

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012219\
 Data File : VN053516.D
 Acq On : 22 Jan 2019 13:50
 Operator : JC/SP
 Sample : VN0122WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0122WBSD01

Quant Time: Jan 23 02:53:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011519W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 03:10:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	735611	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1114288	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	996379	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	482555	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	374246	51.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.94%	
35) Dibromofluoromethane	7.59	113	335226	52.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.42%	
50) Toluene-d8	10.09	98	1346006	50.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.10%	
62) 4-Bromofluorobenzene	12.40	95	455653	48.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.64%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.85	85	119872	20.268	ug/l	99
3) Chloromethane	2.06	50	156970	18.563	ug/l	100
4) Vinyl Chloride	2.19	62	161599	19.825	ug/l	99
5) Bromomethane	2.57	94	116102	20.759	ug/l	96
6) Chloroethane	2.71	64	100083	20.308	ug/l	96
7) Trichlorofluoromethane	3.02	101	225049	21.108	ug/l	97
8) Diethyl Ether	3.41	74	87685	21.897	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.77	101	142083	21.042	ug/l	99
10) Methyl Iodide	3.96	142	209229	20.277	ug/l	99
11) Tert butyl alcohol	4.77	59	44182	124.185	ug/l	99
12) 1,1-Dichloroethene	3.74	96	136250	20.804	ug/l	97
13) Acrolein	3.61	56	67576	111.224	ug/l	99
14) Allyl chloride	4.33	41	226342	21.277	ug/l	100
15) Acrylonitrile	4.99	53	253629	108.324	ug/l	99
16) Acetone	3.82	43	179473	105.210	ug/l	99
17) Carbon Disulfide	4.06	76	378459	19.109	ug/l	100
18) Methyl Acetate	4.33	43	126182	21.955	ug/l	100
19) Methyl tert-butyl Ether	5.04	73	382809	21.998	ug/l	98
20) Methylene Chloride	4.55	84	158326	20.329	ug/l	96
21) trans-1,2-Dichloroethene	5.05	96	147219	21.026	ug/l	99
22) Diisopropyl ether	5.95	45	490959	22.107	ug/l	97
23) Vinyl Acetate	5.90	43	1492189	109.305	ug/l	100
24) 1,1-Dichloroethane	5.85	63	279417	21.283	ug/l	99
25) 2-Butanone	6.83	43	284180	108.105	ug/l	98
26) 2,2-Dichloropropane	6.83	77	205668	20.749	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	171600	21.432	ug/l	99
28) Bromochloromethane	7.19	49	115739	20.011	ug/l	100
29) Tetrahydrofuran	7.21	42	188835	110.344	ug/l	99
30) Chloroform	7.37	83	279104	21.820	ug/l	99
31) Cyclohexane	7.65	56	259834	20.204	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	230419	21.235	ug/l	99
36) 1,1-Dichloropropene	7.79	75	208779	20.573	ug/l	99
37) Ethyl Acetate	6.93	43	125793	21.546	ug/l	98
38) Carbon Tetrachloride	7.77	117	204429	21.278	ug/l	95

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 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 03:10:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	256848	20.478	ug/l	98
40) Benzene	8.04	78	654055	21.209	ug/l	100
41) Methacrylonitrile	7.17	41	68158	20.052	ug/l	90
42) 1,2-Dichloroethane	8.12	62	193157	21.500	ug/l	100
43) Isopropyl Acetate	8.16	43	229518	21.863	ug/l	99
44) Trichloroethene	8.84	130	181973	21.279	ug/l	99
45) 1,2-Dichloropropane	9.12	63	177301	21.707	ug/l	98
46) Dibromomethane	9.21	93	99604	21.225	ug/l	98
47) Bromodichloromethane	9.40	83	209354	21.213	ug/l	100
48) Methyl methacrylate	9.20	41	112898	20.828	ug/l	99
49) 1,4-Dioxane	9.20	88	27315	515.986	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	627219	109.445	ug/l	100
52) Toluene	10.16	92	398702	20.826	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	211925	21.186	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	249112	21.244	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	144897	21.953	ug/l	98
56) Ethyl methacrylate	10.43	69	179825	20.465	ug/l	100
57) 1,3-Dichloropropane	10.71	76	245717	21.520	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	446992	96.802	ug/l	100
59) 2-Hexanone	10.75	43	422470	105.013	ug/l	99
60) Dibromochloromethane	10.90	129	159730	21.336	ug/l	100
61) 1,2-Dibromoethane	11.00	107	144051	21.579	ug/l	98
64) Tetrachloroethene	10.63	164	201017	21.408	ug/l	99
65) Chlorobenzene	11.43	112	445120	21.106	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	160593	21.888	ug/l	98
67) Ethyl Benzene	11.51	91	751779	20.916	ug/l	100
68) m/p-Xylenes	11.62	106	580166	42.753	ug/l	100
69) o-Xylene	11.95	106	279101	21.166	ug/l	99
70) Styrene	11.96	104	459831	21.487	ug/l	100
71) Bromoform	12.13	173	109199	21.619	ug/l #	100
73) Isopropylbenzene	12.25	105	748104	21.170	ug/l	100
74) N-amyl acetate	12.07	43	202027	21.446	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	154075	20.789	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	214163	33.678	ug/l #	100
77) Bromobenzene	12.53	156	196565	21.110	ug/l	100
78) n-propylbenzene	12.59	91	851865	21.001	ug/l	100
79) 2-Chlorotoluene	12.67	91	501761	20.869	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	619713	21.554	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	46673	20.167	ug/l	96
82) 4-Chlorotoluene	12.77	91	516480	21.064	ug/l	100
83) tert-Butylbenzene	12.99	119	550885	21.693	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	626424	21.608	ug/l	100
85) sec-Butylbenzene	13.17	105	742838	21.329	ug/l	100
86) p-Isopropyltoluene	13.29	119	647240	21.404	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	346807	21.173	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	340926	20.750	ug/l	98
89) n-Butylbenzene	13.61	91	536883	20.828	ug/l	99
90) Hexachloroethane	13.87	117	101032	21.303	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	339649	22.539	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	23813	25.340	ug/l	96

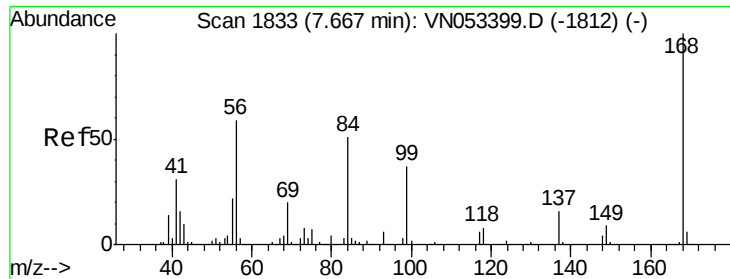
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012219\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	152890	24.489	ug/l	99
94) Hexachlorobutadiene	15.01	225	113105	24.061	ug/l	99
95) Naphthalene	15.13	128	249750	23.662	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	114561	25.613	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN053516.D

Acq: 22 Jan 2019 13:50

Instrument :

MSVOA_N

ClientSampleId :

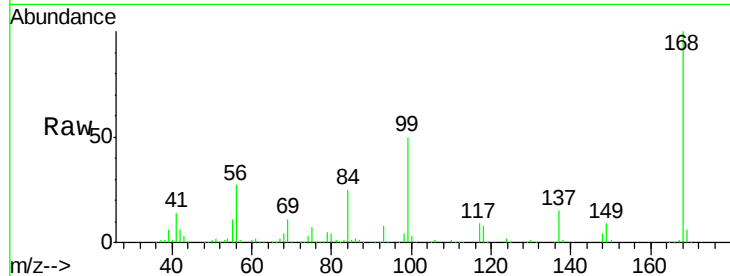
VN0122WBSD01

Tot Ion:168 Resp: 735611

Ion Ratio Lower Upper

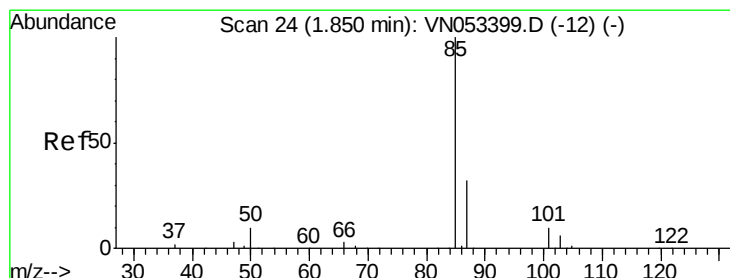
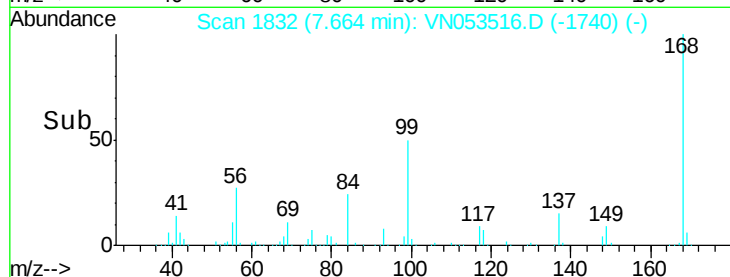
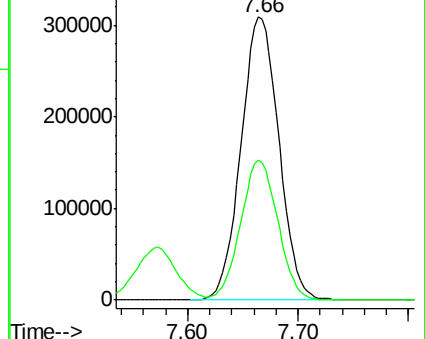
168 100

99 49.5 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#2

Dichlorodifluoromethane

Concen: 20.268 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053516.D

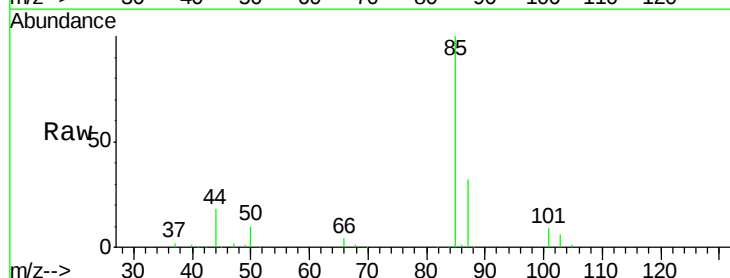
Acq: 22 Jan 2019 13:50

Tgt Ion: 85 Resp: 119872

Ion Ratio Lower Upper

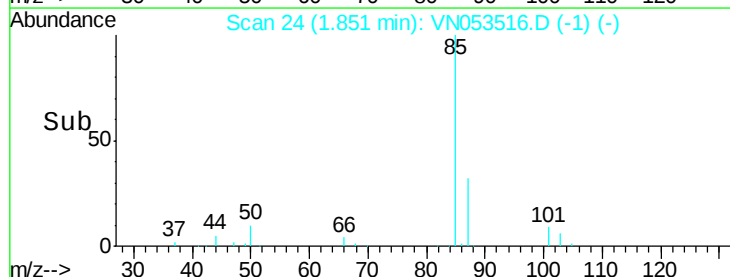
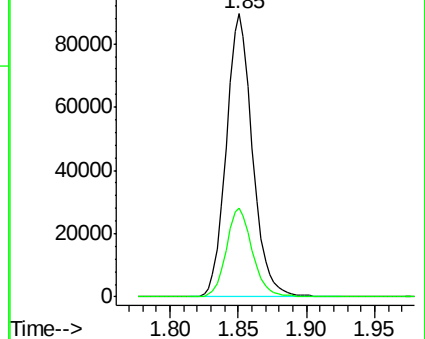
85 100

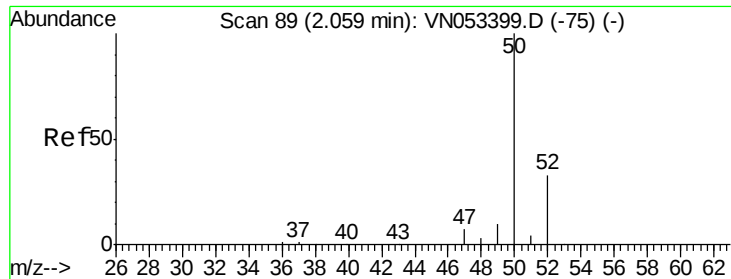
87 31.5 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0





#3

Chloromethane

Concen: 18.563 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN053516.D

Acq: 22 Jan 2019 13:50

Instrument :

MSVOA_N

ClientSampleId :

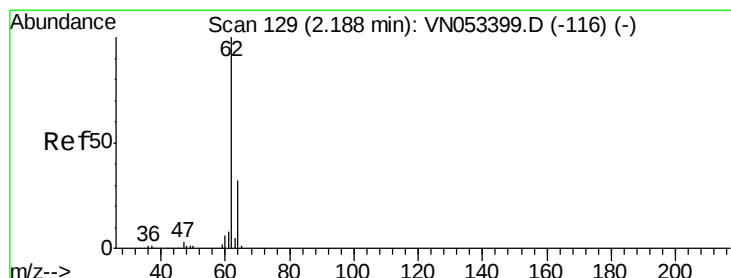
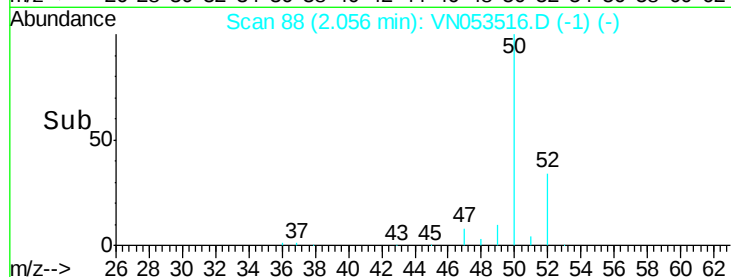
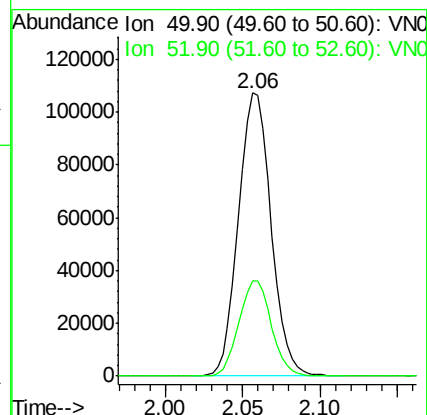
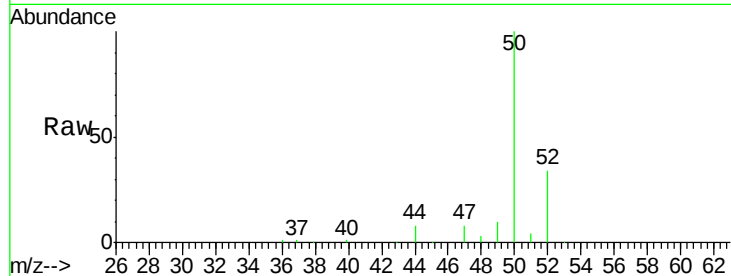
VN0122WBSD01

Tot Ion: 50 Resp: 156970

Ion Ratio Lower Upper

50 100

52 33.5 26.6 40.0



#4

Vinyl Chloride

Concen: 19.825 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN053516.D

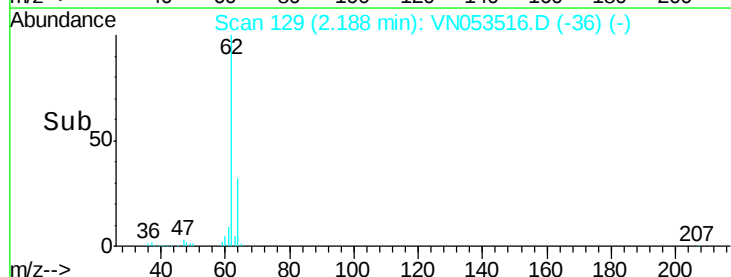
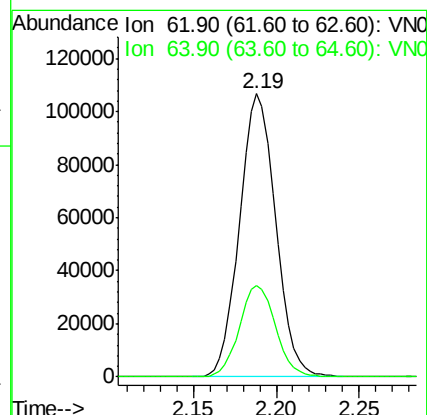
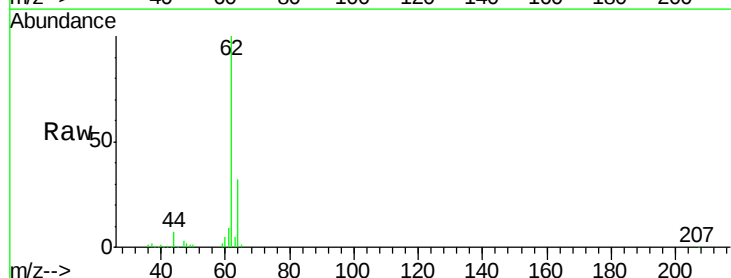
Acq: 22 Jan 2019 13:50

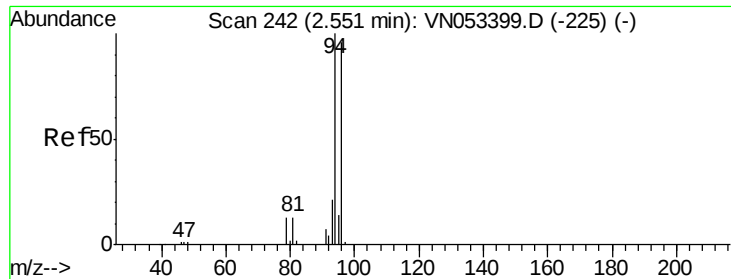
Tgt Ion: 62 Resp: 161599

Ion Ratio Lower Upper

62 100

64 32.3 25.4 38.2





#5

Bromomethane

Concen: 20.759 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.02 min

Lab File: VN053516.D

Acq: 22 Jan 2019 13:50

Instrument :

MSVOA_N

ClientSampleId :

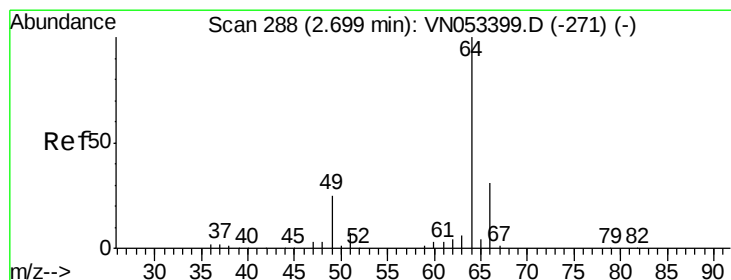
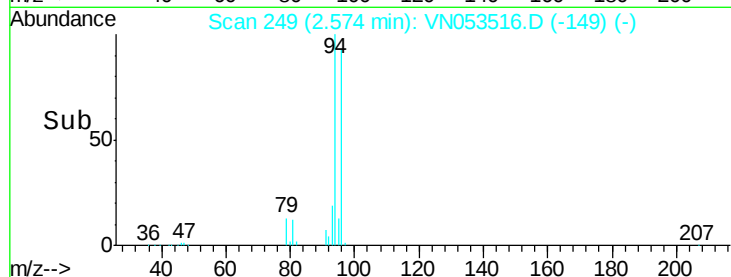
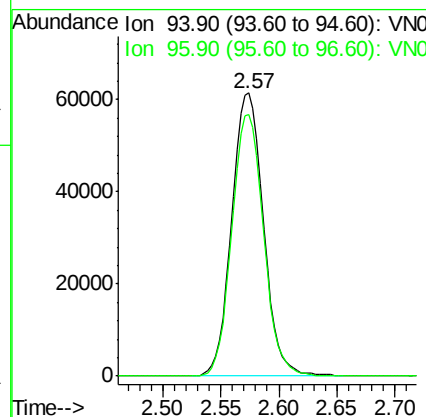
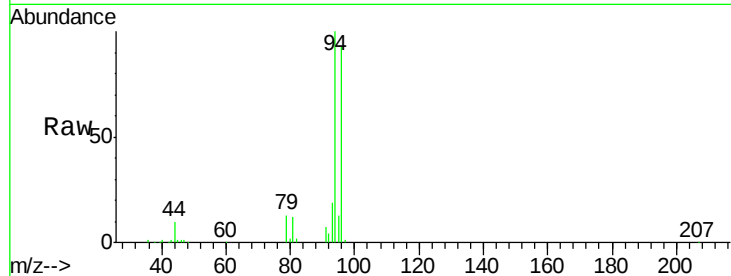
VN0122WBSD01

Tot Ion: 94 Resp: 116102

Ion Ratio Lower Upper

94 100

96 92.6 76.8 115.2



#6

Chloroethane

Concen: 20.308 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.01 min

Lab File: VN053516.D

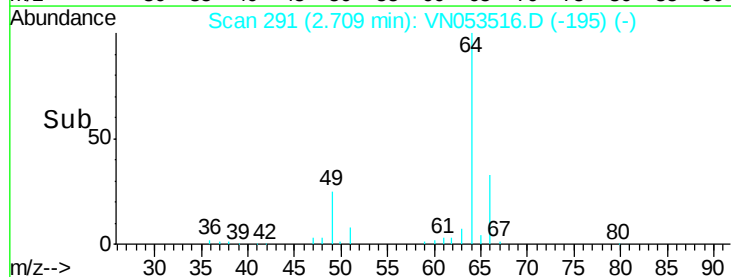
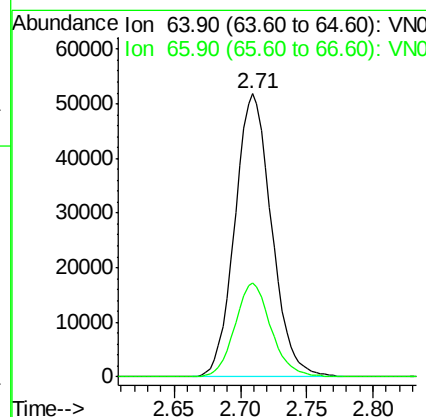
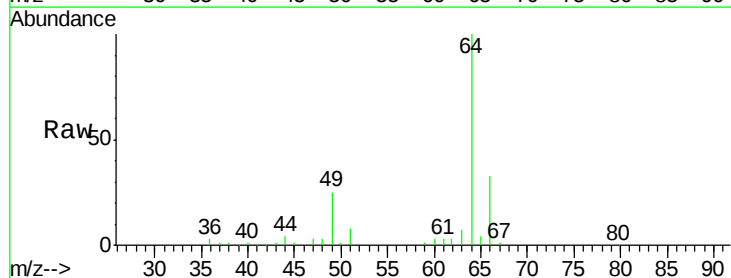
Acq: 22 Jan 2019 13:50

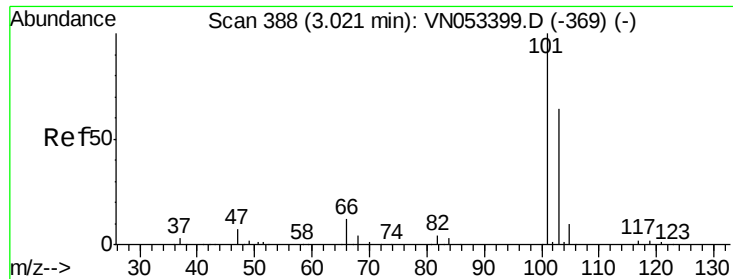
Tgt Ion: 64 Resp: 100083

Ion Ratio Lower Upper

64 100

66 33.4 25.1 37.7



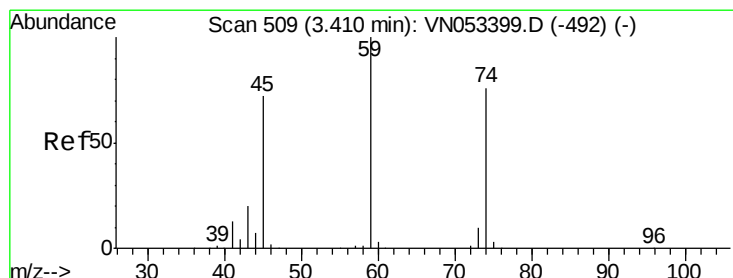
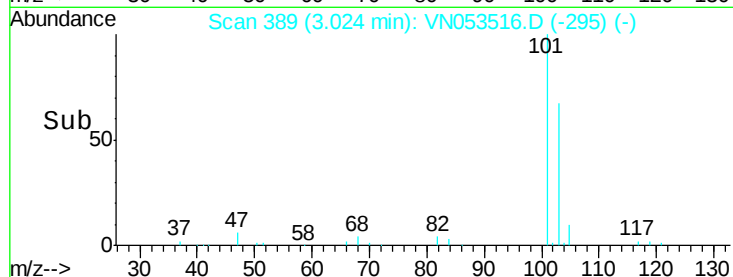
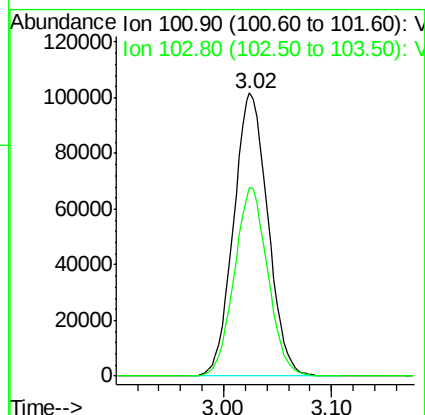
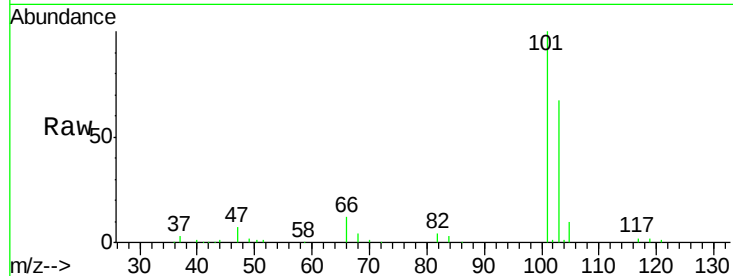


#7

Trichlorofluoromethane
 Concen: 21.108 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN053516.D
 Acq: 22 Jan 2019 13:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0122WBSD01

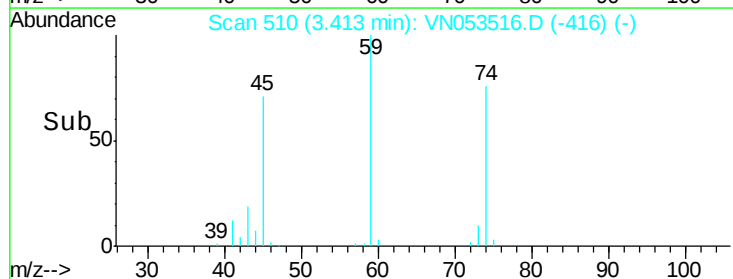
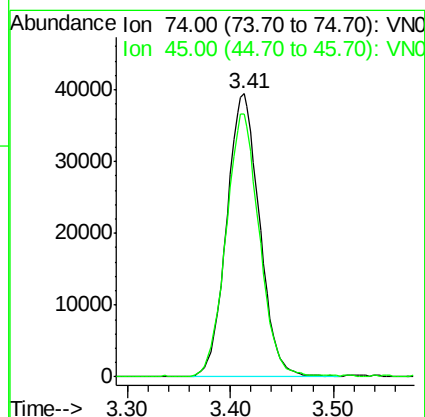
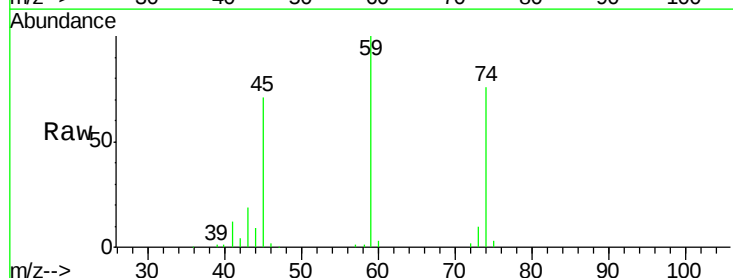
Tot Ion:101 Resp: 225049
 Ion Ratio Lower Upper
 101 100
 103 66.5 51.6 77.4

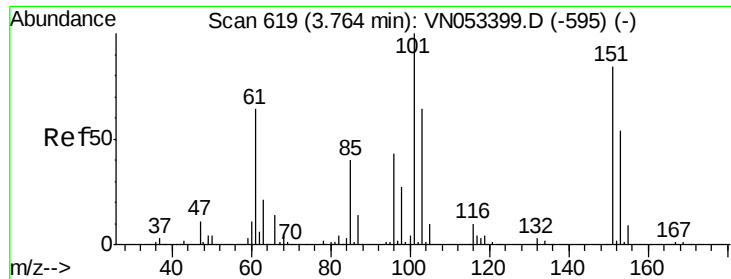


#8

Diethyl Ether
 Concen: 21.897 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN053516.D
 Acq: 22 Jan 2019 13:50

Tgt Ion: 74 Resp: 87685
 Ion Ratio Lower Upper
 74 100
 45 94.1 47.9 143.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.042 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.00 min

Lab File: VN053516.D

Acq: 22 Jan 2019 13:50

Instrument :

MSVOA_N

ClientSampleId :

VN0122WBSD01

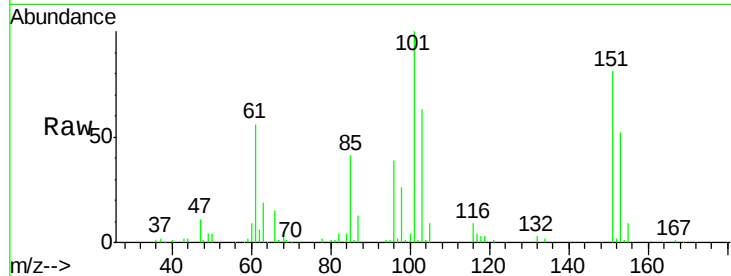
Tot Ion:101 Resp: 142083

Ion Ratio Lower Upper

101 100

85 42.5 32.8 49.2

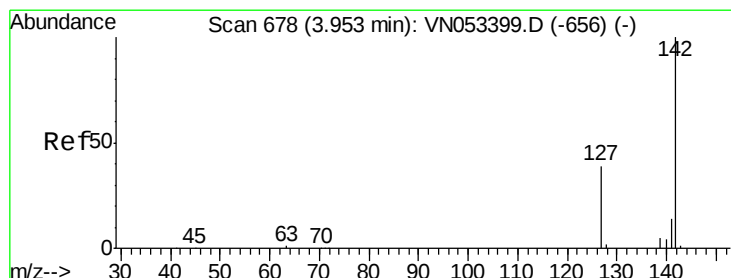
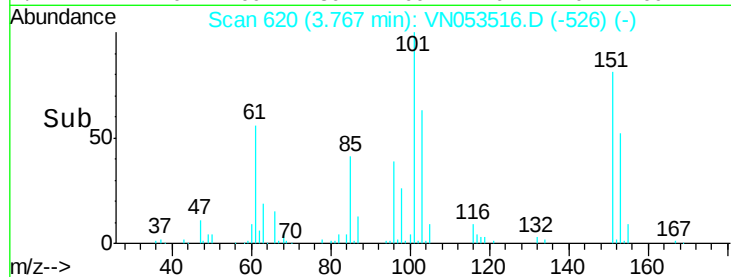
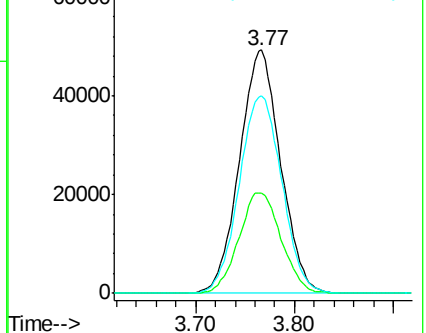
151 84.3 66.9 100.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.277 ug/l

RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

Lab File: VN053516.D

Acq: 22 Jan 2019 13:50

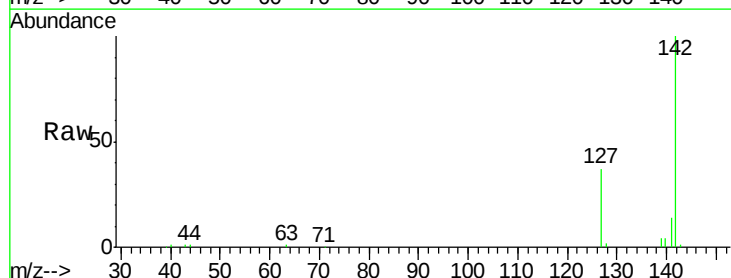
Tgt Ion:142 Resp: 209229

Ion Ratio Lower Upper

142 100

127 38.1 31.0 46.4

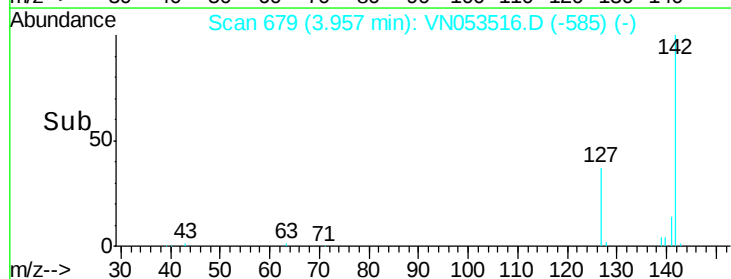
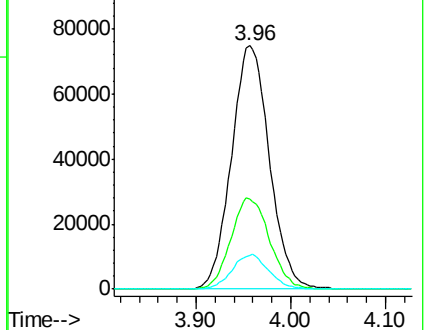
141 13.7 11.1 16.7

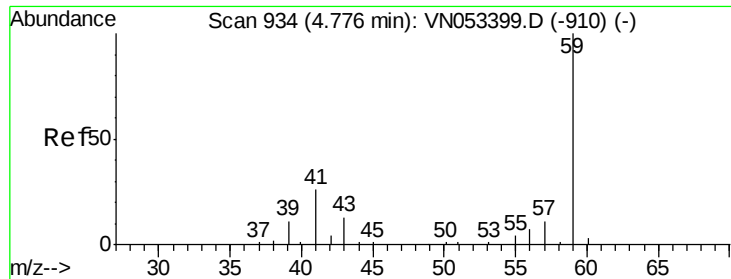


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

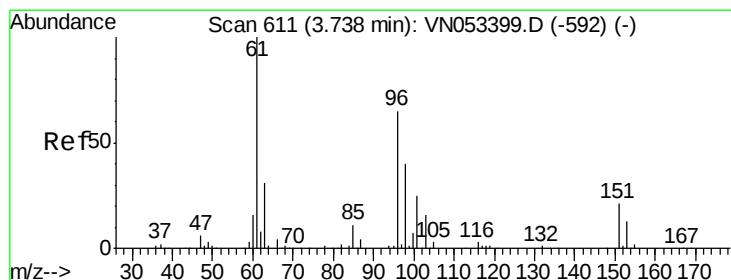
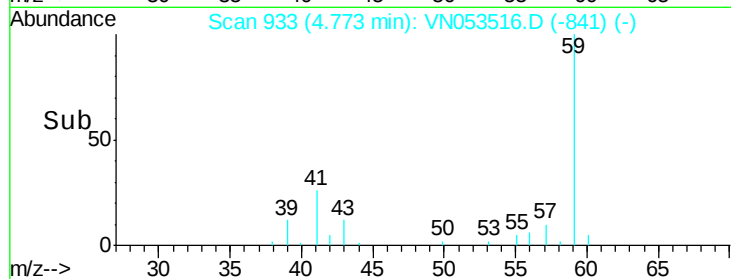
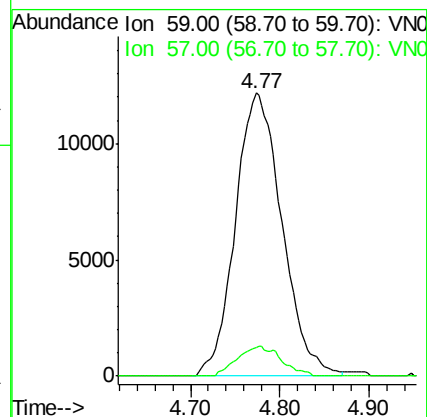
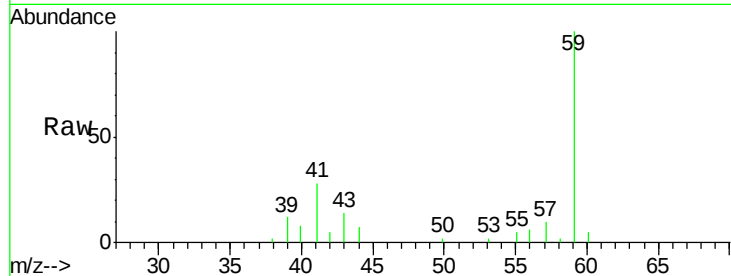




#11
Tert butyl alcohol
Concen: 124.185 ug/l
RT: 4.77 min Scan# 933
Delta R.T. -0.00 min
Lab File: VN053516.D
Acq: 22 Jan 2019 13:50

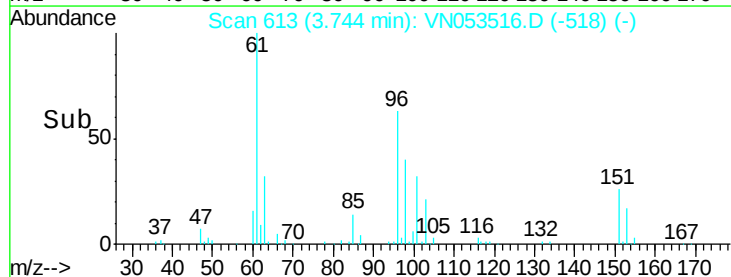
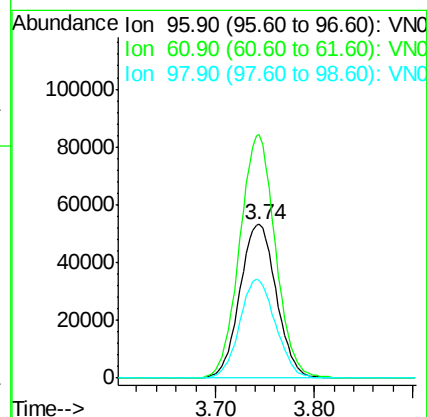
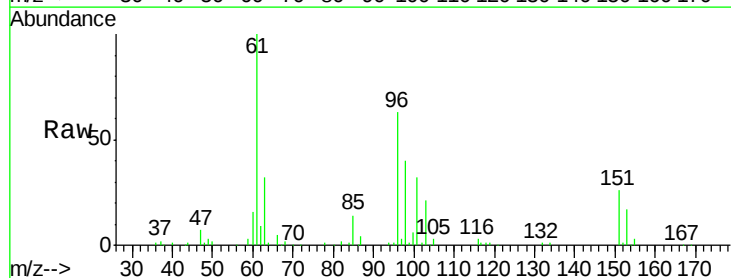
Instrument :
MSVOA_N
ClientSampled :
VN0122WBSD01

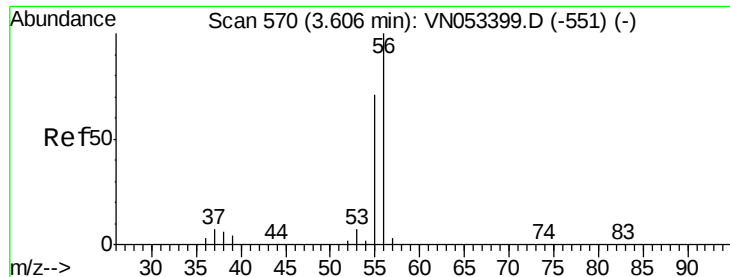
Tot Ion: 59 Resp: 44182
Ion Ratio Lower Upper
59 100
57 9.9 8.2 12.4



#12
1,1-Dichloroethene
Concen: 20.804 ug/l
RT: 3.74 min Scan# 613
Delta R.T. 0.01 min
Lab File: VN053516.D
Acq: 22 Jan 2019 13:50

Tgt Ion: 96 Resp: 136250
Ion Ratio Lower Upper
96 100
61 158.2 122.9 184.3
98 63.5 49.4 74.0





#13

Acrolein

Concen: 111.224 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN053516.D

Acq: 22 Jan 2019 13:50

Instrument :

MSVOA_N

ClientSampleId :

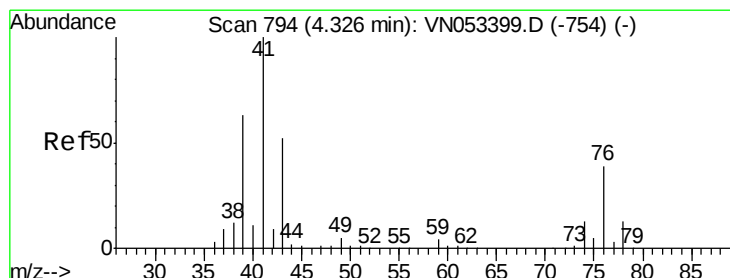
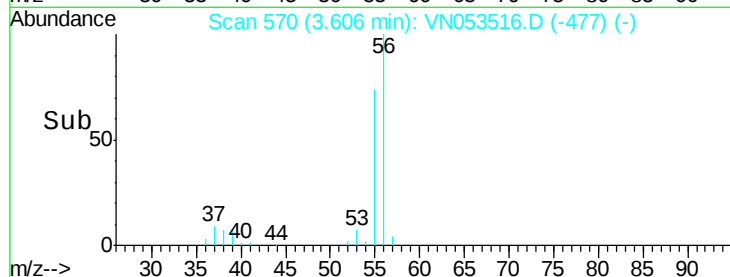
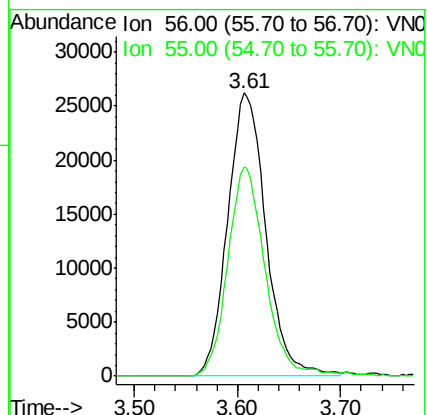
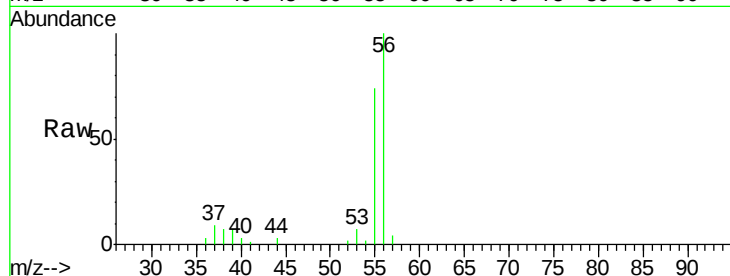
VN0122WBSD01

Tot Ion: 56 Resp: 67576

Ion Ratio Lower Upper

56 100

55 70.8 57.4 86.0



#14

Allyl chloride

Concen: 21.277 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN053516.D

Acq: 22 Jan 2019 13:50

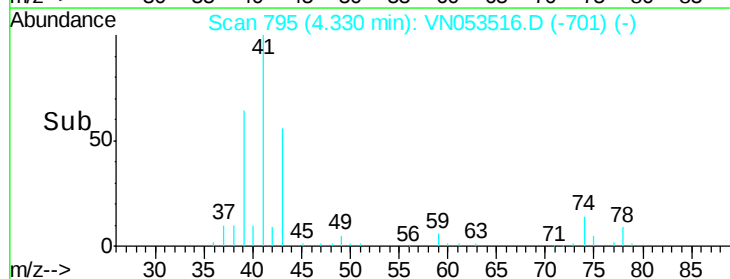
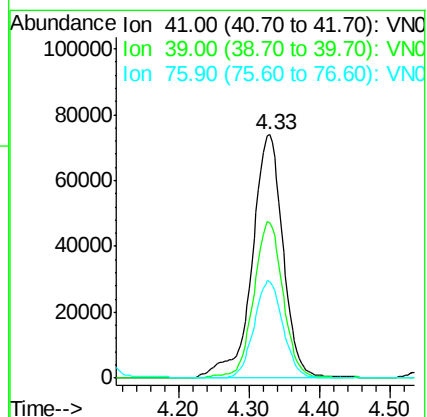
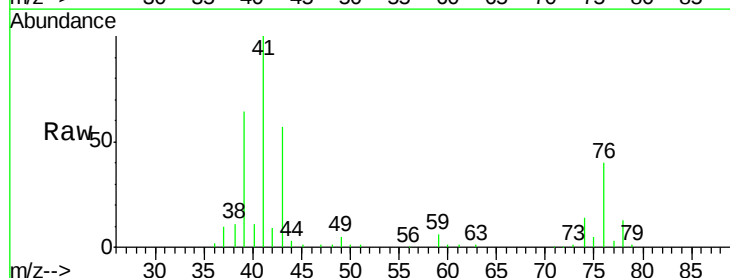
Tgt Ion: 41 Resp: 226342

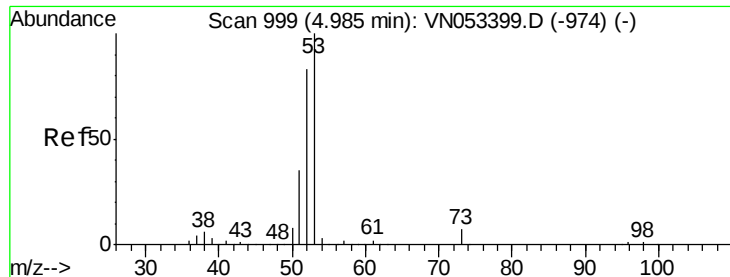
Ion Ratio Lower Upper

41 100

39 61.1 48.9 73.3

76 36.6 29.4 44.2





#15

Acrylonitrile

Concen: 108.324 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN053516.D

Acq: 22 Jan 2019 13:50

Instrument :

MSVOA_N

ClientSampleId :

VN0122WBSD01

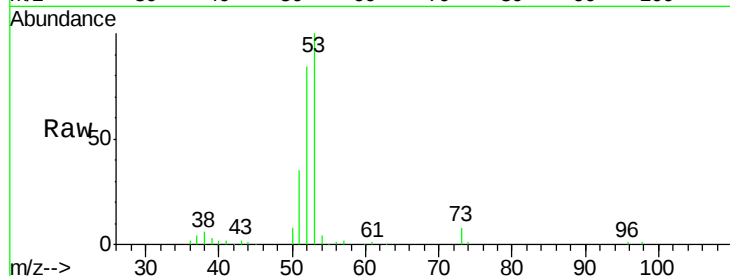
Tot Ion: 53 Resp: 253629

Ion Ratio Lower Upper

53 100

52 83.0 66.0 99.0

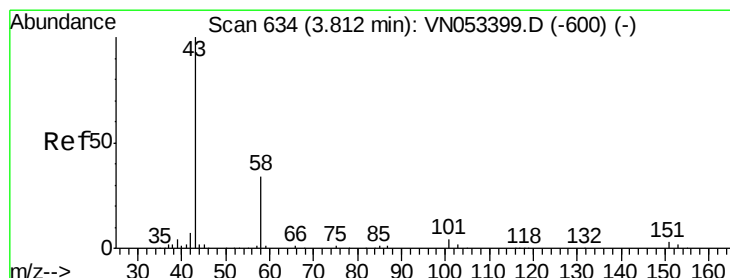
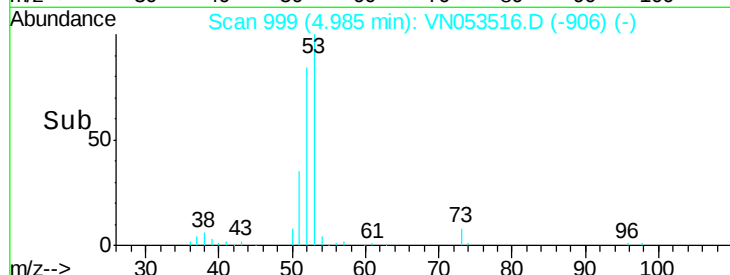
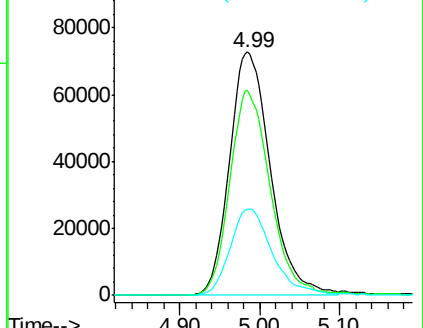
51 36.6 28.3 42.5



Abundance Ion 53.00 (52.70 to 53.70): VN053399.D (-974) (-)

Ion 52.00 (51.70 to 52.70): VN053399.D (-974) (-)

Ion 51.00 (50.70 to 51.70): VN053399.D (-974) (-)



#16

Acetone

Concen: 105.210 ug/l

RT: 3.82 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN053516.D

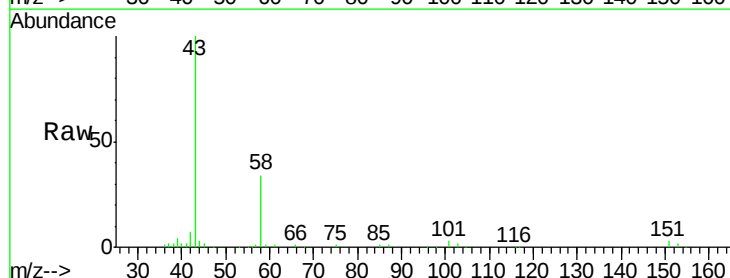
Acq: 22 Jan 2019 13:50

Tgt Ion: 43 Resp: 179473

Ion Ratio Lower Upper

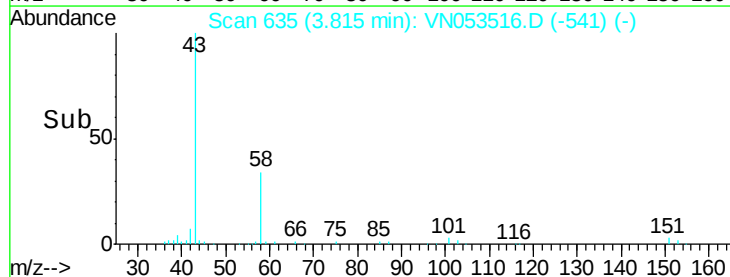
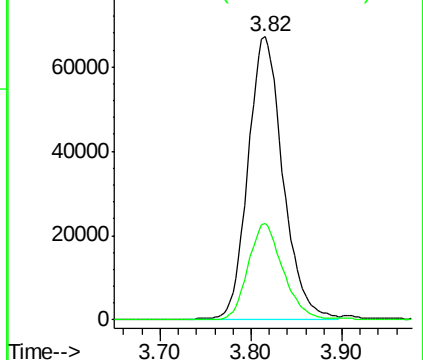
43 100

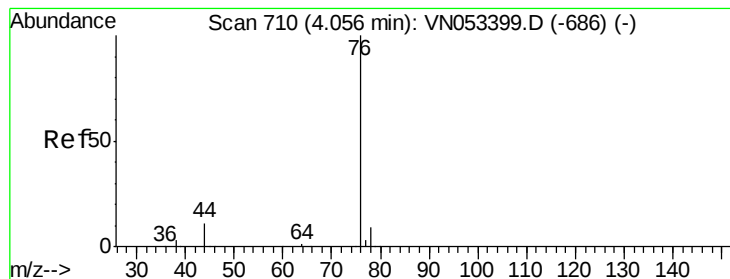
58 34.2 27.1 40.7



Abundance Ion 43.00 (42.70 to 43.70): VN053399.D (-600) (-)

Ion 58.00 (57.70 to 58.70): VN053399.D (-600) (-)





#17

Carbon Disulfide

Concen: 19.109 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN053516.D

Acq: 22 Jan 2019 13:50

Instrument :

MSVOA_N

ClientSampleId :

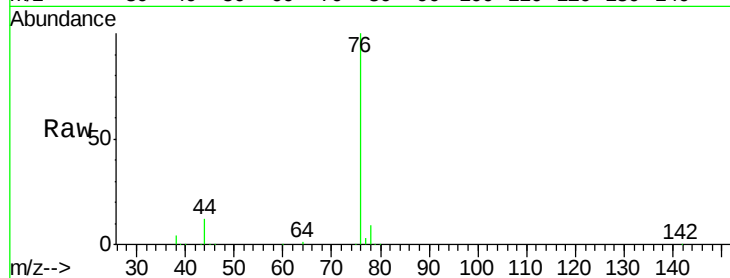
VN0122WBSD01

Tot Ion: 76 Resp: 378459

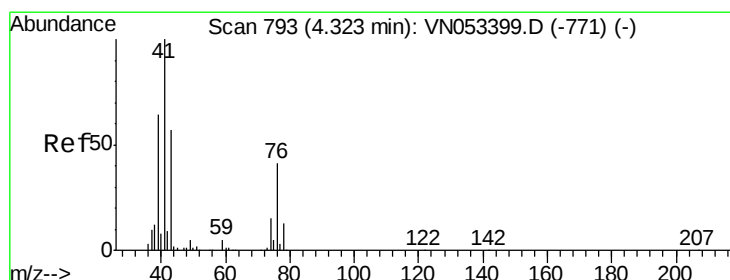
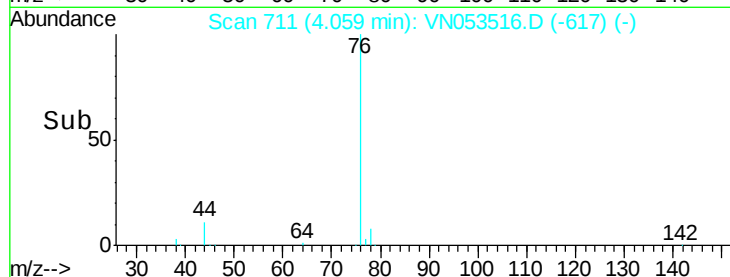
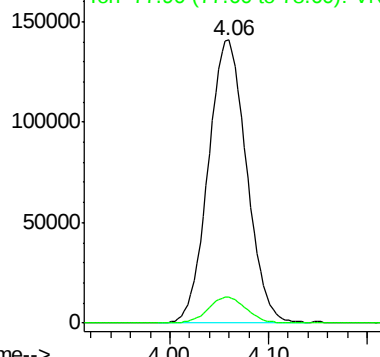
Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VNO
Ion 77.90 (77.60 to 78.60): VNO



#18

Methyl Acetate

Concen: 21.955 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN053516.D

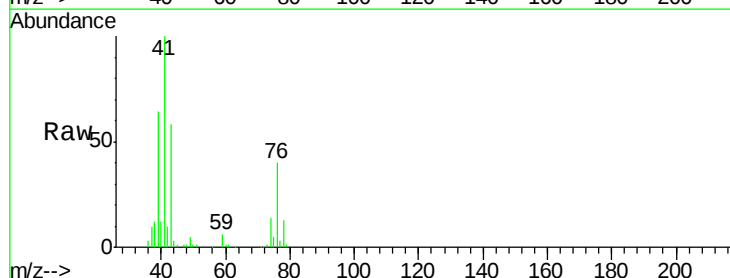
Acq: 22 Jan 2019 13:50

Tgt Ion: 43 Resp: 126182

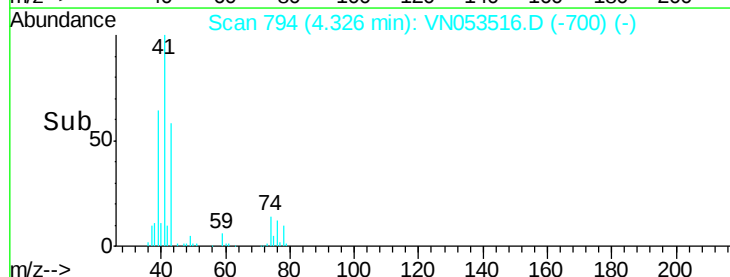
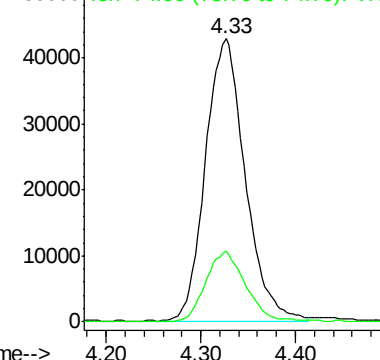
Ion Ratio Lower Upper

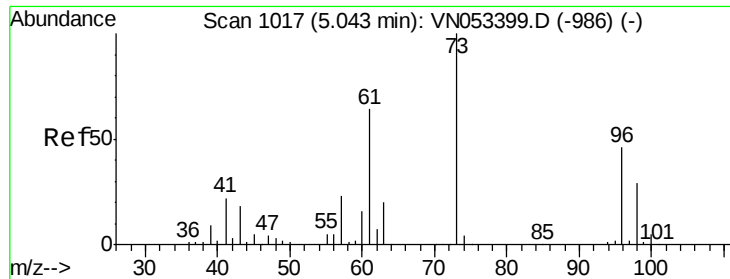
43 100

74 24.4 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 74.00 (73.70 to 74.70): VNO

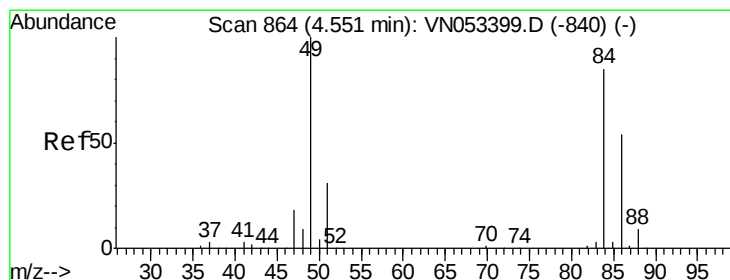
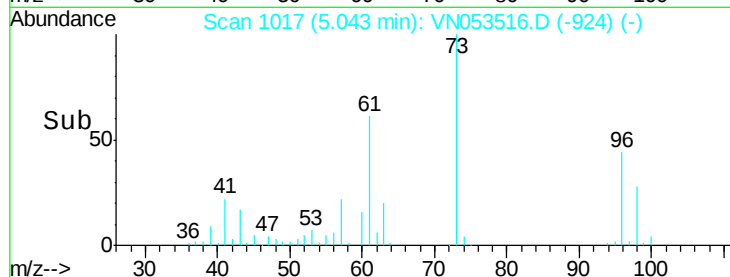
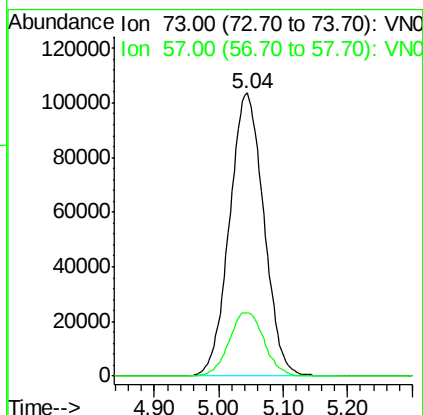
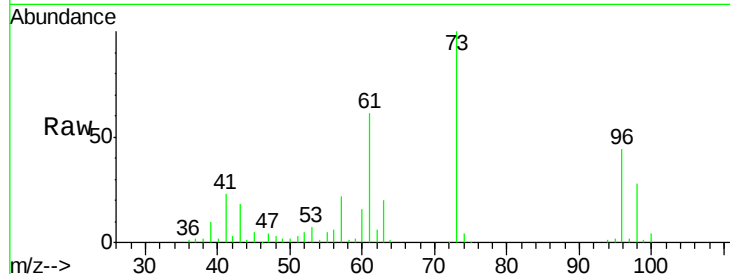




#19
Methvl tert-butvl Ether
Concen: 21.998 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VN053516.D
Acq: 22 Jan 2019 13:50

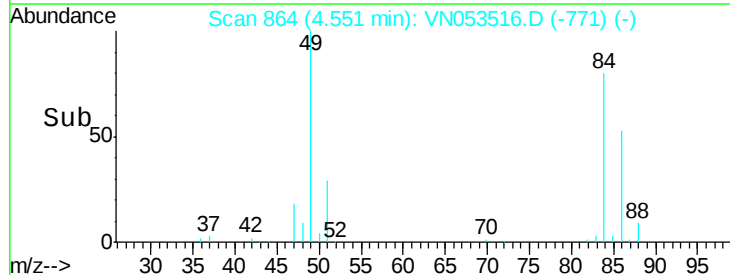
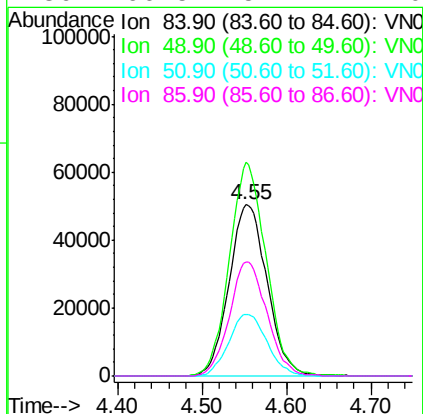
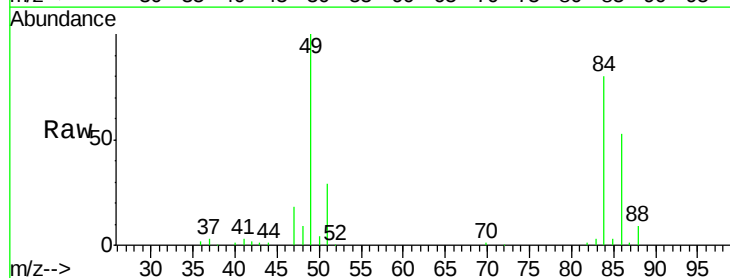
Instrument :
MSVOA_N
ClientSampleId :
VN0122WBSD01

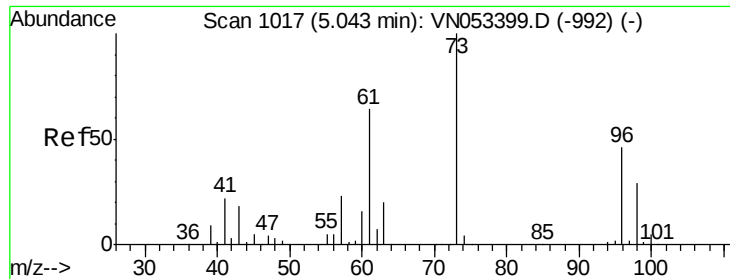
Tot Ion: 73 Resp: 382809
Ion Ratio Lower Upper
73 100
57 22.1 18.3 27.5



#20
Methylene Chloride
Concen: 20.329 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN053516.D
Acq: 22 Jan 2019 13:50

Tgt Ion: 84 Resp: 158326
Ion Ratio Lower Upper
84 100
49 124.8 94.3 141.5
51 36.2 29.4 44.2
86 66.5 51.4 77.0

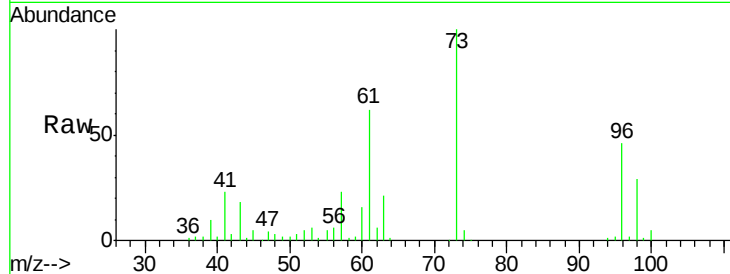




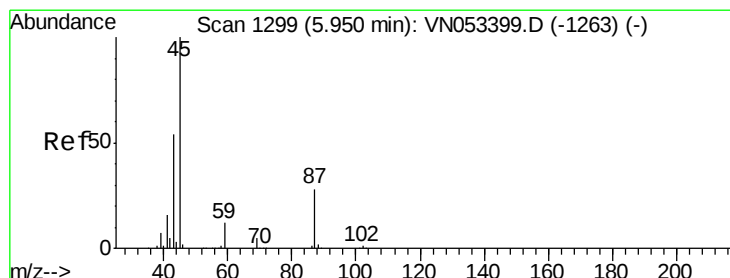
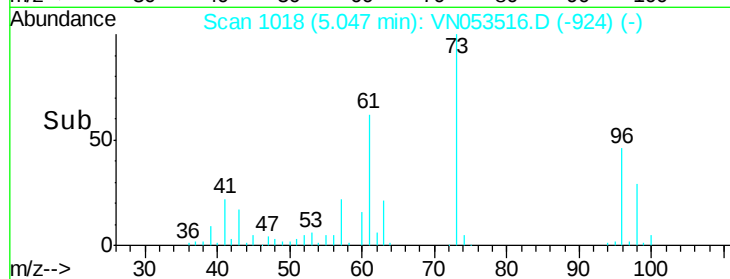
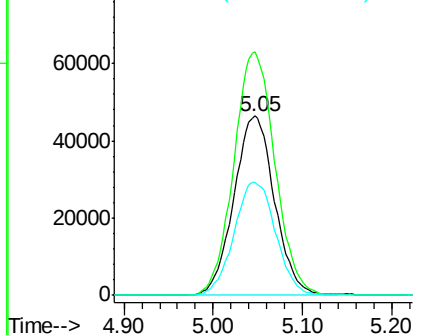
#21
trans-1,2-Dichloroethene
Concen: 21.026 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN053516.D
Acq: 22 Jan 2019 13:50

Instrument :
MSVOA_N
ClientSampleId :
VN0122WBSD01

Tot Ion: 96 Resp: 147219
Ion Ratio Lower Upper
96 100
61 135.7 110.1 165.1
98 63.0 50.0 75.0



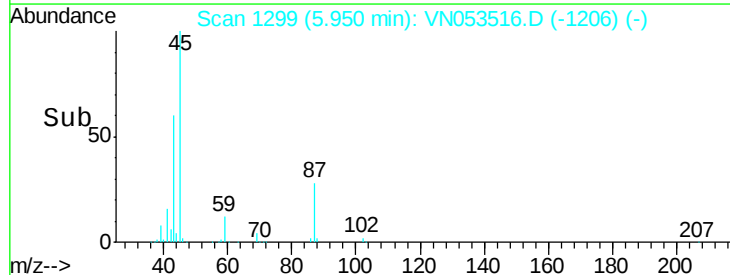
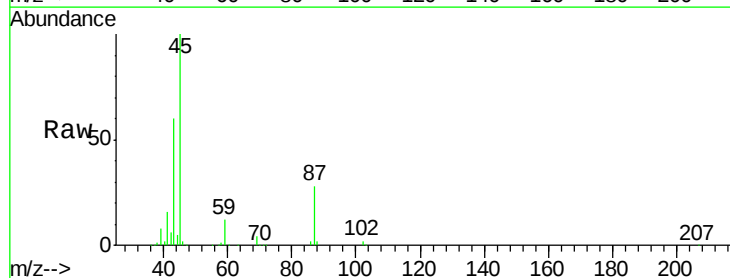
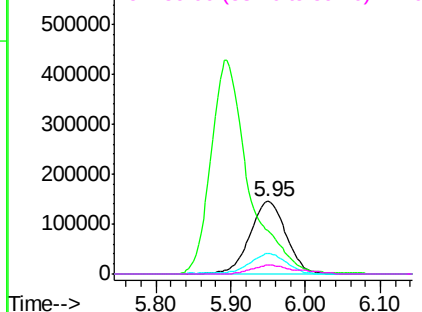
Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

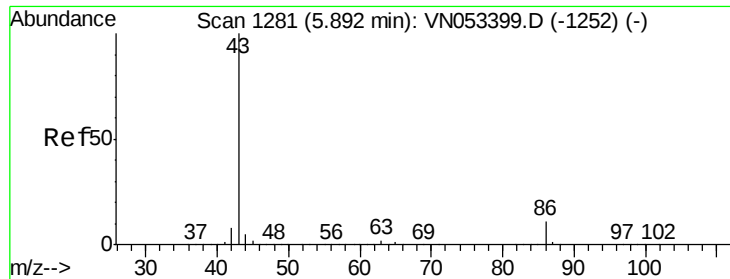


#22
Diisopropyl ether
Concen: 22.107 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. 0.00 min
Lab File: VN053516.D
Acq: 22 Jan 2019 13:50

Tgt Ion: 45 Resp: 490959
Ion Ratio Lower Upper
45 100
43 58.5 44.2 66.4
87 28.5 22.7 34.1
59 11.8 9.4 14.2

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

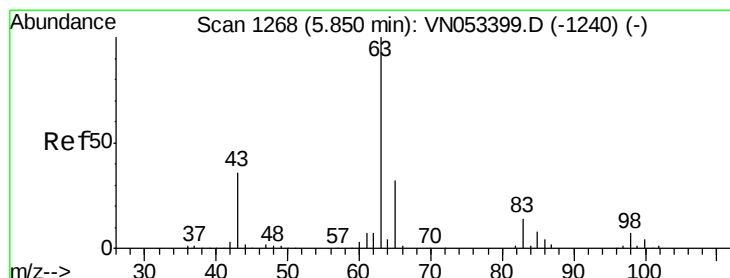
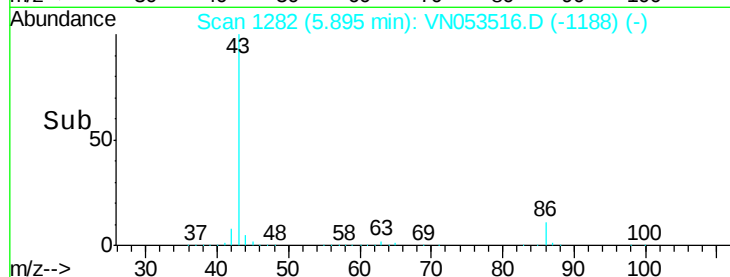
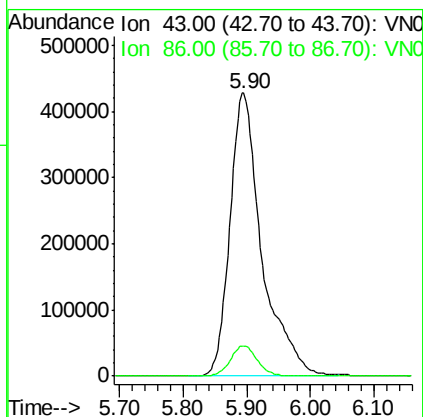
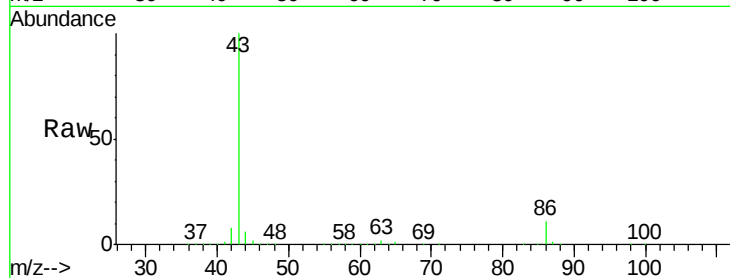




#23
 Vinyl Acetate
 Concen: 109.305 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN053516.D
 Acq: 22 Jan 2019 13:50

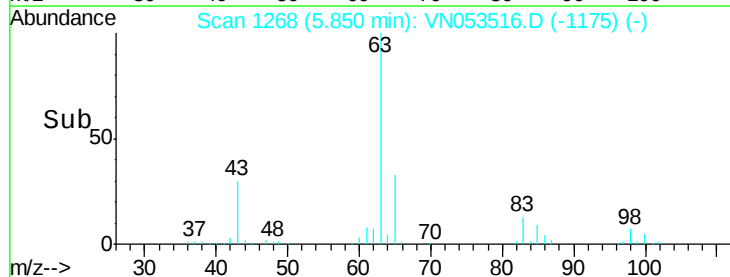
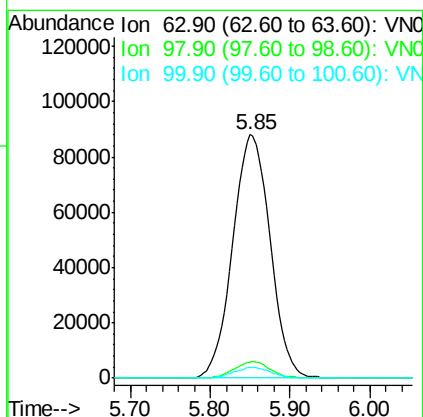
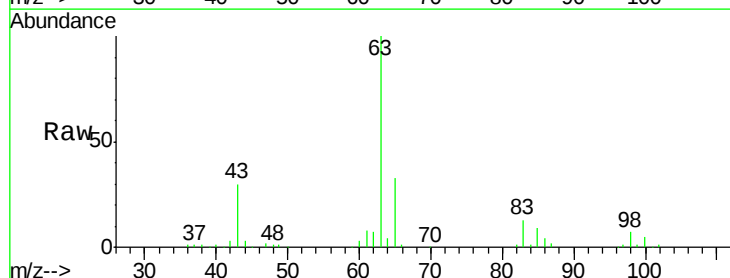
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0122WBSD01

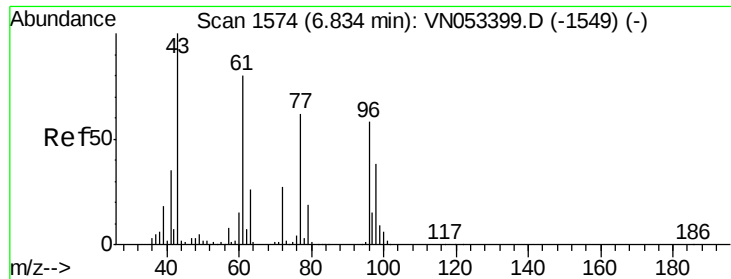
Tot Ion: 43 Resp: 1492189
 Ion Ratio Lower Upper
 43 100
 86 10.7 8.4 12.6



#24
 1,1-Dichloroethane
 Concen: 21.283 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VN053516.D
 Acq: 22 Jan 2019 13:50

Tgt Ion: 63 Resp: 279417
 Ion Ratio Lower Upper
 63 100
 98 6.7 3.3 9.9
 100 4.6 2.1 6.5

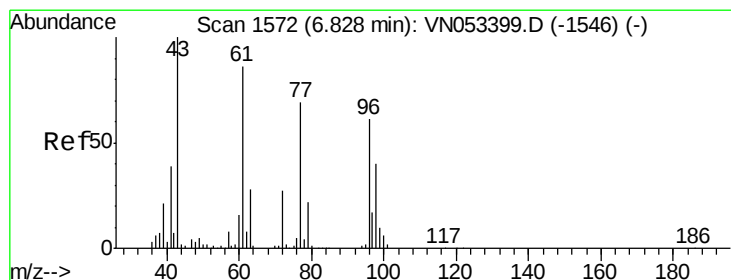
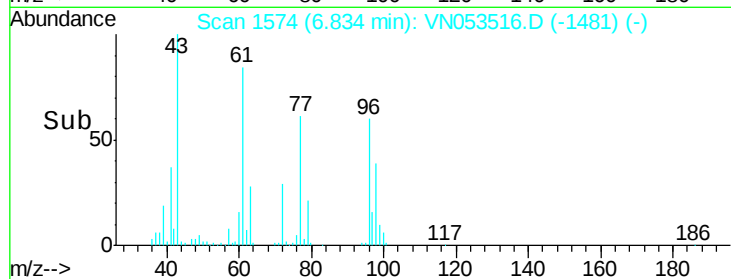
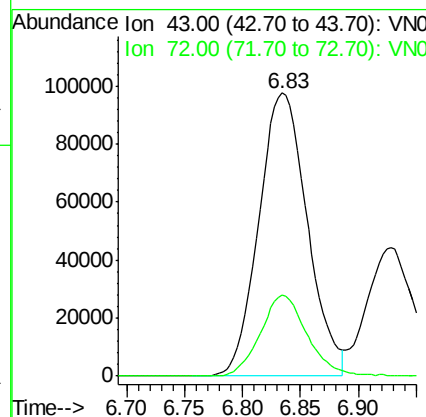
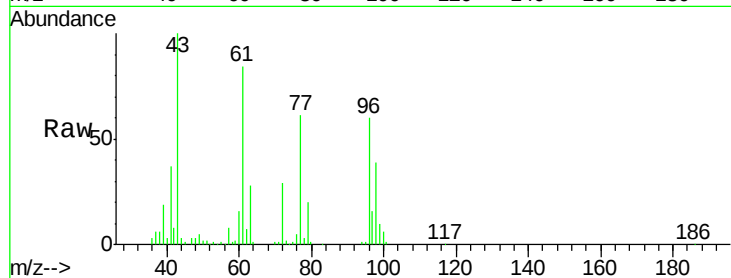




#25
 2-Butanone
 Concen: 108.105 ug/l
 RT: 6.83 min Scan# 1574
 Delta R.T. 0.00 min
 Lab File: VN053516.D
 Acq: 22 Jan 2019 13:50

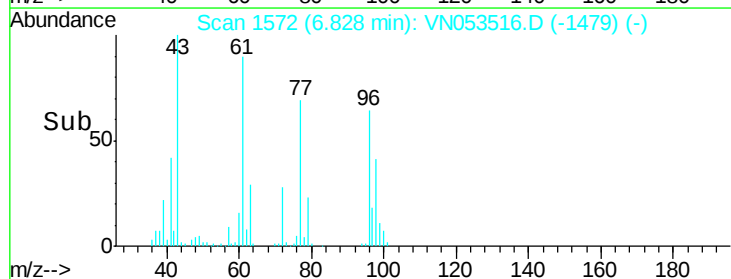
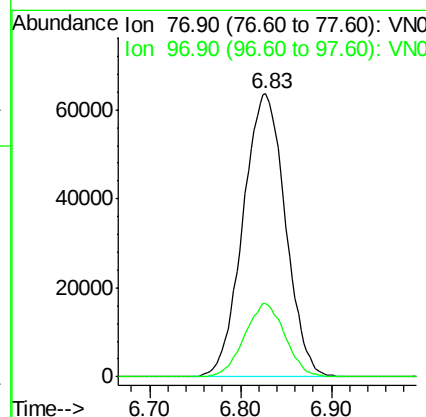
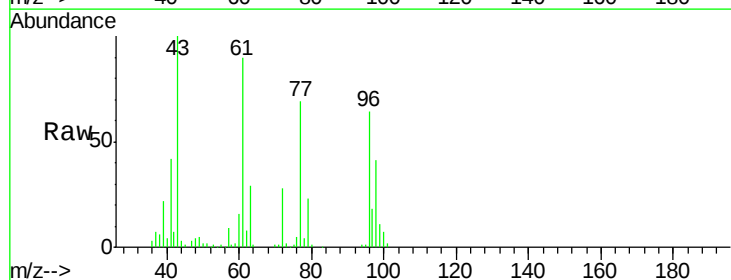
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0122WBSD01

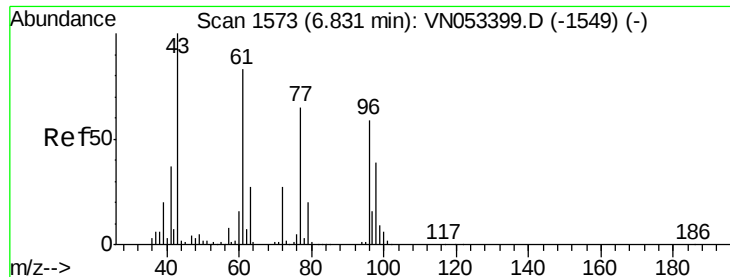
Tot Ion: 43 Resp: 284180
 Ion Ratio Lower Upper
 43 100
 72 28.5 22.0 33.0



#26
 2,2-Dichloropropane
 Concen: 20.749 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VN053516.D
 Acq: 22 Jan 2019 13:50

Tgt Ion: 77 Resp: 205668
 Ion Ratio Lower Upper
 77 100
 97 25.0 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 21.432 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN053516.D

Acq: 22 Jan 2019 13:50

Instrument :

MSVOA_N

ClientSampleId :

VN0122WBSD01

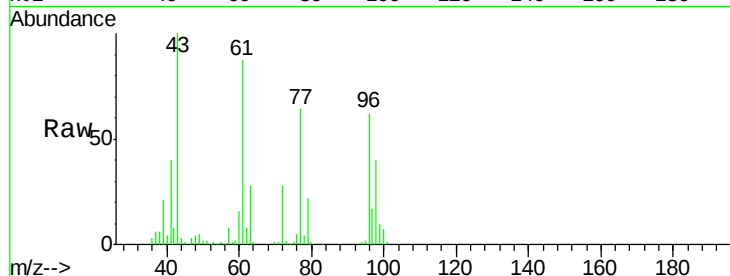
Tot Ion: 96 Resp: 171600

Ion Ratio Lower Upper

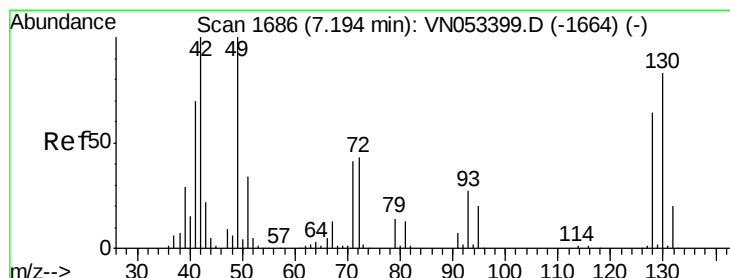
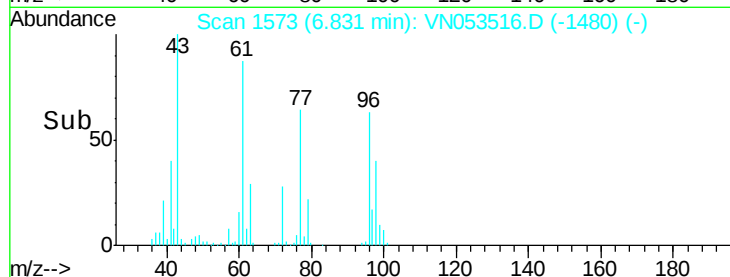
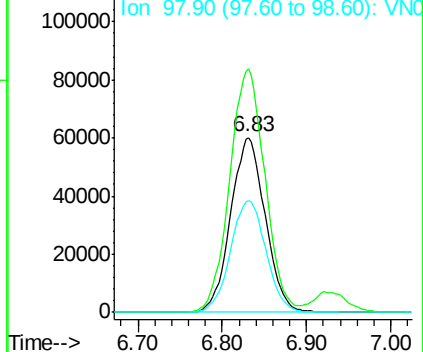
96 100

61 141.5 0.0 283.8

98 65.6 0.0 129.2



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



#28

Bromochloromethane

Concen: 20.011 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN053516.D

Acq: 22 Jan 2019 13:50

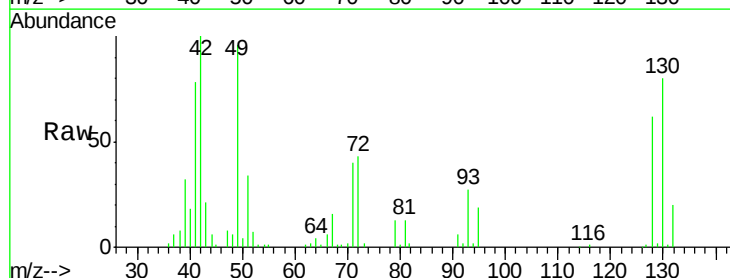
Tgt Ion: 49 Resp: 115739

Ion Ratio Lower Upper

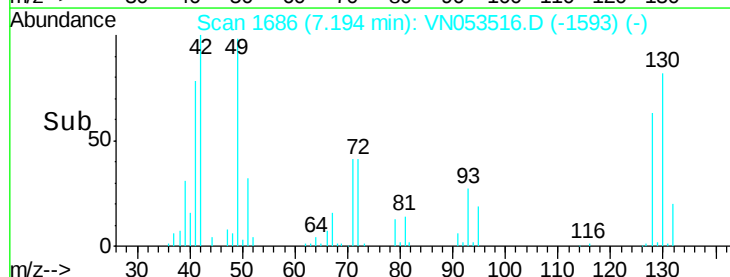
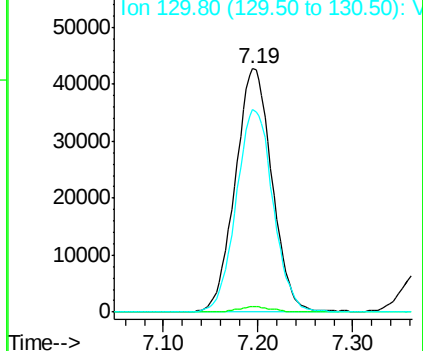
49 100

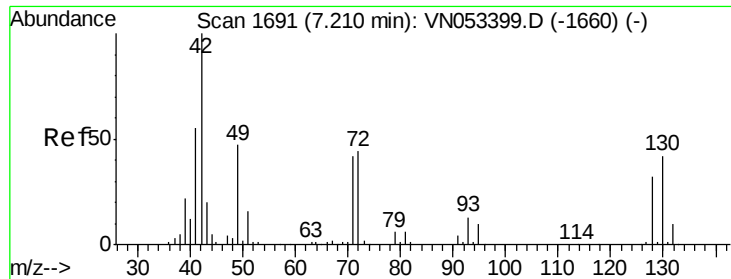
129 2.0 0.0 4.0

130 83.1 66.3 99.5



Abundance Ion 48.90 (48.60 to 49.60): VN0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

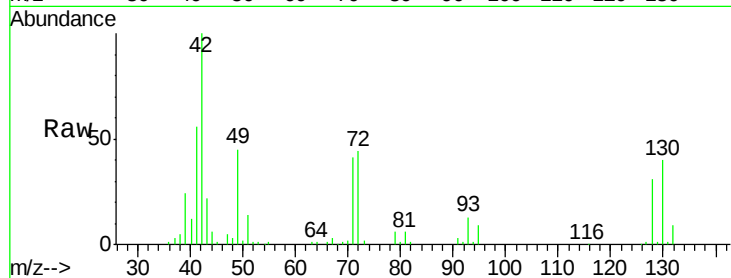




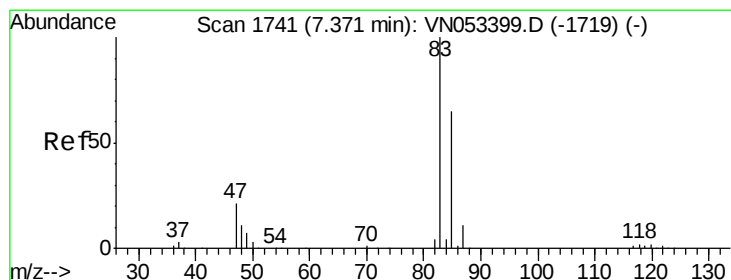
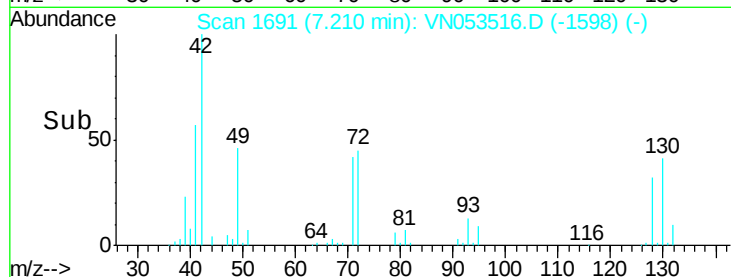
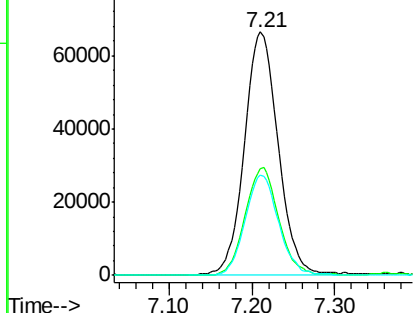
#29
Tetrahydrofuran
Concen: 110.344 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN053516.D
Acq: 22 Jan 2019 13:50

Instrument :
MSVOA_N
ClientSampleId :
VN0122WBSD01

Tot Ion: 42 Resp: 188835
Ion Ratio Lower Upper
42 100
72 43.7 35.2 52.8
71 40.8 33.0 49.4

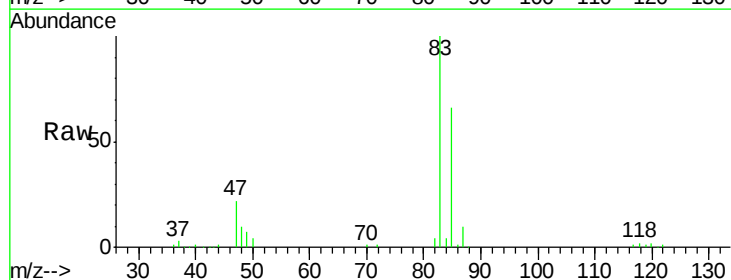


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

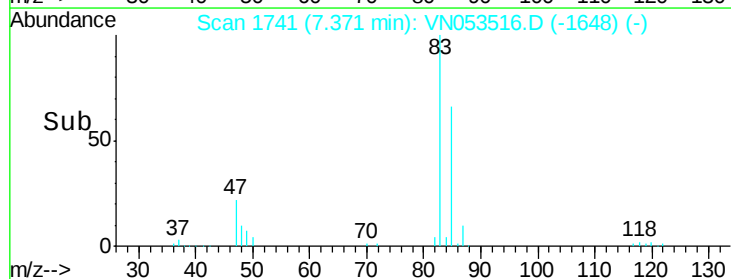
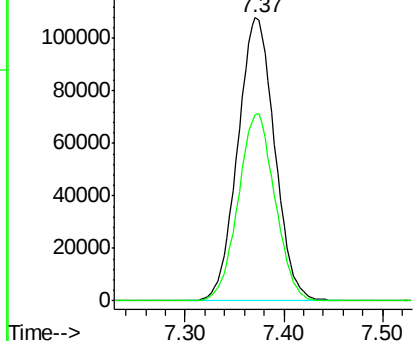


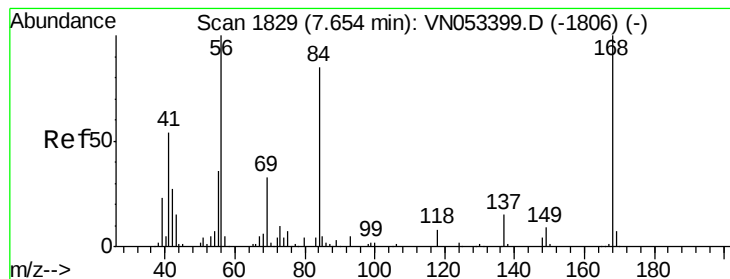
#30
Chloroform
Concen: 21.820 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN053516.D
Acq: 22 Jan 2019 13:50

Tgt Ion: 83 Resp: 279104
Ion Ratio Lower Upper
83 100
85 65.6 52.2 78.2



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 20.204 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN053516.D

Acq: 22 Jan 2019 13:50

Instrument :

MSVOA_N

ClientSampleId :

VN0122WBSD01

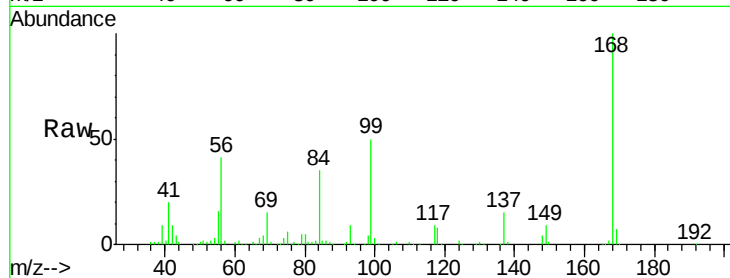
Tot Ion: 56 Resp: 259834

Ion Ratio Lower Upper

56 100

69 36.4 26.4 39.6

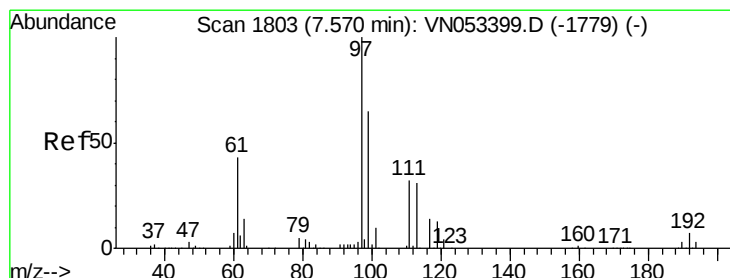
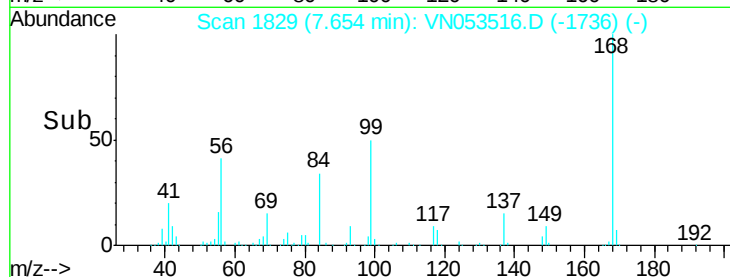
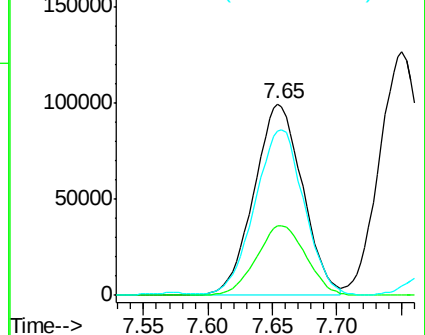
84 85.5 67.9 101.9



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 21.235 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN053516.D

Acq: 22 Jan 2019 13:50

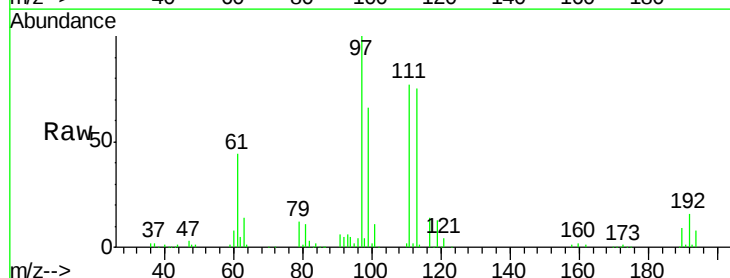
Tgt Ion: 97 Resp: 230419

Ion Ratio Lower Upper

97 100

99 65.2 52.0 78.0

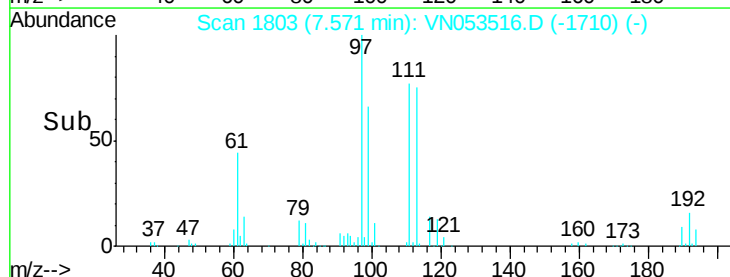
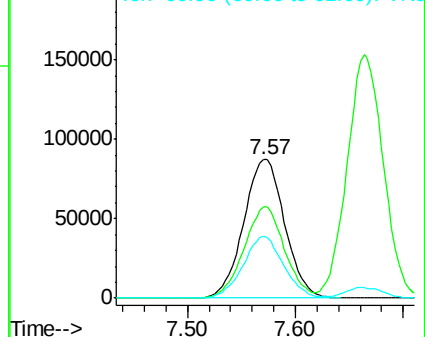
61 43.7 34.4 51.6

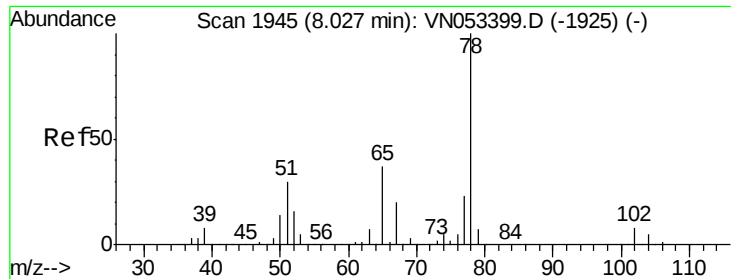


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0





#33

1,2-Dichloroethane-d4

Concen: 21.235 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN053516.D

Acq: 22 Jan 2019 13:50

Instrument :

MSVOA_N

ClientSampleId :

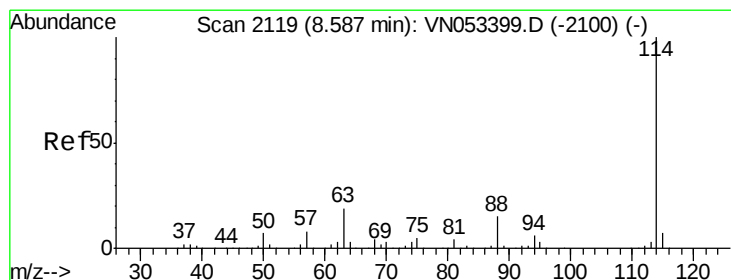
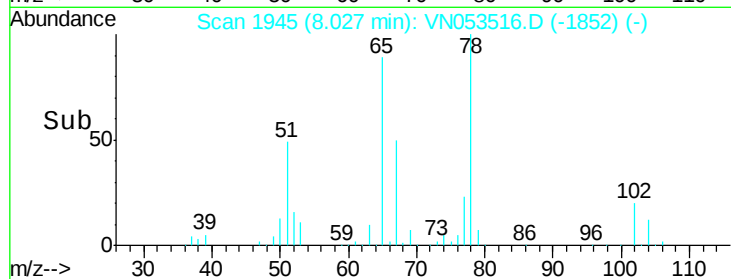
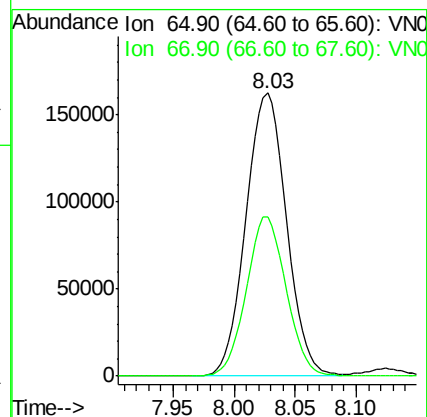
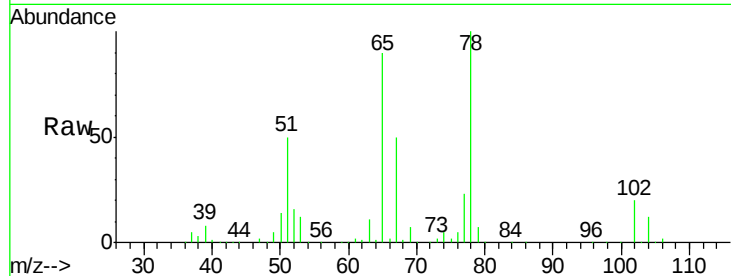
VN0122WBSD01

Tot Ion: 65 Resp: 374246

Ion Ratio Lower Upper

65 100

67 55.2 0.0 111.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN053516.D

Acq: 22 Jan 2019 13:50

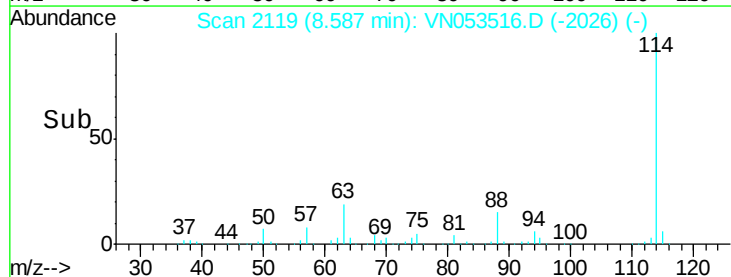
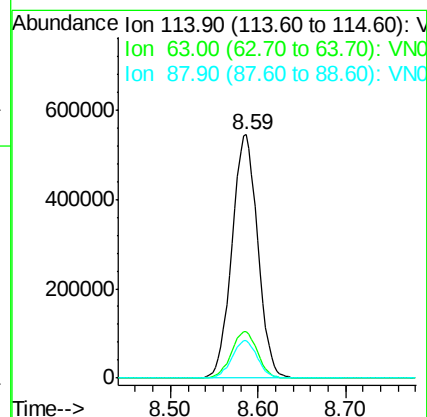
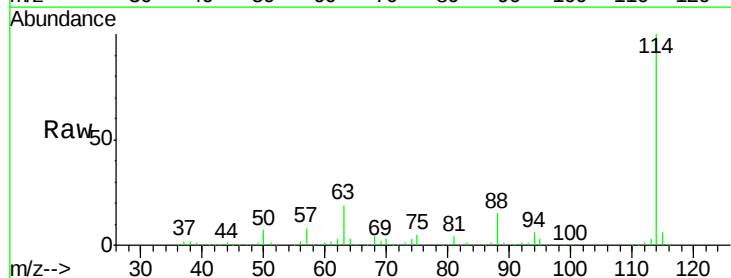
Tgt Ion: 114 Resp: 1114288

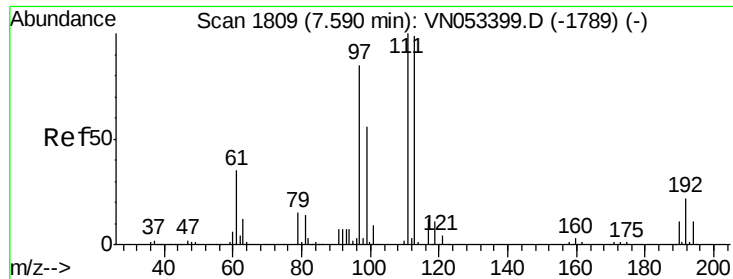
Ion Ratio Lower Upper

114 100

63 19.1 0.0 38.6

88 15.3 0.0 30.4

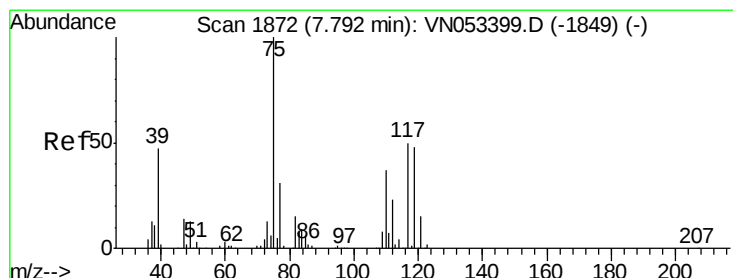
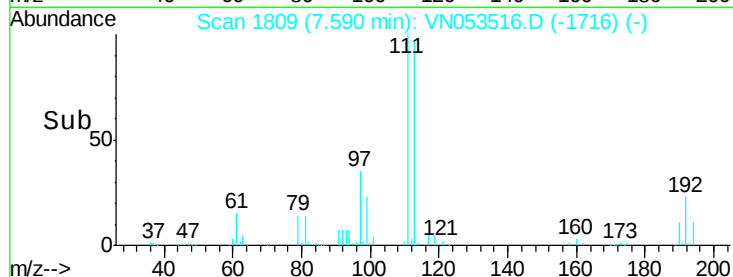
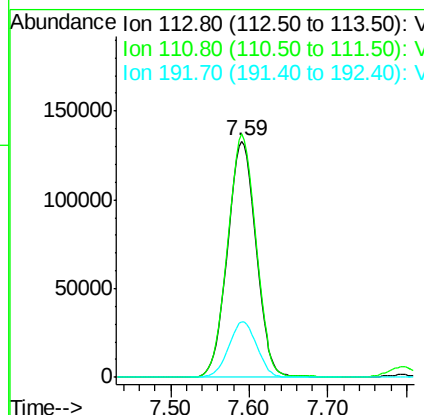
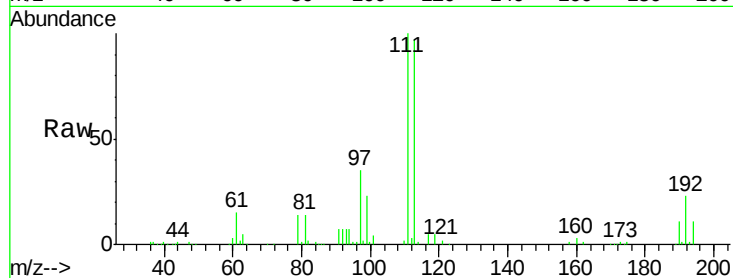




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN053516.D
 Acq: 22 Jan 2019 13:50

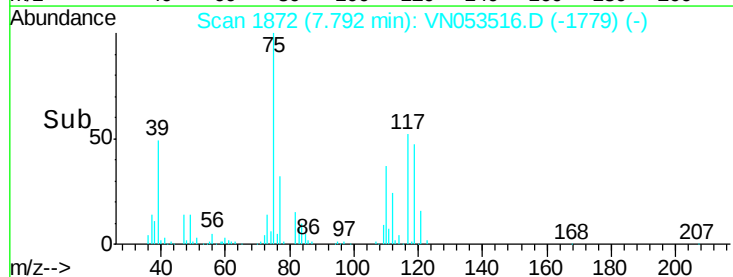
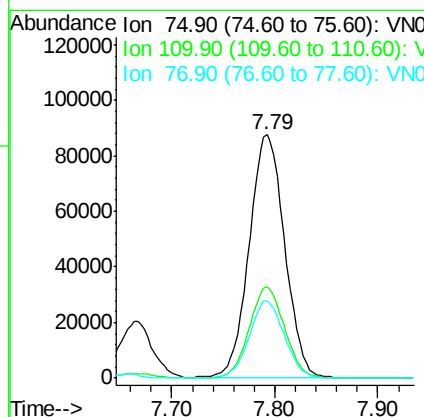
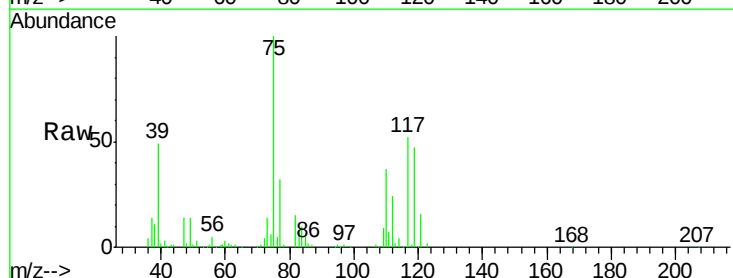
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0122WBSD01

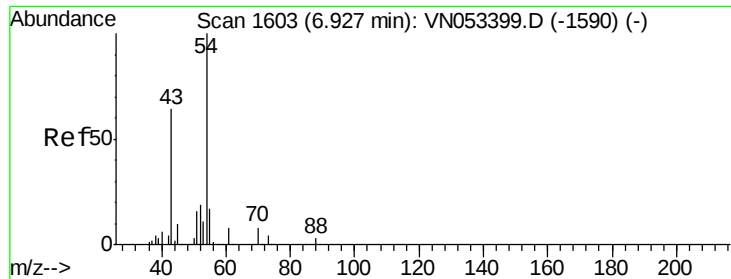
Tot Ion:113 Resp: 335226
 Ion Ratio Lower Upper
 113 100
 111 101.6 81.1 121.7
 192 23.2 18.2 27.2



#36
 1,1-Dichloropropene
 Concen: 20.573 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN053516.D
 Acq: 22 Jan 2019 13:50

Tgt Ion: 75 Resp: 208779
 Ion Ratio Lower Upper
 75 100
 110 37.2 18.1 54.3
 77 31.7 25.1 37.7

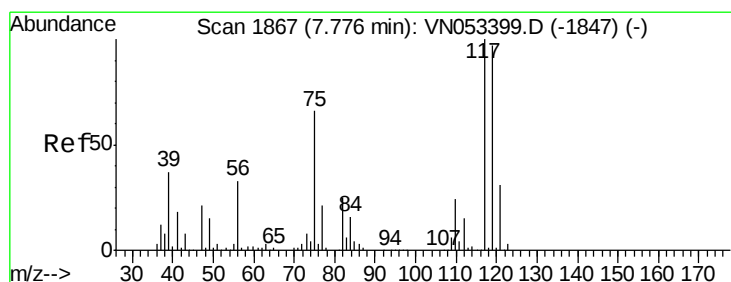
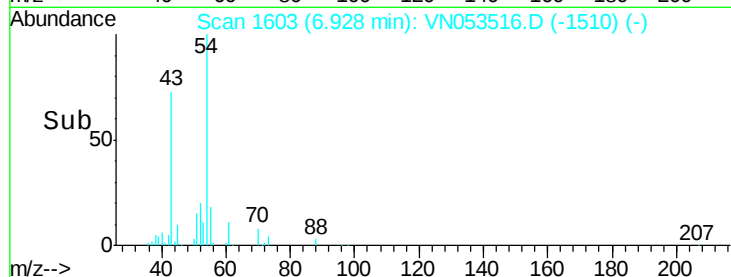
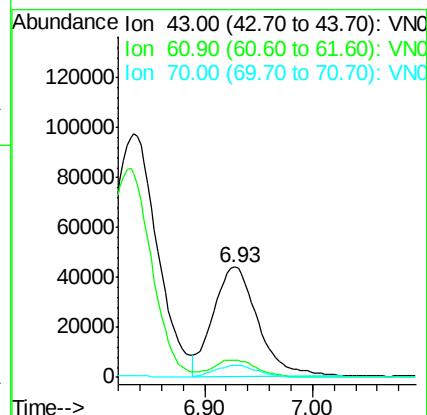
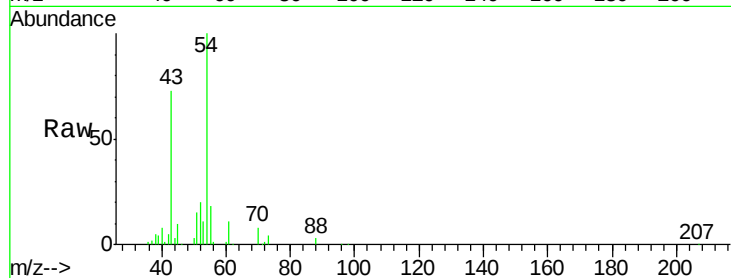




#37
Ethyl Acetate
Concen: 21.546 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VN053516.D
Acq: 22 Jan 2019 13:50

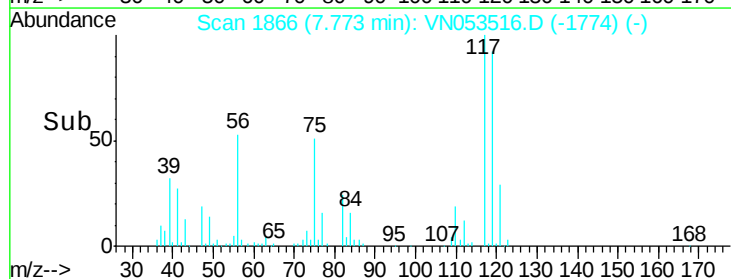
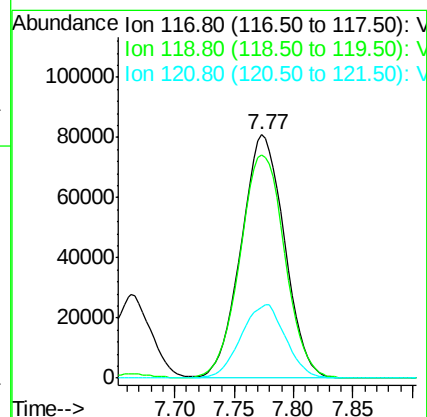
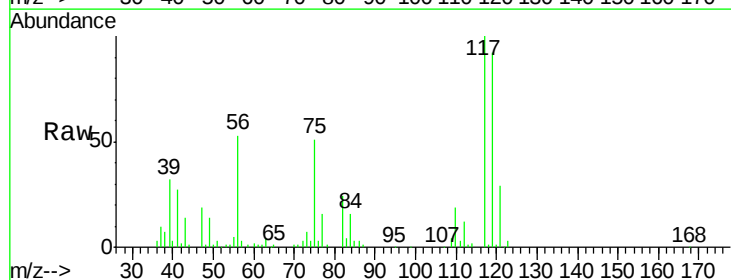
Instrument :
MSVOA_N
ClientSampleId :
VN0122WBSD01

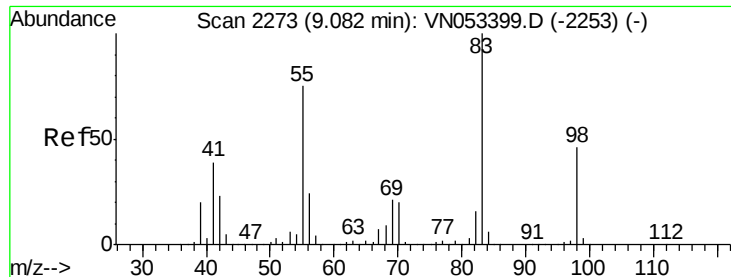
Tot Ion: 43 Resp: 125793
Ion Ratio Lower Upper
43 100
61 16.2 11.8 17.6
70 10.6 8.6 12.8



#38
Carbon Tetrachloride
Concen: 21.278 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN053516.D
Acq: 22 Jan 2019 13:50

Tgt Ion: 117 Resp: 204429
Ion Ratio Lower Upper
117 100
119 91.5 77.2 115.8
121 29.3 24.6 37.0

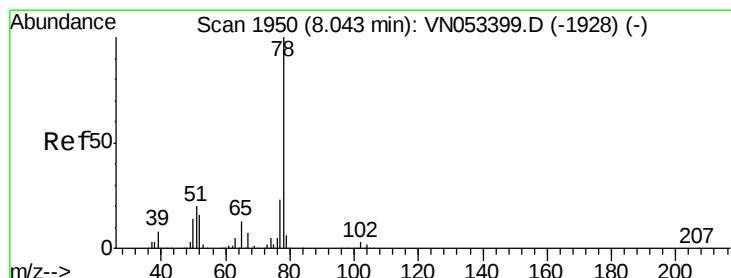
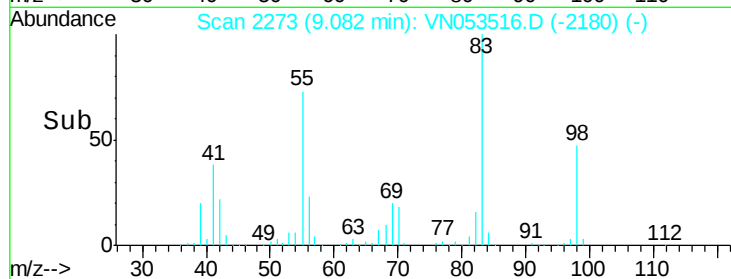
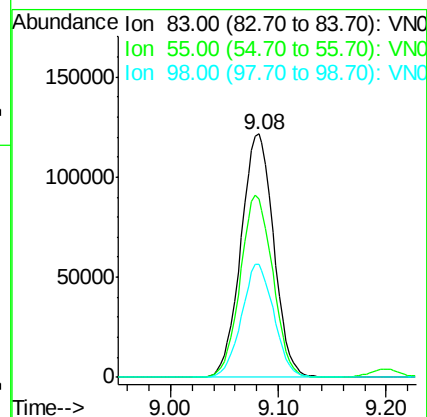
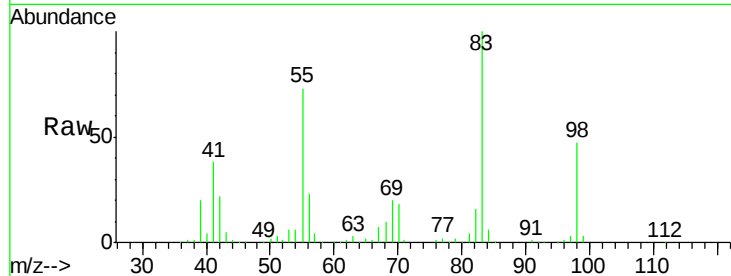




#39
Methvlcvclohexane
Concen: 20.478 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN053516.D
Acq: 22 Jan 2019 13:50

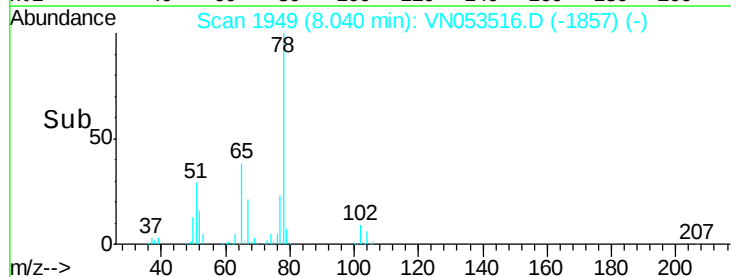
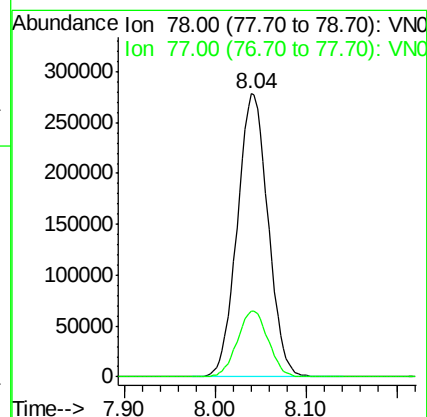
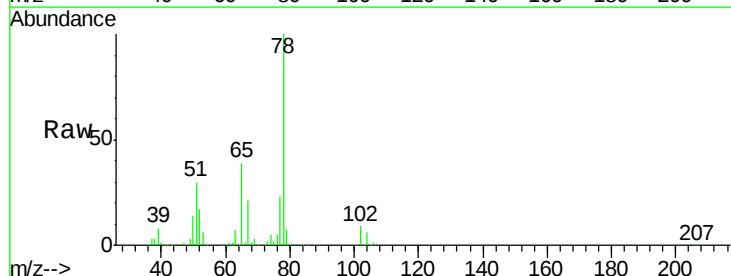
Instrument :
MSVOA_N
ClientSampleId :
VN0122WBSD01

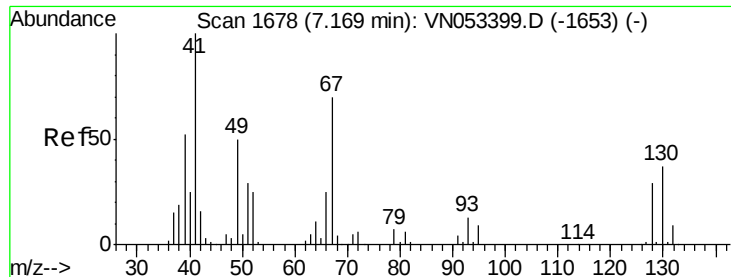
Tot Ion: 83 Resp: 256848
Ion Ratio Lower Upper
83 100
55 73.1 60.1 90.1
98 46.7 36.6 55.0



#40
Benzene
Concen: 21.209 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN053516.D
Acq: 22 Jan 2019 13:50

Tgt Ion: 78 Resp: 654055
Ion Ratio Lower Upper
78 100
77 23.3 18.8 28.2

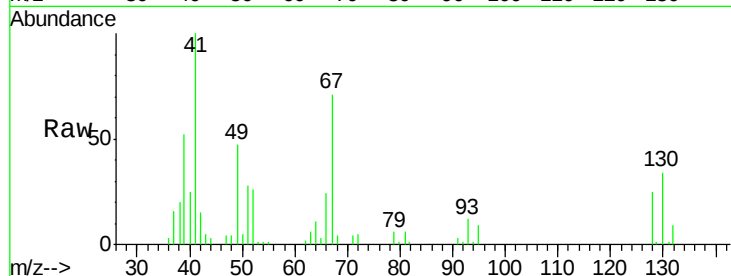




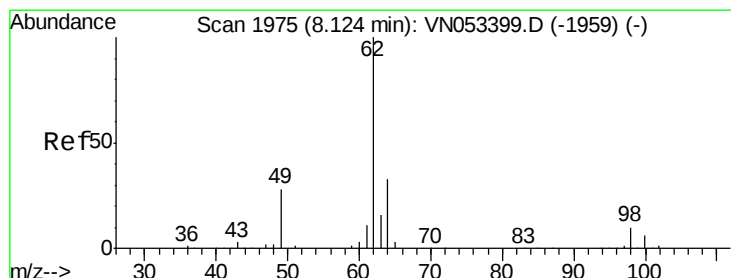
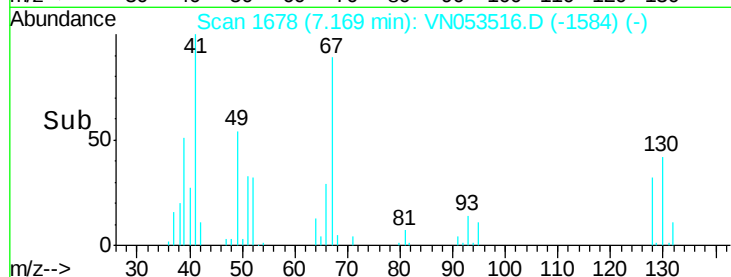
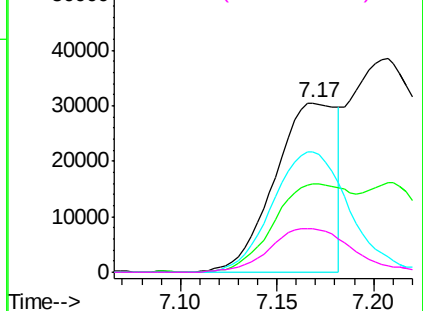
#41
Methacrylonitrile
Concen: 20.052 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. 0.00 min
Lab File: VN053516.D
Acq: 22 Jan 2019 13:50

Instrument :
MSVOA_N
ClientSampleId :
VN0122WBSD01

Tot Ion:	41	Resp:	68158
Ion	Ratio	Lower	Upper
41	100		
39	64.6	46.8	70.2
67	88.2	63.0	94.6
52	34.8	23.8	35.8

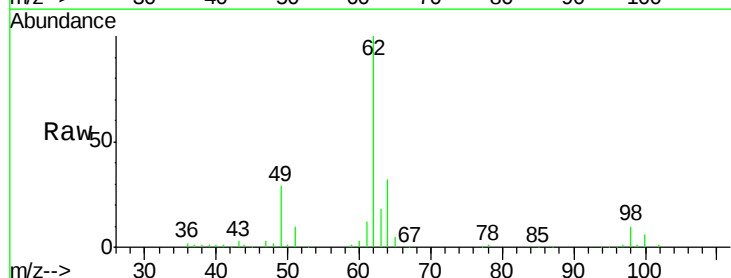


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

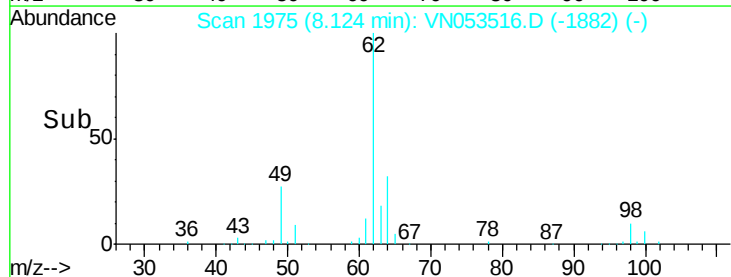
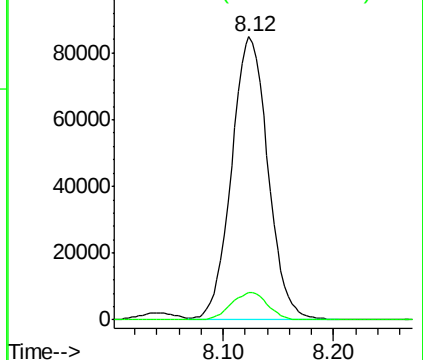


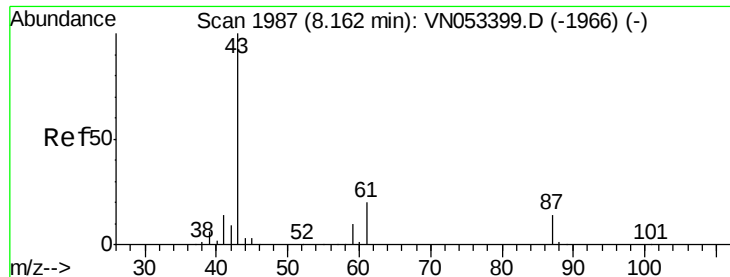
#42
1,2-Dichloroethane
Concen: 21.500 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN053516.D
Acq: 22 Jan 2019 13:50

Tgt Ion:	62	Resp:	193157
Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	19.6



Abundance Ion 61.90 (61.60 to 62.60): VNO
Ion 97.90 (97.60 to 98.60): VNO





#43

Isopropyl Acetate

Concen: 21.863 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN053516.D

Acq: 22 Jan 2019 13:50

Instrument :

MSVOA_N

ClientSampleID :

VN0122WBSD01

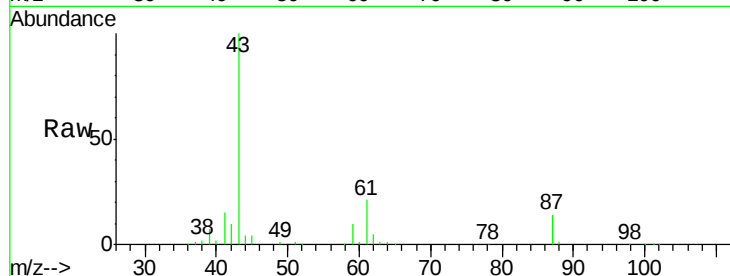
Tot Ion: 43 Resp: 229518

Ion Ratio Lower Upper

43 100

61 30.6 23.9 35.9

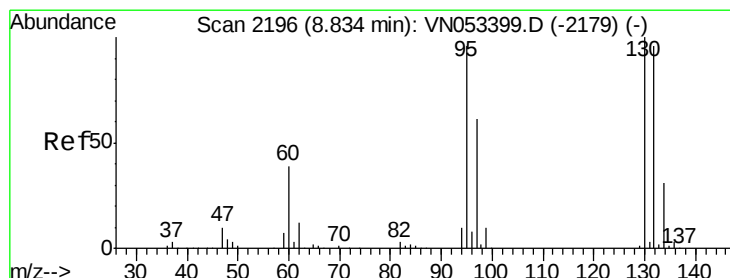
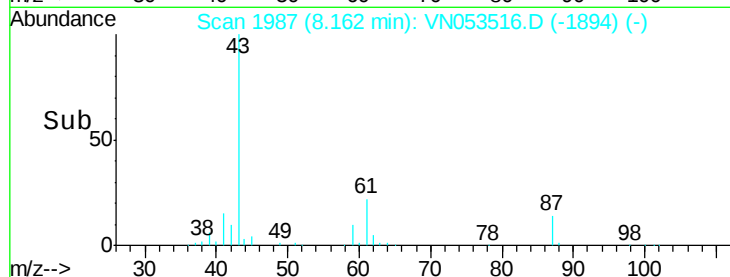
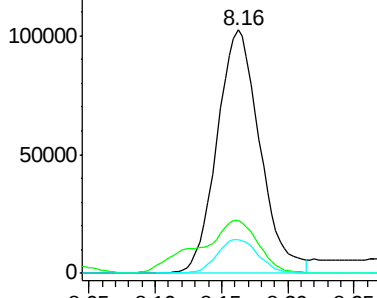
87 13.6 11.0 16.6



Abundance Ion 43.00 (42.70 to 43.70): VN053399.D (-1966) (-)

Ion 61.00 (60.70 to 61.70): VN053399.D (-1966) (-)

Ion 87.00 (86.70 to 87.70): VN053399.D (-1966) (-)



#44

Trichloroethene

Concen: 21.279 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN053516.D

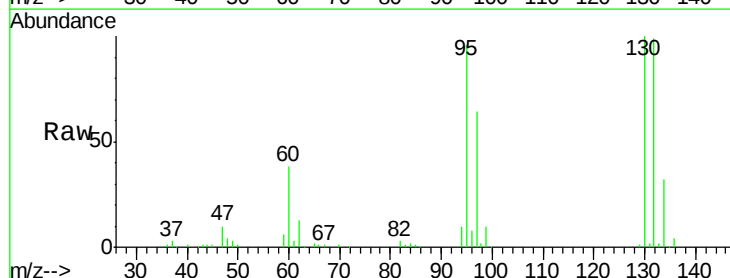
Acq: 22 Jan 2019 13:50

Tgt Ion: 130 Resp: 181973

Ion Ratio Lower Upper

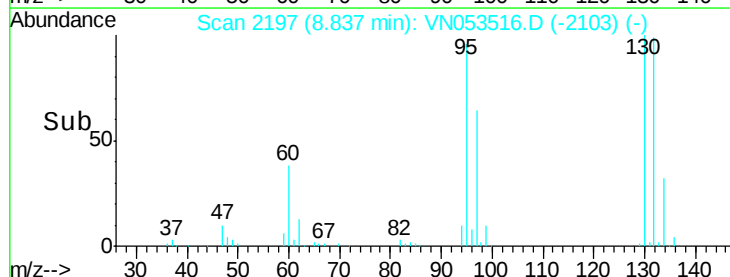
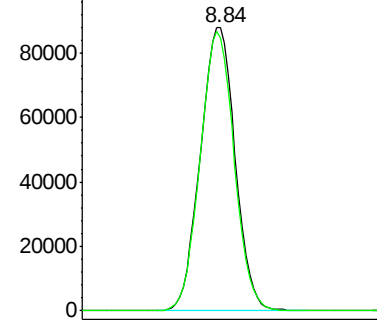
130 100

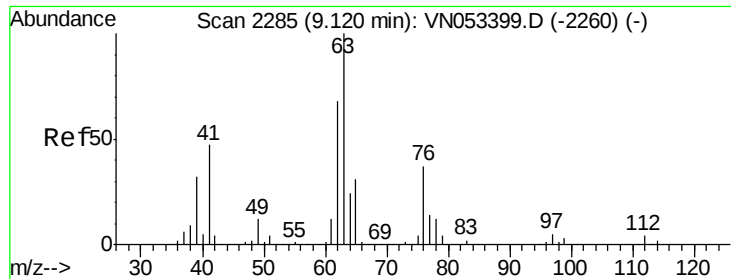
95 96.3 0.0 191.4



Abundance Ion 129.80 (129.50 to 130.50): VN053399.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN053399.D (-2179) (-)





#45

1,2-Dichloropropane

Concen: 21.707 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN053516.D

Acq: 22 Jan 2019 13:50

Instrument :

MSVOA_N

ClientSampleId :

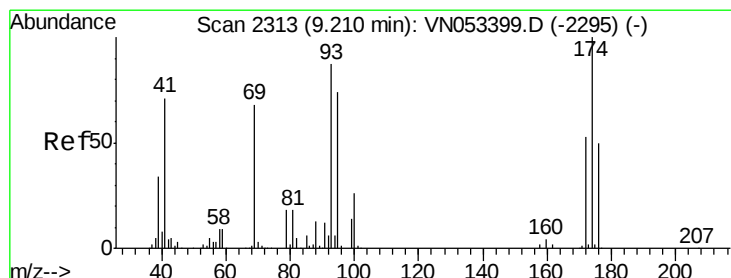
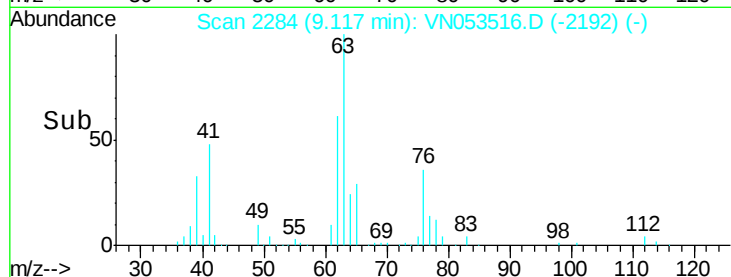
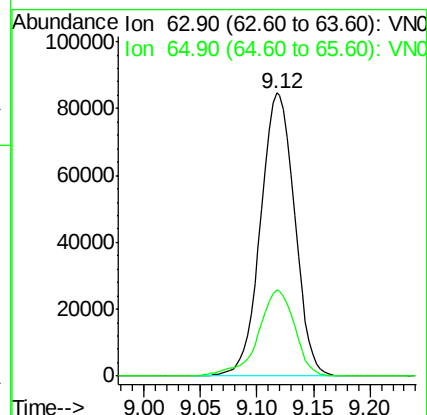
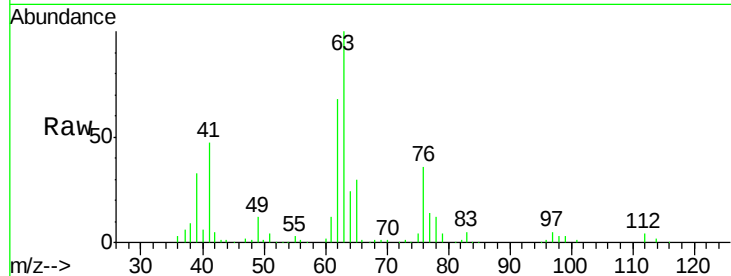
VN0122WBSD01

Tot Ion: 63 Resp: 177301

Ion Ratio Lower Upper

63 100

65 30.3 25.0 37.4



#46

Dibromomethane

Concen: 21.225 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN053516.D

Acq: 22 Jan 2019 13:50

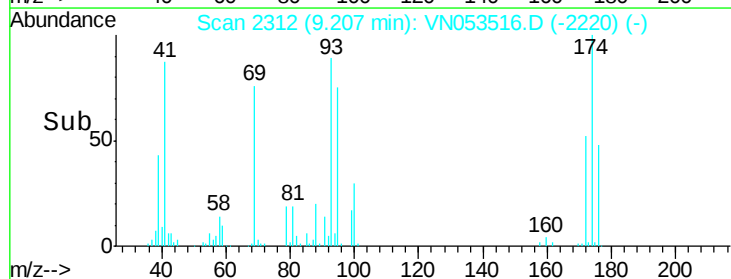
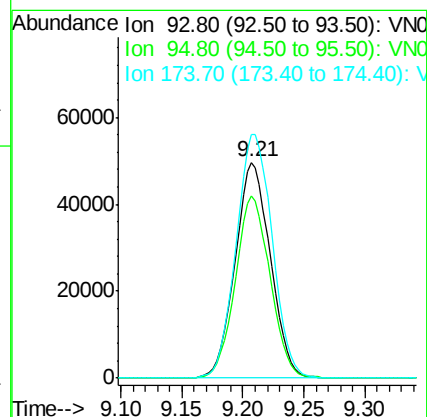
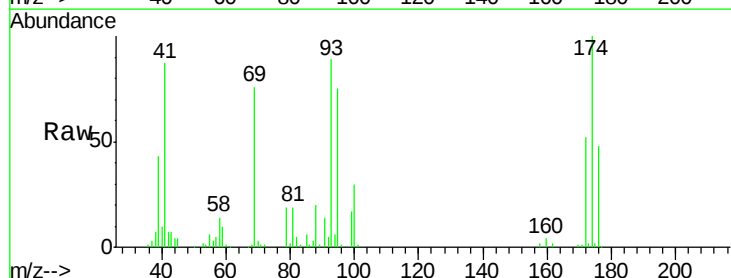
Tgt Ion: 93 Resp: 99604

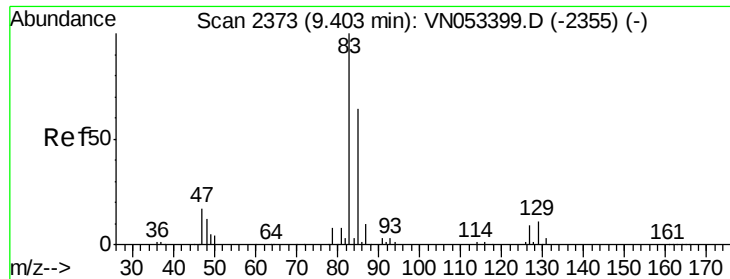
Ion Ratio Lower Upper

93 100

95 83.3 67.3 100.9

174 116.0 91.0 136.4





#47

Bromodichloromethane

Concen: 21.213 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN053516.D

Acq: 22 Jan 2019 13:50

Instrument :

MSVOA_N

ClientSampleId :

VN0122WBSD01

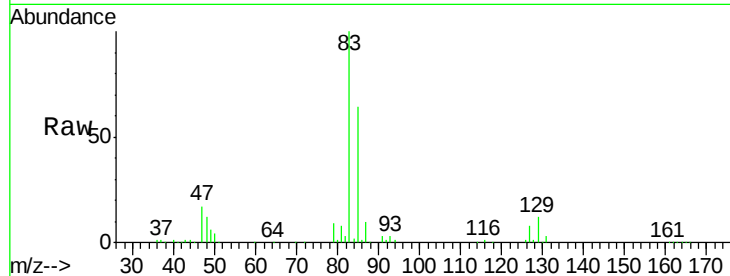
Tot Ion: 83 Resp: 209354

Ion Ratio Lower Upper

83 100

85 64.0 51.0 76.6

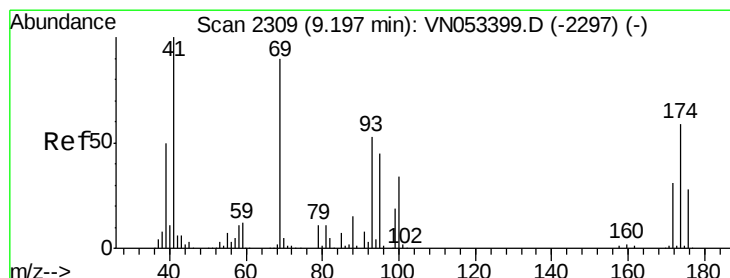
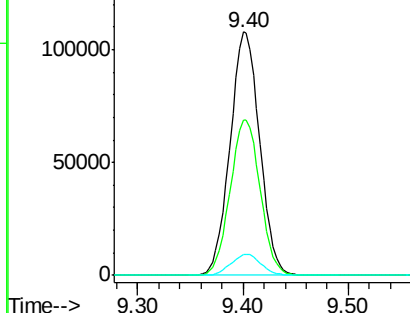
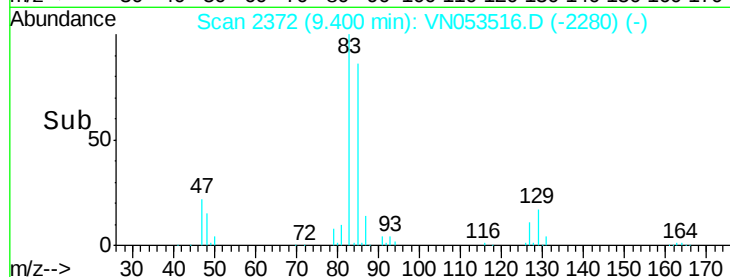
127 8.5 7.0 10.6



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 20.828 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN053516.D

Acq: 22 Jan 2019 13:50

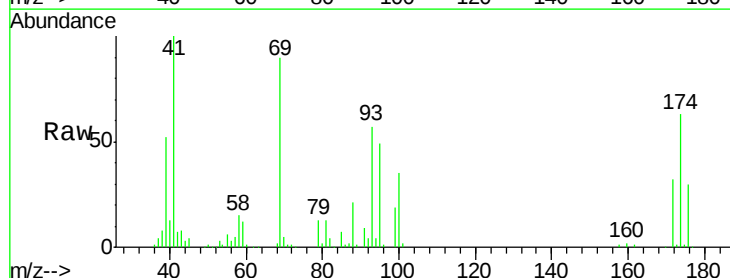
Tgt Ion: 41 Resp: 112898

Ion Ratio Lower Upper

41 100

69 92.0 73.8 110.6

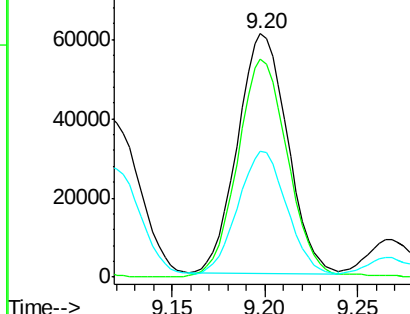
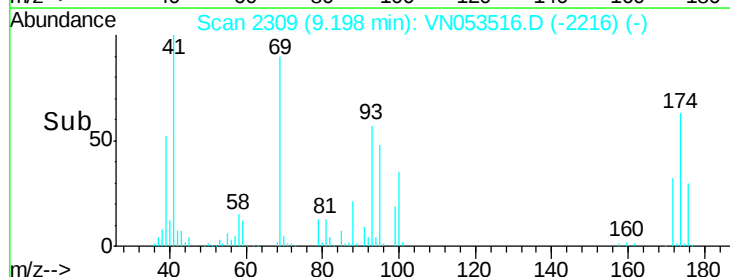
39 52.6 40.0 60.0

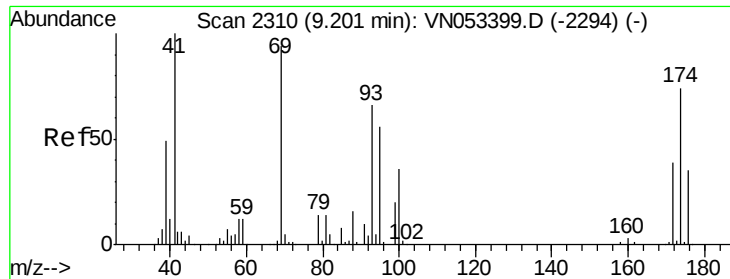


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#49

1,4-Dioxane

Concen: 515.986 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN053516.D

Acq: 22 Jan 2019 13:50

Instrument :

MSVOA_N

ClientSampleId :

VN0122WBSD01

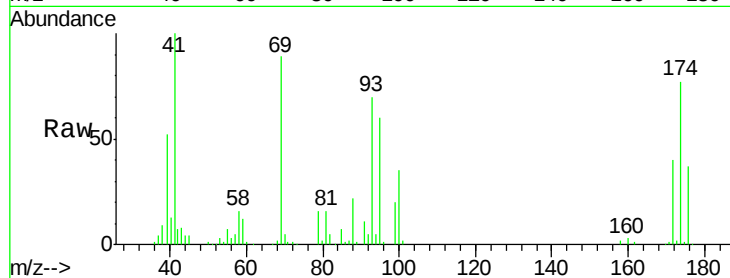
Tot Ion: 88 Resp: 27315

Ion Ratio Lower Upper

88 100

43 31.9 27.8 41.6

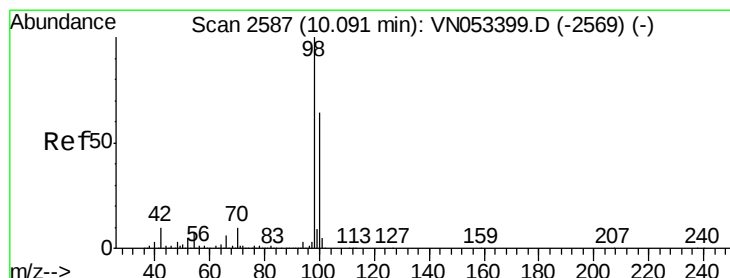
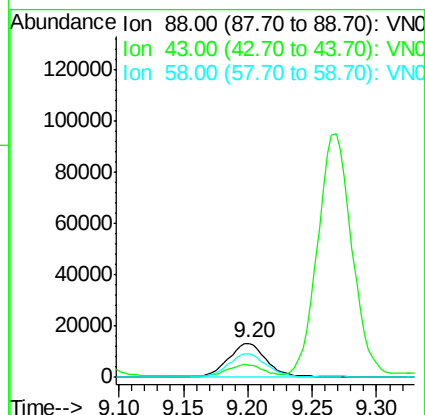
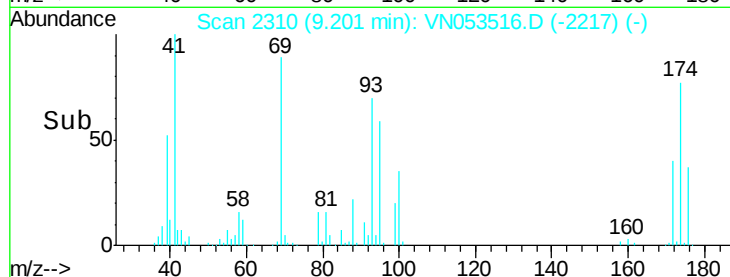
58 69.7 56.5 84.7



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 515.986 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053516.D

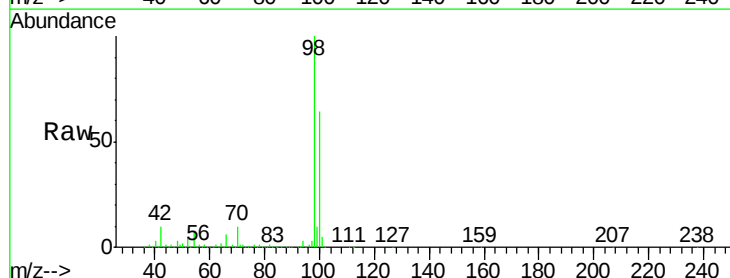
Acq: 22 Jan 2019 13:50

Tgt Ion: 98 Resp: 1346006

Ion Ratio Lower Upper

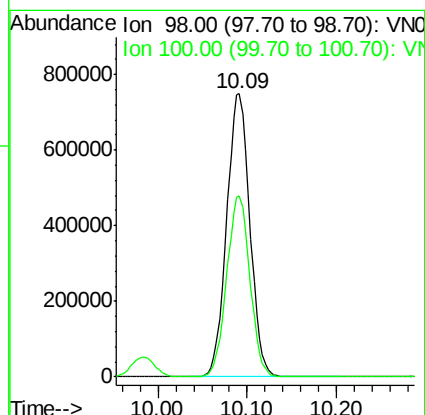
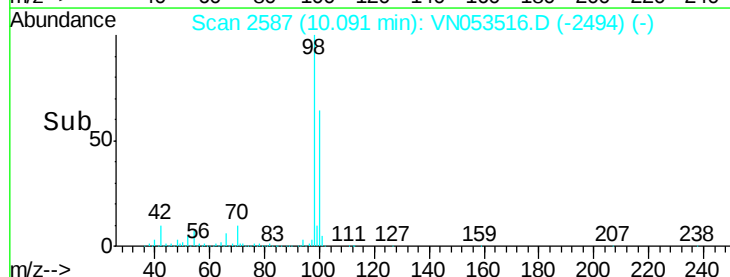
98 100

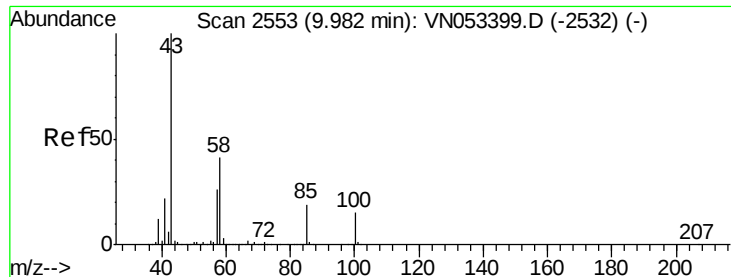
100 63.9 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

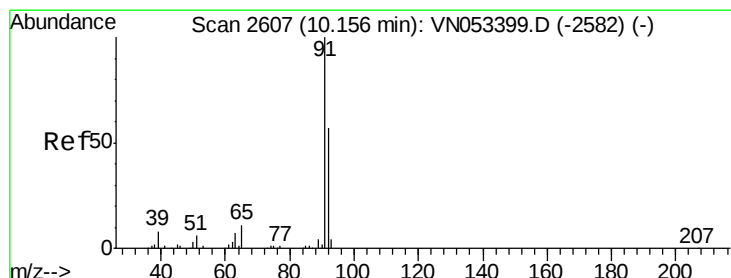
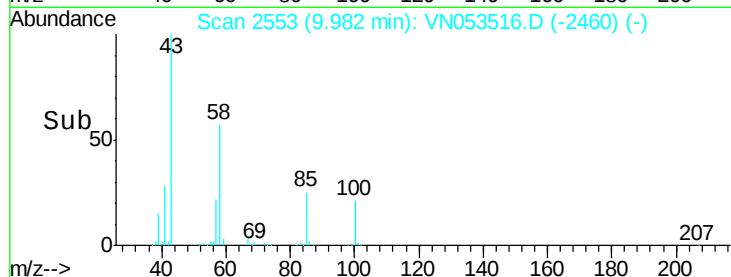
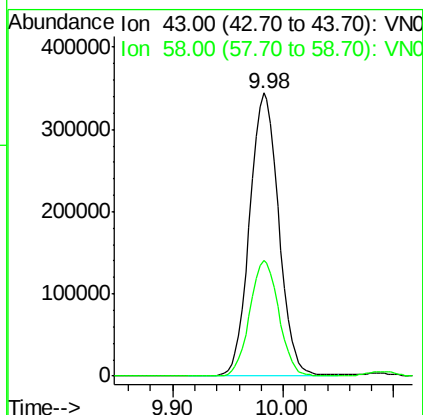
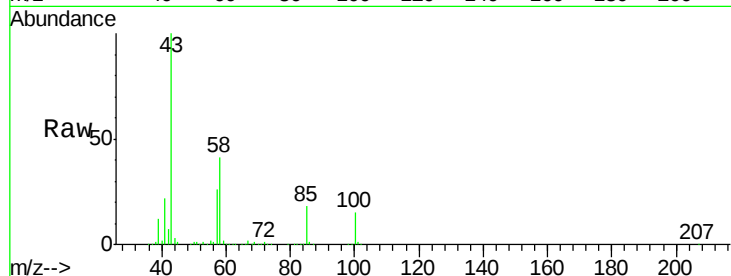




#51
 4-Methyl-2-Pentanone
 Concen: 109.445 ug/l
 RT: 9.98 min Scan# 2553
 Delta R.T. 0.00 min
 Lab File: VN053516.D
 Acq: 22 Jan 2019 13:50

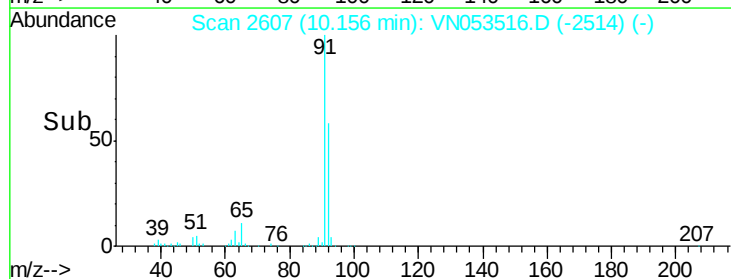
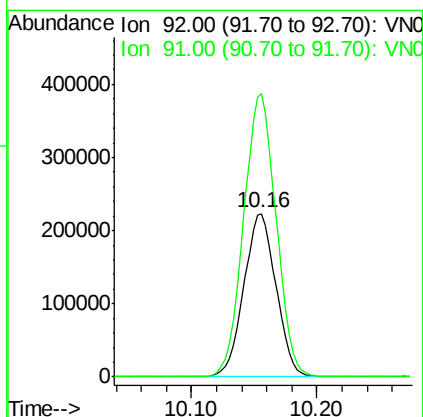
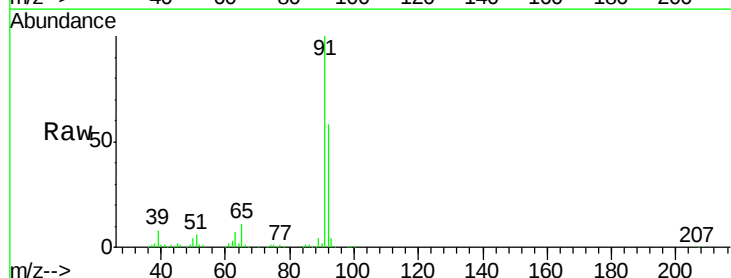
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0122WBSD01

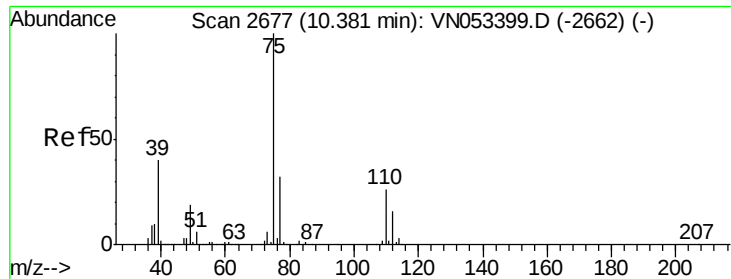
Tot Ion: 43 Resp: 627219
 Ion Ratio Lower Upper
 43 100
 58 41.1 32.8 49.2



#52
 Toluene
 Concen: 20.826 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. 0.00 min
 Lab File: VN053516.D
 Acq: 22 Jan 2019 13:50

Tgt Ion: 92 Resp: 398702
 Ion Ratio Lower Upper
 92 100
 91 175.0 139.9 209.9





#53

t-1,3-Dichloropropene

Concen: 21.186 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN053516.D

Acq: 22 Jan 2019 13:50

Instrument :

MSVOA_N

ClientSampled :

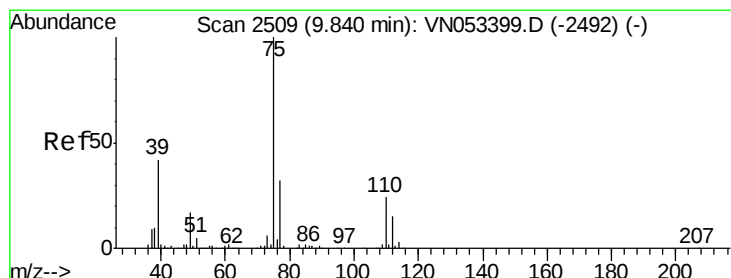
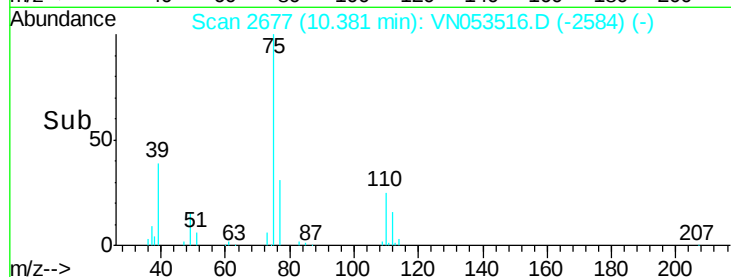
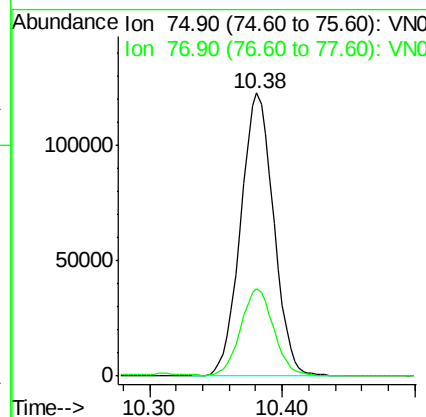
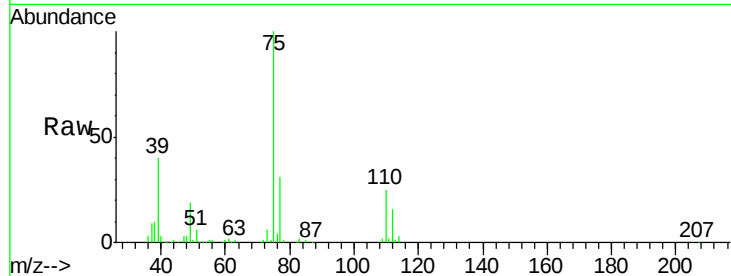
VN0122WBSD01

Tot Ion: 75 Resp: 211925

Ion Ratio Lower Upper

75 100

77 30.6 25.5 38.3



#54

cis-1,3-Dichloropropene

Concen: 21.244 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. -0.00 min

Lab File: VN053516.D

Acq: 22 Jan 2019 13:50

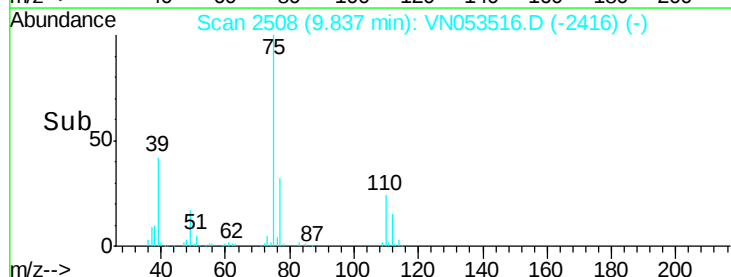
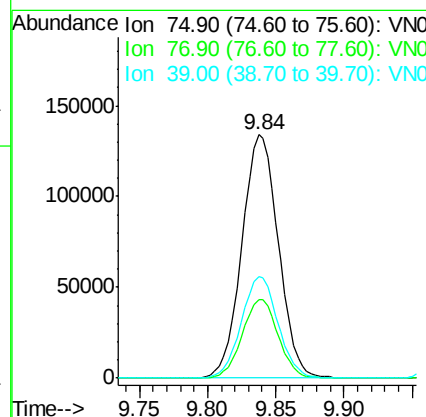
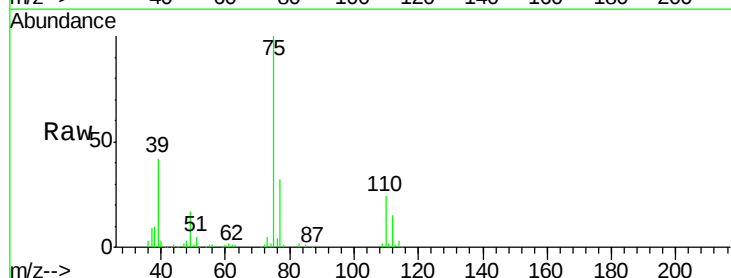
Tgt Ion: 75 Resp: 249112

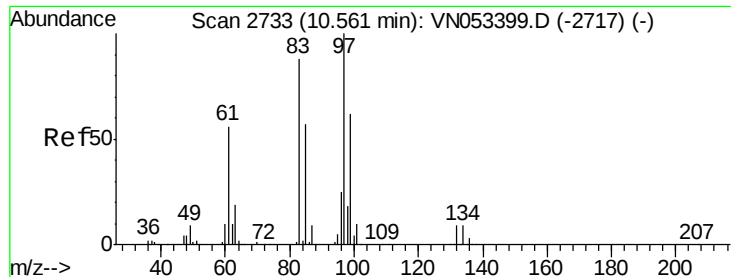
Ion Ratio Lower Upper

75 100

77 32.2 25.8 38.6

39 41.6 33.4 50.0

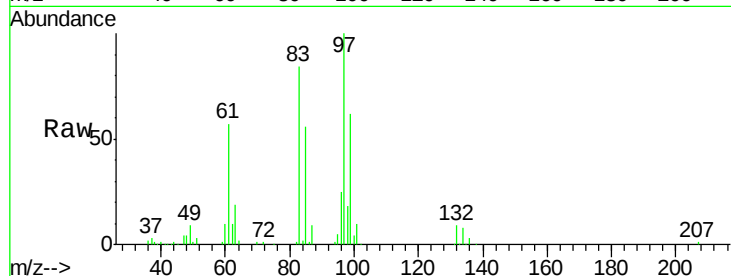




#55
 1,1,2-Trichloroethane
 Concen: 21.953 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN053516.D
 Acq: 22 Jan 2019 13:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0122WBSD01

Tot Ion	97	Resp	144897
Ion Ratio	Lower	Upper	
97	100		
83	84.3	70.1	105.1
85	55.6	45.4	68.0
99	62.5	49.8	74.8



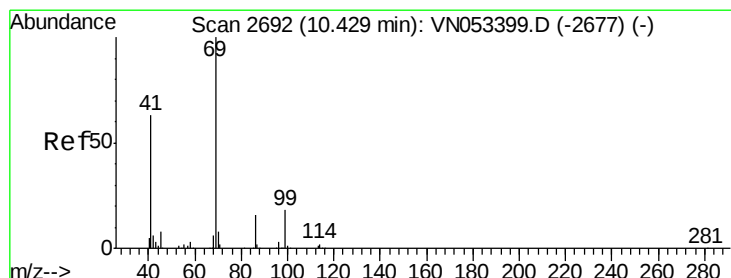
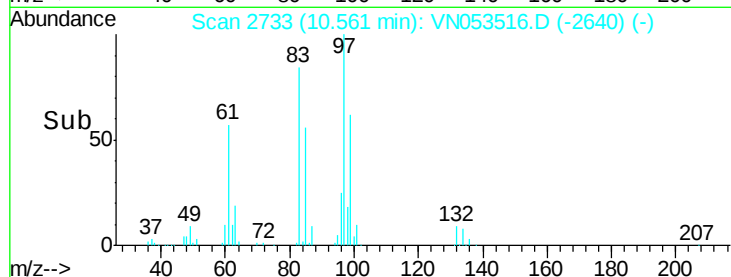
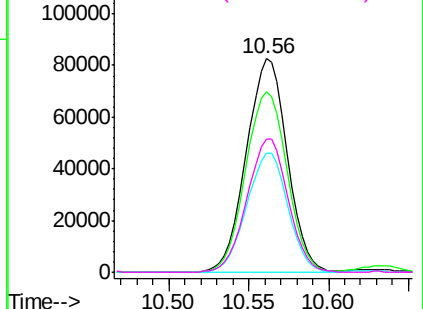
Abundance

Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

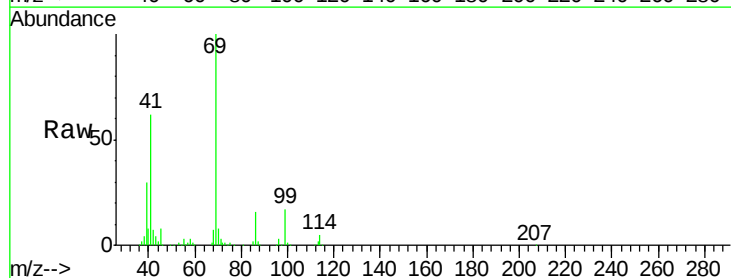
Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



#56
 Ethyl methacrylate
 Concen: 20.465 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053516.D
 Acq: 22 Jan 2019 13:50

Tgt Ion	69	Resp	179825
Ion Ratio	Lower	Upper	
69	100		
41	61.9	49.4	74.0
39	28.7	23.3	34.9

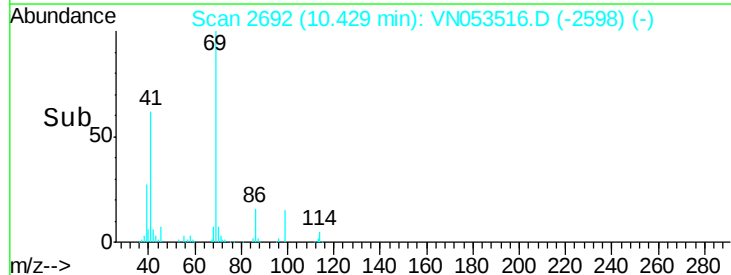
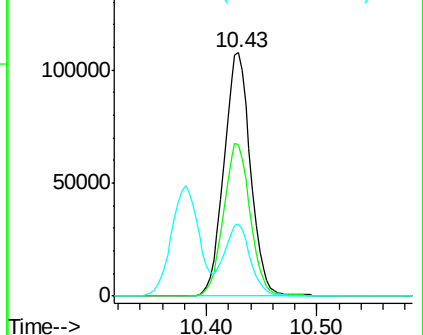


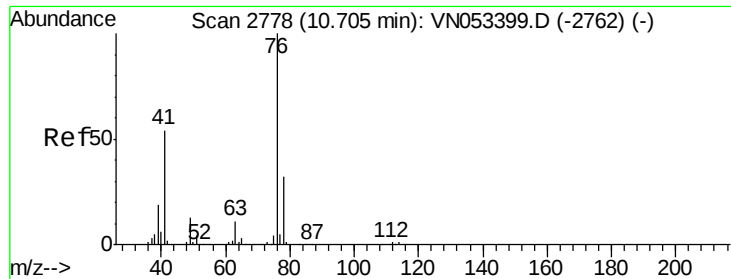
Abundance

Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

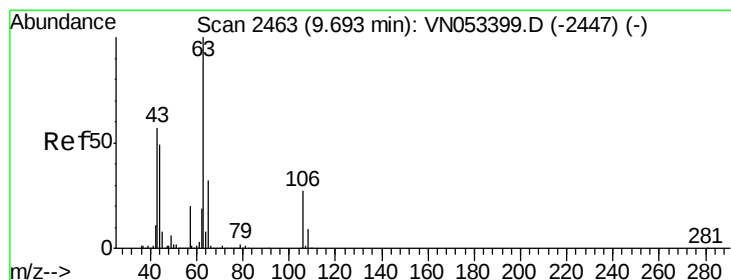
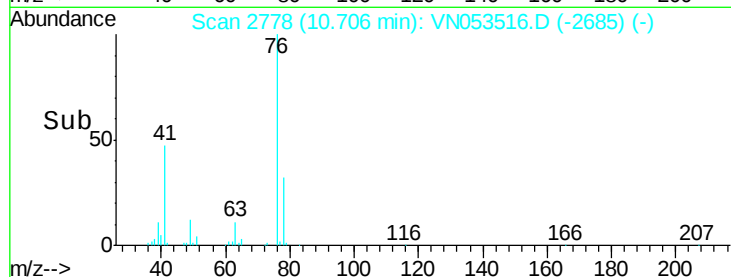
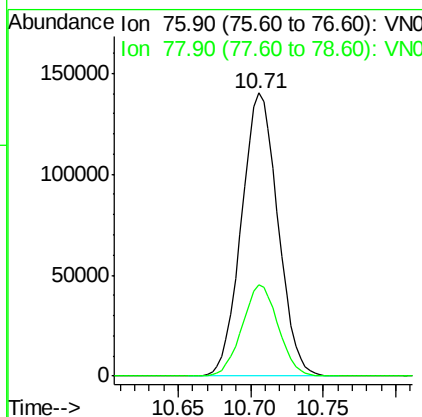
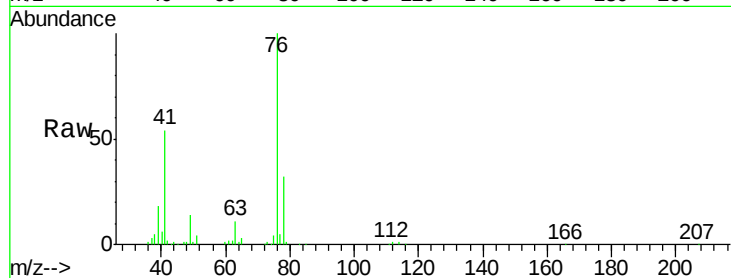




#57
 1,3-Dichloropropane
 Concen: 21.520 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN053516.D
 Acq: 22 Jan 2019 13:50

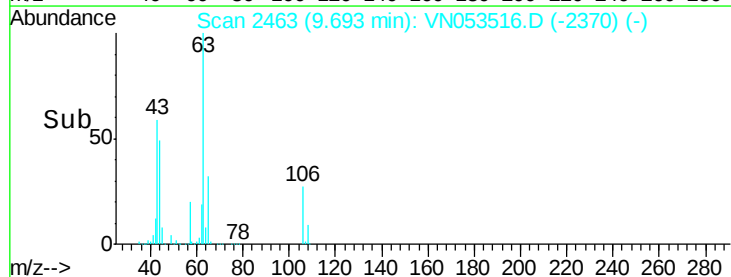
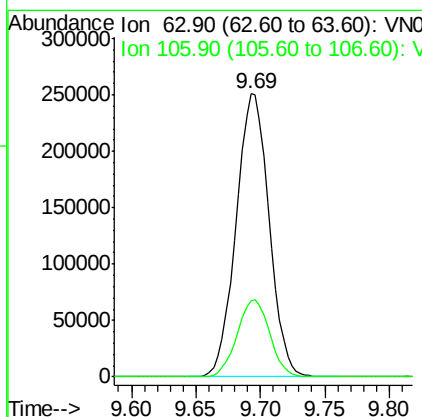
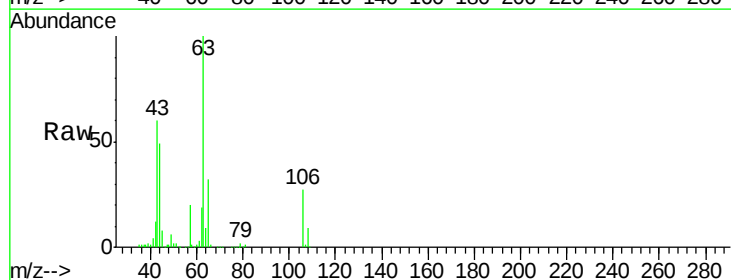
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0122WBSD01

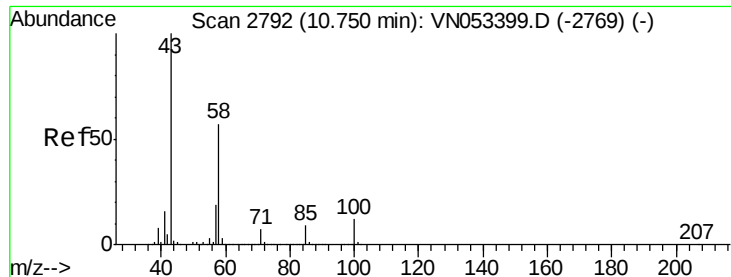
Tot Ion: 76 Resp: 245717
 Ion Ratio Lower Upper
 76 100
 78 31.9 25.6 38.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 96.802 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. 0.00 min
 Lab File: VN053516.D
 Acq: 22 Jan 2019 13:50

Tgt Ion: 63 Resp: 446992
 Ion Ratio Lower Upper
 63 100
 106 27.0 21.5 32.3

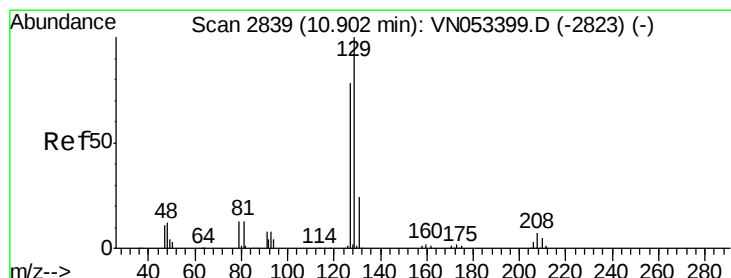
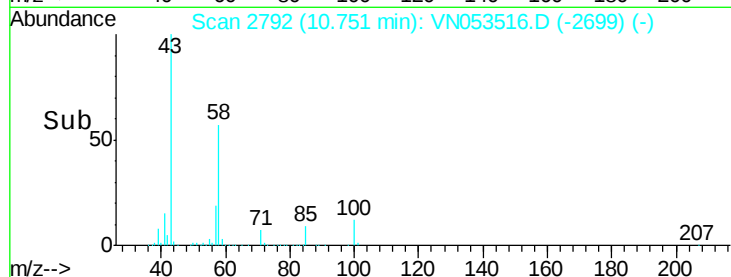
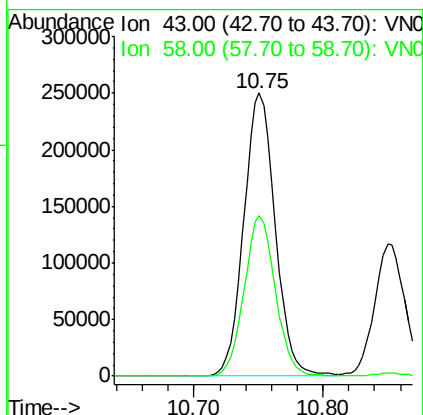
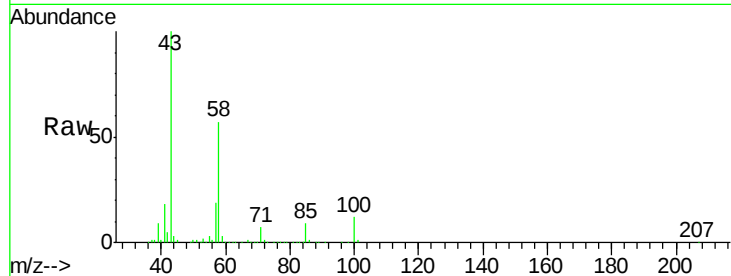




#59
2-Hexanone
Concen: 105.013 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN053516.D
Acq: 22 Jan 2019 13:50

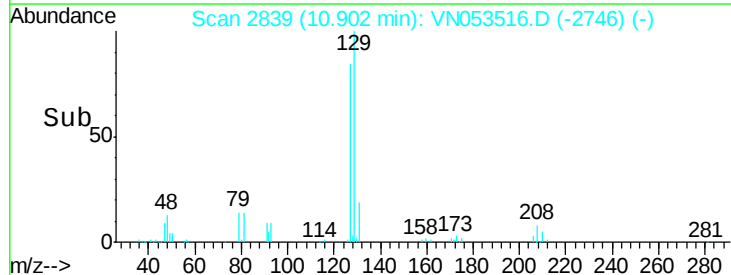
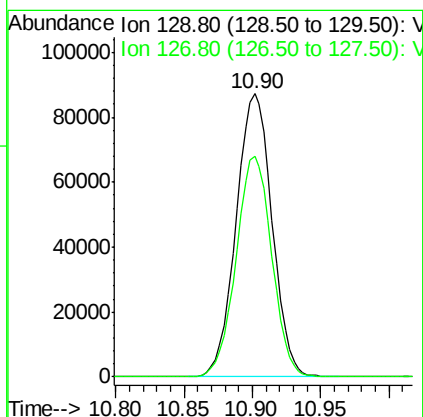
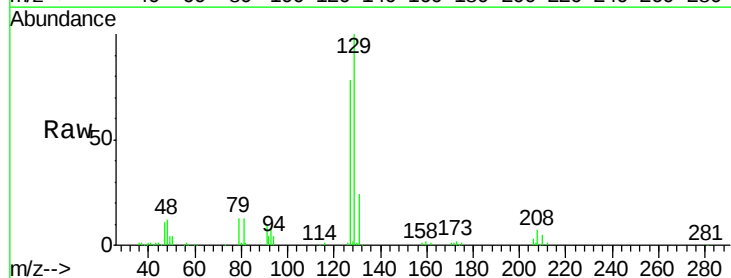
Instrument :
MSVOA_N
ClientSampleId :
VN0122WBSD01

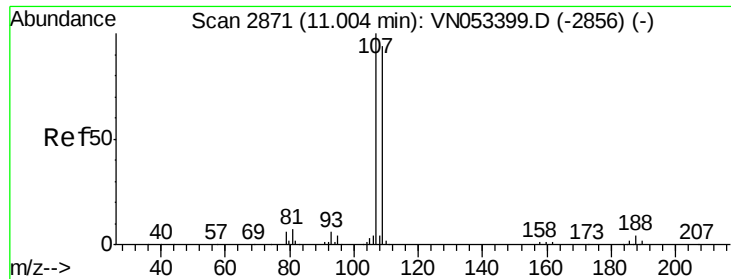
Tot Ion: 43 Resp: 422470
Ion Ratio Lower Upper
43 100
58 56.7 28.6 85.8



#60
Dibromochloromethane
Concen: 21.336 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN053516.D
Acq: 22 Jan 2019 13:50

Tgt Ion: 129 Resp: 159730
Ion Ratio Lower Upper
129 100
127 77.1 38.6 115.8

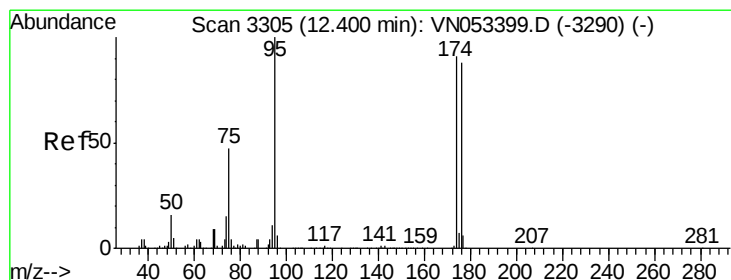
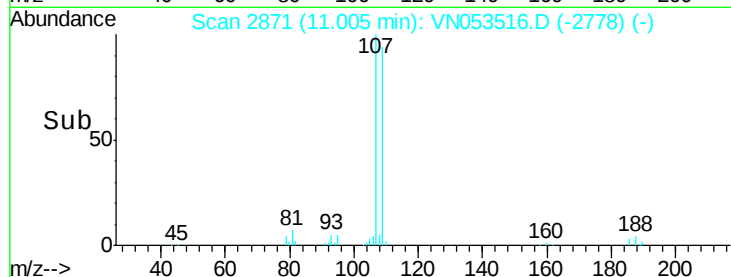
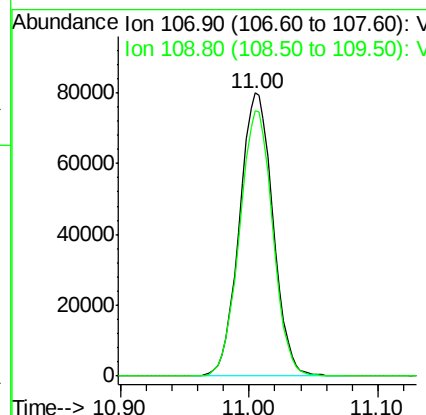
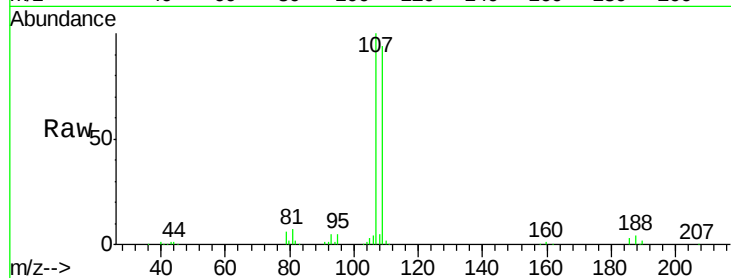




#61
 1,2-Dibromoethane
 Concen: 21.579 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN053516.D
 Acq: 22 Jan 2019 13:50

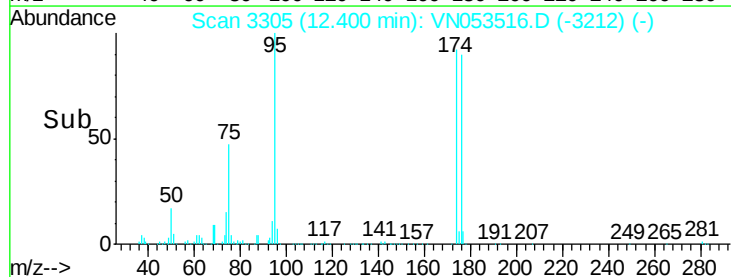
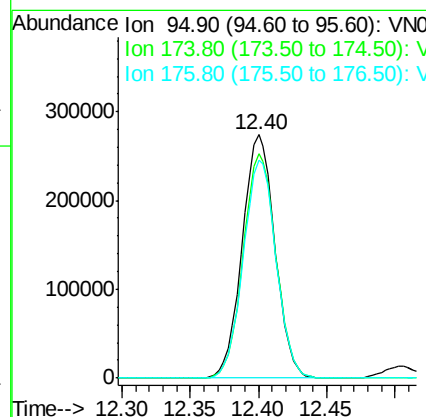
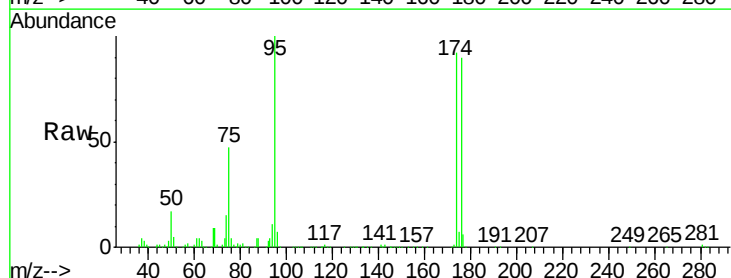
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0122WBSD01

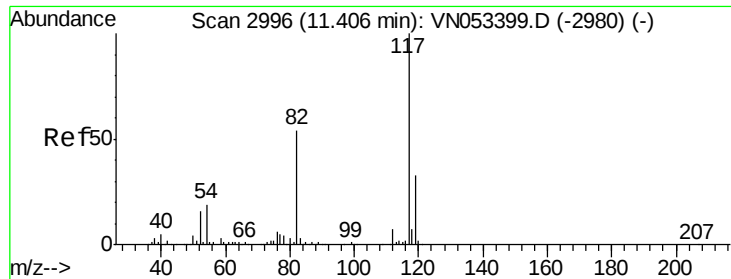
Tot Ion:107 Resp: 144051
 Ion Ratio Lower Upper
 107 100
 109 93.1 75.7 113.5



#62
 4-Bromofluorobenzene
 Concen: 21.579 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN053516.D
 Acq: 22 Jan 2019 13:50

Tgt Ion: 95 Resp: 455653
 Ion Ratio Lower Upper
 95 100
 174 92.1 0.0 183.2
 176 89.8 0.0 177.4

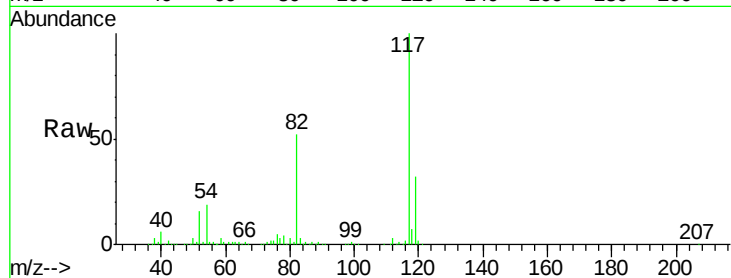




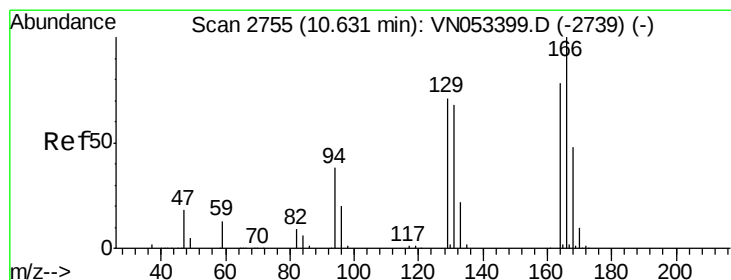
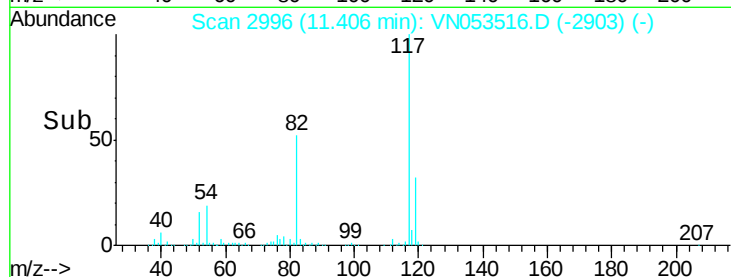
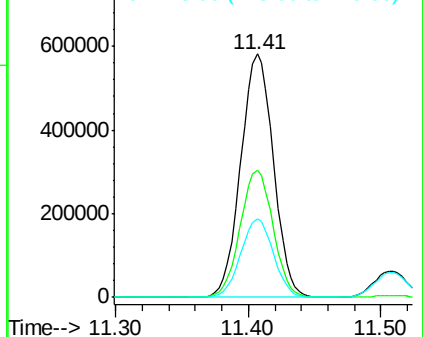
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053516.D
Acq: 22 Jan 2019 13:50

Instrument :
MSVOA_N
ClientSampleId :
VN0122WBSD01

Tot Ion:117 Resp: 996379
Ion Ratio Lower Upper
117 100
82 52.3 42.9 64.3
119 32.1 26.0 39.0

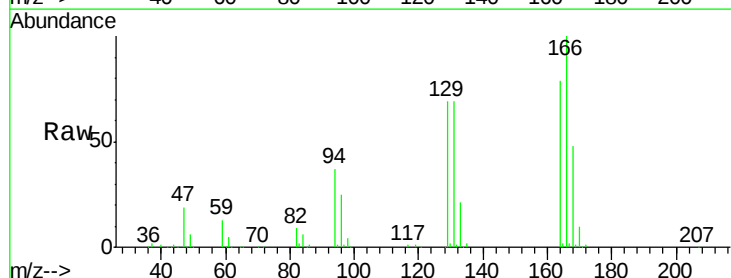


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

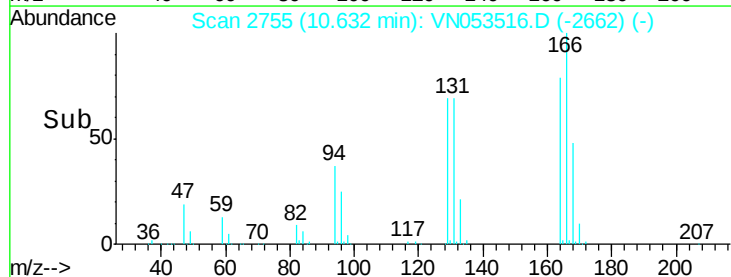
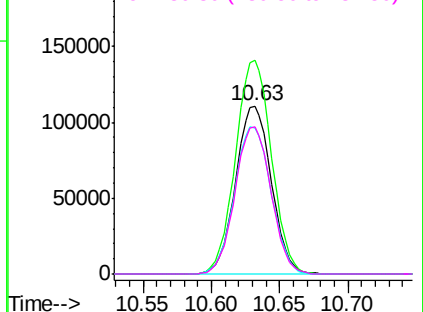


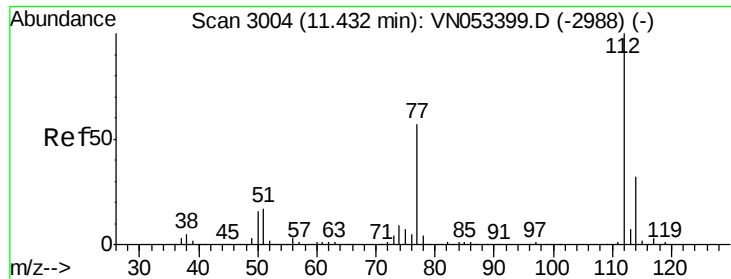
#64
Tetrachloroethene
Concen: 21.408 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053516.D
Acq: 22 Jan 2019 13:50

Tgt Ion:164 Resp: 201017
Ion Ratio Lower Upper
164 100
166 127.3 102.2 153.4
129 87.2 72.6 109.0
131 87.4 69.5 104.3



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

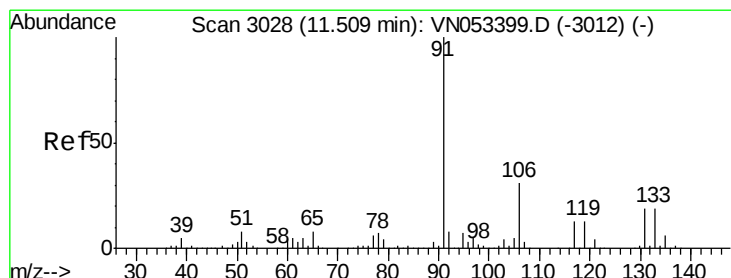
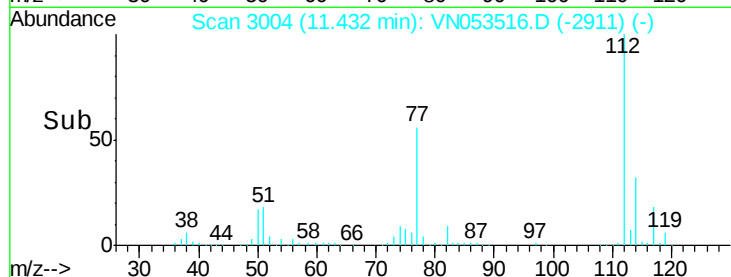
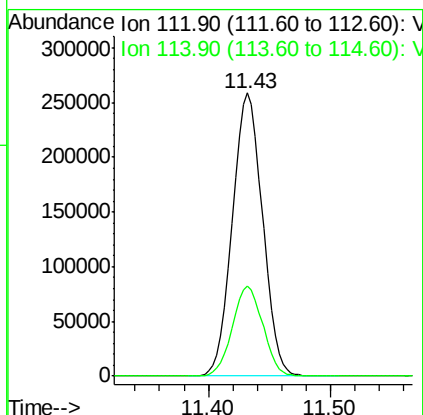
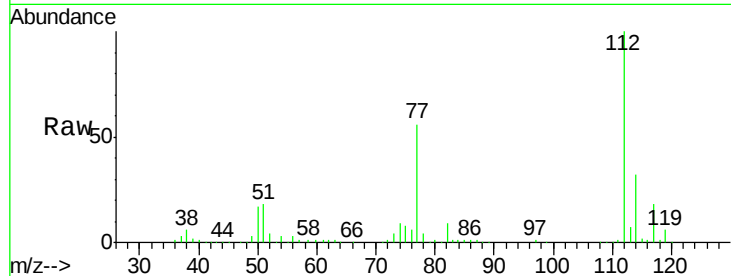




#65
Chlorobenzene
Concen: 21.106 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN053516.D
Acq: 22 Jan 2019 13:50

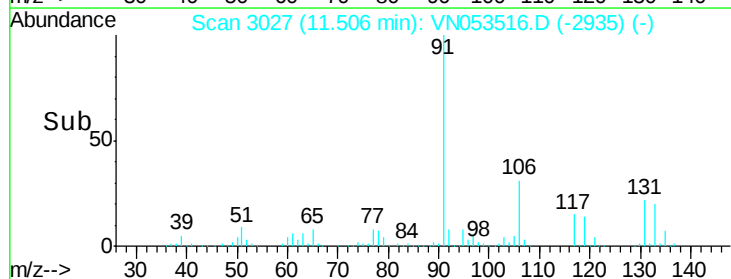
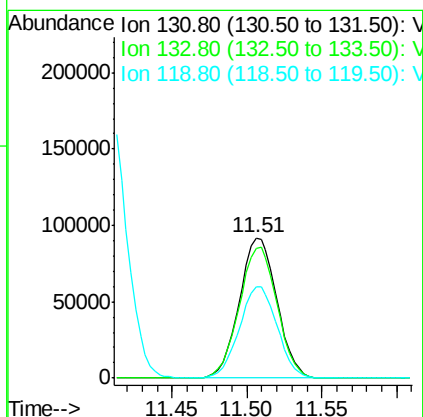
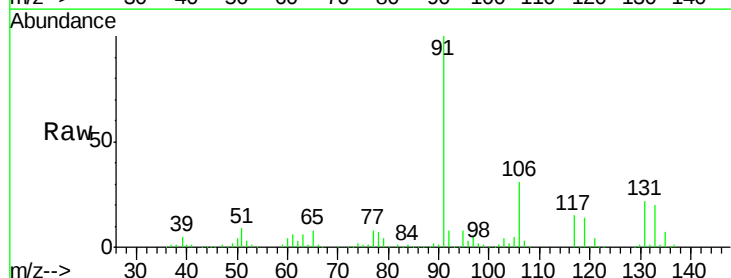
Instrument :
MSVOA_N
ClientSampleId :
VN0122WBSD01

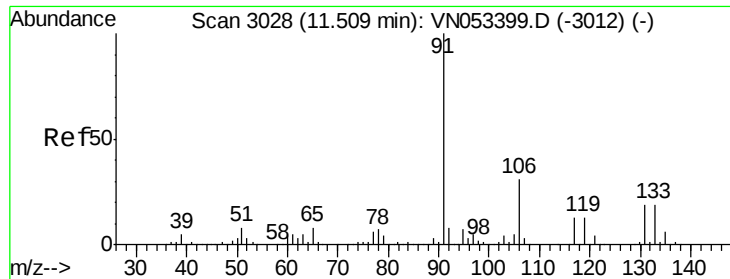
Tot Ion:112 Resp: 445120
Ion Ratio Lower Upper
112 100
114 31.6 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 21.888 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN053516.D
Acq: 22 Jan 2019 13:50

Tgt Ion:131 Resp: 160593
Ion Ratio Lower Upper
131 100
133 94.1 48.0 144.0
119 65.7 33.5 100.5

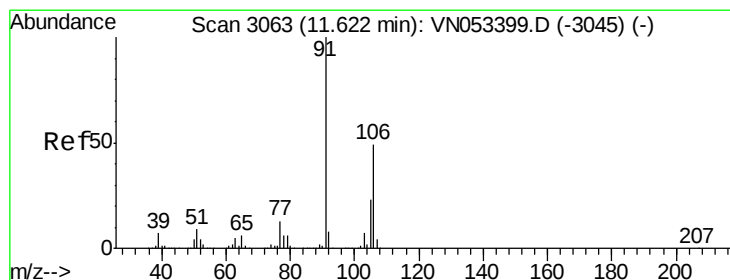
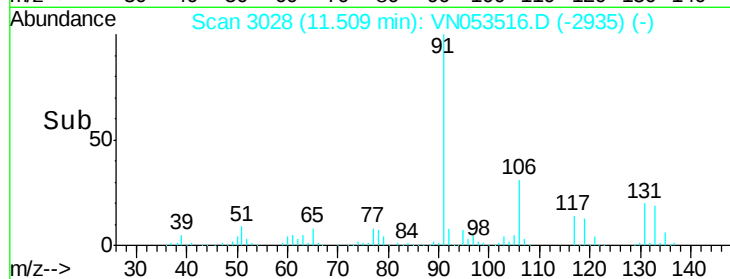
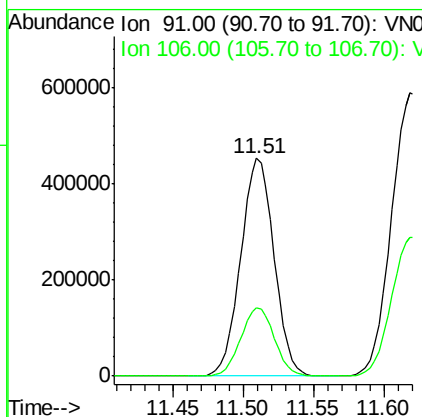
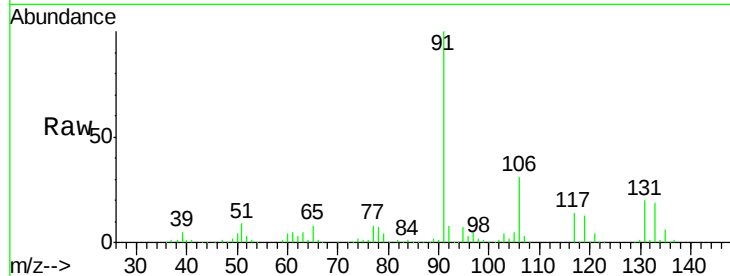




#67
Ethyl Benzene
Concen: 20.916 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN053516.D
Acq: 22 Jan 2019 13:50

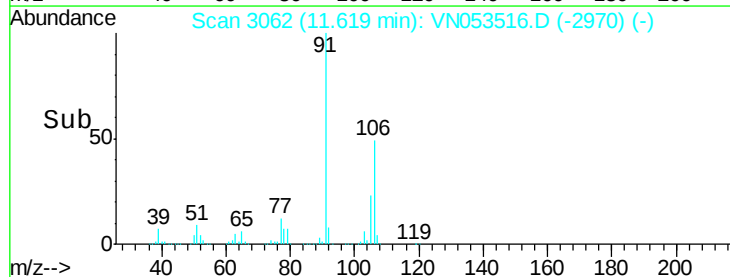
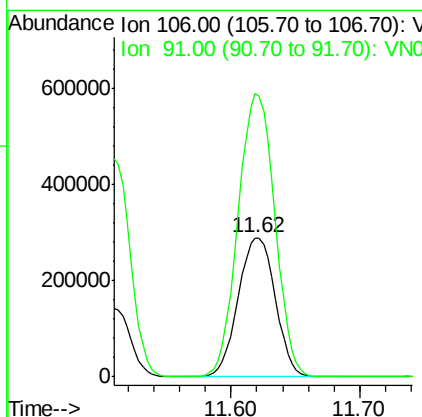
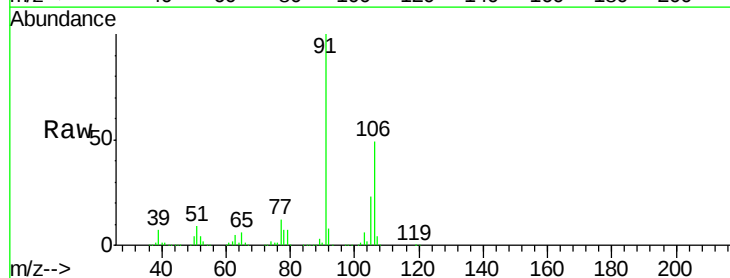
Instrument :
MSVOA_N
ClientSampled :
VN0122WBSD01

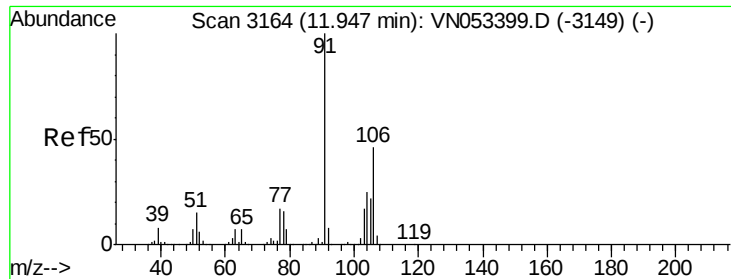
Tot Ion: 91 Resp: 751779
Ion Ratio Lower Upper
91 100
106 31.5 25.0 37.6



#68
m/p-Xylenes
Concen: 42.753 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN053516.D
Acq: 22 Jan 2019 13:50

Tgt Ion:106 Resp: 580166
Ion Ratio Lower Upper
106 100
91 201.5 161.4 242.2

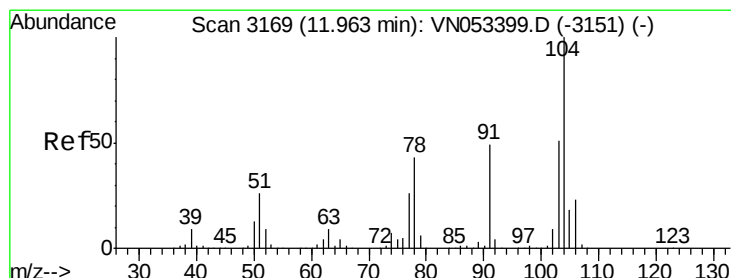
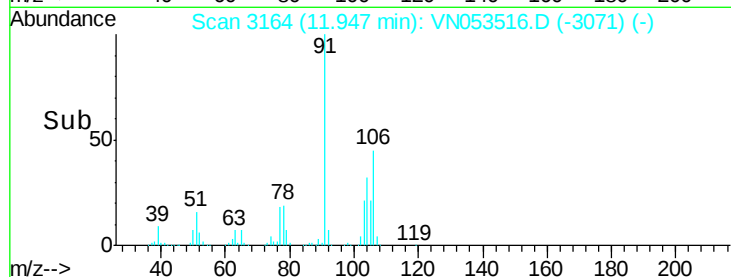
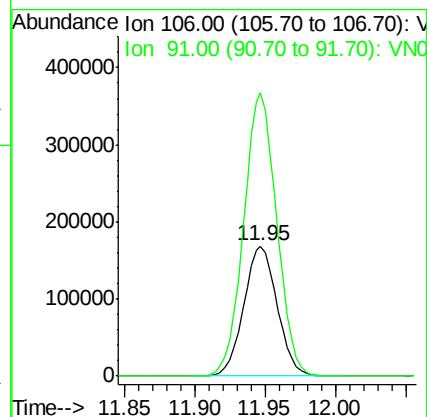
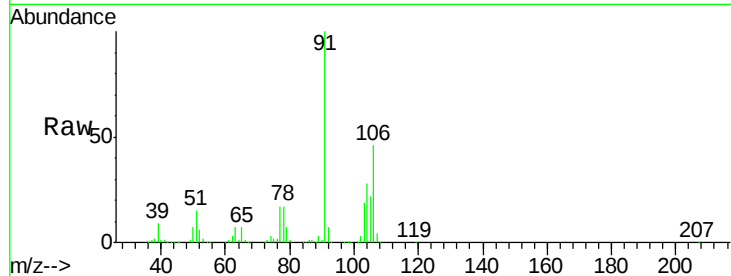




#69
o-Xylene
Concen: 21.166 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053516.D
Acq: 22 Jan 2019 13:50

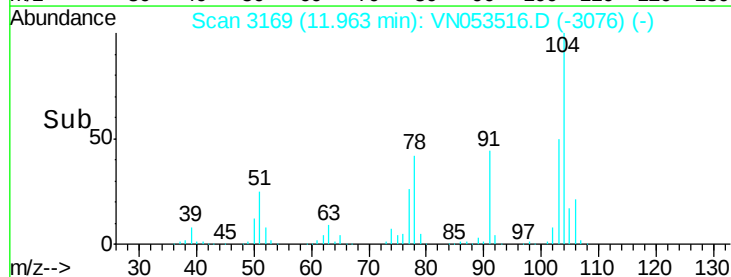
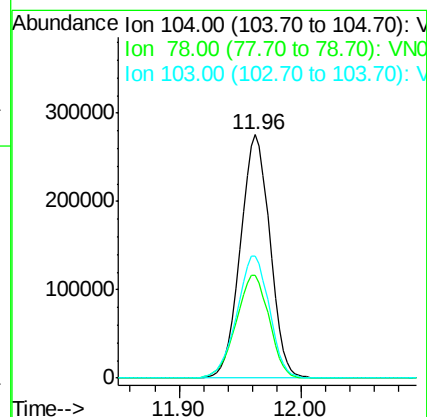
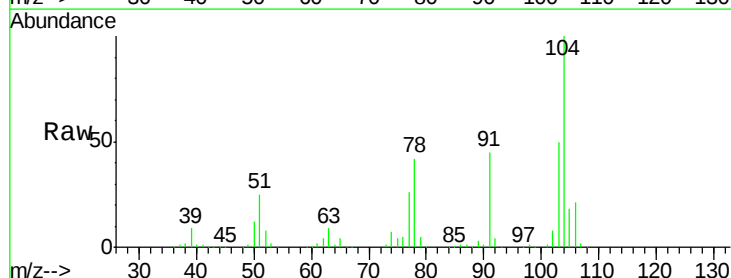
Instrument :
MSVOA_N
ClientSampled :
VN0122WBSD01

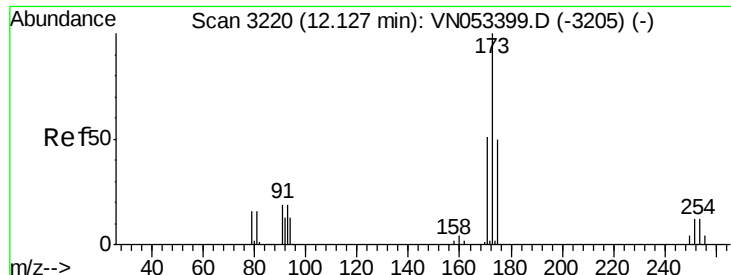
Tot Ion:106 Resp: 279101
Ion Ratio Lower Upper
106 100
91 215.9 106.9 320.8



#70
Styrene
Concen: 21.487 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN053516.D
Acq: 22 Jan 2019 13:50

Tgt Ion:104 Resp: 459831
Ion Ratio Lower Upper
104 100
78 47.6 38.2 57.2
103 55.6 44.4 66.6

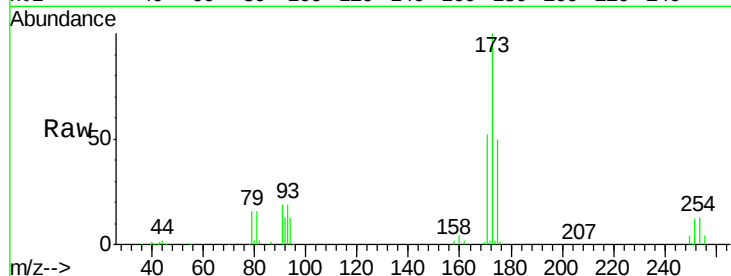




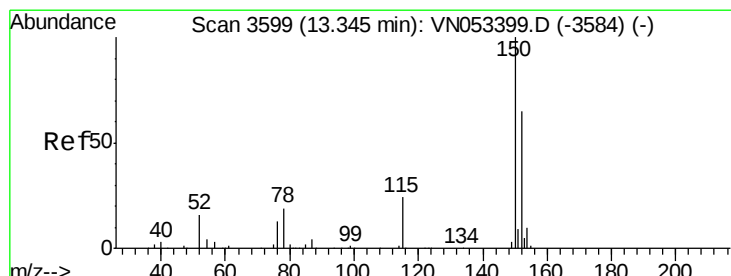
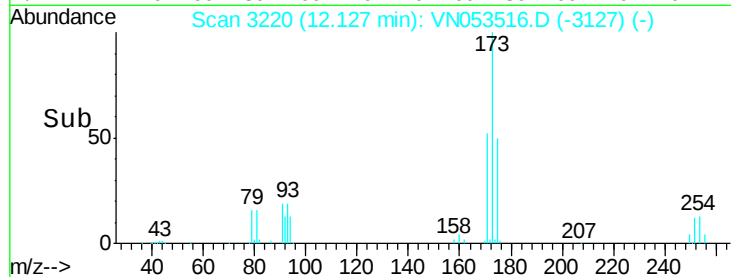
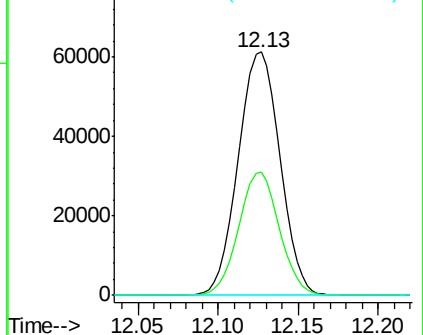
#71
Bromoform
Concen: 21.619 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN053516.D
Acq: 22 Jan 2019 13:50

Instrument :
MSVOA_N
ClientSampleId :
VN0122WBSD01

Tot Ion:173 Resp: 109199
Ion Ratio Lower Upper
173 100
175 49.0 24.6 74.0
254 0.0 0.2 0.2#

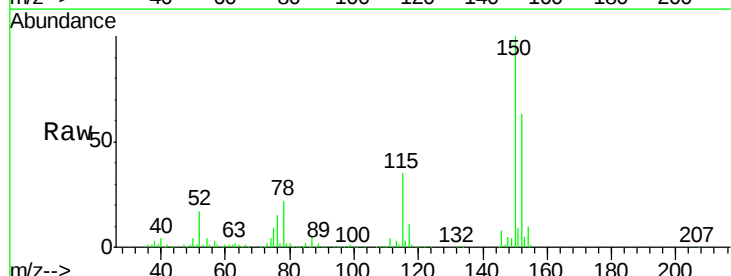


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

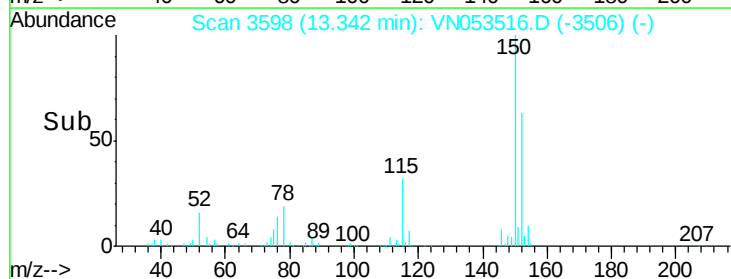
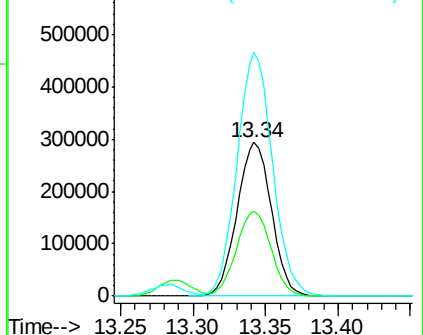


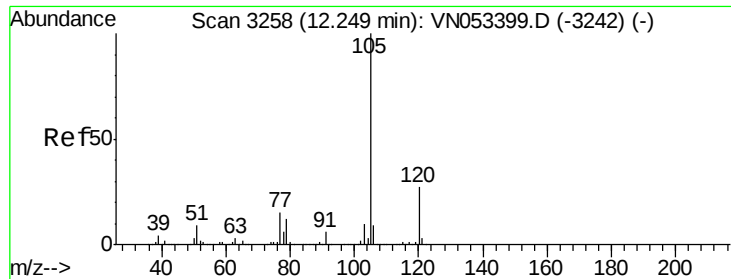
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN053516.D
Acq: 22 Jan 2019 13:50

Tgt Ion:152 Resp: 482555
Ion Ratio Lower Upper
152 100
115 55.6 27.8 83.4
150 164.3 0.0 349.0



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





#73

Isopropylbenzene

Concen: 21.170 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053516.D

Acq: 22 Jan 2019 13:50

Instrument :

MSVOA_N

ClientSampleId :

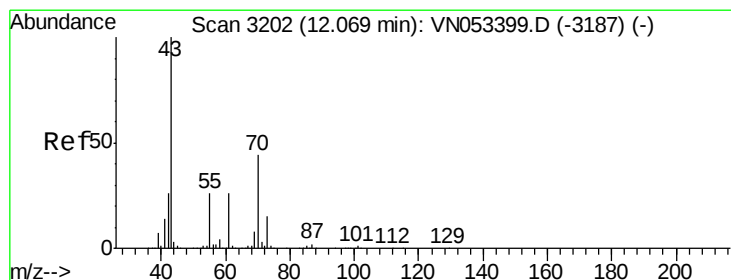
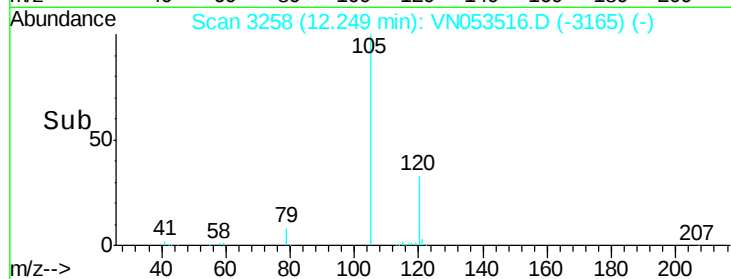
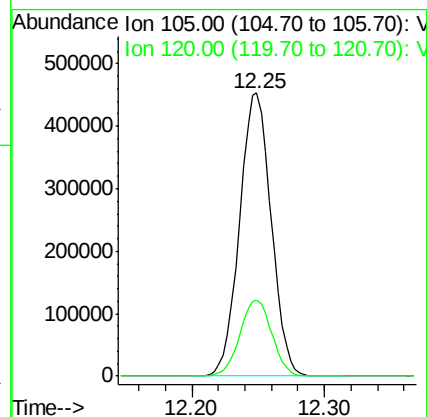
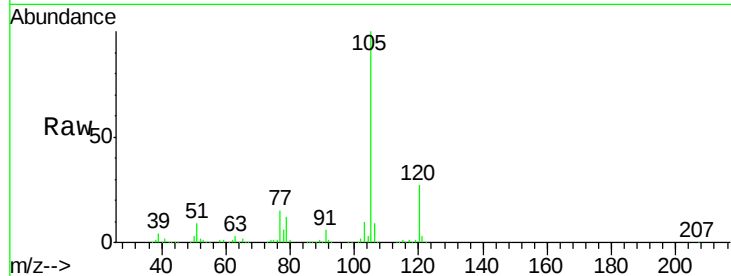
VN0122WBSD01

Tot Ion:105 Resp: 748104

Ion Ratio Lower Upper

105 100

120 27.1 13.6 40.7



#74

N-ethyl acetate

Concen: 21.446 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN053516.D

Acq: 22 Jan 2019 13:50

Tgt Ion: 43 Resp: 202027

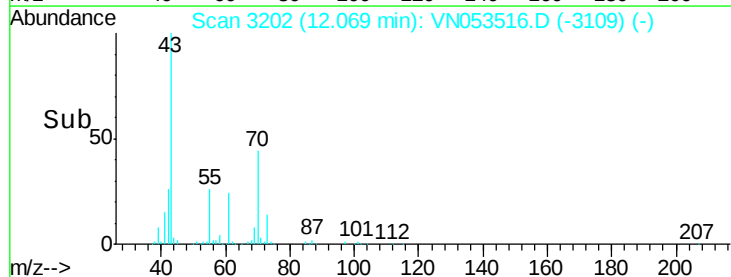
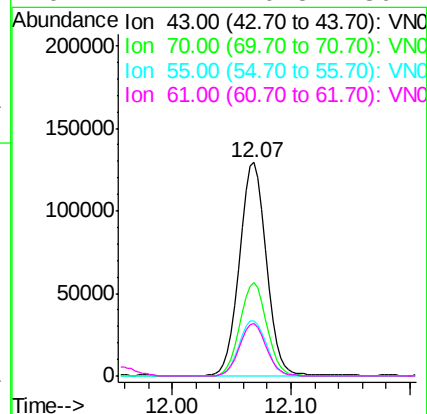
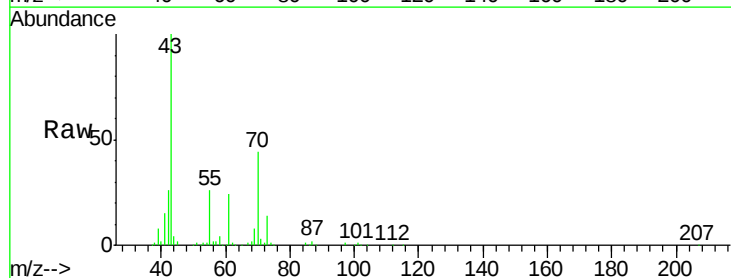
Ion Ratio Lower Upper

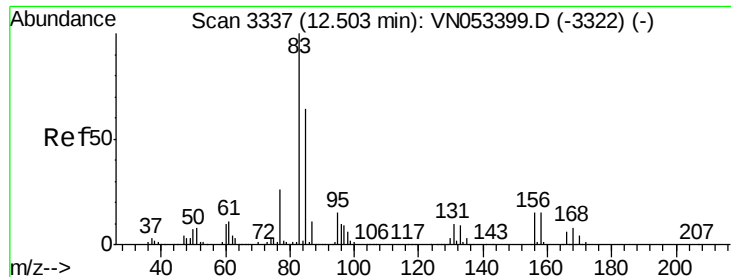
43 100

70 44.0 35.4 53.2

55 26.8 20.9 31.3

61 24.7 20.5 30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 20.789 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN053516.D

Acq: 22 Jan 2019 13:50

Instrument :

MSVOA_N

ClientSampleId :

VN0122WBSD01

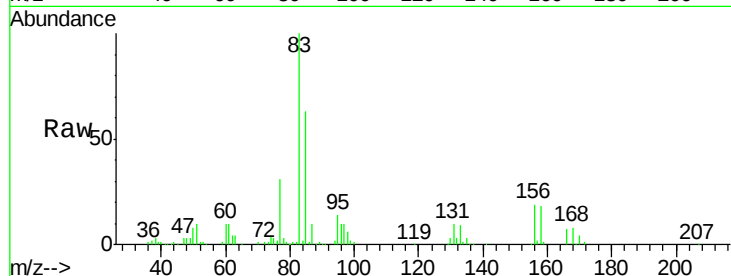
Tot Ion: 83 Resp: 154075

Ion Ratio Lower Upper

83 100

131 11.2 5.3 15.8

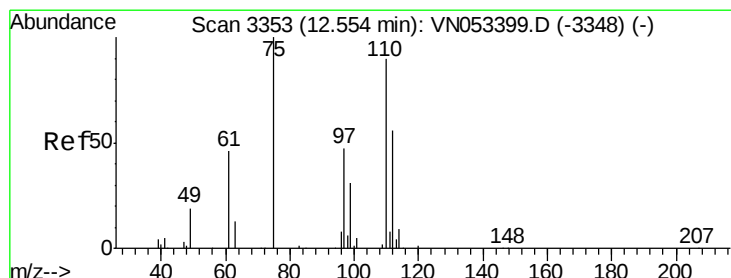
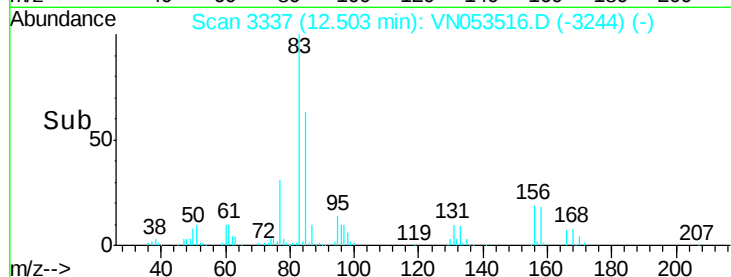
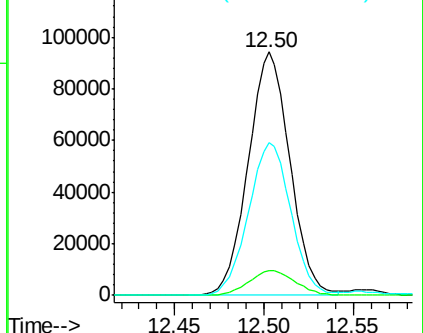
85 63.8 32.1 96.3



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 33.678 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN053516.D

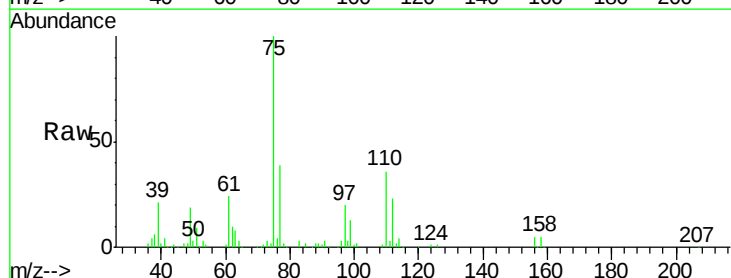
Acq: 22 Jan 2019 13:50

Tgt Ion: 75 Resp: 214163

Ion Ratio Lower Upper

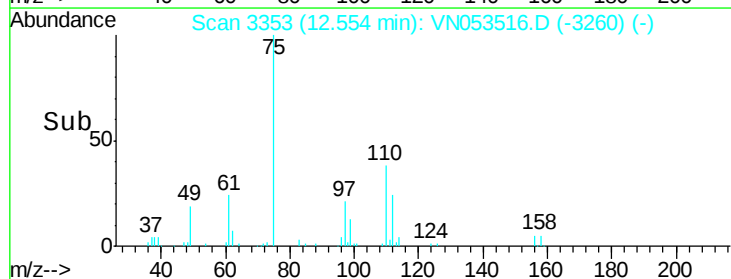
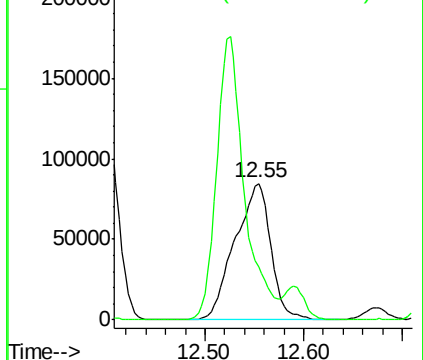
75 100

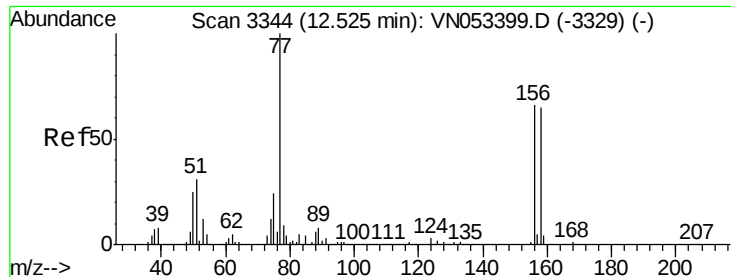
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 21.110 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053516.D

Acq: 22 Jan 2019 13:50

Instrument :

MSVOA_N

ClientSampleId :

VN0122WBSD01

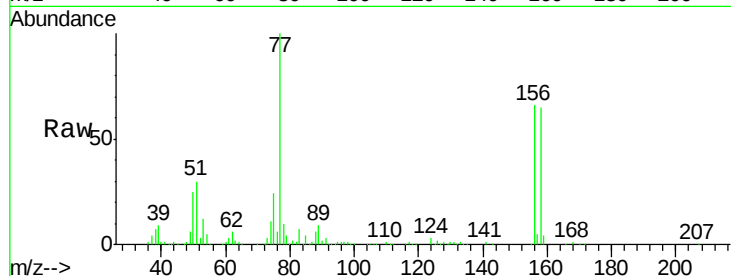
Tot Ion:156 Resp: 196565

Ion Ratio Lower Upper

156 100

77 175.6 87.9 263.8

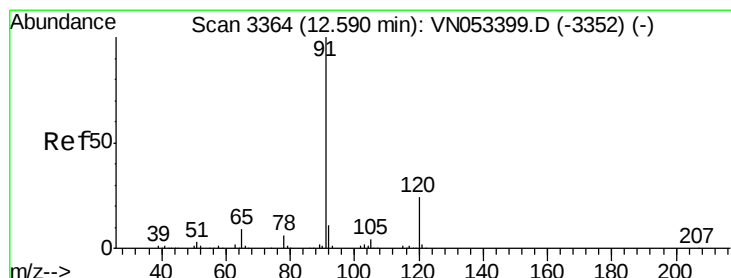
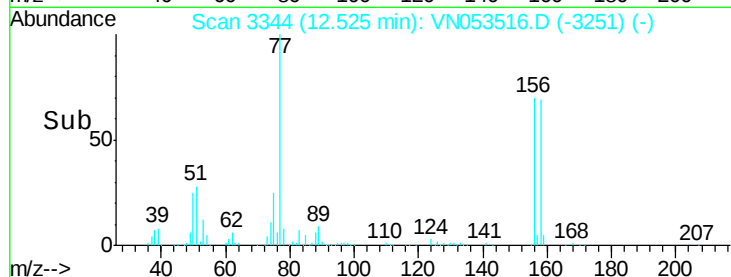
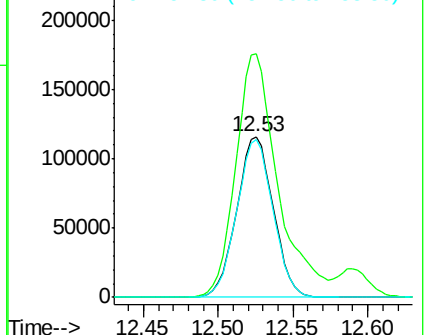
158 97.7 48.8 146.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.001 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN053516.D

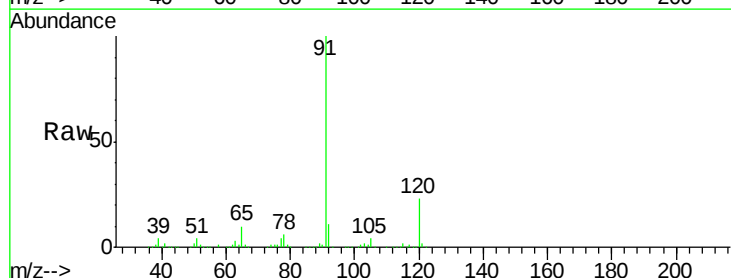
Acq: 22 Jan 2019 13:50

Tgt Ion: 91 Resp: 851865

Ion Ratio Lower Upper

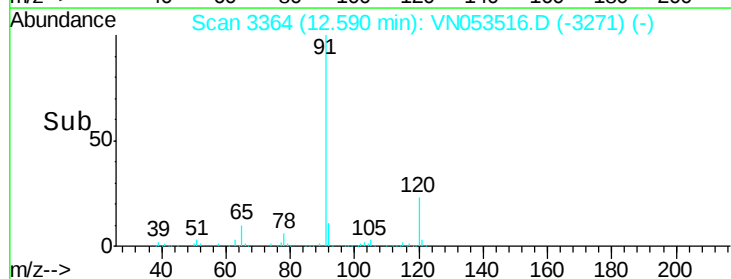
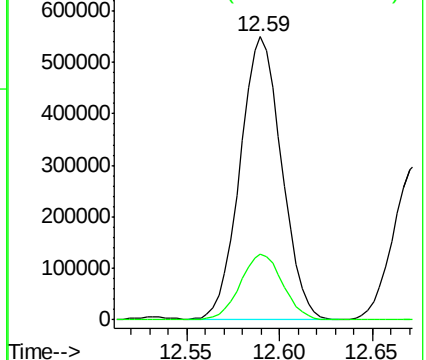
91 100

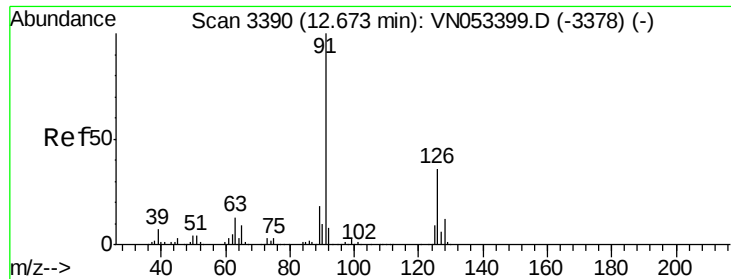
120 23.7 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.869 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN053516.D

Acq: 22 Jan 2019 13:50

Instrument :

MSVOA_N

ClientSampleId :

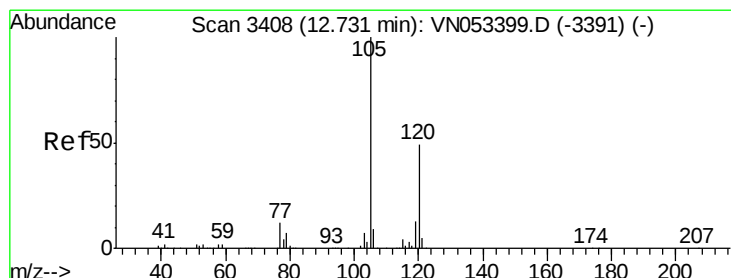
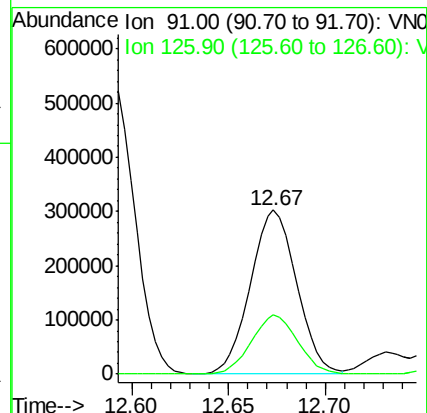
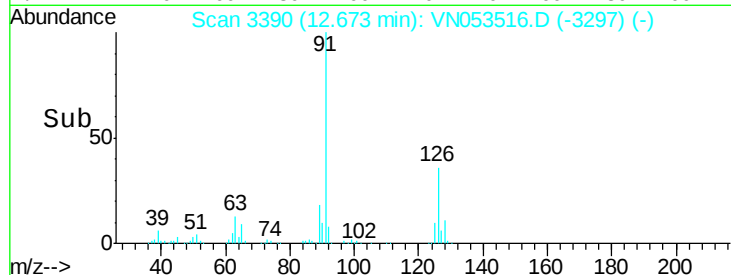
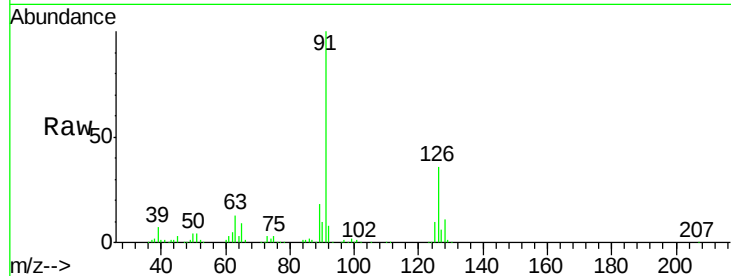
VN0122WBSD01

Tot Ion: 91 Resp: 501761

Ion Ratio Lower Upper

91 100

126 36.1 17.9 53.7



#80

1,3,5-Trimethylbenzene

Concen: 21.554 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN053516.D

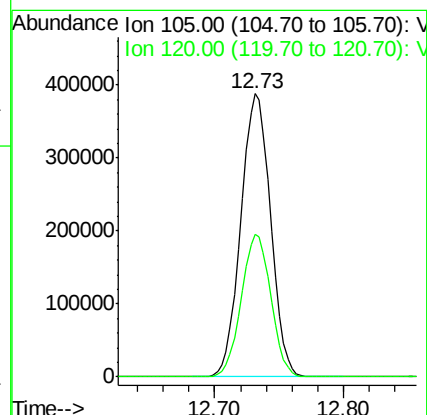
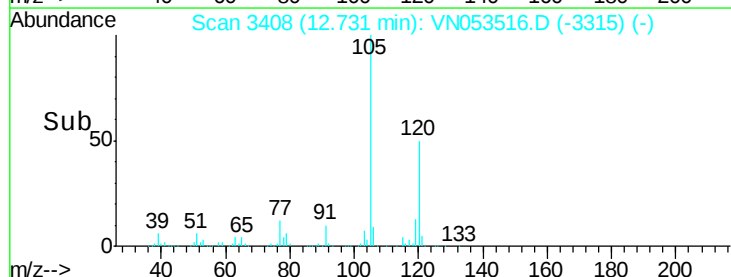
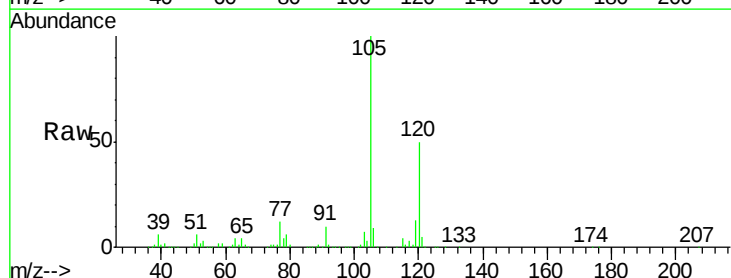
Acq: 22 Jan 2019 13:50

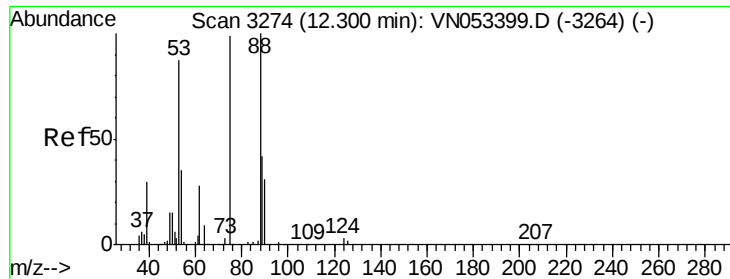
Tgt Ion: 105 Resp: 619713

Ion Ratio Lower Upper

105 100

120 50.1 24.9 74.6

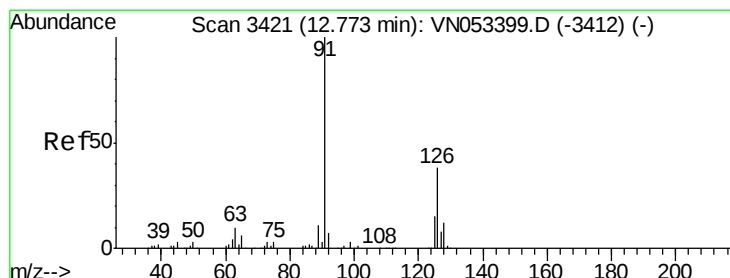
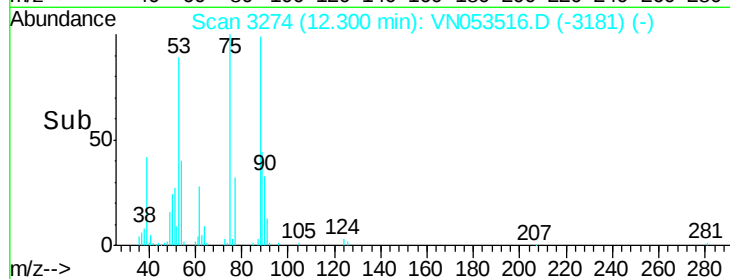
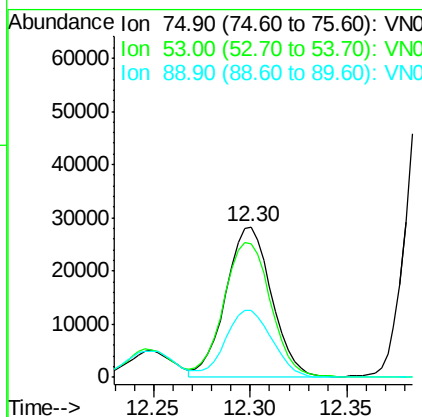
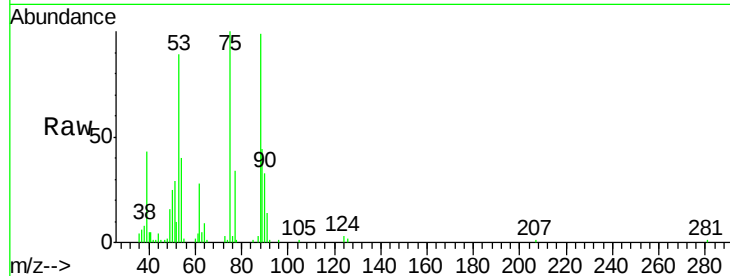




#81
trans-1,4-Dichloro-2-butene
Concen: 20.167 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN053516.D
Acq: 22 Jan 2019 13:50

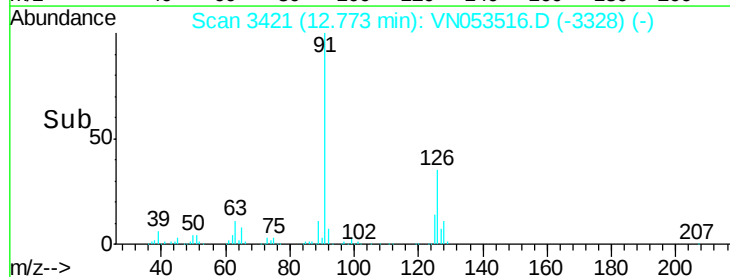
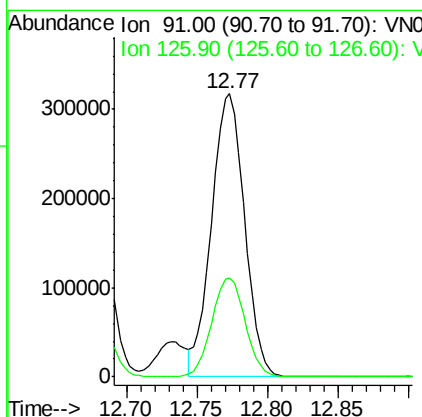
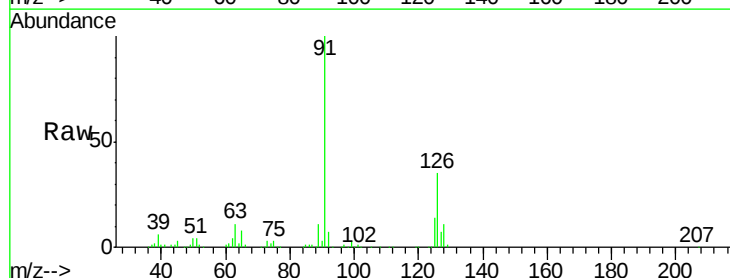
Instrument :
MSVOA_N
ClientSampleId :
VN0122WBSD01

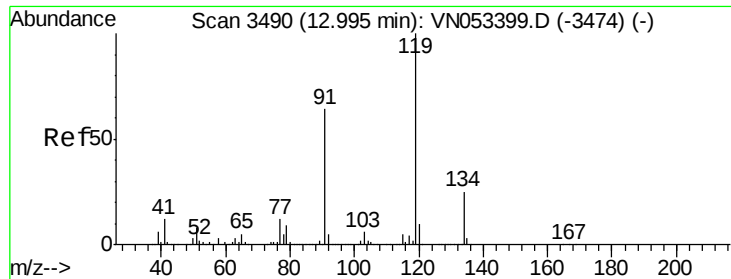
Tot Ion: 75 Resp: 46673
Ion Ratio Lower Upper
75 100
53 92.1 69.8 104.6
89 45.2 35.6 53.4



#82
4-Chlorotoluene
Concen: 21.064 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN053516.D
Acq: 22 Jan 2019 13:50

Tgt Ion: 91 Resp: 516480
Ion Ratio Lower Upper
91 100
126 35.3 17.6 52.9

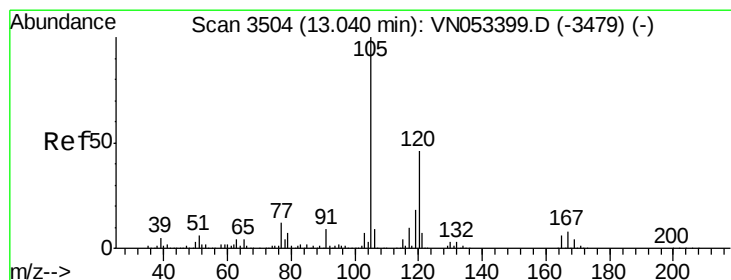
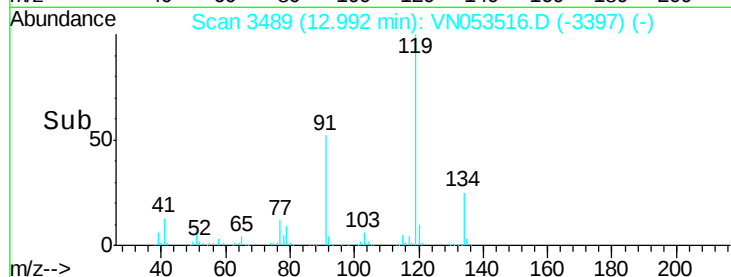
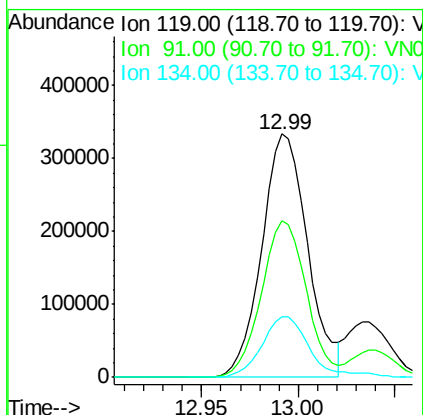
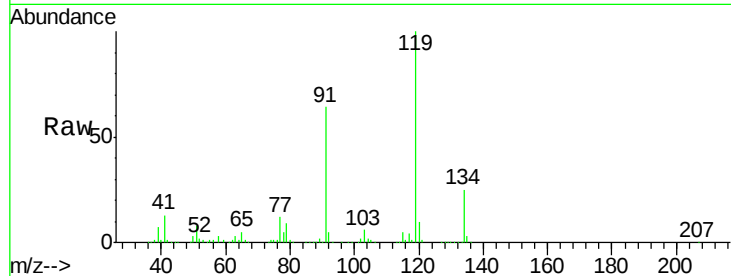




#83
 tert-Butylbenzene
 Concen: 21.693 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. -0.00 min
 Lab File: VN053516.D
 Acq: 22 Jan 2019 13:50

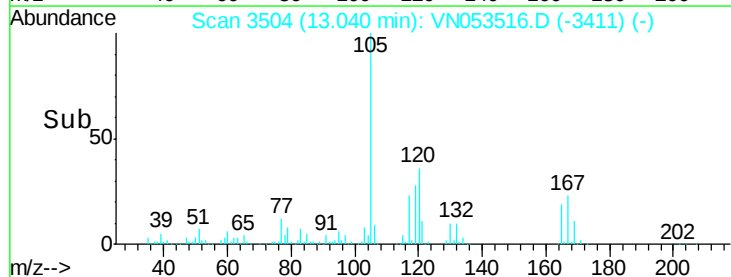
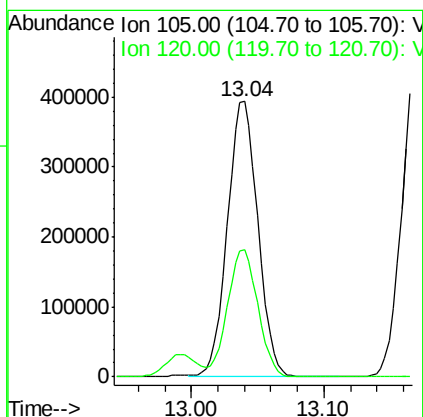
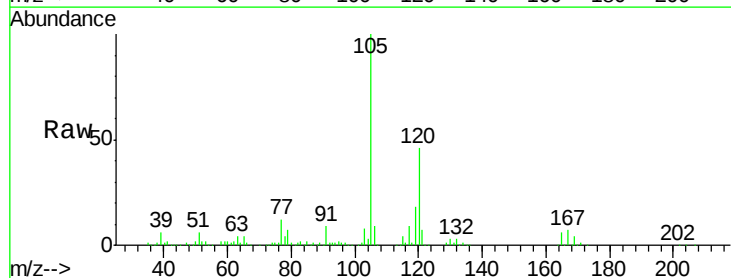
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0122WBSD01

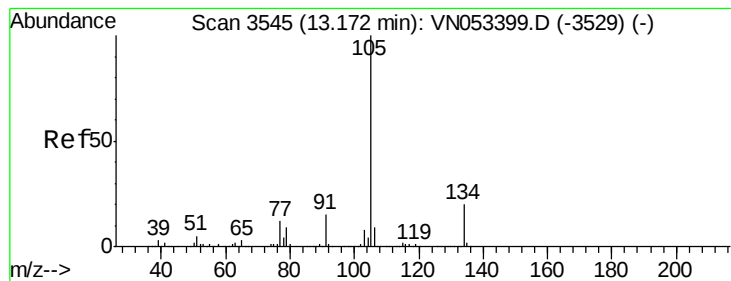
Tot Ion:119 Resp: 550885
 Ion Ratio Lower Upper
 119 100
 91 62.8 31.3 93.8
 134 25.9 12.9 38.7



#84
 1,2,4-Trimethylbenzene
 Concen: 21.608 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN053516.D
 Acq: 22 Jan 2019 13:50

Tgt Ion:105 Resp: 626424
 Ion Ratio Lower Upper
 105 100
 120 46.2 23.0 69.0





#85

sec-Butylbenzene

Concen: 21.329 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053516.D

Acq: 22 Jan 2019 13:50

Instrument :

MSVOA_N

ClientSampled :

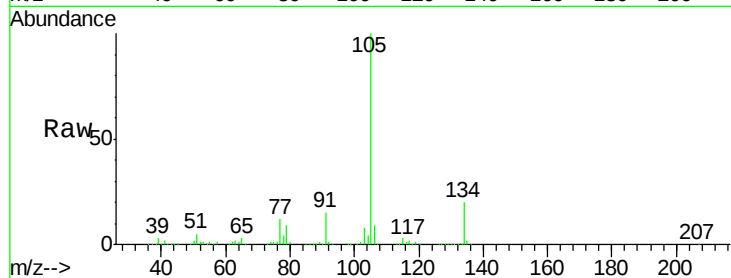
VN0122WBSD01

Tot Ion:105 Resp: 742838

Ion Ratio Lower Upper

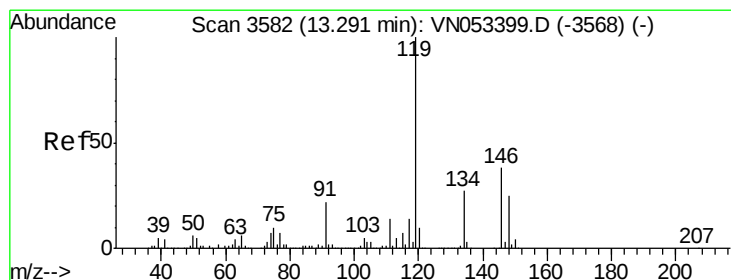
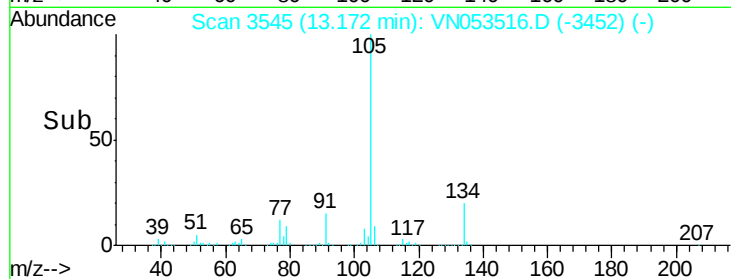
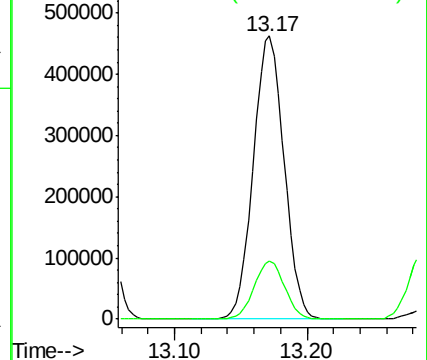
105 100

134 20.4 10.2 30.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.404 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN053516.D

Acq: 22 Jan 2019 13:50

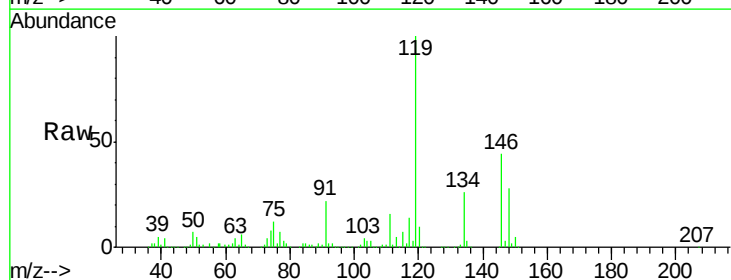
Tgt Ion:119 Resp: 647240

Ion Ratio Lower Upper

119 100

134 26.7 13.5 40.4

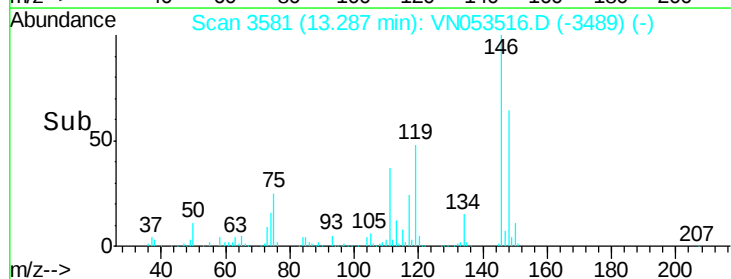
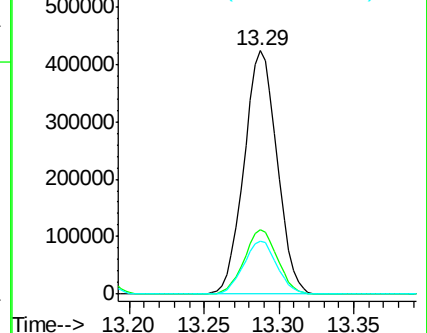
91 22.0 11.0 33.0

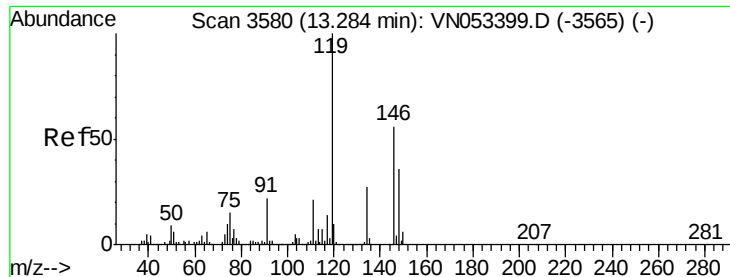


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 21.173 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN053516.D

Acq: 22 Jan 2019 13:50

Instrument :

MSVOA_N

ClientSampleId :

VN0122WBSD01

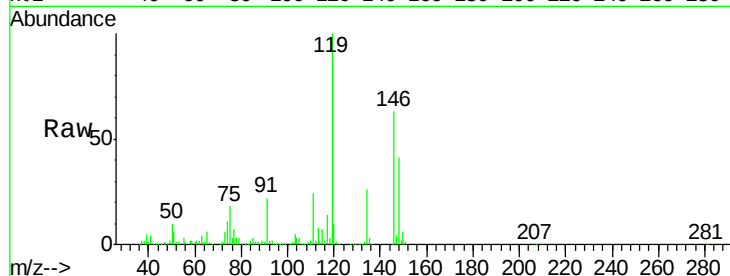
Tot Ion:146 Resp: 346807

Ion Ratio Lower Upper

146 100

111 37.8 18.8 56.3

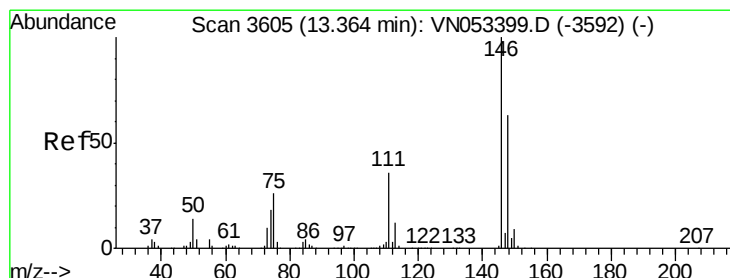
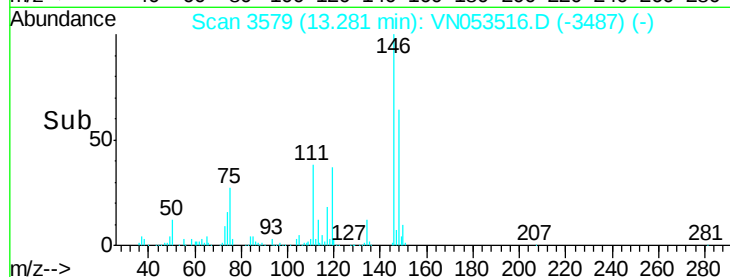
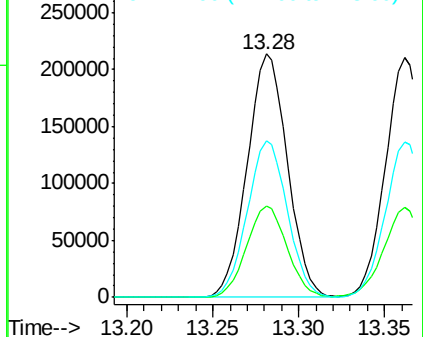
148 64.1 32.0 96.2



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 20.750 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. -0.00 min

Lab File: VN053516.D

Acq: 22 Jan 2019 13:50

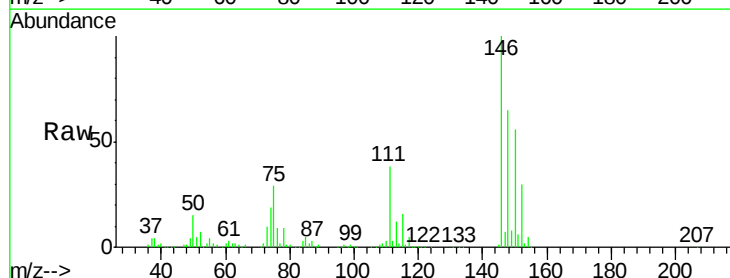
Tgt Ion:146 Resp: 340926

Ion Ratio Lower Upper

146 100

111 38.2 18.6 55.8

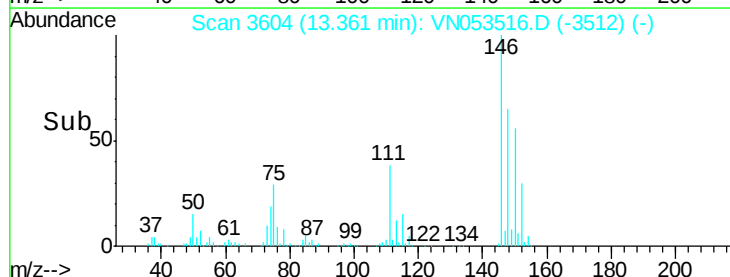
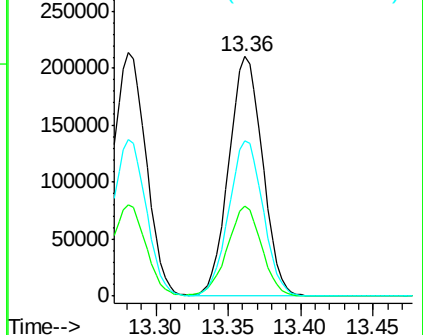
148 65.8 32.4 97.0

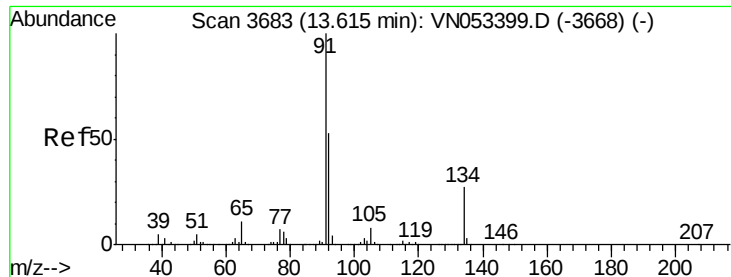


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 20.828 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN053516.D

Acq: 22 Jan 2019 13:50

Instrument :

MSVOA_N

ClientSampled :

VN0122WBSD01

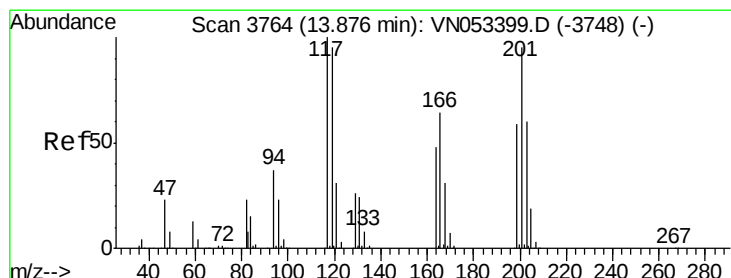
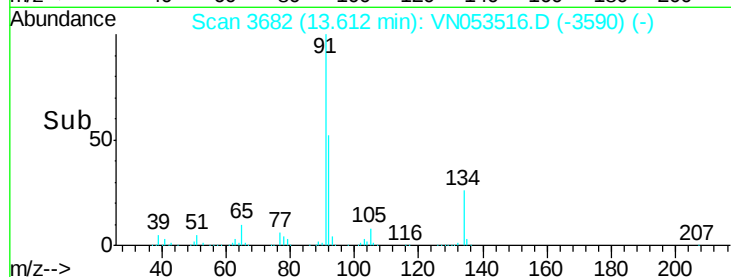
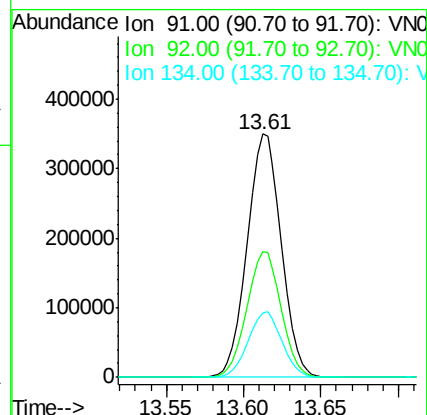
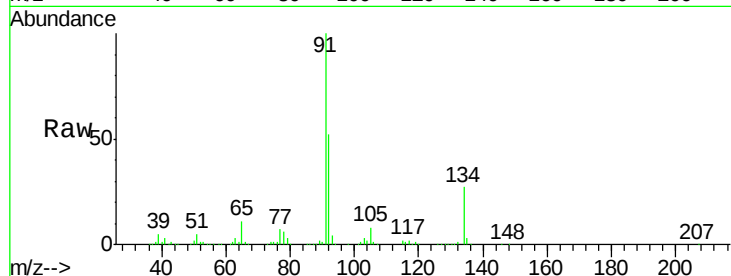
Tot Ion: 91 Resp: 536883

Ion Ratio Lower Upper

91 100

92 51.7 26.3 78.8

134 26.7 13.5 40.5



#90

Hexachloroethane

Concen: 21.303 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN053516.D

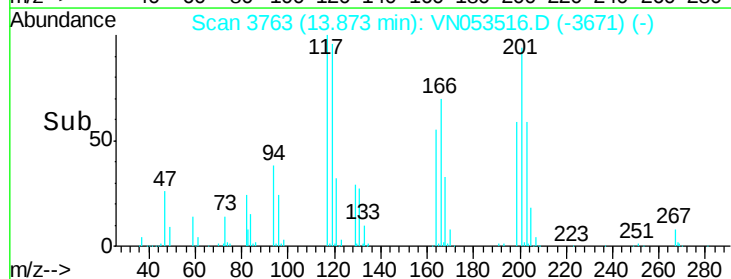
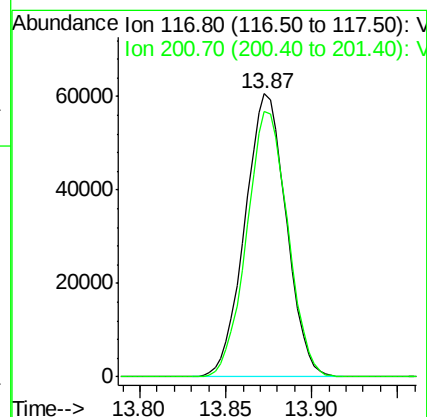
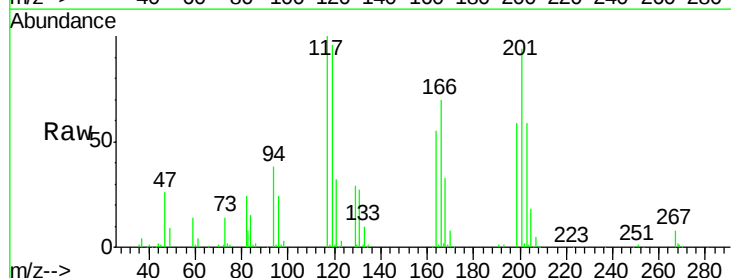
Acq: 22 Jan 2019 13:50

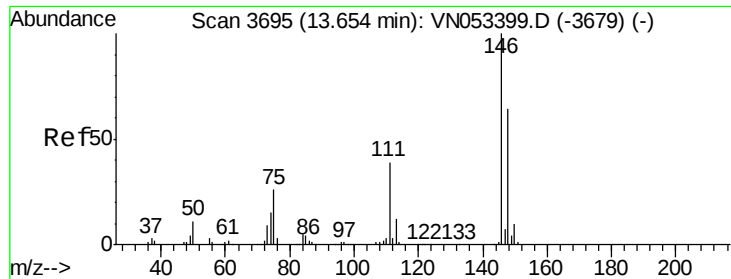
Tgt Ion: 117 Resp: 101032

Ion Ratio Lower Upper

117 100

201 93.2 46.8 140.4





#91

1,2-Dichlorobenzene

Concen: 22.539 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN053516.D

Acq: 22 Jan 2019 13:50

Instrument :

MSVOA_N

ClientSampled :

VN0122WBSD01

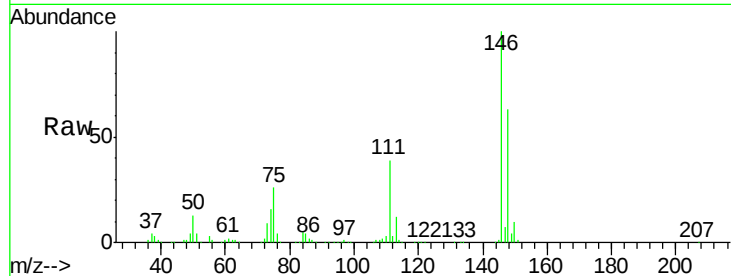
Tot Ion:146 Resp: 339649

Ion Ratio Lower Upper

146 100

111 39.1 19.5 58.5

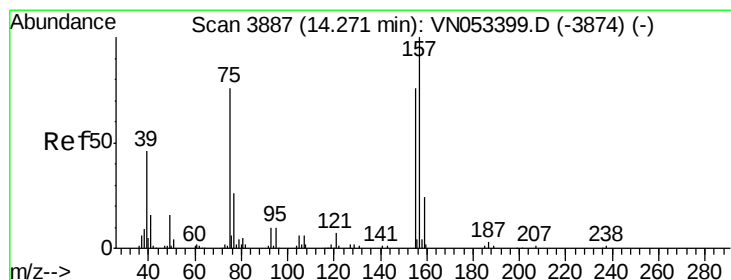
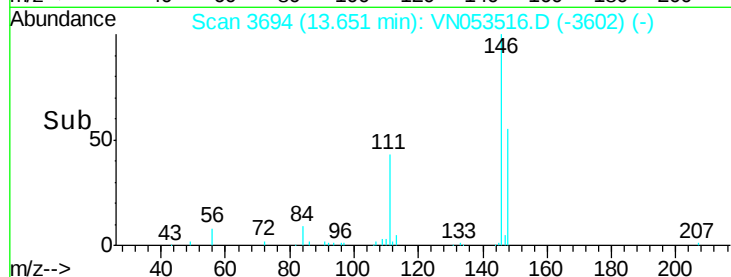
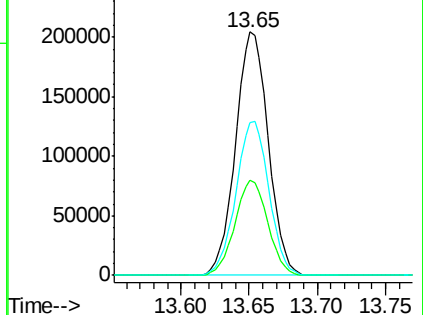
148 63.7 31.9 95.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 25.340 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN053516.D

Acq: 22 Jan 2019 13:50

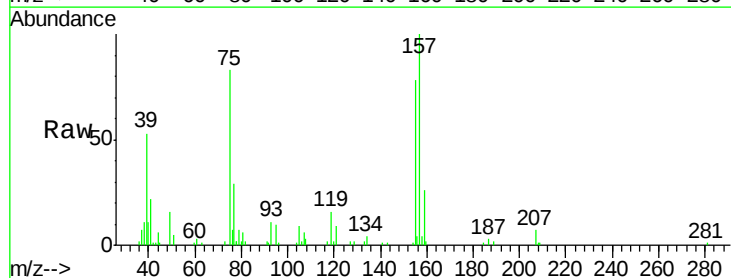
Tgt Ion: 75 Resp: 23813

Ion Ratio Lower Upper

75 100

155 97.0 48.9 146.7

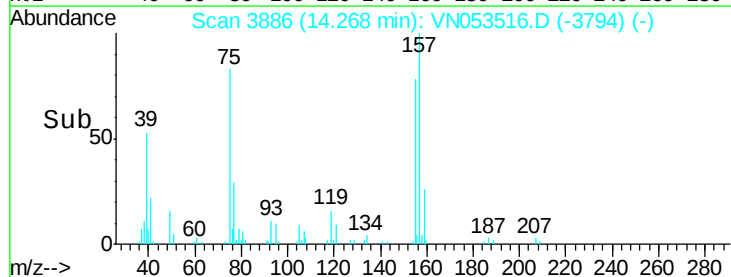
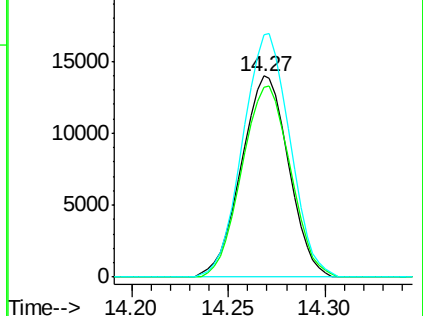
157 120.7 63.7 191.3

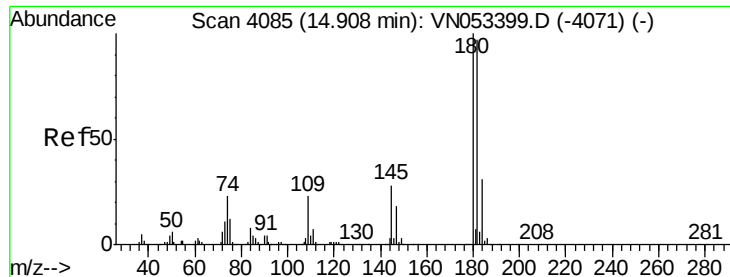


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

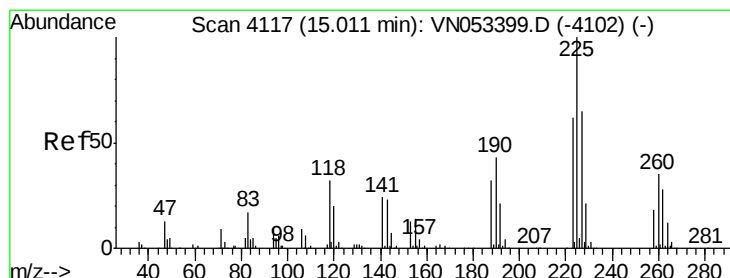
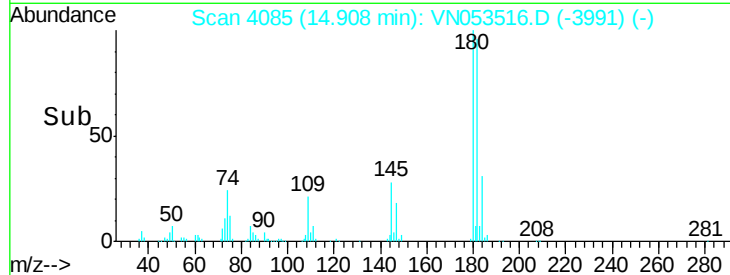
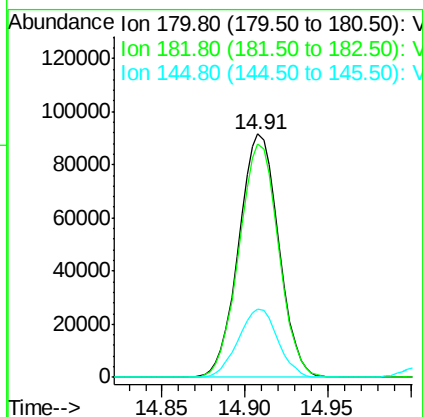
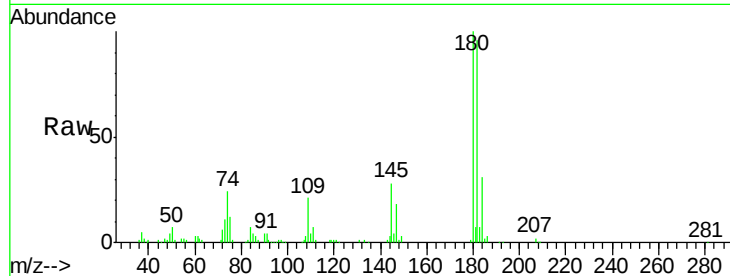




#93
 1,2,4-Trichlorobenzene
 Concen: 24.489 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN053516.D
 Acq: 22 Jan 2019 13:50

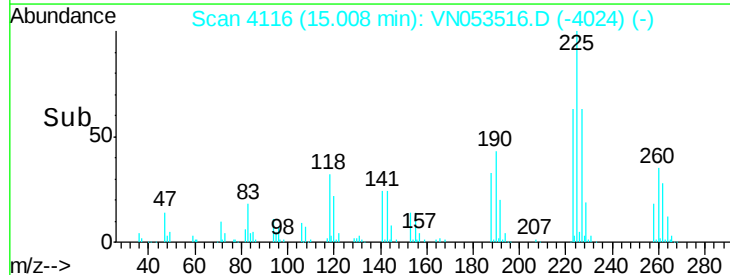
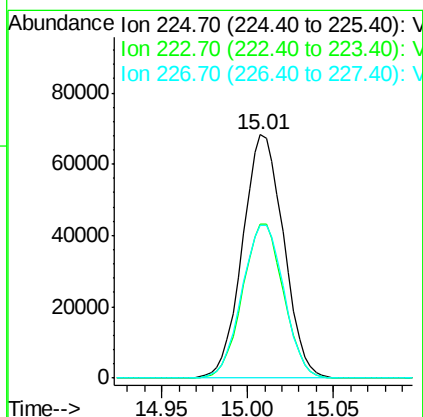
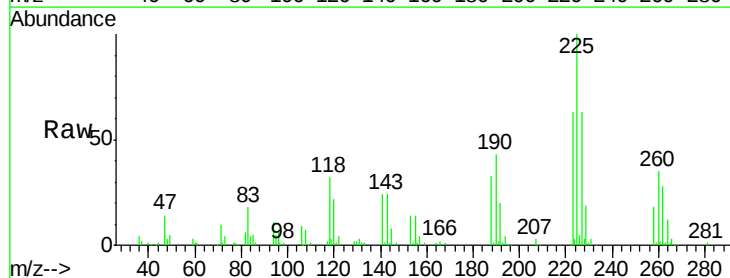
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0122WBSD01

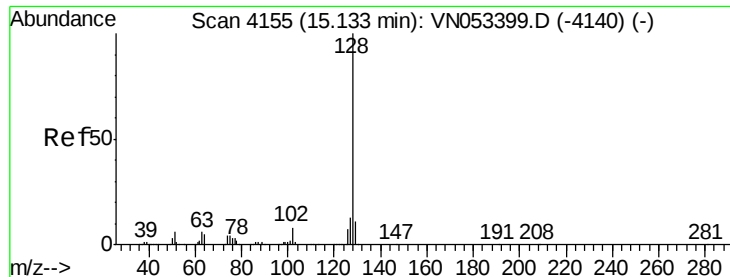
Tot Ion:180 Resp: 152890
 Ion Ratio Lower Upper
 180 100
 182 95.5 48.1 144.3
 145 27.9 13.9 41.6



#94
 Hexachlorobutadiene
 Concen: 24.061 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN053516.D
 Acq: 22 Jan 2019 13:50

Tgt Ion:225 Resp: 113105
 Ion Ratio Lower Upper
 225 100
 223 62.8 31.1 93.2
 227 64.4 32.0 96.2





#95

Naphthalene

Concen: 23.662 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN053516.D

Acq: 22 Jan 2019 13:50

Instrument :

MSVOA_N

ClientSampleId :

VN0122WBSD01

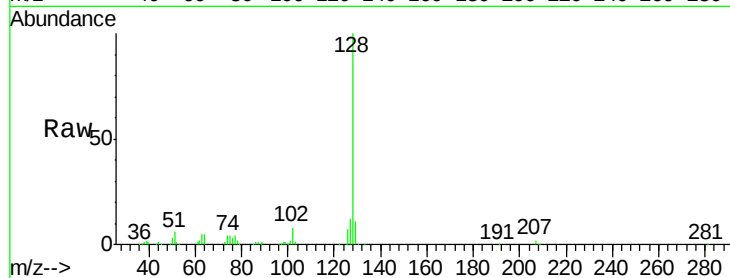
Tot Ion:128 Resp: 249750

Ion Ratio Lower Upper

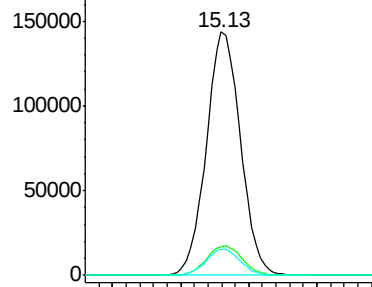
128 100

127 12.6 10.3 15.5

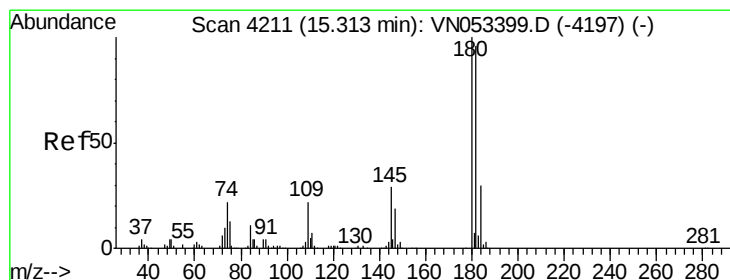
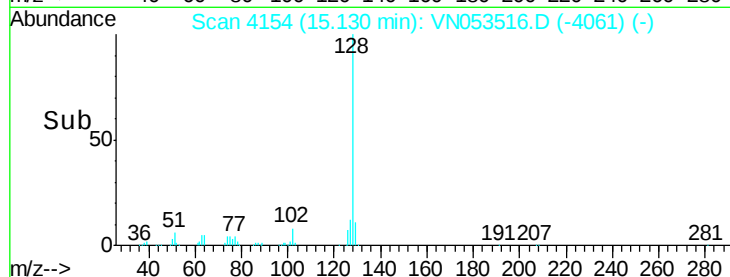
129 10.7 8.6 13.0



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



Time-->



#96

1,2,3-Trichlorobenzene

Concen: 25.613 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN053516.D

Acq: 22 Jan 2019 13:50

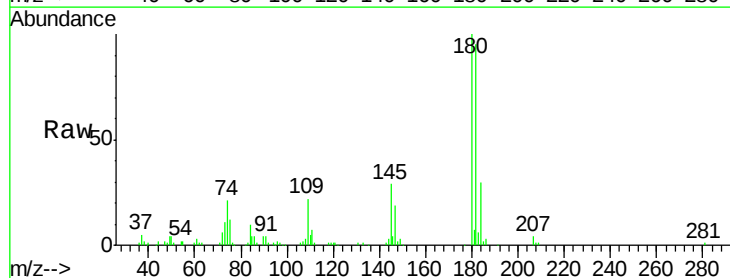
Tgt Ion:180 Resp: 114561

Ion Ratio Lower Upper

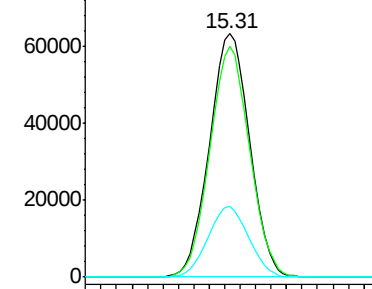
180 100

182 93.7 47.9 143.8

145 29.2 14.7 44.1



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V



Time-->

