

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041619\
 Data File : VN055084.D
 Acq On : 16 Apr 2019 17:45
 Operator : JC/SP
 Sample : VN0416WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0416WBSD02

Quant Time: Apr 17 01:40:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041519W.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 15 12:28:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	383194	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	649726	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	557338	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	217933	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	261915	51.42	ug/l	0.00
Spiked Amount			Recovery	=	102.84%	
35) Dibromofluoromethane	7.59	113	209283	48.20	ug/l	0.00
Spiked Amount			Recovery	=	96.40%	
50) Toluene-d8	10.09	98	769089	49.49	ug/l	0.00
Spiked Amount			Recovery	=	98.98%	
62) 4-Bromofluorobenzene	12.40	95	247338	48.96	ug/l	0.00
Spiked Amount			Recovery	=	97.92%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	86967	19.970	ug/l	98
3) Chloromethane	2.06	50	114482	20.155	ug/l	98
4) Vinyl Chloride	2.19	62	95686	20.043	ug/l	99
5) Bromomethane	2.56	94	53391	19.768	ug/l	98
6) Chloroethane	2.71	64	53722	20.866	ug/l	93
7) Trichlorofluoromethane	3.02	101	118938	19.920	ug/l	100
8) Diethyl Ether	3.41	74	37101	19.467	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.75	101	61385	19.646	ug/l	98
10) Methyl Iodide	3.94	142	110274	22.742	ug/l	95
11) Tert butyl alcohol	4.82	59	28118	100.710	ug/l #	89
12) 1,1-Dichloroethene	3.73	96	59724	19.637	ug/l	95
13) Acrolein	3.61	56	28138	81.535	ug/l	99
14) Allyl chloride	4.31	41	149165	20.036	ug/l	100
15) Acrylonitrile	4.99	53	168563	100.909	ug/l	100
16) Acetone	3.82	43	110706	80.077	ug/l	96
17) Carbon Disulfide	4.04	76	187546	19.102	ug/l	98
18) Methyl Acetate	4.33	43	83547	20.712	ug/l	97
19) Methyl tert-butyl Ether	5.05	73	225215	20.700	ug/l	97
20) Methylene Chloride	4.54	84	97619	20.086	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	82978	20.172	ug/l	91
22) Diisopropyl ether	5.96	45	322959	21.103	ug/l	98
23) Vinyl Acetate	5.90	43	1072543	106.025	ug/l	100
24) 1,1-Dichloroethane	5.85	63	169584	20.808	ug/l	99
25) 2-Butanone	6.85	43	198517	96.211	ug/l	99
26) 2,2-Dichloropropane	6.82	77	96179	18.698	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	95078	20.430	ug/l	99
28) Bromochloromethane	7.19	49	79056	20.123	ug/l	100
29) Tetrahydrofuran	7.22	42	134829	99.646	ug/l	99
30) Chloroform	7.37	83	163267	20.624	ug/l	99
31) Cyclohexane	7.65	56	154712	20.741	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	130289	20.773	ug/l	99
36) 1,1-Dichloropropene	7.79	75	114175	18.641	ug/l	100
37) Ethyl Acetate	6.94	43	83979	16.842	ug/l	99
38) Carbon Tetrachloride	7.77	117	107850	18.508	ug/l	99

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 Data File : VN055084.D
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 Sample : VN0416WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0416WBSD02

Quant Time: Apr 17 01:40:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041519W.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 15 12:28:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	120774	18.197	ug/l	97
40) Benzene	8.04	78	363977	19.717	ug/l	100
41) Methacrylonitrile	7.18	41	50883	18.383	ug/l	95
42) 1,2-Dichloroethane	8.12	62	125682	19.610	ug/l	99
43) Isopropyl Acetate	8.17	43	148572	19.337	ug/l	99
44) Trichloroethene	8.83	130	93052	20.125	ug/l	97
45) 1,2-Dichloropropane	9.12	63	103068	20.021	ug/l	99
46) Dibromomethane	9.21	93	57905	19.761	ug/l	99
47) Bromodichloromethane	9.40	83	117057	19.376	ug/l	100
48) Methyl methacrylate	9.20	41	73908	19.407	ug/l	98
49) 1,4-Dioxane	9.20	88	15942	446.817	ug/l	94
51) 4-Methyl-2-Pentanone	9.99	43	430631	97.014	ug/l	98
52) Toluene	10.15	92	212082	20.060	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	101763	19.275	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	130869	19.972	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	80132	19.672	ug/l	99
56) Ethyl methacrylate	10.43	69	96412	19.722	ug/l	99
57) 1,3-Dichloropropane	10.71	76	139809	20.159	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	176398	89.363	ug/l	98
59) 2-Hexanone	10.75	43	260554	93.455	ug/l	98
60) Dibromochloromethane	10.90	129	77922	19.590	ug/l	98
61) 1,2-Dibromoethane	11.00	107	73966	19.728	ug/l	98
64) Tetrachloroethene	10.63	164	84395	18.622	ug/l	95
65) Chlorobenzene	11.43	112	221445	19.739	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	82183	19.917	ug/l	100
67) Ethyl Benzene	11.51	91	387473	19.340	ug/l	99
68) m/p-Xylenes	11.62	106	286934	39.551	ug/l	100
69) o-Xylene	11.95	106	140908	20.053	ug/l	100
70) Styrene	11.96	104	230873	20.298	ug/l	98
71) Bromoform	12.13	173	46123	19.502	ug/l #	99
73) Isopropylbenzene	12.25	105	372600	19.267	ug/l	99
74) N-amyl acetate	12.07	43	108783	19.983	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	97804	18.900	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	109777	28.012	ug/l #	100
77) Bromobenzene	12.53	156	92433	19.172	ug/l	98
78) n-propylbenzene	12.59	91	395777	18.942	ug/l	100
79) 2-Chlorotoluene	12.67	91	252185	19.351	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	303074	19.420	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	19267	19.660	ug/l	94
82) 4-Chlorotoluene	12.77	91	235497	19.368	ug/l	98
83) tert-Butylbenzene	12.99	119	254983	19.346	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	291954	19.740	ug/l	100
85) sec-Butylbenzene	13.17	105	325603	19.388	ug/l	100
86) p-Isopropyltoluene	13.29	119	278429	19.324	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	142689	19.471	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	139245	19.926	ug/l	98
89) n-Butylbenzene	13.61	91	201741	18.861	ug/l	99
90) Hexachloroethane	13.87	117	44220	18.862	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	145736	19.766	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	12624	19.811	ug/l	97

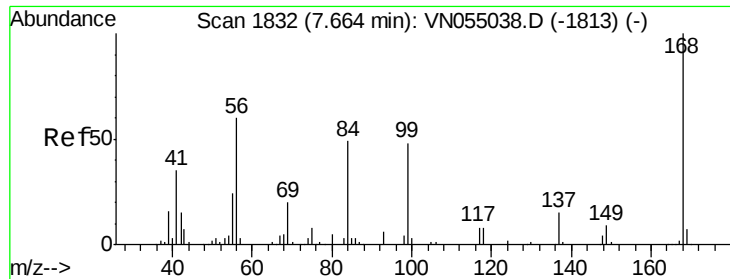
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041619\
Data File : VN055084.D
Acq On : 16 Apr 2019 17:45
Operator : JC/SP
Sample : VN0416WBSD02
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0416WBSD02

Quant Time: Apr 17 01:40:20 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041519W.M
Quant Title : SW846 8260
QLast Update : Mon Apr 15 12:28:28 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	53463	17.817	ug/l	100
94) Hexachlorobutadiene	15.01	225	43865	19.262	ug/l	100
95) Naphthalene	15.13	128	115600	16.954	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	55486	19.507	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN055084.D

Acq: 16 Apr 2019 17:45

Instrument :

MSVOA_N

ClientSampleId :

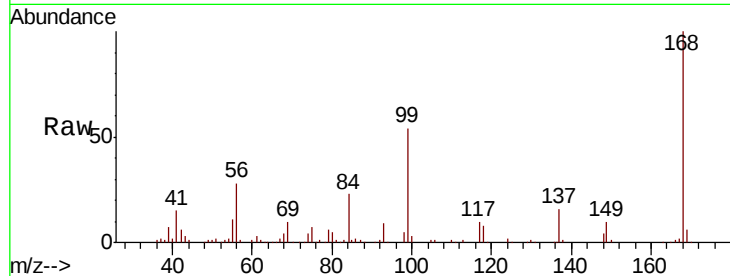
VN0416WBSD02

Tot Ion:168 Resp: 383194

Ion Ratio Lower Upper

168 100

99 53.1 41.9 62.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

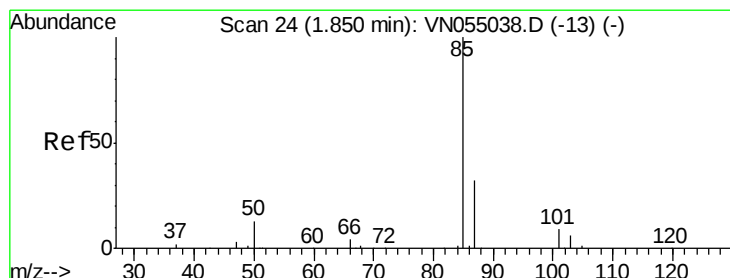
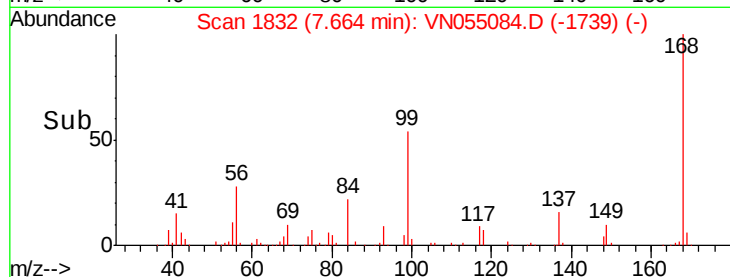
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 19.970 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN055084.D

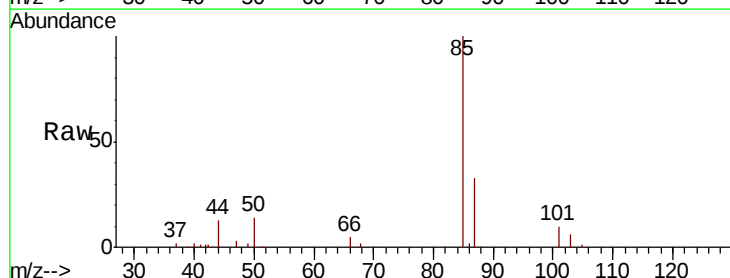
Acq: 16 Apr 2019 17:45

Tgt Ion: 85 Resp: 86967

Ion Ratio Lower Upper

85 100

87 33.3 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

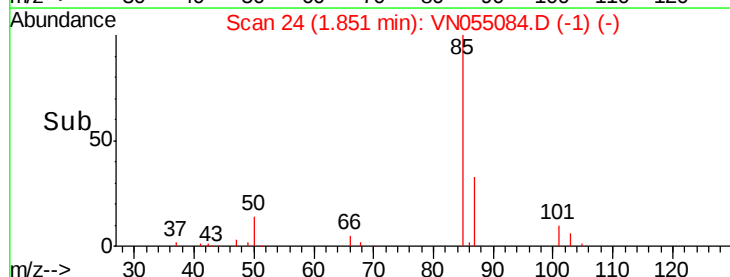
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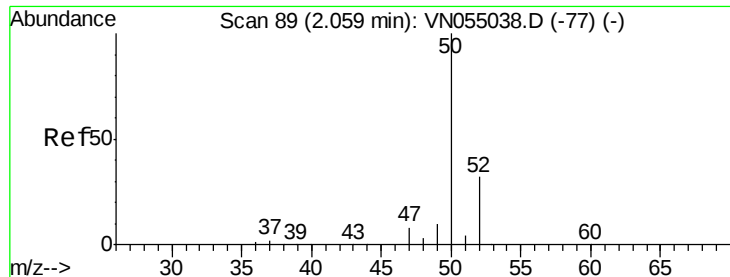
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Time-->

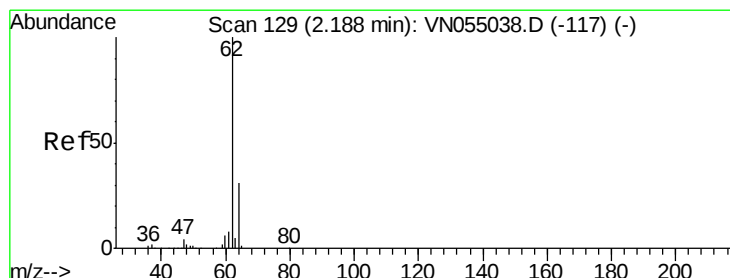
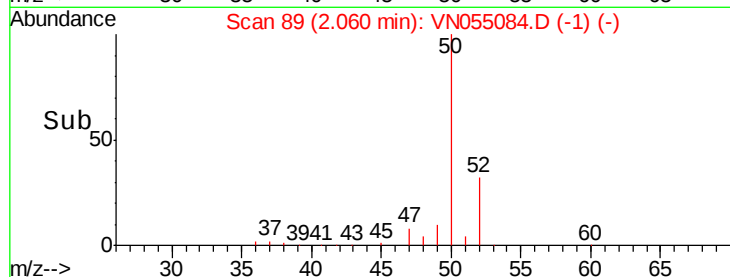
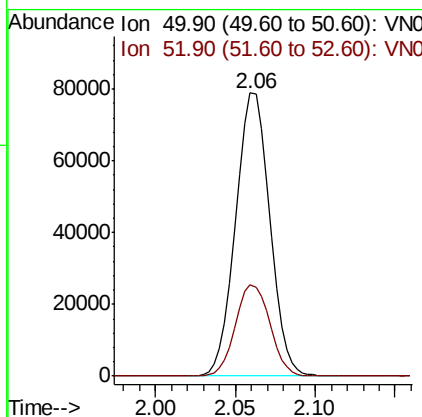
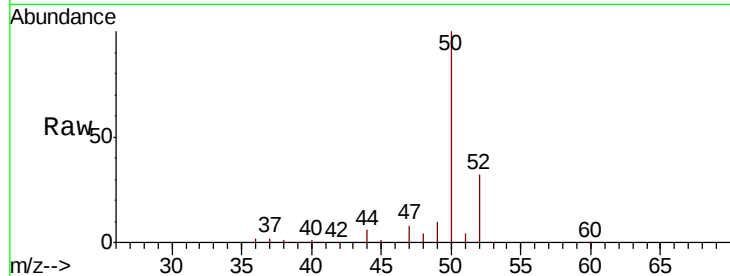




#3
Chloromethane
Concen: 20.155 ug/l
RT: 2.06 min Scan# 89
Delta R.T. 0.00 min
Lab File: VN055084.D
Acq: 16 Apr 2019 17:45

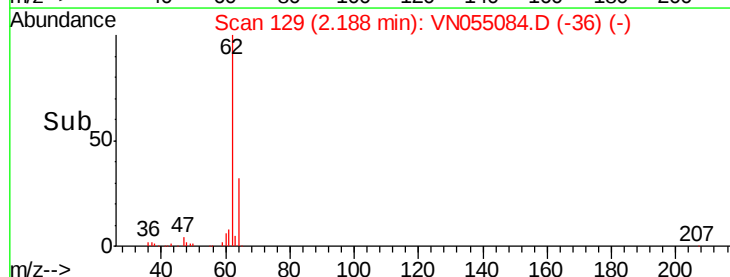
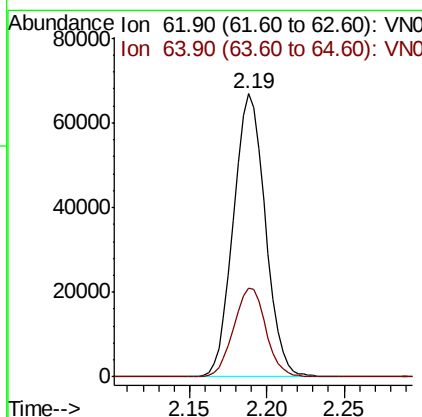
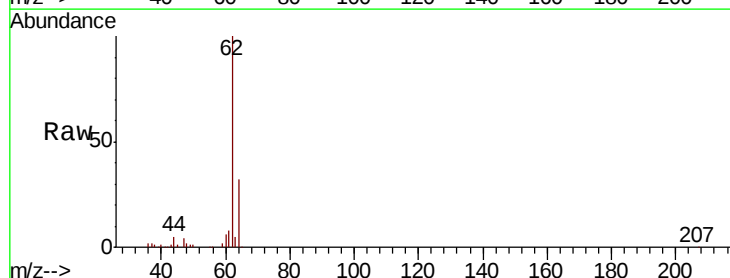
Instrument :
MSVOA_N
ClientSampleId :
VN0416WBSD02

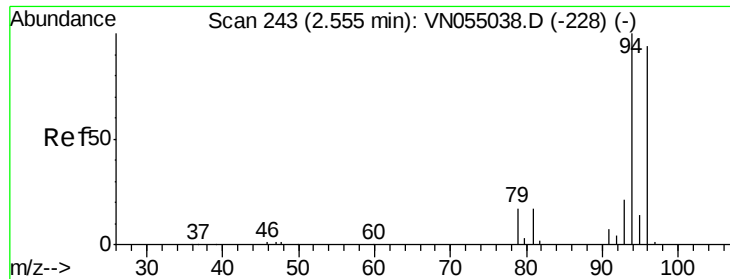
Tot Ion: 50 Resp: 114482
Ion Ratio Lower Upper
50 100
52 32.2 26.6 40.0



#4
Vinyl Chloride
Concen: 20.043 ug/l
RT: 2.19 min Scan# 129
Delta R.T. 0.00 min
Lab File: VN055084.D
Acq: 16 Apr 2019 17:45

Tgt Ion: 62 Resp: 95686
Ion Ratio Lower Upper
62 100
64 31.6 25.8 38.6





#5

Bromomethane

Concen: 19.768 ug/l

RT: 2.56 min Scan# 246

Delta R.T. 0.01 min

Lab File: VN055084.D

Acq: 16 Apr 2019 17:45

Instrument :

MSVOA_N

ClientSampleId :

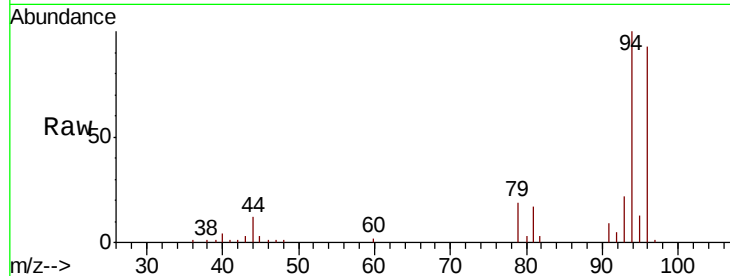
VN0416WBSD02

Tot Ion: 94 Resp: 53391

Ion Ratio Lower Upper

94 100

96 93.2 76.2 114.4



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.56

30000

25000

20000

15000

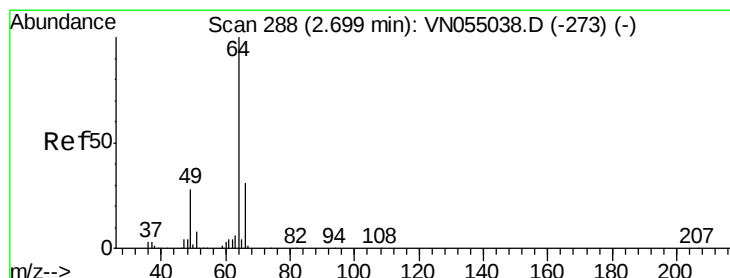
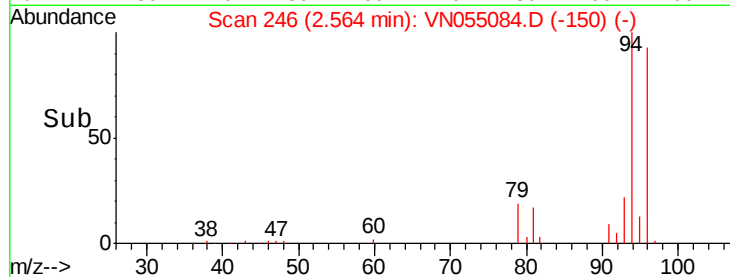
10000

5000

0

Time-->

2.50 2.55 2.60 2.65



#6

Chloroethane

Concen: 20.866 ug/l

RT: 2.71 min Scan# 290

Delta R.T. 0.01 min

Lab File: VN055084.D

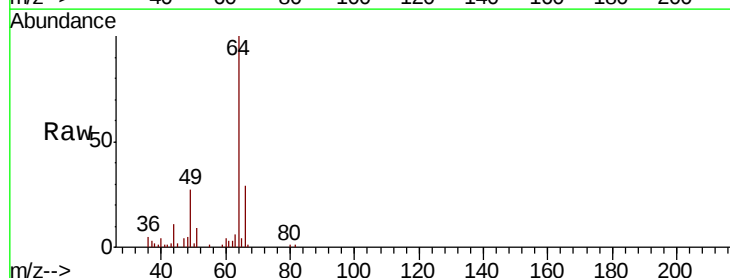
Acq: 16 Apr 2019 17:45

Tgt Ion: 64 Resp: 53722

Ion Ratio Lower Upper

64 100

66 29.2 26.6 40.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.71

30000

25000

20000

15000

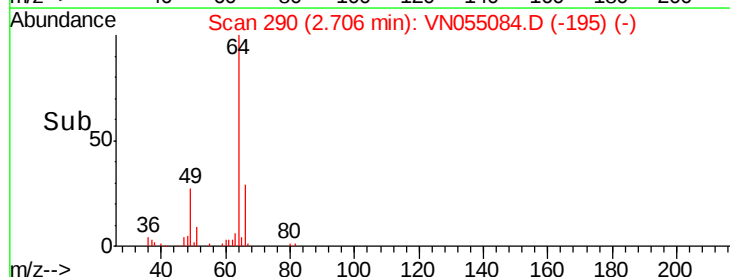
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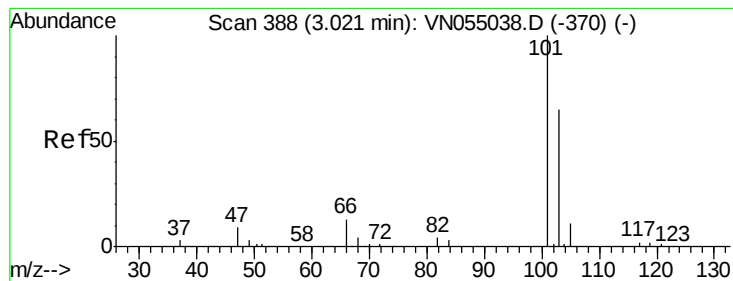
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Time-->

2.60 2.65 2.70 2.75 2.80



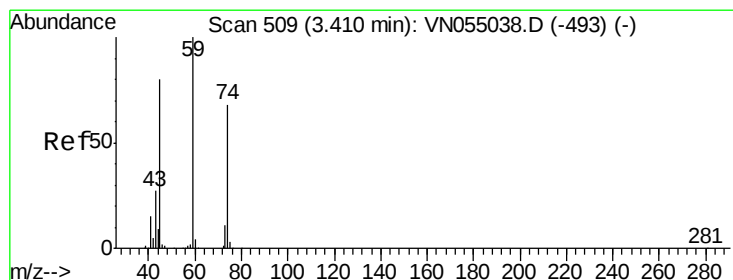
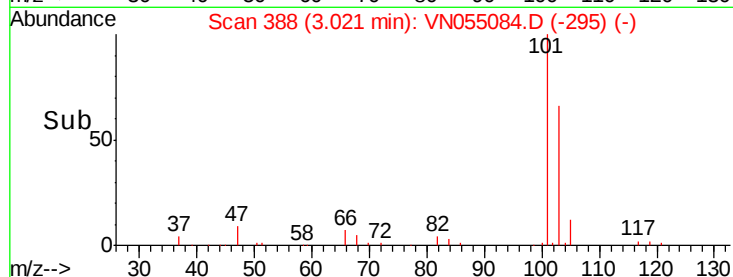
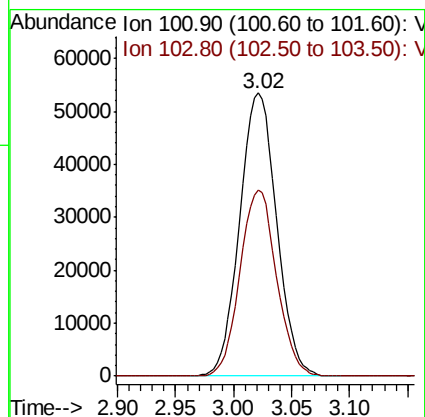
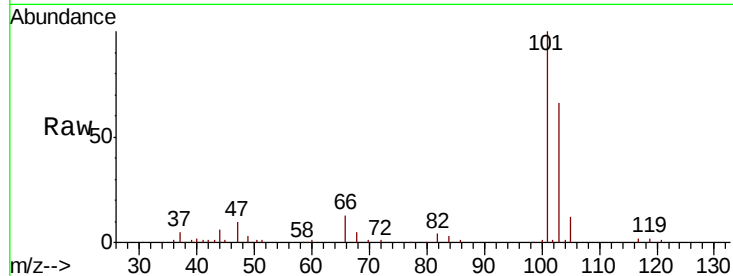


#7

Trichlorofluoromethane
Concen: 19.920 ug/l
RT: 3.02 min Scan# 388
Delta R.T. 0.00 min
Lab File: VN055084.D
Acq: 16 Apr 2019 17:45

Instrument :
MSVOA_N
ClientSampleId :
VN0416WBSD02

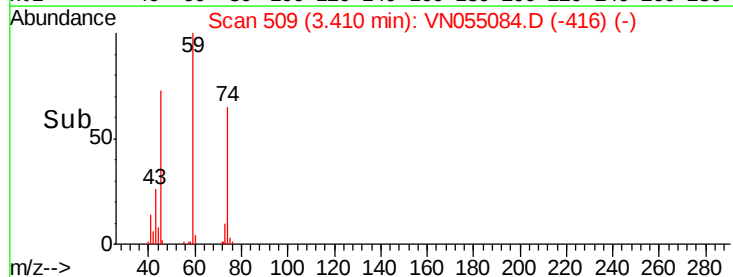
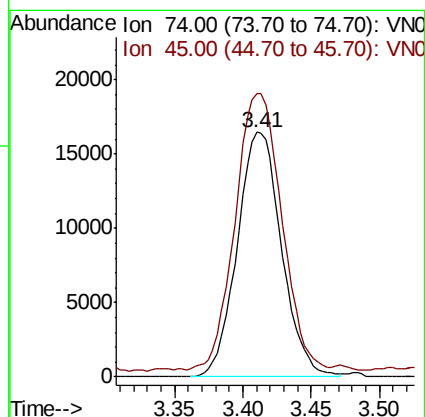
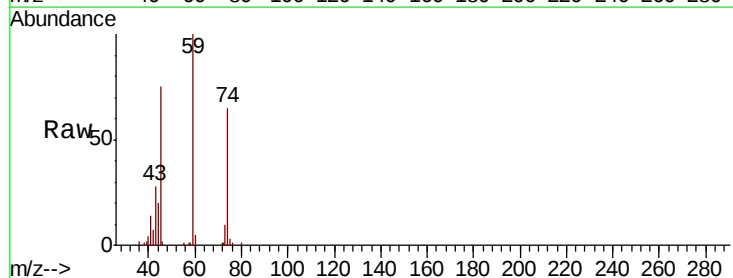
Tot Ion:101 Resp: 118938
Ion Ratio Lower Upper
101 100
103 65.7 52.5 78.7

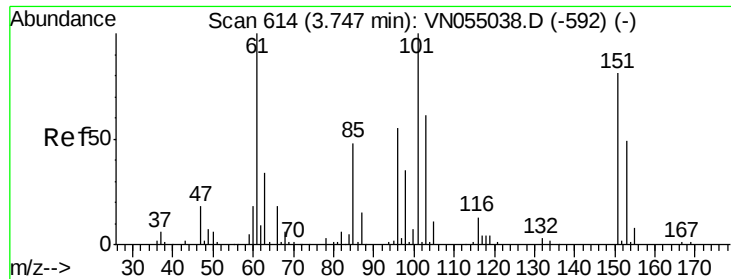


#8

Diethyl Ether
Concen: 19.467 ug/l
RT: 3.41 min Scan# 509
Delta R.T. 0.00 min
Lab File: VN055084.D
Acq: 16 Apr 2019 17:45

Tgt Ion: 74 Resp: 37101
Ion Ratio Lower Upper
74 100
45 117.9 55.7 167.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.646 ug/l

RT: 3.75 min Scan# 614

Delta R.T. 0.00 min

Lab File: VN055084.D

Acq: 16 Apr 2019 17:45

Instrument :

MSVOA_N

ClientSampleId :

VN0416WBSD02

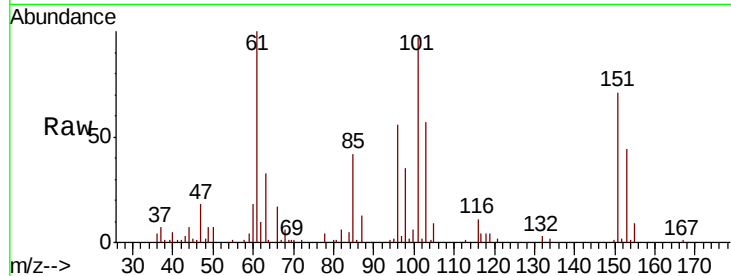
Tot Ion:101 Resp: 61385

Ion Ratio Lower Upper

101 100

85 47.3 36.9 55.3

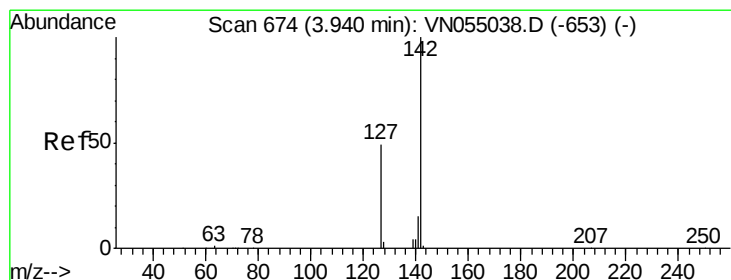
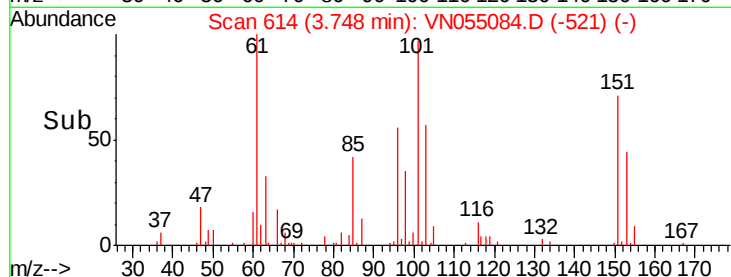
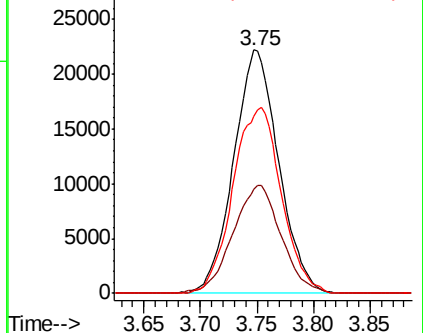
151 81.9 64.4 96.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 22.742 ug/l

RT: 3.94 min Scan# 674

Delta R.T. 0.00 min

Lab File: VN055084.D

Acq: 16 Apr 2019 17:45

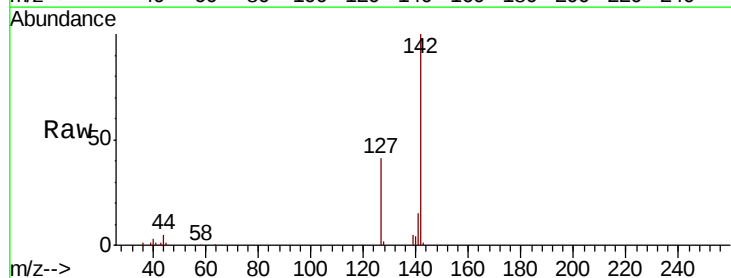
Tgt Ion:142 Resp: 110274

Ion Ratio Lower Upper

142 100

127 42.8 37.9 56.9

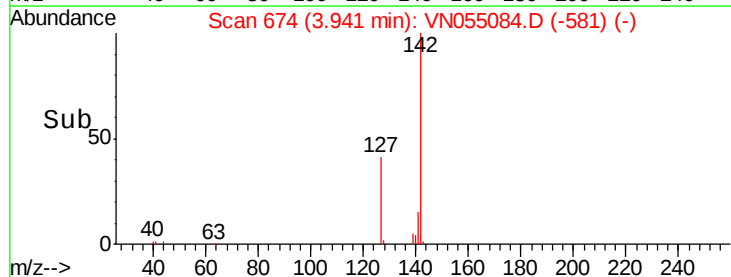
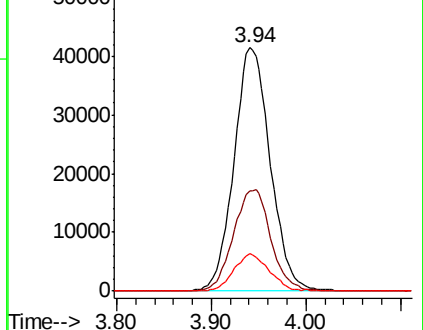
141 15.0 11.8 17.8

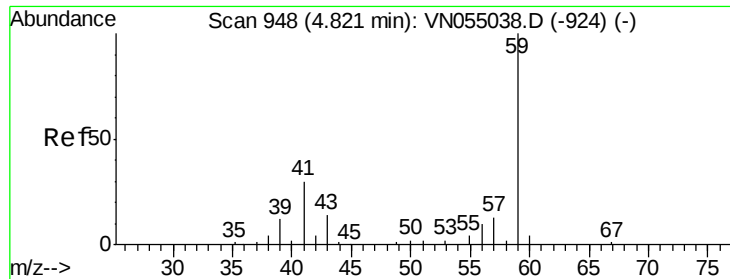


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

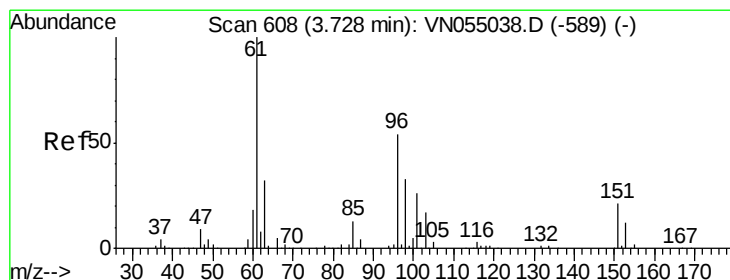
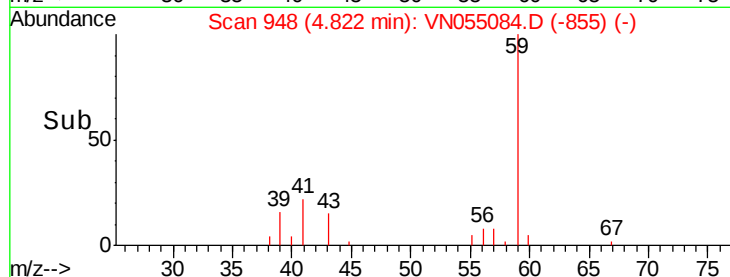
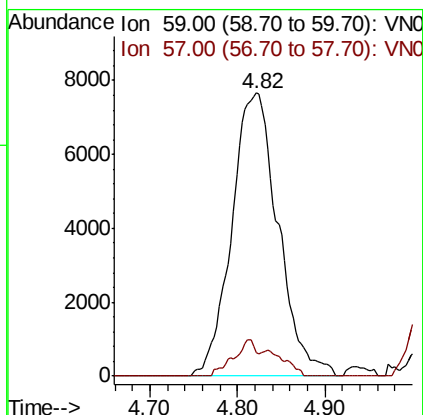
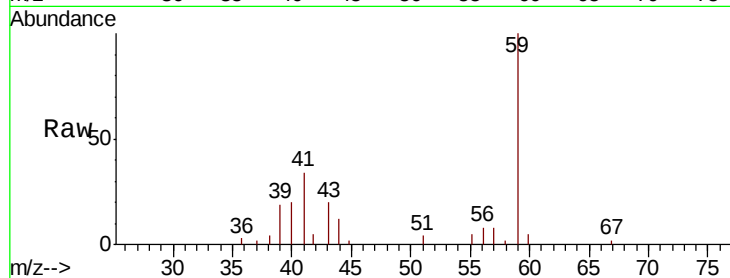




#11
Tert butyl alcohol
Concen: 100.710 ug/l
RT: 4.82 min Scan# 948
Delta R.T. 0.00 min
Lab File: VN055084.D
Acq: 16 Apr 2019 17:45

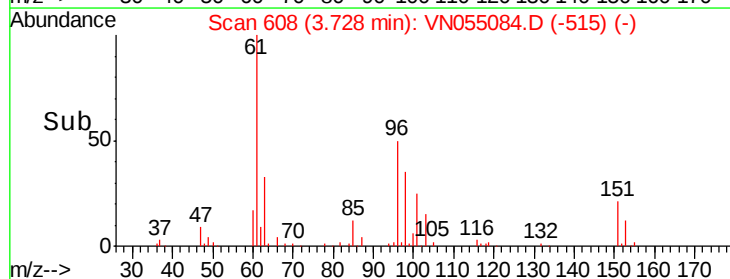
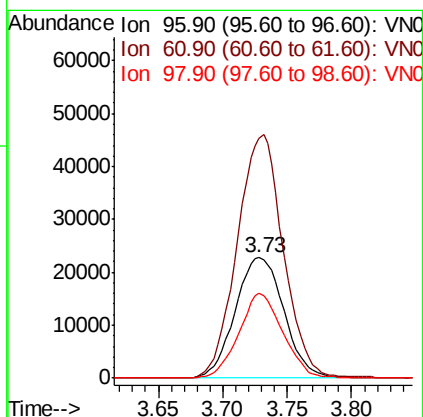
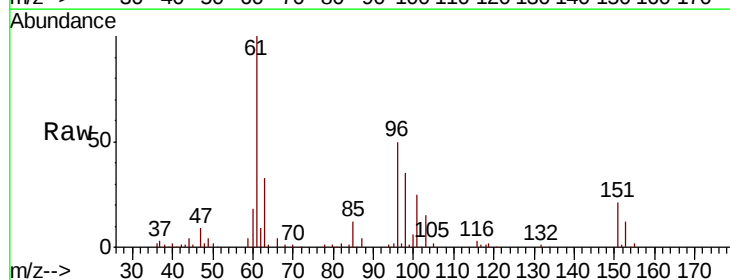
Instrument :
MSVOA_N
ClientSampleId :
VN0416WBSD02

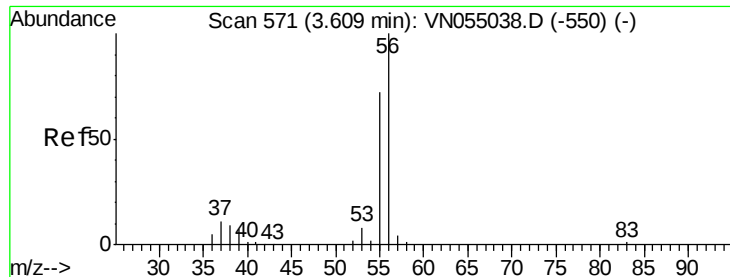
Tot Ion: 59 Resp: 28118
Ion Ratio Lower Upper
59 100
57 6.4 8.3 12.5#



#12
1,1-Dichloroethene
Concen: 19.637 ug/l
RT: 3.73 min Scan# 608
Delta R.T. 0.00 min
Lab File: VN055084.D
Acq: 16 Apr 2019 17:45

Tgt Ion: 96 Resp: 59724
Ion Ratio Lower Upper
96 100
61 199.7 154.2 231.4
98 70.3 52.9 79.3





#13

Acrolein

Concen: 81.535 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN055084.D

Acq: 16 Apr 2019 17:45

Instrument :

MSVOA_N

ClientSampleId :

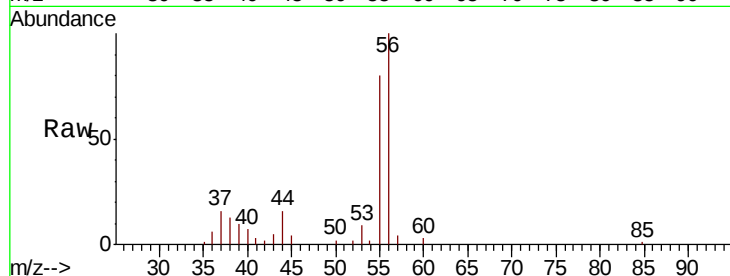
VN0416WBSD02

Tot Ion: 56 Resp: 28138

Ion Ratio Lower Upper

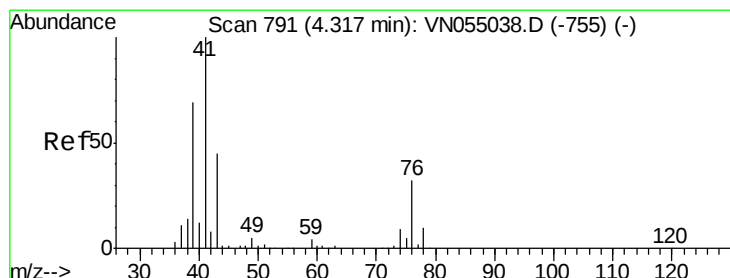
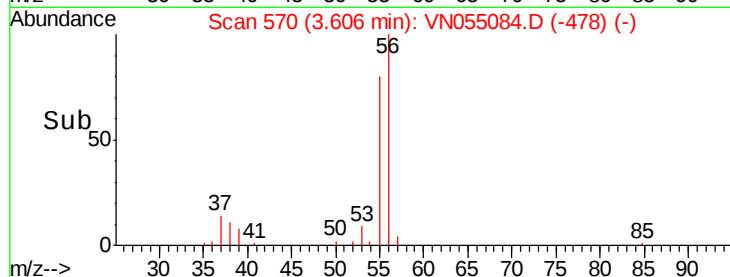
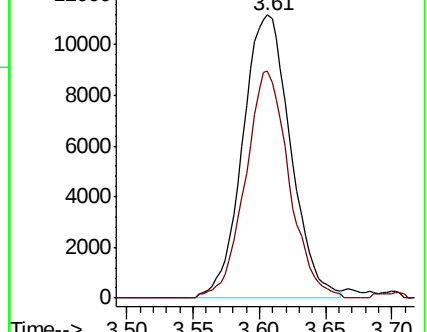
56 100

55 73.4 59.5 89.3



Abundance Ion 56.00 (55.70 to 56.70): VN055084.D (-550) (-)

Ion 55.00 (54.70 to 55.70): VN055084.D (-550) (-)



#14

Allyl chloride

Concen: 20.036 ug/l

RT: 4.31 min Scan# 790

Delta R.T. -0.00 min

Lab File: VN055084.D

Acq: 16 Apr 2019 17:45

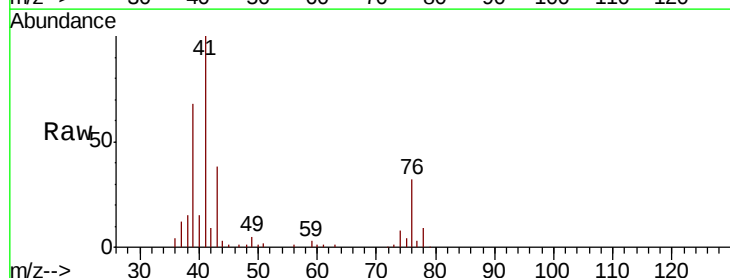
Tgt Ion: 41 Resp: 149165

Ion Ratio Lower Upper

41 100

39 66.1 52.7 79.1

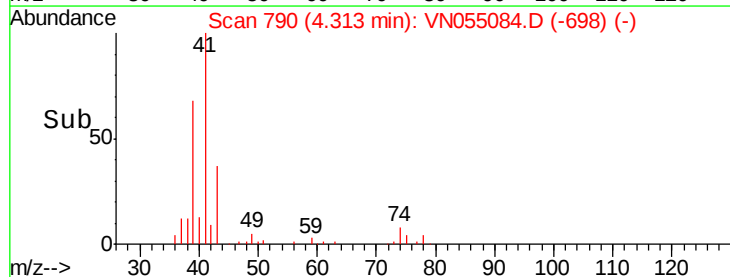
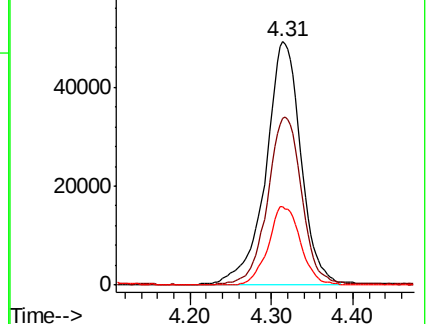
76 29.6 23.2 34.8

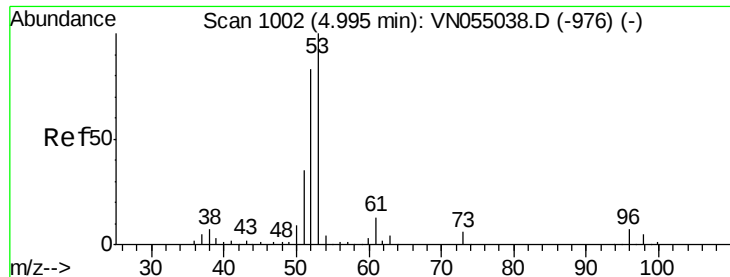


Abundance Ion 41.00 (40.70 to 41.70): VN055084.D (-698) (-)

Ion 39.00 (38.70 to 39.70): VN055084.D (-698) (-)

Ion 75.90 (75.60 to 76.60): VN055084.D (-698) (-)





#15

Acrylonitrile

Concen: 100.909 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VN055084.D

Acq: 16 Apr 2019 17:45

Instrument :

MSVOA_N

ClientSampleId :

VN0416WBSD02

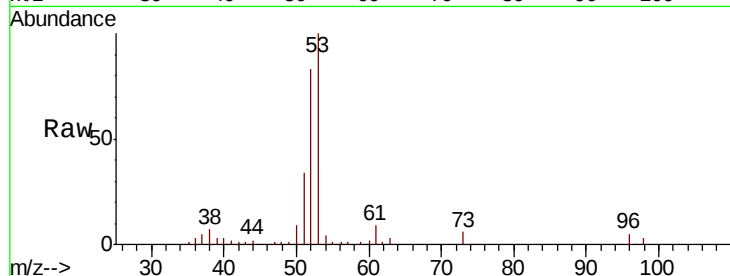
Tot Ion: 53 Resp: 168563

Ion Ratio Lower Upper

53 100

52 82.1 65.9 98.9

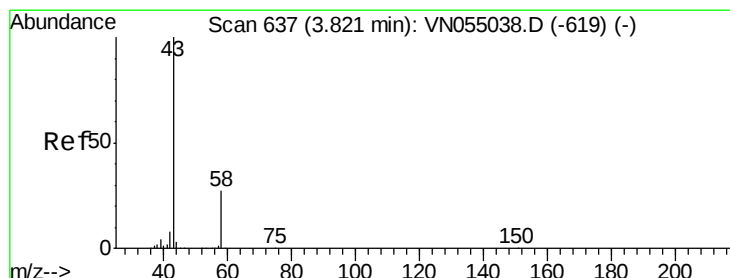
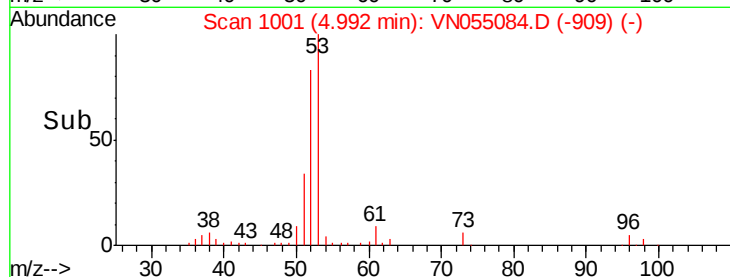
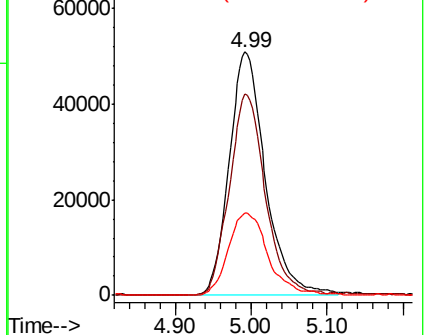
51 37.3 29.7 44.5



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: 80.077 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.00 min

Lab File: VN055084.D

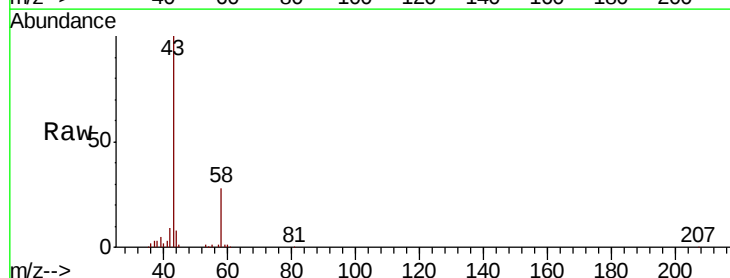
Acq: 16 Apr 2019 17:45

Tgt Ion: 43 Resp: 110706

Ion Ratio Lower Upper

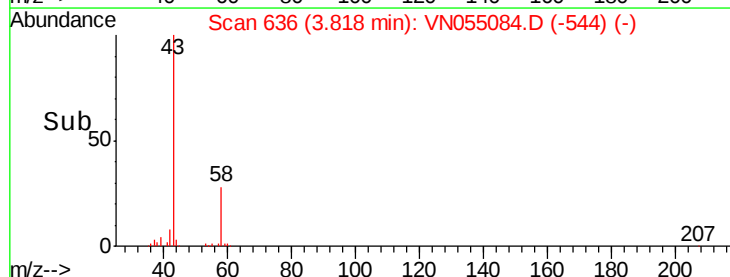
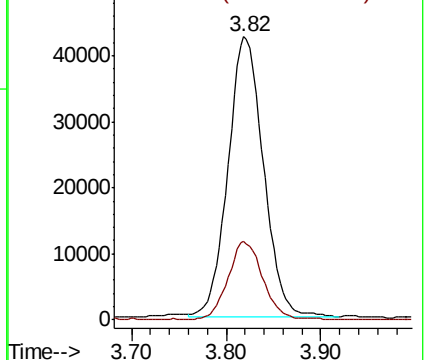
43 100

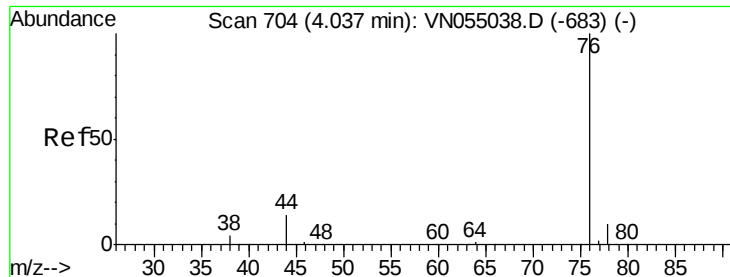
58 28.1 20.9 31.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 19.102 ug/l

RT: 4.04 min Scan# 705

Delta R.T. 0.00 min

Lab File: VN055084.D

Acq: 16 Apr 2019 17:45

Instrument :

MSVOA_N

ClientSampleId :

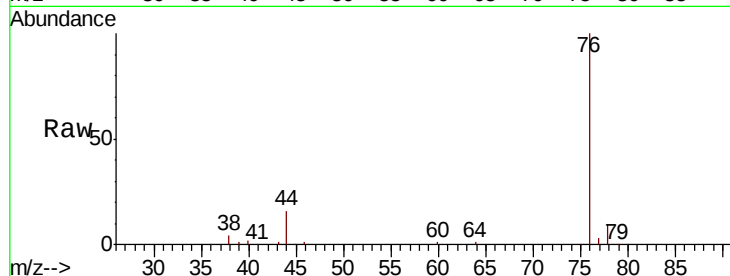
VN0416WBSD02

Tot Ion: 76 Resp: 187546

Ion Ratio Lower Upper

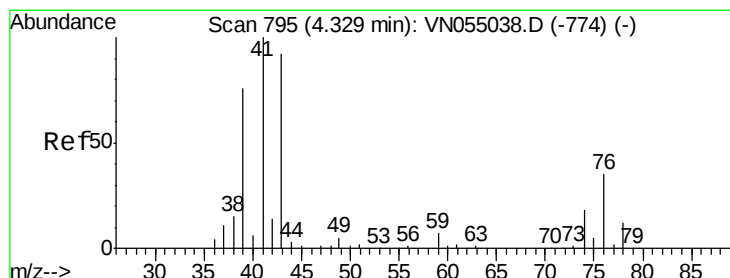
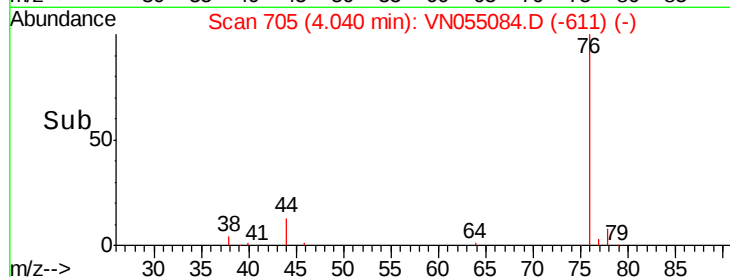
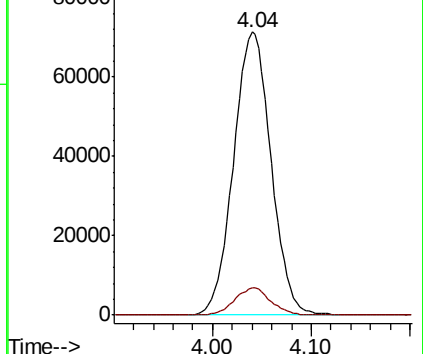
76 100

78 9.7 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 20.712 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN055084.D

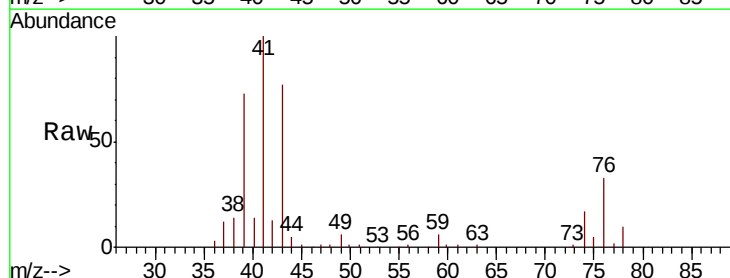
Acq: 16 Apr 2019 17:45

Tgt Ion: 43 Resp: 83547

Ion Ratio Lower Upper

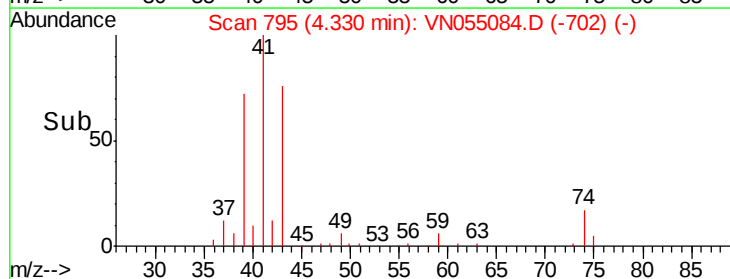
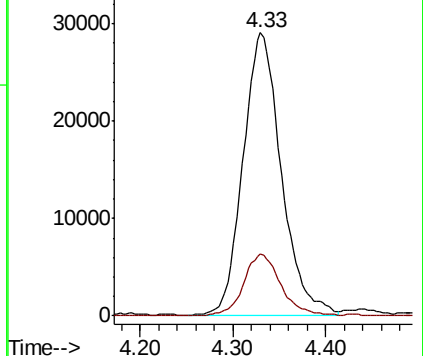
43 100

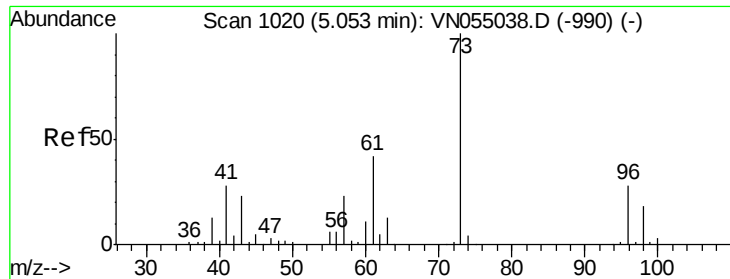
74 21.3 16.1 24.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

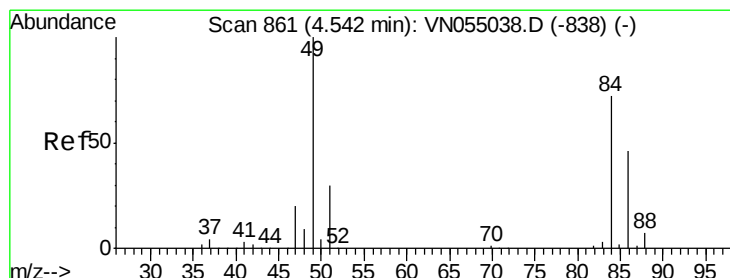
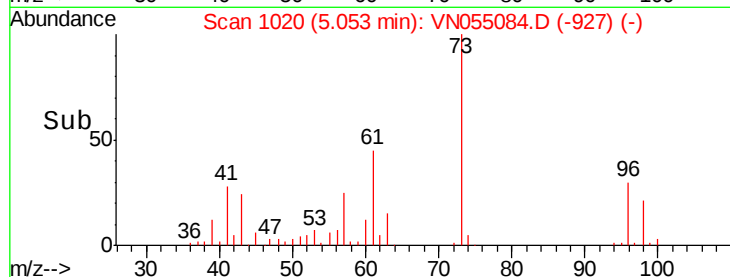
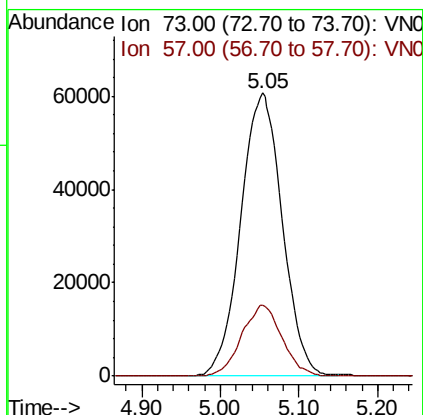
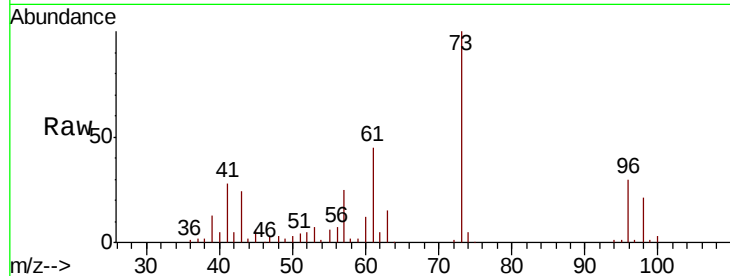




#19
Methyl tert-butyl Ether
Concen: 20.700 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VN055084.D
Acq: 16 Apr 2019 17:45

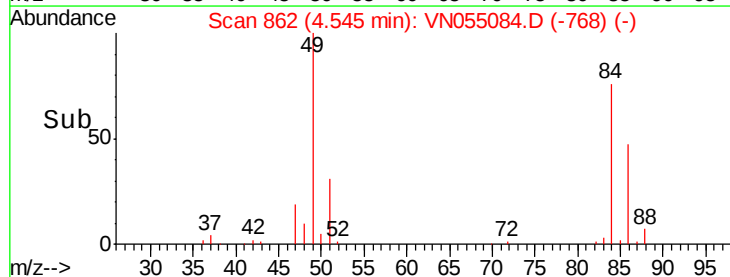
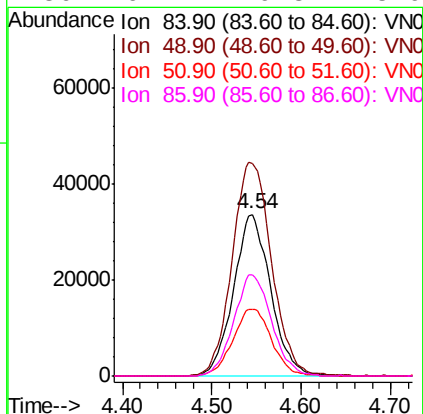
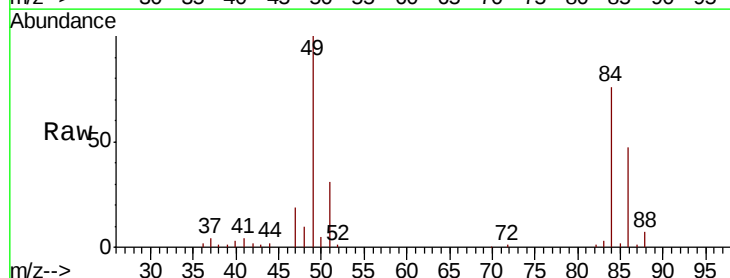
Instrument :
MSVOA_N
ClientSampleId :
VN0416WBSD02

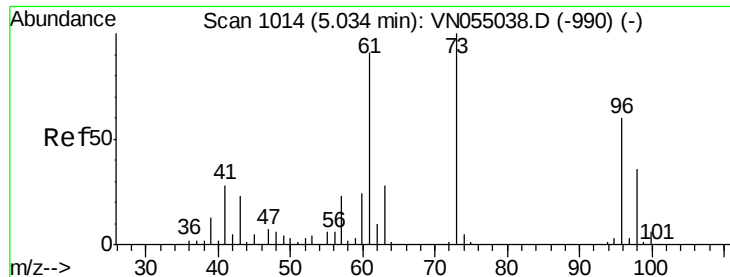
Tot Ion: 73 Resp: 225215
Ion Ratio Lower Upper
73 100
57 25.2 19.0 28.4



#20
Methylene Chloride
Concen: 20.086 ug/l
RT: 4.54 min Scan# 862
Delta R.T. 0.00 min
Lab File: VN055084.D
Acq: 16 Apr 2019 17:45

Tgt Ion: 84 Resp: 97619
Ion Ratio Lower Upper
84 100
49 131.6 109.4 164.2
51 41.0 32.2 48.4
86 62.4 49.3 73.9

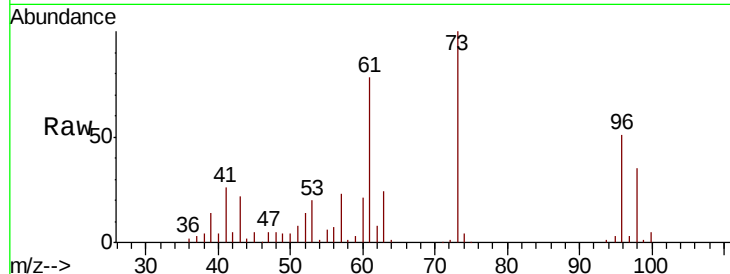




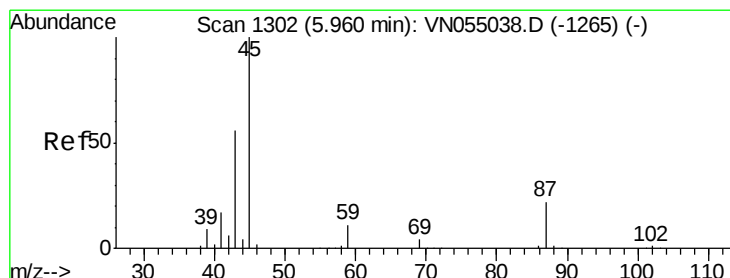
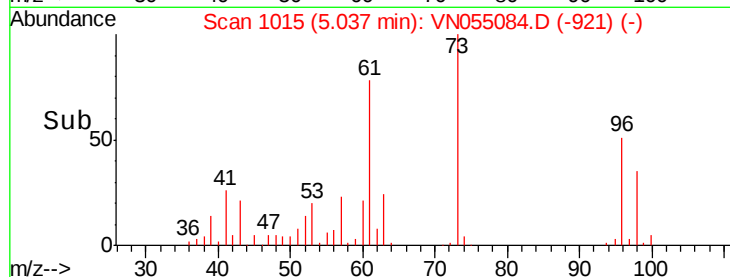
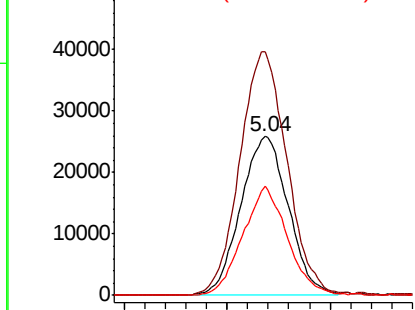
#21
trans-1,2-Dichloroethene
Concen: 20.172 ug/l
RT: 5.04 min Scan# 1015
Delta R.T. 0.00 min
Lab File: VN055084.D
Acq: 16 Apr 2019 17:45

Instrument :
MSVOA_N
ClientSampled :
VN0416WBSD02

Tot Ion: 96 Resp: 82978
Ion Ratio Lower Upper
96 100
61 153.2 114.9 172.3
98 68.6 48.4 72.6

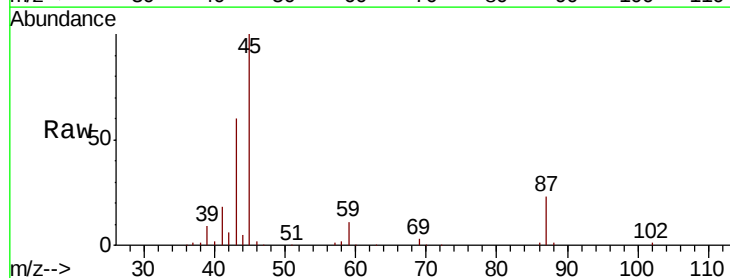


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

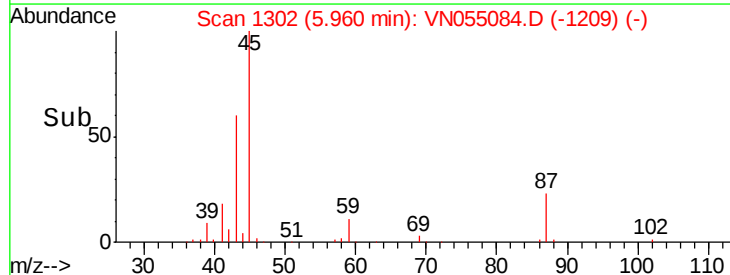
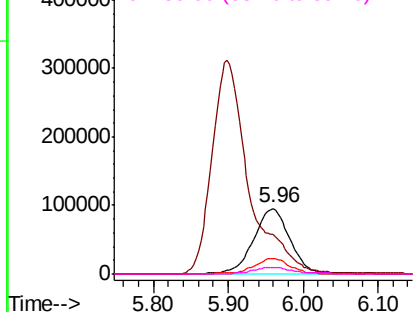


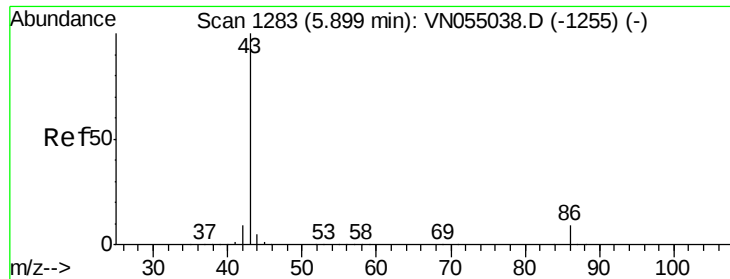
#22
Diisopropyl ether
Concen: 21.103 ug/l
RT: 5.96 min Scan# 1302
Delta R.T. 0.00 min
Lab File: VN055084.D
Acq: 16 Apr 2019 17:45

Tgt Ion: 45 Resp: 322959
Ion Ratio Lower Upper
45 100
43 57.6 44.8 67.2
87 22.7 18.9 28.3
59 10.3 7.9 11.9



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: 106.025 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN055084.D

Acq: 16 Apr 2019 17:45

Instrument :

MSVOA_N

ClientSampleId :

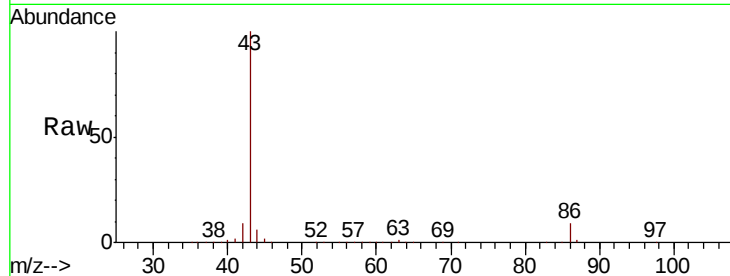
VN0416WBSD02

Tot Ion: 43 Resp: 1072543

Ion Ratio Lower Upper

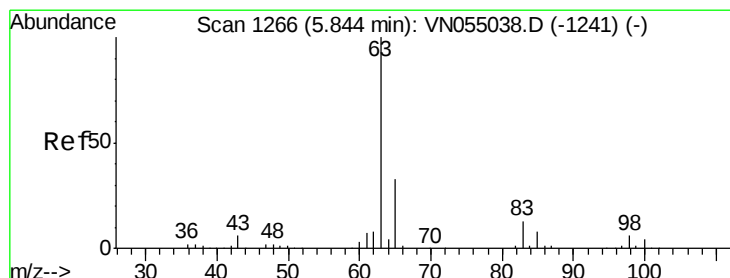
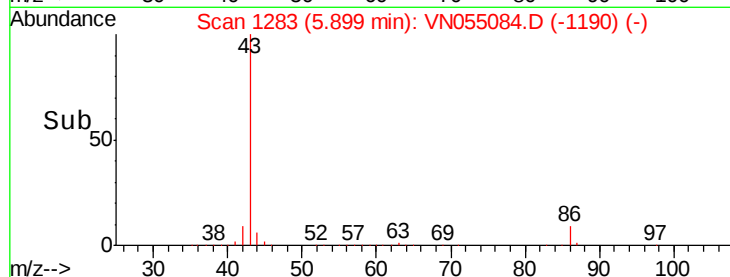
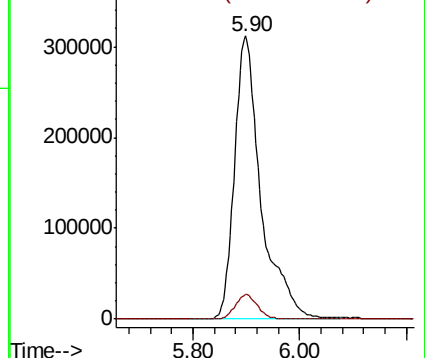
43 100

86 8.8 7.0 10.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 20.808 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VN055084.D

Acq: 16 Apr 2019 17:45

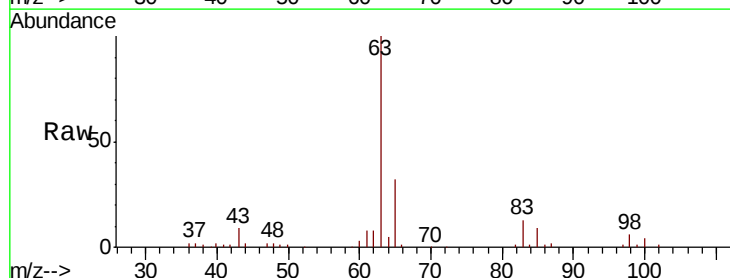
Tgt Ion: 63 Resp: 169584

Ion Ratio Lower Upper

63 100

98 5.7 2.8 8.4

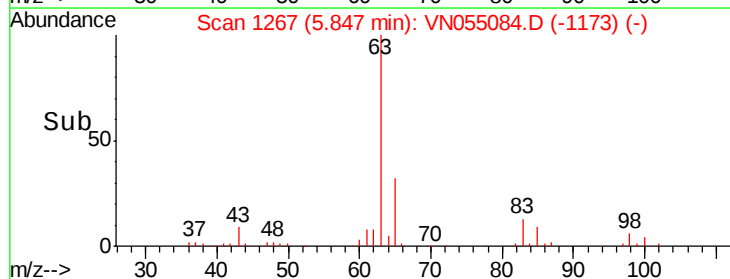
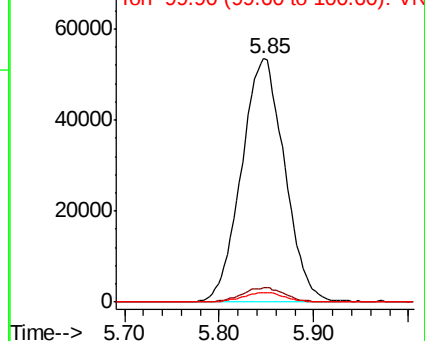
100 3.6 2.0 5.8

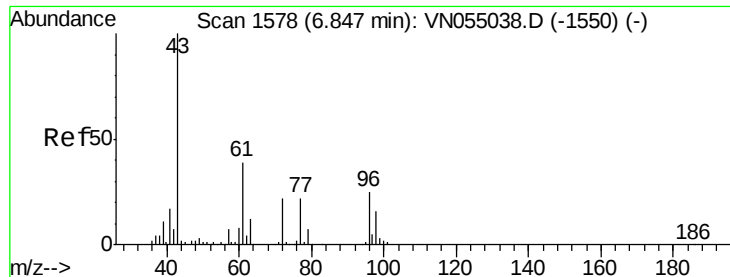


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 96.211 ug/l

RT: 6.85 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VN055084.D

Acq: 16 Apr 2019 17:45

Instrument :

MSVOA_N

ClientSampleId :

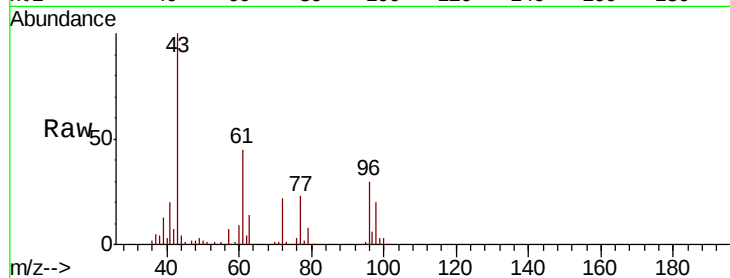
VN0416WBSD02

Tot Ion: 43 Resp: 198517

Ion Ratio Lower Upper

43 100

72 22.2 18.1 27.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.85

80000

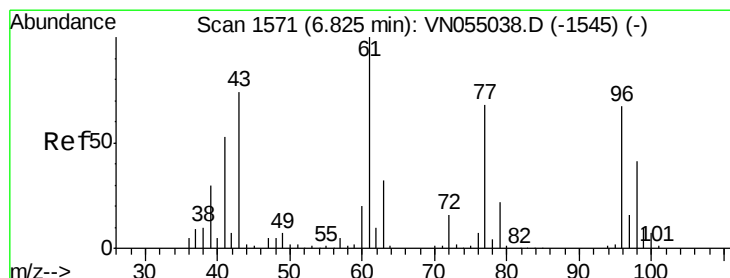
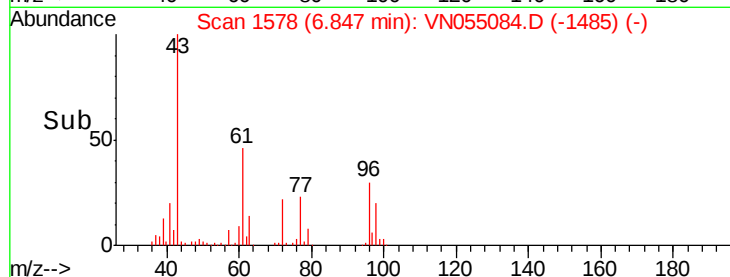
60000

40000

20000

0

Time--> 6.70 6.80 6.90



#26

2,2-Dichloropropane

Concen: 18.698 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN055084.D

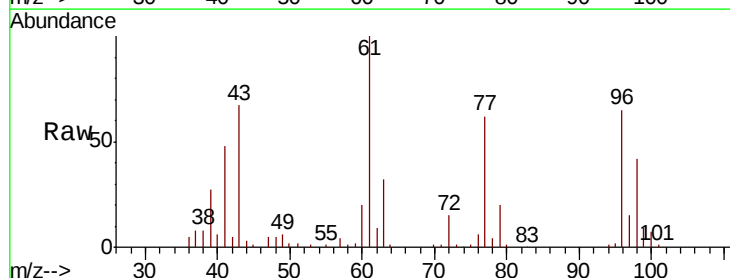
Acq: 16 Apr 2019 17:45

Tgt Ion: 77 Resp: 96179

Ion Ratio Lower Upper

77 100

97 24.1 11.3 33.9



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

6.82

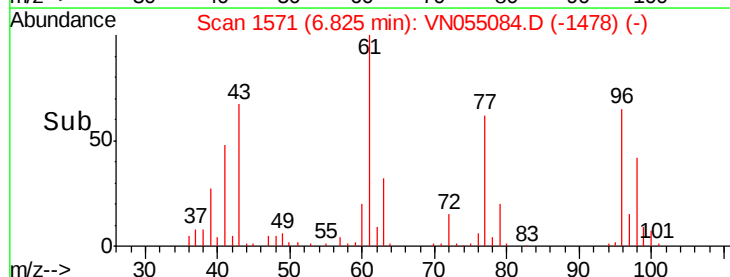
30000

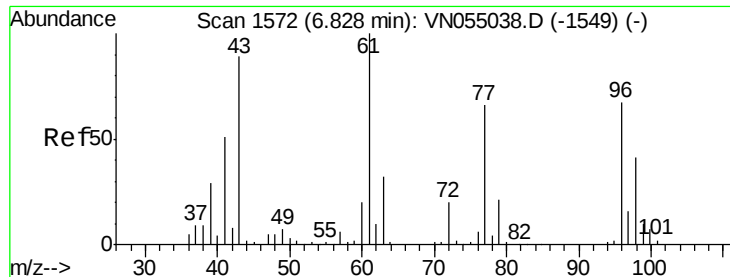
20000

10000

0

Time--> 6.70 6.80 6.90





#27

cis-1,2-Dichloroethene

Concen: 20.430 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN055084.D

Acq: 16 Apr 2019 17:45

Instrument :

MSVOA_N

ClientSampleId :

VN0416WBSD02

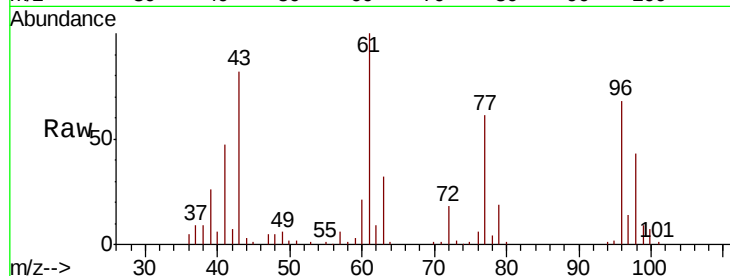
Tot Ion: 96 Resp: 95078

Ion Ratio Lower Upper

96 100

61 154.4 0.0 311.0

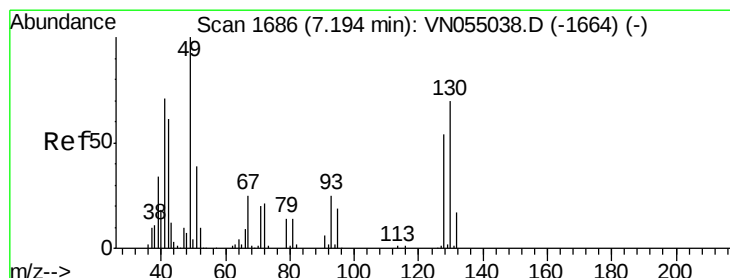
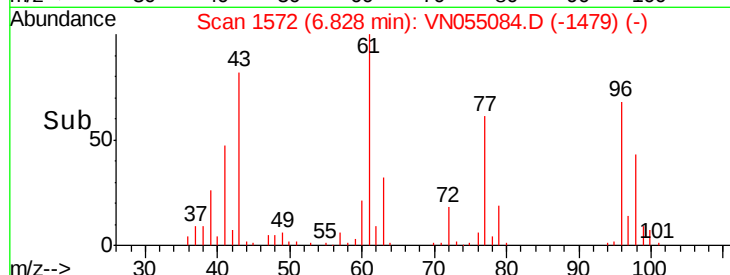
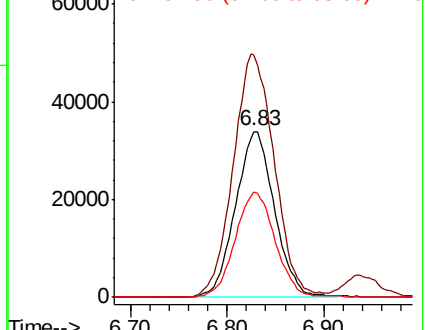
98 65.0 0.0 127.4



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 20.123 ug/l

RT: 7.19 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VN055084.D

Acq: 16 Apr 2019 17:45

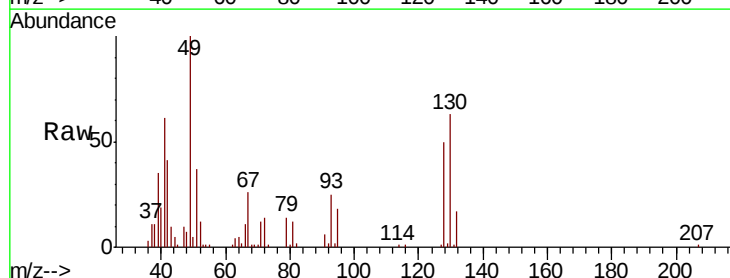
Tgt Ion: 49 Resp: 79056

Ion Ratio Lower Upper

49 100

129 1.9 0.0 2.0

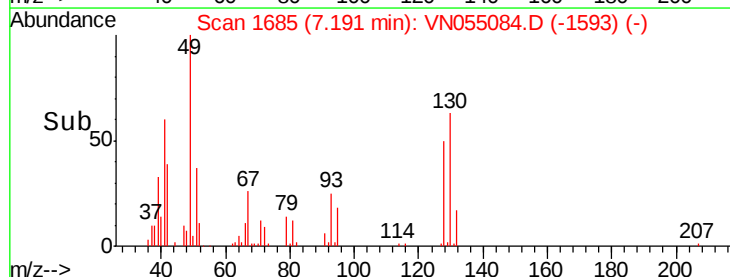
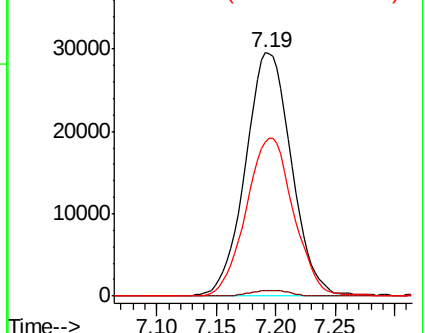
130 67.1 53.4 80.2

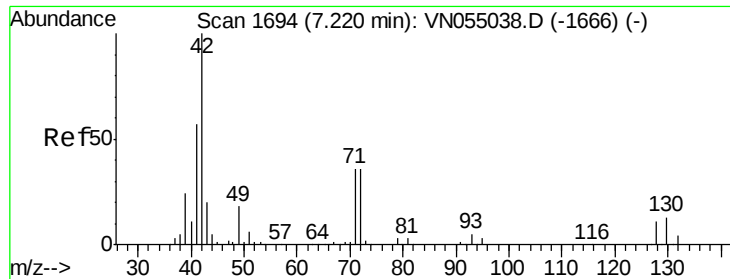


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

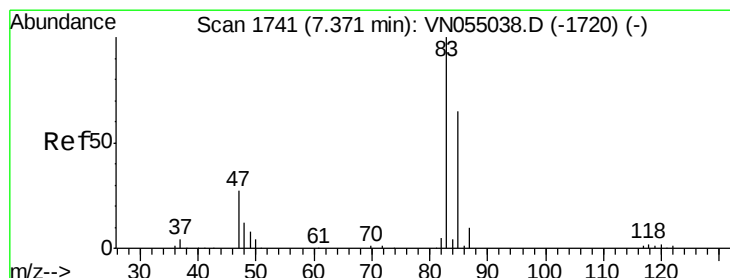
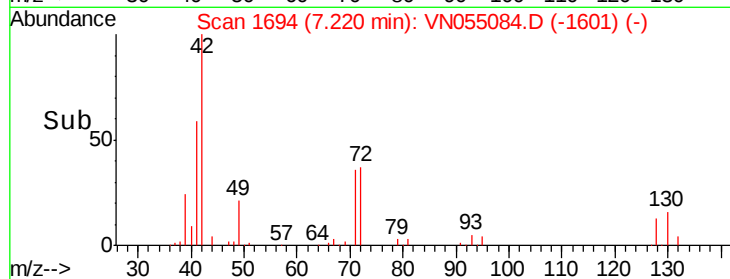
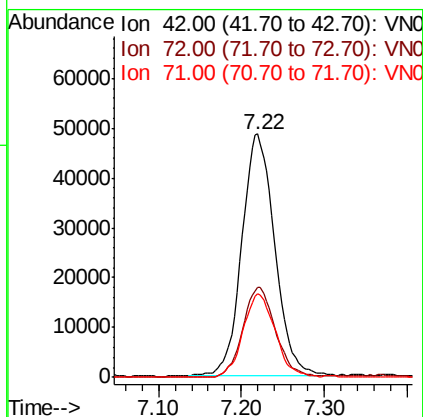
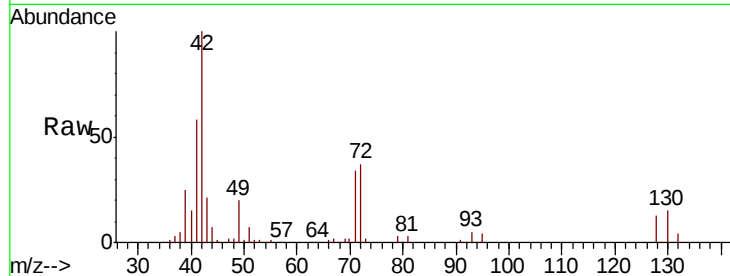




#29
Tetrahydrofuran
Concen: 99.646 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.00 min
Lab File: VN055084.D
Acq: 16 Apr 2019 17:45

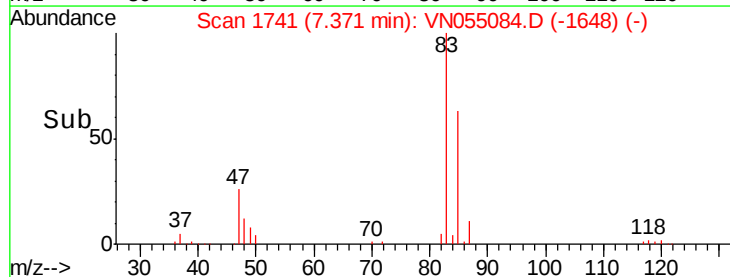
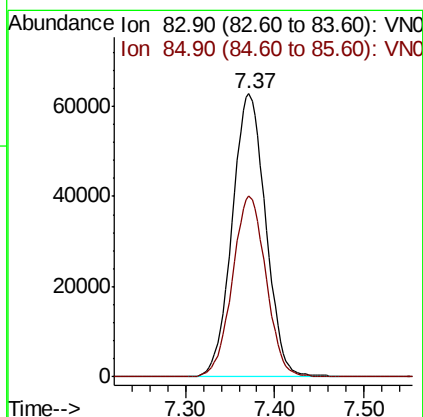
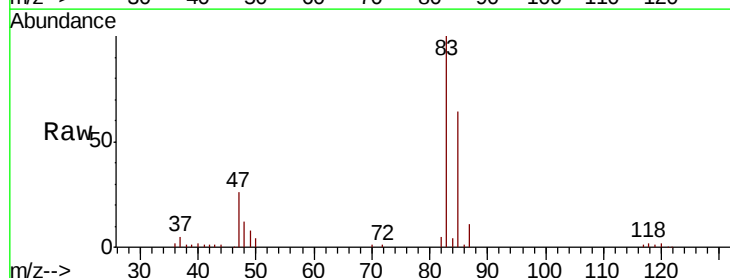
Instrument :
MSVOA_N
ClientSampleId :
VN0416WBSD02

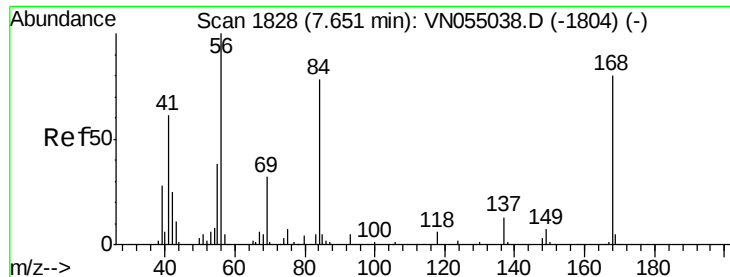
Tot Ion: 42 Resp: 134829
Ion Ratio Lower Upper
42 100
72 36.6 29.4 44.0
71 33.6 27.8 41.6



#30
Chloroform
Concen: 20.624 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN055084.D
Acq: 16 Apr 2019 17:45

Tgt Ion: 83 Resp: 163267
Ion Ratio Lower Upper
83 100
85 63.7 51.8 77.6

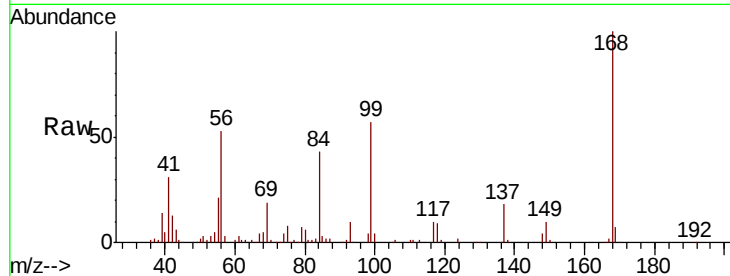




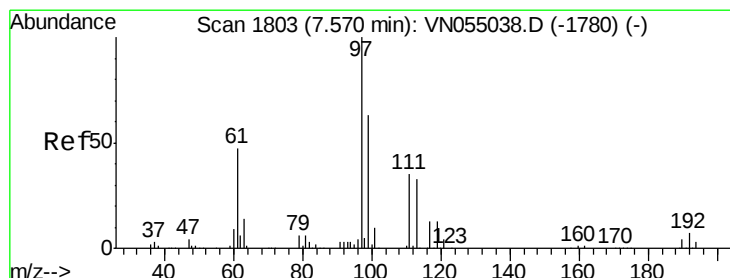
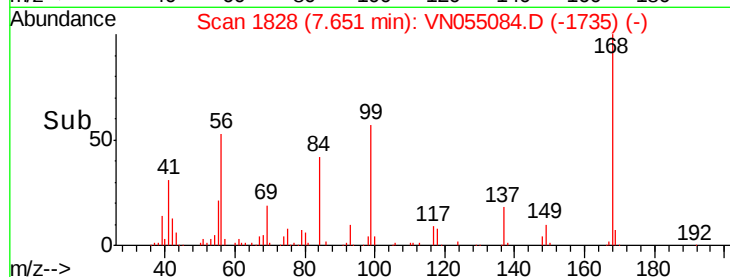
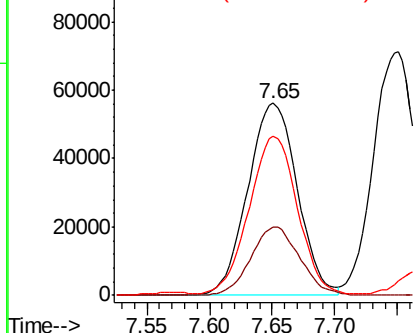
#31
Cyclohexane
Concen: 20.741 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN055084.D
Acq: 16 Apr 2019 17:45

Instrument :
MSVOA_N
ClientSampleId :
VN0416WBSD02

Tot Ion: 56 Resp: 154712
Ion Ratio Lower Upper
56 100
69 35.4 24.5 36.7
84 81.6 62.9 94.3

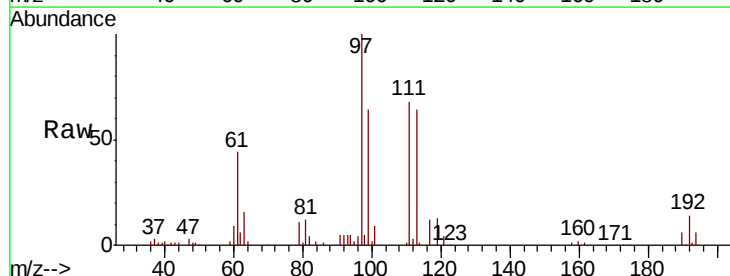


Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO

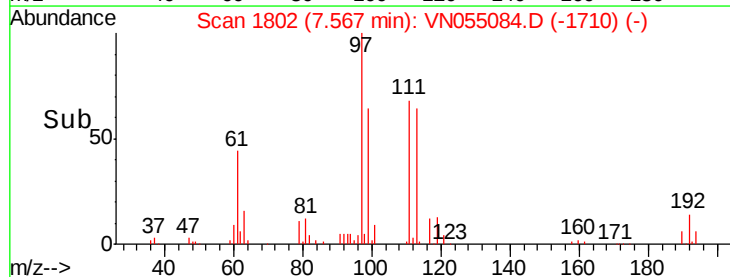
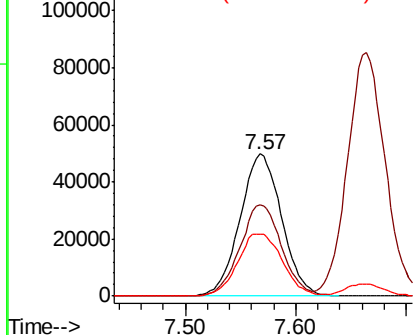


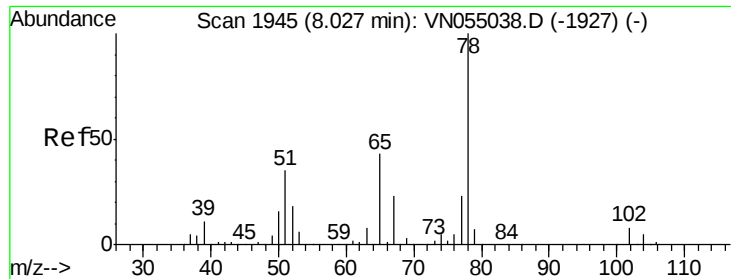
#32
1,1,1-Trichloroethane
Concen: 20.773 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. -0.00 min
Lab File: VN055084.D
Acq: 16 Apr 2019 17:45

Tgt Ion: 97 Resp: 130289
Ion Ratio Lower Upper
97 100
99 64.1 51.6 77.4
61 46.9 38.3 57.5



Abundance Ion 96.90 (96.60 to 97.60): VNO
Ion 98.90 (98.60 to 99.60): VNO
Ion 60.90 (60.60 to 61.60): VNO

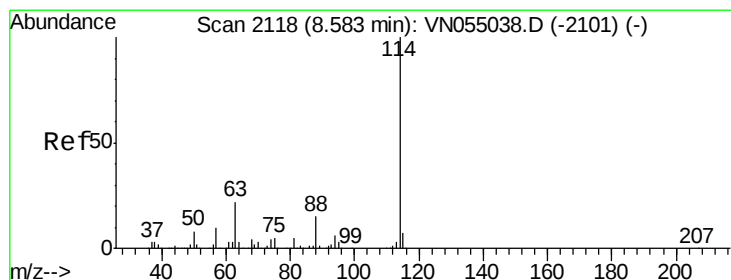
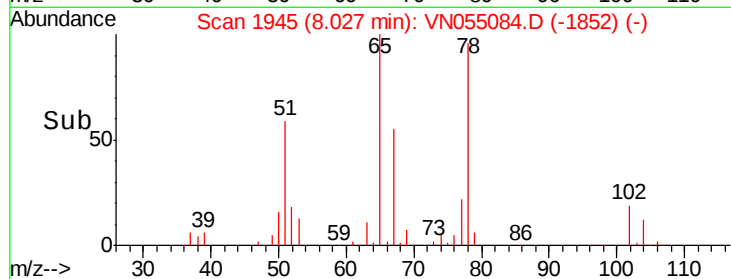
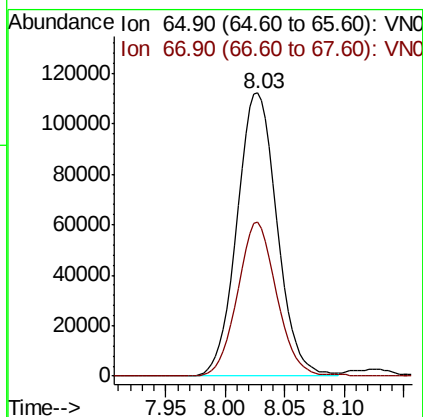
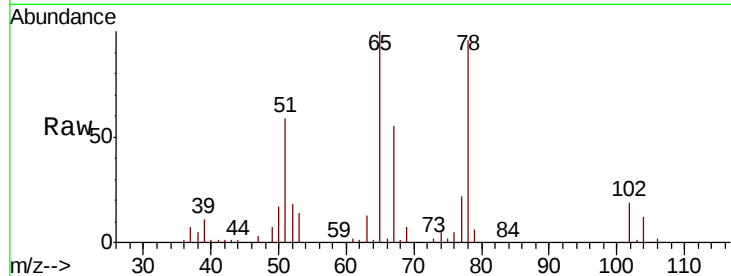




#33
 1,2-Dichloroethane-d4
 Concen: 51.420 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055084.D
 Acq: 16 Apr 2019 17:45

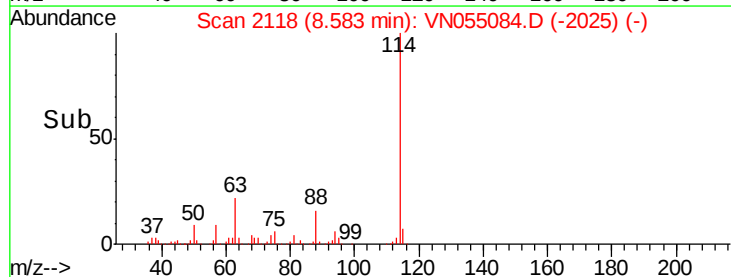
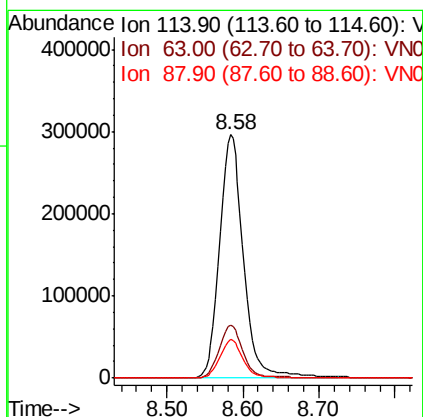
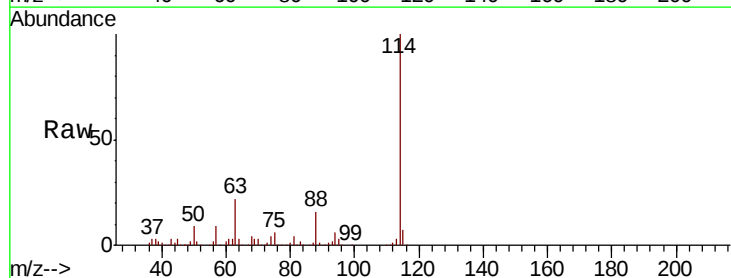
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0416WBSD02

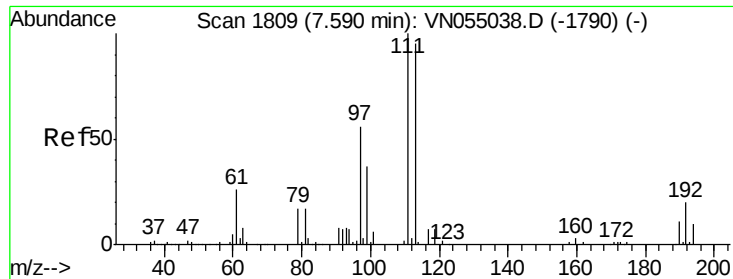
Tot Ion: 65 Resp: 261915
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 106.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN055084.D
 Acq: 16 Apr 2019 17:45

Tgt Ion: 114 Resp: 649726
 Ion Ratio Lower Upper
 114 100
 63 21.8 0.0 45.2
 88 15.7 0.0 31.8

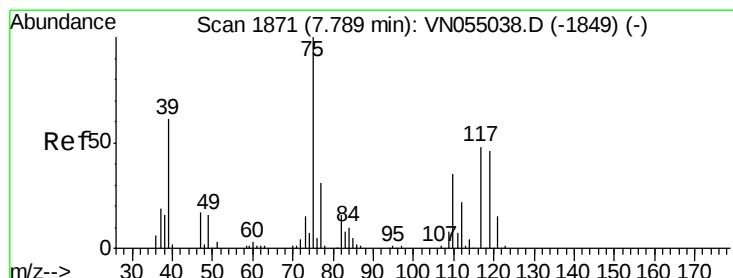
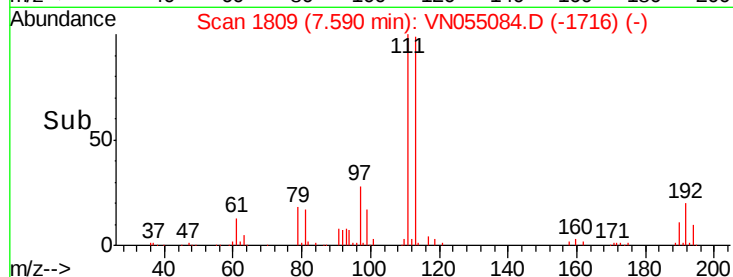
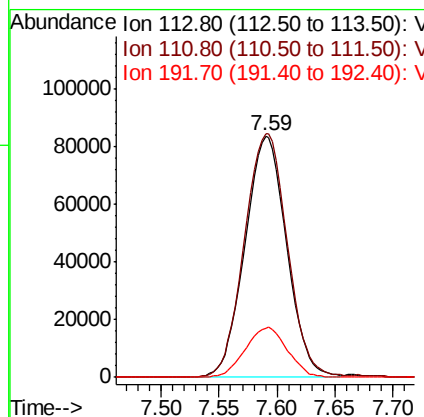
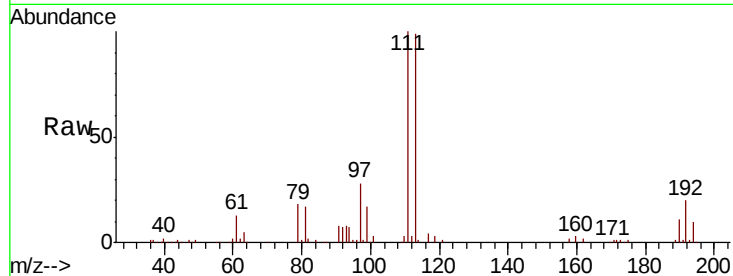




#35
 Dibromofluoromethane
 Concen: 48.198 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN055084.D
 Acq: 16 Apr 2019 17:45

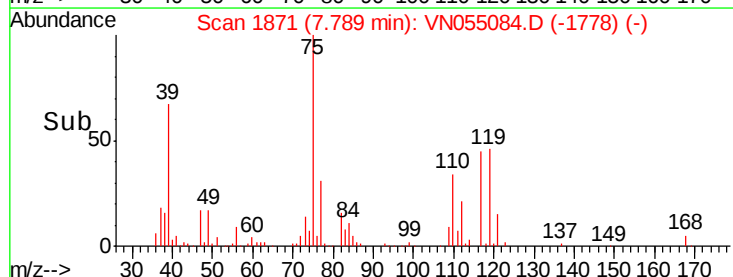
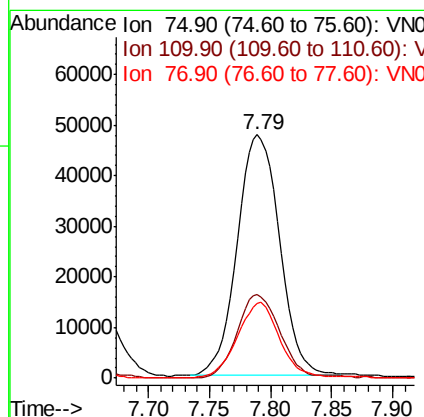
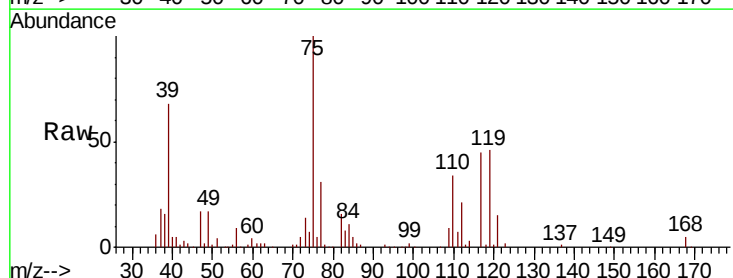
Instrument :
 MSVOA_N
 ClientSampleID :
 VN0416WBSD02

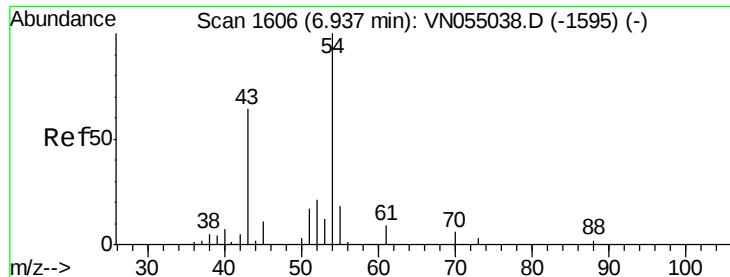
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.7	82.1	123.1
192	20.9	16.5	24.7



#36
 1,1-Dichloropropene
 Concen: 18.641 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN055084.D
 Acq: 16 Apr 2019 17:45

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.2	17.5	52.5
77	31.5	24.9	37.3

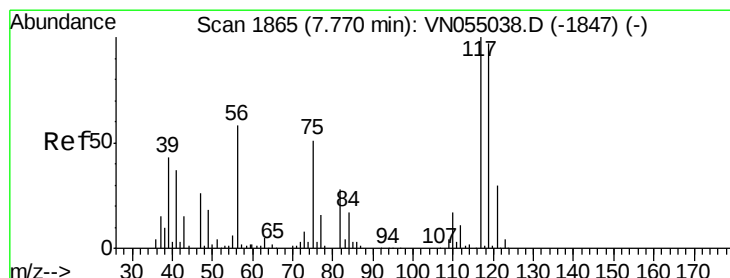
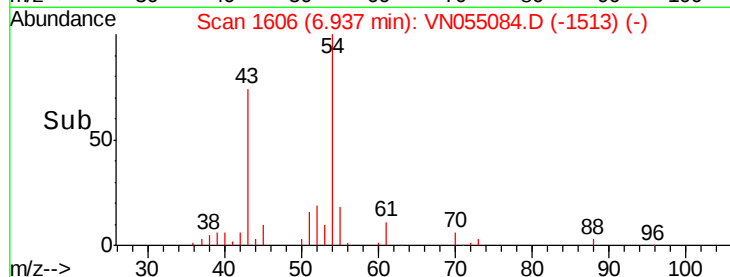
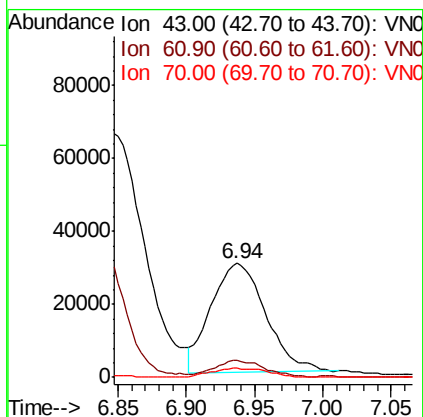
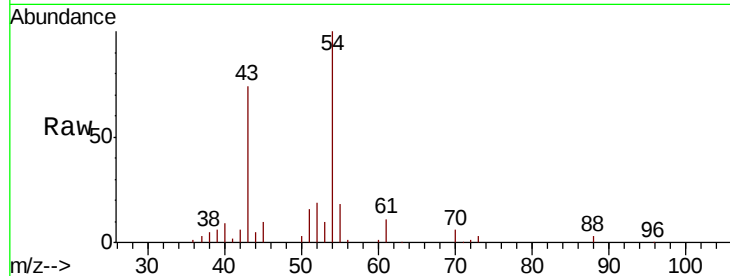




#37
Ethyl Acetate
Concen: 16.842 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. 0.00 min
Lab File: VN055084.D
Acq: 16 Apr 2019 17:45

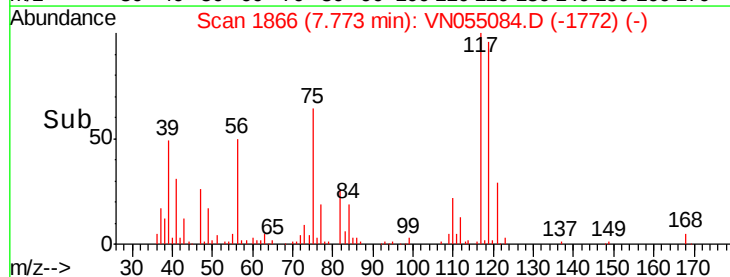
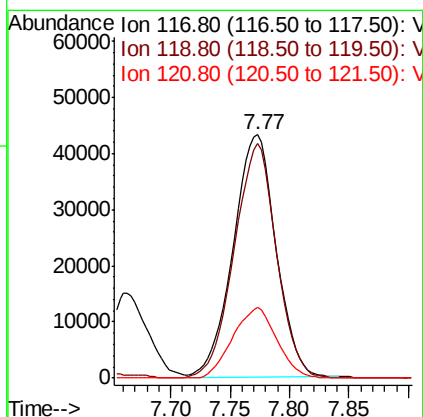
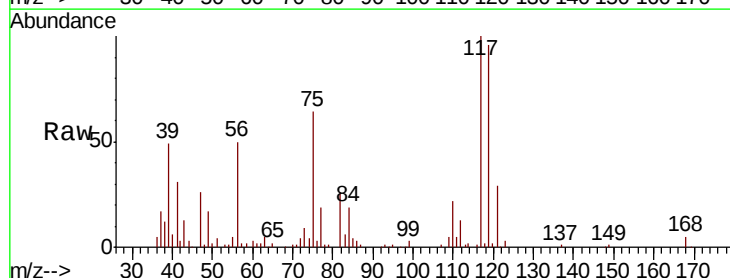
Instrument :
MSVOA_N
ClientSampleId :
VN0416WBSD02

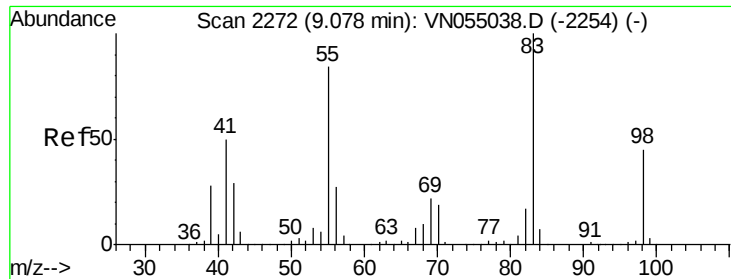
Tot Ion: 43 Resp: 83979
Ion Ratio Lower Upper
43 100
61 13.0 10.0 15.0
70 8.7 7.1 10.7



#38
Carbon Tetrachloride
Concen: 18.508 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN055084.D
Acq: 16 Apr 2019 17:45

Tgt Ion: 117 Resp: 107850
Ion Ratio Lower Upper
117 100
119 96.7 76.3 114.5
121 29.3 23.9 35.9

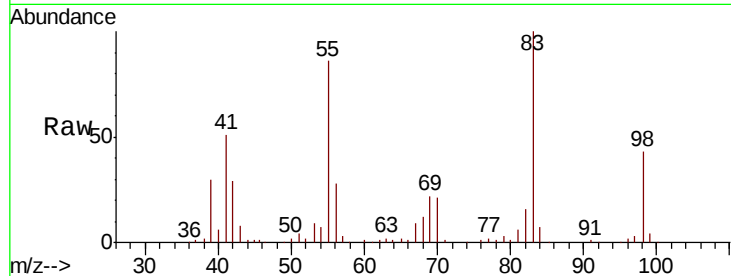




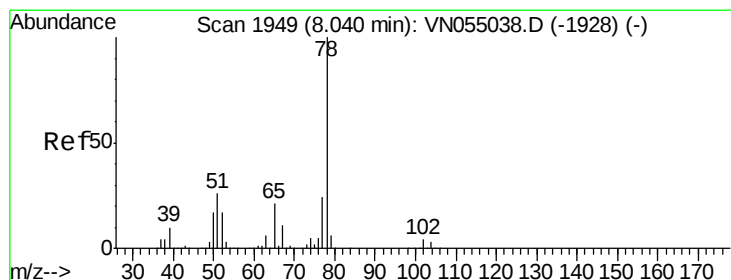
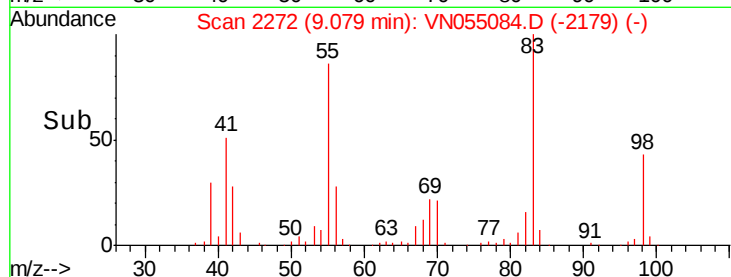
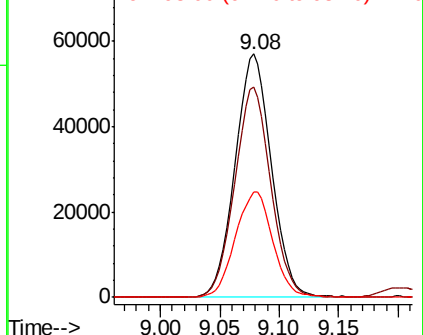
#39
Methvlcvclohexane
Concen: 18.197 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN055084.D
Acq: 16 Apr 2019 17:45

Instrument :
MSVOA_N
ClientSampleId :
VN0416WBSD02

Tot Ion: 83 Resp: 120774
Ion Ratio Lower Upper
83 100
55 86.4 67.0 100.4
98 43.3 35.6 53.4

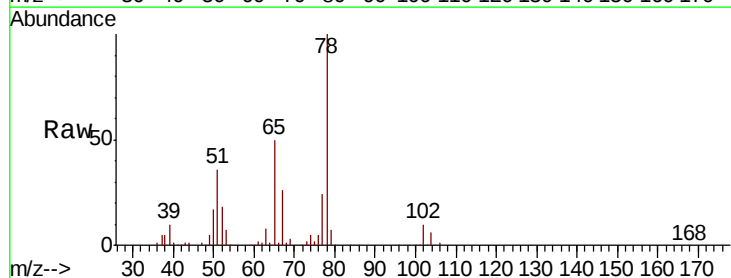


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

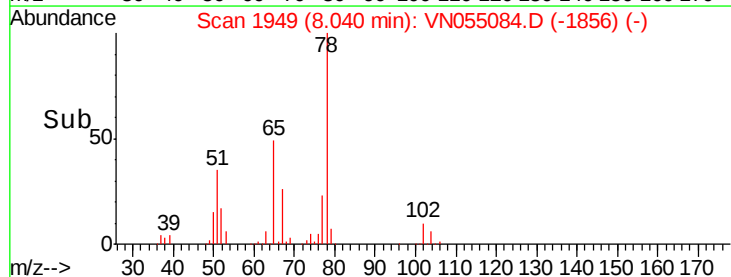
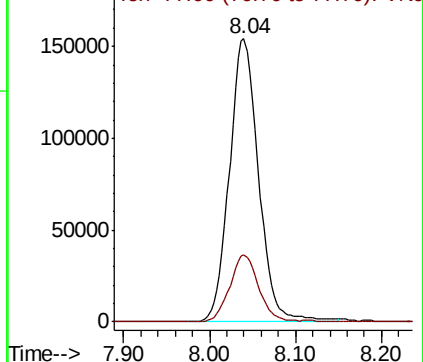


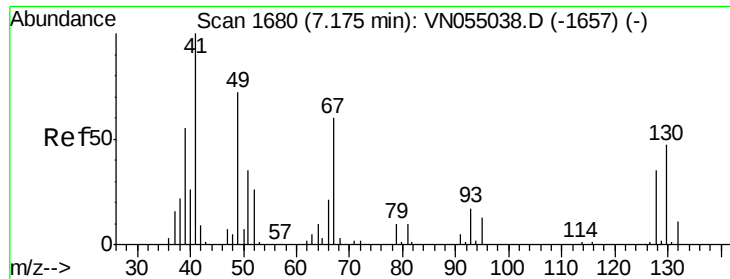
#40
Benzene
Concen: 19.717 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN055084.D
Acq: 16 Apr 2019 17:45

Tgt Ion: 78 Resp: 363977
Ion Ratio Lower Upper
78 100
77 23.5 18.8 28.2



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0

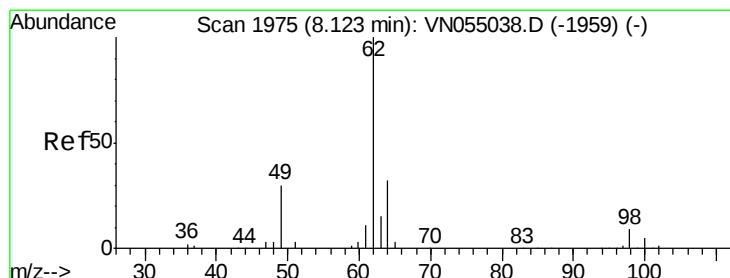
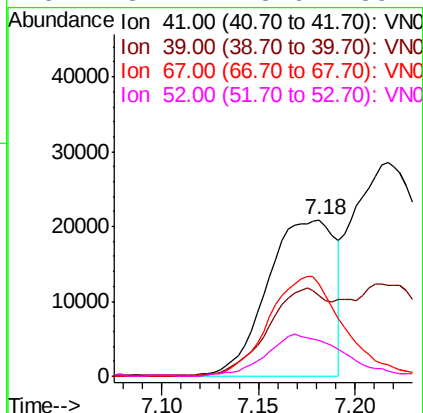
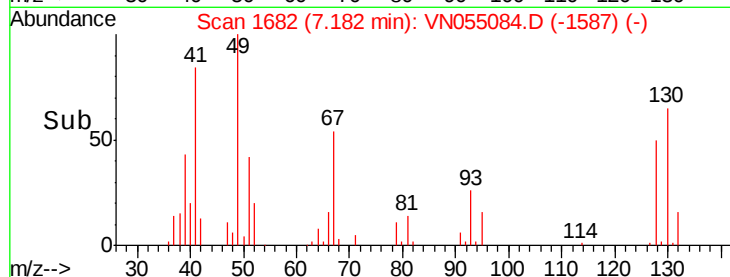
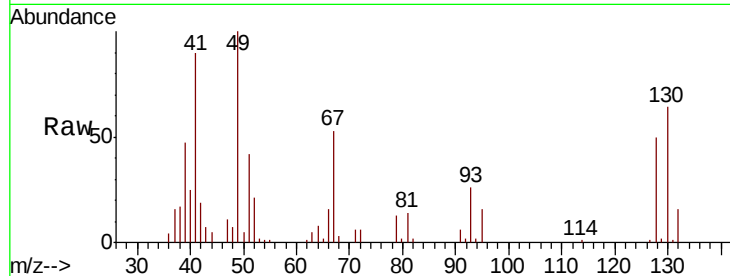




#41
Methacrylonitrile
Concen: 18.383 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.01 min
Lab File: VN055084.D
Acq: 16 Apr 2019 17:45

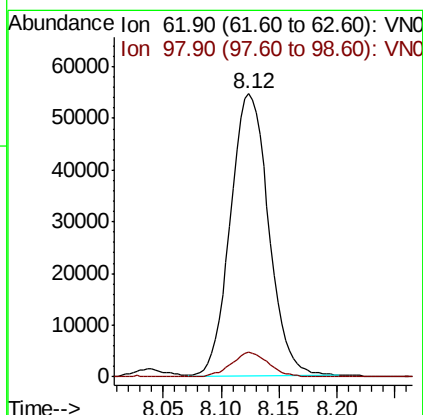
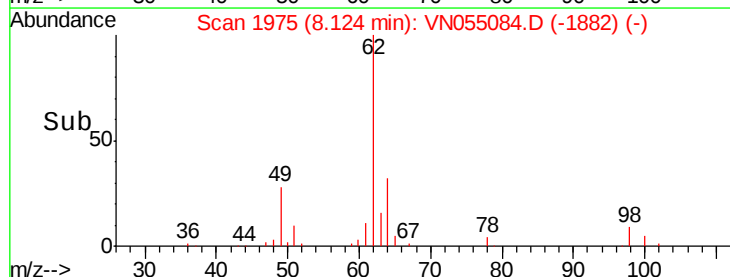
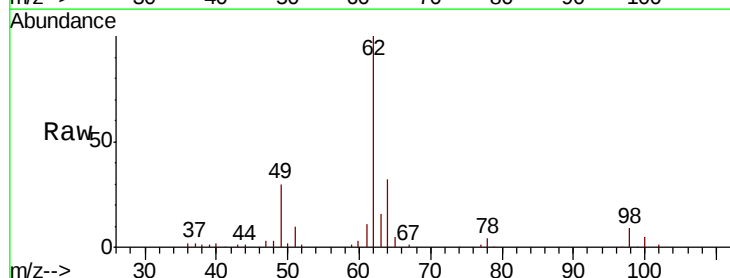
Instrument :
MSVOA_N
ClientSampleId :
VN0416WBSD02

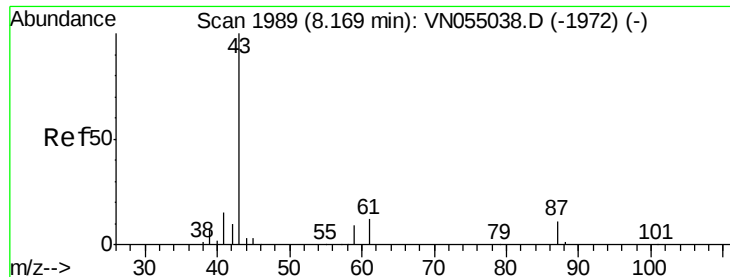
Tot Ion: 41 Resp: 50883
Ion Ratio Lower Upper
41 100
39 48.6 45.6 68.4
67 70.7 57.0 85.6
52 31.1 23.6 35.4



#42
1,2-Dichloroethane
Concen: 19.610 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN055084.D
Acq: 16 Apr 2019 17:45

Tgt Ion: 62 Resp: 125682
Ion Ratio Lower Upper
62 100
98 8.4 0.0 17.4





#43

Isopropyl Acetate

Concen: 19.337 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN055084.D

Acq: 16 Apr 2019 17:45

Instrument :

MSVOA_N

ClientSampleId :

VN0416WBSD02

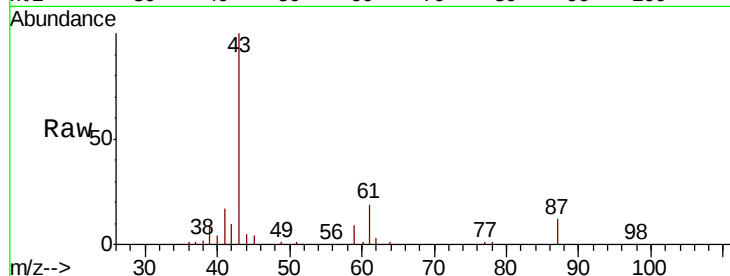
Tot Ion: 43 Resp: 148572

Ion Ratio Lower Upper

43 100

61 18.0 14.3 21.5

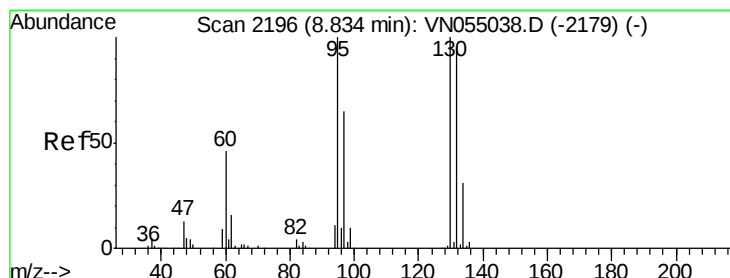
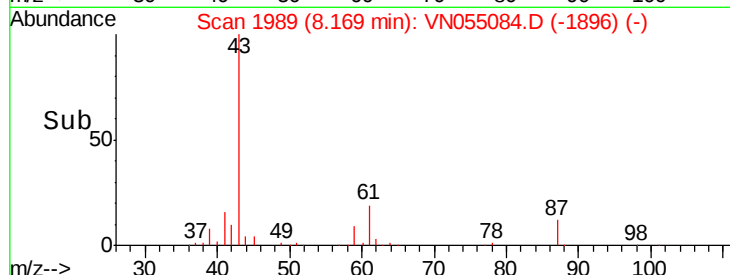
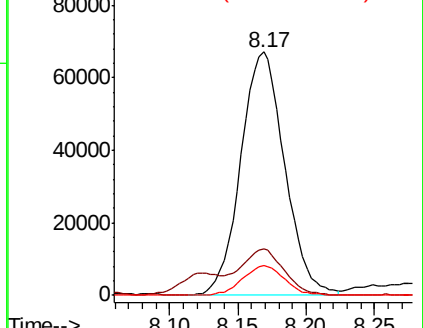
87 11.7 8.6 13.0



Abundance Ion 43.00 (42.70 to 43.70): VN055038.D (-1972) (-)

Ion 61.00 (60.70 to 61.70): VN055038.D (-1972) (-)

Ion 87.00 (86.70 to 87.70): VN055038.D (-1972) (-)



#44

Trichloroethene

Concen: 20.125 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN055084.D

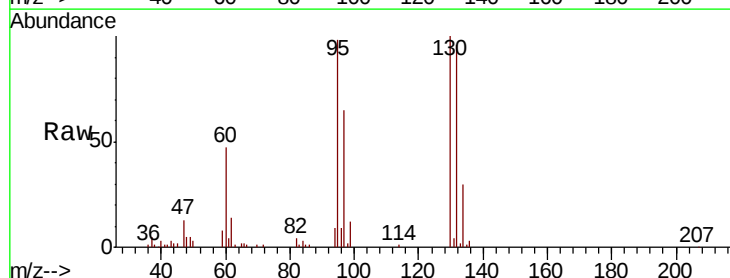
Acq: 16 Apr 2019 17:45

Tgt Ion:130 Resp: 93052

Ion Ratio Lower Upper

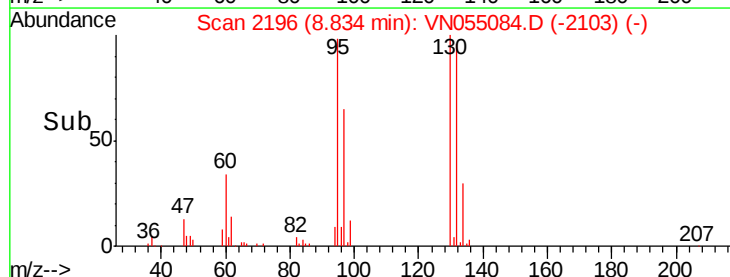
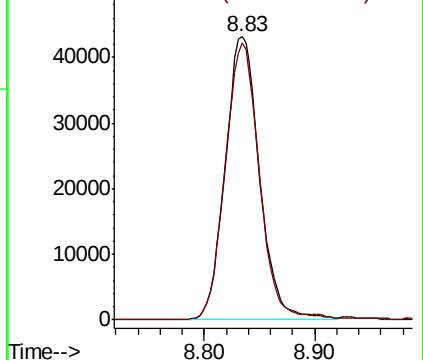
130 100

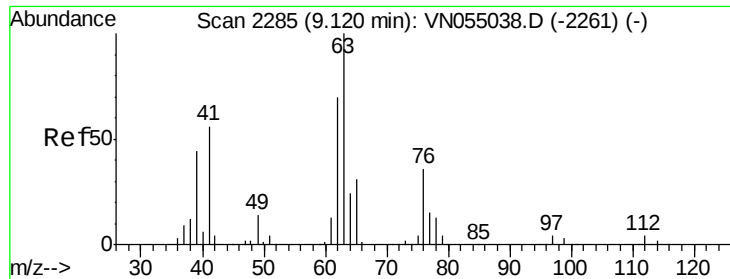
95 98.0 0.0 201.6



Abundance Ion 129.80 (129.50 to 130.50): VN055038.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN055038.D (-2179) (-)





#45

1,2-Dichloropropane

Concen: 20.021 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN055084.D

Acq: 16 Apr 2019 17:45

Instrument :

MSVOA_N

ClientSampleId :

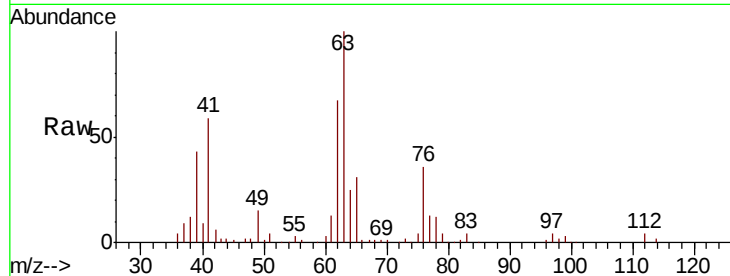
VN0416WBSD02

Tot Ion: 63 Resp: 103068

Ion Ratio Lower Upper

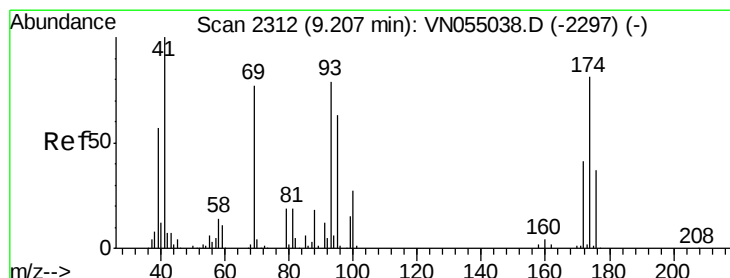
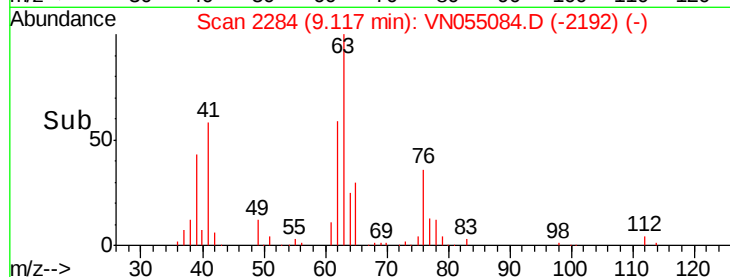
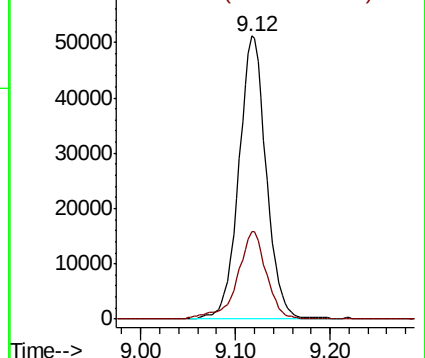
63 100

65 31.1 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 19.761 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN055084.D

Acq: 16 Apr 2019 17:45

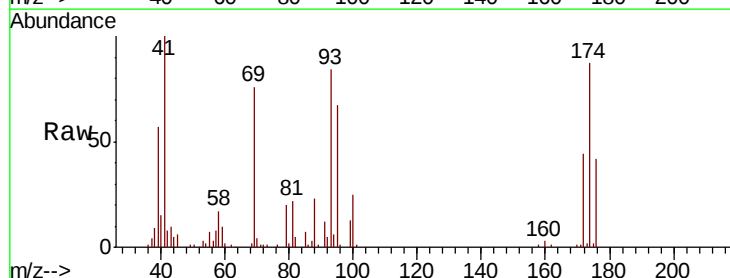
Tgt Ion: 93 Resp: 57905

Ion Ratio Lower Upper

93 100

95 81.7 65.0 97.6

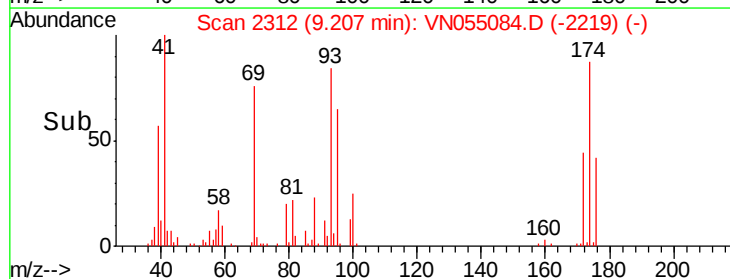
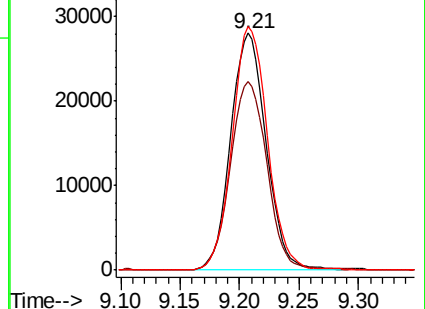
174 102.2 81.0 121.6

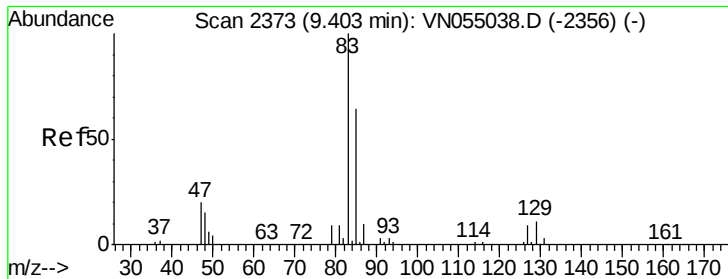


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 19.376 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN055084.D

Acq: 16 Apr 2019 17:45

Instrument :

MSVOA_N

ClientSampleId :

VN0416WBSD02

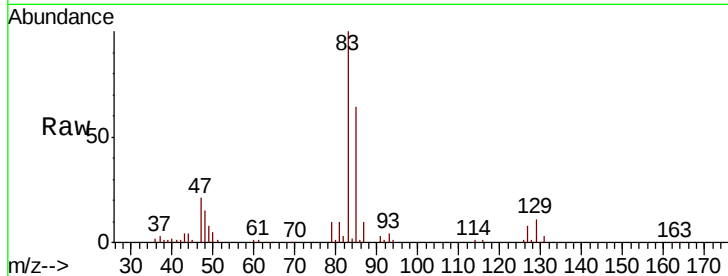
Tot Ion: 83 Resp: 117057

Ion Ratio Lower Upper

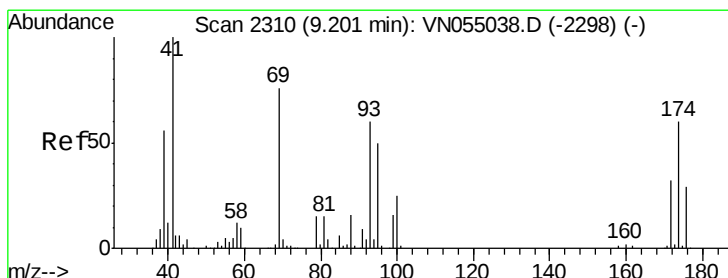
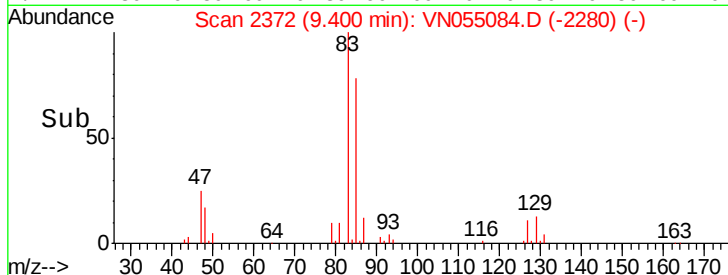
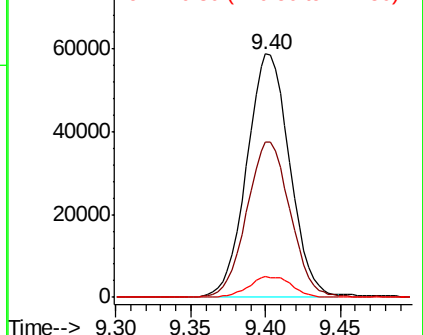
83 100

85 63.8 51.2 76.8

127 8.5 6.8 10.2



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): VN0



#48

Methyl methacrylate

Concen: 19.407 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN055084.D

Acq: 16 Apr 2019 17:45

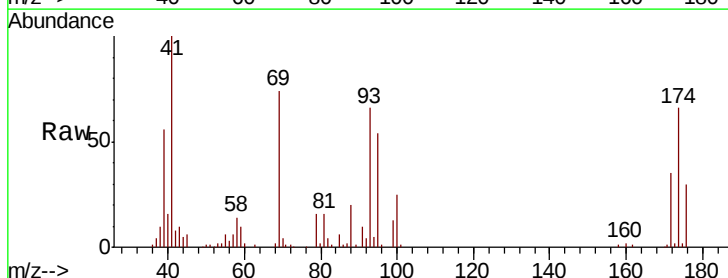
Tgt Ion: 41 Resp: 73908

Ion Ratio Lower Upper

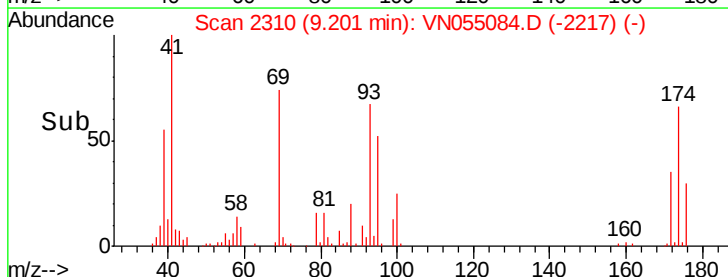
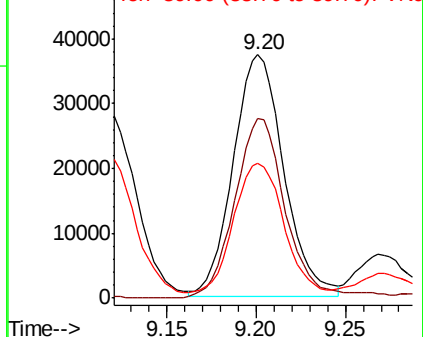
41 100

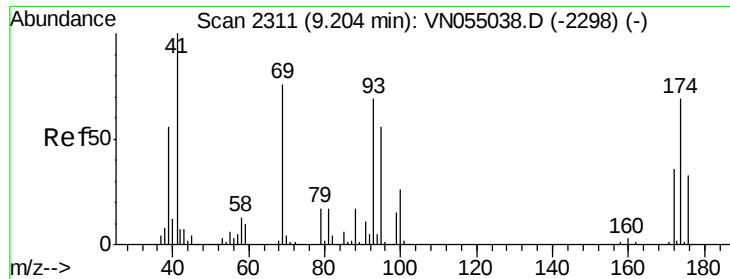
69 74.0 60.5 90.7

39 54.0 43.9 65.9



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





#49

1,4-Dioxane

Concen: 446.817 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN055084.D

Acq: 16 Apr 2019 17:45

Instrument :

MSVOA_N

ClientSampleId :

VN0416WBSD02

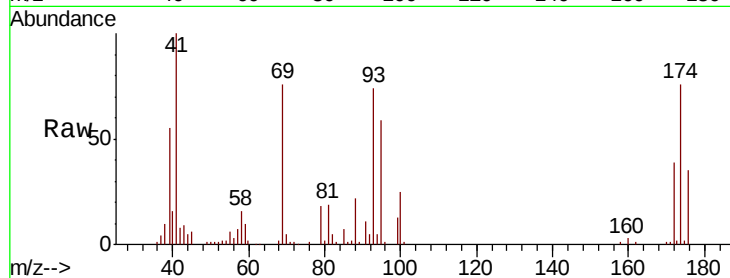
Tot Ion: 88 Resp: 15942

Ion Ratio Lower Upper

88 100

43 37.4 31.8 47.8

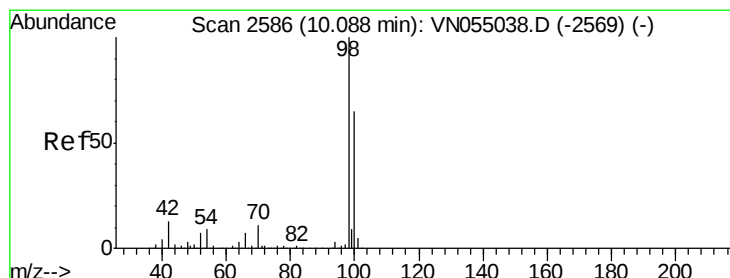
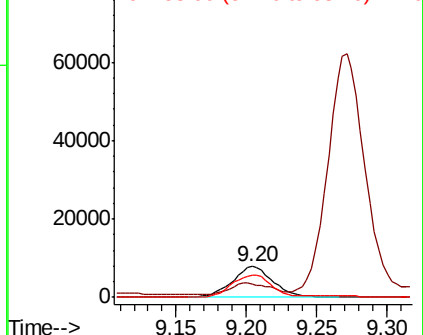
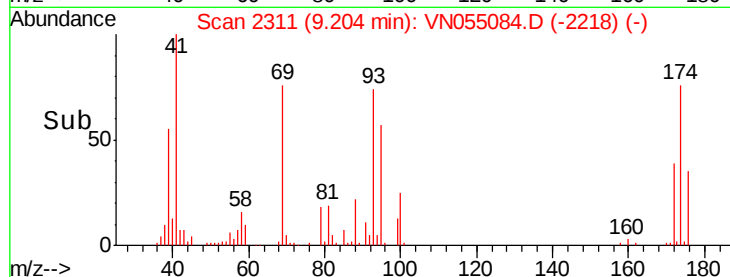
58 71.0 61.6 92.4



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 49.488 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.00 min

Lab File: VN055084.D

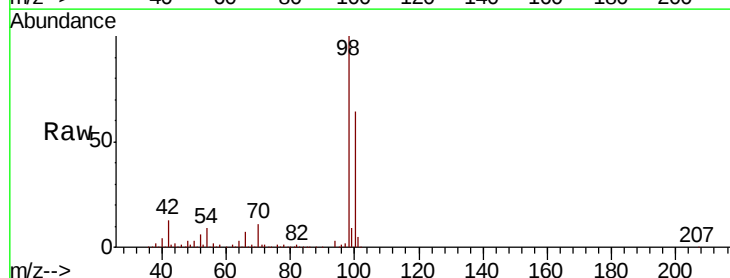
Acq: 16 Apr 2019 17:45

Tgt Ion: 98 Resp: 769089

Ion Ratio Lower Upper

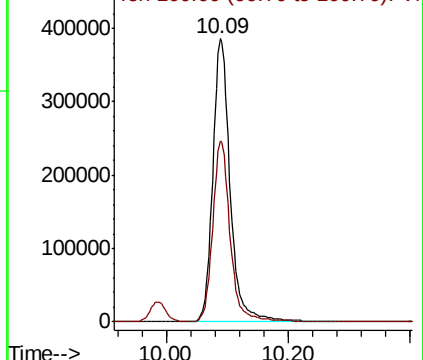
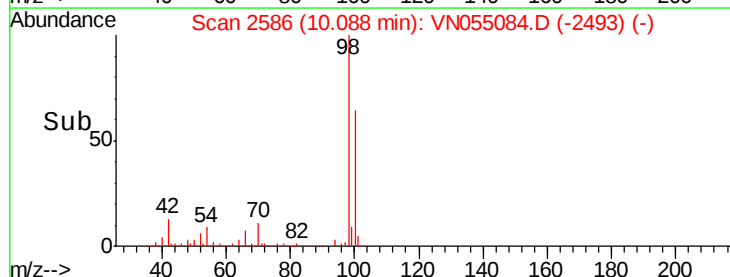
98 100

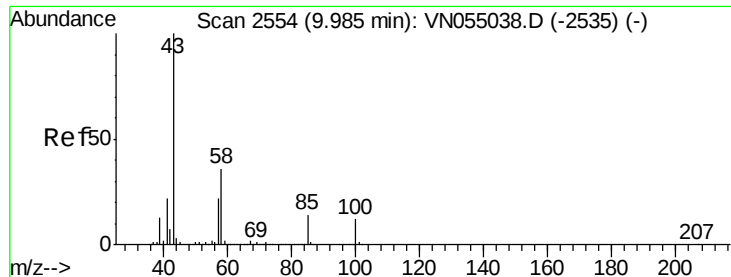
100 63.8 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

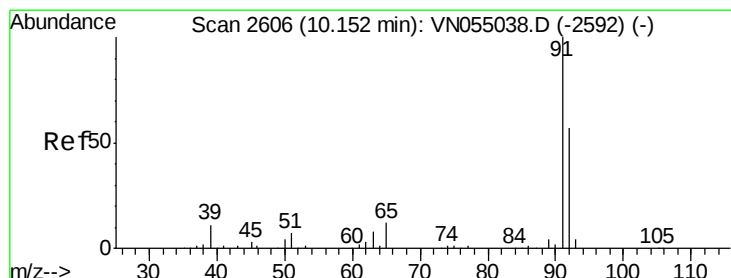
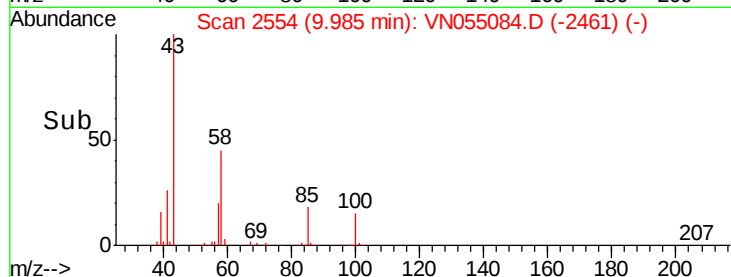
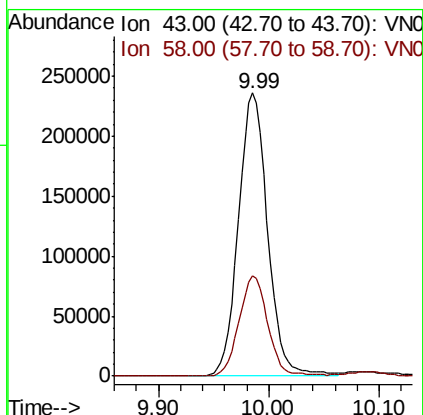
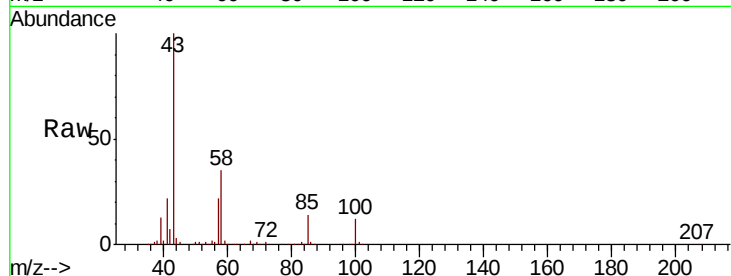




#51
4-Methyl-2-Pentanone
Concen: 97.014 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN055084.D
Acq: 16 Apr 2019 17:45

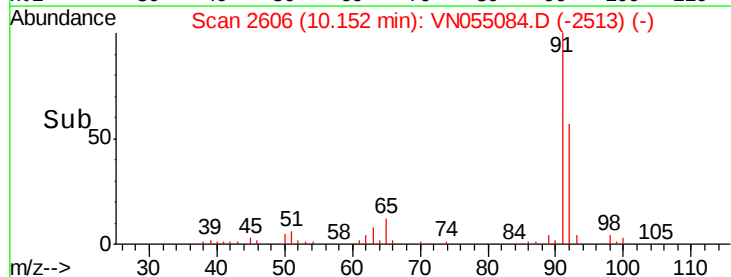
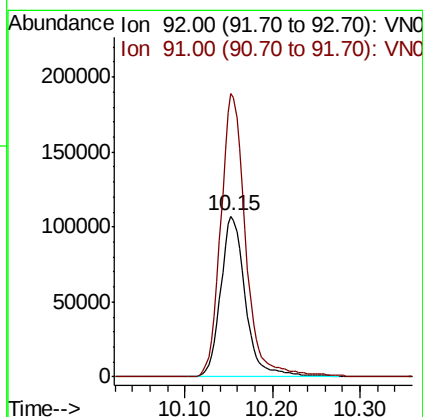
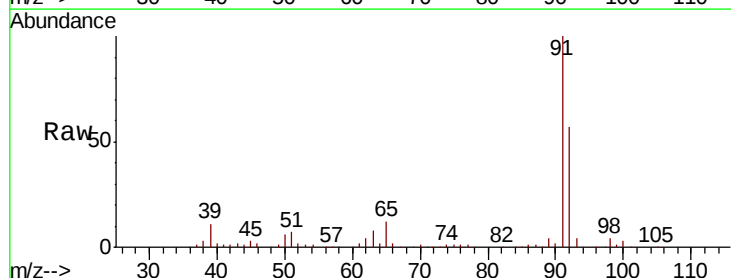
Instrument :
MSVOA_N
ClientSampleID :
VN0416WBSD02

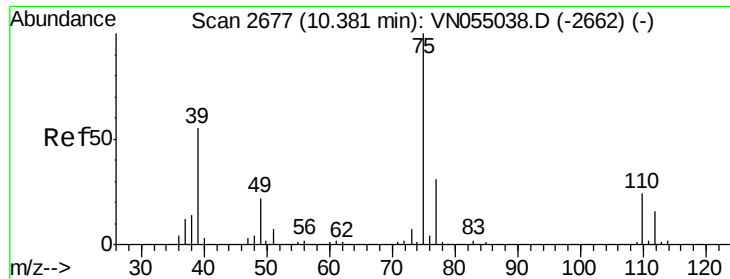
Tot Ion: 43 Resp: 430631
Ion Ratio Lower Upper
43 100
58 35.0 29.0 43.4



#52
Toluene
Concen: 20.060 ug/l
RT: 10.15 min Scan# 2606
Delta R.T. 0.00 min
Lab File: VN055084.D
Acq: 16 Apr 2019 17:45

Tgt Ion: 92 Resp: 212082
Ion Ratio Lower Upper
92 100
91 177.0 140.8 211.2

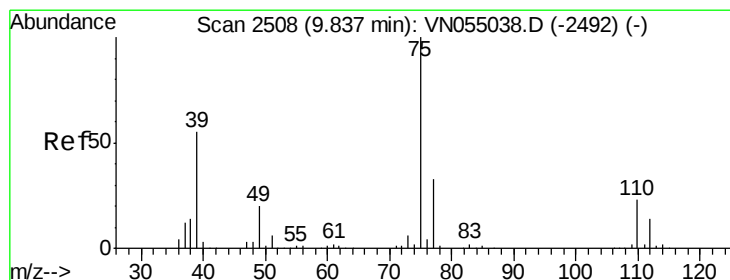
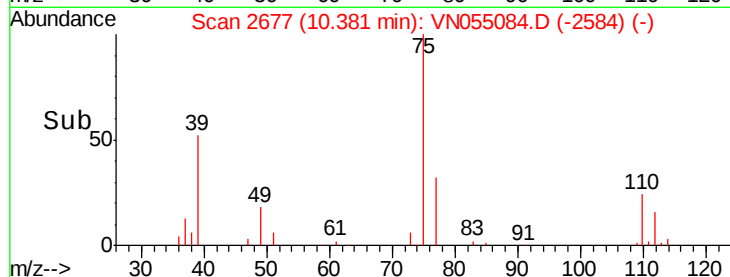
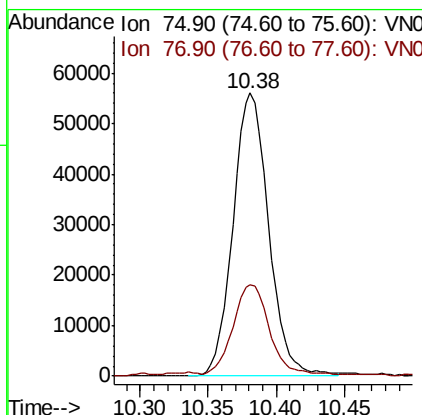
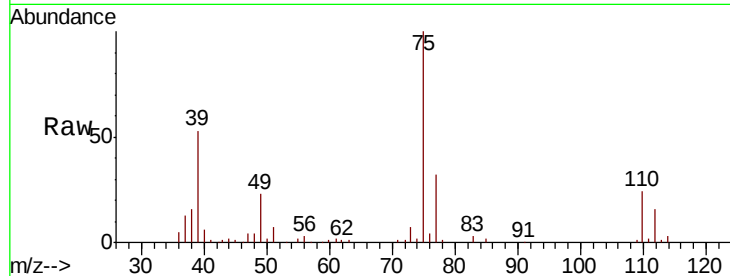




#53
 t-1,3-Dichloropropene
 Concen: 19.275 ug/l
 RT: 10.38 min Scan# 2677
 Delta R.T. 0.00 min
 Lab File: VN055084.D
 Acq: 16 Apr 2019 17:45

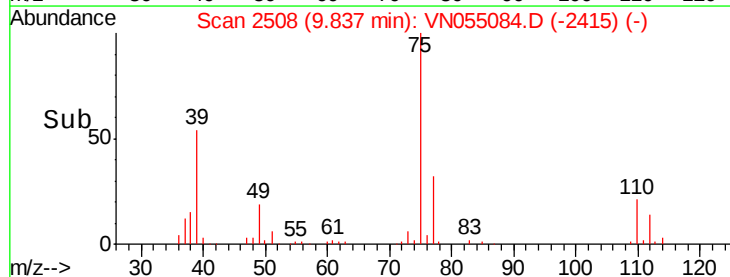
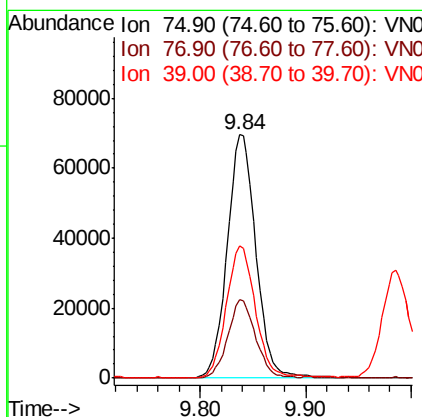
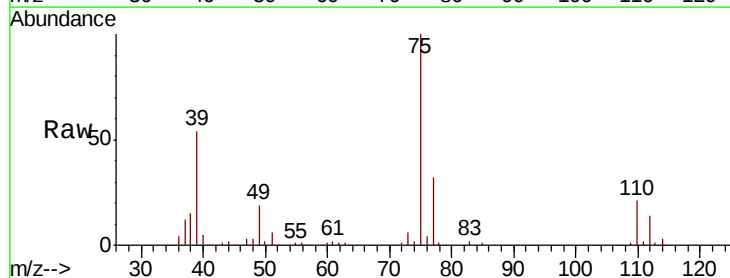
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0416WBSD02

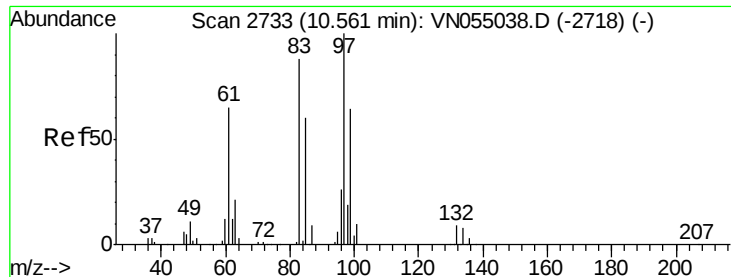
Tot Ion: 75 Resp: 101763
 Ion Ratio Lower Upper
 75 100
 77 31.5 24.6 37.0



#54
 cis-1,3-Dichloropropene
 Concen: 19.972 ug/l
 RT: 9.84 min Scan# 2508
 Delta R.T. 0.00 min
 Lab File: VN055084.D
 Acq: 16 Apr 2019 17:45

Tgt Ion: 75 Resp: 130869
 Ion Ratio Lower Upper
 75 100
 77 32.1 25.8 38.6
 39 54.2 43.8 65.8

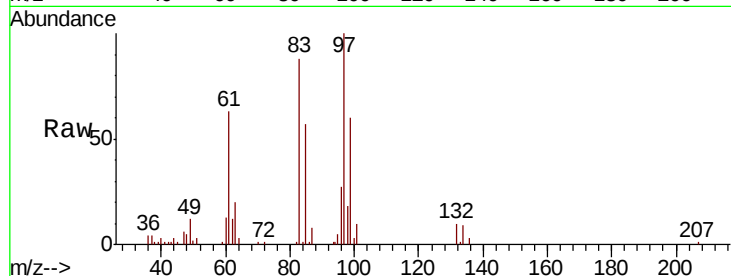




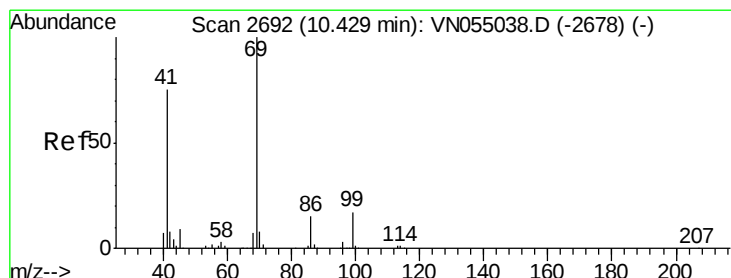
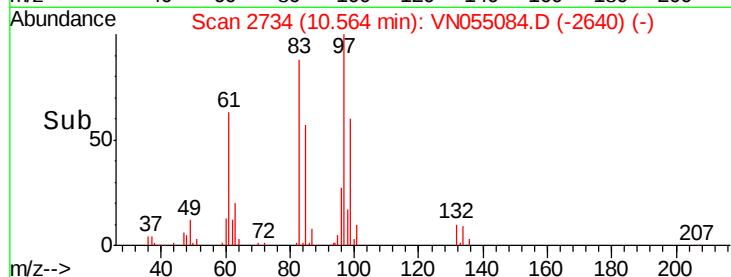
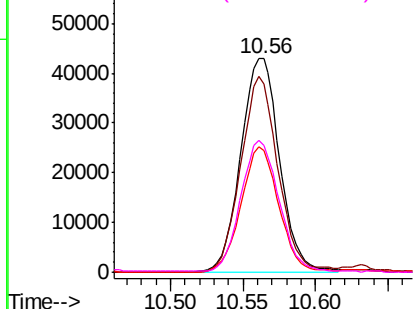
#55
 1,1,2-Trichloroethane
 Concen: 19.672 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN055084.D
 Acq: 16 Apr 2019 17:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0416WBSD02

Tot Ion: 97 Resp: 80132
 Ion Ratio Lower Upper
 97 100
 83 88.4 70.5 105.7
 85 57.1 45.5 68.3
 99 59.1 49.4 74.0

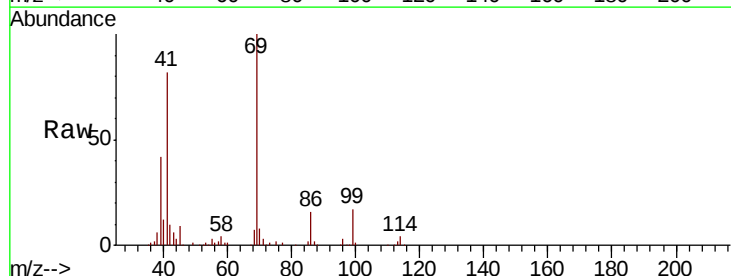


Abundance Ion 96.90 (96.60 to 97.60): VNO
 Ion 82.90 (82.60 to 83.60): VNO
 Ion 84.90 (84.60 to 85.60): VNO
 Ion 98.90 (98.60 to 99.60): VNO

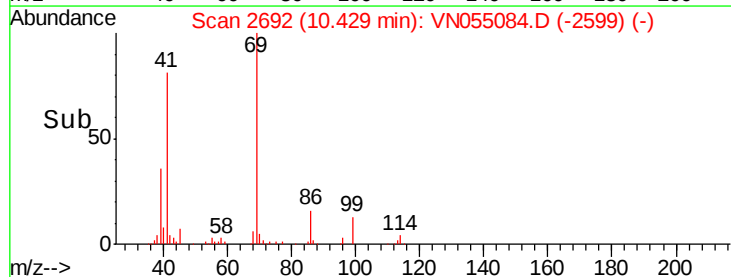
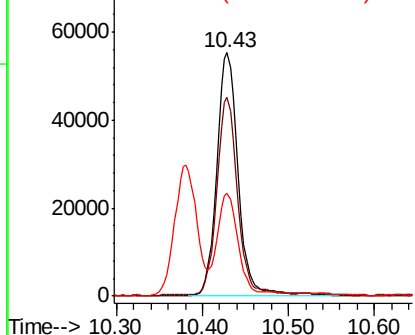


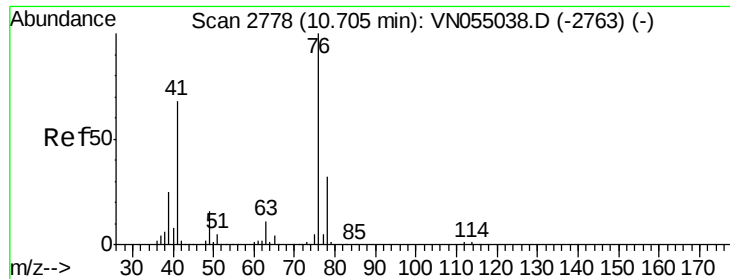
#56
 Ethyl methacrylate
 Concen: 19.722 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN055084.D
 Acq: 16 Apr 2019 17:45

Tgt Ion: 69 Resp: 96412
 Ion Ratio Lower Upper
 69 100
 41 77.5 61.4 92.0
 39 39.5 30.8 46.2



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





#57

1,3-Dichloropropane

Concen: 20.159 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN055084.D

Acq: 16 Apr 2019 17:45

Instrument :

MSVOA_N

ClientSampleId :

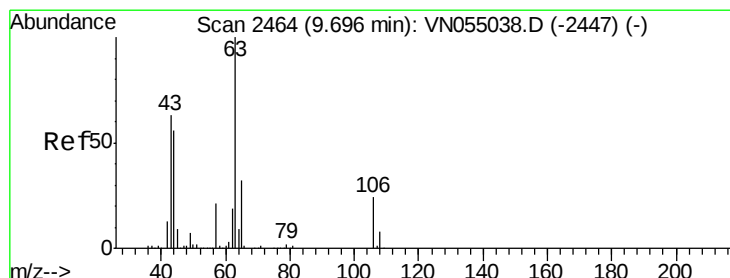
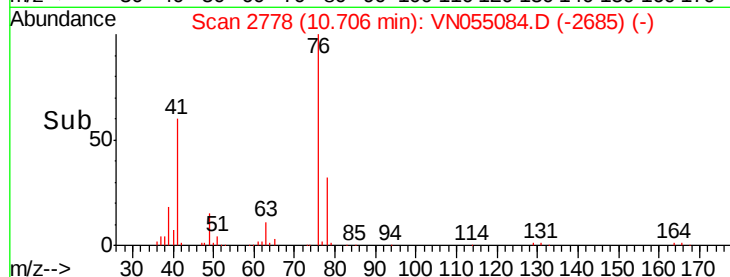
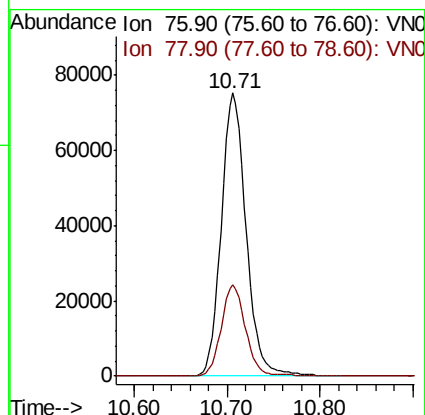
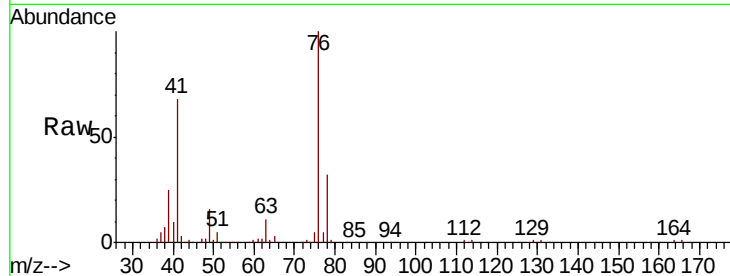
VN0416WBSD02

Tot Ion: 76 Resp: 139809

Ion Ratio Lower Upper

76 100

78 31.6 25.6 38.4



#58

2-Chloroethyl Vinyl ether

Concen: 89.363 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN055084.D

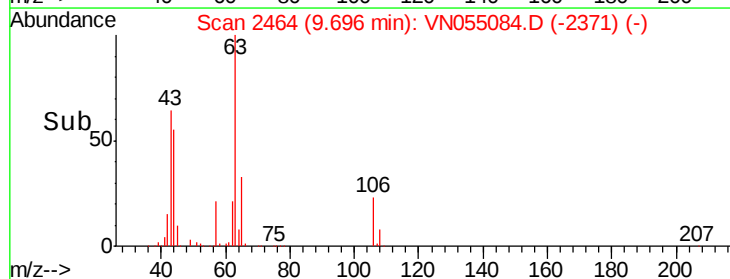
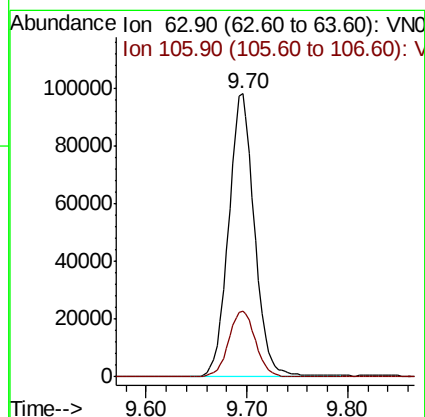
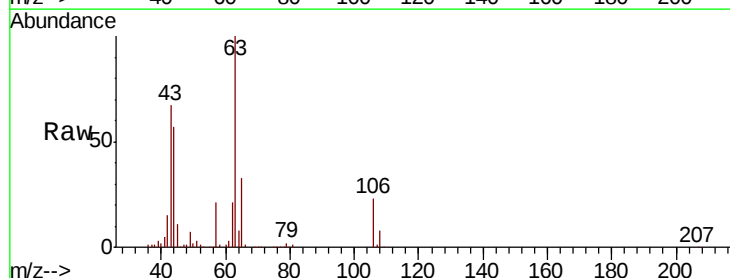
Acq: 16 Apr 2019 17:45

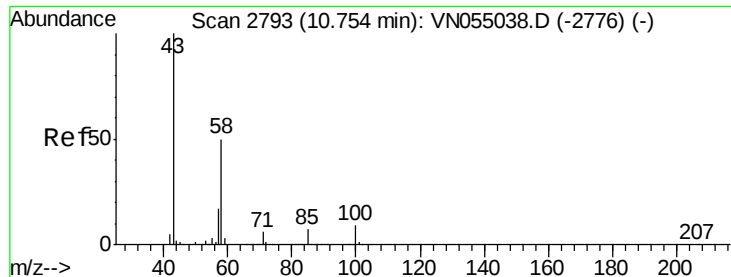
Tgt Ion: 63 Resp: 176398

Ion Ratio Lower Upper

63 100

106 24.1 20.0 30.0

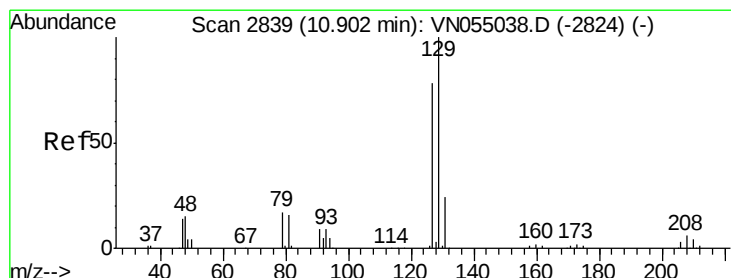
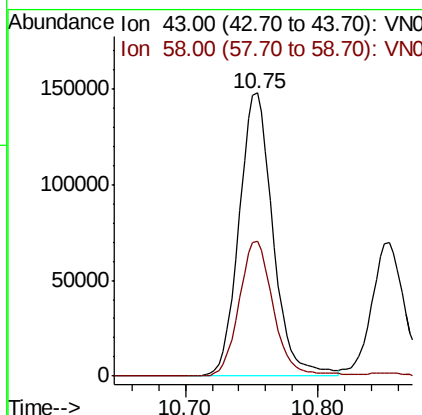
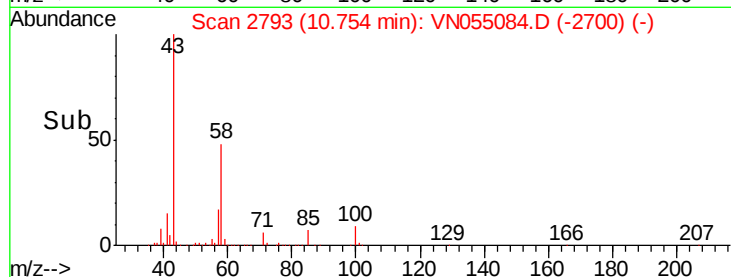
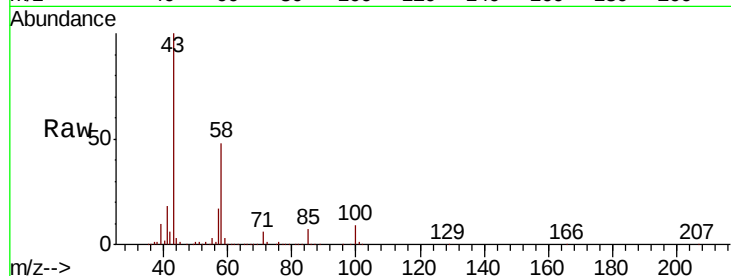




#59
2-Hexanone
Concen: 93.455 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN055084.D
Acq: 16 Apr 2019 17:45

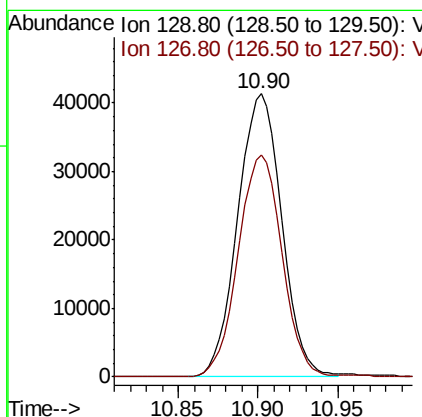
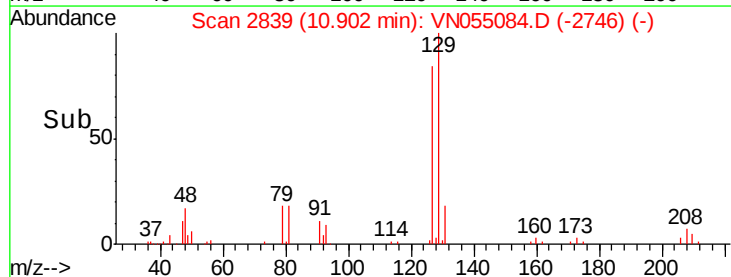
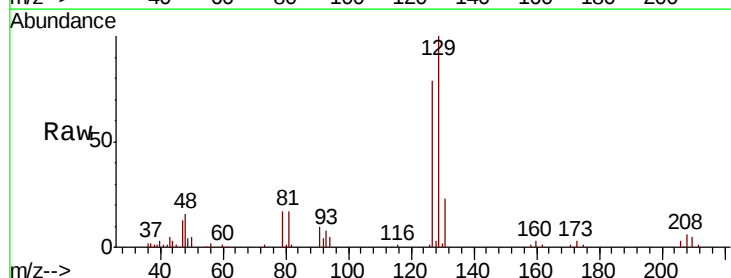
Instrument :
MSVOA_N
ClientSampleId :
VN0416WBSD02

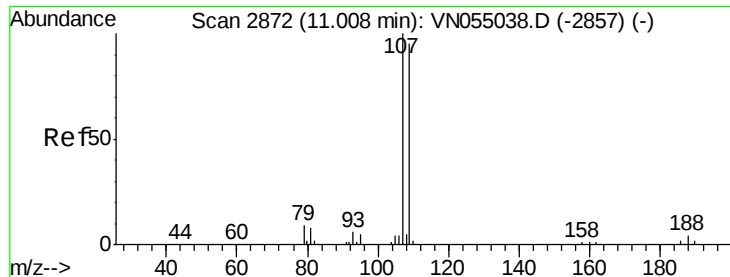
Tot Ion: 43 Resp: 260554
Ion Ratio Lower Upper
43 100
58 48.7 25.1 75.2



#60
Dibromochloromethane
Concen: 19.590 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055084.D
Acq: 16 Apr 2019 17:45

Tgt Ion: 129 Resp: 77922
Ion Ratio Lower Upper
129 100
127 78.0 38.2 114.6

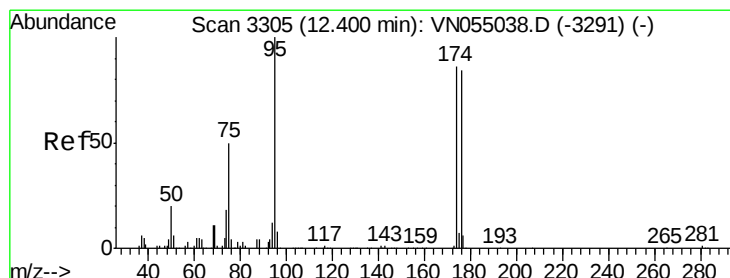
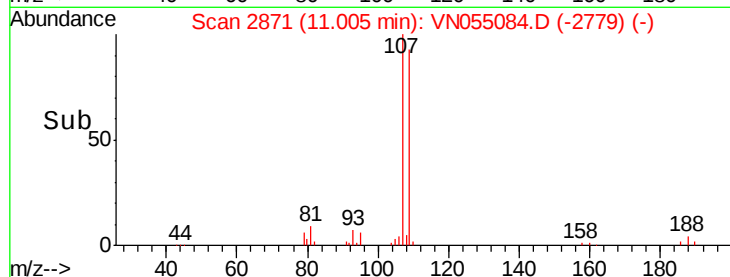
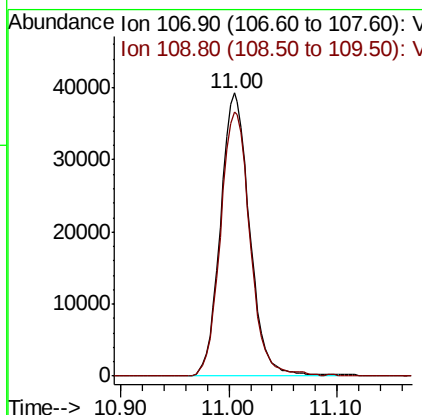
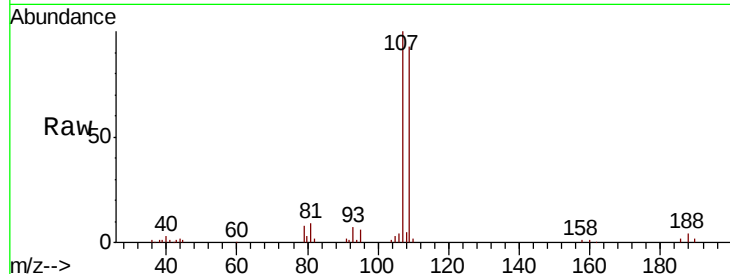




#61
 1,2-Dibromoethane
 Concen: 19.728 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN055084.D
 Acq: 16 Apr 2019 17:45

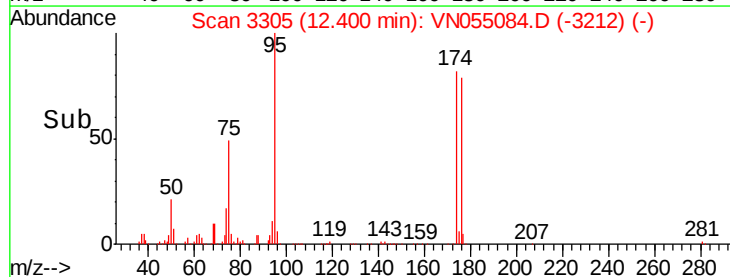
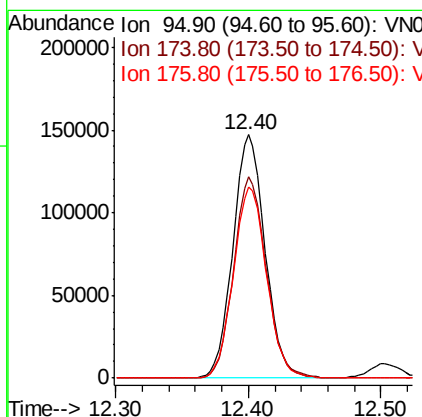
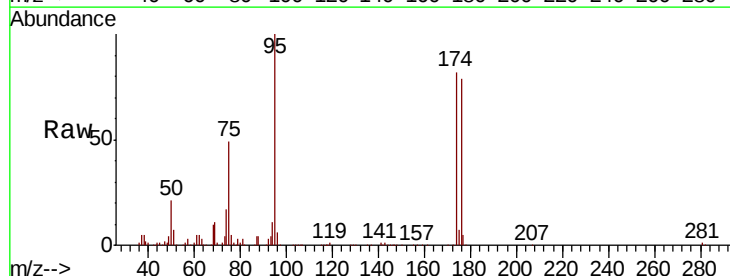
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0416WBSD02

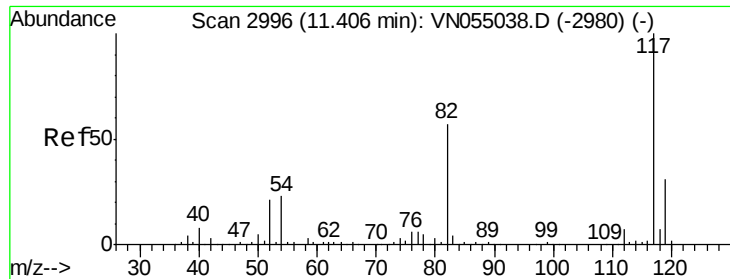
Tot Ion: 107 Resp: 73966
 Ion Ratio Lower Upper
 107 100
 109 94.0 76.5 114.7



#62
 4-Bromofluorobenzene
 Concen: 48.955 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN055084.D
 Acq: 16 Apr 2019 17:45

Tgt Ion: 95 Resp: 247338
 Ion Ratio Lower Upper
 95 100
 174 84.2 0.0 174.4
 176 81.3 0.0 166.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN055084.D

Acq: 16 Apr 2019 17:45

Instrument :

MSVOA_N

ClientSampleId :

VN0416WBSD02

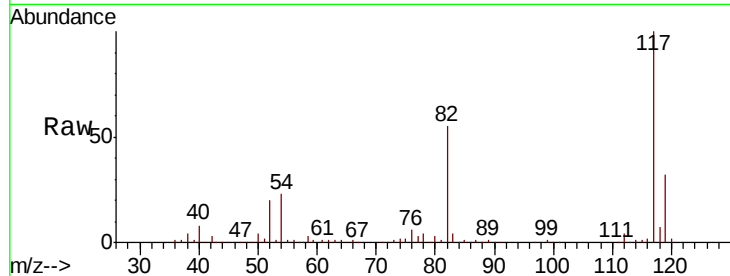
Tot Ion:117 Resp: 557338

Ion Ratio Lower Upper

117 100

82 55.5 44.6 66.8

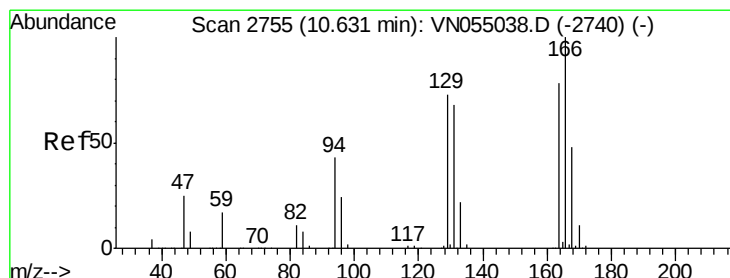
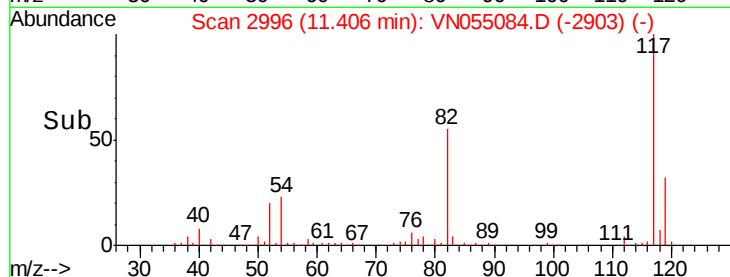
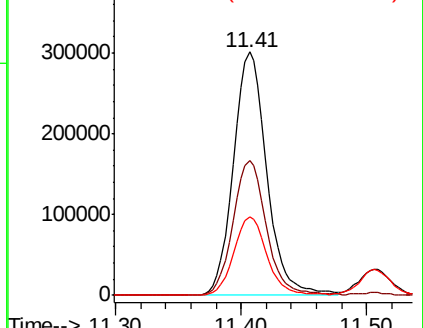
119 32.0 25.5 38.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 18.622 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. -0.00 min

Lab File: VN055084.D

Acq: 16 Apr 2019 17:45

Tgt Ion:164 Resp: 84395

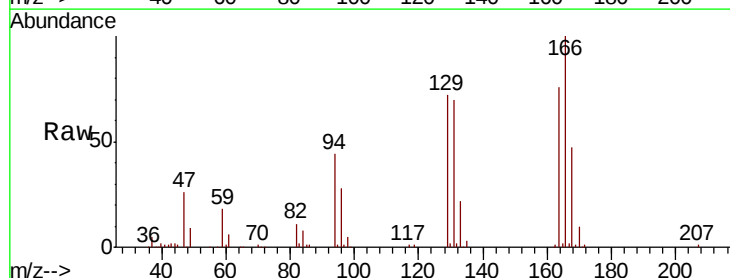
Ion Ratio Lower Upper

164 100

166 130.8 100.0 150.0

129 94.0 72.0 108.0

131 91.9 69.7 104.5

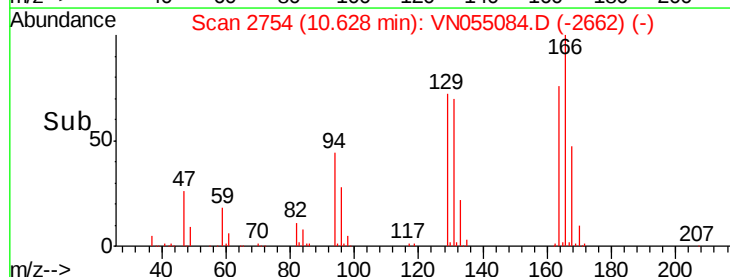
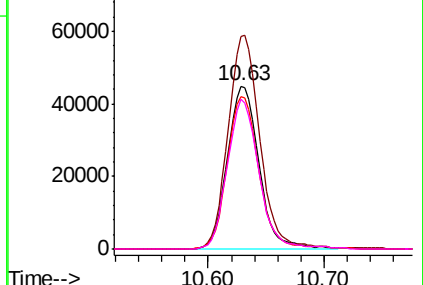


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

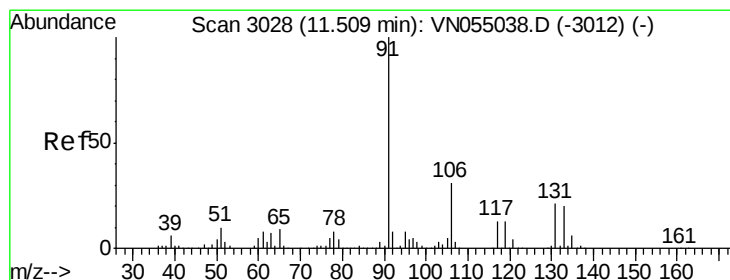
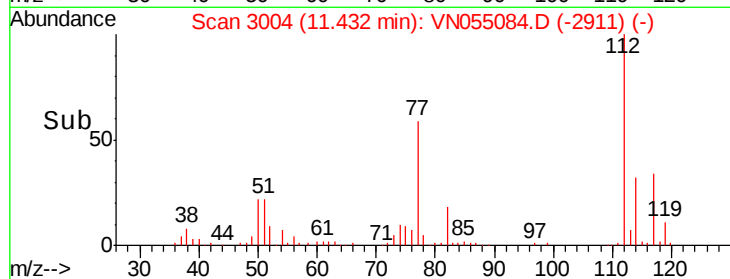
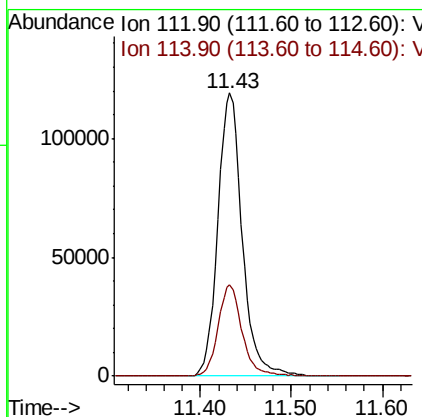
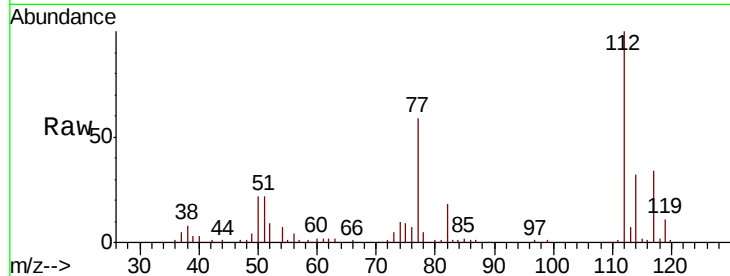




#65
Chlorobenzene
Concen: 19.739 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055084.D
Acq: 16 Apr 2019 17:45

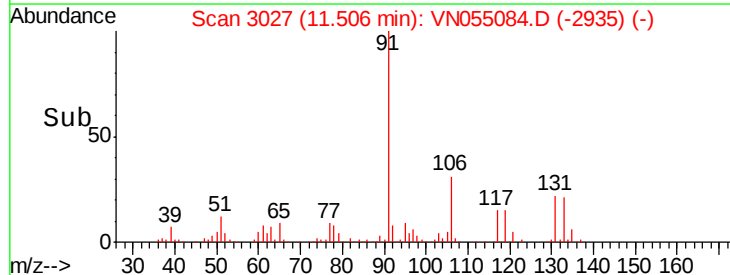
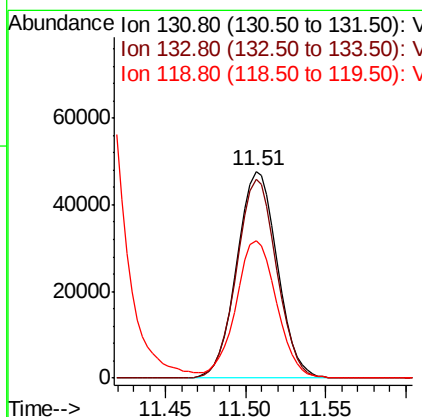
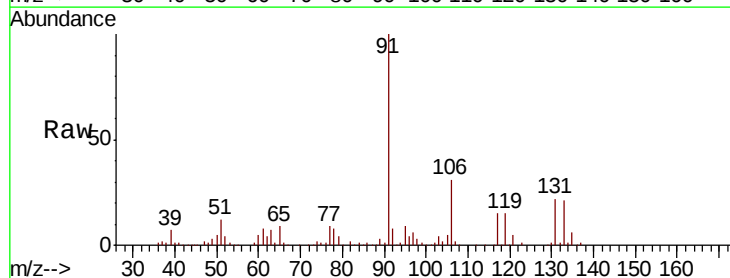
Instrument :
MSVOA_N
ClientSampled :
VN0416WBSD02

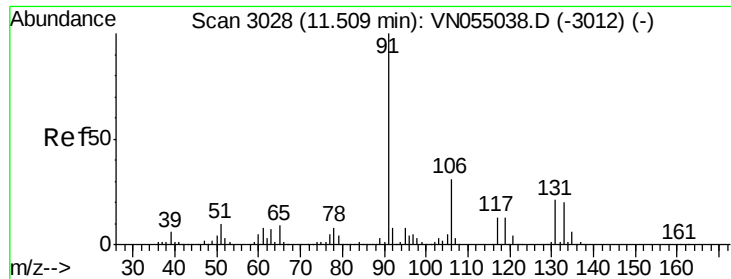
Tot Ion:112 Resp: 221445
Ion Ratio Lower Upper
112 100
114 32.1 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 19.917 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN055084.D
Acq: 16 Apr 2019 17:45

Tgt Ion:131 Resp: 82183
Ion Ratio Lower Upper
131 100
133 95.3 47.8 143.3
119 67.4 33.6 100.6

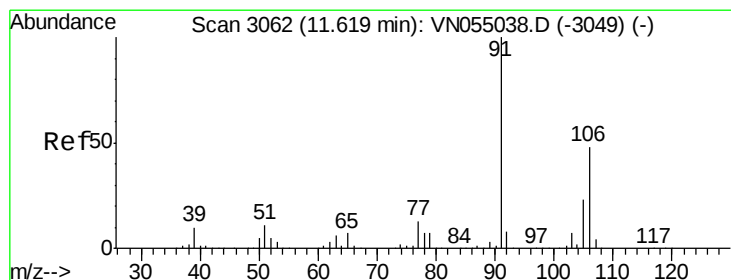
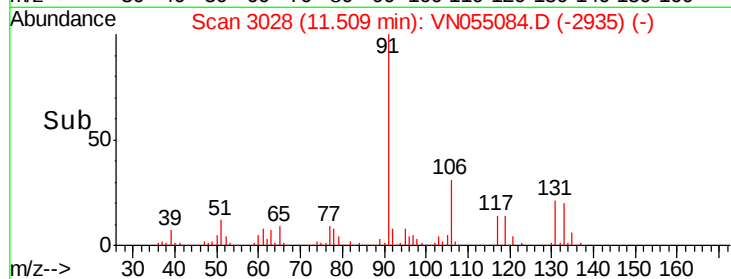
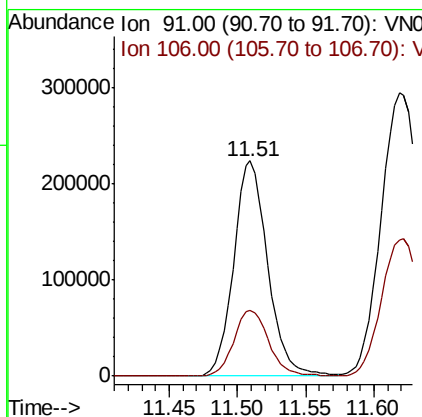
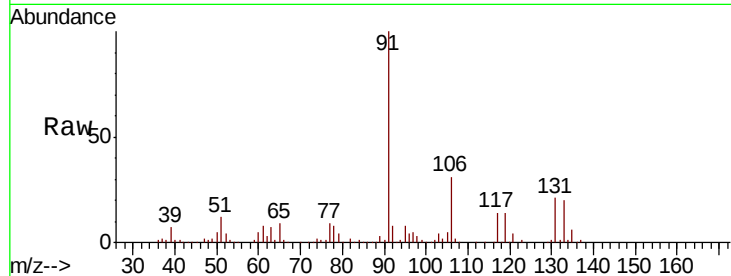




#67
Ethyl Benzene
Concen: 19.340 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055084.D
Acq: 16 Apr 2019 17:45

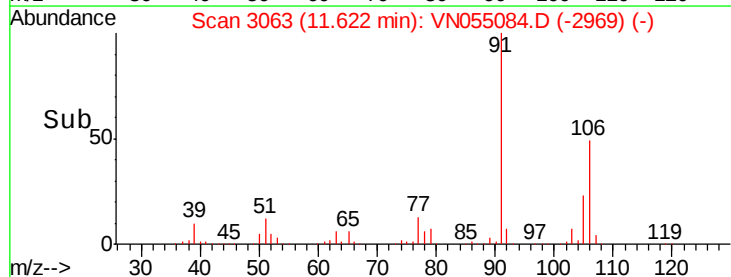
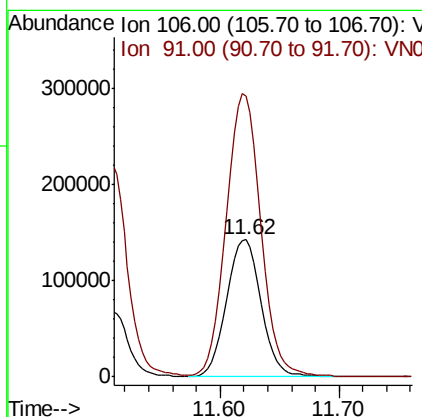
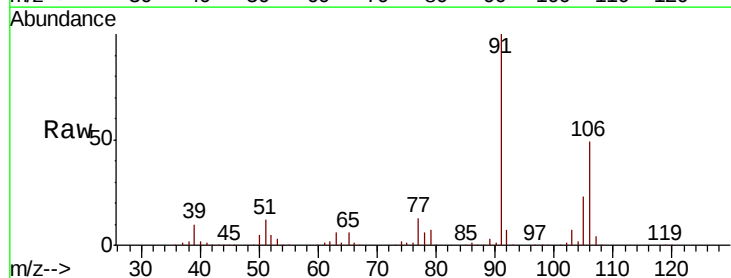
Instrument :
MSVOA_N
ClientSampleId :
VN0416WBSD02

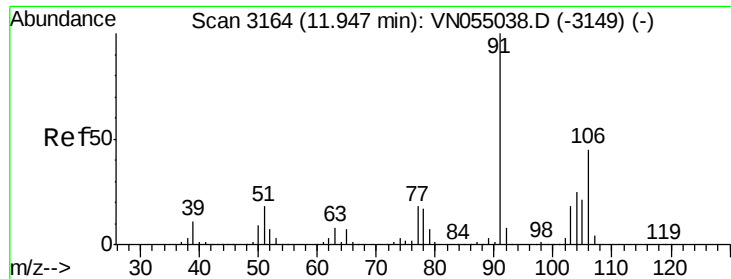
Tot Ion: 91 Resp: 387473
Ion Ratio Lower Upper
91 100
106 30.7 24.3 36.5



#68
m/p-Xylenes
Concen: 39.551 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN055084.D
Acq: 16 Apr 2019 17:45

Tgt Ion: 106 Resp: 286934
Ion Ratio Lower Upper
106 100
91 207.7 165.9 248.9

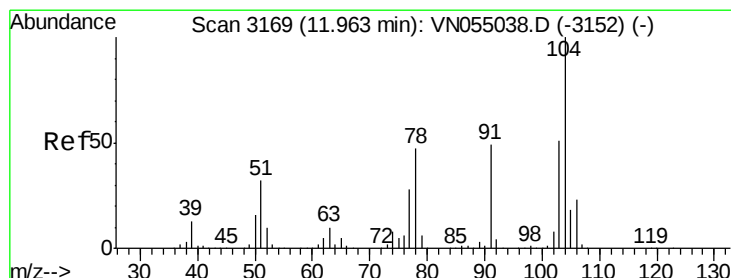
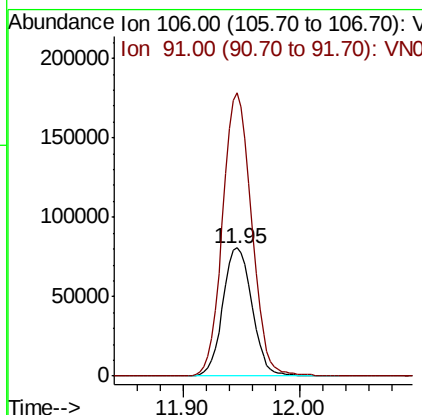
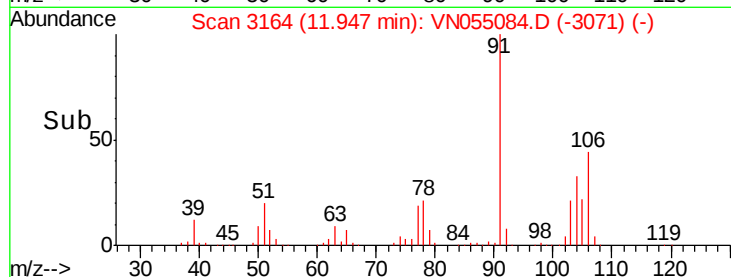
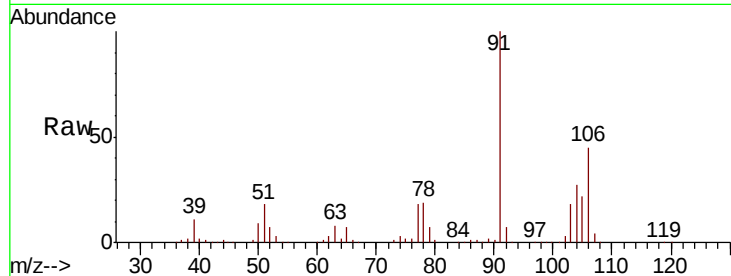




#69
o-Xylene
Concen: 20.053 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055084.D
Acq: 16 Apr 2019 17:45

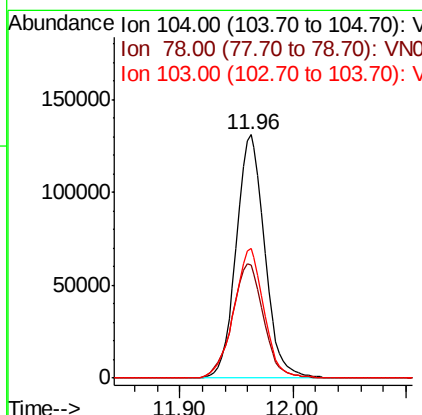
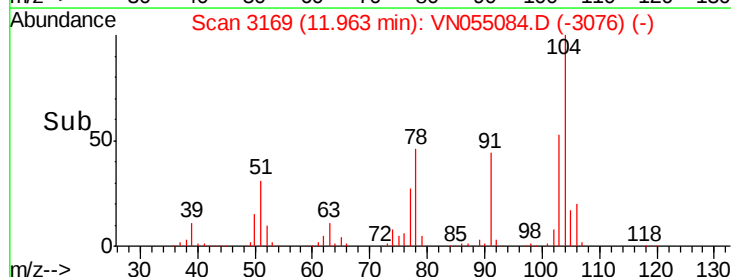
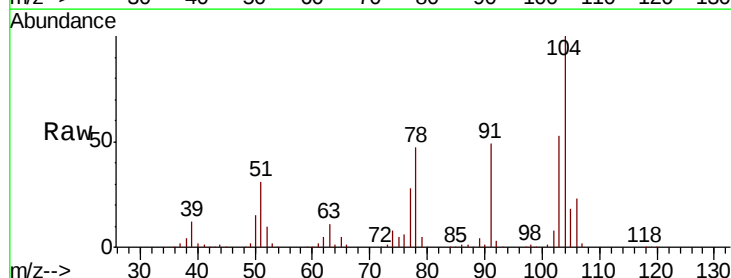
Instrument :
MSVOA_N
ClientSampleId :
VN0416WBSD02

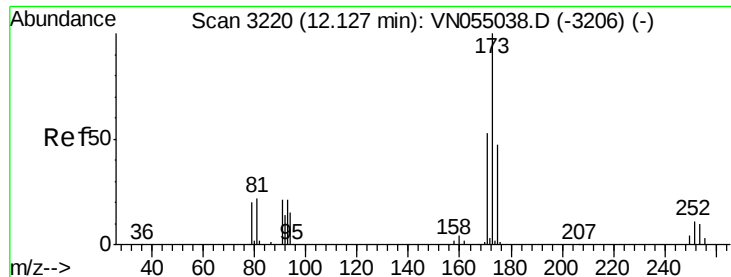
Tot Ion:106 Resp: 140908
Ion Ratio Lower Upper
106 100
91 219.4 109.9 329.8



#70
Styrene
Concen: 20.298 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055084.D
Acq: 16 Apr 2019 17:45

Tgt Ion:104 Resp: 230873
Ion Ratio Lower Upper
104 100
78 51.8 40.3 60.5
103 56.1 44.3 66.5





#71

Bromoform

Concen: 19.502 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN055084.D

Acq: 16 Apr 2019 17:45

Instrument :

MSVOA_N

ClientSampleId :

VN0416WBSD02

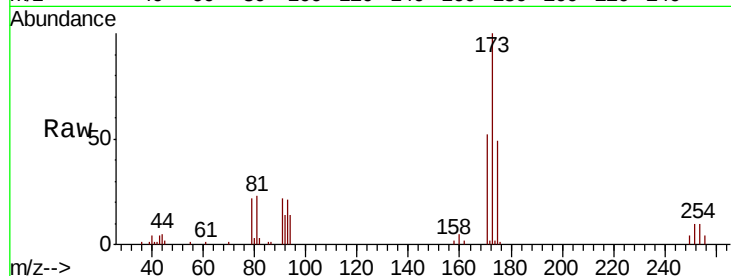
Tot Ion:173 Resp: 46123

Ion Ratio Lower Upper

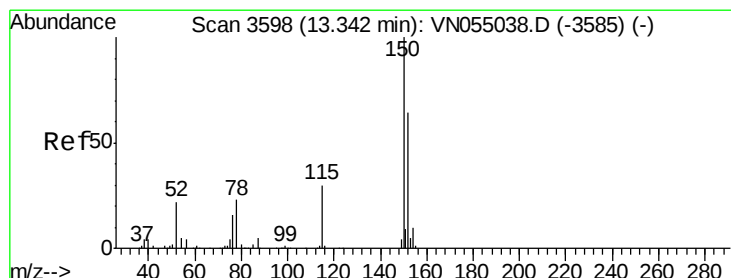
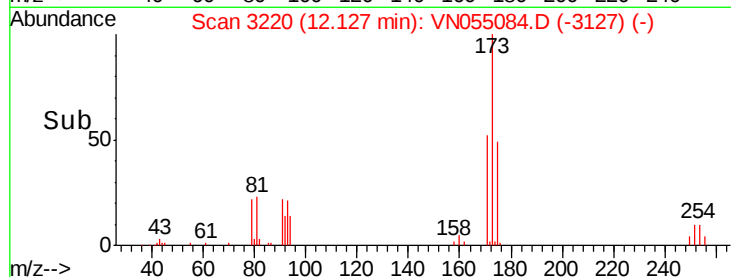
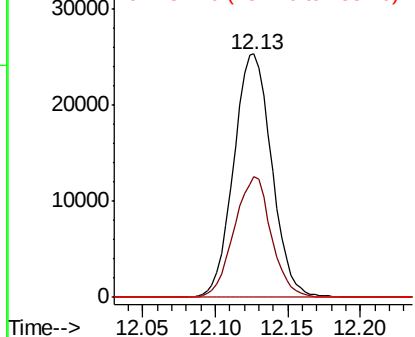
173 100

175 48.0 24.3 73.0

254 0.0 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN055084.D

Acq: 16 Apr 2019 17:45

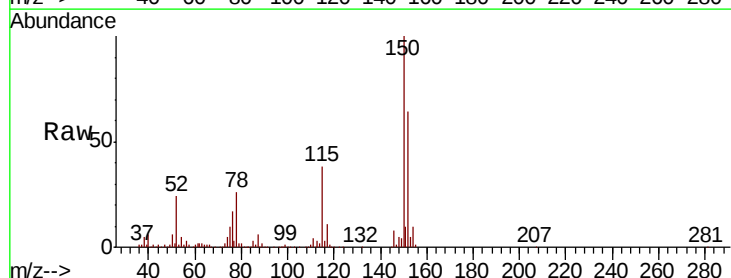
Tgt Ion:152 Resp: 217933

Ion Ratio Lower Upper

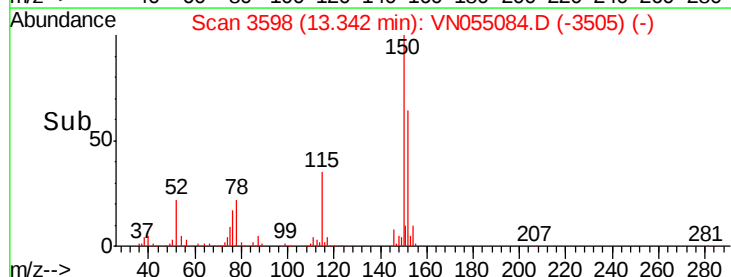
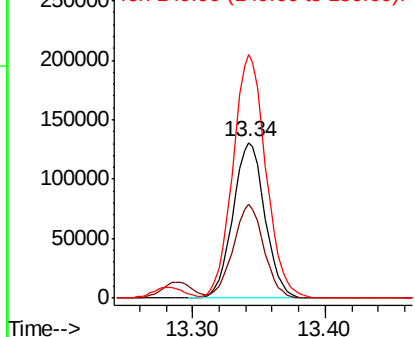
152 100

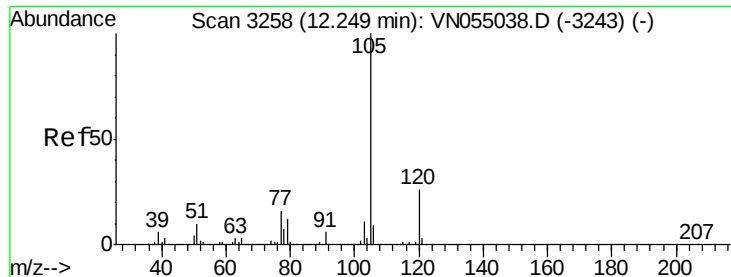
115 58.0 28.5 85.6

150 162.2 0.0 347.2



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: 19.267 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055084.D

Acq: 16 Apr 2019 17:45

Instrument :

MSVOA_N

ClientSampleId :

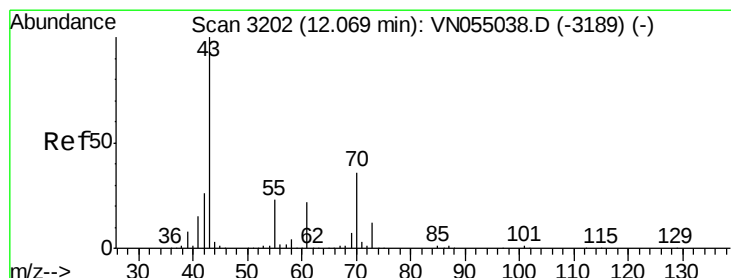
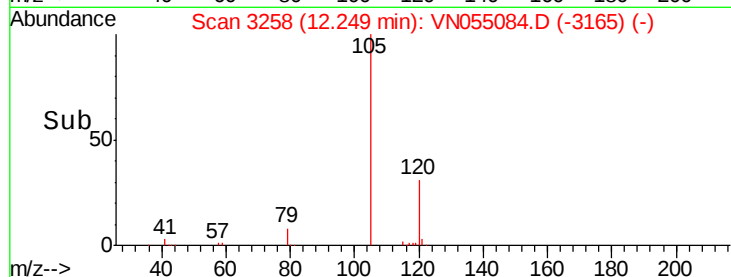
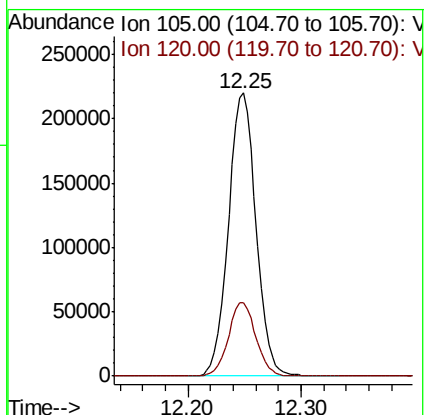
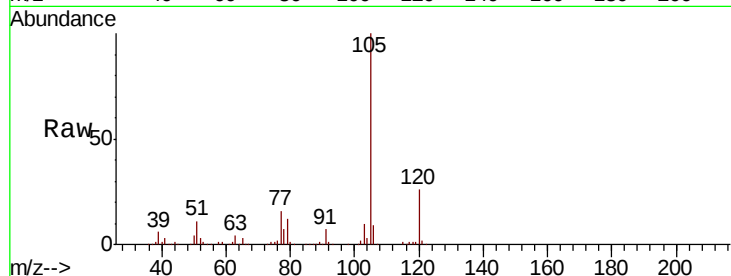
VN0416WBSD02

Tot Ion:105 Resp: 372600

Ion Ratio Lower Upper

105 100

120 26.0 13.3 39.9



#74

N-ethyl acetate

Concen: 19.983 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055084.D

Acq: 16 Apr 2019 17:45

Tgt Ion: 43 Resp: 108783

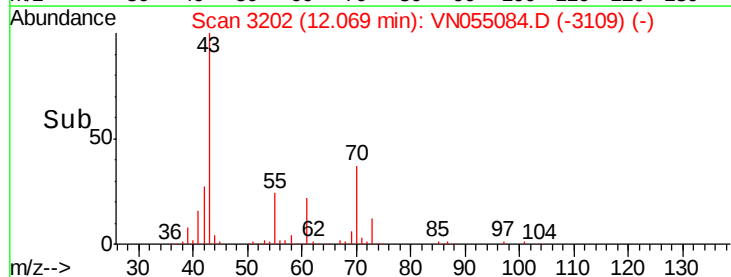
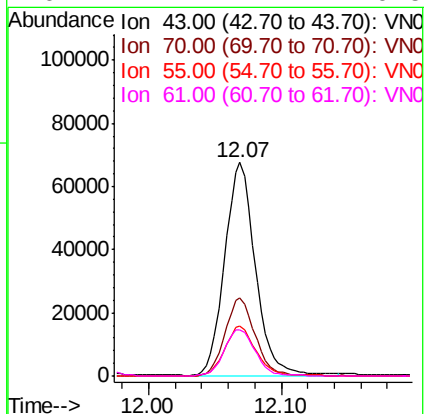
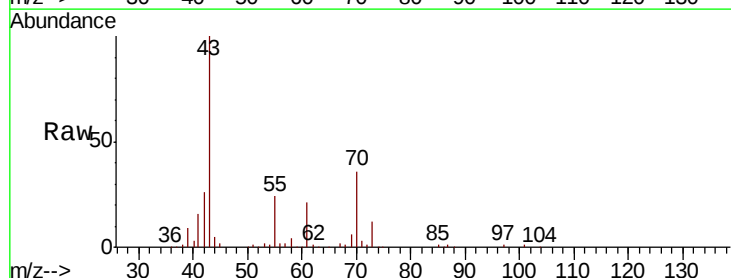
Ion Ratio Lower Upper

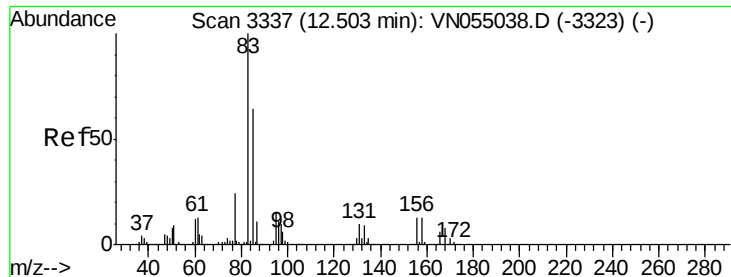
43 100

70 36.0 29.4 44.0

55 23.6 19.0 28.4

61 22.2 17.7 26.5





#75

1,1,2,2-Tetrachloroethane

Concen: 18.900 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055084.D

Acq: 16 Apr 2019 17:45

Instrument :

MSVOA_N

ClientSampleId :

VN0416WBSD02

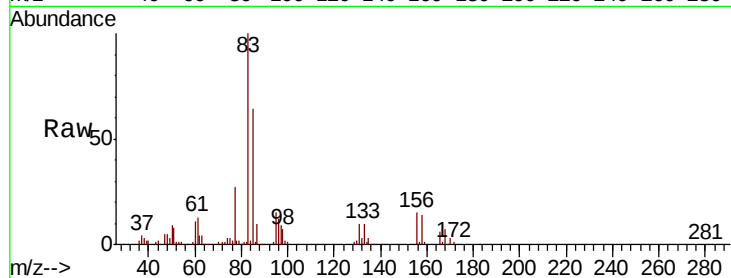
Tot Ion: 83 Resp: 97804

Ion Ratio Lower Upper

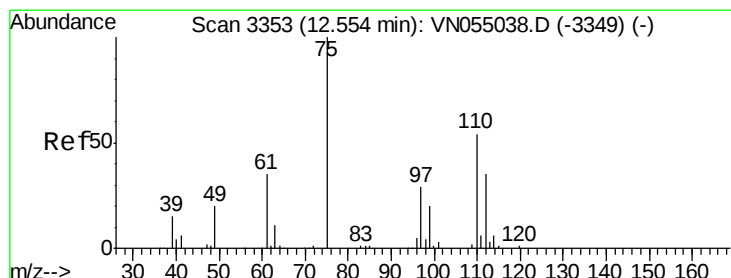
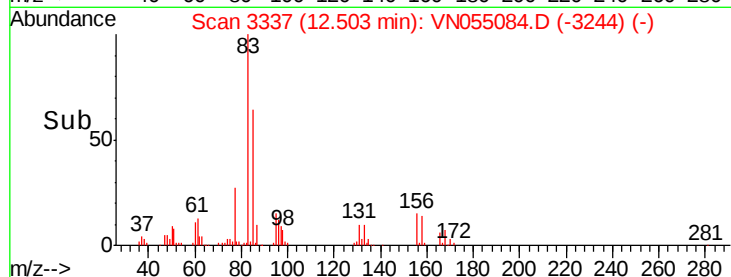
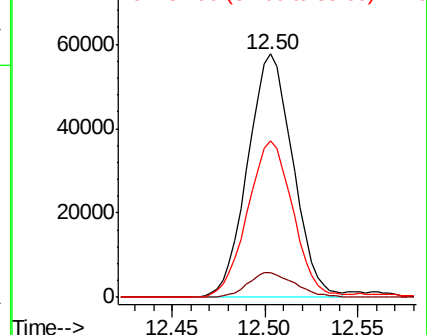
83 100

131 10.4 5.0 15.0

85 64.7 32.3 96.9



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: 28.012 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN055084.D

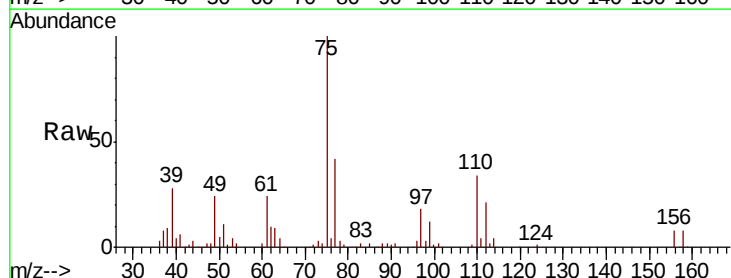
Acq: 16 Apr 2019 17:45

Tgt Ion: 75 Resp: 109777

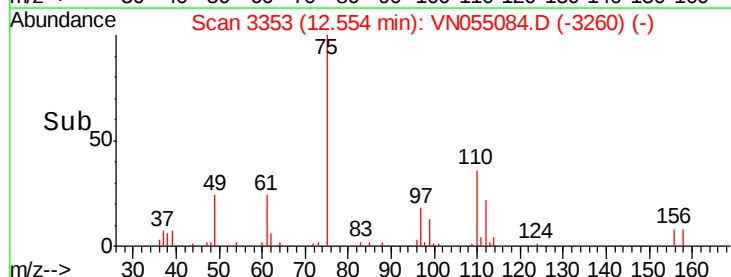
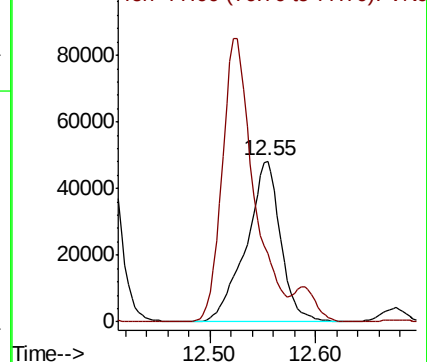
Ion Ratio Lower Upper

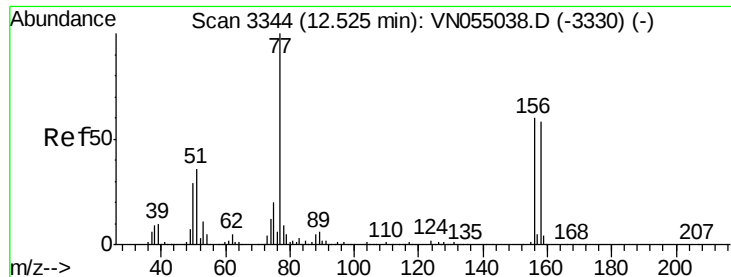
75 100

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: 19.172 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055084.D

Acq: 16 Apr 2019 17:45

Instrument :

MSVOA_N

ClientSampleId :

VN0416WBSD02

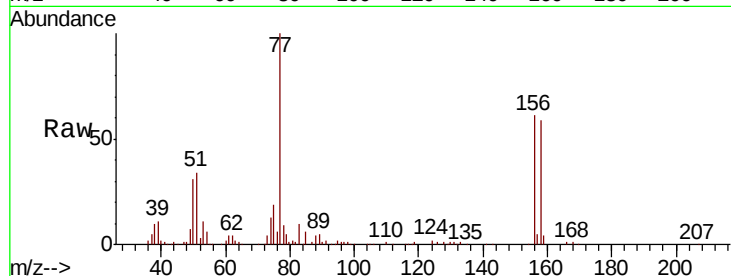
Tot Ion:156 Resp: 92433

Ion Ratio Lower Upper

156 100

77 191.5 97.2 291.5

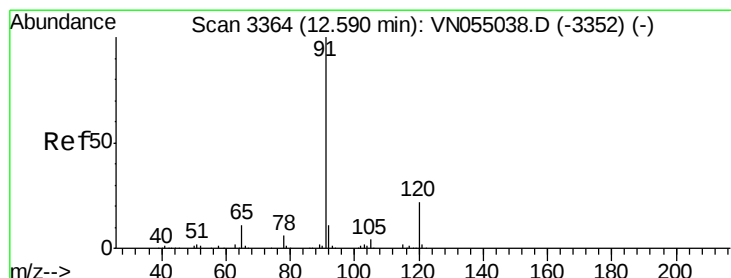
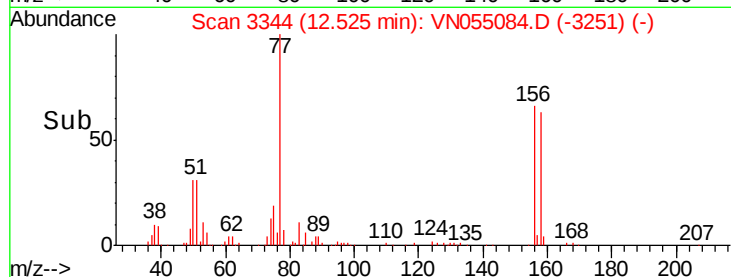
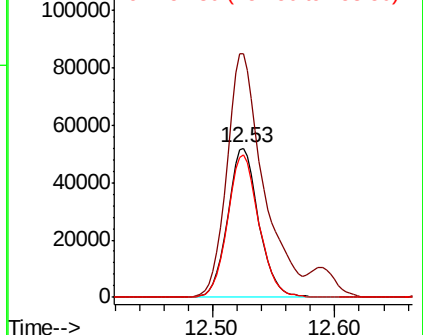
158 96.4 48.6 145.9



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.942 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055084.D

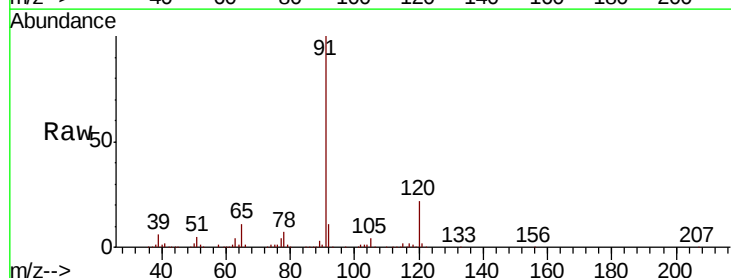
Acq: 16 Apr 2019 17:45

Tgt Ion: 91 Resp: 395777

Ion Ratio Lower Upper

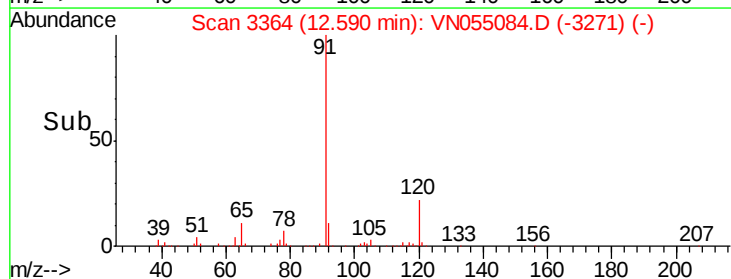
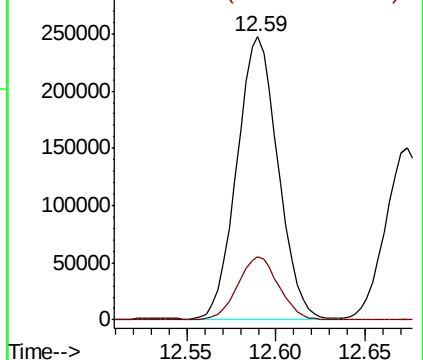
91 100

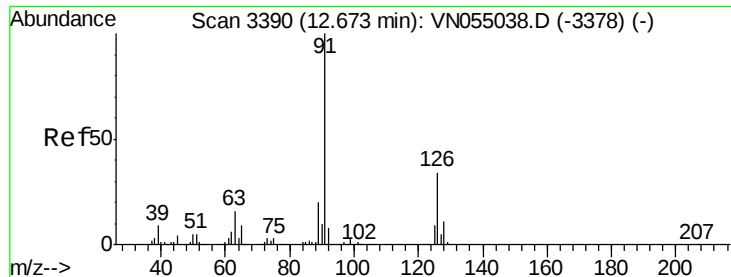
120 22.5 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.351 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055084.D

Acq: 16 Apr 2019 17:45

Instrument :

MSVOA_N

ClientSampleId :

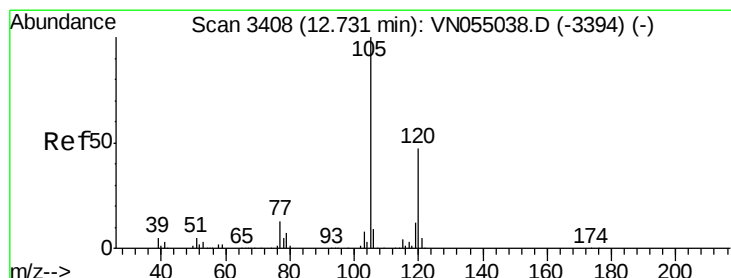
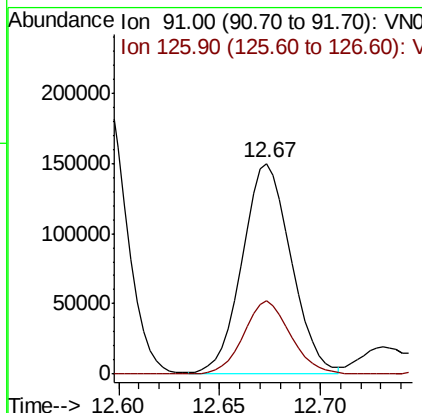
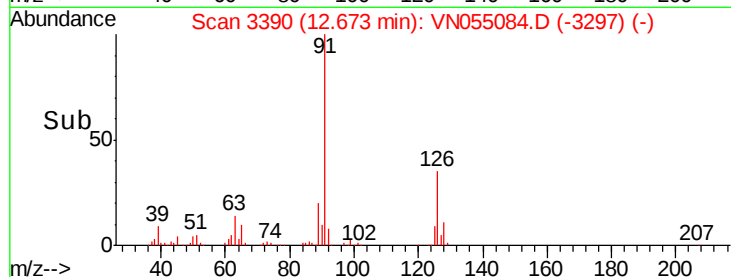
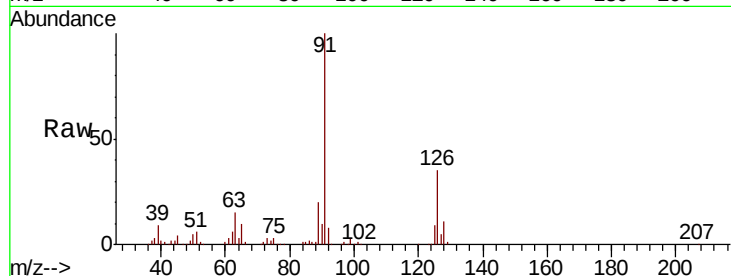
VN0416WBSD02

Tot Ion: 91 Resp: 252185

Ion Ratio Lower Upper

91 100

126 33.8 17.1 51.2



#80

1,3,5-Trimethylbenzene

Concen: 19.420 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055084.D

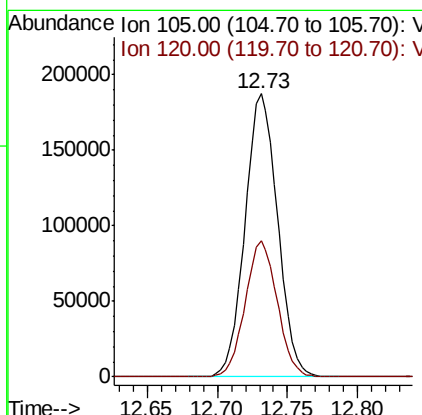
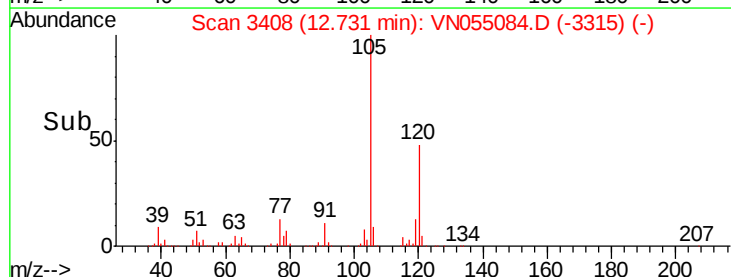
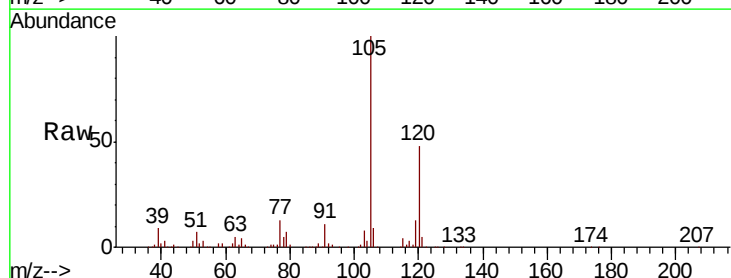
Acq: 16 Apr 2019 17:45

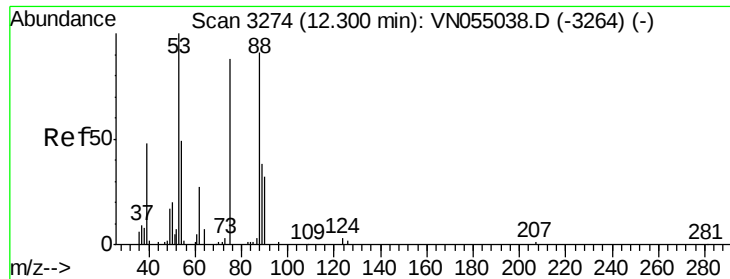
Tgt Ion: 105 Resp: 303074

Ion Ratio Lower Upper

105 100

120 47.3 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 19.660 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055084.D

Acq: 16 Apr 2019 17:45

Instrument :

MSVOA_N

ClientSampleId :

VN0416WBSD02

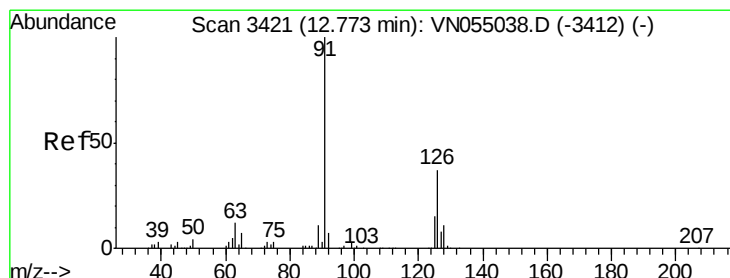
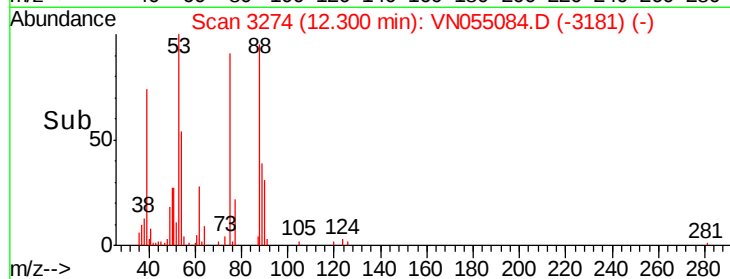
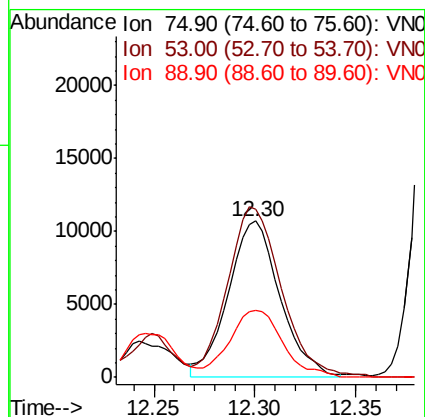
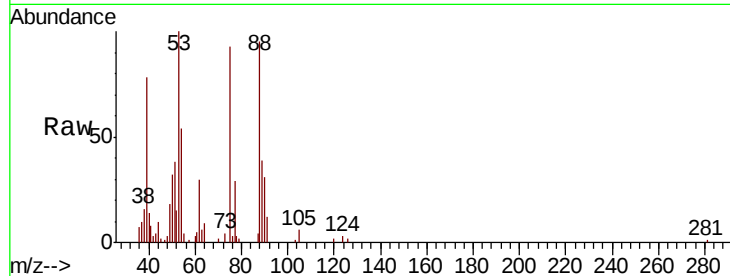
Tot Ion: 75 Resp: 19267

Ion Ratio Lower Upper

75 100

53 113.9 96.3 144.5

89 44.4 38.6 57.8



#82

4-Chlorotoluene

Concen: 19.368 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN055084.D

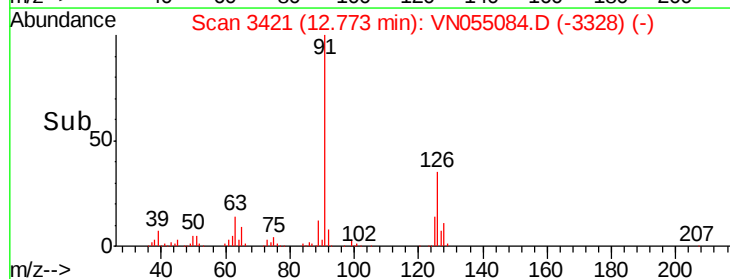
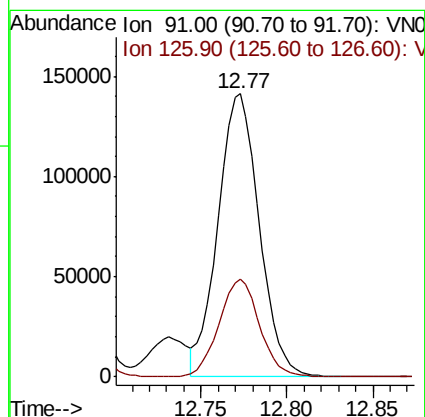
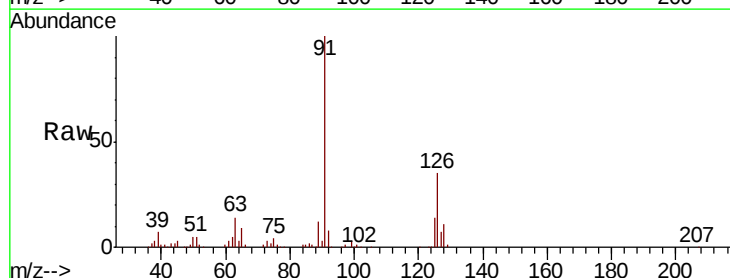
Acq: 16 Apr 2019 17:45

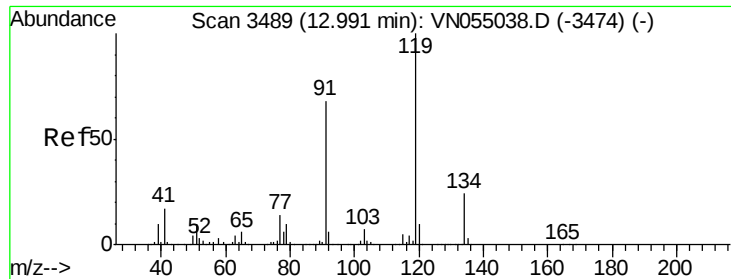
Tgt Ion: 91 Resp: 235497

Ion Ratio Lower Upper

91 100

126 34.1 16.4 49.2

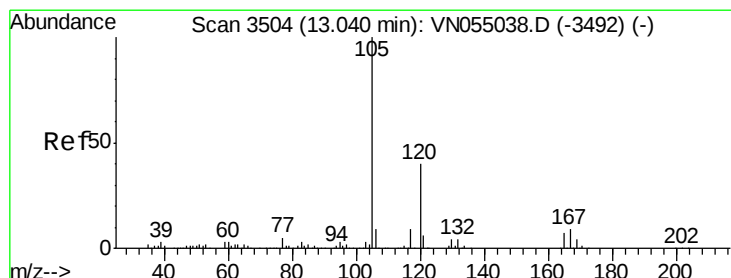
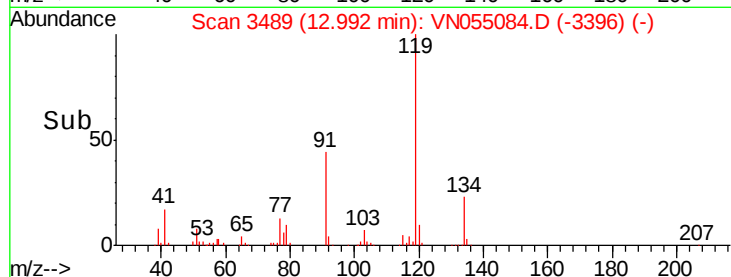
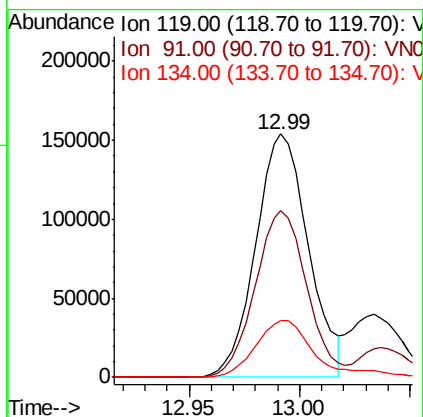
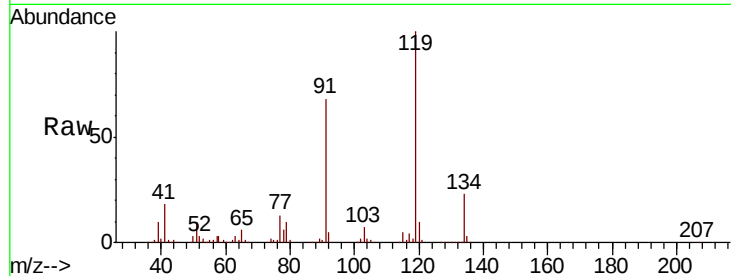




#83
tert-Butylbenzene
Concen: 19.346 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN055084.D
Acq: 16 Apr 2019 17:45

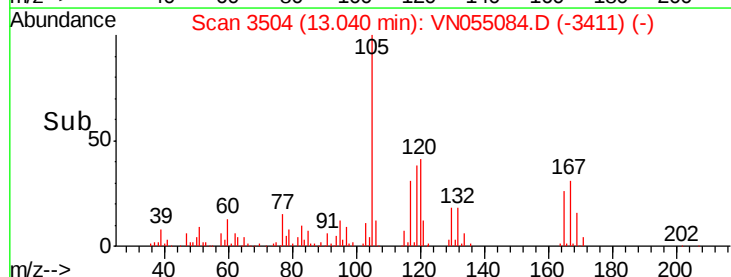
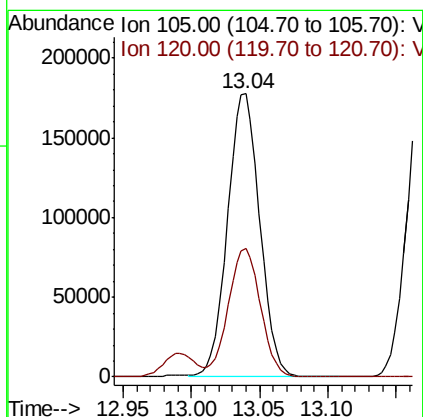
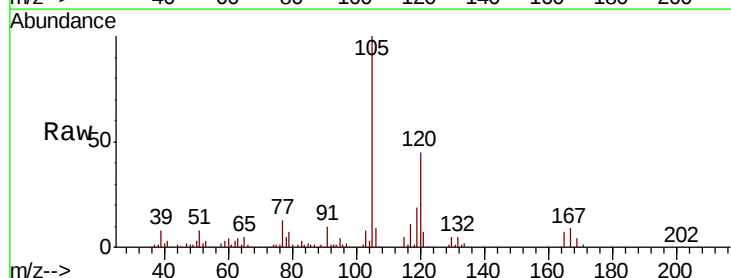
Instrument :
MSVOA_N
ClientSampleId :
VN0416WBSD02

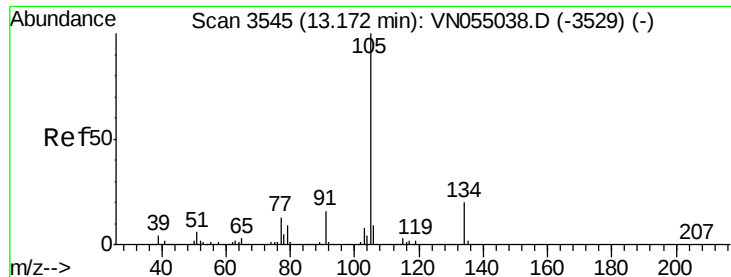
Tot Ion:119 Resp: 254983
Ion Ratio Lower Upper
119 100
91 67.0 33.3 99.8
134 26.5 12.3 36.9



#84
1,2,4-Trimethylbenzene
Concen: 19.740 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN055084.D
Acq: 16 Apr 2019 17:45

Tgt Ion:105 Resp: 291954
Ion Ratio Lower Upper
105 100
120 45.1 22.4 67.3





#85

sec-Butylbenzene

Concen: 19.388 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN055084.D

Acq: 16 Apr 2019 17:45

Instrument :

MSVOA_N

ClientSampleId :

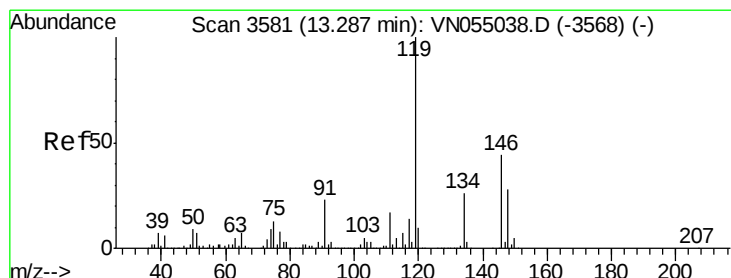
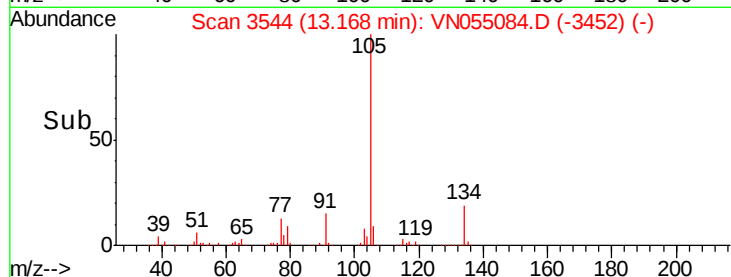
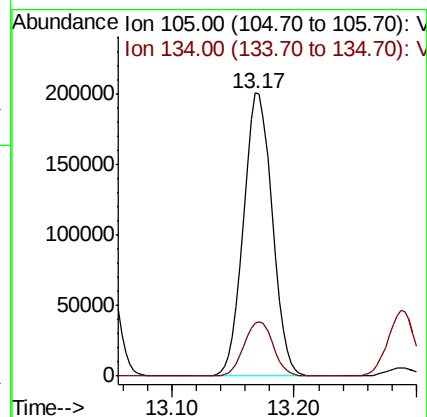
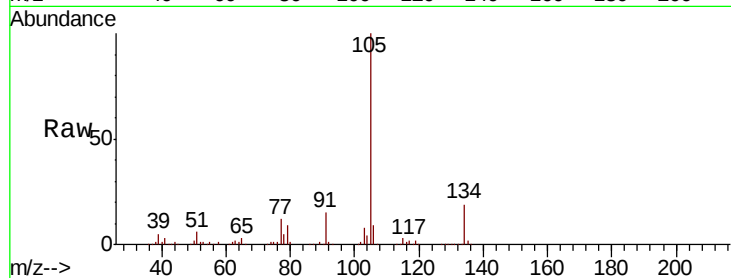
VN0416WBSD02

Tot Ion:105 Resp: 325603

Ion Ratio Lower Upper

105 100

134 19.5 9.8 29.3



#86

p-Isopropyltoluene

Concen: 19.324 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055084.D

Acq: 16 Apr 2019 17:45

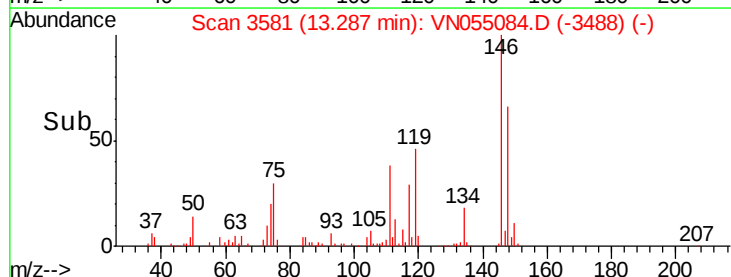
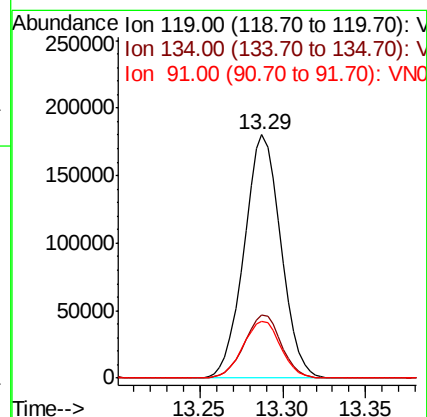
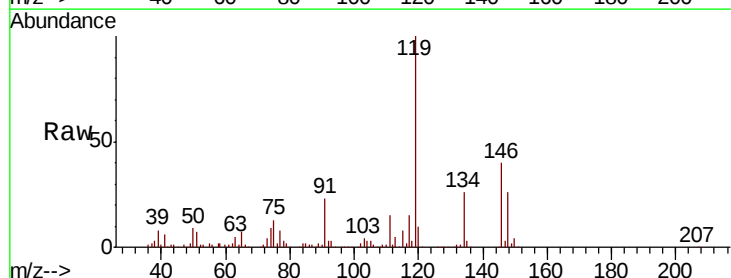
Tgt Ion:119 Resp: 278429

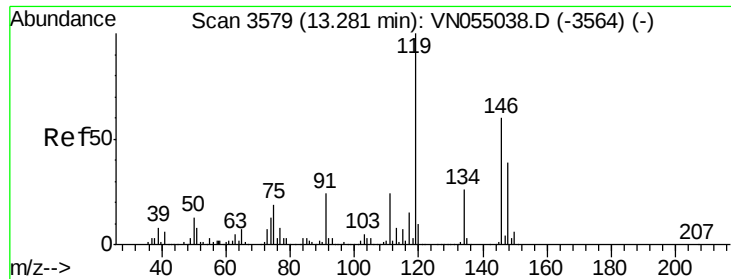
Ion Ratio Lower Upper

119 100

134 26.1 13.2 39.5

91 23.9 11.7 35.1

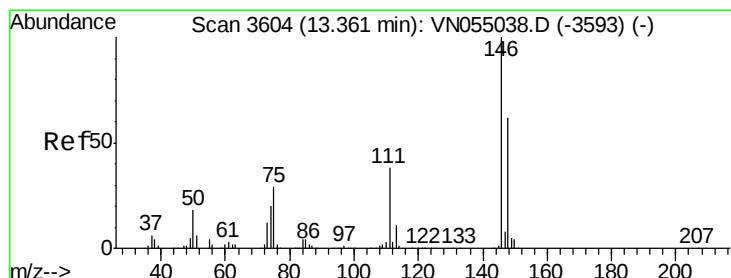
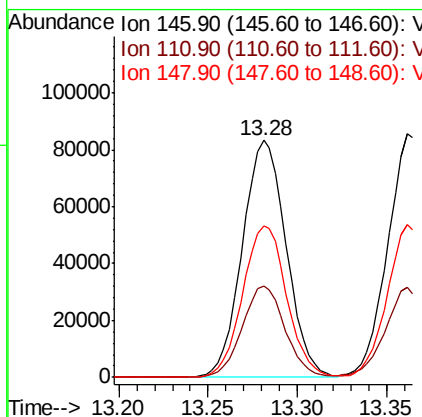
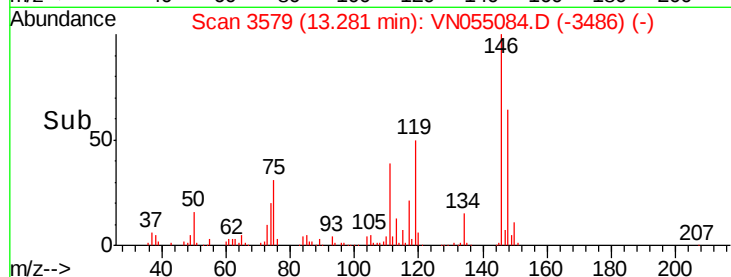
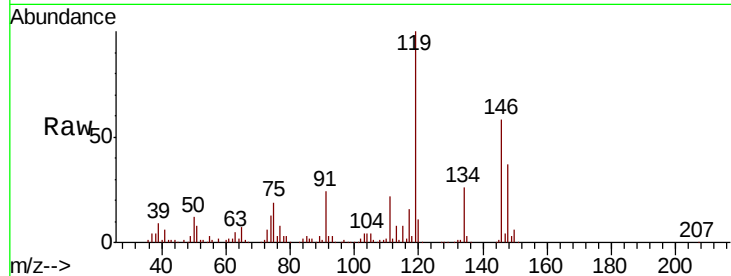




#87
 1,3-Dichlorobenzene
 Concen: 19.471 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055084.D
 Acq: 16 Apr 2019 17:45

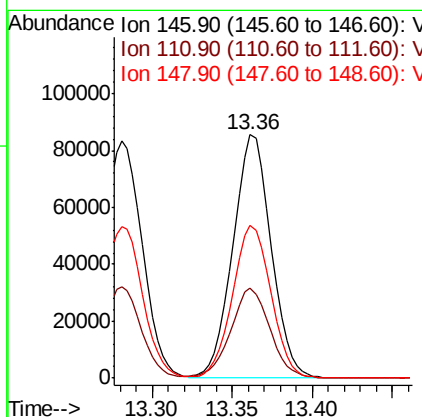
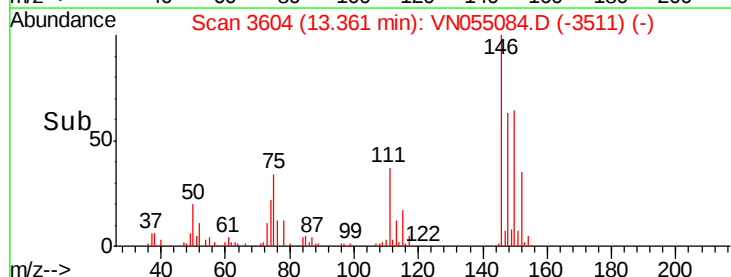
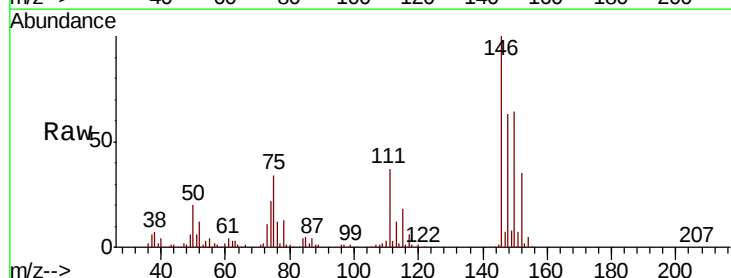
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0416WBSD02

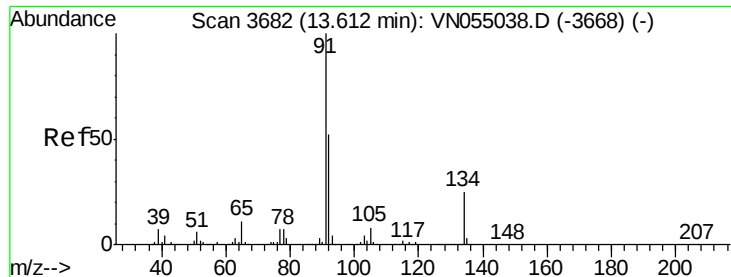
Tot Ion:146 Resp: 142689
 Ion Ratio Lower Upper
 146 100
 111 37.7 19.5 58.5
 148 64.3 31.6 94.7



#88
 1,4-Dichlorobenzene
 Concen: 19.926 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN055084.D
 Acq: 16 Apr 2019 17:45

Tgt Ion:146 Resp: 139245
 Ion Ratio Lower Upper
 146 100
 111 38.0 18.8 56.4
 148 63.2 32.4 97.2

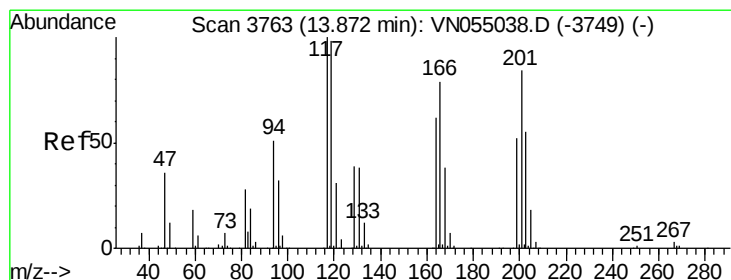
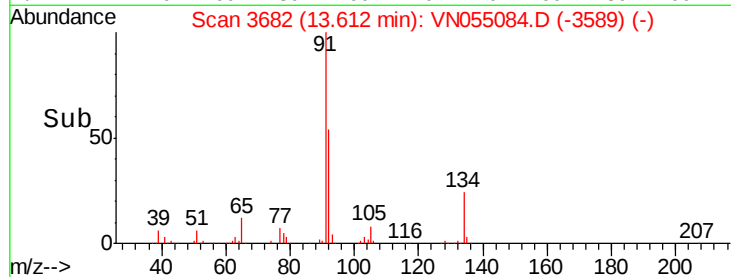
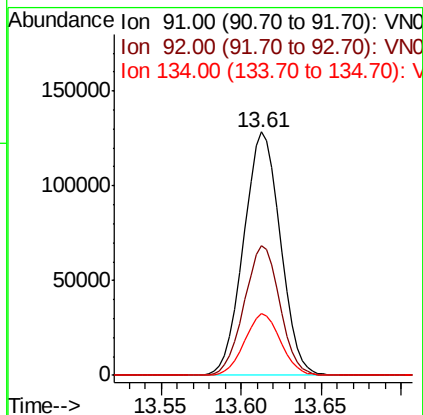
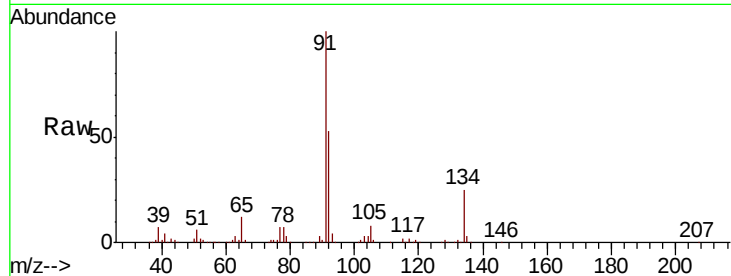




#89
n-Butylbenzene
Concen: 18.861 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055084.D
Acq: 16 Apr 2019 17:45

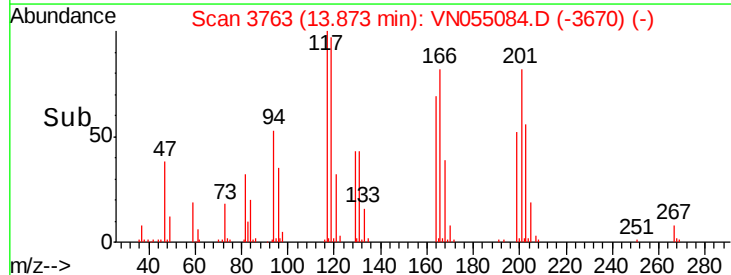
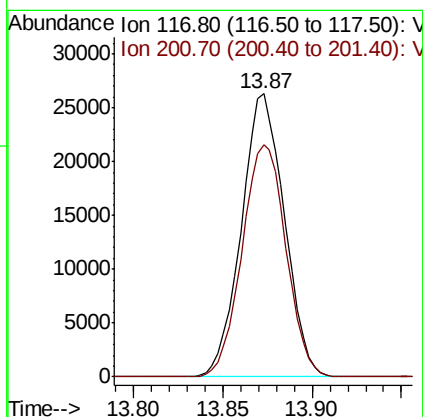
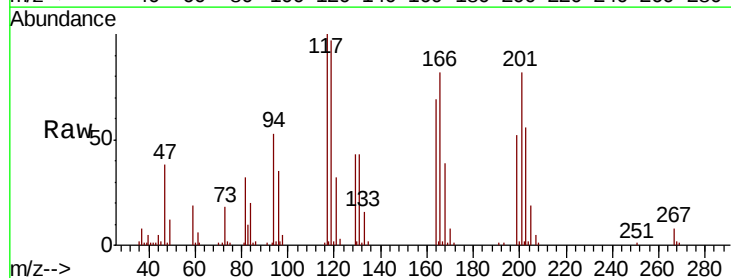
Instrument :
MSVOA_N
ClientSampled :
VN0416WBSD02

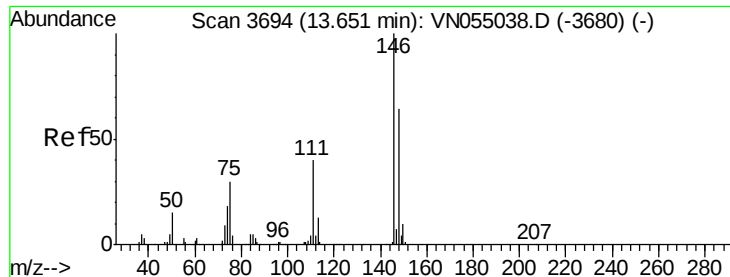
Tot Ion: 91 Resp: 201741
Ion Ratio Lower Upper
91 100
92 51.6 25.9 77.7
134 24.8 12.8 38.3



#90
Hexachloroethane
Concen: 18.862 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055084.D
Acq: 16 Apr 2019 17:45

Tgt Ion: 117 Resp: 44220
Ion Ratio Lower Upper
117 100
201 83.6 43.4 130.2





#91

1,2-Dichlorobenzene

Concen: 19.766 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN055084.D

Acq: 16 Apr 2019 17:45

Instrument :

MSVOA_N

ClientSampleId :

VN0416WBSD02

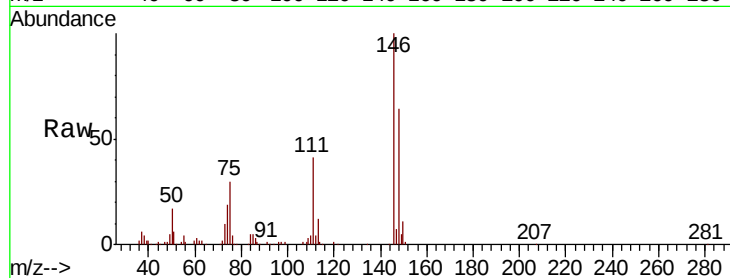
Tot Ion:146 Resp: 145736

Ion Ratio Lower Upper

146 100

111 40.1 20.3 60.9

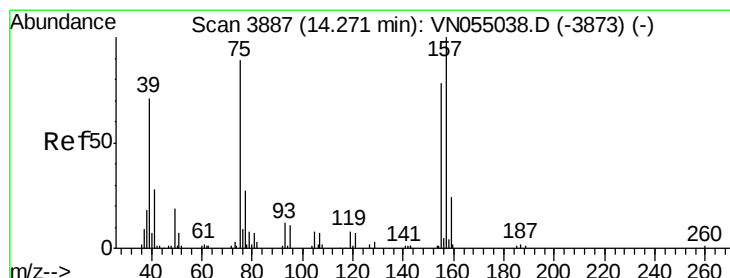
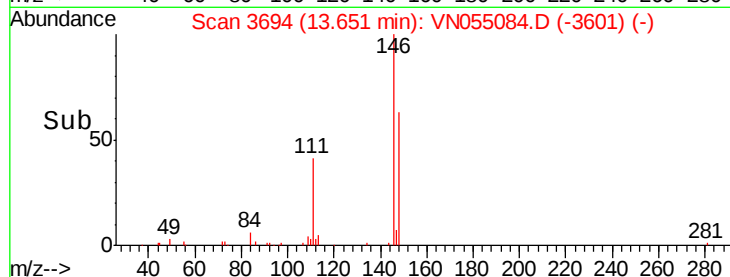
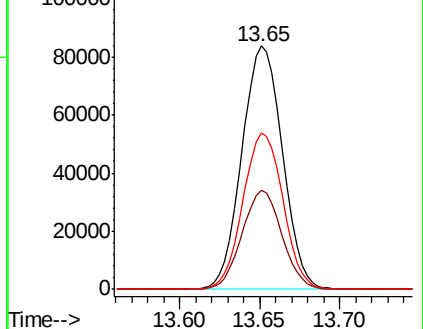
148 63.3 32.2 96.6



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: 19.811 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

Lab File: VN055084.D

Acq: 16 Apr 2019 17:45

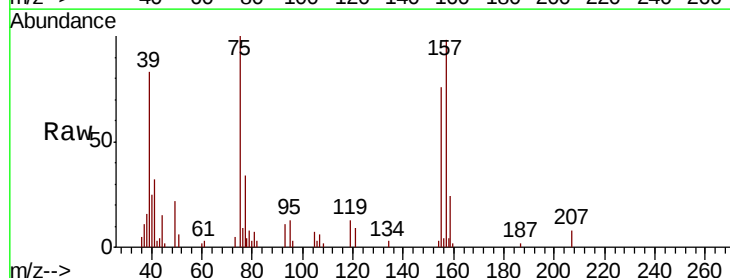
Tgt Ion: 75 Resp: 12624

Ion Ratio Lower Upper

75 100

155 79.0 42.0 126.0

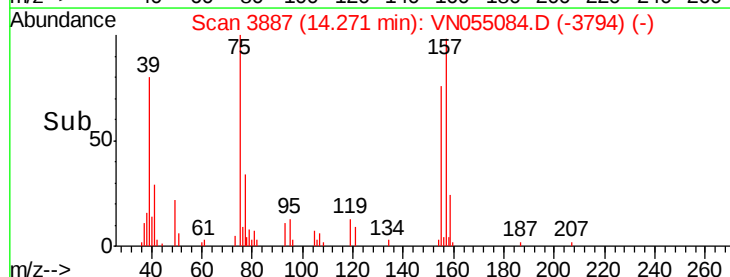
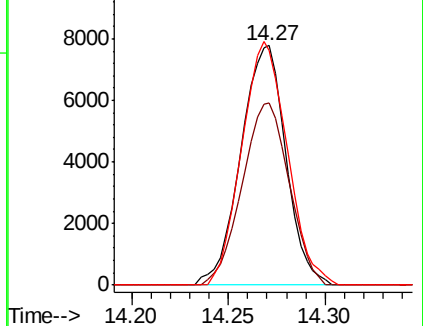
157 102.7 52.1 156.4

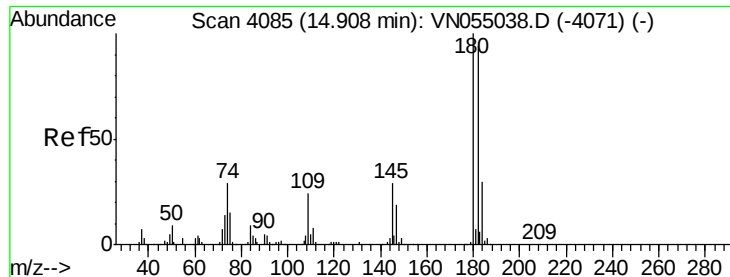


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

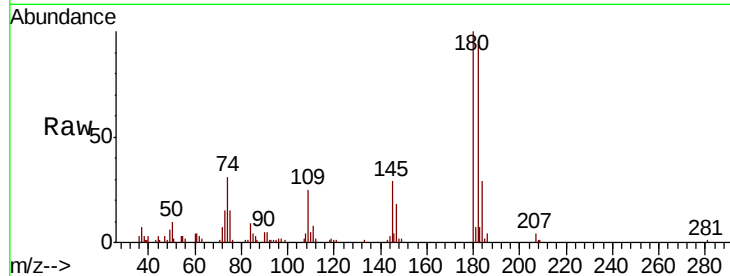




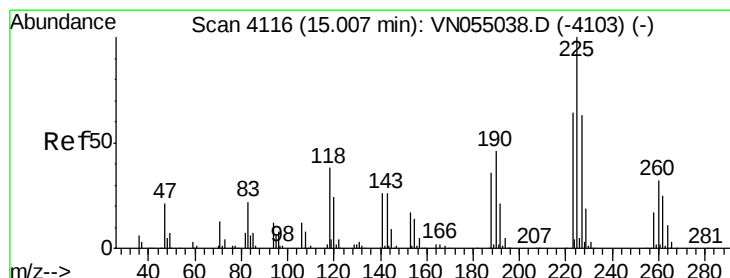
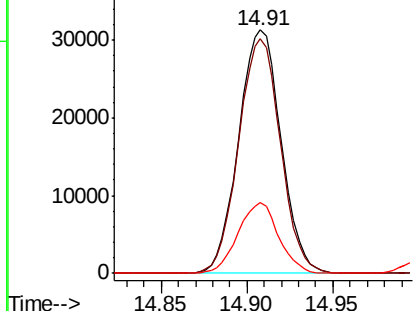
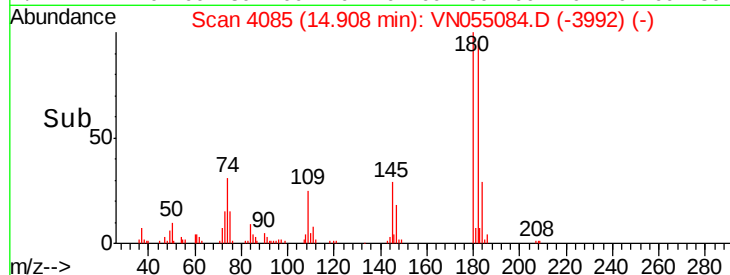
#93
 1,2,4-Trichlorobenzene
 Concen: 17.817 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055084.D
 Acq: 16 Apr 2019 17:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0416WBSD02

Tot Ion:180 Resp: 53463
 Ion Ratio Lower Upper
 180 100
 182 95.1 47.5 142.6
 145 27.9 14.2 42.8

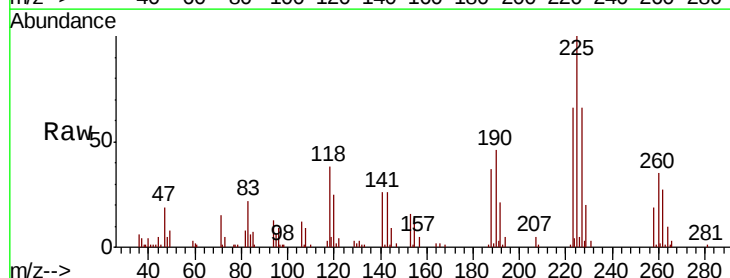


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

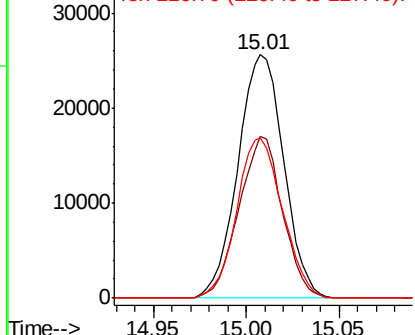
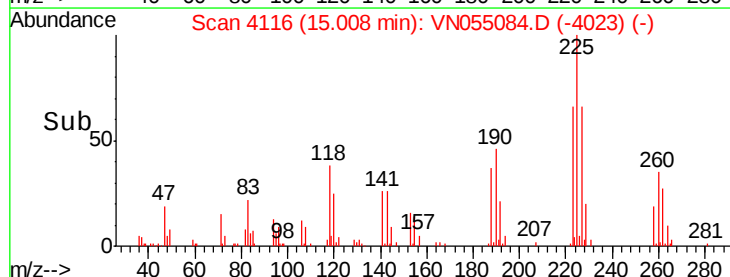


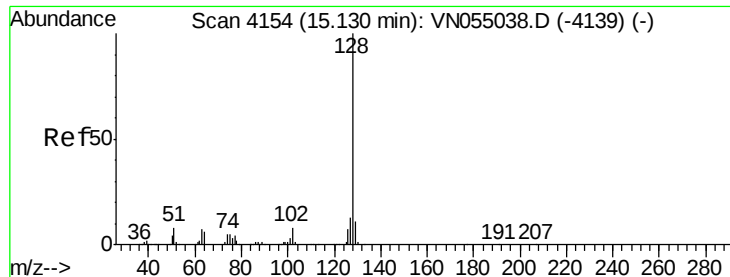
#94
 Hexachlorobutadiene
 Concen: 19.262 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055084.D
 Acq: 16 Apr 2019 17:45

Tgt Ion:225 Resp: 43865
 Ion Ratio Lower Upper
 225 100
 223 63.1 31.4 94.0
 227 65.4 32.6 97.7



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: 16.954 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN055084.D

Acq: 16 Apr 2019 17:45

Instrument :

MSVOA_N

ClientSampleId :

VN0416WBSD02

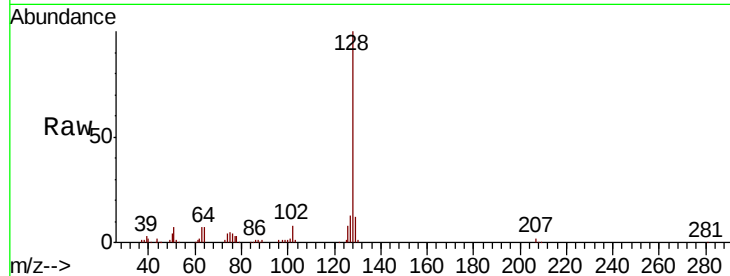
Tot Ion:128 Resp: 115600

Ion Ratio Lower Upper

128 100

127 12.8 10.1 15.1

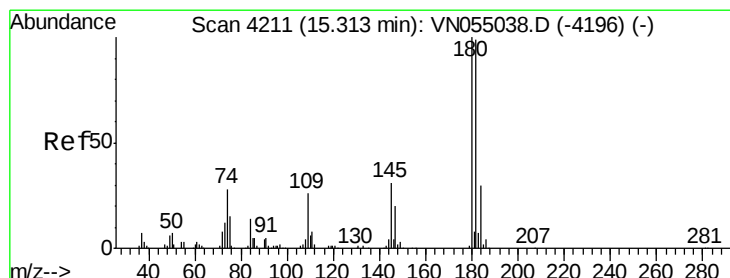
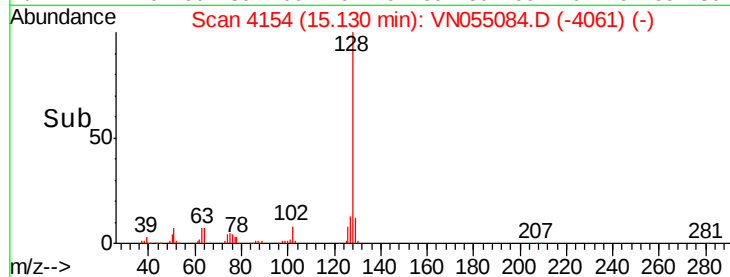
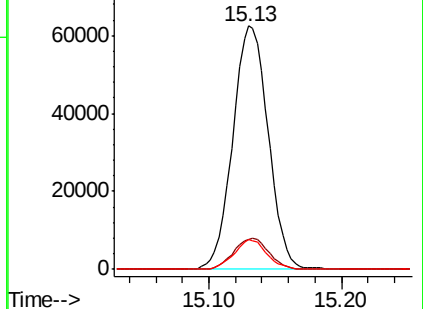
129 11.1 8.8 13.2



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: 19.507 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055084.D

Acq: 16 Apr 2019 17:45

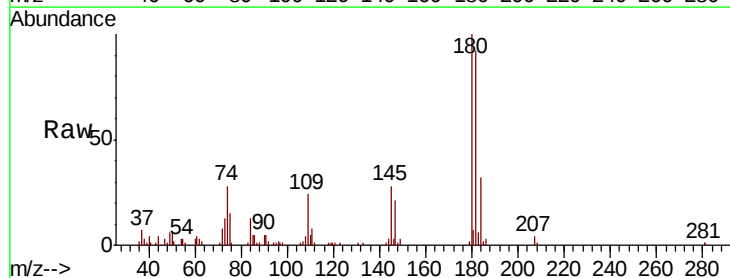
Tgt Ion:180 Resp: 55486

Ion Ratio Lower Upper

180 100

182 96.0 48.0 144.0

145 29.4 15.3 45.9



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

