

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012219\
 Data File : VN053512.D
 Acq On : 22 Jan 2019 12:04
 Operator : JC/SP
 Sample : VN0122MBS01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 6 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0122MBS01

Quant Time: Jan 23 02:52:14 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	721955	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1061963	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	950246	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	466723	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.02	65	363625	50.96	ug/l	0.00
Spiked Amount			Recovery	=	101.92%	
35) Dibromofluoromethane	7.59	113	330031	54.45	ug/l	0.00
Spiked Amount			Recovery	=	108.90%	
50) Toluene-d8	10.09	98	1318126	51.43	ug/l	0.00
Spiked Amount			Recovery	=	102.86%	
62) 4-Bromofluorobenzene	12.40	95	448699	49.92	ug/l	0.00
Spiked Amount			Recovery	=	99.84%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	120018	20.677	ug/l	98
3) Chloromethane	2.06	50	159220	19.185	ug/l	99
4) Vinyl Chloride	2.19	62	162429	20.304	ug/l	99
5) Bromomethane	2.57	94	116212	21.172	ug/l	97
6) Chloroethane	2.71	64	102462	21.184	ug/l	98
7) Trichlorofluoromethane	3.03	101	226356	21.632	ug/l	99
8) Diethyl Ether	3.41	74	84613	21.530	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.76	101	144727	21.839	ug/l	98
10) Methyl Iodide	3.96	142	206996	20.440	ug/l	100
11) Tert butyl alcohol	4.77	59	40852	116.997	ug/l #	90
12) 1,1-Dichloroethene	3.74	96	135431	21.070	ug/l	97
13) Acrolein	3.61	56	61885	105.305	ug/l	99
14) Allyl chloride	4.33	41	228747	21.909	ug/l	100
15) Acrylonitrile	4.98	53	244327	106.325	ug/l	99
16) Acetone	3.81	43	173948	103.900	ug/l	100
17) Carbon Disulfide	4.06	76	375225	19.304	ug/l	100
18) Methyl Acetate	4.32	43	121895	21.610	ug/l	99
19) Methyl tert-butyl Ether	5.04	73	377587	22.109	ug/l	98
20) Methylene Chloride	4.55	84	158577	20.746	ug/l	99
21) trans-1,2-Dichloroethene	5.05	96	148566	21.619	ug/l	99
22) Diisopropyl ether	5.95	45	483233	22.171	ug/l	98
23) Vinyl Acetate	5.90	43	1460239	108.988	ug/l	99
24) 1,1-Dichloroethane	5.85	63	284648	22.092	ug/l	100
25) 2-Butanone	6.83	43	273693	106.085	ug/l	99
26) 2,2-Dichloropropane	6.83	77	211200	21.710	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	172456	21.946	ug/l	100
28) Bromochloromethane	7.19	49	108510	19.116	ug/l	96
29) Tetrahydrofuran	7.21	42	179622	106.946	ug/l	99
30) Chloroform	7.37	83	278024	22.147	ug/l	100
31) Cyclohexane	7.65	56	264015	20.925	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	233645	21.940	ug/l	100
36) 1,1-Dichloropropene	7.79	75	215325	22.264	ug/l	99
37) Ethyl Acetate	6.92	43	120470	21.651	ug/l	99
38) Carbon Tetrachloride	7.77	117	203064	22.178	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012219\
 Data File : VN053512.D
 Acq On : 22 Jan 2019 12:04
 Operator : JC/SP
 Sample : VN0122MBS01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 6 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0122MBS01

Quant Time: Jan 23 02:52:14 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)
39) Methylcyclohexane	9.08	83	258664	21.639	ug/l	99
40) Benzene	8.04	78	649385	22.096	ug/l	100
41) Methacrylonitrile	7.17	41	67814	20.904	ug/l	93
42) 1,2-Dichloroethane	8.12	62	192725	22.509	ug/l	99
43) Isopropyl Acetate	8.16	43	227891	22.777	ug/l	99
44) Trichloroethene	8.83	130	183816	22.553	ug/l	98
45) 1,2-Dichloropropane	9.12	63	176075	22.619	ug/l	99
46) Dibromomethane	9.21	93	96434	21.562	ug/l	97
47) Bromodichloromethane	9.40	83	209692	22.295	ug/l	99
48) Methyl methacrylate	9.20	41	109519	21.200	ug/l	98
49) 1,4-Dioxane	9.20	88	24625	488.092	ug/l	95
51) 4-Methyl-2-Pentanone	9.98	43	596769	109.263	ug/l	100
52) Toluene	10.15	92	402793	22.076	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	205600	21.566	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	251969	22.546	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	139167	22.123	ug/l	98
56) Ethyl methacrylate	10.43	69	173169	20.657	ug/l	98
57) 1,3-Dichloropropane	10.71	76	243585	22.385	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	434581	98.752	ug/l	99
59) 2-Hexanone	10.75	43	406388	105.993	ug/l	99
60) Dibromochloromethane	10.90	129	158180	22.170	ug/l	99
61) 1,2-Dibromoethane	11.00	107	135841	21.352	ug/l	100
64) Tetrachloroethene	10.63	164	207659	23.189	ug/l	98
65) Chlorobenzene	11.43	112	446229	22.186	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	159034	22.728	ug/l	99
67) Ethyl Benzene	11.51	91	750741	21.901	ug/l	100
68) m/p-Xylenes	11.62	106	581475	44.929	ug/l	99
69) o-Xylene	11.95	106	283180	22.518	ug/l	99
70) Styrene	11.96	104	460890	22.582	ug/l	100
71) Bromoform	12.13	173	105324	21.864	ug/l #	98
73) Isopropylbenzene	12.25	105	747902	21.882	ug/l	100
74) N-amyl acetate	12.07	43	189228	20.769	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	147285	20.547	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	206223	33.529	ug/l #	100
77) Bromobenzene	12.53	156	195875	21.749	ug/l	99
78) n-propylbenzene	12.59	91	860458	21.932	ug/l	100
79) 2-Chlorotoluene	12.67	91	502753	21.619	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	626284	22.521	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	45348	20.247	ug/l	95
82) 4-Chlorotoluene	12.77	91	522868	22.048	ug/l	99
83) tert-Butylbenzene	12.99	119	553967	22.555	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	631130	22.509	ug/l	99
85) sec-Butylbenzene	13.17	105	748447	22.219	ug/l	100
86) p-Isopropyltoluene	13.29	119	654602	22.381	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	346749	21.888	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	341447	21.487	ug/l	99
89) n-Butylbenzene	13.61	91	546649	21.927	ug/l	100
90) Hexachloroethane	13.87	117	100725	21.959	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	336019	23.055	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	21606	23.772	ug/l	99

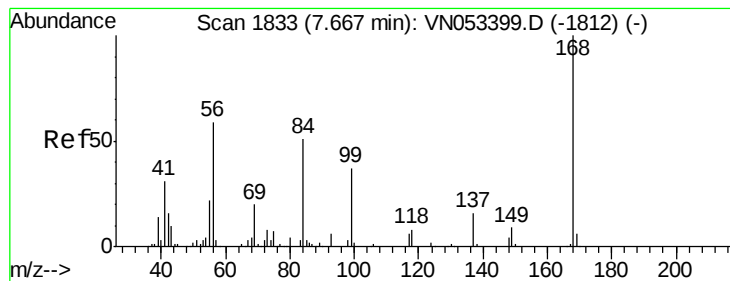
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN012219\
Data File : VN053512.D
Acq On : 22 Jan 2019 12:04
Operator : JC/SP
Sample : VN0122MBS01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 6 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
VN0122MBS01

Quant Time: Jan 23 02:52:14 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)
93) 1,2,4-Trichlorobenzene	14.91	180	152079	25.107	ug/l	100
94) Hexachlorobutadiene	15.01	225	115211	25.340	ug/l	98
95) Naphthalene	15.13	128	238481	23.411	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	109882	25.433	ug/l	100

(#) = 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: VN053512.D

Acq: 22 Jan 2019 12:04

Instrument :

MSVOA_N

ClientSampleId :

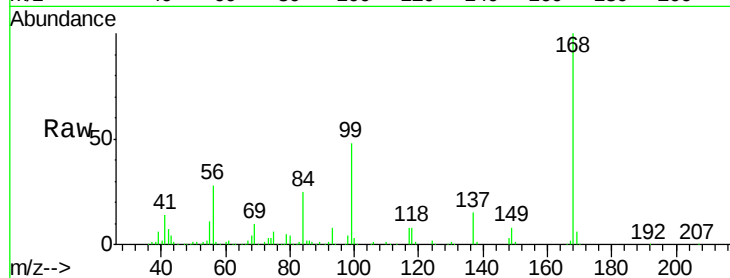
VN0122MBS01

Tot Ion:168 Resp: 721955

Ion Ratio Lower Upper

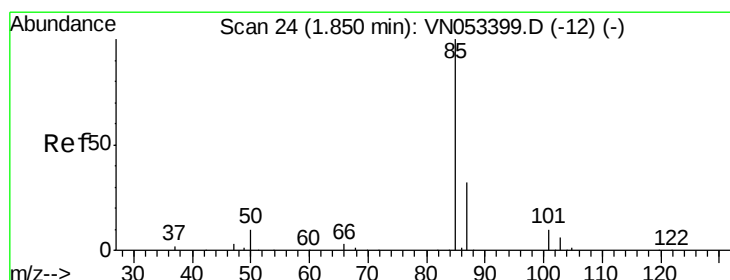
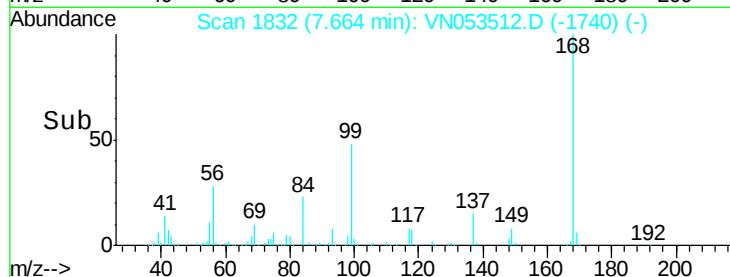
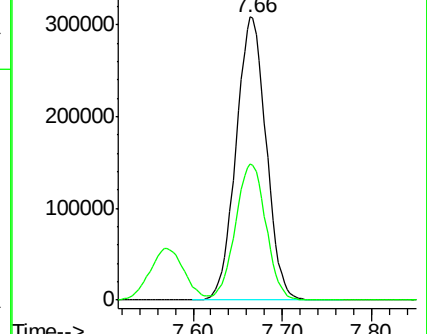
168 100

99 48.0 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 20.677 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053512.D

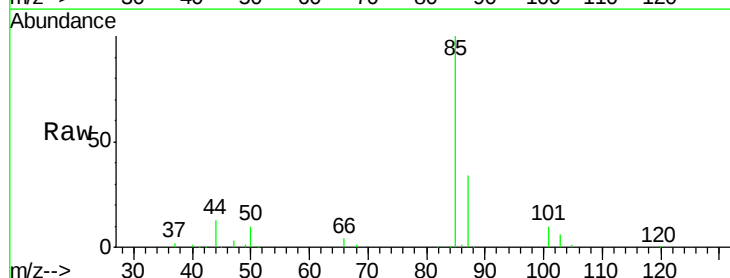
Acq: 22 Jan 2019 12:04

Tgt Ion: 85 Resp: 120018

Ion Ratio Lower Upper

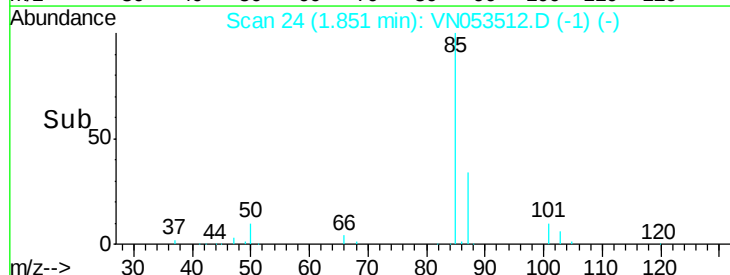
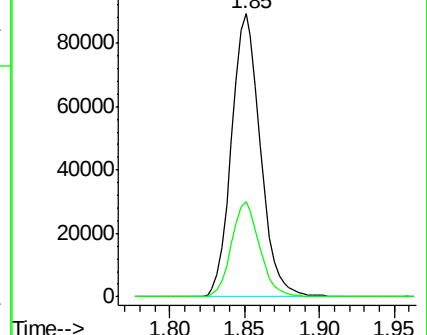
85 100

87 33.5 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 19.185 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN053512.D

Acq: 22 Jan 2019 12:04

Instrument :

MSVOA_N

ClientSampleId :

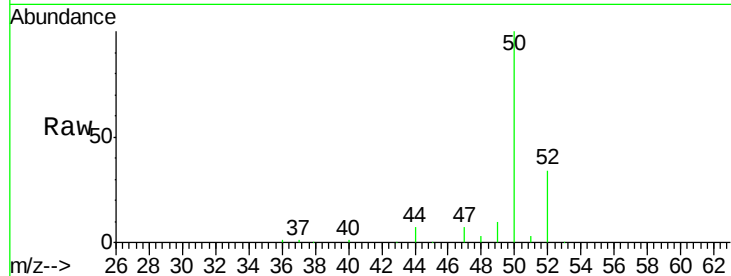
VN0122MBS01

Tot Ion: 50 Resp: 159220

Ion Ratio Lower Upper

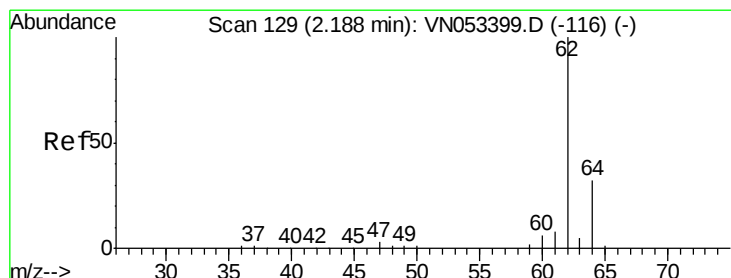
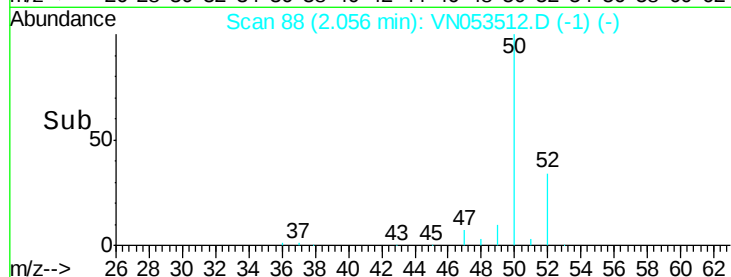
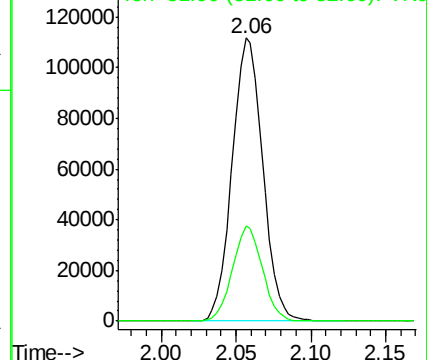
50 100

52 33.7 26.6 40.0



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 20.304 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN053512.D

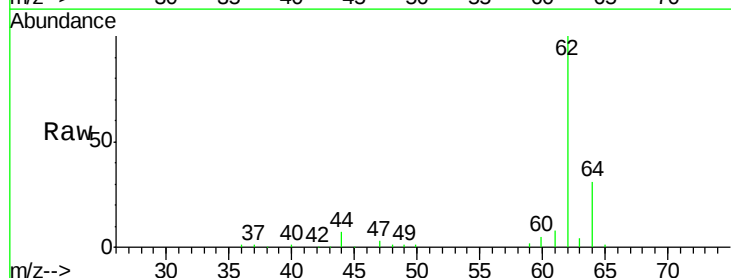
Acq: 22 Jan 2019 12:04

Tgt Ion: 62 Resp: 162429

Ion Ratio Lower Upper

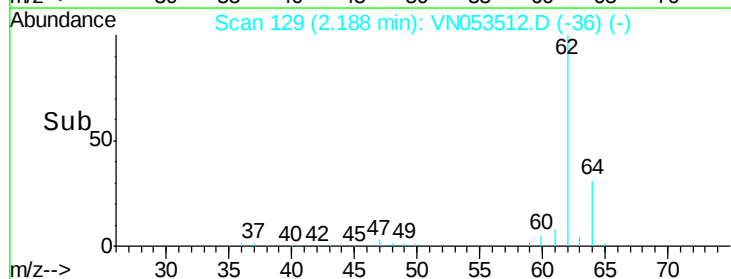
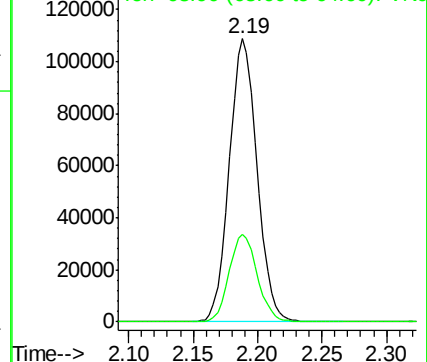
62 100

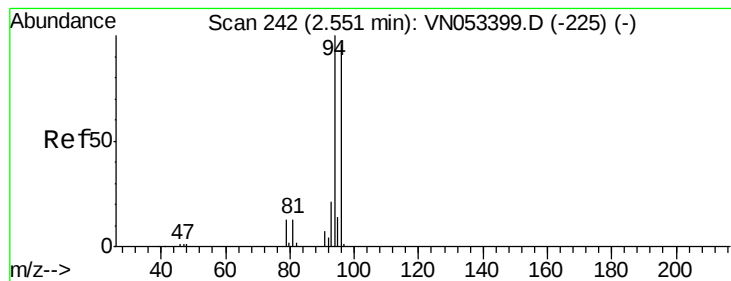
64 31.0 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 21.172 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.02 min

Lab File: VN053512.D

Acq: 22 Jan 2019 12:04

Instrument :

MSVOA_N

ClientSampleId :

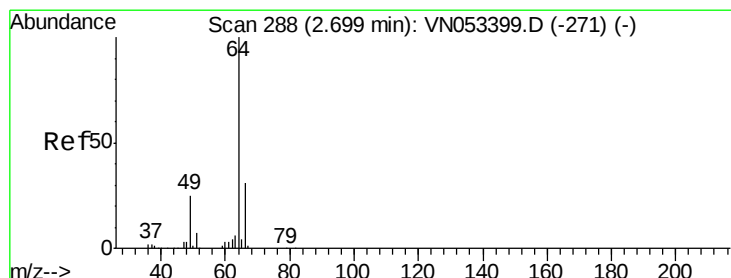
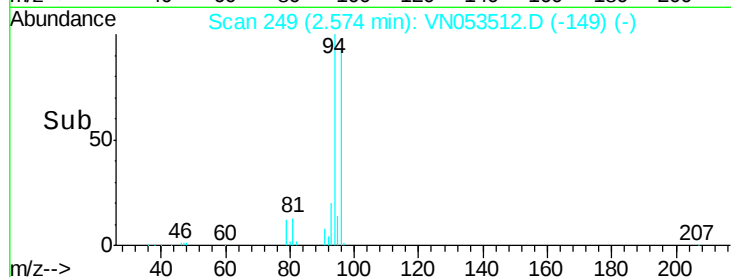
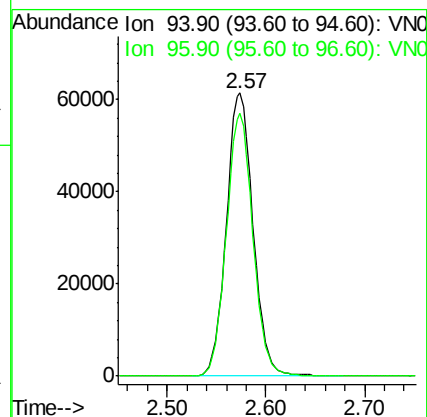
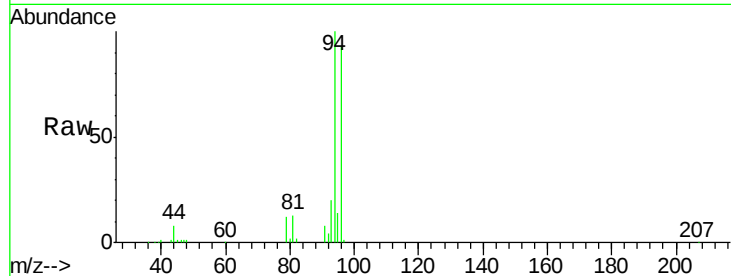
VN0122MBS01

Tot Ion: 94 Resp: 116212

Ion Ratio Lower Upper

94 100

96 92.7 76.8 115.2



#6

Chloroethane

Concen: 21.184 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.01 min

Lab File: VN053512.D

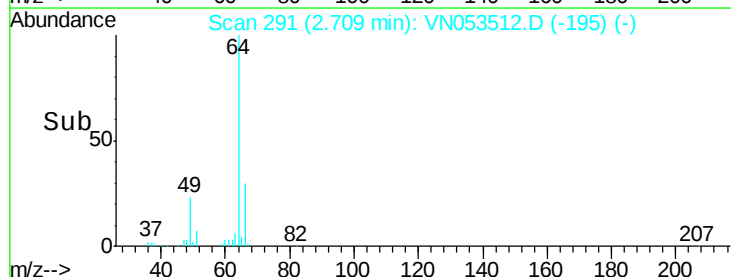
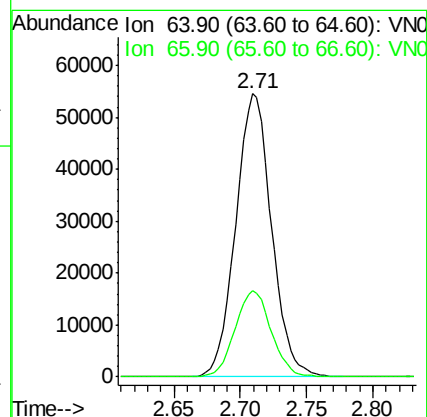
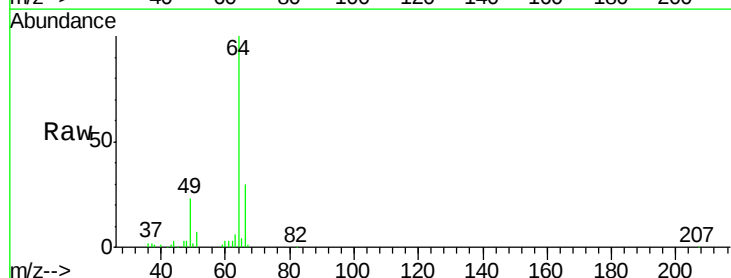
Acq: 22 Jan 2019 12:04

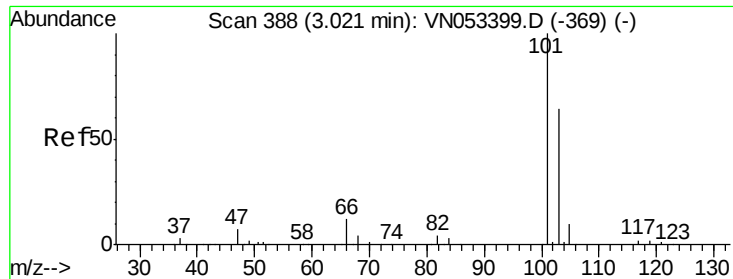
Tgt Ion: 64 Resp: 102462

Ion Ratio Lower Upper

64 100

66 30.4 25.1 37.7



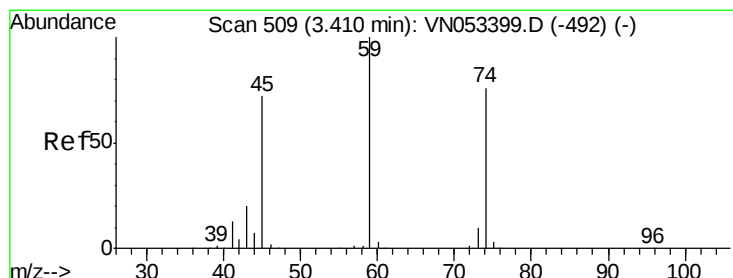
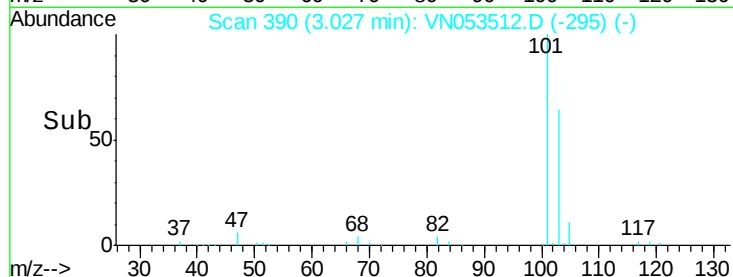
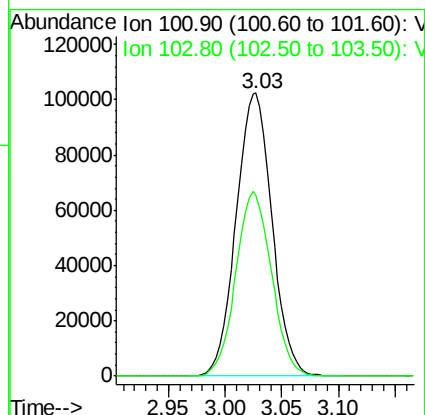
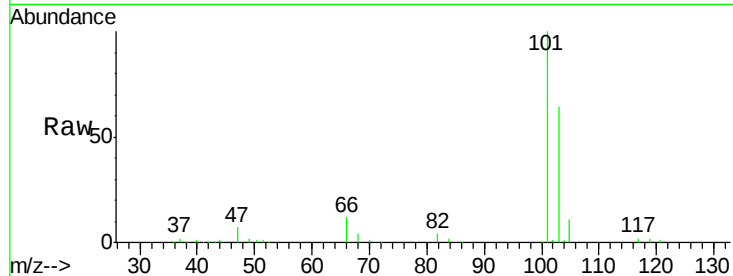


#7

Trichlorofluoromethane
Concen: 21.632 ug/l
RT: 3.03 min Scan# 390
Delta R.T. 0.01 min
Lab File: VN053512.D
Acq: 22 Jan 2019 12:04

Instrument :
MSVOA_N
ClientSampleId :
VN0122MBS01

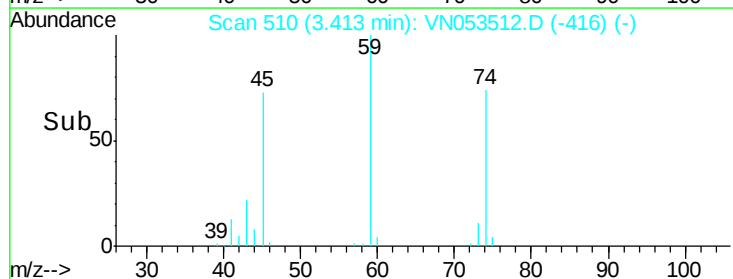
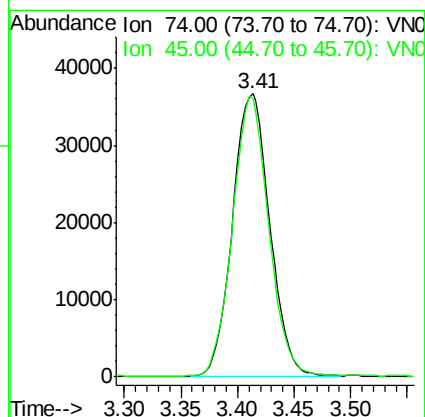
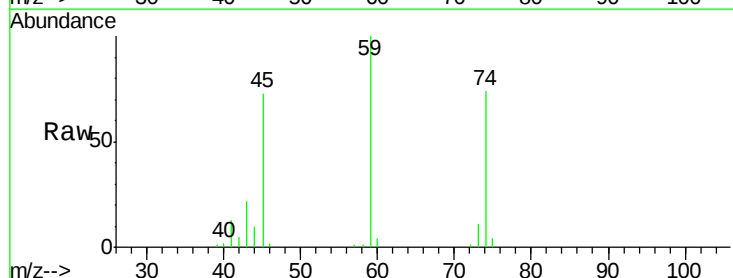
Tot Ion:101 Resp: 226356
Ion Ratio Lower Upper
101 100
103 63.8 51.6 77.4

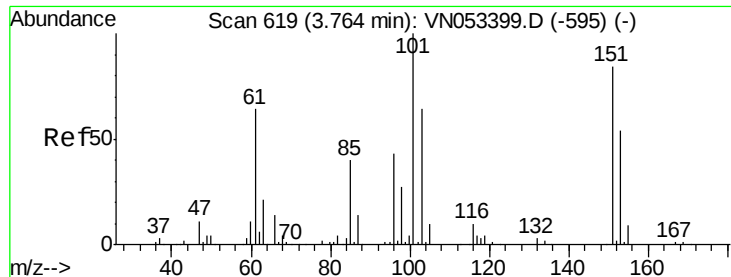


#8

Diethyl Ether
Concen: 21.530 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN053512.D
Acq: 22 Jan 2019 12:04

Tgt Ion: 74 Resp: 84613
Ion Ratio Lower Upper
74 100
45 96.3 47.9 143.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.839 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN053512.D

Acq: 22 Jan 2019 12:04

Instrument :

MSVOA_N

ClientSampleId :

VN0122MBS01

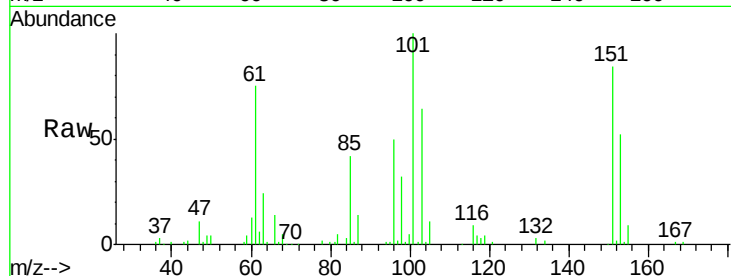
Tot Ion:101 Resp: 144727

Ion Ratio Lower Upper

101 100

85 41.6 32.8 49.2

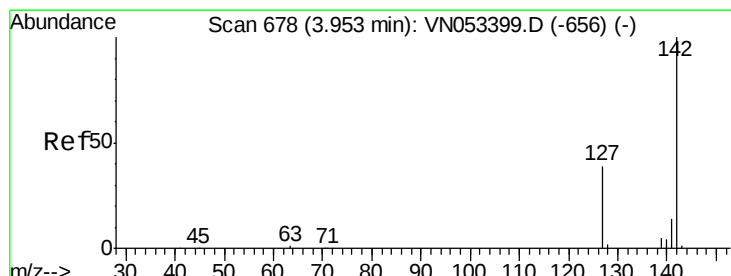
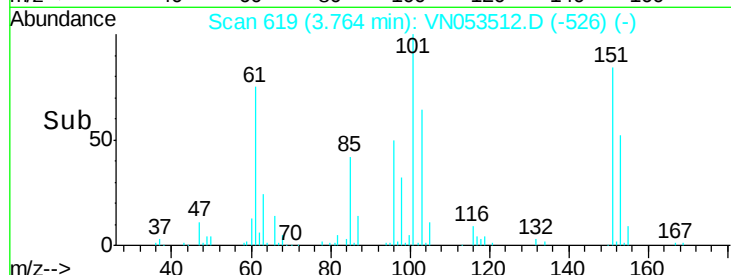
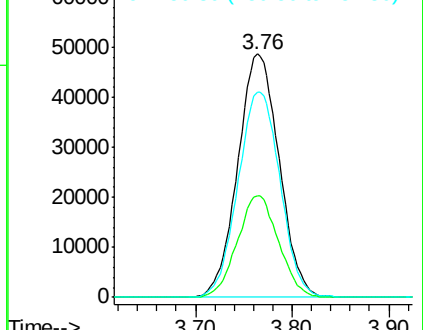
151 85.8 66.9 100.3



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: 20.440 ug/l

RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

Lab File: VN053512.D

Acq: 22 Jan 2019 12:04

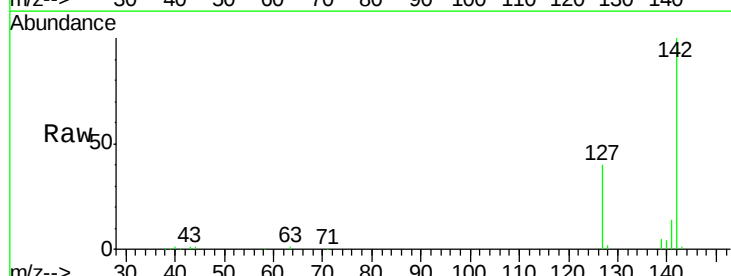
Tgt Ion:142 Resp: 206996

Ion Ratio Lower Upper

142 100

127 38.7 31.0 46.4

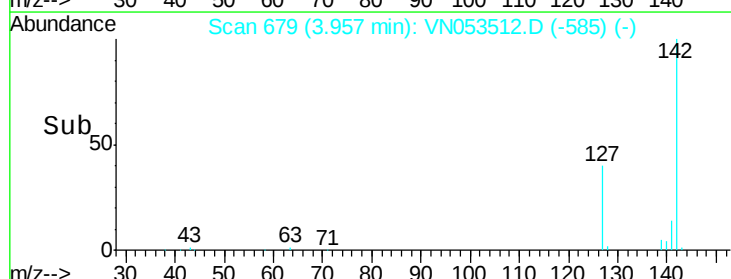
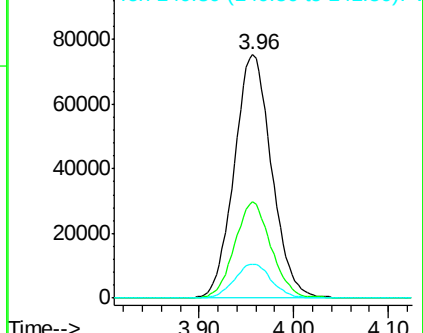
141 13.8 11.1 16.7

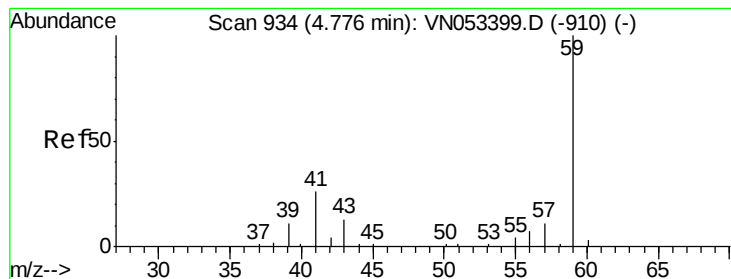


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



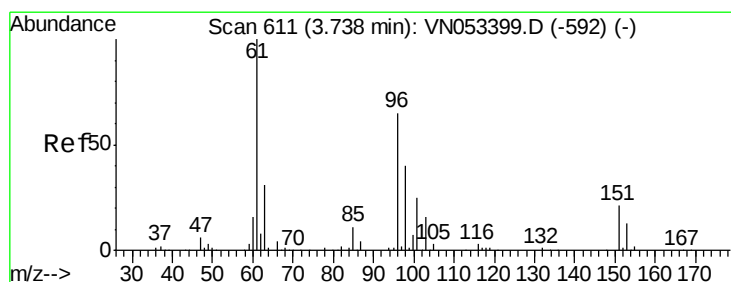
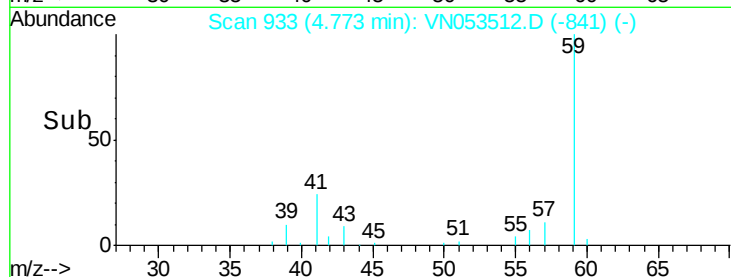
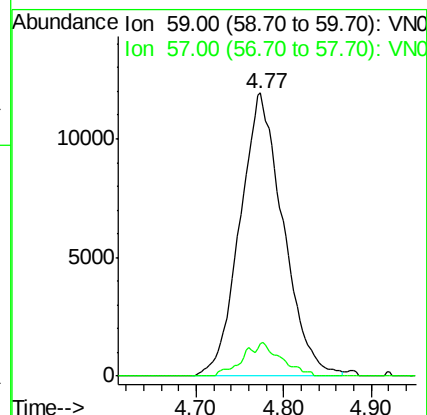
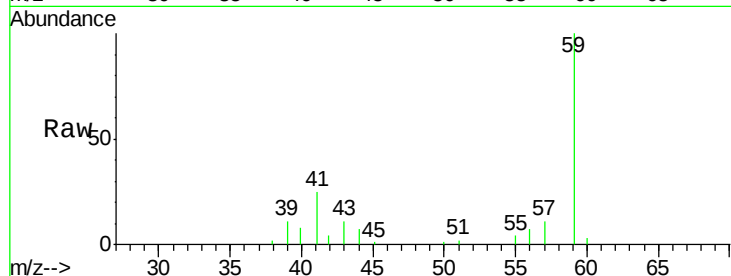


#11

Tert butyl alcohol
Concen: 116.997 ug/l
RT: 4.77 min Scan# 933
Delta R.T. -0.00 min
Lab File: VN053512.D
Acq: 22 Jan 2019 12:04

Instrument :
MSVOA_N
ClientSampled :
VN0122MBS01

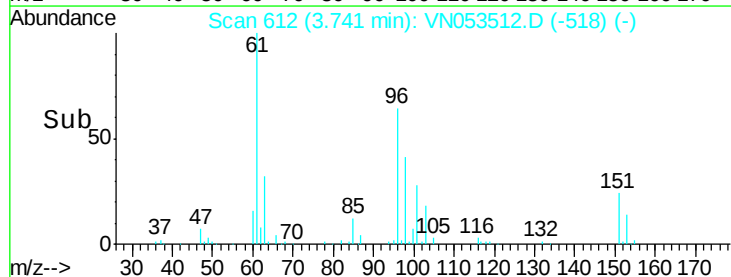
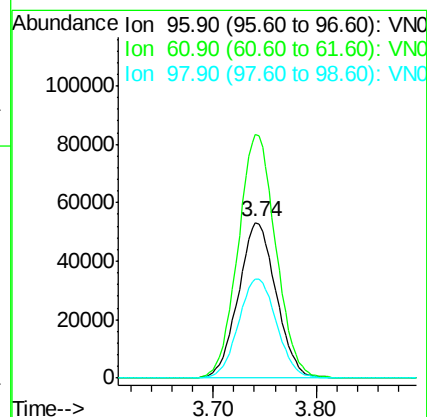
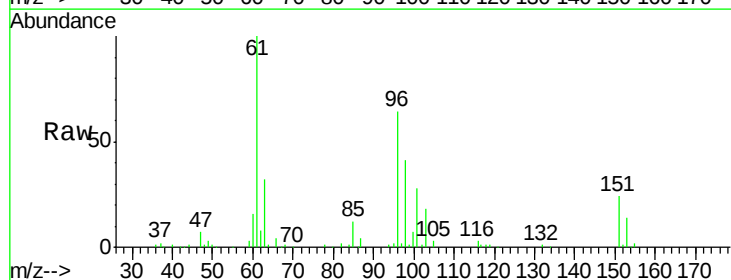
Tot Ion: 59 Resp: 40852
Ion Ratio Lower Upper
59 100
57 6.5 8.2 12.4#

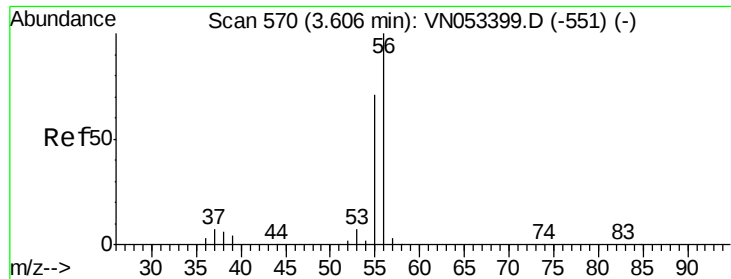


#12

1,1-Dichloroethene
Concen: 21.070 ug/l
RT: 3.74 min Scan# 612
Delta R.T. 0.00 min
Lab File: VN053512.D
Acq: 22 Jan 2019 12:04

Tgt Ion: 96 Resp: 135431
Ion Ratio Lower Upper
96 100
61 156.7 122.9 184.3
98 63.9 49.4 74.0

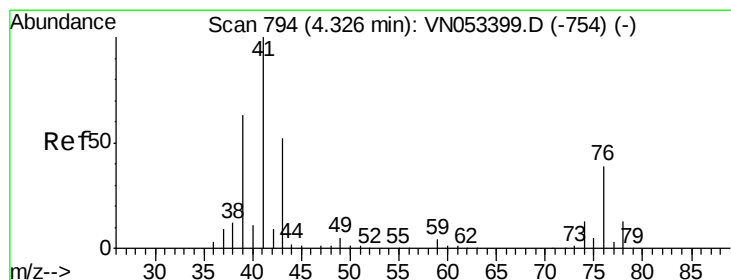
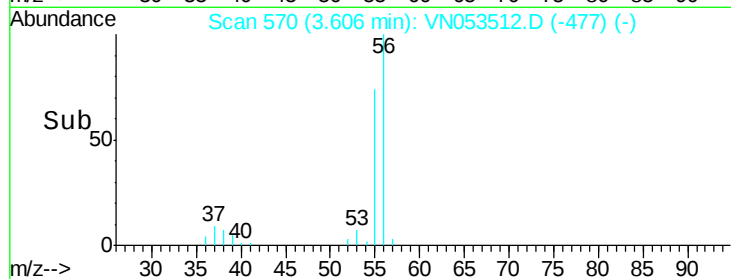
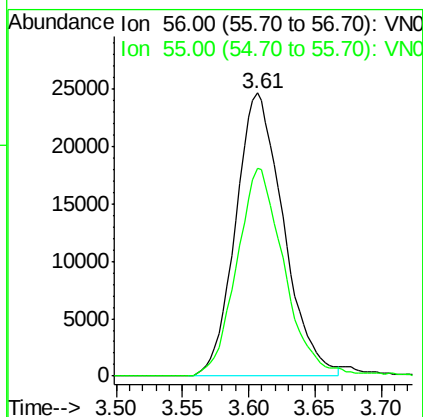
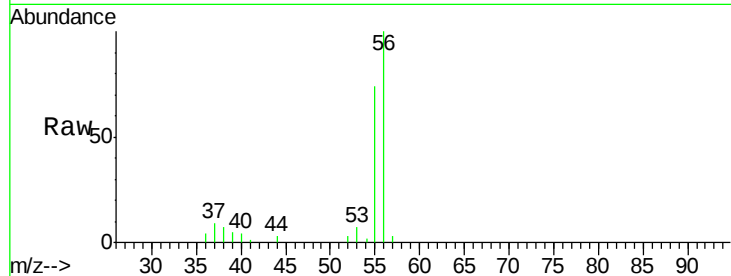




#13
Acrolein
Concen: 105.305 ug/l
RT: 3.61 min Scan# 570
Delta R.T. 0.00 min
Lab File: VN053512.D
Acq: 22 Jan 2019 12:04

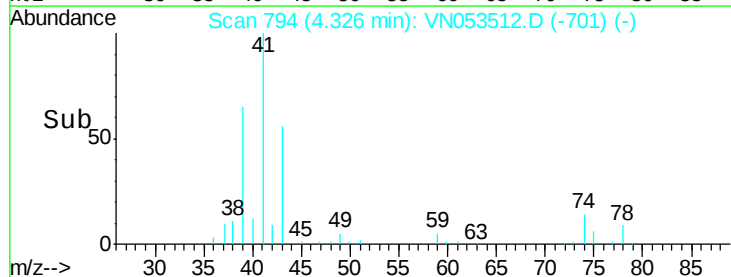
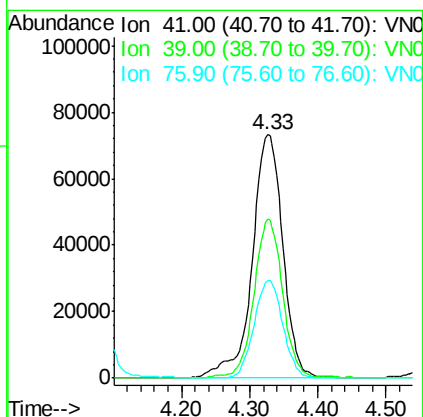
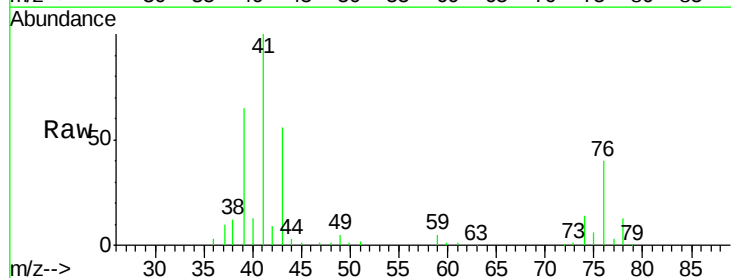
Instrument :
MSVOA_N
ClientSampled :
VN0122MBS01

Tot Ion: 56 Resp: 61885
Ion Ratio Lower Upper
56 100
55 72.7 57.4 86.0



#14
Allyl chloride
Concen: 21.909 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN053512.D
Acq: 22 Jan 2019 12:04

Tgt Ion: 41 Resp: 228747
Ion Ratio Lower Upper
41 100
39 61.0 48.9 73.3
76 36.9 29.4 44.2





#15

Acrylonitrile

Concen: 106.325 ug/l

RT: 4.98 min Scan# 998

Delta R.T. -0.00 min

Lab File: VN053512.D

Acq: 22 Jan 2019 12:04

Instrument :

MSVOA_N

ClientSampleId :

VN0122MBS01

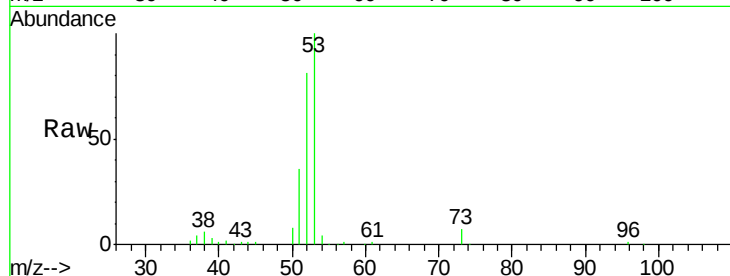
Tot Ion: 53 Resp: 244327

Ion Ratio Lower Upper

53 100

52 83.2 66.0 99.0

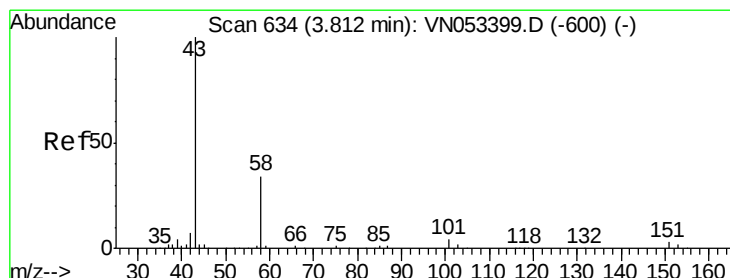
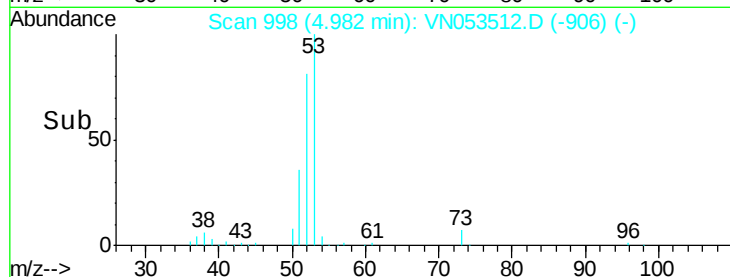
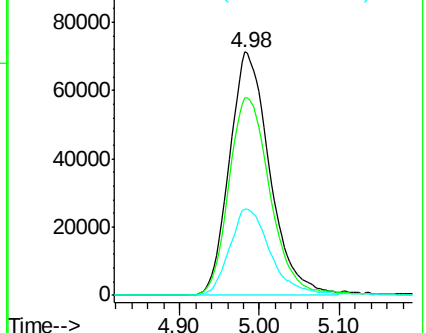
51 35.6 28.3 42.5



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 103.900 ug/l

RT: 3.81 min Scan# 634

Delta R.T. 0.00 min

Lab File: VN053512.D

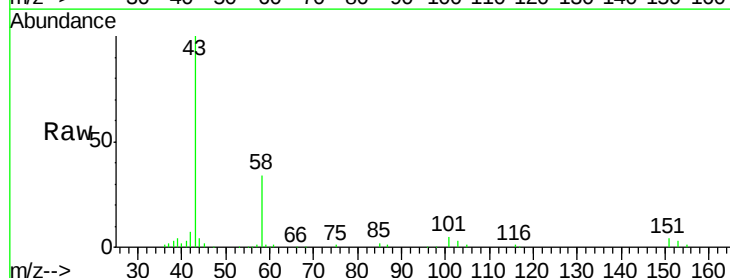
Acq: 22 Jan 2019 12:04

Tgt Ion: 43 Resp: 173948

Ion Ratio Lower Upper

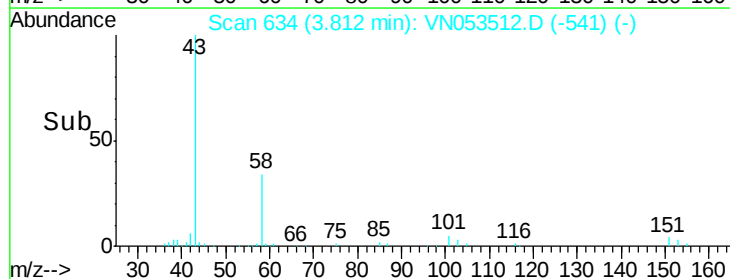
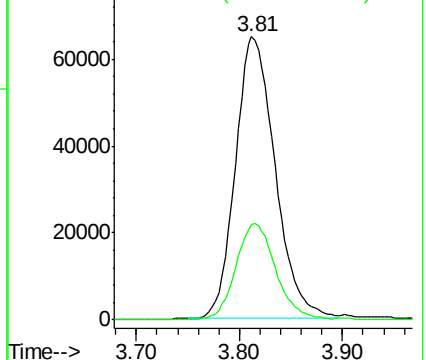
43 100

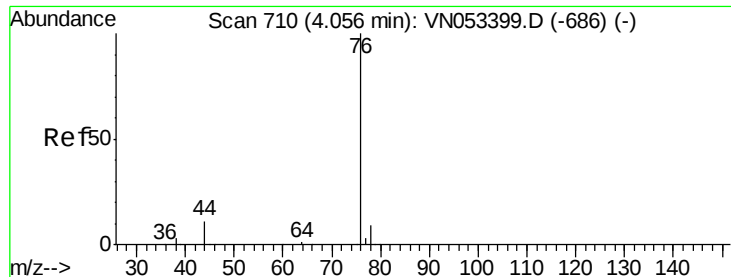
58 33.7 27.1 40.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

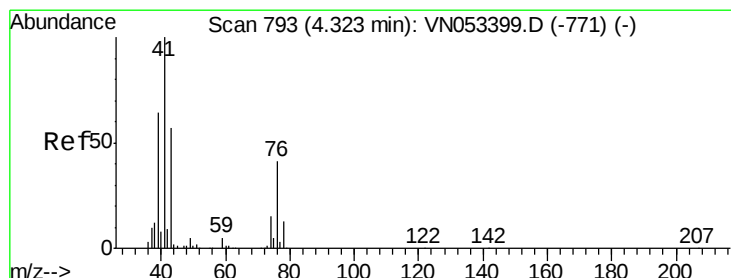
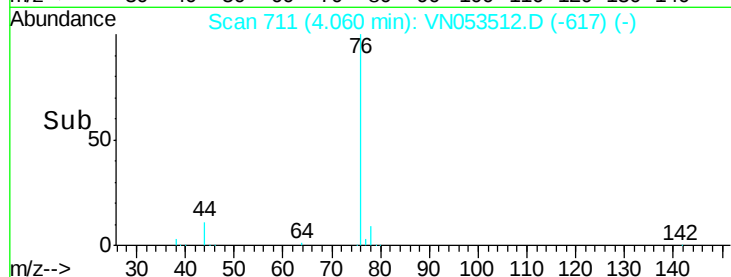
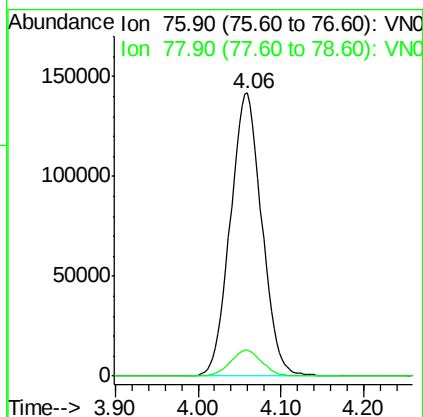
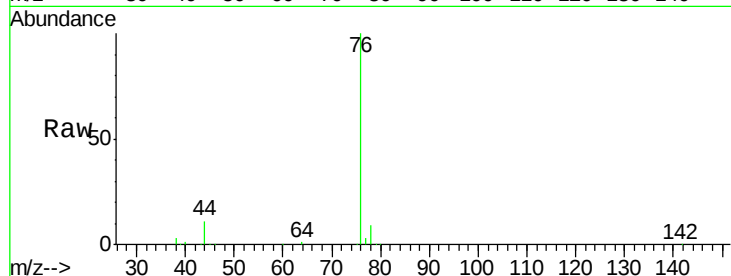




#17
Carbon Disulfide
Concen: 19.304 ug/l
RT: 4.06 min Scan# 711
Delta R.T. 0.00 min
Lab File: VN053512.D
Acq: 22 Jan 2019 12:04

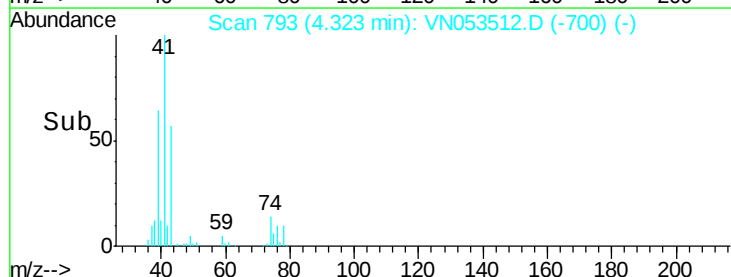
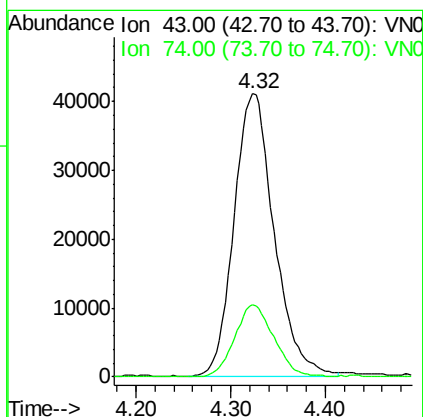
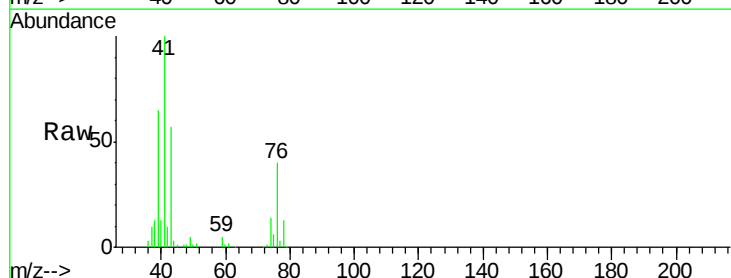
Instrument :
MSVOA_N
ClientSampleId :
VN0122MBS01

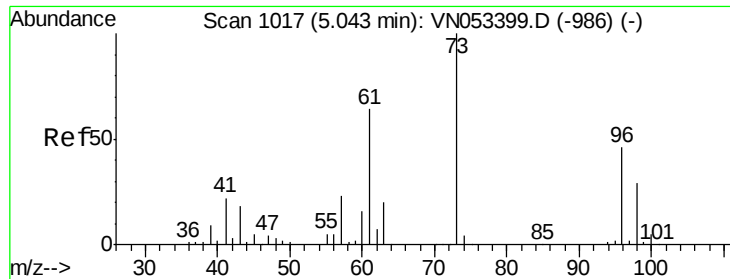
Tot Ion: 76 Resp: 375225
Ion Ratio Lower Upper
76 100
78 9.2 7.3 10.9



#18
Methyl Acetate
Concen: 21.610 ug/l
RT: 4.32 min Scan# 793
Delta R.T. 0.00 min
Lab File: VN053512.D
Acq: 22 Jan 2019 12:04

Tgt Ion: 43 Resp: 121895
Ion Ratio Lower Upper
43 100
74 24.9 19.4 29.2

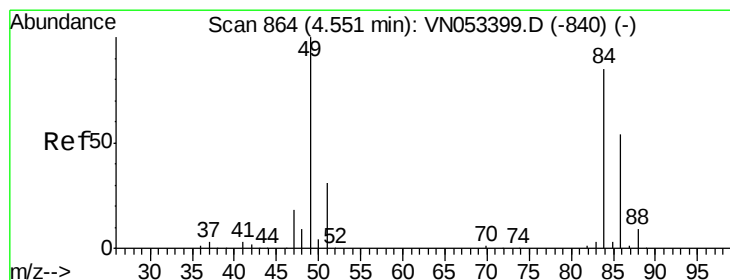
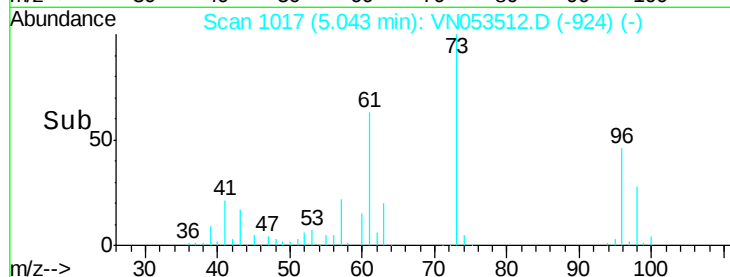
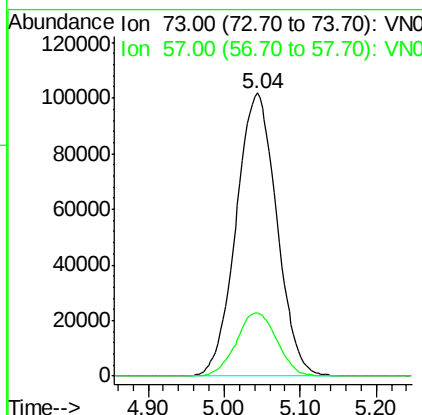
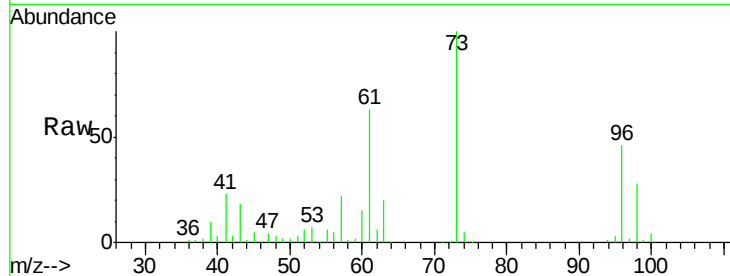




#19
Methvl tert-butvl Ether
Concen: 22.109 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VN053512.D
Acq: 22 Jan 2019 12:04

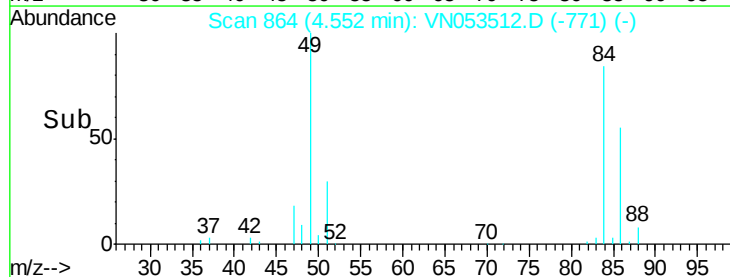
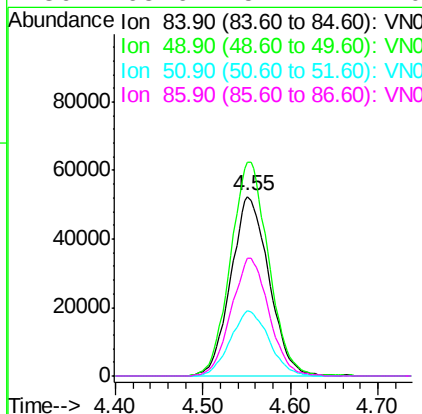
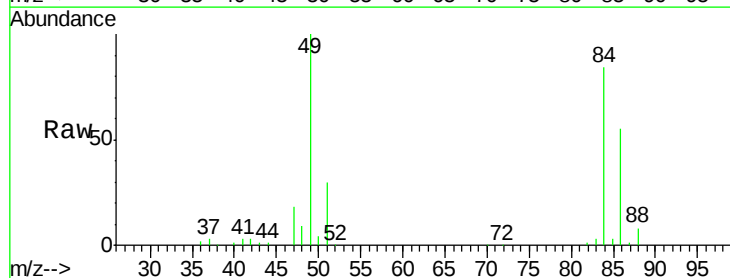
Instrument :
MSVOA_N
ClientSampleId :
VN0122MBS01

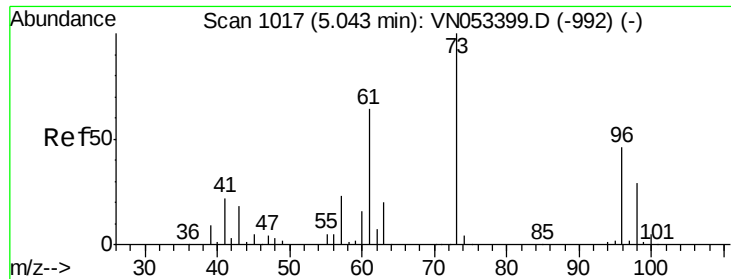
Tot Ion: 73 Resp: 377587
Ion Ratio Lower Upper
73 100
57 22.1 18.3 27.5



#20
Methylene Chloride
Concen: 20.746 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN053512.D
Acq: 22 Jan 2019 12:04

Tgt Ion: 84 Resp: 158577
Ion Ratio Lower Upper
84 100
49 118.9 94.3 141.5
51 36.2 29.4 44.2
86 65.6 51.4 77.0

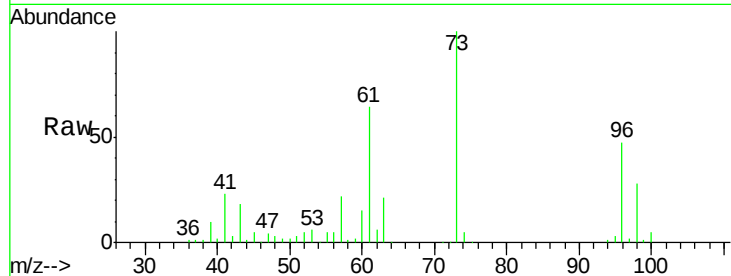




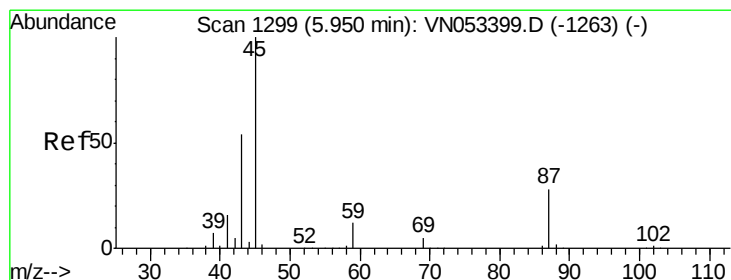
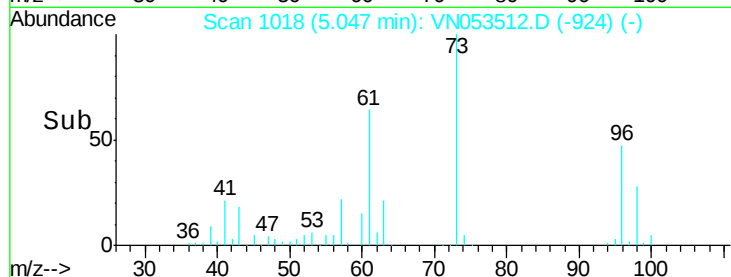
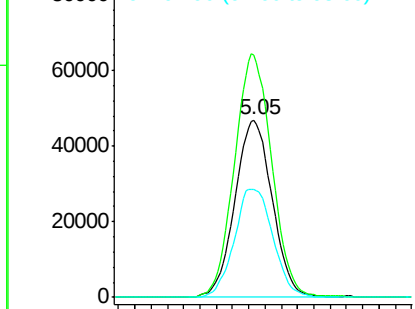
#21
trans-1,2-Dichloroethene
Concen: 21.619 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN053512.D
Acq: 22 Jan 2019 12:04

Instrument :
MSVOA_N
ClientSampleId :
VN0122MBS01

Tot Ion: 96 Resp: 148566
Ion Ratio Lower Upper
96 100
61 136.5 110.1 165.1
98 60.6 50.0 75.0

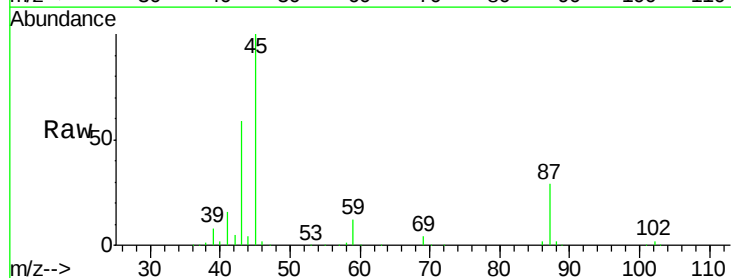


Abundance Ion 95.90 (95.60 to 96.60): VNO
Ion 60.90 (60.60 to 61.60): VNO
Ion 97.90 (97.60 to 98.60): VNO

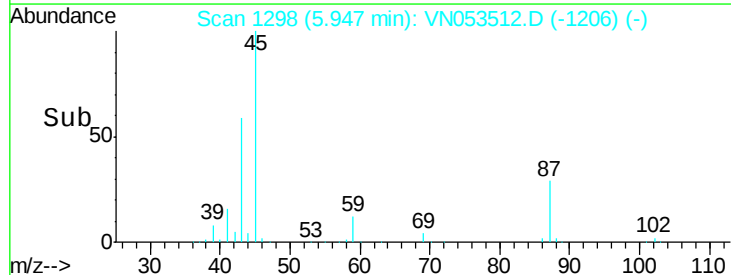
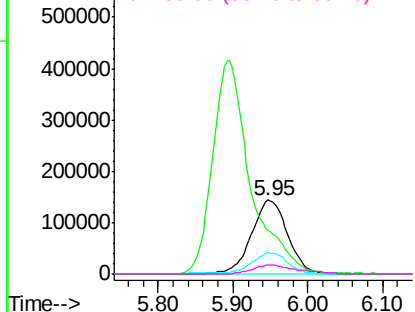


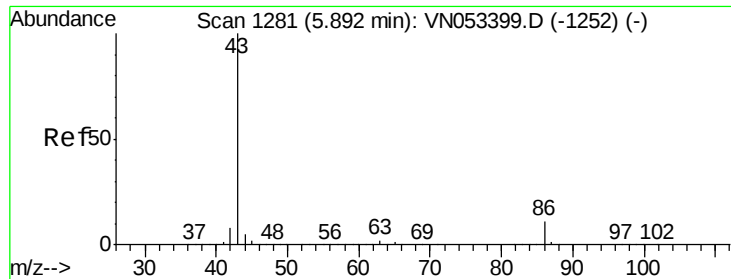
#22
Diisopropyl ether
Concen: 22.171 ug/l
RT: 5.95 min Scan# 1298
Delta R.T. -0.00 min
Lab File: VN053512.D
Acq: 22 Jan 2019 12:04

Tgt Ion: 45 Resp: 483233
Ion Ratio Lower Upper
45 100
43 58.2 44.2 66.4
87 28.5 22.7 34.1
59 11.6 9.4 14.2



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

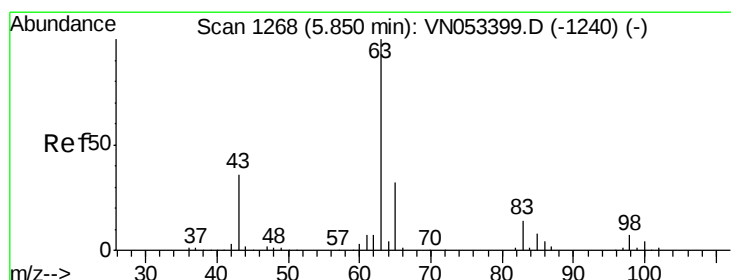
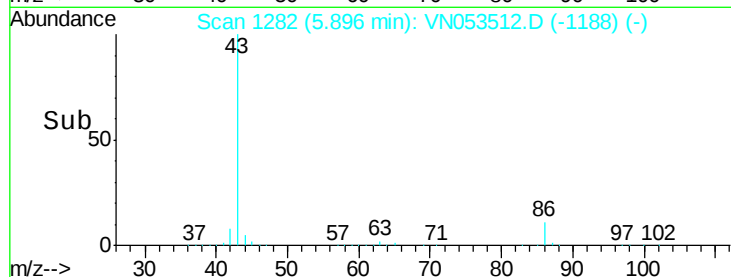
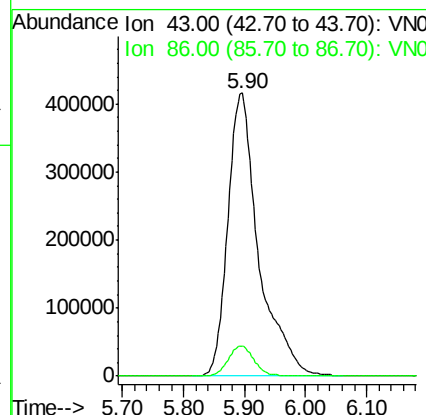
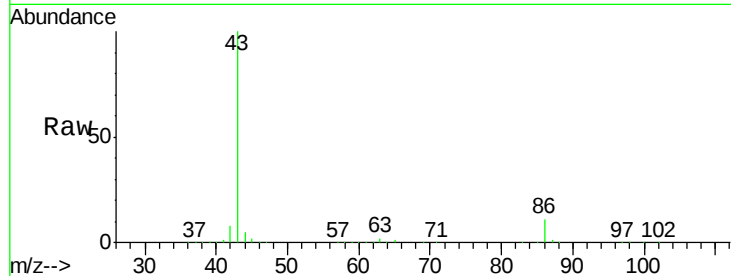




#23
 Vinyl Acetate
 Concen: 108.988 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN053512.D
 Acq: 22 Jan 2019 12:04

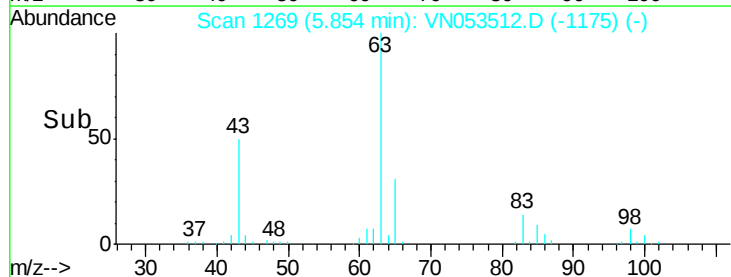
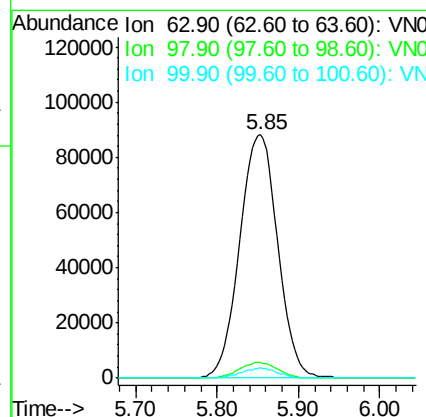
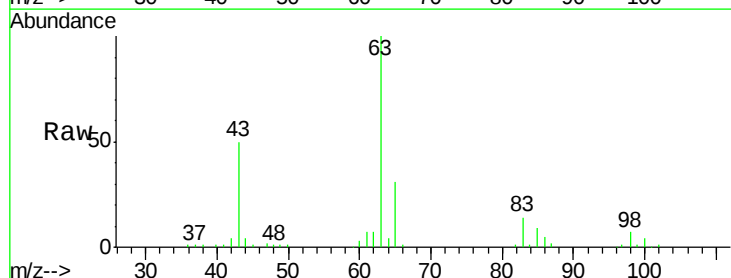
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0122MBS01

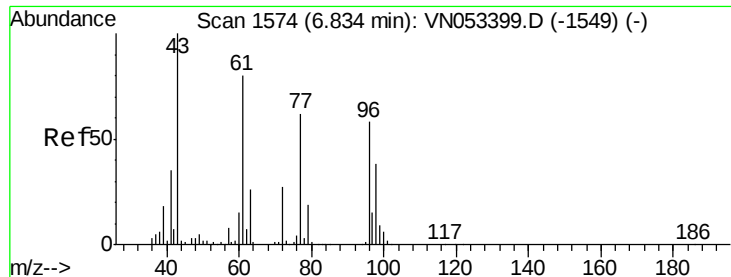
Tot Ion: 43 Resp: 1460239
 Ion Ratio Lower Upper
 43 100
 86 10.7 8.4 12.6



#24
 1,1-Dichloroethane
 Concen: 22.092 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN053512.D
 Acq: 22 Jan 2019 12:04

Tgt Ion: 63 Resp: 284648
 Ion Ratio Lower Upper
 63 100
 98 6.5 3.3 9.9
 100 4.2 2.1 6.5





#25

2-Butanone

Concen: 106.085 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN053512.D

Acq: 22 Jan 2019 12:04

Instrument :

MSVOA_N

ClientSampled :

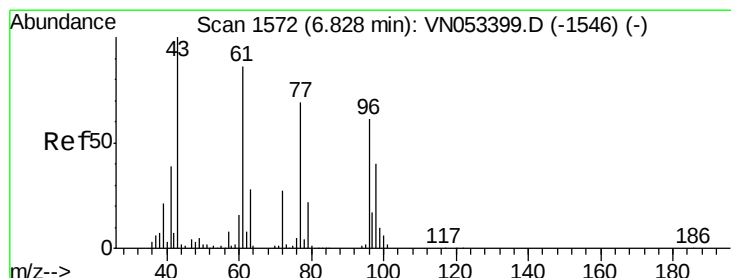
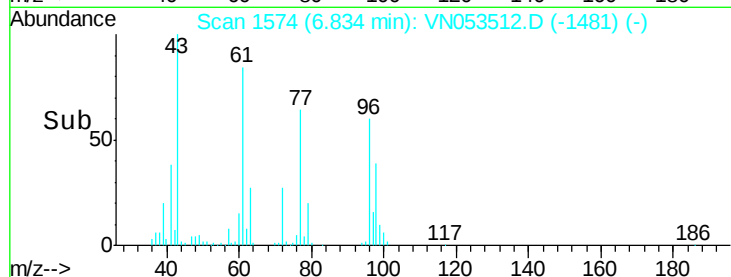
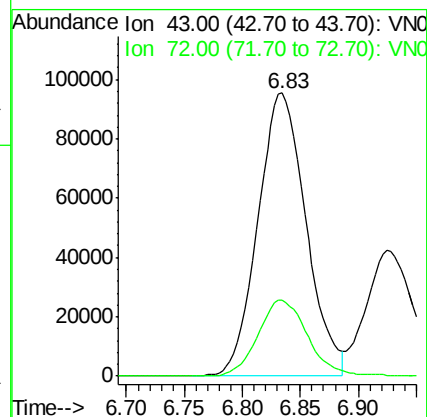
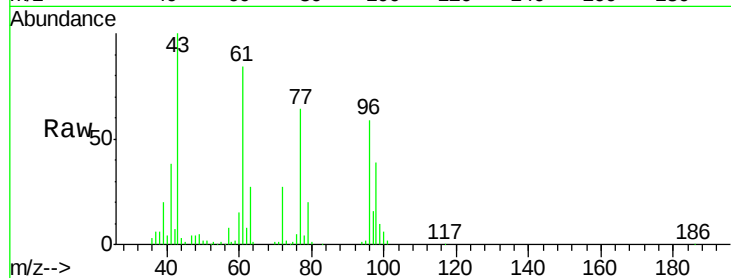
VN0122MBS01

Tot Ion: 43 Resp: 273693

Ion Ratio Lower Upper

43 100

72 27.0 22.0 33.0



#26

2,2-Dichloropropane

Concen: 21.710 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN053512.D

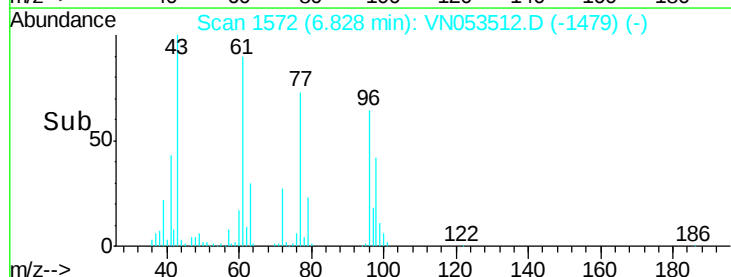
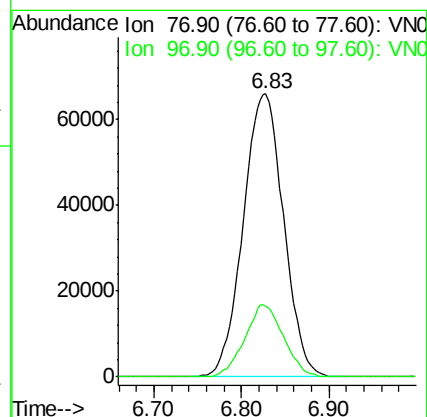
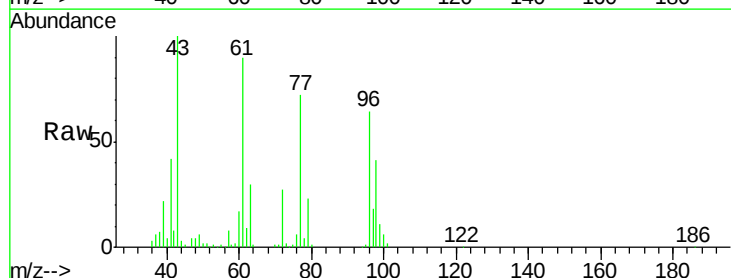
Acq: 22 Jan 2019 12:04

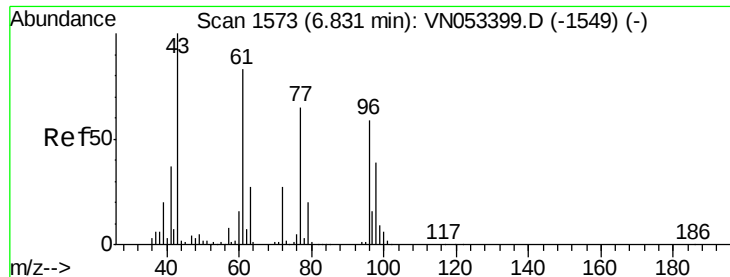
Tgt Ion: 77 Resp: 211200

Ion Ratio Lower Upper

77 100

97 24.6 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 21.946 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN053512.D

Acq: 22 Jan 2019 12:04

Instrument :

MSVOA_N

ClientSampled :

VN0122MBS01

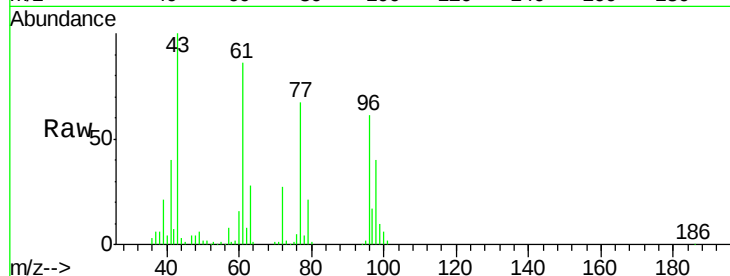
Tot Ion: 96 Resp: 172456

Ion Ratio Lower Upper

96 100

61 142.1 0.0 283.8

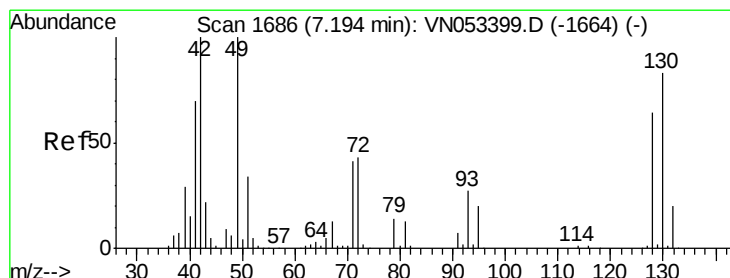
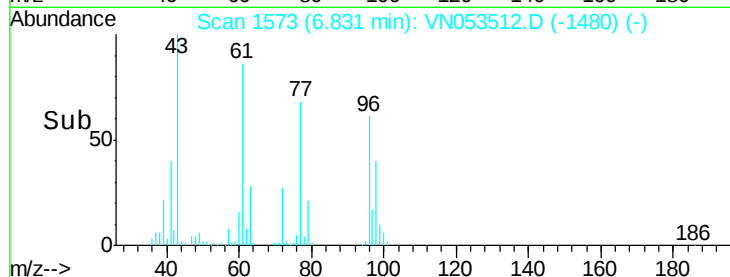
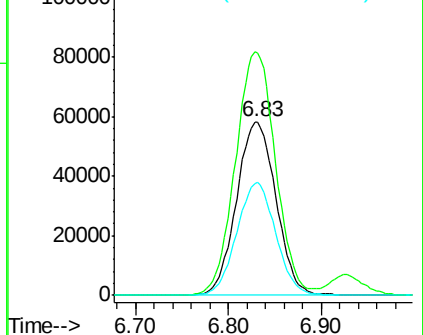
98 64.0 0.0 129.2



Abundance Ion 95.90 (95.60 to 96.60): VN053512.D (-1593) (-)

Ion 60.90 (60.60 to 61.60): VN053512.D (-1593) (-)

Ion 97.90 (97.60 to 98.60): VN053512.D (-1593) (-)



#28

Bromochloromethane

Concen: 19.116 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN053512.D

Acq: 22 Jan 2019 12:04

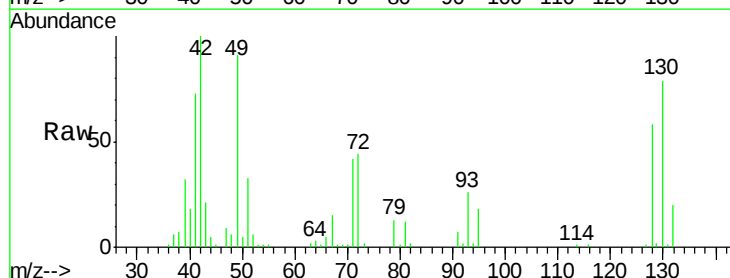
Tgt Ion: 49 Resp: 108510

Ion Ratio Lower Upper

49 100

129 1.9 0.0 4.0

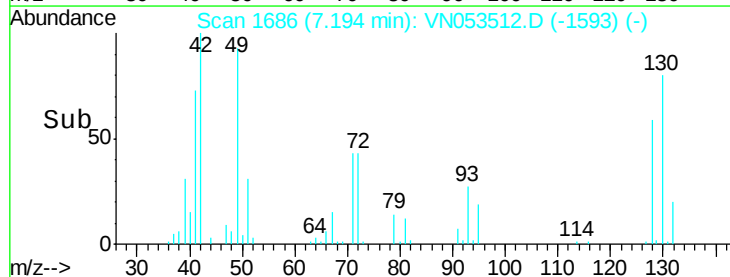
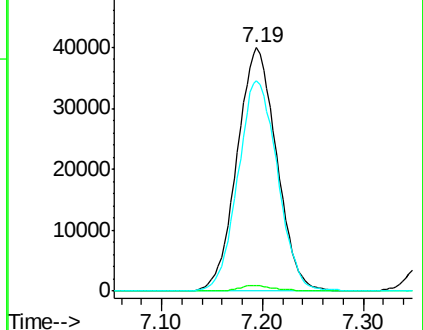
130 86.7 66.3 99.5

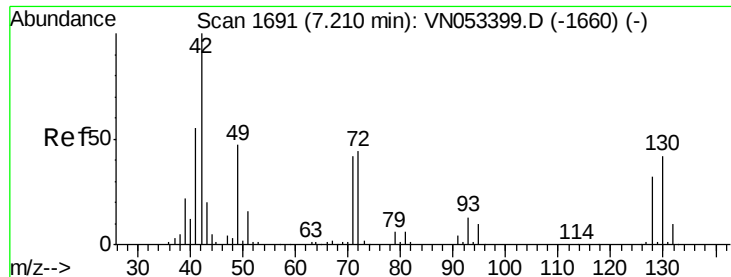


Abundance Ion 48.90 (48.60 to 49.60): VN053512.D (-1593) (-)

Ion 128.80 (128.50 to 129.50): VN053512.D (-1593) (-)

Ion 129.80 (129.50 to 130.50): VN053512.D (-1593) (-)





#29

Tetrahydrofuran

Concen: 106.946 ug/l

RT: 7.21 min Scan# 1691

Delta R.T. 0.00 min

Lab File: VN053512.D

Acq: 22 Jan 2019 12:04

Instrument :

MSVOA_N

ClientSampleId :

VN0122MBS01

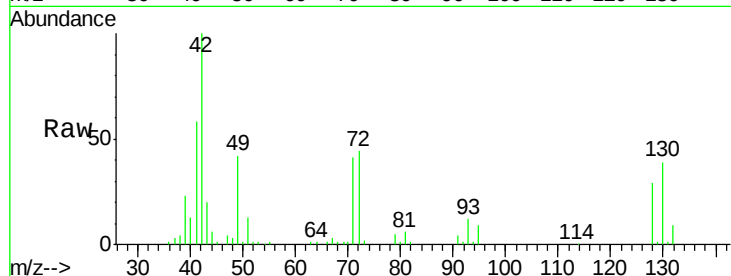
Tot Ion: 42 Resp: 179622

Ion Ratio Lower Upper

42 100

72 43.4 35.2 52.8

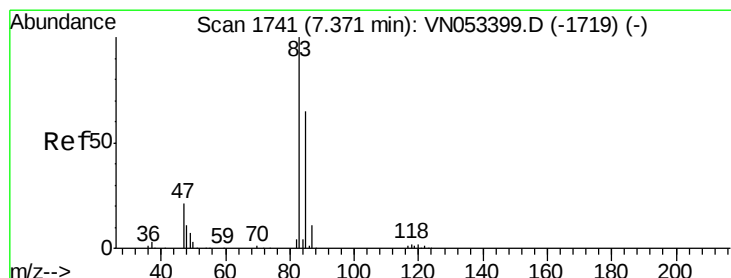
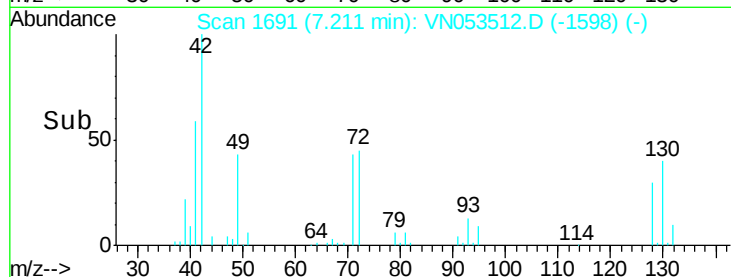
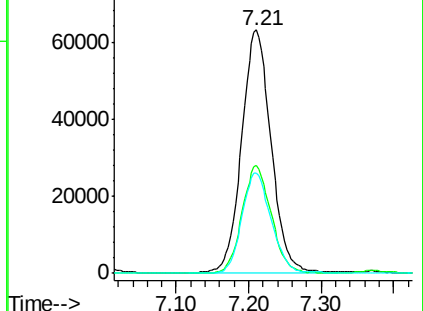
71 40.7 33.0 49.4



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: 22.147 ug/l

RT: 7.37 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VN053512.D

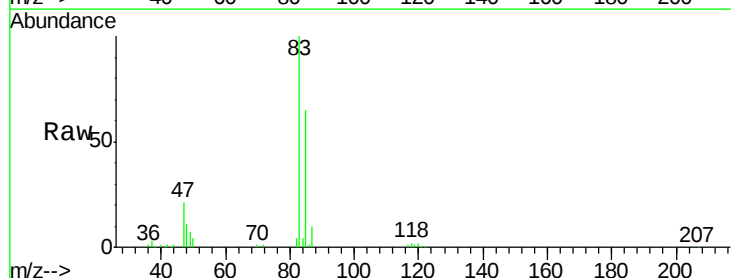
Acq: 22 Jan 2019 12:04

Tgt Ion: 83 Resp: 278024

Ion Ratio Lower Upper

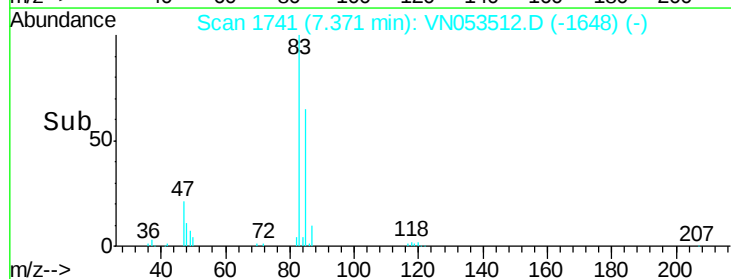
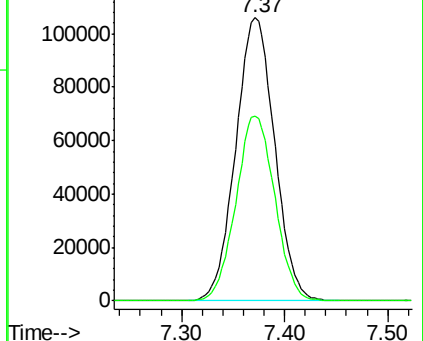
83 100

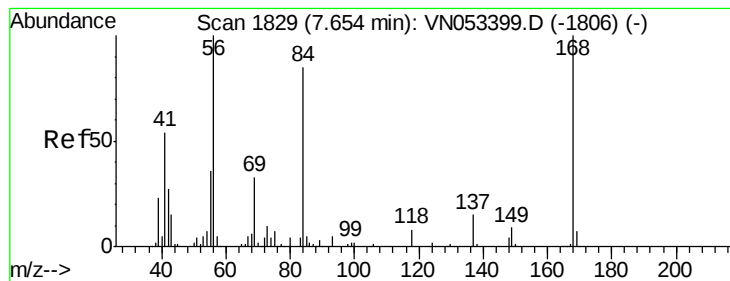
85 65.3 52.2 78.2



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 20.925 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN053512.D

Acq: 22 Jan 2019 12:04

Instrument :

MSVOA_N

ClientSampleId :

VN0122MBS01

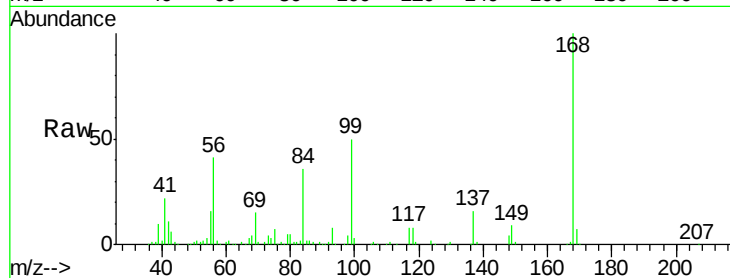
Tot Ion: 56 Resp: 264015

Ion Ratio Lower Upper

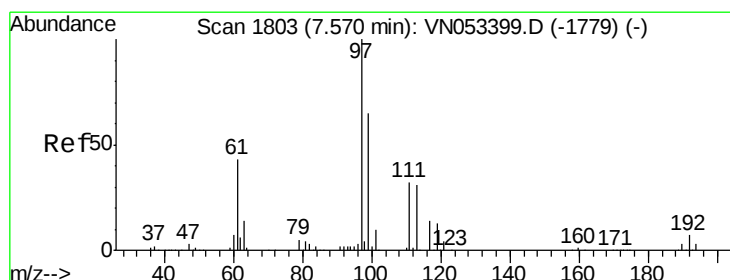
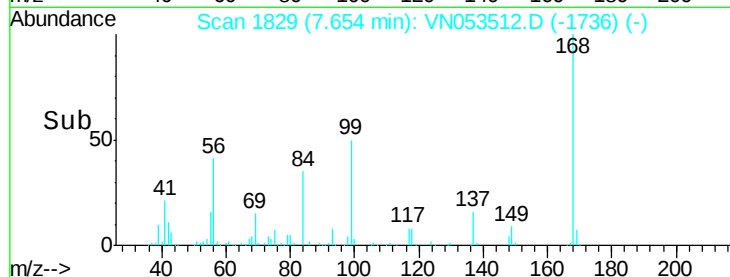
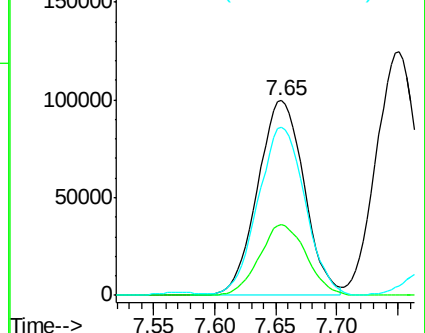
56 100

69 36.2 26.4 39.6

84 85.2 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: 21.940 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN053512.D

Acq: 22 Jan 2019 12:04

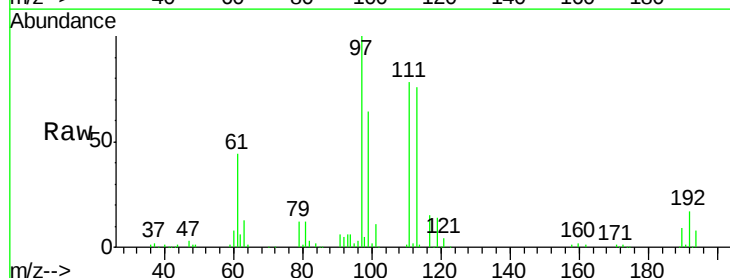
Tgt Ion: 97 Resp: 233645

Ion Ratio Lower Upper

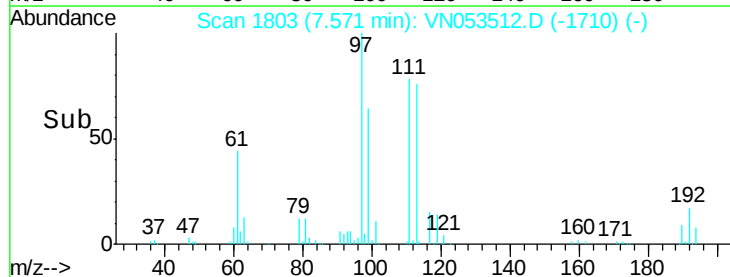
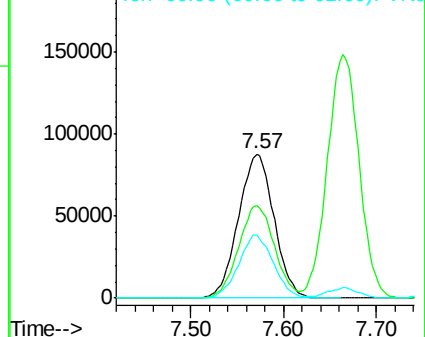
97 100

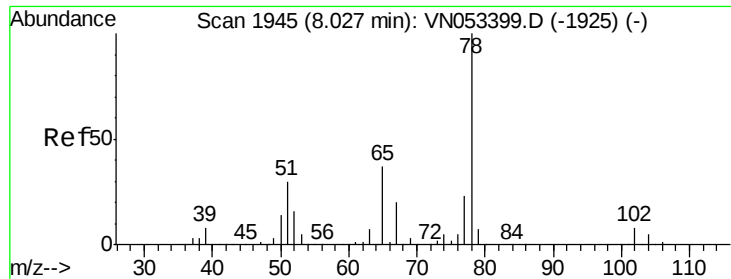
99 65.1 52.0 78.0

61 42.6 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

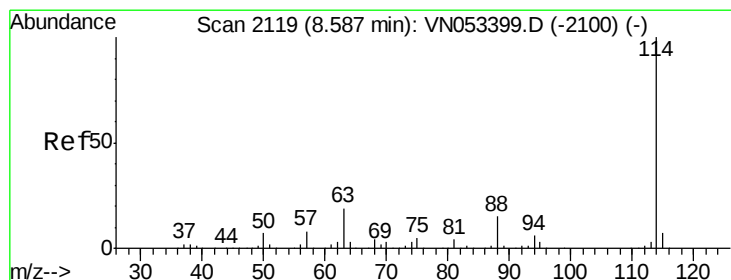
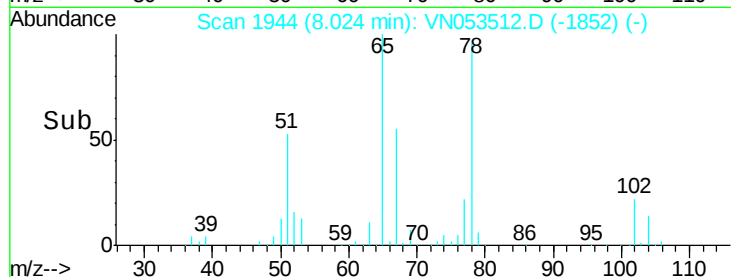
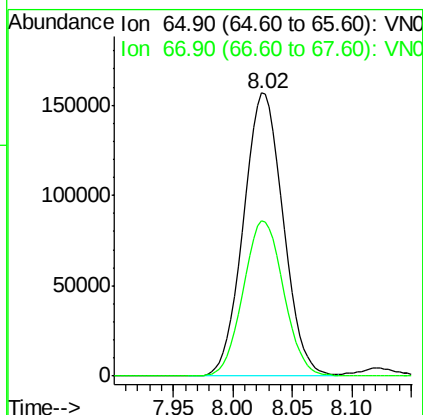
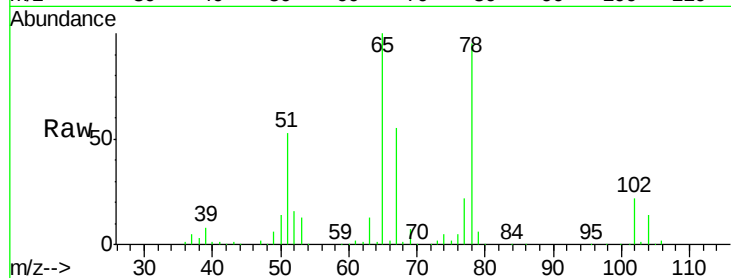




#33
 1,2-Dichloroethane-d4
 Concen: 21.940 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VN053512.D
 Acq: 22 Jan 2019 12:04

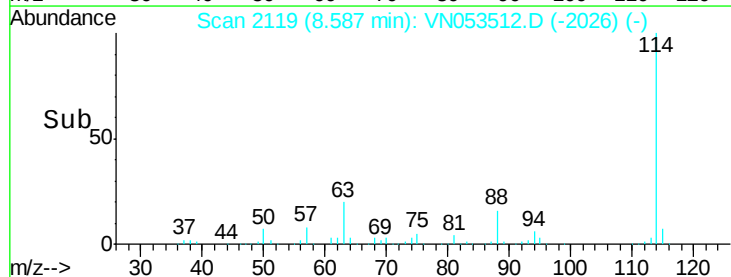
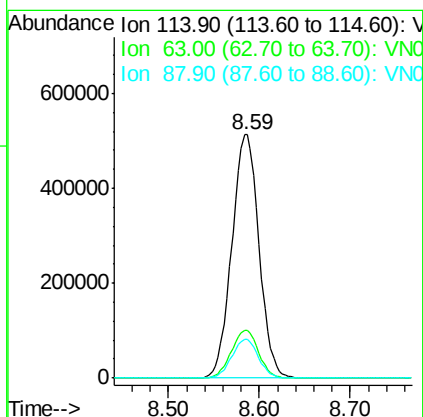
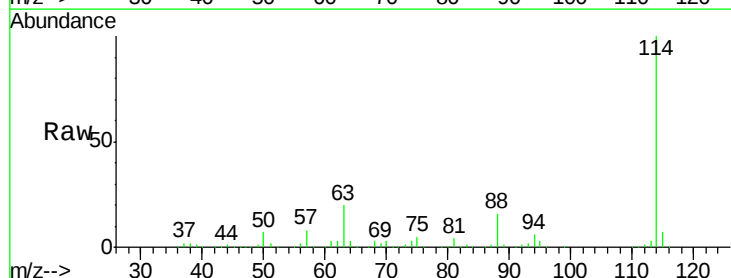
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0122MBS01

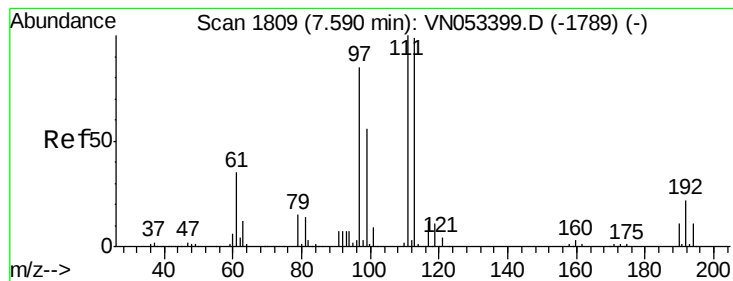
Tot Ion: 65 Resp: 363625
 Ion Ratio Lower Upper
 65 100
 67 55.6 0.0 111.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053512.D
 Acq: 22 Jan 2019 12:04

Tgt Ion: 114 Resp: 1061963
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 38.6
 88 15.8 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: VN053512.D

Acq: 22 Jan 2019 12:04

Instrument :

MSVOA_N

ClientSampleId :

VN0122MBS01

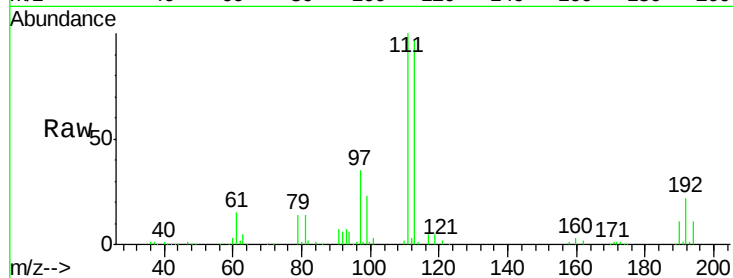
Tot Ion:113 Resp: 330031

Ion Ratio Lower Upper

113 100

111 102.3 81.1 121.7

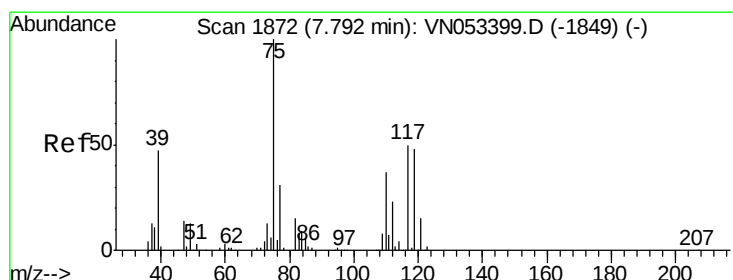
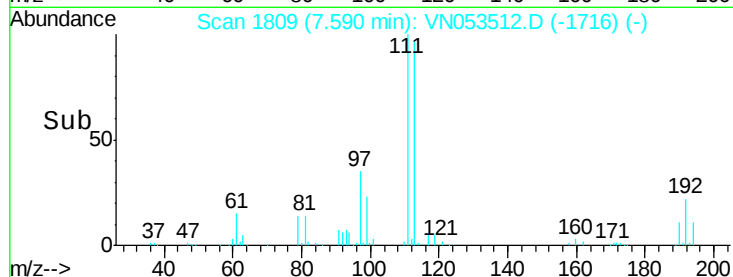
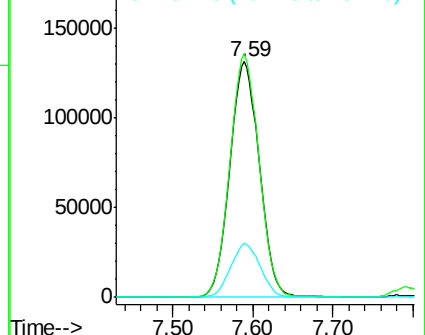
192 22.7 18.2 27.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 22.264 ug/l

RT: 7.79 min Scan# 1871

Delta R.T. -0.00 min

Lab File: VN053512.D

Acq: 22 Jan 2019 12:04

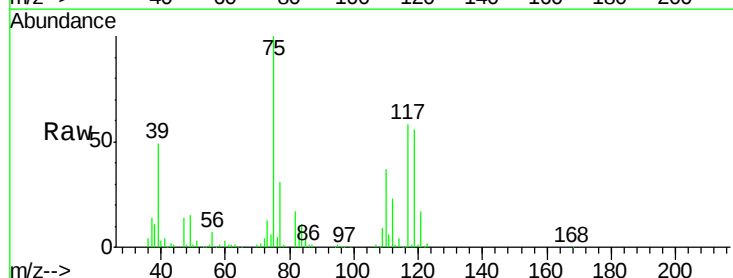
Tgt Ion: 75 Resp: 215325

Ion Ratio Lower Upper

75 100

110 36.3 18.1 54.3

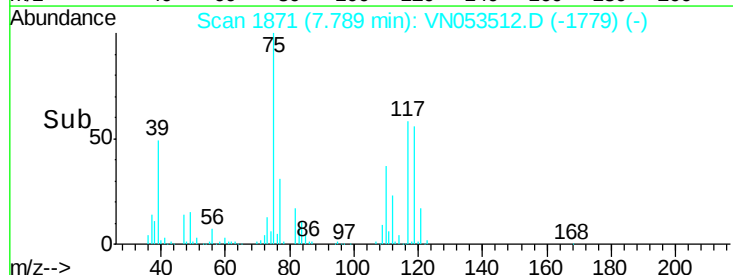
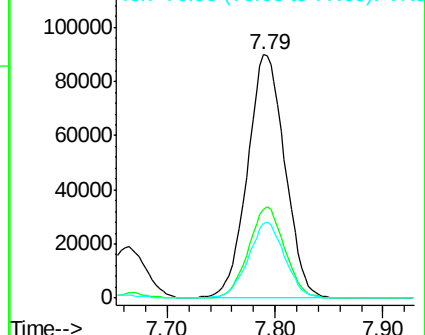
77 30.6 25.1 37.7

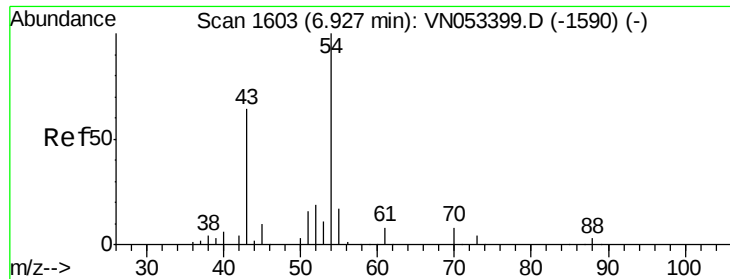


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

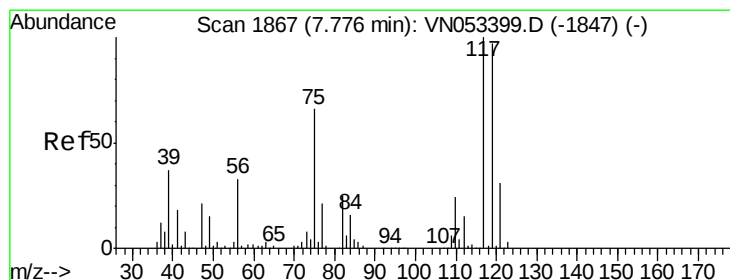
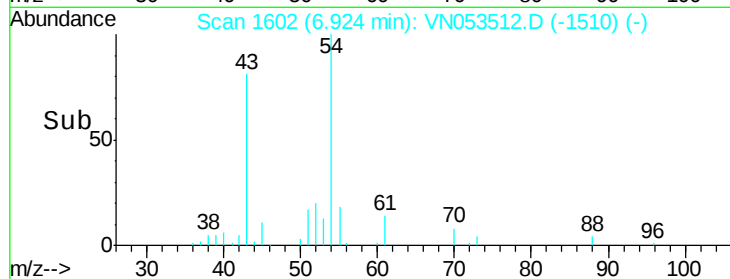
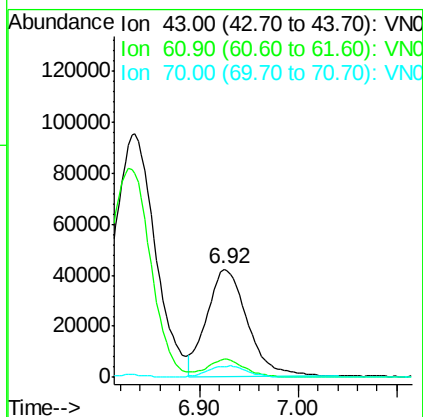
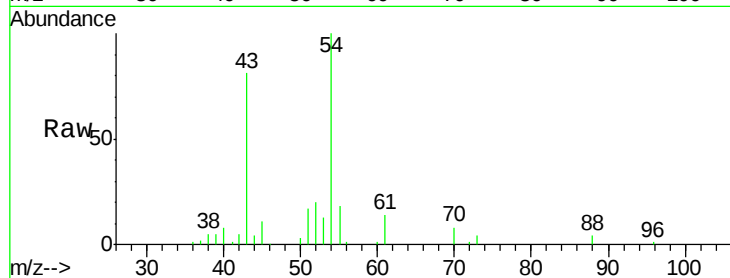




#37
Ethyl Acetate
Concen: 21.651 ug/l
RT: 6.92 min Scan# 1602
Delta R.T. -0.00 min
Lab File: VN053512.D
Acq: 22 Jan 2019 12:04

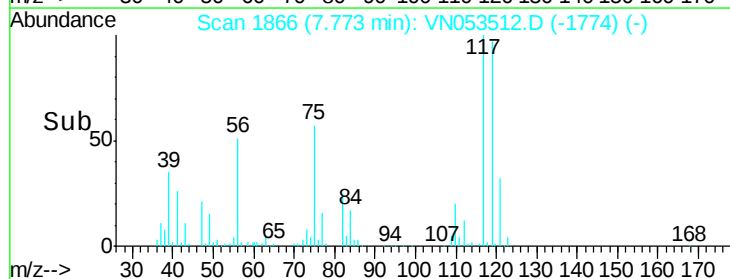
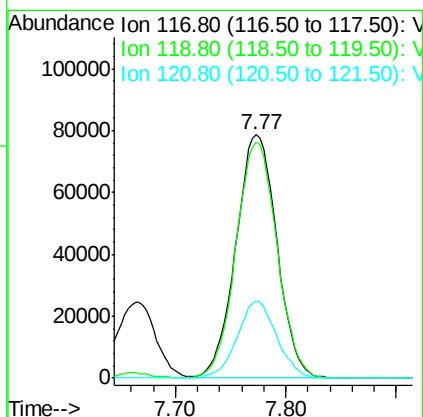
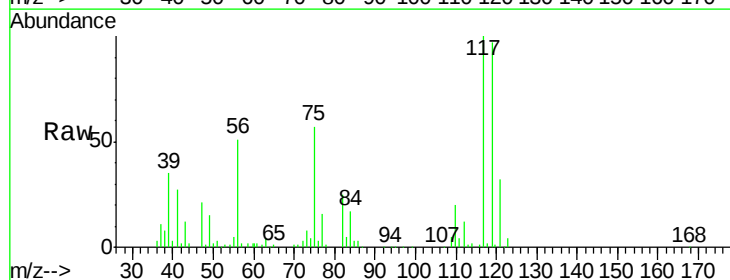
Instrument :
MSVOA_N
ClientSampled :
VN0122MBS01

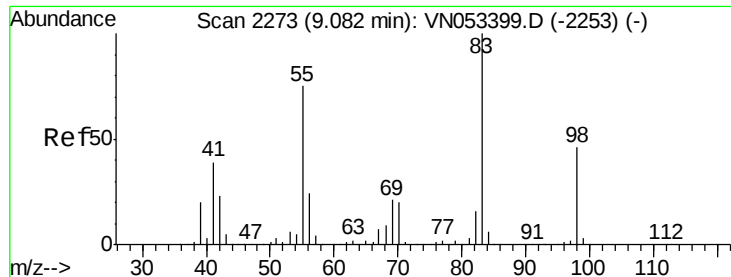
Tot Ion: 43 Resp: 120470
Ion Ratio Lower Upper
43 100
61 14.4 11.8 17.6
70 10.5 8.6 12.8



#38
Carbon Tetrachloride
Concen: 22.178 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN053512.D
Acq: 22 Jan 2019 12:04

Tgt Ion: 117 Resp: 203064
Ion Ratio Lower Upper
117 100
119 97.0 77.2 115.8
121 31.6 24.6 37.0

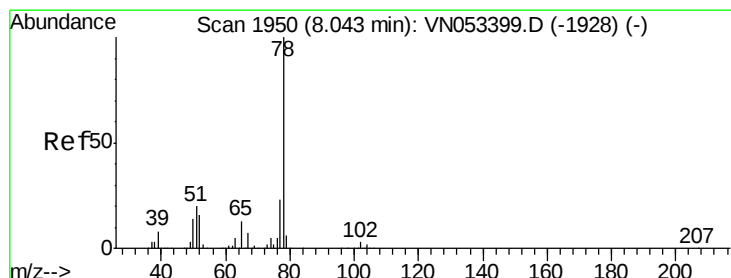
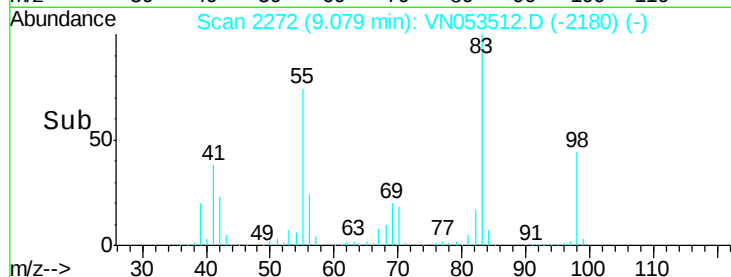
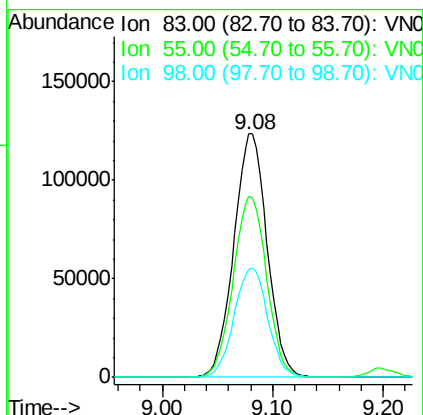
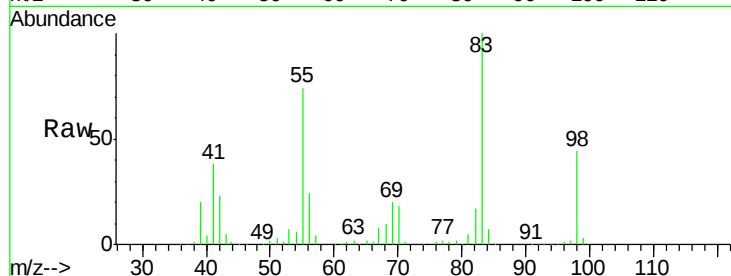




#39
Methvlcvclohexane
Concen: 21.639 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN053512.D
Acq: 22 Jan 2019 12:04

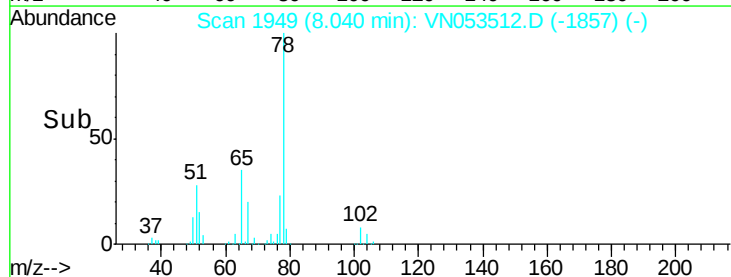
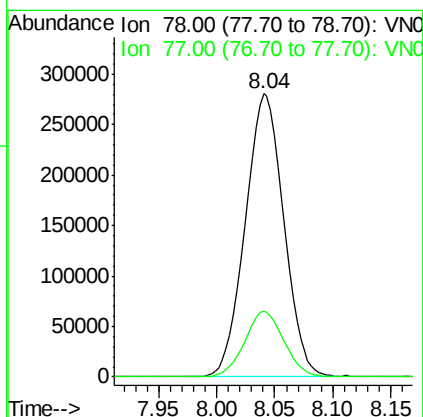
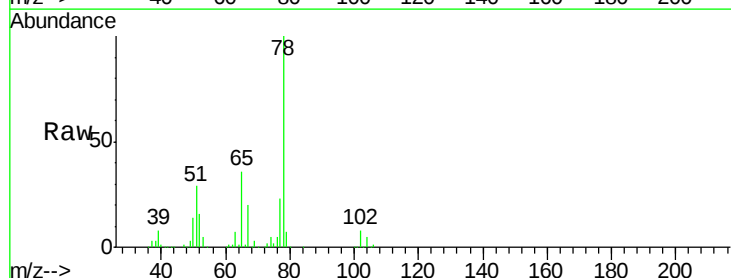
Instrument :
MSVOA_N
ClientSampleId :
VN0122MBS01

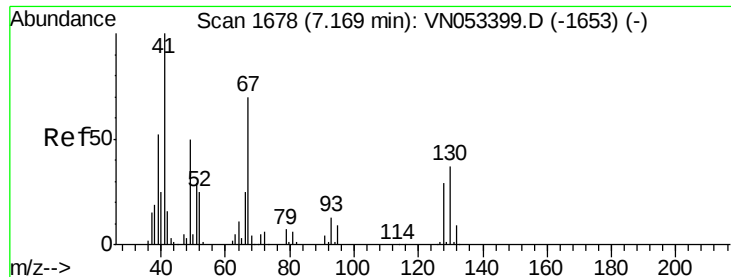
Tot Ion: 83 Resp: 258664
Ion Ratio Lower Upper
83 100
55 74.4 60.1 90.1
98 44.3 36.6 55.0



#40
Benzene
Concen: 22.096 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN053512.D
Acq: 22 Jan 2019 12:04

Tgt Ion: 78 Resp: 649385
Ion Ratio Lower Upper
78 100
77 23.3 18.8 28.2

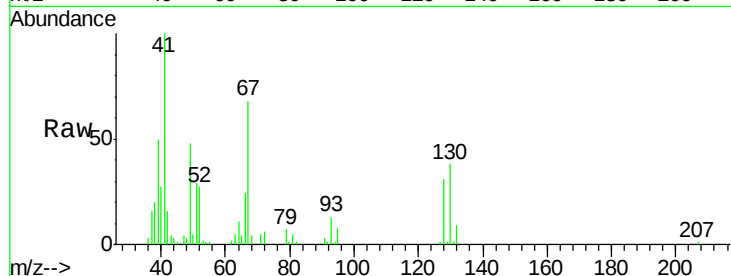




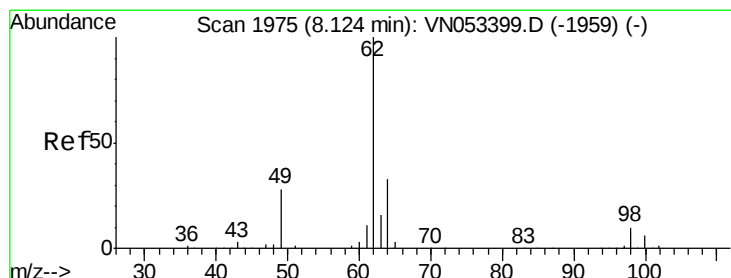
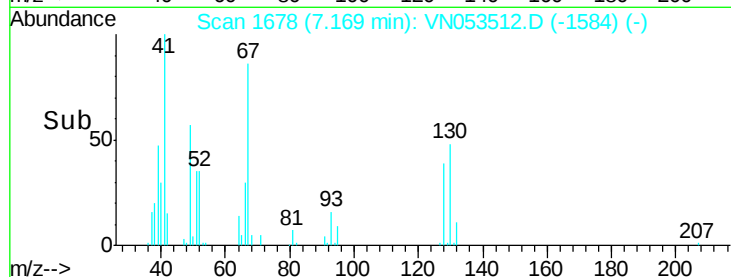
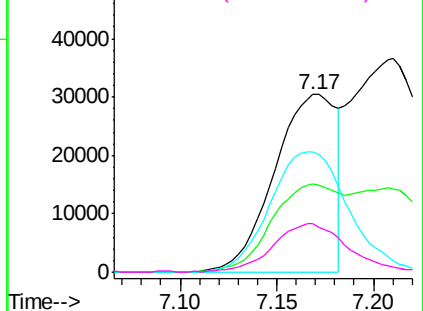
#41
Methacrylonitrile
Concen: 20.904 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. 0.00 min
Lab File: VN053512.D
Acq: 22 Jan 2019 12:04

Instrument :
MSVOA_N
ClientSampled :
VN0122MBS01

Tot Ion: 41 Resp: 67814
Ion Ratio Lower Upper
41 100
39 54.7 46.8 70.2
67 86.8 63.0 94.6
52 33.3 23.8 35.8

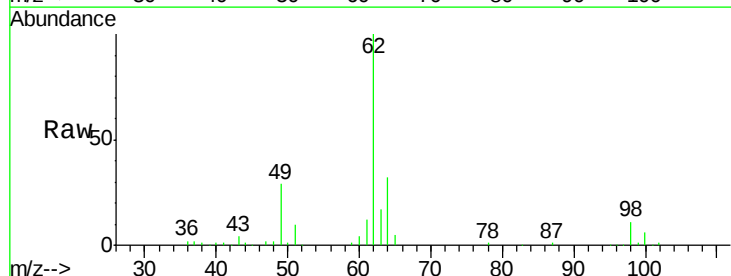


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

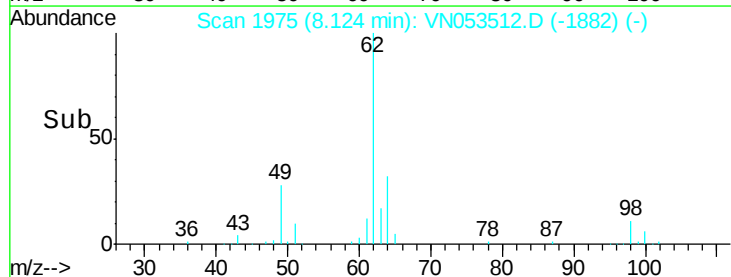
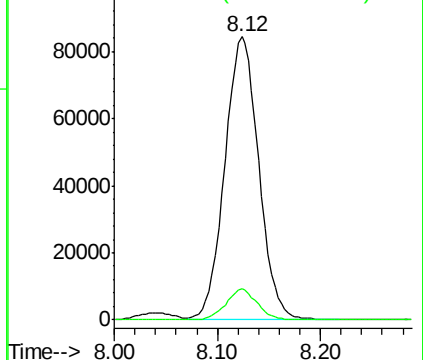


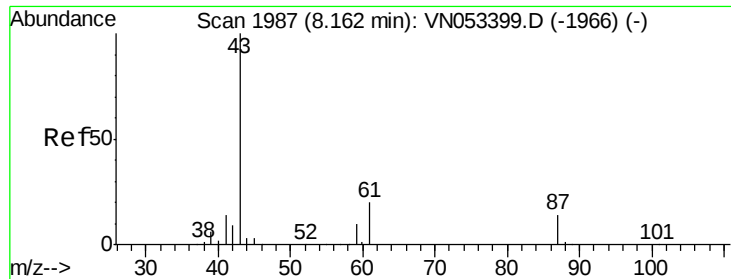
#42
1,2-Dichloroethane
Concen: 22.509 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN053512.D
Acq: 22 Jan 2019 12:04

Tgt Ion: 62 Resp: 192725
Ion Ratio Lower Upper
62 100
98 10.0 0.0 19.6



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 22.777 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN053512.D

Acq: 22 Jan 2019 12:04

Instrument :

MSVOA_N

ClientSampleId :

VN0122MBS01

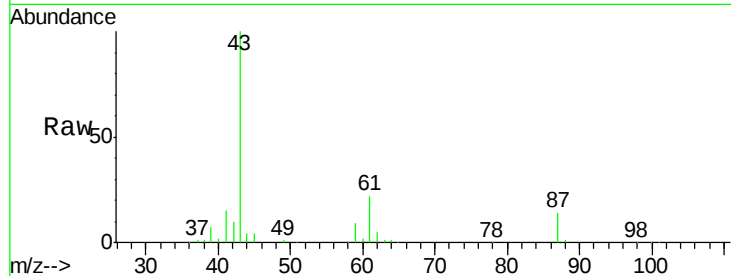
Tot Ion: 43 Resp: 227891

Ion Ratio Lower Upper

43 100

61 29.7 23.9 35.9

87 13.0 11.0 16.6

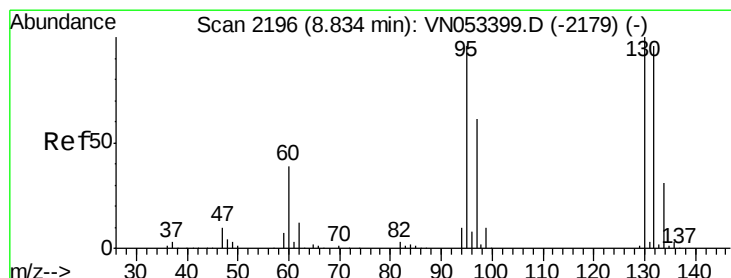
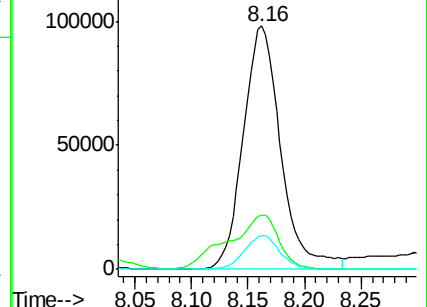
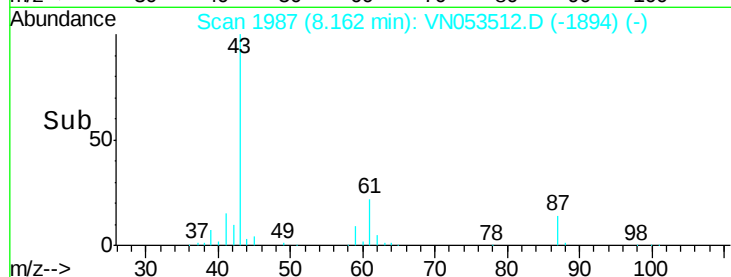


Abundance Ion 43.00 (42.70 to 43.70): VN053399.D (-1966) (-)

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

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

8.16



#44

Trichloroethene

Concen: 22.553 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN053512.D

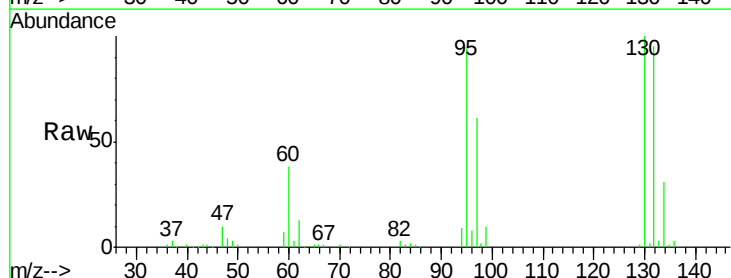
Acq: 22 Jan 2019 12:04

Tgt Ion:130 Resp: 183816

Ion Ratio Lower Upper

130 100

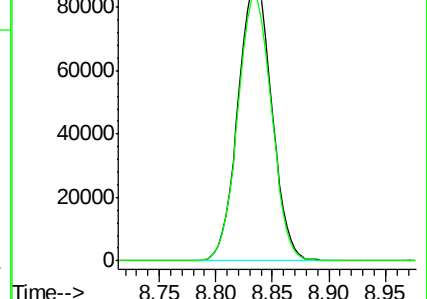
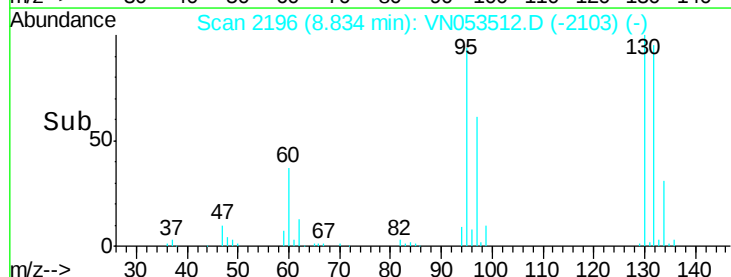
95 93.7 0.0 191.4

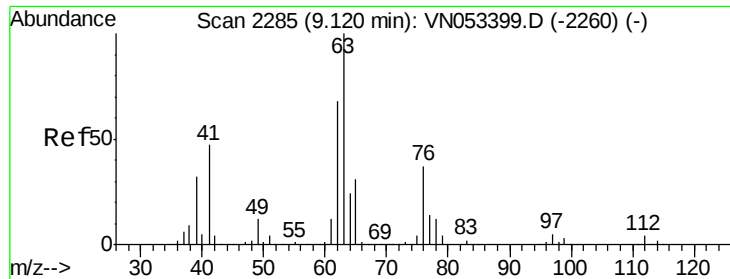


Abundance Ion 129.80 (129.50 to 130.50): VN053399.D (-2179) (-)

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

8.83





#45

1,2-Dichloropropane

Concen: 22.619 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN053512.D

Acq: 22 Jan 2019 12:04

Instrument :

MSVOA_N

ClientSampleId :

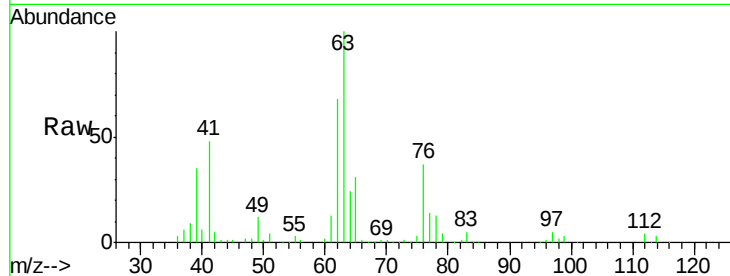
VN0122MBS01

Tot Ion: 63 Resp: 176075

Ion Ratio Lower Upper

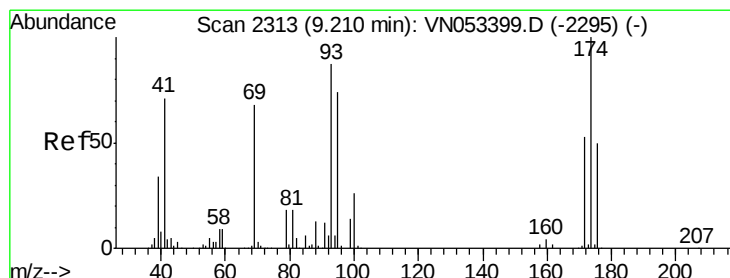
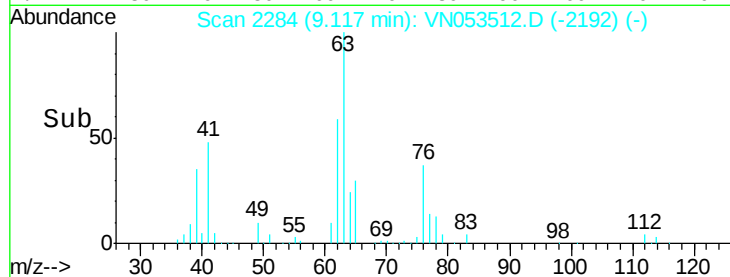
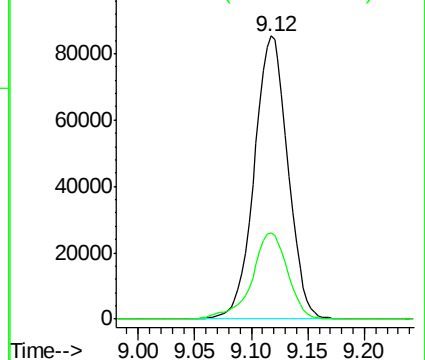
63 100

65 30.7 25.0 37.4



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 21.562 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN053512.D

Acq: 22 Jan 2019 12:04

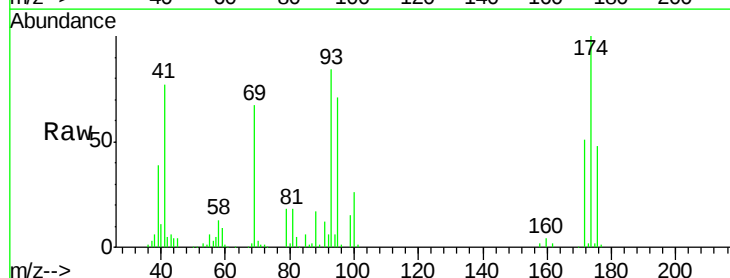
Tgt Ion: 93 Resp: 96434

Ion Ratio Lower Upper

93 100

95 85.0 67.3 100.9

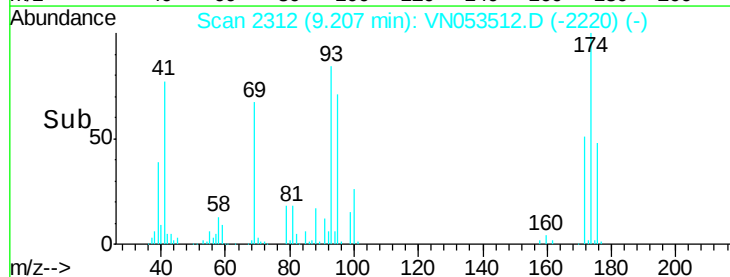
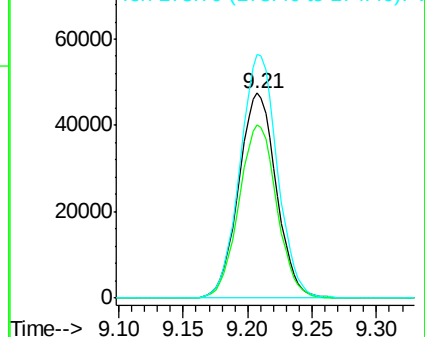
174 117.9 91.0 136.4

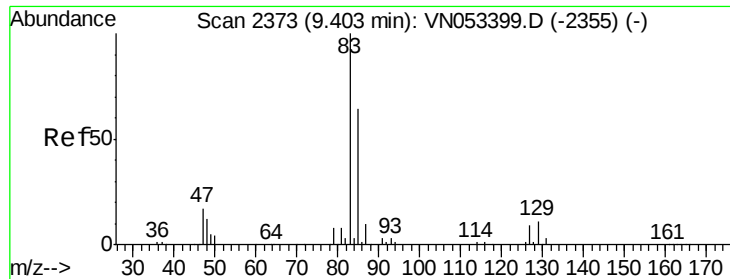


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

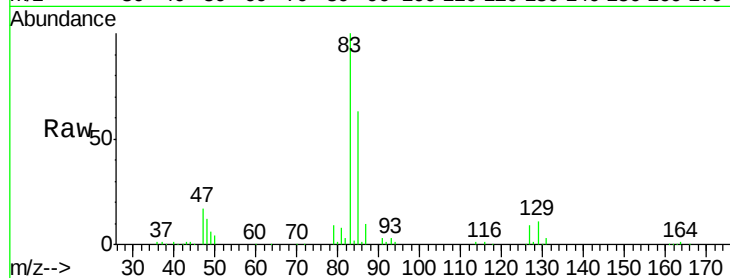




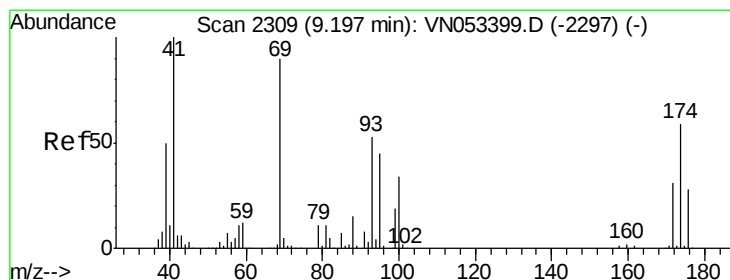
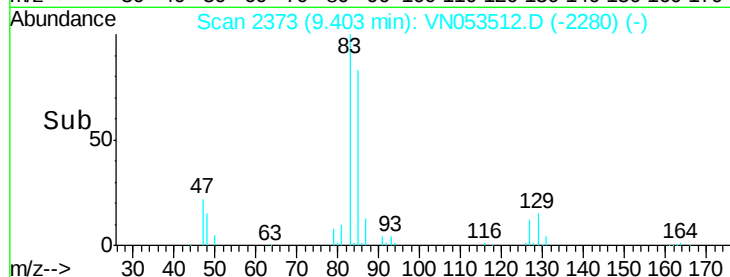
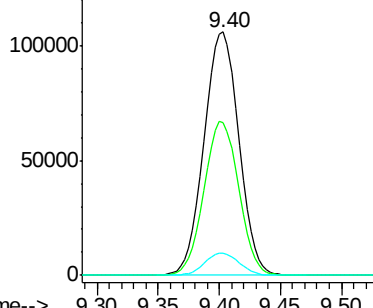
#47
Bromodichloromethane
Concen: 22.295 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN053512.D
Acq: 22 Jan 2019 12:04

Instrument :
MSVOA_N
ClientSampled :
VN0122MBS01

Tot Ion: 83 Resp: 209692
Ion Ratio Lower Upper
83 100
85 62.9 51.0 76.6
127 8.9 7.0 10.6

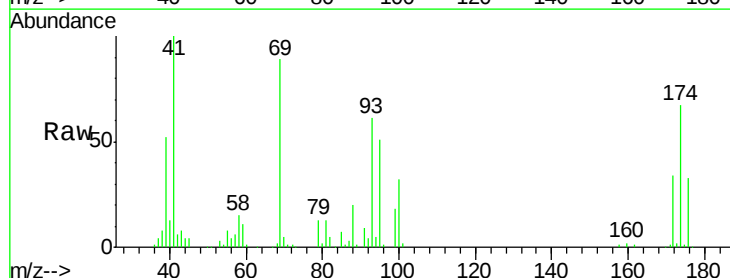


Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 84.90 (84.60 to 85.60): VNO
Ion 126.80 (126.50 to 127.50): VNO

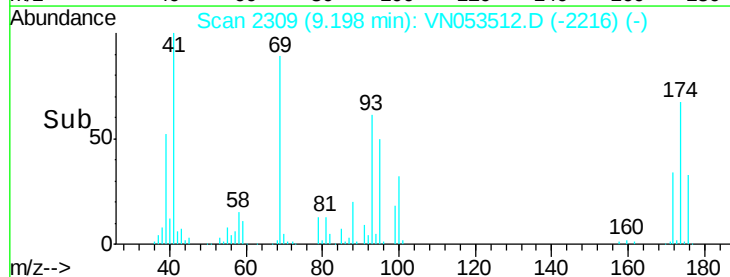
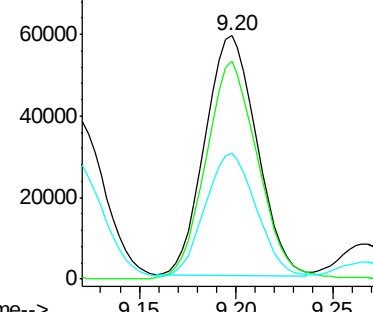


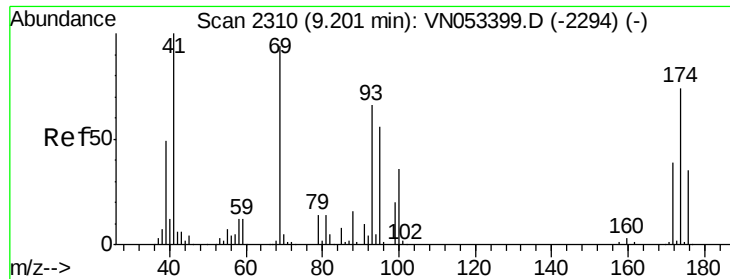
#48
Methyl methacrylate
Concen: 21.200 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN053512.D
Acq: 22 Jan 2019 12:04

Tgt Ion: 41 Resp: 109519
Ion Ratio Lower Upper
41 100
69 91.9 73.8 110.6
39 53.1 40.0 60.0



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





#49

1,4-Dioxane

Concen: 488.092 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN053512.D

Acq: 22 Jan 2019 12:04

Instrument :

MSVOA_N

ClientSampleId :

VN0122MBS01

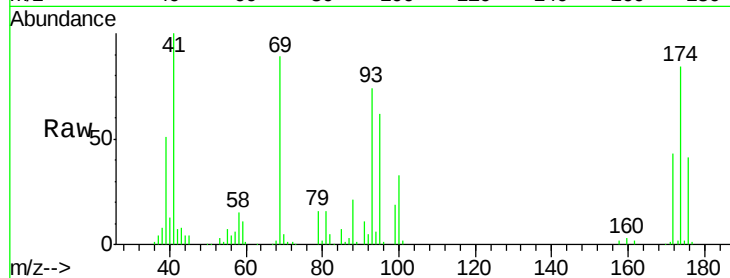
Tot Ion: 88 Resp: 24625

Ion Ratio Lower Upper

88 100

43 33.9 27.8 41.6

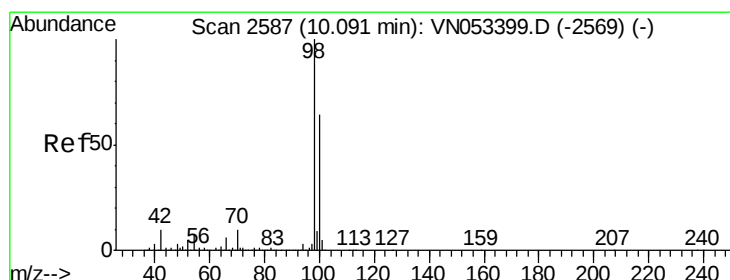
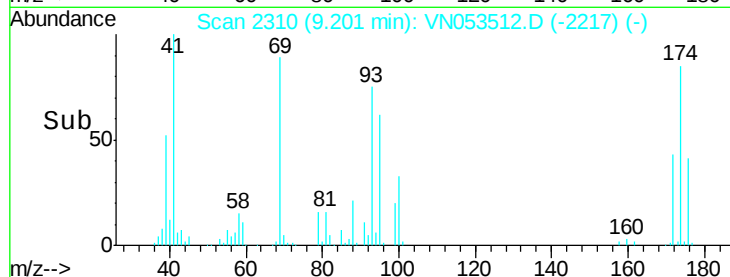
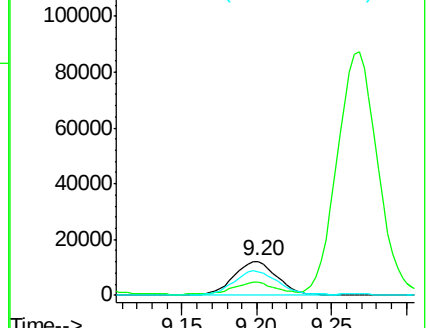
58 75.7 56.5 84.7



Abundance Ion 88.00 (87.70 to 88.70): VN053399.D (-2294) (-)

Ion 43.00 (42.70 to 43.70): VN053399.D (-2294) (-)

Ion 58.00 (57.70 to 58.70): VN053399.D (-2294) (-)



#50

Toluene-d8

Concen: 488.092 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN053512.D

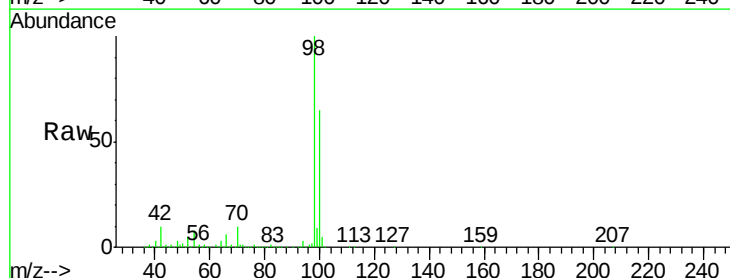
Acq: 22 Jan 2019 12:04

Tgt Ion: 98 Resp: 1318126

Ion Ratio Lower Upper

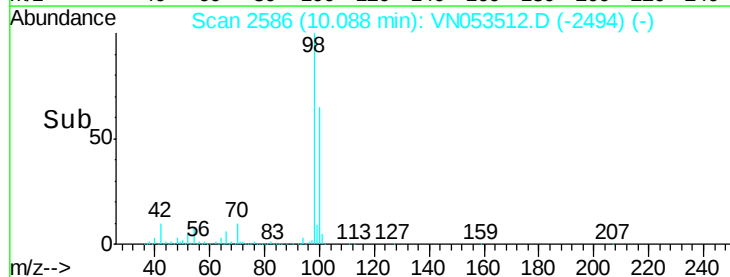
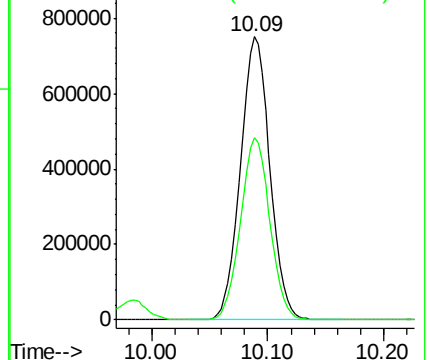
98 100

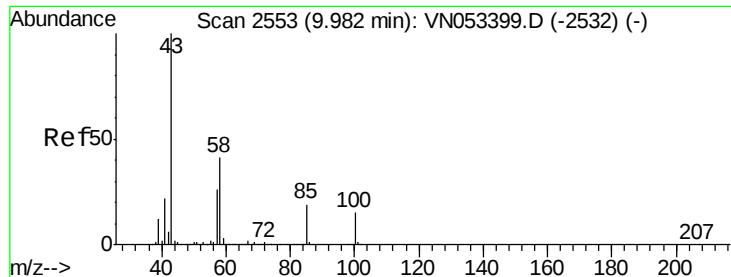
100 64.4 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VN053399.D (-2569) (-)

Ion 100.00 (99.70 to 100.70): VN053399.D (-2569) (-)





#51

4-Methyl-2-Pentanone

Concen: 109.263 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. 0.00 min

Lab File: VN053512.D

Acq: 22 Jan 2019 12:04

Instrument :

MSVOA_N

ClientSampleId :

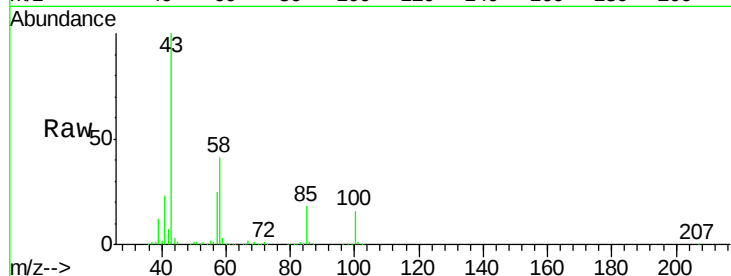
VN0122MBS01

Tot Ion: 43 Resp: 596769

Ion Ratio Lower Upper

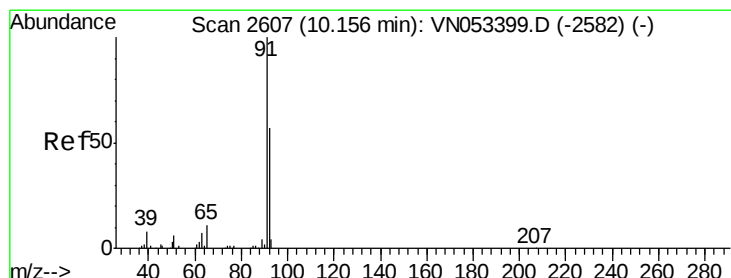
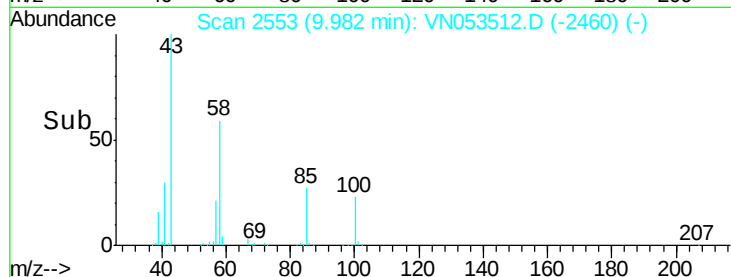
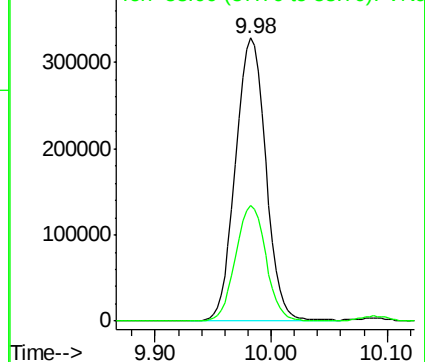
43 100

58 40.8 32.8 49.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 22.076 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VN053512.D

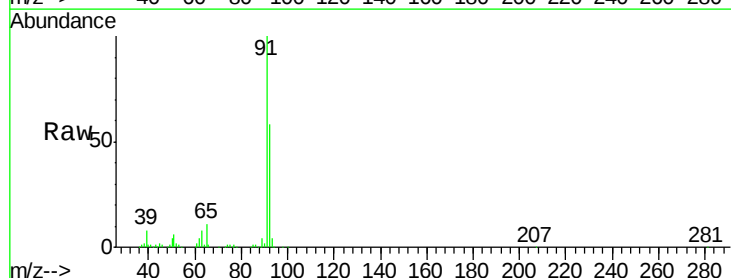
Acq: 22 Jan 2019 12:04

Tgt Ion: 92 Resp: 402793

Ion Ratio Lower Upper

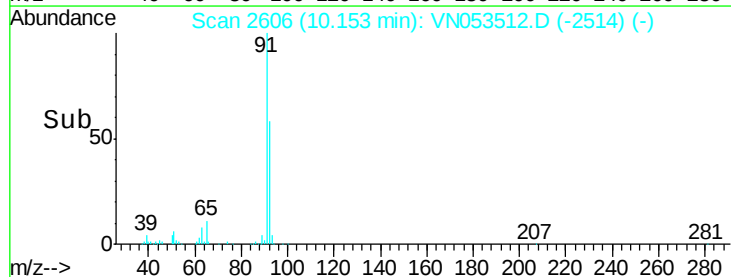
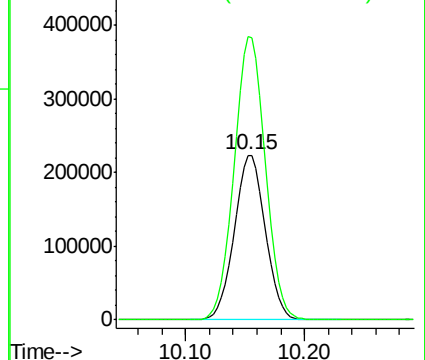
92 100

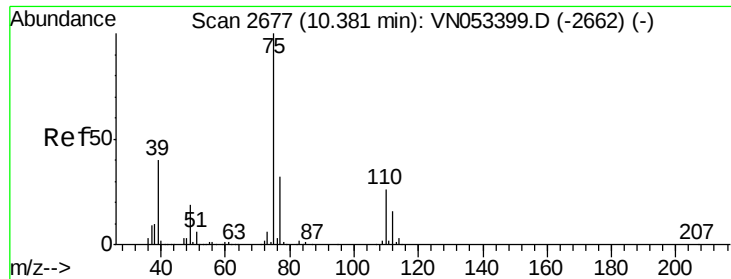
91 173.1 139.9 209.9



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 21.566 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN053512.D

Acq: 22 Jan 2019 12:04

Instrument :

MSVOA_N

ClientSampled :

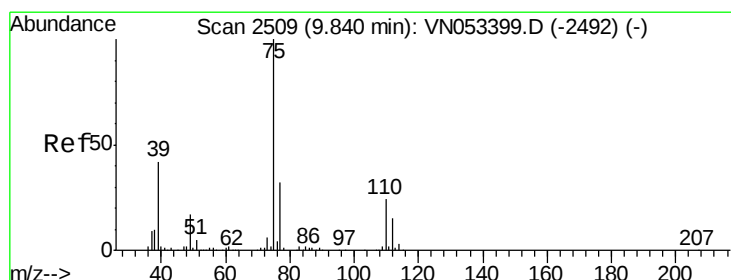
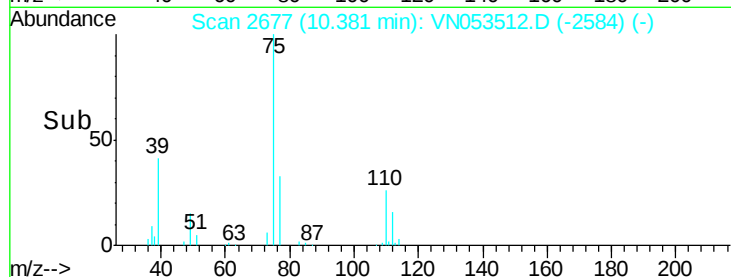
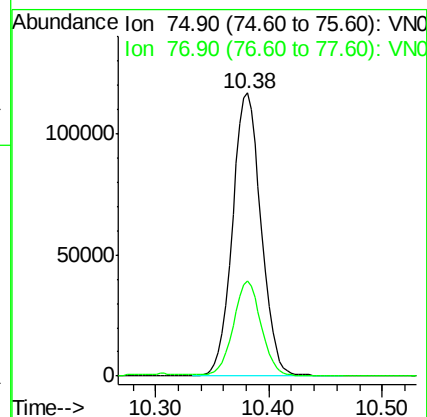
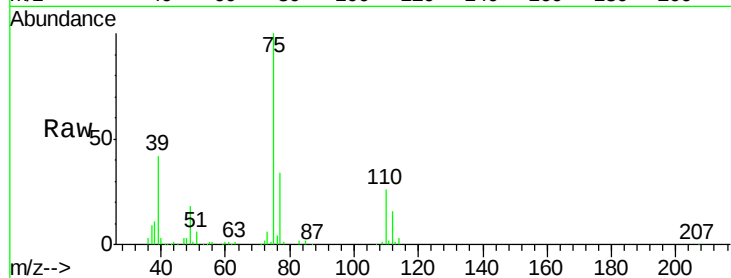
VN0122MBS01

Tot Ion: 75 Resp: 205600

Ion Ratio Lower Upper

75 100

77 33.4 25.5 38.3



#54

cis-1,3-Dichloropropene

Concen: 22.546 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. -0.00 min

Lab File: VN053512.D

Acq: 22 Jan 2019 12:04

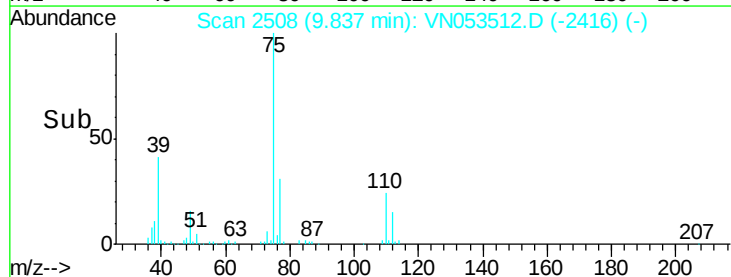
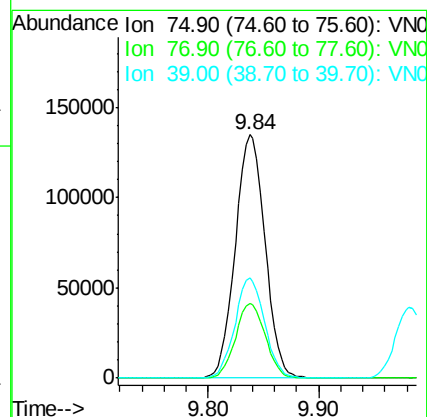
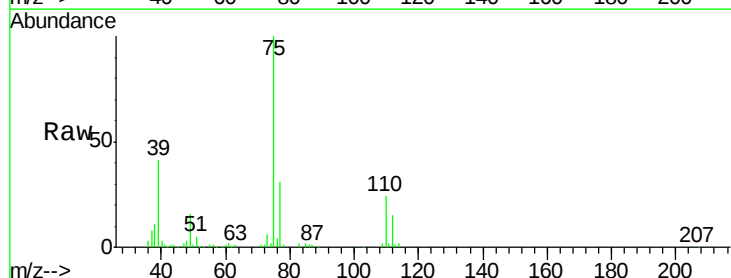
Tgt Ion: 75 Resp: 251969

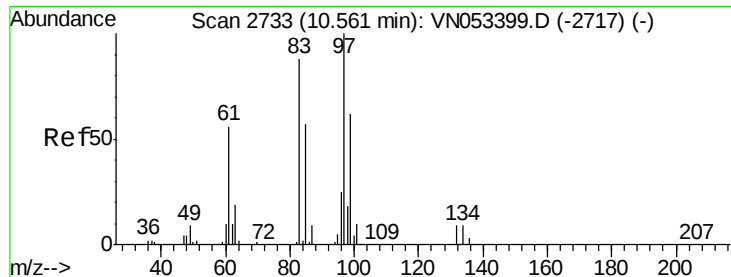
Ion Ratio Lower Upper

75 100

77 30.9 25.8 38.6

39 41.2 33.4 50.0

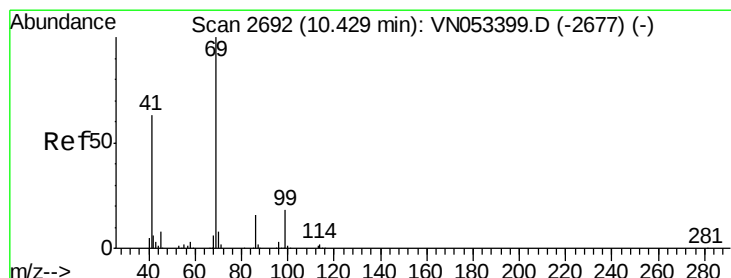
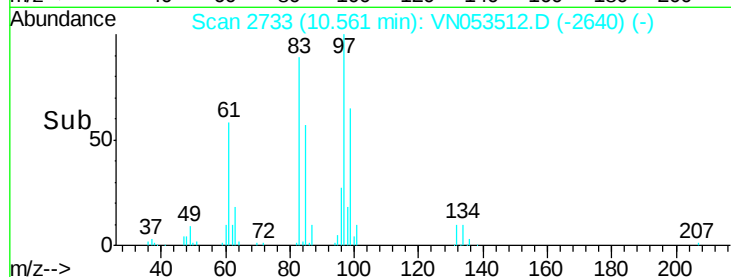
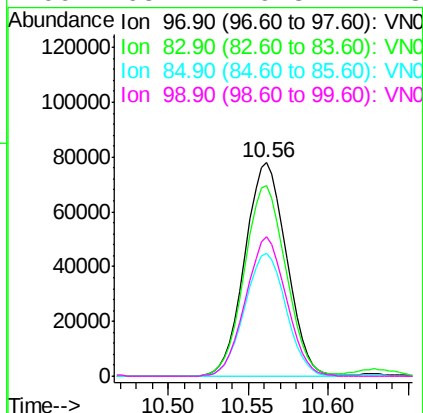
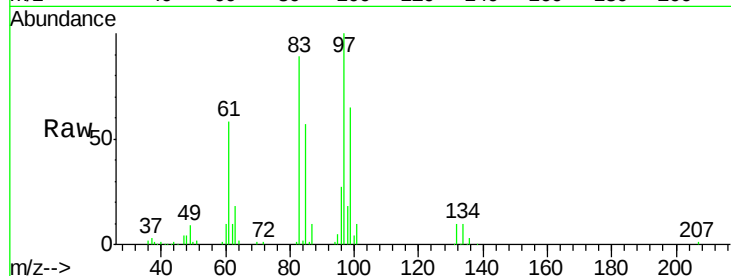




#55
 1,1,2-Trichloroethane
 Concen: 22.123 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN053512.D
 Acq: 22 Jan 2019 12:04

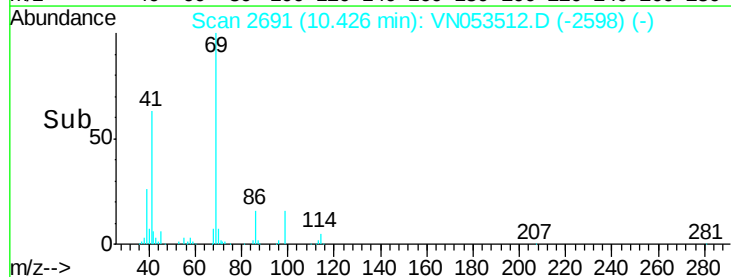
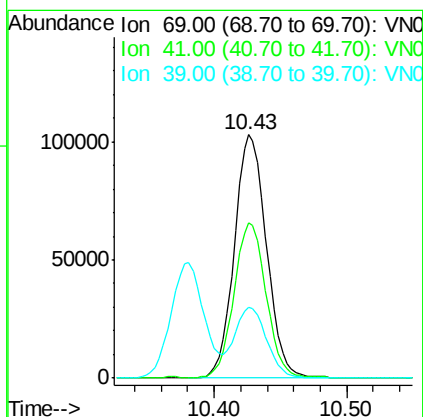
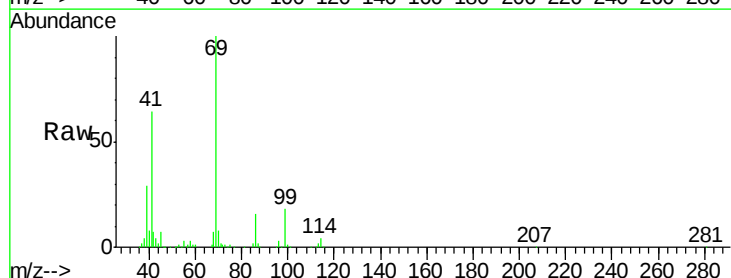
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0122MBS01

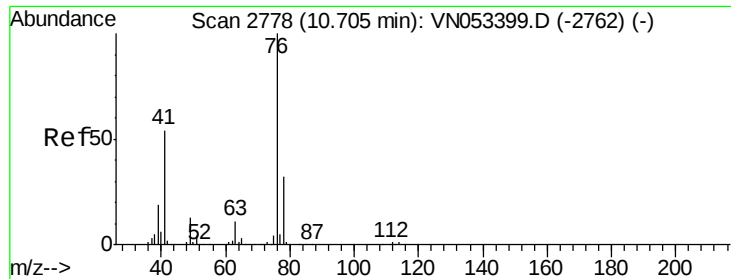
Tot Ion	97	Resp	139167
Ion Ratio	Lower	Upper	
97	100		
83	89.5	70.1	105.1
85	57.2	45.4	68.0
99	65.2	49.8	74.8



#56
 Ethyl methacrylate
 Concen: 20.657 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. -0.00 min
 Lab File: VN053512.D
 Acq: 22 Jan 2019 12:04

Tgt Ion	69	Resp	173169
Ion Ratio	Lower	Upper	
69	100		
41	63.5	49.4	74.0
39	28.6	23.3	34.9





#57

1,3-Dichloropropane

Concen: 22.385 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN053512.D

Acq: 22 Jan 2019 12:04

Instrument :

MSVOA_N

ClientSampleId :

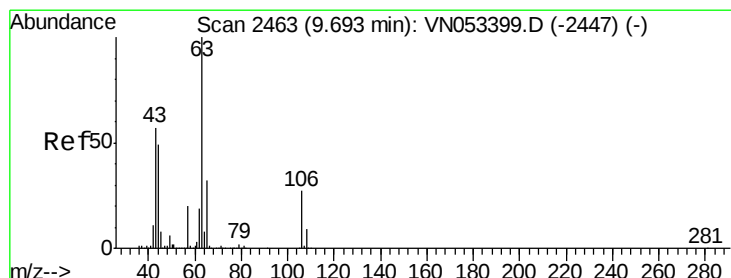
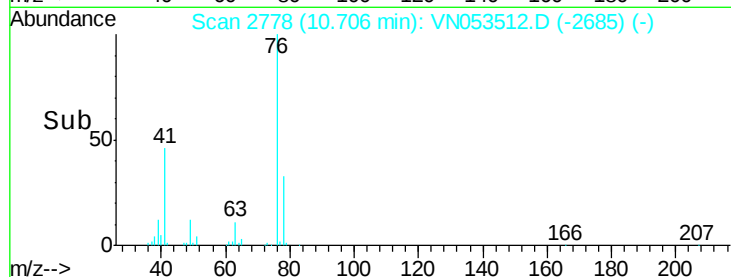
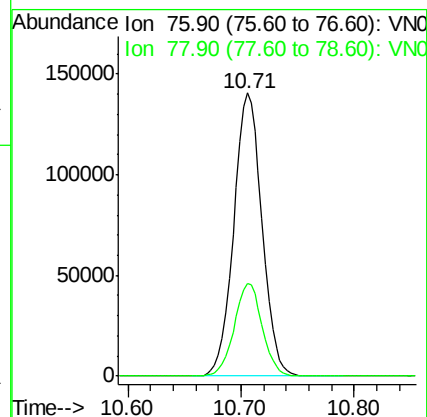
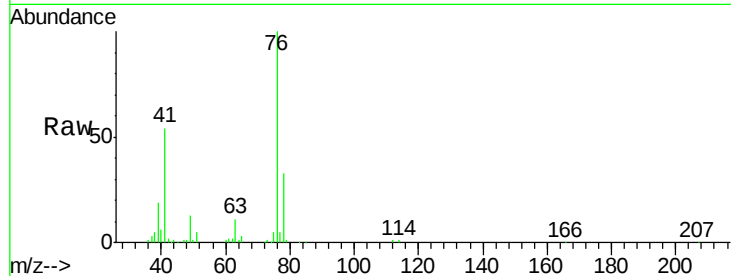
VN0122MBS01

Tot Ion: 76 Resp: 243585

Ion Ratio Lower Upper

76 100

78 32.5 25.6 38.4



#58

2-Chloroethyl Vinyl ether

Concen: 98.752 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. 0.00 min

Lab File: VN053512.D

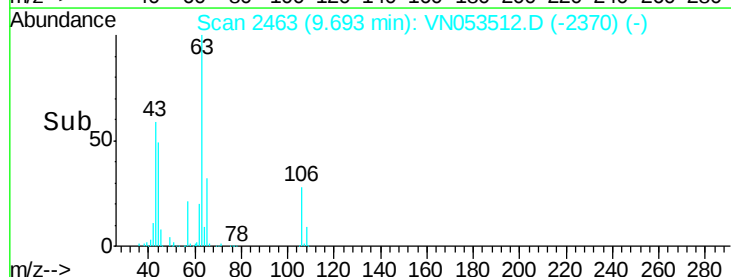
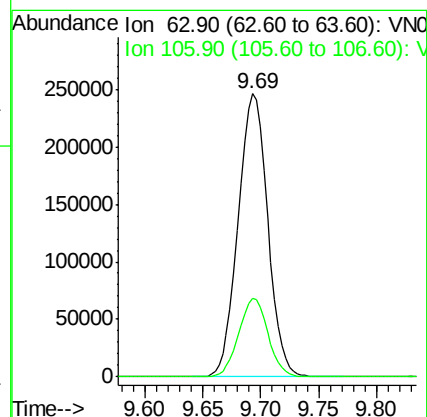
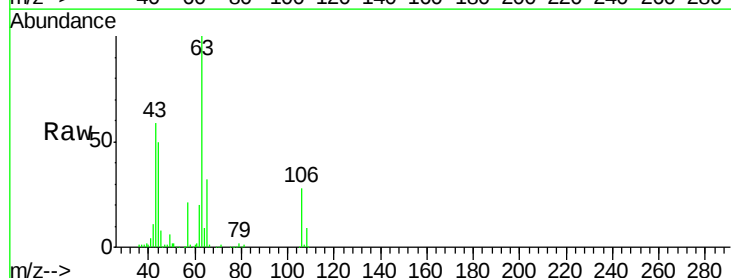
Acq: 22 Jan 2019 12:04

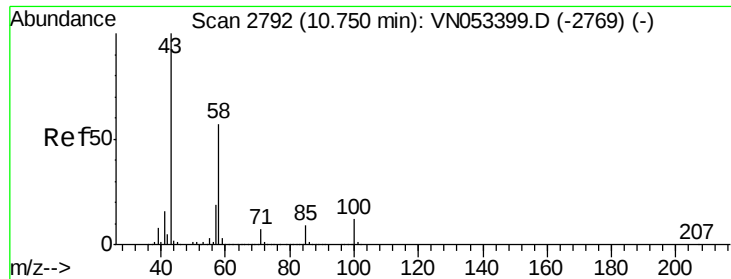
Tgt Ion: 63 Resp: 434581

Ion Ratio Lower Upper

63 100

106 27.3 21.5 32.3

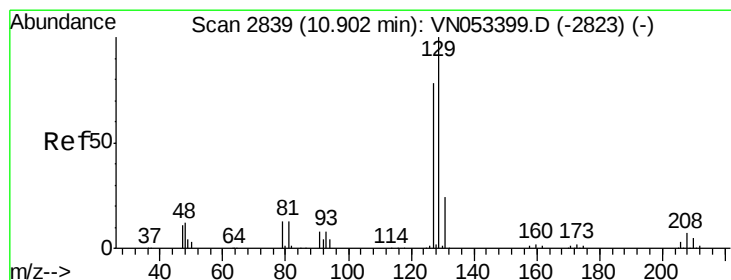
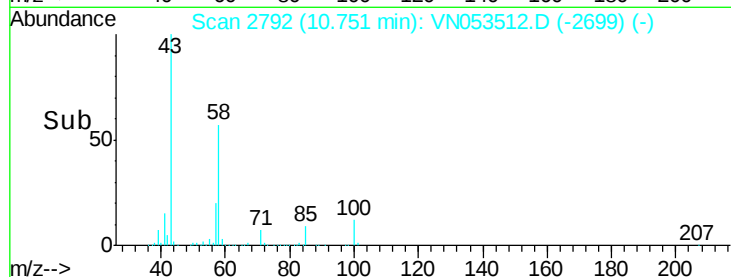
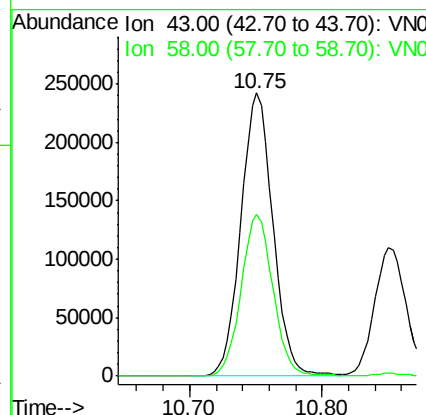
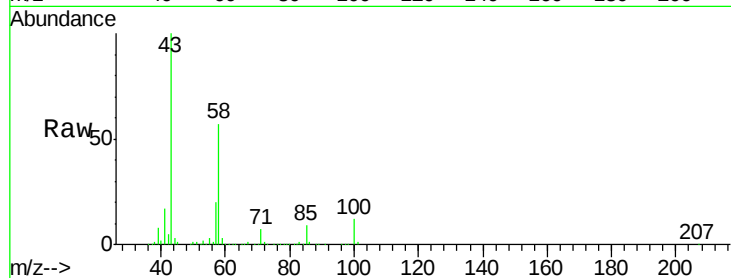




#59
2-Hexanone
Concen: 105.993 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN053512.D
Acq: 22 Jan 2019 12:04

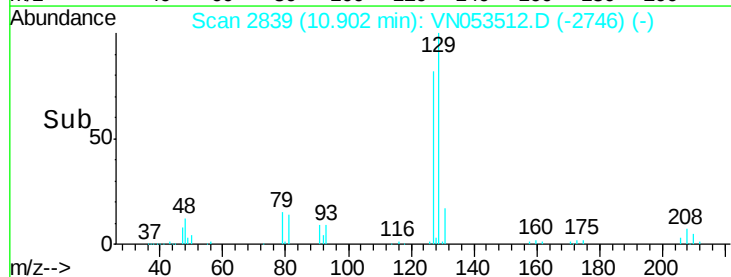
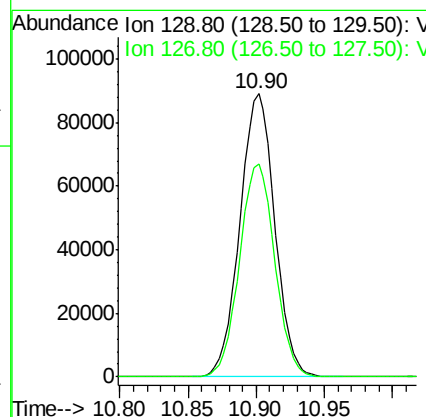
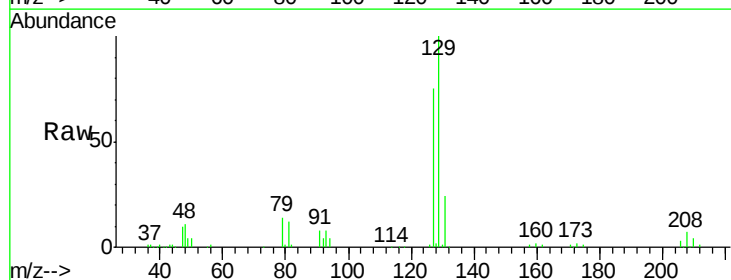
Instrument :
MSVOA_N
ClientSampled :
VN0122MBS01

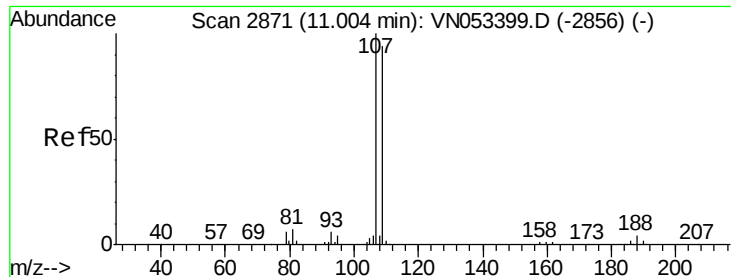
Tot Ion: 43 Resp: 406388
Ion Ratio Lower Upper
43 100
58 56.8 28.6 85.8



#60
Dibromochloromethane
Concen: 22.170 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN053512.D
Acq: 22 Jan 2019 12:04

Tgt Ion: 129 Resp: 158180
Ion Ratio Lower Upper
129 100
127 76.0 38.6 115.8

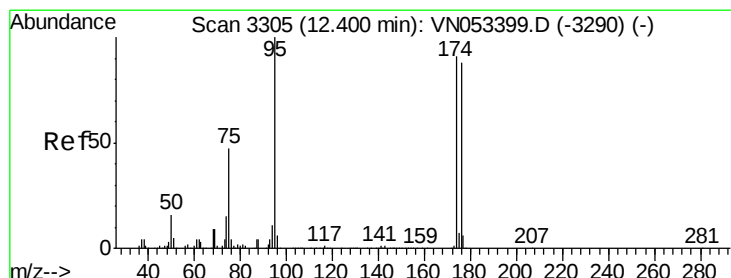
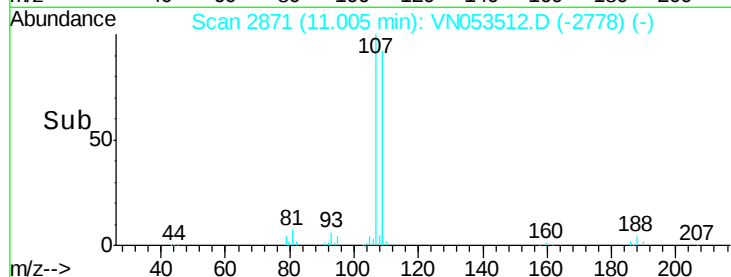
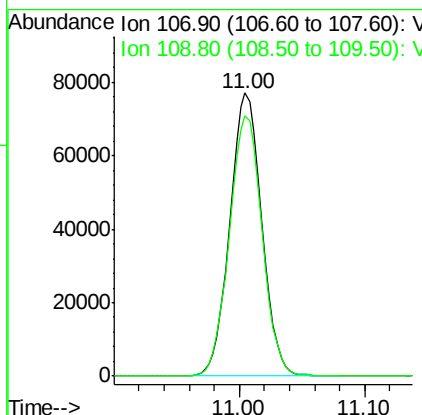
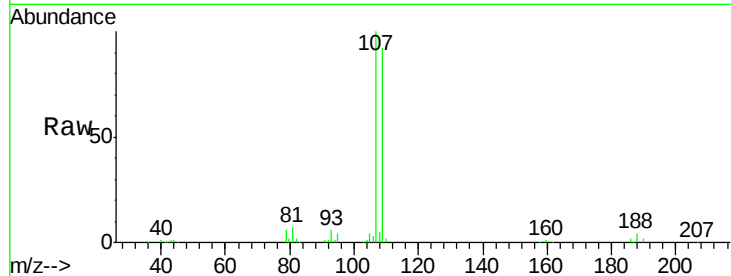




#61
 1,2-Dibromoethane
 Concen: 21.352 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN053512.D
 Acq: 22 Jan 2019 12:04

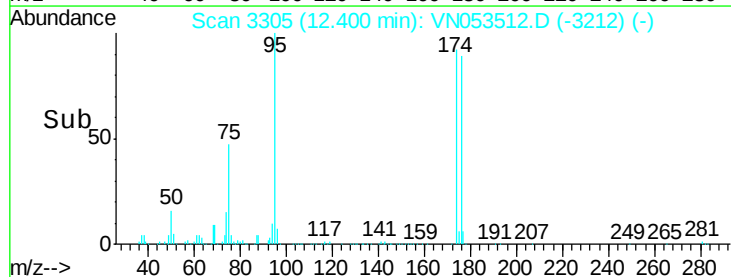
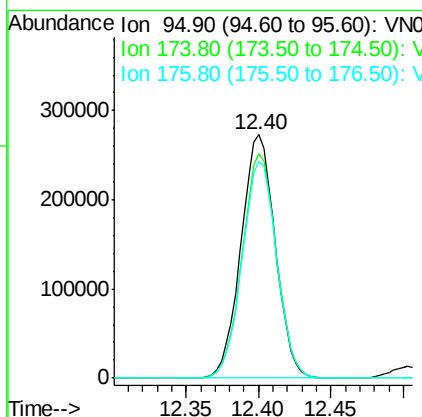
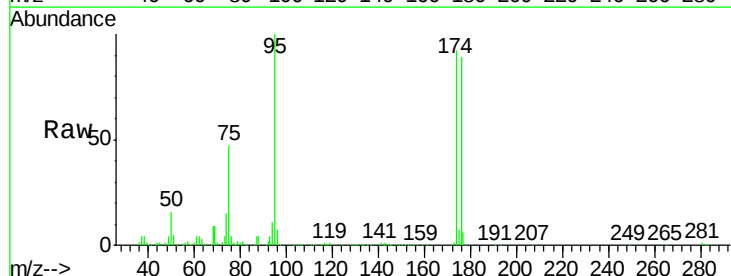
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0122MBS01

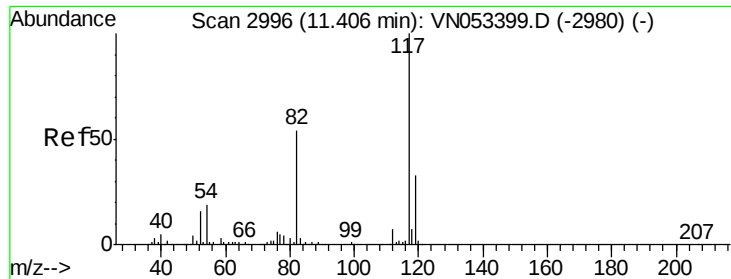
Tot Ion:107 Resp: 135841
 Ion Ratio Lower Upper
 107 100
 109 94.6 75.7 113.5



#62
 4-Bromofluorobenzene
 Concen: 21.352 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN053512.D
 Acq: 22 Jan 2019 12:04

Tgt Ion: 95 Resp: 448699
 Ion Ratio Lower Upper
 95 100
 174 92.7 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: VN053512.D

Acq: 22 Jan 2019 12:04

Instrument :

MSVOA_N

ClientSampleId :

VN0122MBS01

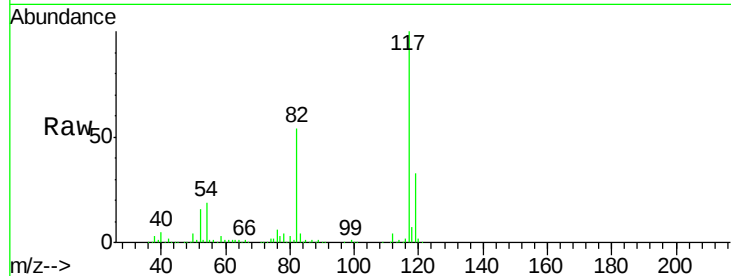
Tot Ion:117 Resp: 950246

Ion Ratio Lower Upper

117 100

82 53.8 42.9 64.3

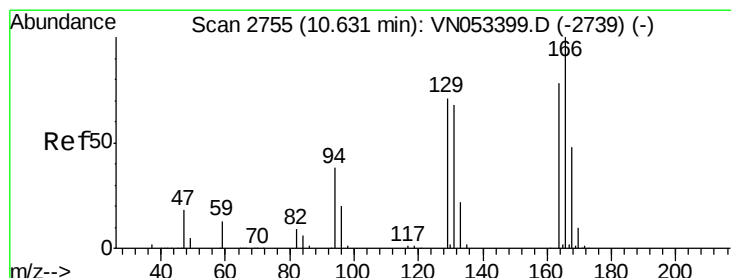
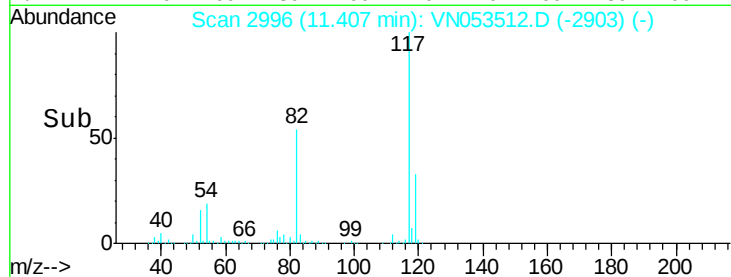
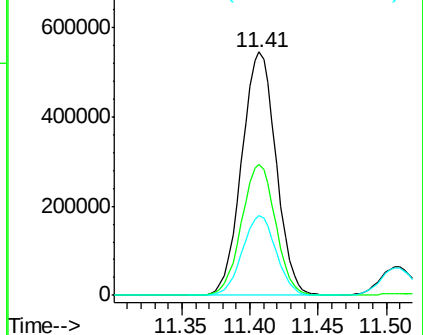
119 32.8 26.0 39.0



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: 23.189 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. -0.00 min

Lab File: VN053512.D

Acq: 22 Jan 2019 12:04

Tgt Ion:164 Resp: 207659

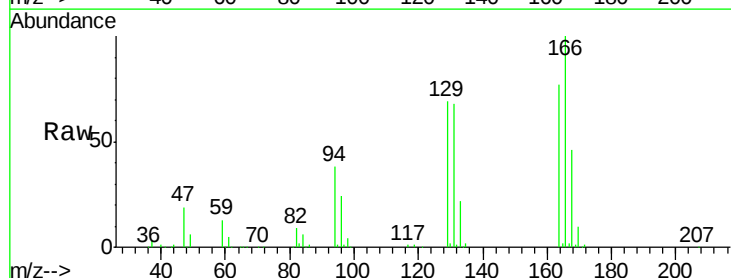
Ion Ratio Lower Upper

164 100

166 129.5 102.2 153.4

129 88.9 72.6 109.0

131 88.1 69.5 104.3

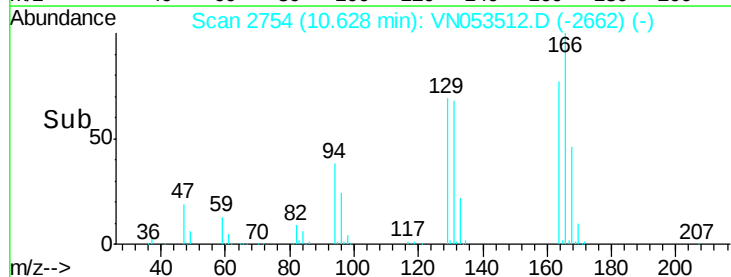
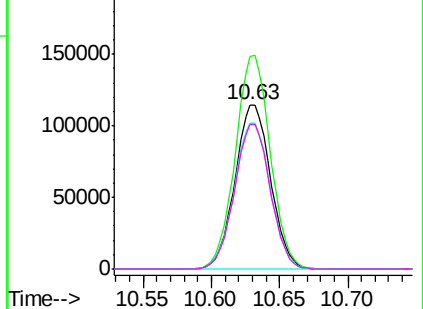


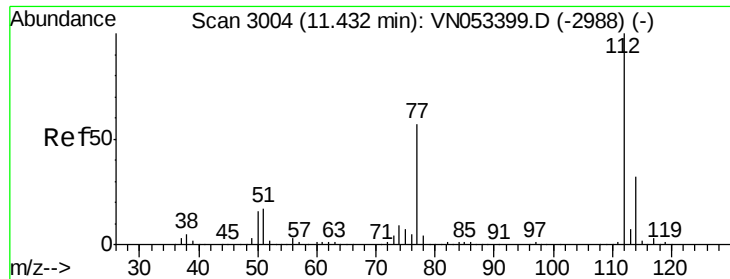
Abundance Ion 163.80 (163.50 to 164.50): V

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

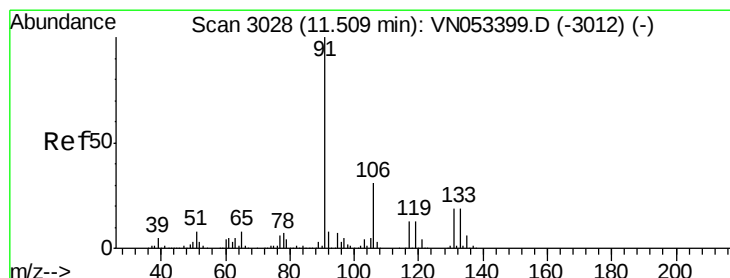
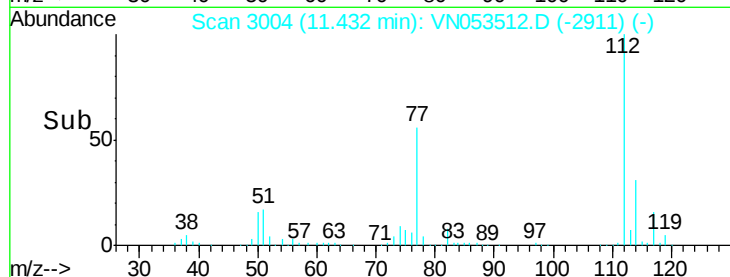
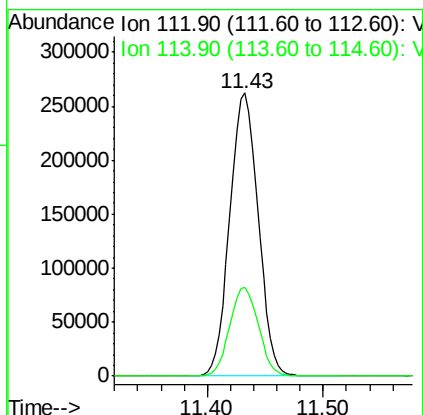
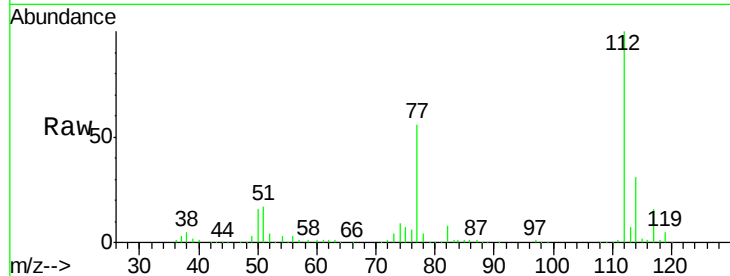




#65
Chlorobenzene
Concen: 22.186 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN053512.D
Acq: 22 Jan 2019 12:04

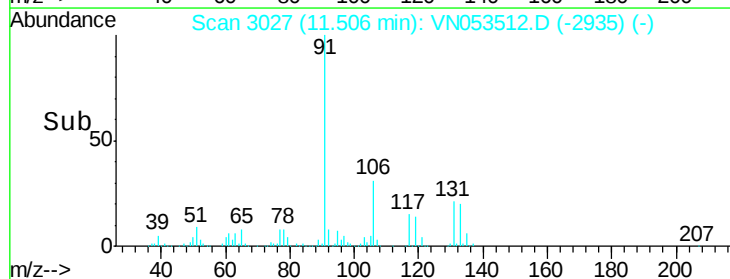
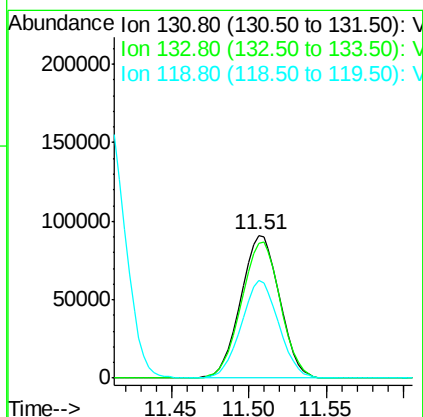
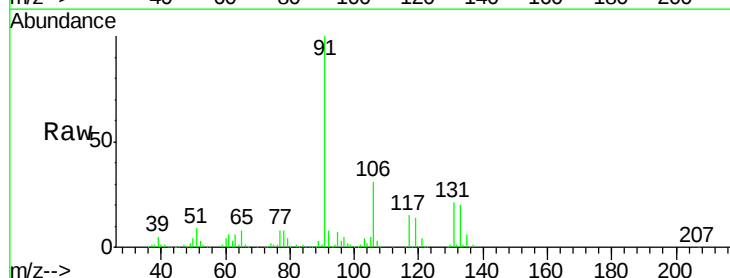
Instrument :
MSVOA_N
ClientSampled :
VN0122MBS01

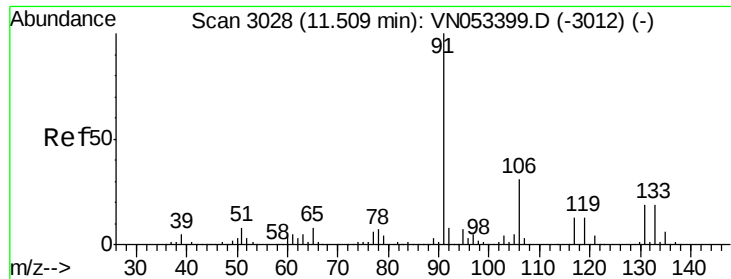
Tot Ion:112 Resp: 446229
Ion Ratio Lower Upper
112 100
114 31.4 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 22.728 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN053512.D
Acq: 22 Jan 2019 12:04

Tgt Ion:131 Resp: 159034
Ion Ratio Lower Upper
131 100
133 95.5 48.0 144.0
119 65.9 33.5 100.5

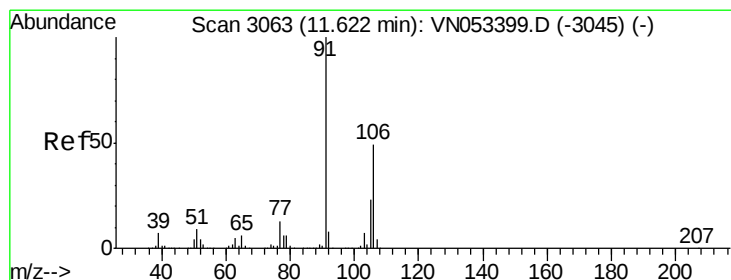
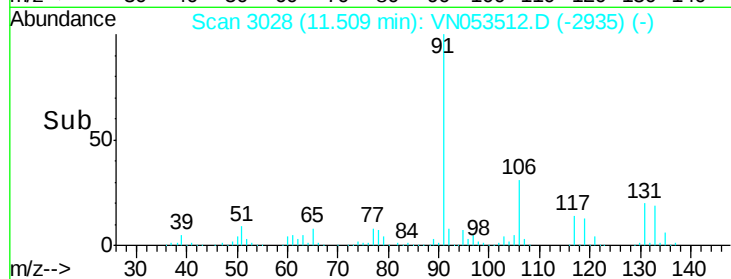
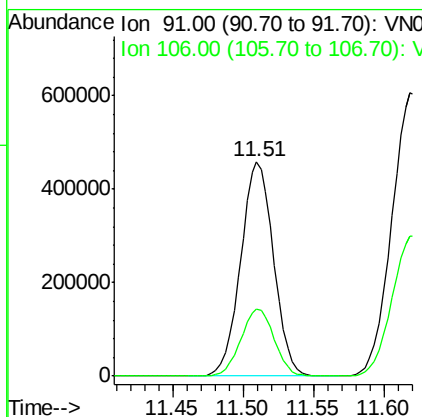
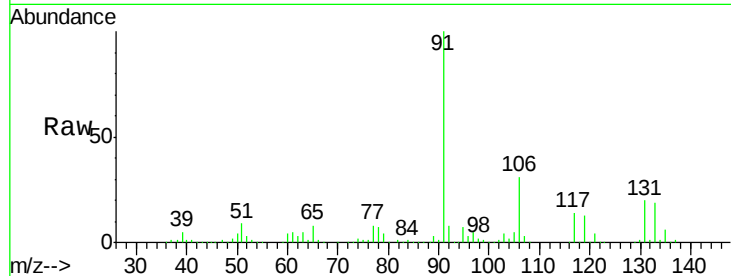




#67
Ethyl Benzene
Concen: 21.901 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN053512.D
Acq: 22 Jan 2019 12:04

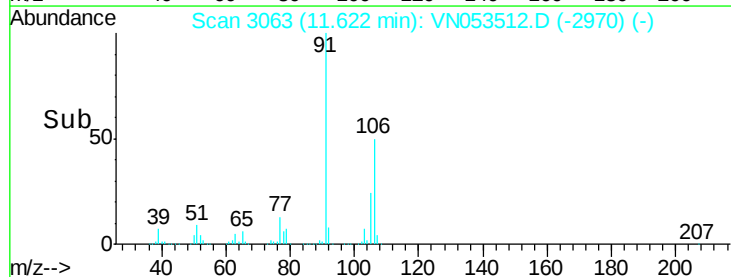
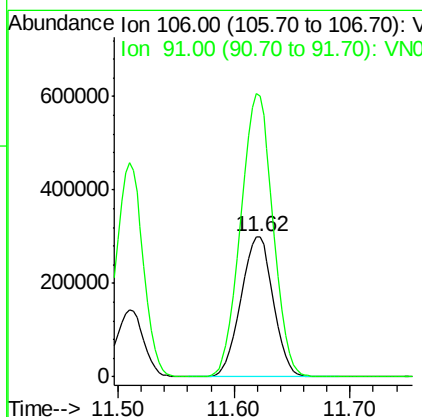
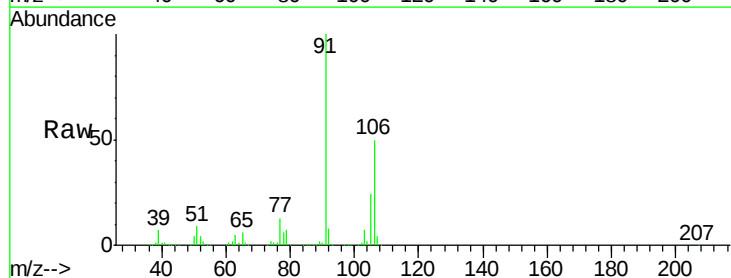
Instrument :
MSVOA_N
ClientSampled :
VN0122MBS01

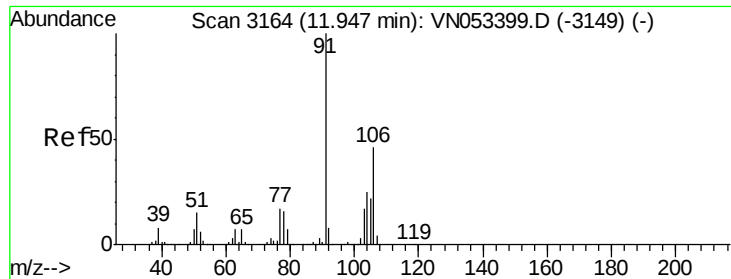
Tot Ion: 91 Resp: 750741
Ion Ratio Lower Upper
91 100
106 31.1 25.0 37.6



#68
m/p-Xylenes
Concen: 44.929 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053512.D
Acq: 22 Jan 2019 12:04

Tgt Ion: 106 Resp: 581475
Ion Ratio Lower Upper
106 100
91 200.8 161.4 242.2

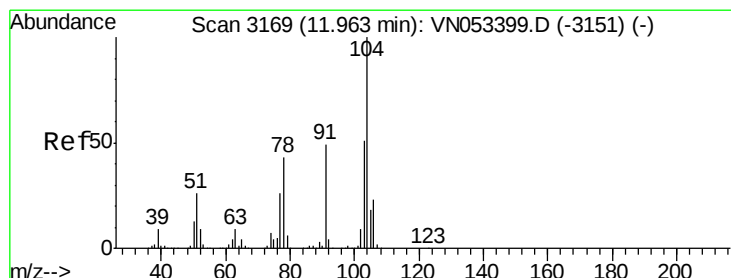
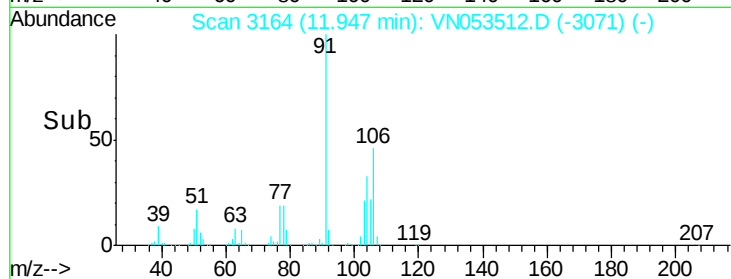
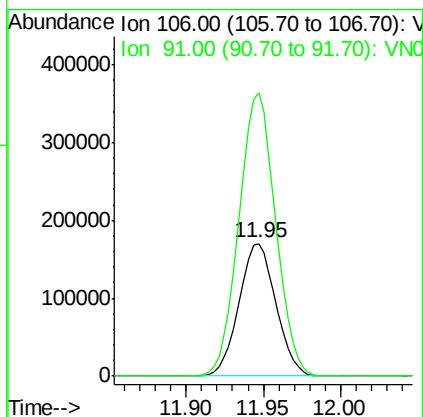
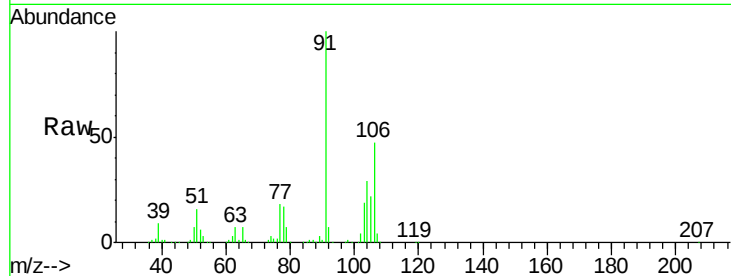




#69
o-Xylene
Concen: 22.518 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053512.D
Acq: 22 Jan 2019 12:04

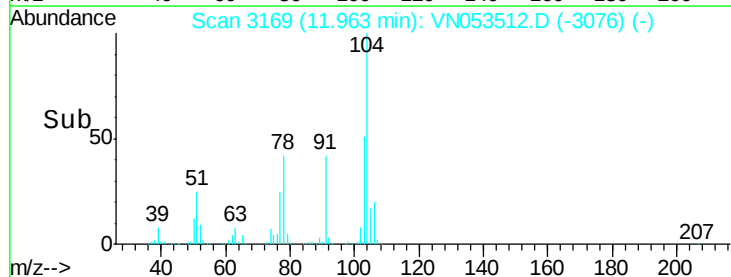
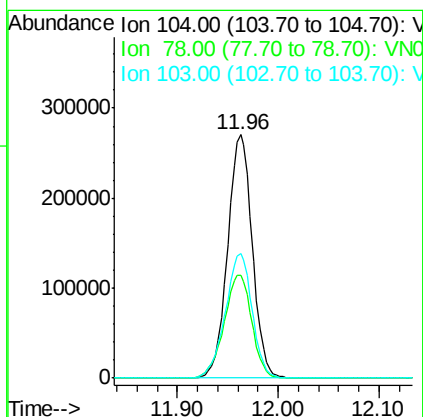
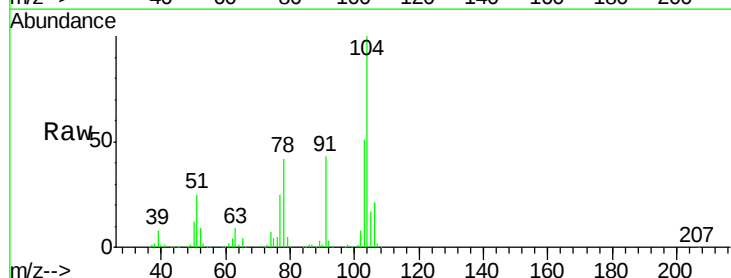
Instrument :
MSVOA_N
ClientSampled :
VN0122MBS01

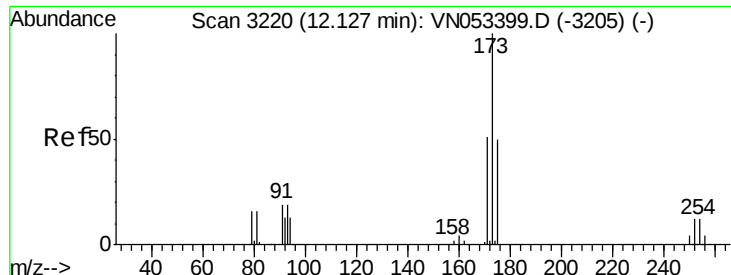
Tot Ion:106 Resp: 283180
Ion Ratio Lower Upper
106 100
91 211.8 106.9 320.8



#70
Styrene
Concen: 22.582 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN053512.D
Acq: 22 Jan 2019 12:04

Tgt Ion:104 Resp: 460890
Ion Ratio Lower Upper
104 100
78 47.5 38.2 57.2
103 55.8 44.4 66.6

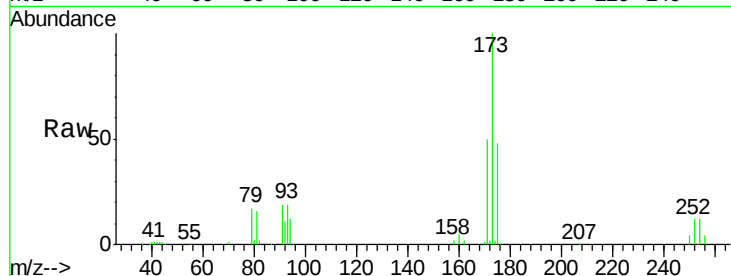




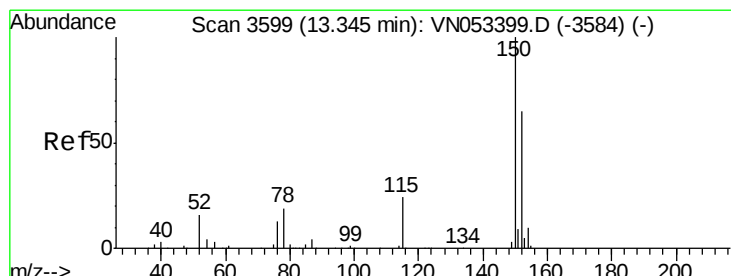
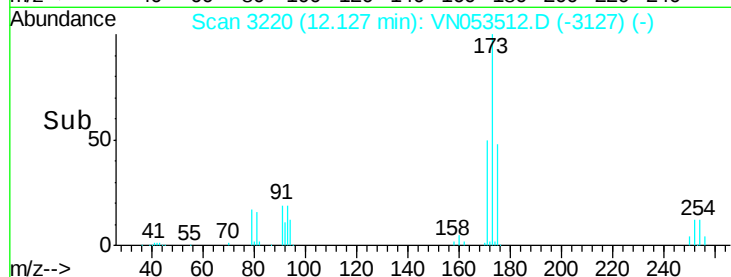
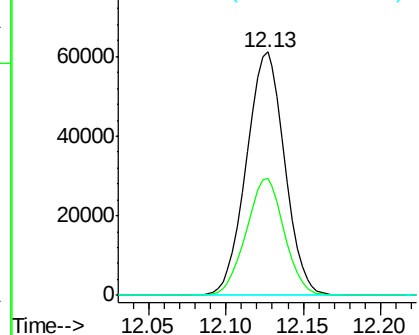
#71
Bromoform
Concen: 21.864 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN053512.D
Acq: 22 Jan 2019 12:04

Instrument :
MSVOA_N
ClientSampleId :
VN0122MBS01

Tot Ion:173 Resp: 105324
Ion Ratio Lower Upper
173 100
175 47.6 24.6 74.0
254 0.0 0.2 0.2#

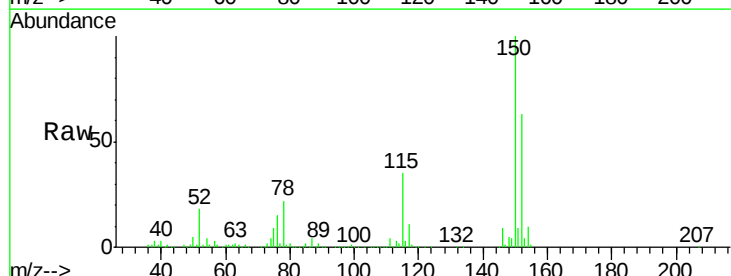


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

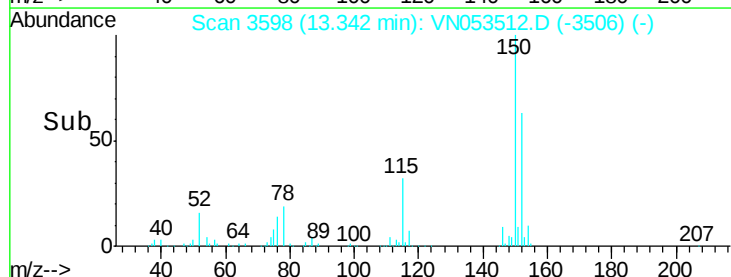
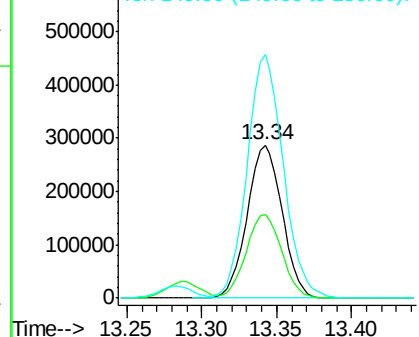


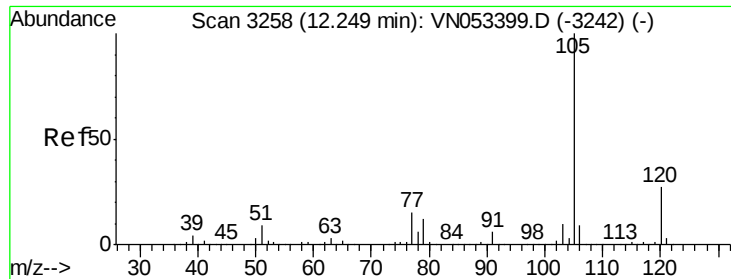
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN053512.D
Acq: 22 Jan 2019 12:04

Tgt Ion:152 Resp: 466723
Ion Ratio Lower Upper
152 100
115 55.4 27.8 83.4
150 164.7 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: 21.882 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053512.D

Acq: 22 Jan 2019 12:04

Instrument :

MSVOA_N

ClientSampled :

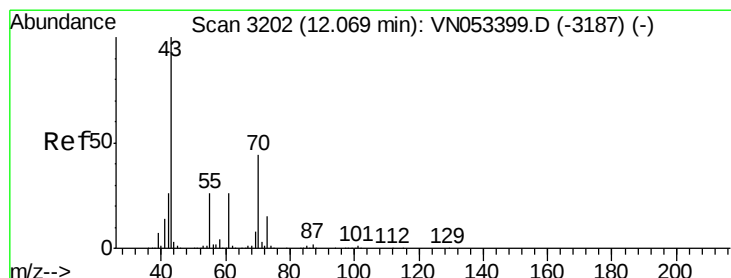
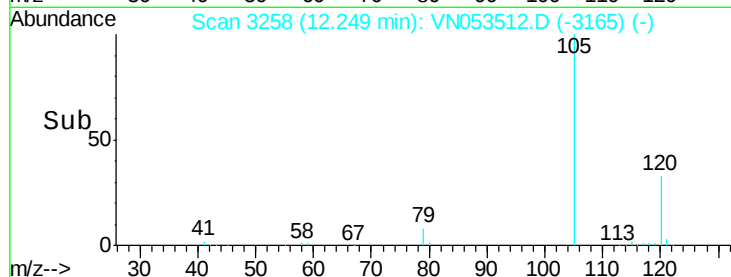
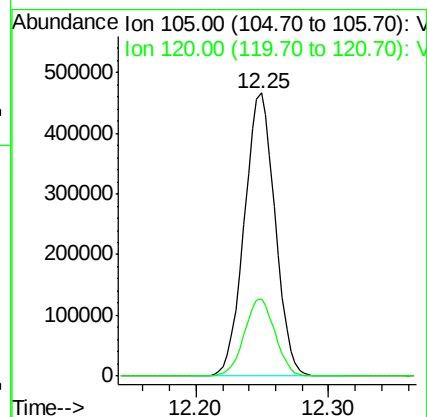
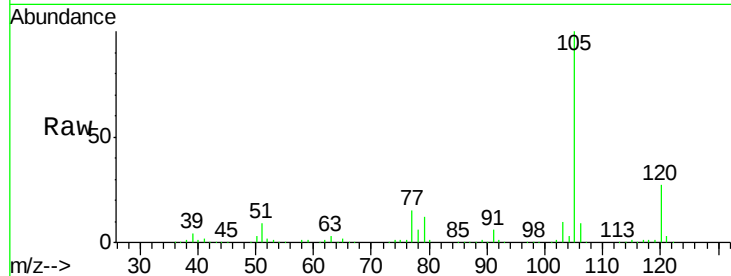
VN0122MBS01

Tot Ion:105 Resp: 747902

Ion Ratio Lower Upper

105 100

120 27.3 13.6 40.7



#74

N-ethyl acetate

Concen: 20.769 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN053512.D

Acq: 22 Jan 2019 12:04

Tgt Ion: 43 Resp: 189228

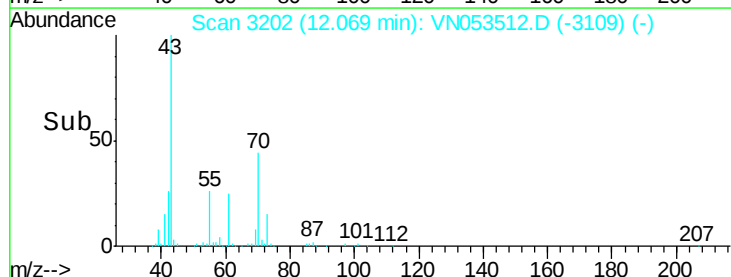
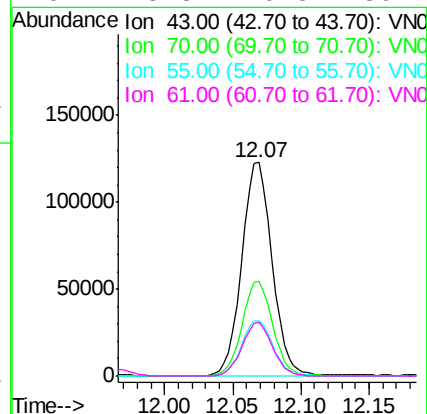
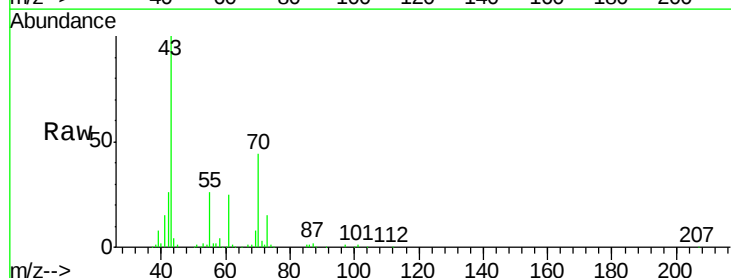
Ion Ratio Lower Upper

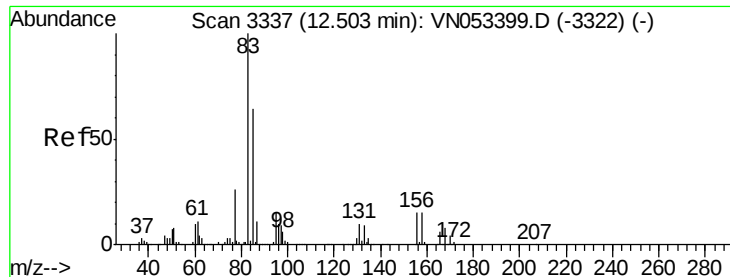
43 100

70 45.0 35.4 53.2

55 27.2 20.9 31.3

61 25.3 20.5 30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 20.547 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN053512.D

Acq: 22 Jan 2019 12:04

Instrument :

MSVOA_N

ClientSampleId :

VN0122MBS01

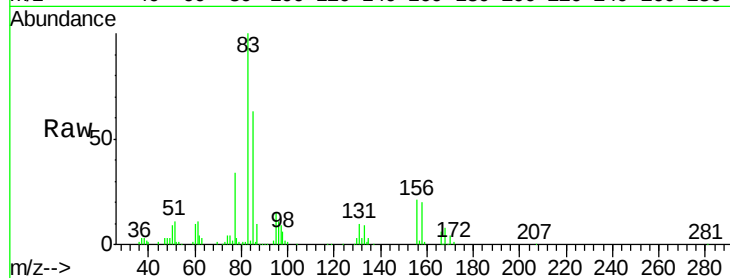
Tot Ion: 83 Resp: 147285

Ion Ratio Lower Upper

83 100

131 11.0 5.3 15.8

85 63.9 32.1 96.3

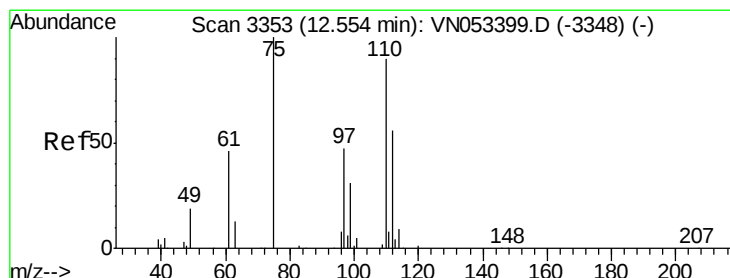
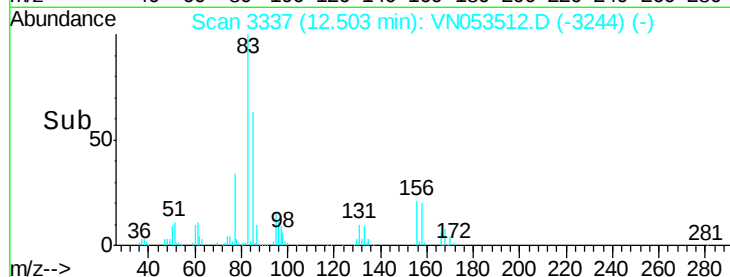


Abundance Ion 82.90 (82.60 to 83.60): VN053399.D (-3322) (-)

Ion 130.80 (130.50 to 131.50): VN053399.D (-3322) (-)

Ion 84.90 (84.60 to 85.60): VN053399.D (-3322) (-)

Time-->



#76

1,2,3-Trichloropropane

Concen: 33.529 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN053512.D

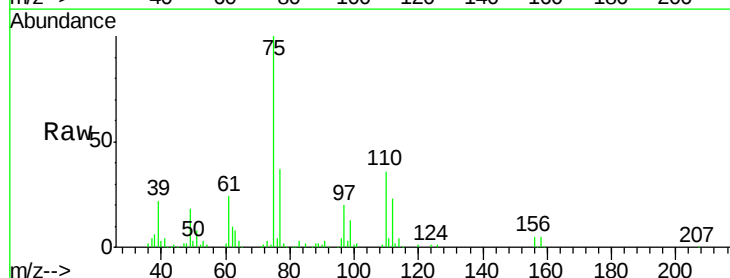
Acq: 22 Jan 2019 12:04

Tgt Ion: 75 Resp: 206223

Ion Ratio Lower Upper

75 100

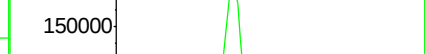
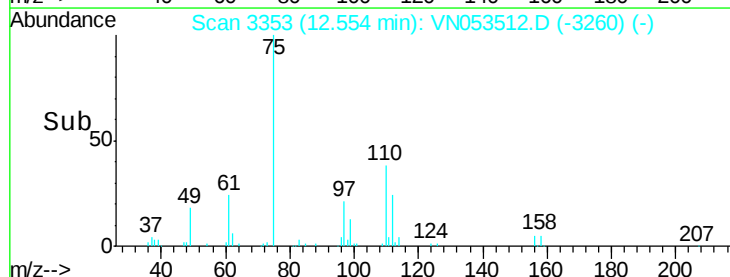
77 0.0 0.0 0.0

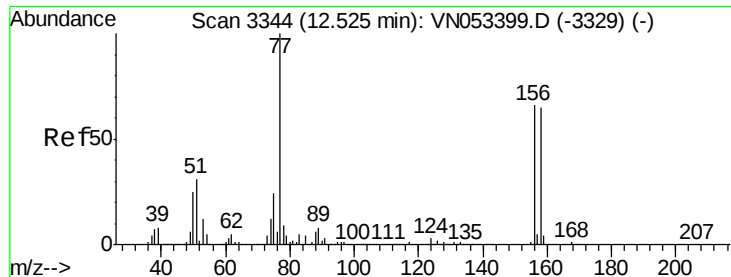


Abundance Ion 74.90 (74.60 to 75.60): VN053399.D (-3348) (-)

Ion 77.00 (76.70 to 77.70): VN053399.D (-3348) (-)

Time-->





#77

Bromobenzene

Concen: 21.749 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053512.D

Acq: 22 Jan 2019 12:04

Instrument :

MSVOA_N

ClientSampleId :

VN0122MBS01

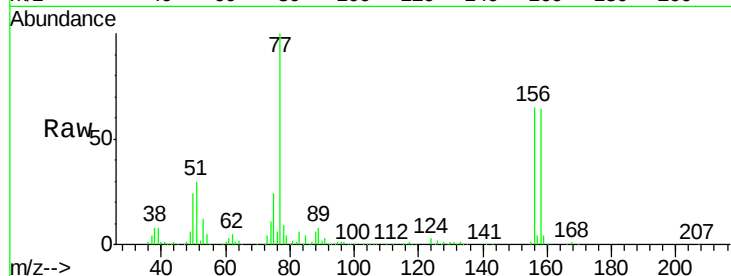
Tot Ion:156 Resp: 195875

Ion Ratio Lower Upper

156 100

77 174.0 87.9 263.8

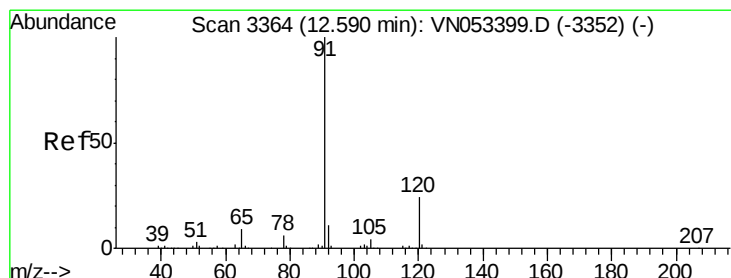
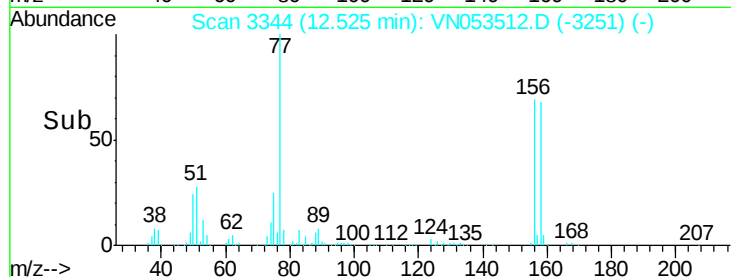
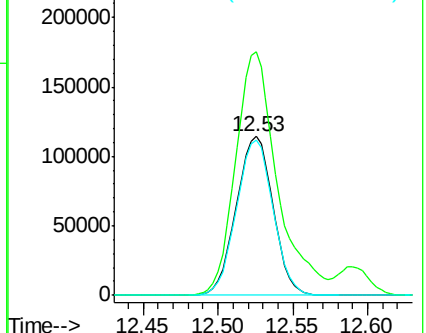
158 97.6 48.8 146.4



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: 21.932 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN053512.D

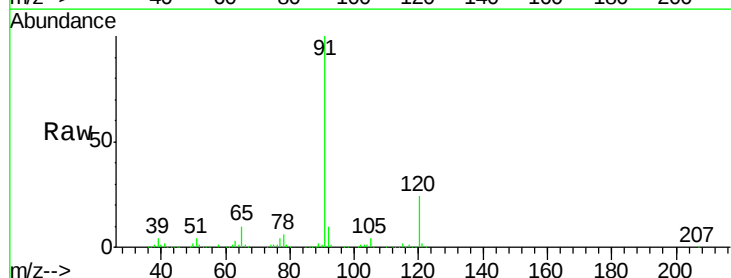
Acq: 22 Jan 2019 12:04

Tgt Ion: 91 Resp: 860458

Ion Ratio Lower Upper

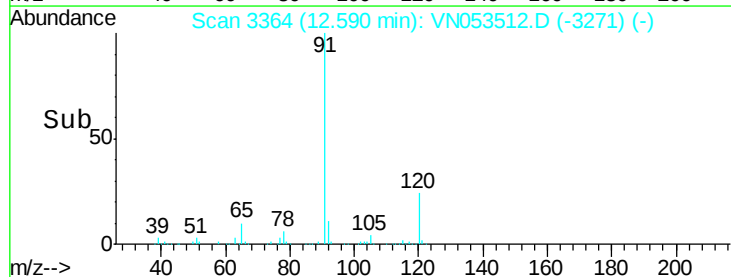
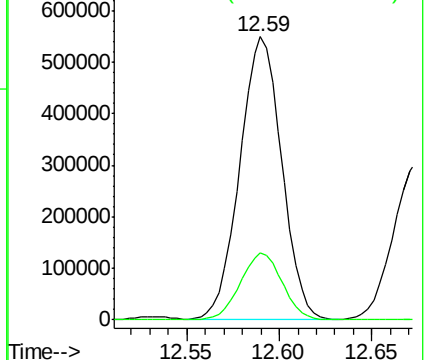
91 100

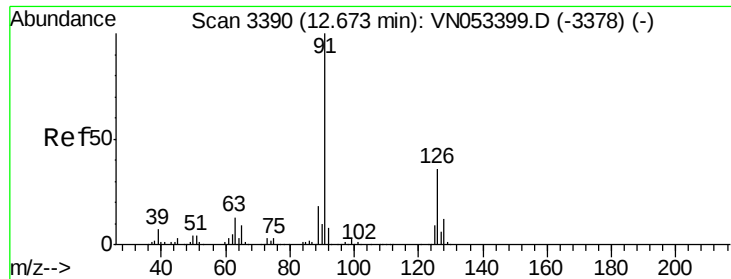
120 23.7 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

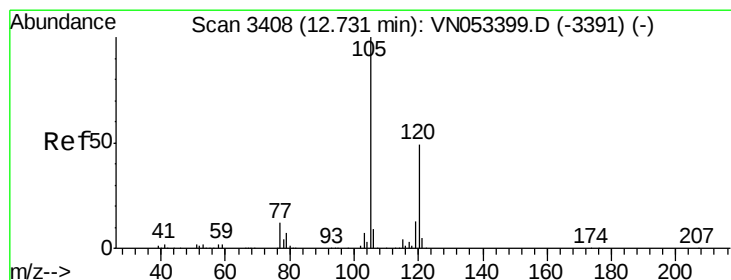
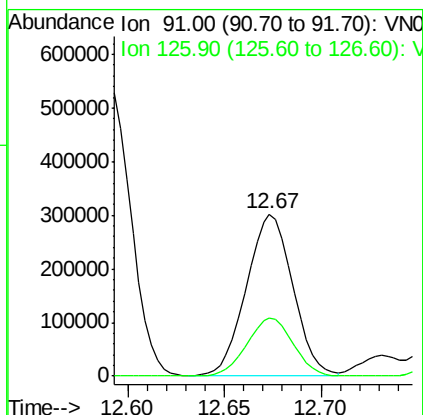
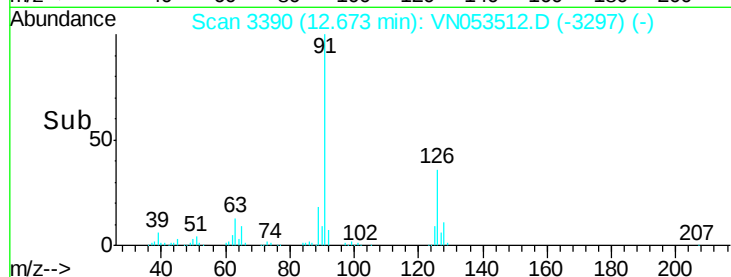
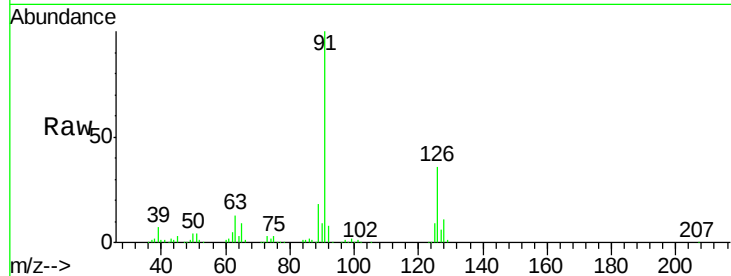




#79
 2-Chlorotoluene
 Concen: 21.619 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VN053512.D
 Acq: 22 Jan 2019 12:04

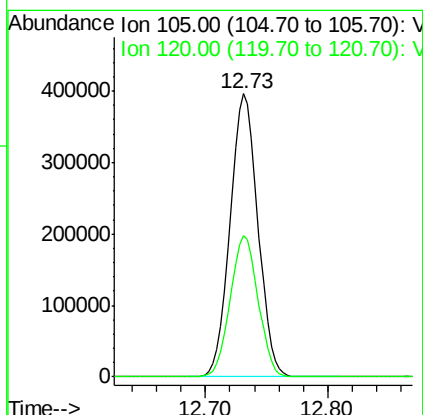
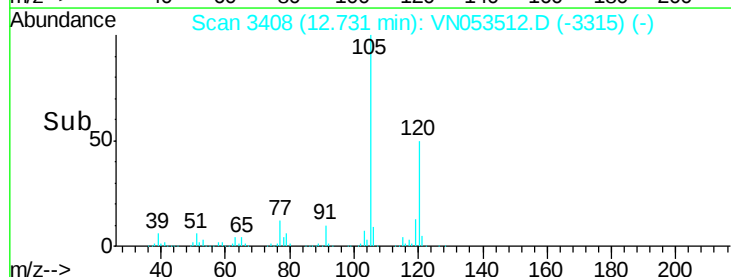
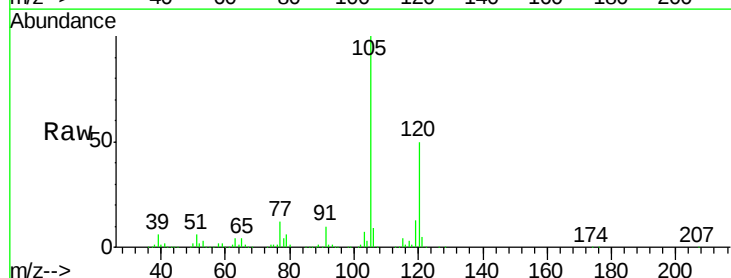
Instrument :
 MSVOA_N
 ClientSampled :
 VN0122MBS01

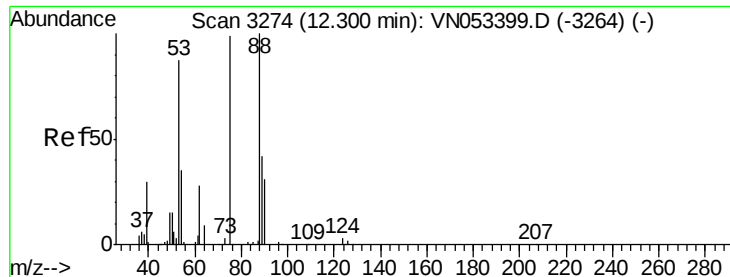
Tot Ion: 91 Resp: 502753
 Ion Ratio Lower Upper
 91 100
 126 36.1 17.9 53.7



#80
 1,3,5-Trimethylbenzene
 Concen: 22.521 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN053512.D
 Acq: 22 Jan 2019 12:04

Tgt Ion: 105 Resp: 626284
 Ion Ratio Lower Upper
 105 100
 120 50.3 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 20.247 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. -0.00 min

Lab File: VN053512.D

Acq: 22 Jan 2019 12:04

Instrument :

MSVOA_N

ClientSampleId :

VN0122MBS01

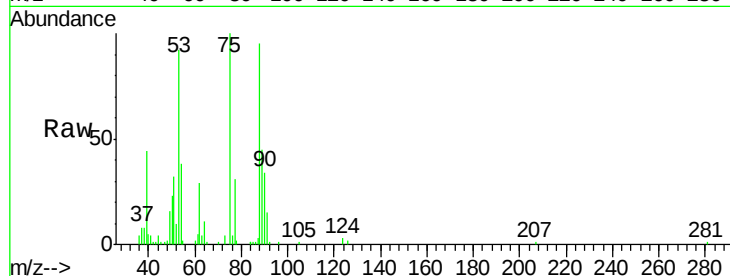
Tot Ion: 75 Resp: 45348

Ion Ratio Lower Upper

75 100

53 94.0 69.8 104.6

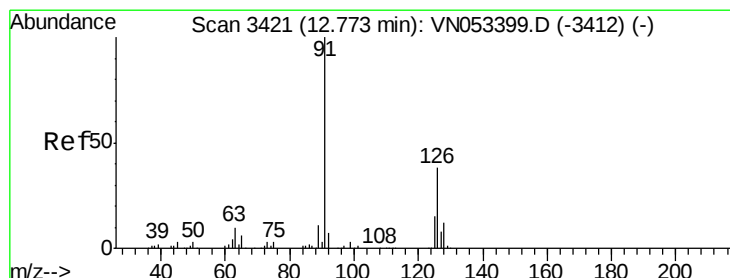
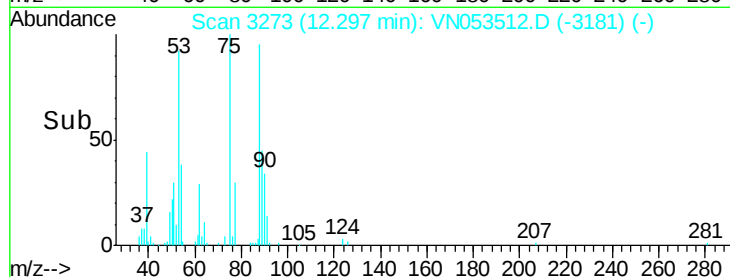
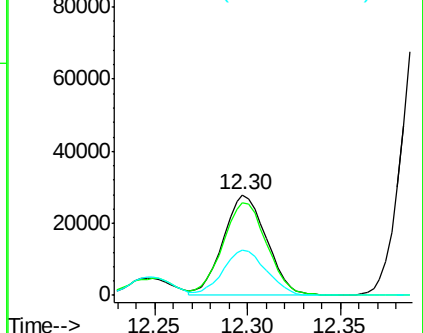
89 45.1 35.6 53.4



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 22.048 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN053512.D

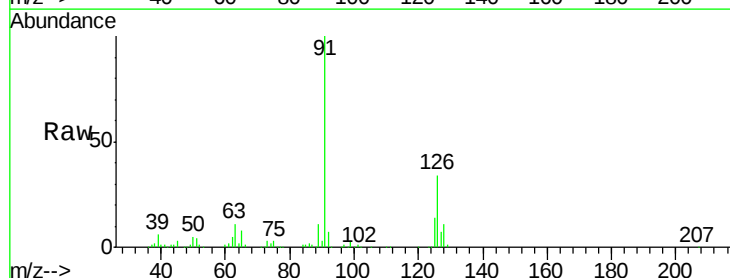
Acq: 22 Jan 2019 12:04

Tgt Ion: 91 Resp: 522868

Ion Ratio Lower Upper

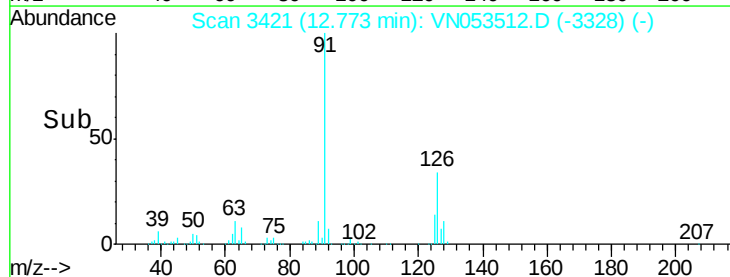
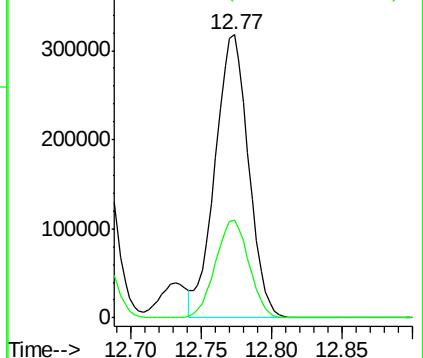
91 100

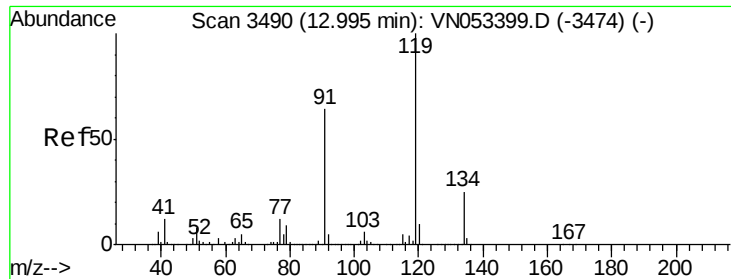
126 34.8 17.6 52.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

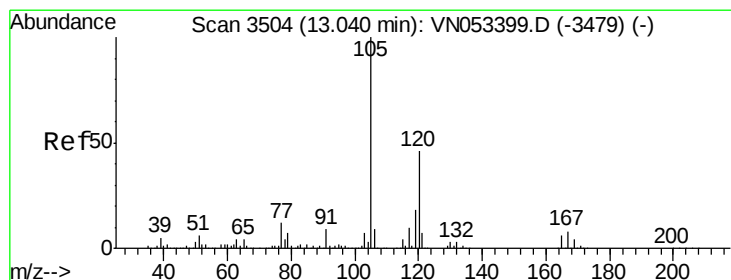
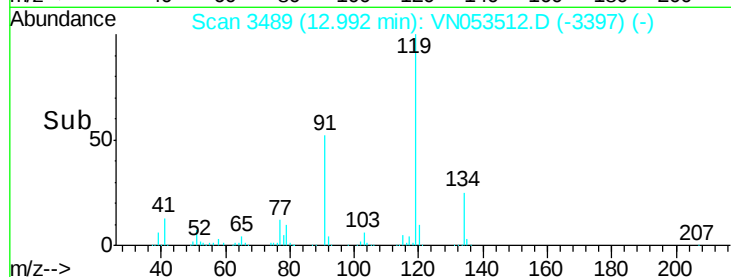
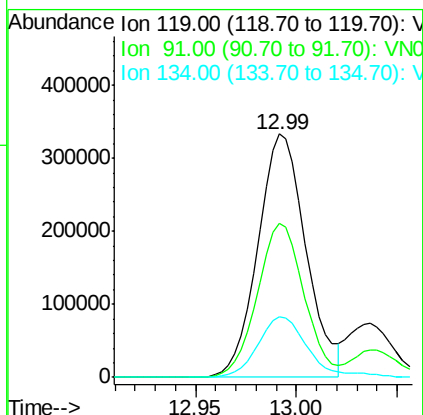
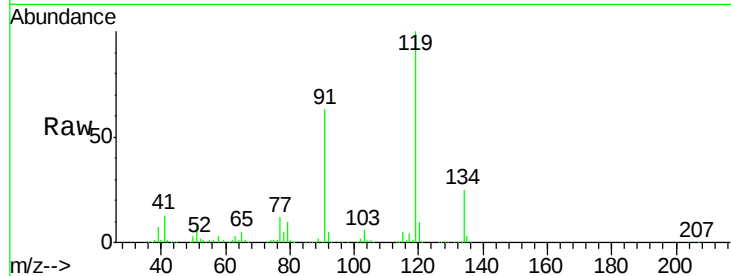




#83
 tert-Butylbenzene
 Concen: 22.555 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. -0.00 min
 Lab File: VN053512.D
 Acq: 22 Jan 2019 12:04

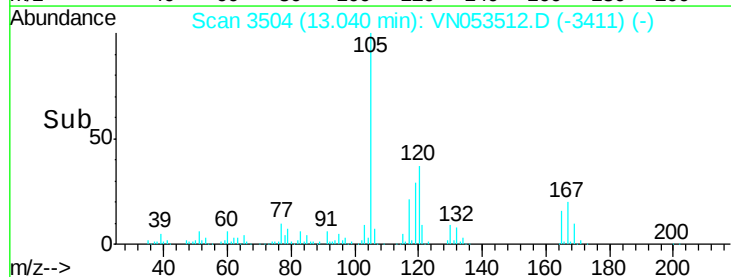
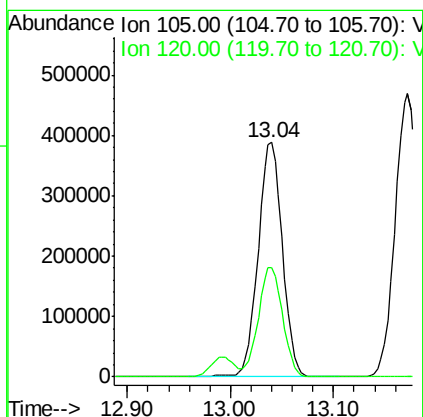
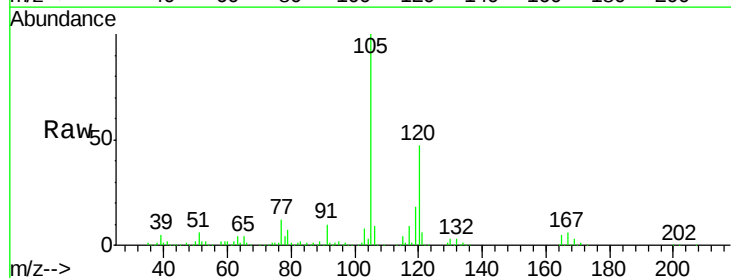
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0122MBS01

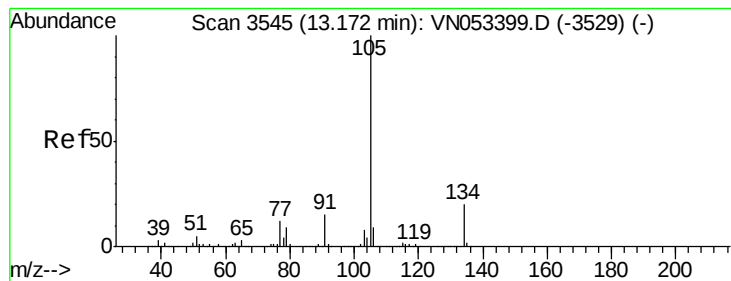
Tot Ion:119 Resp: 553967
 Ion Ratio Lower Upper
 119 100
 91 61.6 31.3 93.8
 134 25.7 12.9 38.7



#84
 1,2,4-Trimethylbenzene
 Concen: 22.509 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN053512.D
 Acq: 22 Jan 2019 12:04

Tgt Ion:105 Resp: 631130
 Ion Ratio Lower Upper
 105 100
 120 46.6 23.0 69.0





#85

sec-Butylbenzene

Concen: 22.219 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053512.D

Acq: 22 Jan 2019 12:04

Instrument :

MSVOA_N

ClientSampled :

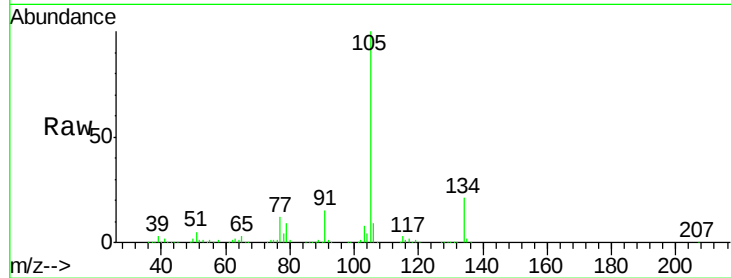
VN0122MBS01

Tot Ion:105 Resp: 748447

Ion Ratio Lower Upper

105 100

134 20.5 10.2 30.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

500000

400000

300000

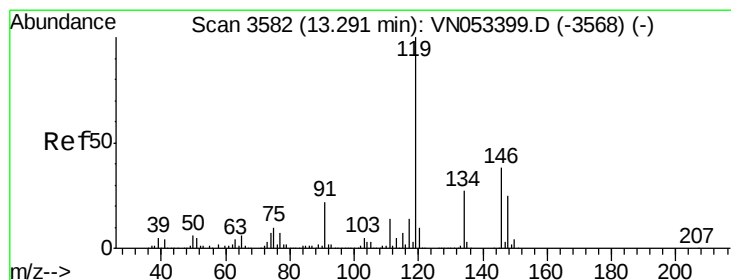
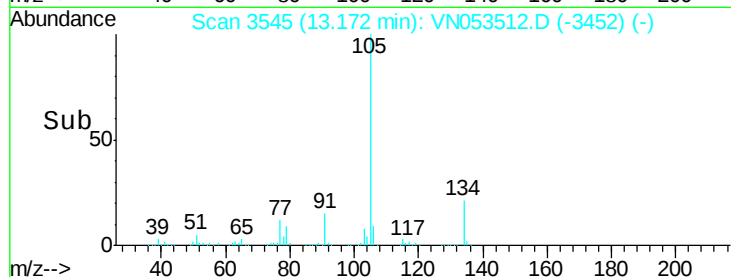
200000

100000

0

Time-->

13.10 13.20



#86

p-Isopropyltoluene

Concen: 22.381 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN053512.D

Acq: 22 Jan 2019 12:04

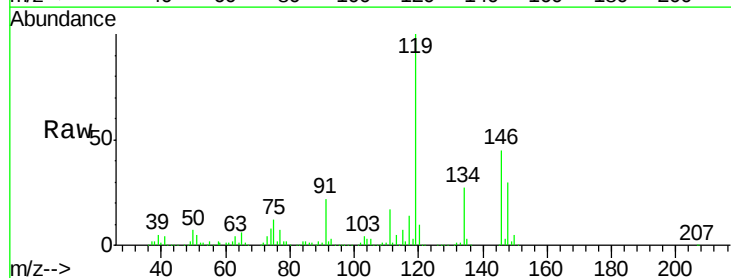
Tgt Ion:119 Resp: 654602

Ion Ratio Lower Upper

119 100

134 27.0 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

13.29

500000

400000

300000

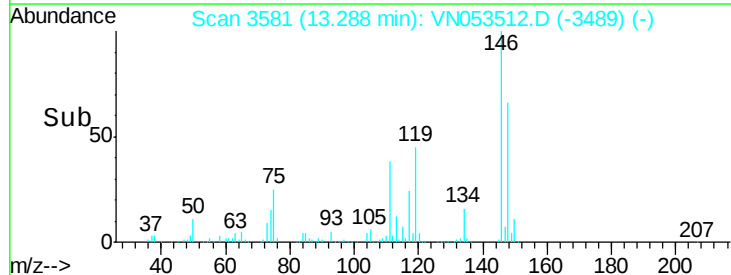
200000

100000

0

Time-->

13.20 13.25 13.30 13.35





#87

1,3-Dichlorobenzene

Concen: 21.888 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

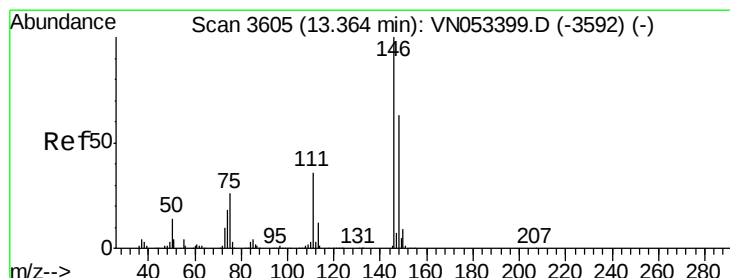
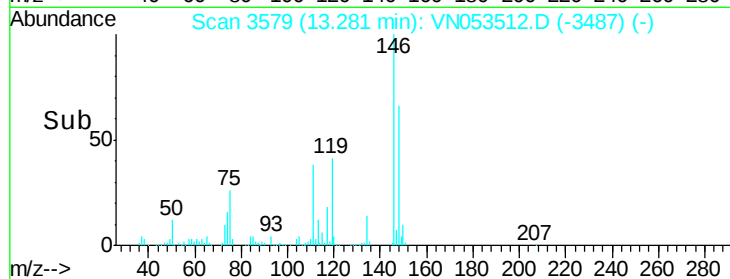
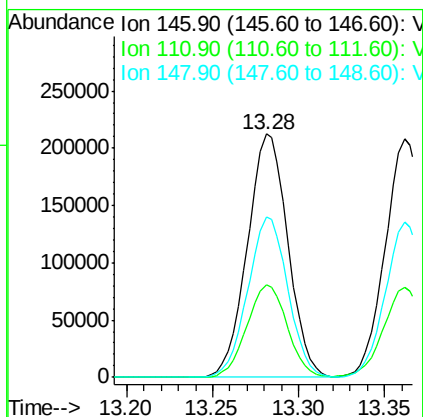
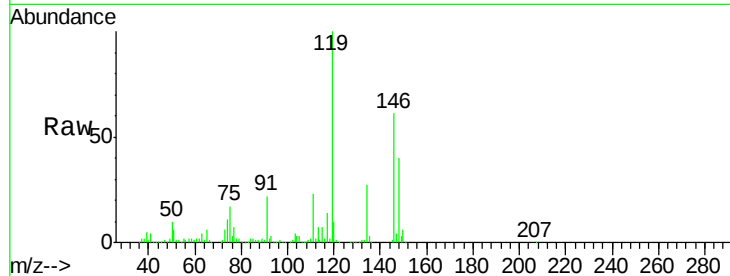
Lab File: VN053512.D

Acq: 22 Jan 2019 12:04

Instrument :
MSVOA_N
ClientSampled :
VN0122MBS01

Tot Ion:146 Resp: 346749

Ion	Ratio	Lower	Upper
146	100		
111	37.9	18.8	56.3
148	65.1	32.0	96.2



#88

1,4-Dichlorobenzene

Concen: 21.487 ug/l

RT: 13.36 min Scan# 3604

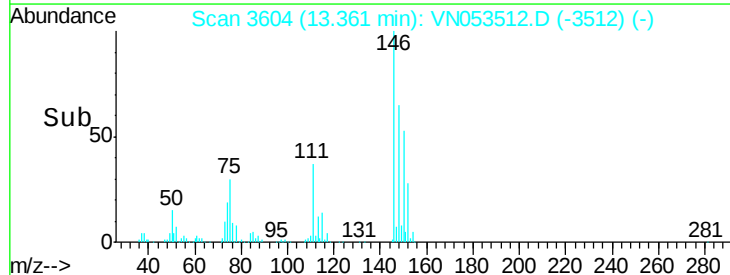
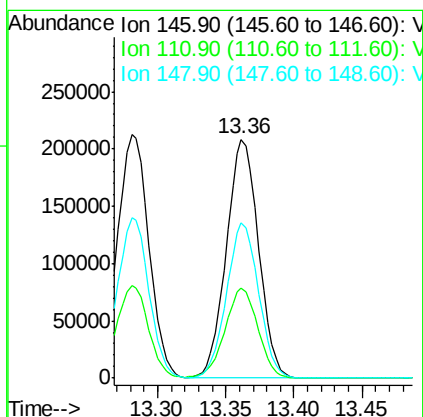
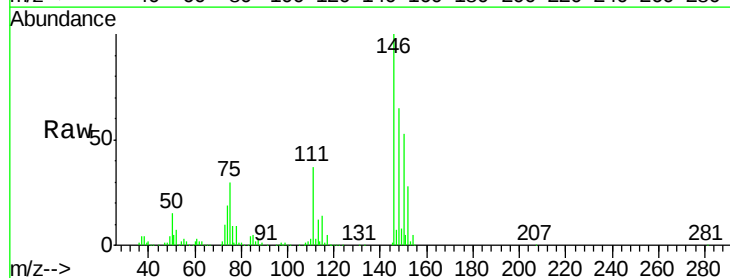
Delta R.T. -0.00 min

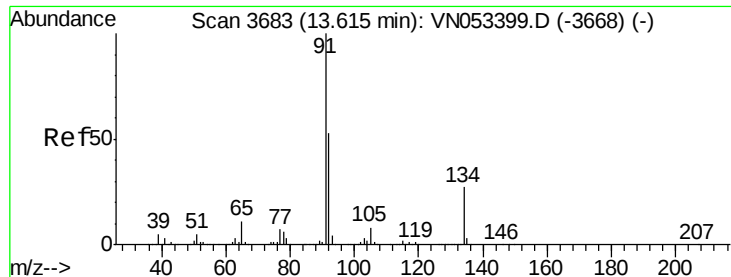
Lab File: VN053512.D

Acq: 22 Jan 2019 12:04

Tgt Ion:146 Resp: 341447

Ion	Ratio	Lower	Upper
146	100		
111	38.5	18.6	55.8
148	64.9	32.4	97.0





#89

n-Butylbenzene

Concen: 21.927 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN053512.D

Acq: 22 Jan 2019 12:04

Instrument :

MSVOA_N

ClientSampled :

VN0122MBS01

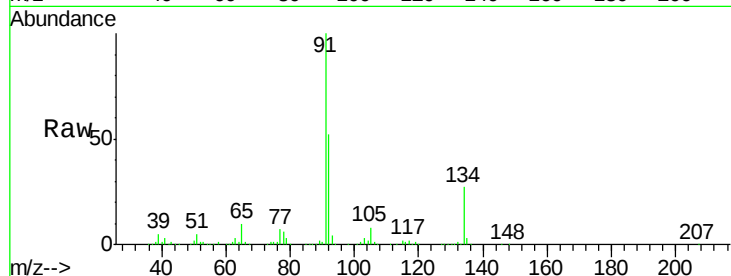
Tot Ion: 91 Resp: 546649

Ion Ratio Lower Upper

91 100

92 52.4 26.3 78.8

134 27.4 13.5 40.5

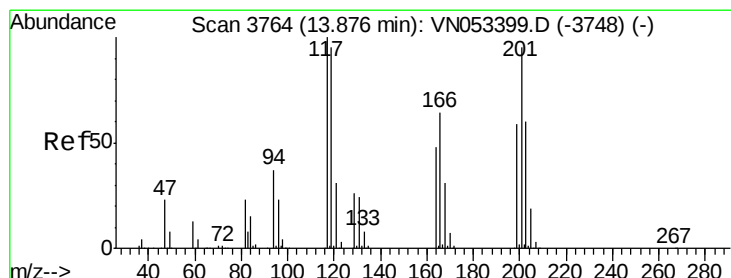
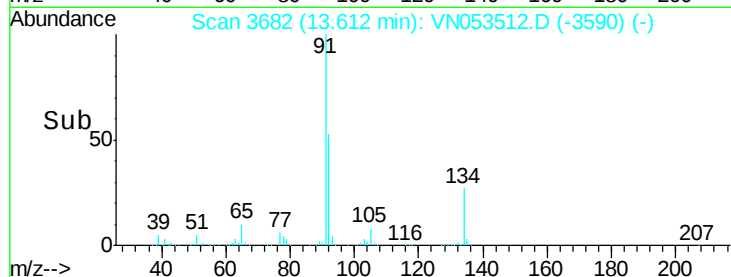


Abundance Ion 91.00 (90.70 to 91.70): VN053399.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN053399.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN053399.D (-3668) (-)

Time-->



#90

Hexachloroethane

Concen: 21.959 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN053512.D

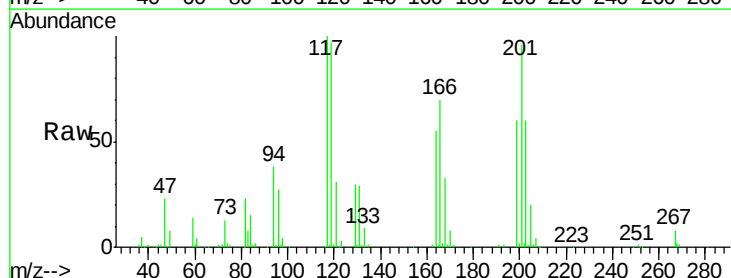
Acq: 22 Jan 2019 12:04

Tgt Ion: 117 Resp: 100725

Ion Ratio Lower Upper

117 100

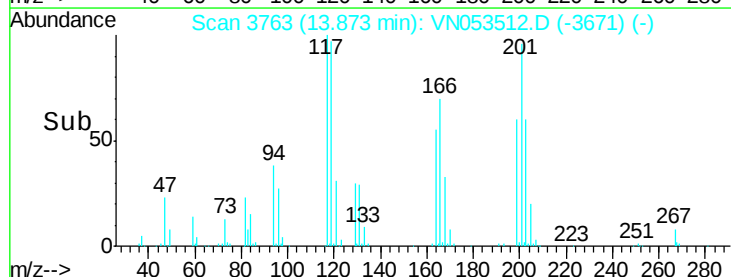
201 95.4 46.8 140.4

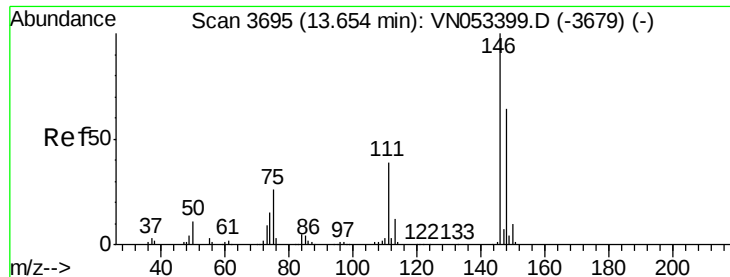


Abundance Ion 116.80 (116.50 to 117.50): VN053399.D (-3748) (-)

Ion 200.70 (200.40 to 201.40): VN053399.D (-3748) (-)

Time-->





#91

1,2-Dichlorobenzene

Concen: 23.055 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN053512.D

Acq: 22 Jan 2019 12:04

Instrument :

MSVOA_N

ClientSampled :

VN0122MBS01

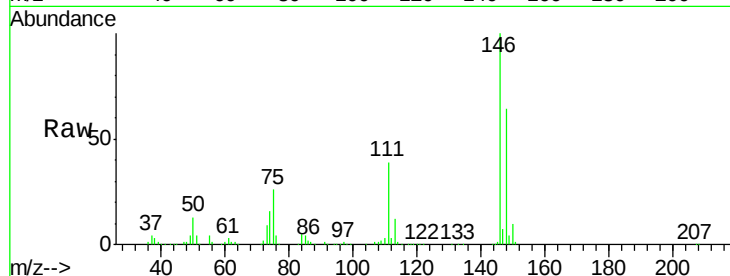
Tot Ion:146 Resp: 336019

Ion Ratio Lower Upper

146 100

111 39.1 19.5 58.5

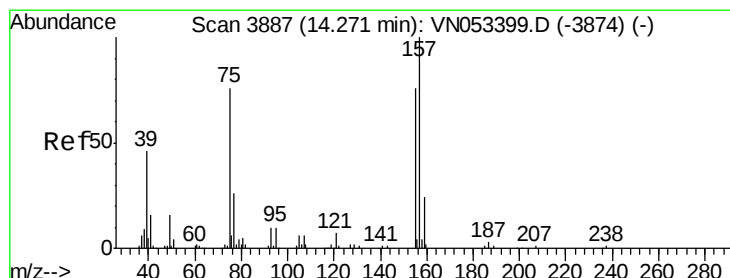
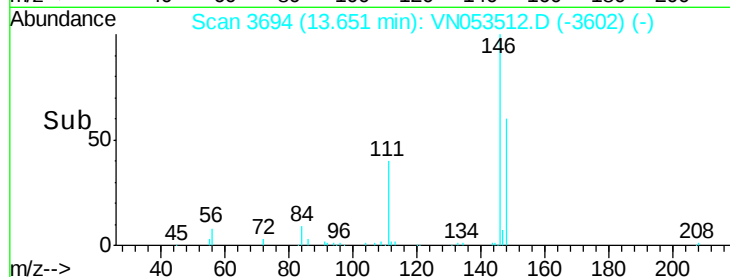
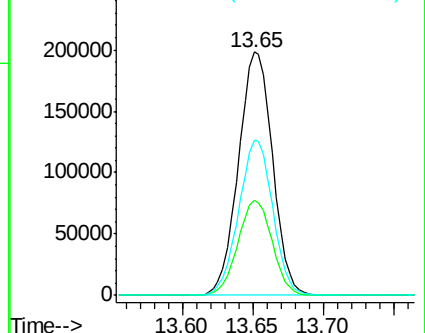
148 63.7 31.9 95.9



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: 23.772 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN053512.D

Acq: 22 Jan 2019 12:04

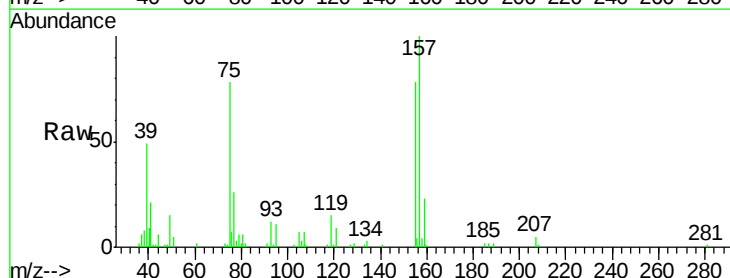
Tgt Ion: 75 Resp: 21606

Ion Ratio Lower Upper

75 100

155 98.8 48.9 146.7

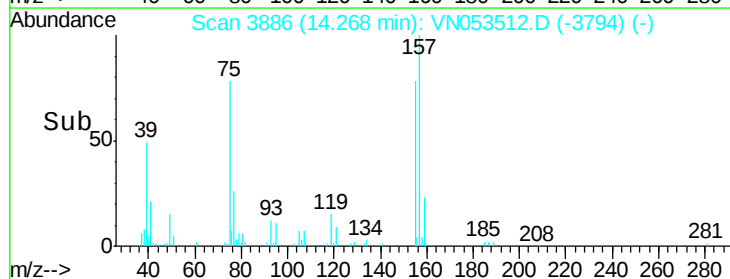
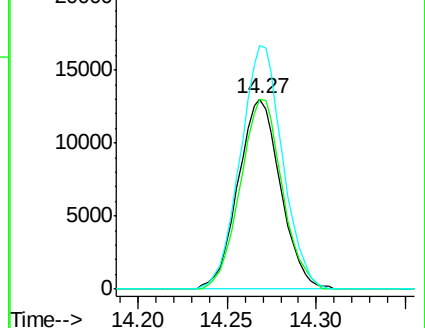
157 127.7 63.7 191.3

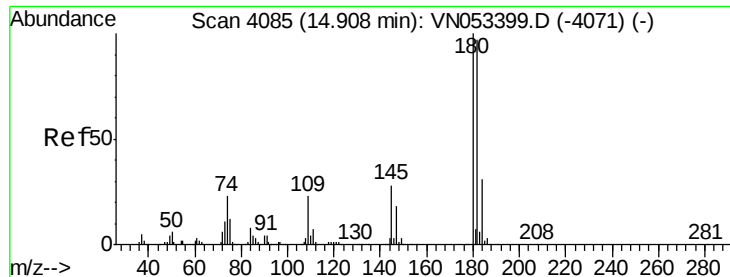


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

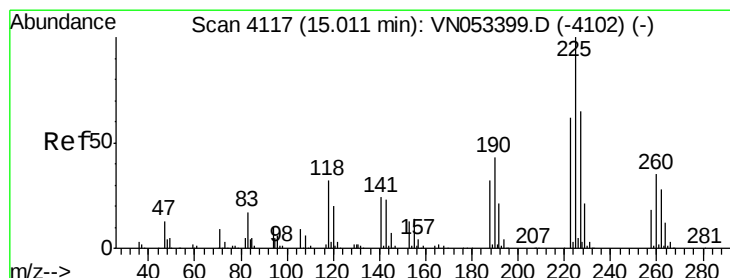
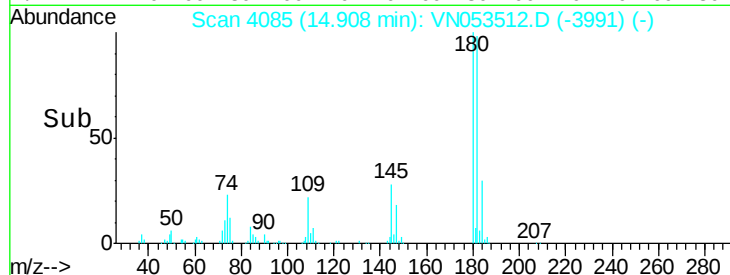
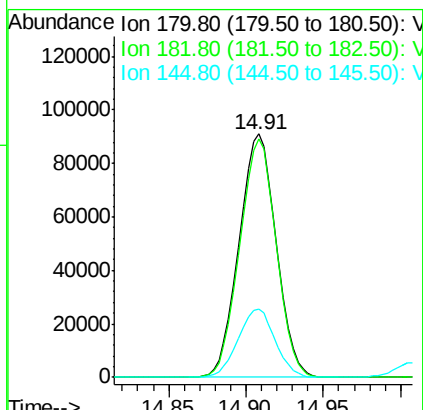
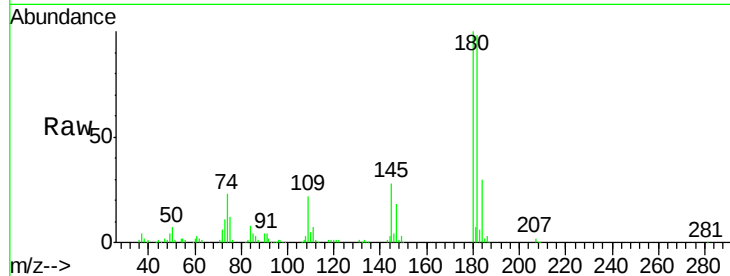




#93
 1,2,4-Trichlorobenzene
 Concen: 25.107 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN053512.D
 Acq: 22 Jan 2019 12:04

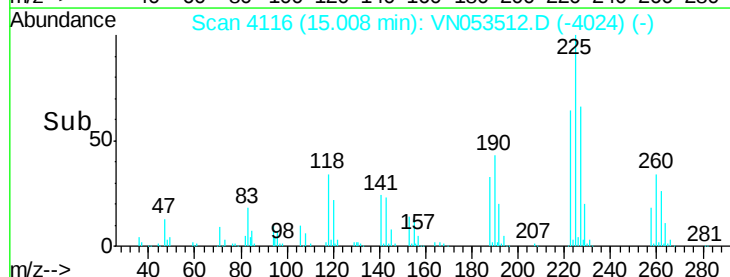
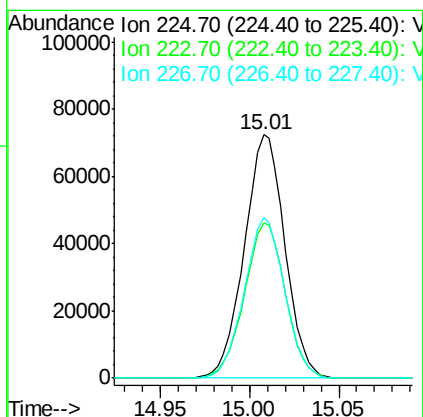
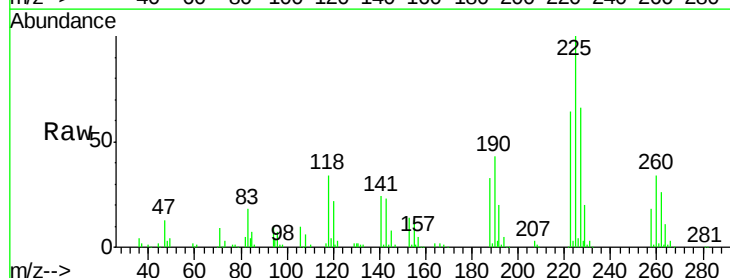
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0122MBS01

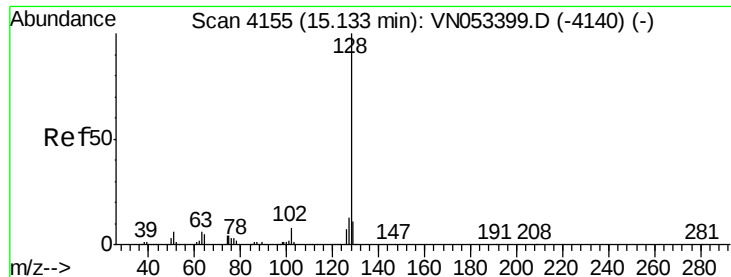
Tot Ion:180 Resp: 152079
 Ion Ratio Lower Upper
 180 100
 182 96.2 48.1 144.3
 145 27.9 13.9 41.6



#94
 Hexachlorobutadiene
 Concen: 25.340 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN053512.D
 Acq: 22 Jan 2019 12:04

Tgt Ion:225 Resp: 115211
 Ion Ratio Lower Upper
 225 100
 223 64.1 31.1 93.2
 227 65.5 32.0 96.2





#95

Naphthalene

Concen: 23.411 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053512.D

Acq: 22 Jan 2019 12:04

Instrument :

MSVOA_N

ClientSampleId :

VN0122MBS01

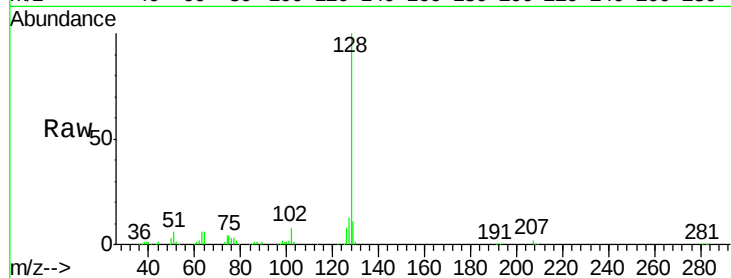
Tot Ion:128 Resp: 238481

Ion Ratio Lower Upper

128 100

127 12.6 10.3 15.5

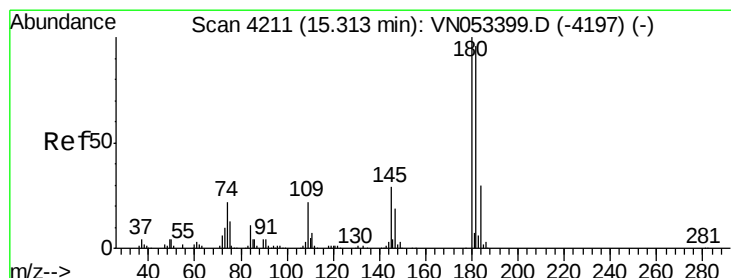
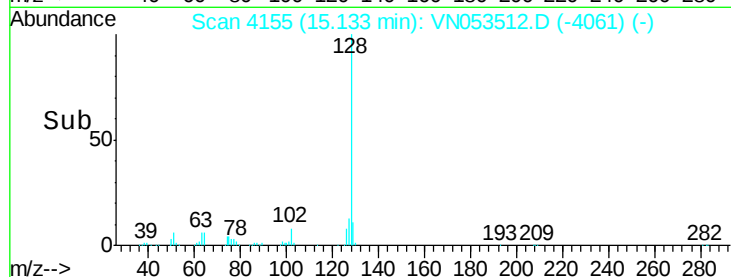
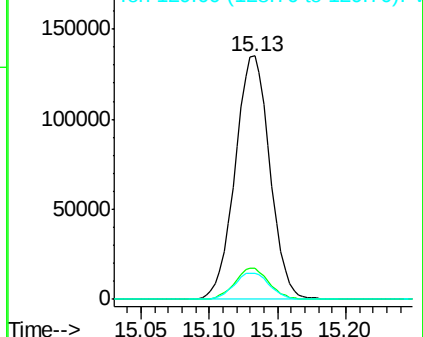
129 11.0 8.6 13.0



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



#96

1,2,3-Trichlorobenzene

Concen: 25.433 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN053512.D

Acq: 22 Jan 2019 12:04

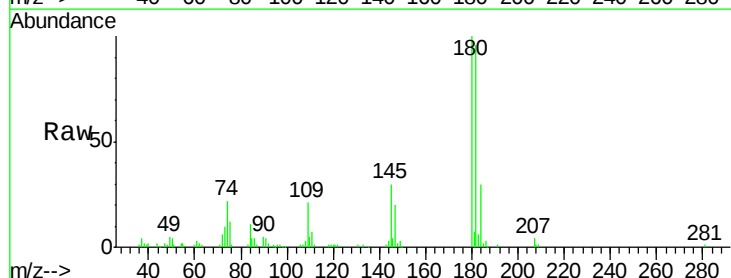
Tgt Ion:180 Resp: 109882

Ion Ratio Lower Upper

180 100

182 95.5 47.9 143.8

145 29.3 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

