

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012819\
 Data File : VN053544.D
 Acq On : 28 Jan 2019 14:35
 Operator : JC/SP
 Sample : VN0128WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0128WBSD01

Quant Time: Jan 29 06:16:36 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	689470	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1098576	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	974425	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	465548	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	371567	54.52	ug/l	0.00
Spiked Amount			Recovery	=	109.04%	
35) Dibromofluoromethane	7.59	113	347207	55.38	ug/l	0.00
Spiked Amount			Recovery	=	110.76%	
50) Toluene-d8	10.09	98	1285124	48.47	ug/l	0.00
Spiked Amount			Recovery	=	96.94%	
62) 4-Bromofluorobenzene	12.40	95	443559	47.71	ug/l	0.00
Spiked Amount			Recovery	=	95.42%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	103535	18.677	ug/l	99
3) Chloromethane	2.06	50	154406	19.482	ug/l	99
4) Vinyl Chloride	2.19	62	147789	19.344	ug/l	99
5) Bromomethane	2.58	94	96459	18.401	ug/l	99
6) Chloroethane	2.71	64	91501	19.810	ug/l	99
7) Trichlorofluoromethane	3.02	101	211829	21.198	ug/l	99
8) Diethyl Ether	3.41	74	85408	22.756	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.77	101	134792	21.298	ug/l	100
10) Methyl Iodide	3.96	142	203567	21.049	ug/l	99
11) Tert butyl alcohol	4.78	59	53468	160.344	ug/l #	85
12) 1,1-Dichloroethene	3.74	96	129527	21.101	ug/l	99
13) Acrolein	3.61	56	41507	80.726	ug/l	98
14) Allyl chloride	4.33	41	217246	21.788	ug/l	99
15) Acrylonitrile	4.99	53	267313	121.809	ug/l	100
16) Acetone	3.82	43	186576	116.693	ug/l	98
17) Carbon Disulfide	4.06	76	346198	18.650	ug/l	99
18) Methyl Acetate	4.33	43	140313	26.047	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	388154	23.798	ug/l	98
20) Methylene Chloride	4.55	84	155828	21.347	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	139883	21.315	ug/l	96
22) Diisopropyl ether	5.96	45	446998	21.475	ug/l	97
23) Vinyl Acetate	5.90	43	1513797	118.309	ug/l	99
24) 1,1-Dichloroethane	5.85	63	273705	22.243	ug/l	99
25) 2-Butanone	6.84	43	297580	120.778	ug/l	99
26) 2,2-Dichloropropane	6.83	77	189662	20.414	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	168603	22.467	ug/l	99
28) Bromochloromethane	7.20	49	108067	19.935	ug/l	98
29) Tetrahydrofuran	7.21	42	199529	124.396	ug/l	98
30) Chloroform	7.37	83	271522	22.648	ug/l	99
31) Cyclohexane	7.66	56	241879	20.065	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	227973	22.416	ug/l	97
36) 1,1-Dichloropropene	7.80	75	195800	19.570	ug/l	97
37) Ethyl Acetate	6.93	43	134198	23.314	ug/l	100
38) Carbon Tetrachloride	7.78	117	193861	20.467	ug/l	98

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	233936	18.918	ug/l	99
40) Benzene	8.04	78	625762	20.582	ug/l	99
41) Methacrylonitrile	7.17	41	72833	21.677	ug/l	94
42) 1,2-Dichloroethane	8.13	62	189200	21.361	ug/l	99
43) Isopropyl Acetate	8.17	43	267920	25.886	ug/l #	84
44) Trichloroethene	8.84	130	176349	20.916	ug/l	98
45) 1,2-Dichloropropane	9.12	63	168470	20.921	ug/l	97
46) Dibromomethane	9.21	93	96955	20.956	ug/l	97
47) Bromodichloromethane	9.40	83	205695	21.141	ug/l	99
48) Methyl methacrylate	9.20	41	112313	21.017	ug/l	94
49) 1,4-Dioxane	9.20	88	31814	609.569	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	639248	113.140	ug/l	100
52) Toluene	10.16	92	385096	20.403	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	209050	21.197	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	243655	21.076	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	144852	22.260	ug/l	98
56) Ethyl methacrylate	10.43	69	184712	21.236	ug/l	98
57) 1,3-Dichloropropane	10.71	76	242715	21.561	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	502315	110.339	ug/l	99
59) 2-Hexanone	10.75	43	425399	107.254	ug/l	100
60) Dibromochloromethane	10.90	129	153404	20.784	ug/l	99
61) 1,2-Dibromoethane	11.01	107	142153	21.600	ug/l	99
64) Tetrachloroethene	10.63	164	161659	17.604	ug/l	99
65) Chlorobenzene	11.44	112	419914	20.359	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	147837	20.604	ug/l	99
67) Ethyl Benzene	11.51	91	713272	20.292	ug/l	100
68) m/p-Xylenes	11.62	106	547195	41.231	ug/l	99
69) o-Xylene	11.95	106	269403	20.891	ug/l	98
70) Styrene	11.97	104	434978	20.783	ug/l	100
71) Bromoform	12.13	173	105828	21.424	ug/l #	100
73) Isopropylbenzene	12.25	105	701745	20.584	ug/l	99
74) N-amyl acetate	12.07	43	192136	21.141	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.51	83	174913	24.463	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	213191	34.750	ug/l #	100
77) Bromobenzene	12.53	156	186845	20.799	ug/l	100
78) n-propylbenzene	12.59	91	805756	20.590	ug/l	100
79) 2-Chlorotoluene	12.68	91	479884	20.688	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	591538	21.326	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	45007	20.159	ug/l	98
82) 4-Chlorotoluene	12.77	91	485896	20.541	ug/l	98
83) tert-Butylbenzene	12.99	119	518731	21.173	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	662538	23.688	ug/l	99
85) sec-Butylbenzene	13.17	105	704200	20.959	ug/l	100
86) p-Isopropyltoluene	13.29	119	609603	20.895	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	325029	20.569	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	324098	20.446	ug/l	98
89) n-Butylbenzene	13.62	91	515584	20.733	ug/l	99
90) Hexachloroethane	13.88	117	92495	20.215	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	314699	21.647	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	24960	27.531	ug/l	99

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

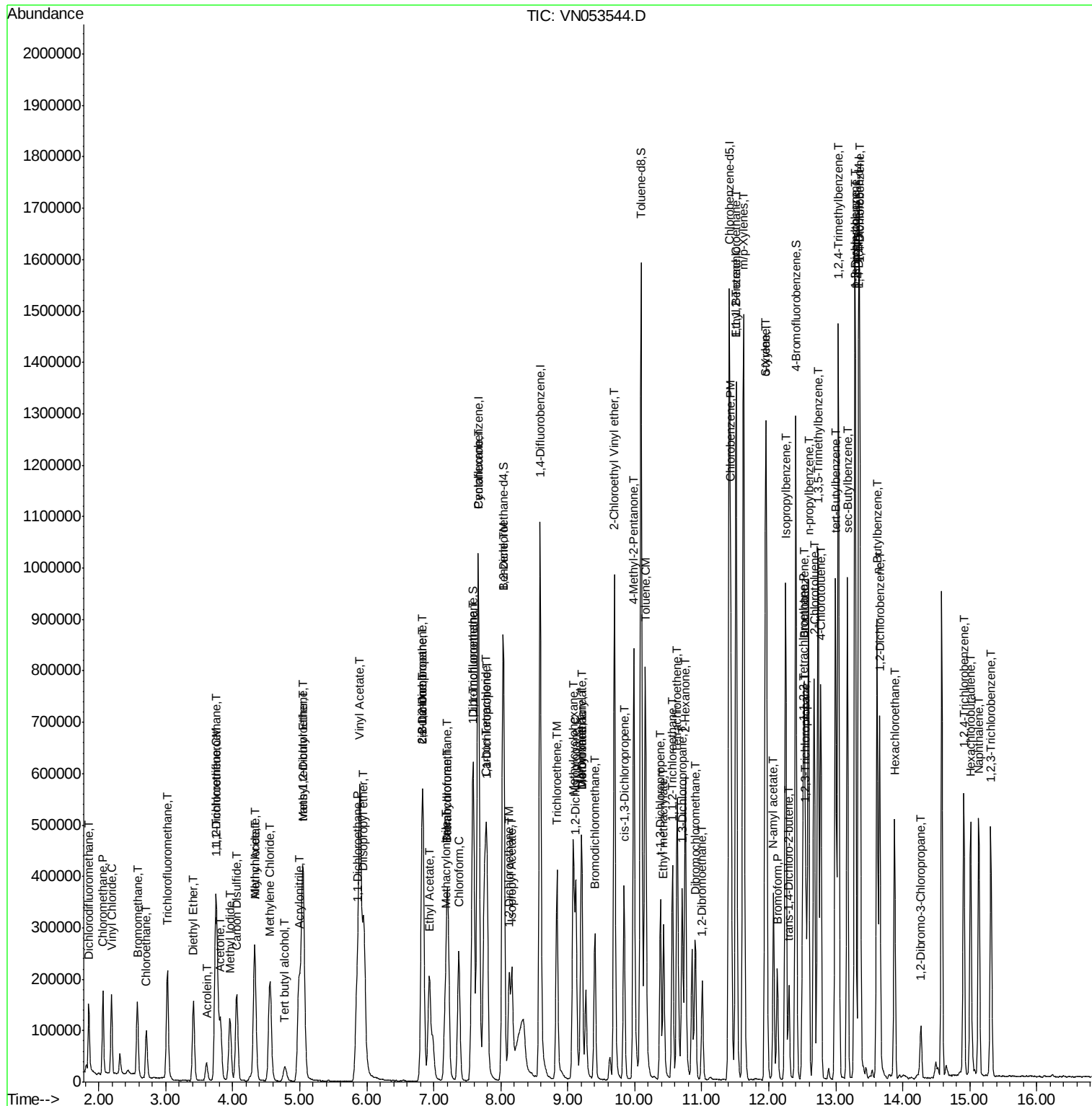
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	194718	31.443	ug/l	100
94) Hexachlorobutadiene	15.01	225	105823	23.334	ug/l	99
95) Naphthalene	15.13	128	452679	40.993	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	184448	40.133	ug/l	99

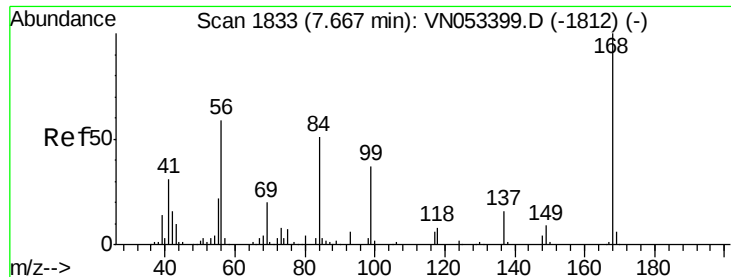
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VN053544.D
Acq On : 28 Jan 2019 14:35
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Instrument :
MSVOA_N
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Quant Time: Jan 29 06:16:36 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053544.D

Acq: 28 Jan 2019 14:35

Instrument :

MSVOA_N

ClientSampleId :

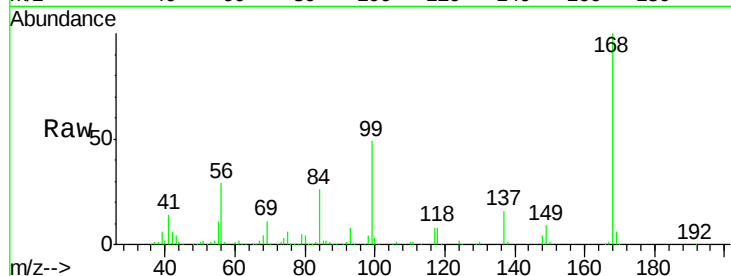
VN0128WBSD01

Tot Ion:168 Resp: 689470

Ion Ratio Lower Upper

168 100

99 47.7 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

250000

200000

150000

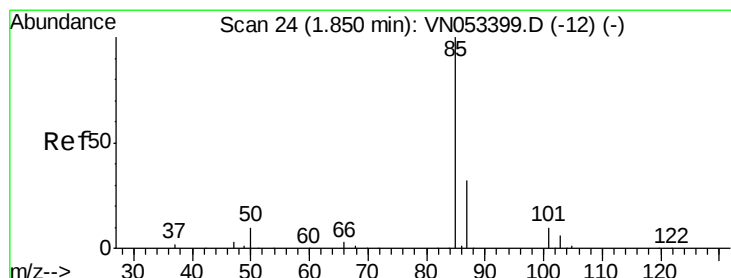
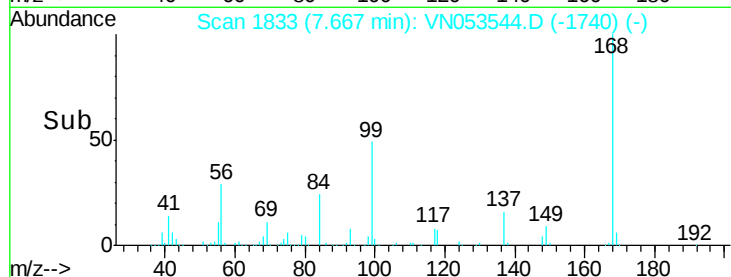
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 18.677 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053544.D

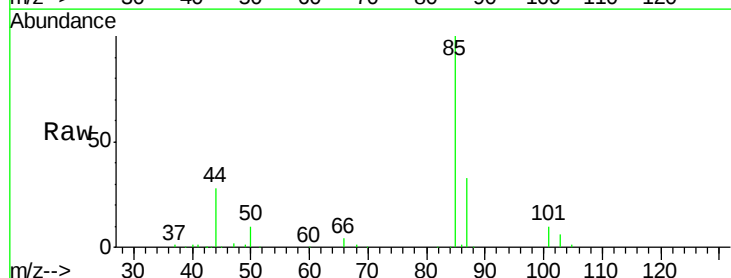
Acq: 28 Jan 2019 14:35

Tgt Ion: 85 Resp: 103535

Ion Ratio Lower Upper

85 100

87 32.7 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

80000

60000

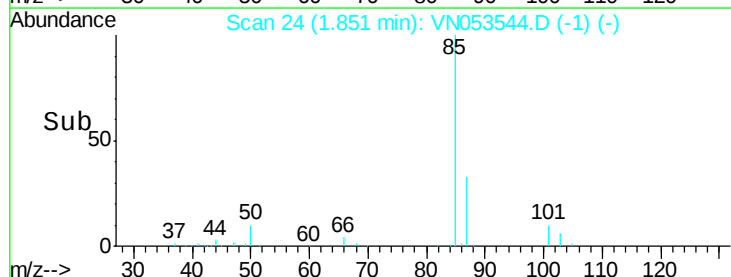
40000

20000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 19.482 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN053544.D

Acq: 28 Jan 2019 14:35

Instrument :

MSVOA_N

ClientSampled :

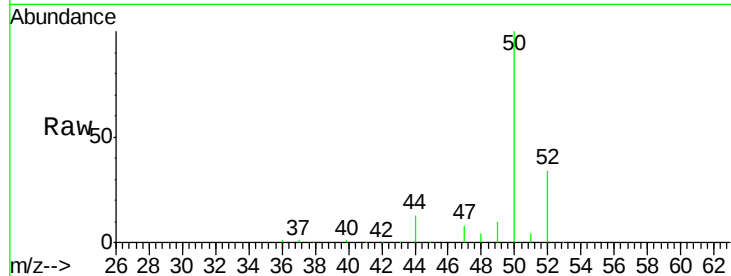
VN0128WBSD01

Tot Ion: 50 Resp: 154406

Ion Ratio Lower Upper

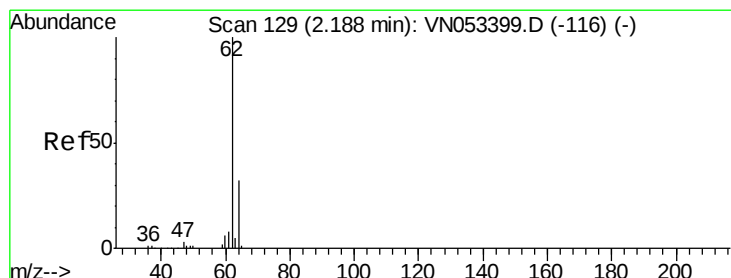
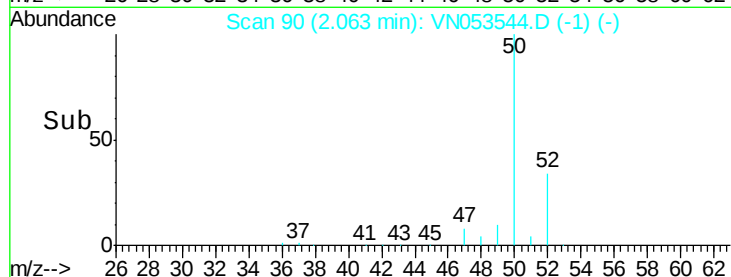
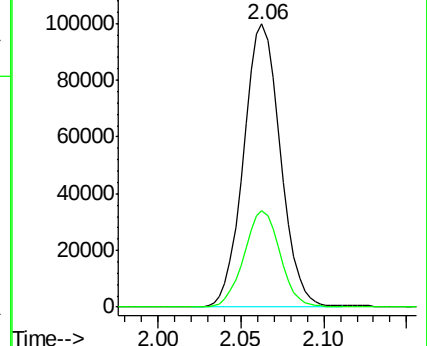
50 100

52 34.0 26.6 40.0



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 19.344 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN053544.D

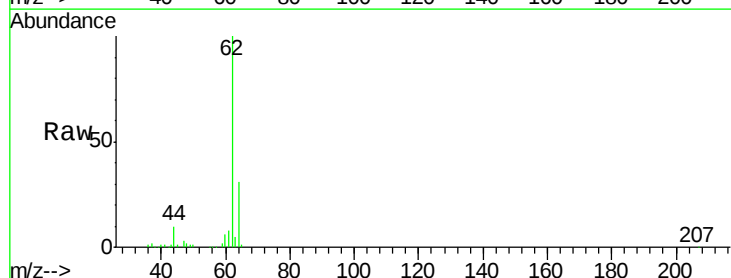
Acq: 28 Jan 2019 14:35

Tgt Ion: 62 Resp: 147789

Ion Ratio Lower Upper

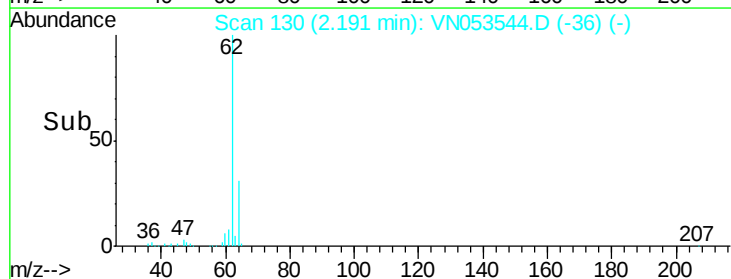
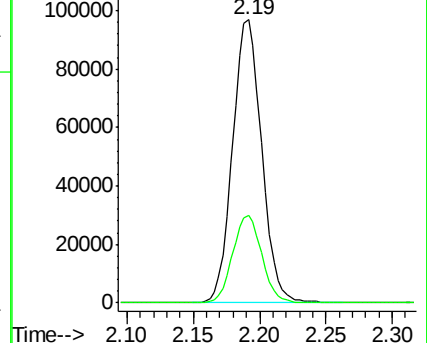
62 100

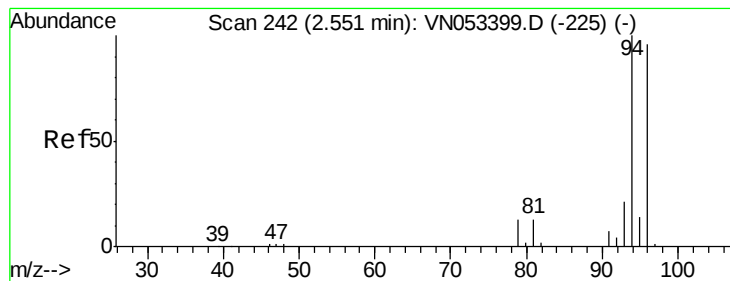
64 31.0 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 18.401 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.03 min

Lab File: VN053544.D

Acq: 28 Jan 2019 14:35

Instrument :

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ClientSampleId :

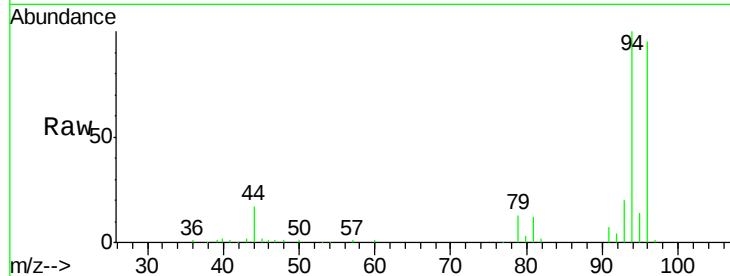
VN0128WBSD01

Tot Ion: 94 Resp: 96459

Ion Ratio Lower Upper

94 100

96 94.9 76.8 115.2



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.58

60000

50000

40000

30000

20000

10000

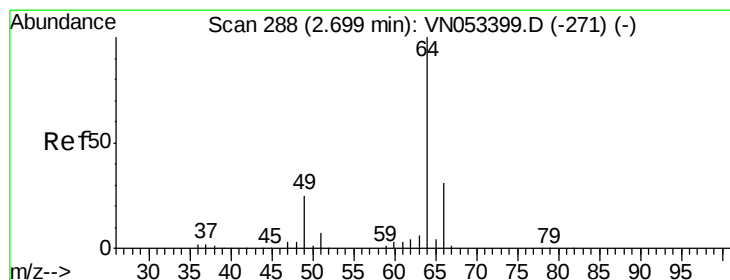
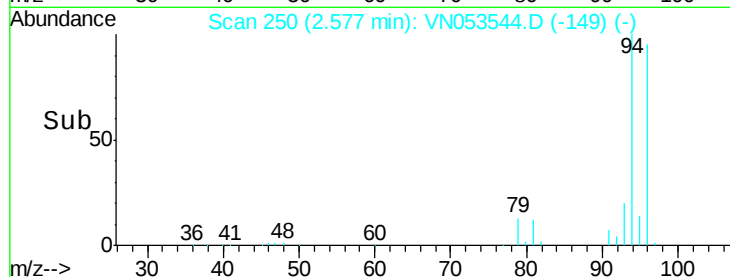
0

Time-->

2.50

2.60

2.70



#6

Chloroethane

Concen: 19.810 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.01 min

Lab File: VN053544.D

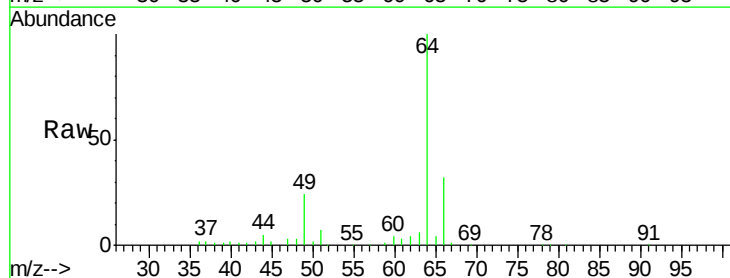
Acq: 28 Jan 2019 14:35

Tgt Ion: 64 Resp: 91501

Ion Ratio Lower Upper

64 100

66 31.8 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.71

50000

40000

30000

20000

10000

0

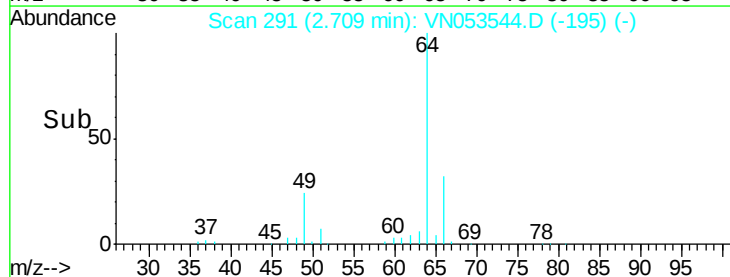
Time-->

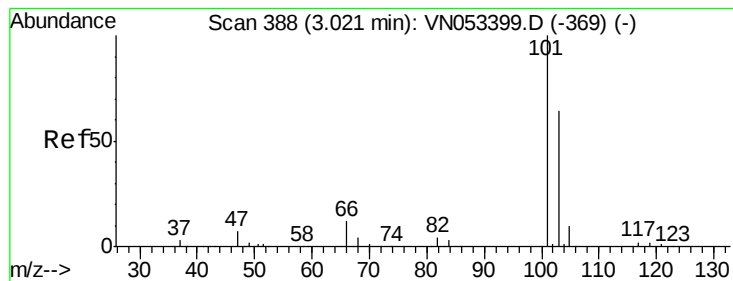
2.65

2.70

2.75

2.80



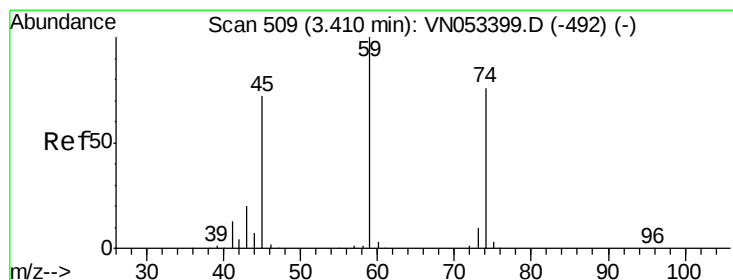
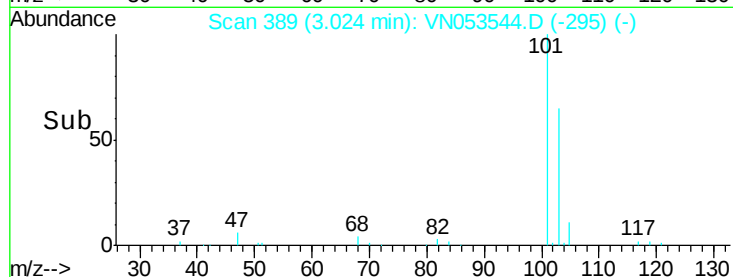
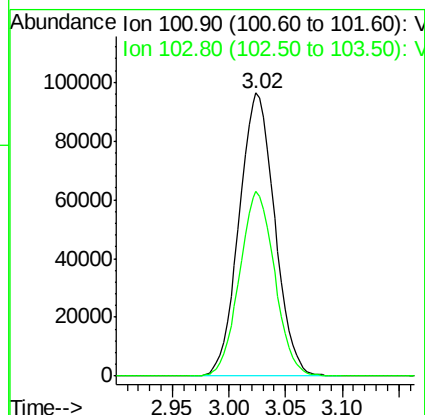
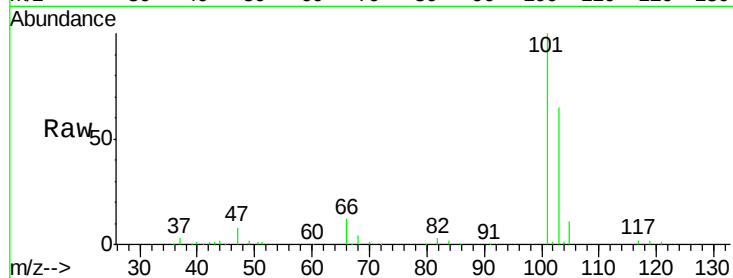


#7

Trichlorofluoromethane
Concen: 21.198 ug/l
RT: 3.02 min Scan# 389
Delta R.T. 0.00 min
Lab File: VN053544.D
Acq: 28 Jan 2019 14:35

Instrument :
MSVOA_N
ClientSampleId :
VN0128WBSD01

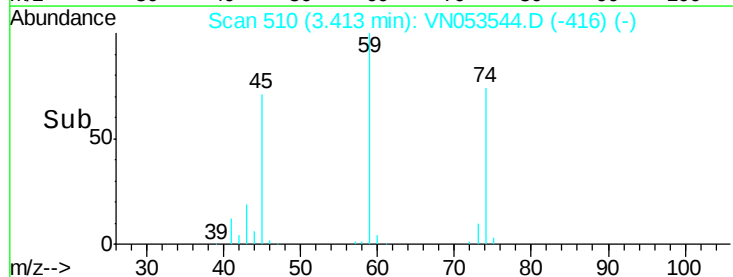
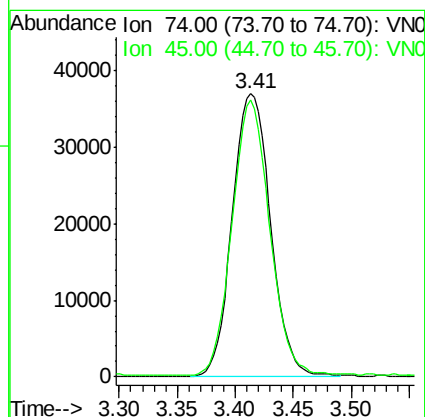
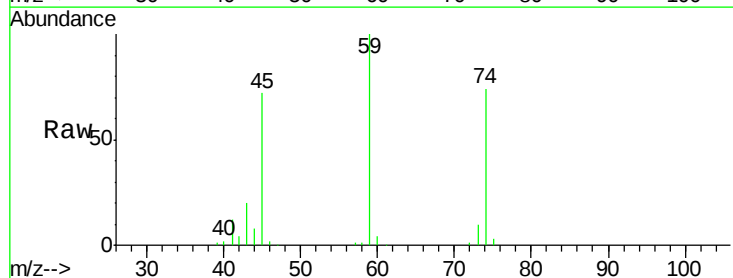
Tot Ion:101 Resp: 211829
Ion Ratio Lower Upper
101 100
103 65.2 51.6 77.4

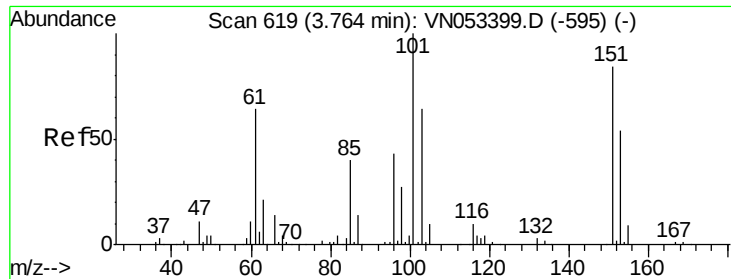


#8

Diethyl Ether
Concen: 22.756 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN053544.D
Acq: 28 Jan 2019 14:35

Tgt Ion: 74 Resp: 85408
Ion Ratio Lower Upper
74 100
45 94.5 47.9 143.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.298 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.00 min

Lab File: VN053544.D

Acq: 28 Jan 2019 14:35

Instrument :

MSVOA_N

ClientSampleId :

VN0128WBSD01

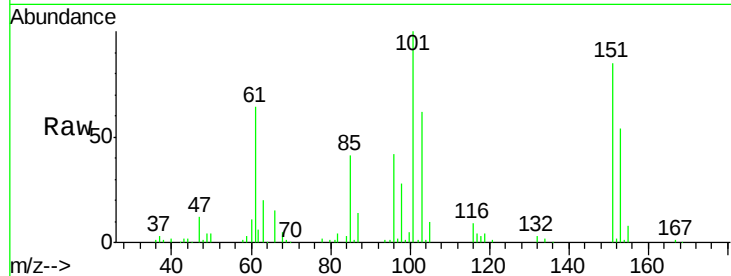
Tot Ion:101 Resp: 134792

Ion Ratio Lower Upper

101 100

85 40.9 32.8 49.2

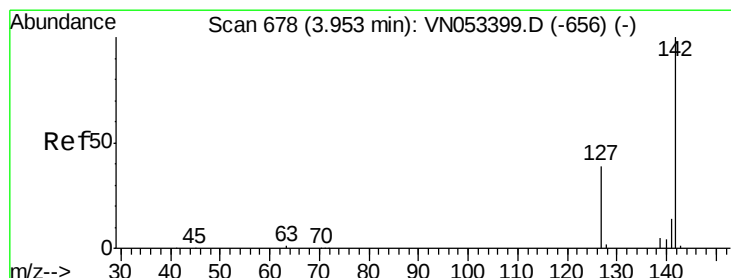
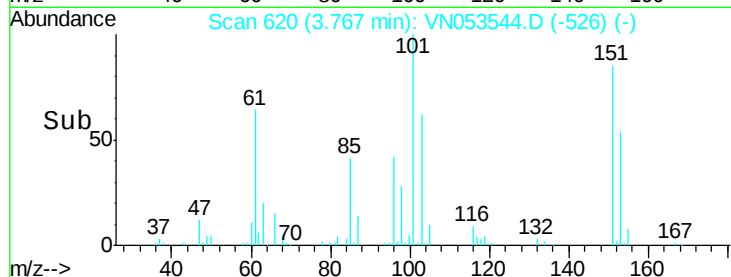
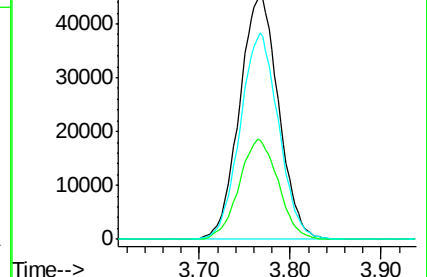
151 83.5 66.9 100.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 21.049 ug/l

RT: 3.96 min Scan# 680

Delta R.T. 0.01 min

Lab File: VN053544.D

Acq: 28 Jan 2019 14:35

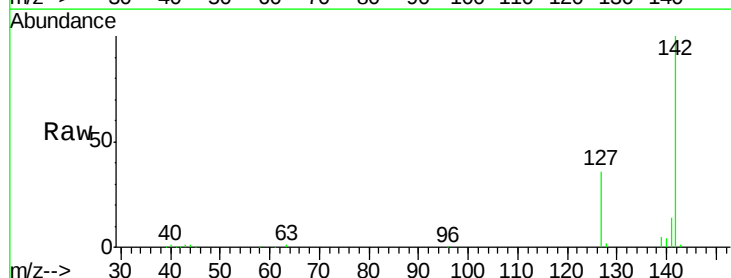
Tgt Ion:142 Resp: 203567

Ion Ratio Lower Upper

142 100

127 37.9 31.0 46.4

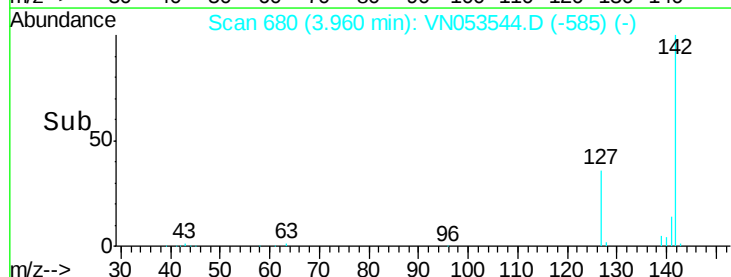
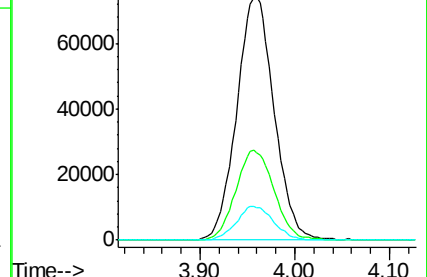
141 13.8 11.1 16.7

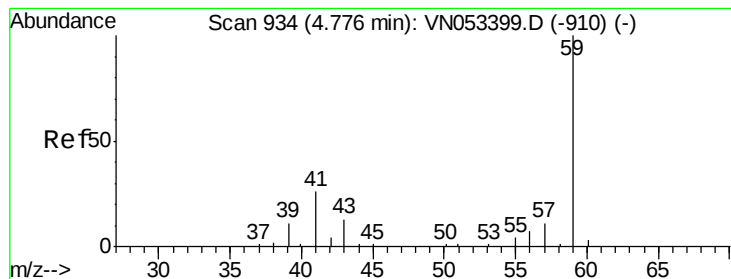


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



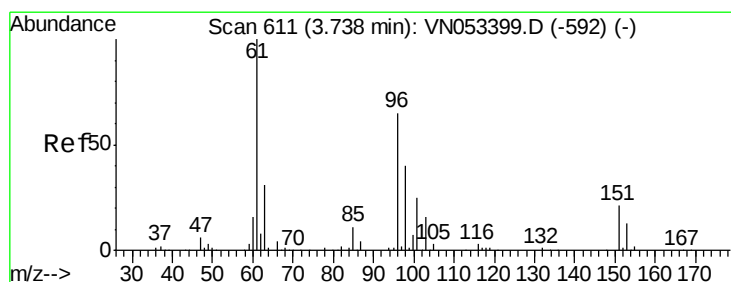
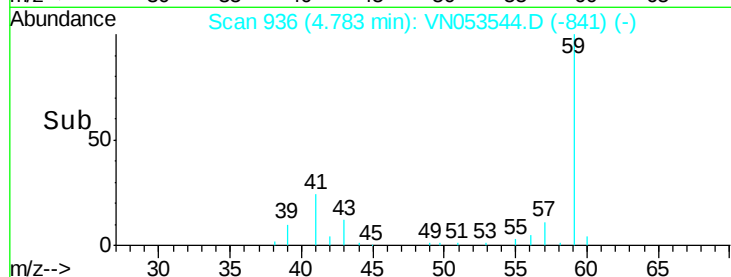
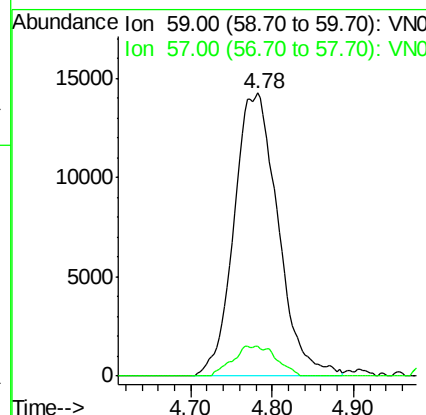
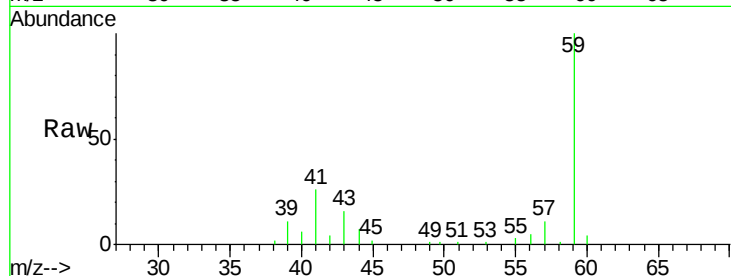


#11

Tert butyl alcohol
Concen: 160.344 ug/l
RT: 4.78 min Scan# 936
Delta R.T. 0.01 min
Lab File: VN053544.D
Acq: 28 Jan 2019 14:35

Instrument :
MSVOA_N
ClientSampleId :
VN0128WBSD01

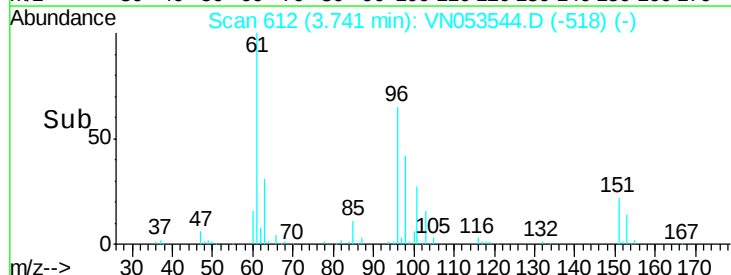
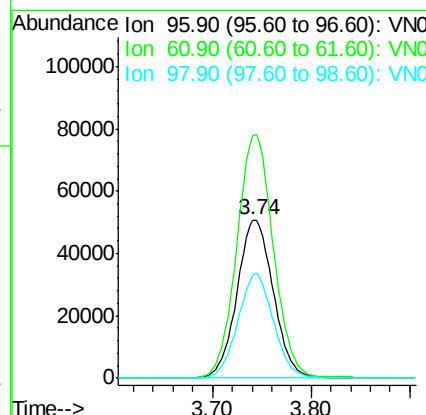
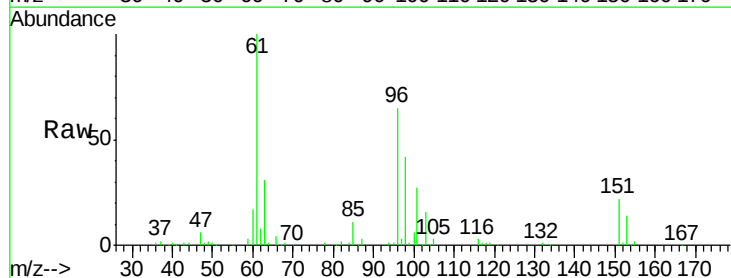
Tot Ion: 59 Resp: 53468
Ion Ratio Lower Upper
59 100
57 4.6 8.2 12.4#

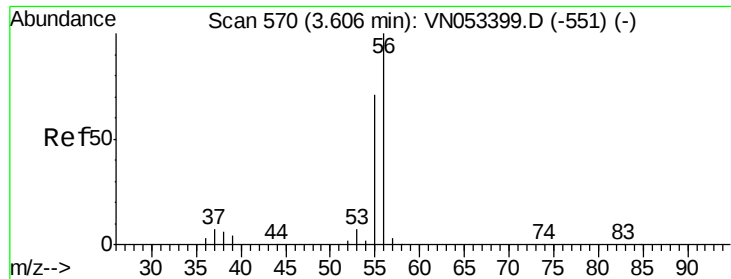


#12

1,1-Dichloroethene
Concen: 21.101 ug/l
RT: 3.74 min Scan# 612
Delta R.T. 0.00 min
Lab File: VN053544.D
Acq: 28 Jan 2019 14:35

Tgt Ion: 96 Resp: 129527
Ion Ratio Lower Upper
96 100
61 153.2 122.9 184.3
98 65.1 49.4 74.0





#13

Acrolein

Concen: 80.726 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN053544.D

Acq: 28 Jan 2019 14:35

Instrument :

MSVOA_N

ClientSampleId :

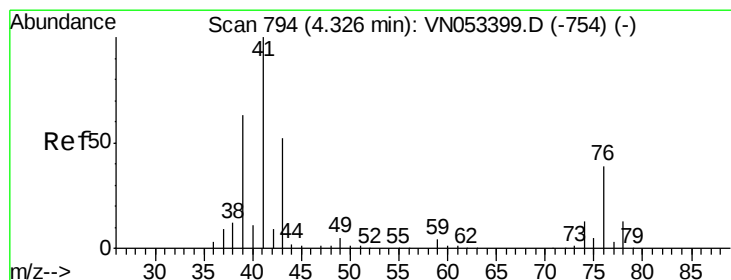
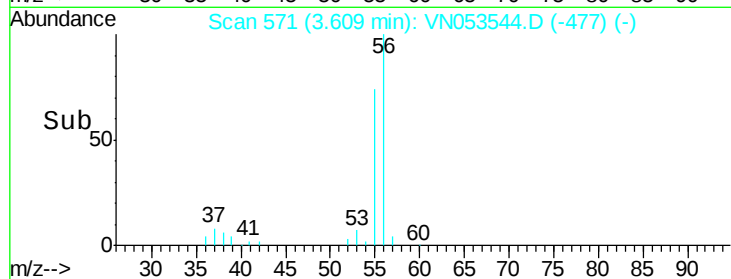
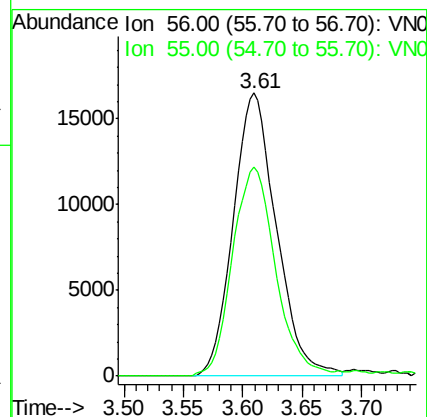
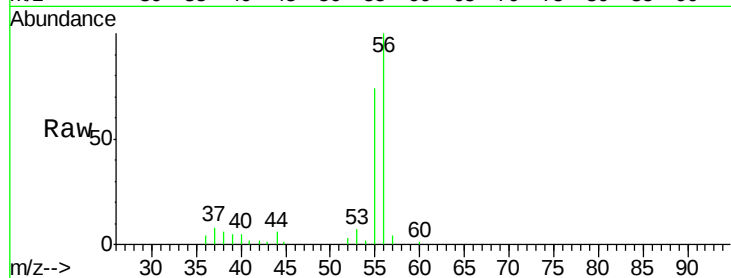
VN0128WBSD01

Tot Ion: 56 Resp: 41507

Ion Ratio Lower Upper

56 100

55 73.5 57.4 86.0



#14

Allyl chloride

Concen: 21.788 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN053544.D

Acq: 28 Jan 2019 14:35

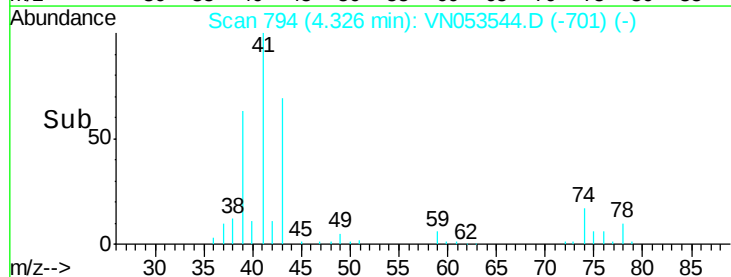
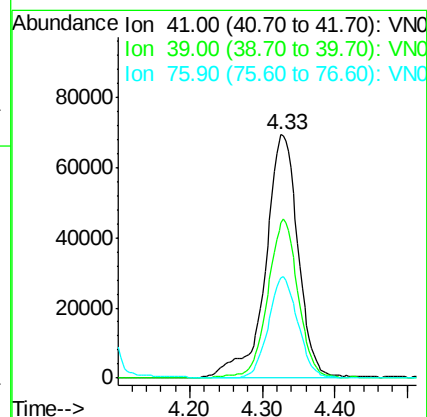
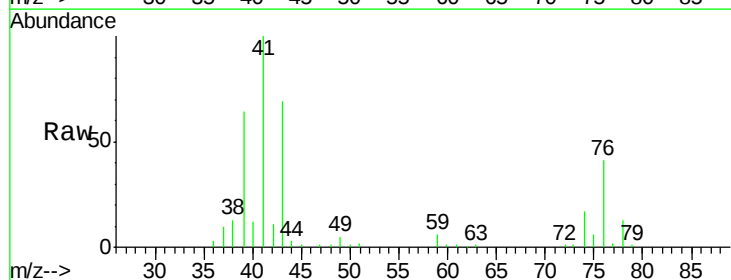
Tgt Ion: 41 Resp: 217246

Ion Ratio Lower Upper

41 100

39 60.9 48.9 73.3

76 37.7 29.4 44.2





#15

Acrylonitrile

Concen: 121.809 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN053544.D

Acq: 28 Jan 2019 14:35

Instrument :

MSVOA_N

ClientSampleId :

VN0128WBSD01

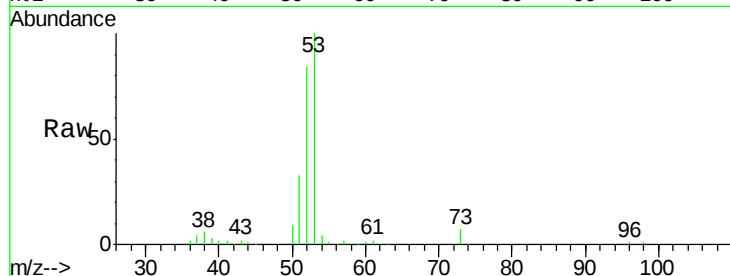
Tot Ion: 53 Resp: 267313

Ion Ratio Lower Upper

53 100

52 82.4 66.0 99.0

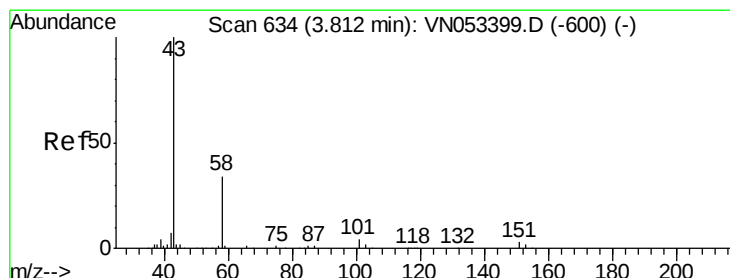
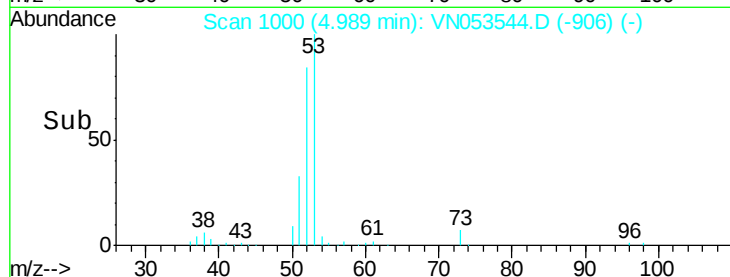
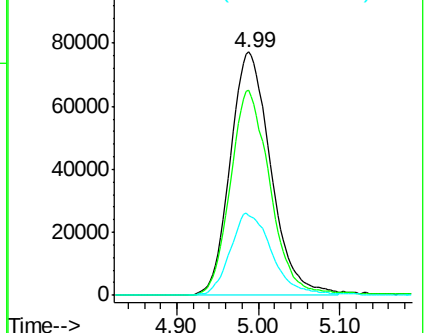
51 34.7 28.3 42.5



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 116.693 ug/l

RT: 3.82 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN053544.D

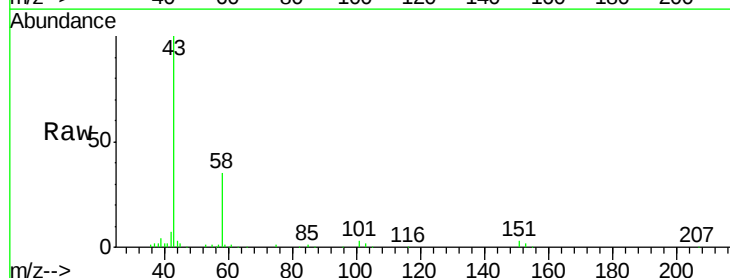
Acq: 28 Jan 2019 14:35

Tgt Ion: 43 Resp: 186576

Ion Ratio Lower Upper

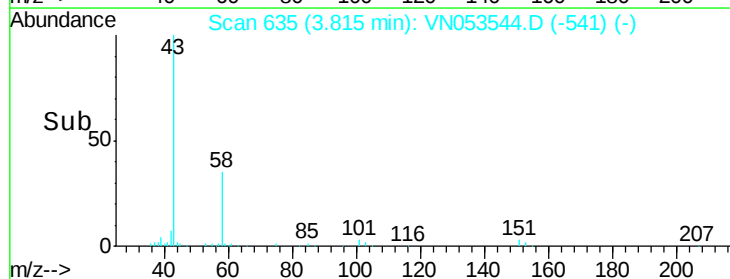
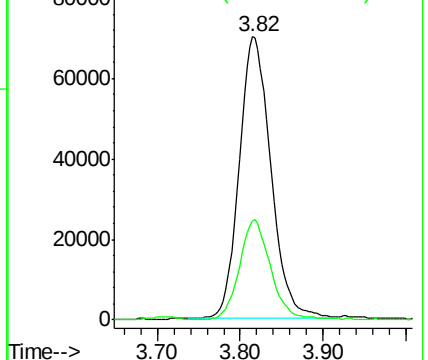
43 100

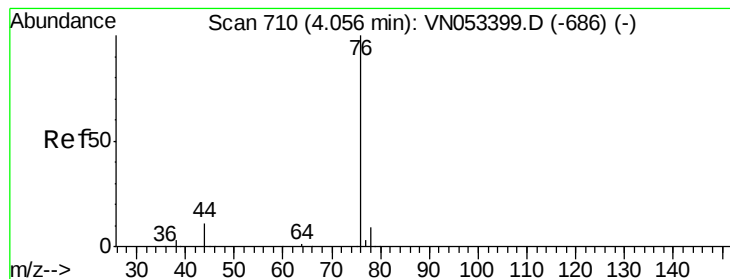
58 34.8 27.1 40.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 18.650 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN053544.D

Acq: 28 Jan 2019 14:35

Instrument :

MSVOA_N

ClientSampled :

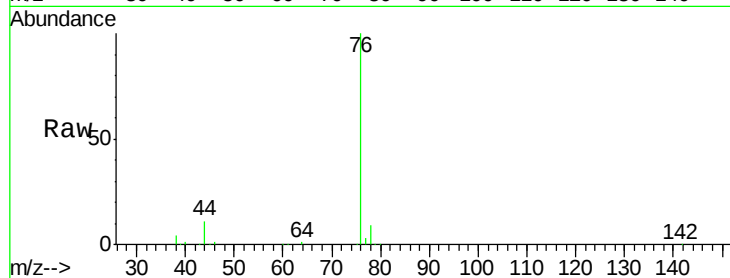
VN0128WBSD01

Tot Ion: 76 Resp: 346198

Ion Ratio Lower Upper

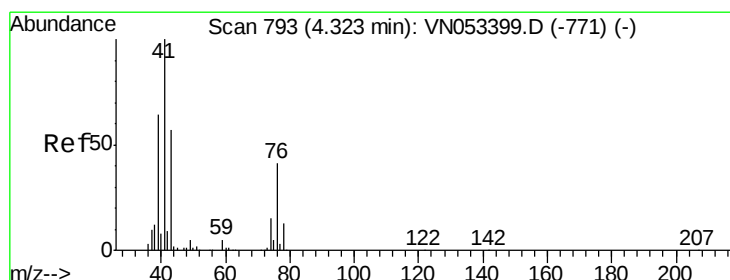
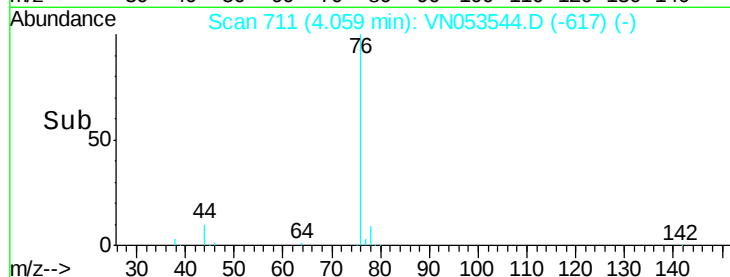
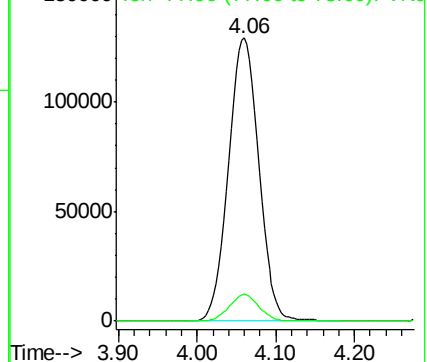
76 100

78 9.5 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 26.047 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN053544.D

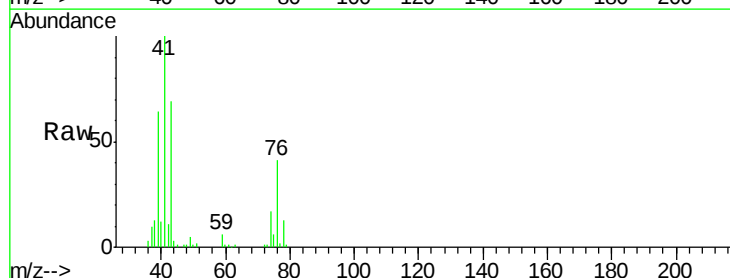
Acq: 28 Jan 2019 14:35

Tgt Ion: 43 Resp: 140313

Ion Ratio Lower Upper

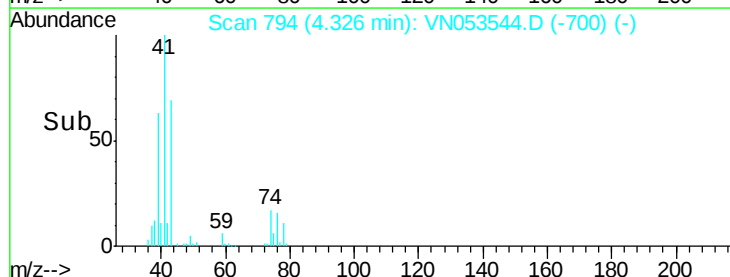
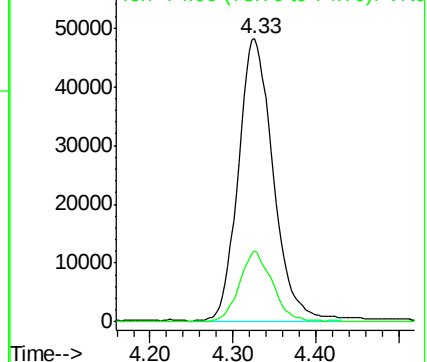
43 100

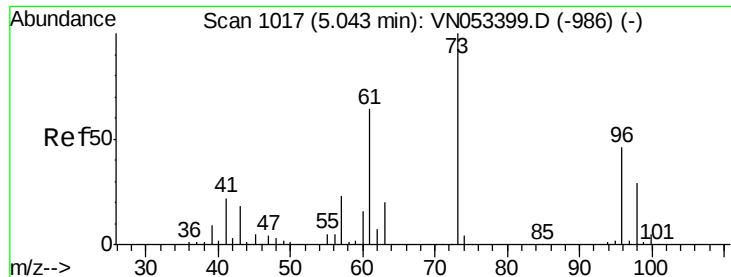
74 23.7 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

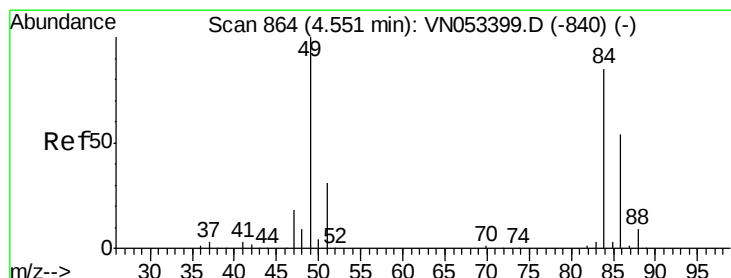
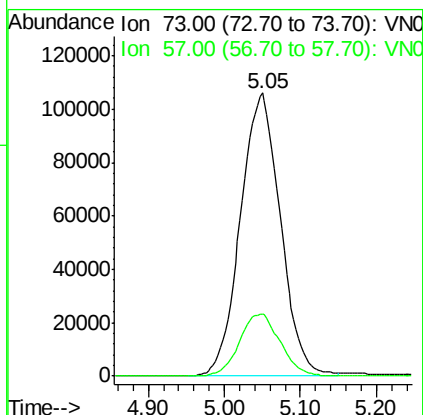
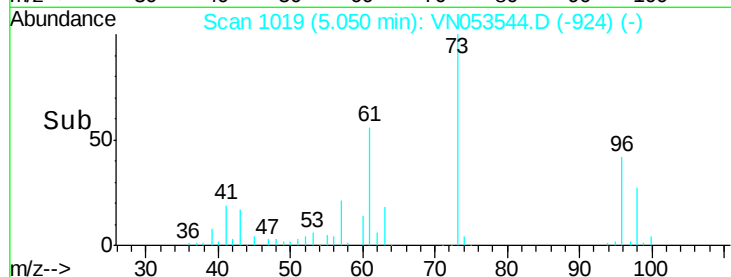
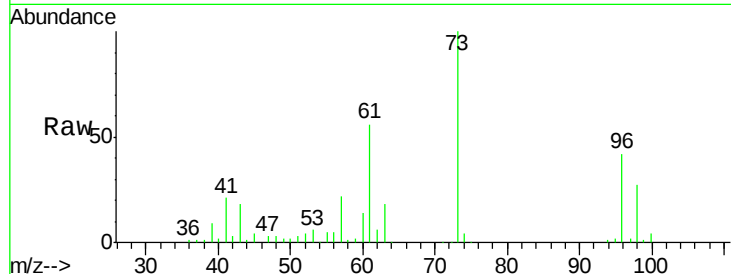




#19
Methvl tert-butvl Ether
Concen: 23.798 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.01 min
Lab File: VN053544.D
Acq: 28 Jan 2019 14:35

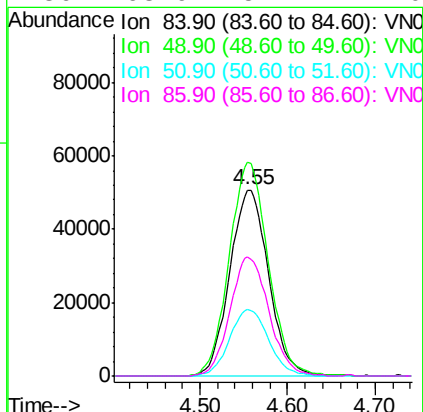
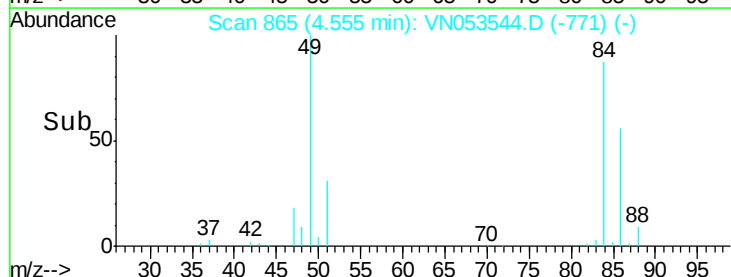
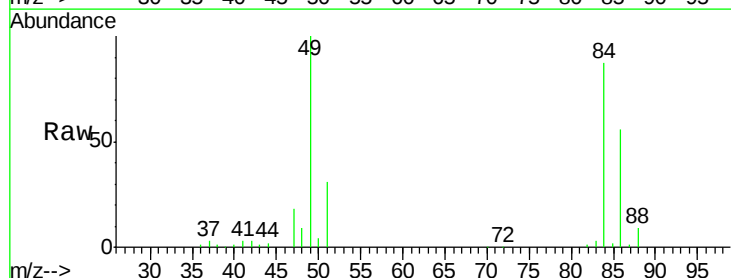
Instrument :
MSVOA_N
ClientSampleId :
VN0128WBSD01

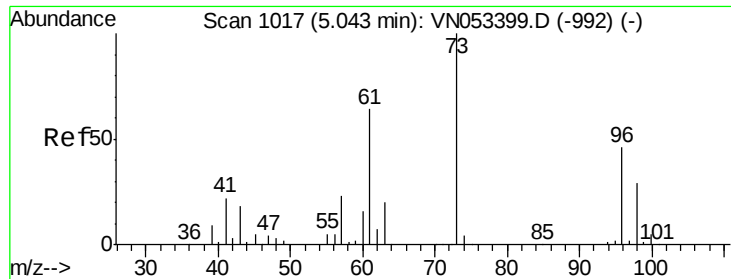
Tot Ion: 73 Resp: 388154
Ion Ratio Lower Upper
73 100
57 22.1 18.3 27.5



#20
Methylene Chloride
Concen: 21.347 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN053544.D
Acq: 28 Jan 2019 14:35

Tgt Ion: 84 Resp: 155828
Ion Ratio Lower Upper
84 100
49 114.5 94.3 141.5
51 35.5 29.4 44.2
86 63.9 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 21.315 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN053544.D

Acq: 28 Jan 2019 14:35

Instrument :

MSVOA_N

ClientSampleId :

VN0128WBSD01

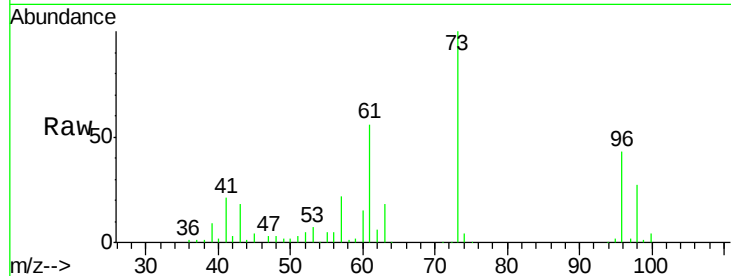
Tot Ion: 96 Resp: 139883

Ion Ratio Lower Upper

96 100

61 130.8 110.1 165.1

98 62.0 50.0 75.0

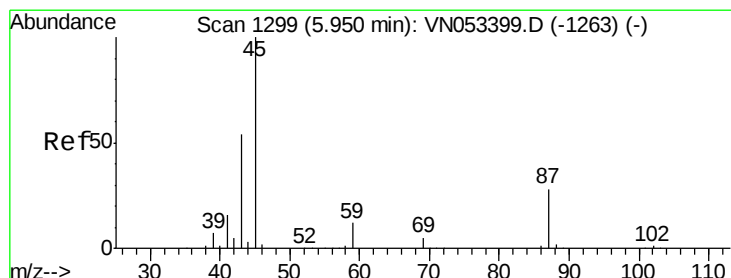
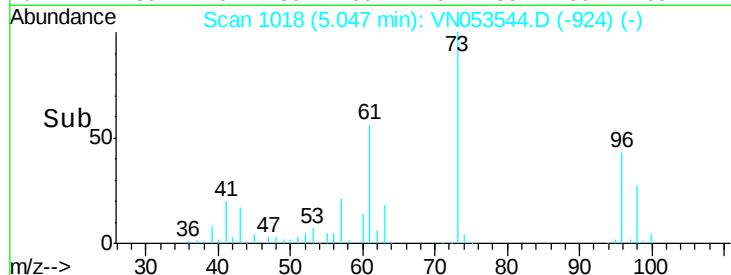
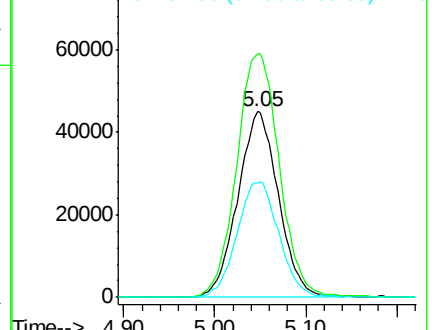


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 21.475 ug/l

RT: 5.96 min Scan# 1301

Delta R.T. 0.01 min

Lab File: VN053544.D

Acq: 28 Jan 2019 14:35

Tgt Ion: 45 Resp: 446998

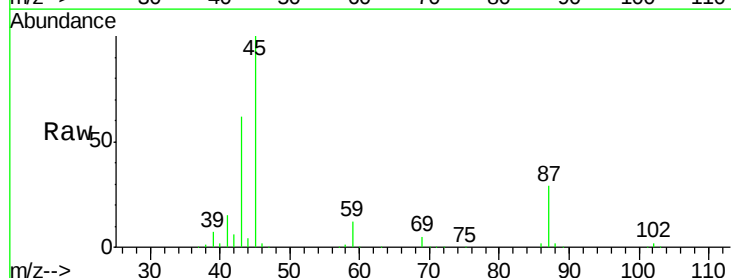
Ion Ratio Lower Upper

45 100

43 58.4 44.2 66.4

87 28.2 22.7 34.1

59 12.2 9.4 14.2



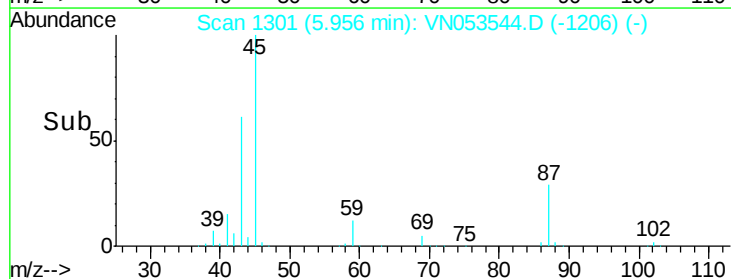
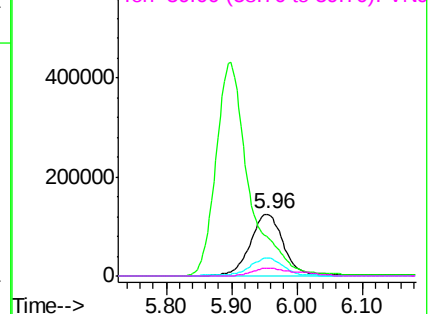
Abundance

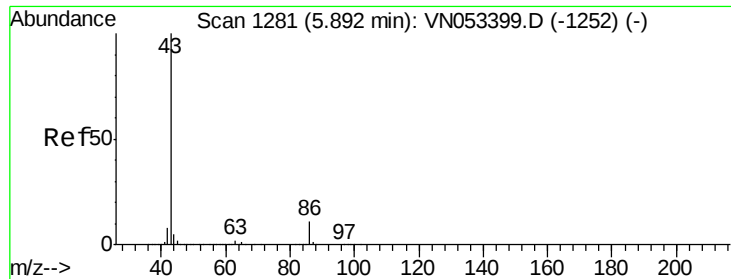
Ion 45.00 (44.70 to 45.70): VN0

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: 118.309 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.01 min

Lab File: VN053544.D

Acq: 28 Jan 2019 14:35

Instrument :

MSVOA_N

ClientSampleId :

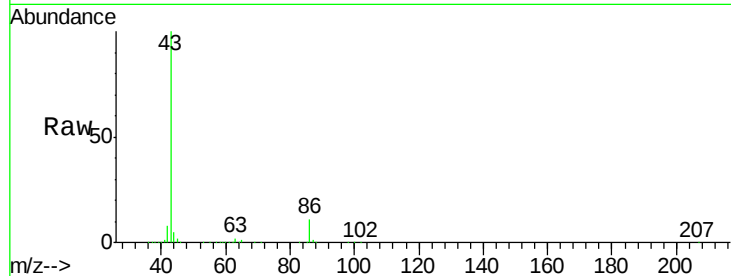
VN0128WBSD01

Tot Ion: 43 Resp: 1513797

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

5.90

400000

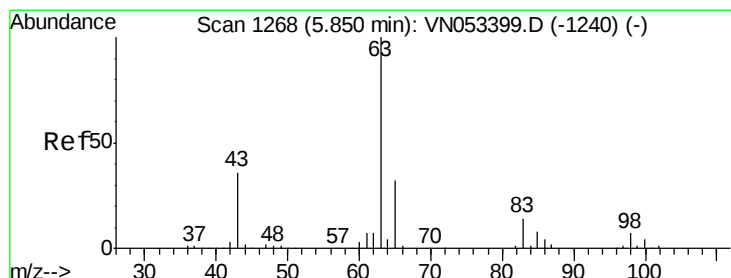
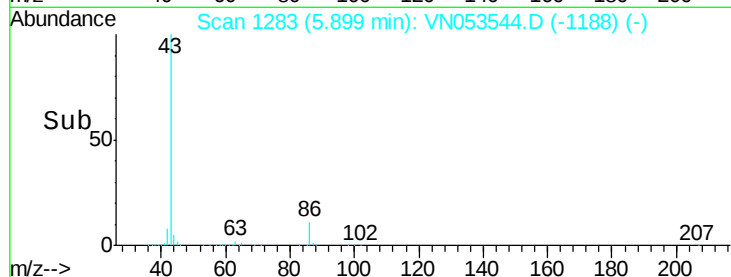
300000

200000

100000

0

Time--> 5.70 5.80 5.90 6.00 6.10



#24

1,1-Dichloroethane

Concen: 22.243 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN053544.D

Acq: 28 Jan 2019 14:35

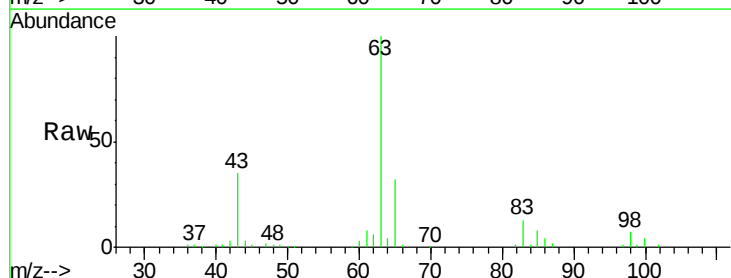
Tgt Ion: 63 Resp: 273705

Ion Ratio Lower Upper

63 100

98 6.7 3.3 9.9

100 3.9 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

5.85

100000

80000

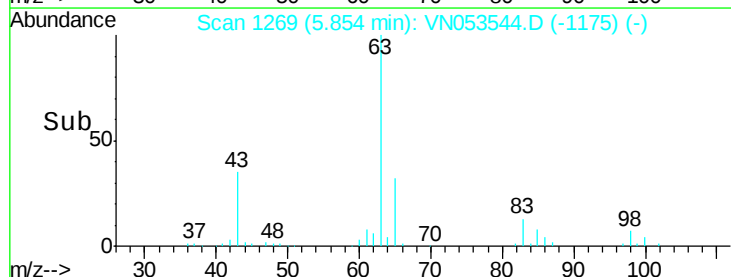
60000

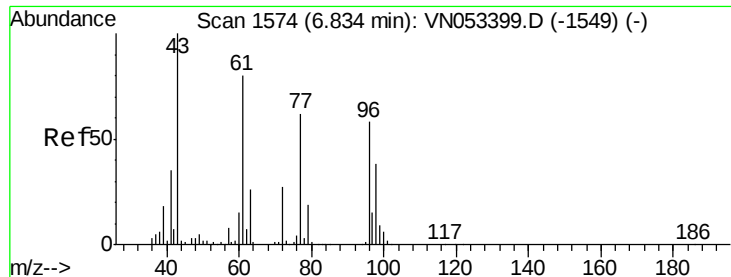
40000

20000

0

Time--> 5.70 5.80 5.90 6.00





#25

2-Butanone

Concen: 120.778 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VN053544.D

Acq: 28 Jan 2019 14:35

Instrument :

MSVOA_N

ClientSampled :

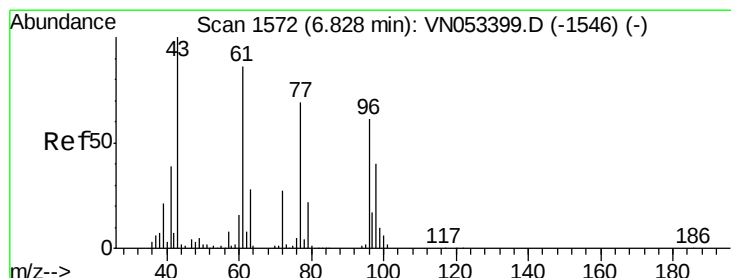
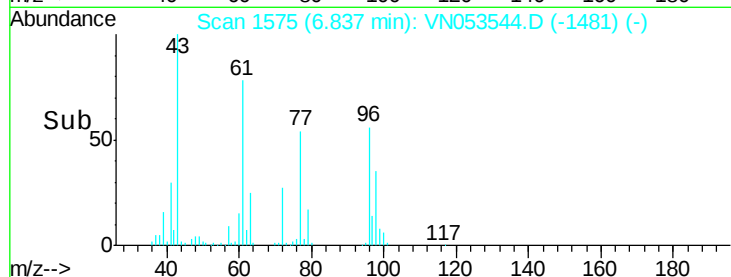
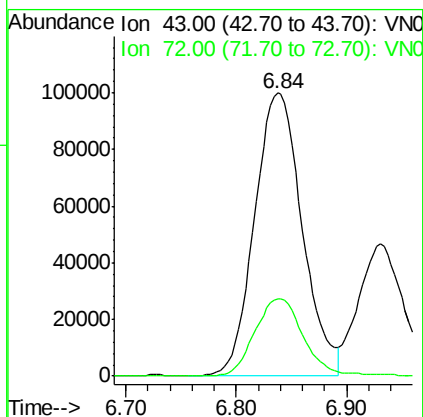
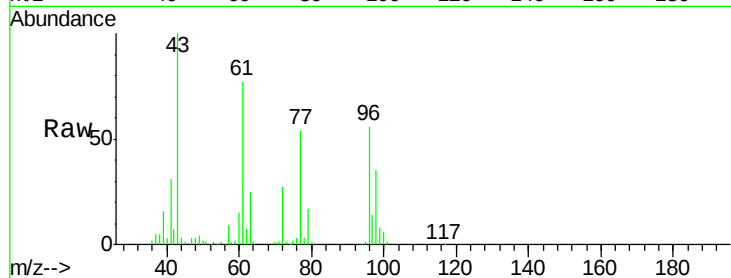
VN0128WBSD01

Tot Ion: 43 Resp: 297580

Ion Ratio Lower Upper

43 100

72 27.2 22.0 33.0



#26

2,2-Dichloropropane

Concen: 20.414 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN053544.D

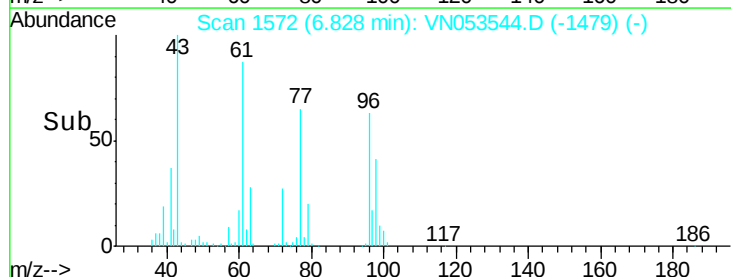
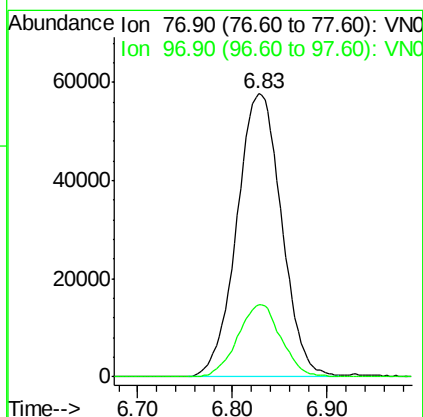
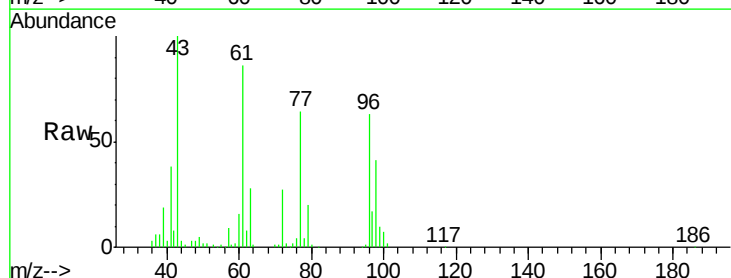
Acq: 28 Jan 2019 14:35

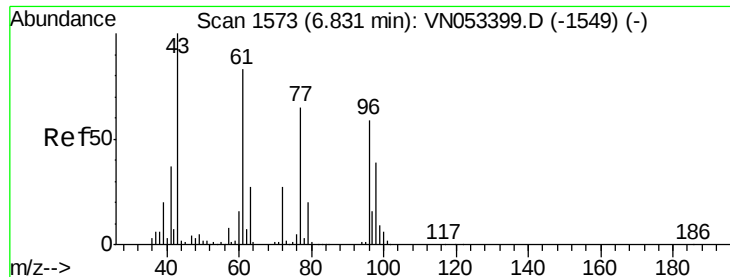
Tgt Ion: 77 Resp: 189662

Ion Ratio Lower Upper

77 100

97 24.9 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 22.467 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN053544.D

Acq: 28 Jan 2019 14:35

Instrument :

MSVOA_N

ClientSampled :

VN0128WBSD01

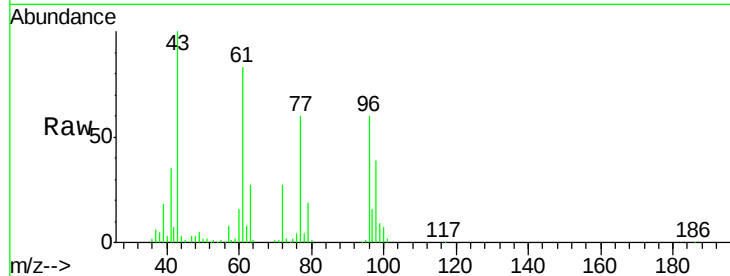
Tot Ion: 96 Resp: 168603

Ion Ratio Lower Upper

96 100

61 140.2 0.0 283.8

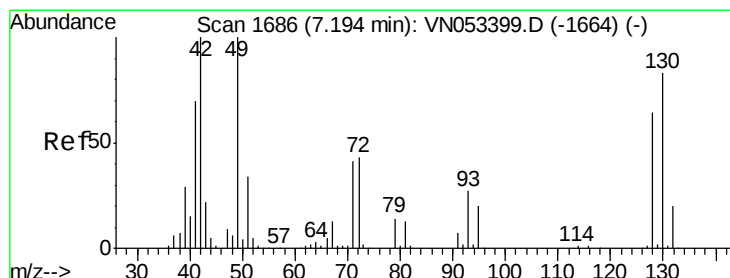
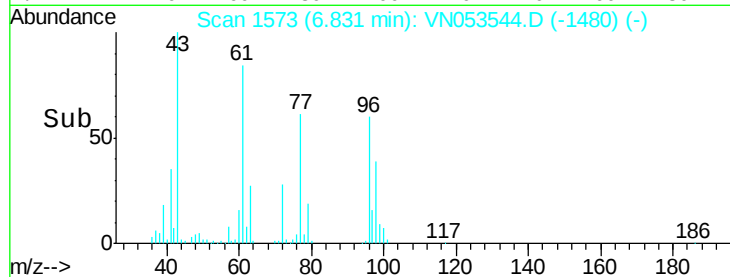
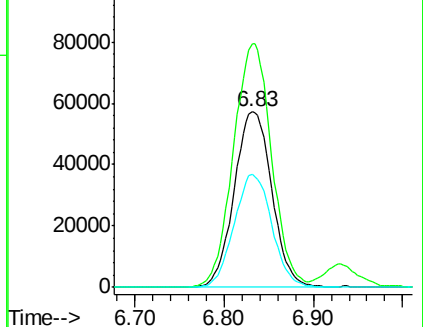
98 64.3 0.0 129.2



Abundance Ion 95.90 (95.60 to 96.60): VN053399.D (-1549) (-)

Ion 60.90 (60.60 to 61.60): VN053399.D (-1549) (-)

Ion 97.90 (97.60 to 98.60): VN053399.D (-1549) (-)



#28

Bromochloromethane

Concen: 19.935 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN053544.D

Acq: 28 Jan 2019 14:35

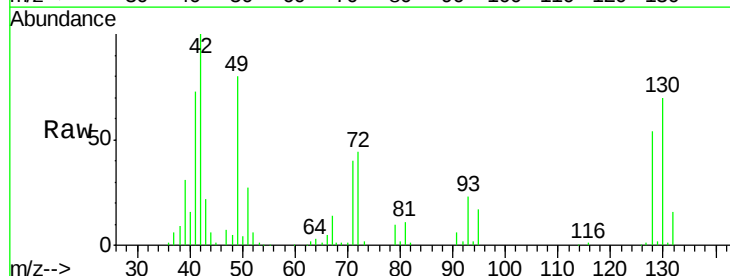
Tgt Ion: 49 Resp: 108067

Ion Ratio Lower Upper

49 100

129 1.3 0.0 4.0

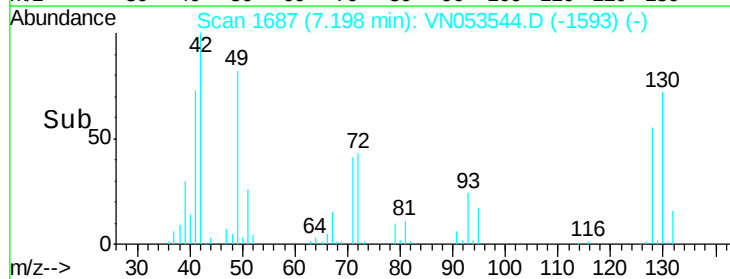
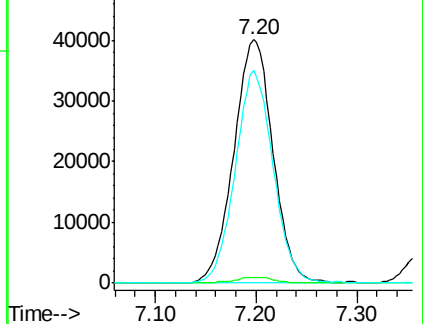
130 84.5 66.3 99.5

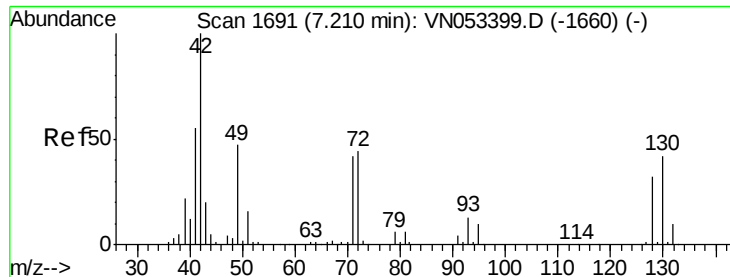


Abundance Ion 48.90 (48.60 to 49.60): VN053399.D (-1664) (-)

Ion 128.80 (128.50 to 129.50): VN053399.D (-1664) (-)

Ion 129.80 (129.50 to 130.50): VN053399.D (-1664) (-)





#29

Tetrahydrofuran

Concen: 124.396 ug/l

RT: 7.21 min Scan# 1691

Delta R.T. 0.00 min

Lab File: VN053544.D

Acq: 28 Jan 2019 14:35

Instrument :

MSVOA_N

ClientSampleId :

VN0128WBSD01

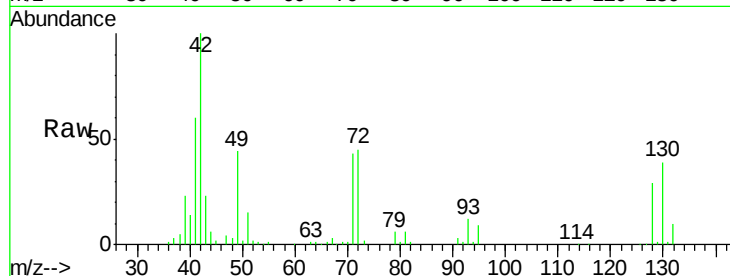
Tot Ion: 42 Resp: 199529

Ion Ratio Lower Upper

42 100

72 45.2 35.2 52.8

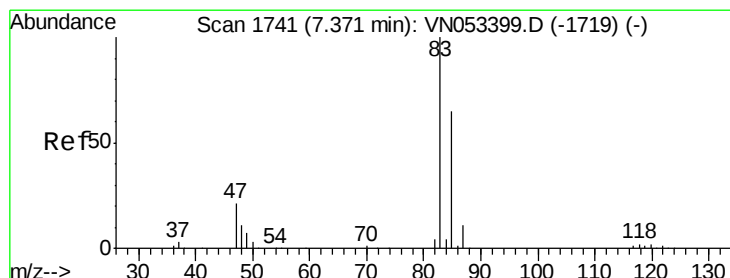
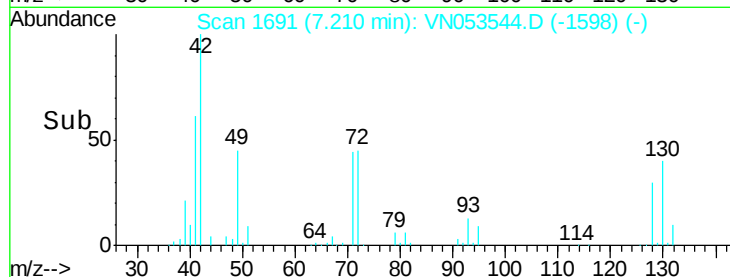
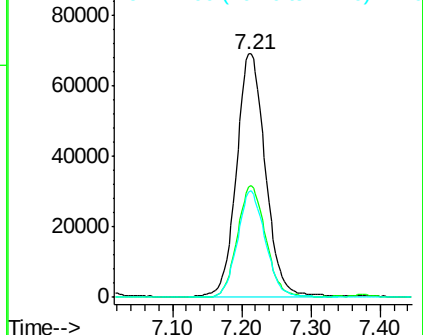
71 42.3 33.0 49.4



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 22.648 ug/l

RT: 7.37 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VN053544.D

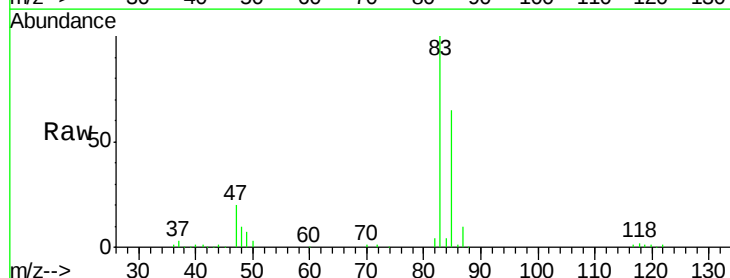
Acq: 28 Jan 2019 14:35

Tgt Ion: 83 Resp: 271522

Ion Ratio Lower Upper

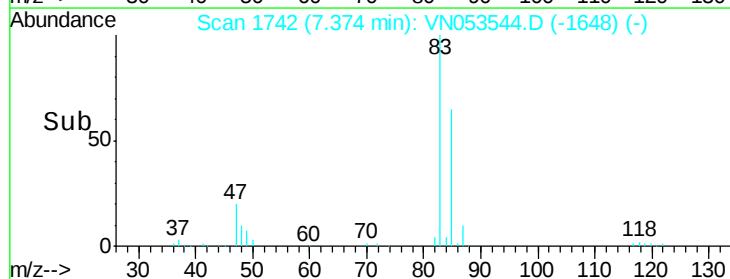
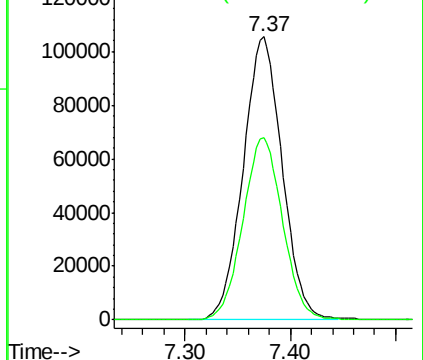
83 100

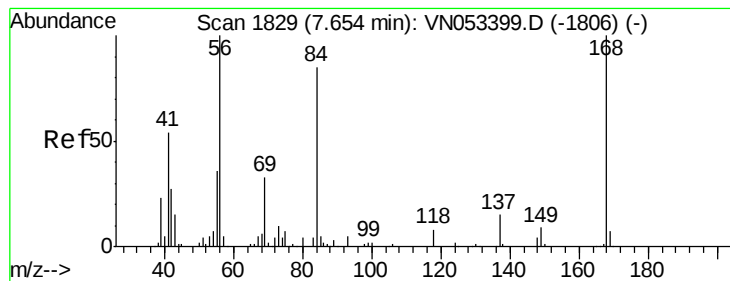
85 64.6 52.2 78.2



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 20.065 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN053544.D

Acq: 28 Jan 2019 14:35

Instrument :

MSVOA_N

ClientSampleId :

VN0128WBSD01

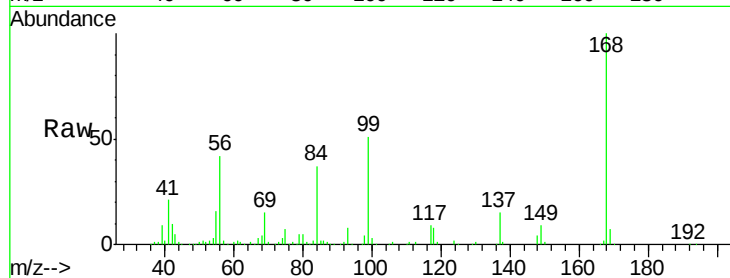
Tot Ion: 56 Resp: 241879

Ion Ratio Lower Upper

56 100

69 36.8 26.4 39.6

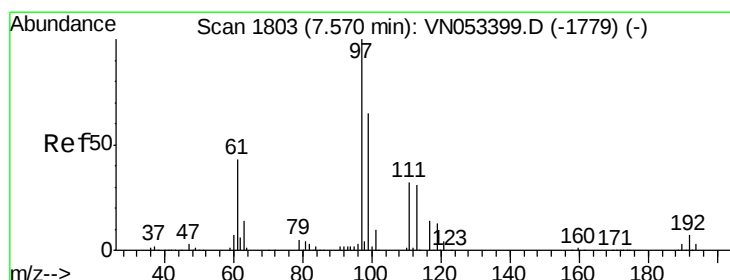
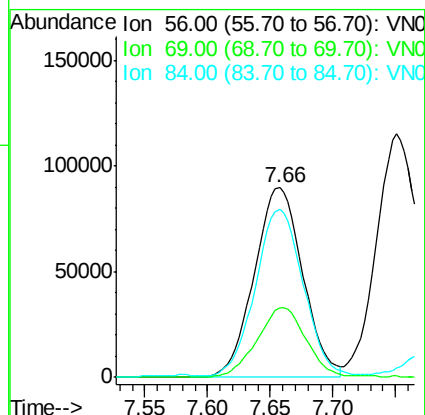
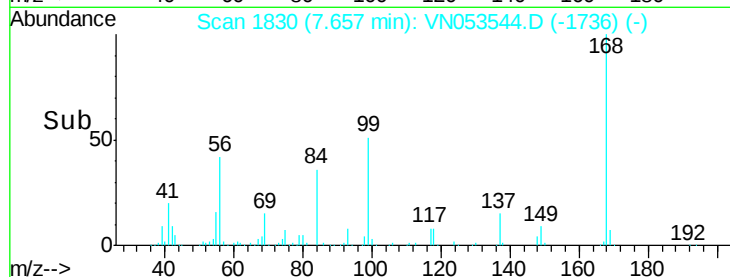
84 87.2 67.9 101.9



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 22.416 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN053544.D

Acq: 28 Jan 2019 14:35

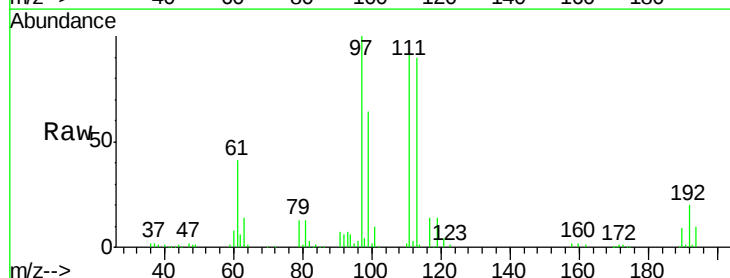
Tgt Ion: 97 Resp: 227973

Ion Ratio Lower Upper

97 100

99 62.8 52.0 78.0

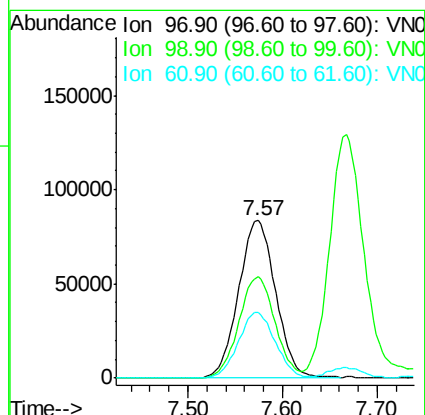
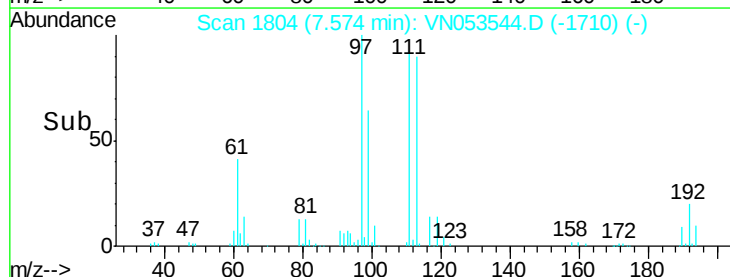
61 41.4 34.4 51.6

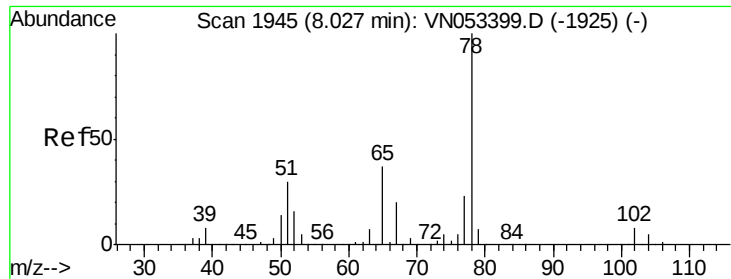


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

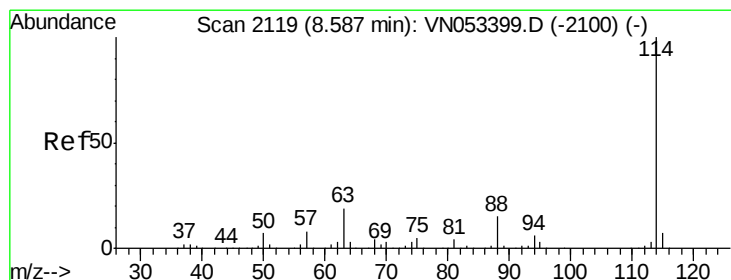
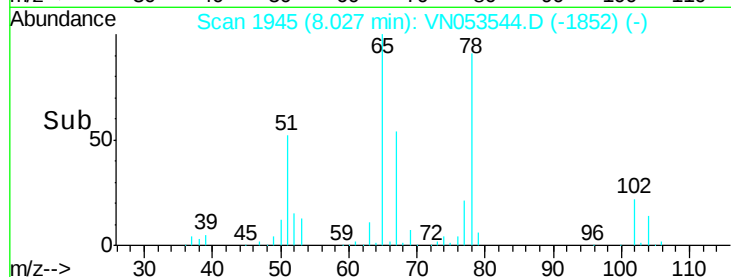
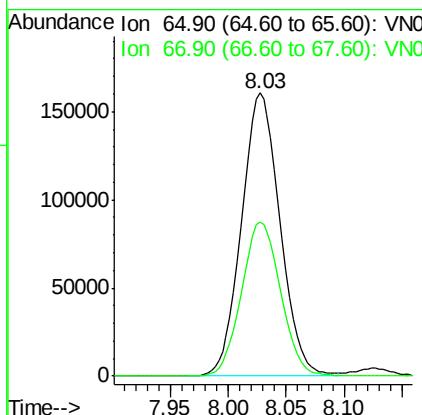
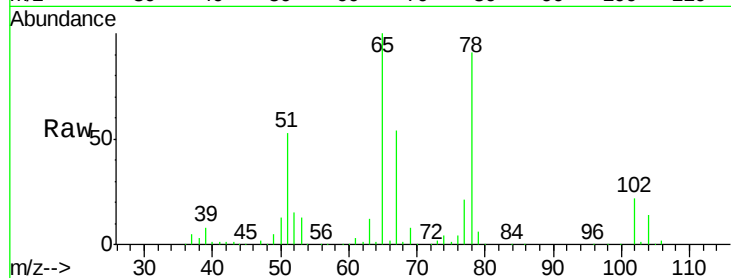




#33
 1,2-Dichloroethane-d4
 Concen: 22.416 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN053544.D
 Acq: 28 Jan 2019 14:35

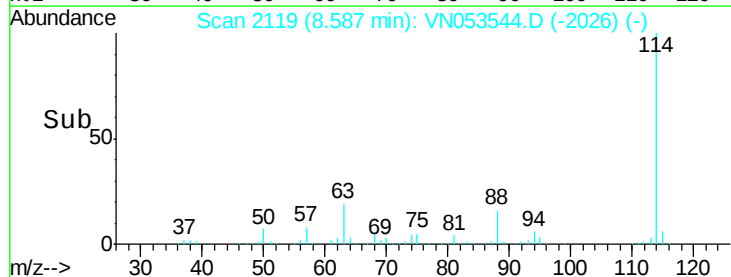
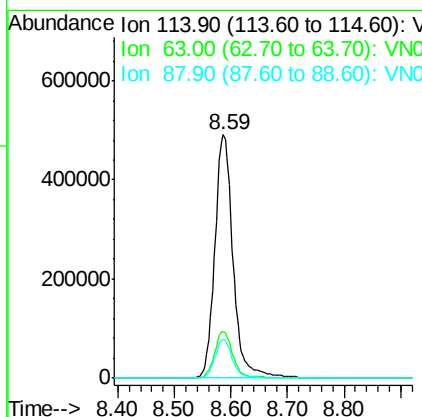
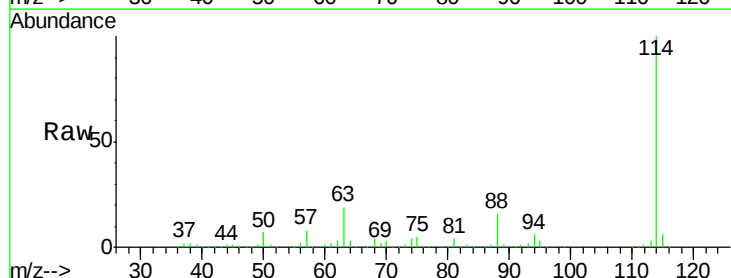
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0128WBSD01

Tot Ion: 65 Resp: 371567
 Ion Ratio Lower Upper
 65 100
 67 55.3 0.0 111.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053544.D
 Acq: 28 Jan 2019 14:35

Tgt Ion: 114 Resp: 1098576
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 38.6
 88 15.9 0.0 30.4

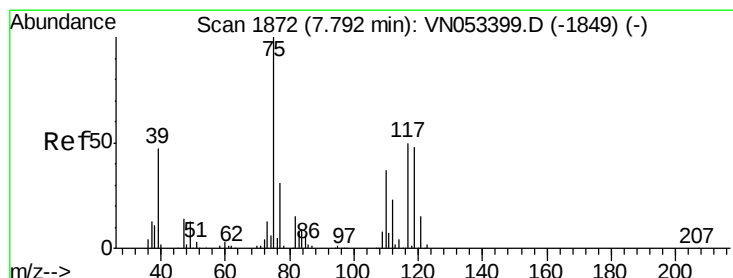
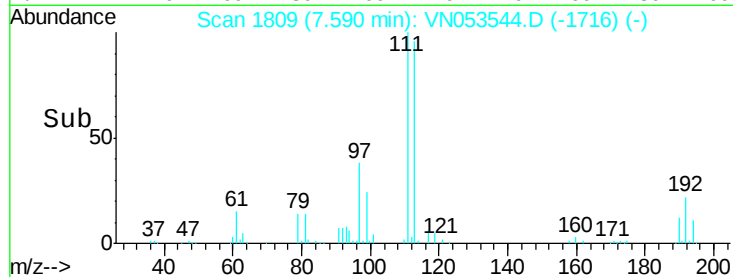
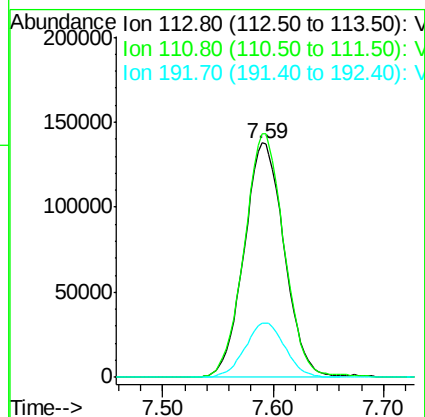
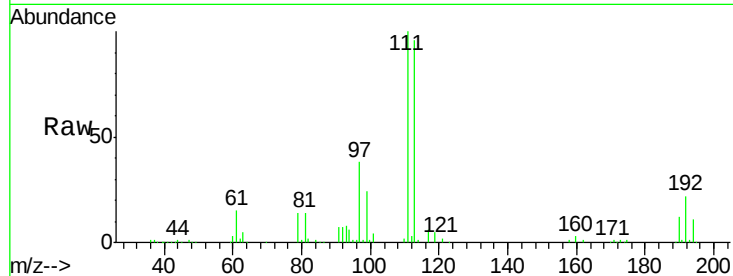




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN053544.D
 Acq: 28 Jan 2019 14:35

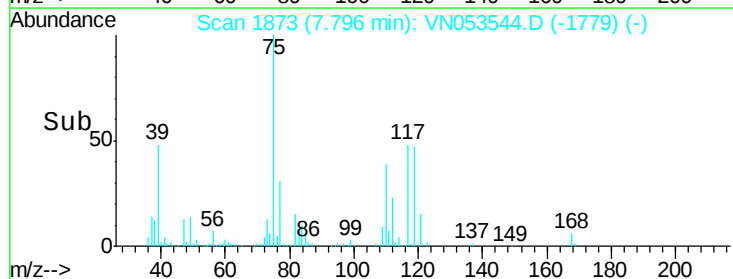
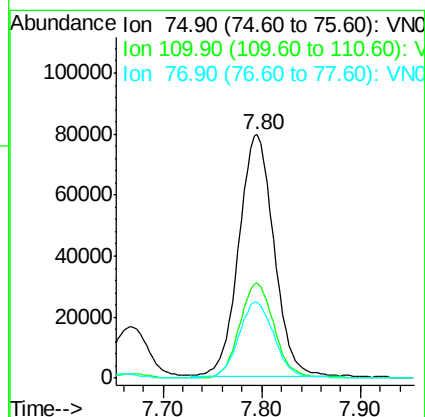
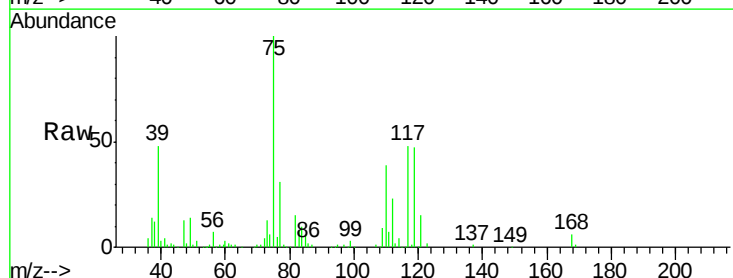
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0128WBSD01

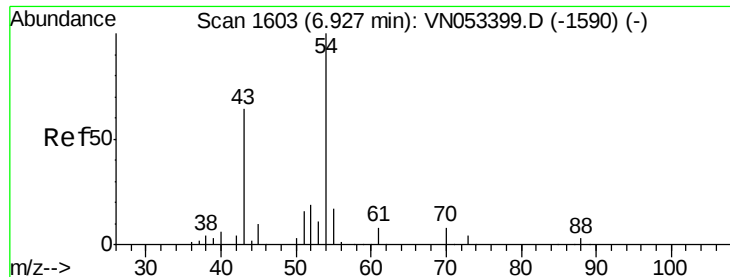
Tot Ion:113 Resp: 347207
 Ion Ratio Lower Upper
 113 100
 111 103.7 81.1 121.7
 192 23.3 18.2 27.2



#36
 1,1-Dichloropropene
 Concen: 19.570 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN053544.D
 Acq: 28 Jan 2019 14:35

Tgt Ion: 75 Resp: 195800
 Ion Ratio Lower Upper
 75 100
 110 38.7 18.1 54.3
 77 32.1 25.1 37.7

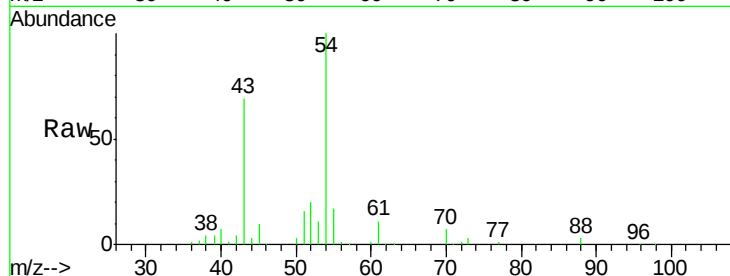




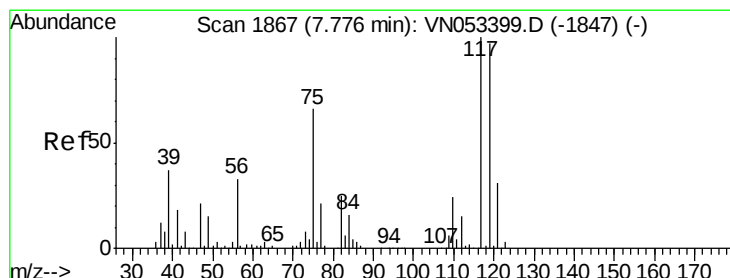
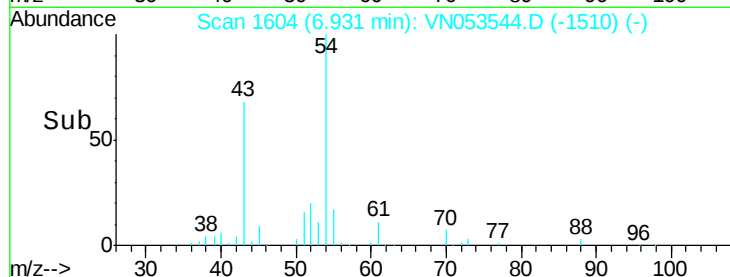
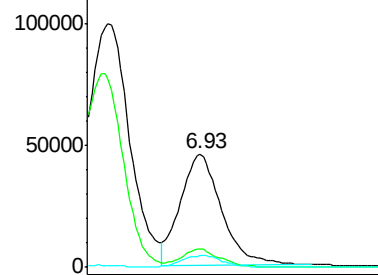
#37
Ethyl Acetate
Concen: 23.314 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN053544.D
Acq: 28 Jan 2019 14:35

Instrument :
MSVOA_N
ClientSampled :
VN0128WBSD01

Tot Ion: 43 Resp: 134198
Ion Ratio Lower Upper
43 100
61 14.7 11.8 17.6
70 10.5 8.6 12.8

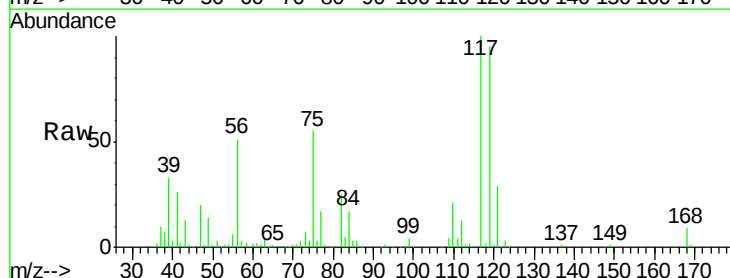


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

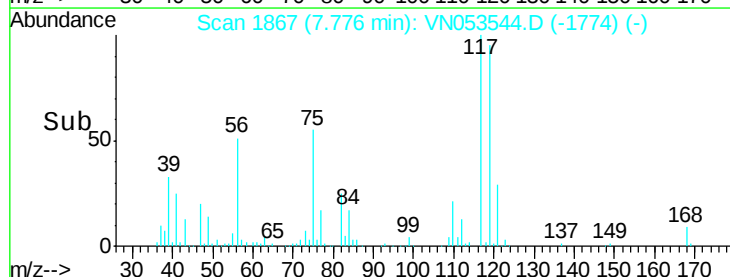
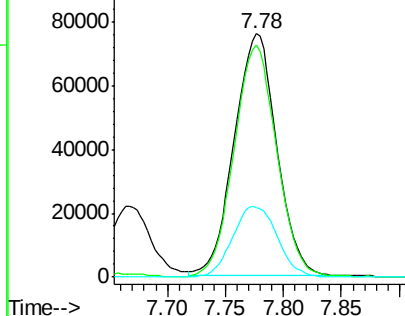


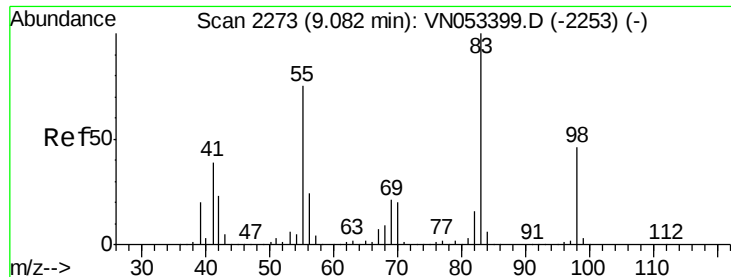
#38
Carbon Tetrachloride
Concen: 20.467 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN053544.D
Acq: 28 Jan 2019 14:35

Tgt Ion: 117 Resp: 193861
Ion Ratio Lower Upper
117 100
119 95.4 77.2 115.8
121 28.7 24.6 37.0



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

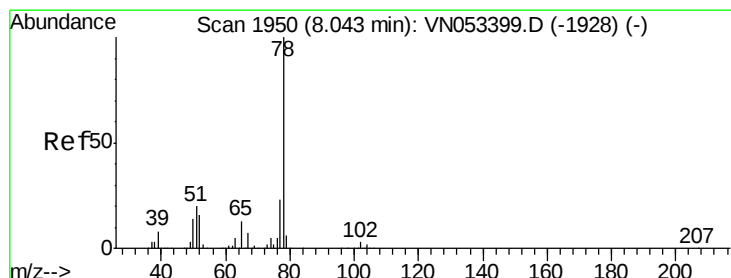
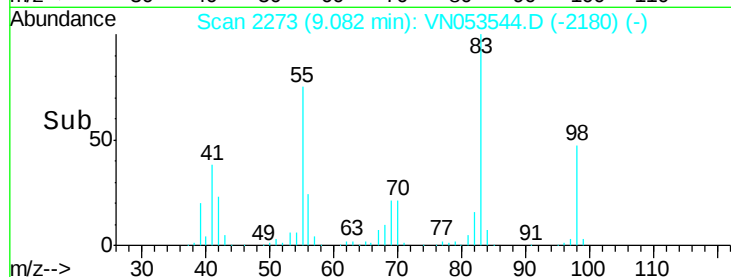
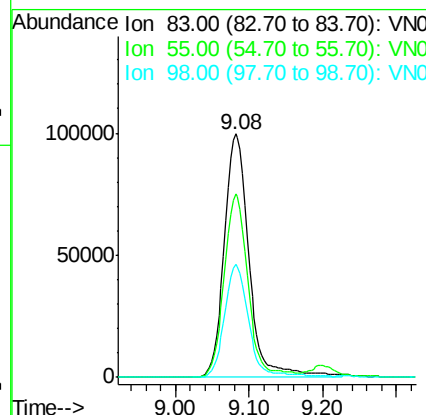
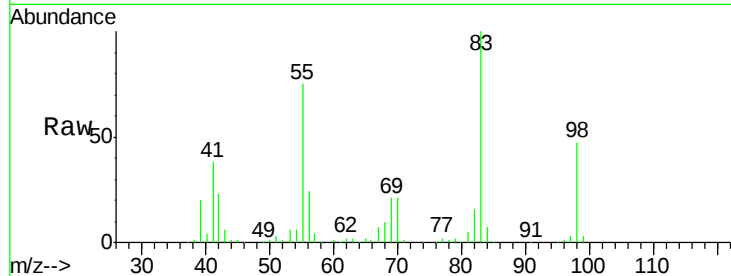




#39
Methvlcvclohexane
Concen: 18.918 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN053544.D
Acq: 28 Jan 2019 14:35

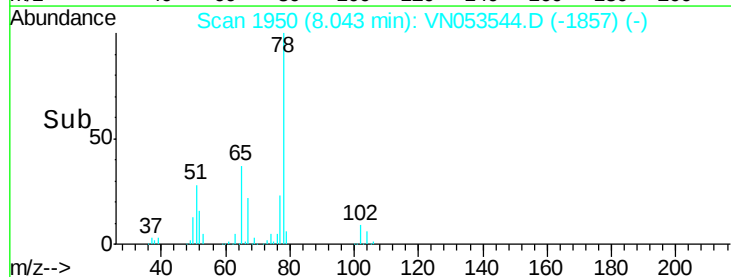
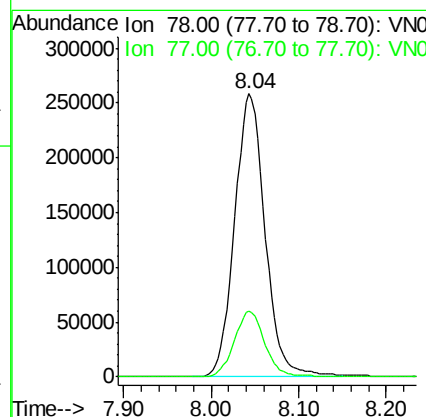
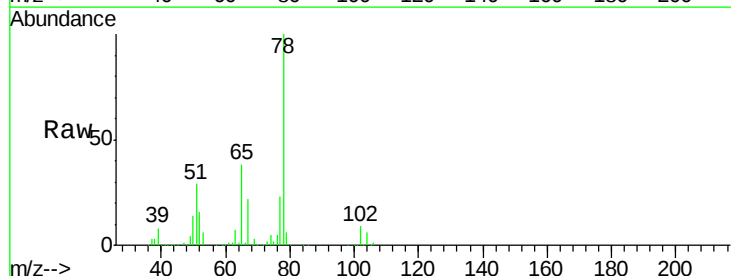
Instrument :
MSVOA_N
ClientSampleId :
VN0128WBSD01

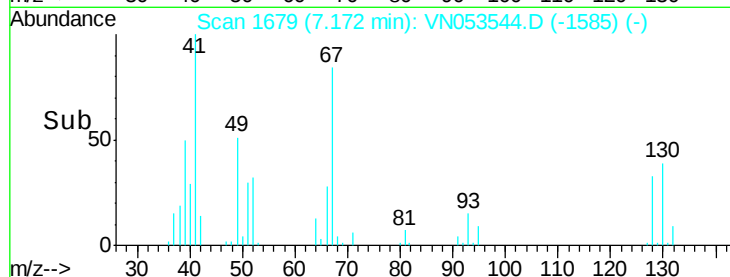
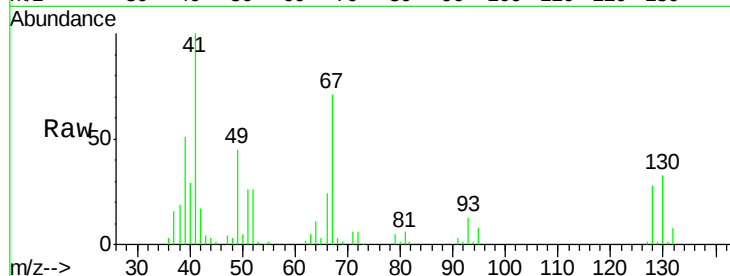
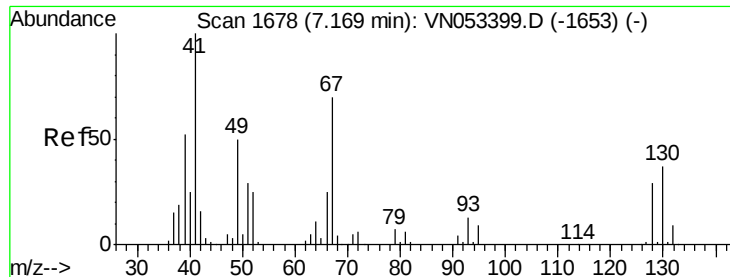
Tot Ion	83	Resp	233936
Ion	Ratio	Lower	Upper
83	100		
55	75.3	60.1	90.1
98	46.6	36.6	55.0



#40
Benzene
Concen: 20.582 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053544.D
Acq: 28 Jan 2019 14:35

Tgt Ion	78	Resp	625762
Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.8	28.2

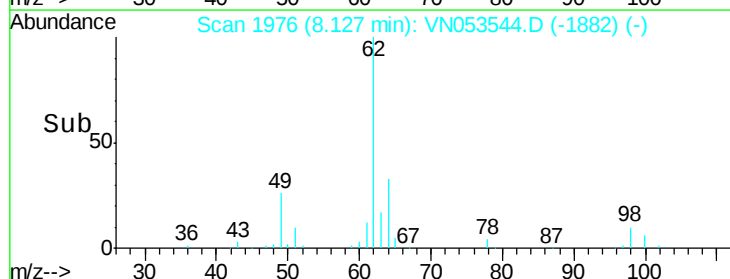
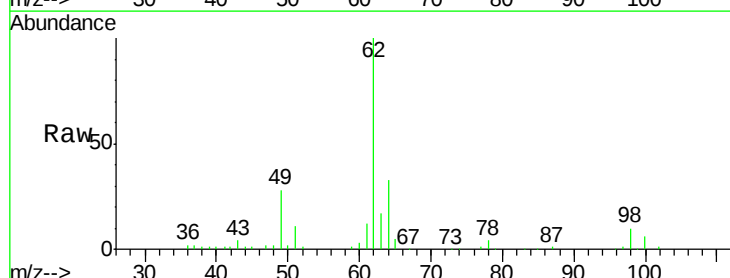
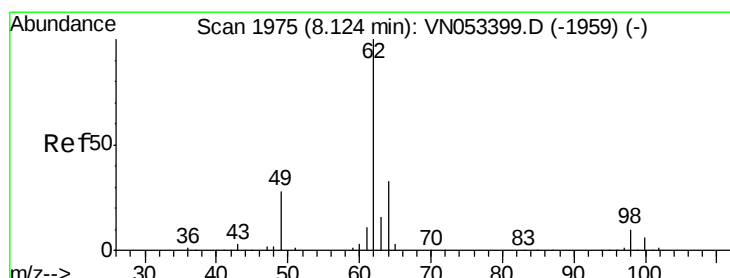
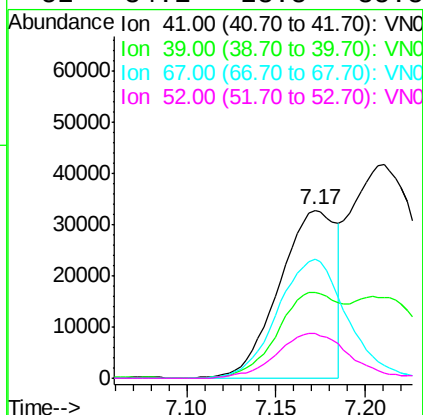




#41
Methacrylonitrile
Concen: 21.677 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN053544.D
Acq: 28 Jan 2019 14:35

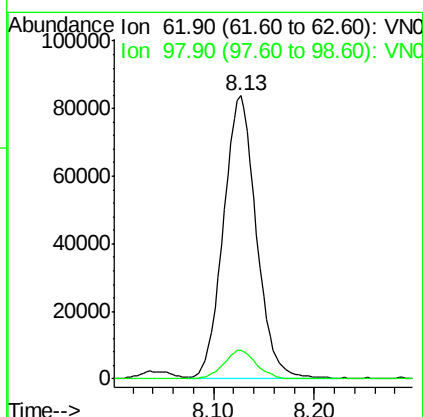
Instrument :
MSVOA_N
ClientSampleId :
VN0128WBSD01

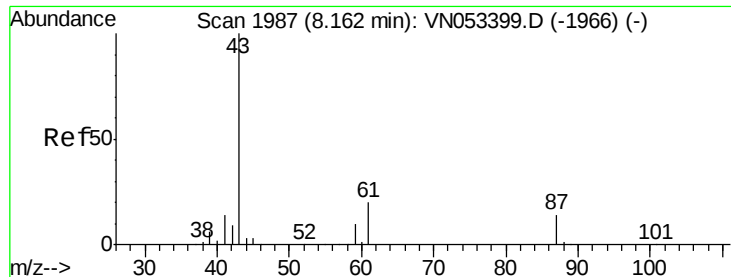
Tot Ion: 41 Resp: 72833
Ion Ratio Lower Upper
41 100
39 59.5 46.8 70.2
67 86.0 63.0 94.6
52 34.1 23.8 35.8



#42
1,2-Dichloroethane
Concen: 21.361 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN053544.D
Acq: 28 Jan 2019 14:35

Tgt Ion: 62 Resp: 189200
Ion Ratio Lower Upper
62 100
98 10.1 0.0 19.6





#43

Isopropyl Acetate

Concen: 25.886 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN053544.D

Acq: 28 Jan 2019 14:35

Instrument :

MSVOA_N

ClientSampleId :

VN0128WBSD01

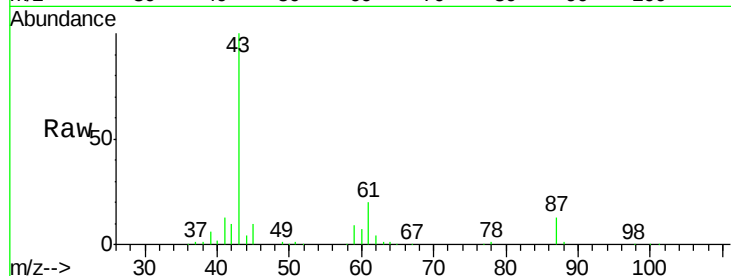
Tot Ion: 43 Resp: 267920

Ion Ratio Lower Upper

43 100

61 18.8 23.9 35.9#

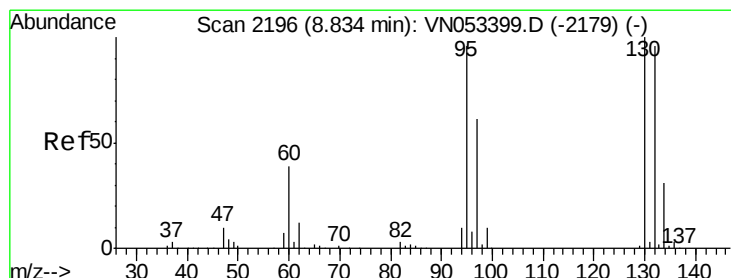
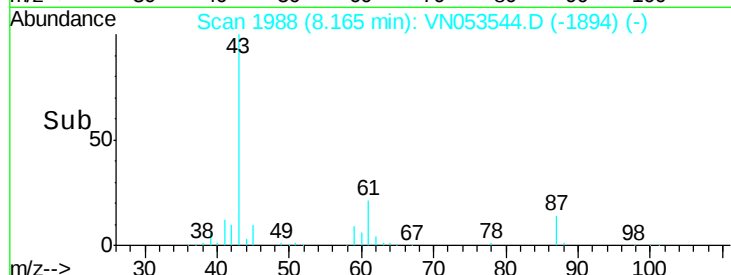
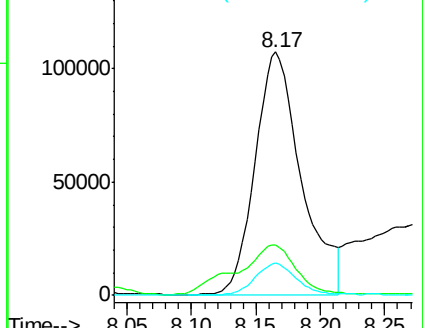
87 11.9 11.0 16.6



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: 20.916 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN053544.D

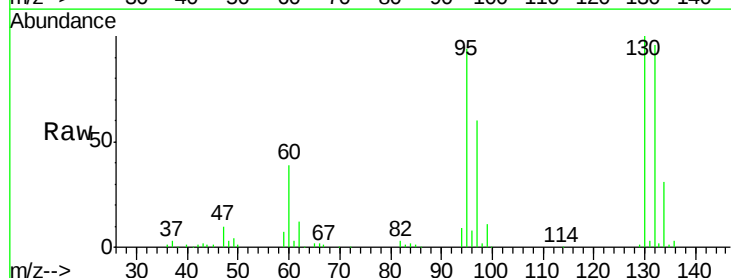
Acq: 28 Jan 2019 14:35

Tgt Ion:130 Resp: 176349

Ion Ratio Lower Upper

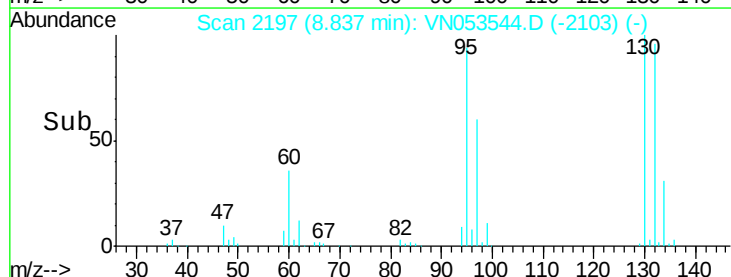
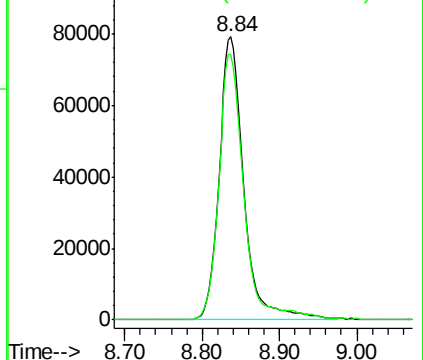
130 100

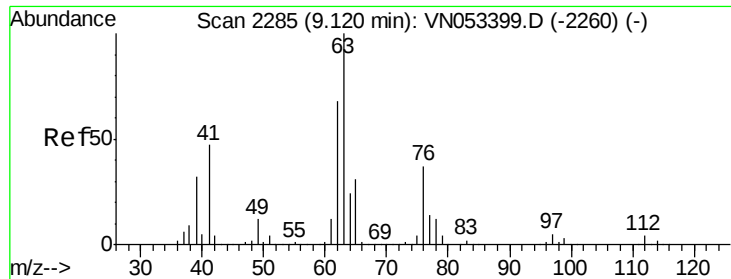
95 93.7 0.0 191.4



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

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





#45

1,2-Dichloropropane

Concen: 20.921 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN053544.D

Acq: 28 Jan 2019 14:35

Instrument :

MSVOA_N

ClientSampleId :

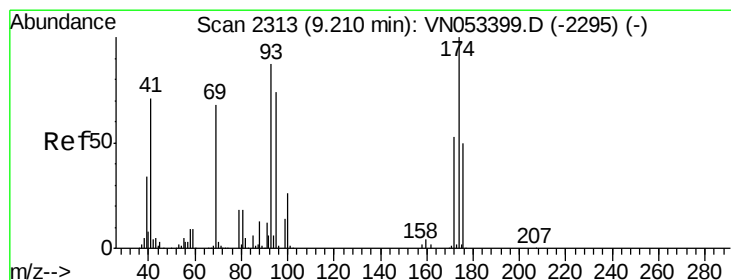
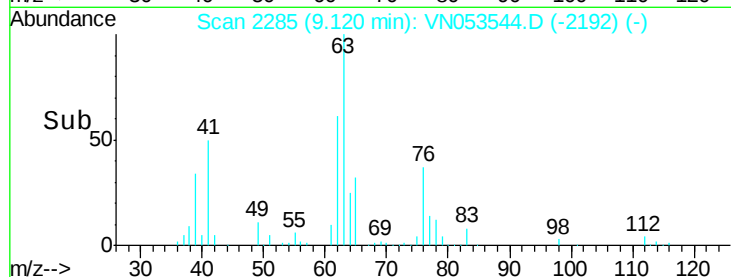
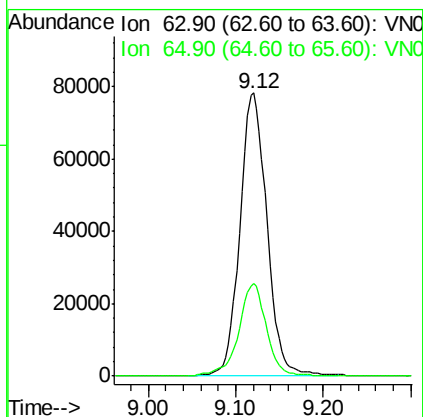
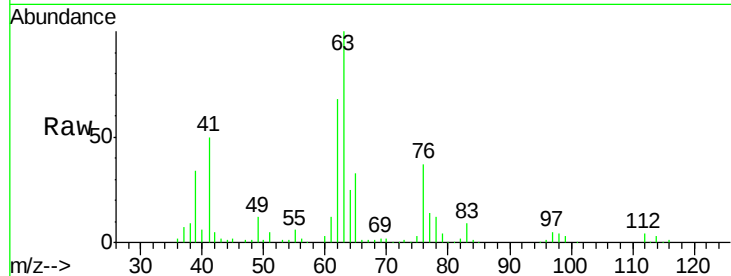
VN0128WBSD01

Tot Ion: 63 Resp: 168470

Ion Ratio Lower Upper

63 100

65 32.9 25.0 37.4



#46

Dibromomethane

Concen: 20.956 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN053544.D

Acq: 28 Jan 2019 14:35

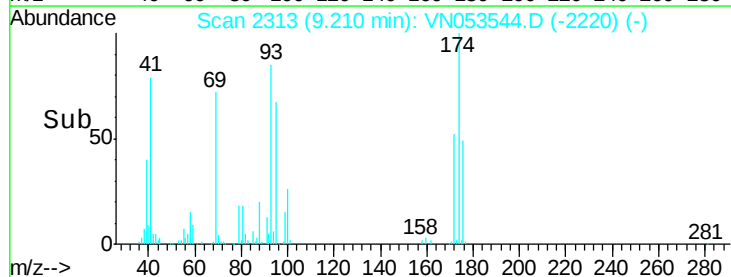
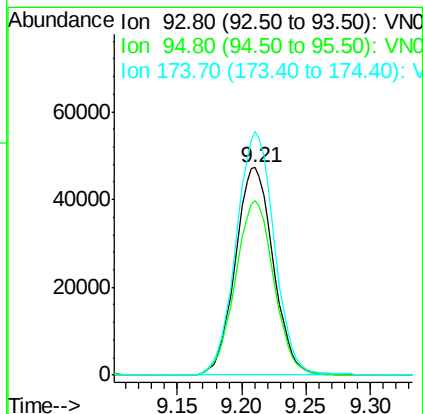
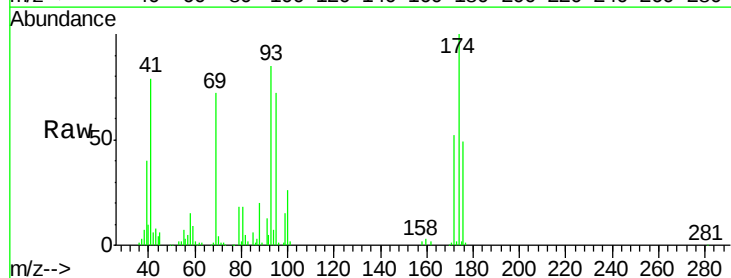
Tgt Ion: 93 Resp: 96955

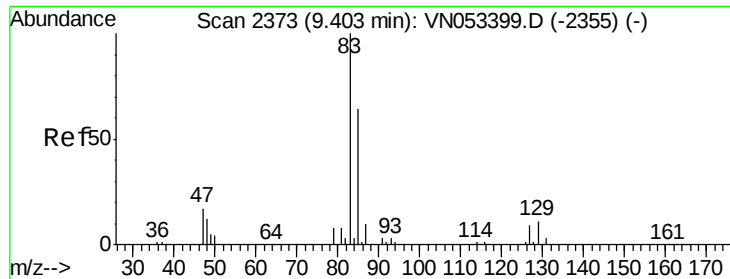
Ion Ratio Lower Upper

93 100

95 85.5 67.3 100.9

174 117.8 91.0 136.4





#47

Bromodichloromethane

Concen: 21.141 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN053544.D

Acq: 28 Jan 2019 14:35

Instrument :

MSVOA_N

ClientSampled :

VN0128WBSD01

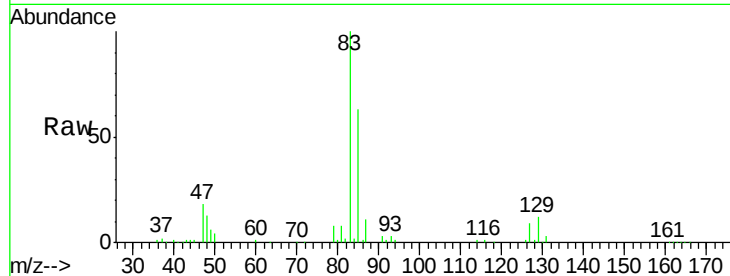
Tot Ion: 83 Resp: 205695

Ion Ratio Lower Upper

83 100

85 63.2 51.0 76.6

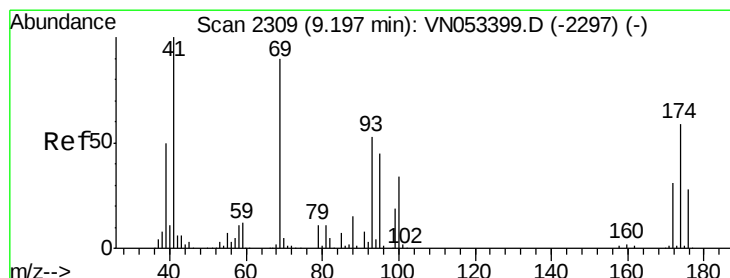
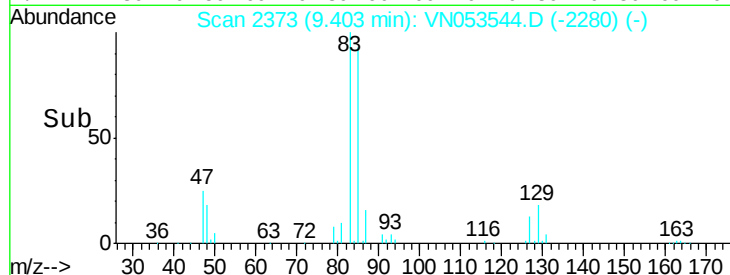
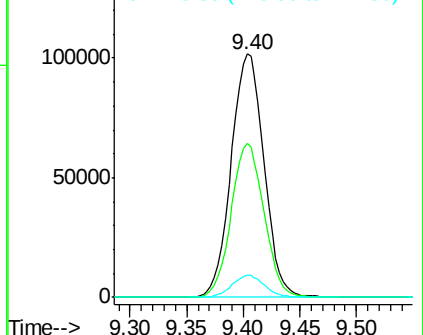
127 9.0 7.0 10.6



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 21.017 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN053544.D

Acq: 28 Jan 2019 14:35

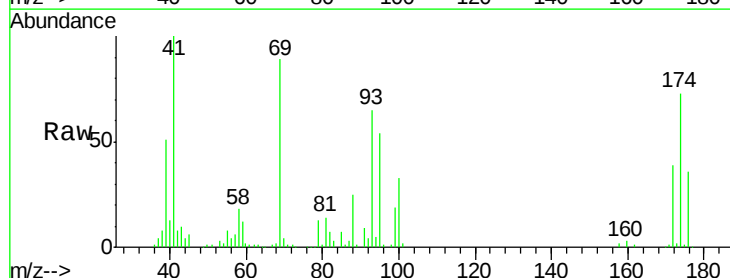
Tgt Ion: 41 Resp: 112313

Ion Ratio Lower Upper

41 100

69 97.1 73.8 110.6

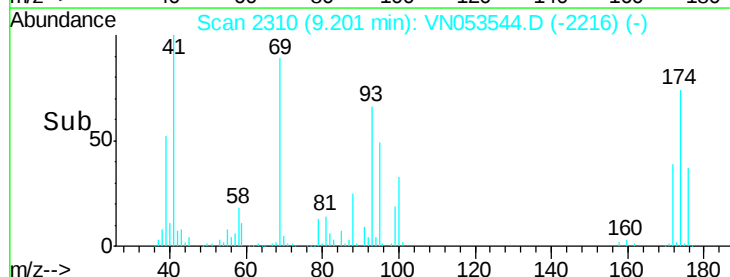
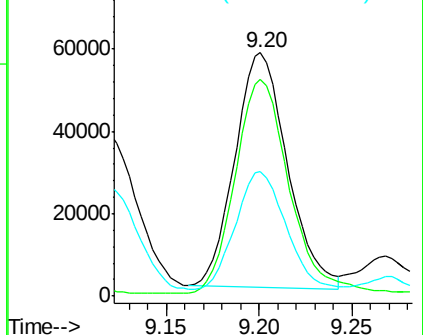
39 54.5 40.0 60.0

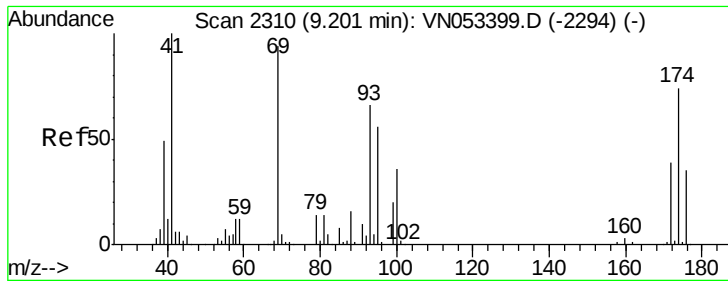


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#49

1,4-Dioxane

Concen: 609.569 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN053544.D

Acq: 28 Jan 2019 14:35

Instrument :

MSVOA_N

ClientSampleId :

VN0128WBSD01

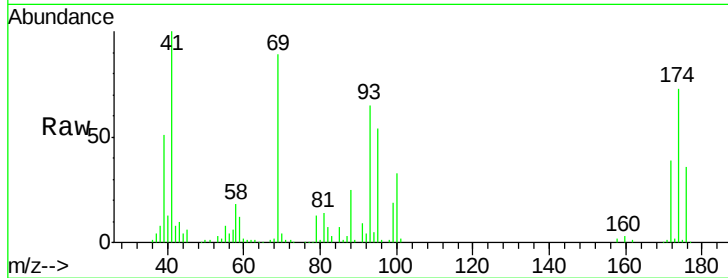
Tot Ion: 88 Resp: 31814

Ion Ratio Lower Upper

88 100

43 30.6 27.8 41.6

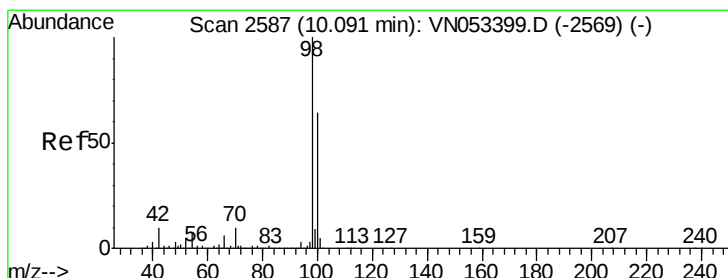
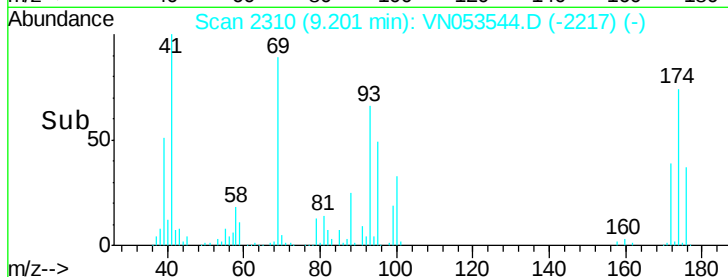
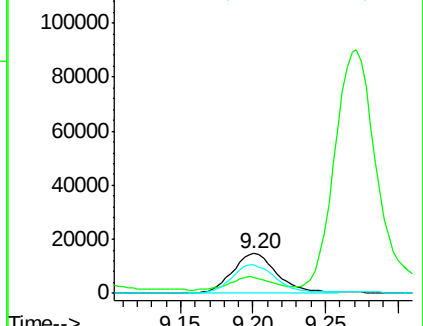
58 72.0 56.5 84.7



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

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

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



#50

Toluene-d8

Concen: 609.569 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053544.D

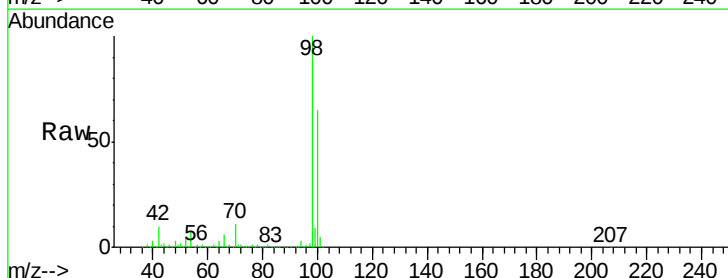
Acq: 28 Jan 2019 14:35

Tgt Ion: 98 Resp: 1285124

Ion Ratio Lower Upper

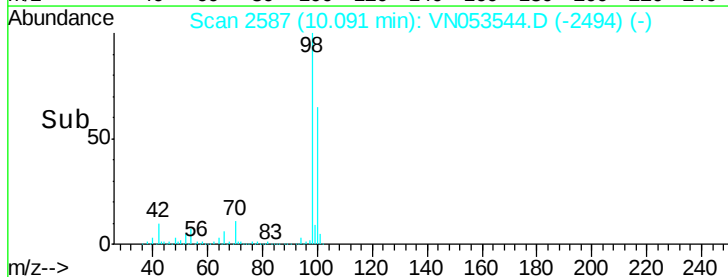
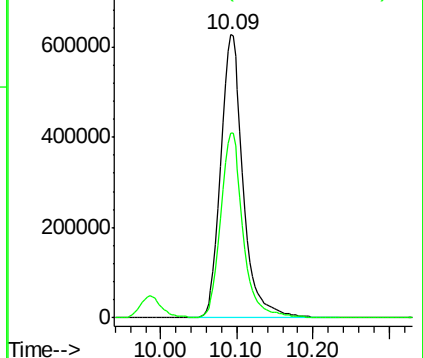
98 100

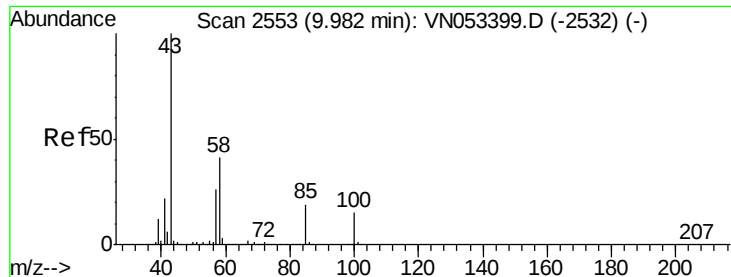
100 65.3 51.4 77.0



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

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

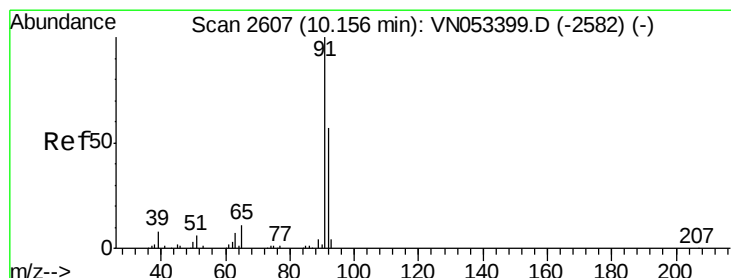
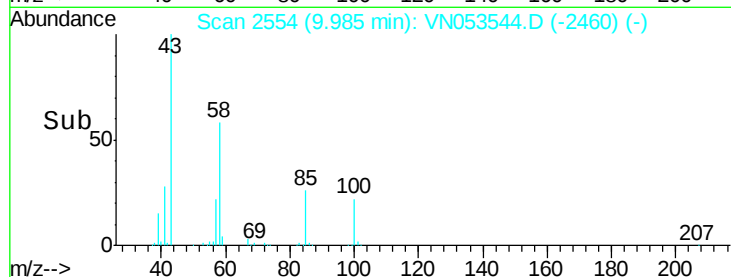
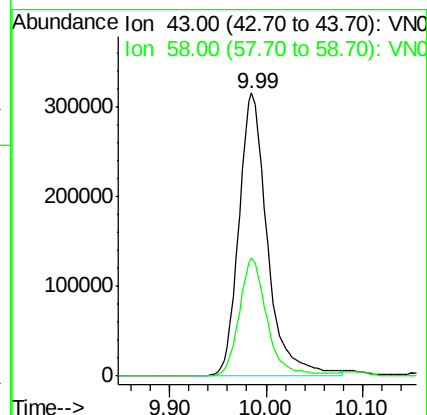
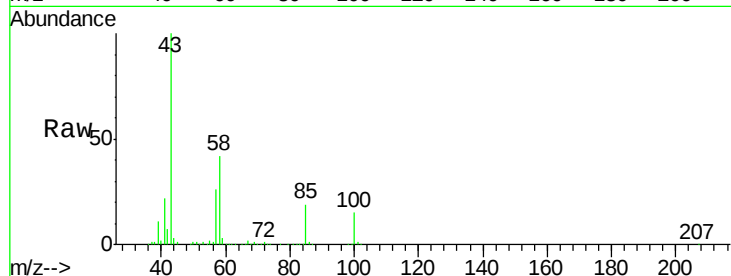




#51
4-Methyl-2-Pentanone
Concen: 113.140 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN053544.D
Acq: 28 Jan 2019 14:35

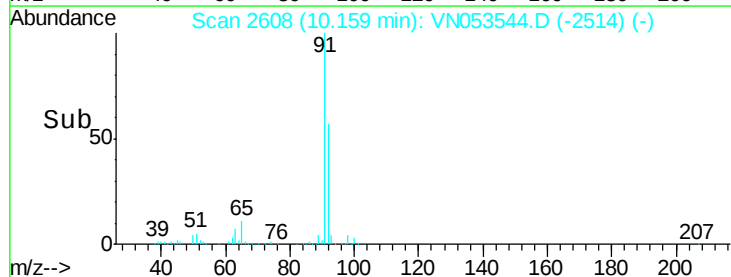
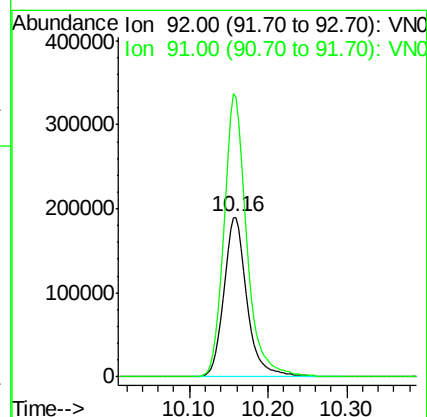
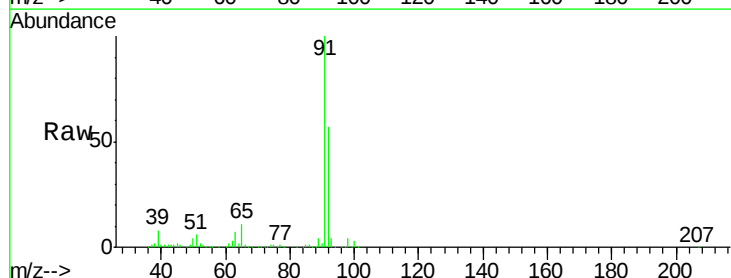
Instrument :
MSVOA_N
ClientSampleId :
VN0128WBSD01

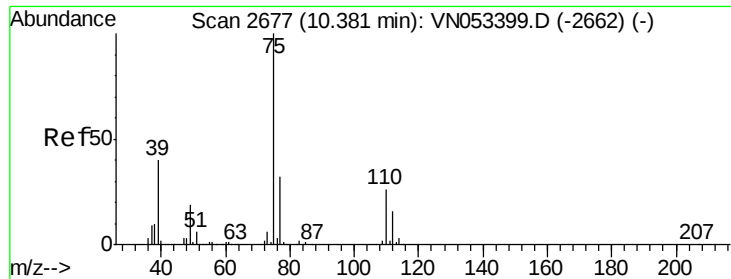
Tot Ion: 43 Resp: 639248
Ion Ratio Lower Upper
43 100
58 41.0 32.8 49.2



#52
Toluene
Concen: 20.403 ug/l
RT: 10.16 min Scan# 2608
Delta R.T. 0.00 min
Lab File: VN053544.D
Acq: 28 Jan 2019 14:35

Tgt Ion: 92 Resp: 385096
Ion Ratio Lower Upper
92 100
91 174.1 139.9 209.9





#53

t-1,3-Dichloropropene

Concen: 21.197 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN053544.D

Acq: 28 Jan 2019 14:35

Instrument :

MSVOA_N

ClientSampled :

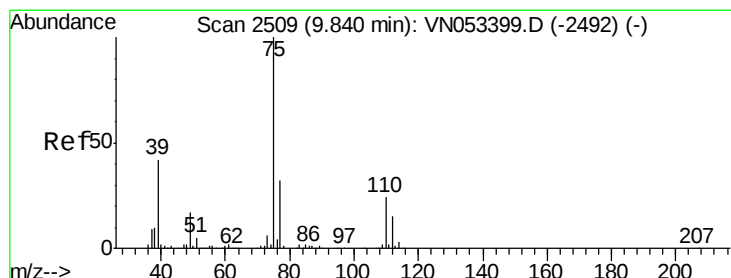
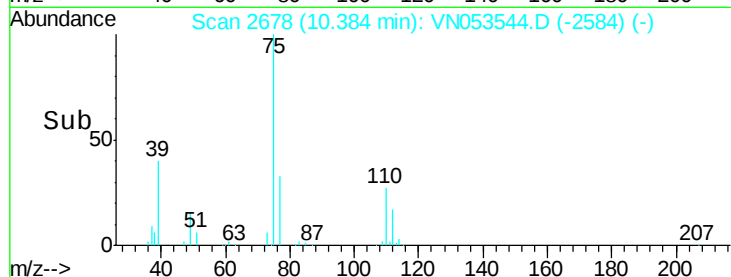
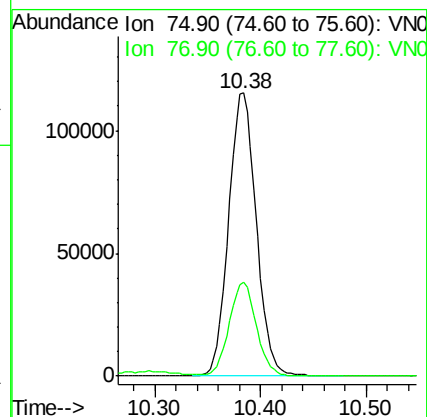
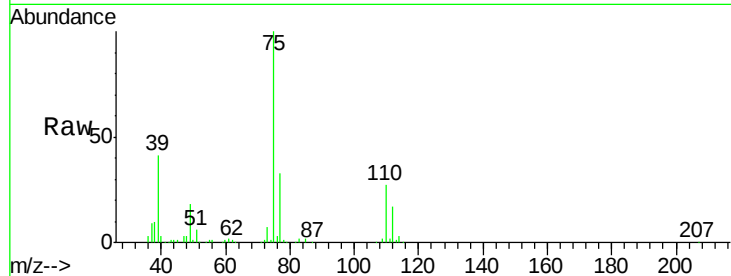
VN0128WBSD01

Tot Ion: 75 Resp: 209050

Ion Ratio Lower Upper

75 100

77 32.8 25.5 38.3



#54

cis-1,3-Dichloropropene

Concen: 21.076 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN053544.D

Acq: 28 Jan 2019 14:35

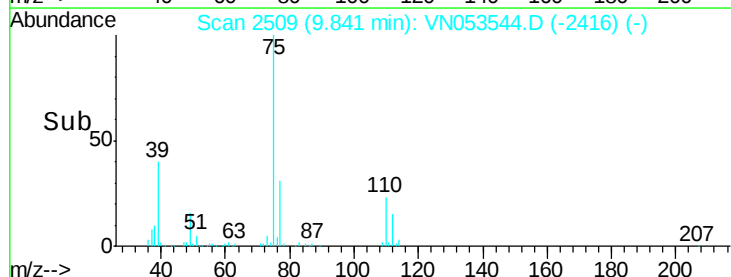
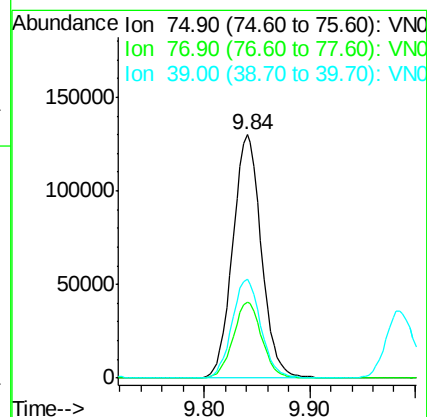
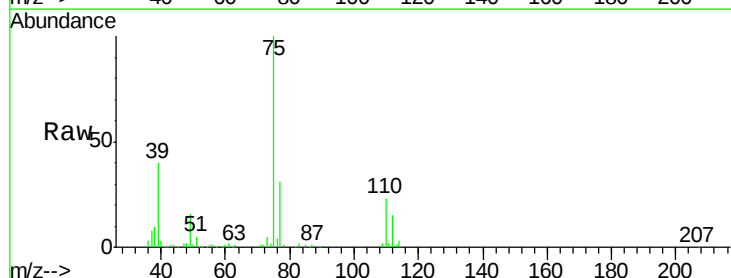
Tgt Ion: 75 Resp: 243655

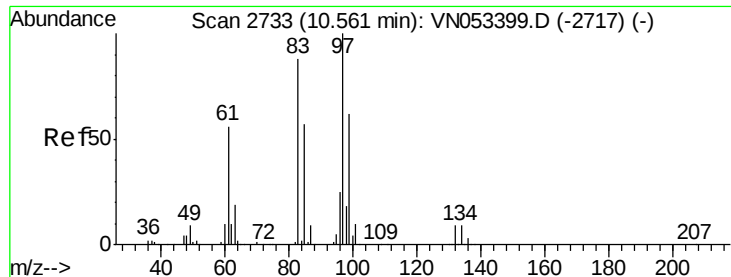
Ion Ratio Lower Upper

75 100

77 31.2 25.8 38.6

39 40.4 33.4 50.0

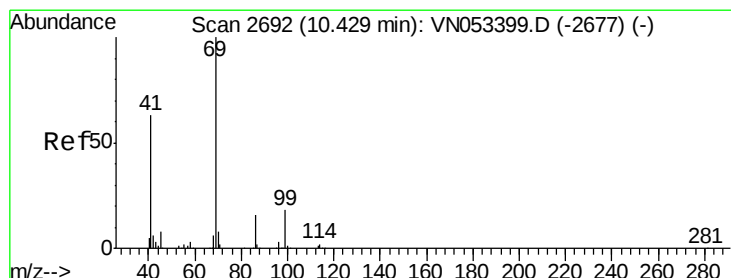
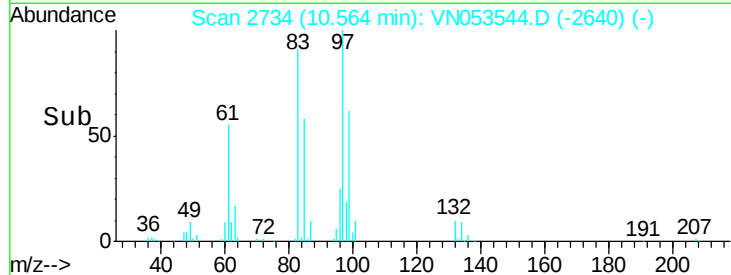
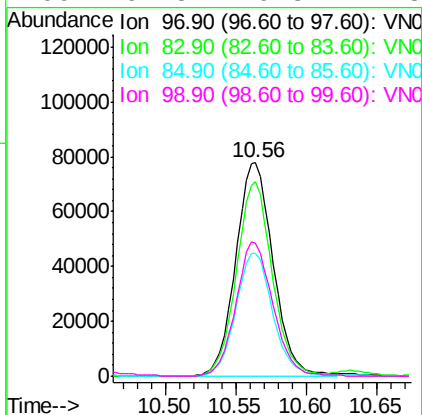
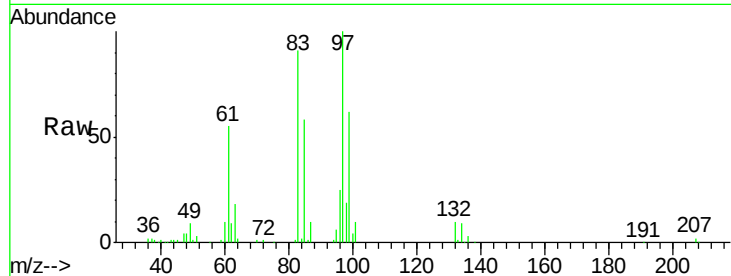




#55
 1,1,2-Trichloroethane
 Concen: 22.260 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN053544.D
 Acq: 28 Jan 2019 14:35

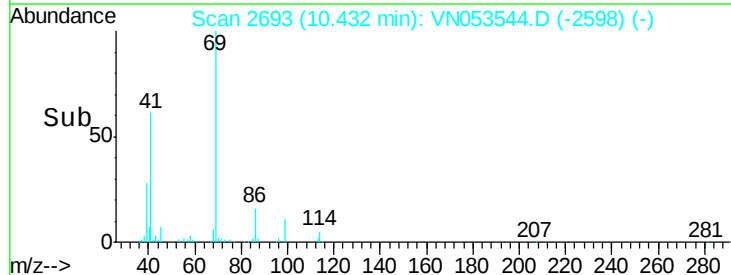
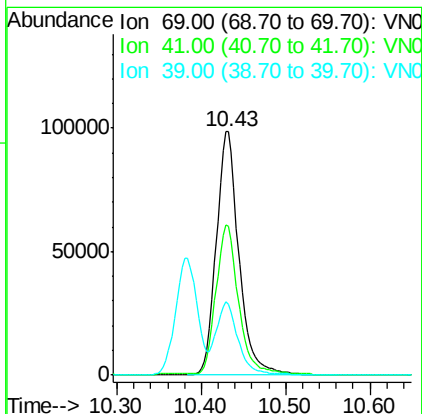
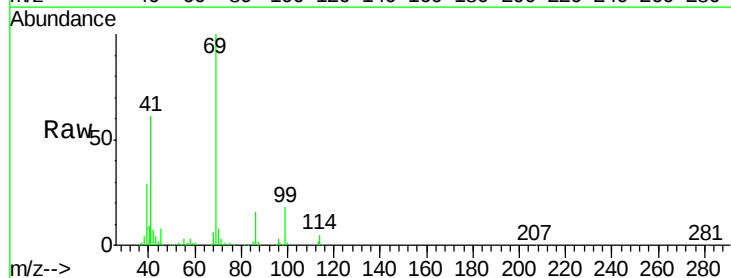
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0128WBSD01

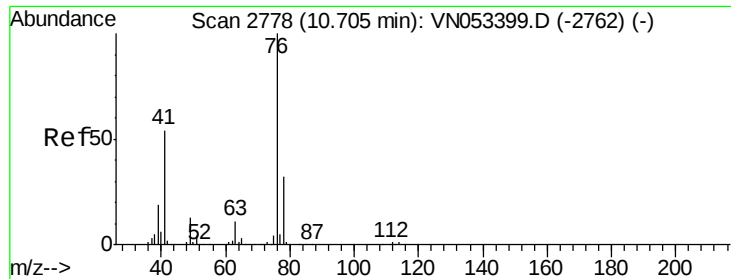
Tot Ion: 97 Resp: 144852
 Ion Ratio Lower Upper
 97 100
 83 90.9 70.1 105.1
 85 57.8 45.4 68.0
 99 62.3 49.8 74.8



#56
 Ethyl methacrylate
 Concen: 21.236 ug/l
 RT: 10.43 min Scan# 2693
 Delta R.T. 0.00 min
 Lab File: VN053544.D
 Acq: 28 Jan 2019 14:35

Tgt Ion: 69 Resp: 184712
 Ion Ratio Lower Upper
 69 100
 41 60.0 49.4 74.0
 39 28.3 23.3 34.9





#57

1,3-Dichloropropane

Concen: 21.561 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN053544.D

Acq: 28 Jan 2019 14:35

Instrument :

MSVOA_N

ClientSampled :

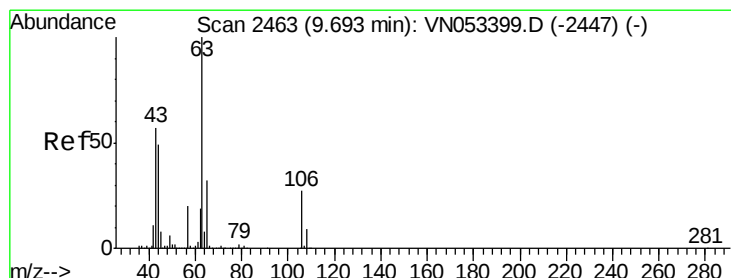
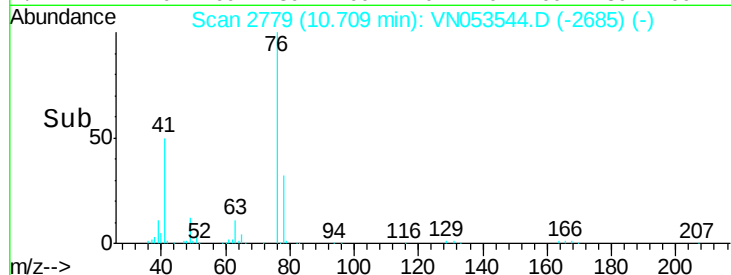
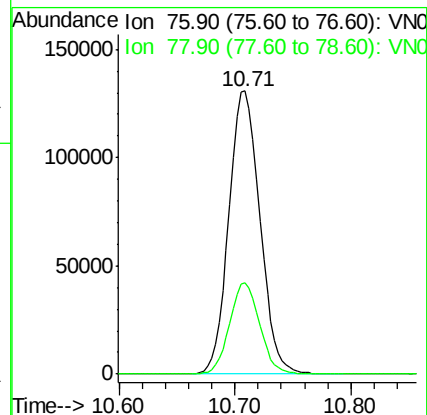
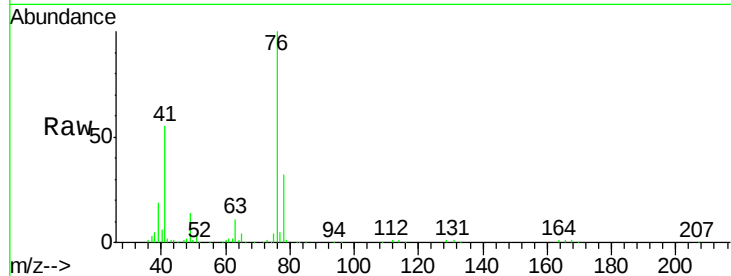
VN0128WBSD01

Tot Ion: 76 Resp: 242715

Ion Ratio Lower Upper

76 100

78 31.3 25.6 38.4



#58

2-Chloroethyl Vinyl ether

Concen: 110.339 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN053544.D

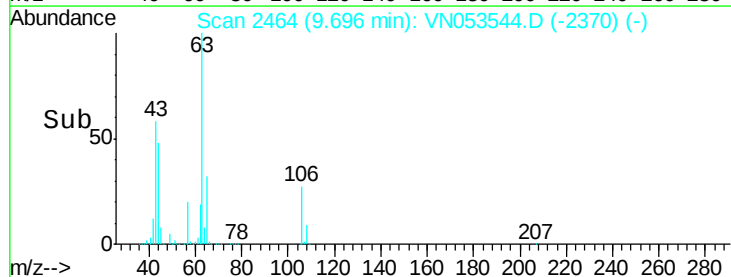
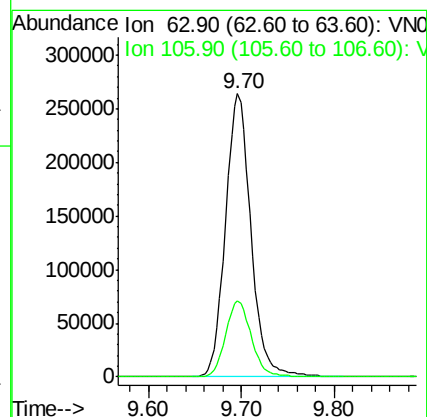
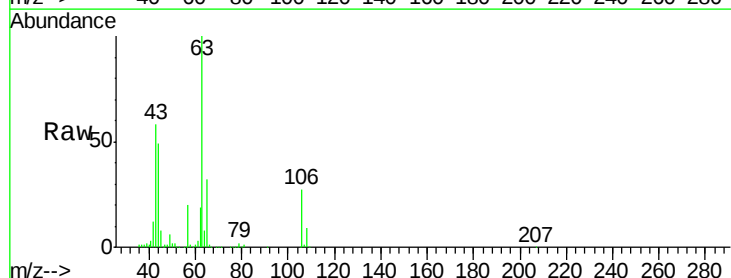
Acq: 28 Jan 2019 14:35

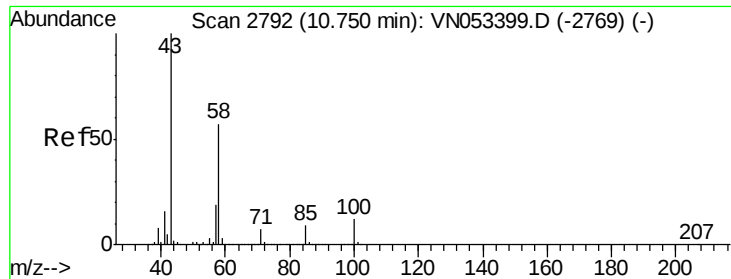
Tgt Ion: 63 Resp: 502315

Ion Ratio Lower Upper

63 100

106 27.3 21.5 32.3

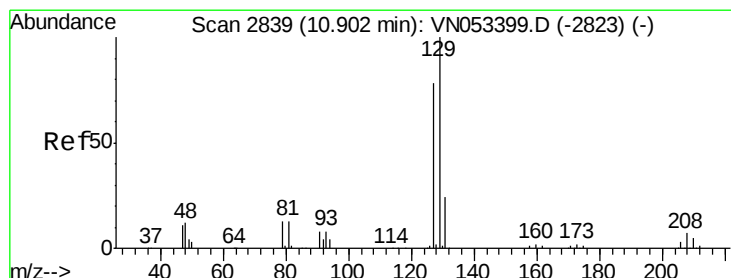
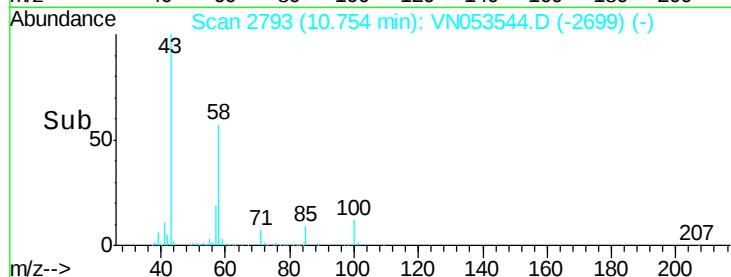
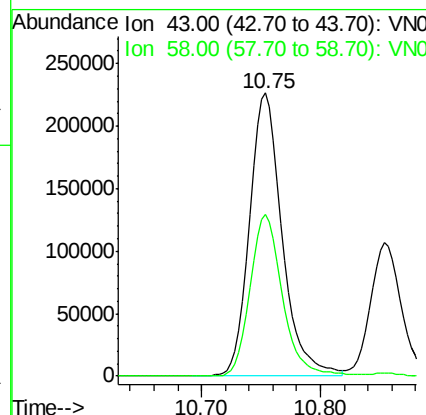
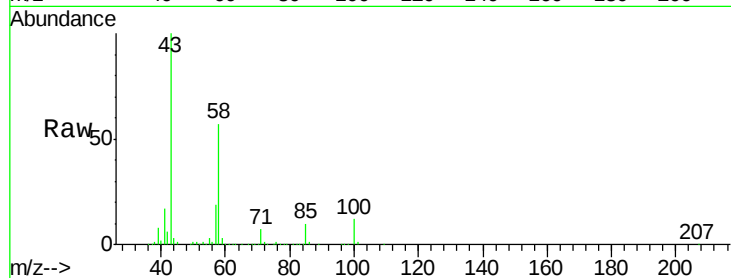




#59
2-Hexanone
Concen: 107.254 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN053544.D
Acq: 28 Jan 2019 14:35

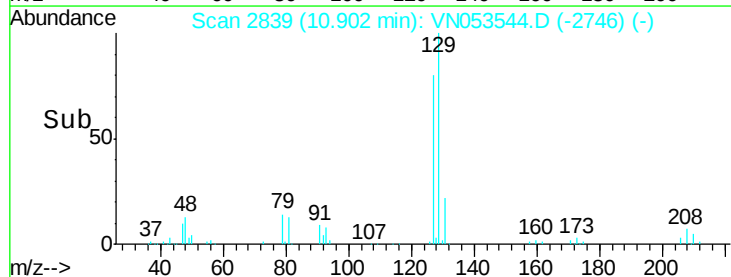
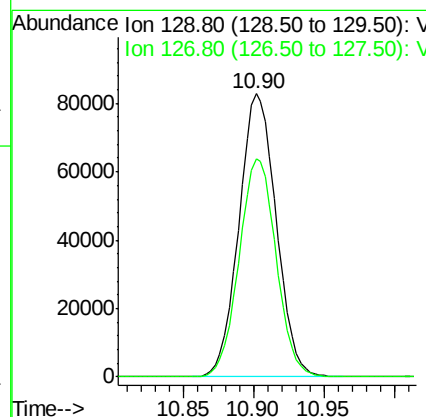
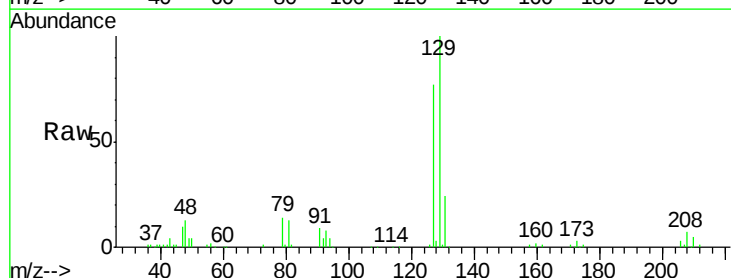
Instrument :
MSVOA_N
ClientSampleId :
VN0128WBSD01

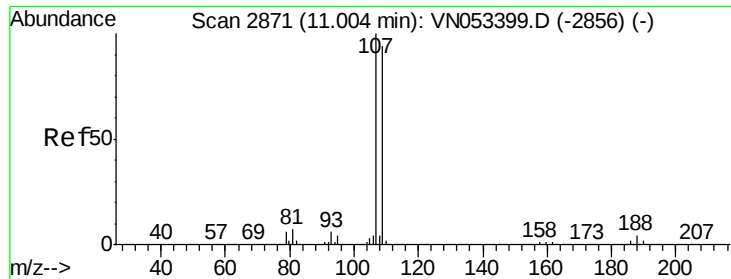
Tot Ion: 43 Resp: 425399
Ion Ratio Lower Upper
43 100
58 57.3 28.6 85.8



#60
Dibromochloromethane
Concen: 20.784 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN053544.D
Acq: 28 Jan 2019 14:35

Tgt Ion: 129 Resp: 153404
Ion Ratio Lower Upper
129 100
127 76.6 38.6 115.8

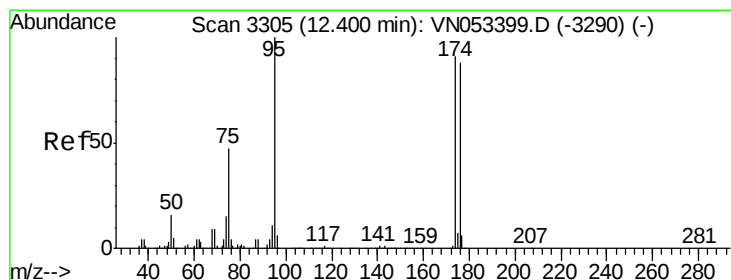
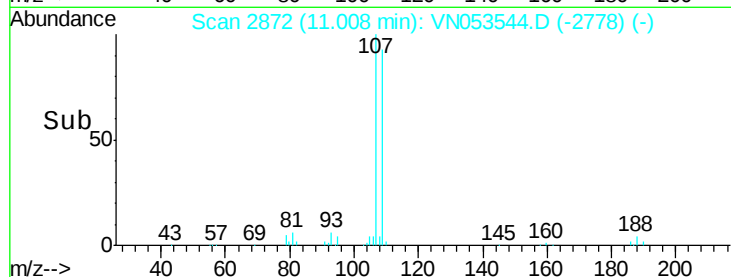
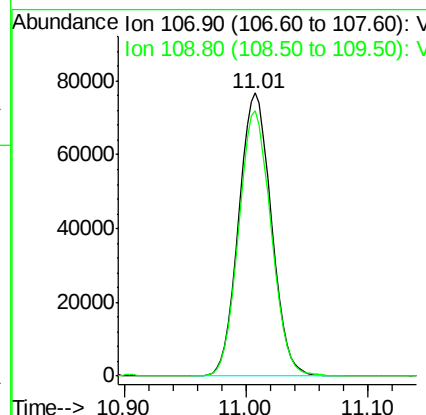
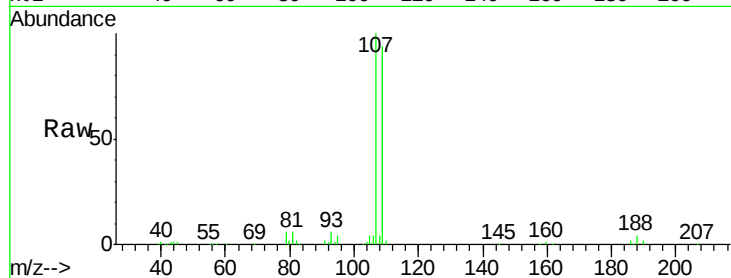




#61
 1,2-Dibromoethane
 Concen: 21.600 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN053544.D
 Acq: 28 Jan 2019 14:35

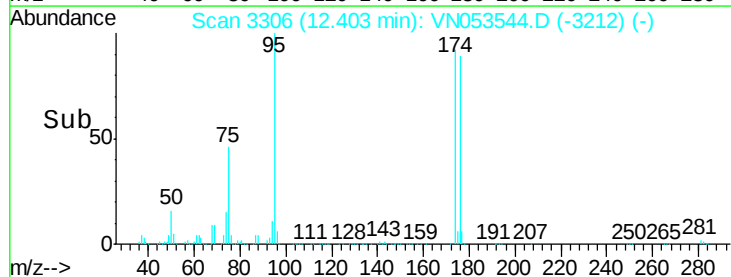
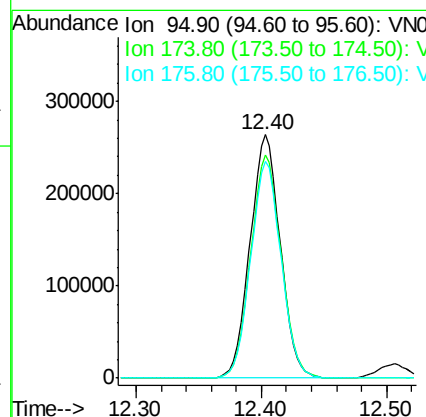
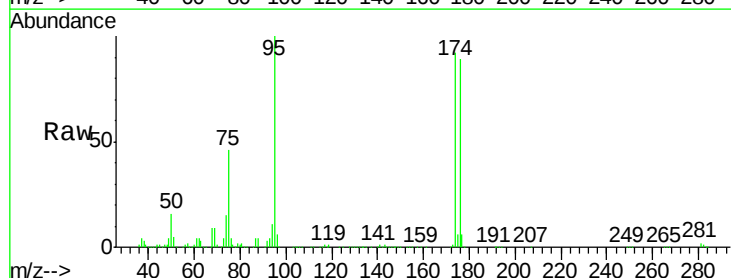
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0128WBSD01

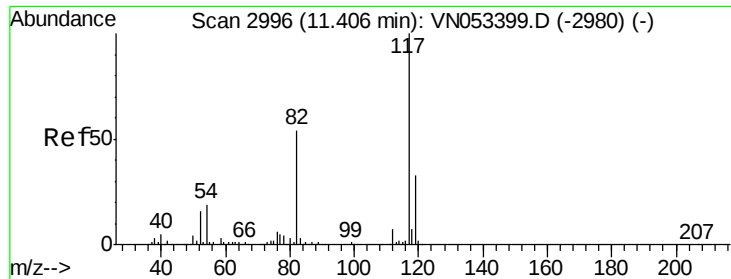
Tot Ion:107 Resp: 142153
 Ion Ratio Lower Upper
 107 100
 109 93.5 75.7 113.5



#62
 4-Bromofluorobenzene
 Concen: 21.600 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN053544.D
 Acq: 28 Jan 2019 14:35

Tgt Ion: 95 Resp: 443559
 Ion Ratio Lower Upper
 95 100
 174 92.4 0.0 183.2
 176 89.4 0.0 177.4

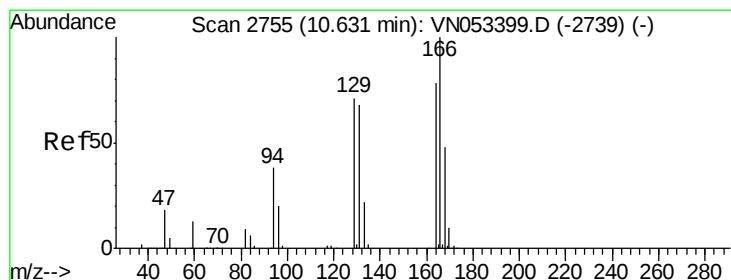
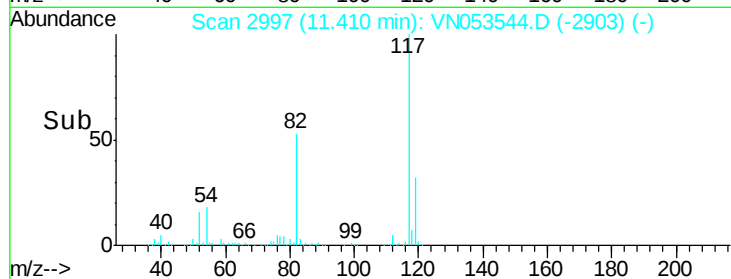
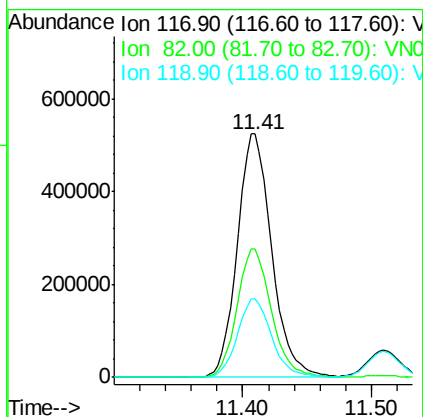
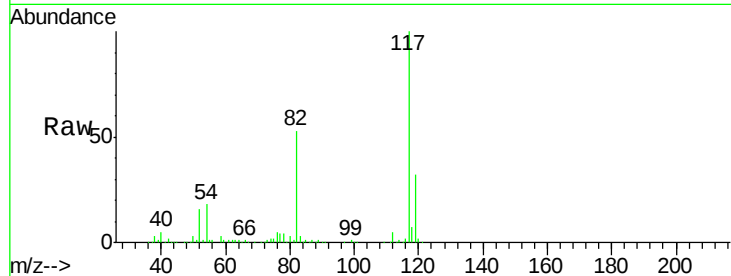




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN053544.D
Acq: 28 Jan 2019 14:35

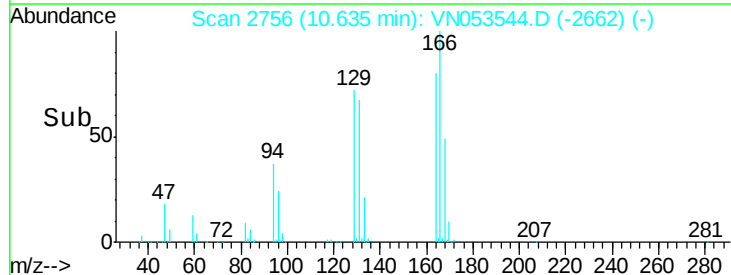
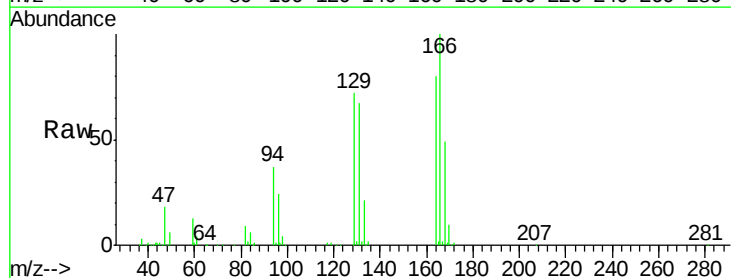
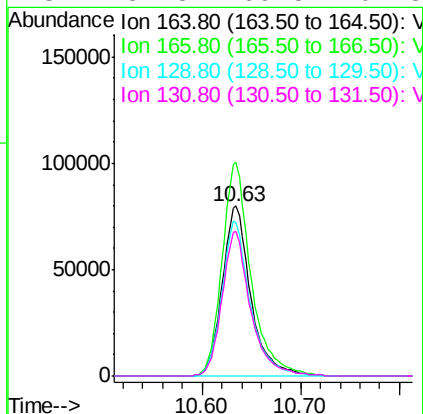
Instrument :
MSVOA_N
ClientSampled :
VN0128WBSD01

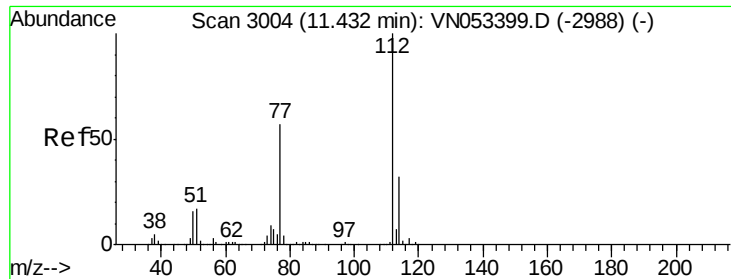
Tot Ion	Ratio	Lower	Upper
117	100		
82	52.8	42.9	64.3
119	32.4	26.0	39.0



#64
Tetrachloroethene
Concen: 17.604 ug/l
RT: 10.63 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN053544.D
Acq: 28 Jan 2019 14:35

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.7	102.2	153.4
129	90.6	72.6	109.0
131	84.8	69.5	104.3

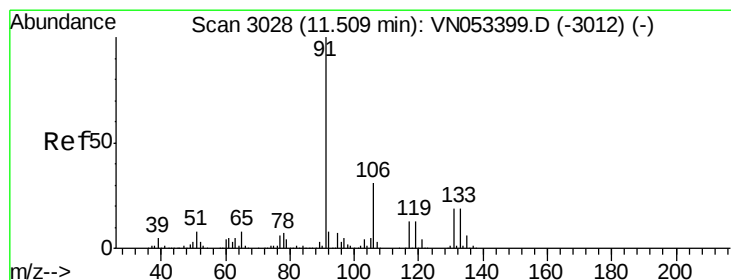
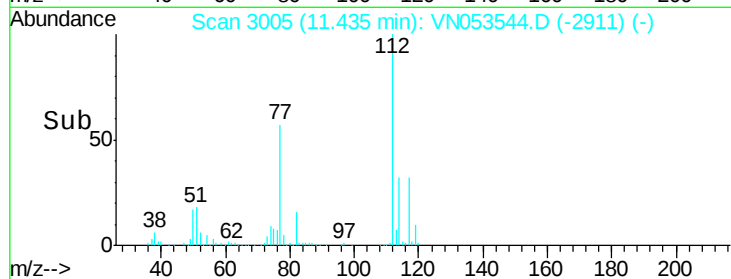
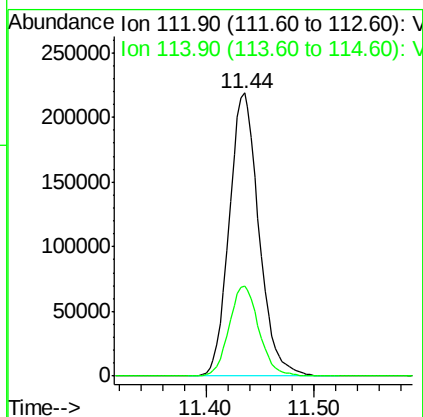
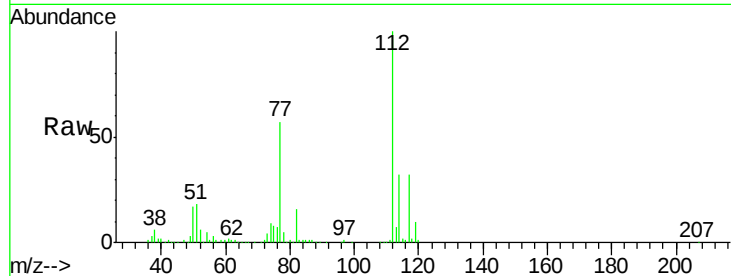




#65
Chlorobenzene
Concen: 20.359 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN053544.D
Acq: 28 Jan 2019 14:35

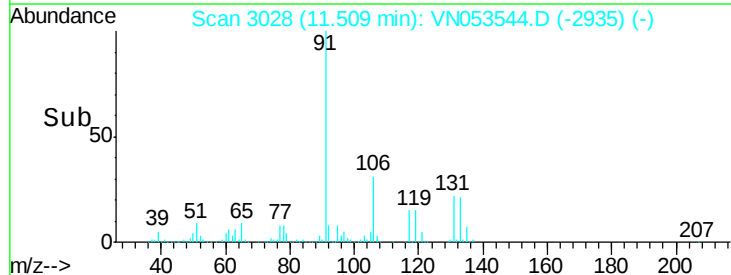
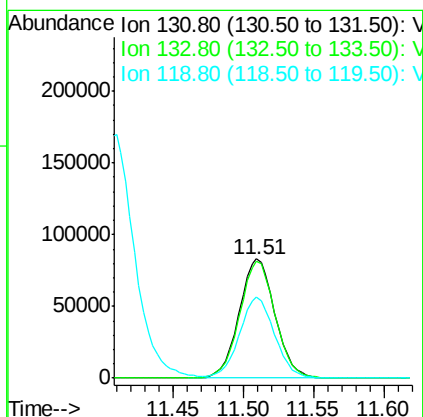
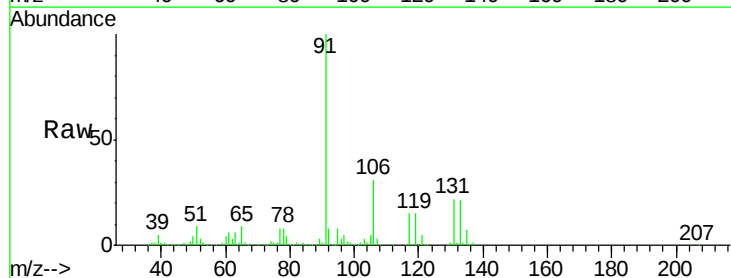
Instrument :
MSVOA_N
ClientSampleId :
VN0128WBSD01

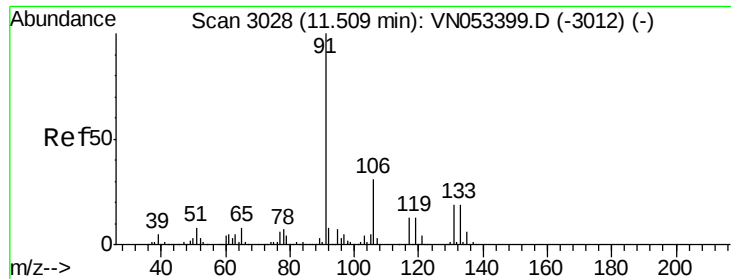
Tot Ion:112 Resp: 419914
Ion Ratio Lower Upper
112 100
114 32.0 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 20.604 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN053544.D
Acq: 28 Jan 2019 14:35

Tgt Ion:131 Resp: 147837
Ion Ratio Lower Upper
131 100
133 97.3 48.0 144.0
119 66.9 33.5 100.5

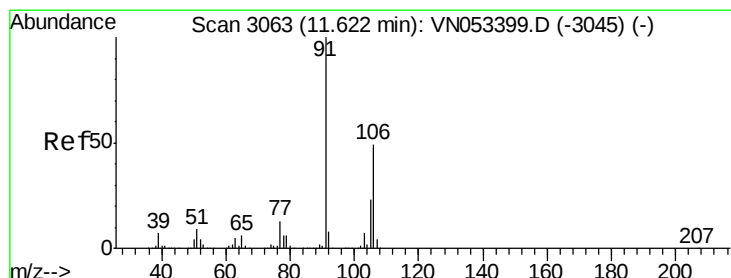
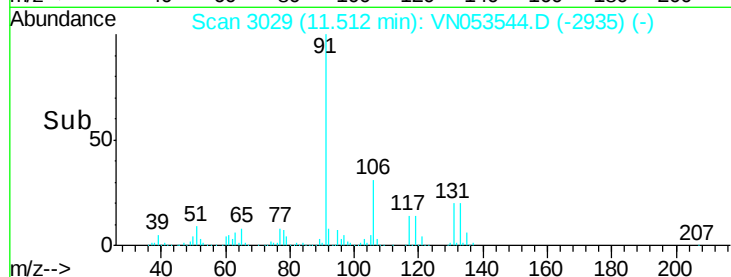
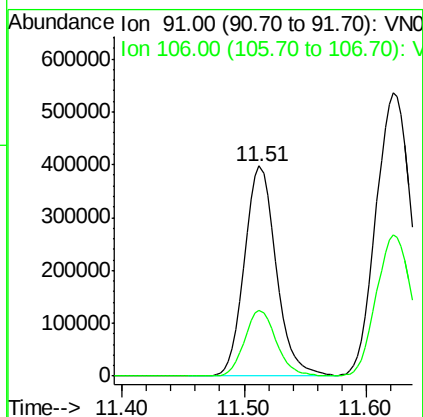
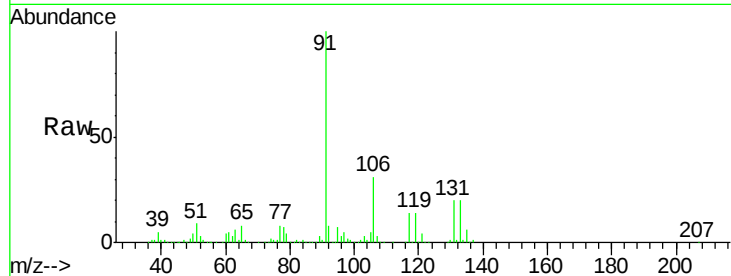




#67
Ethyl Benzene
Concen: 20.292 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN053544.D
Acq: 28 Jan 2019 14:35

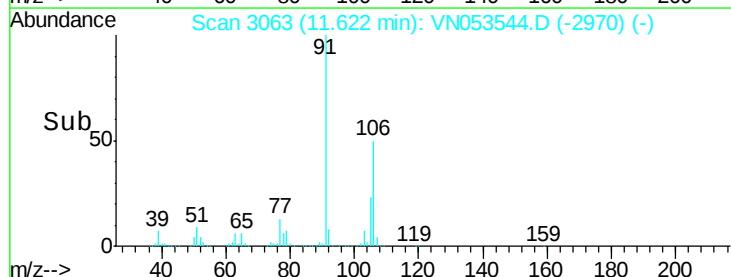
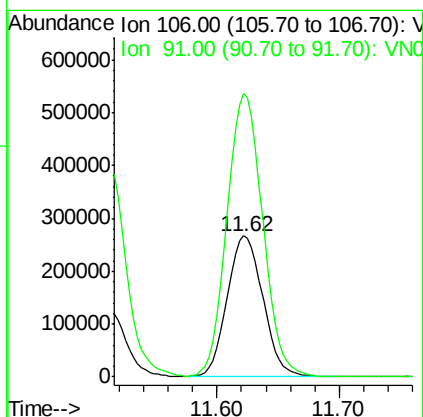
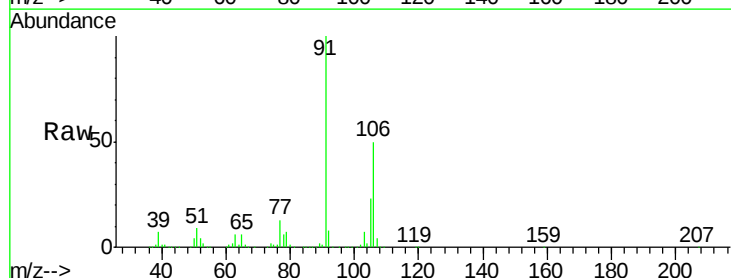
Instrument :
MSVOA_N
ClientSampled :
VN0128WBSD01

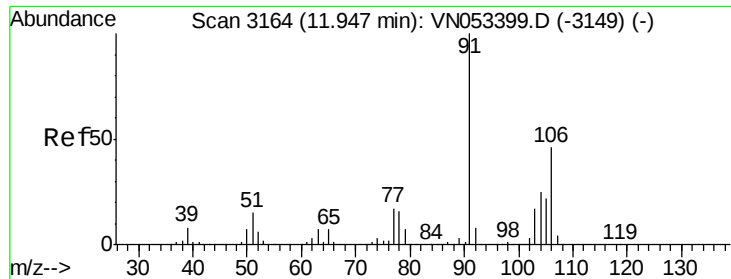
Tot Ion: 91 Resp: 713272
Ion Ratio Lower Upper
91 100
106 31.4 25.0 37.6



#68
m/p-Xylenes
Concen: 41.231 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053544.D
Acq: 28 Jan 2019 14:35

Tgt Ion: 106 Resp: 547195
Ion Ratio Lower Upper
106 100
91 200.5 161.4 242.2

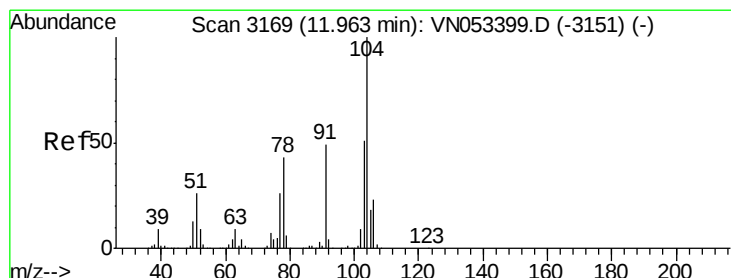
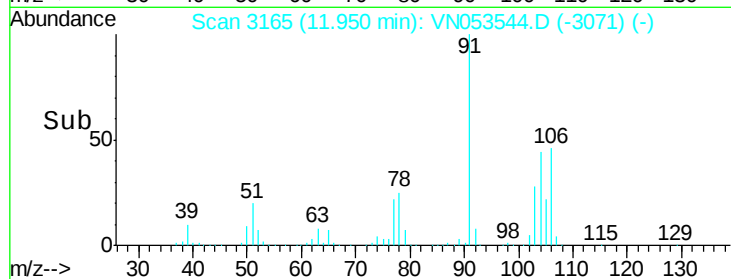
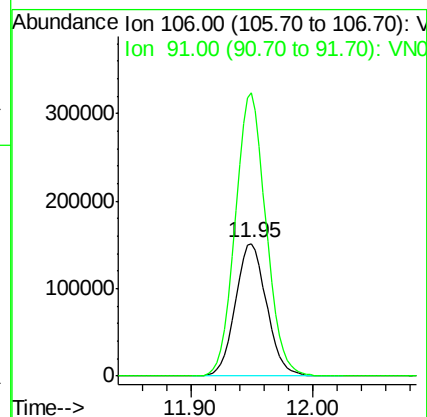
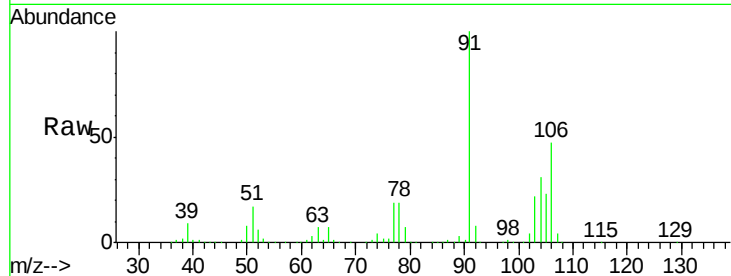




#69
o-Xylene
Concen: 20.891 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN053544.D
Acq: 28 Jan 2019 14:35

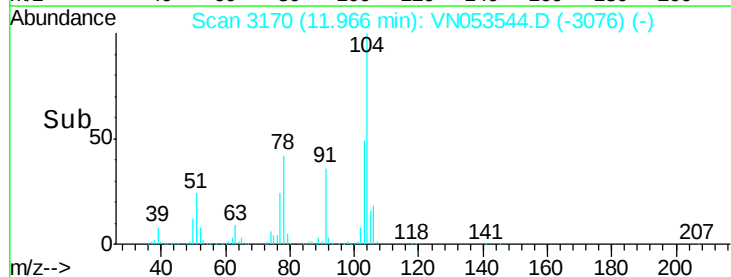
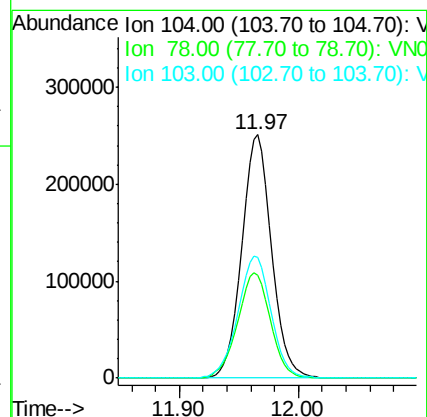
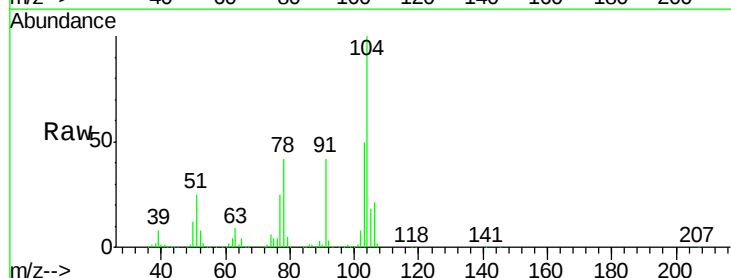
Instrument :
MSVOA_N
ClientSampleId :
VN0128WBSD01

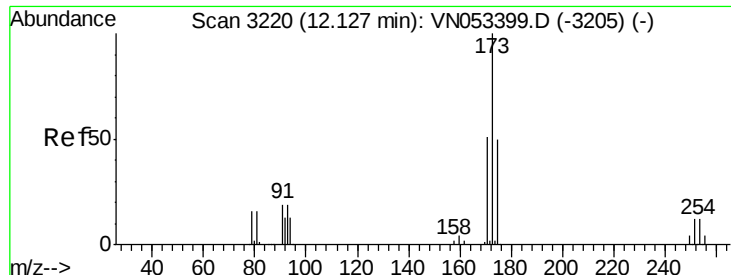
Tot Ion:106 Resp: 269403
Ion Ratio Lower Upper
106 100
91 210.3 106.9 320.8



#70
Styrene
Concen: 20.783 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN053544.D
Acq: 28 Jan 2019 14:35

Tgt Ion:104 Resp: 434978
Ion Ratio Lower Upper
104 100
78 48.0 38.2 57.2
103 55.7 44.4 66.6

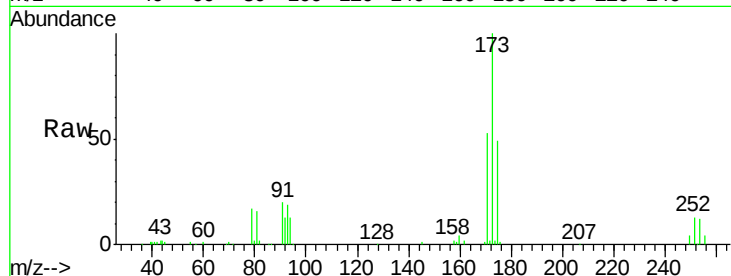




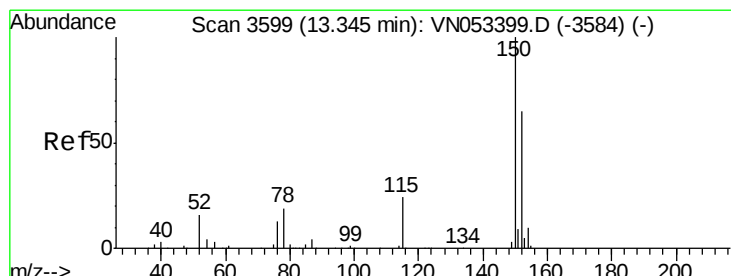
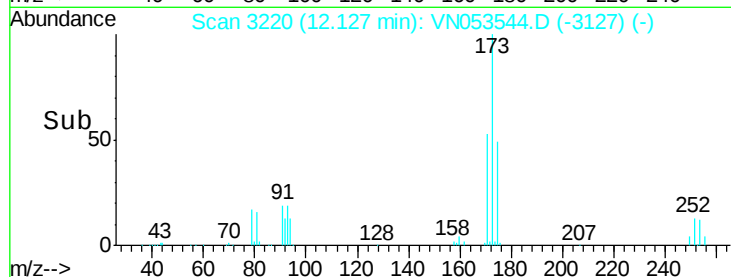
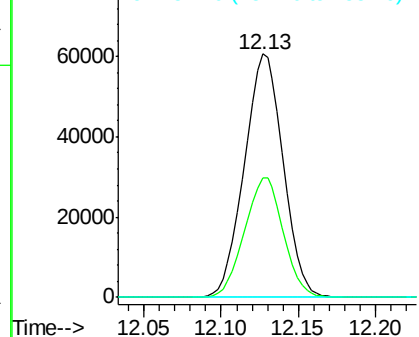
#71
Bromoform
Concen: 21.424 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN053544.D
Acq: 28 Jan 2019 14:35

Instrument :
MSVOA_N
ClientSampleId :
VN0128WBSD01

Tot Ion:173 Resp: 105828
Ion Ratio Lower Upper
173 100
175 49.0 24.6 74.0
254 0.0 0.2 0.2#

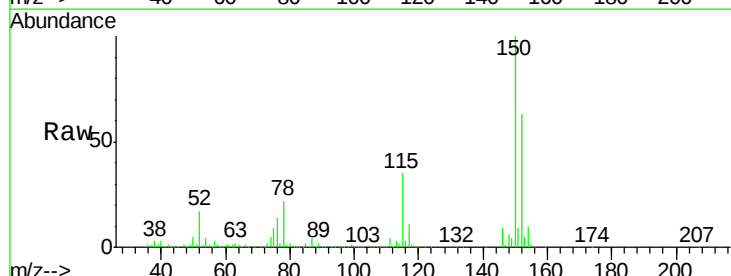


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

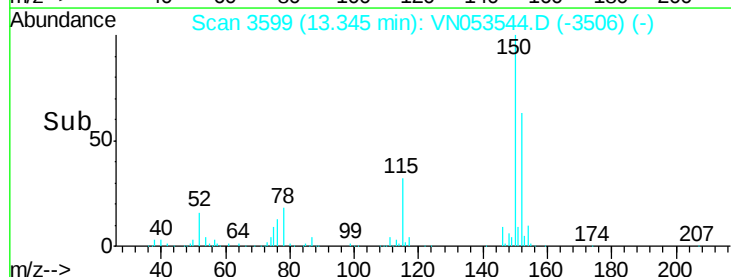
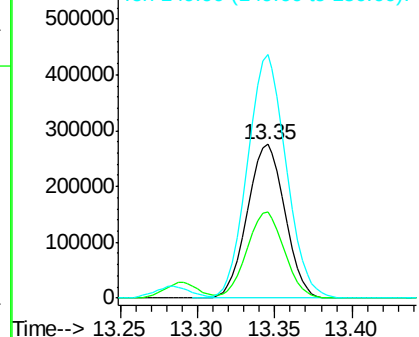


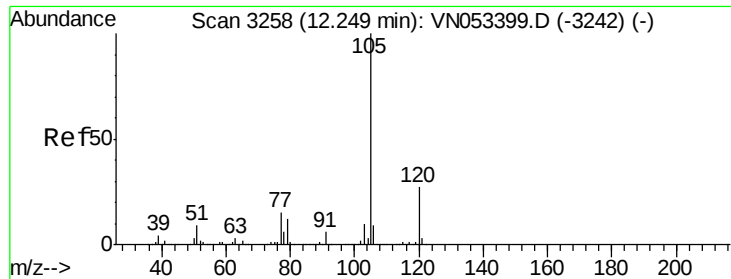
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN053544.D
Acq: 28 Jan 2019 14:35

Tgt Ion:152 Resp: 465548
Ion Ratio Lower Upper
152 100
115 55.8 27.8 83.4
150 163.3 0.0 349.0



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

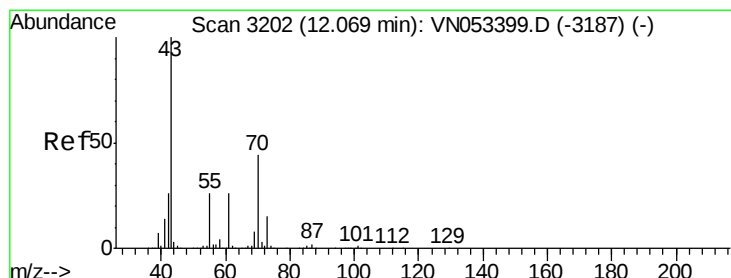
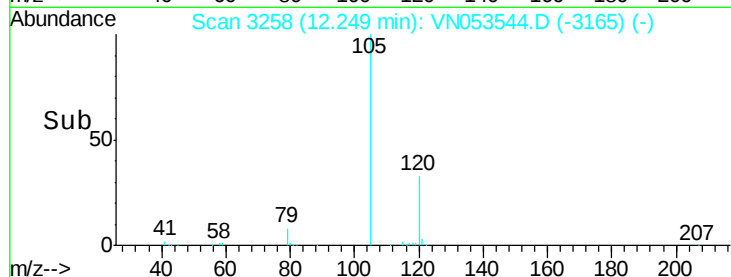
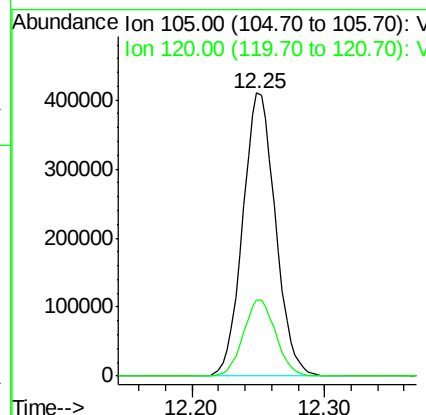
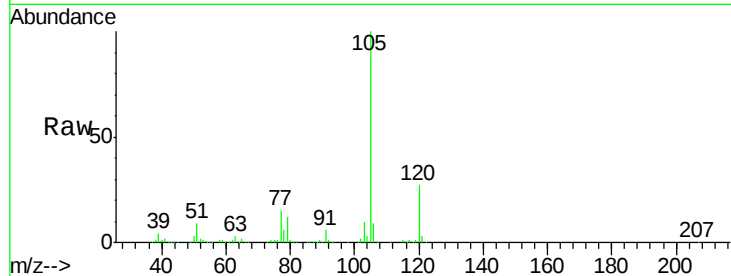




#73
Isopropylbenzene
Concen: 20.584 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN053544.D
Acq: 28 Jan 2019 14:35

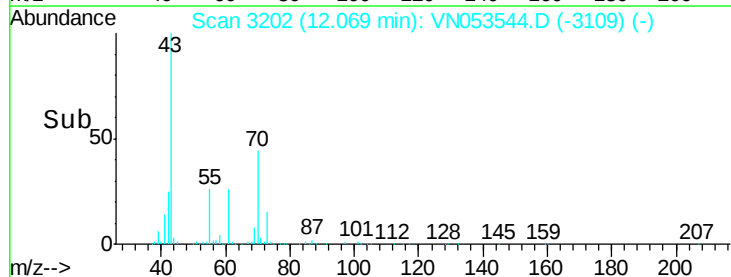
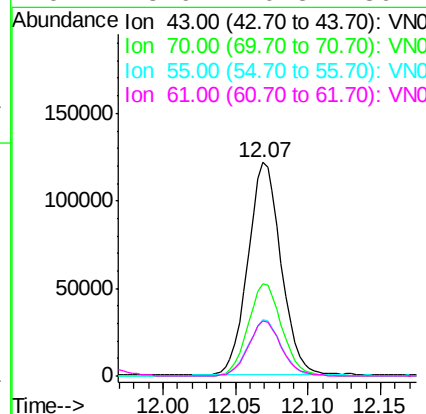
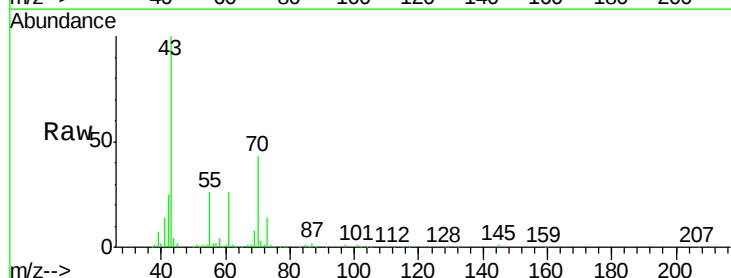
Instrument :
MSVOA_N
ClientSampleId :
VN0128WBSD01

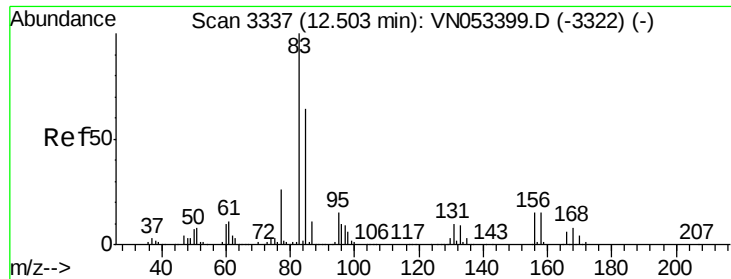
Tot Ion:105 Resp: 701745
Ion Ratio Lower Upper
105 100
120 26.7 13.6 40.7



#74
N-ethyl acetate
Concen: 21.141 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN053544.D
Acq: 28 Jan 2019 14:35

Tgt Ion: 43 Resp: 192136
Ion Ratio Lower Upper
43 100
70 44.4 35.4 53.2
55 26.1 20.9 31.3
61 25.9 20.5 30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 24.463 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN053544.D

Acq: 28 Jan 2019 14:35

Instrument :

MSVOA_N

ClientSampleId :

VN0128WBSD01

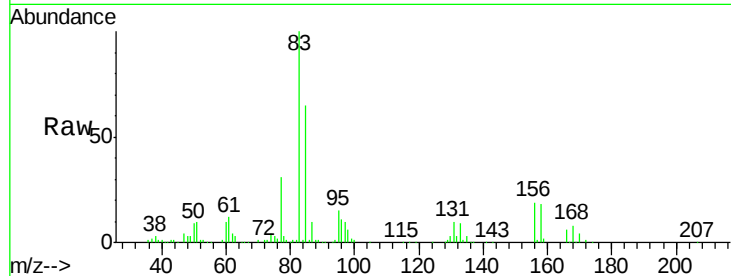
Tot Ion: 83 Resp: 174913

Ion Ratio Lower Upper

83 100

131 10.7 5.3 15.8

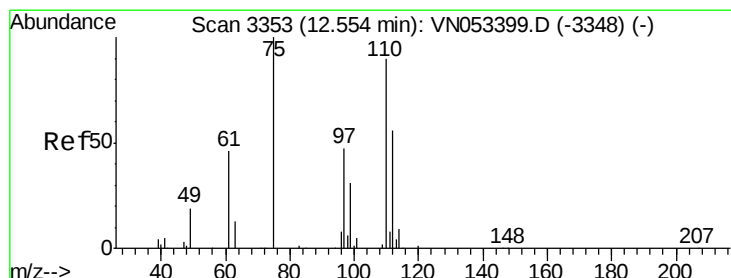
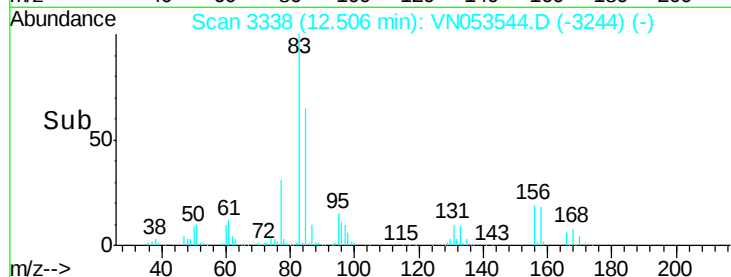
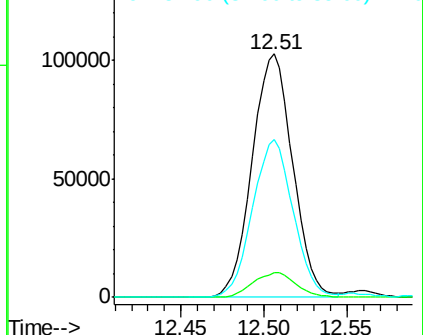
85 64.7 32.1 96.3



Abundance Ion 82.90 (82.60 to 83.60): VNO

Ion 130.80 (130.50 to 131.50): VNO

Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 34.750 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN053544.D

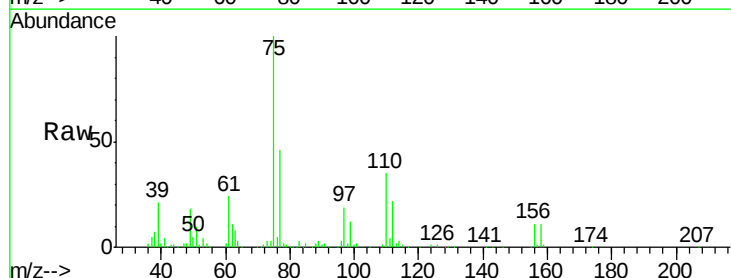
Acq: 28 Jan 2019 14:35

Tgt Ion: 75 Resp: 213191

Ion Ratio Lower Upper

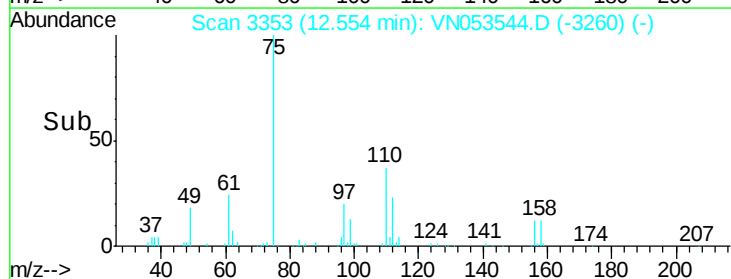
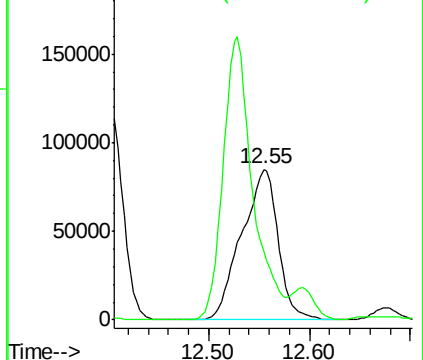
75 100

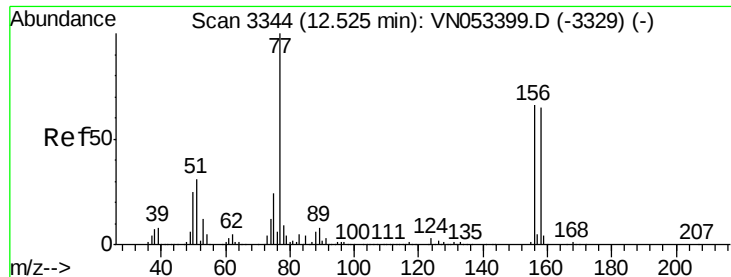
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO

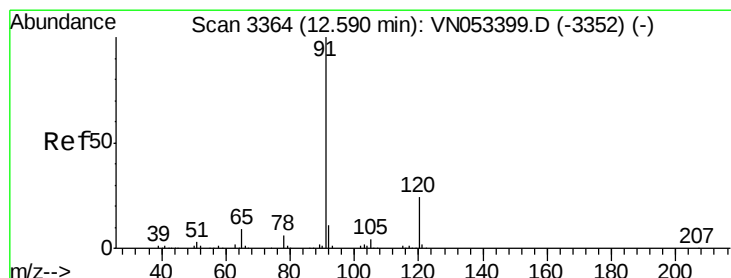
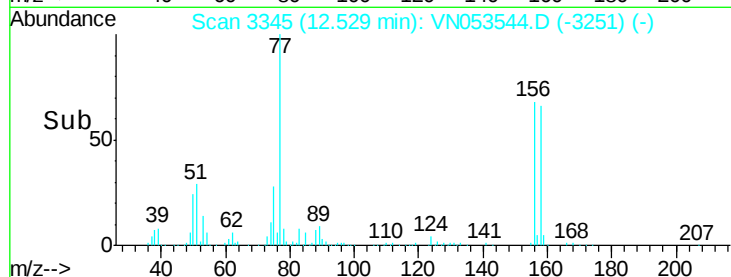
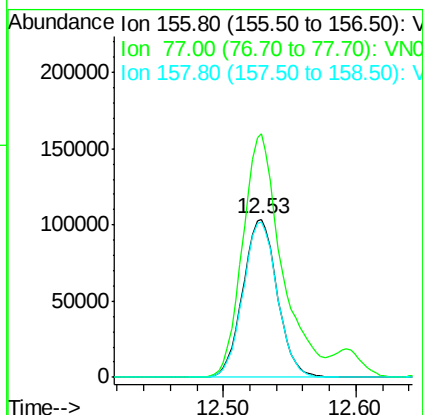
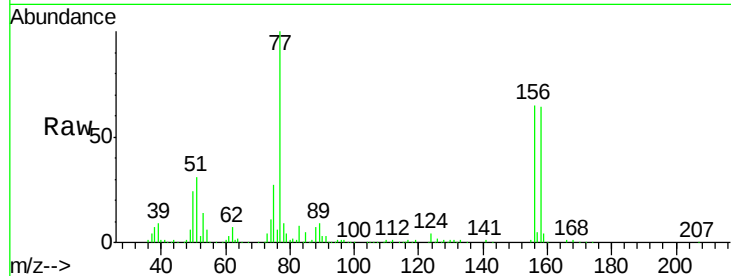




#77
Bromobenzene
Concen: 20.799 ug/l
RT: 12.53 min Scan# 3345
Delta R.T. 0.00 min
Lab File: VN053544.D
Acq: 28 Jan 2019 14:35

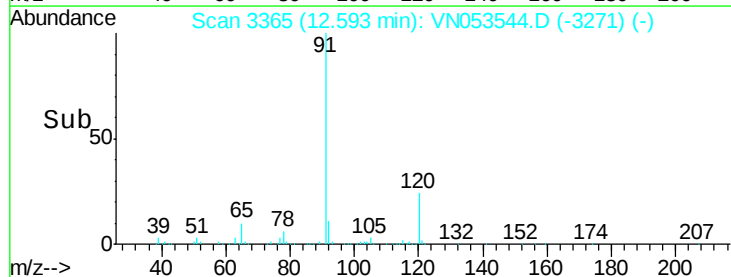
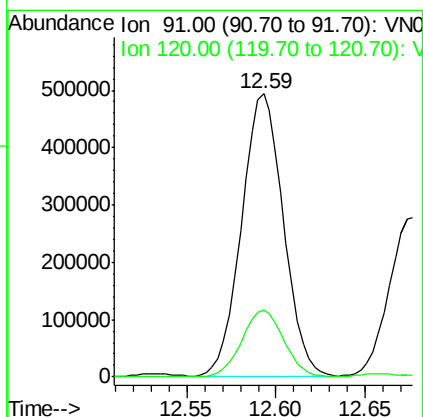
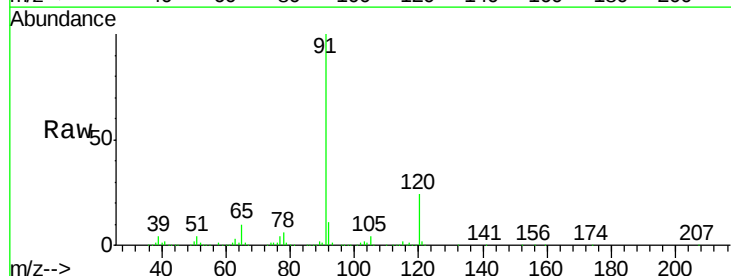
Instrument :
MSVOA_N
ClientSampleId :
VN0128WBSD01

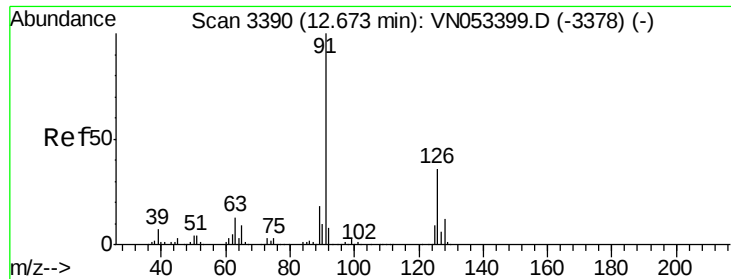
Tot Ion:156 Resp: 186845
Ion Ratio Lower Upper
156 100
77 175.2 87.9 263.8
158 97.5 48.8 146.4



#78
n-propylbenzene
Concen: 20.590 ug/l
RT: 12.59 min Scan# 3365
Delta R.T. 0.00 min
Lab File: VN053544.D
Acq: 28 Jan 2019 14:35

Tgt Ion: 91 Resp: 805756
Ion Ratio Lower Upper
91 100
120 23.8 11.9 35.5





#79

2-Chlorotoluene

Concen: 20.688 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN053544.D

Acq: 28 Jan 2019 14:35

Instrument :

MSVOA_N

ClientSampled :

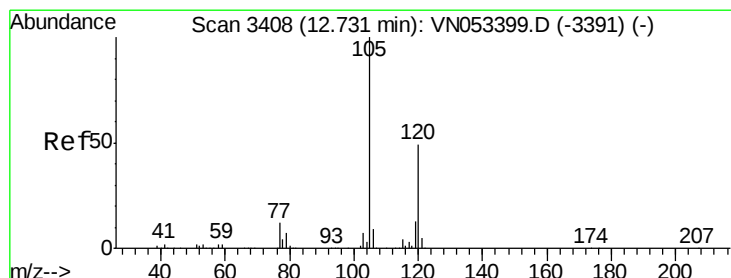
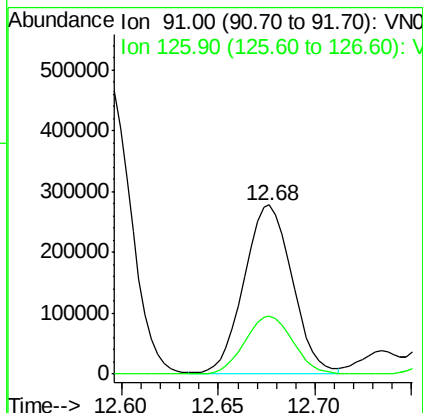
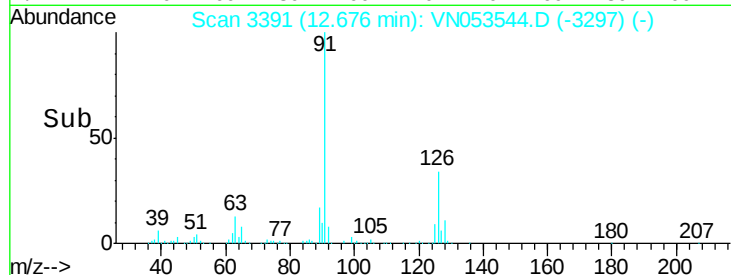
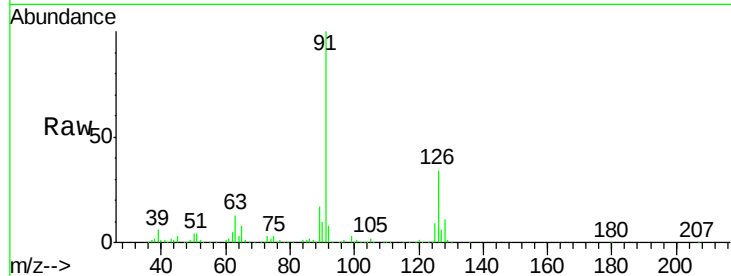
VN0128WBSD01

Tot Ion: 91 Resp: 479884

Ion Ratio Lower Upper

91 100

126 34.6 17.9 53.7



#80

1,3,5-Trimethylbenzene

Concen: 21.326 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053544.D

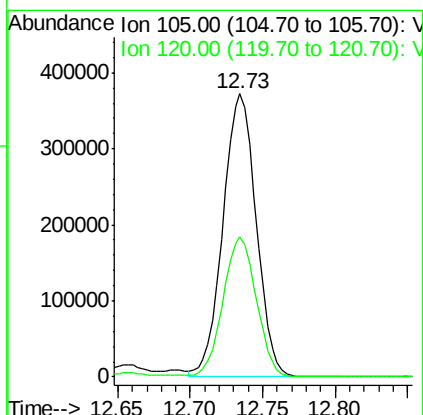
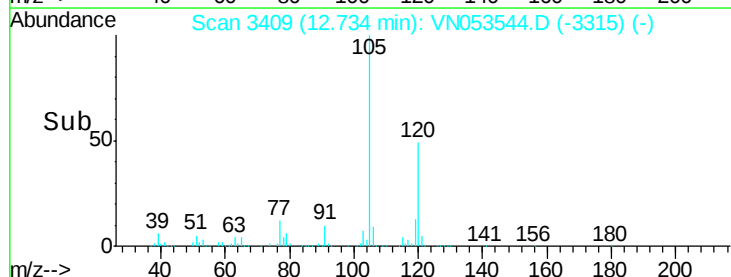
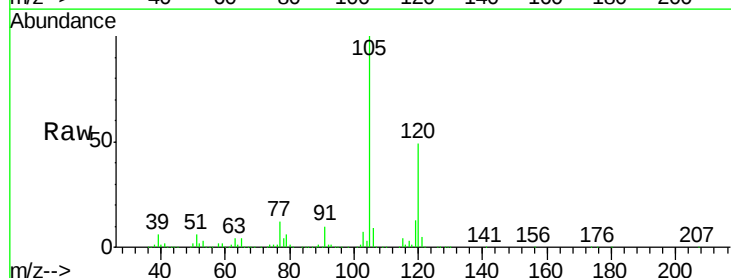
Acq: 28 Jan 2019 14:35

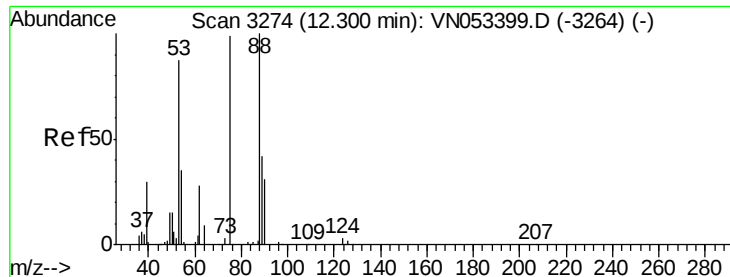
Tgt Ion: 105 Resp: 591538

Ion Ratio Lower Upper

105 100

120 49.7 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 20.159 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN053544.D

Acq: 28 Jan 2019 14:35

Instrument :

MSVOA_N

ClientSampleId :

VN0128WBSD01

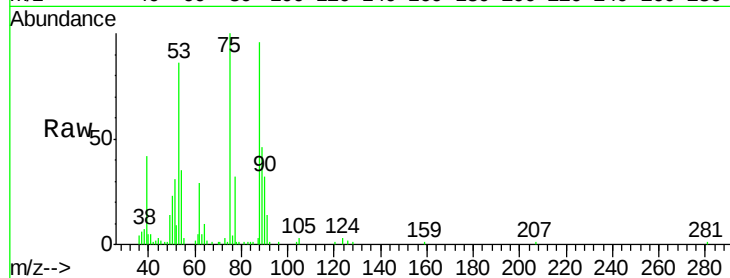
Tot Ion: 75 Resp: 45007

Ion Ratio Lower Upper

75 100

53 89.3 69.8 104.6

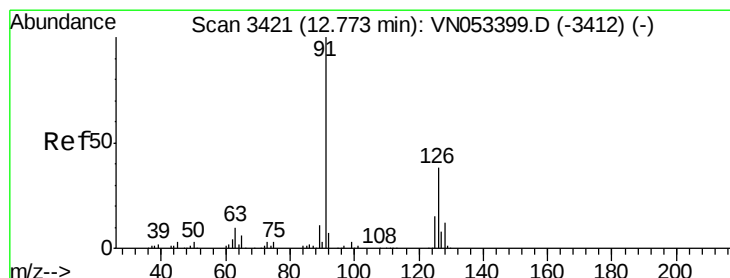
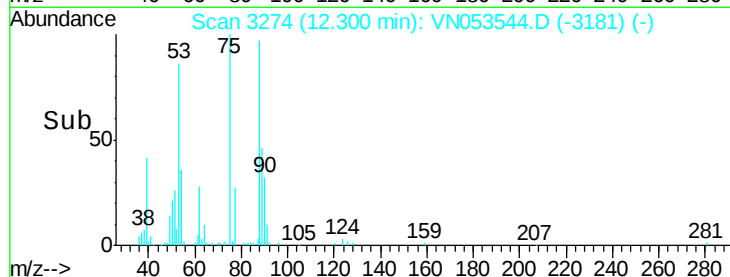
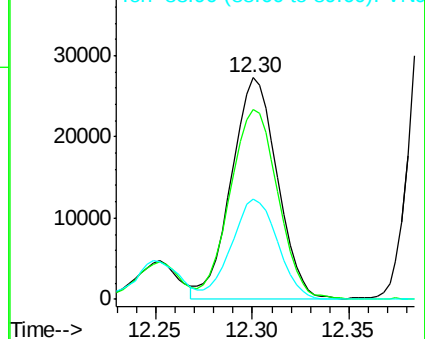
89 45.7 35.6 53.4



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: 20.541 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN053544.D

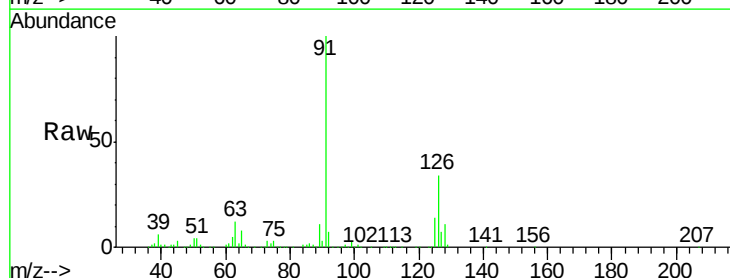
Acq: 28 Jan 2019 14:35

Tgt Ion: 91 Resp: 485896

Ion Ratio Lower Upper

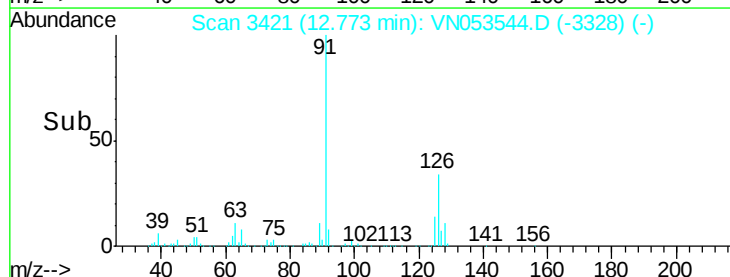
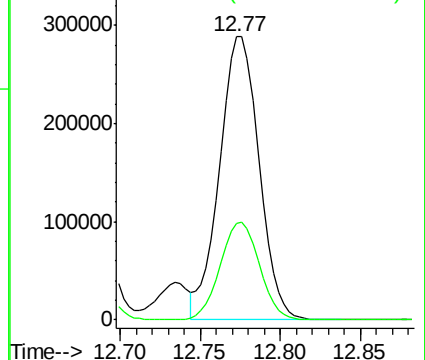
91 100

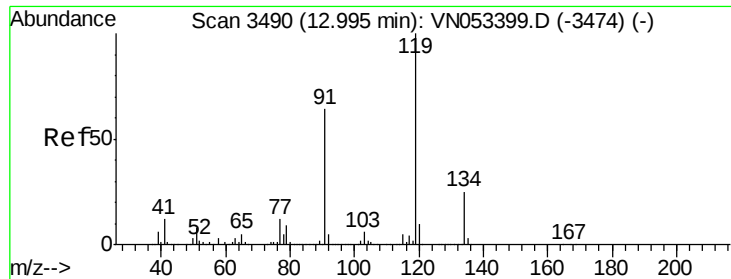
126 34.4 17.6 52.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

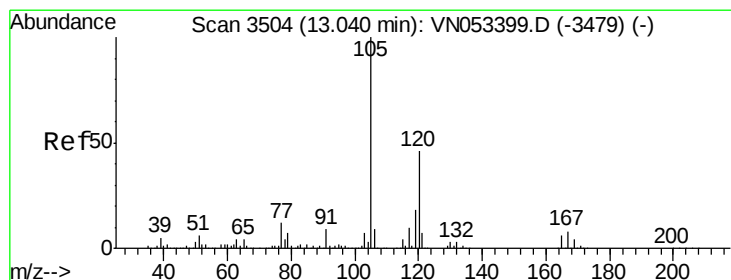
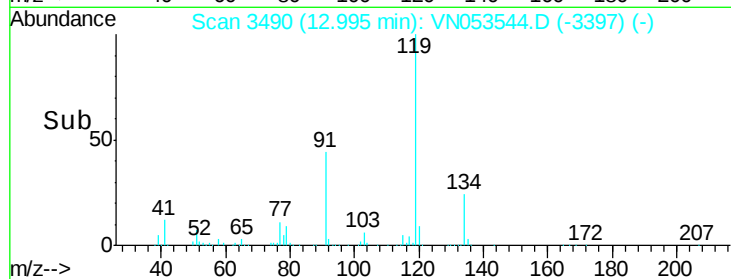
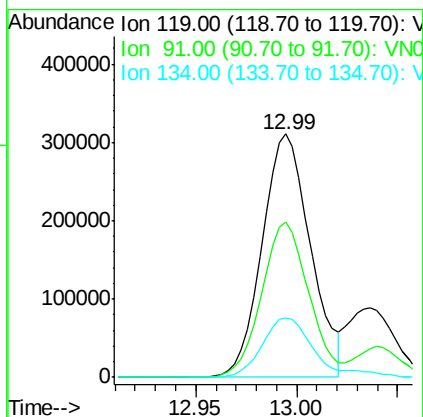
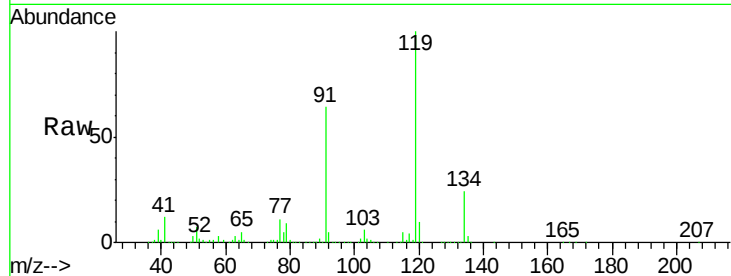




#83
 tert-Butylbenzene
 Concen: 21.173 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN053544.D
 Acq: 28 Jan 2019 14:35

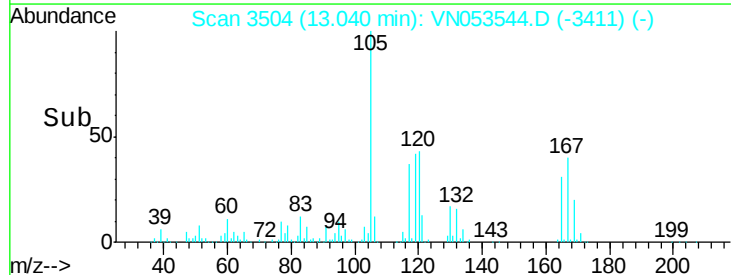
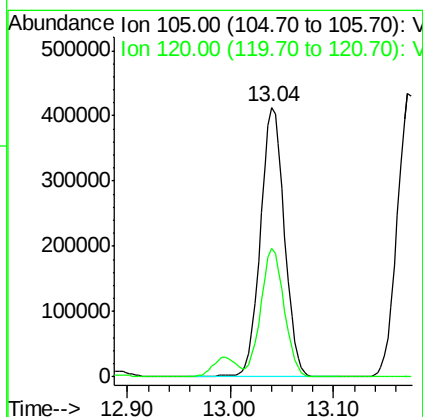
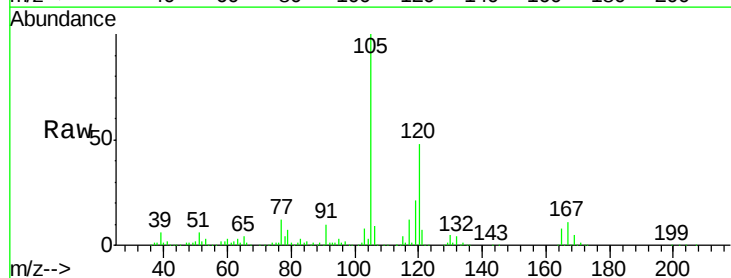
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0128WBSD01

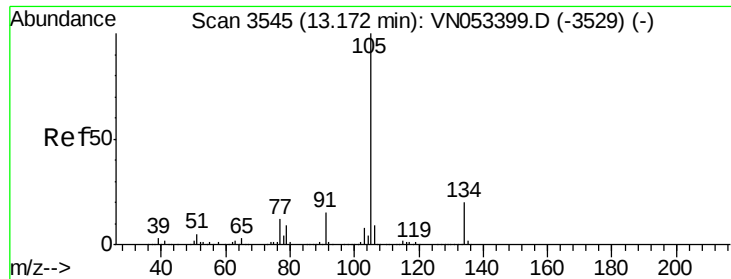
Tot Ion:119 Resp: 518731
 Ion Ratio Lower Upper
 119 100
 91 62.0 31.3 93.8
 134 26.4 12.9 38.7



#84
 1,2,4-Trimethylbenzene
 Concen: 23.688 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN053544.D
 Acq: 28 Jan 2019 14:35

Tgt Ion:105 Resp: 662538
 Ion Ratio Lower Upper
 105 100
 120 46.5 23.0 69.0





#85

sec-Butylbenzene

Concen: 20.959 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053544.D

Acq: 28 Jan 2019 14:35

Instrument :

MSVOA_N

ClientSampleId :

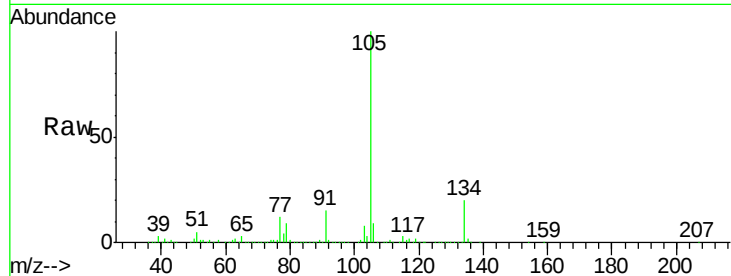
VN0128WBSD01

Tot Ion:105 Resp: 704200

Ion Ratio Lower Upper

105 100

134 20.2 10.2 30.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

400000

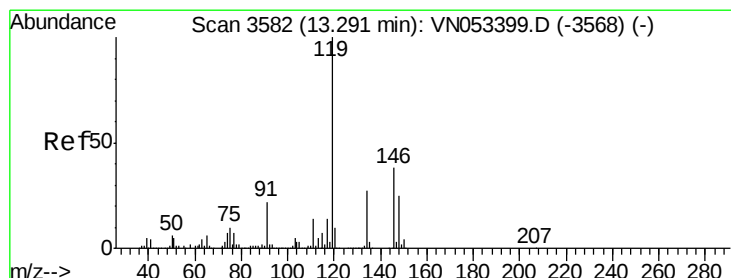
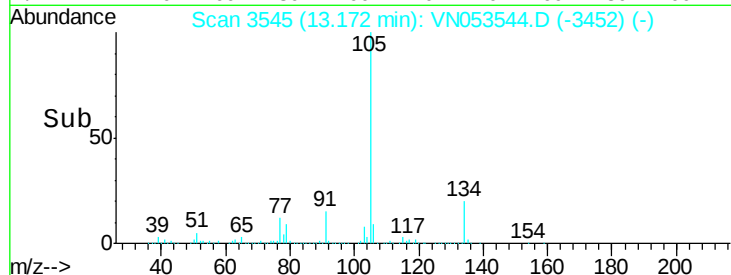
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 20.895 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053544.D

Acq: 28 Jan 2019 14:35

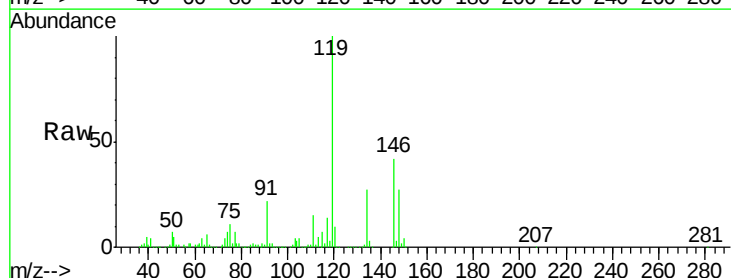
Tgt Ion:119 Resp: 609603

Ion Ratio Lower Upper

119 100

134 27.0 13.5 40.4

91 22.1 11.0 33.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

400000

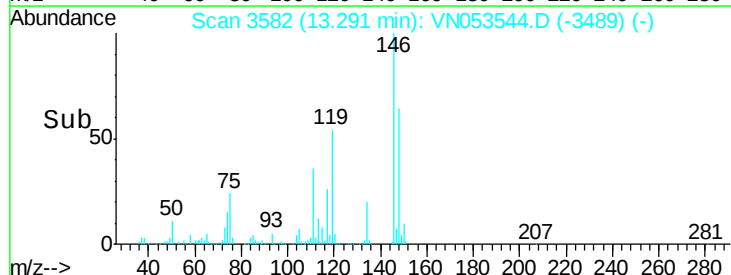
300000

200000

100000

0

Time-->

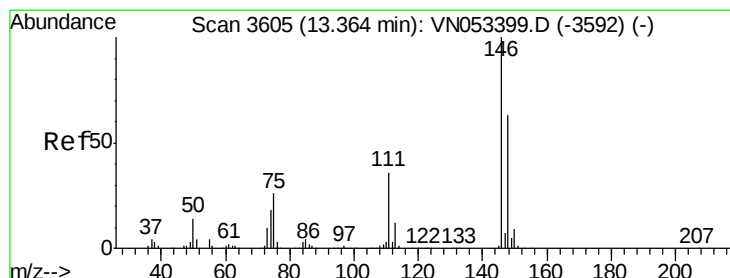
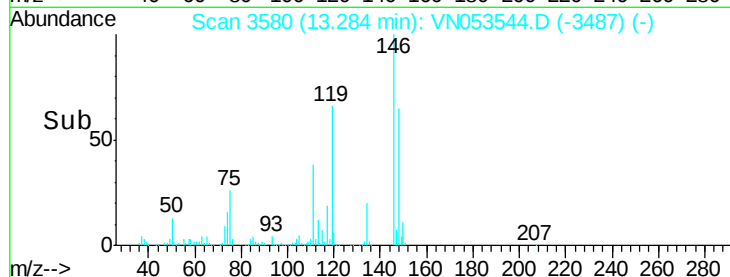
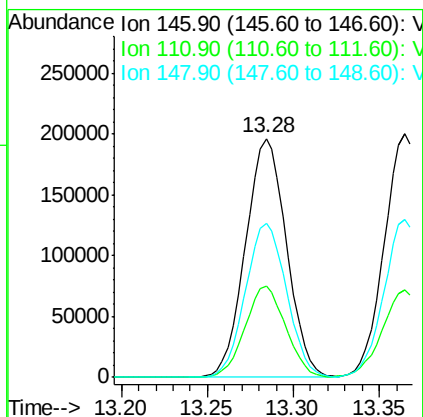
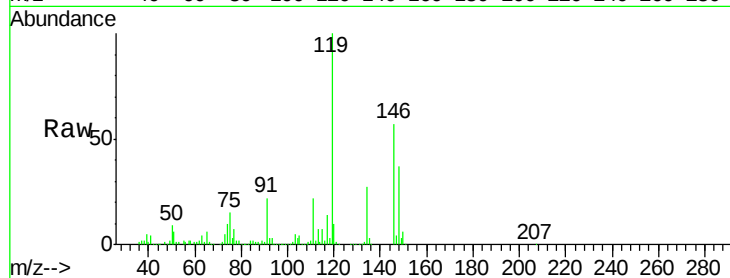




#87
 1,3-Dichlorobenzene
 Concen: 20.569 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN053544.D
 Acq: 28 Jan 2019 14:35

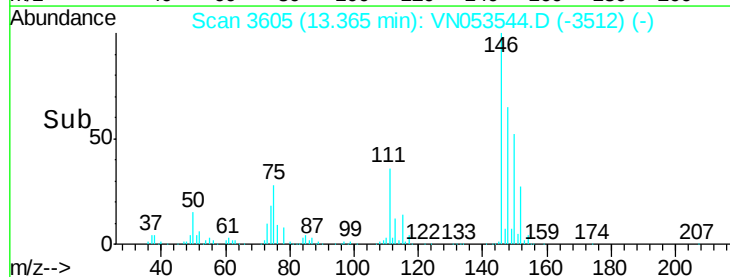
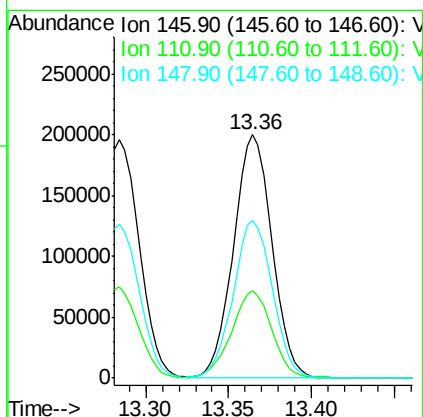
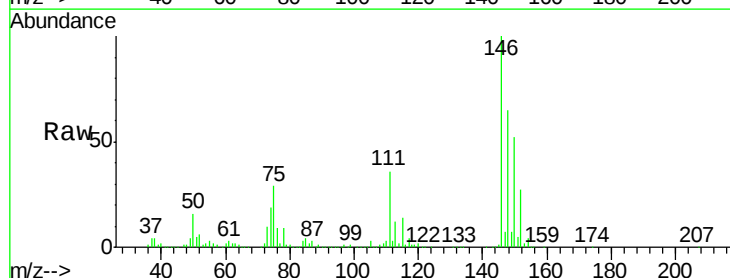
Instrument :
 MSVOA_N
 ClientSampled :
 VN0128WBSD01

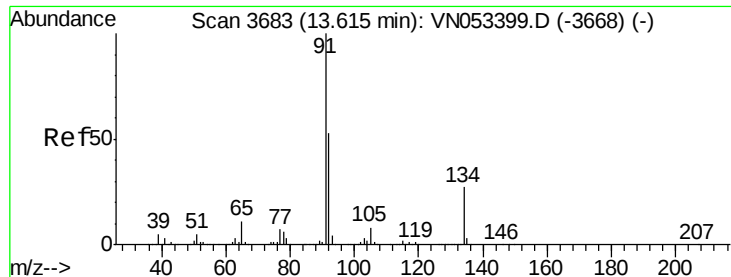
Tot Ion:146 Resp: 325029
 Ion Ratio Lower Upper
 146 100
 111 38.0 18.8 56.3
 148 64.8 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 20.446 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN053544.D
 Acq: 28 Jan 2019 14:35

Tgt Ion:146 Resp: 324098
 Ion Ratio Lower Upper
 146 100
 111 38.3 18.6 55.8
 148 65.9 32.4 97.0





#89

n-Butylbenzene

Concen: 20.733 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN053544.D

Acq: 28 Jan 2019 14:35

Instrument :

MSVOA_N

ClientSampleId :

VN0128WBSD01

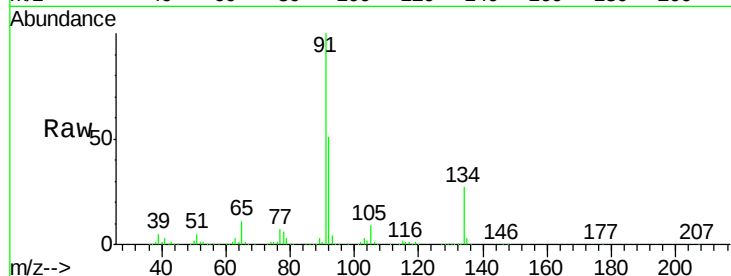
Tot Ion: 91 Resp: 515584

Ion Ratio Lower Upper

91 100

92 51.7 26.3 78.8

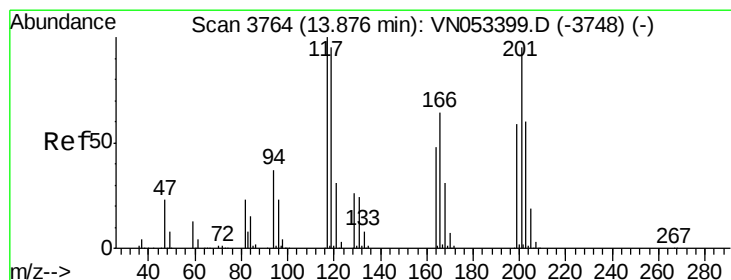
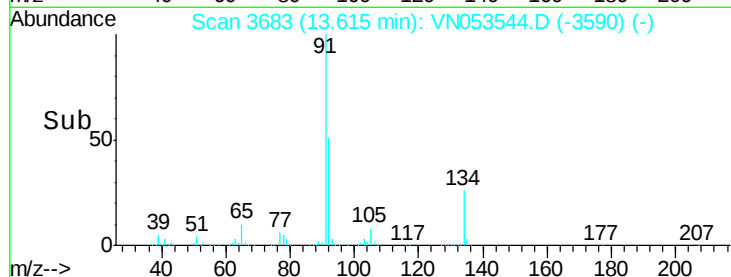
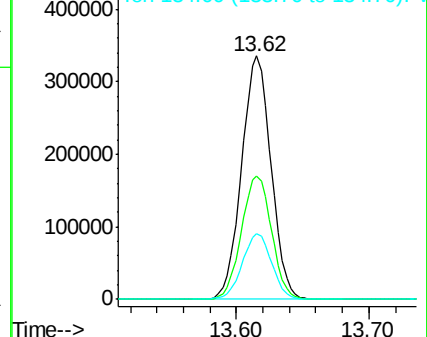
134 27.0 13.5 40.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0

Ion 134.00 (133.70 to 134.70): VN0



#90

Hexachloroethane

Concen: 20.215 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN053544.D

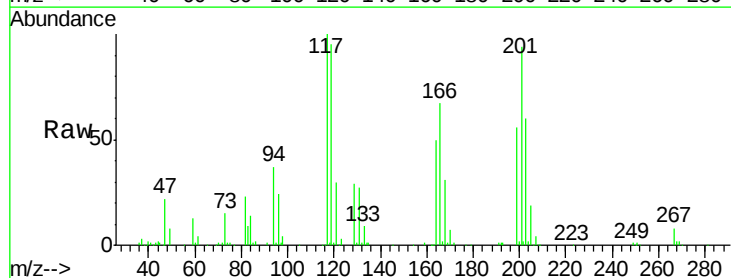
Acq: 28 Jan 2019 14:35

Tgt Ion: 117 Resp: 92495

Ion Ratio Lower Upper

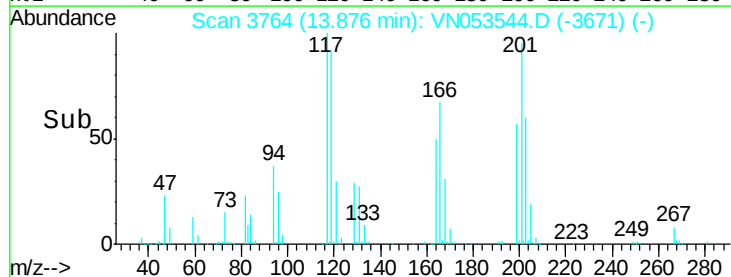
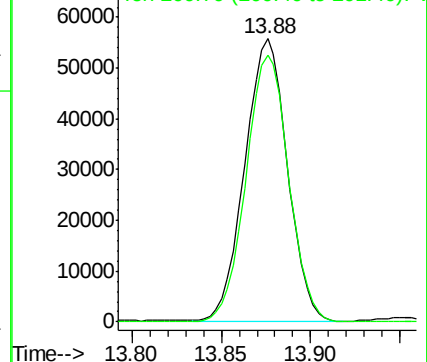
117 100

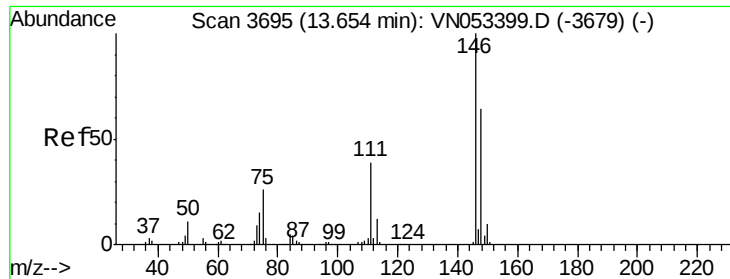
201 94.8 46.8 140.4



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 21.647 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN053544.D

Acq: 28 Jan 2019 14:35

Instrument :

MSVOA_N

ClientSampleId :

VN0128WBSD01

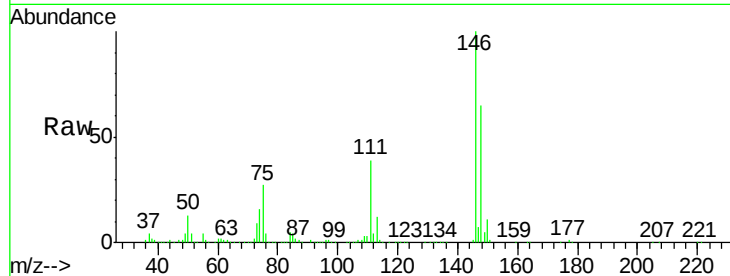
Tot Ion:146 Resp: 314699

Ion Ratio Lower Upper

146 100

111 39.5 19.5 58.5

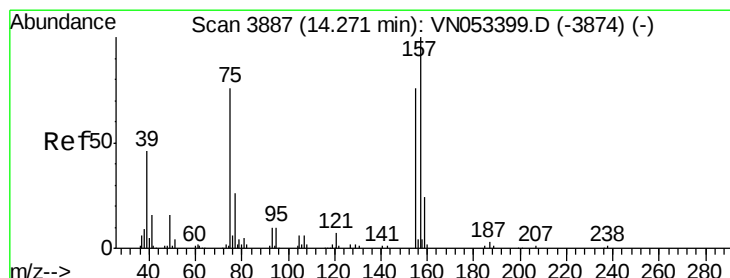
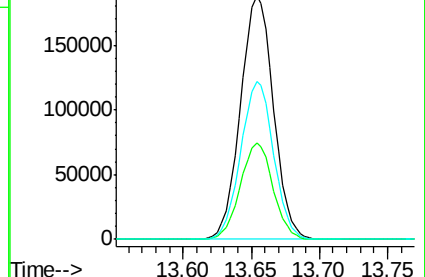
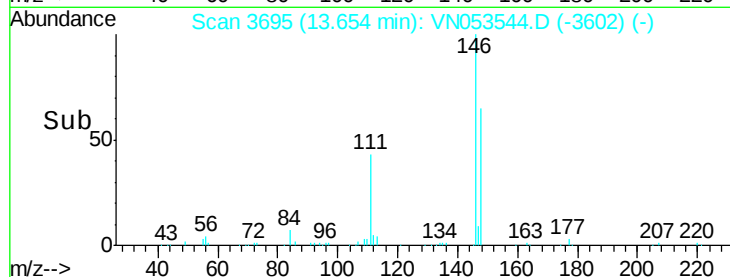
148 64.7 31.9 95.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 27.531 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

Lab File: VN053544.D

Acq: 28 Jan 2019 14:35

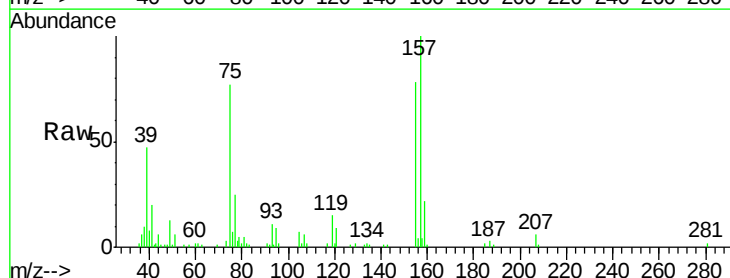
Tgt Ion: 75 Resp: 24960

Ion Ratio Lower Upper

75 100

155 100.8 48.9 146.7

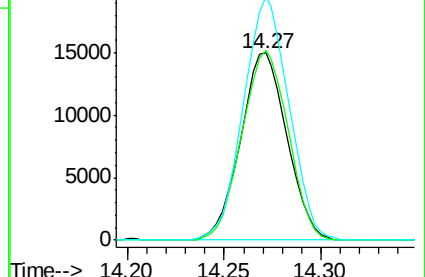
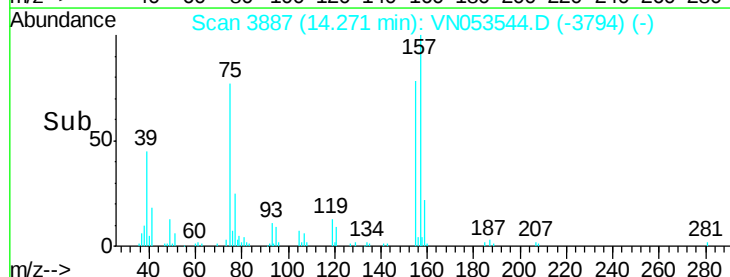
157 127.5 63.7 191.3

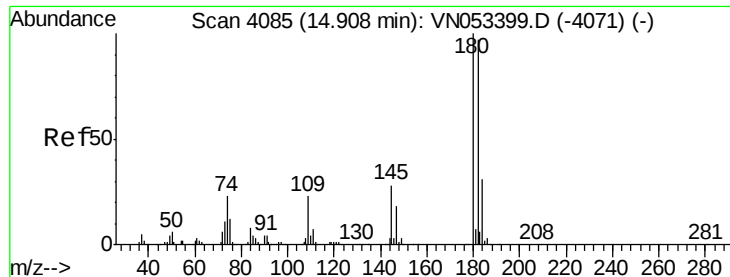


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#93

1,2,4-Trichlorobenzene

Concen: 31.443 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. 0.00 min

Lab File: VN053544.D

Acq: 28 Jan 2019 14:35

Instrument :

MSVOA_N

ClientSampleId :

VN0128WBSD01

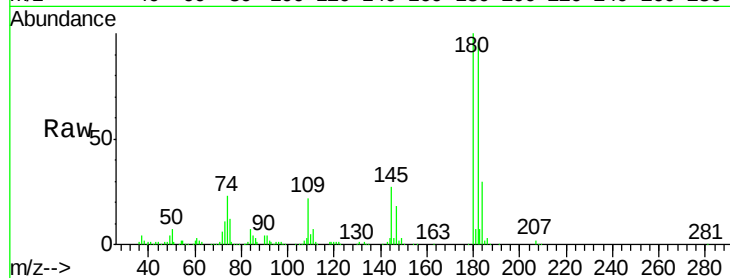
Tot Ion:180 Resp: 194718

Ion Ratio Lower Upper

180 100

182 96.0 48.1 144.3

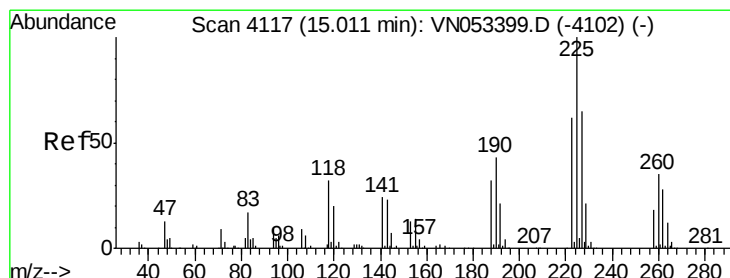
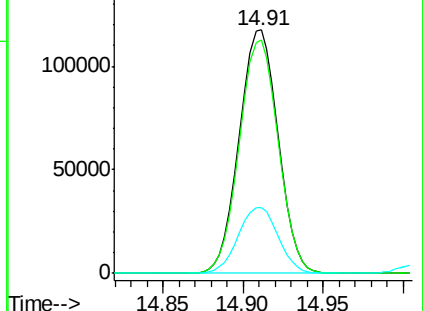
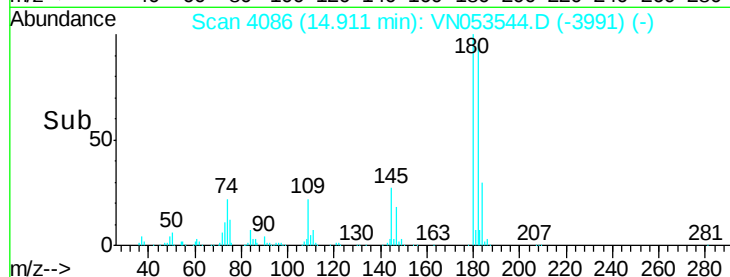
145 27.9 13.9 41.6



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 23.334 ug/l

RT: 15.01 min Scan# 4117

Delta R.T. 0.00 min

Lab File: VN053544.D

Acq: 28 Jan 2019 14:35

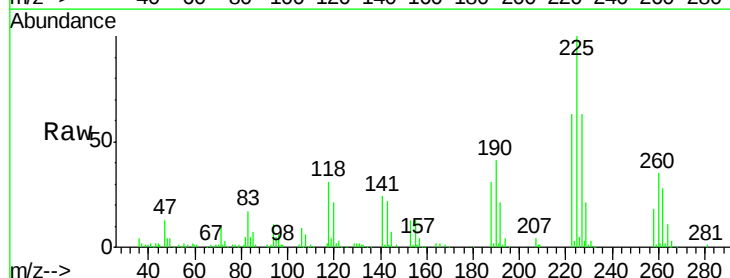
Tgt Ion:225 Resp: 105823

Ion Ratio Lower Upper

225 100

223 63.1 31.1 93.2

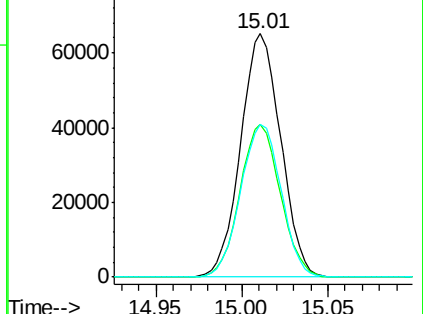
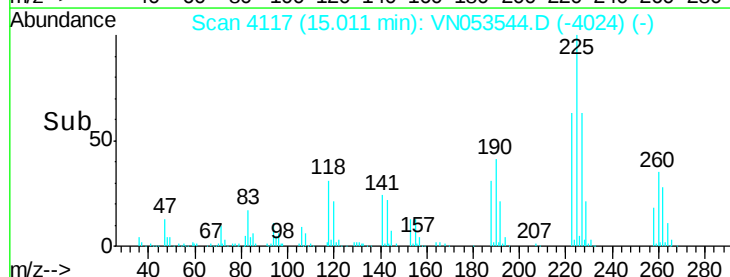
227 63.4 32.0 96.2

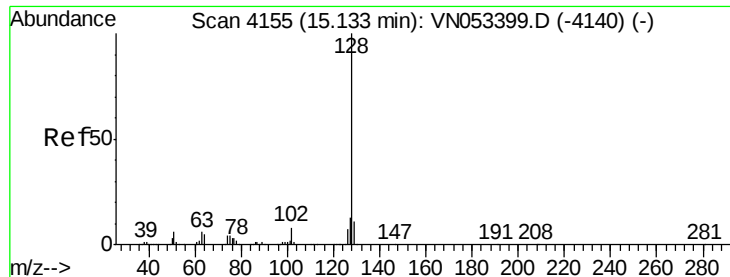


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 40.993 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053544.D

Acq: 28 Jan 2019 14:35

Instrument :

MSVOA_N

ClientSampleId :

VN0128WBSD01

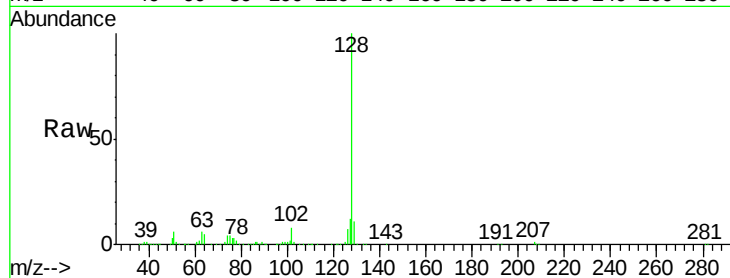
Tot Ion:128 Resp: 452679

Ion Ratio Lower Upper

128 100

127 12.4 10.3 15.5

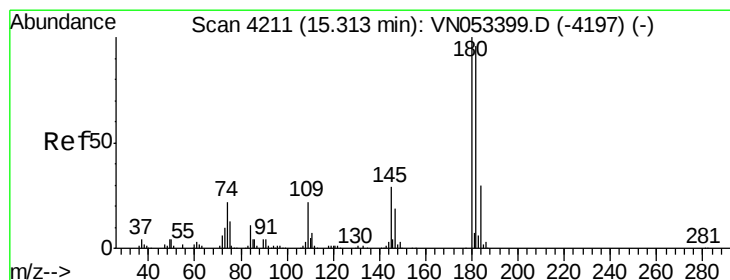
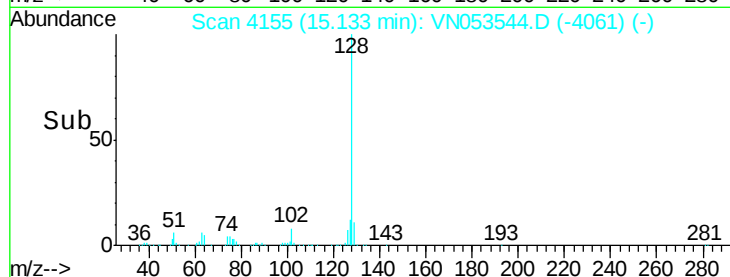
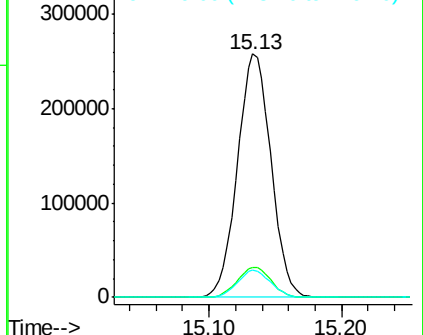
129 11.0 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 40.133 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN053544.D

Acq: 28 Jan 2019 14:35

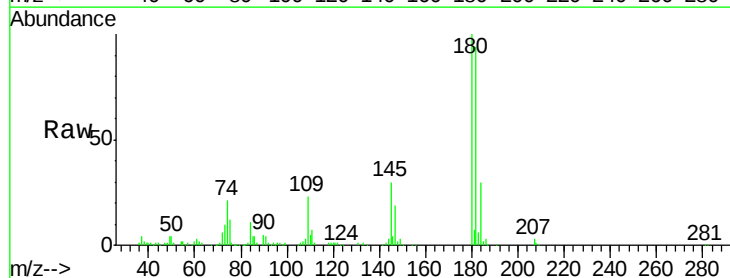
Tgt Ion:180 Resp: 184448

Ion Ratio Lower Upper

180 100

182 95.4 47.9 143.8

145 30.1 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

