

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012819\
 Data File : VN053556.D
 Acq On : 28 Jan 2019 19:57
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 25 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 29 08:23:32 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	7.67	168	696837	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1063851	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	955391	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	470578	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	366002	53.14	ug/l	0.00
Spiked Amount			Recovery	=	106.28%	
35) Dibromofluoromethane	7.59	113	351354	57.87	ug/l	0.00
Spiked Amount			Recovery	=	115.74%	
50) Toluene-d8	10.09	98	1282411	49.94	ug/l	0.00
Spiked Amount			Recovery	=	99.88%	
62) 4-Bromofluorobenzene	12.40	95	448742	49.84	ug/l	0.00
Spiked Amount			Recovery	=	99.68%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	254512	45.428	ug/l	99
3) Chloromethane	2.06	50	359817	44.919	ug/l	99
4) Vinyl Chloride	2.19	62	357336	46.278	ug/l	100
5) Bromomethane	2.57	94	228065	43.047	ug/l	100
6) Chloroethane	2.71	64	221025	47.345	ug/l	100
7) Trichlorofluoromethane	3.02	101	499246	49.431	ug/l	99
8) Diethyl Ether	3.41	74	208961	55.087	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	321875	50.322	ug/l	98
10) Methyl Iodide	3.96	142	494356	50.575	ug/l	100
11) Tert butyl alcohol	4.78	59	140003	415.412	ug/l	99
12) 1,1-Dichloroethene	3.74	96	312702	50.403	ug/l	98
13) Acrolein	3.61	56	130179	202.683	ug/l	99
14) Allyl chloride	4.33	41	528248	52.419	ug/l	99
15) Acrylonitrile	4.99	53	684733	308.720	ug/l	100
16) Acetone	3.82	43	457528	283.133	ug/l	100
17) Carbon Disulfide	4.06	76	827423	44.102	ug/l	100
18) Methyl Acetate	4.33	43	346832	63.705	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	955766	57.980	ug/l	99
20) Methylene Chloride	4.55	84	374005	50.694	ug/l	99
21) trans-1,2-Dichloroethene	5.05	96	335990	50.656	ug/l	99
22) Diisopropyl ether	5.95	45	1080589	51.365	ug/l	98
23) Vinyl Acetate	5.90	43	3795262	293.479	ug/l	99
24) 1,1-Dichloroethane	5.85	63	656186	52.763	ug/l	100
25) 2-Butanone	6.83	43	757517	304.200	ug/l	99
26) 2,2-Dichloropropane	6.83	77	469876	50.041	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	408675	53.881	ug/l	97
28) Bromochloromethane	7.20	49	267453	48.816	ug/l	97
29) Tetrahydrofuran	7.21	42	512192	315.949	ug/l	99
30) Chloroform	7.37	83	658966	54.383	ug/l	98
31) Cyclohexane	7.65	56	565268	46.690	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	545514	53.072	ug/l	99
36) 1,1-Dichloropropene	7.79	75	480833	49.629	ug/l	99
37) Ethyl Acetate	6.93	43	338825	60.785	ug/l	99
38) Carbon Tetrachloride	7.78	117	479945	52.324	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	551273	46.035	ug/l	100
40) Benzene	8.04	78	1502241	51.024	ug/l	100
41) Methacrylonitrile	7.17	41	187674	56.573	ug/l	94
42) 1,2-Dichloroethane	8.13	62	454209	52.955	ug/l	98
43) Isopropyl Acetate	8.17	43	614242	61.283	ug/l	98
44) Trichloroethene	8.84	130	411729	50.428	ug/l	99
45) 1,2-Dichloropropane	9.12	63	403072	51.687	ug/l	99
46) Dibromomethane	9.21	93	242269	54.073	ug/l	99
47) Bromodichloromethane	9.40	83	506552	53.761	ug/l	100
48) Methyl methacrylate	9.20	41	286559	55.373	ug/l	95
49) 1,4-Dioxane	9.20	88	84147	1664.916	ug/l #	94
51) 4-Methyl-2-Pentanone	9.99	43	1641641	300.036	ug/l	99
52) Toluene	10.16	92	928222	50.783	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	523150	54.778	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	606048	54.133	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	363248	57.643	ug/l	97
56) Ethyl methacrylate	10.43	69	463075	51.707	ug/l	99
57) 1,3-Dichloropropane	10.71	76	586790	53.828	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	1258930	285.564	ug/l	99
59) 2-Hexanone	10.75	43	1082882	281.933	ug/l	99
60) Dibromochloromethane	10.90	129	397693	55.641	ug/l	100
61) 1,2-Dibromoethane	11.01	107	346148	54.313	ug/l	99
64) Tetrachloroethene	10.63	164	395253	43.900	ug/l	99
65) Chlorobenzene	11.44	112	1029844	50.926	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	376294	53.488	ug/l	99
67) Ethyl Benzene	11.51	91	1741934	50.544	ug/l	100
68) m/p-Xylenes	11.62	106	1338806	102.889	ug/l	100
69) o-Xylene	11.95	106	656087	51.890	ug/l	99
70) Styrene	11.97	104	1082194	52.737	ug/l	99
71) Bromoform	12.13	173	280061	57.825	ug/l #	99
73) Isopropylbenzene	12.25	105	1708990	49.592	ug/l	100
74) N-amyl acetate	12.07	43	485031	52.798	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	438850	60.721	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	541772	87.364	ug/l #	100
77) Bromobenzene	12.53	156	460632	50.728	ug/l	99
78) n-propylbenzene	12.59	91	1983545	50.144	ug/l	100
79) 2-Chlorotoluene	12.68	91	1172616	50.011	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1445120	51.541	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	124800	50.884	ug/l	99
82) 4-Chlorotoluene	12.77	91	1197950	50.101	ug/l	100
83) tert-Butylbenzene	12.99	119	1266015	51.123	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1490029	52.705	ug/l	100
85) sec-Butylbenzene	13.17	105	1732240	51.005	ug/l	100
86) p-Isopropyltoluene	13.29	119	1527532	51.800	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	819490	51.305	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	807392	50.392	ug/l	100
89) n-Butylbenzene	13.62	91	1307754	52.026	ug/l	100
90) Hexachloroethane	13.88	117	240835	52.074	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	803786	54.698	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	64781	70.690	ug/l	95

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

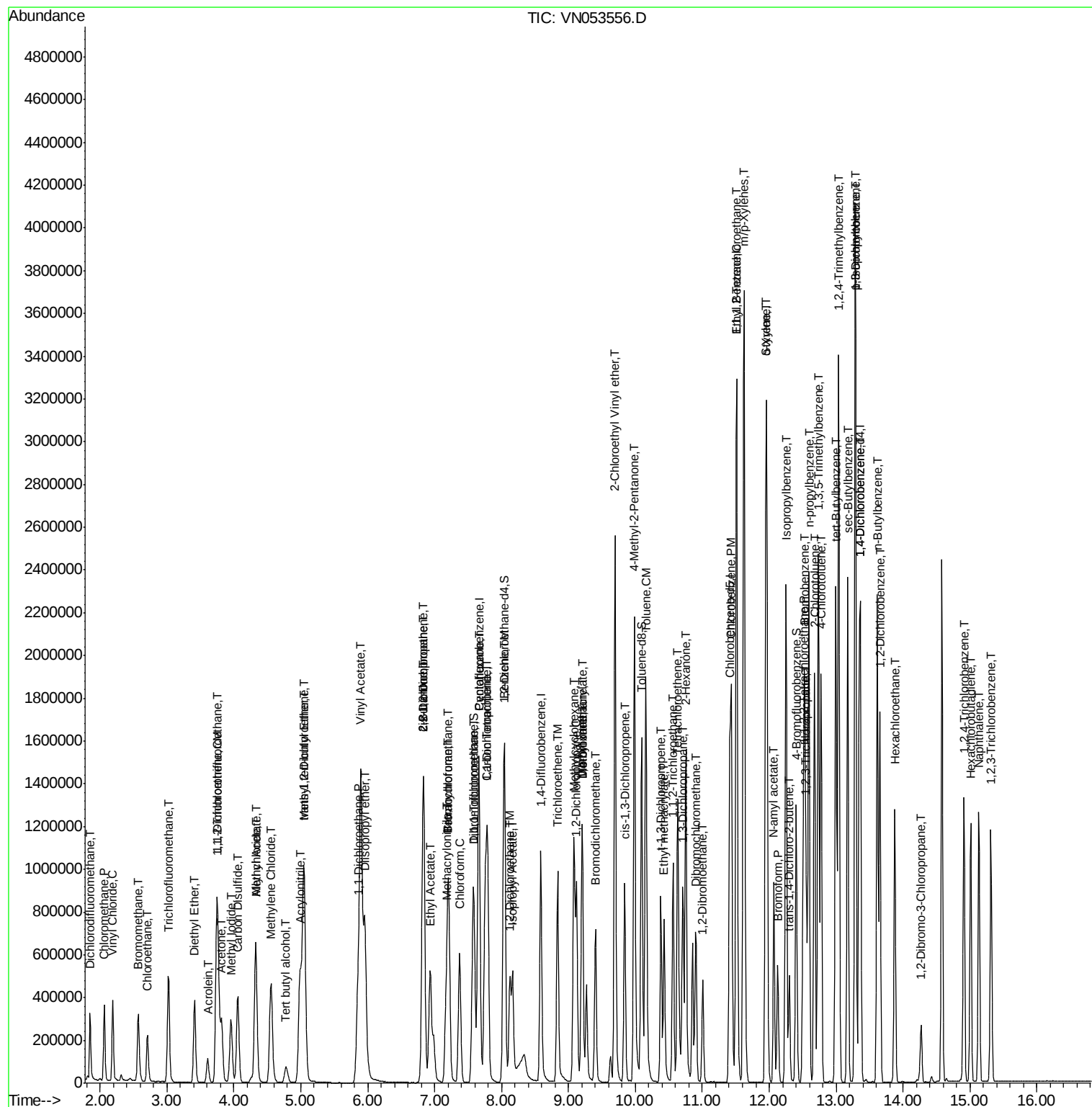
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	479218	72.587	ug/l	99
94) Hexachlorobutadiene	15.01	225	268600	58.594	ug/l	99
95) Naphthalene	15.13	128	1114933	94.227	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	453205	91.970	ug/l	100

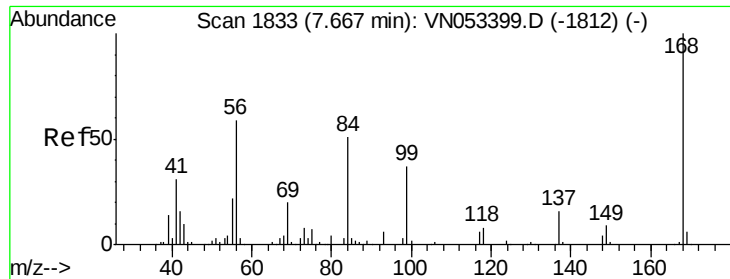
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Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN012819\
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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053556.D

Acq: 28 Jan 2019 19:57

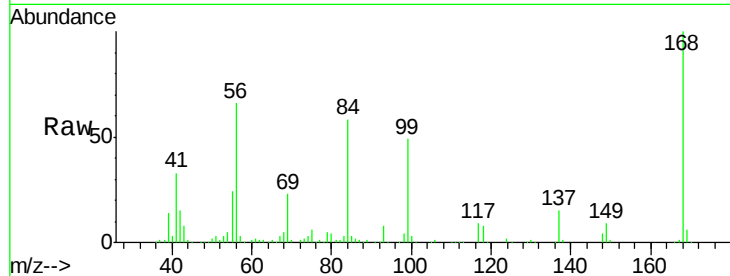
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:168 Resp: 696837

Ion Ratio Lower Upper

168 100

99 49.1 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

300000

250000

200000

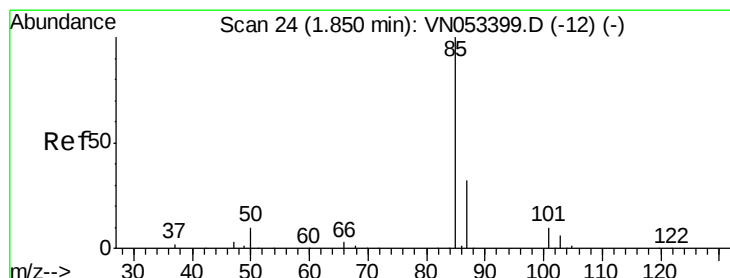
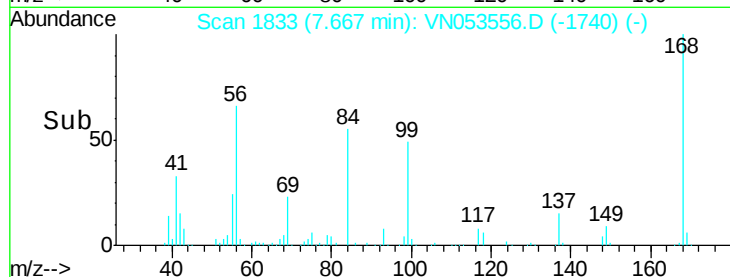
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 45.428 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053556.D

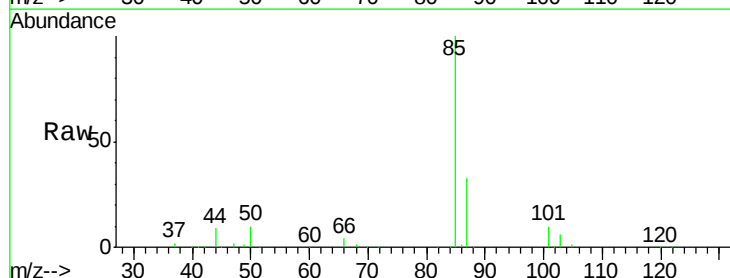
Acq: 28 Jan 2019 19:57

Tgt Ion: 85 Resp: 254512

Ion Ratio Lower Upper

85 100

87 33.1 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

200000

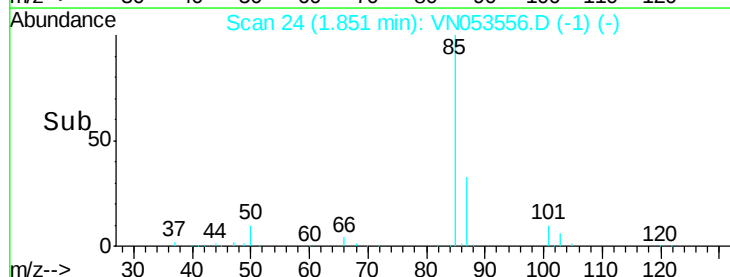
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Time-->

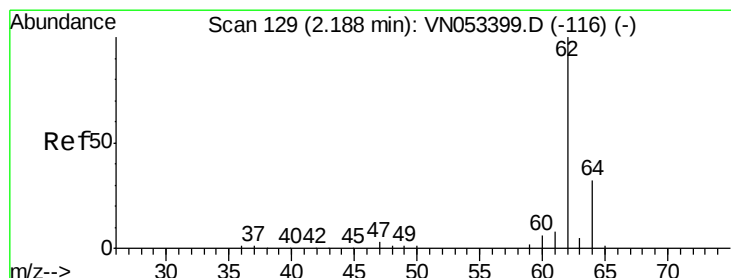
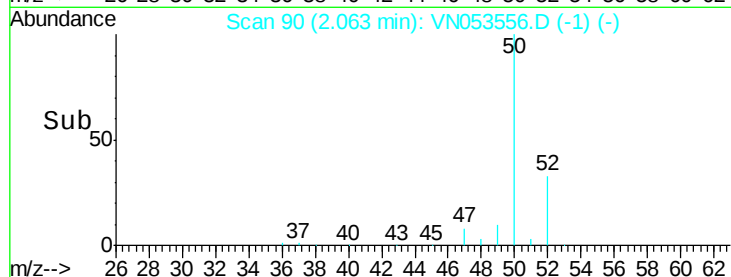
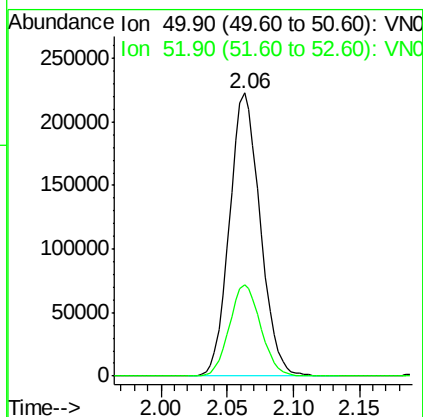
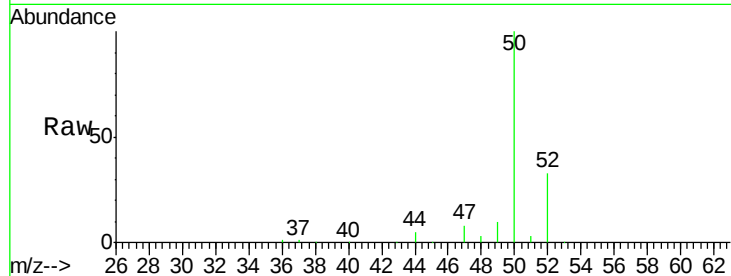




#3
Chloromethane
Concen: 44.919 ug/l
RT: 2.06 min Scan# 90
Delta R.T. 0.00 min
Lab File: VN053556.D
Acq: 28 Jan 2019 19:57

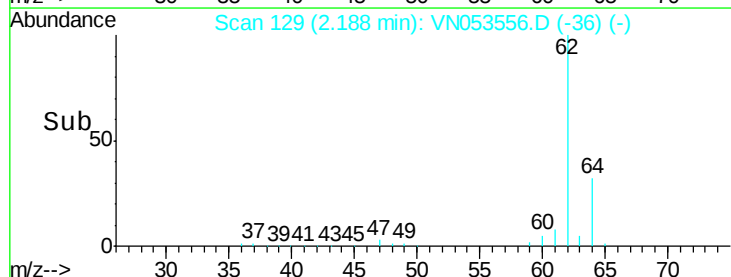
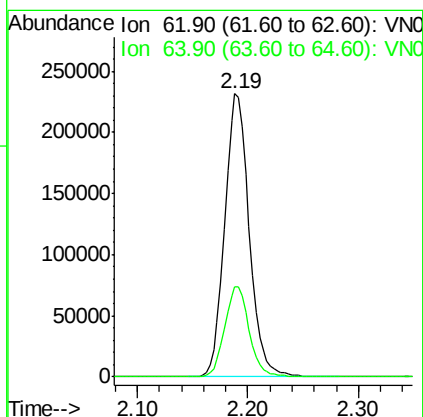
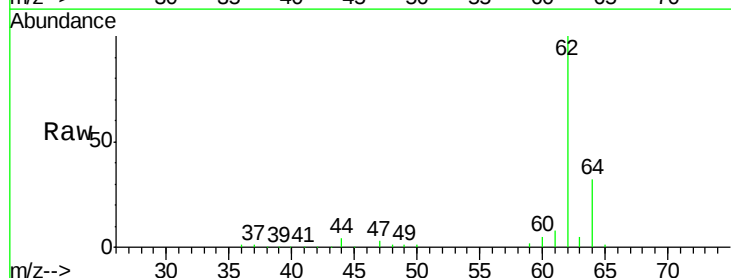
Instrument :
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ClientSampleId :

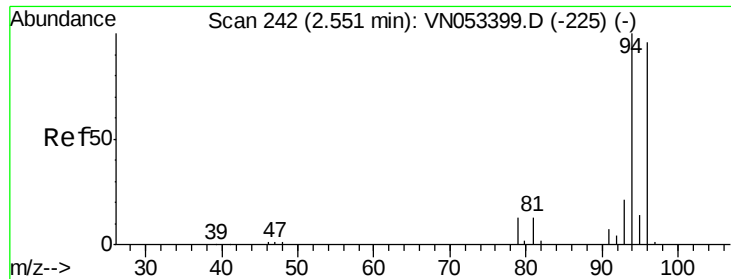
Tot Ion: 50 Resp: 359817
Ion Ratio Lower Upper
50 100
52 32.5 26.6 40.0



#4
Vinyl Chloride
Concen: 46.278 ug/l
RT: 2.19 min Scan# 129
Delta R.T. 0.00 min
Lab File: VN053556.D
Acq: 28 Jan 2019 19:57

Tgt Ion: 62 Resp: 357336
Ion Ratio Lower Upper
62 100
64 31.9 25.4 38.2

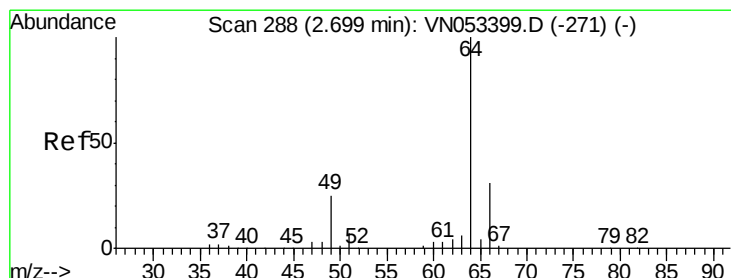
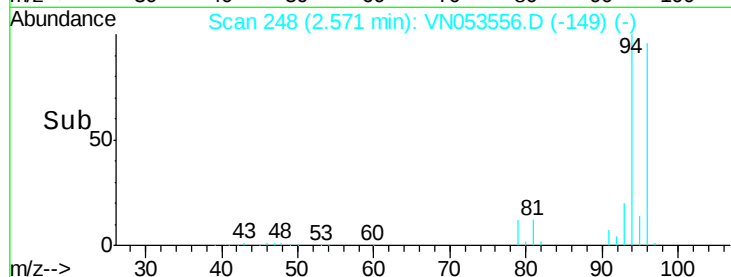
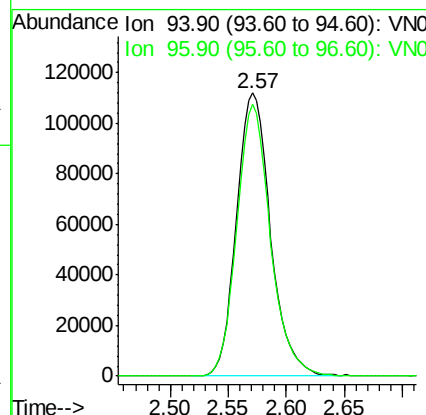
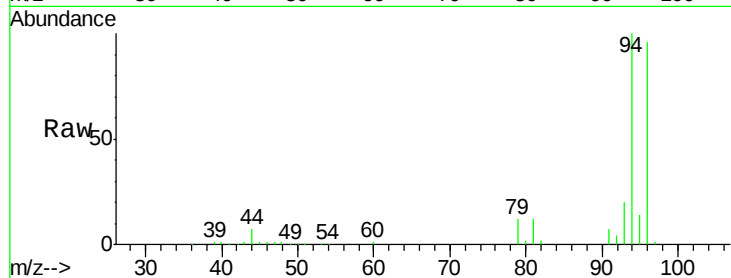




#5
Bromomethane
Concen: 43.047 ug/l
RT: 2.57 min Scan# 248
Delta R.T. 0.02 min
Lab File: VN053556.D
Acq: 28 Jan 2019 19:57

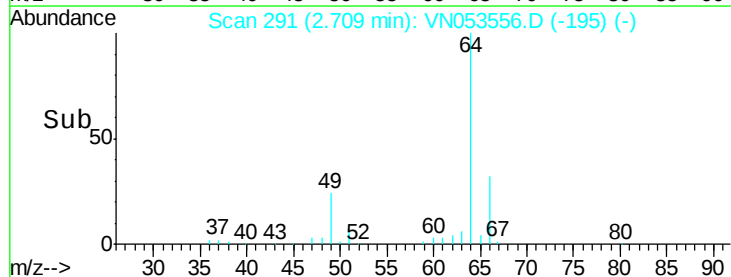
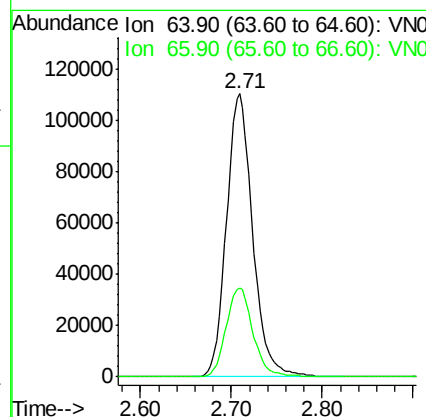
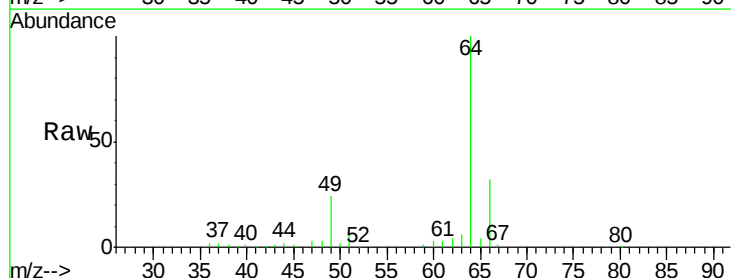
Instrument :
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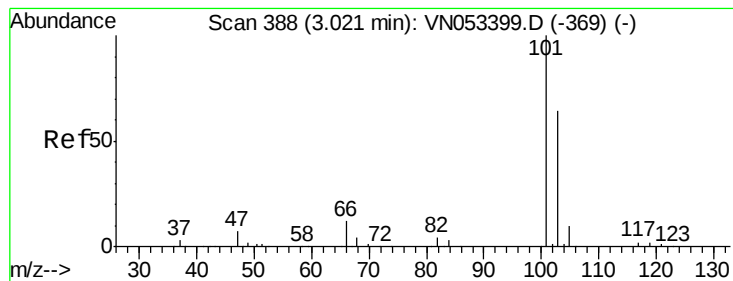
Tot Ion: 94 Resp: 228065
Ion Ratio Lower Upper
94 100
96 96.0 76.8 115.2



#6
Chloroethane
Concen: 47.345 ug/l
RT: 2.71 min Scan# 291
Delta R.T. 0.01 min
Lab File: VN053556.D
Acq: 28 Jan 2019 19:57

Tgt Ion: 64 Resp: 221025
Ion Ratio Lower Upper
64 100
66 31.6 25.1 37.7



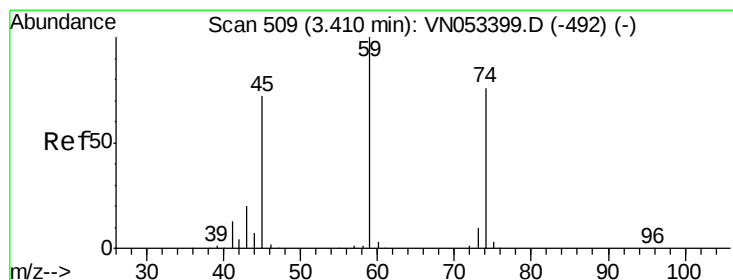
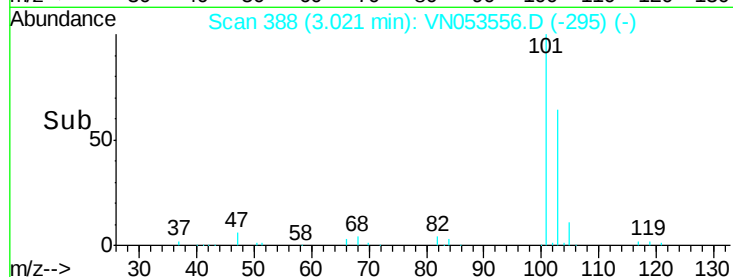
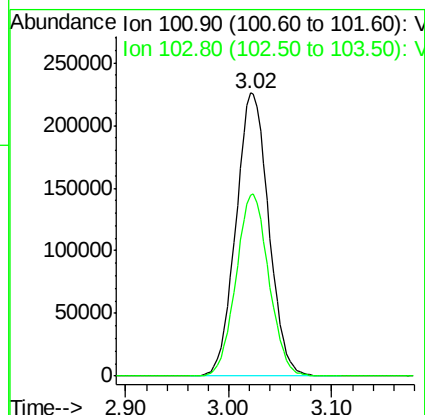
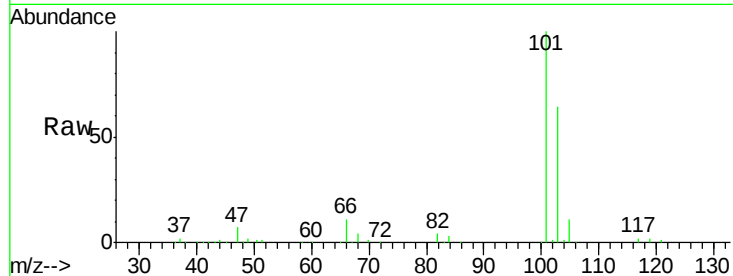


#7

Trichlorofluoromethane
Concen: 49.431 ug/l
RT: 3.02 min Scan# 388
Delta R.T. 0.00 min
Lab File: VN053556.D
Acq: 28 Jan 2019 19:57

Instrument :
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ClientSampleId :

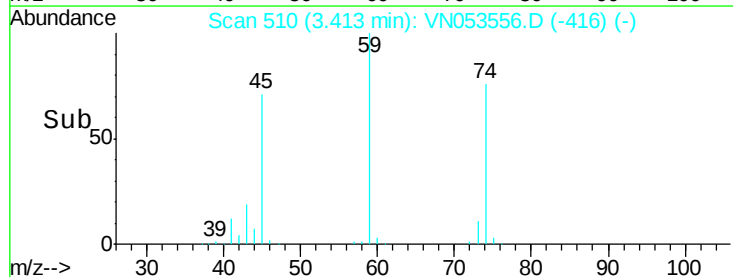
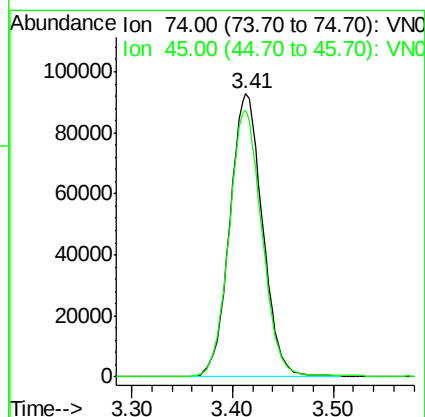
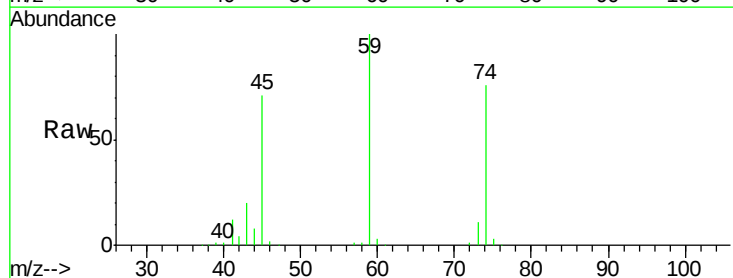
Tot Ion:101 Resp: 499246
Ion Ratio Lower Upper
101 100
103 64.1 51.6 77.4

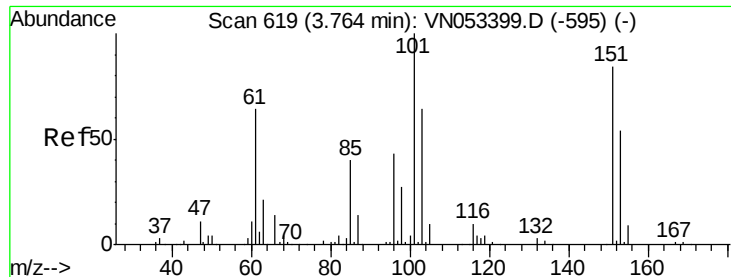


#8

Diethyl Ether
Concen: 55.087 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN053556.D
Acq: 28 Jan 2019 19:57

Tgt Ion: 74 Resp: 208961
Ion Ratio Lower Upper
74 100
45 93.6 47.9 143.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.322 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN053556.D

Acq: 28 Jan 2019 19:57

Instrument :

MSVOA_N

ClientSampled :

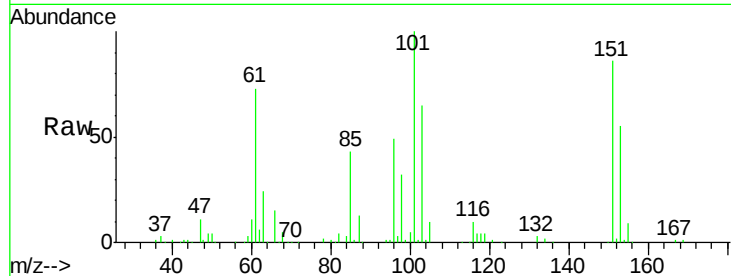
Tot Ion:101 Resp: 321875

Ion Ratio Lower Upper

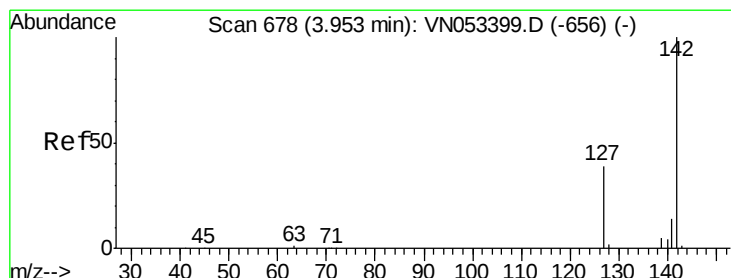
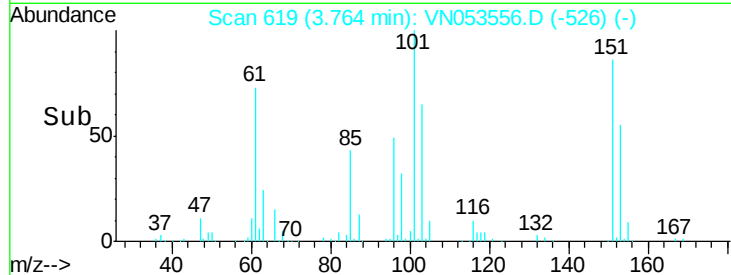
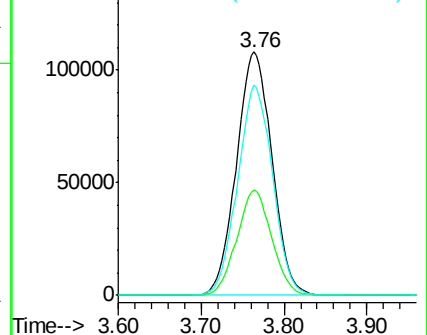
101 100

85 42.4 32.8 49.2

151 85.3 66.9 100.3



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 50.575 ug/l

RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

Lab File: VN053556.D

Acq: 28 Jan 2019 19:57

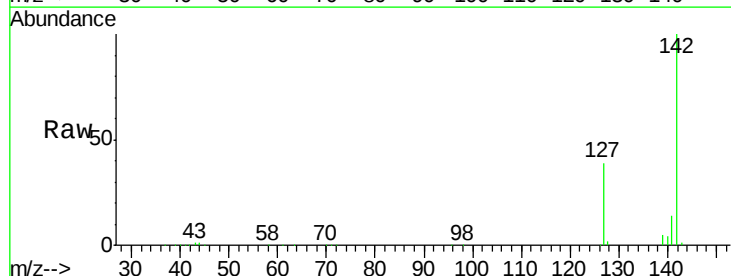
Tgt Ion:142 Resp: 494356

Ion Ratio Lower Upper

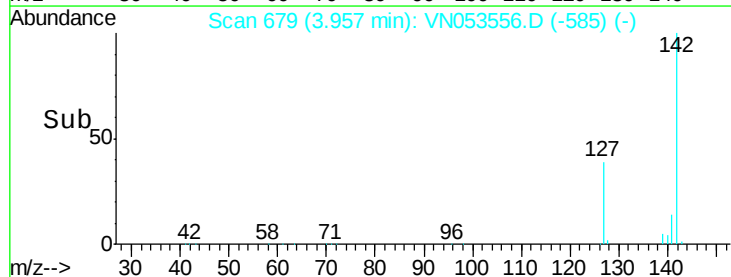
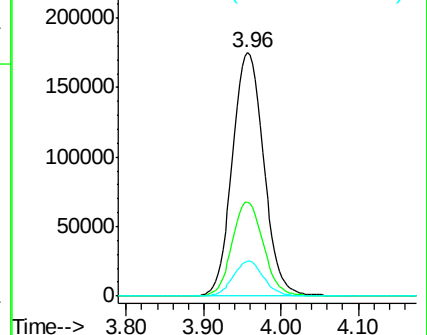
142 100

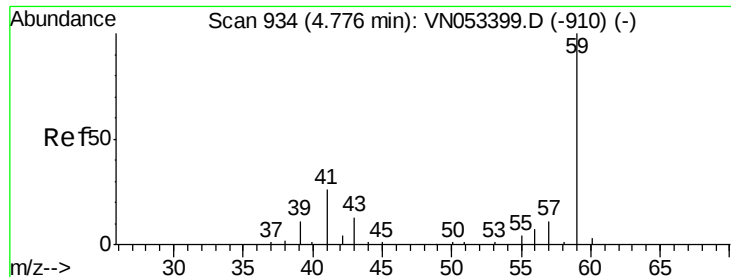
127 38.5 31.0 46.4

141 14.0 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

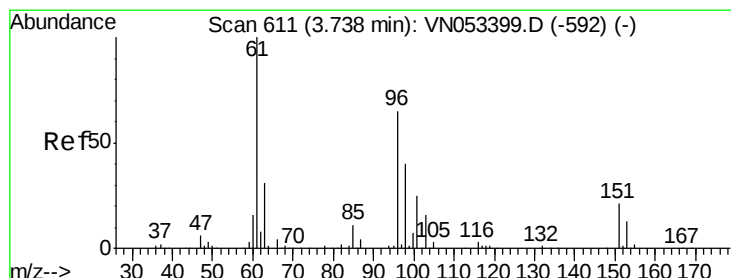
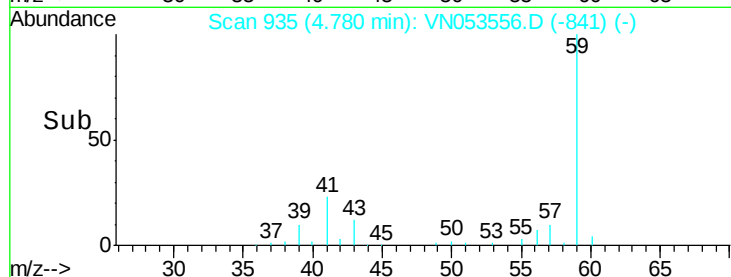
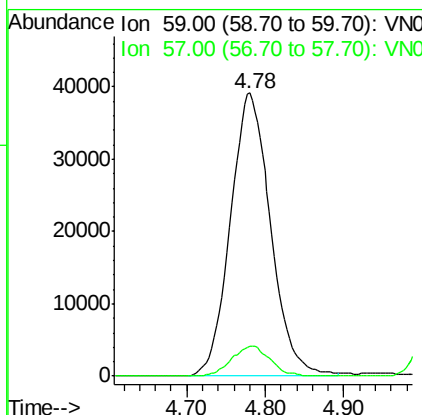
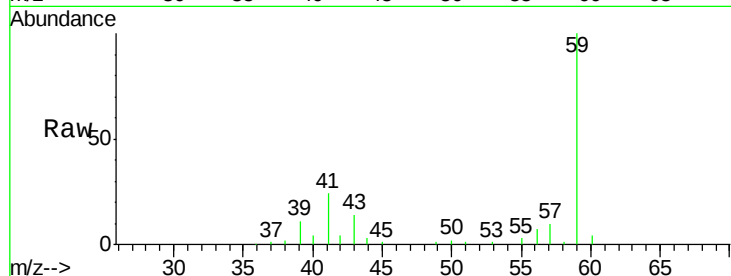




#11
Tert butyl alcohol
Concen: 415.412 ug/l
RT: 4.78 min Scan# 935
Delta R.T. 0.00 min
Lab File: VN053556.D
Acq: 28 Jan 2019 19:57

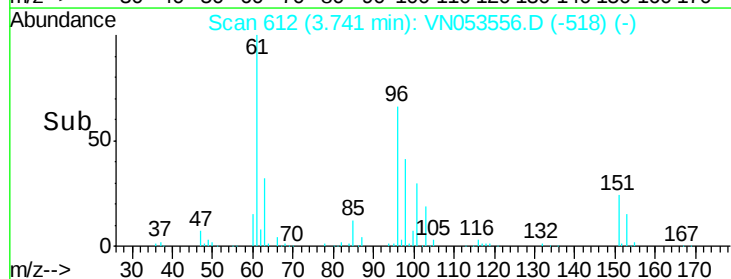
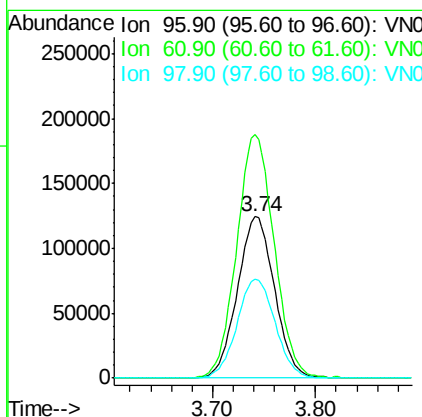
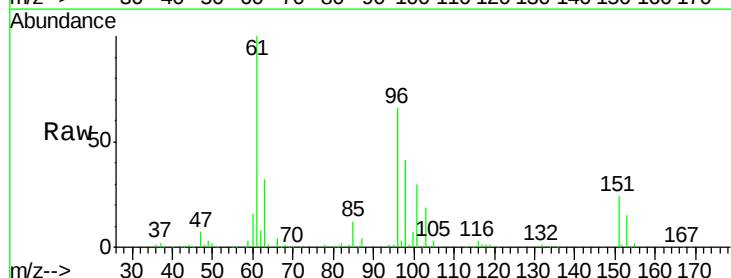
Instrument :
MSVOA_N
ClientSampled :

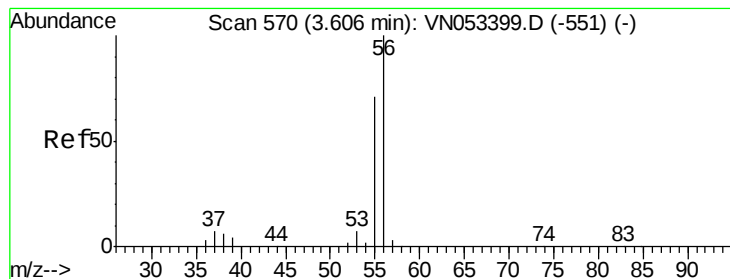
Tot Ion: 59 Resp: 140003
Ion Ratio Lower Upper
59 100
57 10.1 8.2 12.4



#12
1,1-Dichloroethene
Concen: 50.403 ug/l
RT: 3.74 min Scan# 612
Delta R.T. 0.00 min
Lab File: VN053556.D
Acq: 28 Jan 2019 19:57

Tgt Ion: 96 Resp: 312702
Ion Ratio Lower Upper
96 100
61 150.7 122.9 184.3
98 61.4 49.4 74.0





#13

Acrolein

Concen: 202.683 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN053556.D

Acq: 28 Jan 2019 19:57

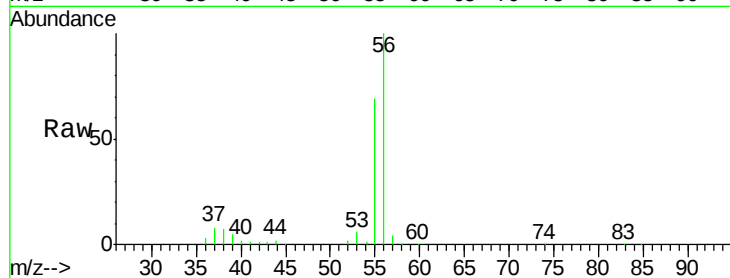
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 130179

Ion Ratio Lower Upper

56 100

55 70.8 57.4 86.0

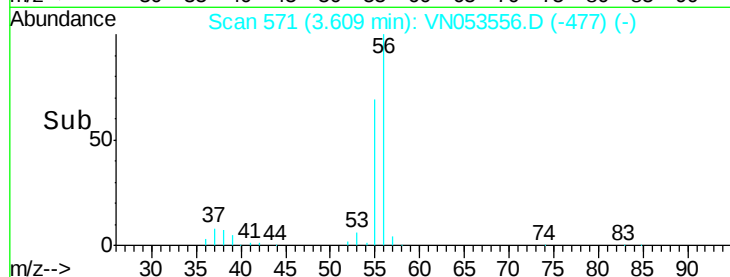


Abundance Ion 56.00 (55.70 to 56.70): VN053399.D (-551) (-)

Ion 55.00 (54.70 to 55.70): VN053399.D (-551) (-)

3.61

Time-->

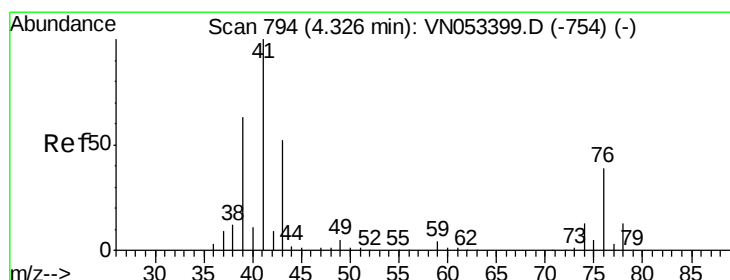


Abundance Ion 56.00 (55.70 to 56.70): VN053556.D (-477) (-)

Ion 55.00 (54.70 to 55.70): VN053556.D (-477) (-)

3.61

Time-->



#14

Allyl chloride

Concen: 52.419 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN053556.D

Acq: 28 Jan 2019 19:57

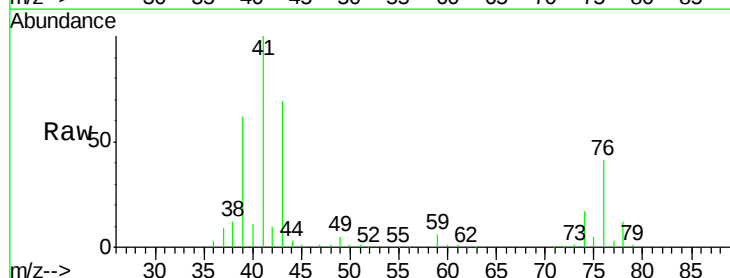
Tgt Ion: 41 Resp: 528248

Ion Ratio Lower Upper

41 100

39 60.1 48.9 73.3

76 37.2 29.4 44.2



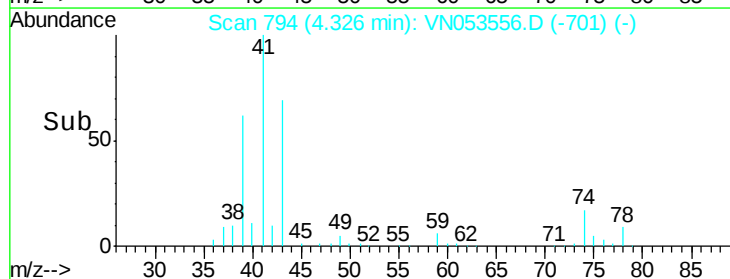
Abundance Ion 41.00 (40.70 to 41.70): VN053399.D (-754) (-)

Ion 39.00 (38.70 to 39.70): VN053399.D (-754) (-)

Ion 75.90 (75.60 to 76.60): VN053399.D (-754) (-)

4.33

Time-->



Abundance Ion 41.00 (40.70 to 41.70): VN053556.D (-701) (-)

Ion 39.00 (38.70 to 39.70): VN053556.D (-701) (-)

Ion 75.90 (75.60 to 76.60): VN053556.D (-701) (-)

4.33

Time-->



#15

Acrylonitrile

Concen: 308.720 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN053556.D

Acq: 28 Jan 2019 19:57

Instrument :

MSVOA_N

ClientSampled :

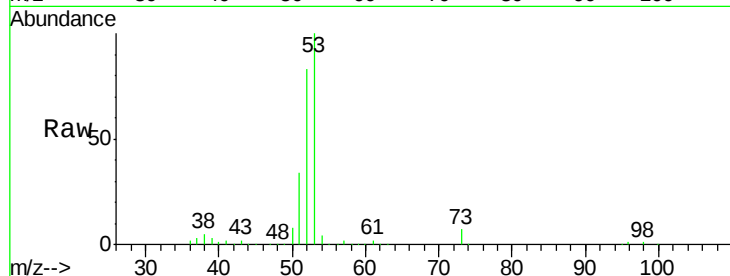
Tot Ion: 53 Resp: 684733

Ion Ratio Lower Upper

53 100

52 82.0 66.0 99.0

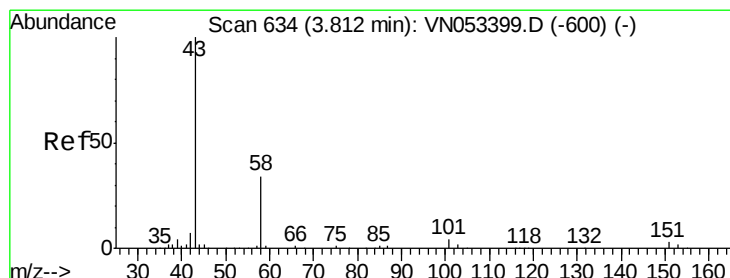
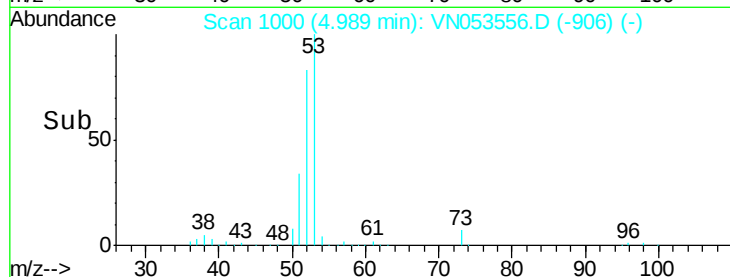
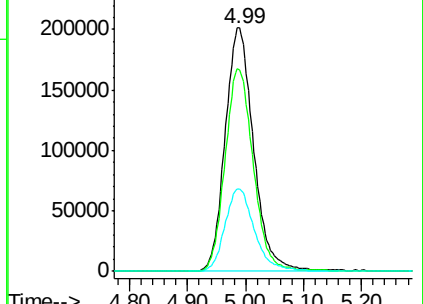
51 35.3 28.3 42.5



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

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

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



#16

Acetone

Concen: 283.133 ug/l

RT: 3.82 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN053556.D

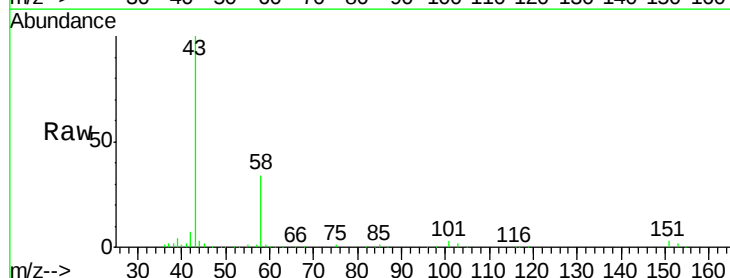
Acq: 28 Jan 2019 19:57

Tgt Ion: 43 Resp: 457528

Ion Ratio Lower Upper

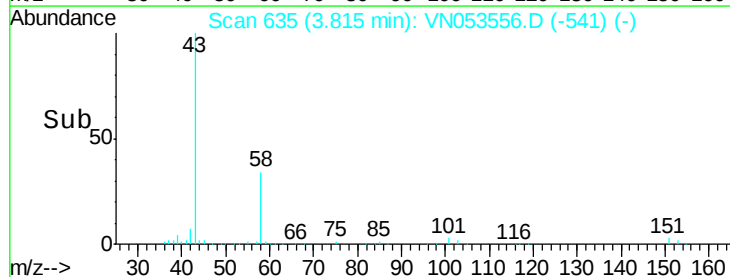
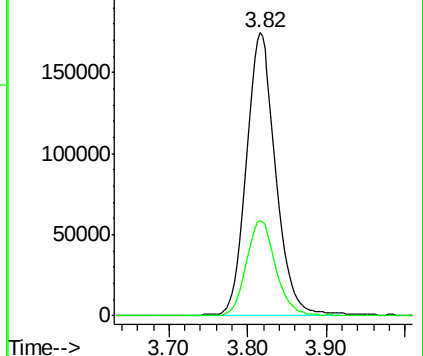
43 100

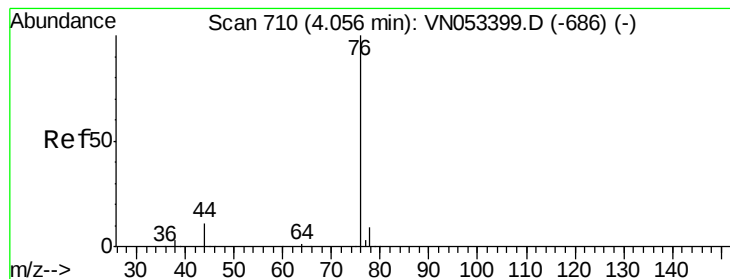
58 33.7 27.1 40.7



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

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





#17

Carbon Disulfide

Concen: 44.102 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN053556.D

Acq: 28 Jan 2019 19:57

Instrument :

MSVOA_N

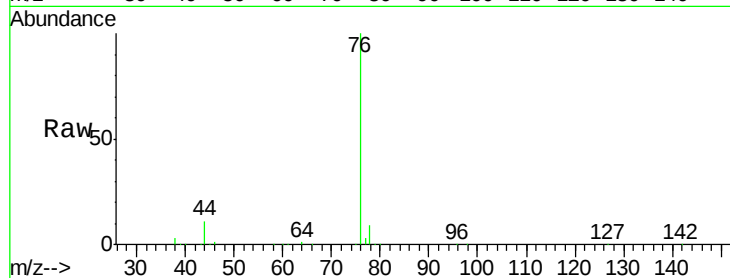
ClientSampled :

Tot Ion: 76 Resp: 827423

Ion Ratio Lower Upper

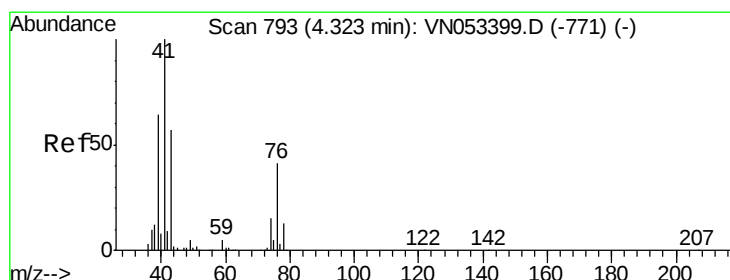
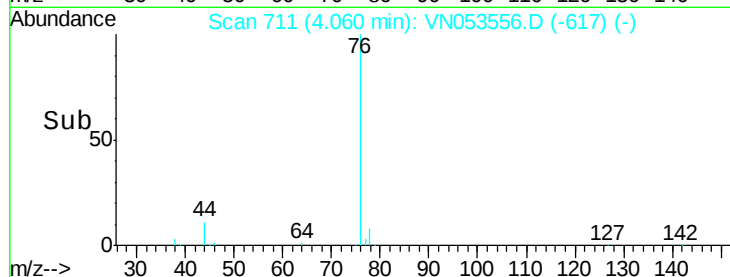
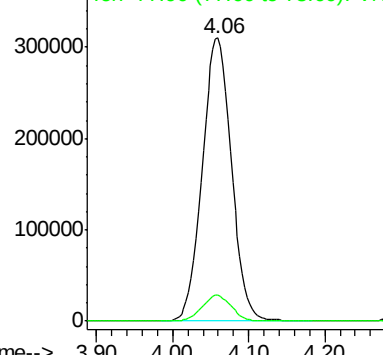
76 100

78 9.1 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO



#18

Methyl Acetate

Concen: 63.705 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN053556.D

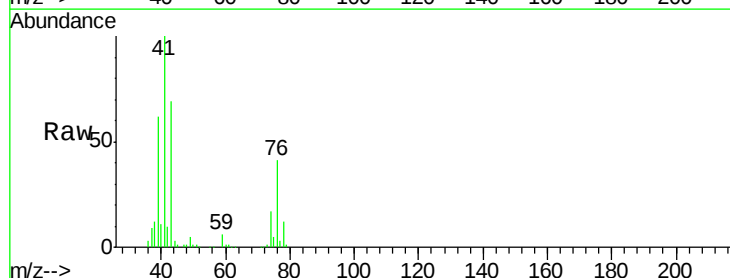
Acq: 28 Jan 2019 19:57

Tgt Ion: 43 Resp: 346832

Ion Ratio Lower Upper

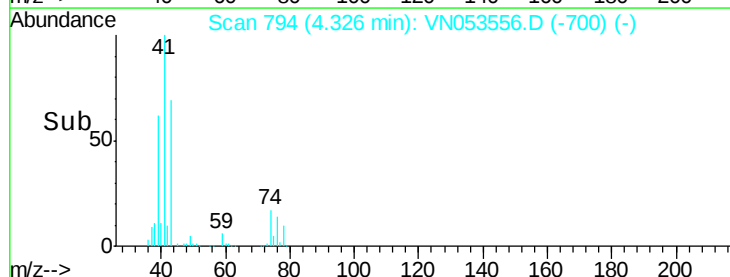
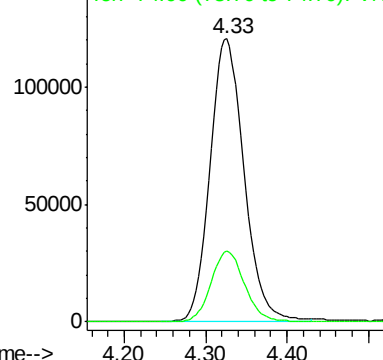
43 100

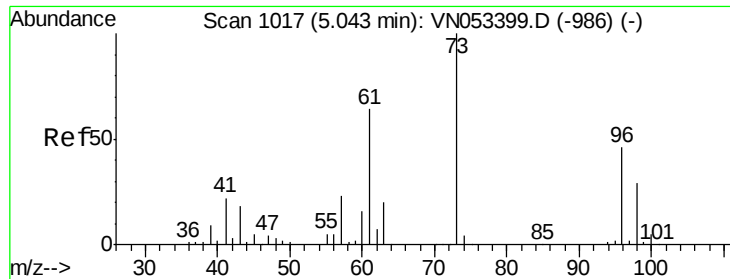
74 24.7 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO

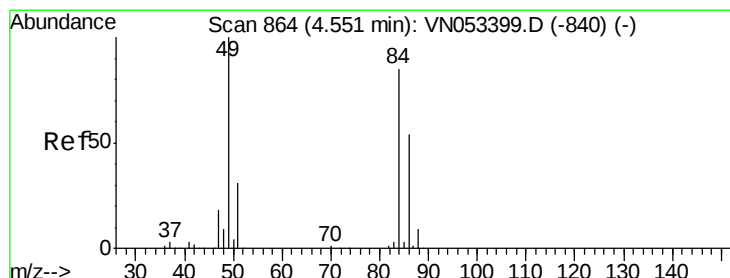
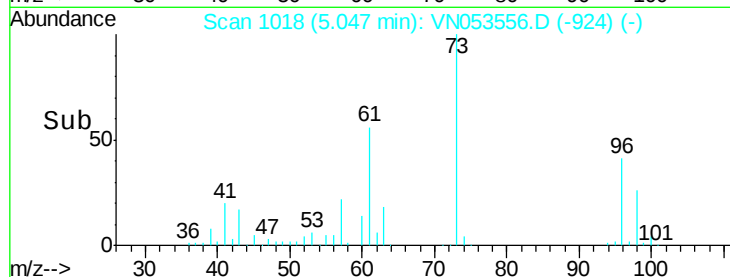
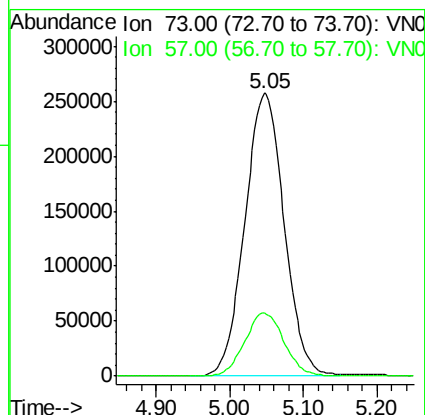
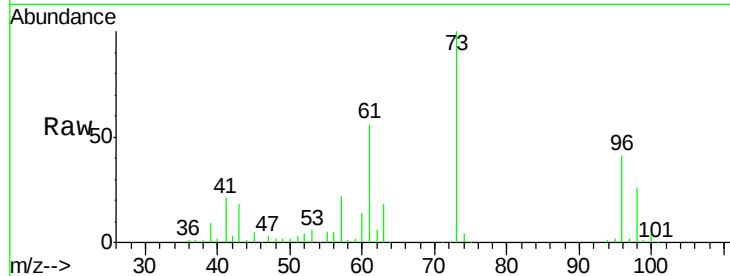




#19
Methvl tert-butvl Ether
Concen: 57.980 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN053556.D
Acq: 28 Jan 2019 19:57

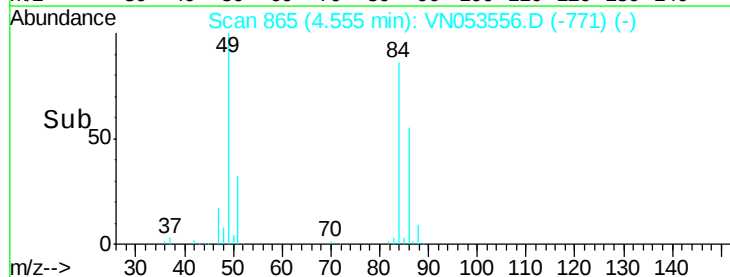
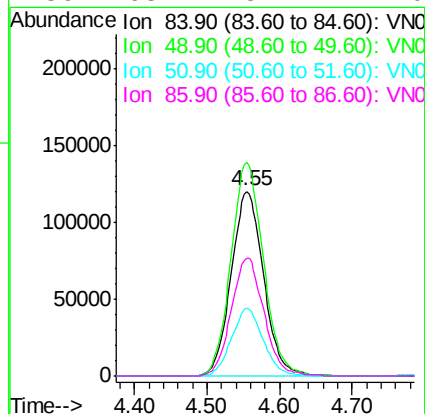
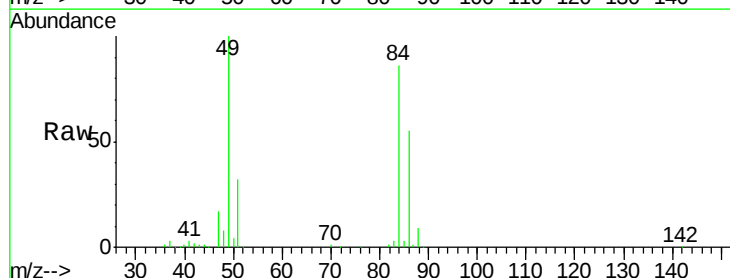
Instrument :
MSVOA_N
ClientSampled :

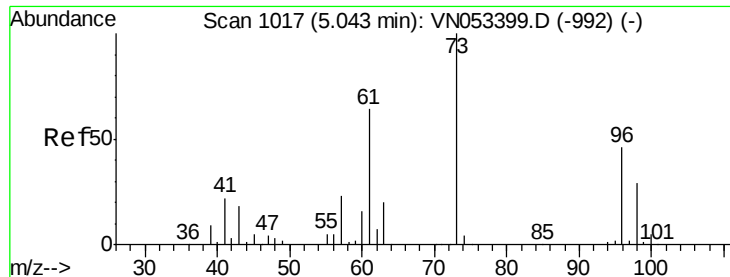
Tot Ion: 73 Resp: 955766
Ion Ratio Lower Upper
73 100
57 22.4 18.3 27.5



#20
Methylene Chloride
Concen: 50.694 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN053556.D
Acq: 28 Jan 2019 19:57

Tgt Ion: 84 Resp: 374005
Ion Ratio Lower Upper
84 100
49 115.8 94.3 141.5
51 36.8 29.4 44.2
86 63.7 51.4 77.0

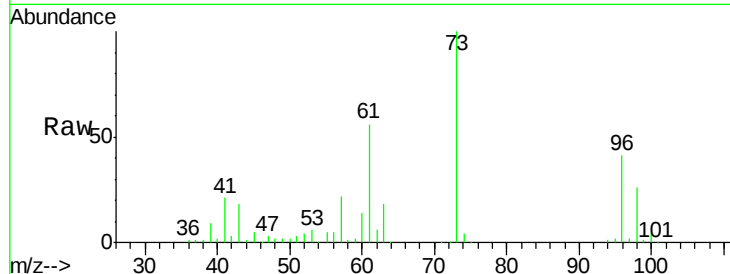




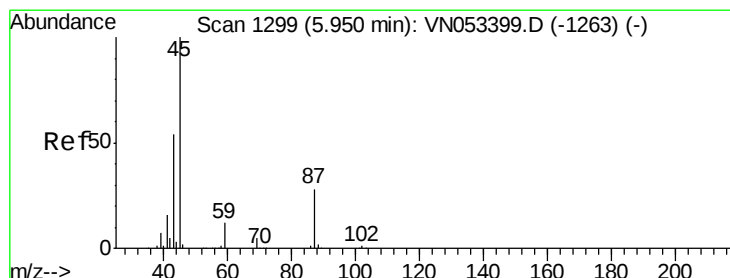
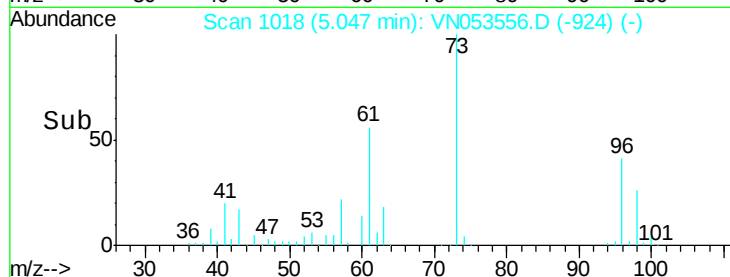
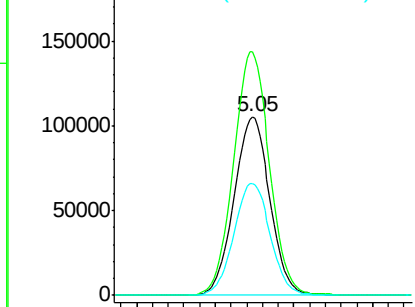
#21
trans-1,2-Dichloroethene
Concen: 50.656 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN053556.D
Acq: 28 Jan 2019 19:57

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 96 Resp: 335990
Ion Ratio Lower Upper
96 100
61 136.2 110.1 165.1
98 62.7 50.0 75.0

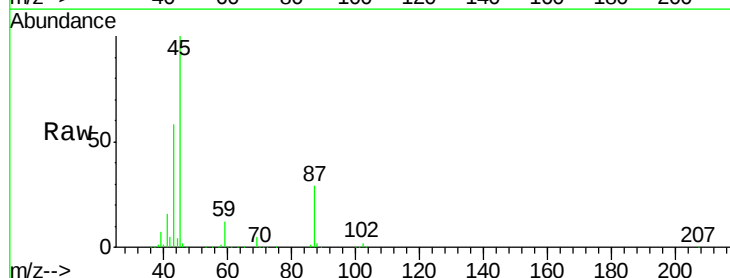


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

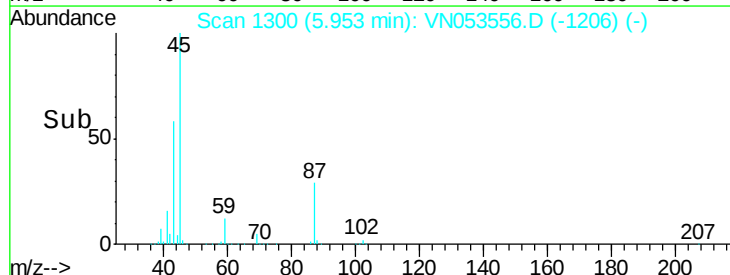
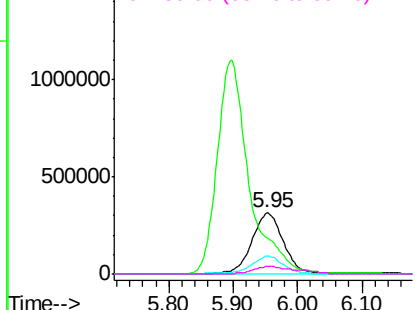


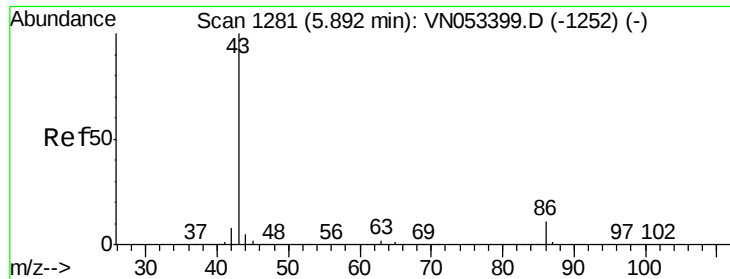
#22
Diisopropyl ether
Concen: 51.365 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN053556.D
Acq: 28 Jan 2019 19:57

Tgt Ion: 45 Resp: 1080589
Ion Ratio Lower Upper
45 100
43 57.6 44.2 66.4
87 28.6 22.7 34.1
59 11.9 9.4 14.2



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





#23

Vinyl Acetate

Concen: 293.479 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN053556.D

Acq: 28 Jan 2019 19:57

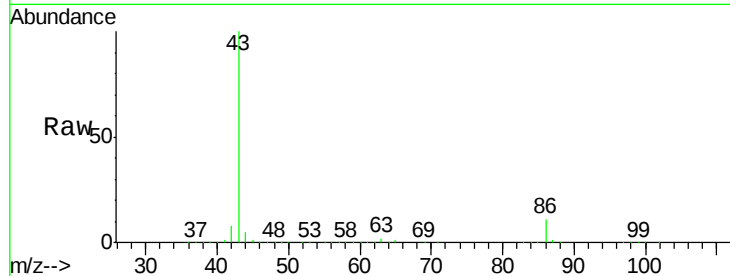
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 3795262

Ion Ratio Lower Upper

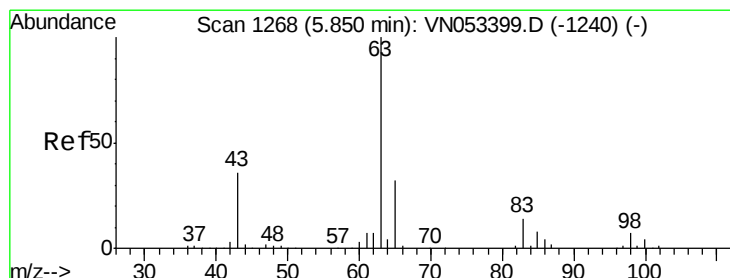
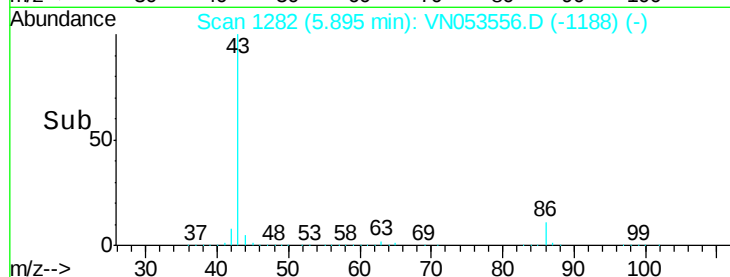
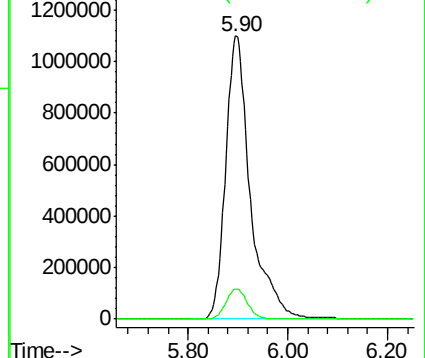
43 100

86 10.8 8.4 12.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 52.763 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN053556.D

Acq: 28 Jan 2019 19:57

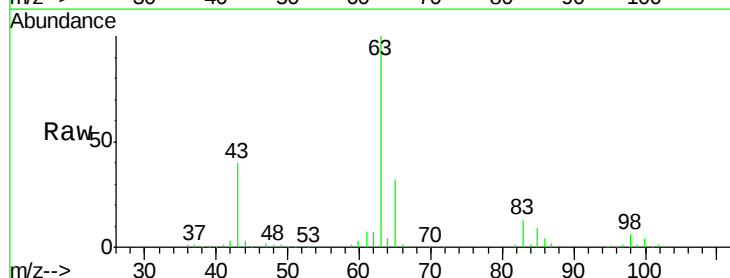
Tgt Ion: 63 Resp: 656186

Ion Ratio Lower Upper

63 100

98 6.5 3.3 9.9

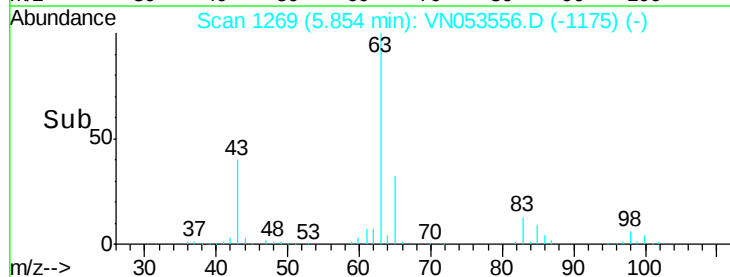
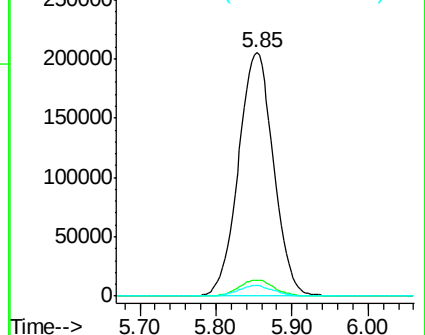
100 4.4 2.1 6.5

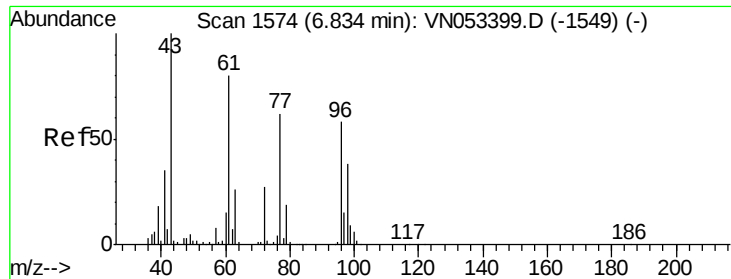


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 304.200 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN053556.D

Acq: 28 Jan 2019 19:57

Instrument :

MSVOA_N

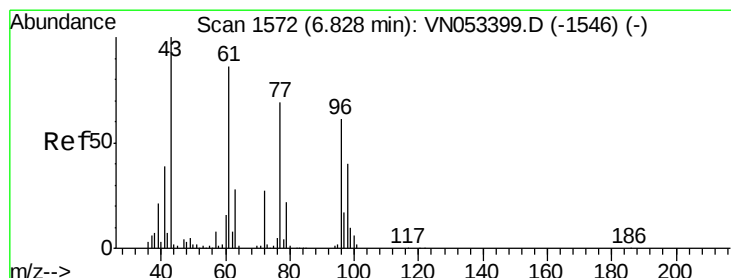
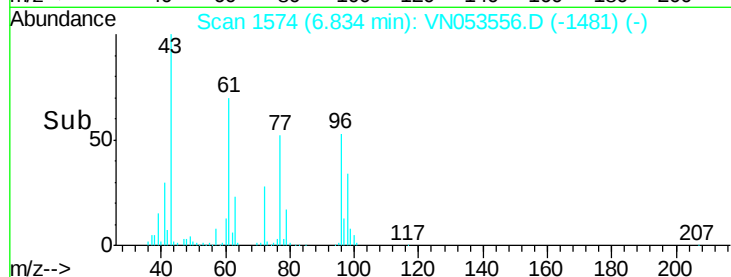
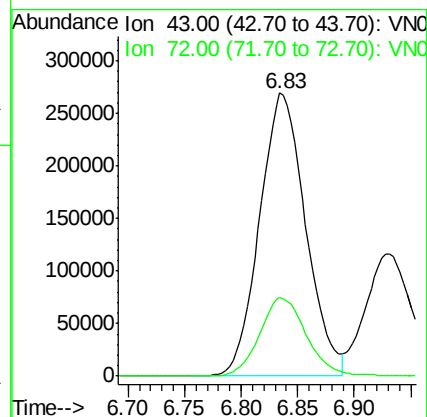
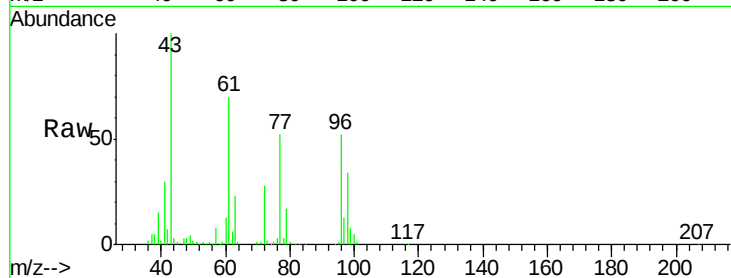
ClientSampleId :

Tot Ion: 43 Resp: 757517

Ion Ratio Lower Upper

43 100

72 27.8 22.0 33.0



#26

2,2-Dichloropropane

Concen: 50.041 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN053556.D

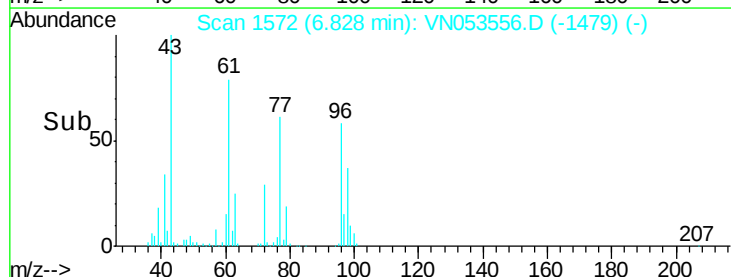
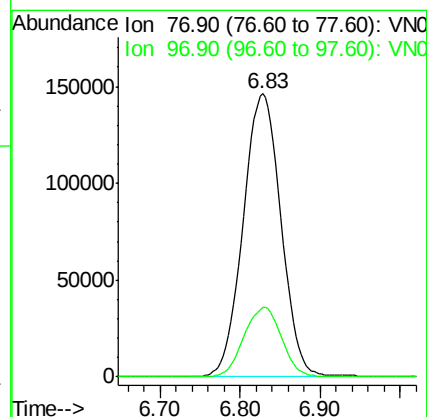
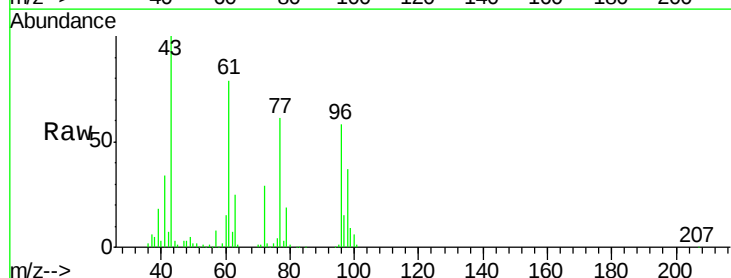
Acq: 28 Jan 2019 19:57

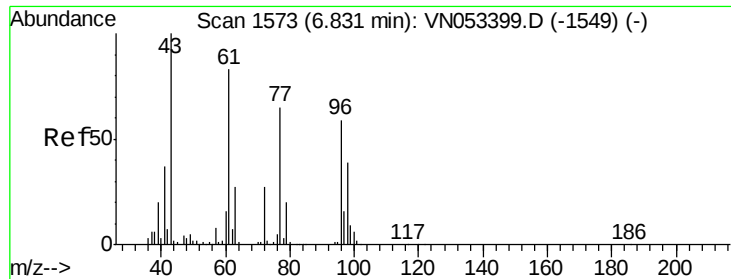
Tgt Ion: 77 Resp: 469876

Ion Ratio Lower Upper

77 100

97 24.4 12.2 36.6



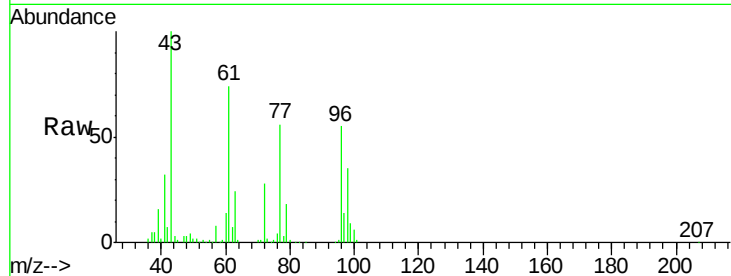


#27

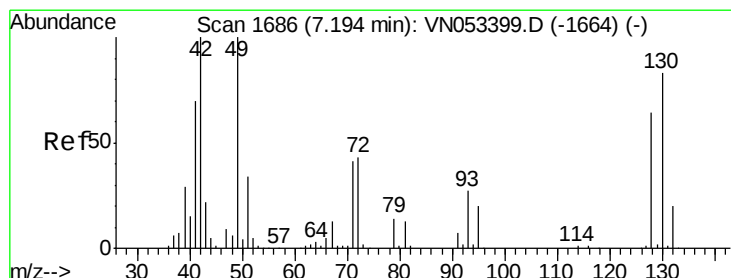
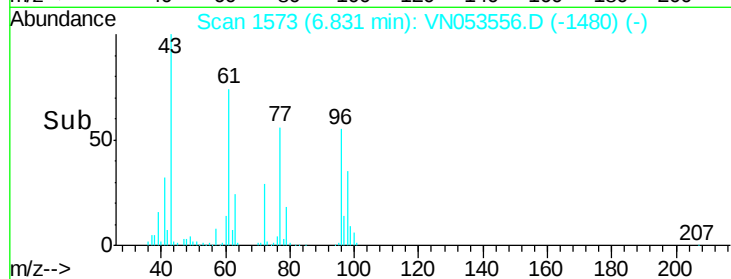
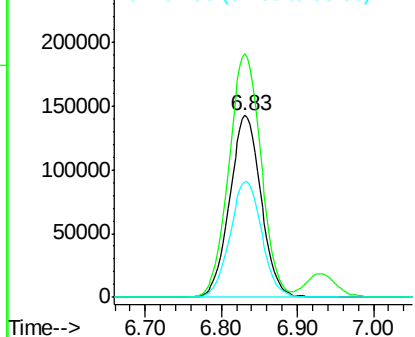
cis-1,2-Dichloroethene
Concen: 53.881 ug/l
RT: 6.83 min Scan# 1573
Delta R.T. 0.00 min
Lab File: VN053556.D
Acq: 28 Jan 2019 19:57

Instrument :
MSVOA_N
ClientSampled :

Tot Ion	96	Resp	408675
Ion Ratio	Lower	Upper	
96	100		
61	137.5	0.0	283.8
98	64.8	0.0	129.2



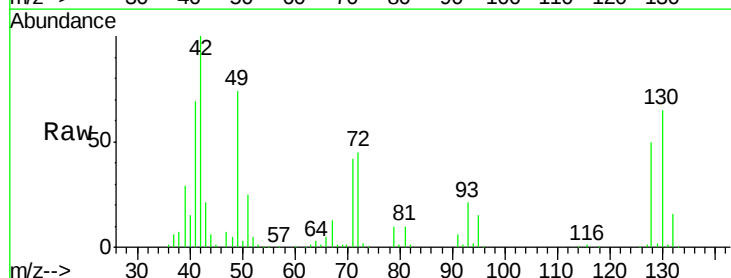
Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0



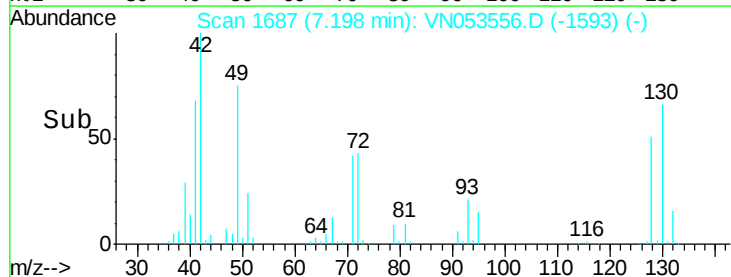
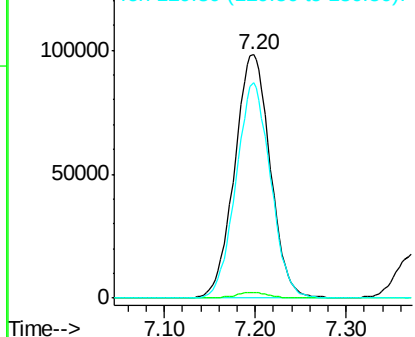
#28

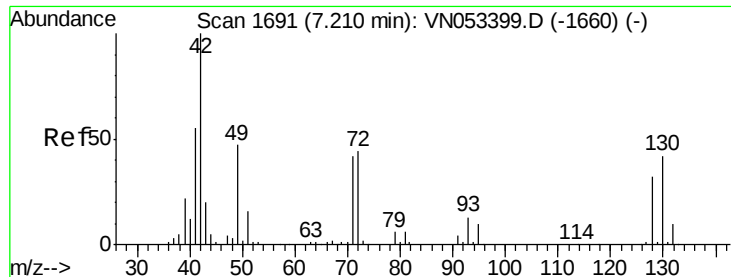
Bromochloromethane
Concen: 48.816 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN053556.D
Acq: 28 Jan 2019 19:57

Tgt Ion	49	Resp	267453
Ion Ratio <td>Lower</td> <td>Upper</td> <td></td>	Lower	Upper	
49	100		
129	2.1	0.0	4.0
130	85.8	66.3	99.5



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

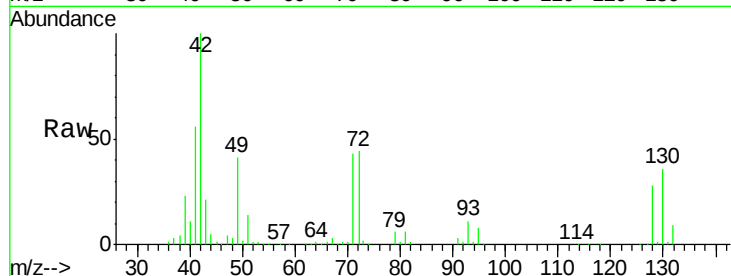




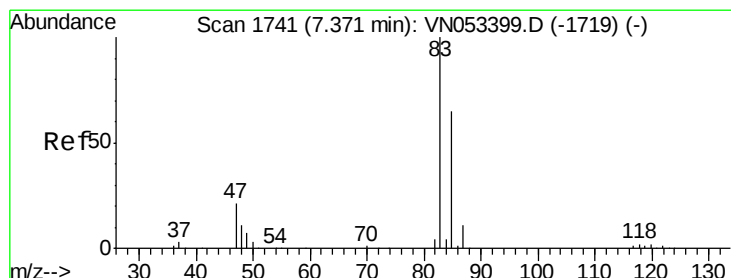
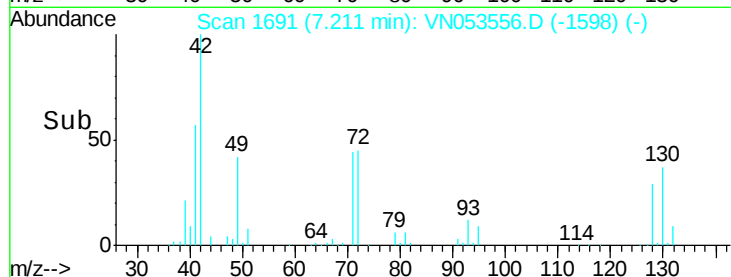
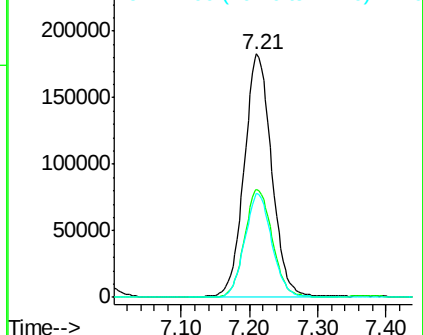
#29
Tetrahydrofuran
Concen: 315.949 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN053556.D
Acq: 28 Jan 2019 19:57

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 42 Resp: 512192
Ion Ratio Lower Upper
42 100
72 44.9 35.2 52.8
71 42.2 33.0 49.4

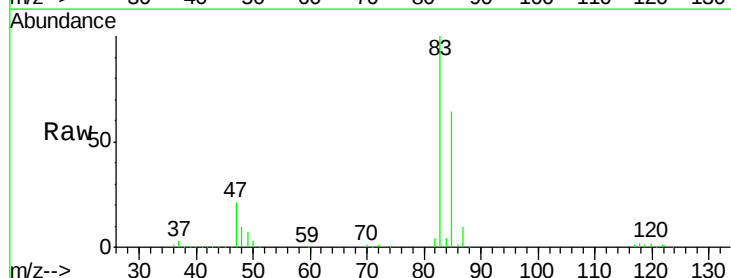


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

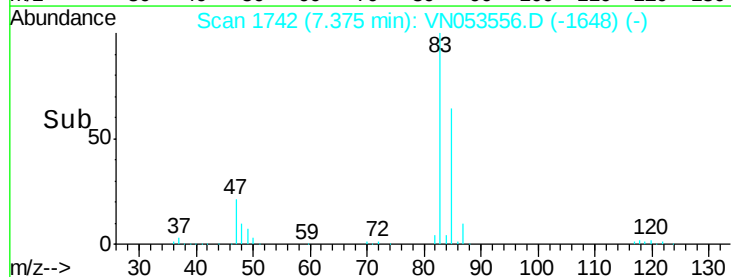
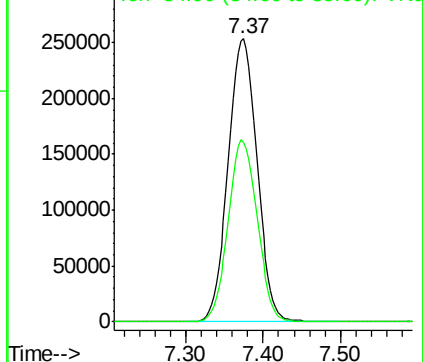


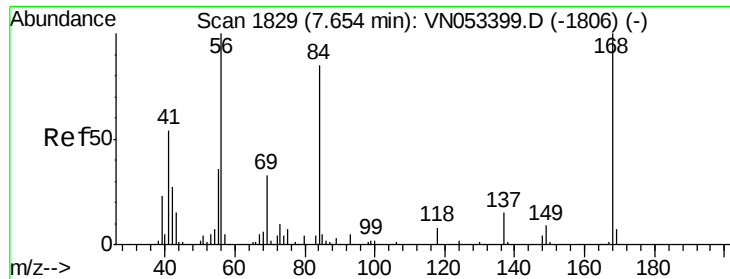
#30
Chloroform
Concen: 54.383 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN053556.D
Acq: 28 Jan 2019 19:57

Tgt Ion: 83 Resp: 658966
Ion Ratio Lower Upper
83 100
85 63.7 52.2 78.2



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

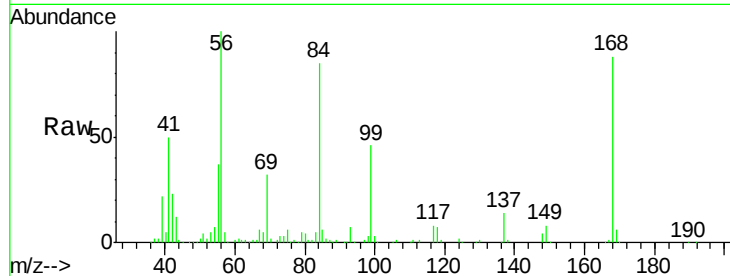




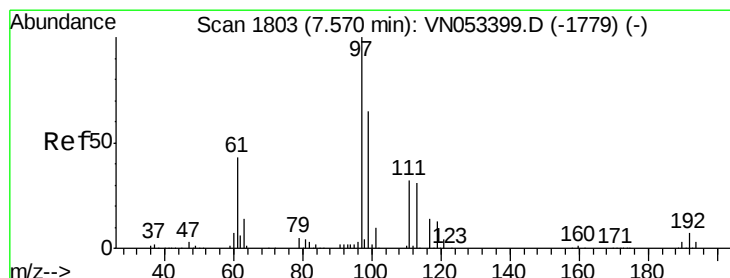
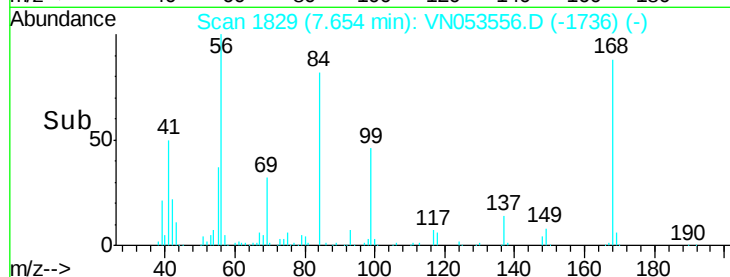
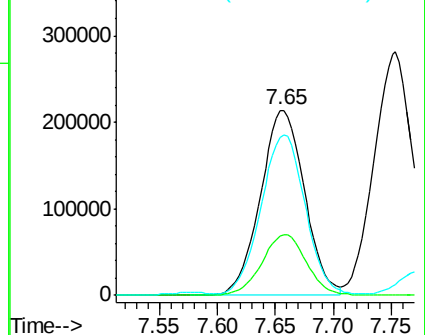
#31
Cyclohexane
Concen: 46.690 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN053556.D
Acq: 28 Jan 2019 19:57

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 565268
Ion Ratio Lower Upper
56 100
69 31.9 26.4 39.6
84 83.8 67.9 101.9

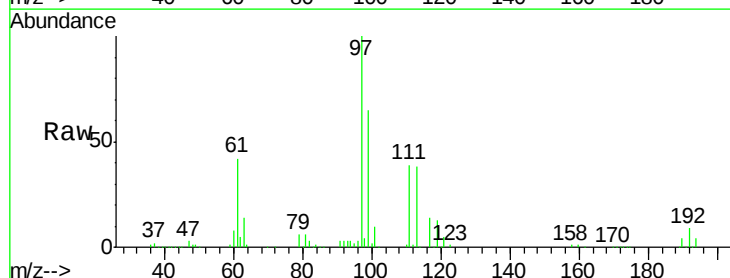


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

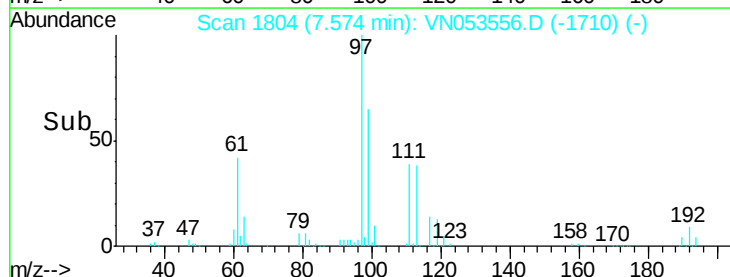
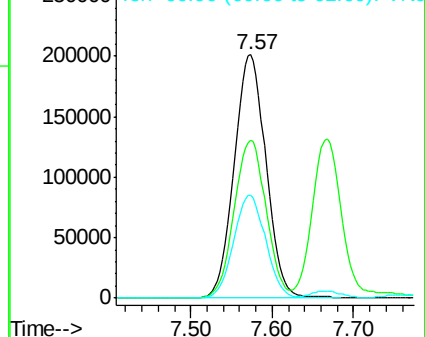


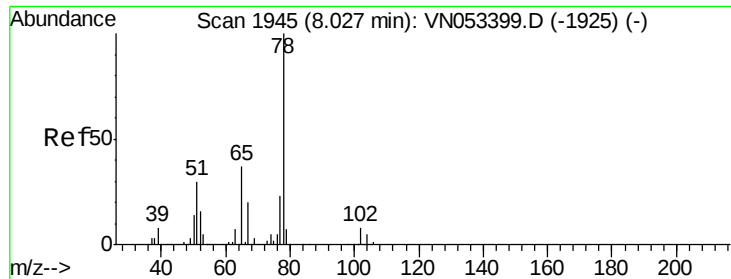
#32
1,1,1-Trichloroethane
Concen: 53.072 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VN053556.D
Acq: 28 Jan 2019 19:57

Tgt Ion: 97 Resp: 545514
Ion Ratio Lower Upper
97 100
99 65.2 52.0 78.0
61 42.4 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: 53.072 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN053556.D

Acq: 28 Jan 2019 19:57

Instrument :

MSVOA_N

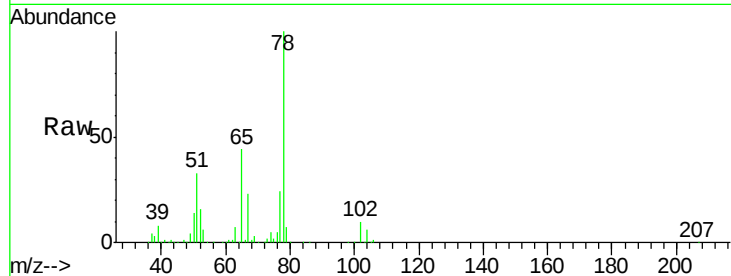
ClientSampleId :

Tot Ion: 65 Resp: 366002

Ion Ratio Lower Upper

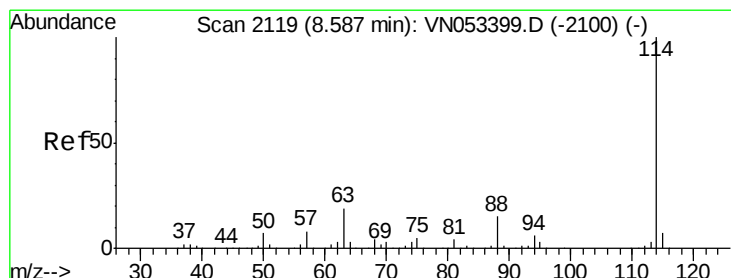
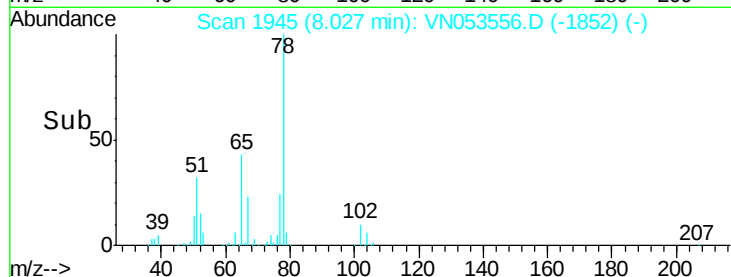
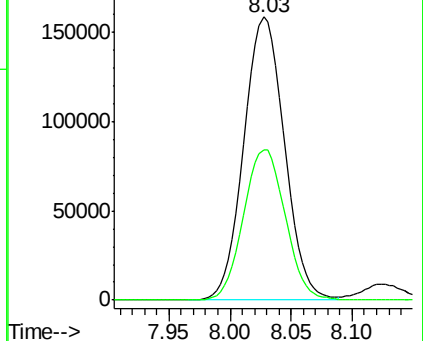
65 100

67 54.8 0.0 111.2



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN053556.D

Acq: 28 Jan 2019 19:57

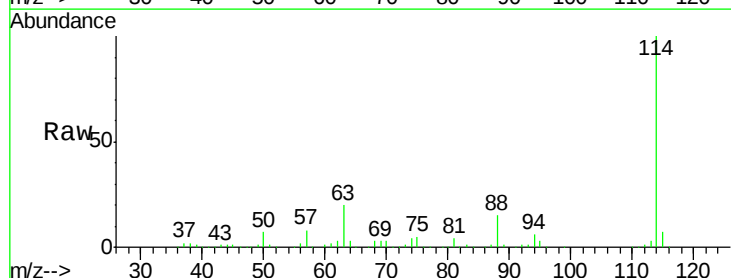
Tgt Ion: 114 Resp: 1063851

Ion Ratio Lower Upper

114 100

63 19.5 0.0 38.6

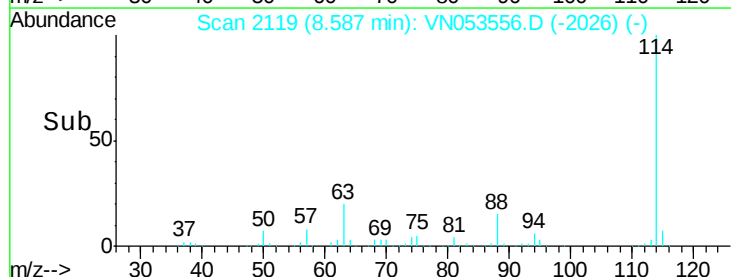
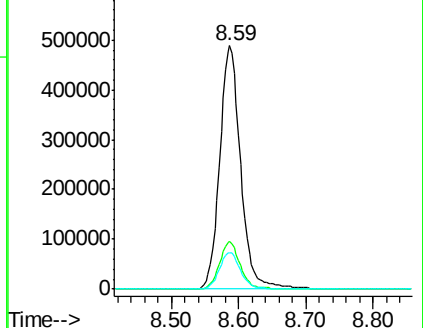
88 15.0 0.0 30.4

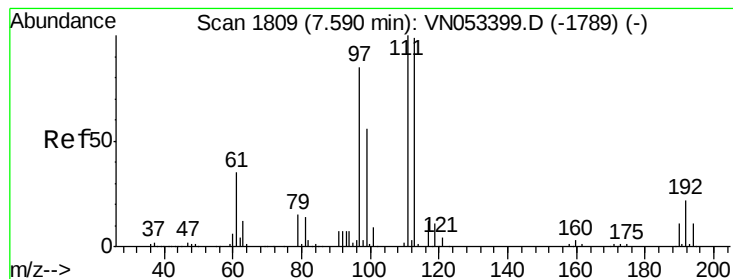


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN053556.D

Acq: 28 Jan 2019 19:57

Instrument :
MSVOA_N
ClientSampled :

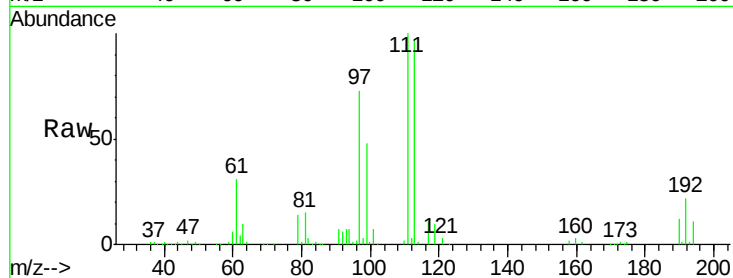
Tot Ion:113 Resp: 351354

Ion Ratio Lower Upper

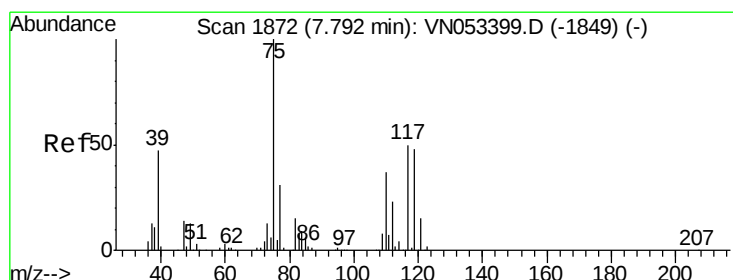
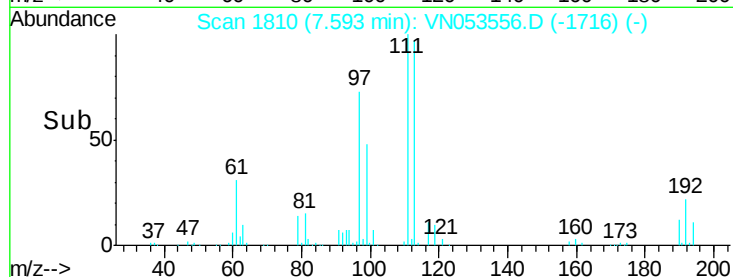
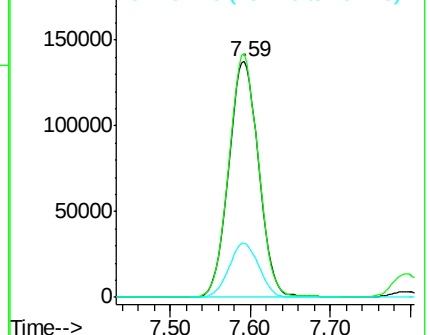
113 100

111 101.1 81.1 121.7

192 22.9 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: 49.629 ug/l

RT: 7.79 min Scan# 1872

Delta R.T. 0.00 min

Lab File: VN053556.D

Acq: 28 Jan 2019 19:57

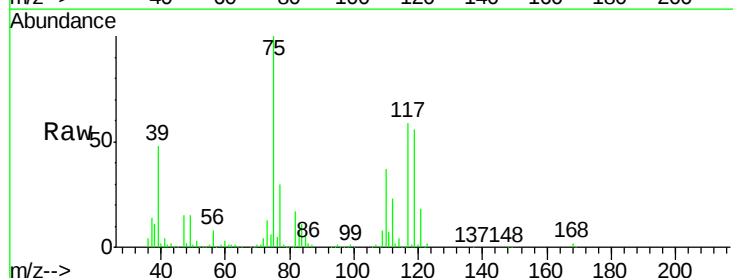
Tgt Ion: 75 Resp: 480833

Ion Ratio Lower Upper

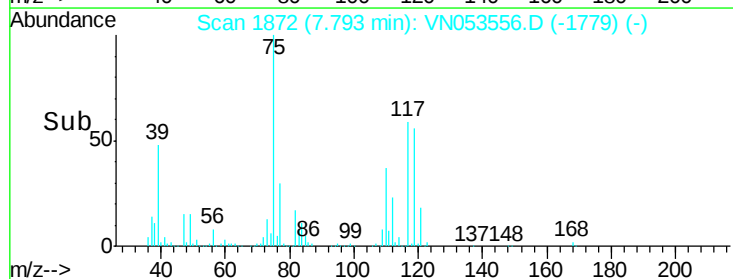
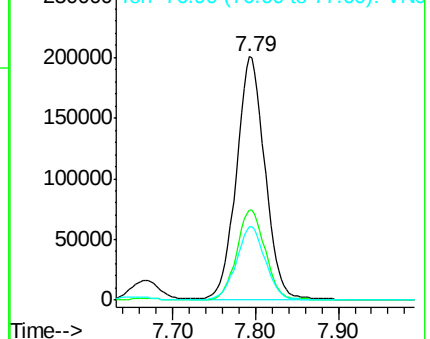
75 100

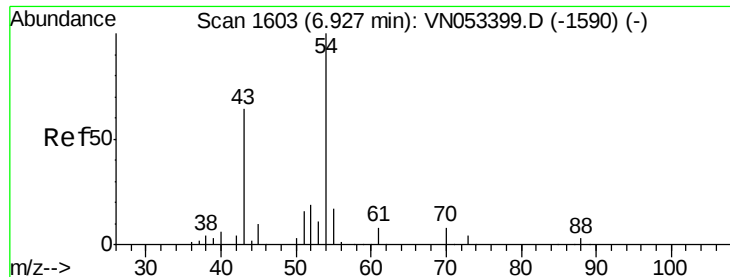
110 37.2 18.1 54.3

77 31.0 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

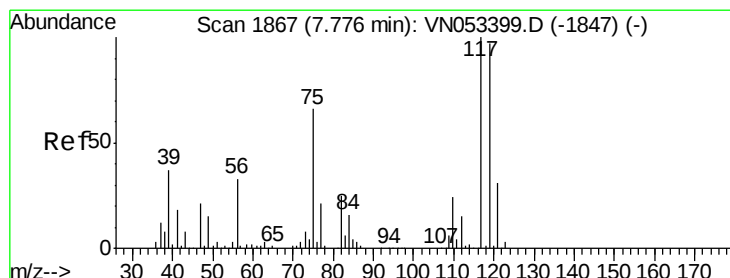
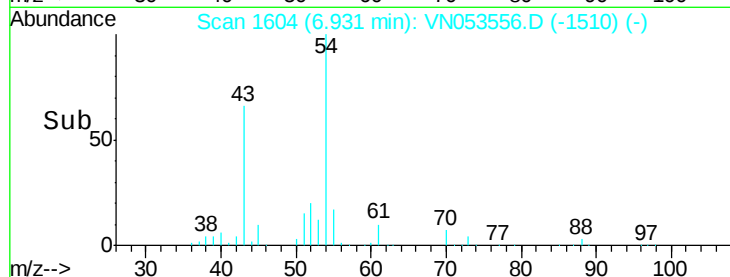
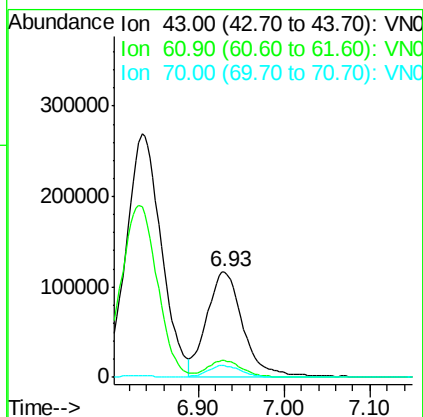
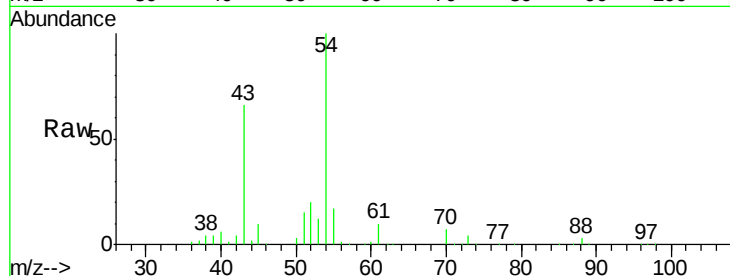




#37
Ethyl Acetate
Concen: 60.785 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN053556.D
Acq: 28 Jan 2019 19:57

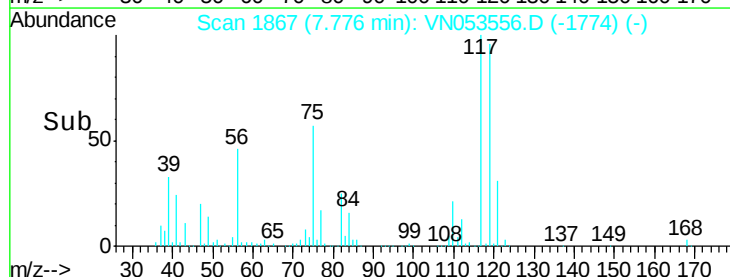
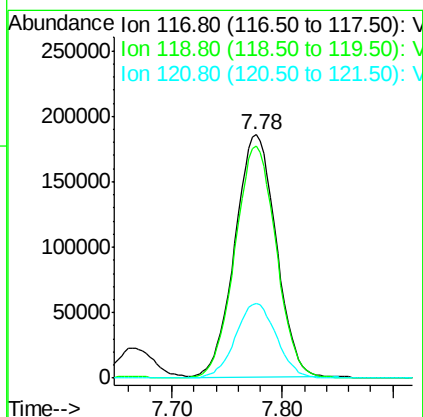
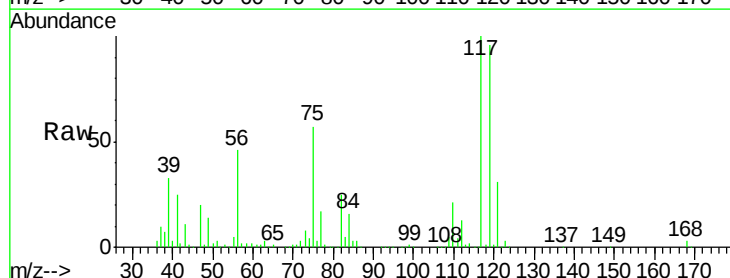
Instrument :
MSVOA_N
ClientSampled :

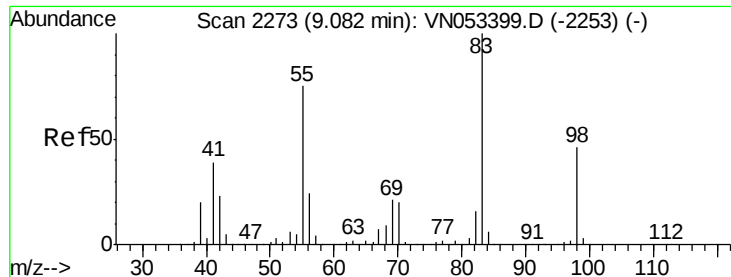
Tot Ion: 43 Resp: 338825
Ion Ratio Lower Upper
43 100
61 14.9 11.8 17.6
70 10.3 8.6 12.8



#38
Carbon Tetrachloride
Concen: 52.324 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN053556.D
Acq: 28 Jan 2019 19:57

Tgt Ion: 117 Resp: 479945
Ion Ratio Lower Upper
117 100
119 95.7 77.2 115.8
121 30.8 24.6 37.0

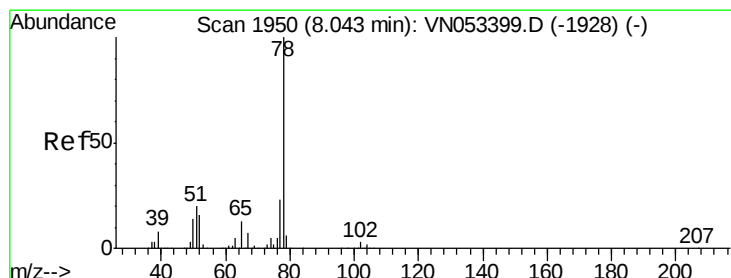
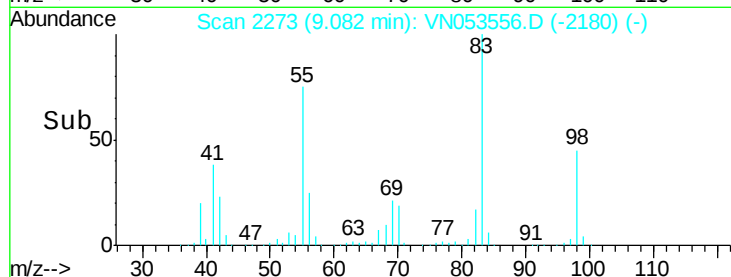
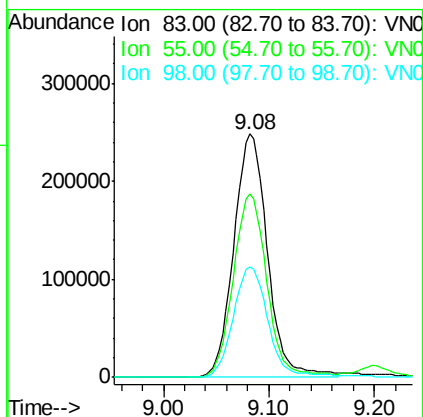
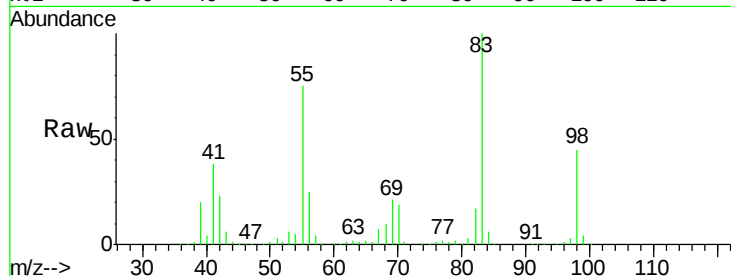




#39
Methvlcvclohexane
Concen: 46.035 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN053556.D
Acq: 28 Jan 2019 19:57

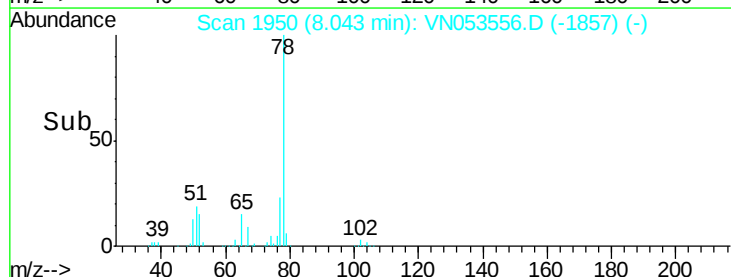
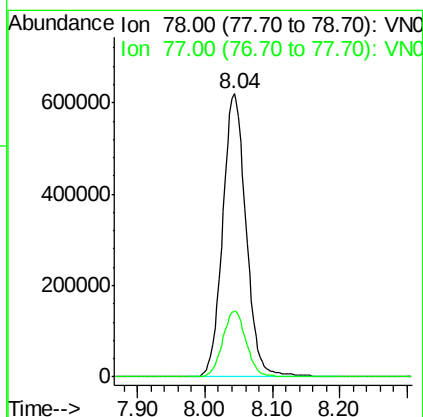
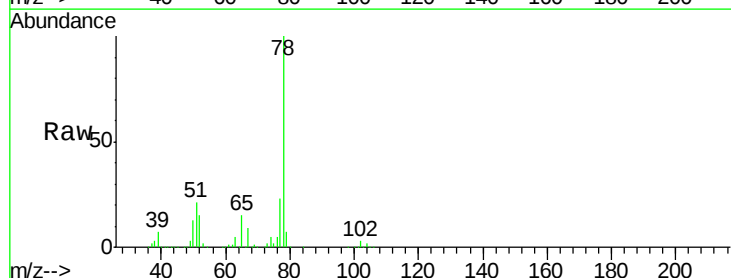
Instrument :
MSVOA_N
ClientSampled :

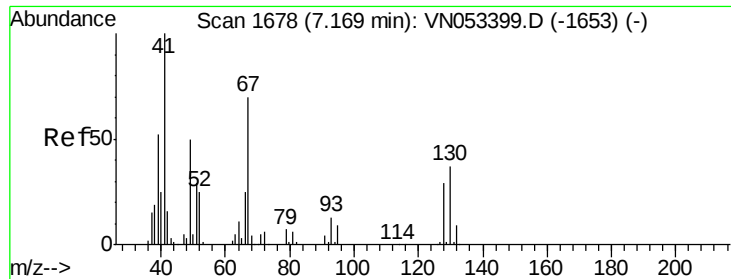
Tot Ion: 83 Resp: 551273
Ion Ratio Lower Upper
83 100
55 75.2 60.1 90.1
98 45.2 36.6 55.0



#40
Benzene
Concen: 51.024 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053556.D
Acq: 28 Jan 2019 19:57

Tgt Ion: 78 Resp: 1502241
Ion Ratio Lower Upper
78 100
77 23.4 18.8 28.2

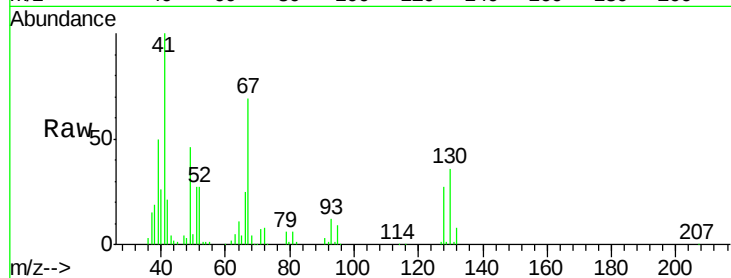




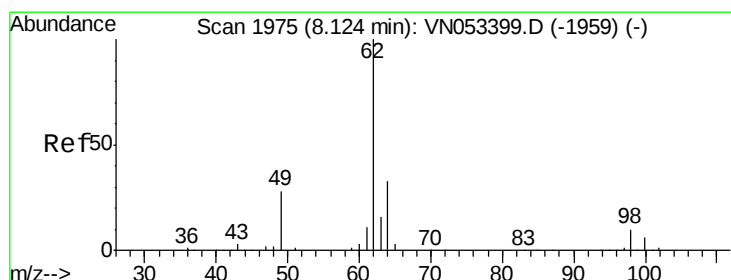
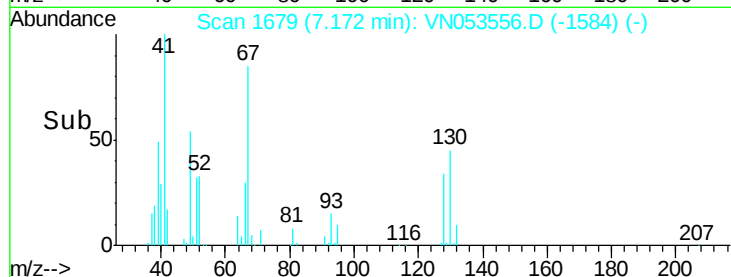
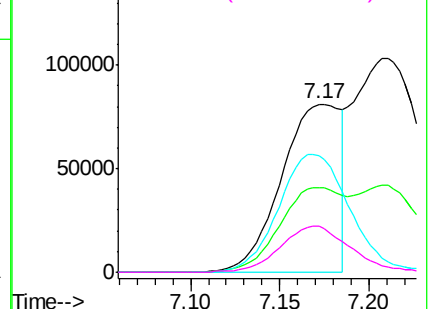
#41
Methacrylonitrile
Concen: 56.573 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN053556.D
Acq: 28 Jan 2019 19:57

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 41 Resp: 187674
Ion Ratio Lower Upper
41 100
39 54.5 46.8 70.2
67 84.1 63.0 94.6
52 32.9 23.8 35.8

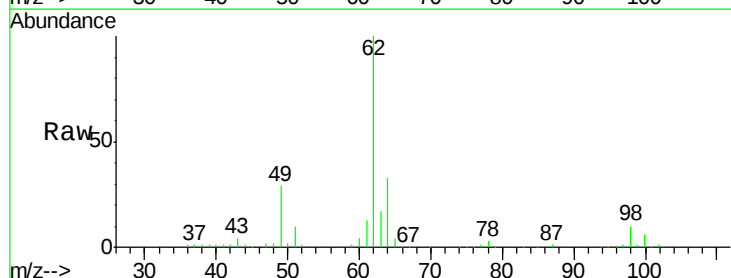


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

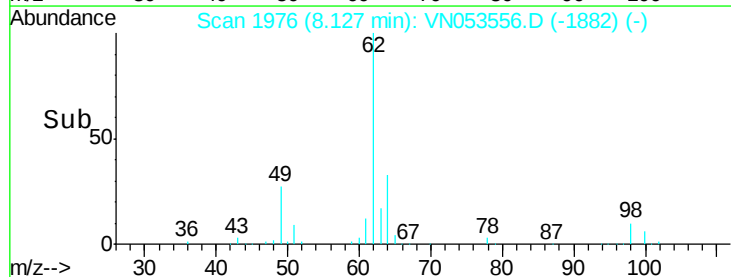
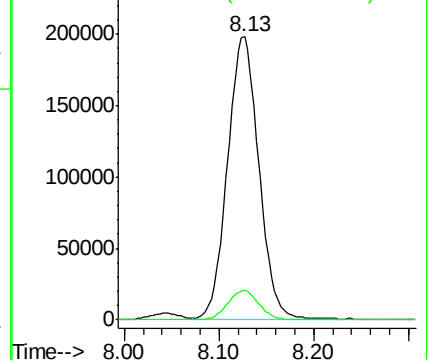


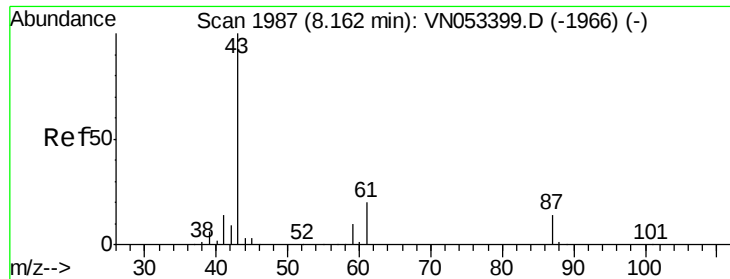
#42
1,2-Dichloroethane
Concen: 52.955 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN053556.D
Acq: 28 Jan 2019 19:57

Tgt Ion: 62 Resp: 454209
Ion Ratio Lower Upper
62 100
98 10.5 0.0 19.6



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





#43

Isopropyl Acetate

Concen: 61.283 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN053556.D

Acq: 28 Jan 2019 19:57

Instrument :

MSVOA_N

ClientSampleId :

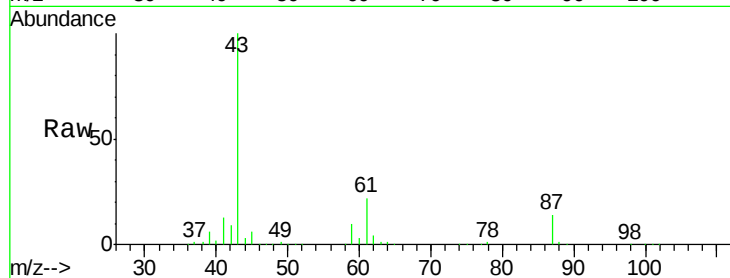
Tot Ion: 43 Resp: 614242

Ion Ratio Lower Upper

43 100

61 28.6 23.9 35.9

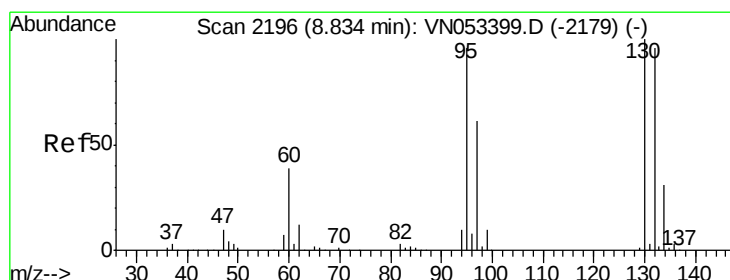
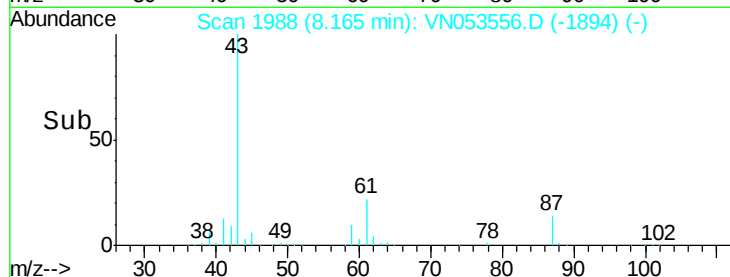
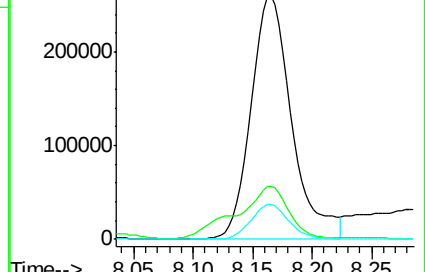
87 13.7 11.0 16.6



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

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

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



#44

Trichloroethene

Concen: 50.428 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN053556.D

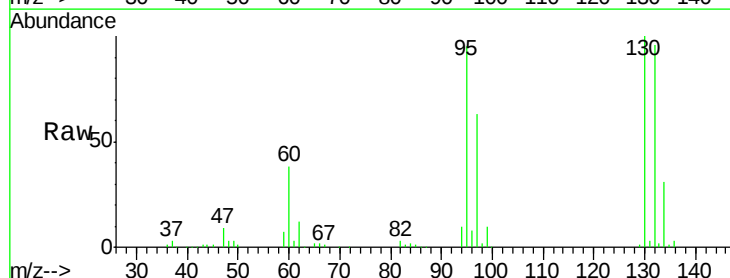
Acq: 28 Jan 2019 19:57

Tgt Ion:130 Resp: 411729

Ion Ratio Lower Upper

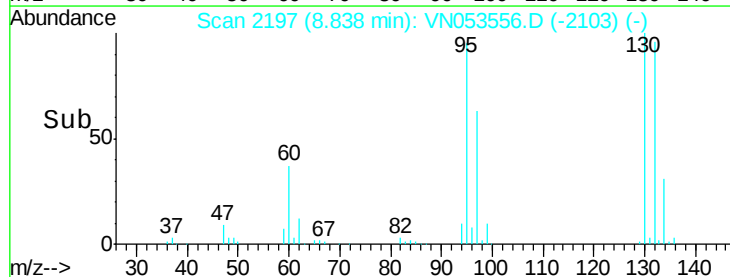
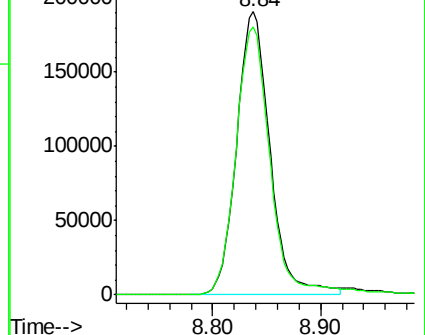
130 100

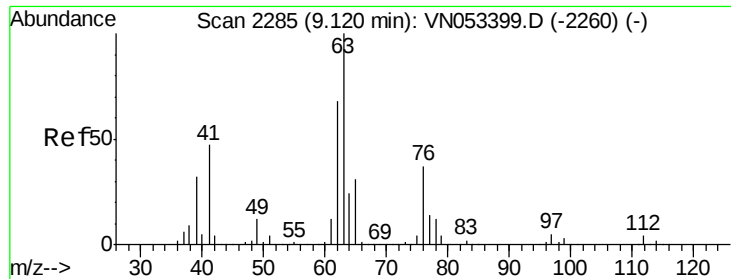
95 94.6 0.0 191.4



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

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





#45

1,2-Dichloropropane

Concen: 51.687 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN053556.D

Acq: 28 Jan 2019 19:57

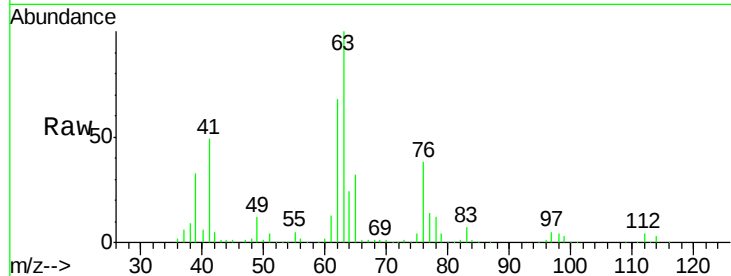
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 63 Resp: 403072

Ion Ratio Lower Upper

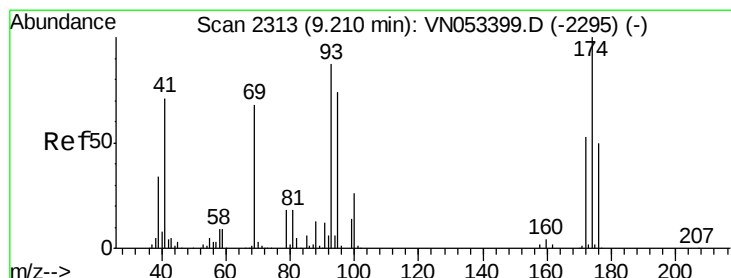
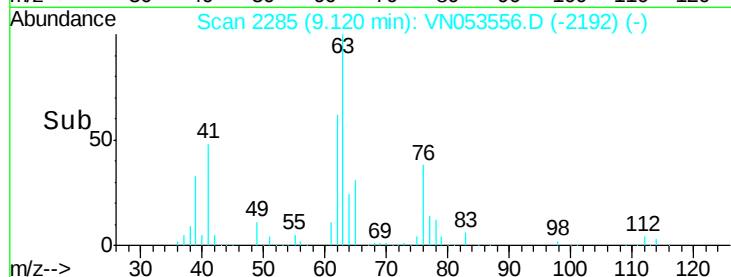
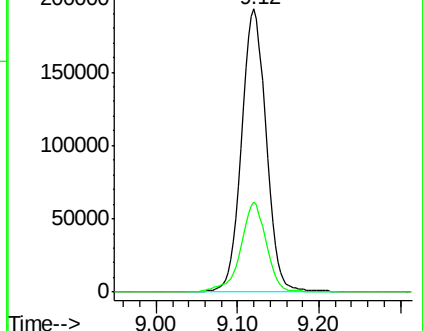
63 100

65 31.8 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: 54.073 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN053556.D

Acq: 28 Jan 2019 19:57

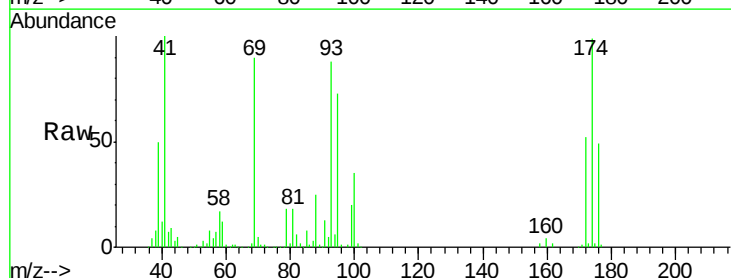
Tgt Ion: 93 Resp: 242269

Ion Ratio Lower Upper

93 100

95 82.8 67.3 100.9

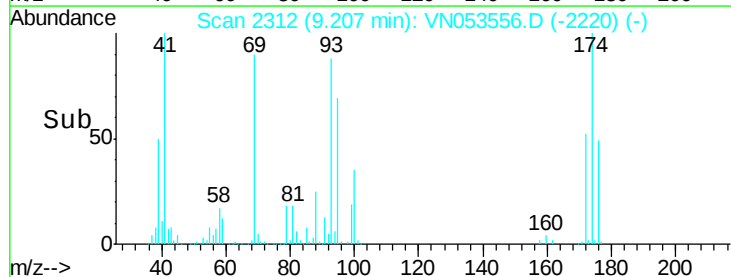
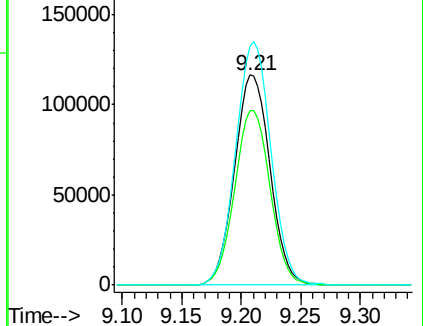
174 115.1 91.0 136.4



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

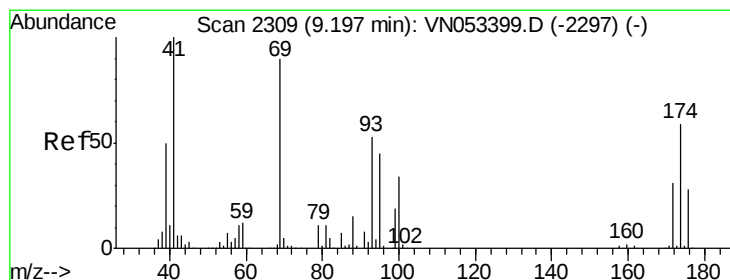
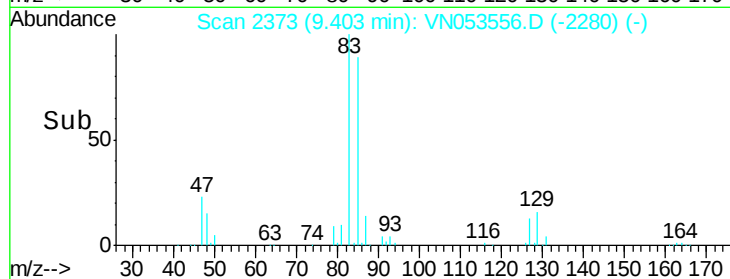
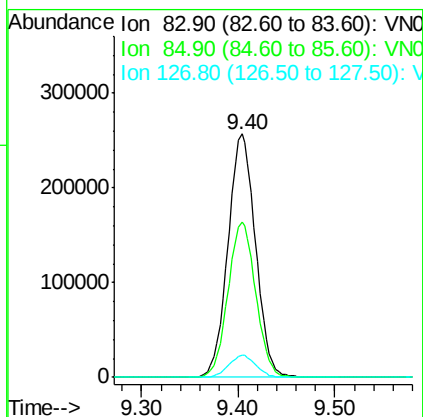
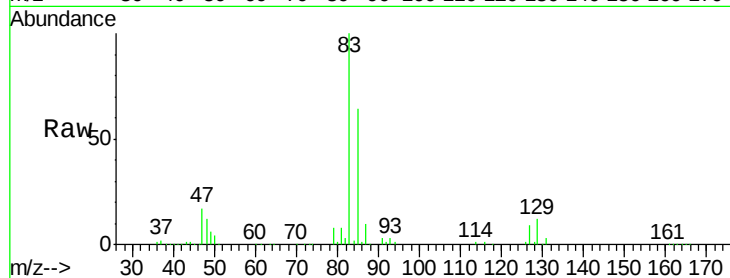




#47
Bromodichloromethane
Concen: 53.761 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN053556.D
Acq: 28 Jan 2019 19:57

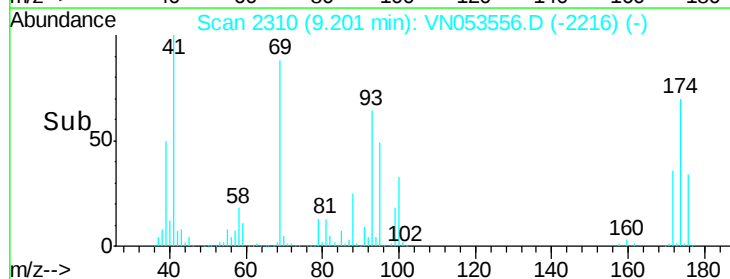
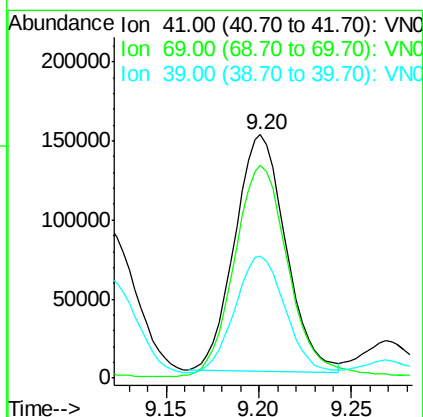
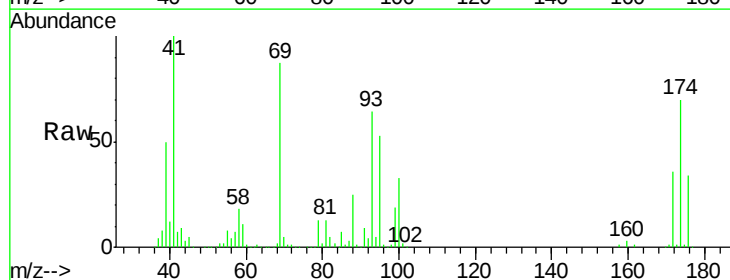
Instrument :
MSVOA_N
ClientSampleId :

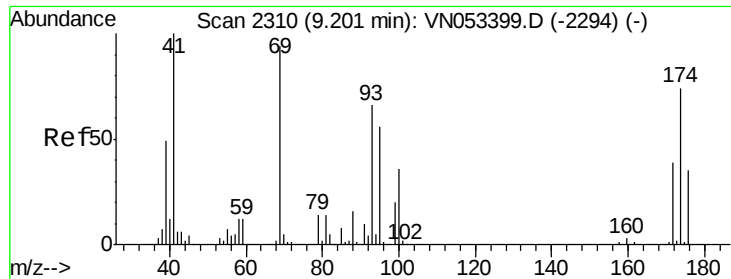
Tot Ion: 83 Resp: 506552
Ion Ratio Lower Upper
83 100
85 63.9 51.0 76.6
127 8.9 7.0 10.6



#48
Methyl methacrylate
Concen: 55.373 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN053556.D
Acq: 28 Jan 2019 19:57

Tgt Ion: 41 Resp: 286559
Ion Ratio Lower Upper
41 100
69 97.0 73.8 110.6
39 53.6 40.0 60.0





#49

1,4-Dioxane

Concen: 1664.916 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN053556.D

Acq: 28 Jan 2019 19:57

Instrument :
MSVOA_N
ClientSampleId :

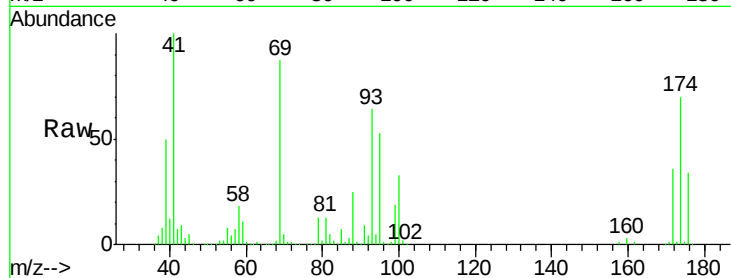
Tot Ion: 88 Resp: 84147

Ion Ratio Lower Upper

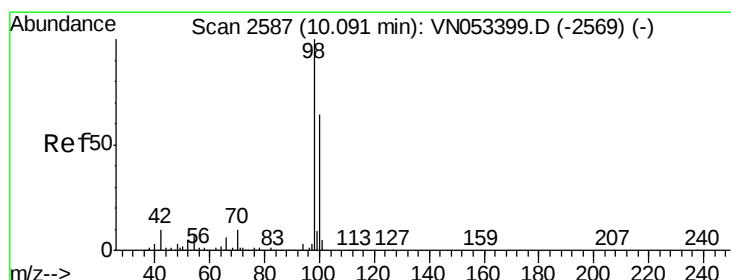
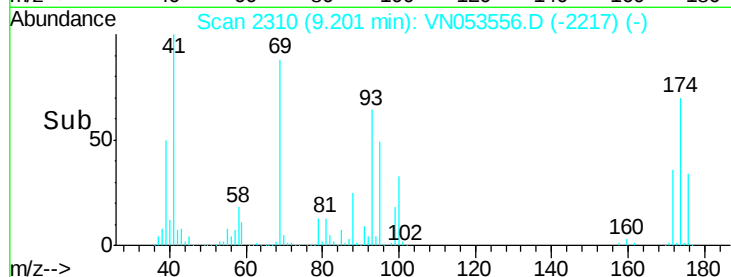
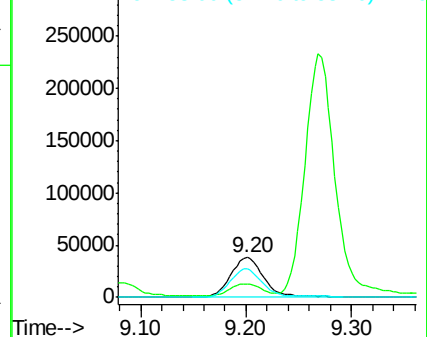
88 100

43 27.1 27.8 41.6#

58 68.9 56.5 84.7



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



#50

Toluene-d8

Concen: 1664.916 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053556.D

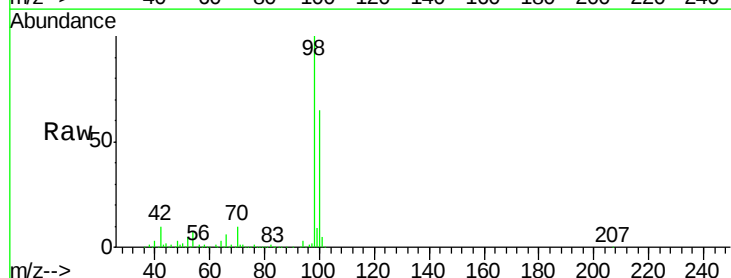
Acq: 28 Jan 2019 19:57

Tgt Ion: 98 Resp: 1282411

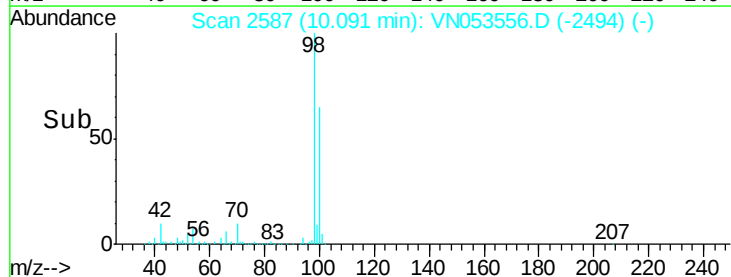
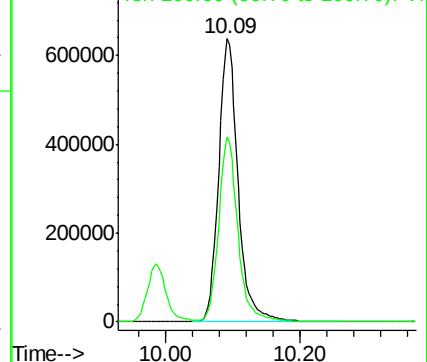
Ion Ratio Lower Upper

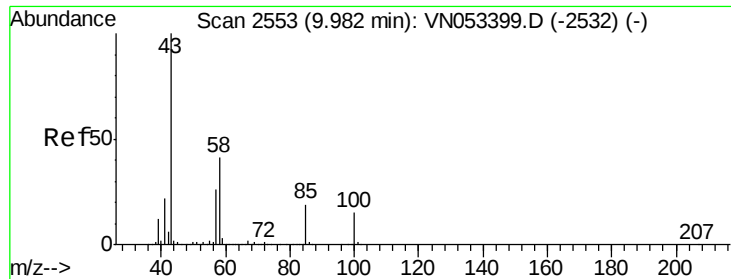
98 100

100 65.0 51.4 77.0



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

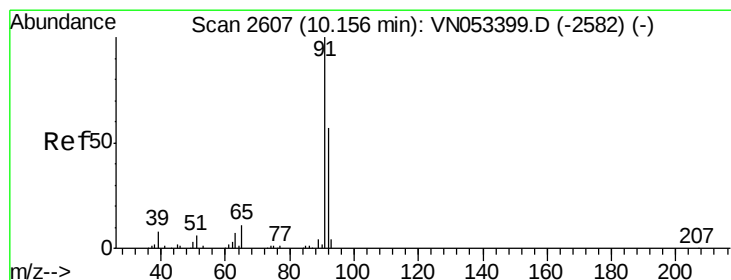
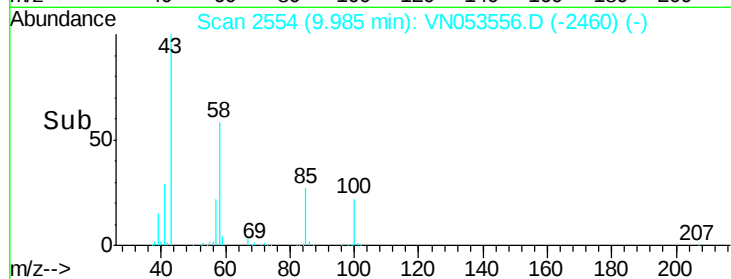
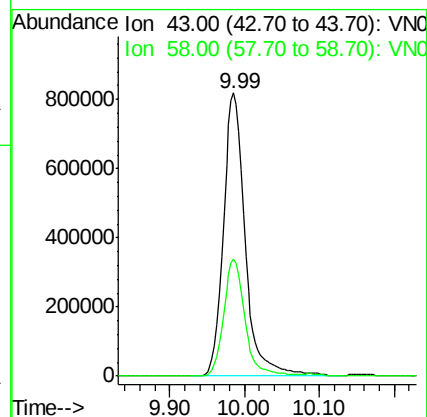
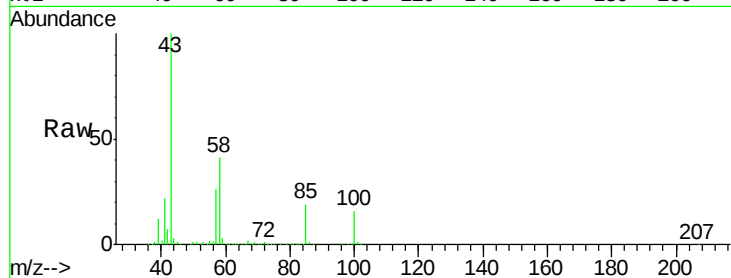




#51
4-Methyl-2-Pentanone
Concen: 300.036 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN053556.D
Acq: 28 Jan 2019 19:57

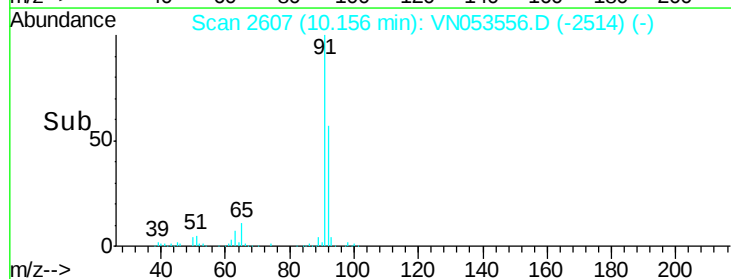
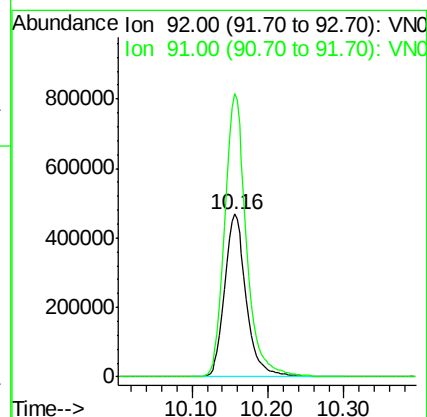
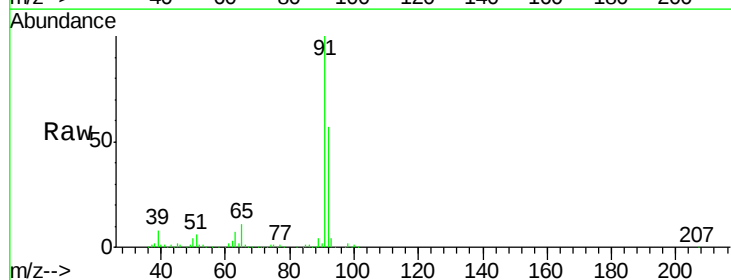
Instrument :
MSVOA_N
ClientSampleId :

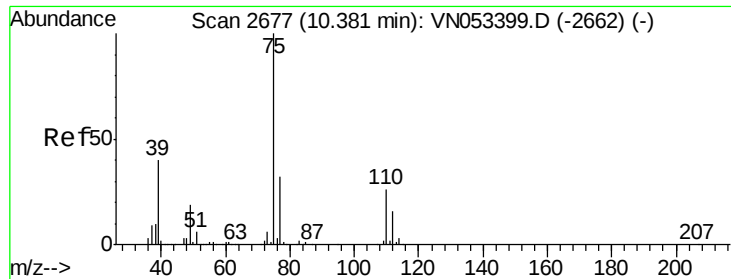
Tot Ion: 43 Resp: 1641641
Ion Ratio Lower Upper
43 100
58 40.7 32.8 49.2



#52
Toluene
Concen: 50.783 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN053556.D
Acq: 28 Jan 2019 19:57

Tgt Ion: 92 Resp: 928222
Ion Ratio Lower Upper
92 100
91 174.4 139.9 209.9





#53

t-1,3-Dichloropropene

Concen: 54.778 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN053556.D

Acq: 28 Jan 2019 19:57

Instrument :

MSVOA_N

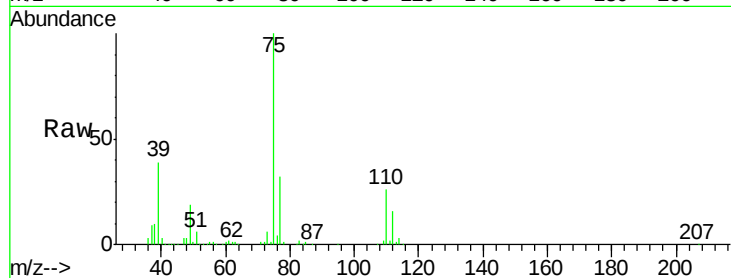
ClientSampleId :

Tot Ion: 75 Resp: 523150

Ion Ratio Lower Upper

75 100

77 32.2 25.5 38.3



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

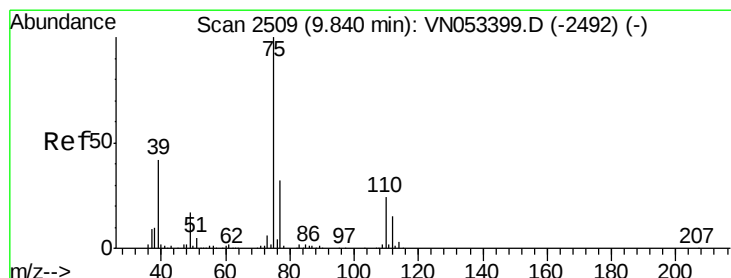
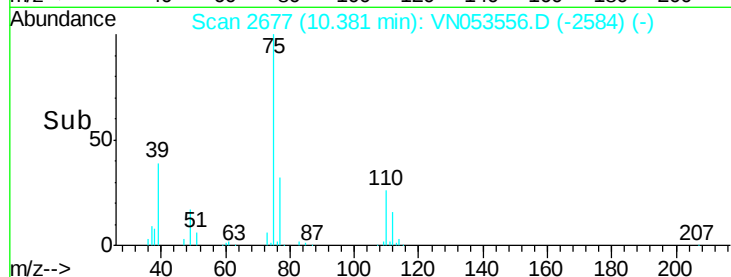
300000

200000

100000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 54.133 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN053556.D

Acq: 28 Jan 2019 19:57

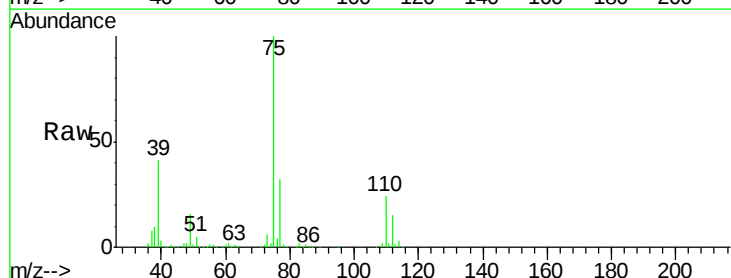
Tgt Ion: 75 Resp: 606048

Ion Ratio Lower Upper

75 100

77 31.6 25.8 38.6

39 40.5 33.4 50.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.84

400000

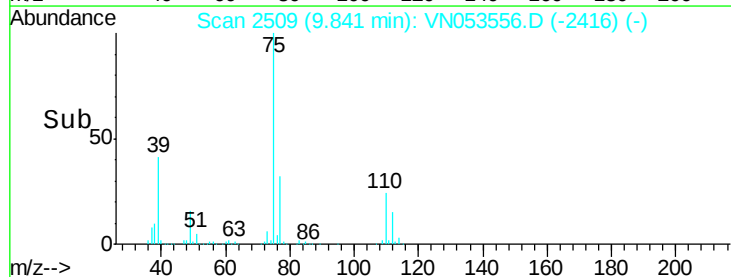
300000

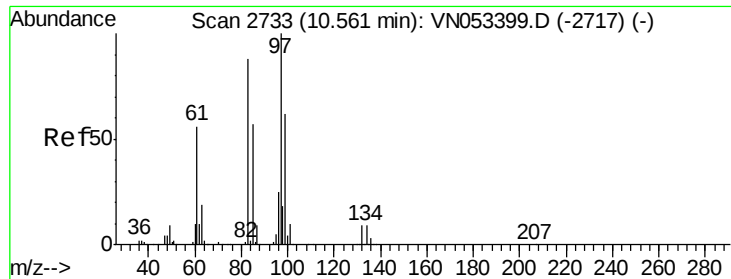
200000

100000

0

Time-->

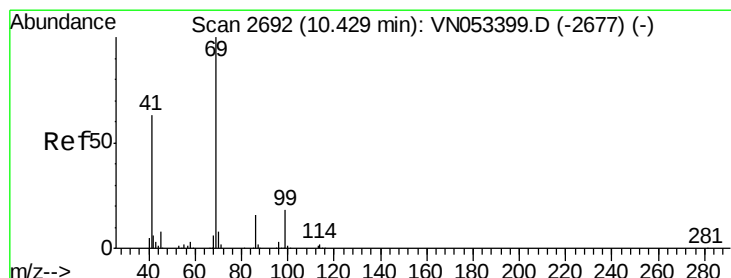
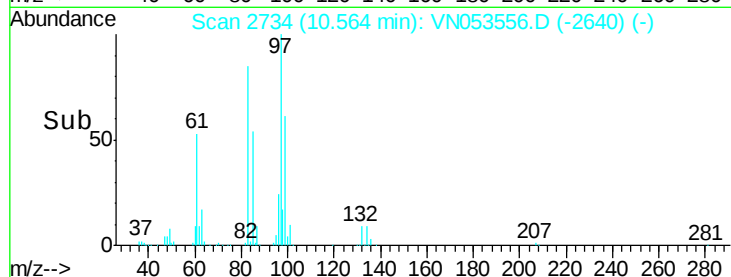
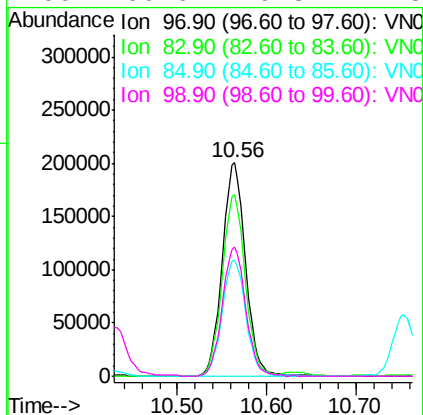
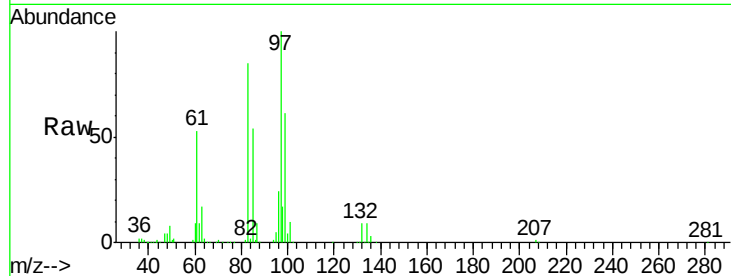




#55
 1,1,2-Trichloroethane
 Concen: 57.643 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN053556.D
 Acq: 28 Jan 2019 19:57

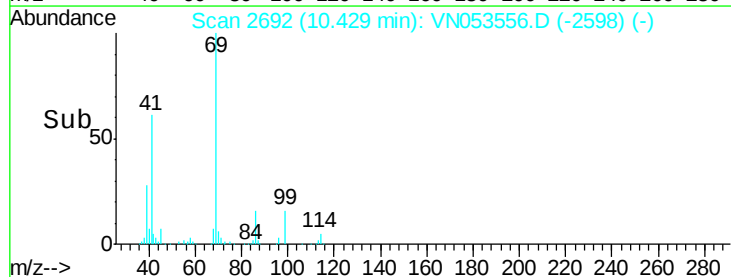
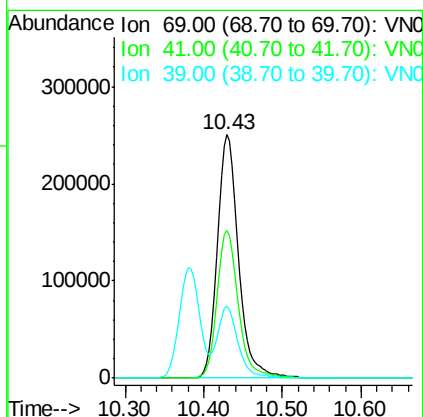
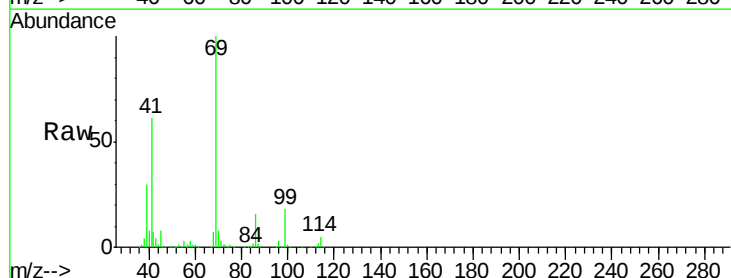
Instrument :
 MSVOA_N
 ClientSampleId :

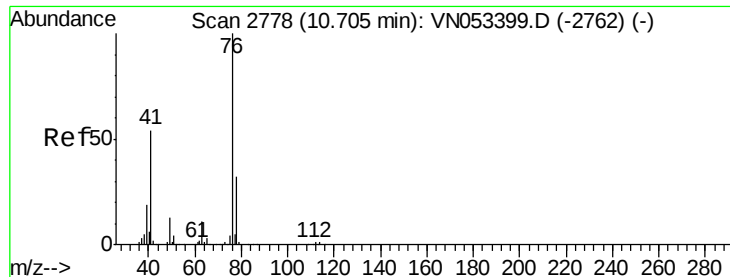
Tot Ion: 97 Resp: 363248
 Ion Ratio Lower Upper
 97 100
 83 84.9 70.1 105.1
 85 54.3 45.4 68.0
 99 60.6 49.8 74.8



#56
 Ethyl methacrylate
 Concen: 51.707 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053556.D
 Acq: 28 Jan 2019 19:57

Tgt Ion: 69 Resp: 463075
 Ion Ratio Lower Upper
 69 100
 41 61.0 49.4 74.0
 39 29.2 23.3 34.9

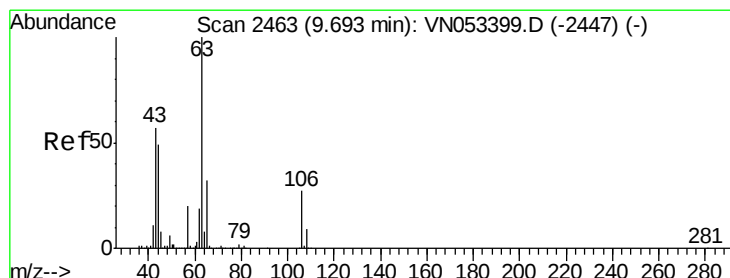
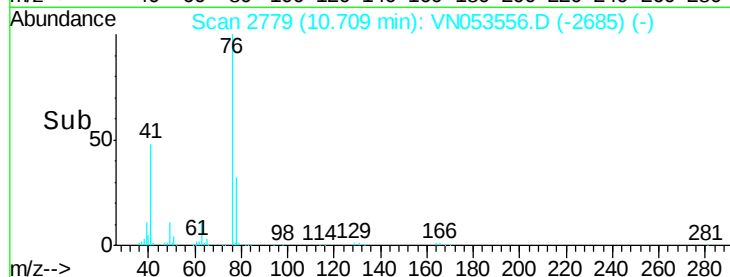
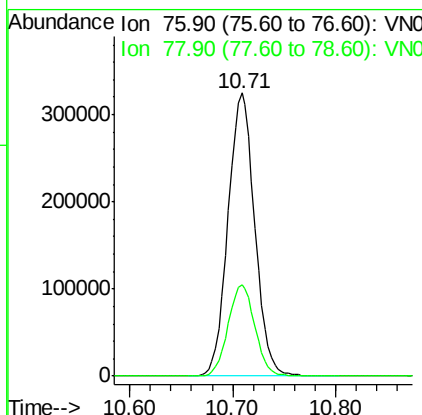
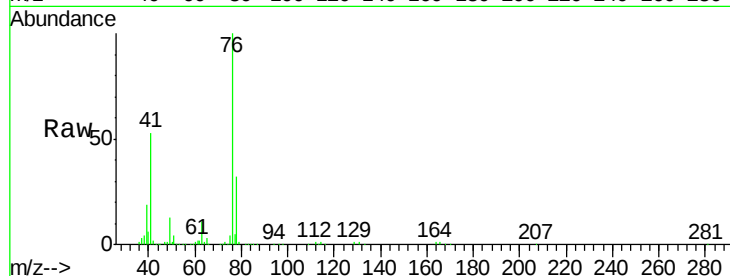




#57
 1,3-Dichloropropane
 Concen: 53.828 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN053556.D
 Acq: 28 Jan 2019 19:57

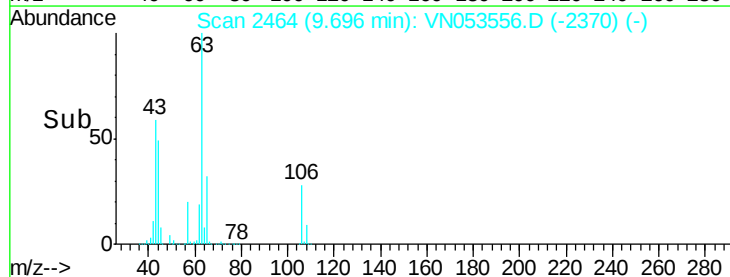
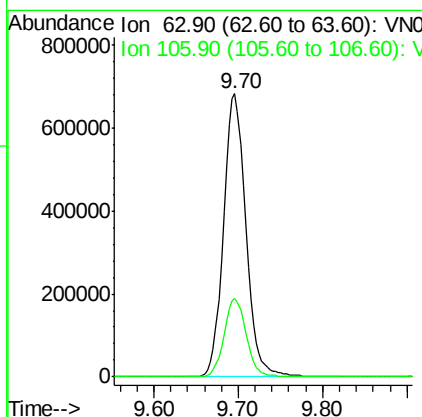
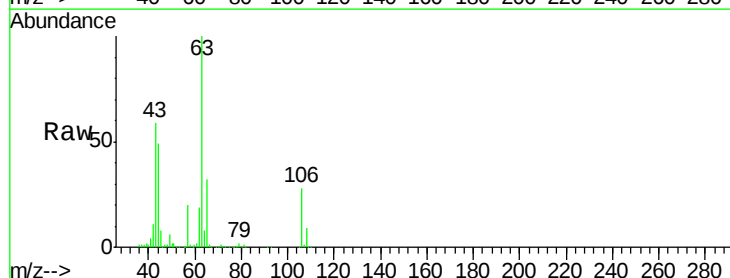
Instrument :
 MSVOA_N
 ClientSampled :

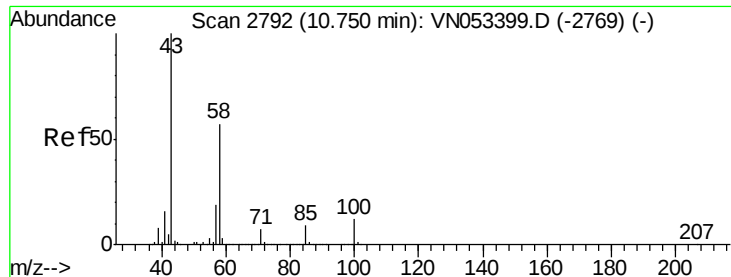
Tot Ion: 76 Resp: 586790
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.6 38.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 285.564 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN053556.D
 Acq: 28 Jan 2019 19:57

Tgt Ion: 63 Resp: 1258930
 Ion Ratio Lower Upper
 63 100
 106 27.5 21.5 32.3

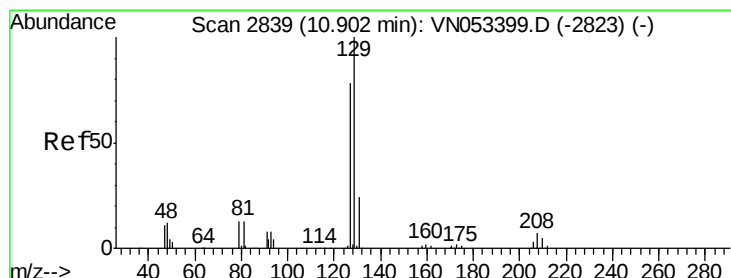
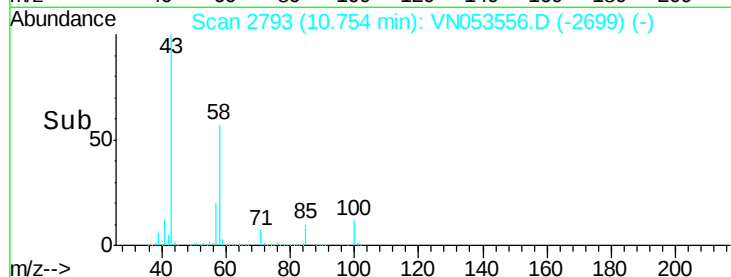
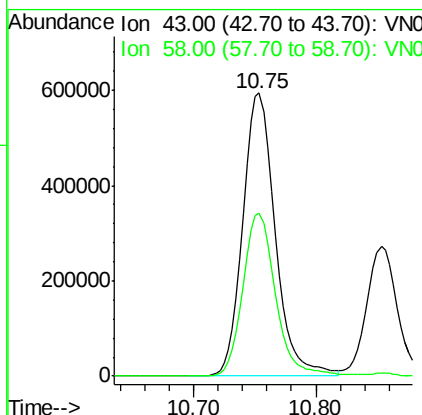
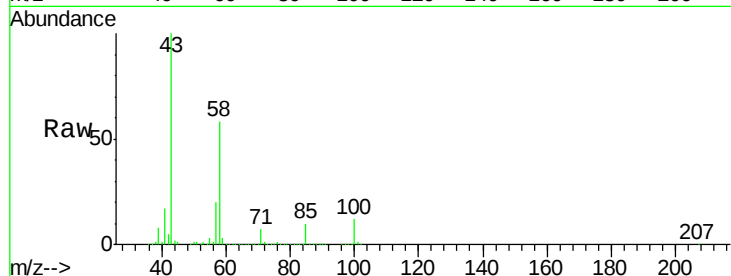




#59
2-Hexanone
Concen: 281.933 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN053556.D
Acq: 28 Jan 2019 19:57

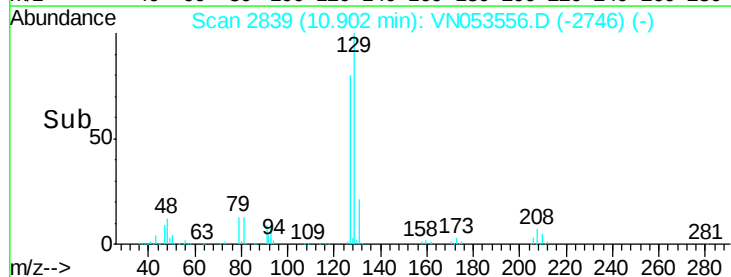
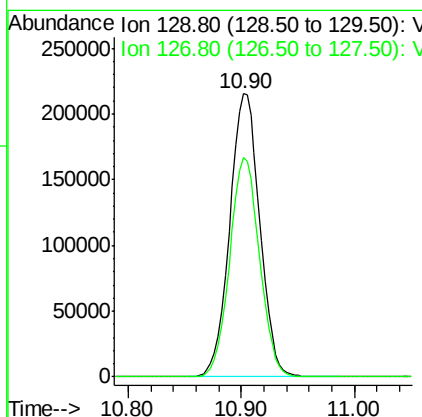
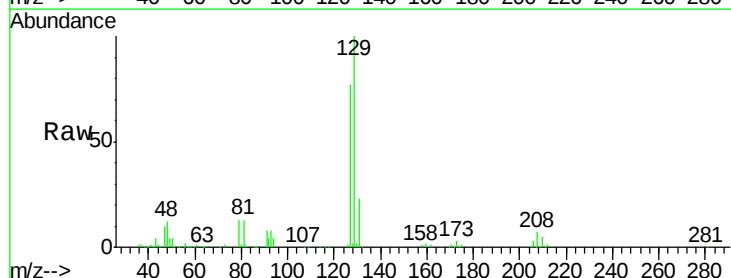
Instrument :
MSVOA_N
ClientSampleId :

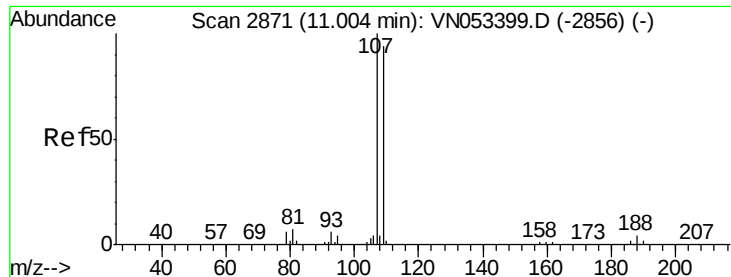
Tot Ion: 43 Resp: 1082882
Ion Ratio Lower Upper
43 100
58 58.0 28.6 85.8



#60
Dibromochloromethane
Concen: 55.641 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN053556.D
Acq: 28 Jan 2019 19:57

Tgt Ion: 129 Resp: 397693
Ion Ratio Lower Upper
129 100
127 76.9 38.6 115.8

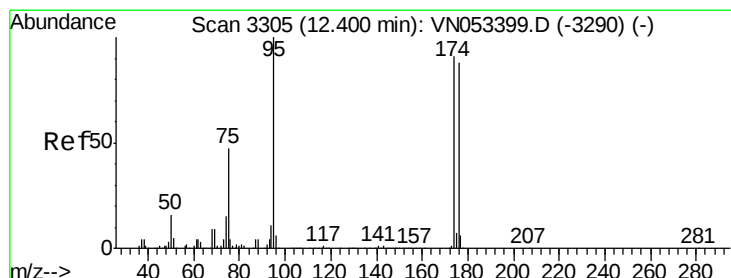
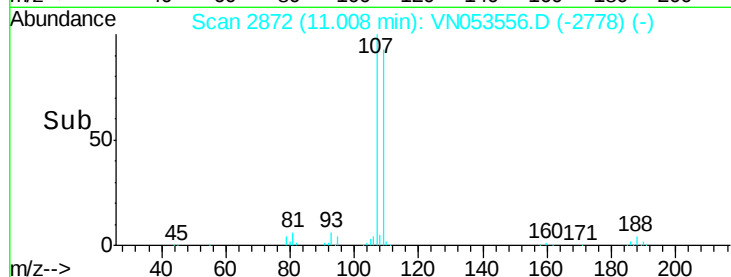
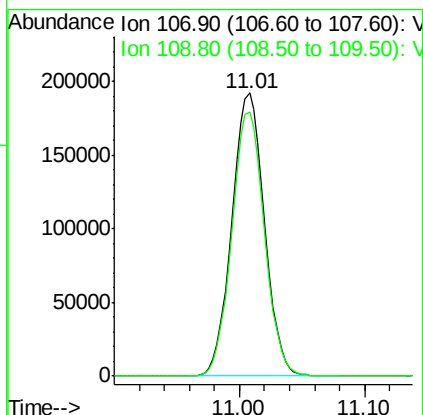
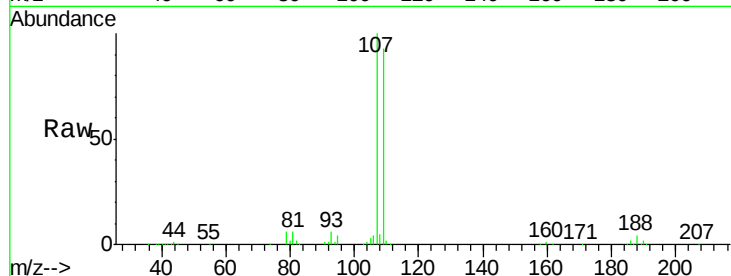




#61
 1,2-Dibromoethane
 Concen: 54.313 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN053556.D
 Acq: 28 Jan 2019 19:57

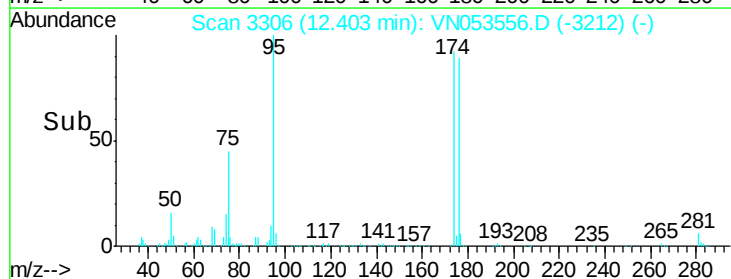
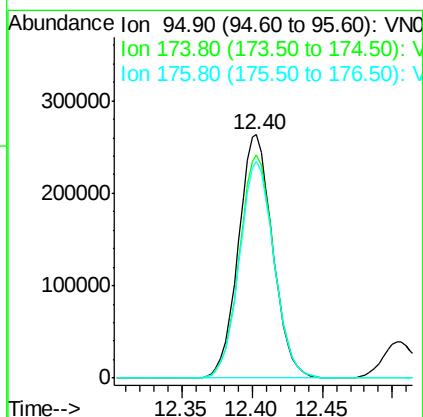
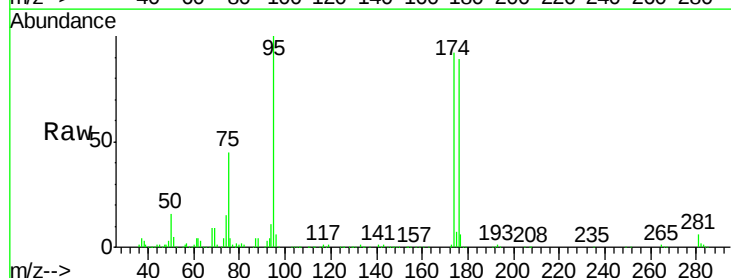
Instrument :
 MSVOA_N
 ClientSampleId :

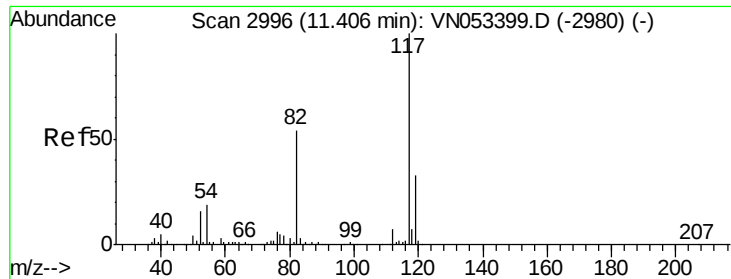
Tot Ion:107 Resp: 346148
 Ion Ratio Lower Upper
 107 100
 109 93.9 75.7 113.5



#62
 4-Bromofluorobenzene
 Concen: 54.313 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN053556.D
 Acq: 28 Jan 2019 19:57

Tgt Ion: 95 Resp: 448742
 Ion Ratio Lower Upper
 95 100
 174 92.6 0.0 183.2
 176 89.8 0.0 177.4

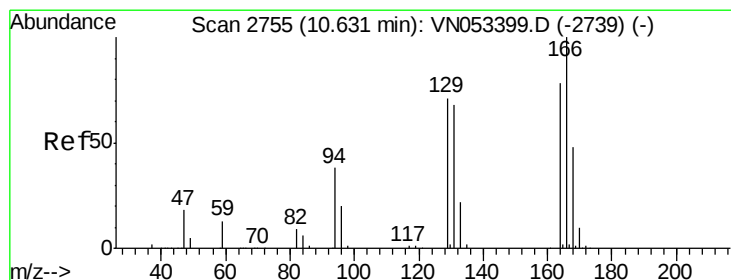
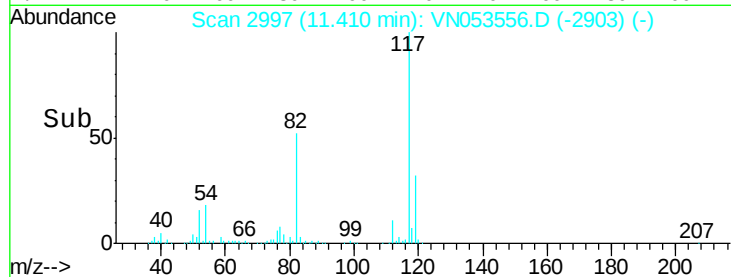
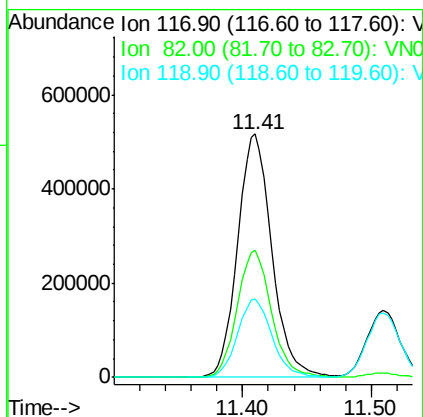
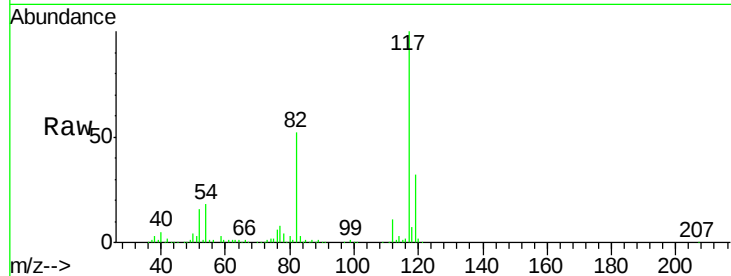




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN053556.D
Acq: 28 Jan 2019 19:57

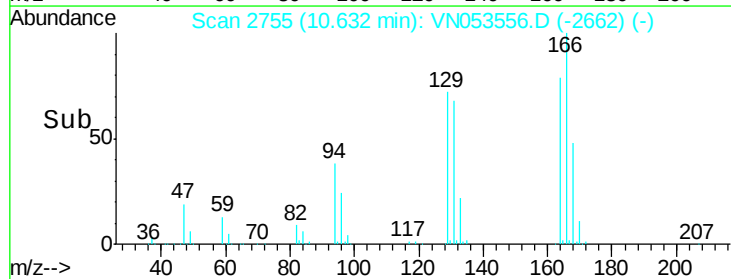
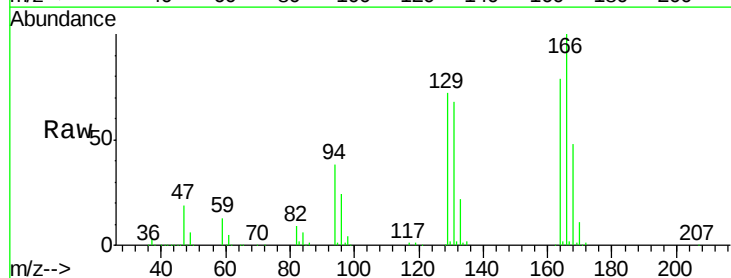
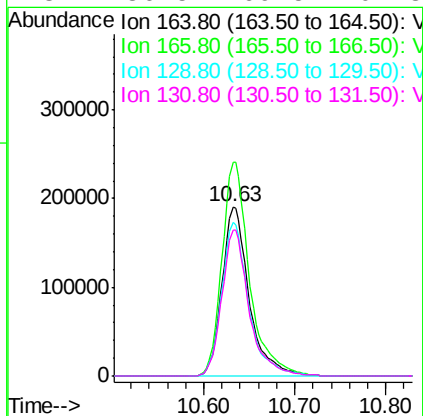
Instrument :
MSVOA_N
ClientSampleId :

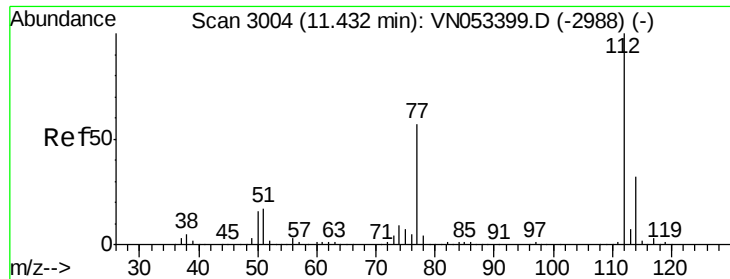
Tot Ion:117 Resp: 955391
Ion Ratio Lower Upper
117 100
82 52.1 42.9 64.3
119 32.0 26.0 39.0



#64
Tetrachloroethene
Concen: 43.900 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053556.D
Acq: 28 Jan 2019 19:57

Tgt Ion:164 Resp: 395253
Ion Ratio Lower Upper
164 100
166 126.4 102.2 153.4
129 90.6 72.6 109.0
131 86.5 69.5 104.3

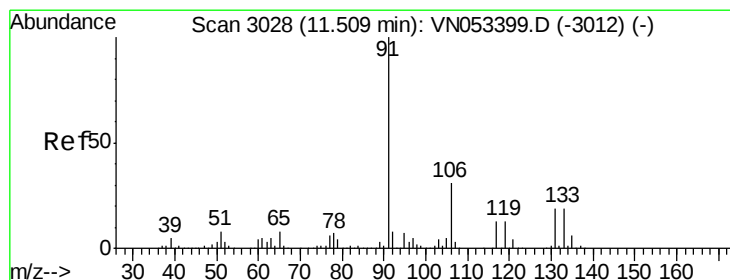
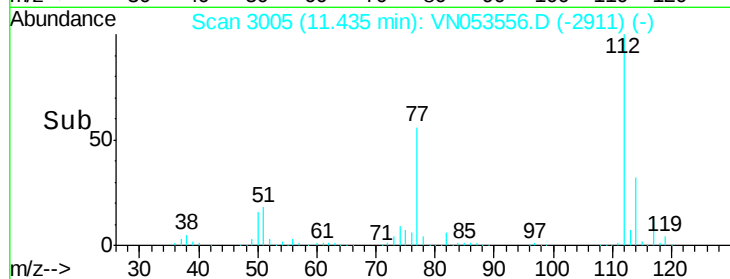
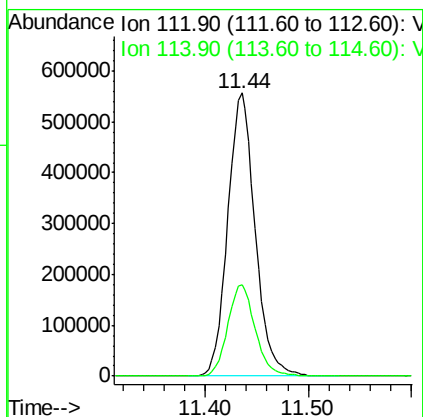
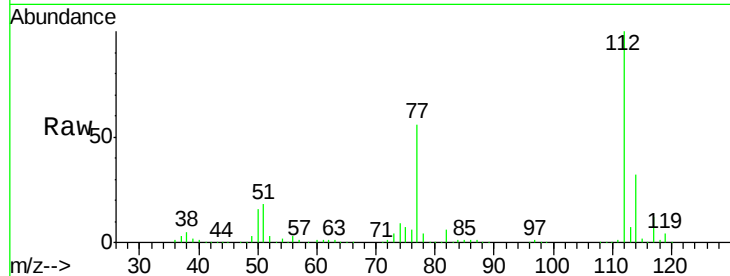




#65
Chlorobenzene
Concen: 50.926 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN053556.D
Acq: 28 Jan 2019 19:57

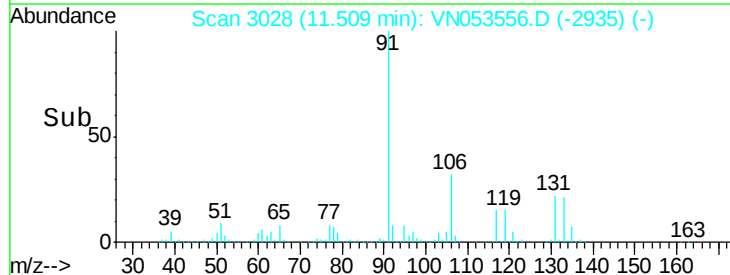
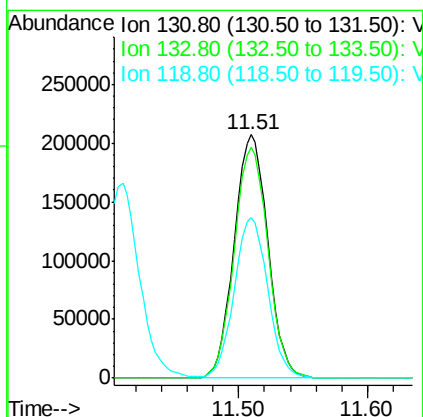
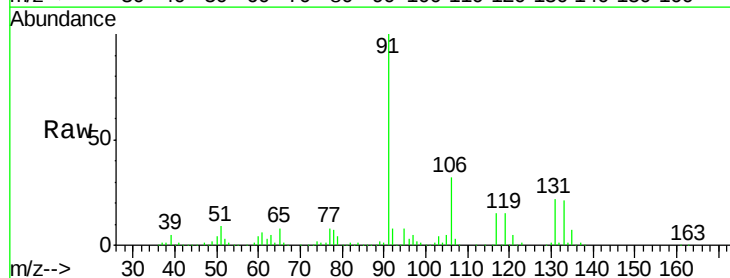
Instrument :
MSVOA_N
ClientSampled :

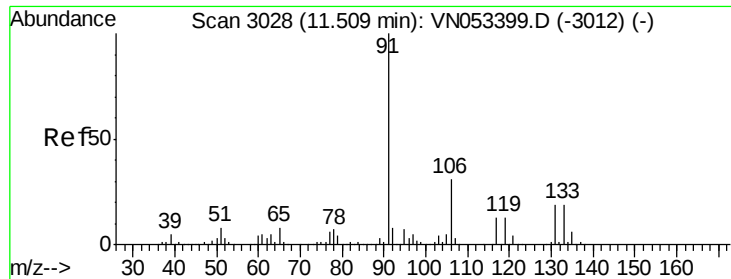
Tot Ion:112 Resp: 1029844
Ion Ratio Lower Upper
112 100
114 32.2 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 53.488 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN053556.D
Acq: 28 Jan 2019 19:57

Tgt Ion:131 Resp: 376294
Ion Ratio Lower Upper
131 100
133 95.2 48.0 144.0
119 65.6 33.5 100.5

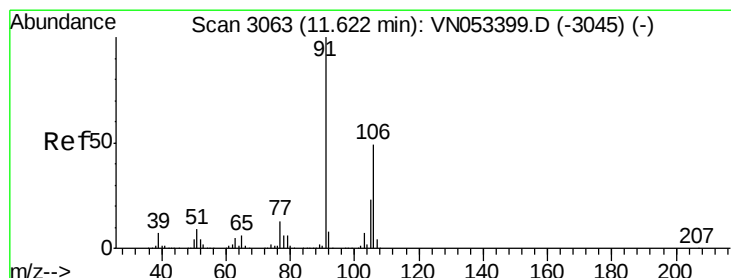
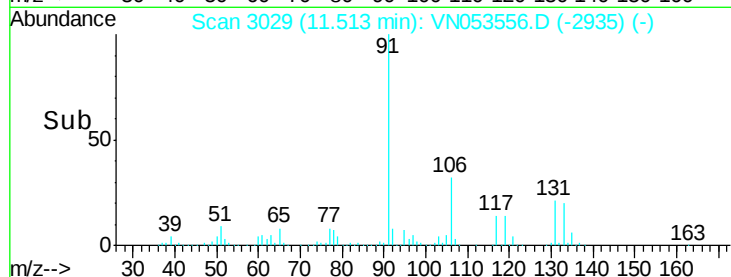
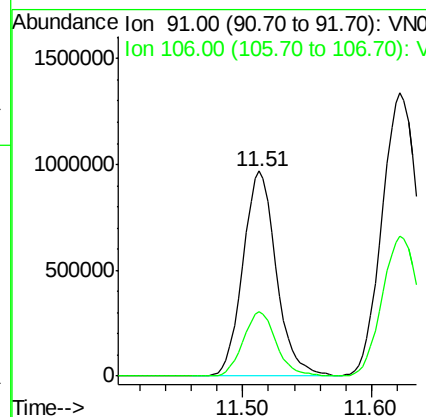
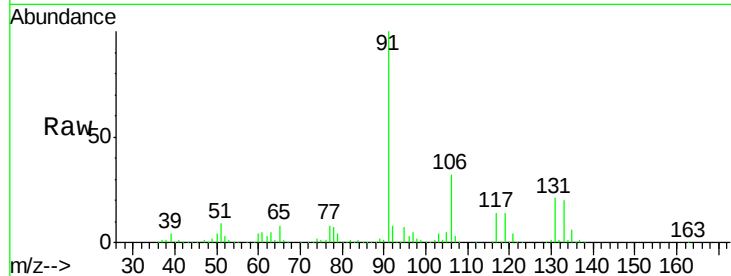




#67
Ethyl Benzene
Concen: 50.544 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN053556.D
Acq: 28 Jan 2019 19:57

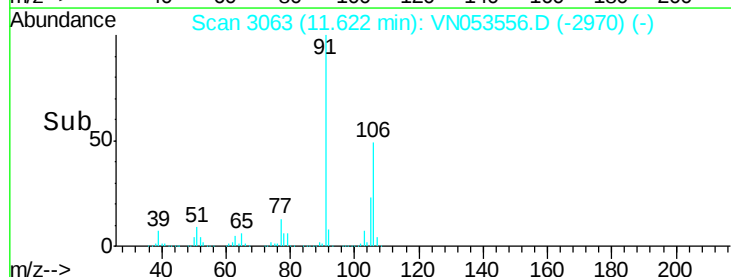
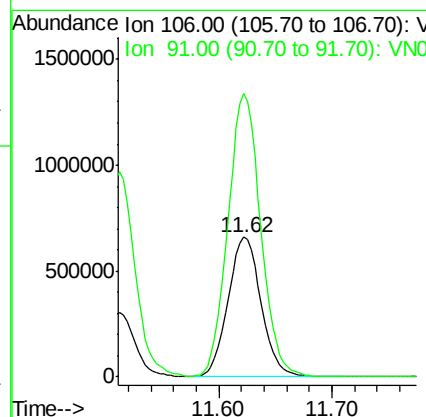
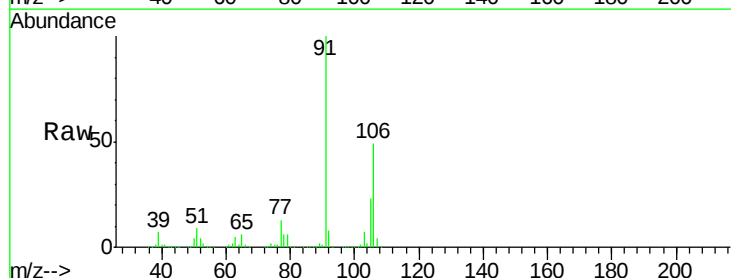
Instrument :
MSVOA_N
ClientSampled :

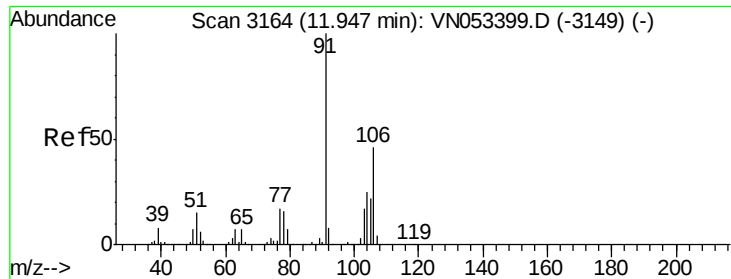
Tot Ion: 91 Resp: 1741934
Ion Ratio Lower Upper
91 100
106 31.6 25.0 37.6



#68
m/p-Xylenes
Concen: 102.889 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053556.D
Acq: 28 Jan 2019 19:57

Tgt Ion: 106 Resp: 1338806
Ion Ratio Lower Upper
106 100
91 201.1 161.4 242.2

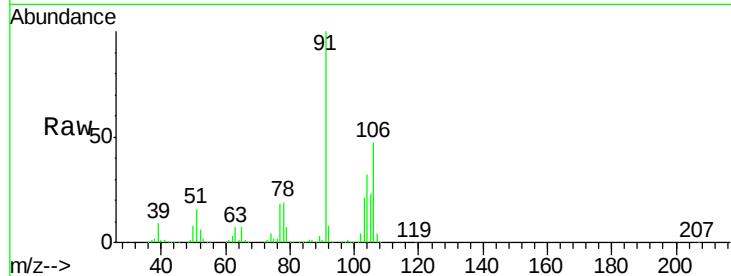




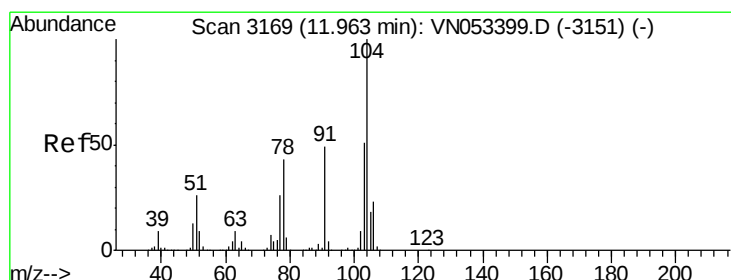
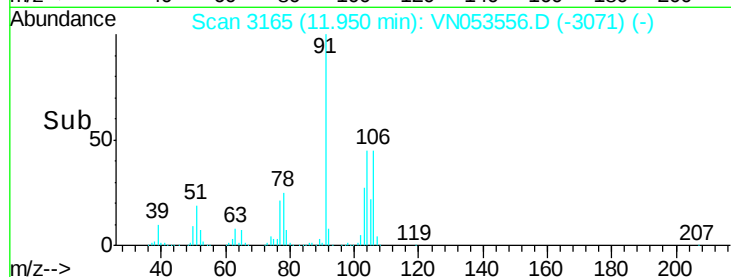
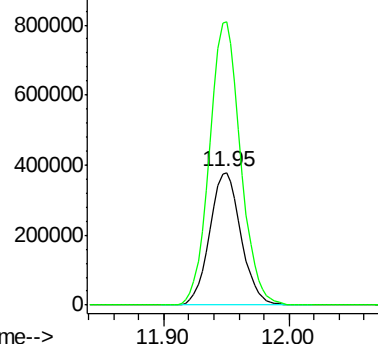
#69
o-Xylene
Concen: 51.890 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN053556.D
Acq: 28 Jan 2019 19:57

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:106 Resp: 656087
Ion Ratio Lower Upper
106 100
91 212.4 106.9 320.8

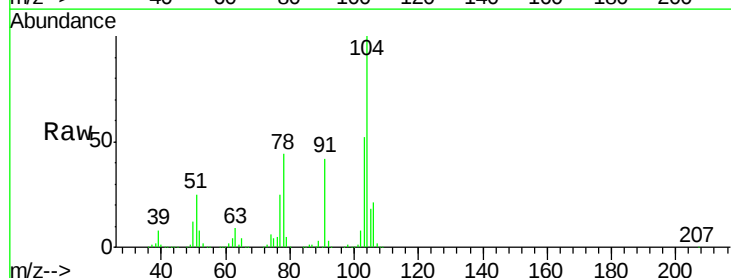


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0

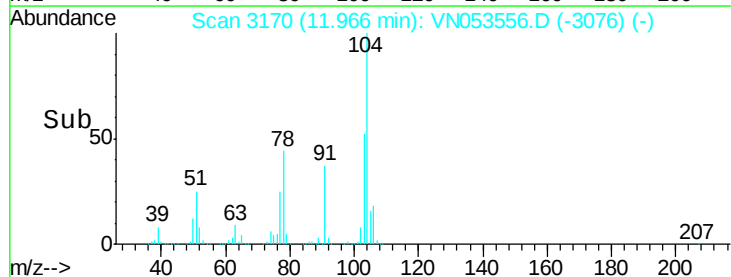
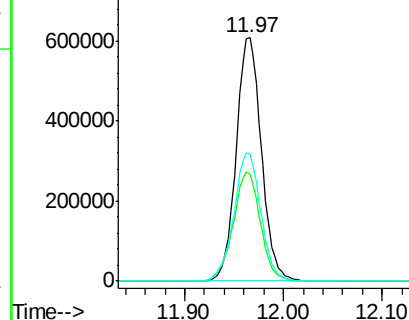


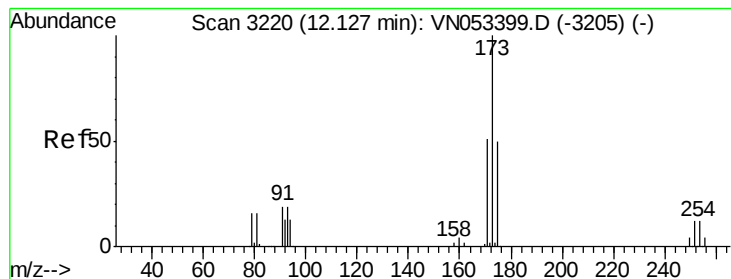
#70
Styrene
Concen: 52.737 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN053556.D
Acq: 28 Jan 2019 19:57

Tgt Ion:104 Resp: 1082194
Ion Ratio Lower Upper
104 100
78 48.3 38.2 57.2
103 56.3 44.4 66.6



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 57.825 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN053556.D

Acq: 28 Jan 2019 19:57

Instrument :

MSVOA_N

ClientSampled :

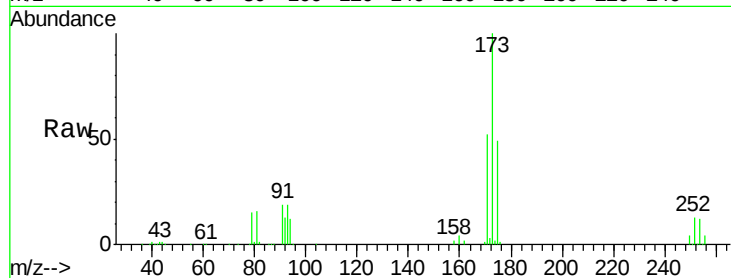
Tot Ion:173 Resp: 280061

Ion Ratio Lower Upper

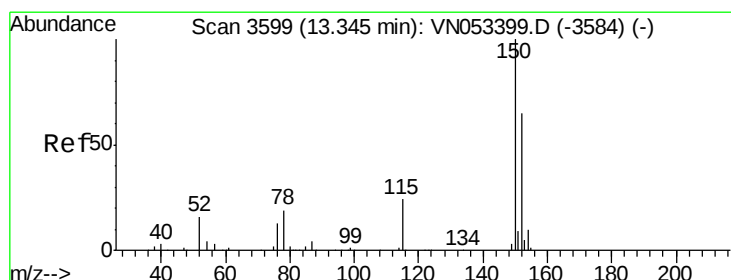
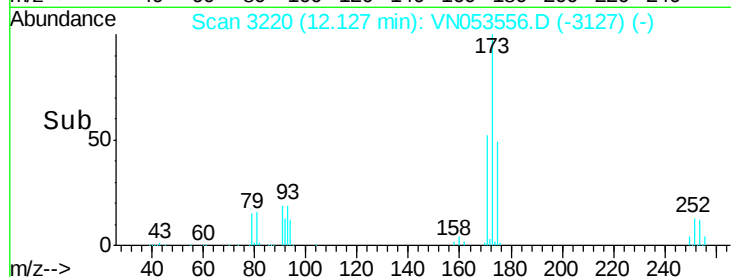
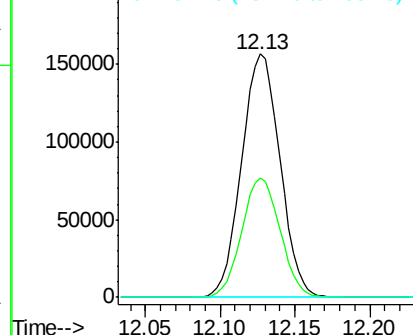
173 100

175 48.9 24.6 74.0

254 0.1 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: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN053556.D

Acq: 28 Jan 2019 19:57

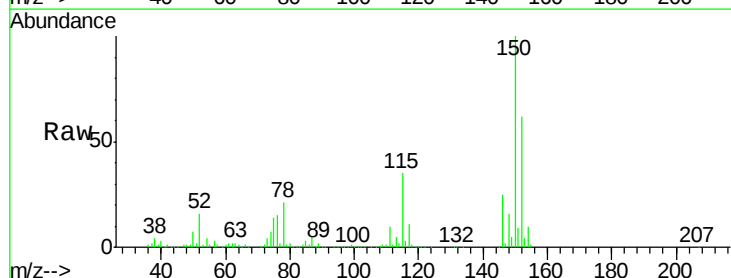
Tgt Ion:152 Resp: 470578

Ion Ratio Lower Upper

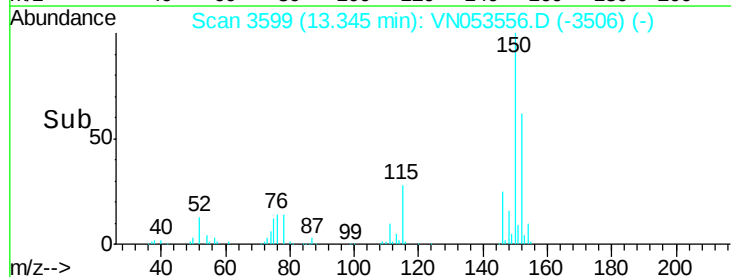
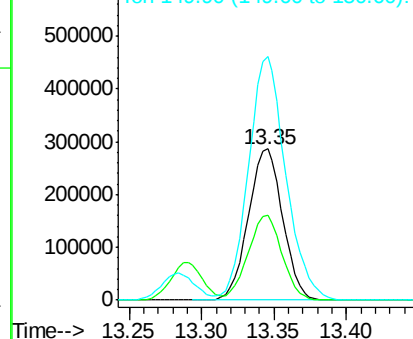
152 100

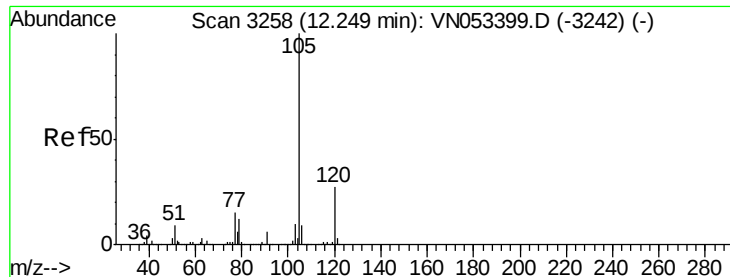
115 55.7 27.8 83.4

150 174.8 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: 49.592 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053556.D

Acq: 28 Jan 2019 19:57

Instrument :

MSVOA_N

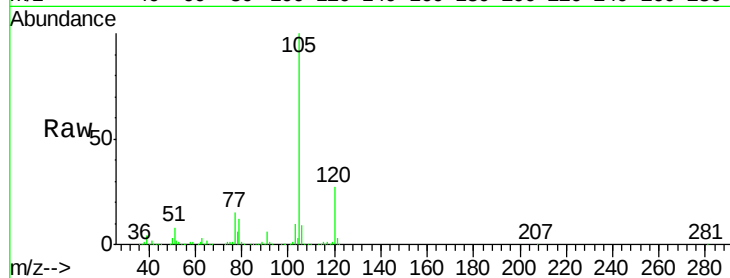
ClientSampled :

Tot Ion:105 Resp: 1708990

Ion Ratio Lower Upper

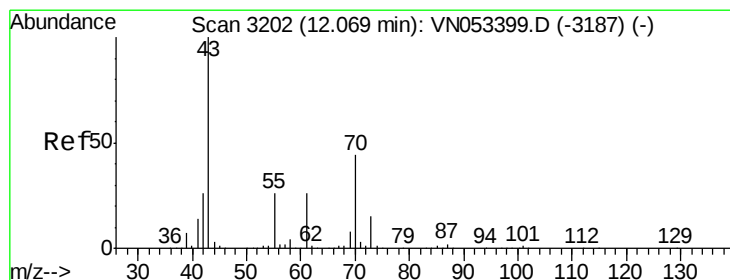
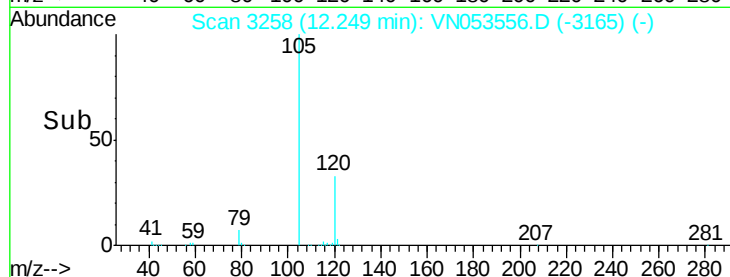
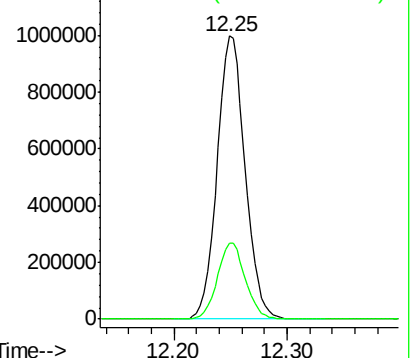
105 100

120 26.9 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 52.798 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN053556.D

Acq: 28 Jan 2019 19:57

Tgt Ion: 43 Resp: 485031

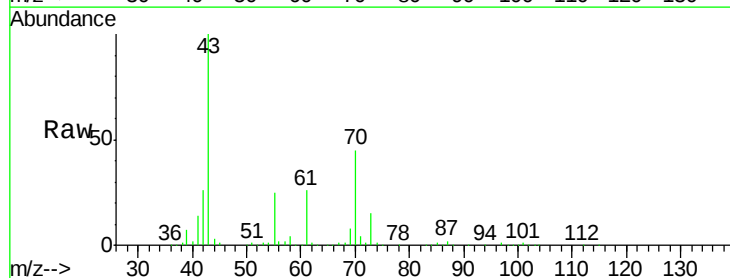
Ion Ratio Lower Upper

43 100

70 45.6 35.4 53.2

55 25.7 20.9 31.3

61 26.2 20.5 30.7

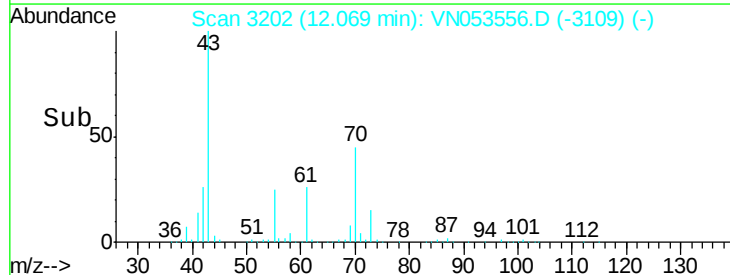
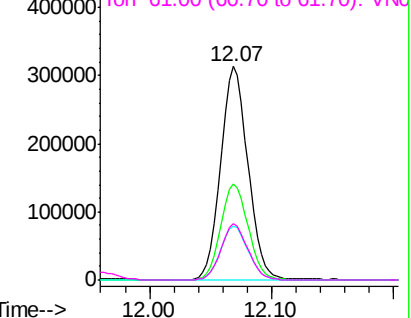


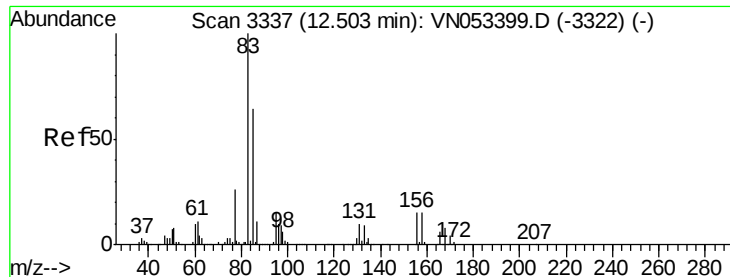
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 60.721 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN053556.D

Acq: 28 Jan 2019 19:57

Instrument :

MSVOA_N

ClientSampleId :

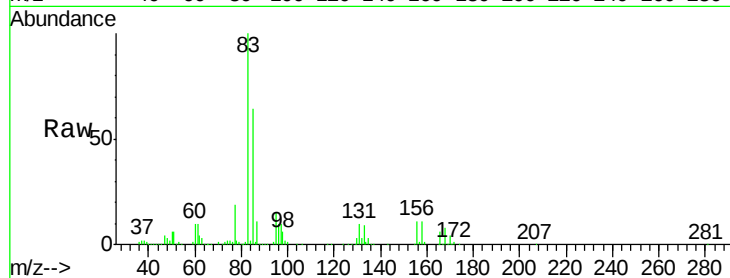
Tot Ion: 83 Resp: 438850

Ion	Ratio	Lower	Upper
83	100		
131	10.4	5.3	15.8
85	64.4	32.1	96.3

83 100

131 10.4 5.3 15.8

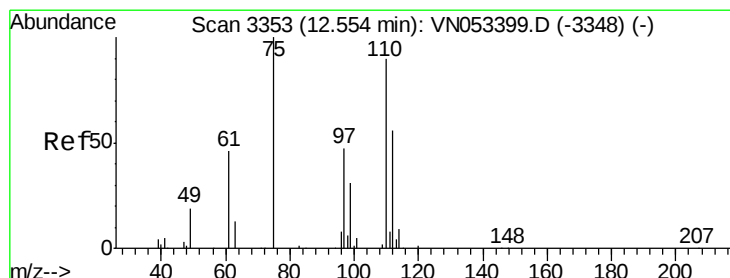
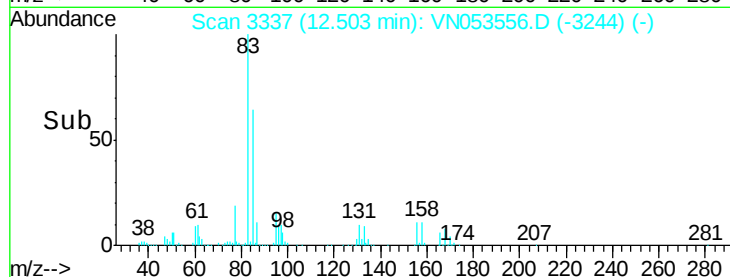
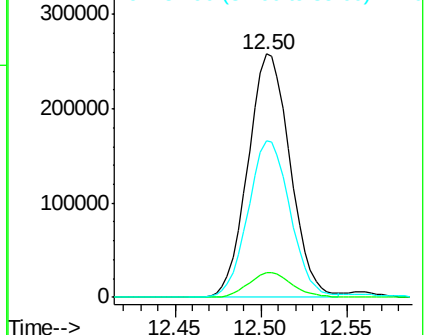
85 64.4 32.1 96.3



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 87.364 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN053556.D

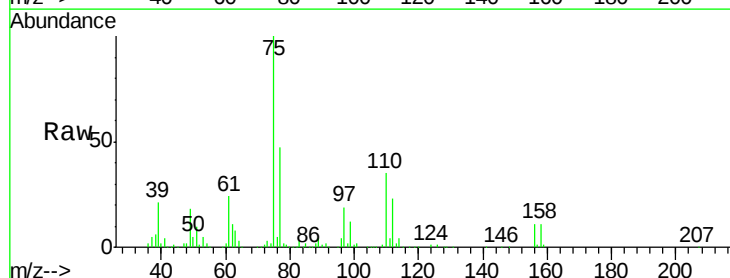
Acq: 28 Jan 2019 19:57

Tgt Ion: 75 Resp: 541772

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

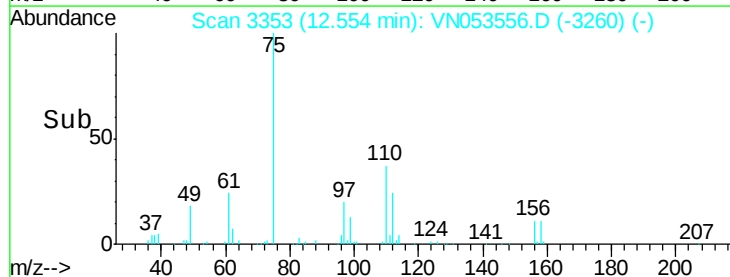
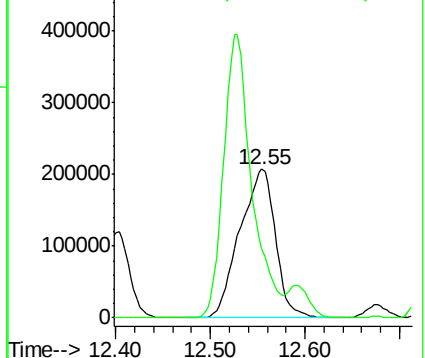
75 100

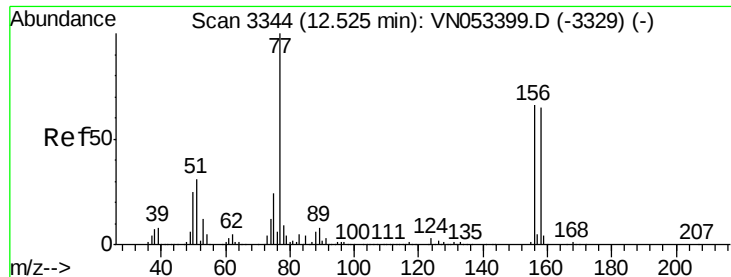
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 50.728 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053556.D

Acq: 28 Jan 2019 19:57

Instrument :

MSVOA_N

ClientSampled :

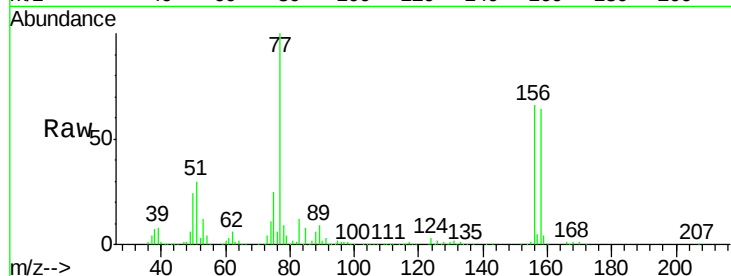
Tot Ion:156 Resp: 460632

Ion Ratio Lower Upper

156 100

77 178.0 87.9 263.8

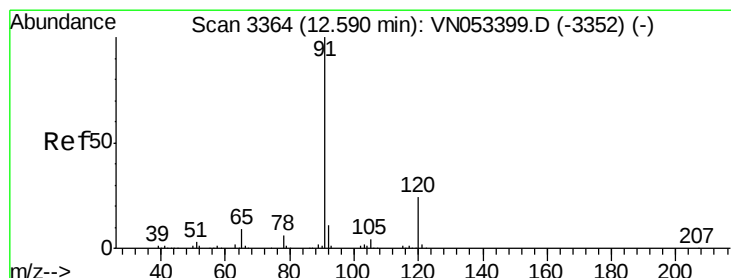
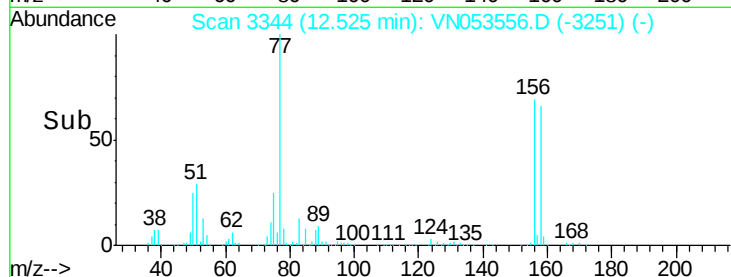
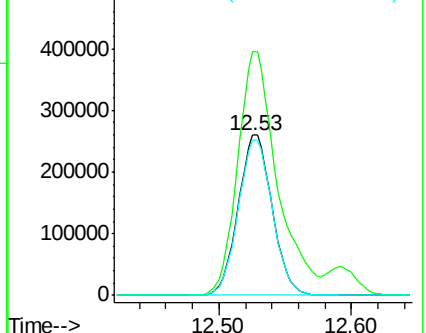
158 97.9 48.8 146.4



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: 50.144 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN053556.D

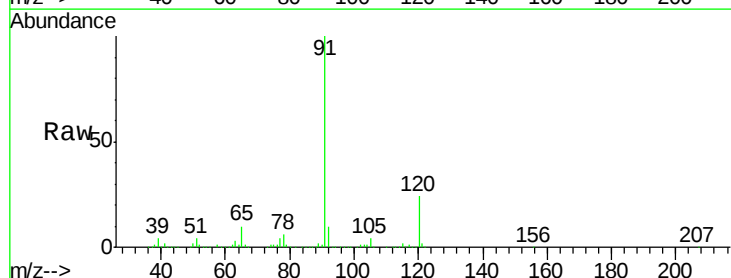
Acq: 28 Jan 2019 19:57

Tgt Ion: 91 Resp: 1983545

Ion Ratio Lower Upper

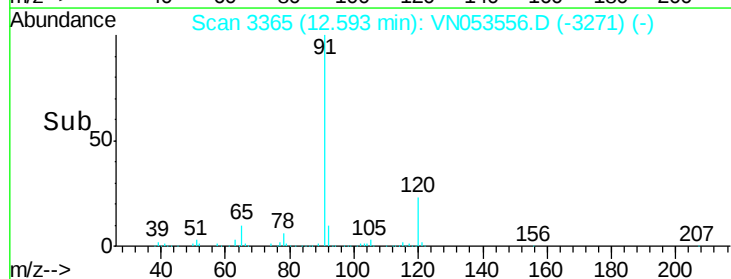
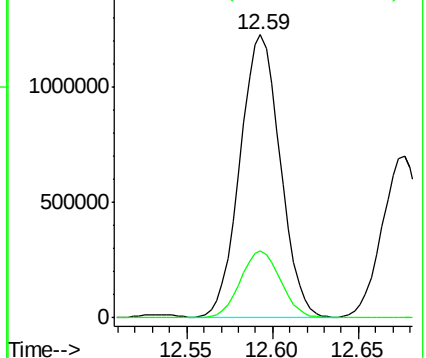
91 100

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: 50.011 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN053556.D

Acq: 28 Jan 2019 19:57

Instrument :

MSVOA_N

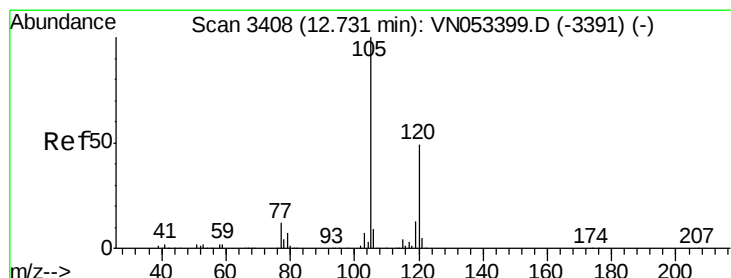
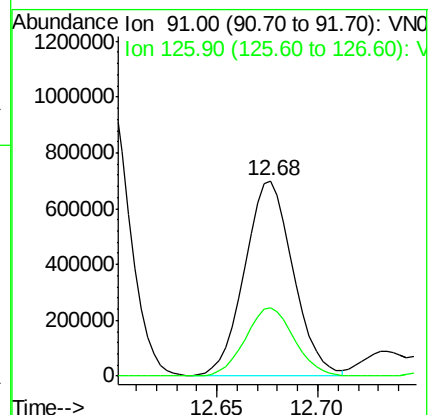
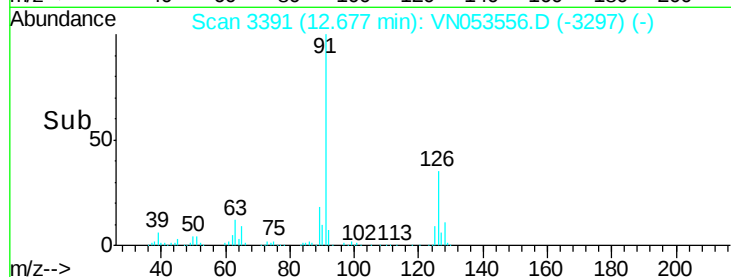
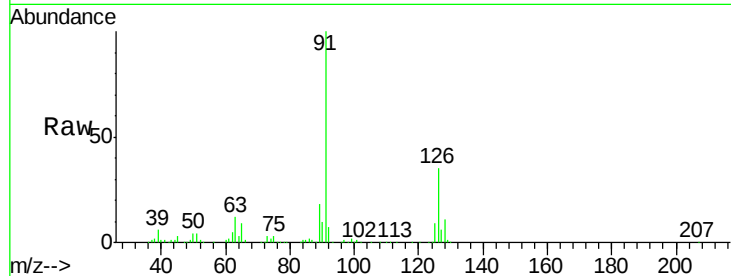
ClientSampleId :

Tot Ion: 91 Resp: 1172616

Ion Ratio Lower Upper

91 100

126 35.6 17.9 53.7



#80

1,3,5-Trimethylbenzene

Concen: 51.541 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053556.D

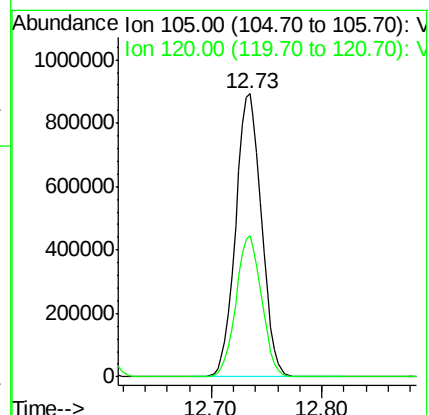
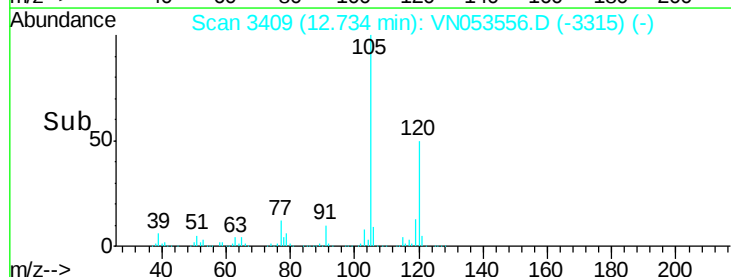
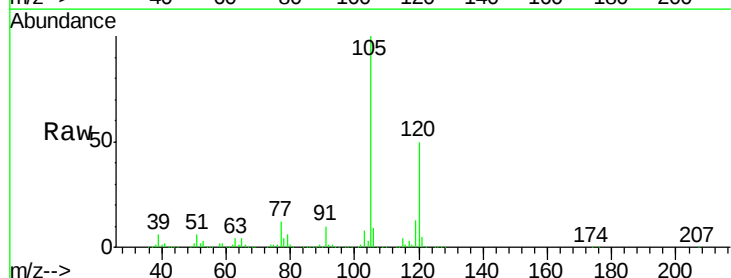
Acq: 28 Jan 2019 19:57

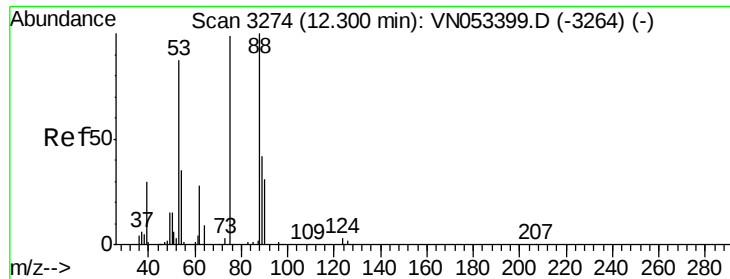
Tgt Ion: 105 Resp: 1445120

Ion Ratio Lower Upper

105 100

120 49.4 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 50.884 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN053556.D

Acq: 28 Jan 2019 19:57

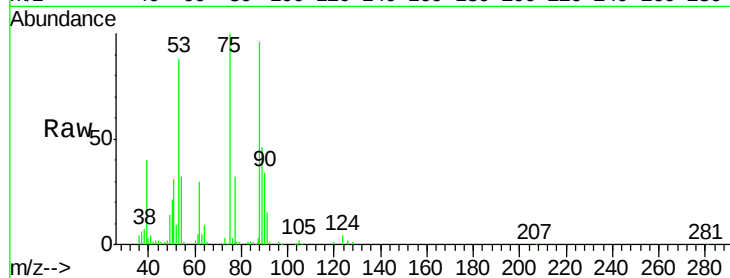
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 75 Resp: 124800

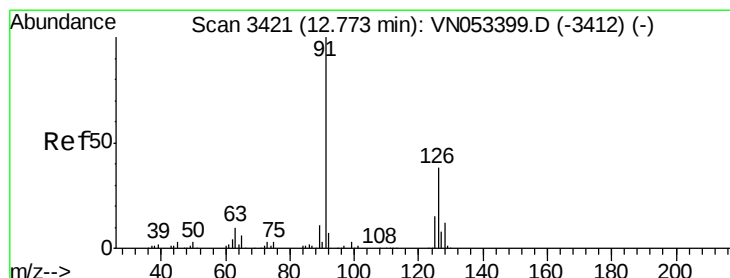
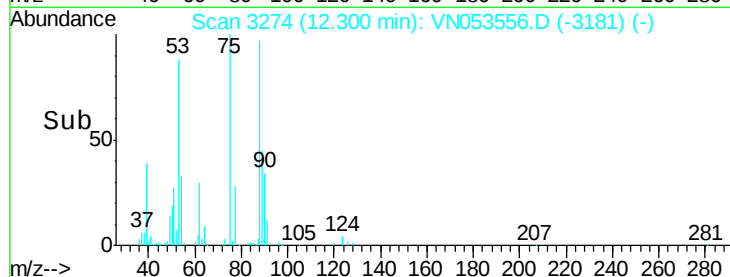
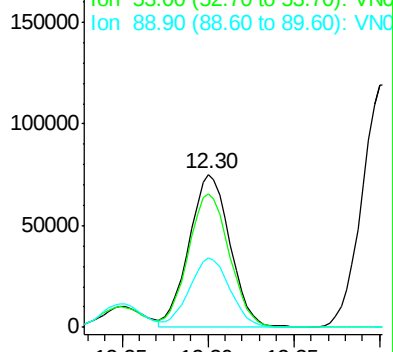
Ion	Ratio	Lower	Upper
75	100		
53	88.3	69.8	104.6
89	45.5	35.6	53.4



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: 50.101 ug/l

RT: 12.77 min Scan# 3421

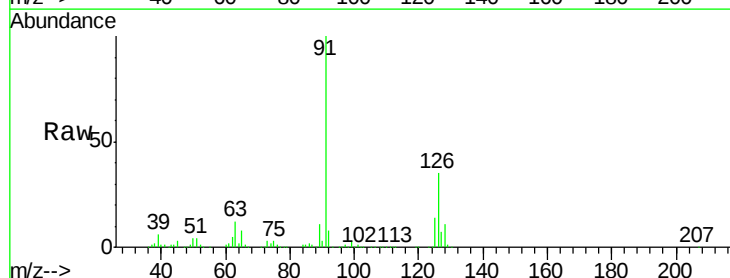
Delta R.T. 0.00 min

Lab File: VN053556.D

Acq: 28 Jan 2019 19:57

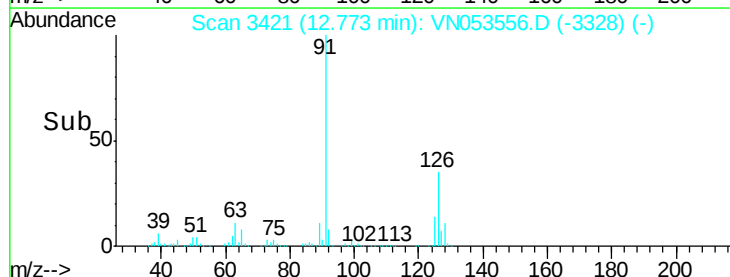
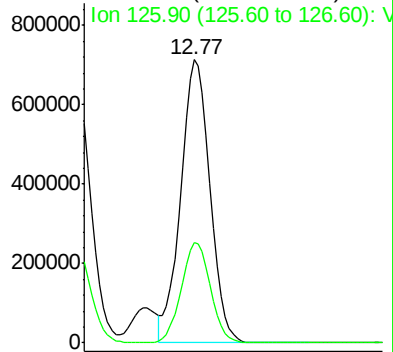
Tgt Ion: 91 Resp: 1197950

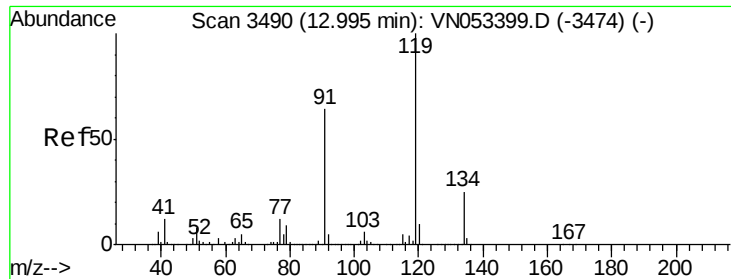
Ion	Ratio	Lower	Upper
91	100		
126	35.4	17.6	52.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

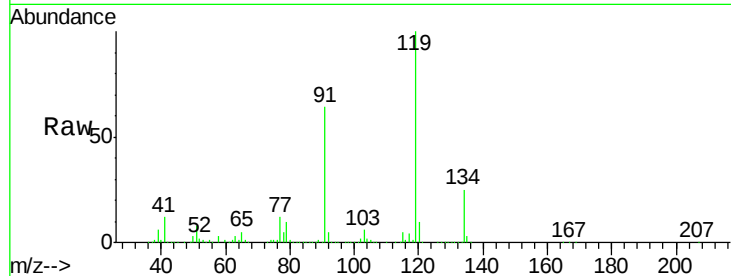




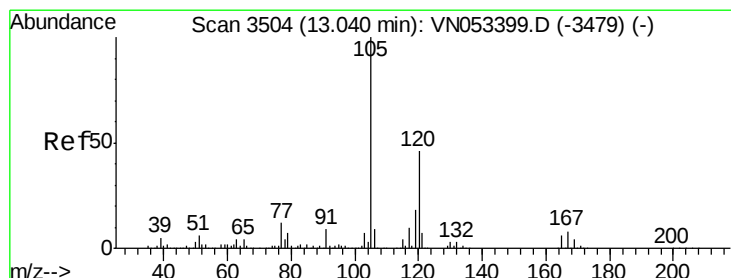
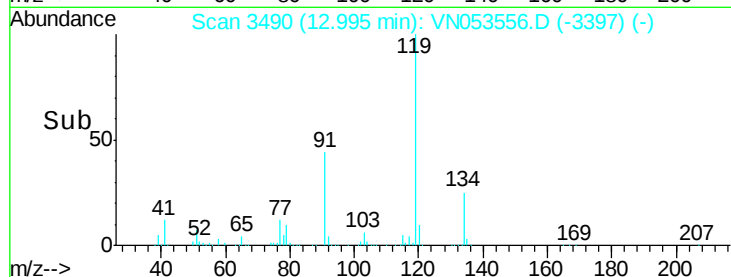
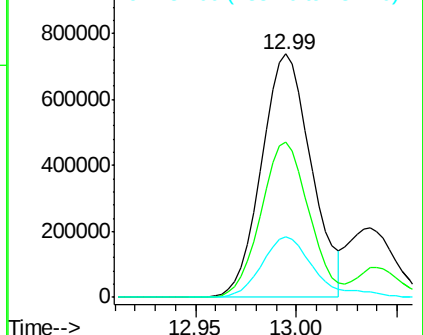
#83
tert-Butylbenzene
Concen: 51.123 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN053556.D
Acq: 28 Jan 2019 19:57

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:119 Resp: 1266015
Ion Ratio Lower Upper
119 100
91 61.8 31.3 93.8
134 26.4 12.9 38.7

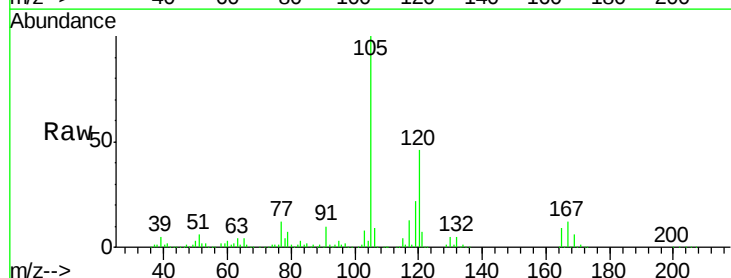


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

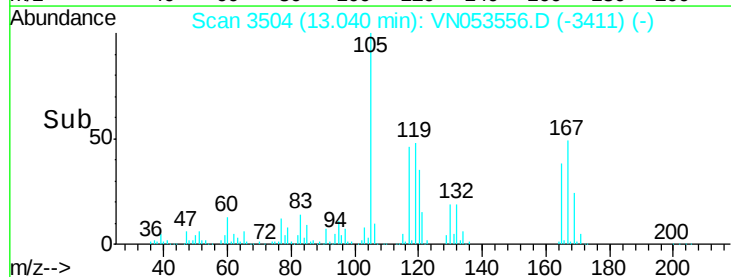
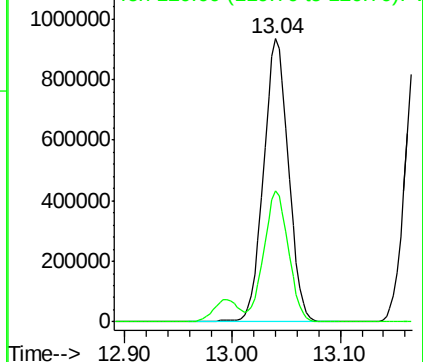


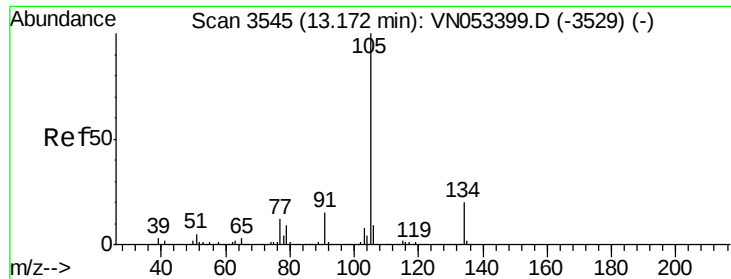
#84
1,2,4-Trimethylbenzene
Concen: 52.705 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN053556.D
Acq: 28 Jan 2019 19:57

Tgt Ion:105 Resp: 1490029
Ion Ratio Lower Upper
105 100
120 46.0 23.0 69.0



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 51.005 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053556.D

Acq: 28 Jan 2019 19:57

Instrument :

MSVOA_N

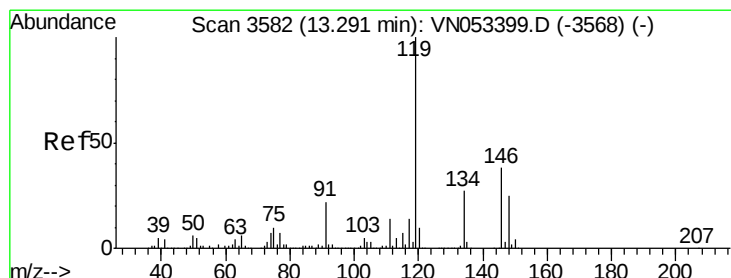
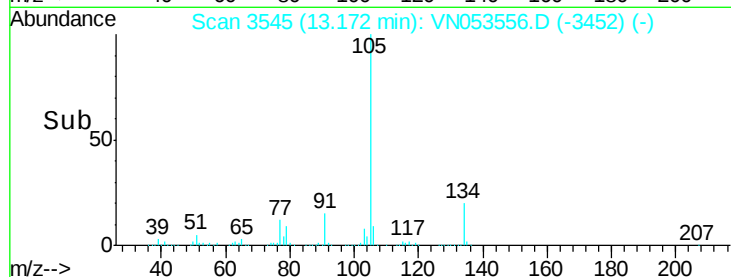
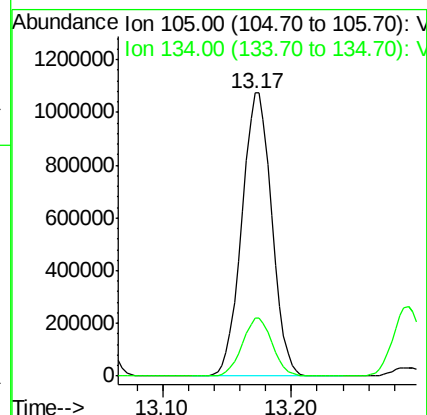
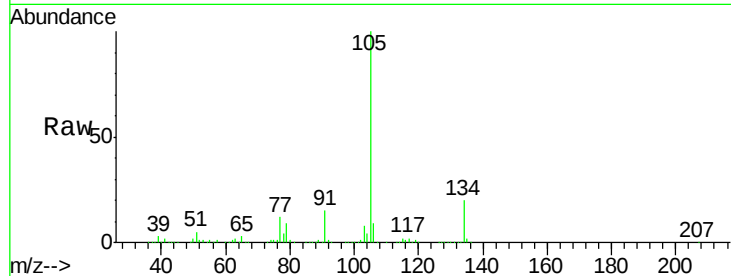
ClientSampled :

Tot Ion:105 Resp: 1732240

Ion Ratio Lower Upper

105 100

134 20.5 10.2 30.6



#86

p-Isopropyltoluene

Concen: 51.800 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053556.D

Acq: 28 Jan 2019 19:57

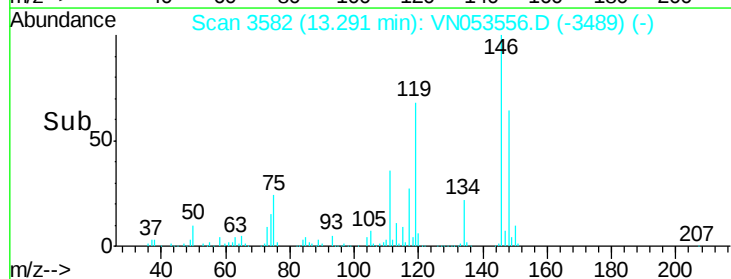
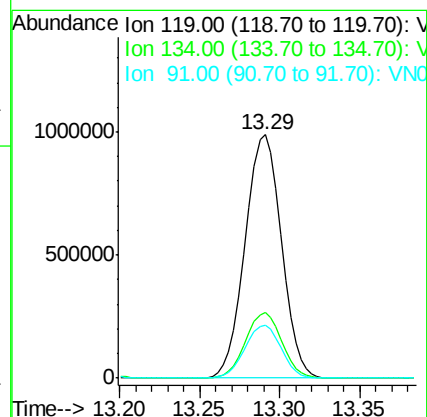
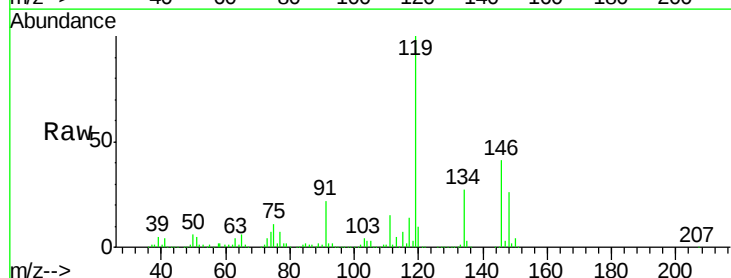
Tgt Ion:119 Resp: 1527532

Ion Ratio Lower Upper

119 100

134 26.7 13.5 40.4

91 21.6 11.0 33.0

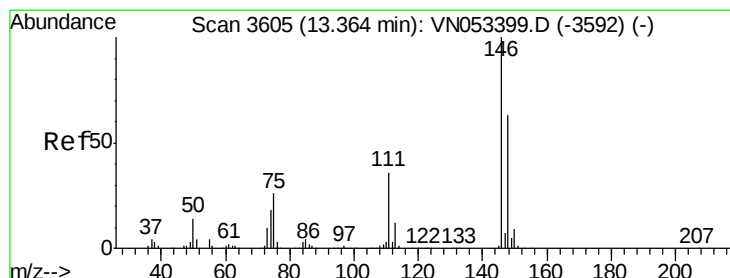
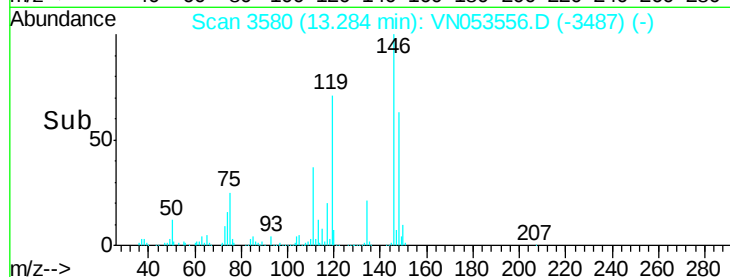
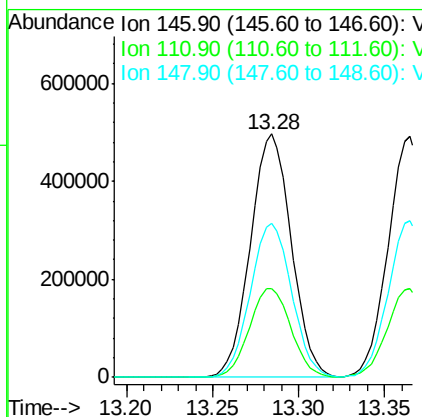
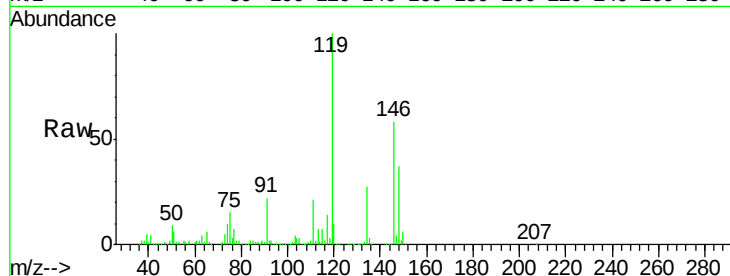




#87
 1,3-Dichlorobenzene
 Concen: 51.305 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN053556.D
 Acq: 28 Jan 2019 19:57

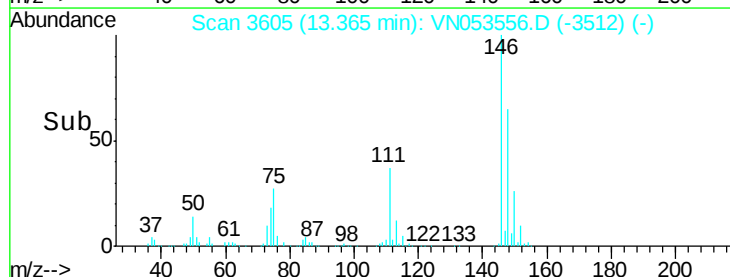
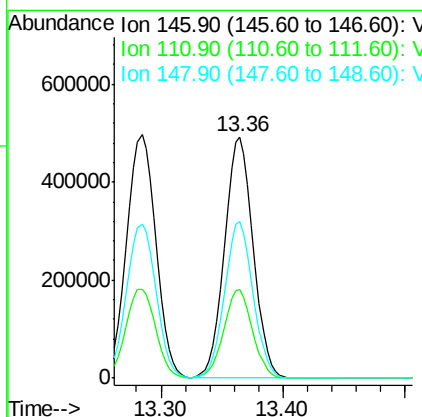
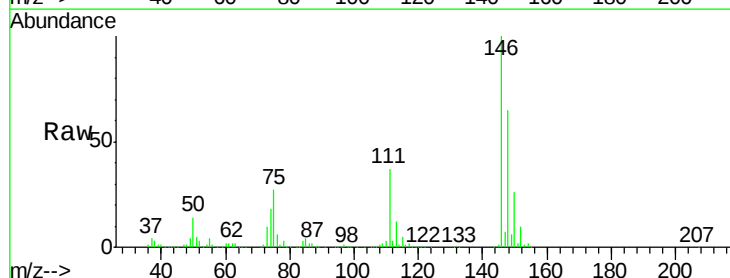
Instrument :
 MSVOA_N
 ClientSampleId :

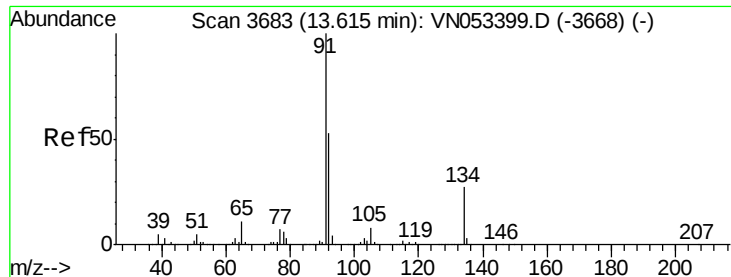
Tot Ion:146 Resp: 819490
 Ion Ratio Lower Upper
 146 100
 111 37.1 18.8 56.3
 148 63.9 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 50.392 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN053556.D
 Acq: 28 Jan 2019 19:57

Tgt Ion:146 Resp: 807392
 Ion Ratio Lower Upper
 146 100
 111 36.8 18.6 55.8
 148 64.7 32.4 97.0





#89

n-Butylbenzene

Concen: 52.026 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN053556.D

Acq: 28 Jan 2019 19:57

Instrument :

MSVOA_N

ClientSampled :

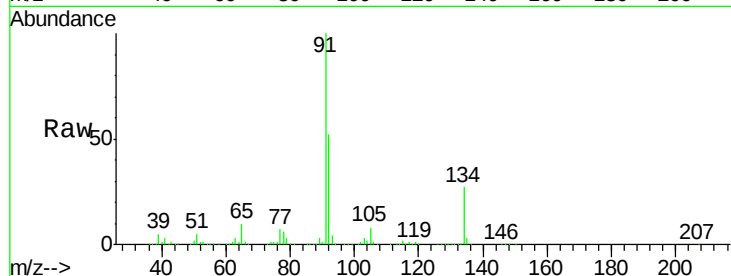
Tot Ion: 91 Resp: 1307754

Ion Ratio Lower Upper

91 100

92 52.2 26.3 78.8

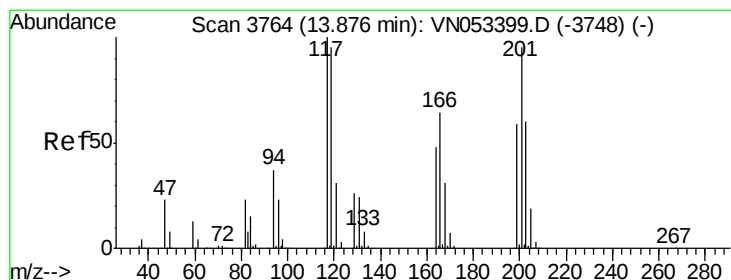
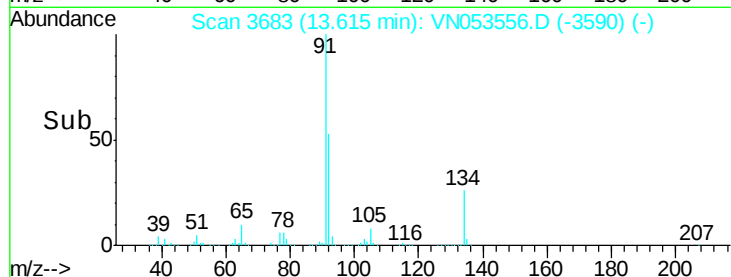
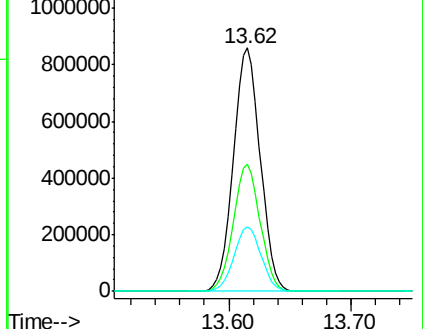
134 26.8 13.5 40.5



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) (-)



#90

Hexachloroethane

Concen: 52.074 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN053556.D

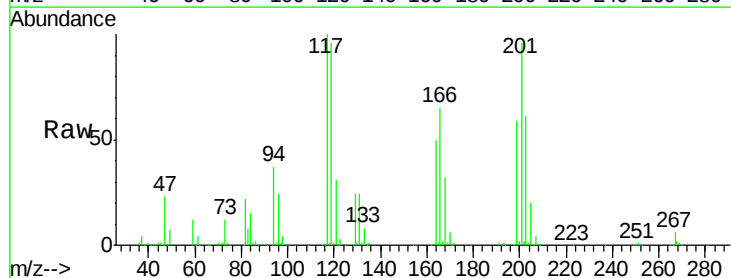
Acq: 28 Jan 2019 19:57

Tgt Ion: 117 Resp: 240835

Ion Ratio Lower Upper

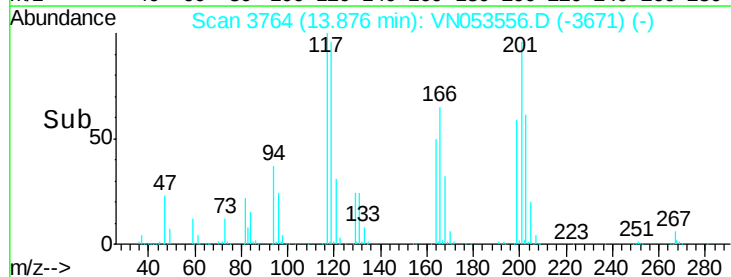
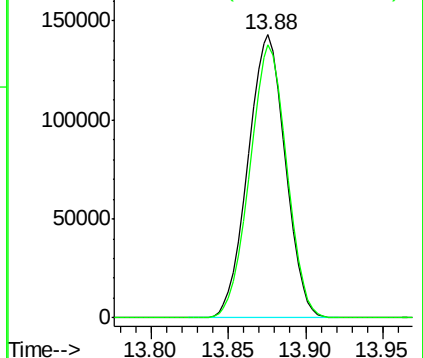
117 100

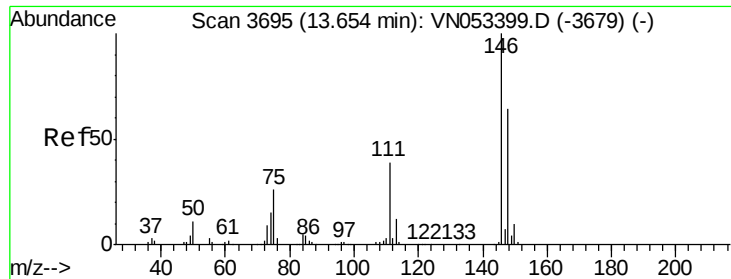
201 95.2 46.8 140.4



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

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





#91

1,2-Dichlorobenzene

Concen: 54.698 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN053556.D

Acq: 28 Jan 2019 19:57

Instrument :

MSVOA_N

ClientSampled :

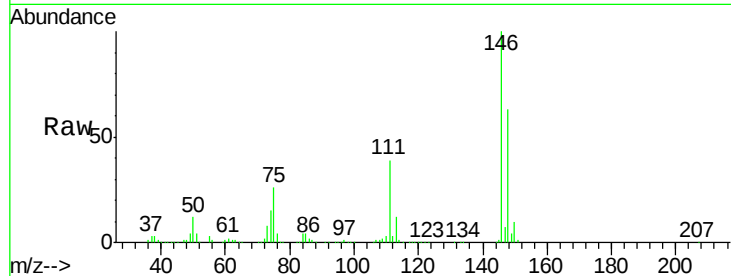
Tot Ion:146 Resp: 803786

Ion Ratio Lower Upper

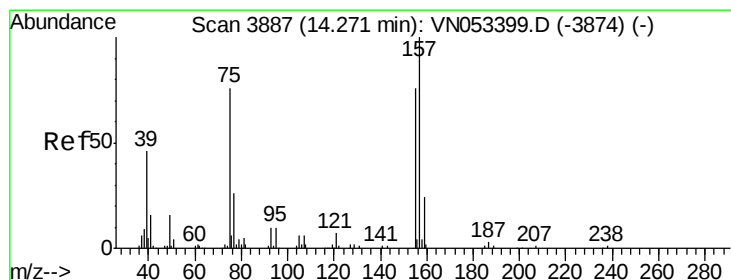
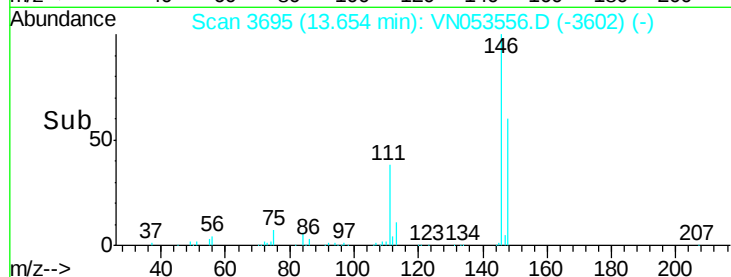
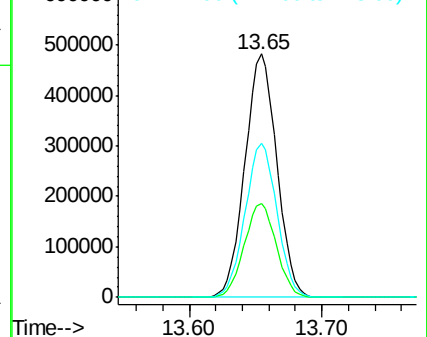
146 100

111 38.7 19.5 58.5

148 63.4 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: 70.690 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

Lab File: VN053556.D

Acq: 28 Jan 2019 19:57

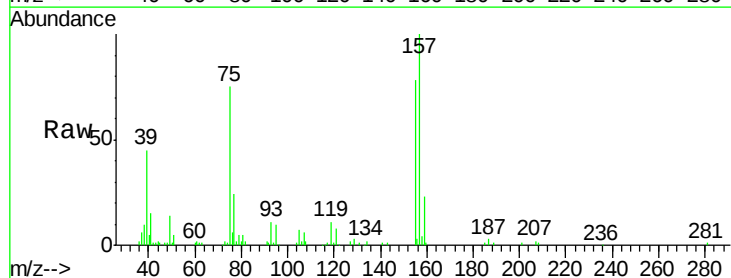
Tgt Ion: 75 Resp: 64781

Ion Ratio Lower Upper

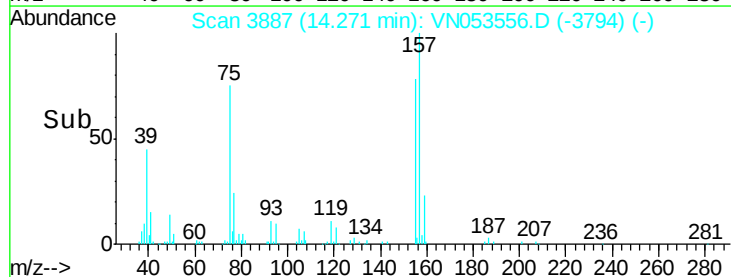
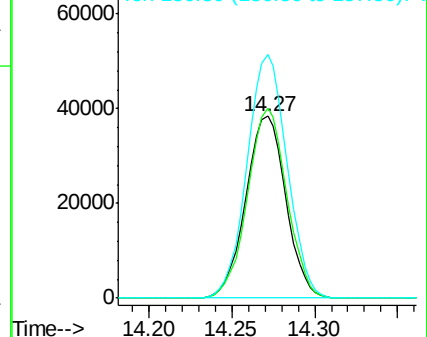
75 100

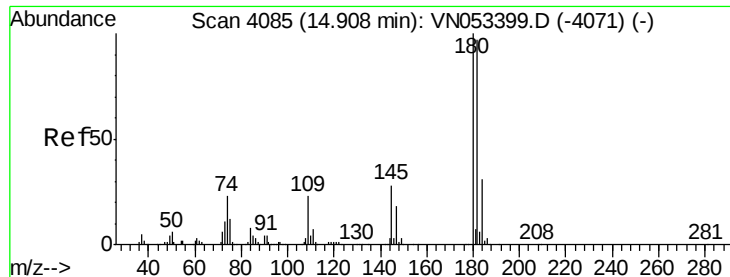
155 101.8 48.9 146.7

157 133.4 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

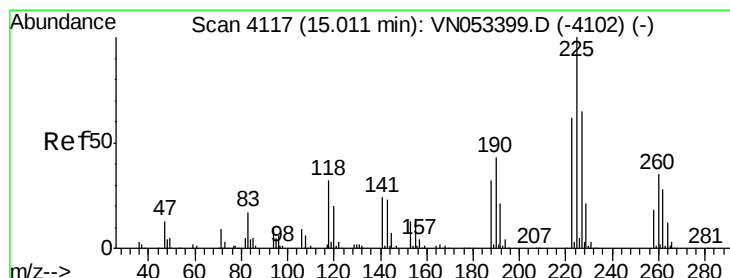
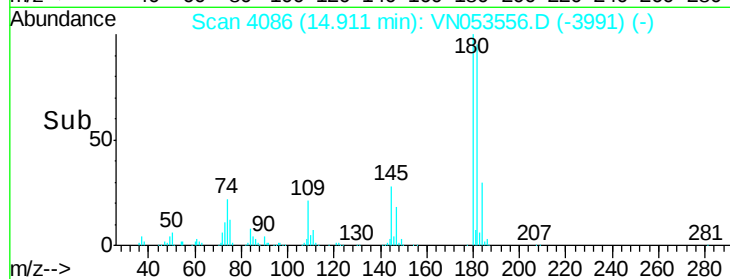
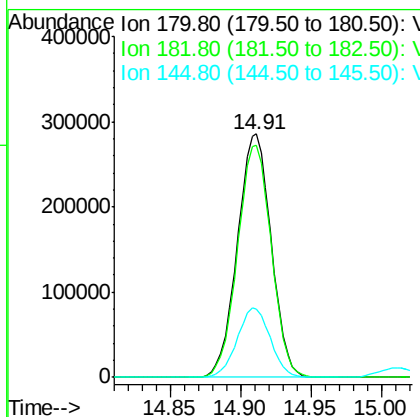
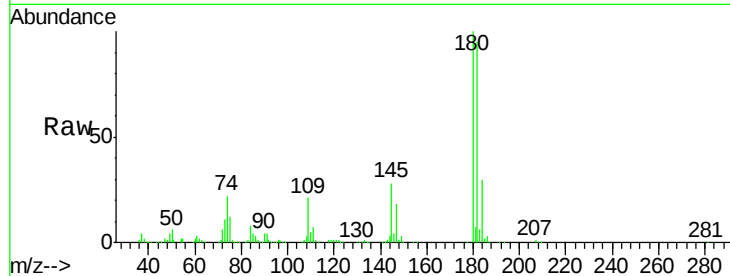




#93
 1,2,4-Trichlorobenzene
 Concen: 72.587 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN053556.D
 Acq: 28 Jan 2019 19:57

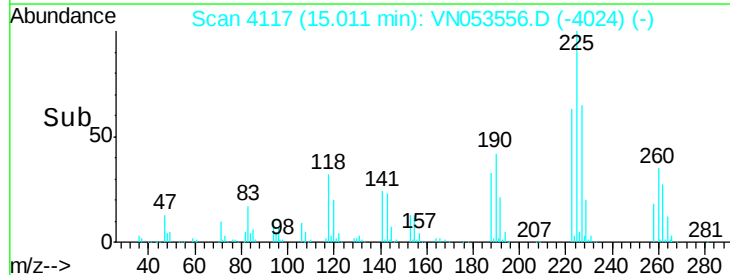
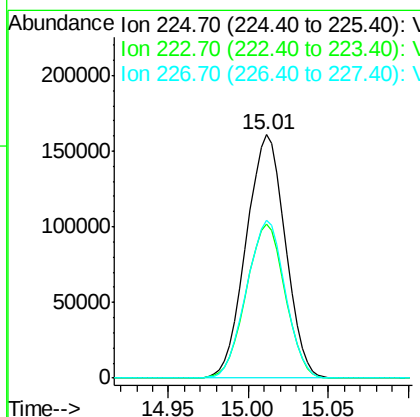
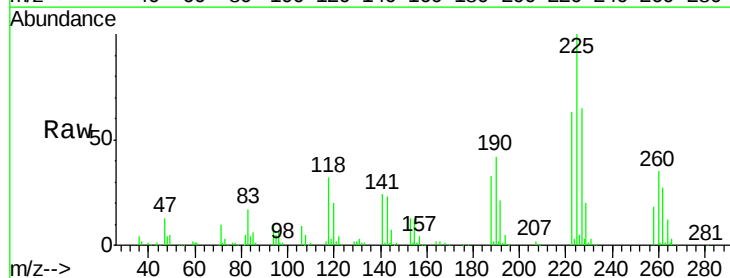
Instrument :
 MSVOA_N
 ClientSampleId :

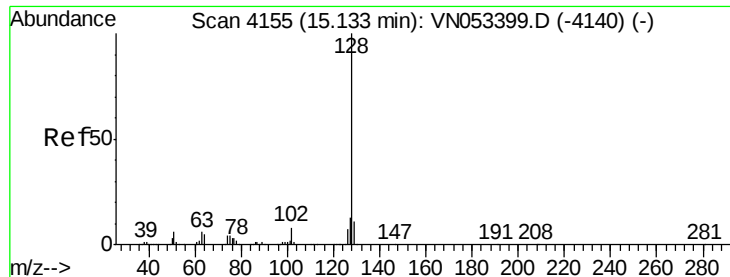
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.4	48.1	144.3
145	28.0	13.9	41.6



#94
 Hexachlorobutadiene
 Concen: 58.594 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053556.D
 Acq: 28 Jan 2019 19:57

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.9	31.1	93.2
227	64.3	32.0	96.2





#95

Naphthalene

Concen: 94.227 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053556.D

Acq: 28 Jan 2019 19:57

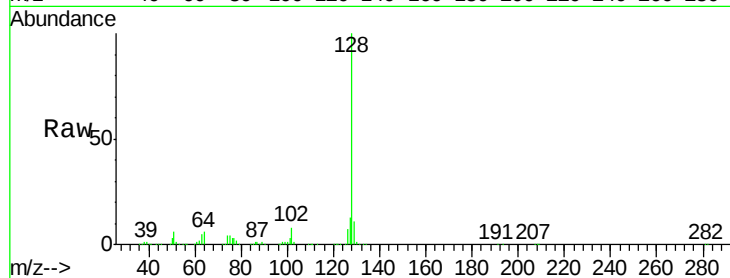
Instrument :

MSVOA_N

ClientSampled :

Tot Ion:128 Resp: 1114933

Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.3	15.5
129	10.9	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

15.13

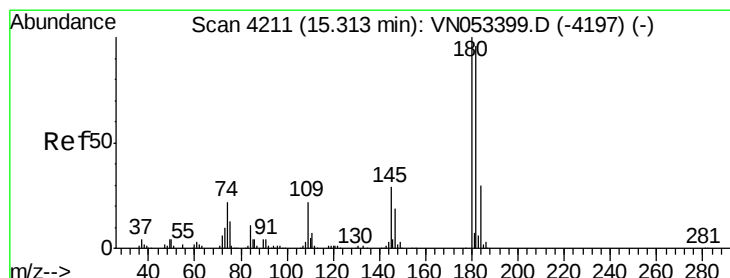
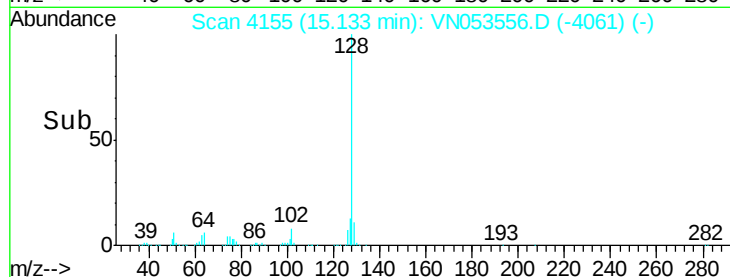
600000

400000

200000

0

Time-->



#96

1,2,3-Trichlorobenzene

Concen: 91.970 ug/l

RT: 15.32 min Scan# 4212

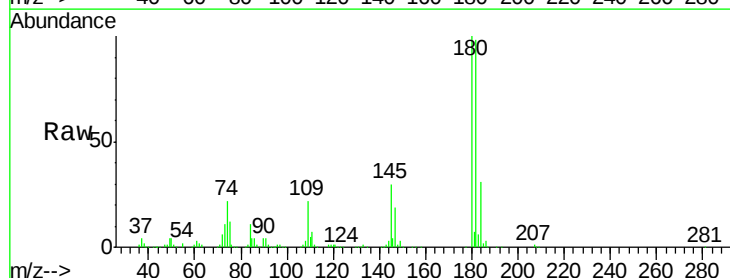
Delta R.T. 0.00 min

Lab File: VN053556.D

Acq: 28 Jan 2019 19:57

Tgt Ion:180 Resp: 453205

Ion	Ratio	Lower	Upper
180	100		
182	96.3	47.9	143.8
145	29.7	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

15.32

300000

200000

100000

0

Time-->

