

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN010419\
 Data File : VN053279.D
 Acq On : 4 Jan 2019 10:24
 Operator : MD\SY
 Sample : VN0104WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0104WBS01

Quant Time: Jan 05 00:03:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N122818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Dec 28 10:33:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	149729	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	840786	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	760607	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	281975	29.65	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.83%
60) 4-Bromofluorobenzene	12.40	95	344094	29.56	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.53%
63) Toluene-d8	10.09	98	1033427	30.16	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.53%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	195770	19.624	ug/l 98
3) Chloromethane	2.06	50	230795	19.711	ug/l 99
4) Vinyl Chloride	2.19	62	217928	18.914	ug/l 96
5) Bromomethane	2.57	94	143308	19.291	ug/l 96
6) Chloroethane	2.71	64	127866	19.265	ug/l 99
7) Trichlorofluoromethane	3.02	101	275924	19.392	ug/l 100
8) Diethyl Ether	3.41	74	101818	19.260	ug/l 94
9) 1,1,2-Trichlorotrifluoroet	3.77	101	173629	19.422	ug/l 96
10) 1,1-Dichloroethene	3.74	96	162744	18.654	ug/l 96
11) Methyl Iodide	3.96	142	250888	19.637	ug/l 99
12) Methyl Acetate	4.33	43	138060	20.303	ug/l 95
13) Acrolein	3.61	56	77594	95.575	ug/l 100
14) Acrylonitrile	4.99	53	306427	100.730	ug/l 97
15) Acetone	3.82	58	80996	125.279	ug/l 87
16) Carbon Disulfide	4.06	76	492292	18.343	ug/l 100
17) Allyl chloride	4.33	41	249274	18.162	ug/l 97
18) Methylene Chloride	4.55	84	193174	19.347	ug/l 93
19) trans-1,2-Dichloroethene	5.05	96	171958	18.650	ug/l 94
20) Diisopropyl ether	5.95	45	568857	19.354	ug/l 96
21) 1,1-Dichloroethane	5.85	63	327446	19.134	ug/l 99
22) cis-1,2-Dichloroethene	6.83	96	200002	19.257	ug/l 97
23) tert-Butyl Alcohol	4.77	59	47081	91.808	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	436462	19.185	ug/l 96
25) Chloroform	7.37	83	323980	19.695	ug/l 98
26) Cyclohexane	7.66	56	292352	18.316	ug/l # 97
29) 1,1-Dichloropropene	7.79	75	248866	19.540	ug/l 99
30) 2-Butanone	6.83	43	346051	108.910	ug/l 96
31) 2,2-Dichloropropane	6.83	77	237252	19.243	ug/l # 81
32) 1,1,1-Trichloroethane	7.57	97	266327	19.959	ug/l 97
33) Carbon Tetrachloride	7.78	117	227122	19.445	ug/l 99
34) Benzene	8.04	78	763955	19.960	ug/l 96
35) Methacrylonitrile	7.18	41	90906	22.172	ug/l 95
36) 1,2-Dichloroethane	8.12	62	224698	20.222	ug/l 98
37) Trichloroethene	8.84	130	206749	19.940	ug/l 92
38) Methylcyclohexane	9.08	83	286145	19.209	ug/l 96
39) 1,2-Dichloropropane	9.12	63	200674	20.078	ug/l 98
40) Dibromomethane	9.21	93	116626	20.633	ug/l 94

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Dec 28 10:33:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	241481	19.894	ug/l	97
42) Vinyl Acetate	5.90	43	1726528	99.599	ug/l	98
43) Ethyl Acetate	6.93	43	152258	21.457	ug/l #	69
44) Isopropyl Acetate	8.17	43	269781	20.410	ug/l	99
45) 1,4-Dioxane	9.20	88	28582	353.611	ug/l	95
46) Methyl methacrylate	9.20	41	132532	19.847	ug/l	96
47) n-amyl Acetate	12.07	43	223903	19.289	ug/l	100
48) t-1,3-Dichloropropene	10.38	75	236602	19.098	ug/l	100
49) cis-1,3-Dichloropropene	9.84	75	283067	19.404	ug/l	95
50) 1,1,2-Trichloroethane	10.56	97	166274	20.517	ug/l	99
51) Ethyl methacrylate	10.43	69	209445	19.829	ug/l	94
52) 1,3-Dichloropropane	10.71	76	287614	20.601	ug/l	99
53) Dibromochloromethane	10.90	129	179983	19.773	ug/l	97
54) 1,2-Dibromoethane	11.00	107	162535	19.880	ug/l	98
55) 2-Chloroethyl vinyl ether	9.70	63	604801	99.775	ug/l	98
56) Bromoform	12.13	173	120816	19.403	ug/l	97
58) 4-Methyl-2-Pentanone	9.98	43	758972	104.718	ug/l	98
59) 2-Hexanone	10.75	43	519090	103.743	ug/l	97
61) Tetrachloroethene	10.63	164	232690	20.702	ug/l	95
62) Toluene	10.16	91	820403	19.667	ug/l	98
64) Chlorobenzene	11.43	112	513996	19.636	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	179327	19.530	ug/l	99
66) Ethyl Benzene	11.51	91	877023	19.388	ug/l	99
67) m/p-Xylenes	11.62	106	676377	39.535	ug/l	98
68) o-Xylene	11.95	106	324800	19.591	ug/l	98
69) Styrene	11.96	104	536744	19.835	ug/l	99
70) Isopropylbenzene	12.25	105	859610	19.707	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	180610	19.669	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	240081	29.858	ug/l	47
73) Bromobenzene	12.53	156	224143	19.991	ug/l	93
74) n-propylbenzene	12.59	91	963782	19.519	ug/l	98
75) 2-Chlorotoluene	12.67	91	585312	20.015	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	678753	19.616	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	50273	17.794	ug/l	98
78) 4-Chlorotoluene	12.77	91	573642	19.271	ug/l	99
79) tert-butylbenzene	12.99	119	600179	19.889	ug/l	97
80) 1,2,4-Trimethylbenzene	13.04	105	686035	19.782	ug/l	100
81) sec-Butylbenzene	13.17	105	789287	19.752	ug/l	100
82) p-Isopropyltoluene	13.29	119	667500	19.331	ug/l	98
83) 1,3-Dichlorobenzene	13.28	146	360397	18.878	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	349466	18.779	ug/l	99
85) n-Butylbenzene	13.62	91	510794	18.190	ug/l	99
86) Hexachloroethane	13.88	117	98354	17.840	ug/l	93
87) 1,2-Dichlorobenzene	13.65	146	326363	18.398	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	15860	12.078	ug/l	96
89) 1,2,4-Trichlorobenzene	14.91	180	54677	6.350	ug/l	99
90) Hexachlorobutadiene	15.01	225	67534	12.958	ug/l	97
91) Naphthalene	15.13	128	82459	4.514	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	32560	4.239	ug/l	98

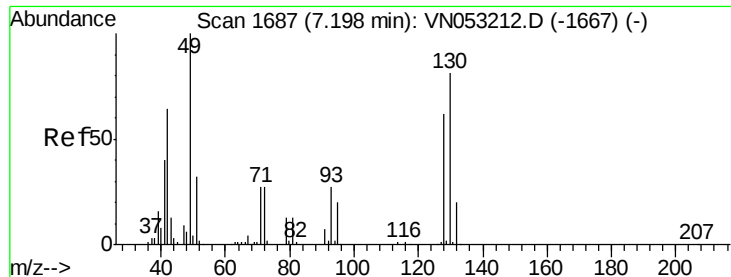
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN010419\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. -0.00 min

Lab File: VN053279.D

Acq: 4 Jan 2019 10:24

Instrument :
MSVOA_N
ClientSampled :
VN0104WBS01

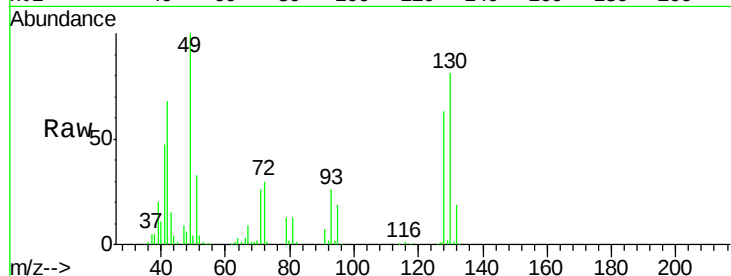
Tot Ion:128 Resp: 149729

Ion Ratio Lower Upper

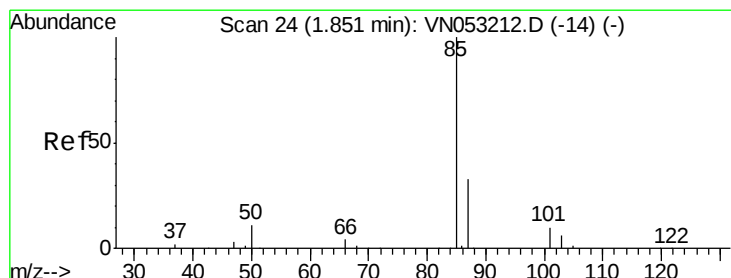
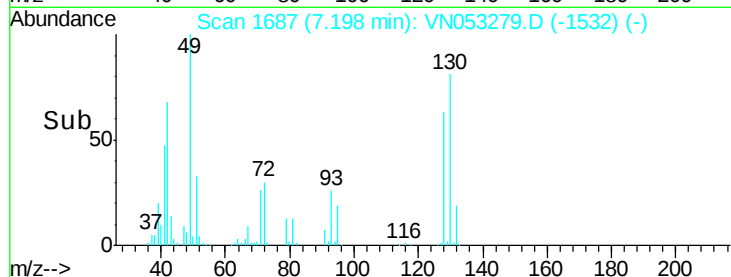
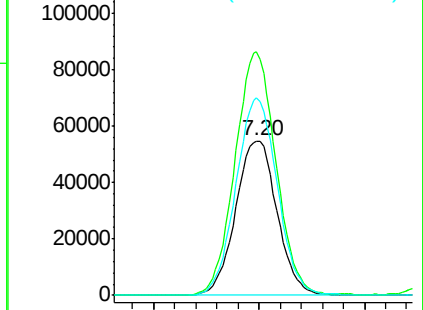
128 100

49 155.7 0.0 431.8

130 127.4 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: 19.624 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN053279.D

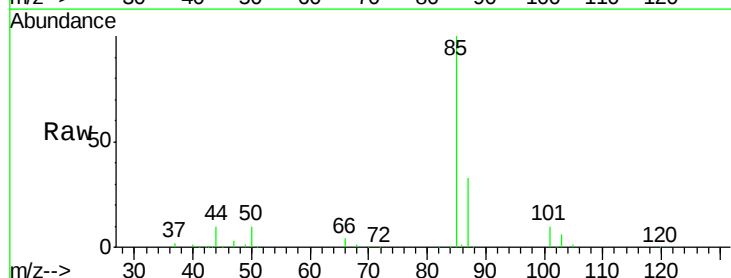
Acq: 4 Jan 2019 10:24

Tgt Ion: 85 Resp: 195770

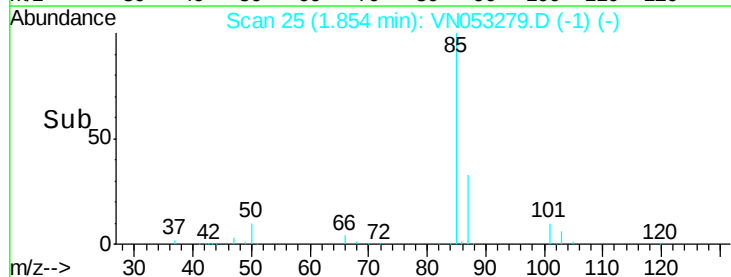
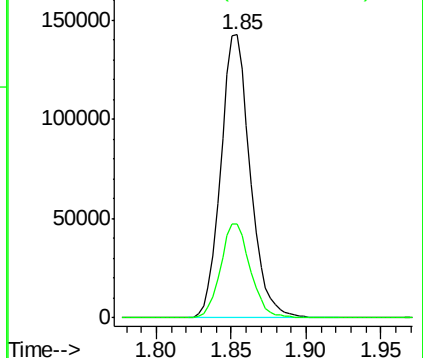
Ion Ratio Lower Upper

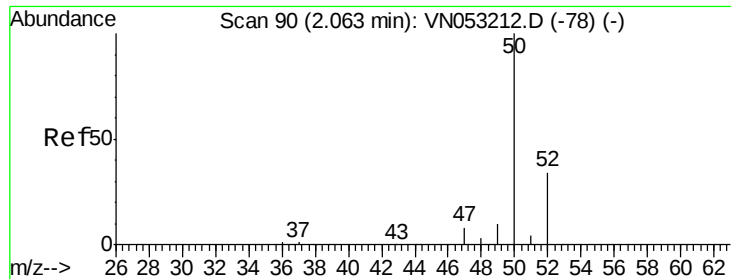
85 100

87 33.2 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: 19.711 ug/l

RT: 2.06 min Scan# 90

Delta R.T. -0.00 min

Lab File: VN053279.D

Acq: 4 Jan 2019 10:24

Instrument :

MSVOA_N

ClientSampleId :

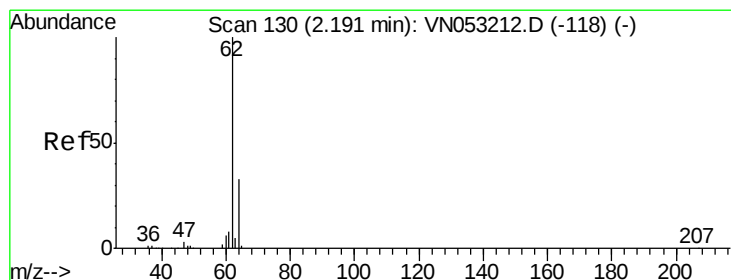
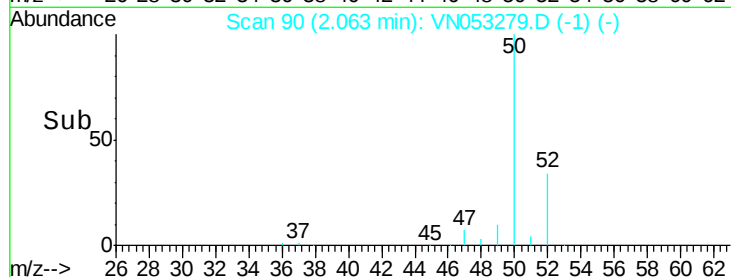
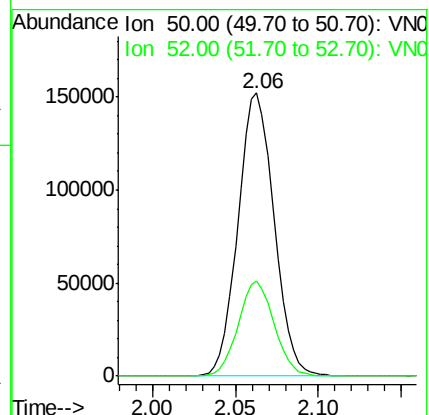
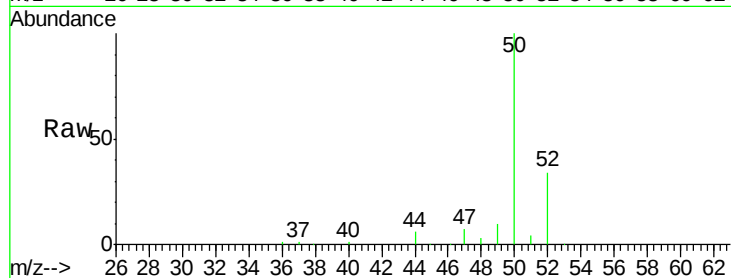
VN0104WBS01

Tot Ion: 50 Resp: 230795

Ion Ratio Lower Upper

50 100

52 33.6 26.5 39.7



#4

Vinyl Chloride

Concen: 18.914 ug/l

RT: 2.19 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN053279.D

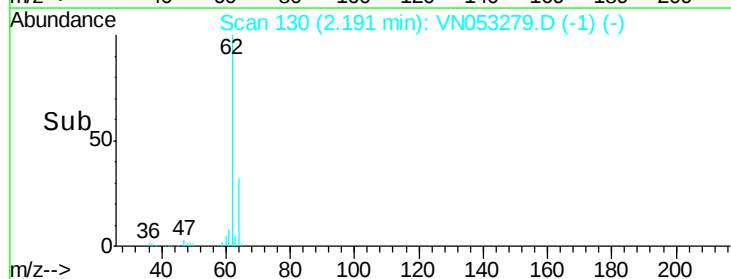
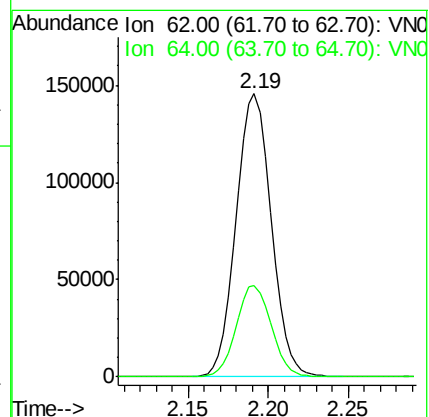
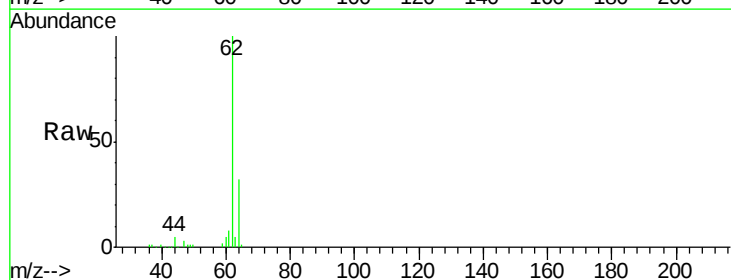
Acq: 4 Jan 2019 10:24

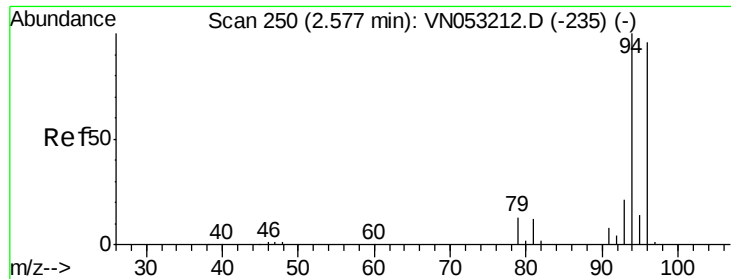
Tgt Ion: 62 Resp: 217928

Ion Ratio Lower Upper

62 100

64 32.4 24.2 36.4





#5

Bromomethane

Concen: 19.291 ug/l

RT: 2.57 min Scan# 249

Delta R.T. -0.00 min

Lab File: VN053279.D

Acq: 4 Jan 2019 10:24

Instrument :

MSVOA_N

ClientSampleId :

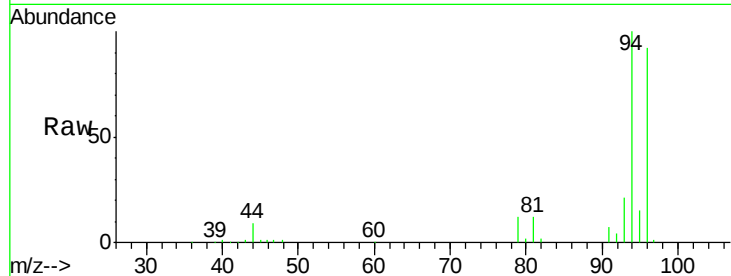
VN0104WBS01

Tot Ion: 94 Resp: 143308

Ion Ratio Lower Upper

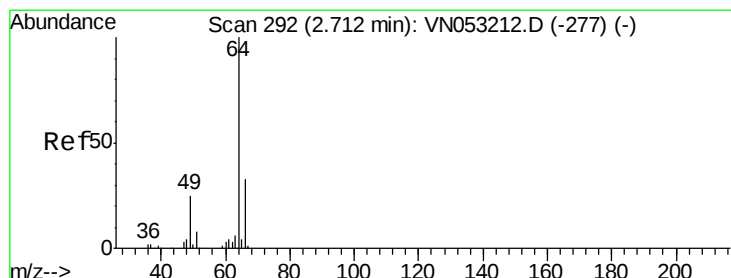
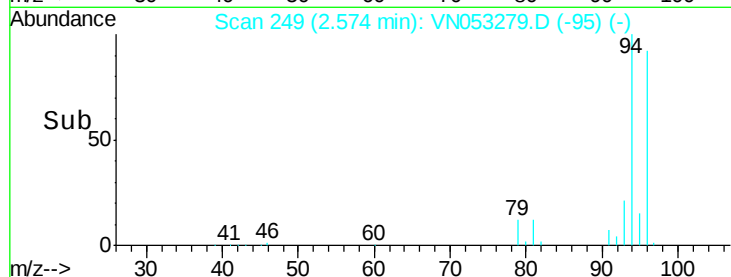
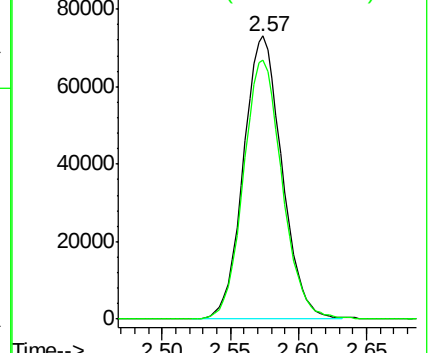
94 100

96 91.7 76.2 114.2



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 19.265 ug/l

RT: 2.71 min Scan# 292

Delta R.T. -0.00 min

Lab File: VN053279.D

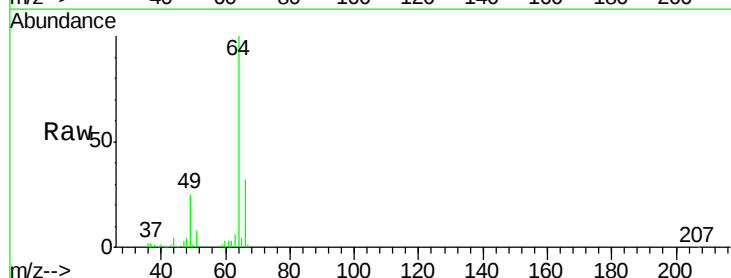
Acq: 4 Jan 2019 10:24

Tgt Ion: 64 Resp: 127866

Ion Ratio Lower Upper

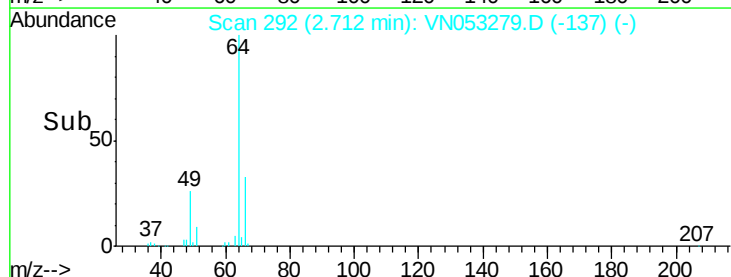
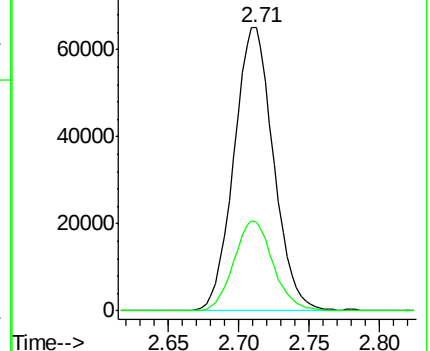
64 100

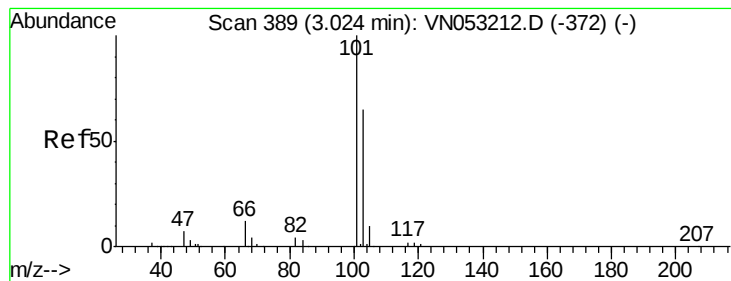
66 31.5 25.6 38.4



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0



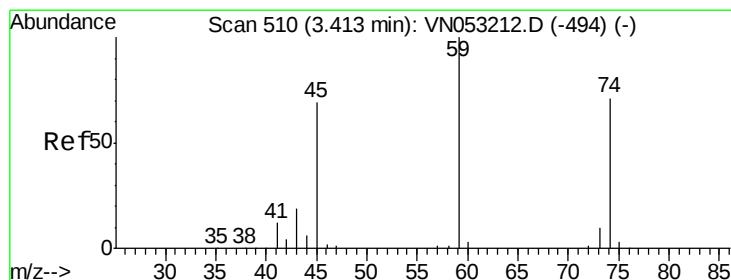
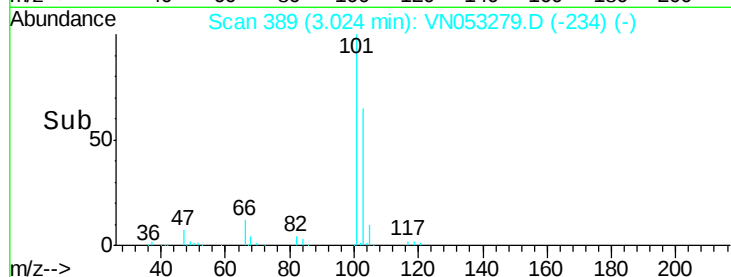
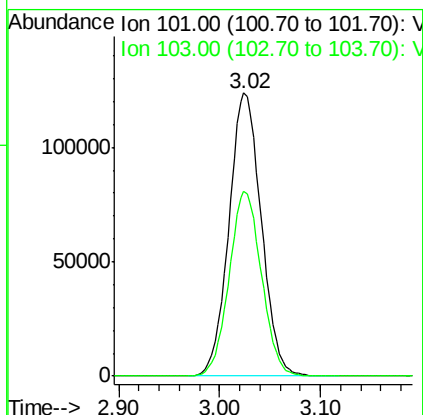
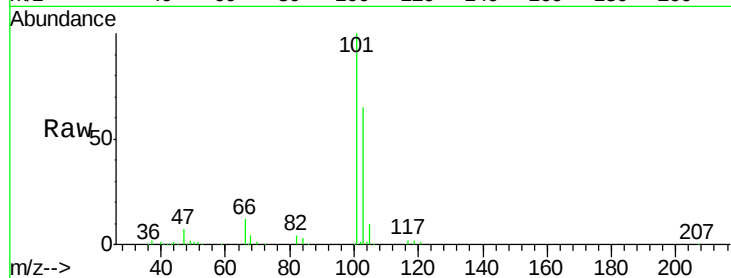


#7

Trichlorofluoromethane
 Concen: 19.392 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. -0.00 min
 Lab File: VN053279.D
 Acq: 4 Jan 2019 10:24

Instrument :
 MSVOA_N
 ClientSampled :
 VN0104WBS01

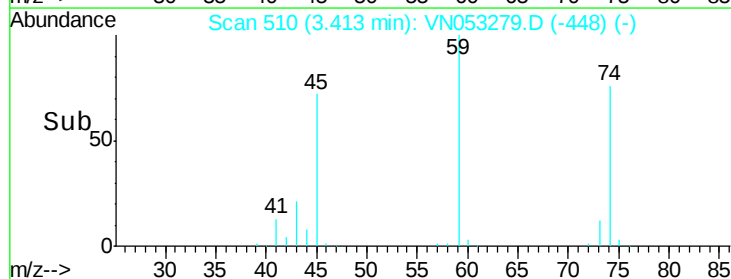
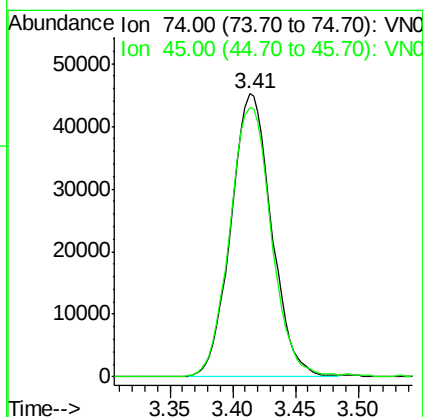
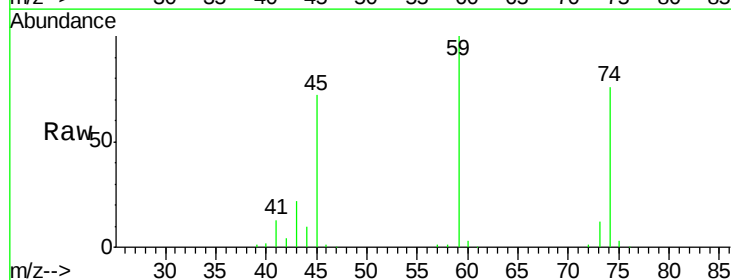
Tot Ion:101 Resp: 275924
 Ion Ratio Lower Upper
 101 100
 103 65.3 52.1 78.1

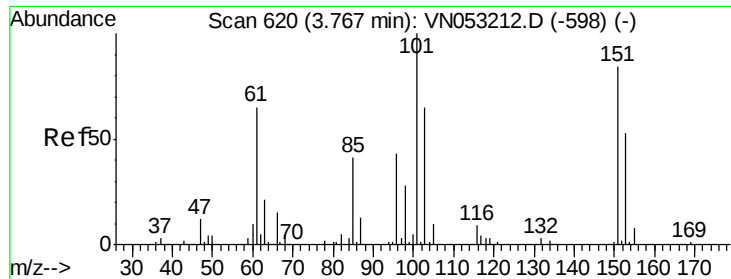


#8

Diethyl Ether
 Concen: 19.260 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VN053279.D
 Acq: 4 Jan 2019 10:24

Tgt Ion: 74 Resp: 101818
 Ion Ratio Lower Upper
 74 100
 45 97.4 20.6 185.8

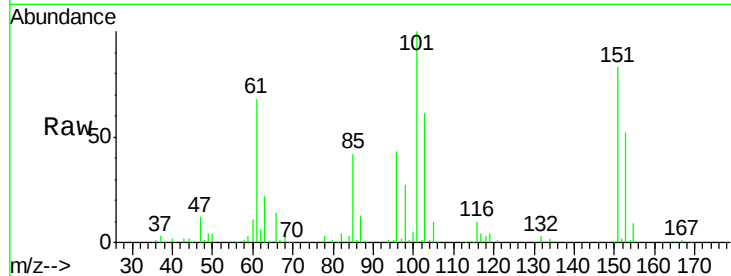




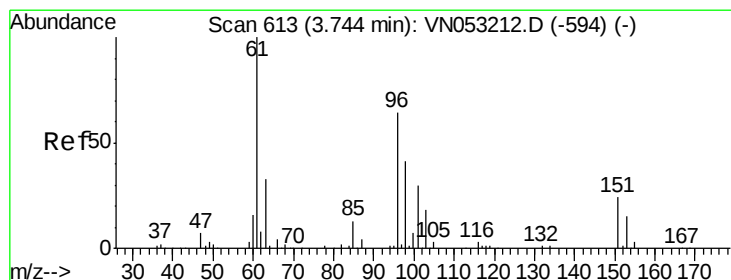
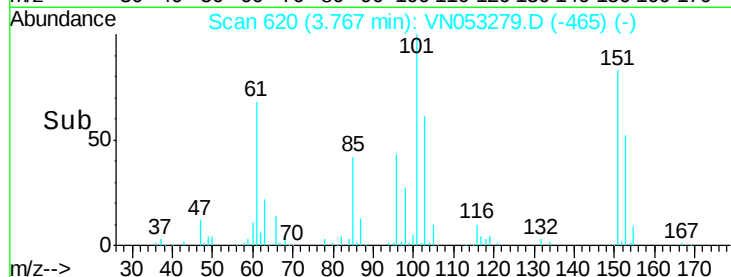
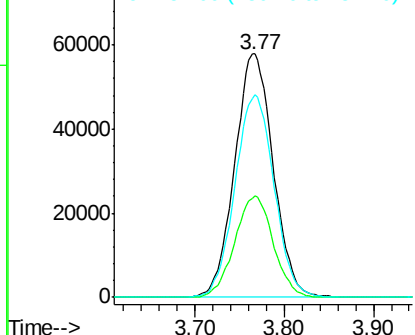
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 19.422 ug/l
 RT: 3.77 min Scan# 620
 Delta R.T. -0.00 min
 Lab File: VN053279.D
 Acq: 4 Jan 2019 10:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0104WBS01

Tot Ion:101 Resp: 173629
 Ion Ratio Lower Upper
 101 100
 85 41.6 0.0 82.6
 151 84.5 0.0 158.4

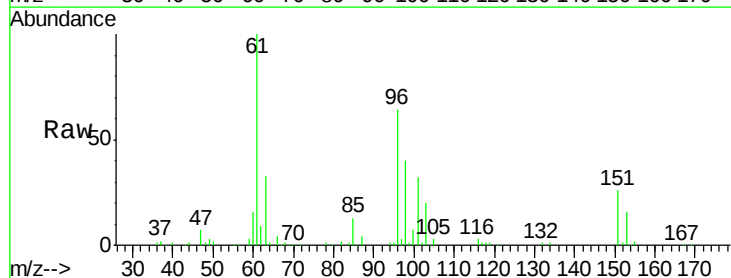


Abundance Ion 101.00 (100.70 to 101.70): V
 Ion 85.00 (84.70 to 85.70): VNO
 Ion 151.00 (150.70 to 151.70): V

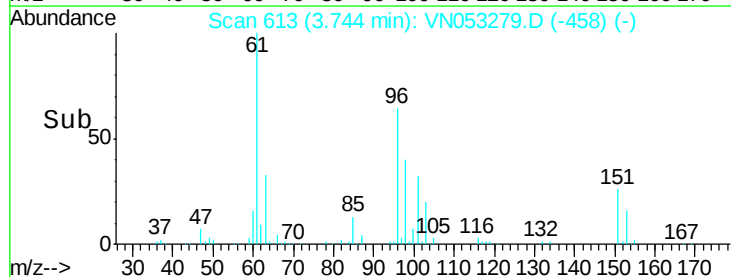
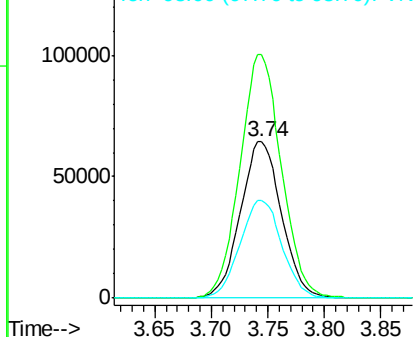


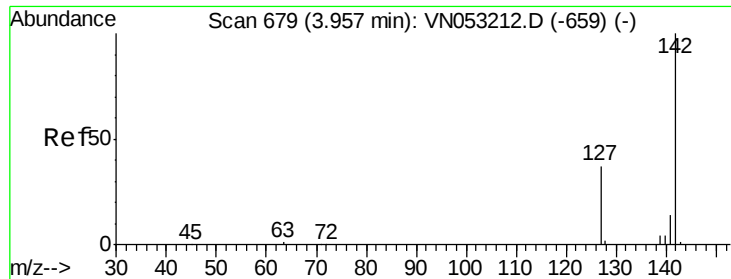
#10
 1,1-Dichloroethene
 Concen: 18.654 ug/l
 RT: 3.74 min Scan# 613
 Delta R.T. -0.00 min
 Lab File: VN053279.D
 Acq: 4 Jan 2019 10:24

Tgt Ion: 96 Resp: 162744
 Ion Ratio Lower Upper
 96 100
 61 155.4 129.4 194.2
 98 62.4 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

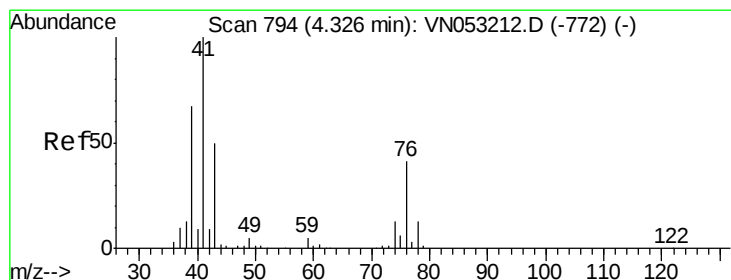
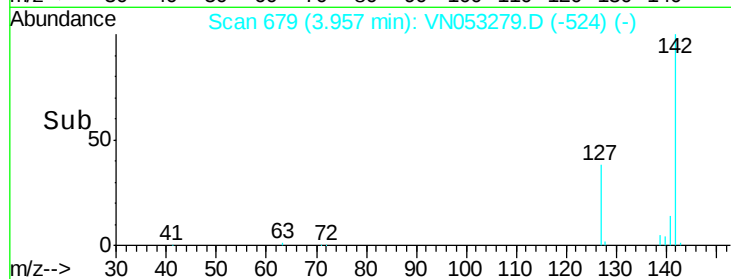
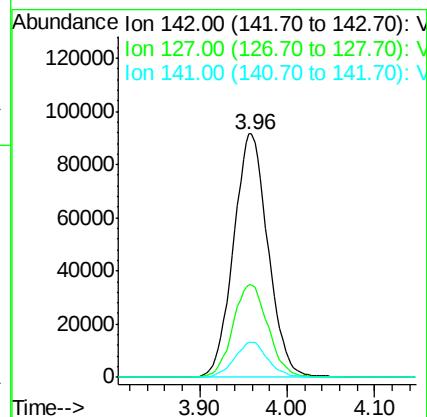
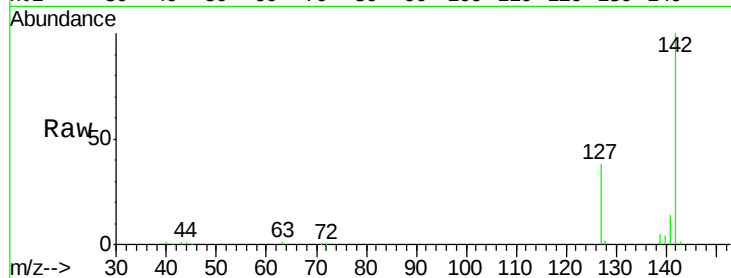




#11
Methvl Iodide
Concen: 19.637 ug/l
RT: 3.96 min Scan# 679
Delta R.T. -0.00 min
Lab File: VN053279.D
Acq: 4 Jan 2019 10:24

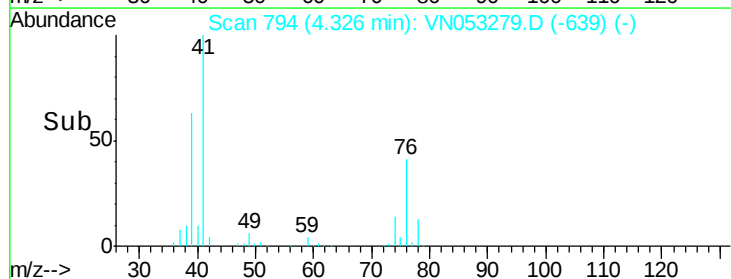
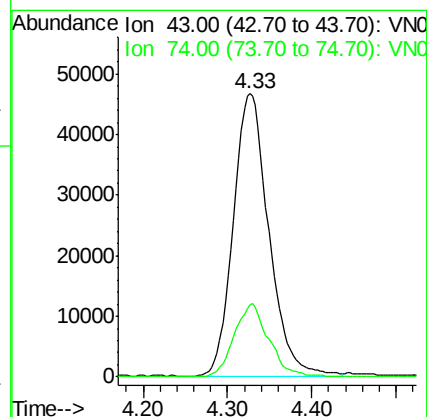
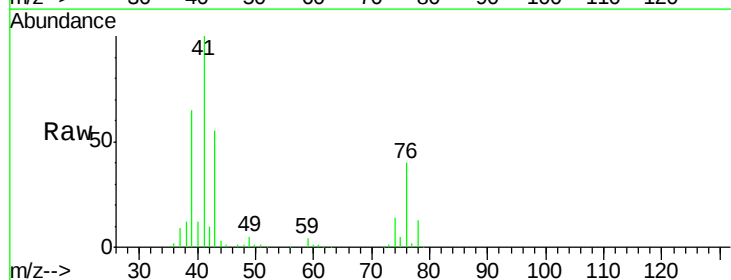
Instrument :
MSVOA_N
ClientSampleId :
VN0104WBS01

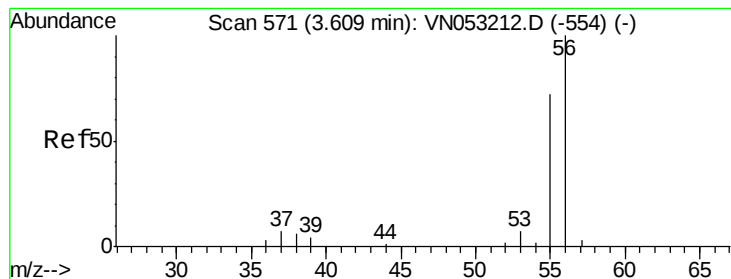
Tot Ion:142 Resp: 250888
Ion Ratio Lower Upper
142 100
127 38.2 19.4 58.1
141 14.3 7.2 21.6



#12
Methyl Acetate
Concen: 20.303 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN053279.D
Acq: 4 Jan 2019 10:24

Tgt Ion: 43 Resp: 138060
Ion Ratio Lower Upper
43 100
74 25.9 18.9 28.3





#13

Acrolein

Concen: 95.575 ug/l

RT: 3.61 min Scan# 571

Delta R.T. -0.00 min

Lab File: VN053279.D

Acq: 4 Jan 2019 10:24

Instrument :

MSVOA_N

ClientSampleId :

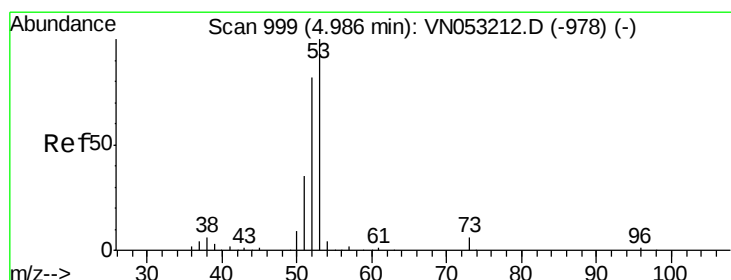
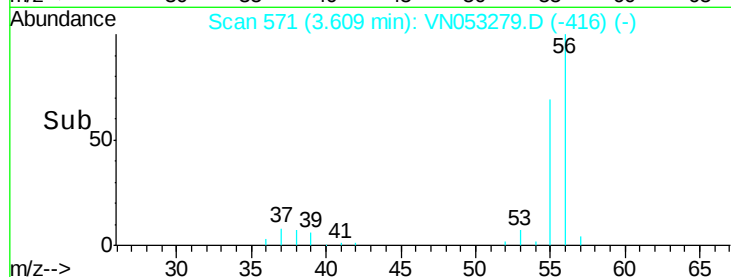
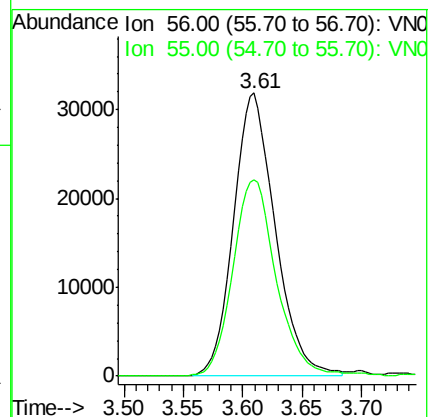
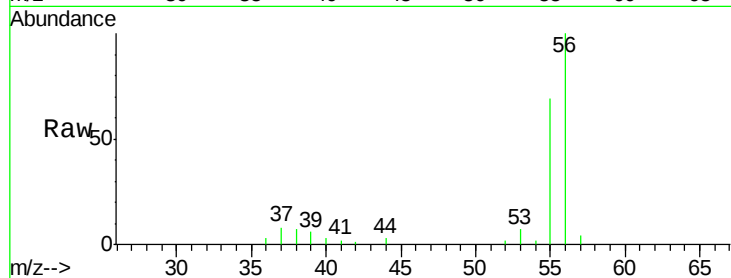
VN0104WBS01

Tot Ion: 56 Resp: 77594

Ion Ratio Lower Upper

56 100

55 71.3 56.7 85.1



#14

Acrylonitrile

Concen: 100.730 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN053279.D

Acq: 4 Jan 2019 10:24

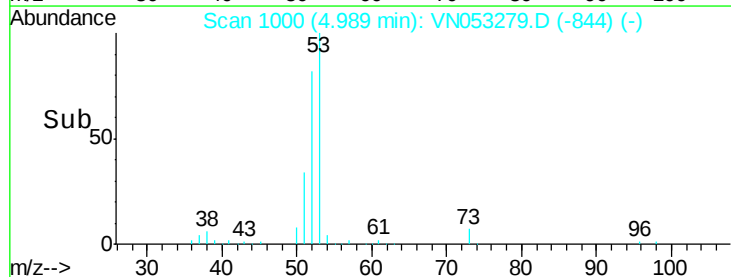
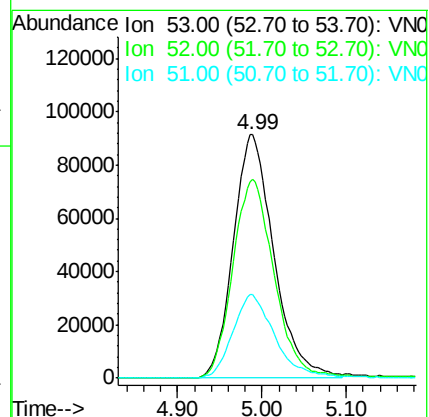
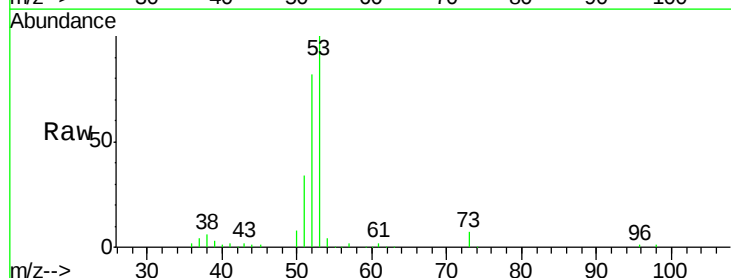
Tgt Ion: 53 Resp: 306427

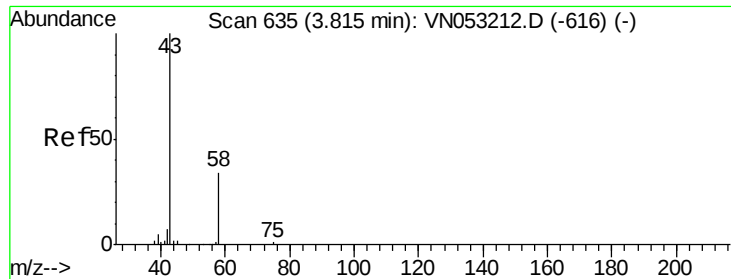
Ion Ratio Lower Upper

53 100

52 83.2 39.9 119.7

51 35.5 17.6 52.9





#15

Acetone

Concen: 125.279 ug/l

RT: 3.82 min Scan# 635

Delta R.T. -0.00 min

Lab File: VN053279.D

Acq: 4 Jan 2019 10:24

Instrument :

MSVOA_N

ClientSampled :

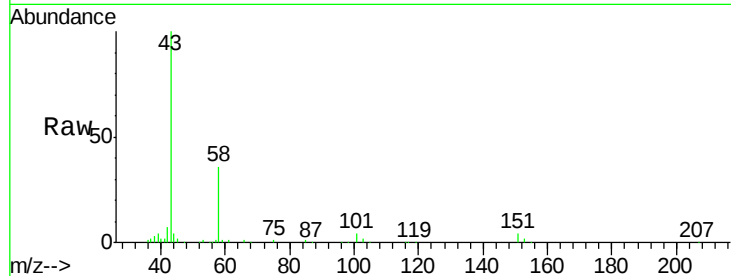
VN0104WBS01

Tot Ion: 58 Resp: 80996

Ion Ratio Lower Upper

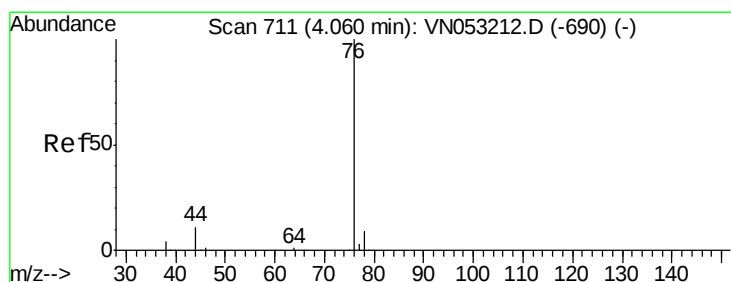
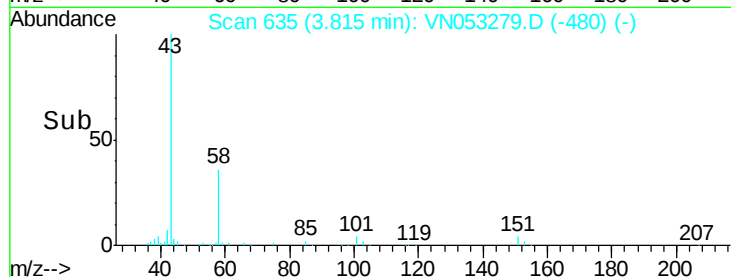
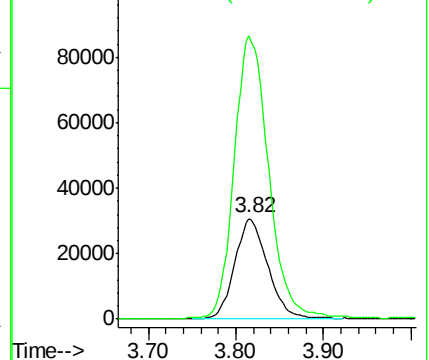
58 100

43 279.5 243.6 365.4



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 18.343 ug/l

RT: 4.06 min Scan# 711

Delta R.T. -0.00 min

Lab File: VN053279.D

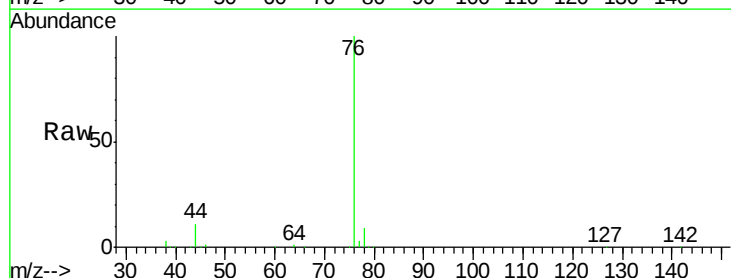
Acq: 4 Jan 2019 10:24

Tgt Ion: 76 Resp: 492292

Ion Ratio Lower Upper

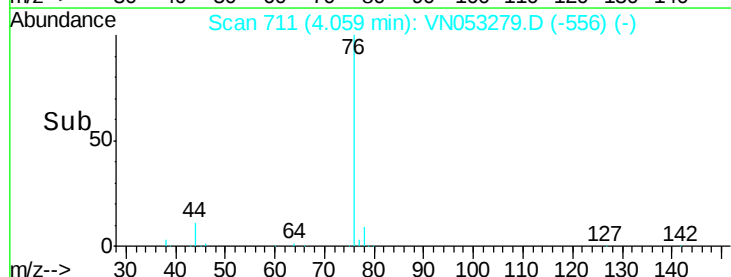
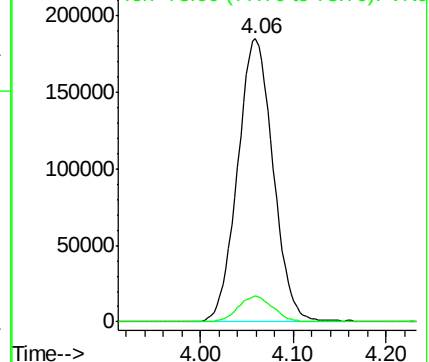
76 100

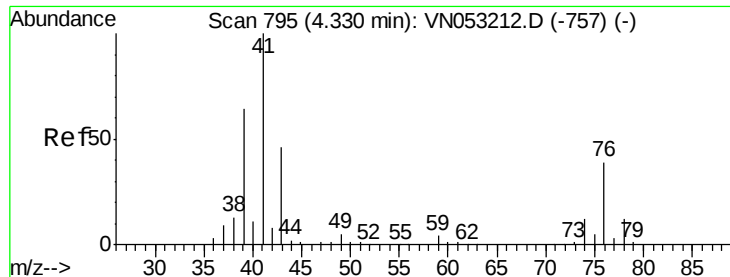
78 9.1 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0

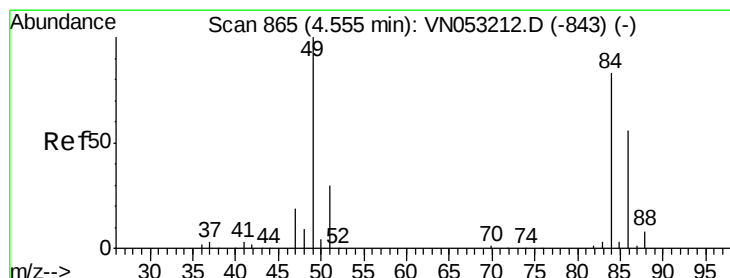
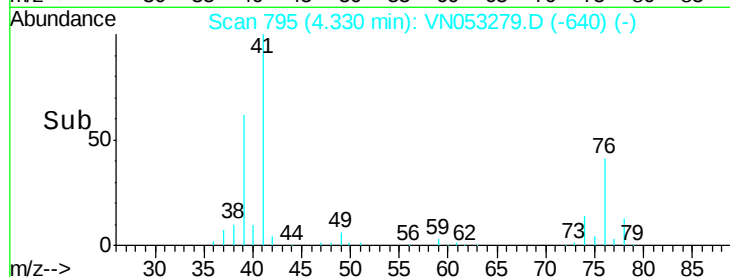
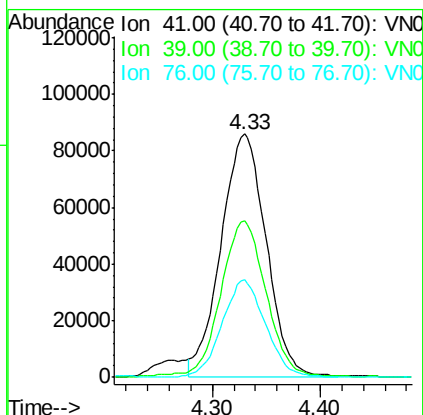
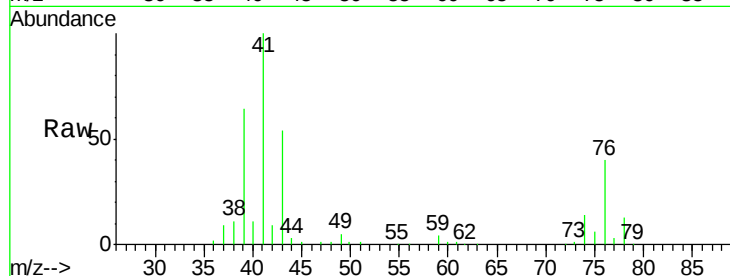




#17
Allvl chloride
Concen: 18.162 ug/l
RT: 4.33 min Scan# 795
Delta R.T. -0.00 min
Lab File: VN053279.D
Acq: 4 Jan 2019 10:24

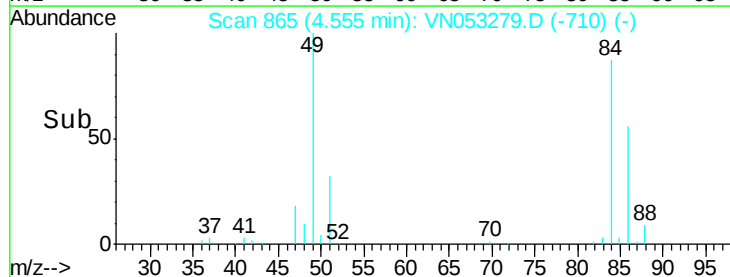
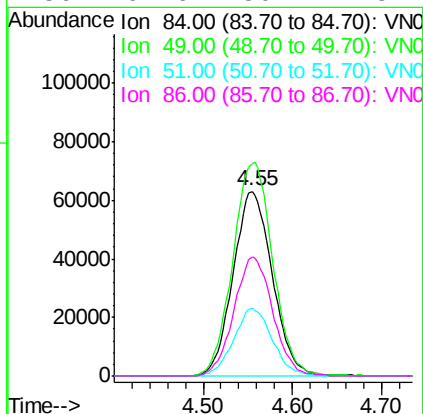
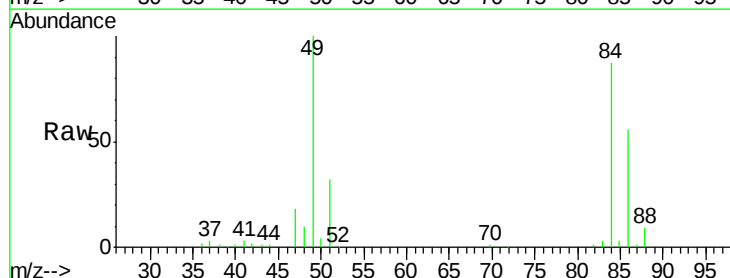
Instrument :
MSVOA_N
ClientSampled :
VN0104WBS01

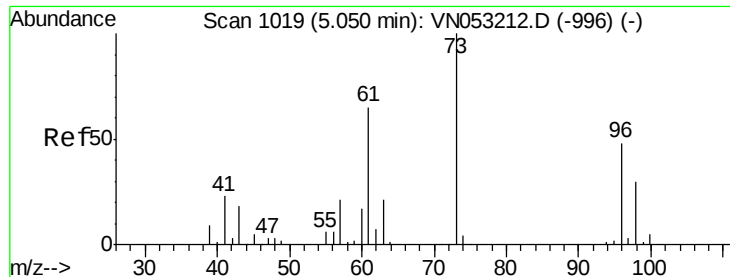
Tot Ion: 41 Resp: 249274
Ion Ratio Lower Upper
41 100
39 64.3 32.8 98.3
76 40.0 18.6 55.8



#18
Methylene Chloride
Concen: 19.347 ug/l
RT: 4.55 min Scan# 865
Delta R.T. -0.00 min
Lab File: VN053279.D
Acq: 4 Jan 2019 10:24

Tgt Ion: 84 Resp: 193174
Ion Ratio Lower Upper
84 100
49 115.2 101.4 152.0
51 36.5 31.7 47.5
86 64.6 50.1 75.1





#19

trans-1,2-Dichloroethene

Concen: 18.650 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VN053279.D

Acq: 4 Jan 2019 10:24

Instrument :

MSVOA_N

ClientSampled :

VN0104WBS01

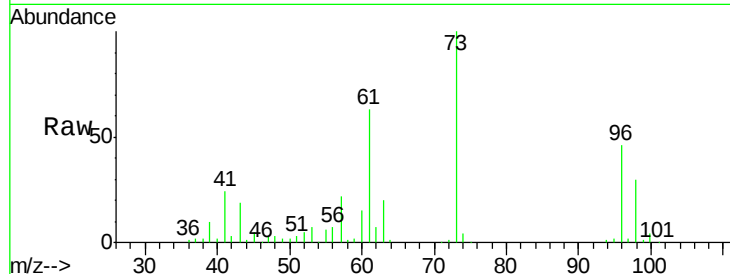
Tot Ion: 96 Resp: 171958

Ion Ratio Lower Upper

96 100

61 136.6 118.2 177.4

98 65.0 51.4 77.2

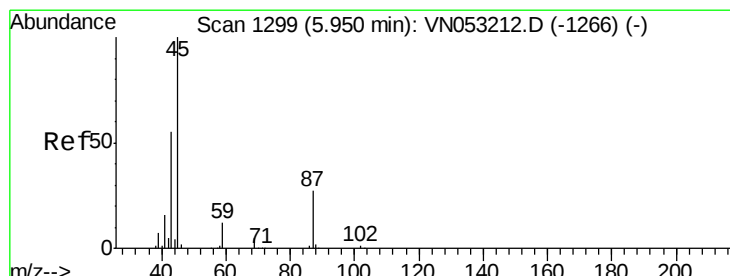
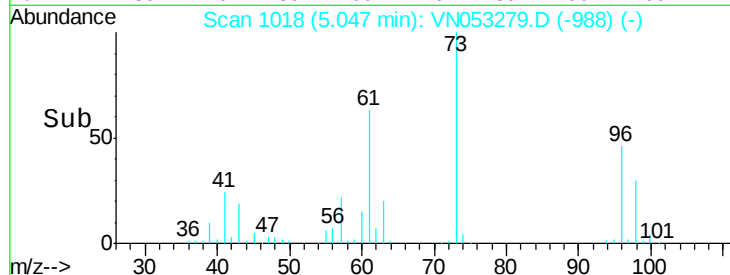
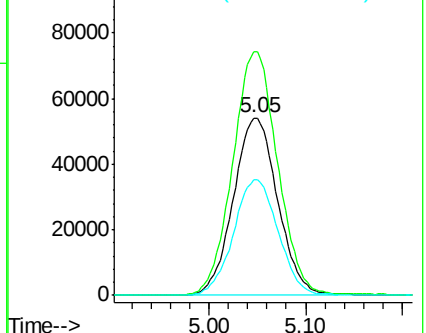


Abundance

Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#20

Diisopropyl ether

Concen: 19.354 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN053279.D

Acq: 4 Jan 2019 10:24

Tgt Ion: 45 Resp: 568857

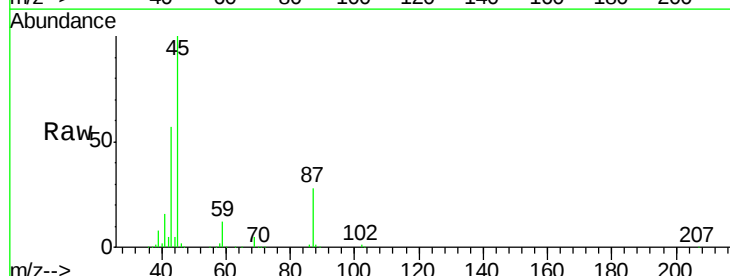
Ion Ratio Lower Upper

45 100

43 55.3 47.8 71.8

87 27.6 21.3 31.9

59 11.7 8.9 13.3



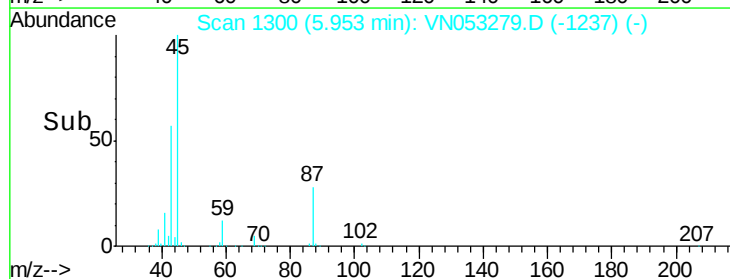
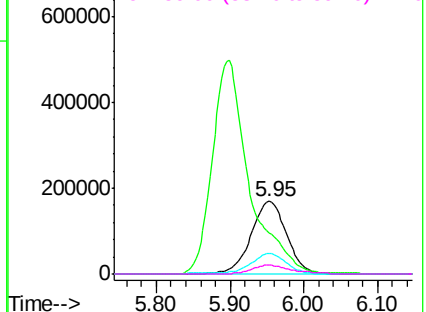
Abundance

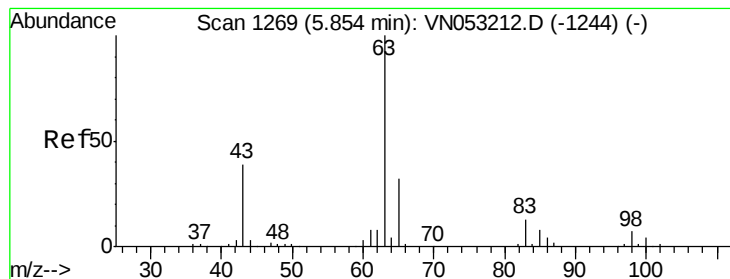
Ion 45.00 (44.70 to 45.70): VN0

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: 19.134 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VN053279.D

Acq: 4 Jan 2019 10:24

Instrument :

MSVOA_N

ClientSampleId :

VN0104WBS01

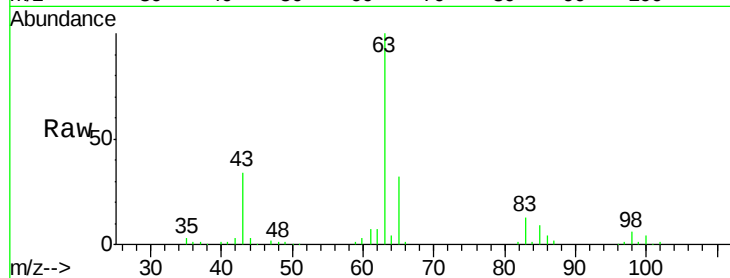
Tot Ion: 63 Resp: 327446

Ion Ratio Lower Upper

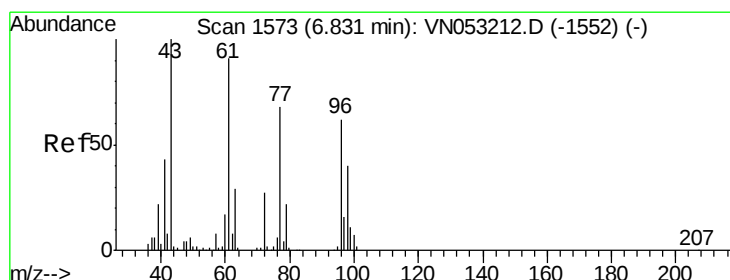
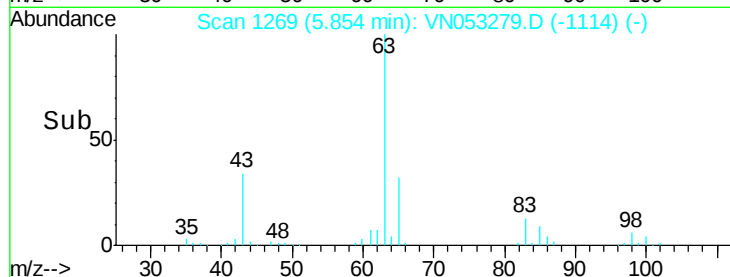
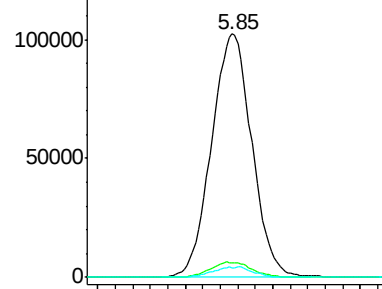
63 100

98 6.2 3.0 9.2

100 4.0 1.8 5.5



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



#22

cis-1,2-Dichloroethene

Concen: 19.257 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN053279.D

Acq: 4 Jan 2019 10:24

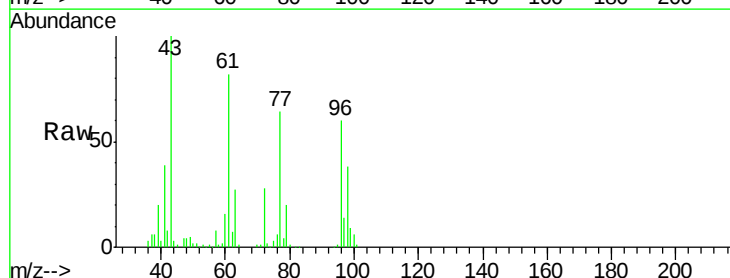
Tgt Ion: 96 Resp: 200002

Ion Ratio Lower Upper

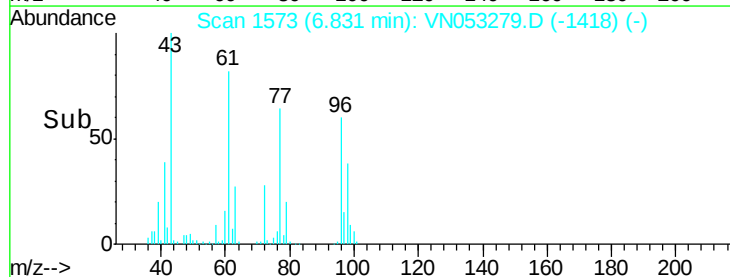
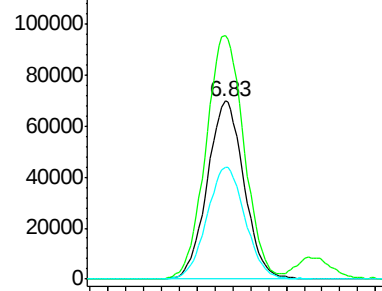
96 100

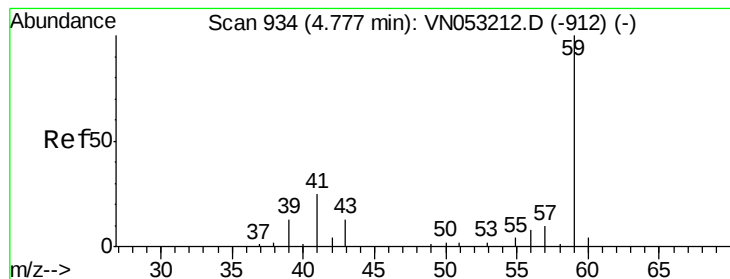
61 142.0 116.7 175.1

98 65.3 50.8 76.2



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





#23

tert-Butyl Alcohol

Concen: 91.808 ug/l

RT: 4.77 min Scan# 933

Delta R.T. -0.00 min

Lab File: VN053279.D

Acq: 4 Jan 2019 10:24

Instrument :

MSVOA_N

ClientSampled :

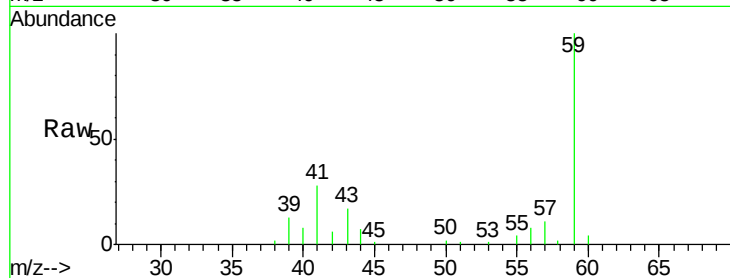
VN0104WBS01

Tot Ion: 59 Resp: 47081

Ion Ratio Lower Upper

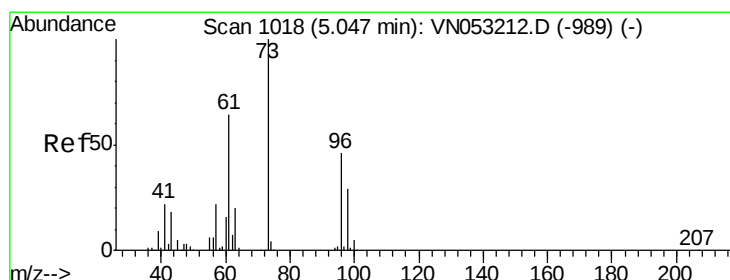
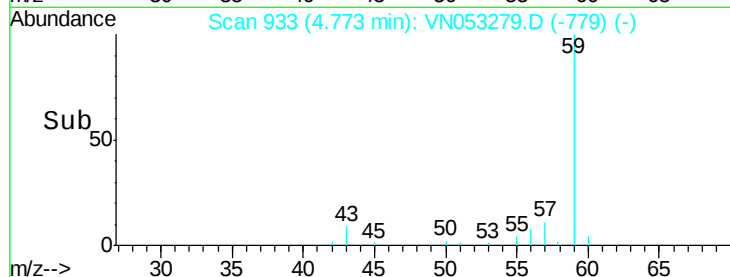
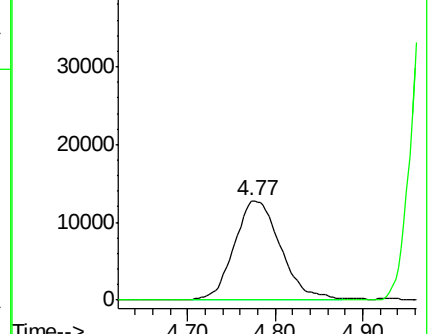
59 100

52 0.0 0.0 0.0



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#24

Methyl tert-Butyl Ether

Concen: 19.185 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VN053279.D

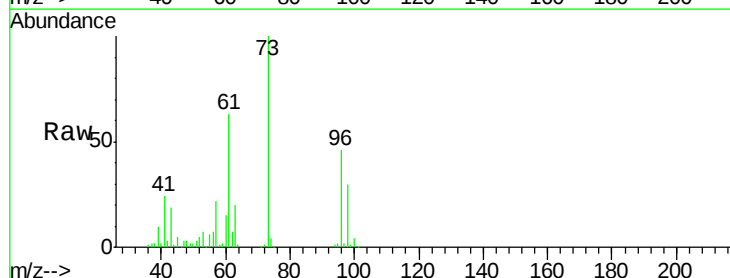
Acq: 4 Jan 2019 10:24

Tgt Ion: 73 Resp: 436462

Ion Ratio Lower Upper

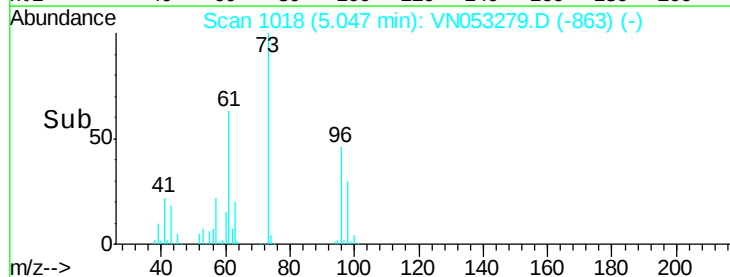
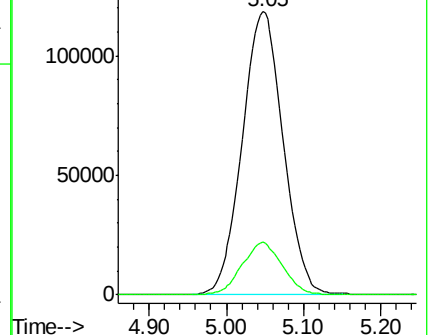
73 100

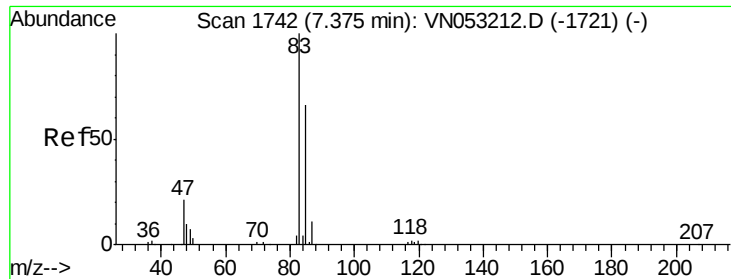
43 18.1 15.8 23.8



Abundance Ion 73.00 (72.70 to 73.70): VN0

Ion 43.00 (42.70 to 43.70): VN0





#25

Chloroform

Concen: 19.695 ug/l

RT: 7.37 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VN053279.D

Acq: 4 Jan 2019 10:24

Instrument :

MSVOA_N

ClientSampled :

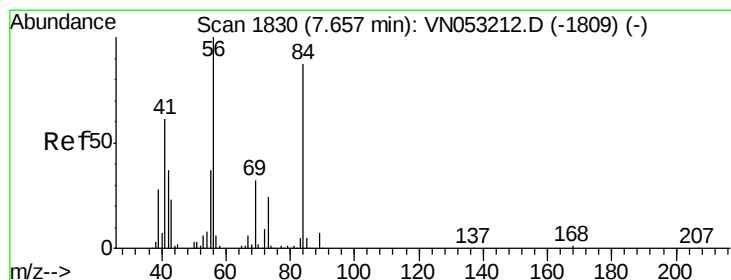
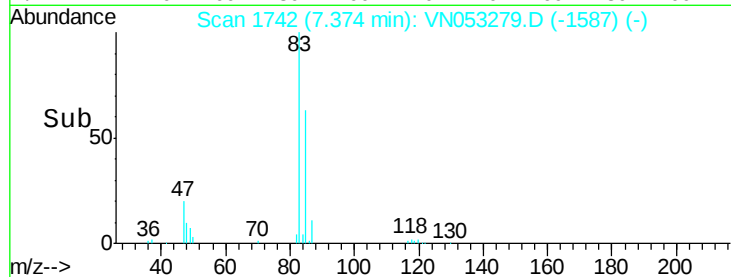
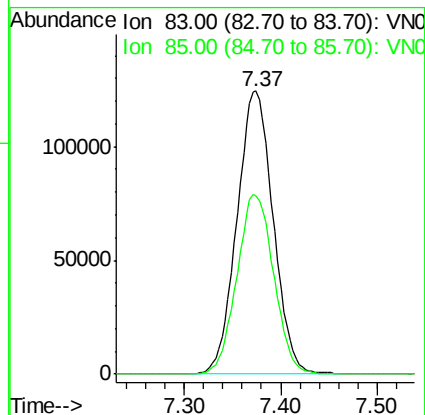
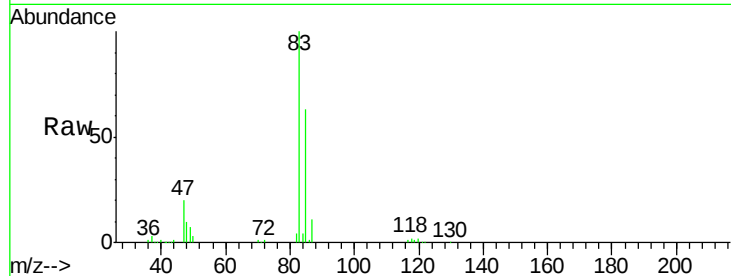
VN0104WBS01

Tot Ion: 83 Resp: 323980

Ion Ratio Lower Upper

83 100

85 63.2 51.7 77.5



#26

Cyclohexane

Concen: 18.316 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN053279.D

Acq: 4 Jan 2019 10:24

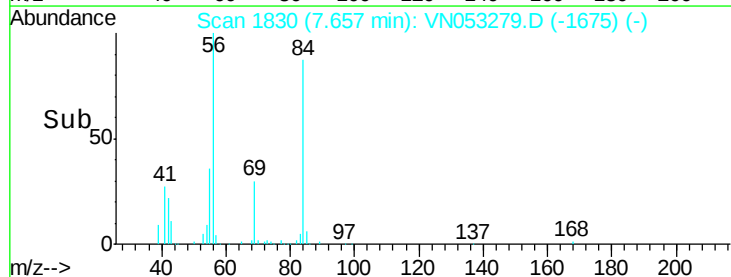
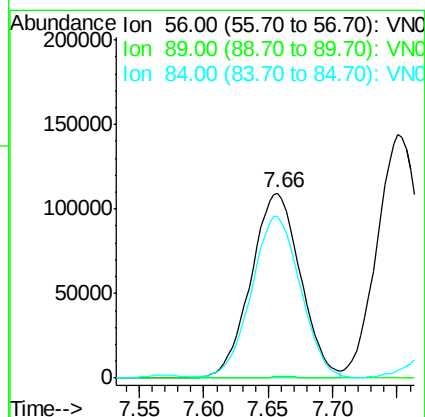
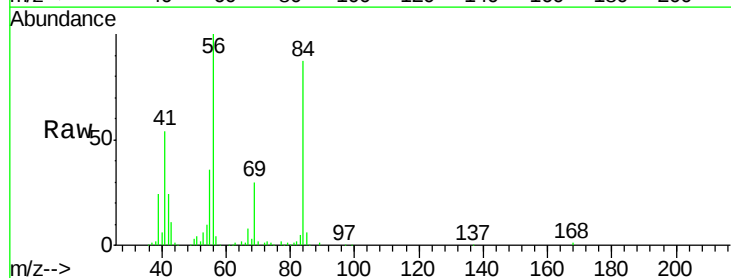
Tgt Ion: 56 Resp: 292352

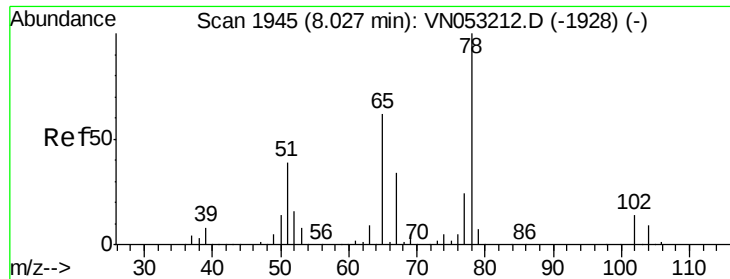
Ion Ratio Lower Upper

56 100

89 0.3 0.5 0.7#

84 85.7 66.2 99.2

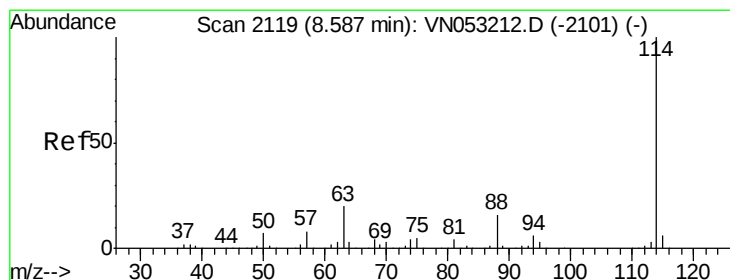
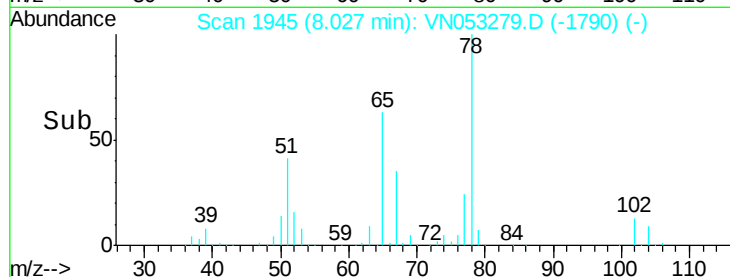
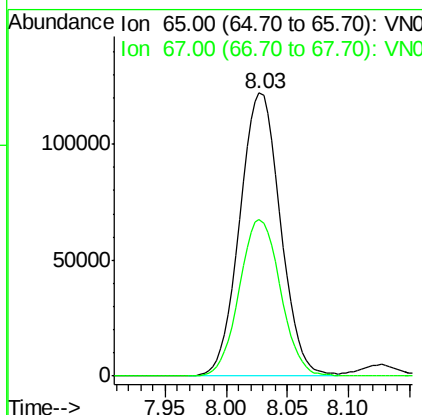
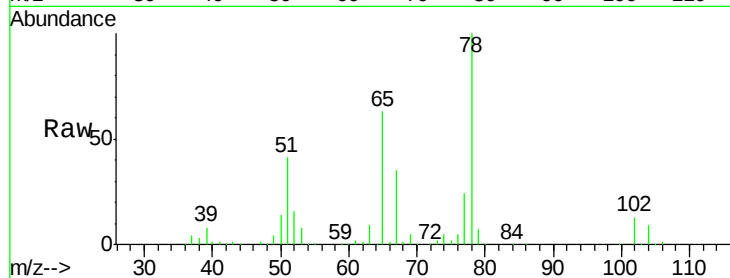




#27
 1,2-Dichloroethane-d4
 Concen: 18.316 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN053279.D
 Acq: 4 Jan 2019 10:24

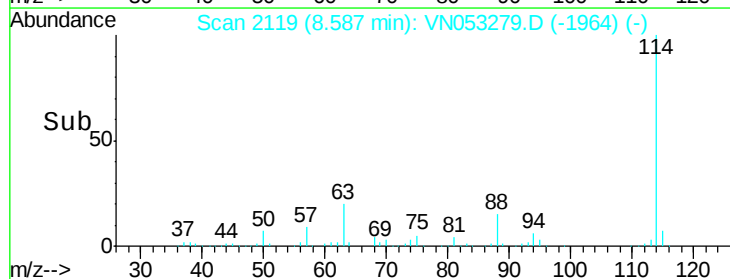
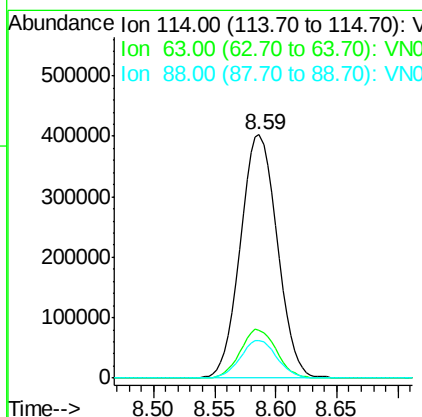
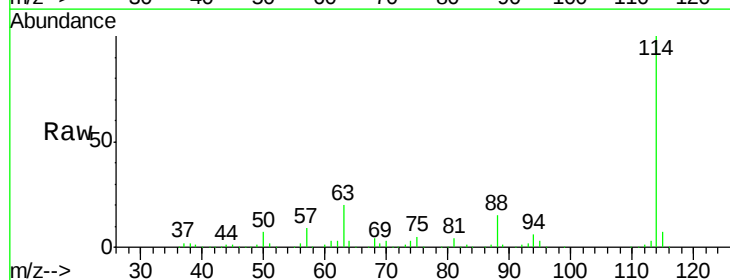
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0104WBS01

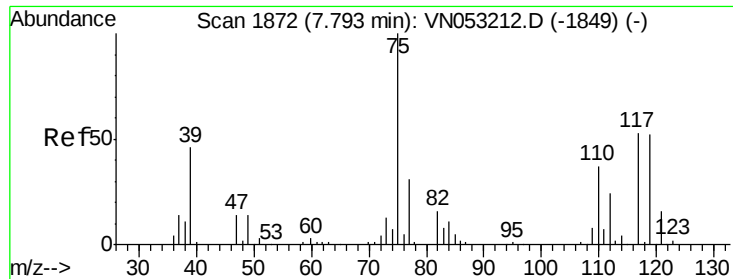
Tot Ion: 65 Resp: 281975
 Ion Ratio Lower Upper
 65 100
 67 55.9 44.6 66.8



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN053279.D
 Acq: 4 Jan 2019 10:24

Tgt Ion: 114 Resp: 840786
 Ion Ratio Lower Upper
 114 100
 63 19.7 16.9 25.3
 88 15.2 12.8 19.2





#29

1,1-Dichloropropene

Concen: 19.540 ug/l

RT: 7.79 min Scan# 1872

Delta R.T. -0.00 min

Lab File: VN053279.D

Acq: 4 Jan 2019 10:24

Instrument :

MSVOA_N

ClientSampled :

VN0104WBS01

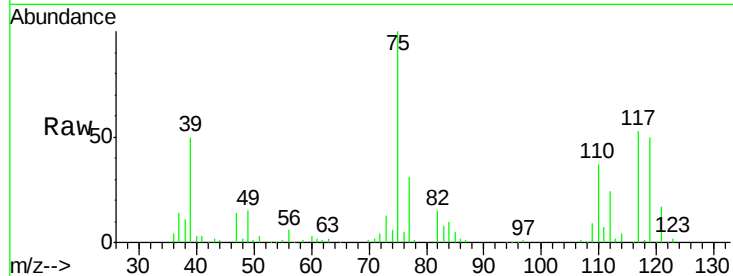
Tot Ion: 75 Resp: 248866

Ion Ratio Lower Upper

75 100

110 36.6 0.0 70.2

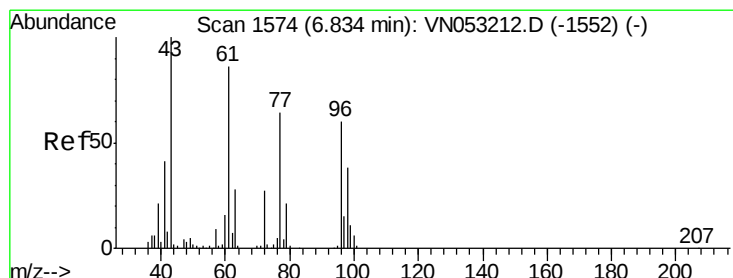
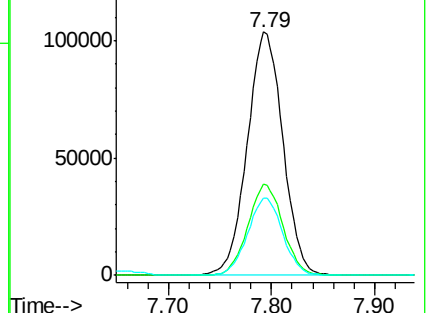
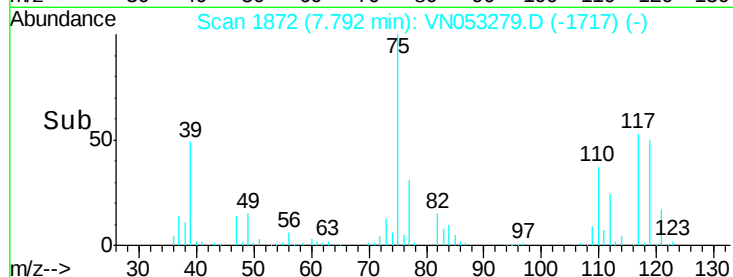
77 31.4 0.0 62.6



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 110.00 (109.70 to 110.70): VN0

Ion 77.00 (76.70 to 77.70): VN0



#30

2-Butanone

Concen: 108.910 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VN053279.D

Acq: 4 Jan 2019 10:24

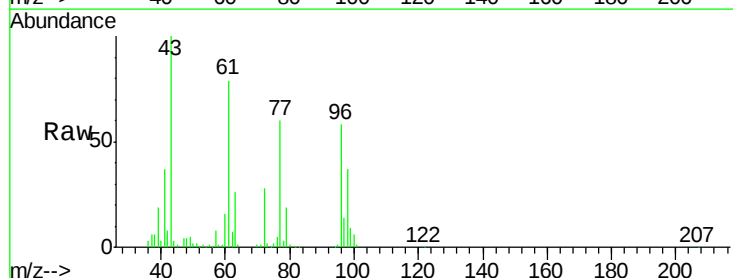
Tgt Ion: 43 Resp: 346051

Ion Ratio Lower Upper

43 100

57 8.5 6.2 9.4

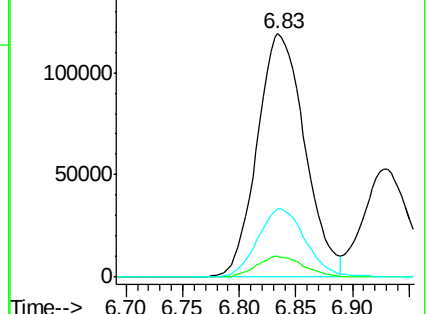
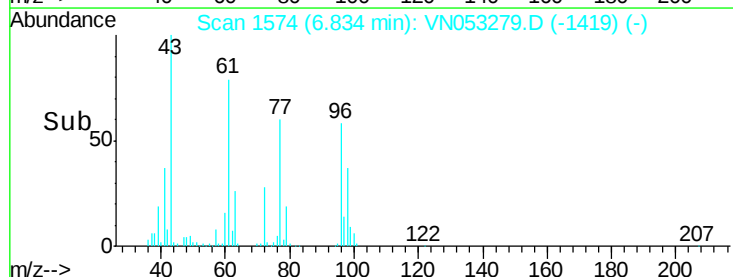
72 28.4 21.0 31.6

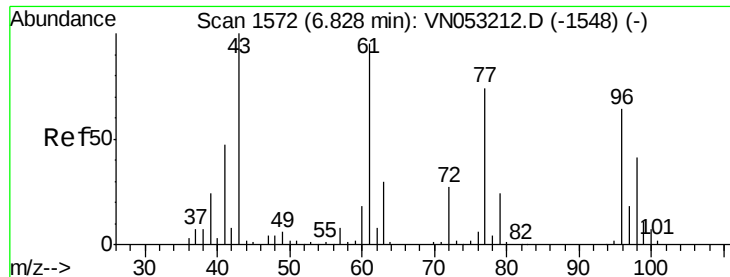


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

Ion 72.00 (71.70 to 72.70): VN0





#31

2,2-Dichloropropane

Concen: 19.243 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN053279.D

Acq: 4 Jan 2019 10:24

Instrument :

MSVOA_N

ClientSampled :

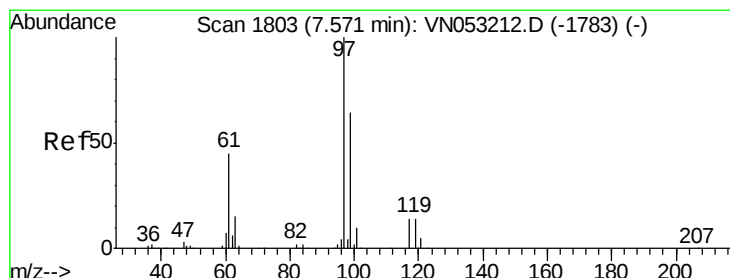
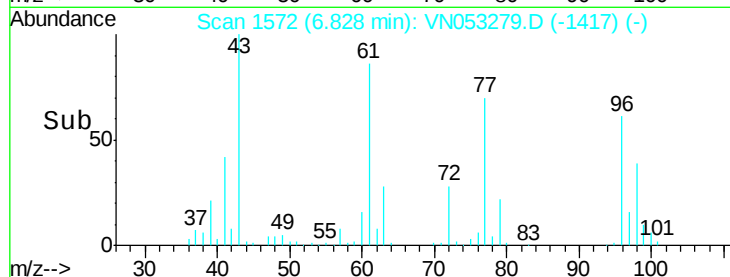
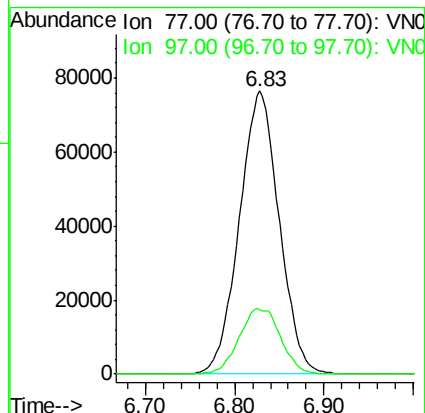
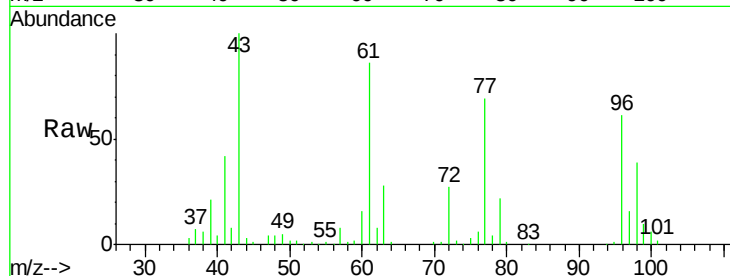
VN0104WBS01

Tot Ion: 77 Resp: 237252

Ion Ratio Lower Upper

77 100

97 13.9 18.7 28.1#



#32

1,1,1-Trichloroethane

Concen: 19.959 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN053279.D

Acq: 4 Jan 2019 10:24

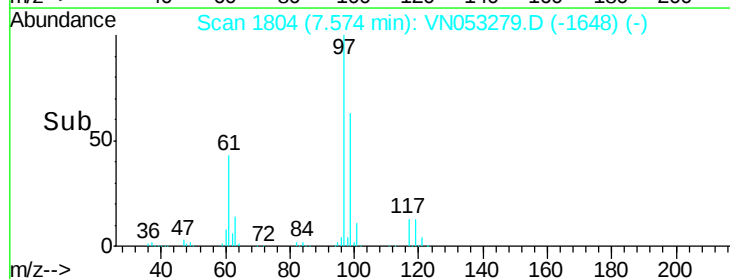
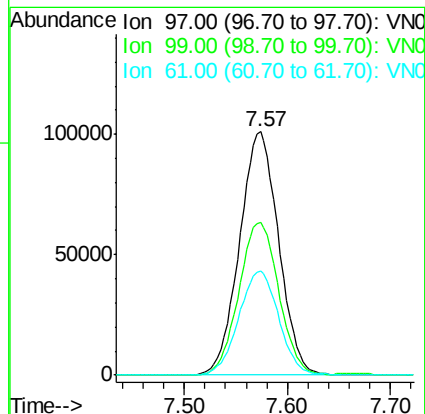
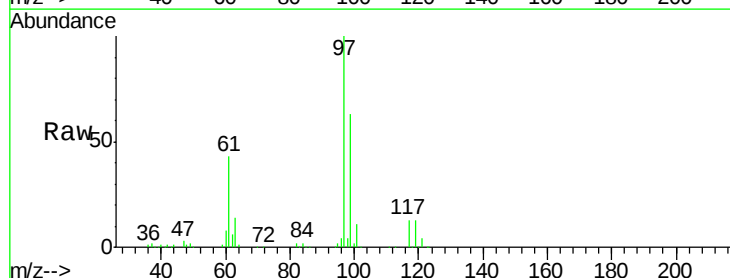
Tgt Ion: 97 Resp: 266327

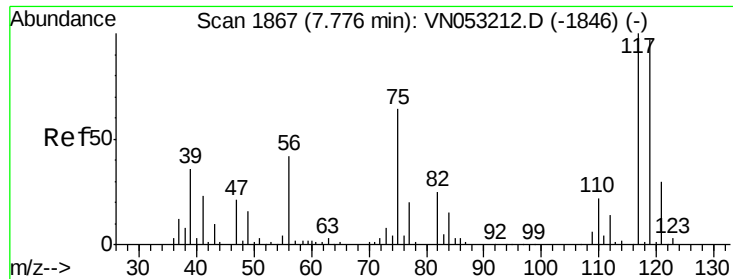
Ion Ratio Lower Upper

97 100

99 64.0 50.9 76.3

61 43.8 38.1 57.1

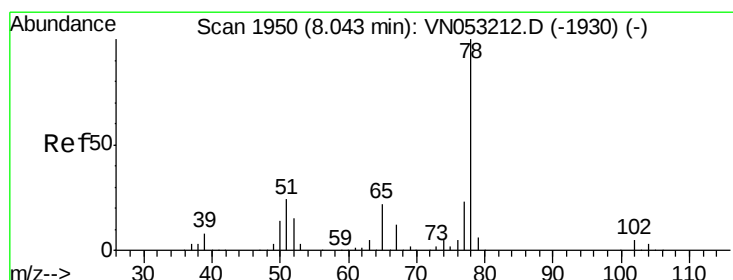
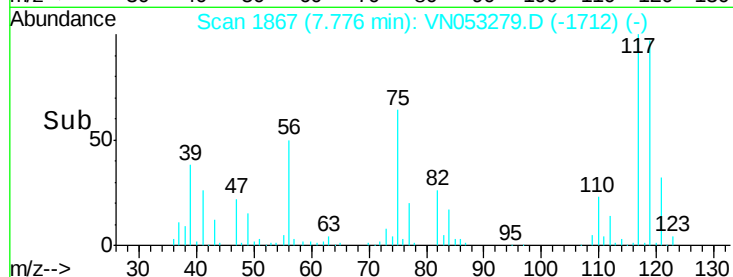
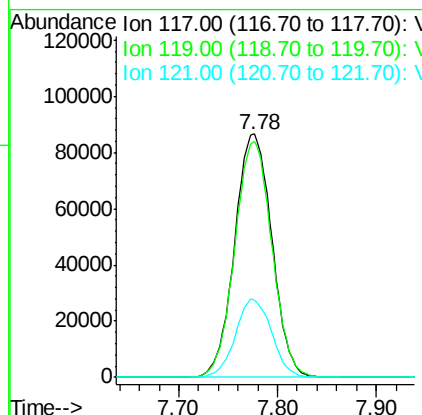
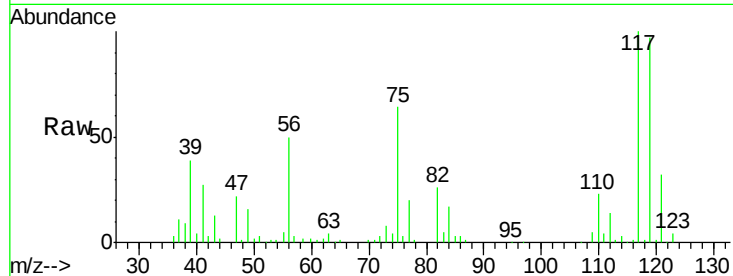




#33
Carbon Tetrachloride
Concen: 19.445 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VN053279.D
Acq: 4 Jan 2019 10:24

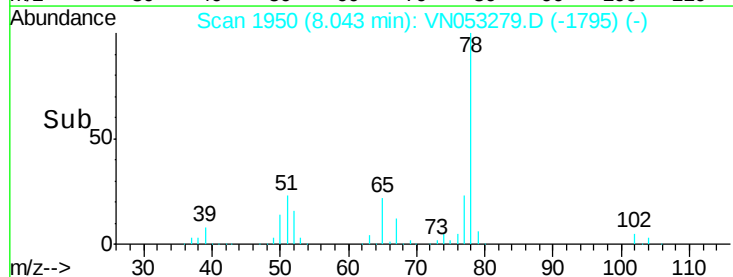
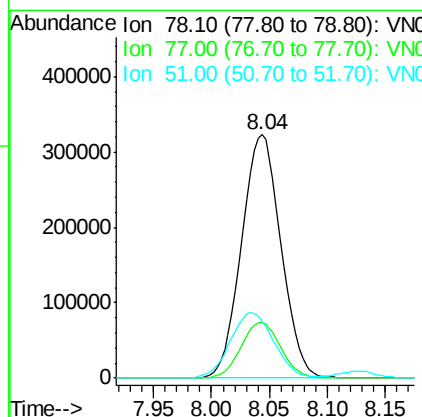
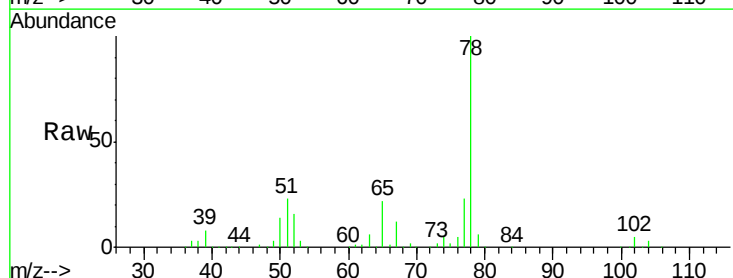
Instrument :
MSVOA_N
ClientSampleId :
VN0104WBS01

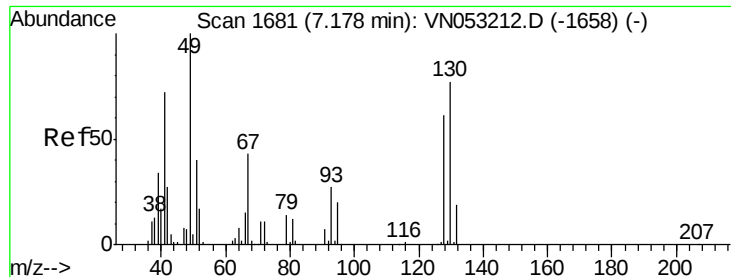
Tot Ion:117 Resp: 227122
Ion Ratio Lower Upper
117 100
119 96.8 77.3 115.9
121 31.9 24.9 37.3



#34
Benzene
Concen: 19.960 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN053279.D
Acq: 4 Jan 2019 10:24

Tgt Ion: 78 Resp: 763955
Ion Ratio Lower Upper
78 100
77 22.7 19.0 28.6
51 23.2 20.5 30.7

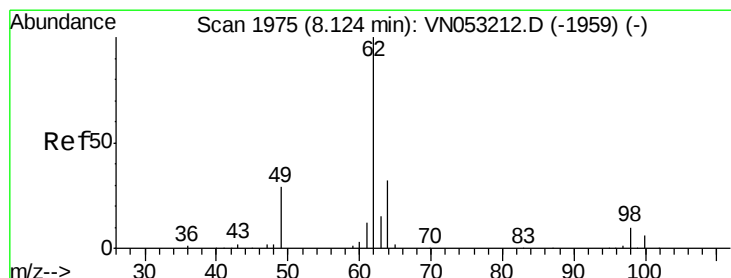
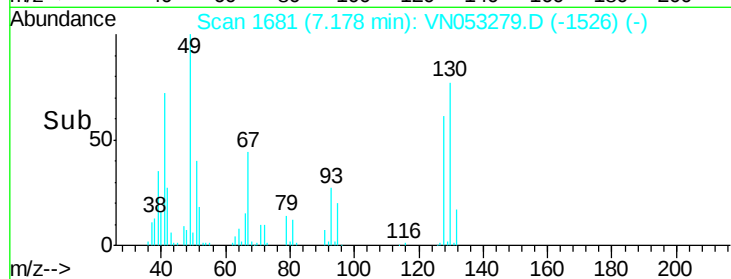
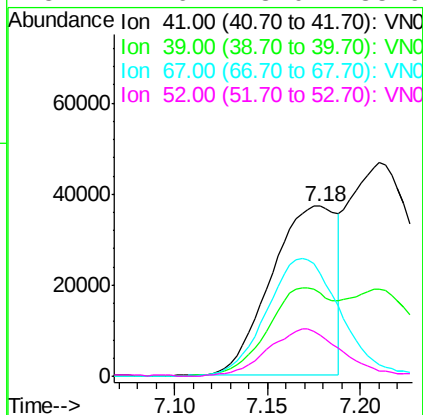
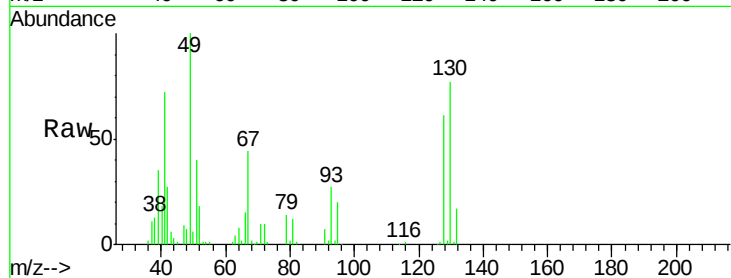




#35
Methacrylonitrile
Concen: 22.172 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. -0.00 min
Lab File: VN053279.D
Acq: 4 Jan 2019 10:24

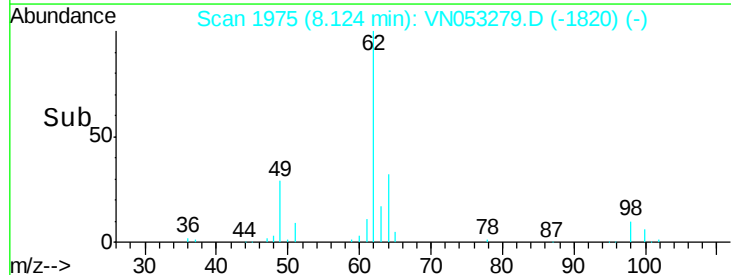
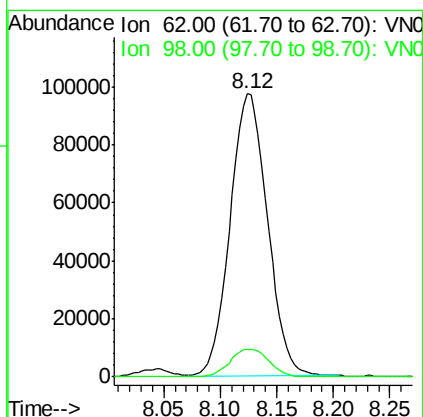
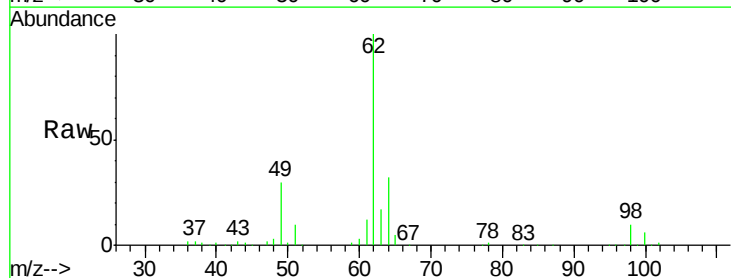
Instrument :
MSVOA_N
ClientSampleId :
VN0104WBS01

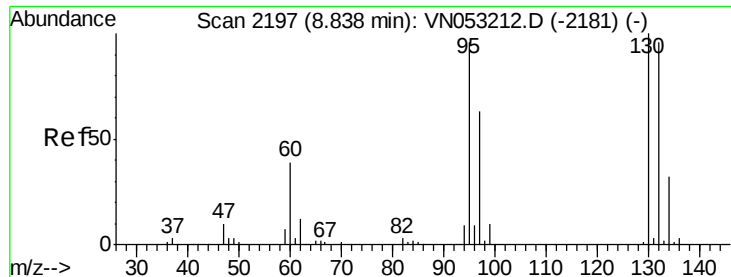
Tot Ion:	41	Resp:	90906
Ion	Ratio	Lower	Upper
41	100		
39	49.0	26.6	79.7
67	60.8	32.3	96.9
52	24.6	13.0	38.9



#36
1,2-Dichloroethane
Concen: 20.222 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN053279.D
Acq: 4 Jan 2019 10:24

Tgt Ion:	62	Resp:	224698
Ion	Ratio	Lower	Upper
62	100		
98	10.2	7.4	11.2

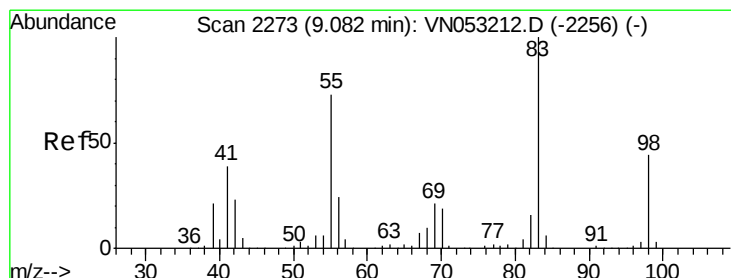
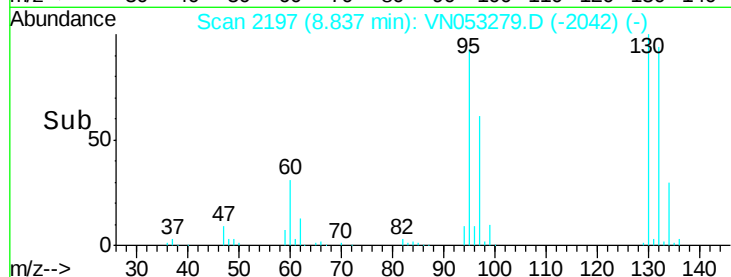
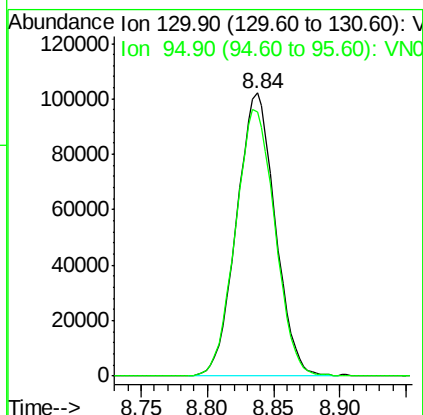
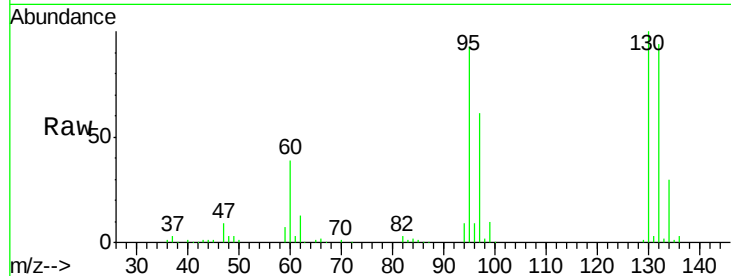




#37
 Trichloroethene
 Concen: 19.940 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. -0.00 min
 Lab File: VN053279.D
 Acq: 4 Jan 2019 10:24

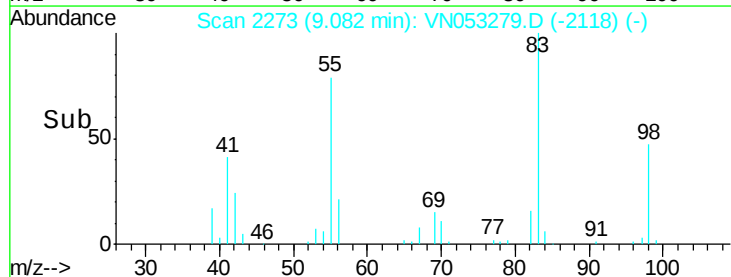
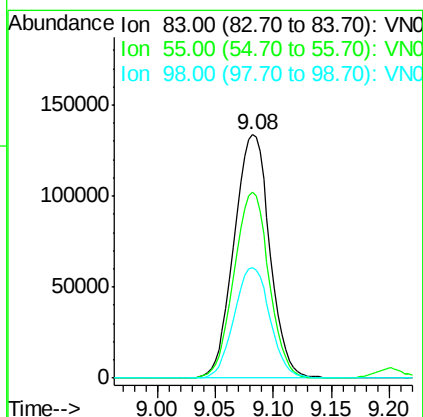
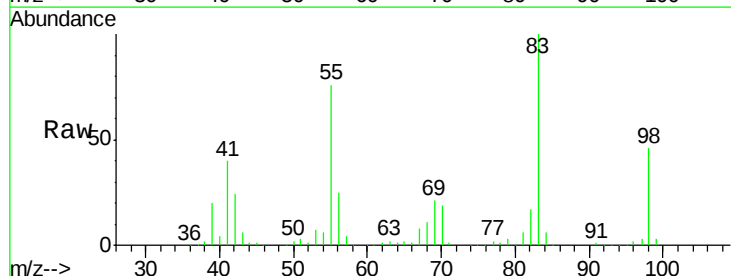
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0104WBS01

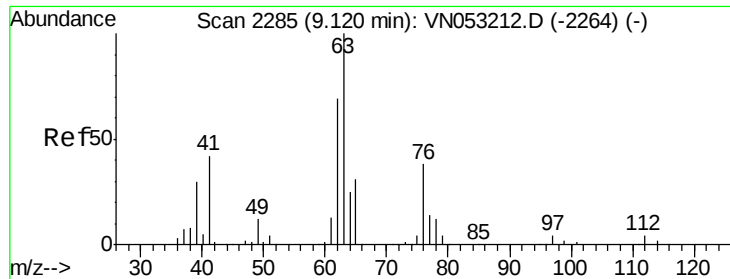
Tot Ion:130 Resp: 206749
 Ion Ratio Lower Upper
 130 100
 95 93.5 81.0 121.4



#38
 Methylcyclohexane
 Concen: 19.209 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. -0.00 min
 Lab File: VN053279.D
 Acq: 4 Jan 2019 10:24

Tgt Ion: 83 Resp: 286145
 Ion Ratio Lower Upper
 83 100
 55 74.8 39.8 119.4
 98 45.5 22.9 68.5

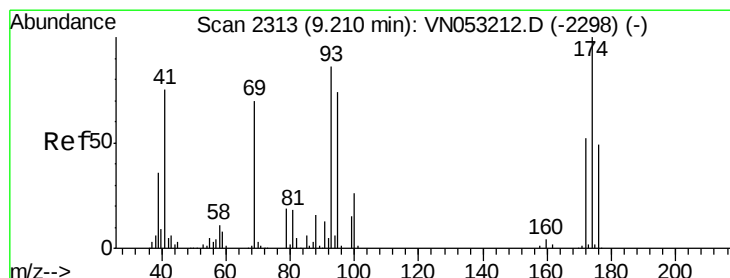
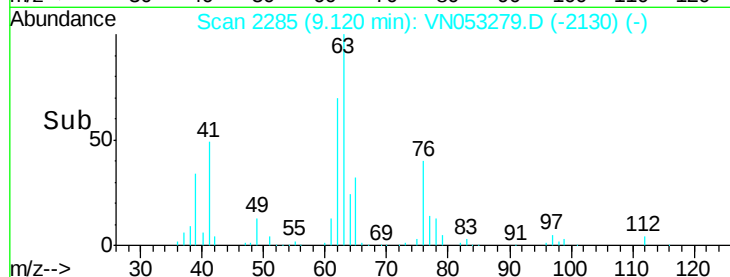
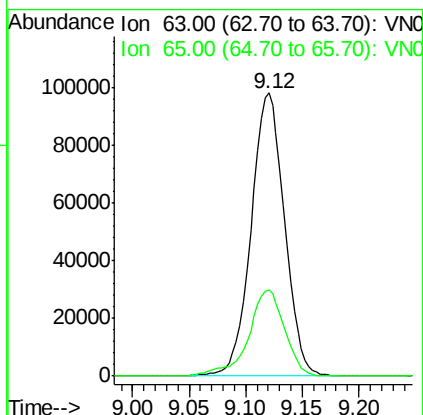
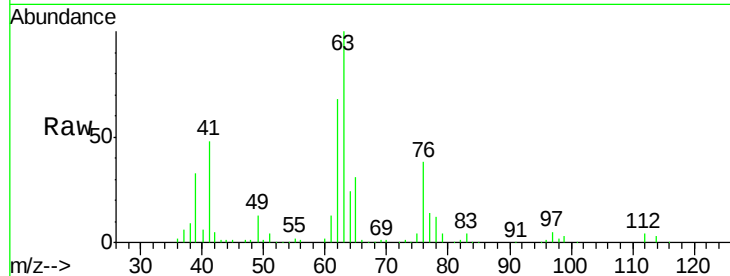




#39
 1,2-Dichloropropane
 Concen: 20.078 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN053279.D
 Acq: 4 Jan 2019 10:24

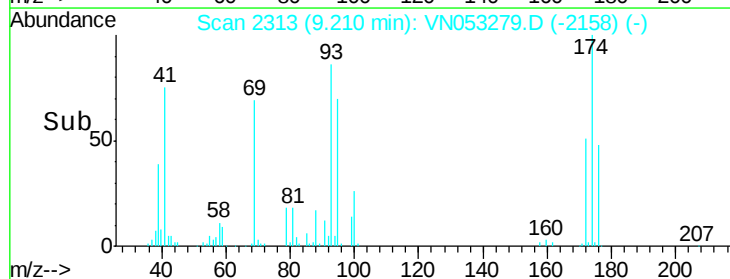
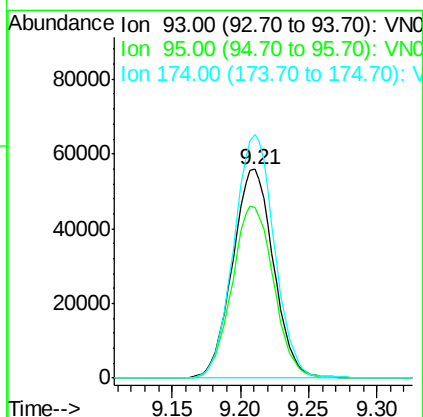
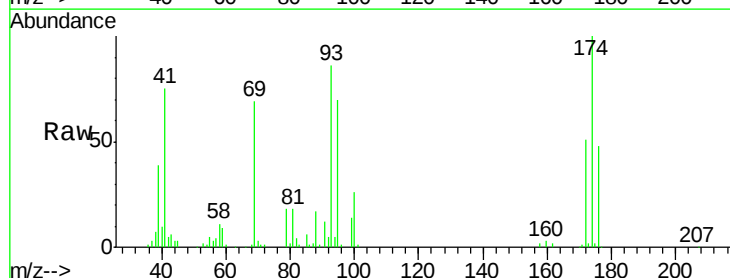
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0104WBS01

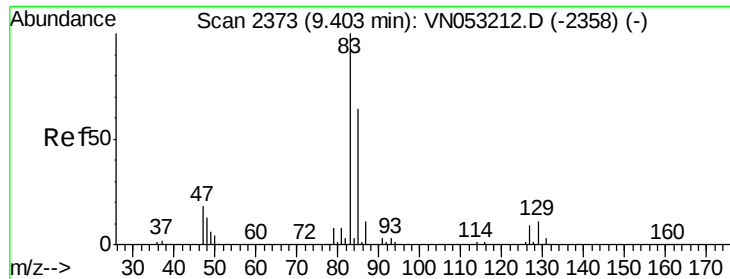
Tot Ion: 63 Resp: 200674
 Ion Ratio Lower Upper
 63 100
 65 30.6 23.6 35.4



#40
 Dibromomethane
 Concen: 20.633 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. -0.00 min
 Lab File: VN053279.D
 Acq: 4 Jan 2019 10:24

Tgt Ion: 93 Resp: 116626
 Ion Ratio Lower Upper
 93 100
 95 83.1 0.0 168.4
 174 114.8 0.0 210.0





#41

Bromodichloromethane

Concen: 19.894 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN053279.D

Acq: 4 Jan 2019 10:24

Instrument :

MSVOA_N

ClientSampleId :

VN0104WBS01

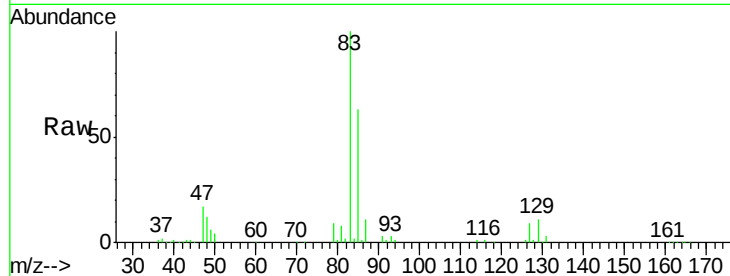
Tot Ion: 83 Resp: 241481

Ion Ratio Lower Upper

83 100

85 63.3 52.4 78.6

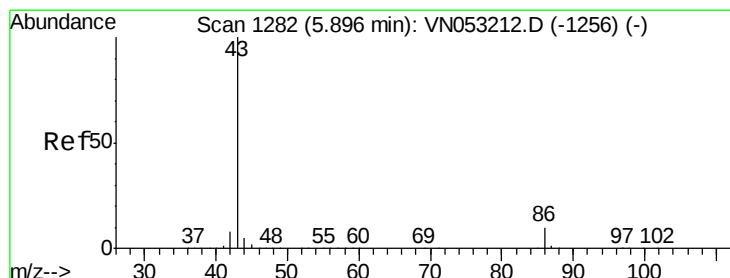
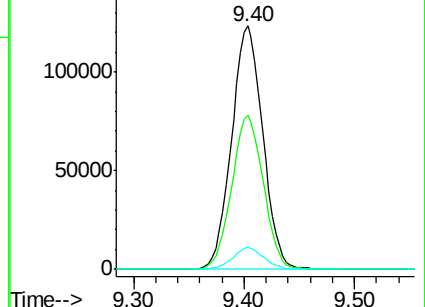
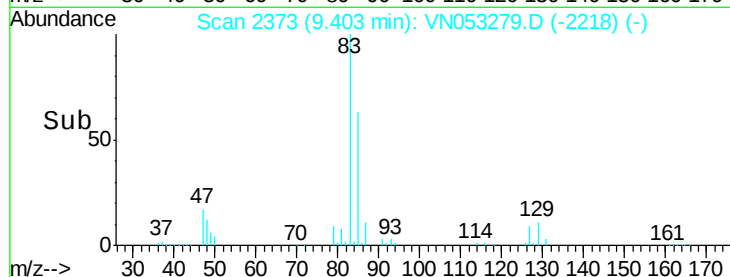
127 9.0 6.6 9.8



Abundance Ion 83.00 (82.70 to 83.70): VN053279.D (-2218) (-)

Ion 85.00 (84.70 to 85.70): VN053279.D (-2218) (-)

Ion 127.00 (126.70 to 127.70): VN053279.D (-2218) (-)



#42

Vinyl Acetate

Concen: 99.599 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN053279.D

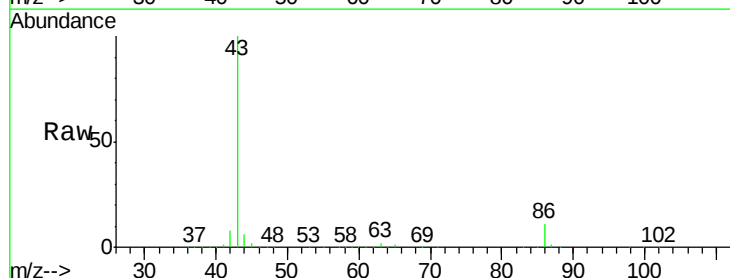
Acq: 4 Jan 2019 10:24

Tgt Ion: 43 Resp: 1726528

Ion Ratio Lower Upper

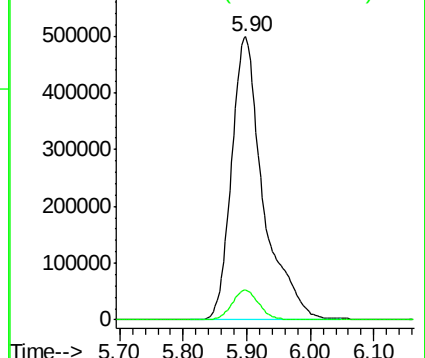
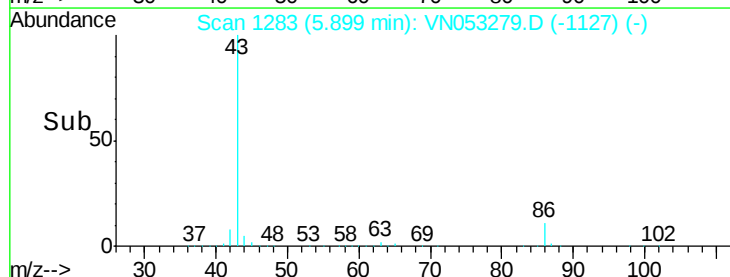
43 100

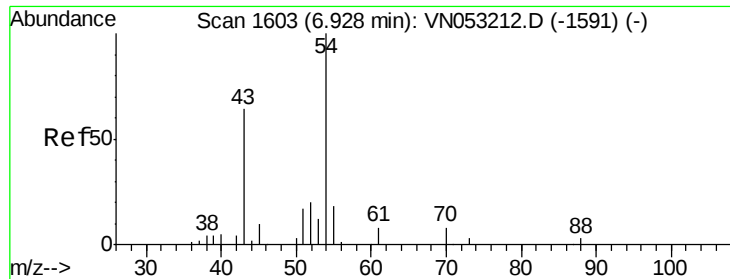
86 9.0 6.5 9.7



Abundance Ion 43.00 (42.70 to 43.70): VN053279.D (-1127) (-)

Ion 86.00 (85.70 to 86.70): VN053279.D (-1127) (-)





#43

Ethyl Acetate

Concen: 21.457 ug/l

RT: 6.93 min Scan# 1603

Delta R.T. -0.00 min

Lab File: VN053279.D

Acq: 4 Jan 2019 10:24

Instrument :

MSVOA_N

ClientSampleId :

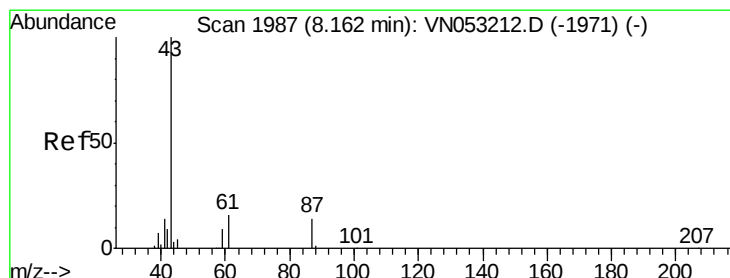
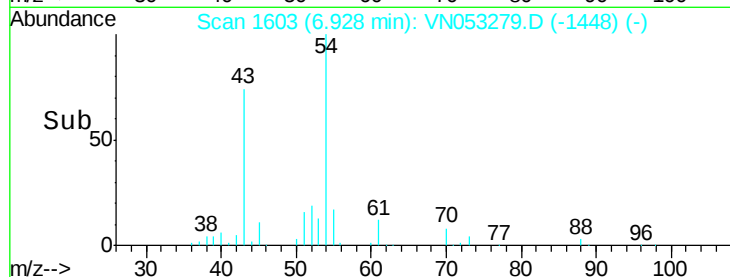
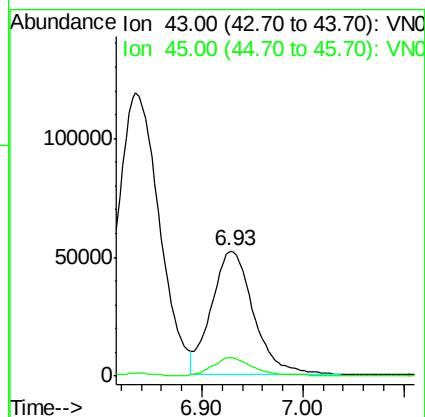
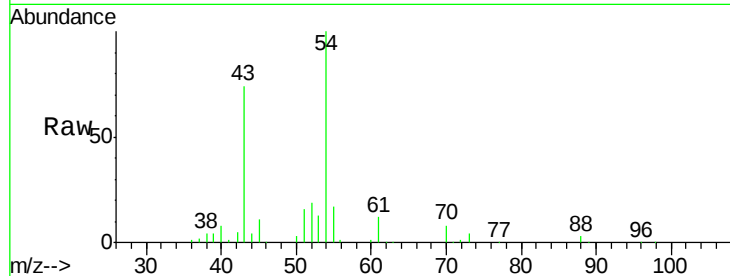
VN0104WBS01

Tot Ion: 43 Resp: 152258

Ion Ratio Lower Upper

43 100

45 13.8 1.0 1.6#



#44

Isopropyl Acetate

Concen: 20.410 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN053279.D

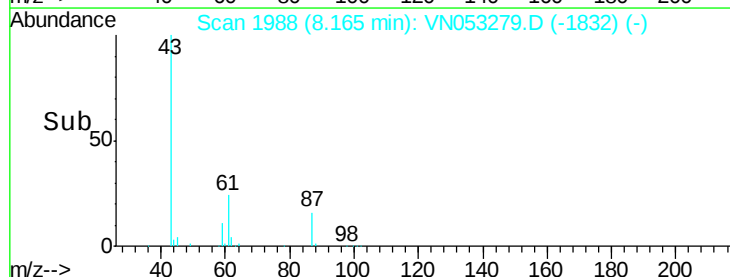
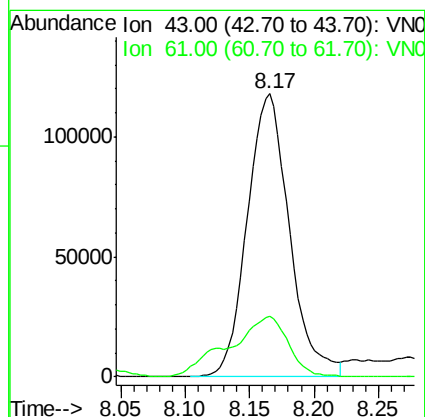
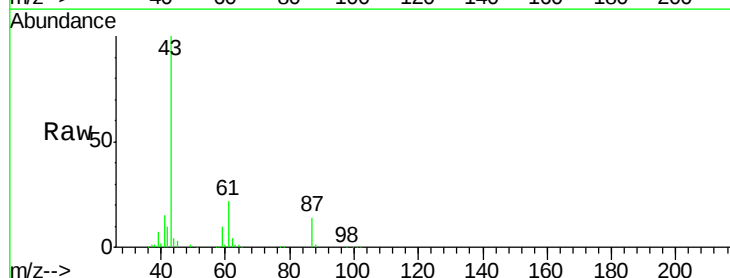
Acq: 4 Jan 2019 10:24

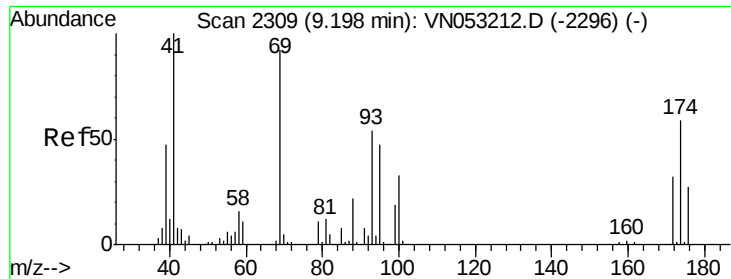
Tgt Ion: 43 Resp: 269781

Ion Ratio Lower Upper

43 100

61 20.7 16.0 24.0





#45

1,4-Dioxane

Concen: 353.611 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN053279.D

Acq: 4 Jan 2019 10:24

Instrument :

MSVOA_N

ClientSampled :

VN0104WBS01

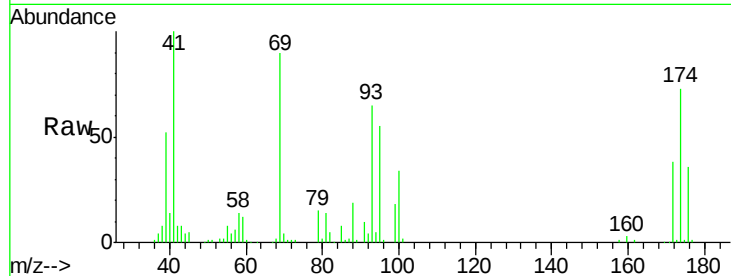
Tot Ion: 88 Resp: 28582

Ion Ratio Lower Upper

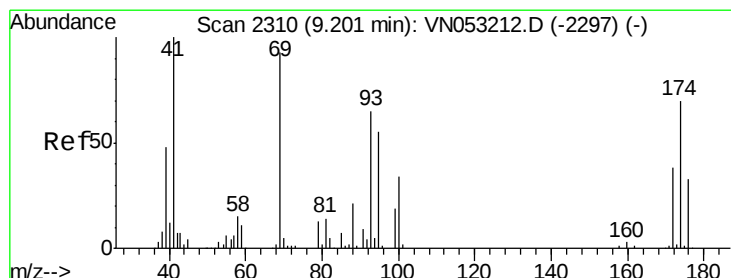
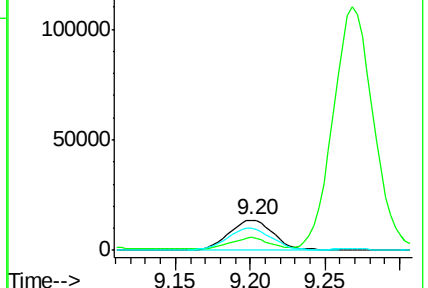
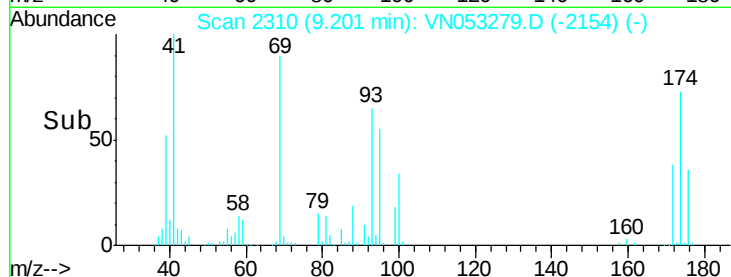
88 100

43 33.1 29.5 44.3

58 73.0 61.5 92.3



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



#46

Methyl methacrylate

Concen: 19.847 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN053279.D

Acq: 4 Jan 2019 10:24

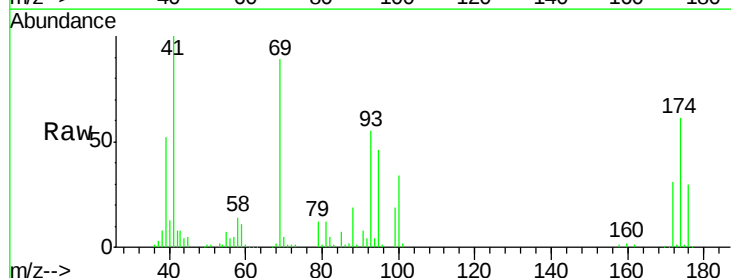
Tgt Ion: 41 Resp: 132532

Ion Ratio Lower Upper

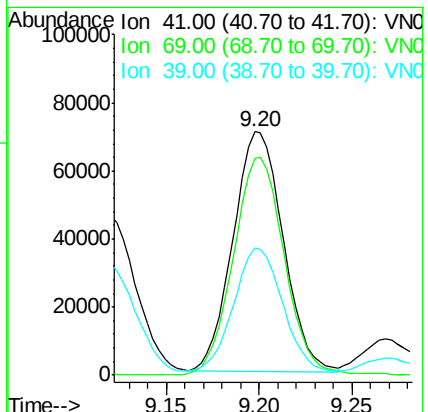
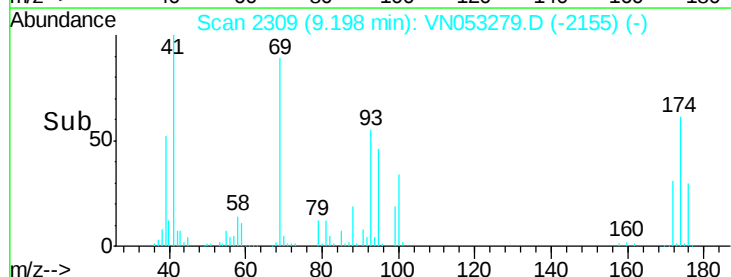
41 100

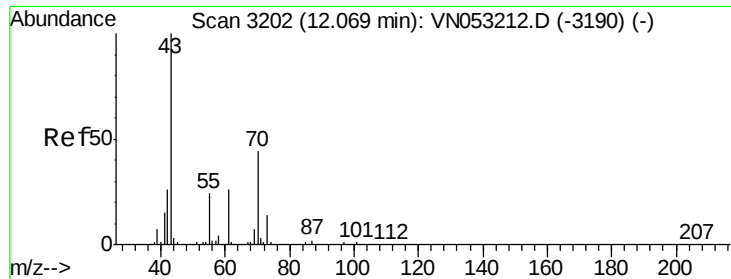
69 90.0 42.5 127.6

39 51.6 26.3 78.9



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

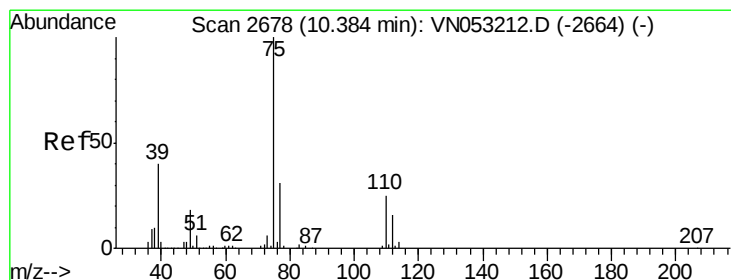
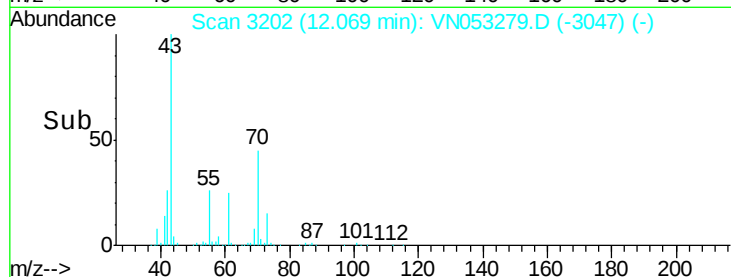
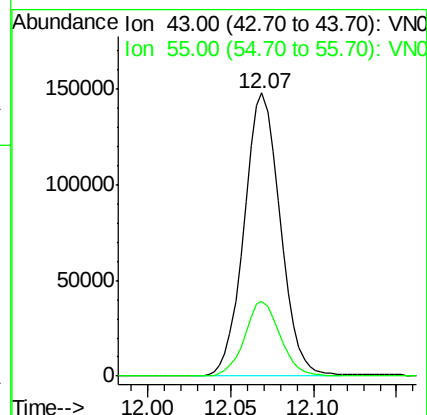
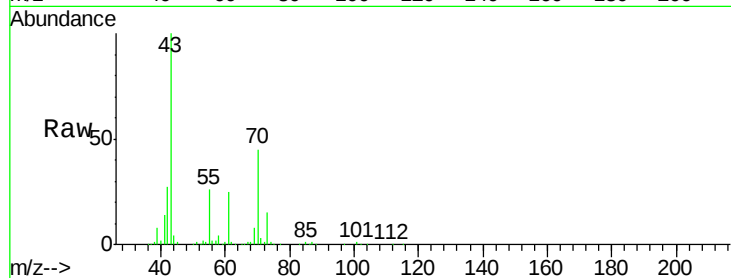




#47
 n-amvl Acetate
 Concen: 19.289 ug/l
 RT: 12.07 min Scan# 3202
 Delta R.T. -0.00 min
 Lab File: VN053279.D
 Acq: 4 Jan 2019 10:24

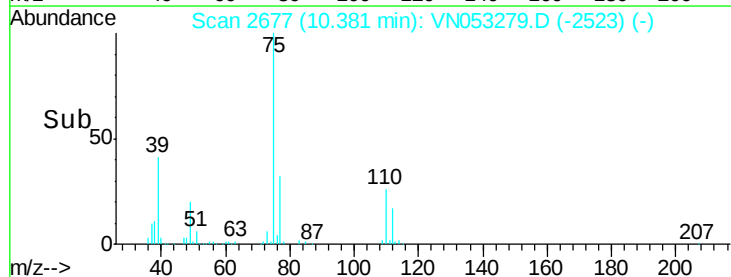
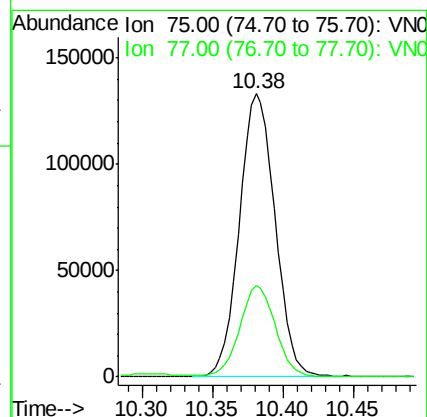
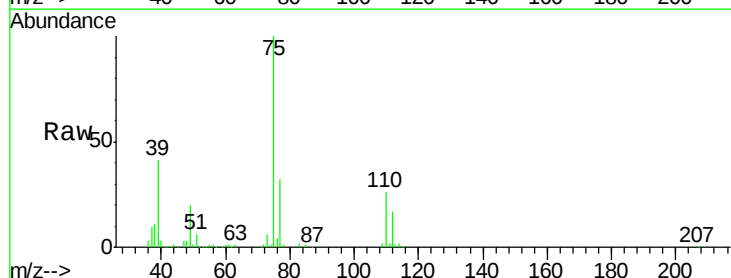
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0104WBS01

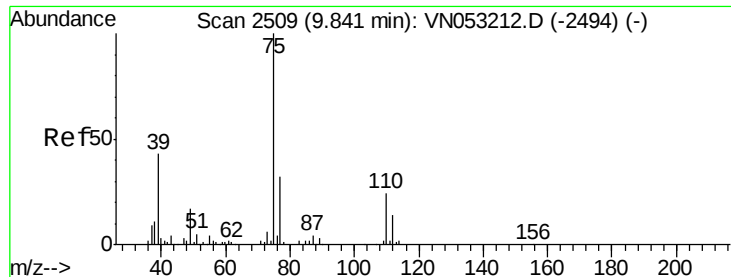
Tot Ion: 43 Resp: 223903
 Ion Ratio Lower Upper
 43 100
 55 26.3 21.1 31.7



#48
 t-1,3-Dichloropropene
 Concen: 19.098 ug/l
 RT: 10.38 min Scan# 2677
 Delta R.T. -0.00 min
 Lab File: VN053279.D
 Acq: 4 Jan 2019 10:24

Tgt Ion: 75 Resp: 236602
 Ion Ratio Lower Upper
 75 100
 77 32.0 25.6 38.4



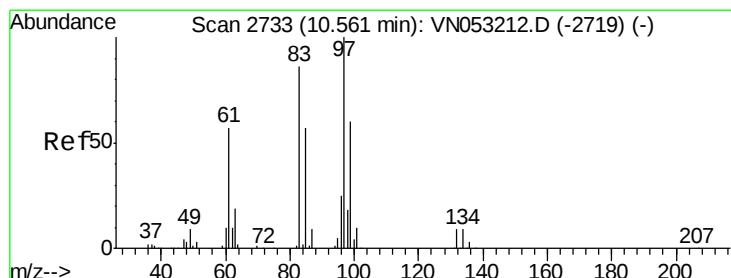
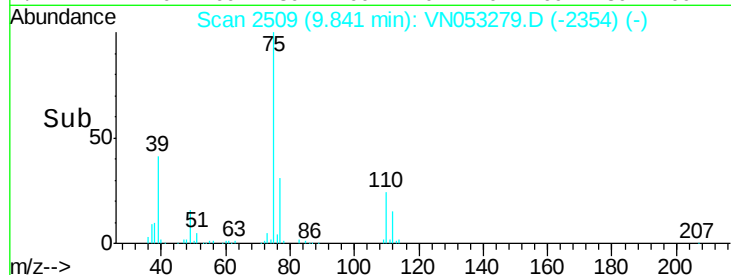
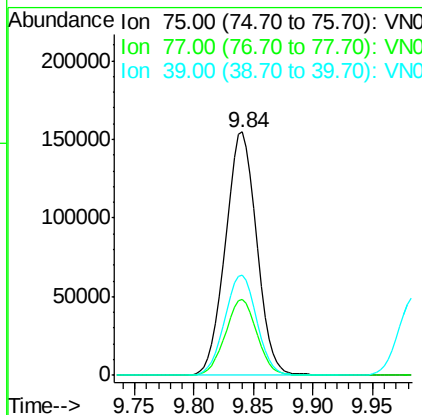
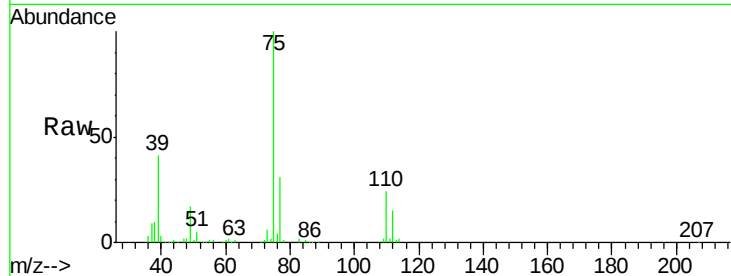


#49

cis-1,3-Dichloropropene
Concen: 19.404 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VN053279.D
Acq: 4 Jan 2019 10:24

Instrument :
MSVOA_N
ClientSampleId :
VN0104WBS01

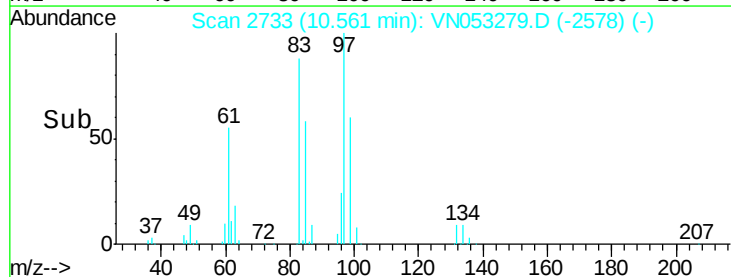
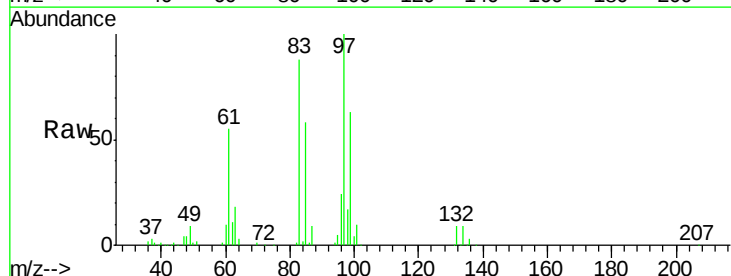
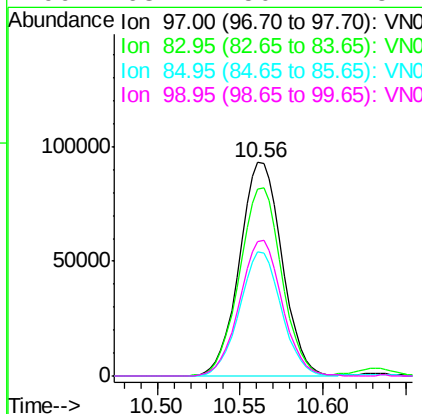
Tot Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.4	38.0
39	41.1	37.3	55.9

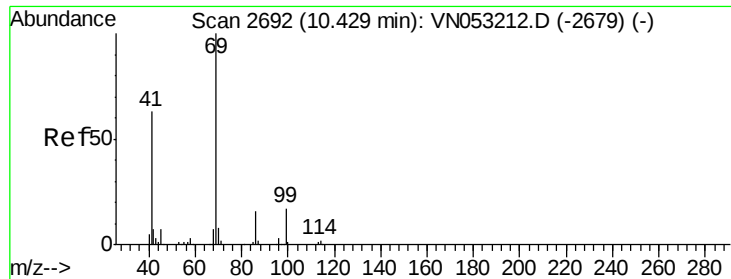


#50

1,1,2-Trichloroethane
Concen: 20.517 ug/l
RT: 10.56 min Scan# 2733
Delta R.T. -0.00 min
Lab File: VN053279.D
Acq: 4 Jan 2019 10:24

Tgt Ion	Ratio	Lower	Upper
97	100		
83	87.3	70.4	105.6
85	57.9	45.0	67.6
99	63.1	50.2	75.2





#51

Ethyl methacrylate

Concen: 19.829 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN053279.D

Acq: 4 Jan 2019 10:24

Instrument :

MSVOA_N

ClientSampleId :

VN0104WBS01

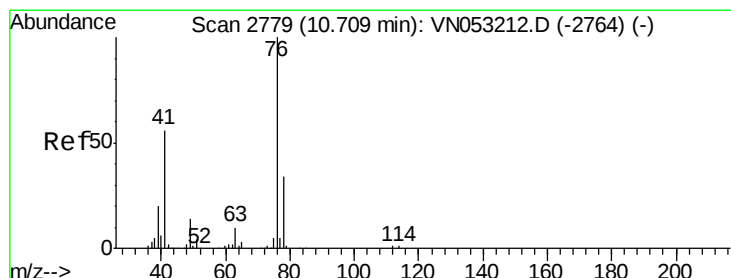
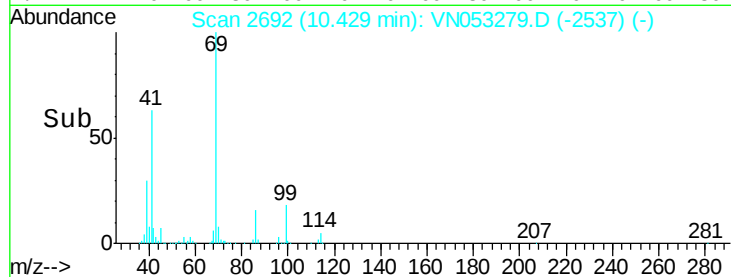
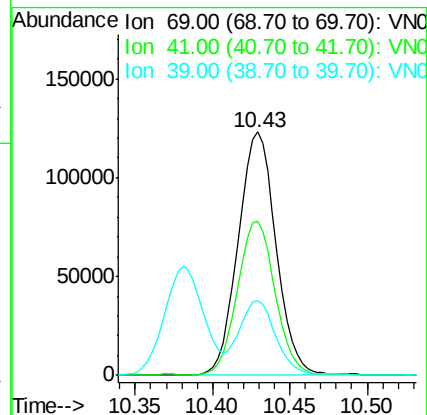
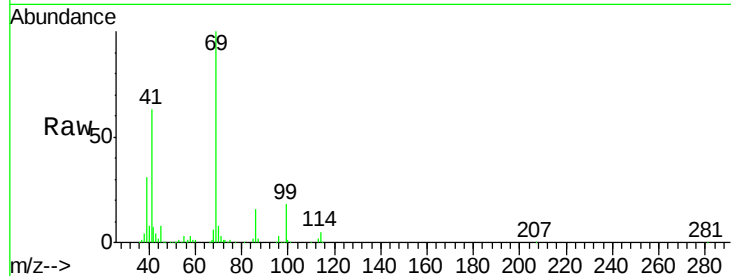
Tot Ion: 69 Resp: 209445

Ion Ratio Lower Upper

69 100

41 63.3 34.4 103.3

39 30.4 16.4 49.2



#52

1,3-Dichloropropane

Concen: 20.601 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN053279.D

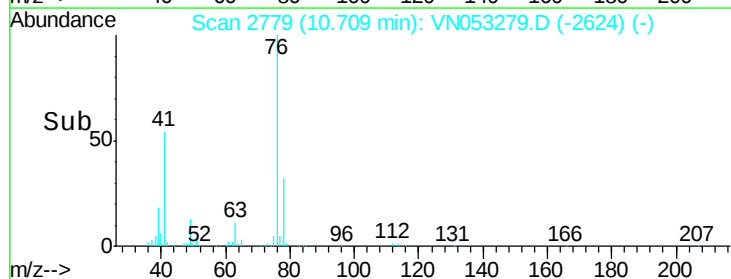
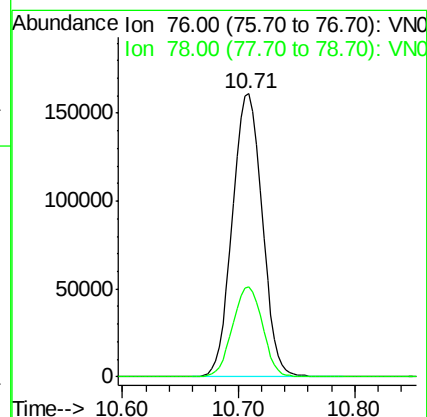
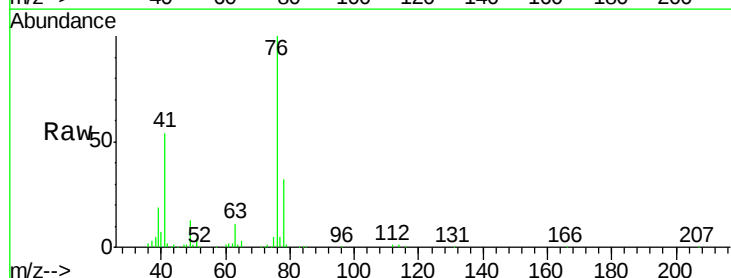
Acq: 4 Jan 2019 10:24

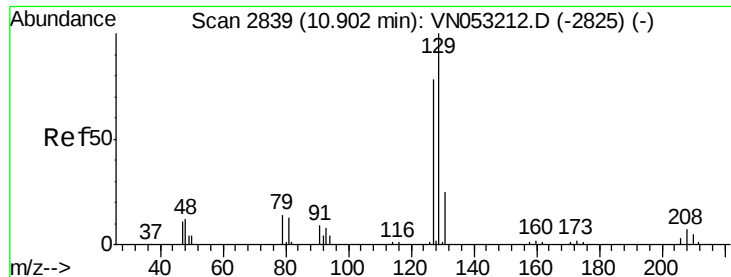
Tgt Ion: 76 Resp: 287614

Ion Ratio Lower Upper

76 100

78 31.9 0.0 64.8





#53

Dibromochloromethane

Concen: 19.773 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. -0.00 min

Lab File: VN053279.D

Acq: 4 Jan 2019 10:24

Instrument :

MSVOA_N

ClientSampled :

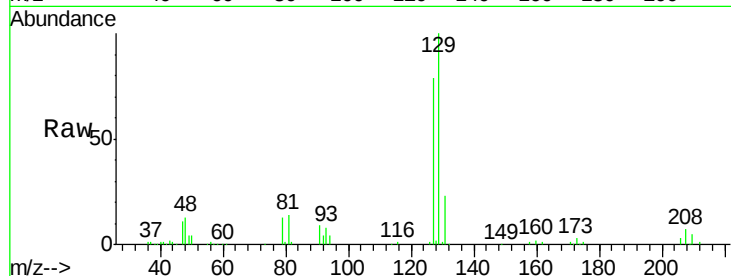
VN0104WBS01

Tot Ion:129 Resp: 179983

Ion Ratio Lower Upper

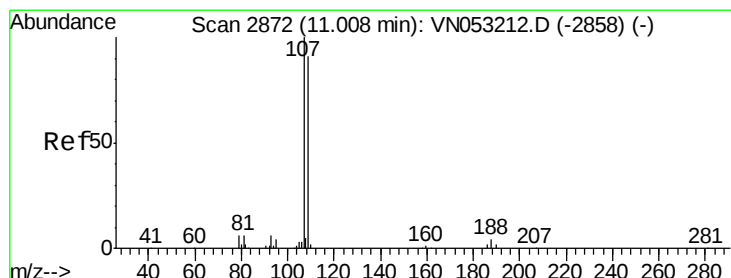
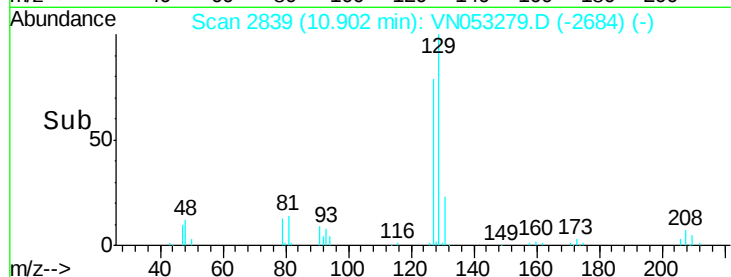
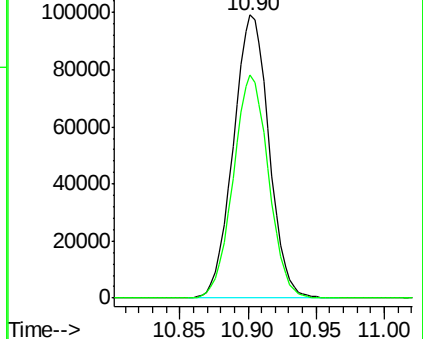
129 100

127 77.9 37.6 112.8



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 19.880 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN053279.D

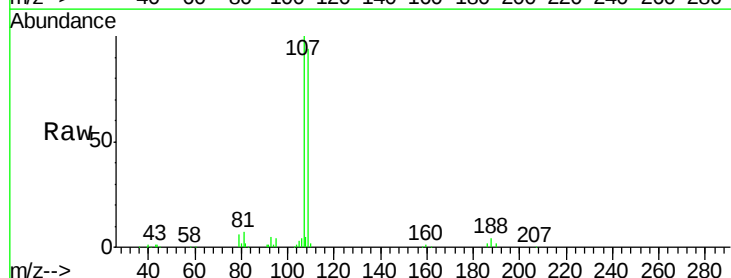
Acq: 4 Jan 2019 10:24

Tgt Ion:107 Resp: 162535

Ion Ratio Lower Upper

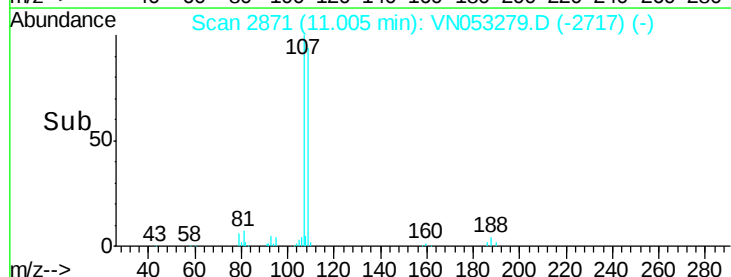
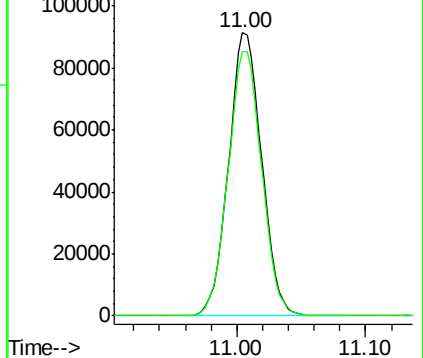
107 100

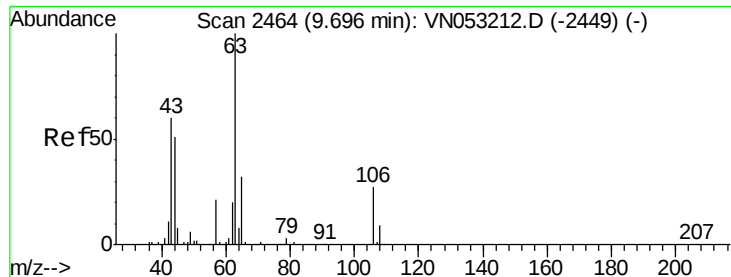
109 94.9 77.1 115.7



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

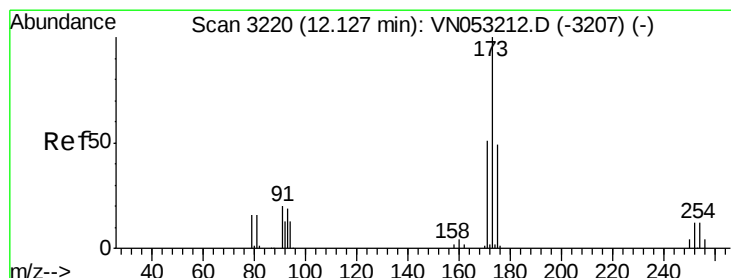
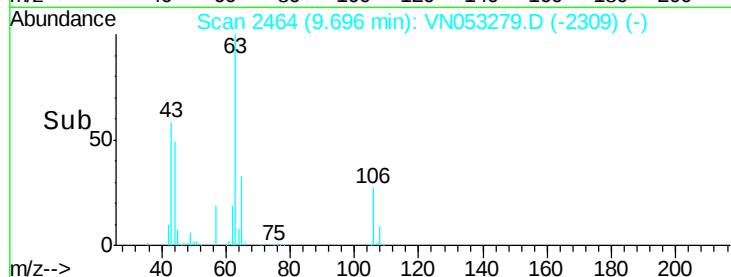
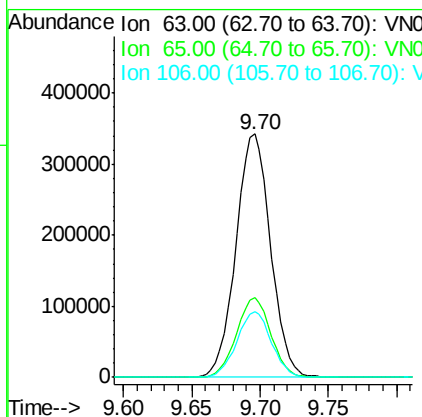
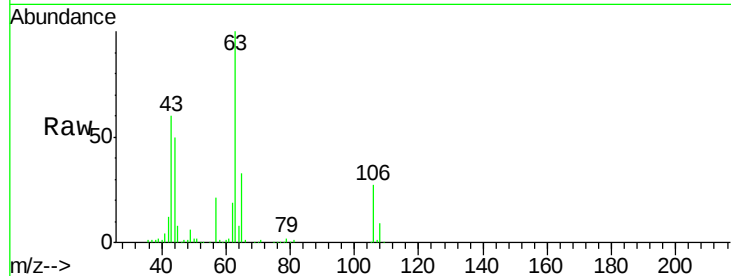




#55
 2-Chloroethyl vinyl ether
 Concen: 99.775 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. -0.00 min
 Lab File: VN053279.D
 Acq: 4 Jan 2019 10:24

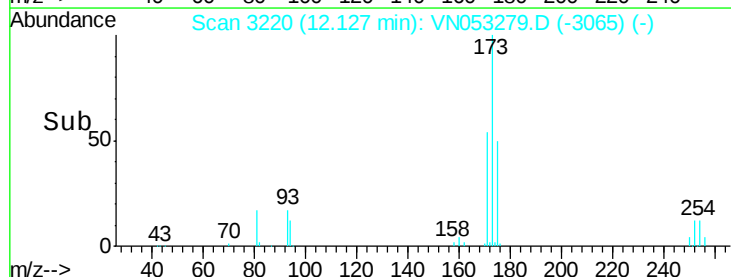
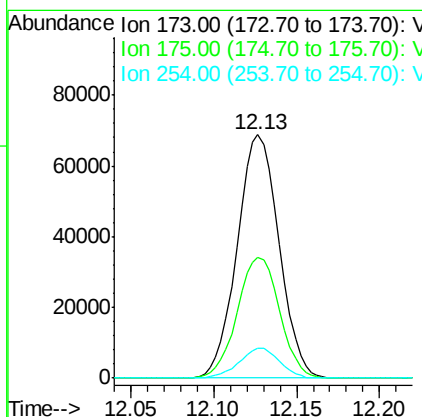
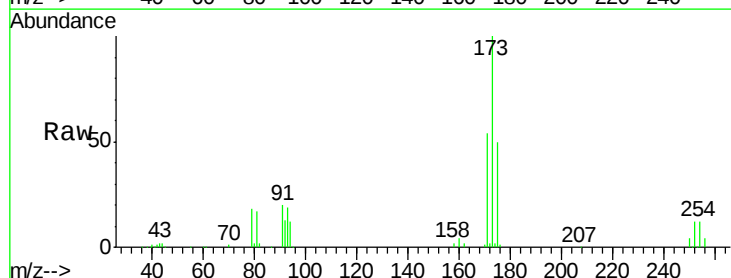
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0104WBS01

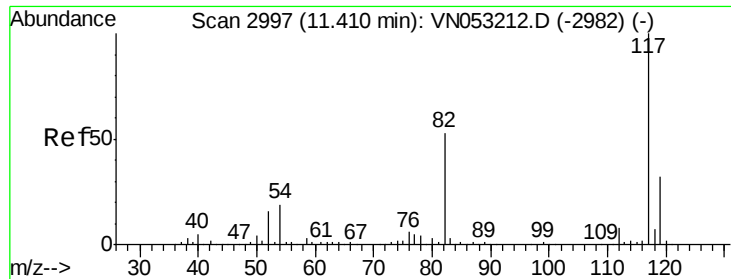
Tot Ion: 63 Resp: 604801
 Ion Ratio Lower Upper
 63 100
 65 32.3 25.4 38.2
 106 27.1 20.4 30.6



#56
 Bromoform
 Concen: 19.403 ug/l
 RT: 12.13 min Scan# 3220
 Delta R.T. -0.00 min
 Lab File: VN053279.D
 Acq: 4 Jan 2019 10:24

Tgt Ion: 173 Resp: 120816
 Ion Ratio Lower Upper
 173 100
 175 50.0 38.7 58.1
 254 11.7 8.4 12.6

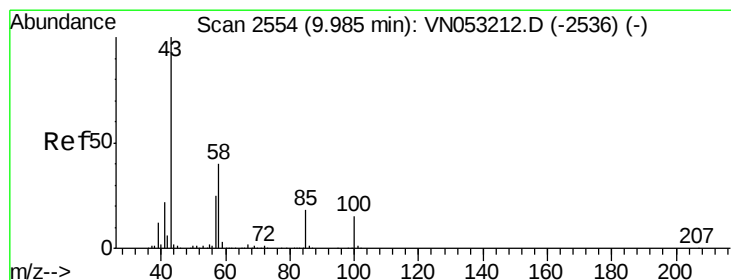
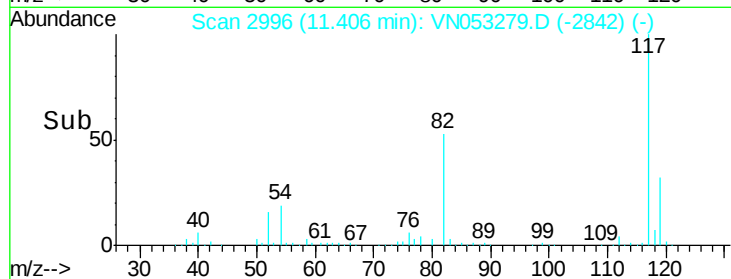
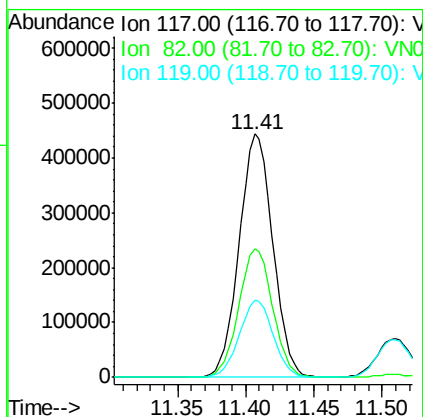
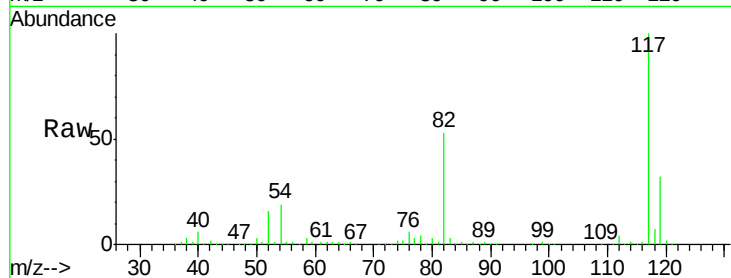




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN053279.D
Acq: 4 Jan 2019 10:24

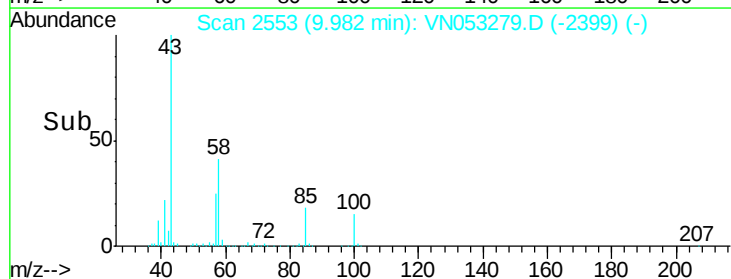
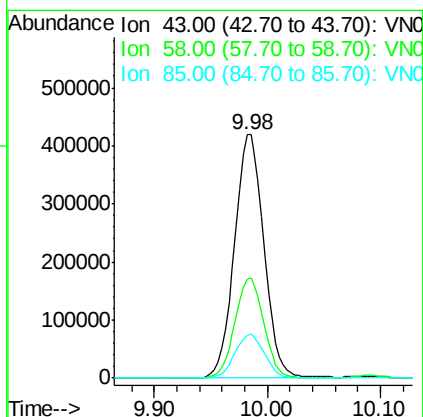
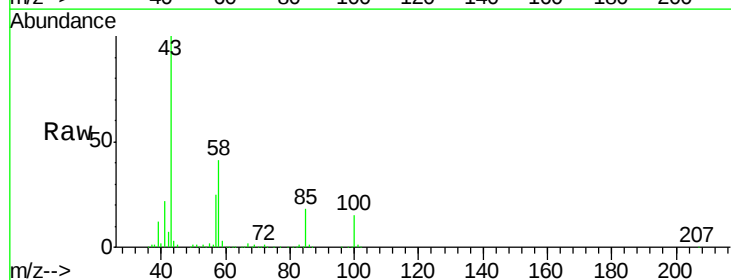
Instrument :
MSVOA_N
ClientSampleId :
VN0104WBS01

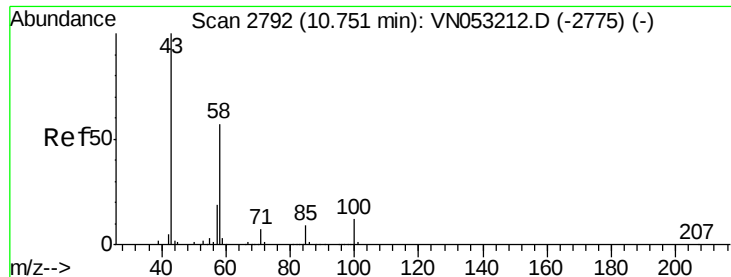
Tot Ion:117 Resp: 760607
Ion Ratio Lower Upper
117 100
82 53.2 44.2 66.2
119 31.8 25.4 38.2



#58
4-Methyl-2-Pentanone
Concen: 104.718 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. -0.00 min
Lab File: VN053279.D
Acq: 4 Jan 2019 10:24

Tgt Ion: 43 Resp: 758972
Ion Ratio Lower Upper
43 100
58 40.7 31.6 47.4
85 18.1 13.3 19.9

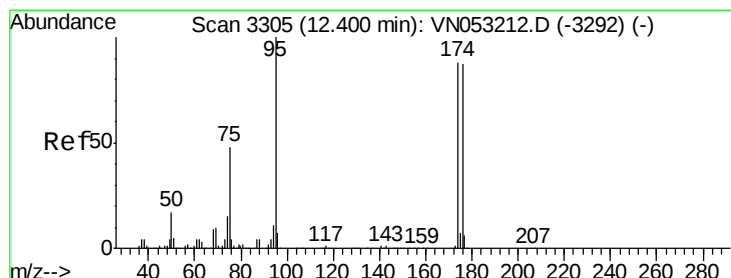
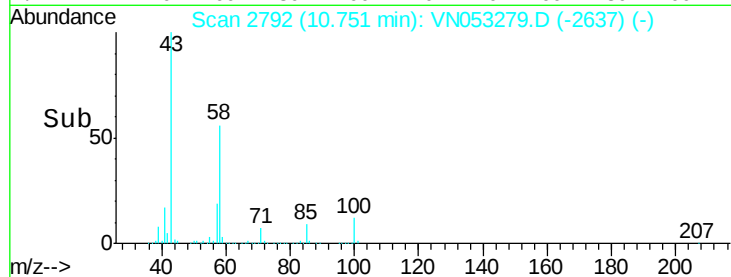
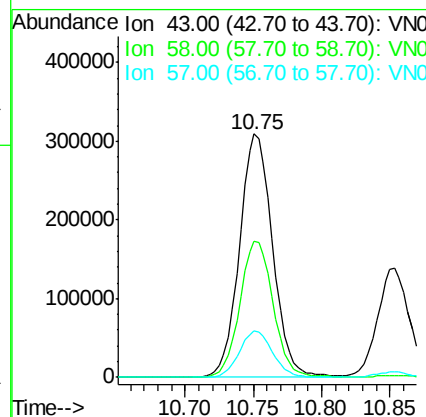
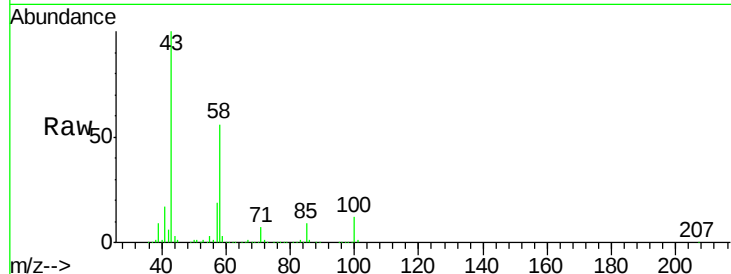




#59
2-Hexanone
Concen: 103.743 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN053279.D
Acq: 4 Jan 2019 10:24

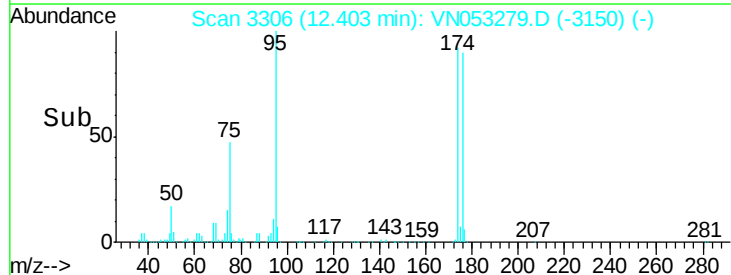
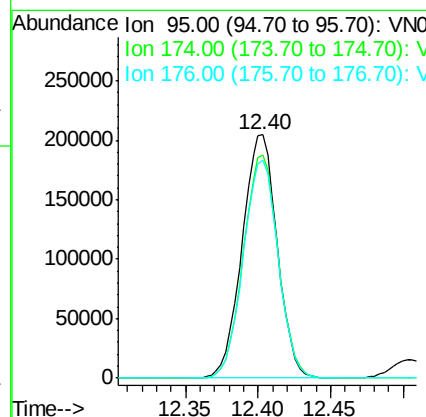
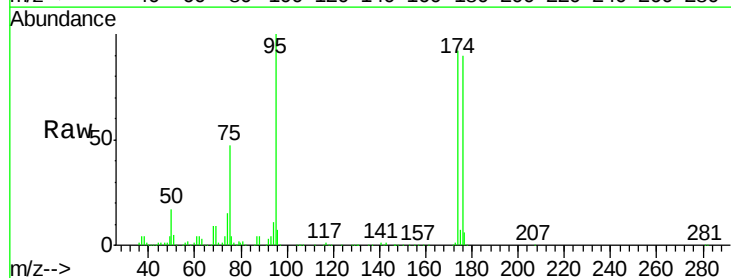
Instrument :
MSVOA_N
ClientSampled :
VN0104WBS01

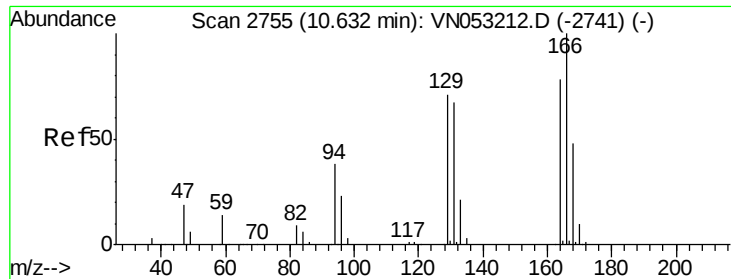
Tot Ion	43	Resp	519090
Ion Ratio	Lower	Upper	
43	100		
58	56.5	43.2	64.8
57	19.1	14.9	22.3



#60
4-Bromofluorobenzene
Concen: 103.743 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN053279.D
Acq: 4 Jan 2019 10:24

Tgt Ion	95	Resp	344094
Ion Ratio	Lower	Upper	
95	100		
174	91.2	67.9	101.9
176	89.2	66.4	99.6





#61

Tetrachloroethene

Concen: 20.702 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. -0.00 min

Lab File: VN053279.D

Acq: 4 Jan 2019 10:24

Instrument :

MSVOA_N

ClientSampled :

VN0104WBS01

Tot Ion:164 Resp: 232690

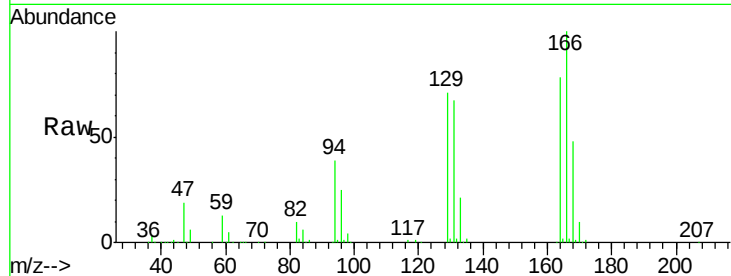
Ion Ratio Lower Upper

164 100

166 127.5 104.6 157.0

129 90.0 75.3 112.9

131 85.7 74.3 111.5

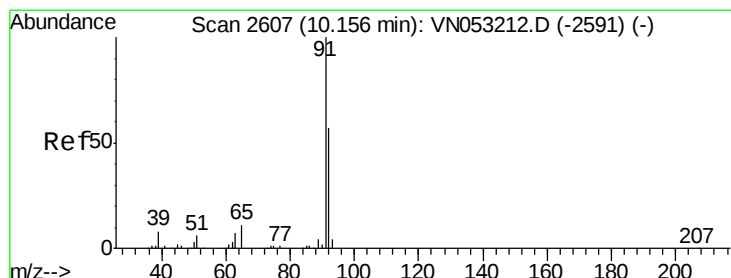
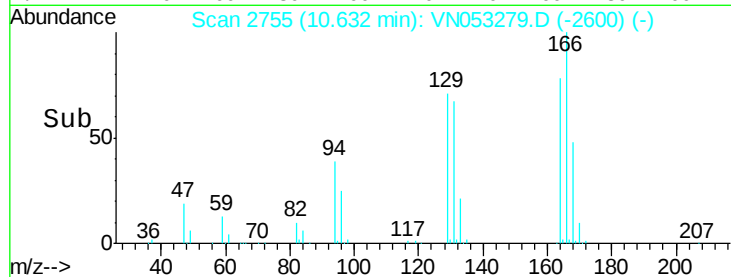
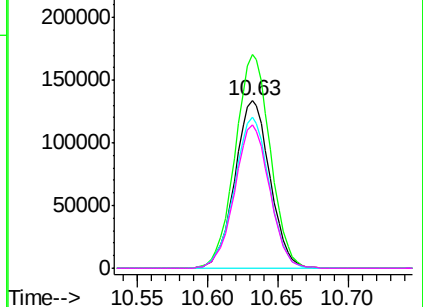


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 19.667 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN053279.D

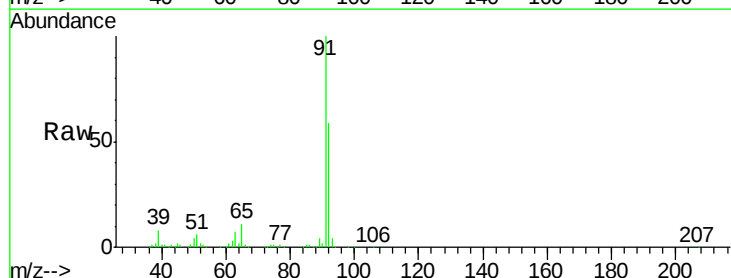
Acq: 4 Jan 2019 10:24

Tgt Ion: 91 Resp: 820403

Ion Ratio Lower Upper

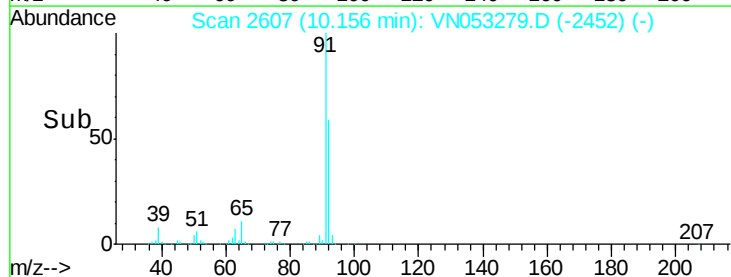
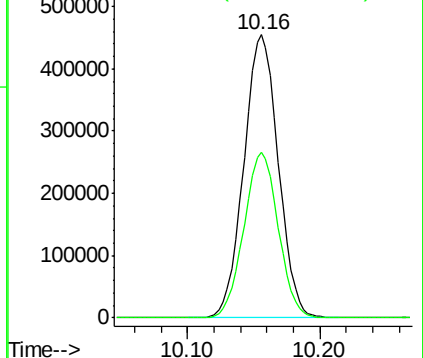
91 100

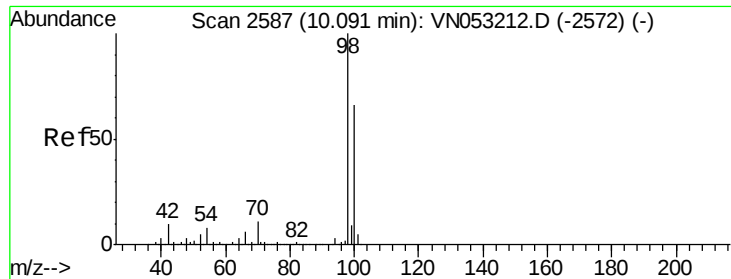
92 58.3 45.4 68.2



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





#63

Toluene-d8

Concen: 19.667 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN053279.D

Acq: 4 Jan 2019 10:24

Instrument :

MSVOA_N

ClientSampleId :

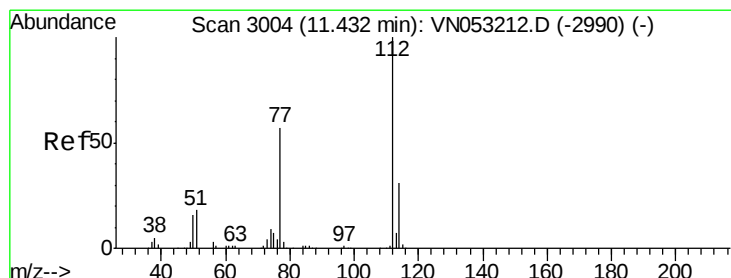
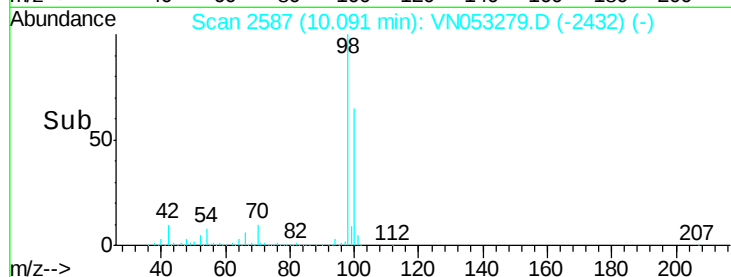
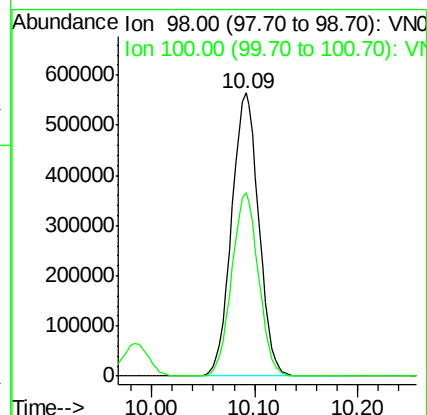
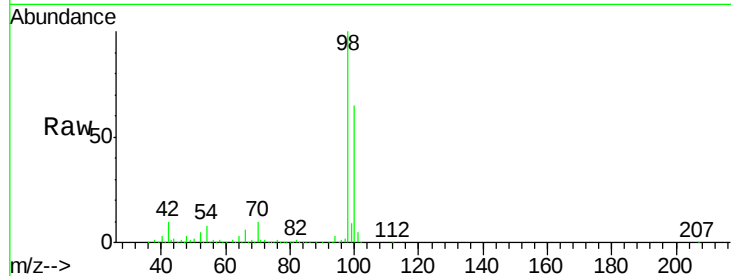
VN0104WBS01

Tot Ion: 98 Resp: 1033427

Ion Ratio Lower Upper

98 100

100 63.8 51.1 76.7



#64

Chlorobenzene

Concen: 19.636 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN053279.D

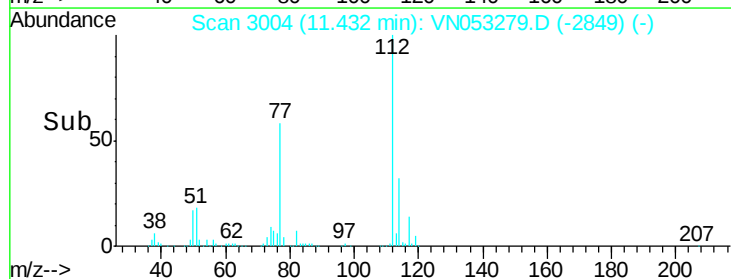
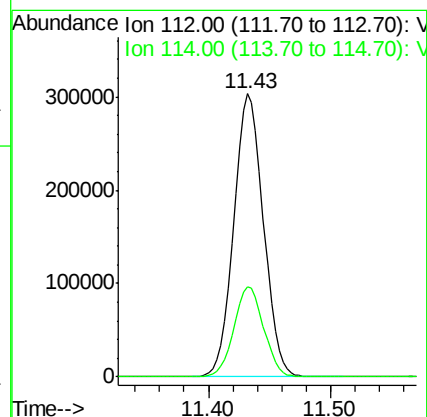
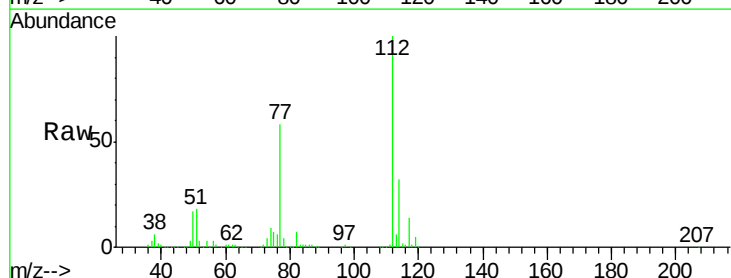
Acq: 4 Jan 2019 10:24

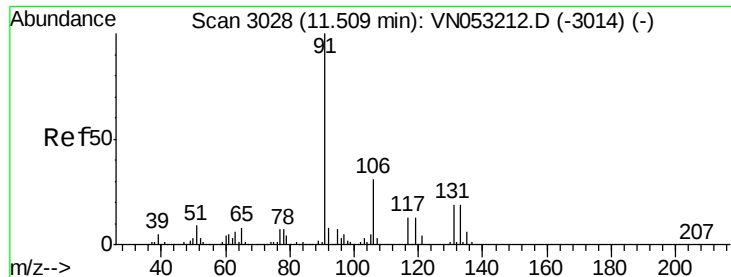
Tgt Ion: 112 Resp: 513996

Ion Ratio Lower Upper

112 100

114 31.9 25.6 38.4





#65

1,1,1,2-Tetrachloroethane

Concen: 19.530 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN053279.D

Acq: 4 Jan 2019 10:24

Instrument :

MSVOA_N

ClientSampled :

VN0104WBS01

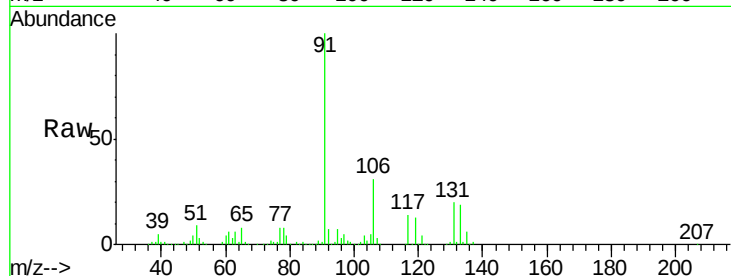
Tot Ion:131 Resp: 179327

Ion Ratio Lower Upper

131 100

133 95.8 0.0 193.4

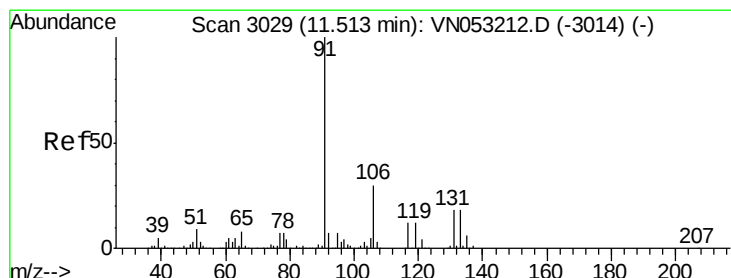
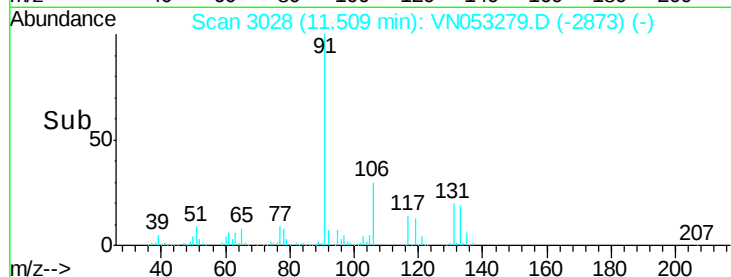
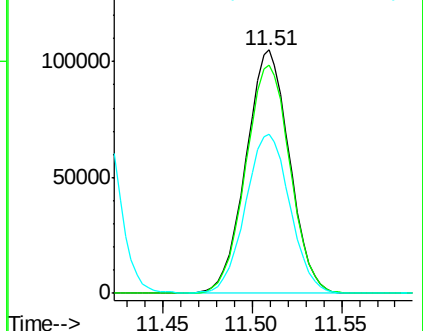
119 66.4 0.0 133.0



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 19.388 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. -0.00 min

Lab File: VN053279.D

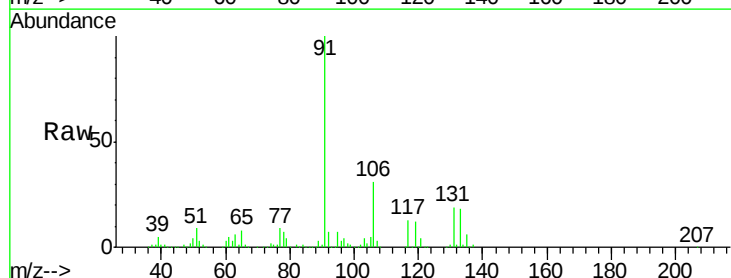
Acq: 4 Jan 2019 10:24

Tgt Ion: 91 Resp: 877023

Ion Ratio Lower Upper

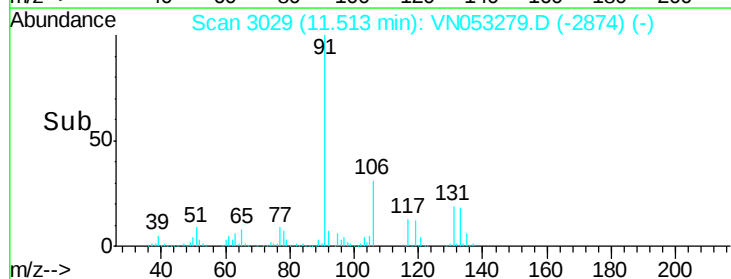
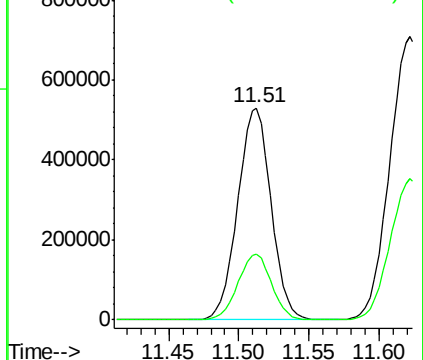
91 100

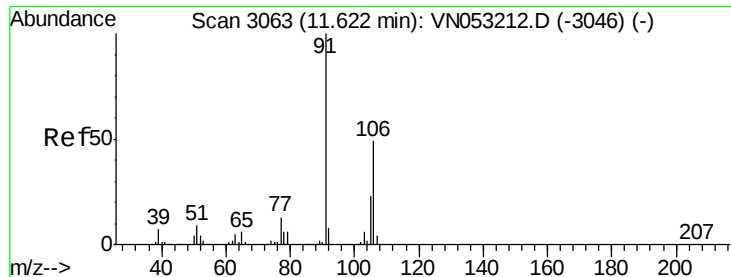
106 31.1 24.3 36.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V





#67

m/p-Xylenes

Concen: 39.535 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. -0.00 min

Lab File: VN053279.D

Acq: 4 Jan 2019 10:24

Instrument :

MSVOA_N

ClientSampleId :

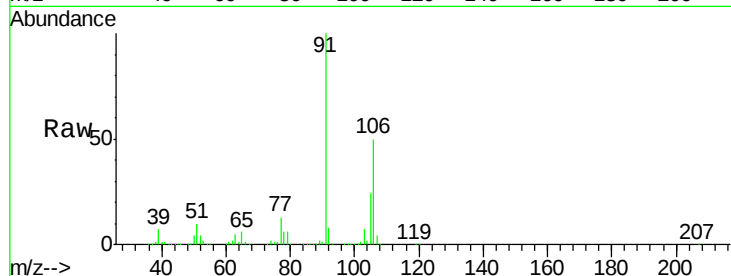
VN0104WBS01

Tot Ion:106 Resp: 676377

Ion Ratio Lower Upper

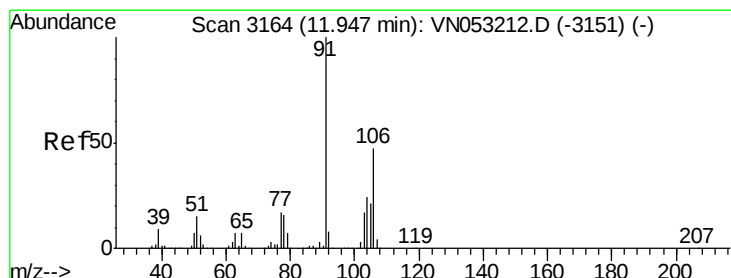
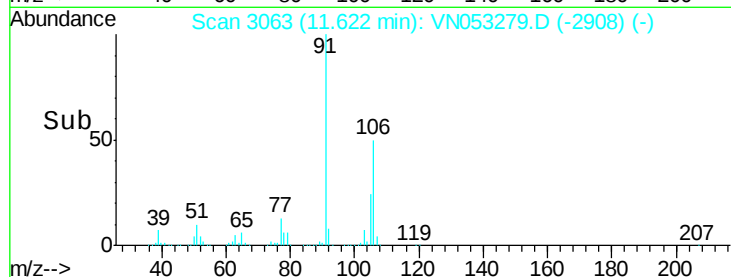
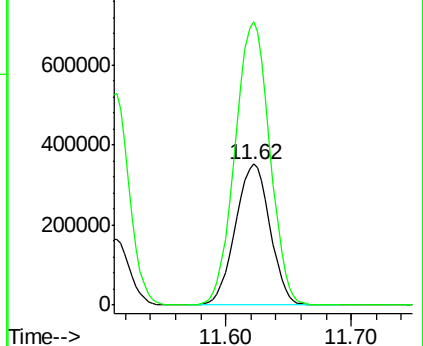
106 100

91 201.4 163.9 245.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



#68

o-Xylene

Concen: 19.591 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. -0.00 min

Lab File: VN053279.D

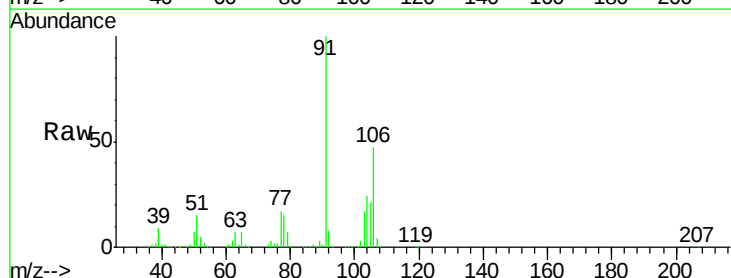
Acq: 4 Jan 2019 10:24

Tgt Ion:106 Resp: 324800

Ion Ratio Lower Upper

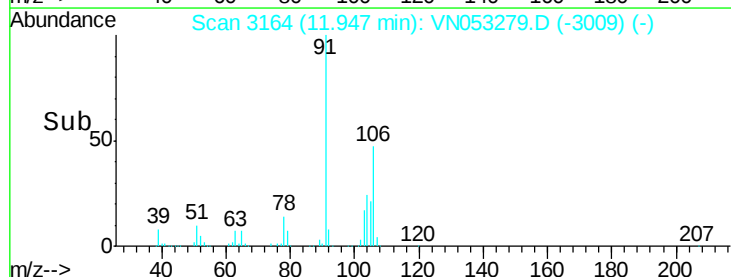
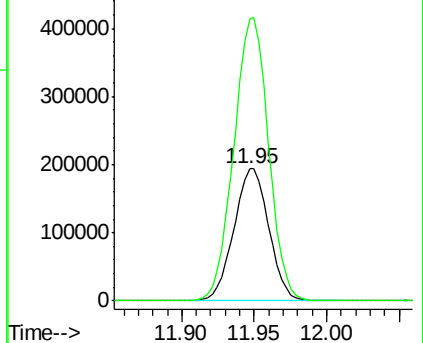
106 100

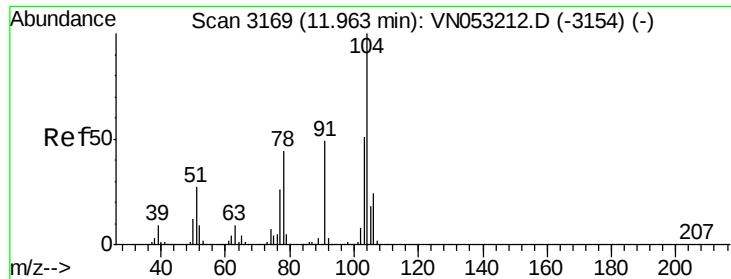
91 213.1 107.8 323.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0

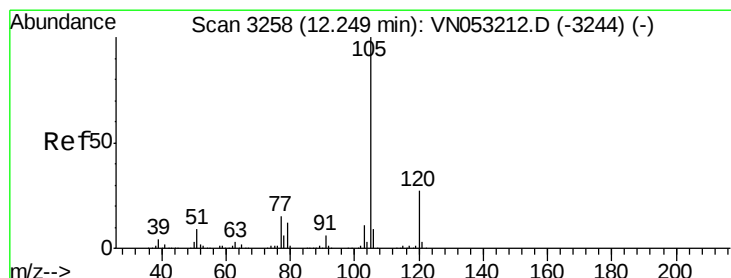
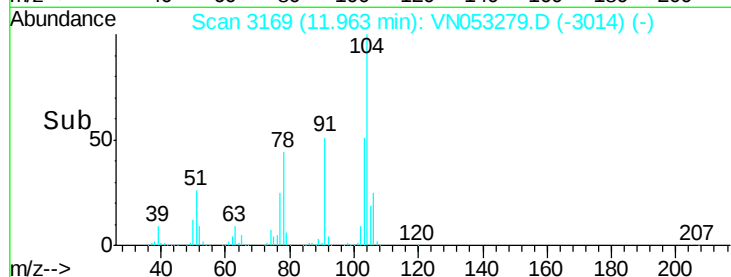
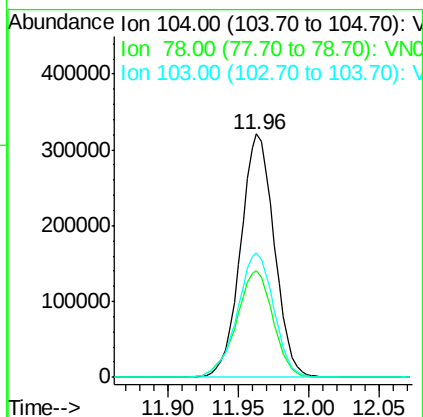
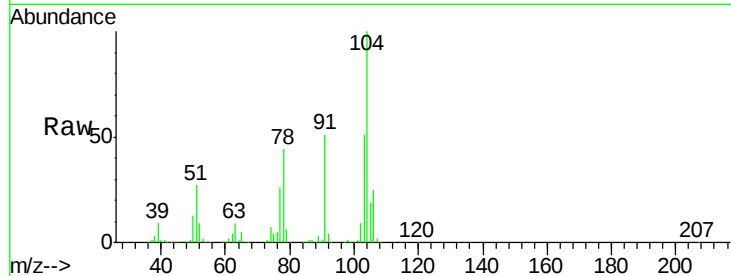




#69
Stvrene
Concen: 19.835 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN053279.D
Acq: 4 Jan 2019 10:24

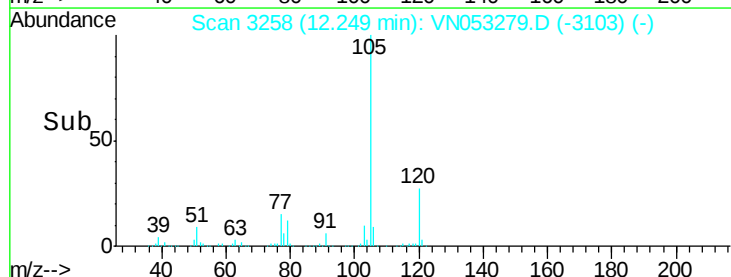
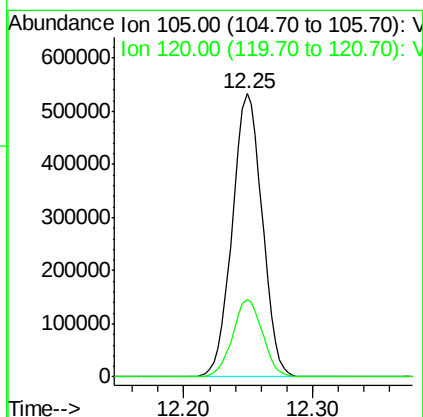
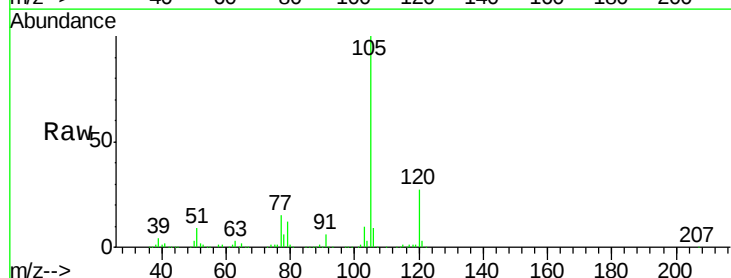
Instrument :
MSVOA_N
ClientSampled :
VN0104WBS01

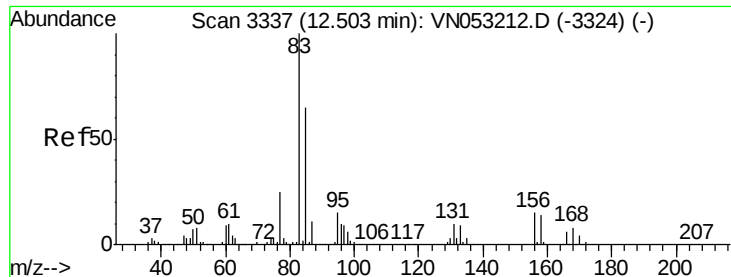
Tot Ion:104 Resp: 536744
Ion Ratio Lower Upper
104 100
78 47.7 39.3 58.9
103 55.4 44.6 66.8



#70
Isopropylbenzene
Concen: 19.707 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN053279.D
Acq: 4 Jan 2019 10:24

Tgt Ion:105 Resp: 859610
Ion Ratio Lower Upper
105 100
120 27.2 18.6 34.6

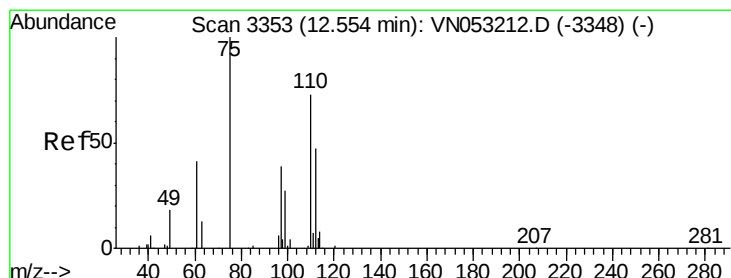
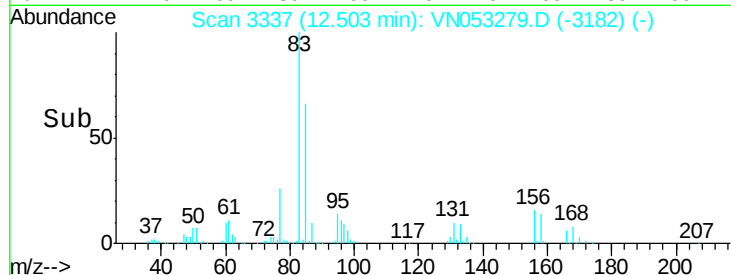
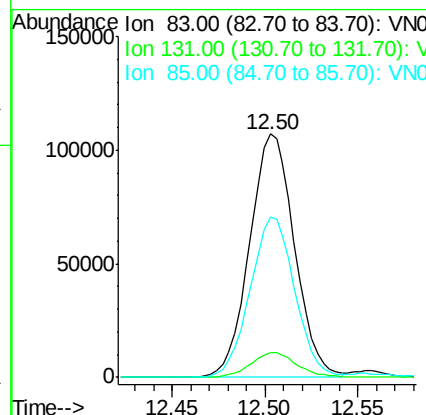
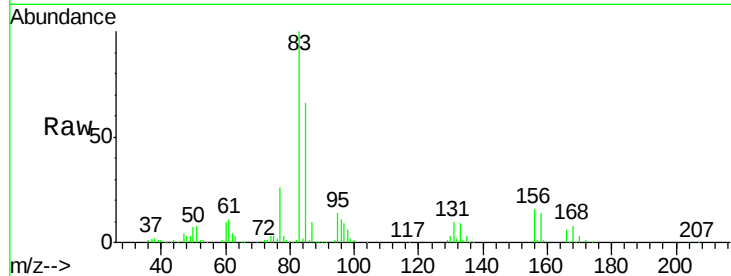




#71
 1,1,2,2-Tetrachloroethane
 Concen: 19.669 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. -0.00 min
 Lab File: VN053279.D
 Acq: 4 Jan 2019 10:24

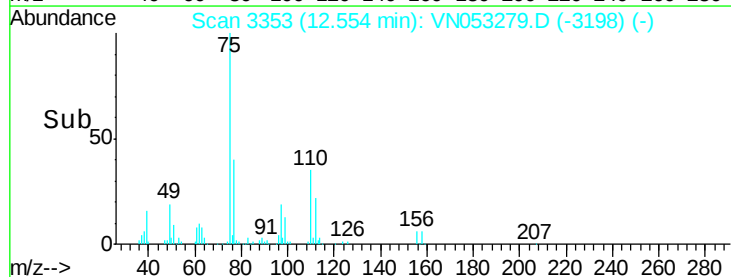
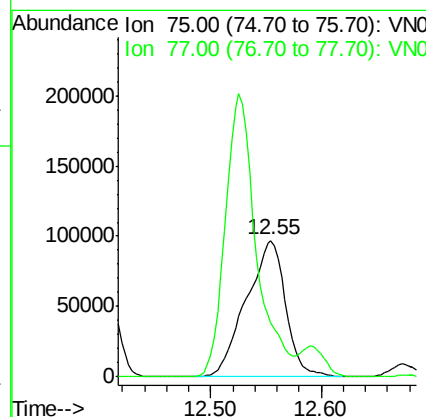
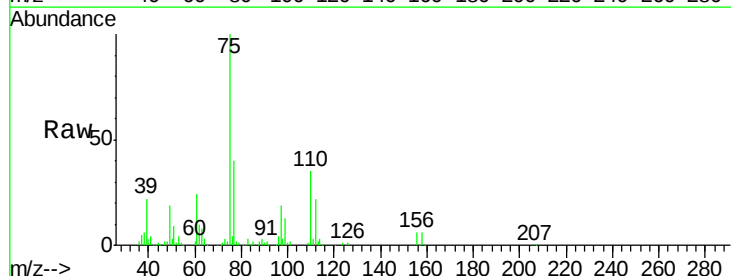
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0104WBS01

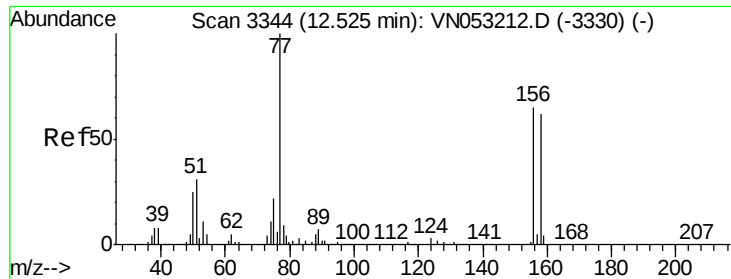
Tot Ion	83	Resp	180610
Ion Ratio	Lower	Upper	
83	100		
131	10.5	4.9	14.6
85	65.4	32.2	96.6



#72
 1,2,3-Trichloropropane
 Concen: 29.858 ug/l
 RT: 12.55 min Scan# 3353
 Delta R.T. -0.00 min
 Lab File: VN053279.D
 Acq: 4 Jan 2019 10:24

Tgt Ion	75	Resp	240081
Ion Ratio	Lower	Upper	
75	100		
77	163.2	0.0	514.8





#73

Bromobenzene

Concen: 19.991 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN053279.D

Acq: 4 Jan 2019 10:24

Instrument :

MSVOA_N

ClientSampled :

VN0104WBS01

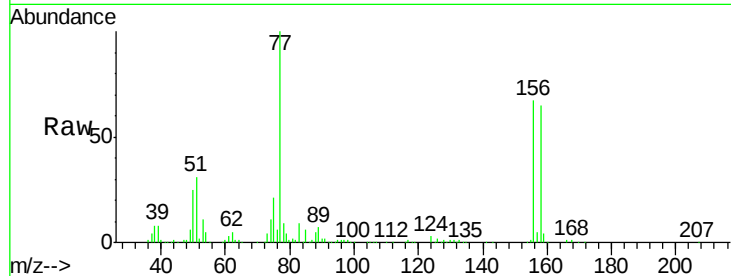
Tot Ion:156 Resp: 224143

Ion Ratio Lower Upper

156 100

77 174.8 0.0 382.6

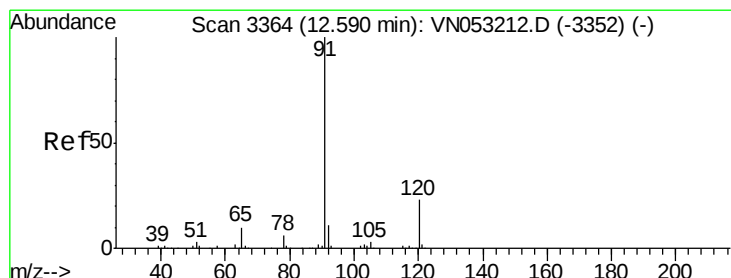
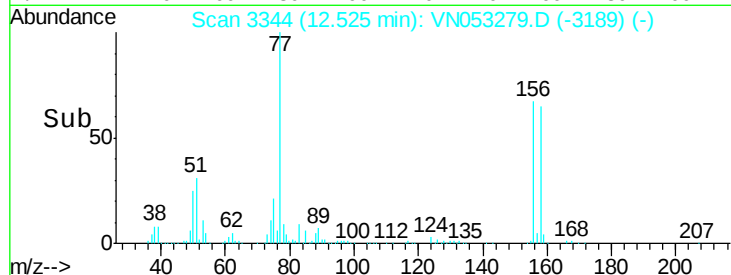
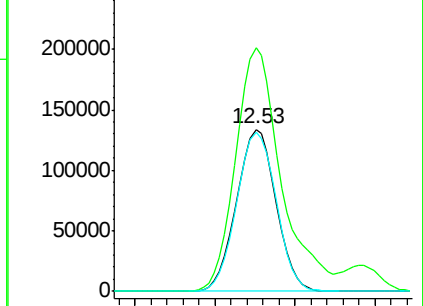
158 98.6 0.0 196.8



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 19.519 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN053279.D

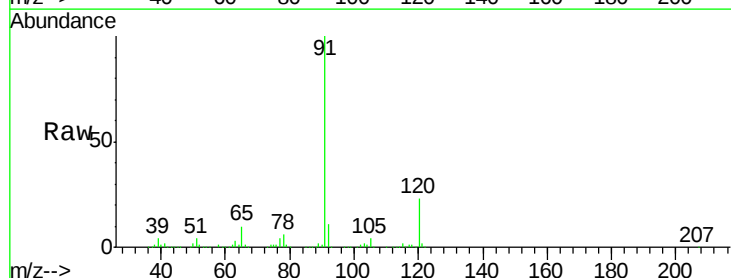
Acq: 4 Jan 2019 10:24

Tgt Ion: 91 Resp: 963782

Ion Ratio Lower Upper

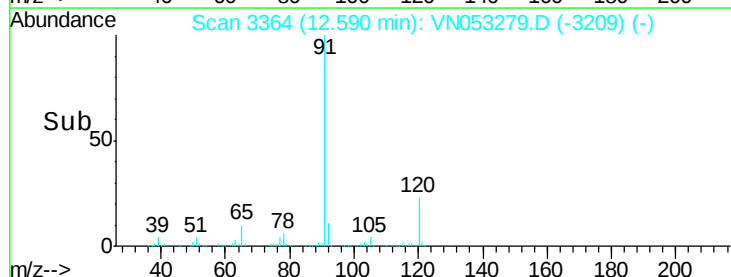
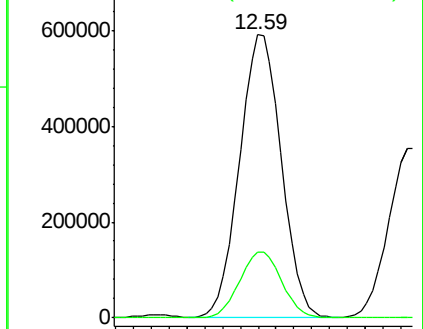
91 100

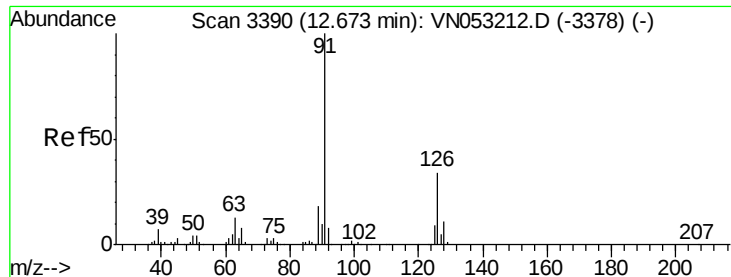
120 23.3 0.0 44.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 20.015 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN053279.D

Acq: 4 Jan 2019 10:24

Instrument :

MSVOA_N

ClientSampleId :

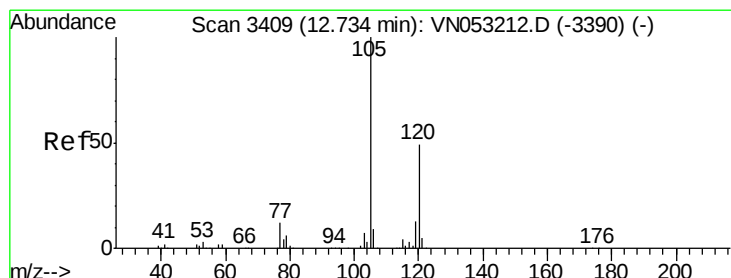
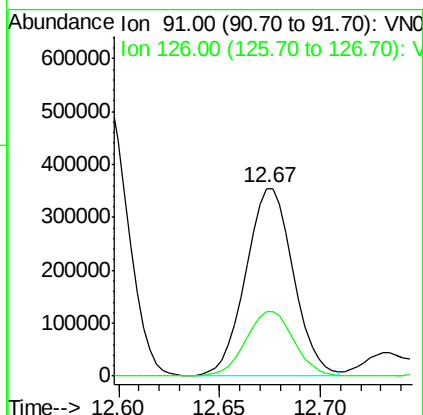
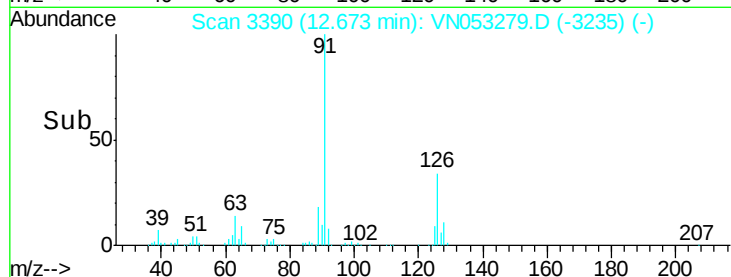
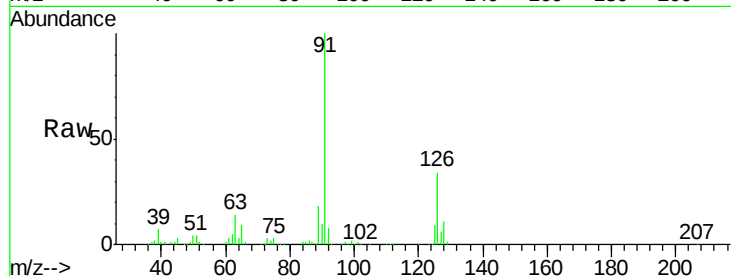
VN0104WBS01

Tot Ion: 91 Resp: 585312

Ion Ratio Lower Upper

91 100

126 34.9 0.0 68.4



#76

1,3,5-Trimethylbenzene

Concen: 19.616 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN053279.D

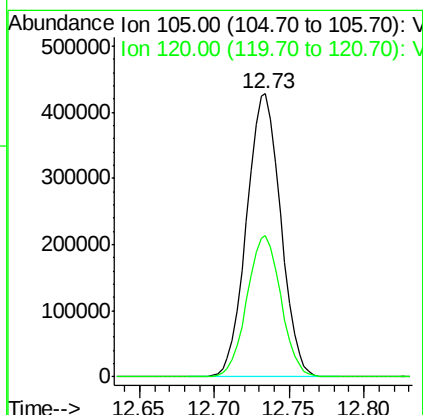
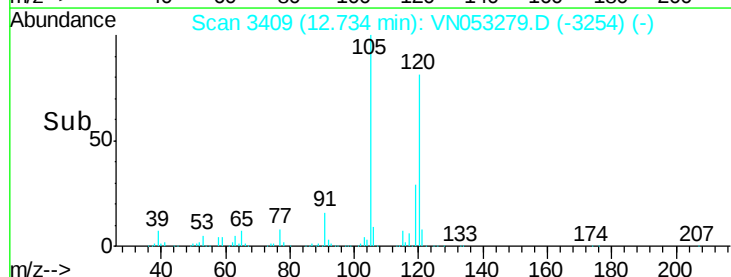
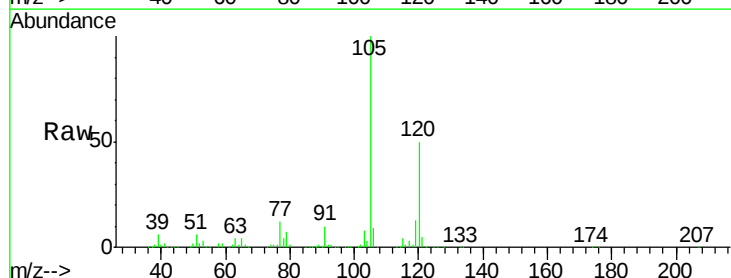
Acq: 4 Jan 2019 10:24

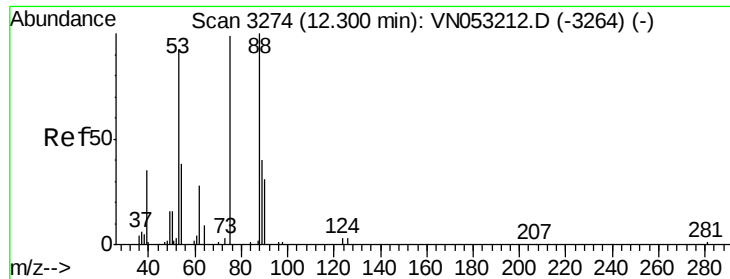
Tgt Ion:105 Resp: 678753

Ion Ratio Lower Upper

105 100

120 49.7 0.0 97.4





#77

t-1,4-Dichloro-2-butene

Concen: 17.794 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN053279.D

Acq: 4 Jan 2019 10:24

Instrument :

MSVOA_N

ClientSampled :

VN0104WBS01

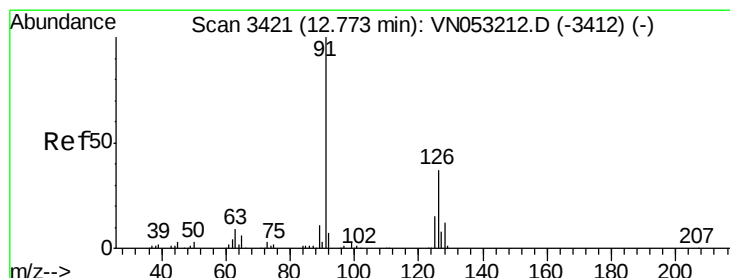
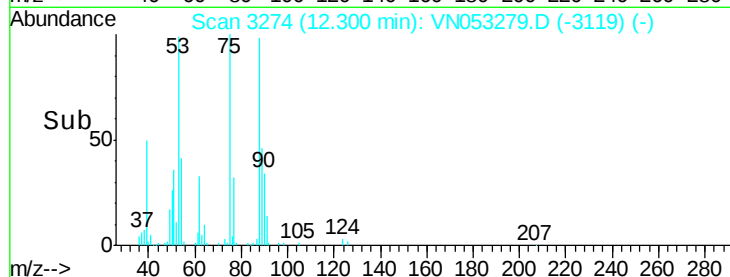
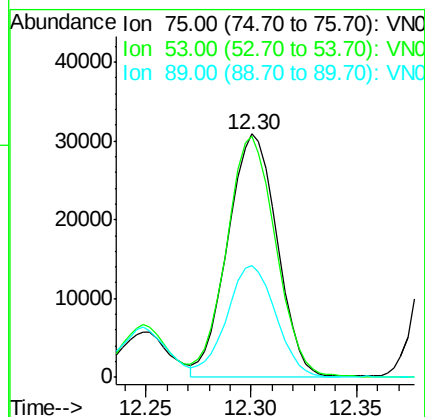
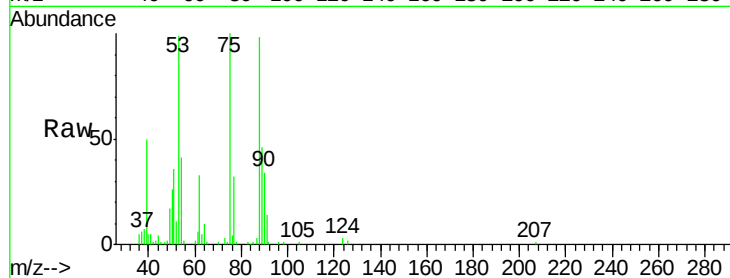
Tot Ion: 75 Resp: 50273

Ion Ratio Lower Upper

75 100

53 98.5 48.5 145.6

89 46.0 21.7 65.1



#78

4-Chlorotoluene

Concen: 19.271 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN053279.D

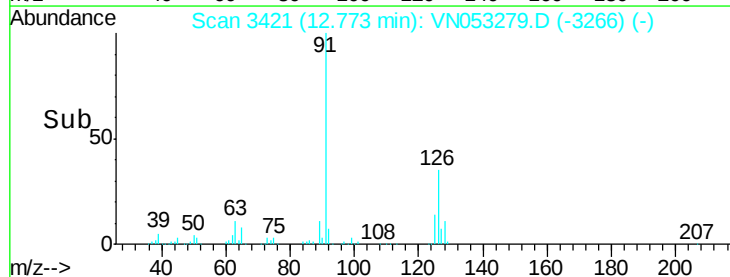
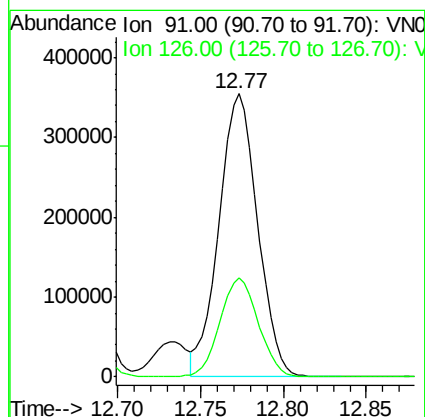
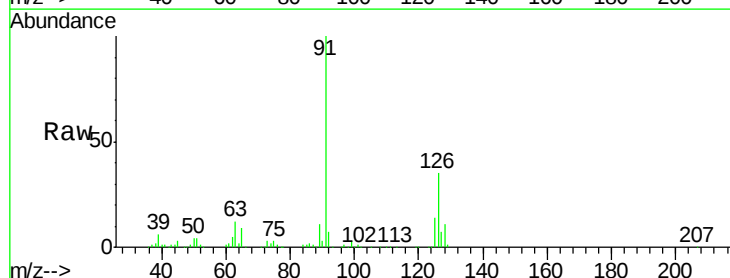
Acq: 4 Jan 2019 10:24

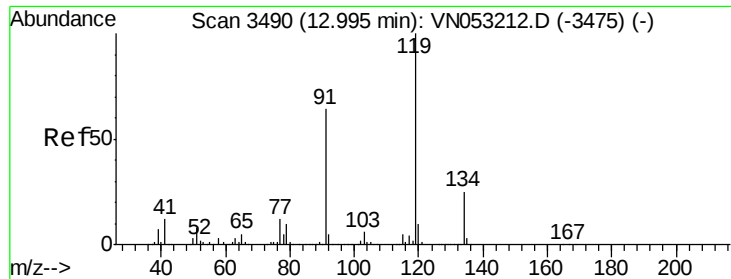
Tgt Ion: 91 Resp: 573642

Ion Ratio Lower Upper

91 100

126 34.8 0.0 68.2

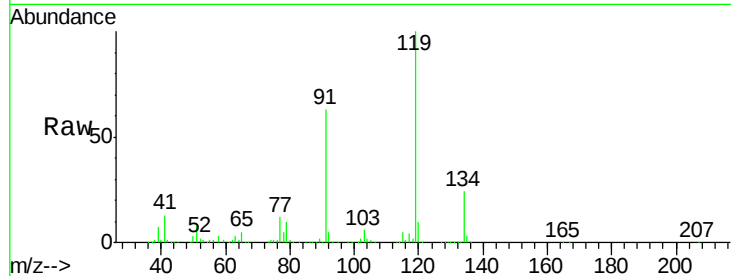




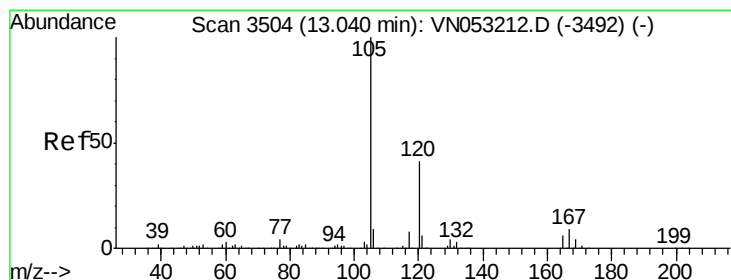
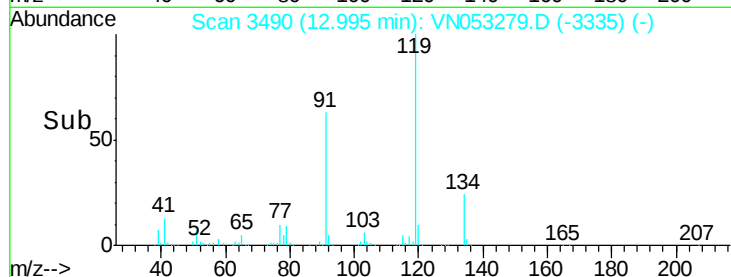
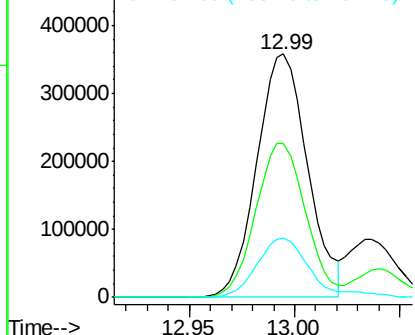
#79
tert-butylbenzene
Concen: 19.889 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. -0.00 min
Lab File: VN053279.D
Acq: 4 Jan 2019 10:24

Instrument :
MSVOA_N
ClientSampleId :
VN0104WBS01

Tot Ion:119 Resp: 600179
Ion Ratio Lower Upper
119 100
91 62.0 0.0 129.8
134 25.5 0.0 52.2

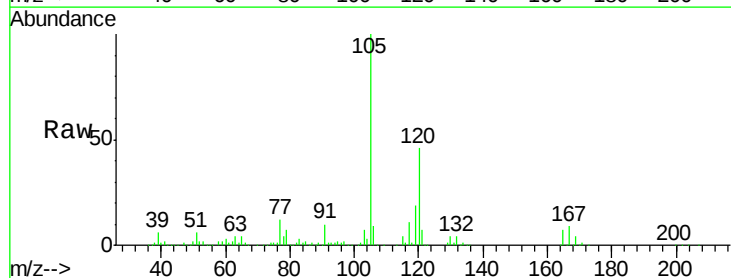


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

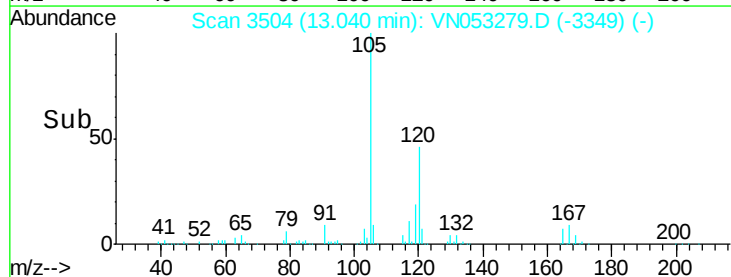
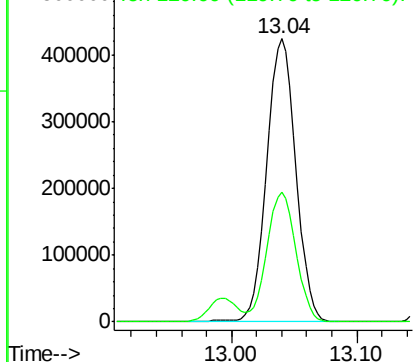


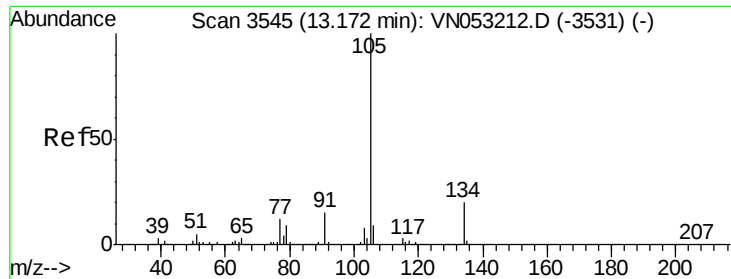
#80
1,2,4-Trimethylbenzene
Concen: 19.782 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN053279.D
Acq: 4 Jan 2019 10:24

Tgt Ion:105 Resp: 686035
Ion Ratio Lower Upper
105 100
120 45.5 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: 19.752 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN053279.D

Acq: 4 Jan 2019 10:24

Instrument :

MSVOA_N

ClientSampled :

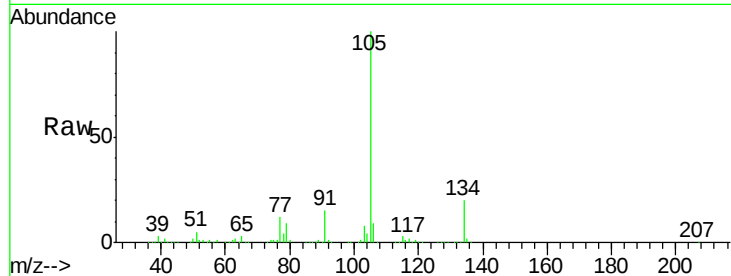
VN0104WBS01

Tot Ion:105 Resp: 789287

Ion Ratio Lower Upper

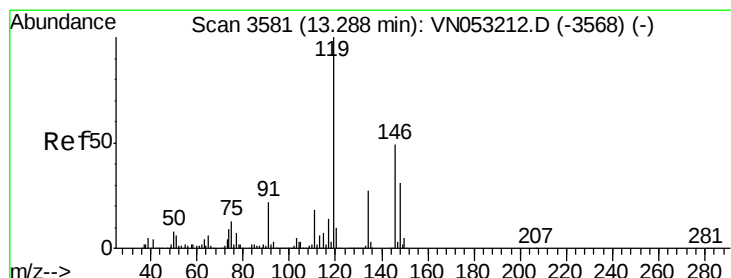
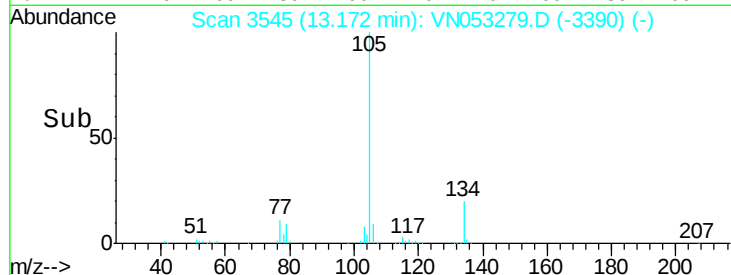
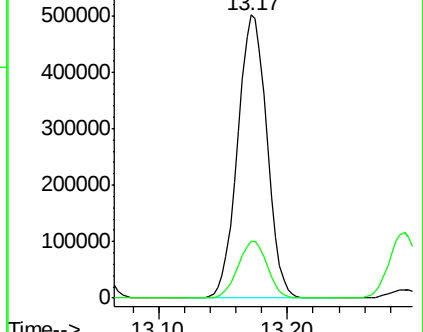
105 100

134 20.3 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: 19.331 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053279.D

Acq: 4 Jan 2019 10:24

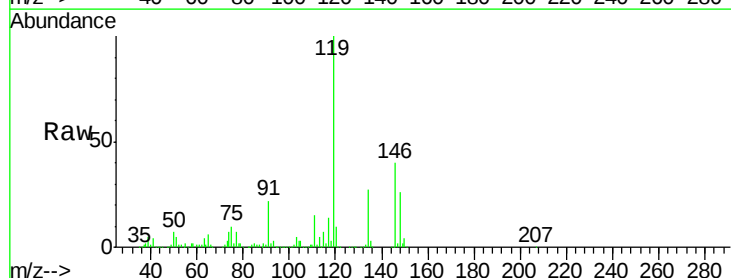
Tgt Ion:119 Resp: 667500

Ion Ratio Lower Upper

119 100

134 26.9 0.0 52.6

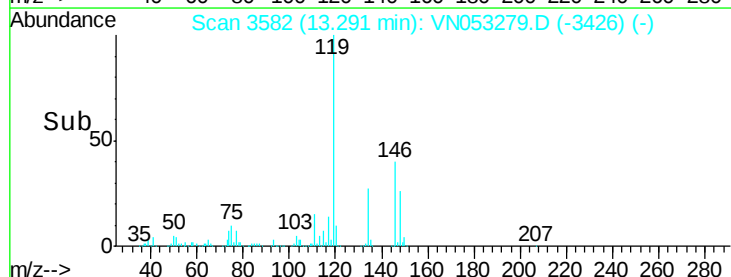
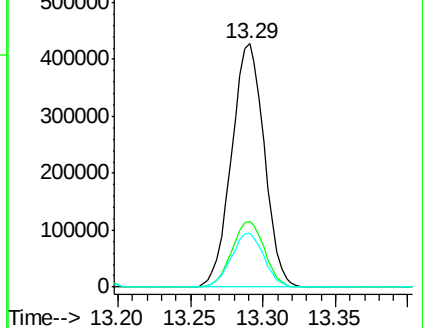
91 22.1 0.0 46.2

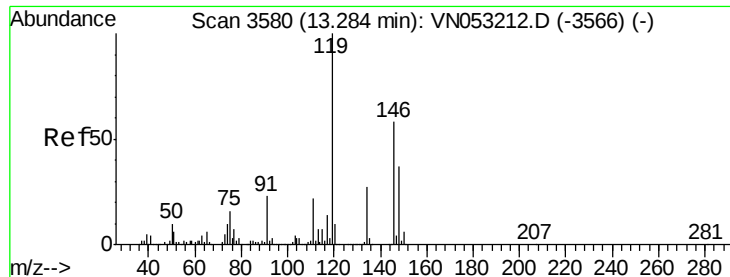


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#83

1,3-Dichlorobenzene

Concen: 18.878 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN053279.D

Acq: 4 Jan 2019 10:24

Instrument :

MSVOA_N

ClientSampleId :

VN0104WBS01

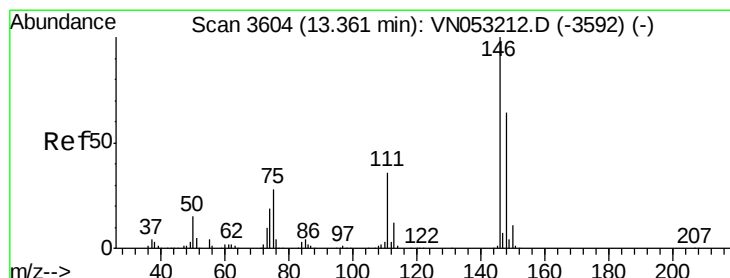
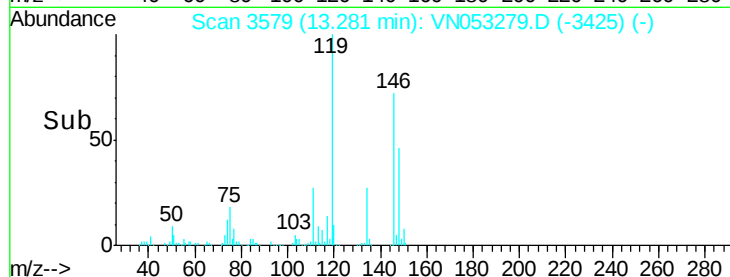
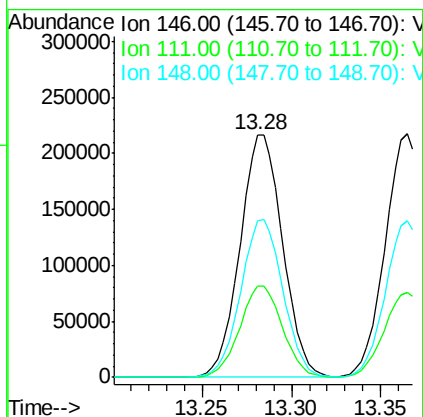
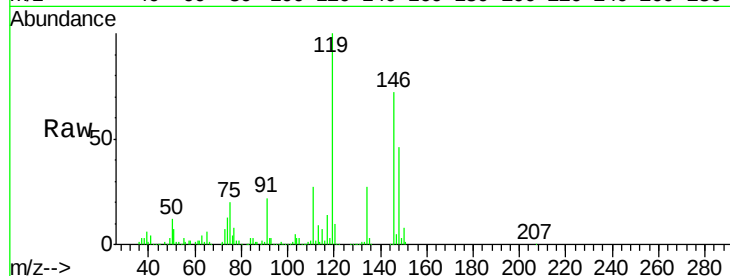
Tot Ion:146 Resp: 360397

Ion Ratio Lower Upper

146 100

111 37.8 19.7 59.0

148 64.6 32.3 96.8



#84

1,4-Dichlorobenzene

Concen: 18.779 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN053279.D

Acq: 4 Jan 2019 10:24

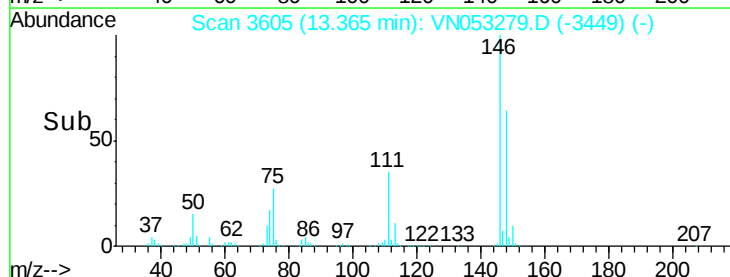
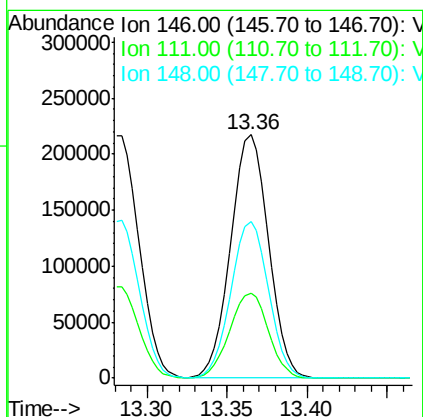
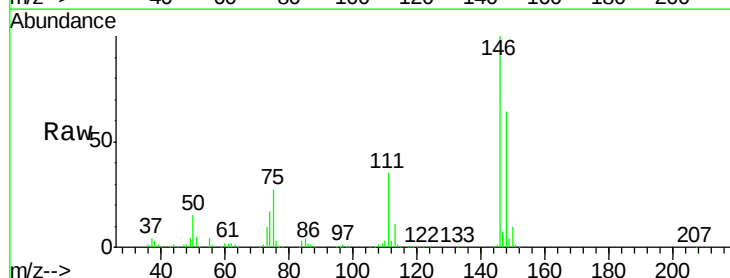
Tgt Ion:146 Resp: 349466

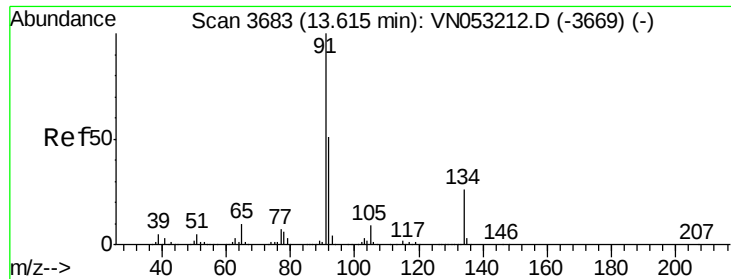
Ion Ratio Lower Upper

146 100

111 35.9 18.8 56.3

148 64.2 32.5 97.4





#85

n-Butylbenzene

Concen: 18.190 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. -0.00 min

Lab File: VN053279.D

Acq: 4 Jan 2019 10:24

Instrument :

MSVOA_N

ClientSampled :

VN0104WBS01

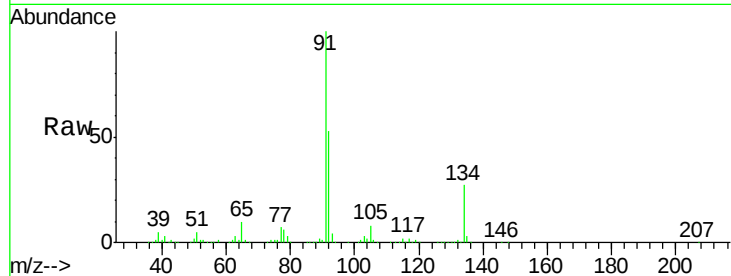
Tot Ion: 91 Resp: 510794

Ion Ratio Lower Upper

91 100

92 52.4 0.0 104.2

134 26.9 0.0 50.6

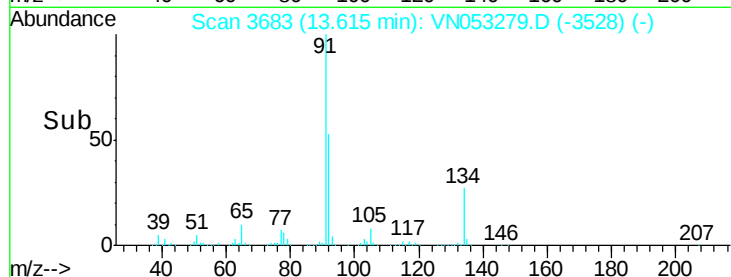


Abundance Ion 91.00 (90.70 to 91.70): VN053212.D (-3669) (-)

Ion 92.00 (91.70 to 92.70): VN053212.D (-3669) (-)

Ion 134.00 (133.70 to 134.70): VN053212.D (-3669) (-)

Time-->

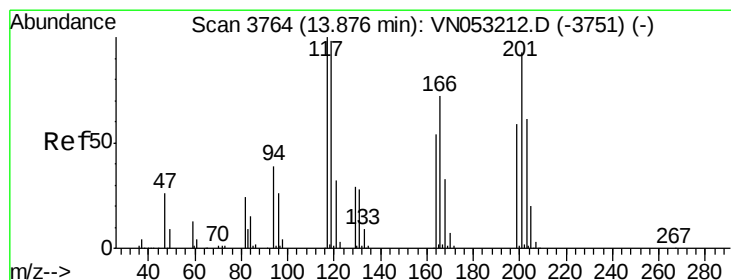


Abundance Ion 91.00 (90.70 to 91.70): VN053279.D (-3528) (-)

Ion 92.00 (91.70 to 92.70): VN053279.D (-3528) (-)

Ion 134.00 (133.70 to 134.70): VN053279.D (-3528) (-)

Time-->



#86

Hexachloroethane

Concen: 17.840 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. -0.00 min

Lab File: VN053279.D

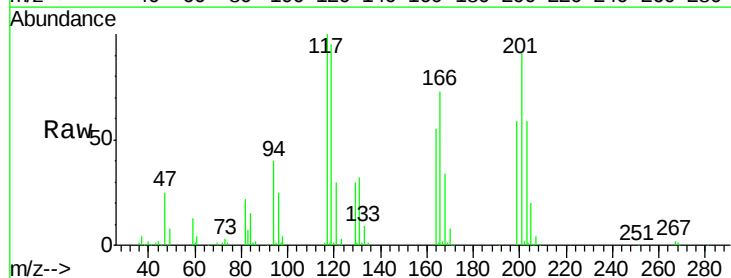
Acq: 4 Jan 2019 10:24

Tgt Ion: 117 Resp: 98354

Ion Ratio Lower Upper

117 100

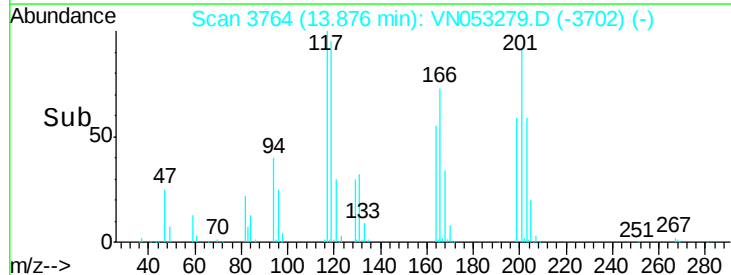
201 93.6 43.8 131.3



Abundance Ion 117.00 (116.70 to 117.70): VN053212.D (-3751) (-)

Ion 201.00 (200.70 to 201.70): VN053212.D (-3751) (-)

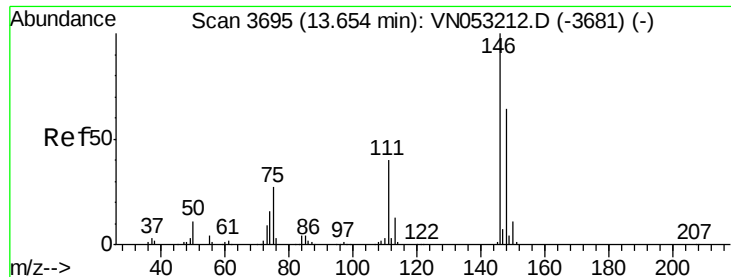
Time-->



Abundance Ion 117.00 (116.70 to 117.70): VN053279.D (-3702) (-)

Ion 201.00 (200.70 to 201.70): VN053279.D (-3702) (-)

Time-->



#87

1,2-Dichlorobenzene

Concen: 18.398 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN053279.D

Acq: 4 Jan 2019 10:24

Instrument :

MSVOA_N

ClientSampled :

VN0104WBS01

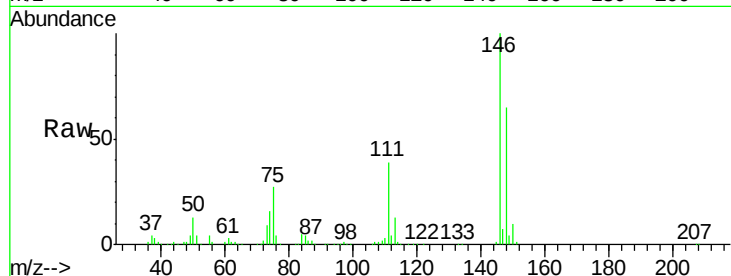
Tot Ion:146 Resp: 326363

Ion Ratio Lower Upper

146 100

111 39.5 20.3 60.8

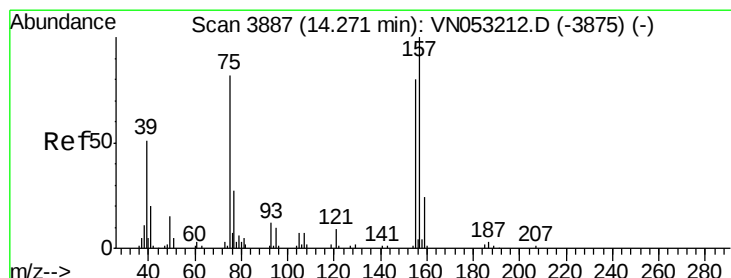
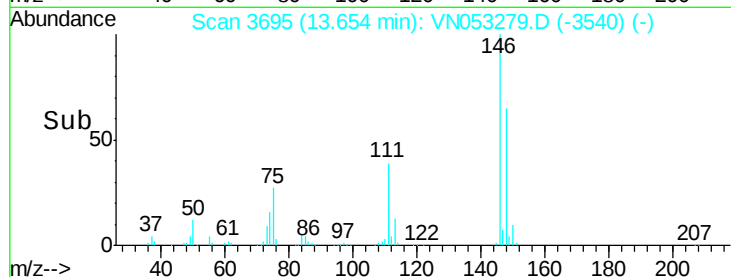
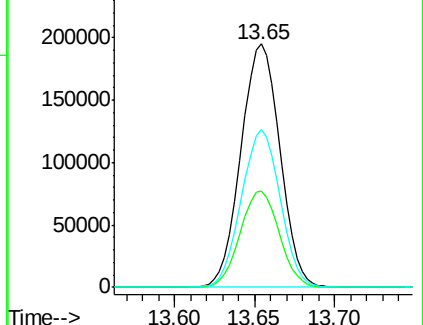
148 64.5 32.1 96.5



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: 12.078 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. -0.00 min

Lab File: VN053279.D

Acq: 4 Jan 2019 10:24

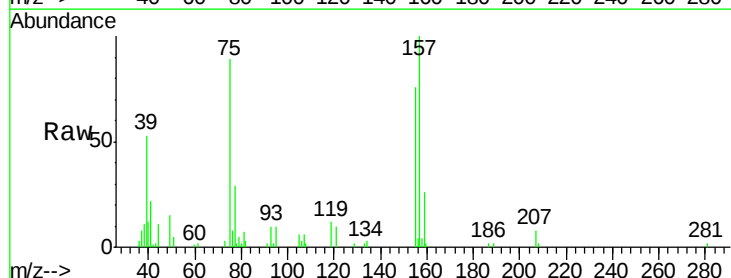
Tgt Ion: 75 Resp: 15860

Ion Ratio Lower Upper

75 100

155 86.3 72.2 108.2

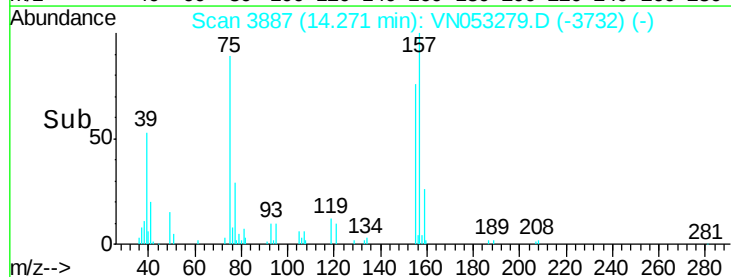
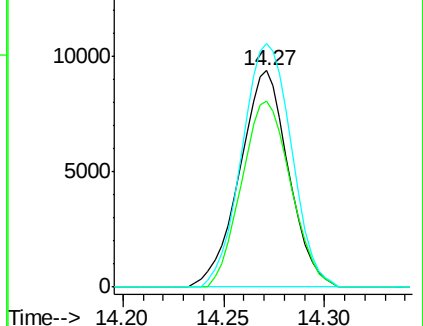
157 114.3 94.2 141.2

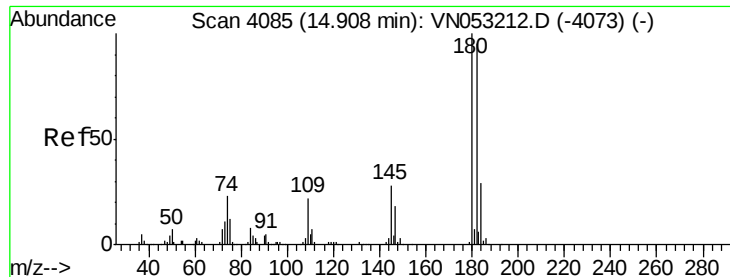


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

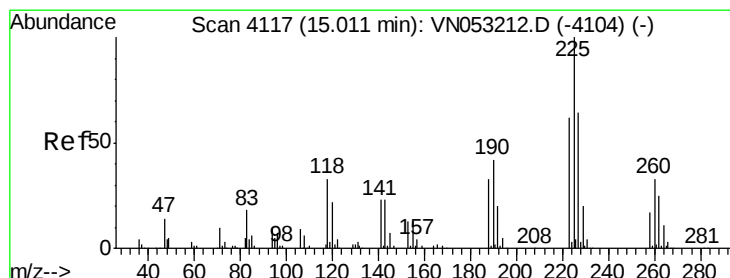
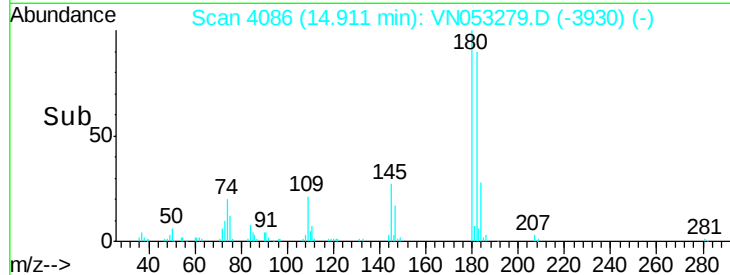
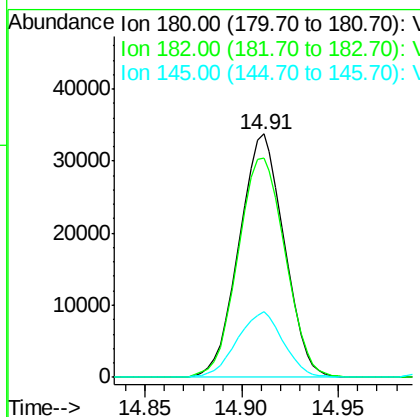
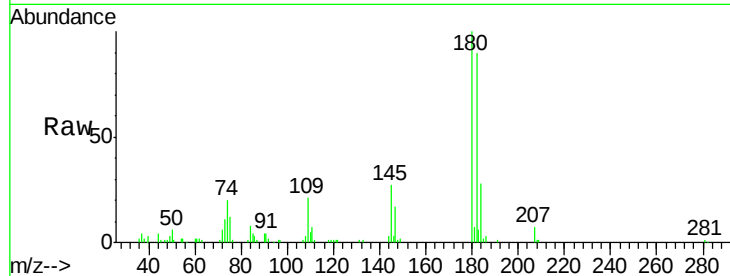




#89
 1,2,4-Trichlorobenzene
 Concen: 6.350 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN053279.D
 Acq: 4 Jan 2019 10:24

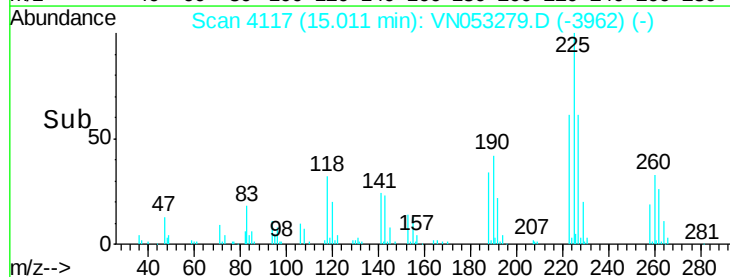
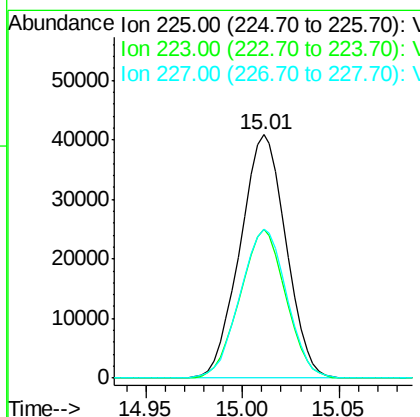
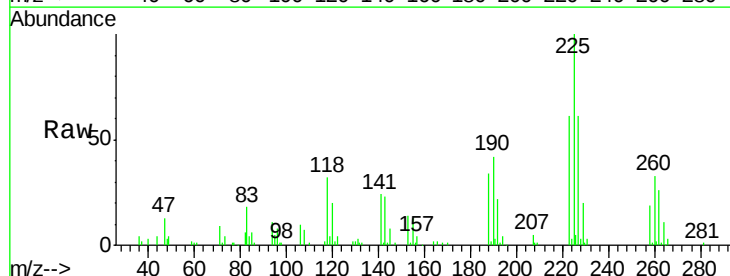
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0104WBS01

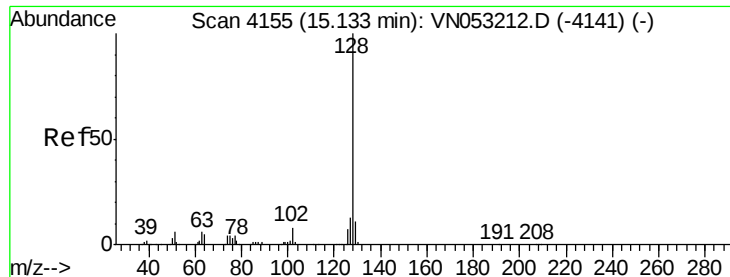
Tot Ion:180 Resp: 54677
 Ion Ratio Lower Upper
 180 100
 182 94.9 76.6 114.8
 145 27.6 23.6 35.4



#90
 Hexachlorobutadiene
 Concen: 12.958 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN053279.D
 Acq: 4 Jan 2019 10:24

Tgt Ion:225 Resp: 67534
 Ion Ratio Lower Upper
 225 100
 223 60.6 0.0 125.6
 227 62.1 0.0 127.8





#91

Naphthalene

Concen: 4.514 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN053279.D

Acq: 4 Jan 2019 10:24

Instrument :

MSVOA_N

ClientSampleId :

VN0104WBS01

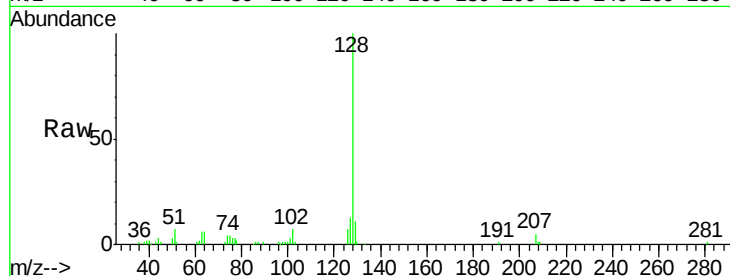
Tot Ion:128 Resp: 82459

Ion Ratio Lower Upper

128 100

127 12.7 9.9 14.9

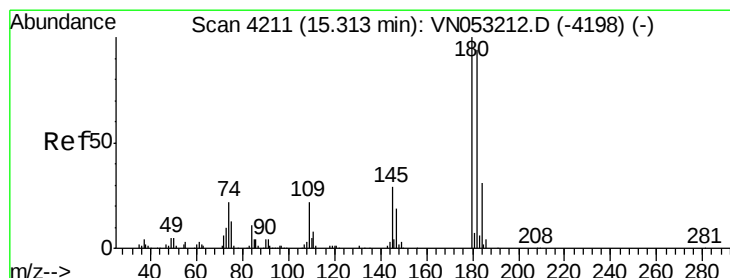
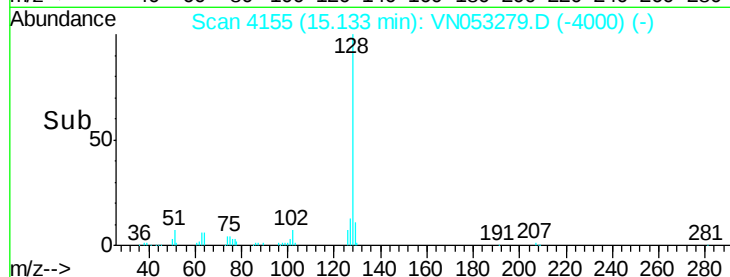
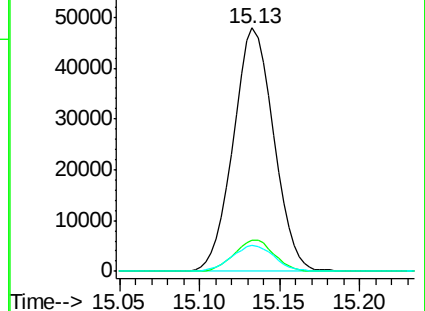
129 11.1 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#92

1,2,3-Trichlorobenzene

Concen: 4.239 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN053279.D

Acq: 4 Jan 2019 10:24

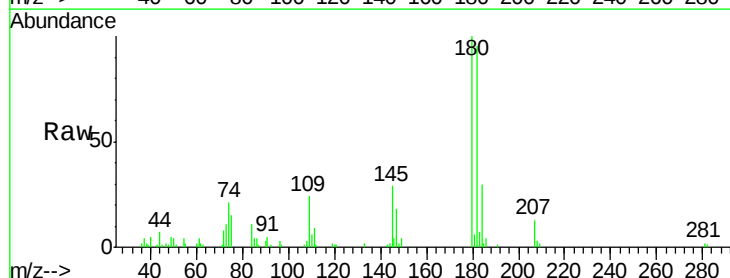
Tgt Ion:180 Resp: 32560

Ion Ratio Lower Upper

180 100

182 97.7 0.0 196.2

145 28.3 0.0 62.2



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

