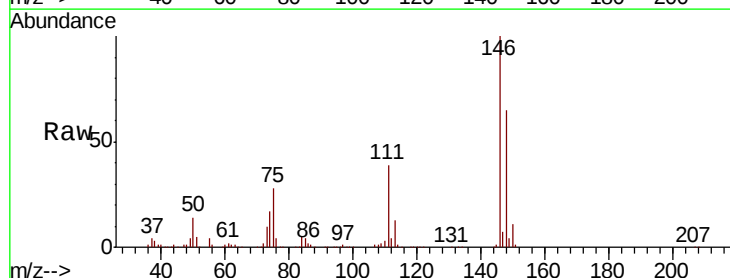
Tgt Ion:146 Resp: 387616

Ion Ratio Lower Upper

146 100

111 39.1 20.3 60.8

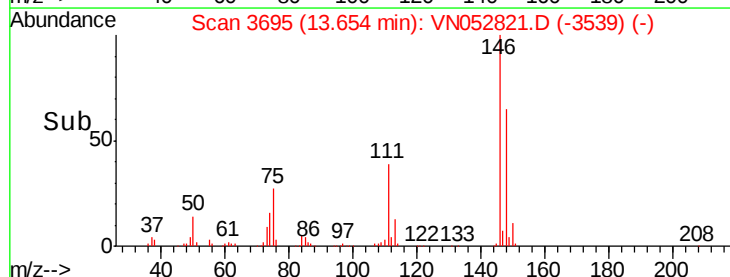
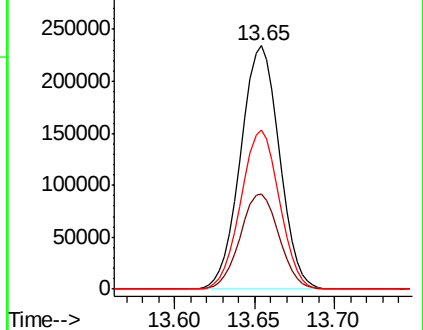
148 65.0 32.1 96.5

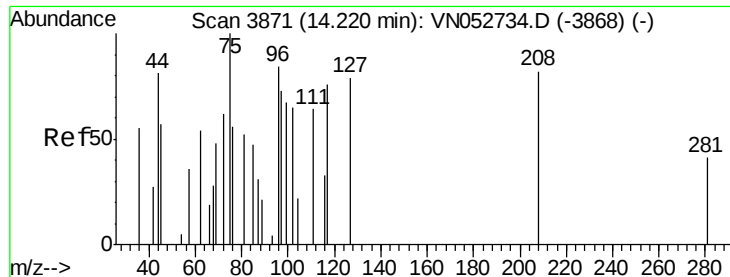


Abundance Ion 146.00 (145.70 to 146.70): V

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: 22.532 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

Lab File: VN052821.D

Acq: 12 Dec 2018 12:29

Instrument :

MSVOA_N

ClientSampleId :

VN1212WBSD01

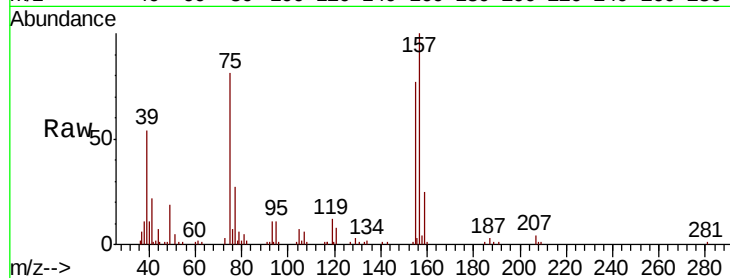
Tot Ion: 75 Resp: 30573

Ion Ratio Lower Upper

75 100

155 95.0 72.2 108.2

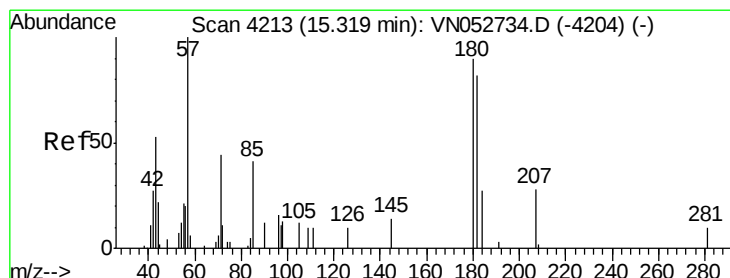
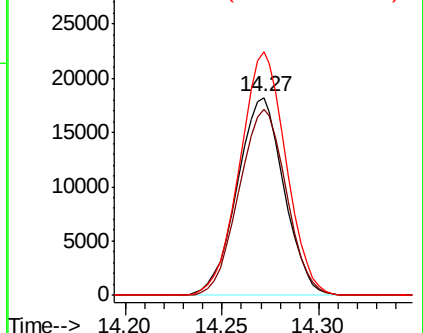
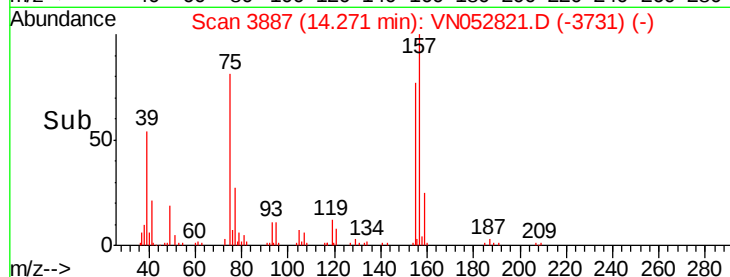
157 121.8 94.2 141.2



Abundance Ion 75.00 (74.70 to 75.70): VN052734.D (-3868) (-)

Ion 155.00 (154.70 to 155.70): VN052734.D (-3868) (-)

Ion 157.00 (156.70 to 157.70): VN052734.D (-3868) (-)



#89

1,2,4-Trichlorobenzene

Concen: 22.557 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. -0.00 min

Lab File: VN052821.D

Acq: 12 Dec 2018 12:29

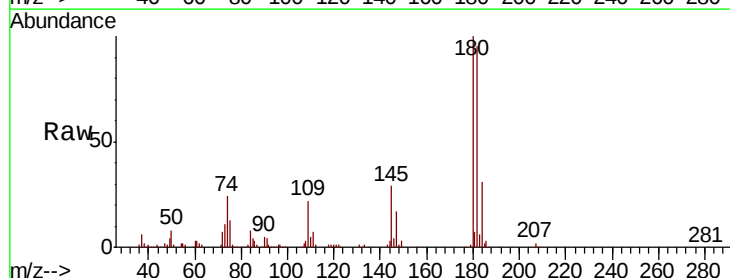
Tgt Ion:180 Resp: 200317

Ion Ratio Lower Upper

180 100

182 95.9 76.6 114.8

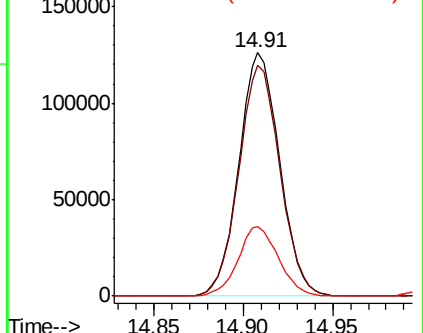
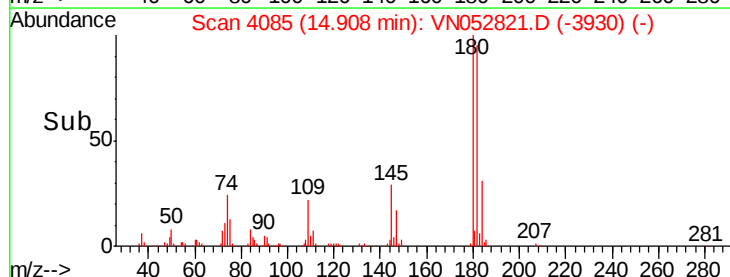
145 28.3 23.6 35.4

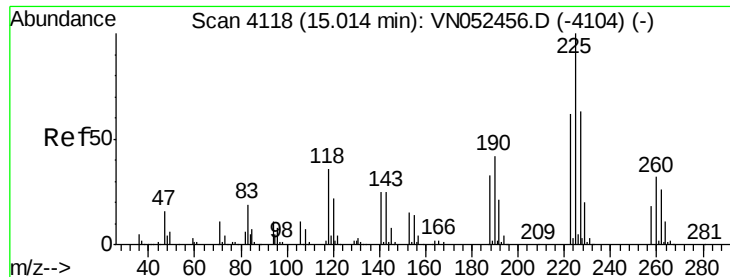


Abundance Ion 180.00 (179.70 to 180.70): VN052734.D (-4204) (-)

Ion 182.00 (181.70 to 182.70): VN052734.D (-4204) (-)

Ion 145.00 (144.70 to 145.70): VN052734.D (-4204) (-)

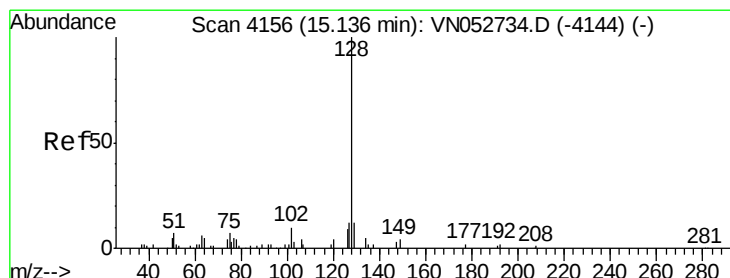
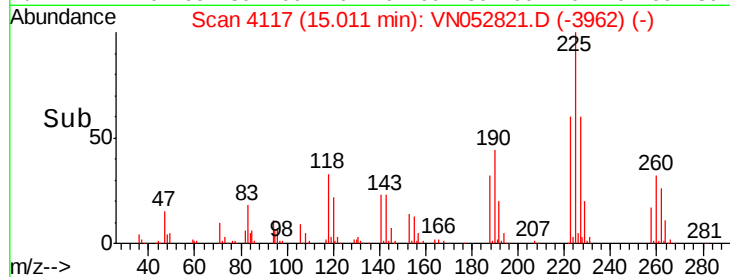
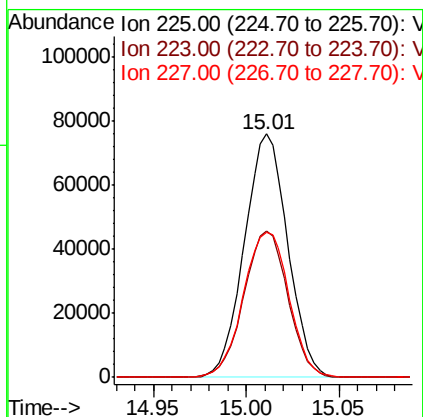
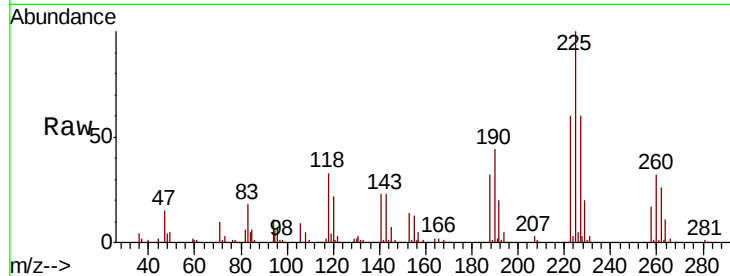




#90
Hexachlorobutadiene
Concen: 21.296 ug/l
RT: 15.01 min Scan# 4117
Delta R.T. -0.00 min
Lab File: VN052821.D
Acq: 12 Dec 2018 12:29

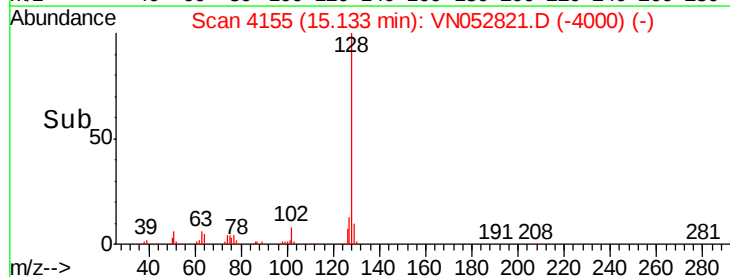
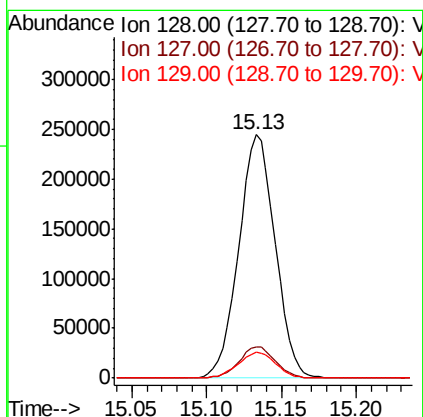
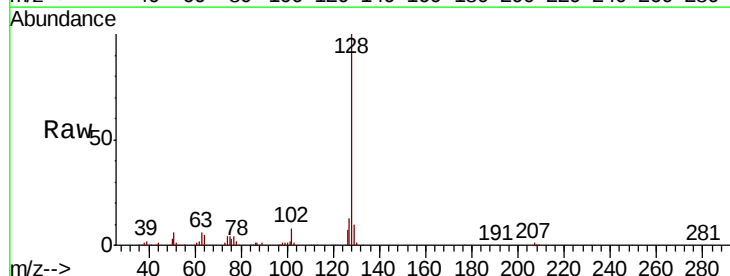
Instrument :
MSVOA_N
ClientSampleId :
VN1212WBSD01

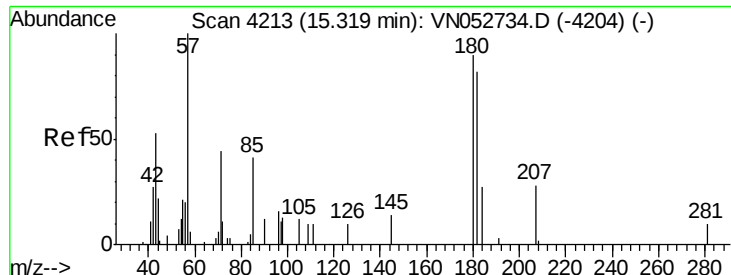
Tot Ion	Ratio	Lower	Upper
225	100		
223	61.1	0.0	125.6
227	62.8	0.0	127.8



#91
Naphthalene
Concen: 23.075 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN052821.D
Acq: 12 Dec 2018 12:29

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.8	9.9	14.9
129	11.0	8.5	12.7

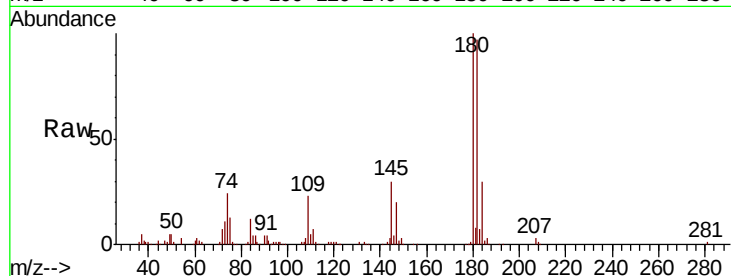




#92
 1,2,3-Trichlorobenzene
 Concen: 22.981 ug/l
 RT: 15.31 min Scan# 4211
 Delta R.T. -0.00 min
 Lab File: VN052821.D
 Acq: 12 Dec 2018 12:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1212WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.0	0.0	196.2
145	29.7	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

