

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041619\
 Data File : VN055077.D
 Acq On : 16 Apr 2019 14:41
 Operator : JC/SP
 Sample : VN0416WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0416WBSD01

Quant Time: Apr 17 01:34:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N041119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Apr 12 07:55:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	72094	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	398404	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	341738	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	166182	30.24	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.80%
60) 4-Bromofluorobenzene	12.40	95	156902	29.49	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.30%
63) Toluene-d8	10.09	98	501143	30.84	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	83421	19.674	ug/l 99
3) Chloromethane	2.06	50	111248	19.422	ug/l 96
4) Vinyl Chloride	2.19	62	95767	19.334	ug/l 99
5) Bromomethane	2.57	94	56308	19.653	ug/l 90
6) Chloroethane	2.71	64	54736	19.731	ug/l 96
7) Trichlorofluoromethane	3.02	101	123673	19.539	ug/l 100
8) Diethyl Ether	3.41	74	40646	20.000	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	66914	19.340	ug/l 96
10) 1,1-Dichloroethene	3.73	96	61973	19.373	ug/l 98
11) Methyl Iodide	3.95	142	101673	21.003	ug/l 99
12) Methyl Acetate	4.33	43	90736	23.061	ug/l 97
13) Acrolein	3.61	56	32524	94.316	ug/l 97
14) Acrylonitrile	4.99	53	173201	107.444	ug/l 97
15) Acetone	3.82	58	31621	79.271	ug/l 95
16) Carbon Disulfide	4.04	76	198784	18.526	ug/l 99
17) Allyl chloride	4.32	41	162422	20.618	ug/l 98
18) Methylene Chloride	4.55	84	94553	19.996	ug/l 97
19) trans-1,2-Dichloroethene	5.04	96	83433	20.036	ug/l 97
20) Diisopropyl ether	5.96	45	327333	20.511	ug/l 99
21) 1,1-Dichloroethane	5.85	63	174303	20.449	ug/l 99
22) cis-1,2-Dichloroethene	6.83	96	98725	20.397	ug/l 97
23) tert-Butyl Alcohol	4.82	59	30172	117.383	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	229296	21.347	ug/l # 67
25) Chloroform	7.37	83	167198	20.478	ug/l 99
26) Cyclohexane	7.65	56	153367	19.392	ug/l # 96
29) 1,1-Dichloropropene	7.79	75	122763	19.786	ug/l 98
30) 2-Butanone	6.85	43	208016	100.999	ug/l 99
31) 2,2-Dichloropropane	6.82	77	107728	18.864	ug/l # 100
32) 1,1,1-Trichloroethane	7.57	97	133031	20.285	ug/l 98
33) Carbon Tetrachloride	7.77	117	111519	19.641	ug/l 97
34) Benzene	8.04	78	366949	19.957	ug/l 98
35) Methacrylonitrile	7.18	41	47603	19.610	ug/l 93
36) 1,2-Dichloroethane	8.12	62	125854	20.027	ug/l 100
37) Trichloroethene	8.83	130	90982	19.410	ug/l 88
38) Methylcyclohexane	9.08	83	129402	17.984	ug/l 99
39) 1,2-Dichloropropane	9.12	63	104448	20.572	ug/l 98
40) Dibromomethane	9.21	93	58366	20.338	ug/l 99

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Instrument :
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 ClientSampleId :
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Quant Time: Apr 17 01:34:33 2019
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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Apr 12 07:55:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	115713	19.537	ug/l	99
42) Vinyl Acetate	5.90	43	1075134	103.256	ug/l	100
43) Ethyl Acetate	6.94	43	92709	22.095	ug/l	100
44) Isopropyl Acetate	8.17	43	150625	21.183	ug/l	98
45) 1,4-Dioxane	9.20	88	16422	416.868	ug/l	99
46) Methyl methacrylate	9.20	41	79634	21.649	ug/l	95
47) n-amyl Acetate	12.07	43	112833	21.544	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	104340	19.184	ug/l	100
49) cis-1,3-Dichloropropene	9.84	75	132868	19.789	ug/l	96
50) 1,1,2-Trichloroethane	10.56	97	81097	20.806	ug/l	99
51) Ethyl methacrylate	10.43	69	93613	20.148	ug/l	95
52) 1,3-Dichloropropane	10.71	76	139364	20.405	ug/l	100
53) Dibromochloromethane	10.90	129	77562	19.318	ug/l	99
54) 1,2-Dibromoethane	11.00	107	74186	20.274	ug/l	100
55) 2-Chloroethyl vinyl ether	9.70	63	180927	93.144	ug/l	99
56) Bromoform	12.13	173	46552	18.453	ug/l #	97
58) 4-Methyl-2-Pentanone	9.99	43	442378	112.251	ug/l	99
59) 2-Hexanone	10.75	43	266303	106.368	ug/l	99
61) Tetrachloroethene	10.63	164	86969	19.555	ug/l	95
62) Toluene	10.15	91	380592	20.212	ug/l	99
64) Chlorobenzene	11.43	112	229915	20.225	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.51	131	82995	20.528	ug/l	99
66) Ethyl Benzene	11.51	91	403003	19.966	ug/l	100
67) m/p-Xylenes	11.62	106	300713	40.080	ug/l	98
68) o-Xylene	11.95	106	147301	19.867	ug/l	97
69) Styrene	11.96	104	225987	19.628	ug/l	98
70) Isopropylbenzene	12.25	105	387414	19.543	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	97294	21.458	ug/l	97
72) 1,2,3-Trichloropropane	12.55	75	112747	30.110	ug/l	55
73) Bromobenzene	12.53	156	92344	19.708	ug/l	99
74) n-propylbenzene	12.59	91	436605	19.673	ug/l	99
75) 2-Chlorotoluene	12.67	91	270675	20.222	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	308156	19.227	ug/l	98
77) t-1,4-Dichloro-2-butene	12.30	75	18775	19.892	ug/l	94
78) 4-Chlorotoluene	12.77	91	251283	19.703	ug/l	99
79) tert-butylbenzene	12.99	119	270571	19.511	ug/l	100
80) 1,2,4-Trimethylbenzene	13.04	105	308995	19.626	ug/l	100
81) sec-Butylbenzene	13.17	105	350485	18.915	ug/l	99
82) p-Isopropyltoluene	13.29	119	295819	18.916	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	153065	19.526	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	138530	18.597	ug/l	100
85) n-Butylbenzene	13.61	91	218203	17.517	ug/l	99
86) Hexachloroethane	13.87	117	45040	17.991	ug/l	96
87) 1,2-Dichlorobenzene	13.65	146	154082	20.071	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.27	75	12432	20.630	ug/l	92
89) 1,2,4-Trichlorobenzene	14.91	180	56741	16.532	ug/l	96
90) Hexachlorobutadiene	15.01	225	45252	18.084	ug/l	97
91) Naphthalene	15.13	128	124529	17.328	ug/l	100
92) 1,2,3-Trichlorobenzene	15.31	180	59536	17.345	ug/l	98

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ClientSampleId :
VN0416WBSD01

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Apr 12 07:55:25 2019
Response via : Initial Calibration

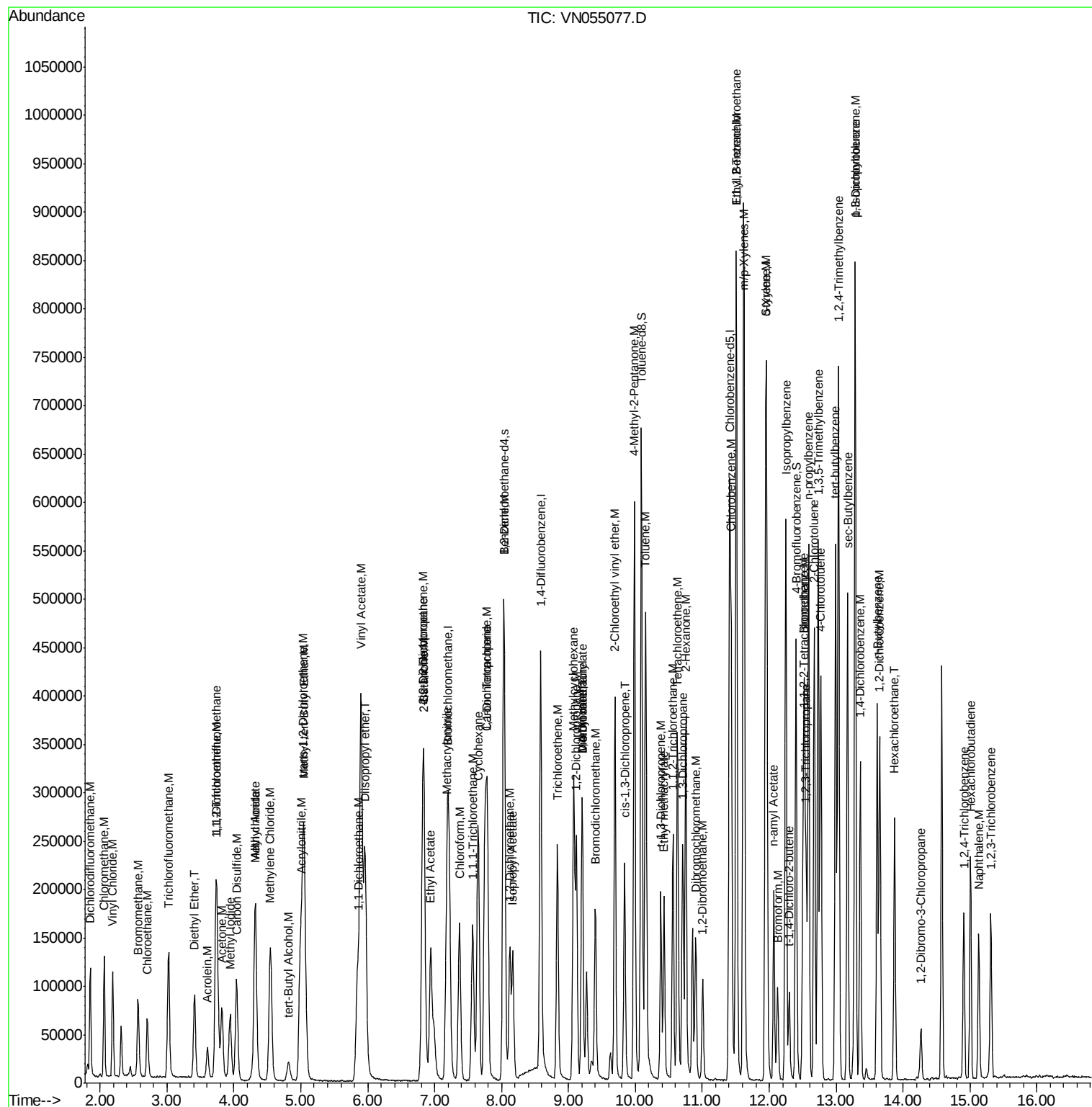
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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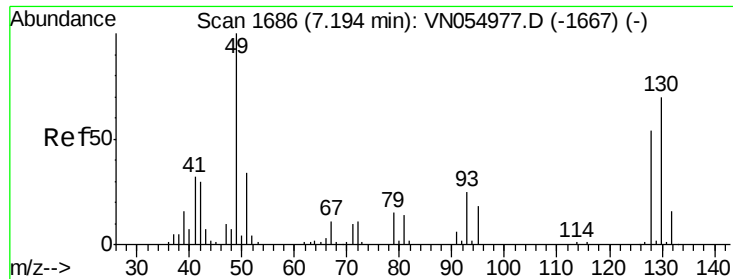
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN041619\
Data File : VN055077.D
Acq On : 16 Apr 2019 14:41
Operator : JC/SP
Sample : VN0416WBSD01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0416WBSD01

Quant Time: Apr 17 01:34:33 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA N\METHODS\624N041119W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Apr 12 07:55:25 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN055077.D

Acq: 16 Apr 2019 14:41

Instrument :

MSVOA_N

ClientSampleId :

VN0416WBSD01

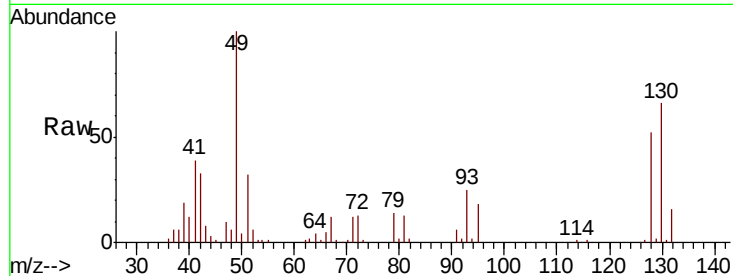
Tot Ion:128 Resp: 72094

Ion Ratio Lower Upper

128 100

49 193.4 0.0 480.3

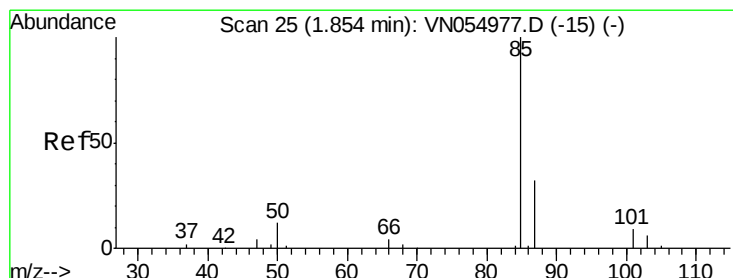
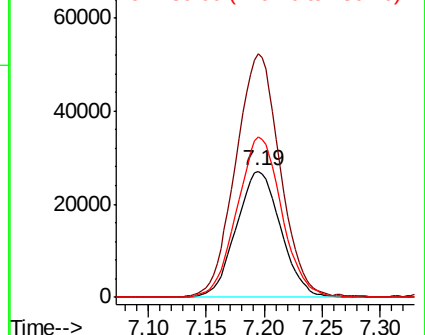
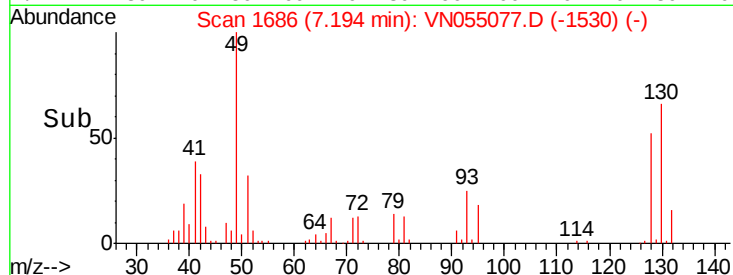
130 128.0 0.0 322.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 19.674 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN055077.D

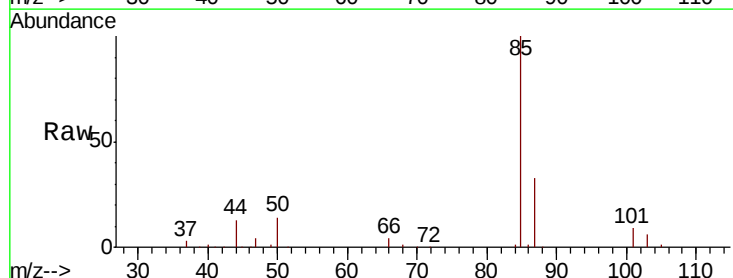
Acq: 16 Apr 2019 14:41

Tgt Ion: 85 Resp: 83421

Ion Ratio Lower Upper

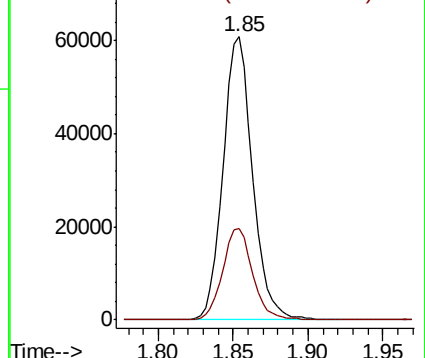
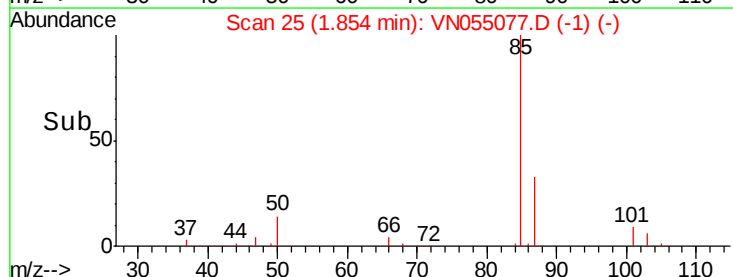
85 100

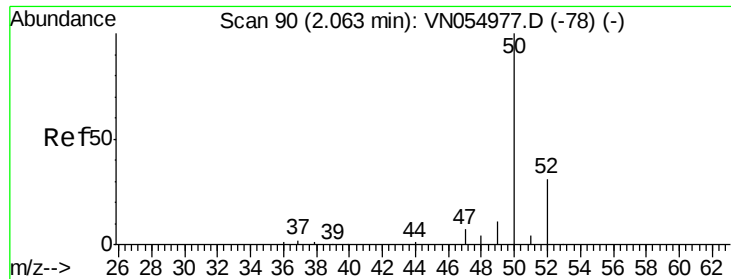
87 32.5 16.1 48.3



Abundance Ion 85.00 (84.70 to 85.70): VN

Ion 87.00 (86.70 to 87.70): VN





#3

Chloromethane

Concen: 19.422 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN055077.D

Acq: 16 Apr 2019 14:41

Instrument :

MSVOA_N

ClientSampleId :

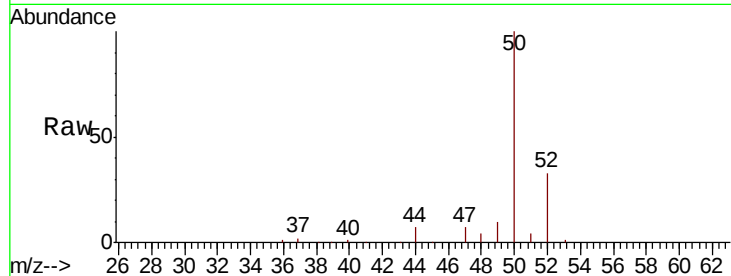
VN0416WBSD01

Tot Ion: 50 Resp: 111248

Ion Ratio Lower Upper

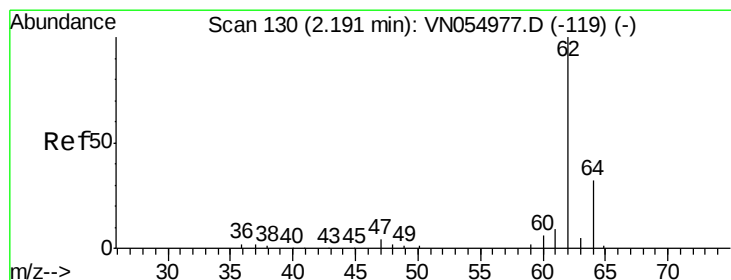
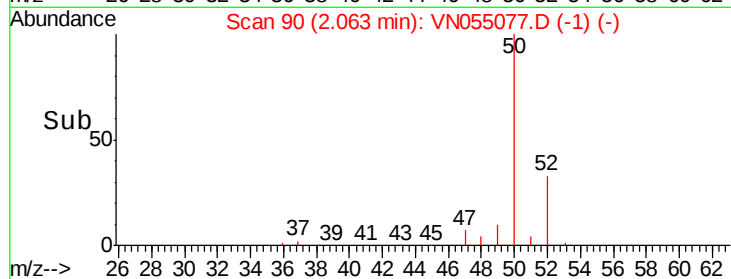
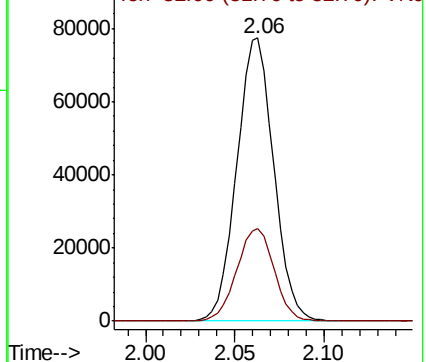
50 100

52 32.5 24.5 36.7



Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#4

Vinyl Chloride

Concen: 19.334 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN055077.D

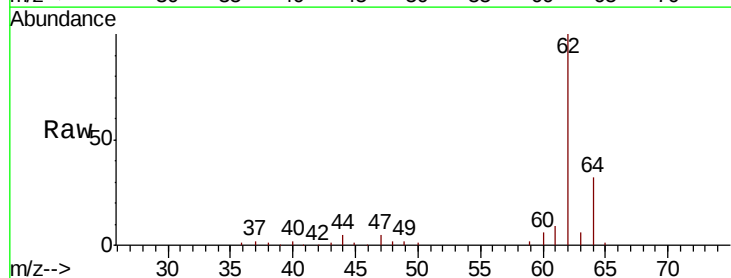
Acq: 16 Apr 2019 14:41

Tgt Ion: 62 Resp: 95767

Ion Ratio Lower Upper

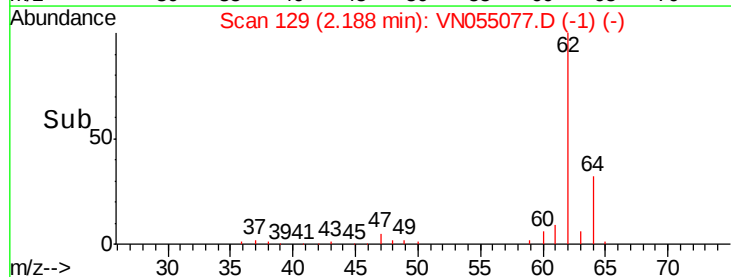
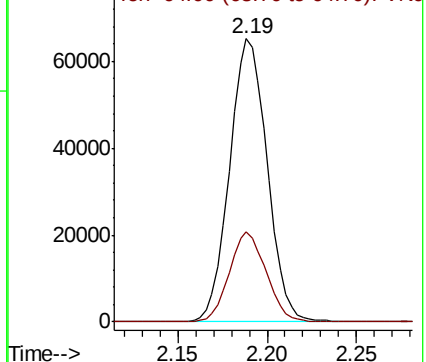
62 100

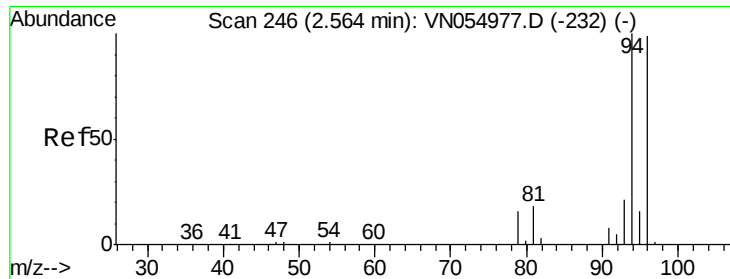
64 31.7 25.6 38.4



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0

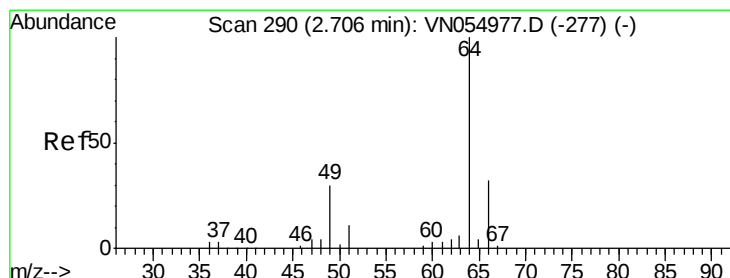
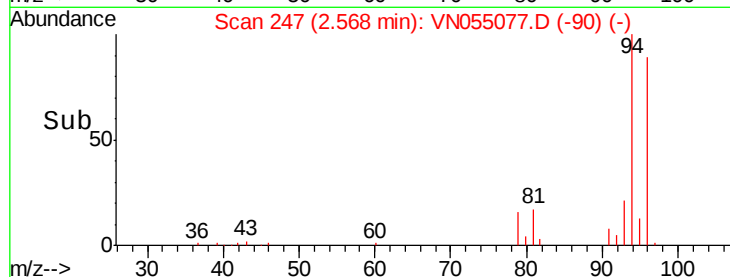
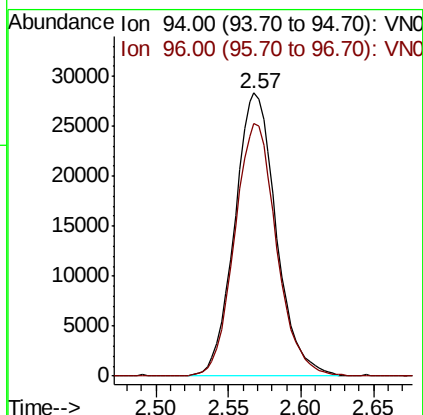
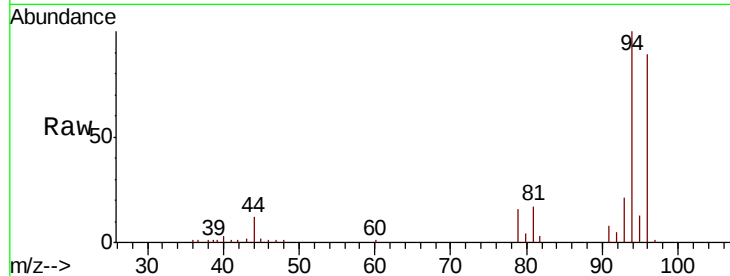




#5
Bromomethane
Concen: 19.653 ug/l
RT: 2.57 min Scan# 247
Delta R.T. 0.00 min
Lab File: VN055077.D
Acq: 16 Apr 2019 14:41

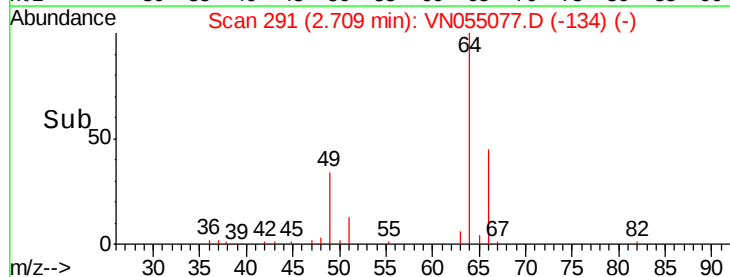
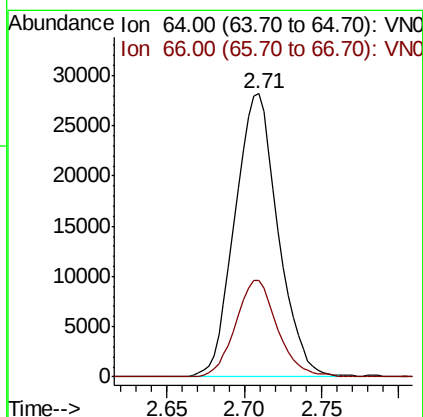
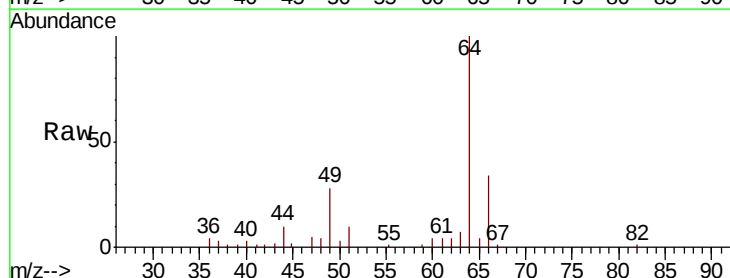
Instrument :
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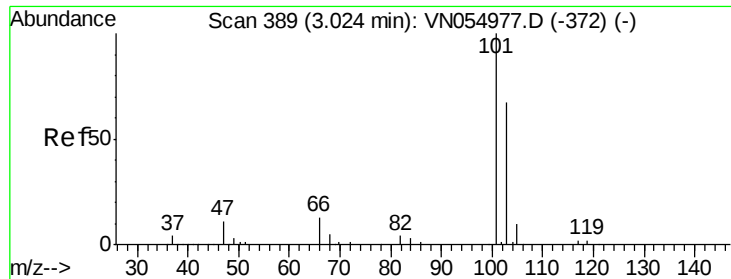
Tot Ion: 94 Resp: 56308
Ion Ratio Lower Upper
94 100
96 89.2 79.1 118.7



#6
Chloroethane
Concen: 19.731 ug/l
RT: 2.71 min Scan# 291
Delta R.T. 0.00 min
Lab File: VN055077.D
Acq: 16 Apr 2019 14:41

Tgt Ion: 64 Resp: 54736
Ion Ratio Lower Upper
64 100
66 34.3 25.7 38.5



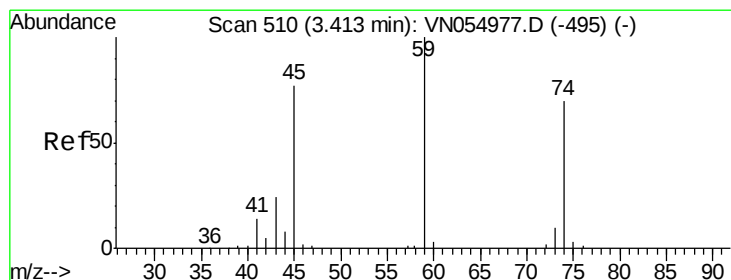
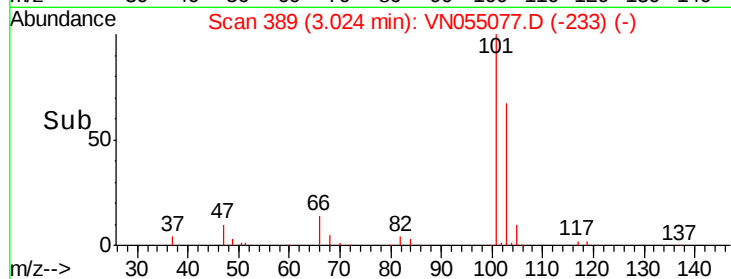
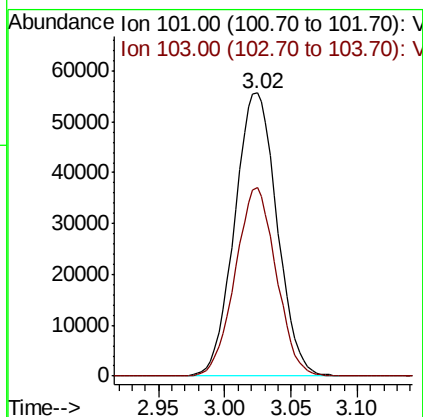
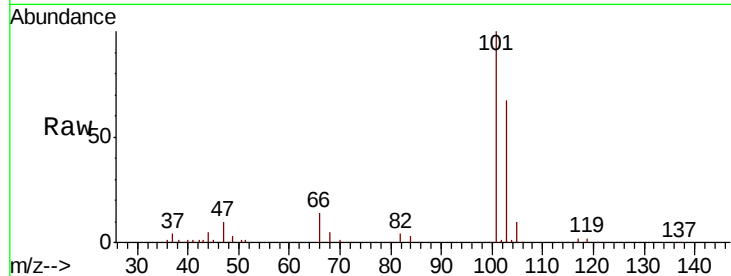


#7

Trichlorofluoromethane
Concen: 19.539 ug/l
RT: 3.02 min Scan# 389
Delta R.T. 0.00 min
Lab File: VN055077.D
Acq: 16 Apr 2019 14:41

Instrument :
MSVOA_N
ClientSampleId :
VN0416WBSD01

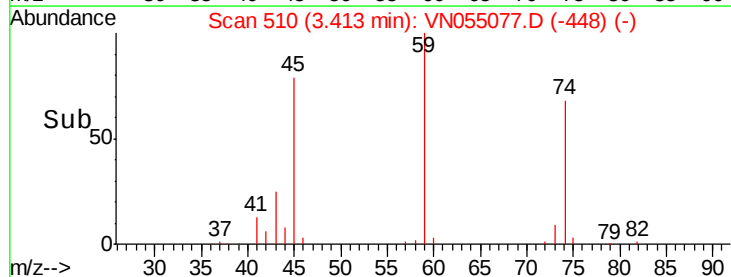
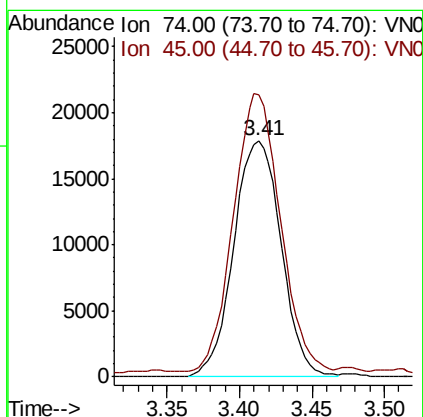
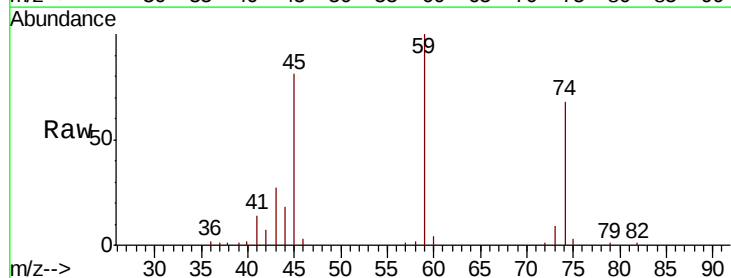
Tot Ion:101 Resp: 123673
Ion Ratio Lower Upper
101 100
103 66.6 53.4 80.0

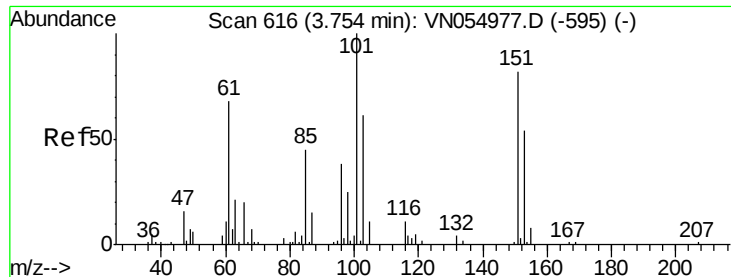


#8

Diethyl Ether
Concen: 20.000 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN055077.D
Acq: 16 Apr 2019 14:41

Tgt Ion: 74 Resp: 40646
Ion Ratio Lower Upper
74 100
45 116.2 22.9 205.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.340 ug/l

RT: 3.75 min Scan# 615

Delta R.T. -0.00 min

Lab File: VN055077.D

Acq: 16 Apr 2019 14:41

Instrument :

MSVOA_N

ClientSampleId :

VN0416WBSD01

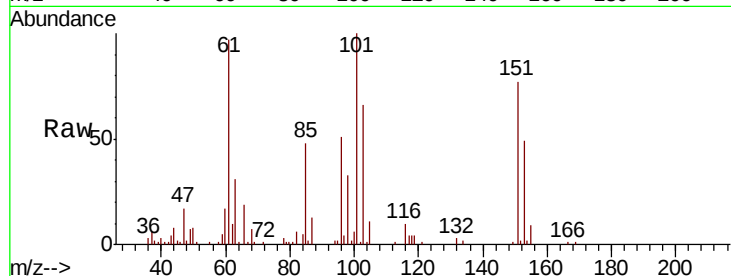
Tot Ion:101 Resp: 66914

Ion Ratio Lower Upper

101 100

85 47.1 0.0 91.4

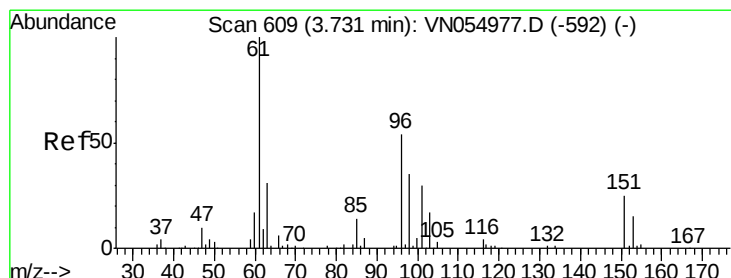
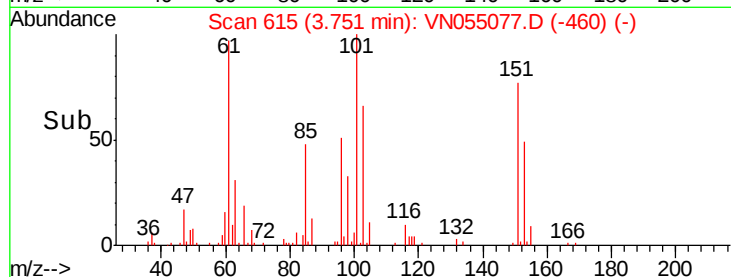
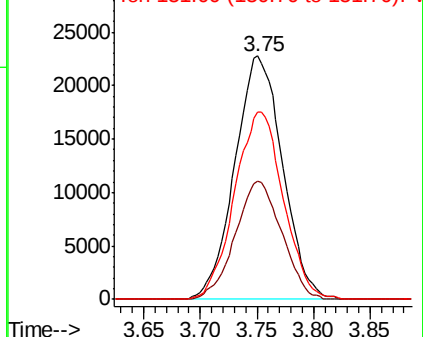
151 78.4 0.0 165.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 19.373 ug/l

RT: 3.73 min Scan# 609

Delta R.T. 0.00 min

Lab File: VN055077.D

Acq: 16 Apr 2019 14:41

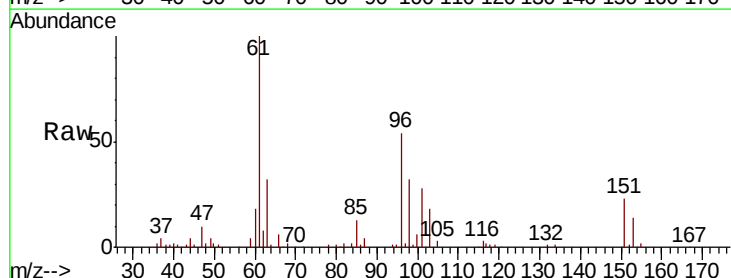
Tgt Ion: 96 Resp: 61973

Ion Ratio Lower Upper

96 100

61 184.8 148.4 222.6

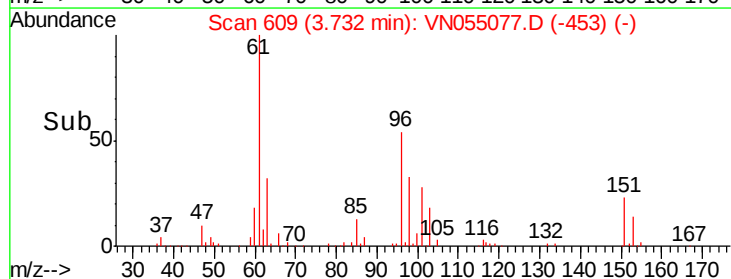
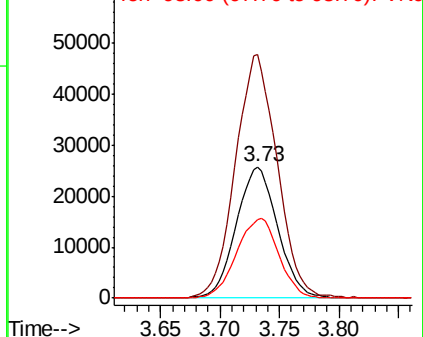
98 60.2 52.2 78.2

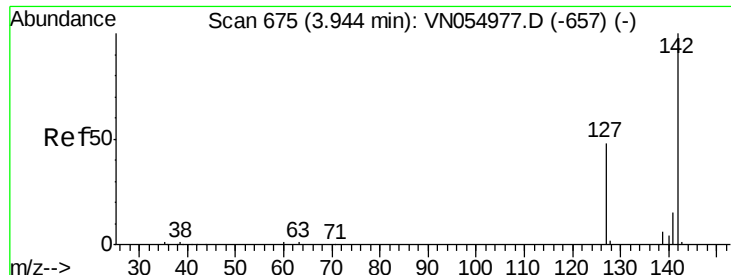


Abundance Ion 96.00 (95.70 to 96.70): VN

Ion 61.00 (60.70 to 61.70): VN

Ion 98.00 (97.70 to 98.70): VN

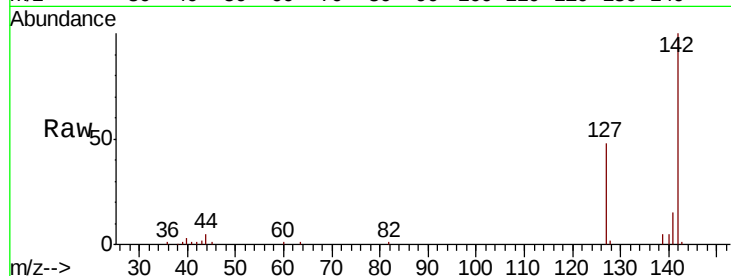




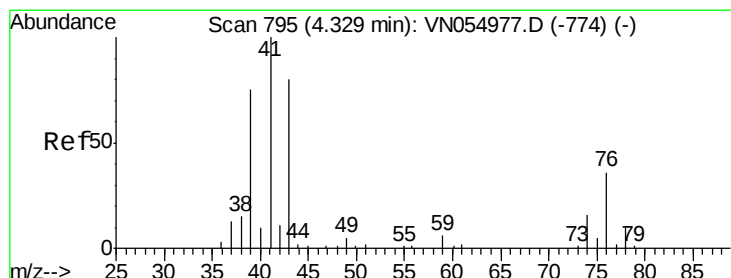
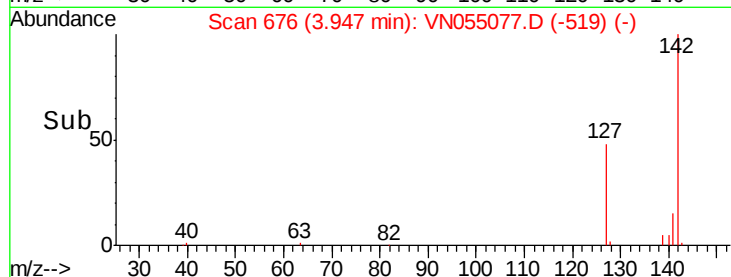
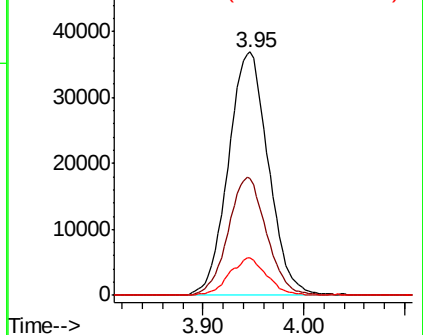
#11
Methvl Iodide
Concen: 21.003 ug/l
RT: 3.95 min Scan# 676
Delta R.T. 0.00 min
Lab File: VN055077.D
Acq: 16 Apr 2019 14:41

Instrument :
MSVOA_N
ClientSampleId :
VN0416WBSD01

Tot Ion:142 Resp: 101673
Ion Ratio Lower Upper
142 100
127 48.2 23.8 71.5
141 14.9 7.3 22.0

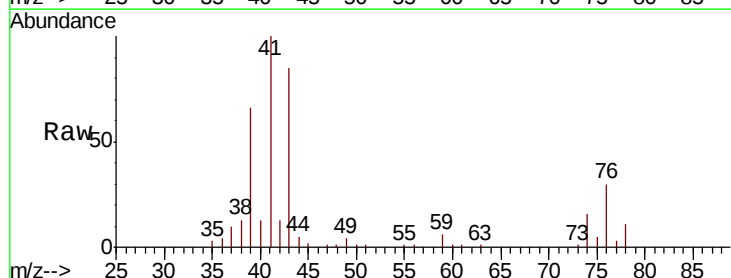


Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 141.00 (140.70 to 141.70): V

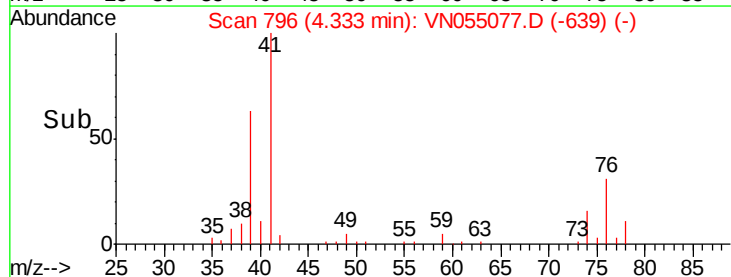
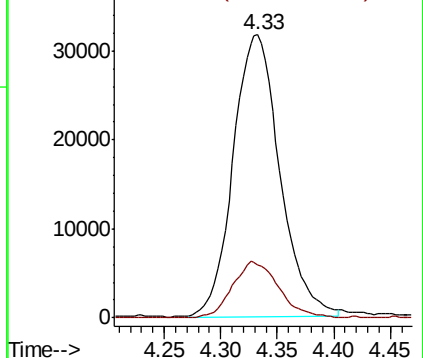


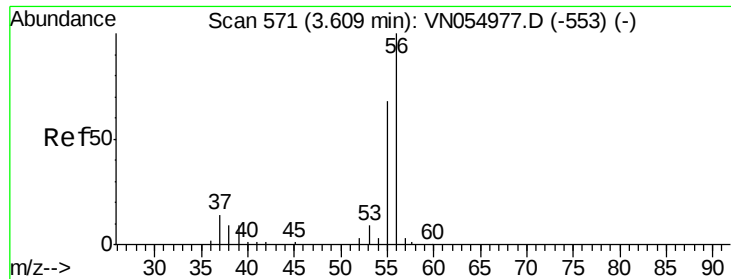
#12
Methyl Acetate
Concen: 23.061 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.00 min
Lab File: VN055077.D
Acq: 16 Apr 2019 14:41

Tgt Ion: 43 Resp: 90736
Ion Ratio Lower Upper
43 100
74 19.1 16.2 24.4



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

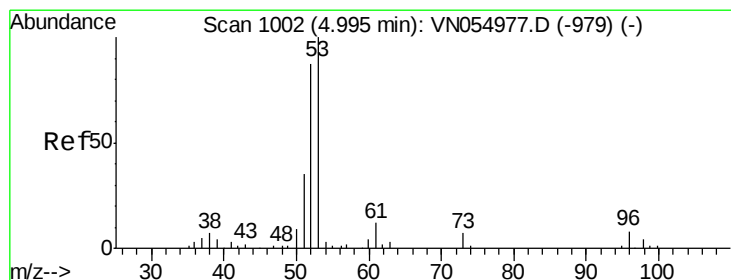
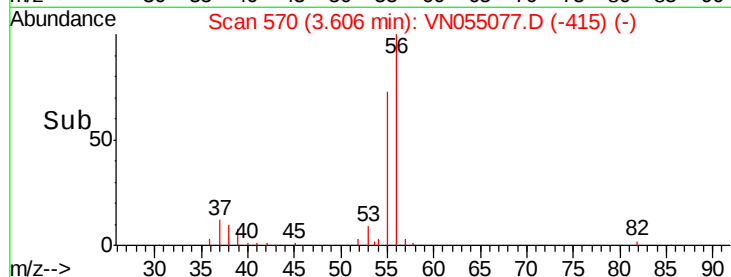
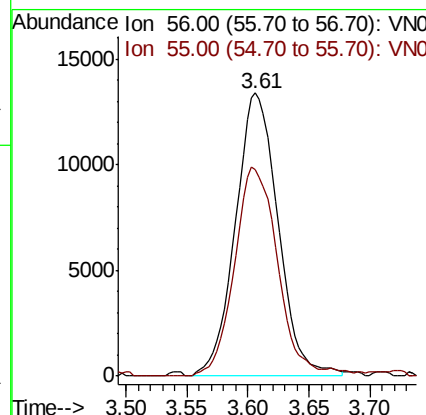
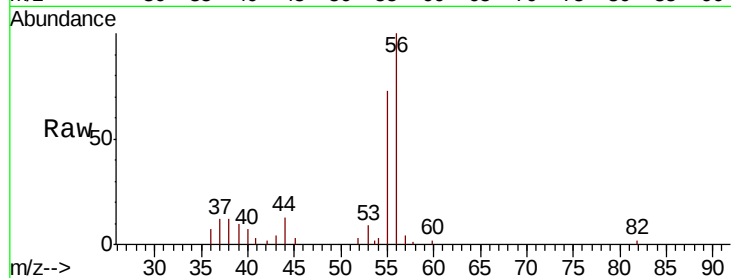




#13
Acrolein
Concen: 94.316 ug/l
RT: 3.61 min Scan# 570
Delta R.T. -0.00 min
Lab File: VN055077.D
Acq: 16 Apr 2019 14:41

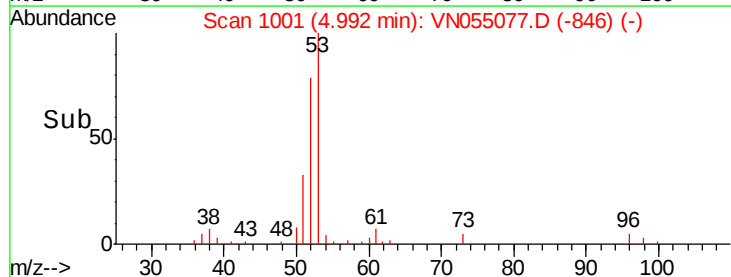
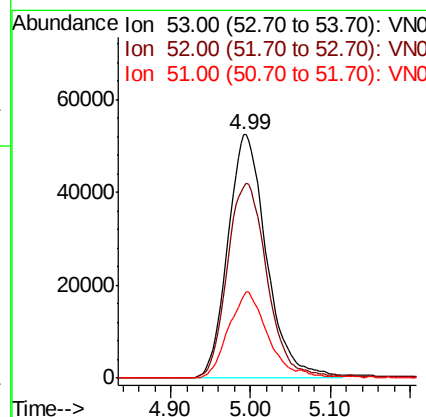
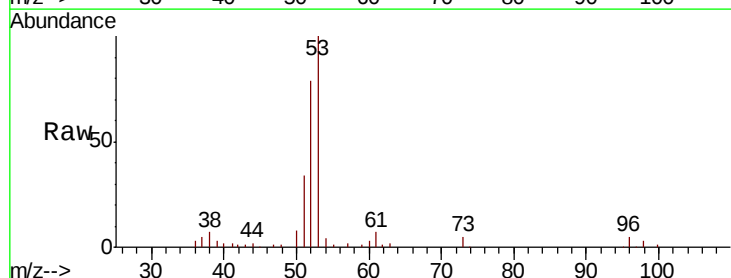
Instrument :
MSVOA_N
ClientSampleId :
VN0416WBSD01

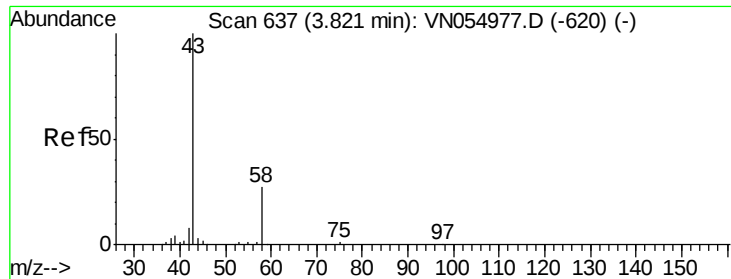
Tot Ion: 56 Resp: 32524
Ion Ratio Lower Upper
56 100
55 73.8 57.0 85.4



#14
Acrylonitrile
Concen: 107.444 ug/l
RT: 4.99 min Scan# 1001
Delta R.T. -0.00 min
Lab File: VN055077.D
Acq: 16 Apr 2019 14:41

Tgt Ion: 53 Resp: 173201
Ion Ratio Lower Upper
53 100
52 81.9 42.3 126.8
51 34.6 18.6 56.0





#15

Acetone

Concen: 79.271 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN055077.D

Acq: 16 Apr 2019 14:41

Instrument :

MSVOA_N

ClientSampleId :

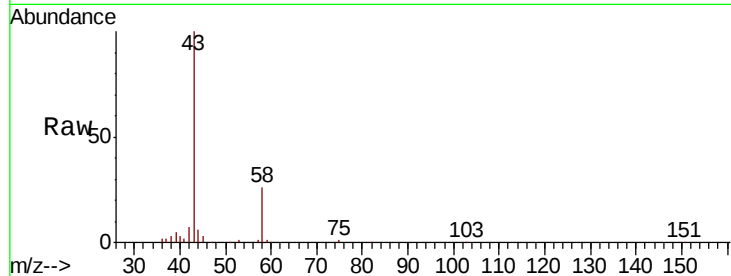
VN0416WBSD01

Tot Ion: 58 Resp: 31621

Ion Ratio Lower Upper

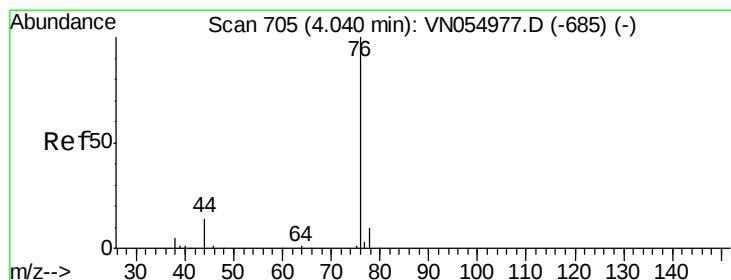
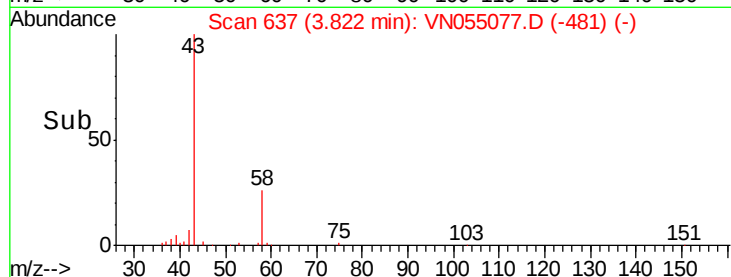
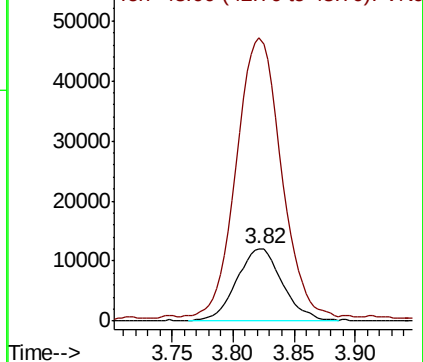
58 100

43 382.3 297.2 445.8



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 18.526 ug/l

RT: 4.04 min Scan# 705

Delta R.T. 0.00 min

Lab File: VN055077.D

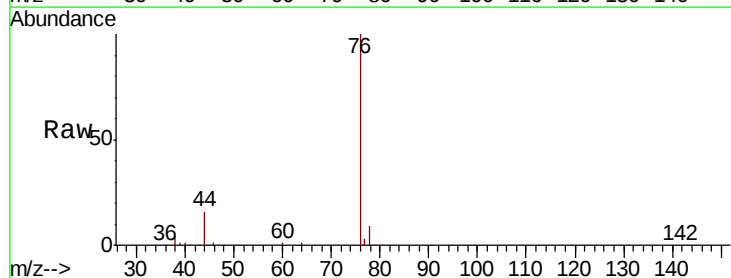
Acq: 16 Apr 2019 14:41

Tgt Ion: 76 Resp: 198784

Ion Ratio Lower Upper

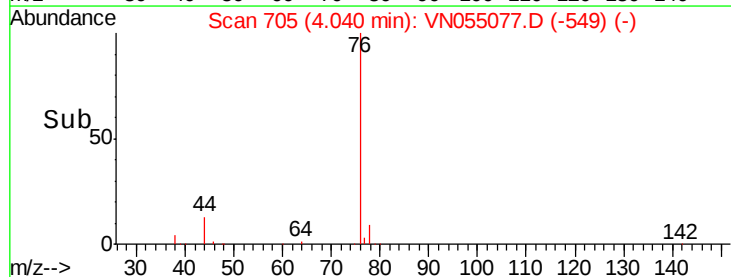
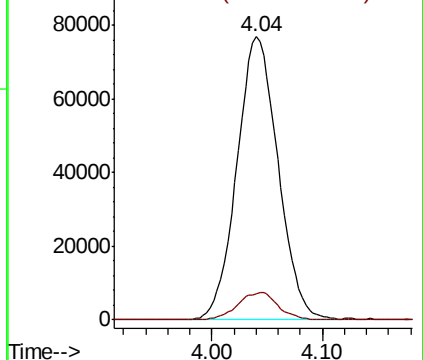
76 100

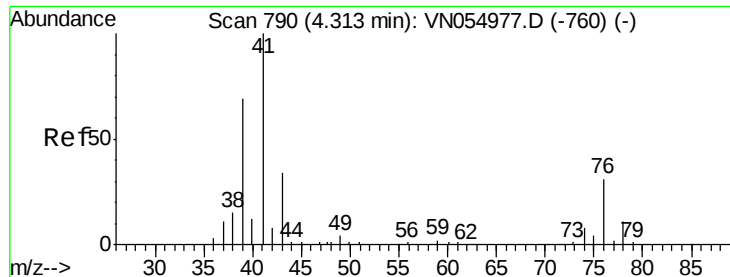
78 9.3 7.8 11.6



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#17

Allvl chloride

Concen: 20.618 ug/l

RT: 4.32 min Scan# 791

Delta R.T. 0.00 min

Lab File: VN055077.D

Acq: 16 Apr 2019 14:41

Instrument :

MSVOA_N

ClientSampleId :

VN0416WBSD01

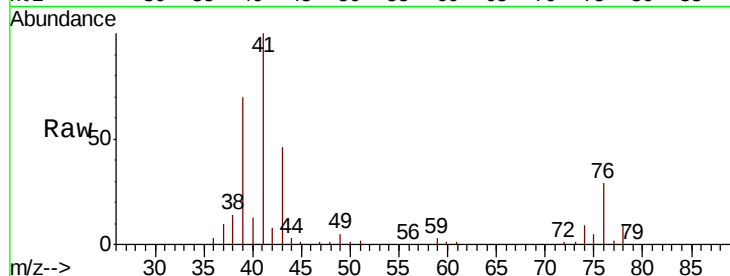
Tot Ion: 41 Resp: 162422

Ion Ratio Lower Upper

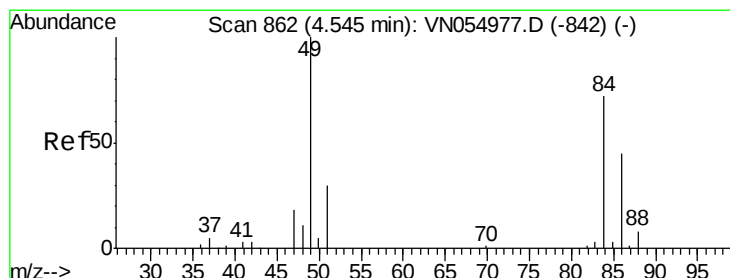
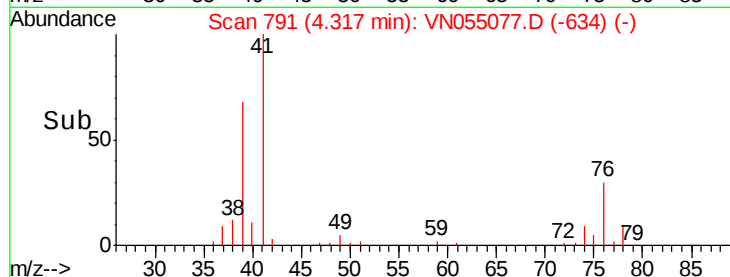
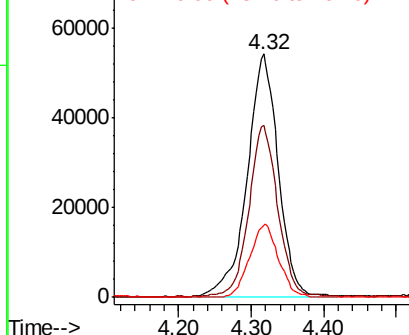
41 100

39 70.1 34.3 102.9

76 29.5 15.8 47.3



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 76.00 (75.70 to 76.70): VN0



#18

Methylene Chloride

Concen: 19.996 ug/l

RT: 4.55 min Scan# 862

Delta R.T. 0.00 min

Lab File: VN055077.D

Acq: 16 Apr 2019 14:41

Tgt Ion: 84 Resp: 94553

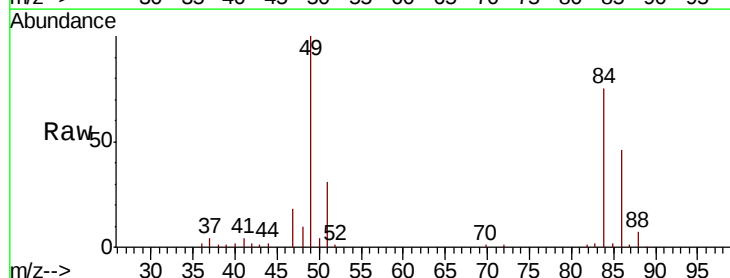
Ion Ratio Lower Upper

84 100

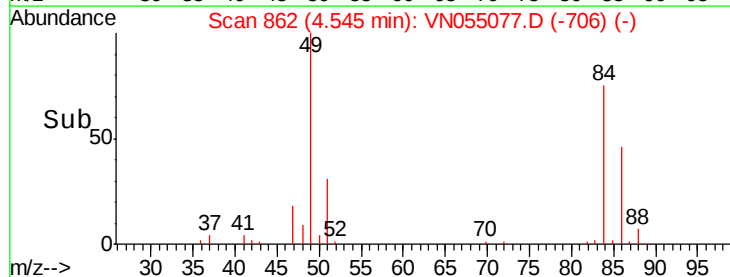
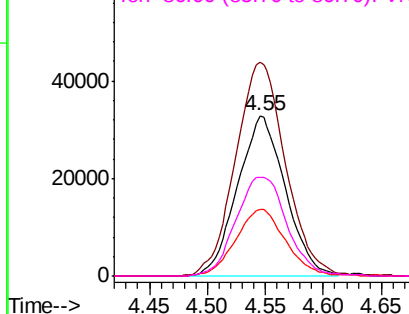
49 132.3 111.0 166.4

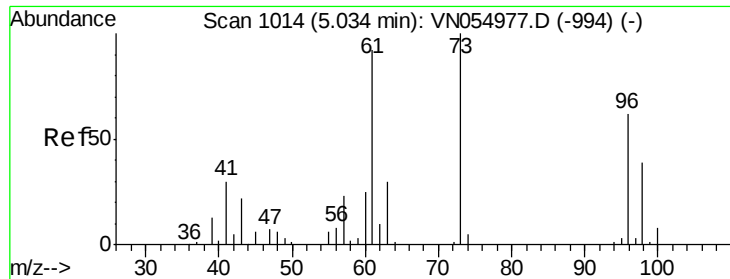
51 41.7 33.4 50.2

86 61.7 49.5 74.3



Abundance Ion 84.00 (83.70 to 84.70): VN0
Ion 49.00 (48.70 to 49.70): VN0
Ion 51.00 (50.70 to 51.70): VN0
Ion 86.00 (85.70 to 86.70): VN0

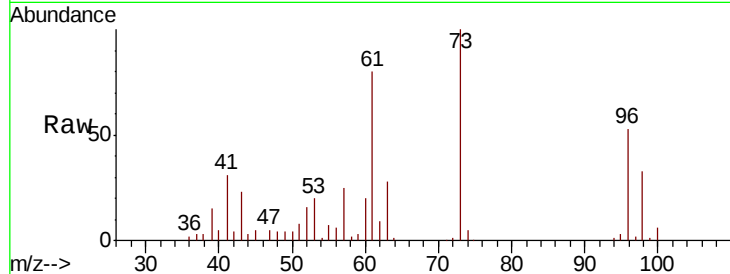




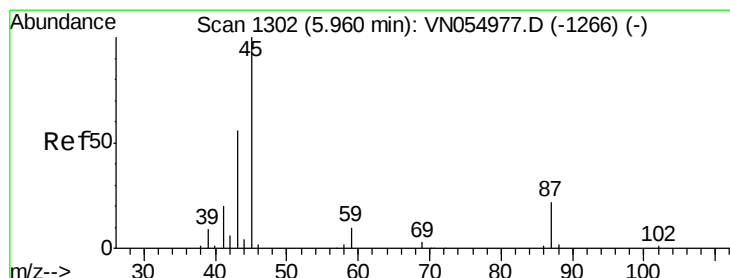
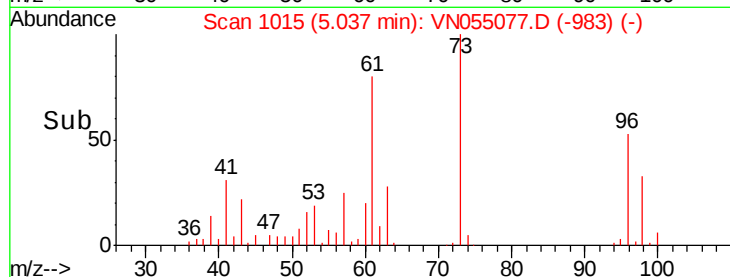
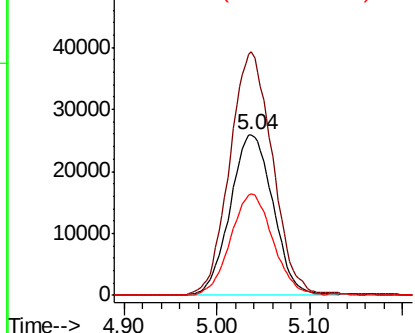
#19
trans-1,2-Dichloroethene
Concen: 20.036 ug/l
RT: 5.04 min Scan# 1015
Delta R.T. 0.00 min
Lab File: VN055077.D
Acq: 16 Apr 2019 14:41

Instrument :
MSVOA_N
ClientSampleId :
VN0416WBSD01

Tot Ion: 96 Resp: 83433
Ion Ratio Lower Upper
96 100
61 150.7 117.2 175.8
98 62.9 49.4 74.2

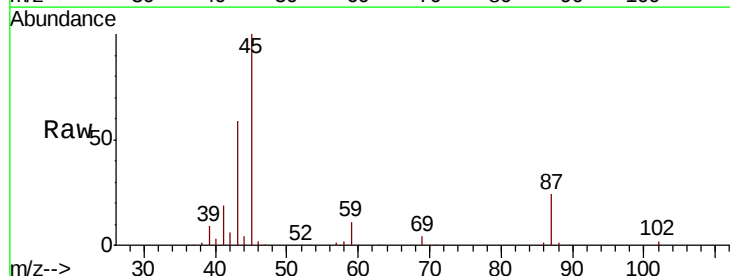


Abundance Ion 96.00 (95.70 to 96.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

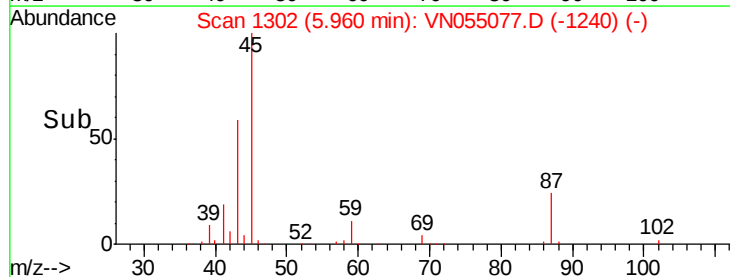
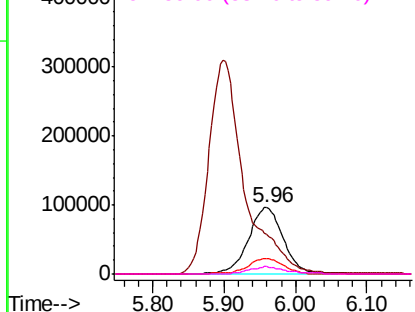


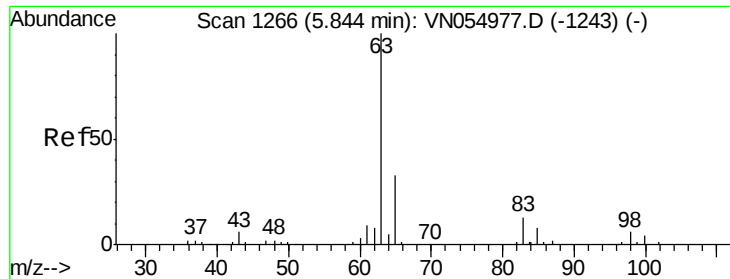
#20
Diisopropyl ether
Concen: 20.511 ug/l
RT: 5.96 min Scan# 1302
Delta R.T. 0.00 min
Lab File: VN055077.D
Acq: 16 Apr 2019 14:41

Tgt Ion: 45 Resp: 327333
Ion Ratio Lower Upper
45 100
43 57.1 45.8 68.8
87 23.3 18.2 27.4
59 10.6 8.2 12.2



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

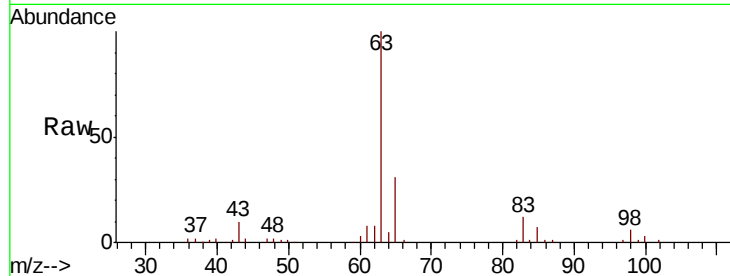




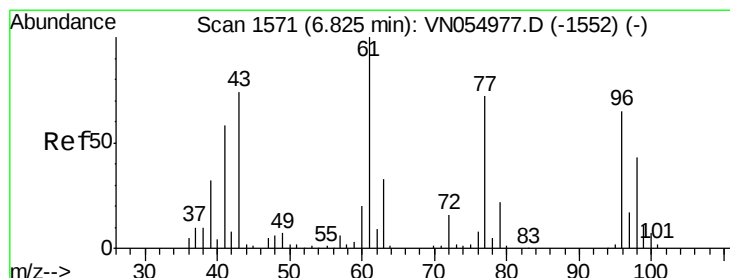
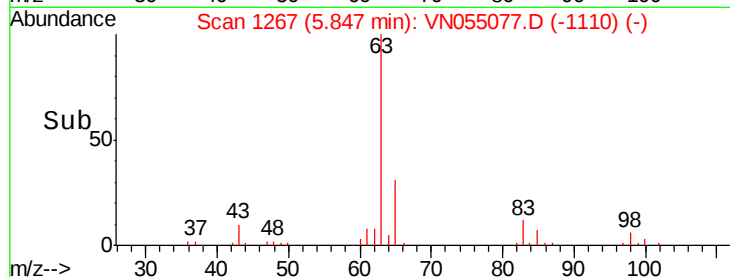
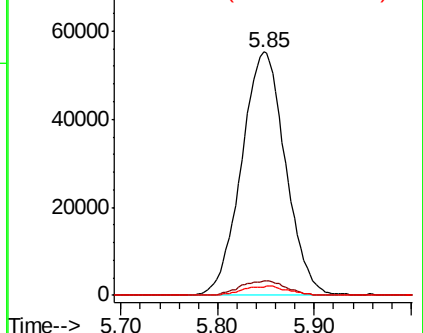
#21
 1,1-Dichloroethane
 Concen: 20.449 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. 0.00 min
 Lab File: VN055077.D
 Acq: 16 Apr 2019 14:41

Instrument :
 MSVOA_N
 ClientSampled :
 VN0416WBSD01

Tot Ion: 63 Resp: 174303
 Ion Ratio Lower Upper
 63 100
 98 5.9 2.9 8.7
 100 3.3 2.0 5.8

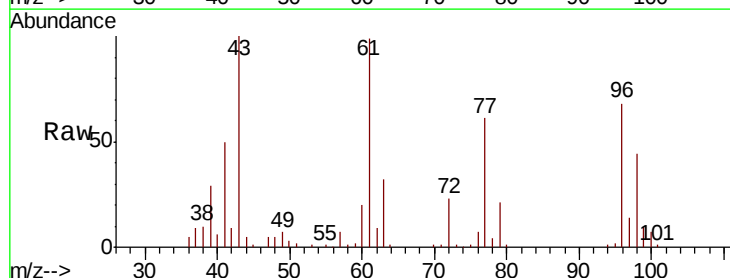


Abundance Ion 63.00 (62.70 to 63.70): VN0
 Ion 98.00 (97.70 to 98.70): VN0
 Ion 100.00 (99.70 to 100.70): VN0

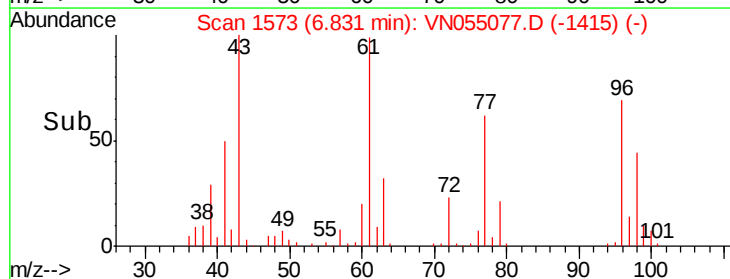
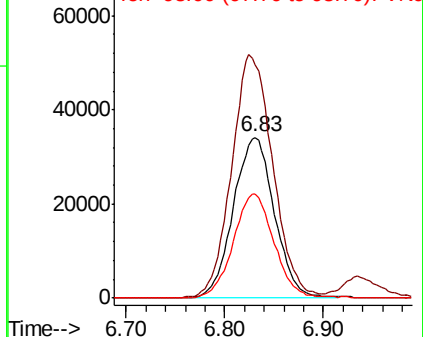


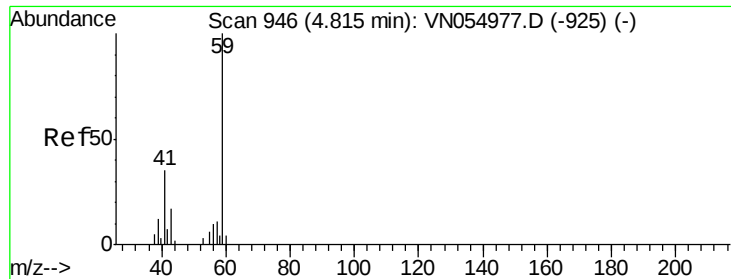
#22
 cis-1,2-Dichloroethene
 Concen: 20.397 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.01 min
 Lab File: VN055077.D
 Acq: 16 Apr 2019 14:41

Tgt Ion: 96 Resp: 98725
 Ion Ratio Lower Upper
 96 100
 61 152.0 125.0 187.6
 98 63.9 52.2 78.2



Abundance Ion 96.00 (95.70 to 96.70): VN0
 Ion 61.00 (60.70 to 61.70): VN0
 Ion 98.00 (97.70 to 98.70): VN0





#23

tert-Butyl Alcohol

Concen: 117.383 ug/l

RT: 4.82 min Scan# 946

Delta R.T. 0.00 min

Lab File: VN055077.D

Acq: 16 Apr 2019 14:41

Instrument :

MSVOA_N

ClientSampleId :

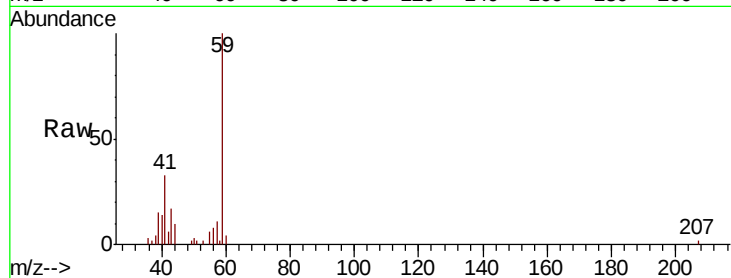
VN0416WBSD01

Tot Ion: 59 Resp: 30172

Ion Ratio Lower Upper

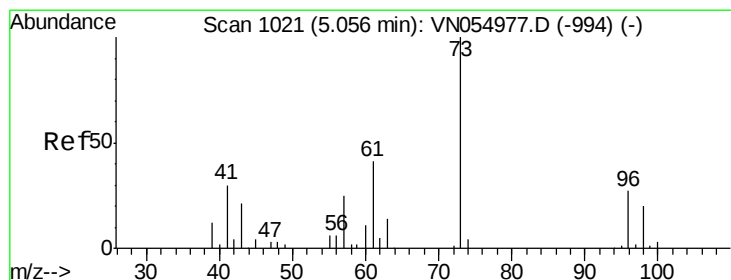
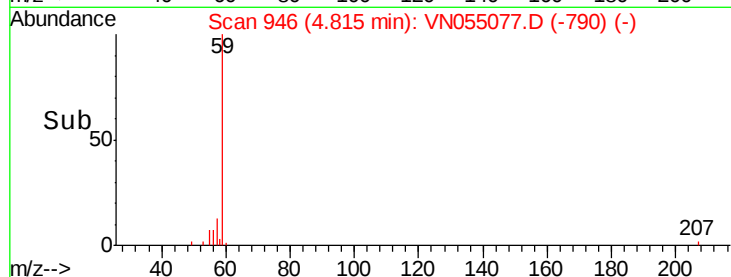
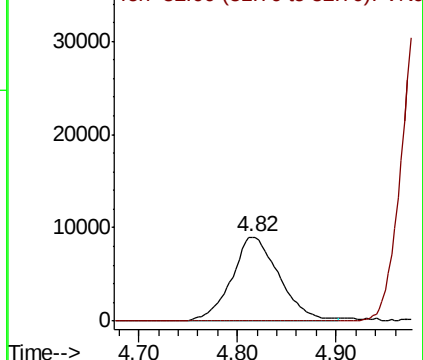
59 100

52 0.0 0.0 0.0



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#24

Methyl tert-Butyl Ether

Concen: 21.347 ug/l

RT: 5.05 min Scan# 1020

Delta R.T. -0.00 min

Lab File: VN055077.D

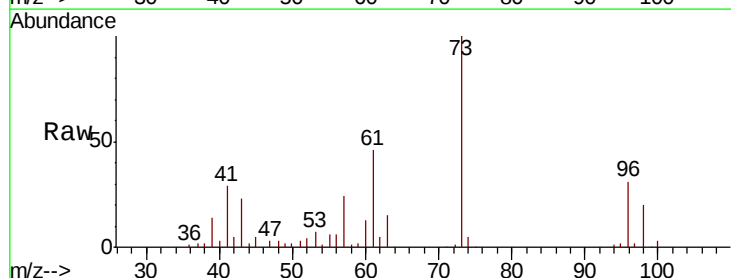
Acq: 16 Apr 2019 14:41

Tgt Ion: 73 Resp: 229296

Ion Ratio Lower Upper

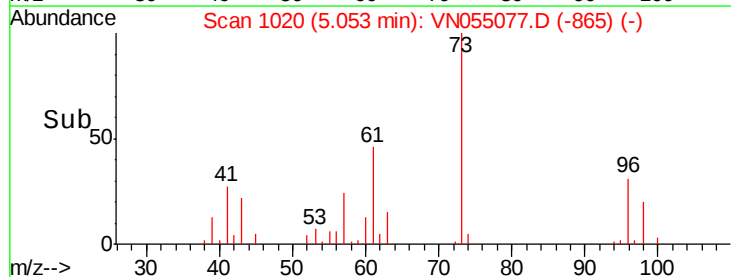
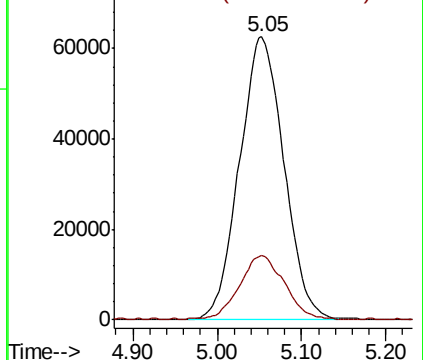
73 100

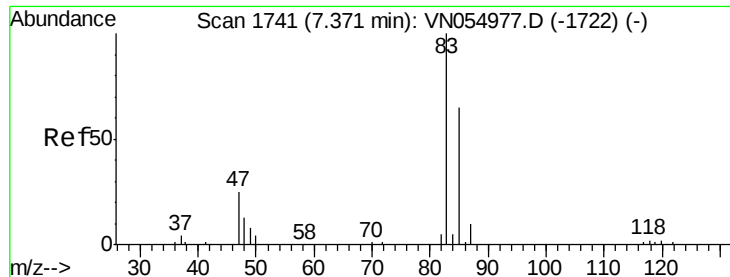
43 22.3 8.0 12.0#



Abundance Ion 73.00 (72.70 to 73.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

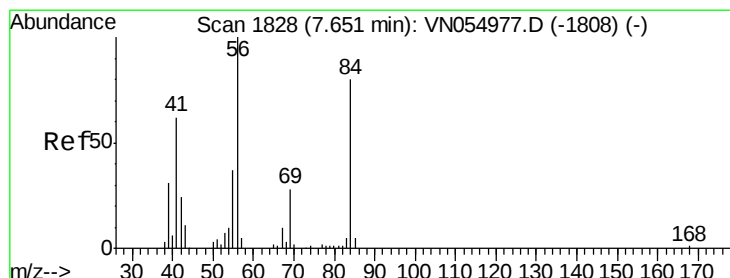
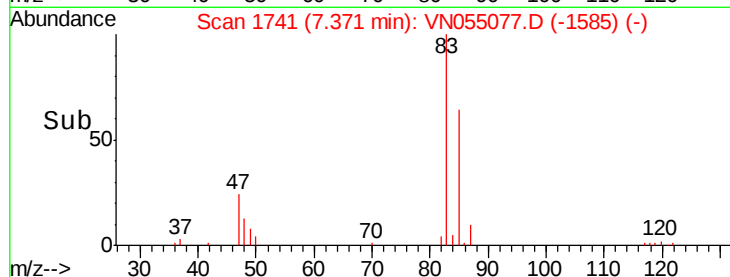
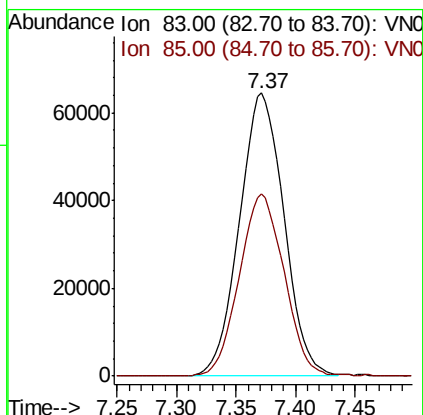
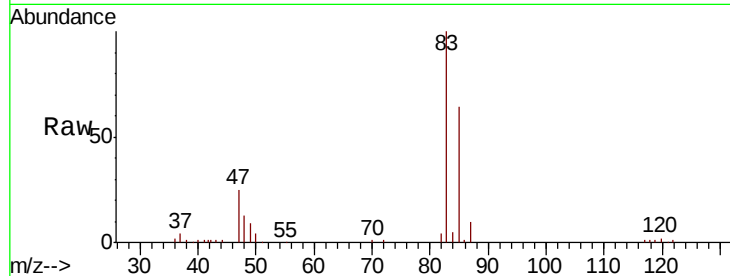




#25
Chloroform
Concen: 20.478 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN055077.D
Acq: 16 Apr 2019 14:41

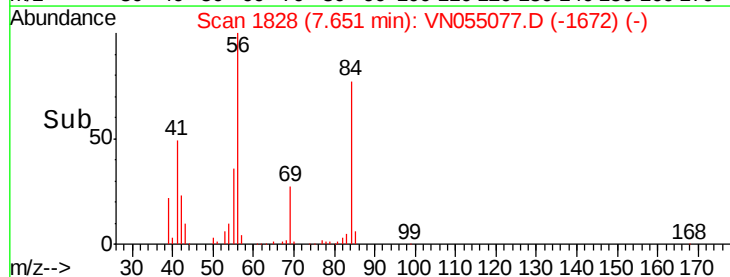
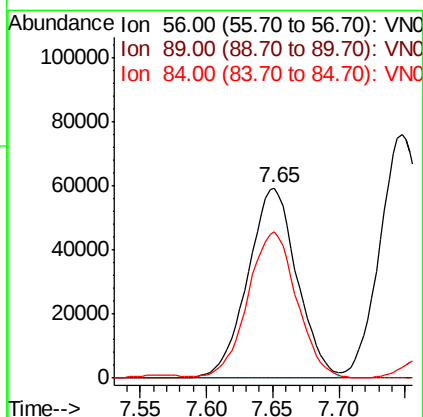
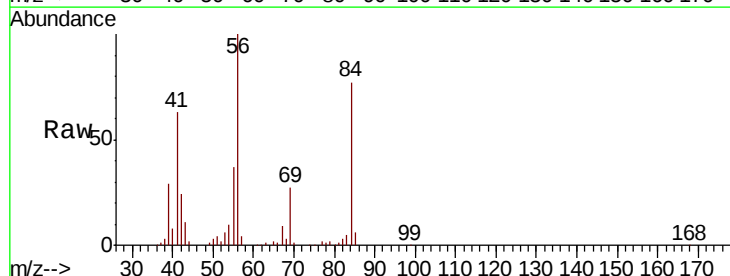
Instrument :
MSVOA_N
ClientSampleId :
VN0416WBSD01

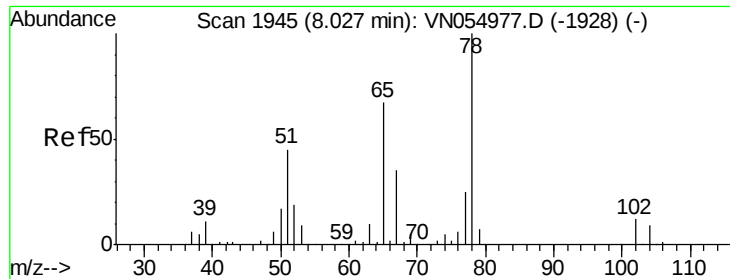
Tot Ion: 83 Resp: 167198
Ion Ratio Lower Upper
83 100
85 64.1 51.8 77.8



#26
Cyclohexane
Concen: 19.392 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN055077.D
Acq: 16 Apr 2019 14:41

Tgt Ion: 56 Resp: 153367
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 75.9 63.5 95.3

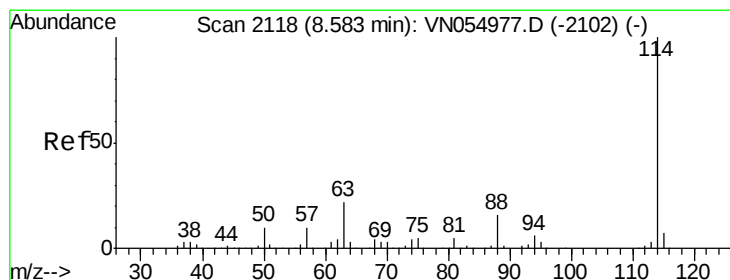
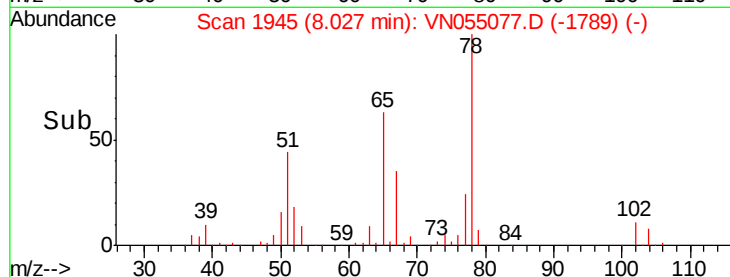
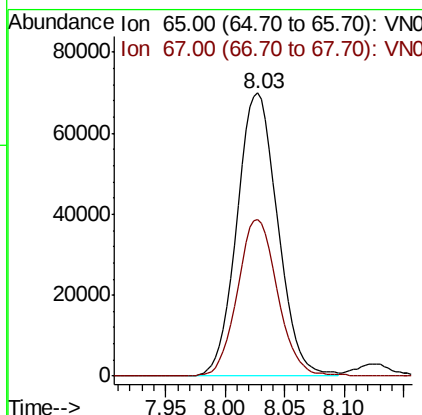
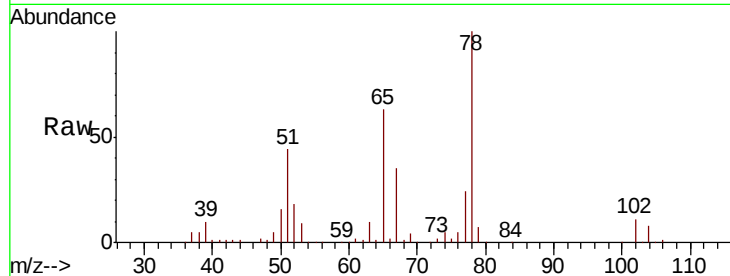




#27
 1,2-Dichloroethane-d4
 Concen: 19.392 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055077.D
 Acq: 16 Apr 2019 14:41

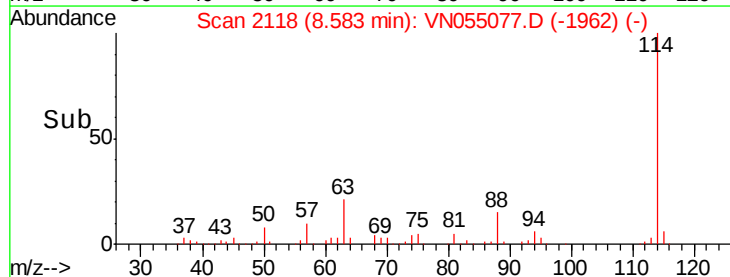
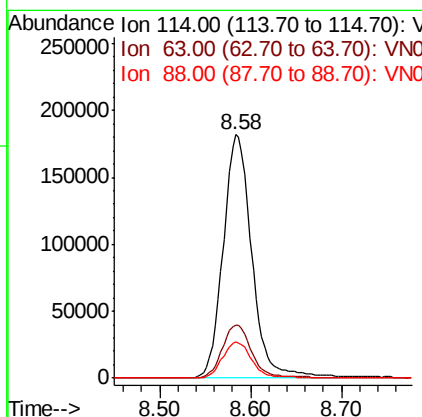
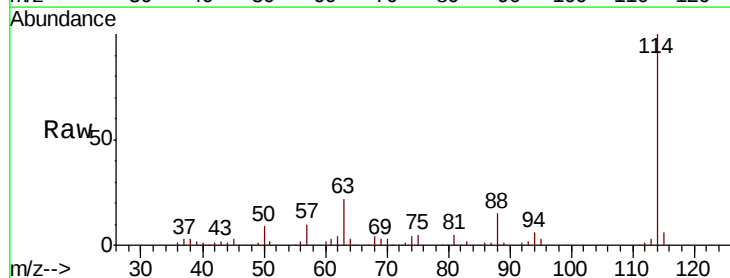
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0416WBSD01

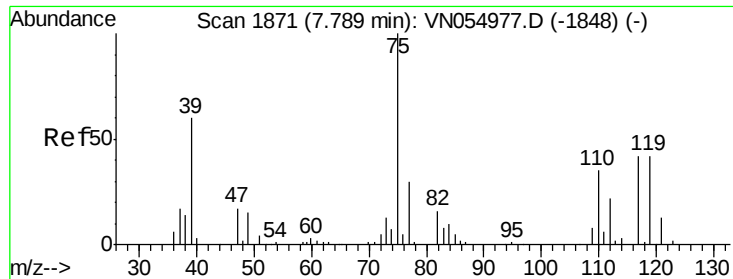
Tot Ion: 65 Resp: 166182
 Ion Ratio Lower Upper
 65 100
 67 54.6 41.8 62.8



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN055077.D
 Acq: 16 Apr 2019 14:41

Tgt Ion: 114 Resp: 398404
 Ion Ratio Lower Upper
 114 100
 63 22.1 17.0 25.4
 88 15.1 12.3 18.5

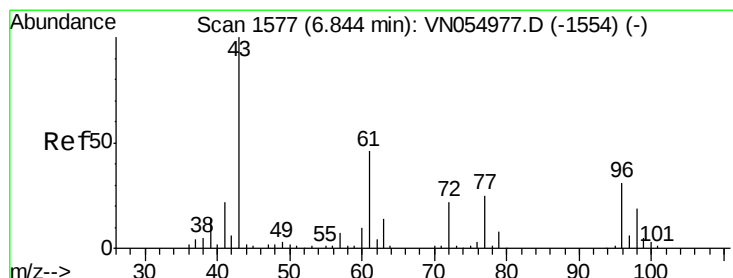
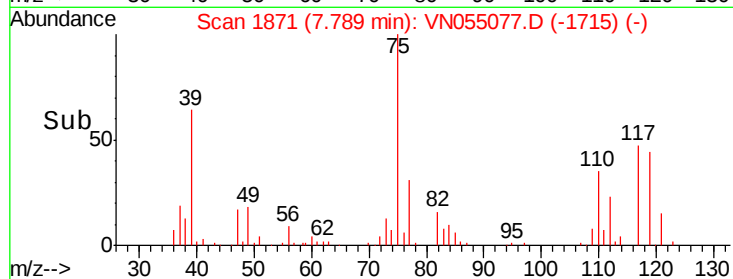
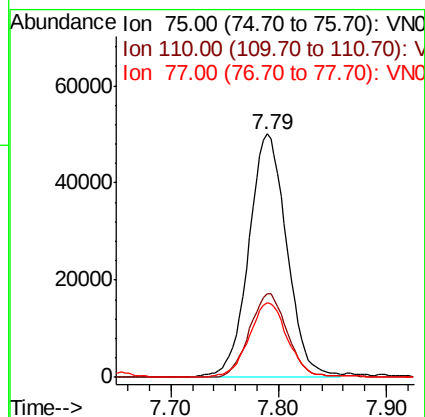
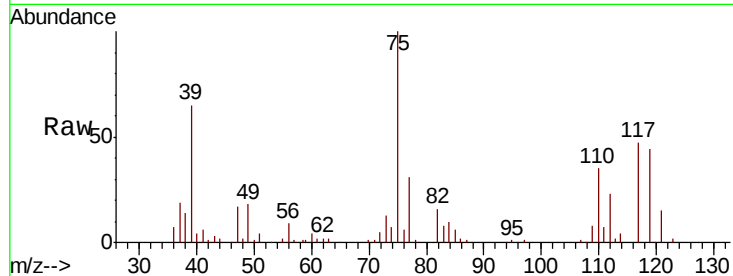




#29
 1,1-Dichloropropene
 Concen: 19.786 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN055077.D
 Acq: 16 Apr 2019 14:41

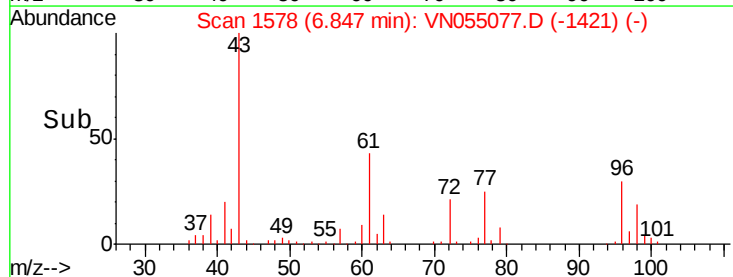
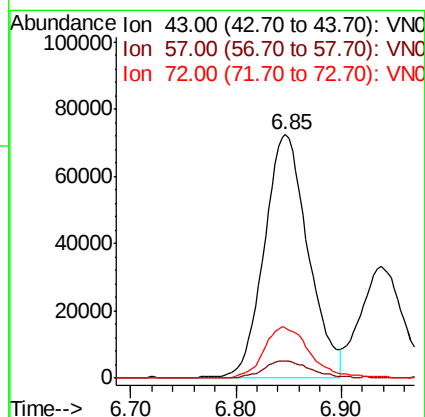
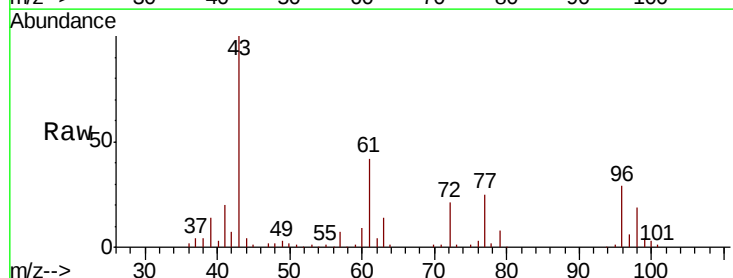
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0416WBSD01

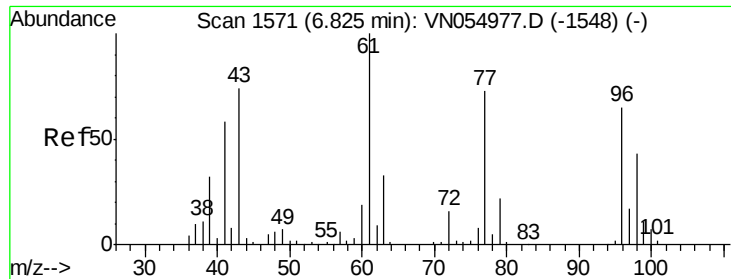
Tot Ion: 75 Resp: 122763
 Ion Ratio Lower Upper
 75 100
 110 34.1 0.0 68.4
 77 31.5 0.0 58.6



#30
 2-Butanone
 Concen: 100.999 ug/l
 RT: 6.85 min Scan# 1578
 Delta R.T. 0.00 min
 Lab File: VN055077.D
 Acq: 16 Apr 2019 14:41

Tgt Ion: 43 Resp: 208016
 Ion Ratio Lower Upper
 43 100
 57 7.5 6.0 9.0
 72 22.3 18.6 27.8

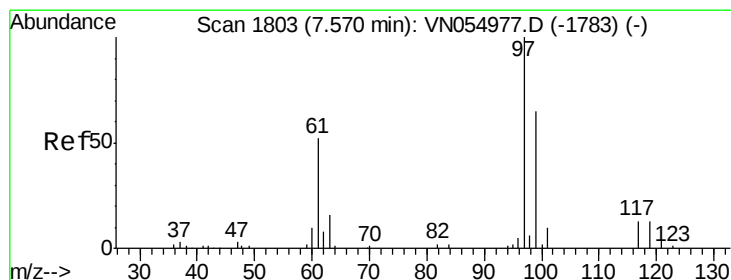
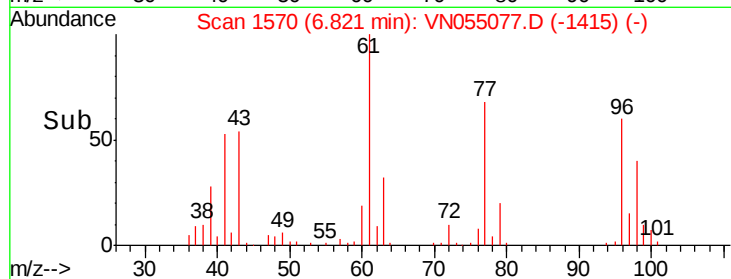
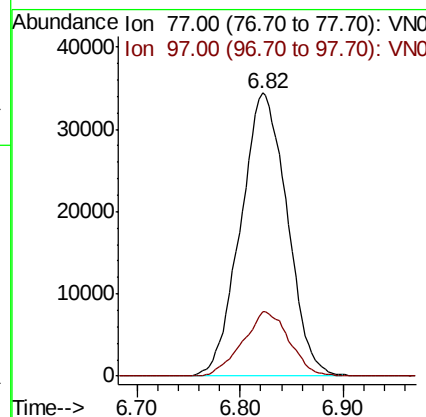
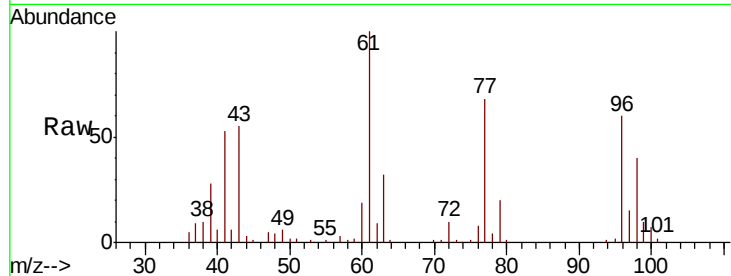




#31
 2,2-Dichloropropane
 Concen: 18.864 ug/l
 RT: 6.82 min Scan# 1570
 Delta R.T. -0.00 min
 Lab File: VN055077.D
 Acq: 16 Apr 2019 14:41

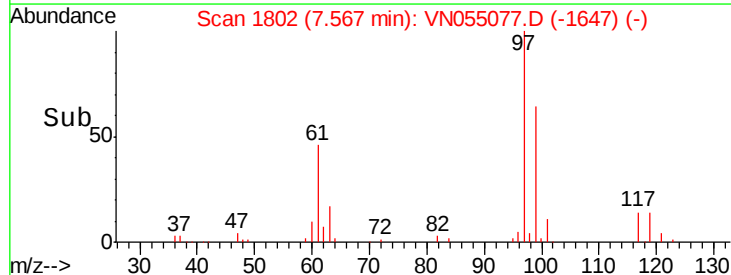
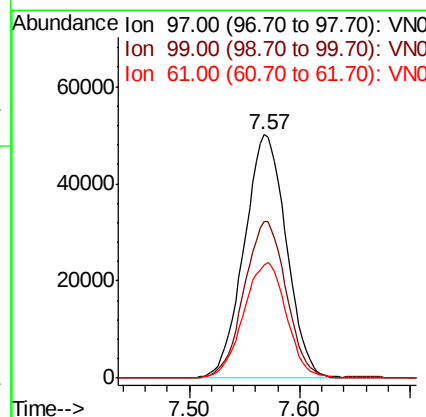
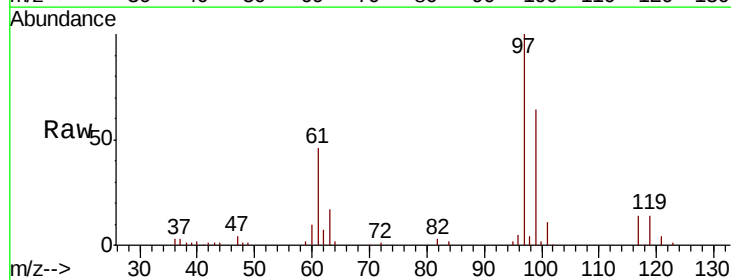
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0416WBSD01

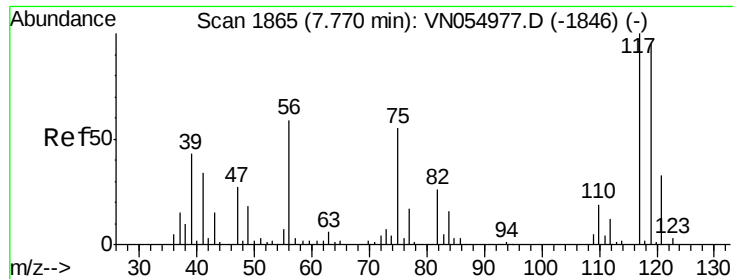
Tot Ion: 77 Resp: 107728
 Ion Ratio Lower Upper
 77 100
 97 22.7 0.0 0.0#



#32
 1,1,1-Trichloroethane
 Concen: 20.285 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VN055077.D
 Acq: 16 Apr 2019 14:41

Tgt Ion: 97 Resp: 133031
 Ion Ratio Lower Upper
 97 100
 99 64.2 51.2 76.8
 61 48.1 40.6 60.8

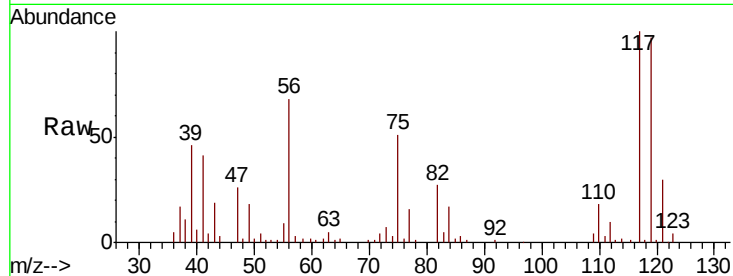




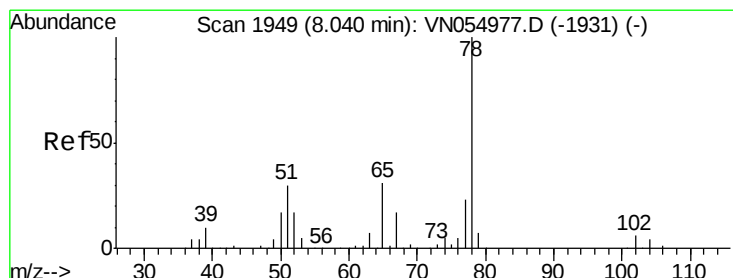
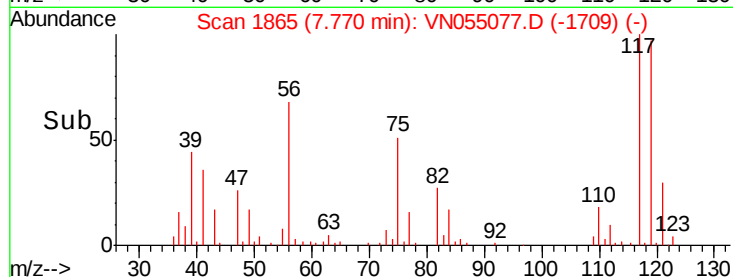
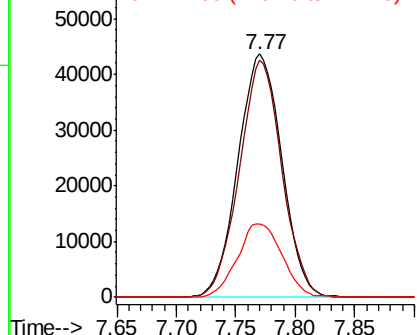
#33
Carbon Tetrachloride
Concen: 19.641 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN055077.D
Acq: 16 Apr 2019 14:41

Instrument :
MSVOA_N
ClientSampleId :
VN0416WBSD01

Tot Ion:117 Resp: 111519
Ion Ratio Lower Upper
117 100
119 97.4 76.1 114.1
121 30.2 26.2 39.4

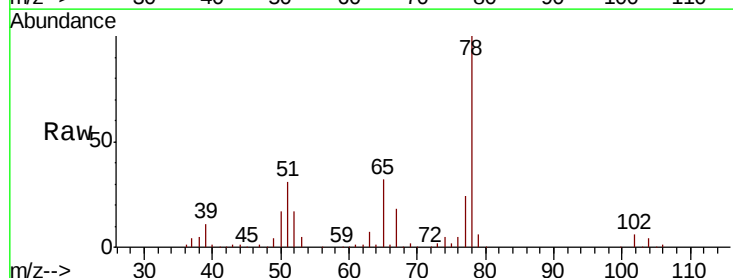


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

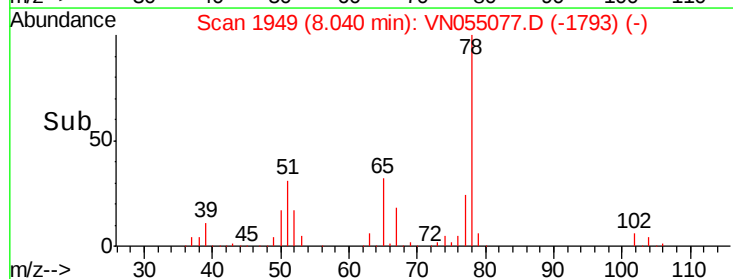
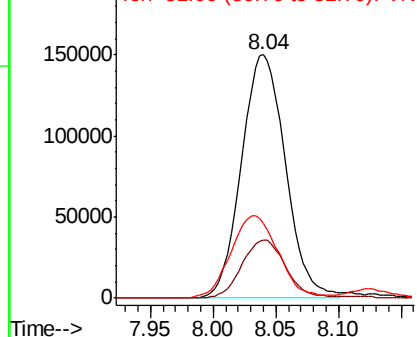


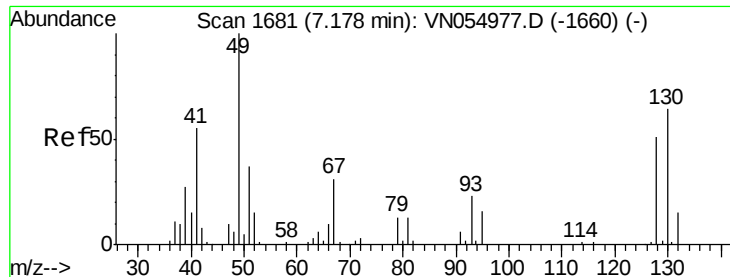
#34
Benzene
Concen: 19.957 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN055077.D
Acq: 16 Apr 2019 14:41

Tgt Ion: 78 Resp: 366949
Ion Ratio Lower Upper
78 100
77 24.1 18.2 27.4
51 30.5 23.7 35.5



Abundance Ion 78.10 (77.80 to 78.80): V
Ion 77.00 (76.70 to 77.70): V
Ion 51.00 (50.70 to 51.70): V

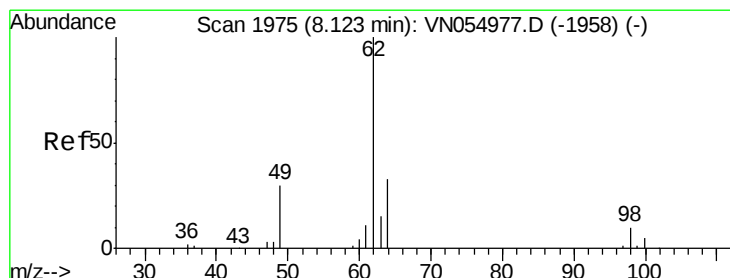
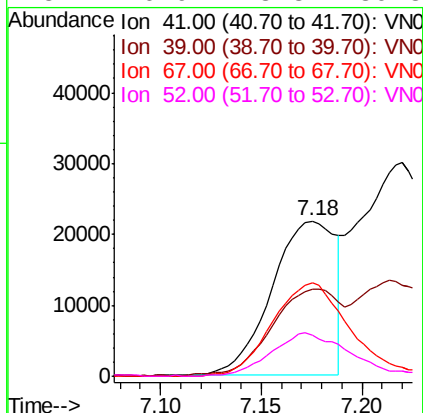
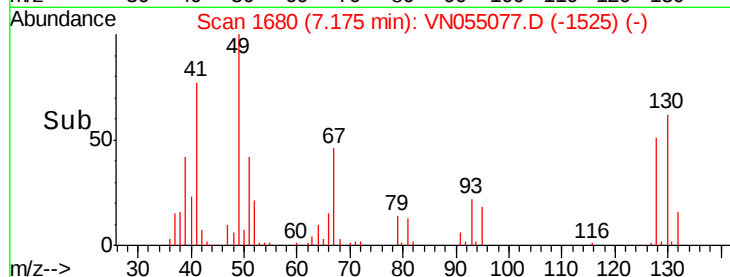
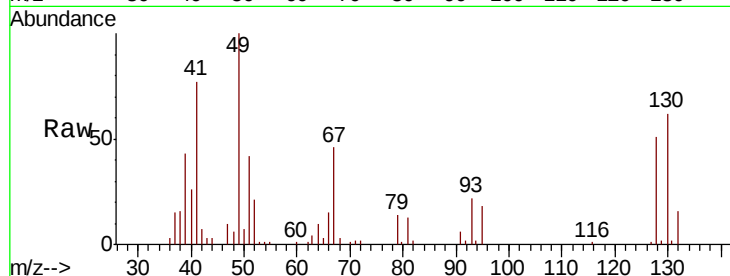




#35
Methacrylonitrile
Concen: 19.610 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN055077.D
Acq: 16 Apr 2019 14:41

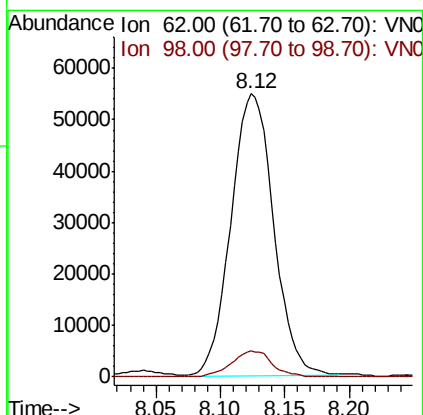
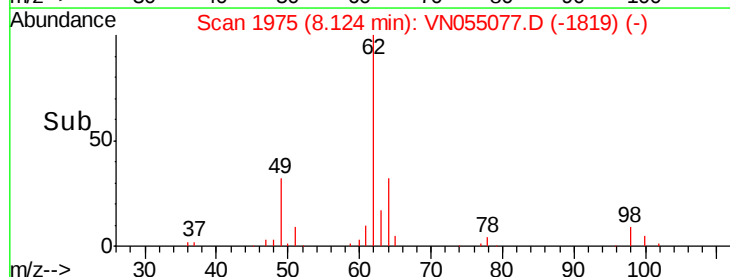
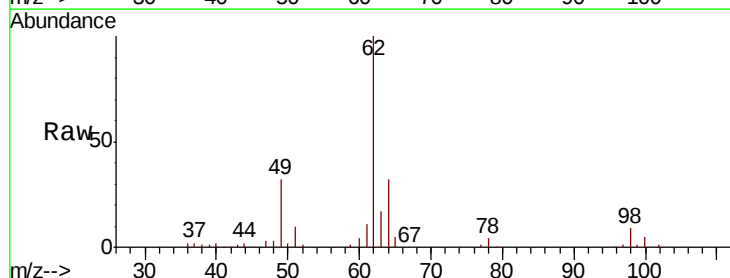
Instrument :
MSVOA_N
ClientSampleId :
VN0416WBSD01

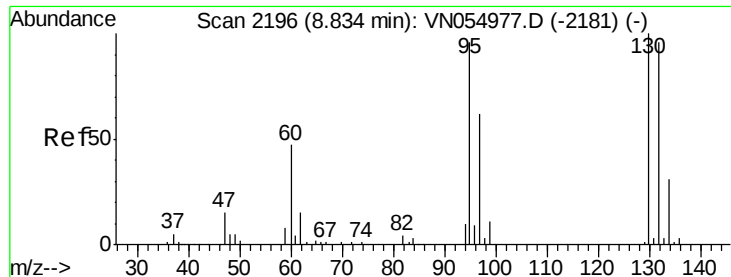
Tot Ion: 41 Resp: 47603
Ion Ratio Lower Upper
41 100
39 55.4 24.2 72.6
67 60.6 28.1 84.2
52 26.9 13.3 39.8



#36
1,2-Dichloroethane
Concen: 20.027 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN055077.D
Acq: 16 Apr 2019 14:41

Tgt Ion: 62 Resp: 125854
Ion Ratio Lower Upper
62 100
98 8.7 6.9 10.3

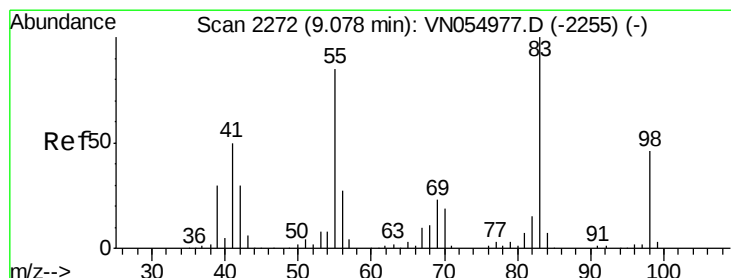
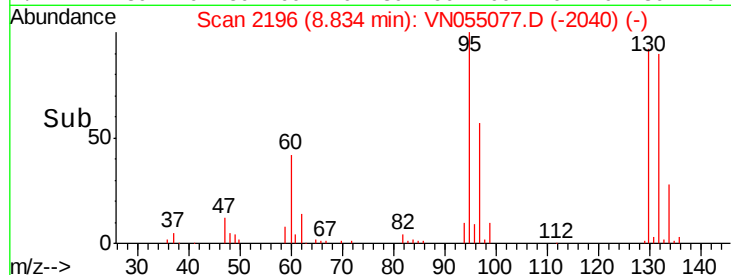
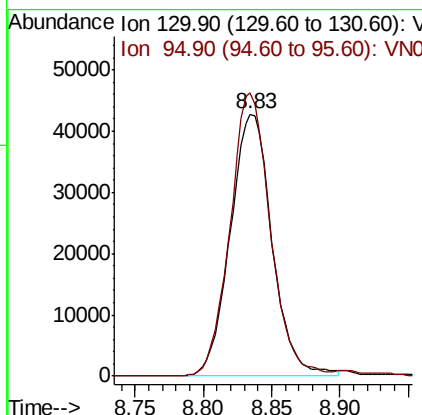
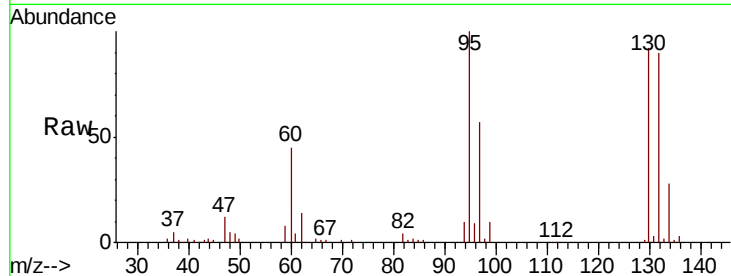




#37
 Trichloroethene
 Concen: 19.410 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. 0.00 min
 Lab File: VN055077.D
 Acq: 16 Apr 2019 14:41

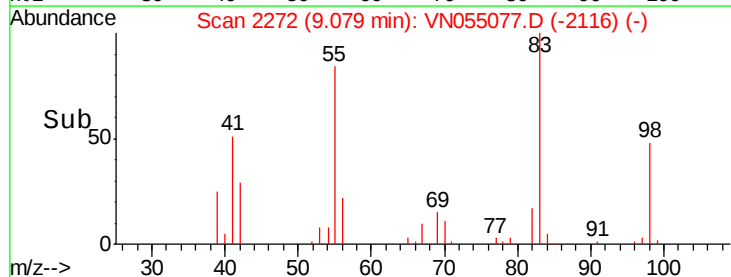
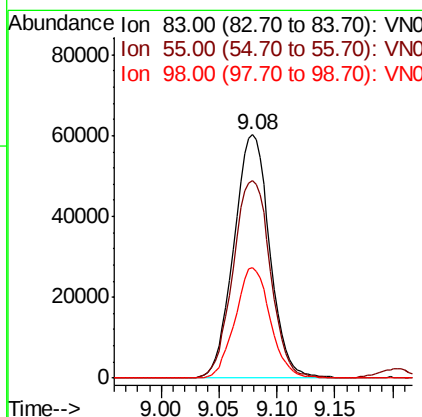
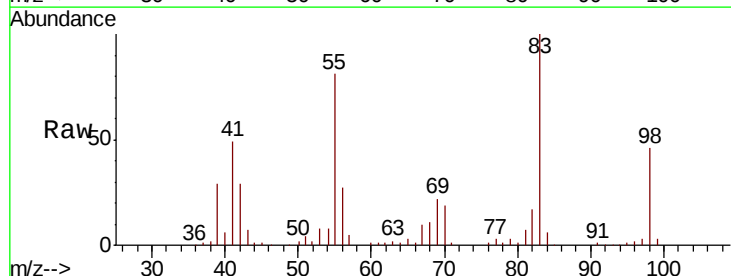
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0416WBSD01

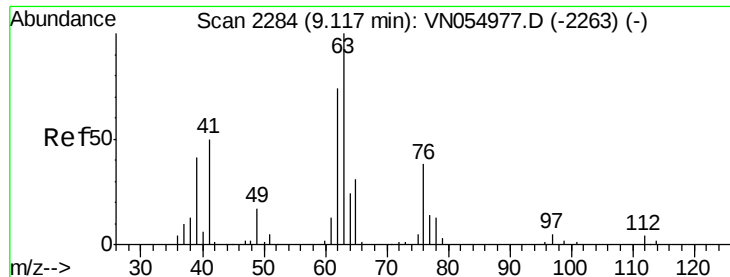
Tot Ion:130 Resp: 90982
 Ion Ratio Lower Upper
 130 100
 95 107.7 76.6 115.0



#38
 Methylcyclohexane
 Concen: 17.984 ug/l
 RT: 9.08 min Scan# 2272
 Delta R.T. 0.00 min
 Lab File: VN055077.D
 Acq: 16 Apr 2019 14:41

Tgt Ion: 83 Resp: 129402
 Ion Ratio Lower Upper
 83 100
 55 84.6 41.9 125.6
 98 44.2 22.4 67.0

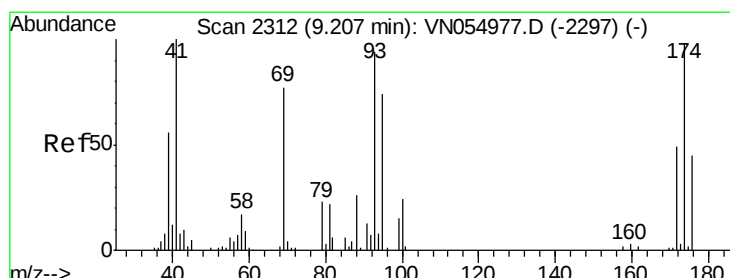
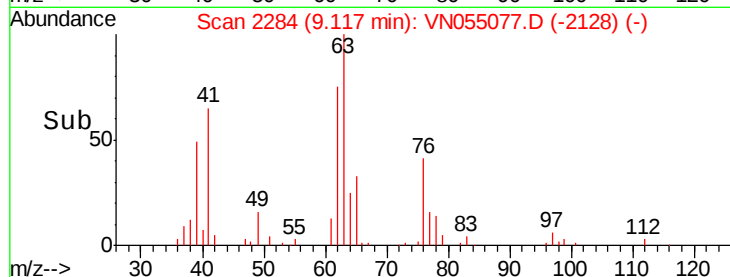
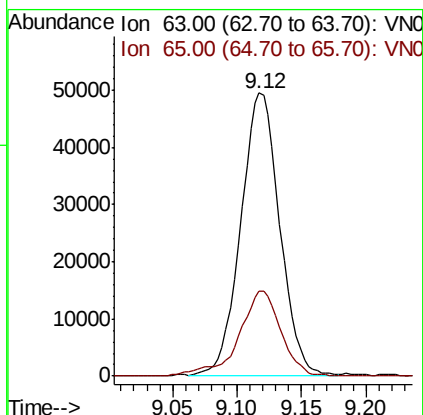
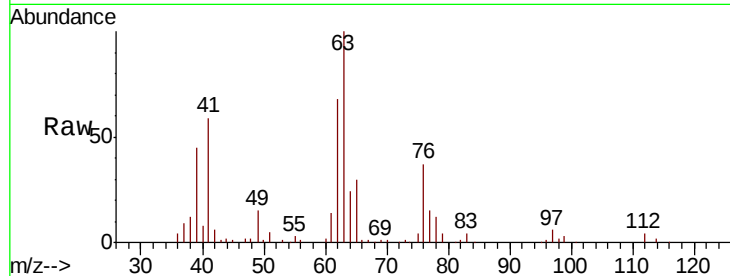




#39
 1,2-Dichloropropane
 Concen: 20.572 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN055077.D
 Acq: 16 Apr 2019 14:41

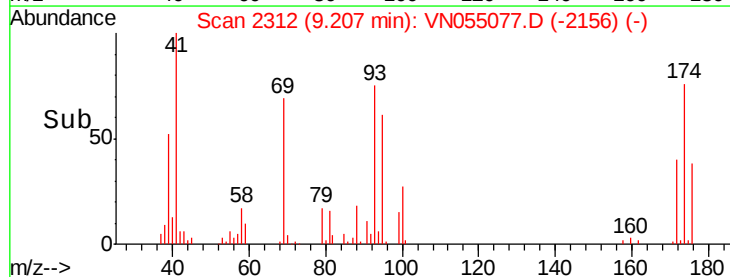
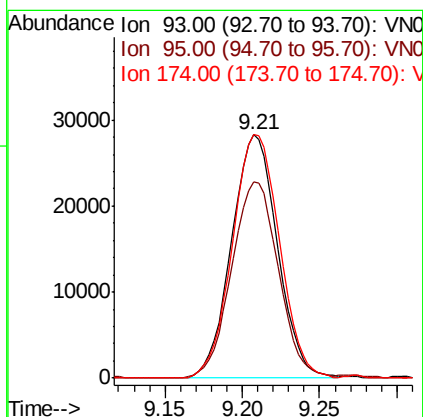
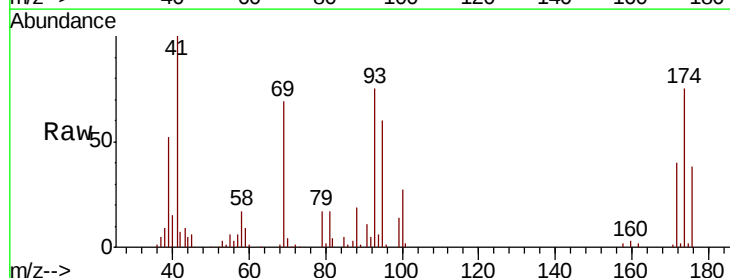
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0416WBSD01

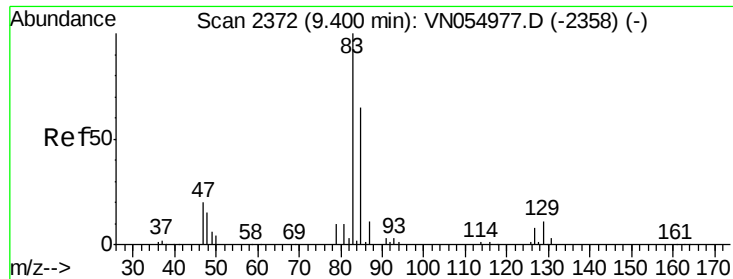
Tot Ion: 63 Resp: 104448
 Ion Ratio Lower Upper
 63 100
 65 29.7 24.8 37.2



#40
 Dibromomethane
 Concen: 20.338 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN055077.D
 Acq: 16 Apr 2019 14:41

Tgt Ion: 93 Resp: 58366
 Ion Ratio Lower Upper
 93 100
 95 82.2 0.0 160.8
 174 102.6 0.0 206.4





#41

Bromodichloromethane

Concen: 19.537 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. 0.00 min

Lab File: VN055077.D

Acq: 16 Apr 2019 14:41

Instrument :

MSVOA_N

ClientSampleId :

VN0416WBSD01

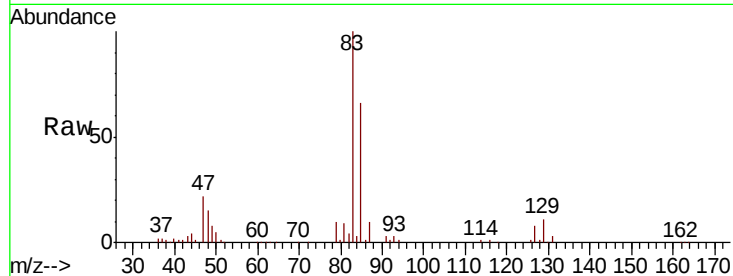
Tot Ion: 83 Resp: 115713

Ion Ratio Lower Upper

83 100

85 66.0 52.0 78.0

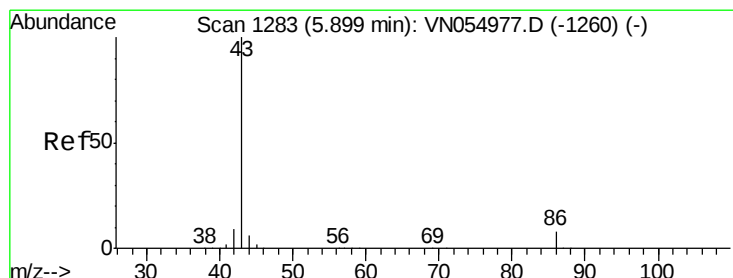
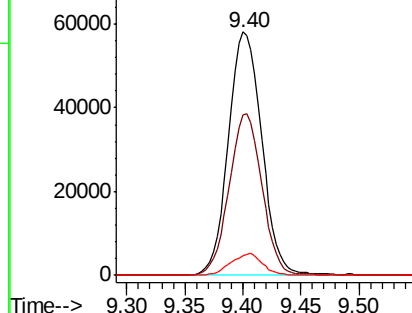
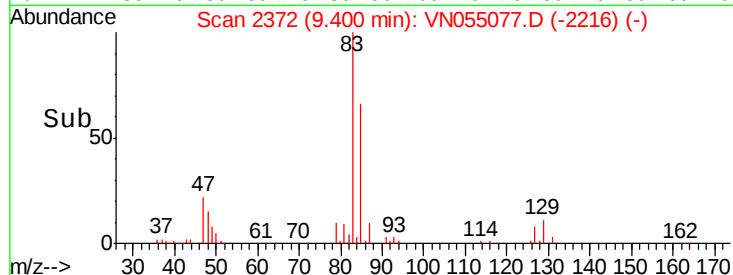
127 8.2 7.2 10.8



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0

Ion 127.00 (126.70 to 127.70): V



#42

Vinyl Acetate

Concen: 103.256 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN055077.D

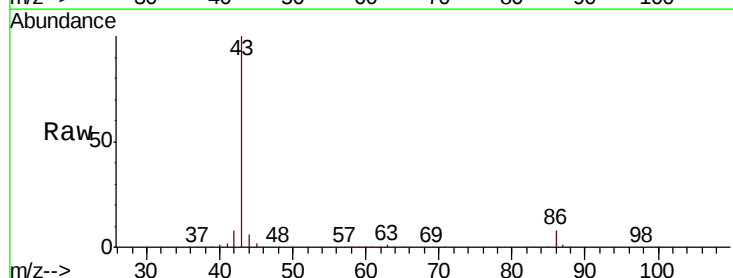
Acq: 16 Apr 2019 14:41

Tgt Ion: 43 Resp: 1075134

Ion Ratio Lower Upper

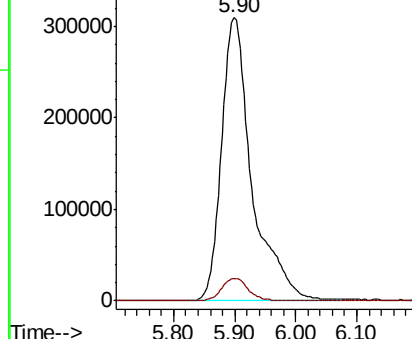
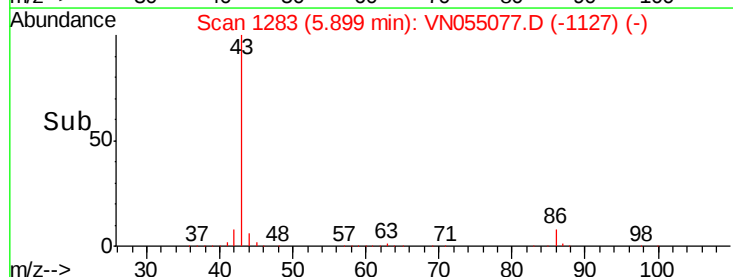
43 100

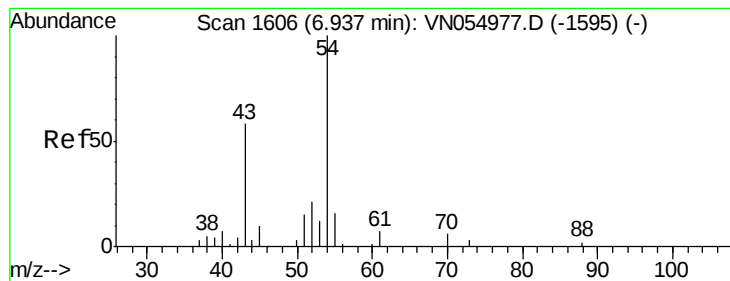
86 7.0 5.7 8.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0





#43

Ethyl Acetate

Concen: 22.095 ug/l

RT: 6.94 min Scan# 1606

Delta R.T. 0.00 min

Lab File: VN055077.D

Acq: 16 Apr 2019 14:41

Instrument :

MSVOA_N

ClientSampled :

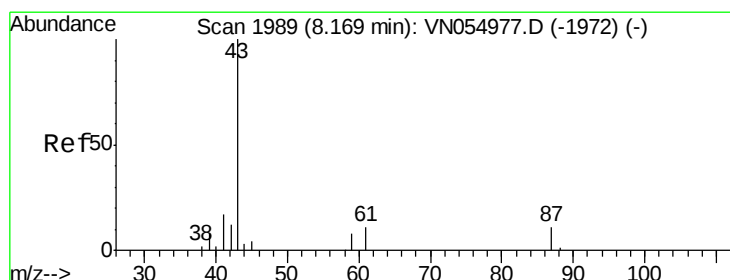
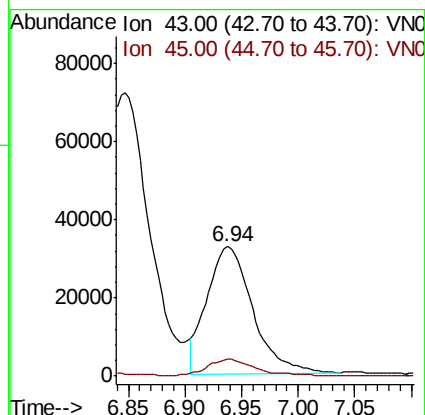
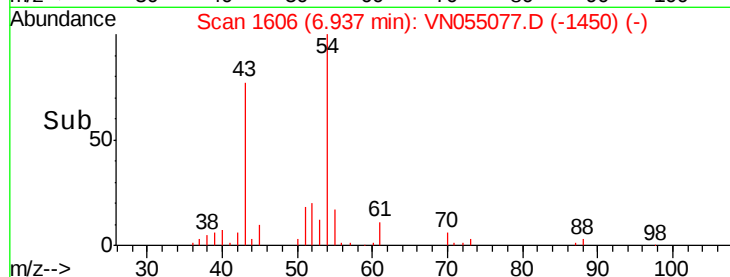
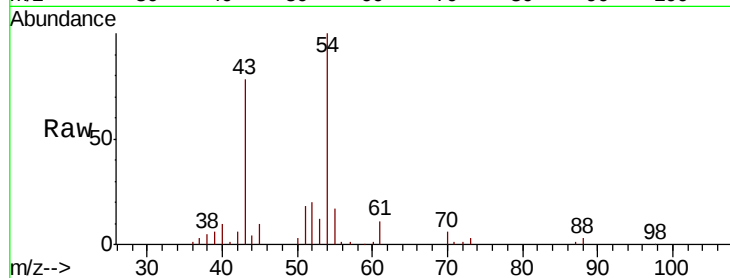
VN0416WBSD01

Tot Ion: 43 Resp: 92709

Ion Ratio Lower Upper

43 100

45 13.2 10.6 15.8



#44

Isopropyl Acetate

Concen: 21.183 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN055077.D

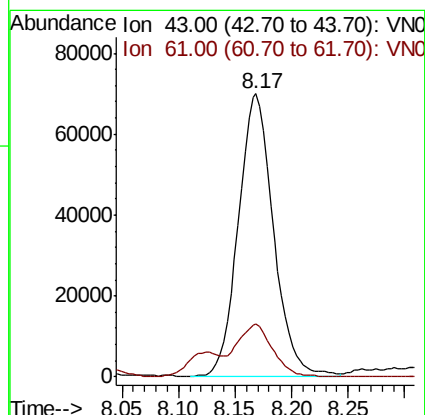
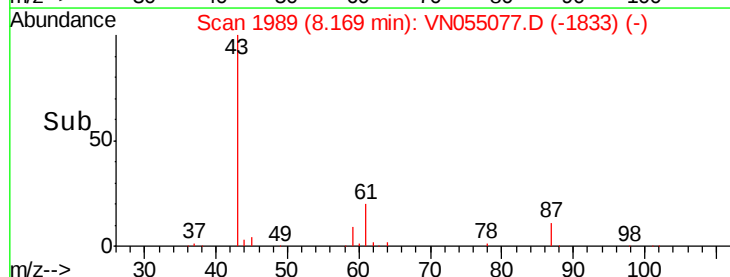
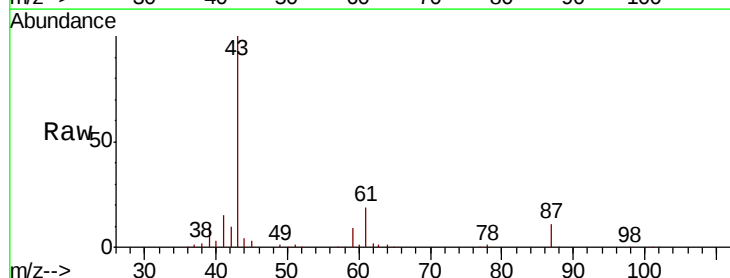
Acq: 16 Apr 2019 14:41

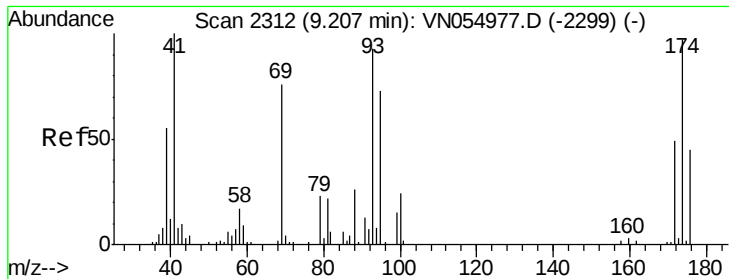
Tgt Ion: 43 Resp: 150625

Ion Ratio Lower Upper

43 100

61 19.2 14.8 22.2





#45

1,4-Dioxane

Concen: 416.868 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. -0.00 min

Lab File: VN055077.D

Acq: 16 Apr 2019 14:41

Instrument :

MSVOA_N

ClientSampleId :

VN0416WBSD01

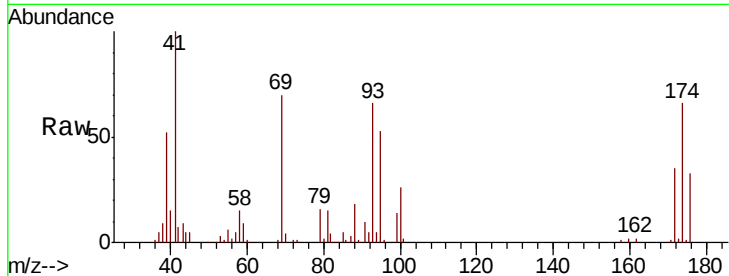
Tot Ion: 88 Resp: 16422

Ion Ratio Lower Upper

88 100

43 41.4 34.5 51.7

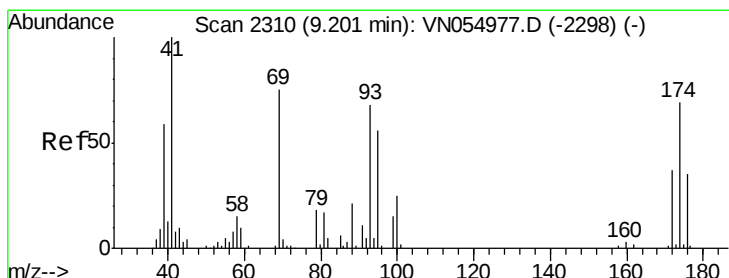
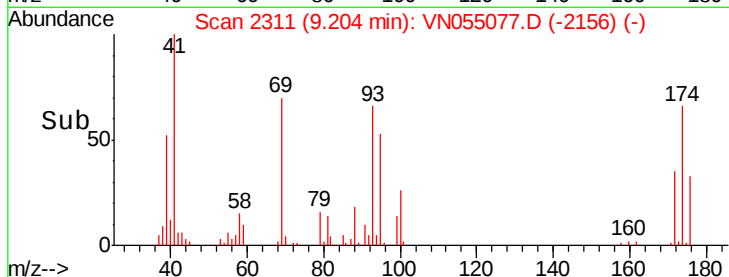
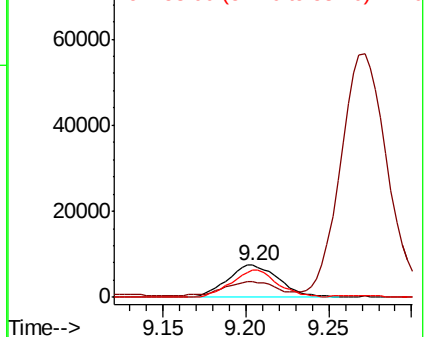
58 74.8 60.3 90.5



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



#46

Methyl methacrylate

Concen: 21.649 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN055077.D

Acq: 16 Apr 2019 14:41

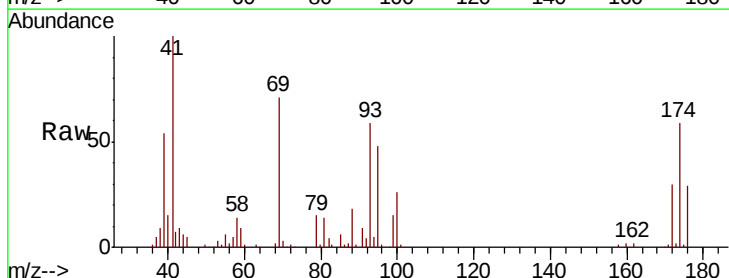
Tgt Ion: 41 Resp: 79634

Ion Ratio Lower Upper

41 100

69 72.4 37.3 111.9

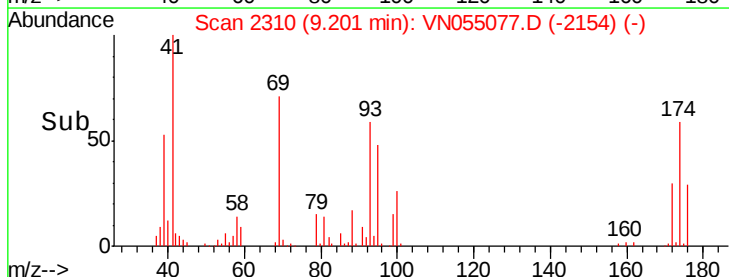
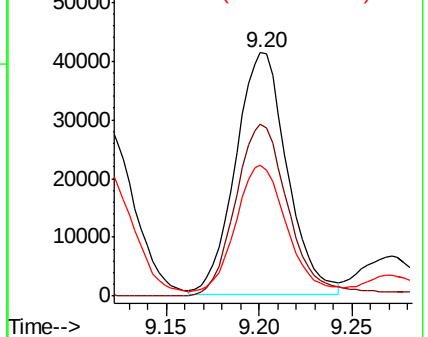
39 53.3 29.4 88.2

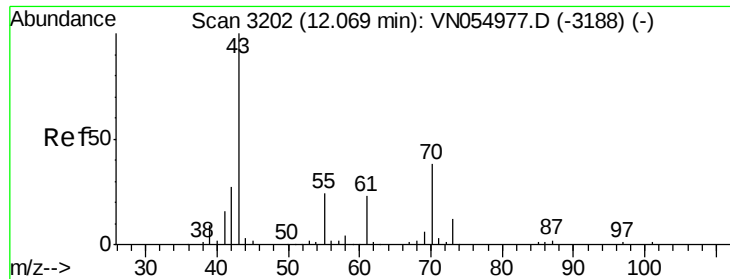


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

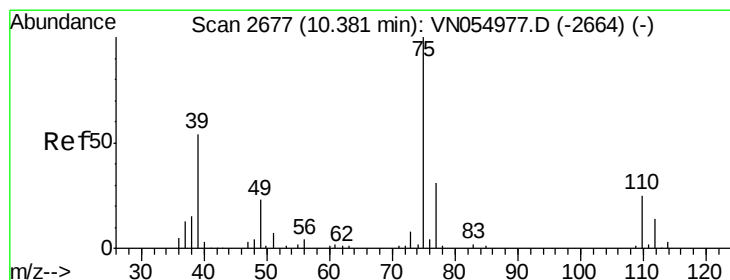
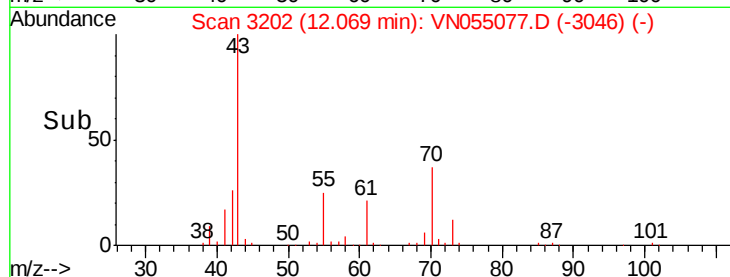
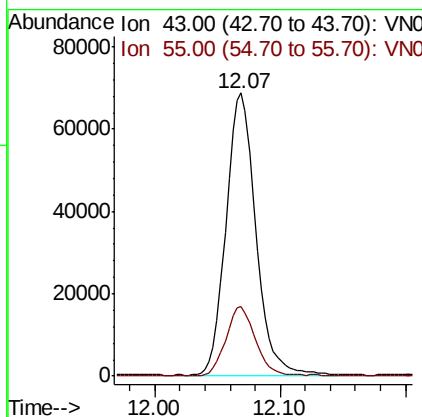
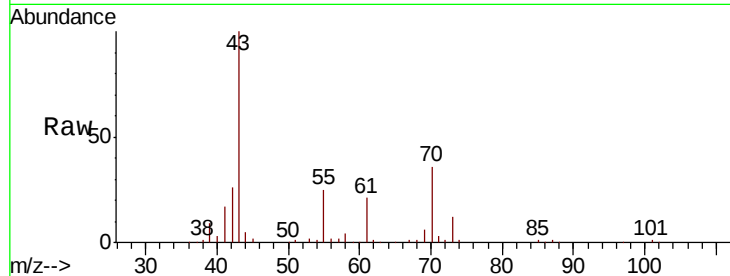




#47
n-amvl Acetate
Concen: 21.544 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN055077.D
Acq: 16 Apr 2019 14:41

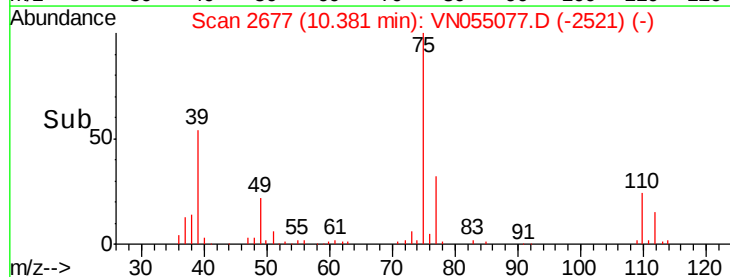
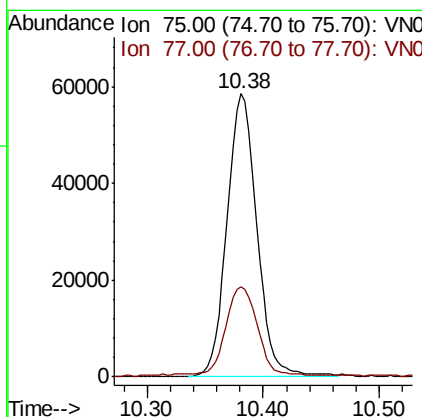
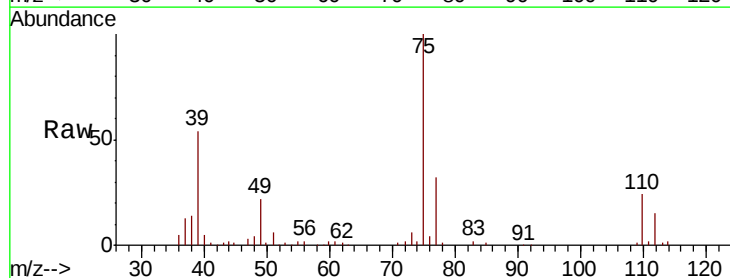
Instrument :
MSVOA_N
ClientSampleId :
VN0416WBSD01

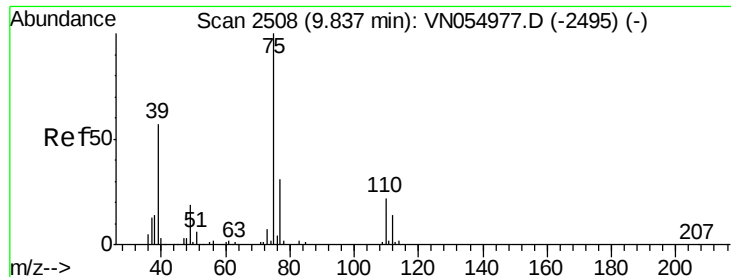
Tot Ion: 43 Resp: 112833
Ion Ratio Lower Upper
43 100
55 24.4 19.8 29.6



#48
t-1,3-Dichloropropene
Concen: 19.184 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN055077.D
Acq: 16 Apr 2019 14:41

Tgt Ion: 75 Resp: 104340
Ion Ratio Lower Upper
75 100
77 30.9 24.6 37.0





#49

cis-1,3-Dichloropropene

Concen: 19.789 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. 0.00 min

Lab File: VN055077.D

Acq: 16 Apr 2019 14:41

Instrument :

MSVOA_N

ClientSampleId :

VN0416WBSD01

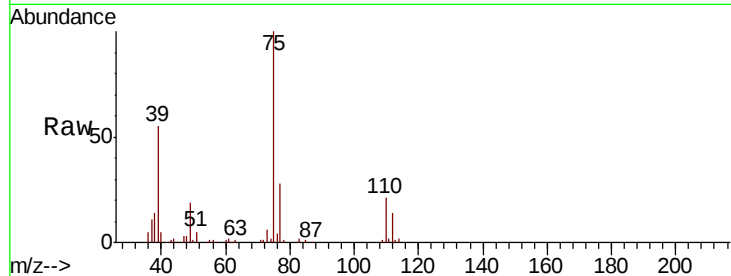
Tot Ion: 75 Resp: 132868

Ion Ratio Lower Upper

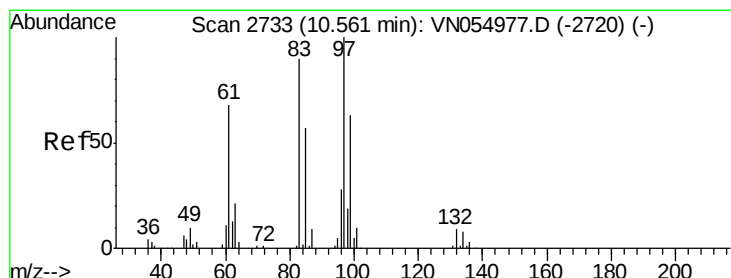
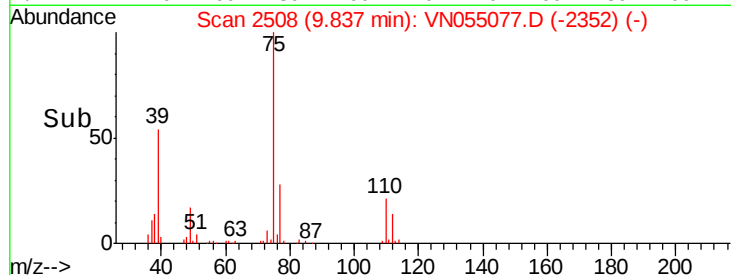
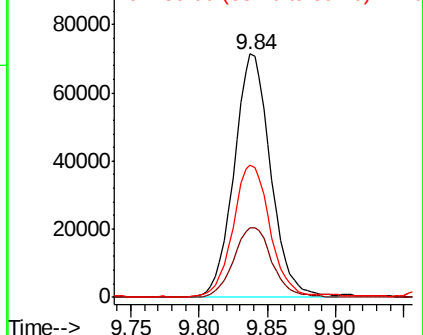
75 100

77 28.3 24.7 37.1

39 54.1 45.3 67.9



Abundance Ion 75.00 (74.70 to 75.70): VNO
Ion 77.00 (76.70 to 77.70): VNO
Ion 39.00 (38.70 to 39.70): VNO



#50

1,1,2-Trichloroethane

Concen: 20.806 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN055077.D

Acq: 16 Apr 2019 14:41

Tgt Ion: 97 Resp: 81097

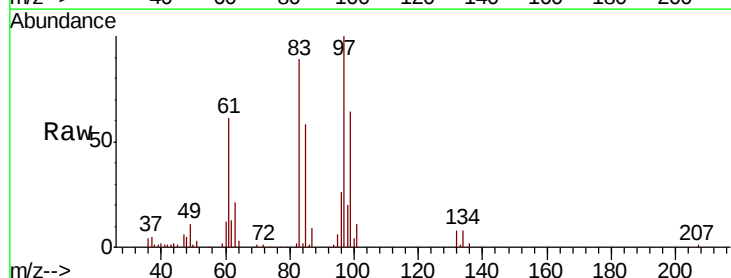
Ion Ratio Lower Upper

97 100

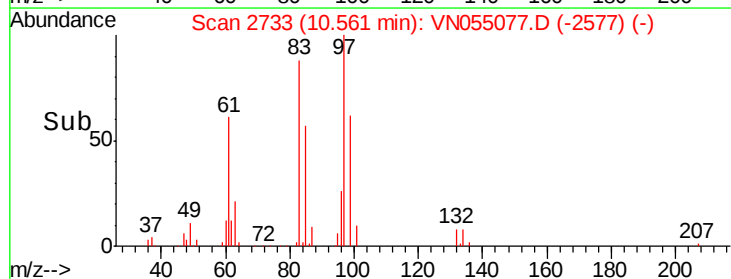
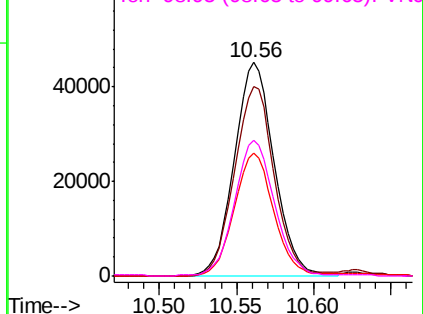
83 88.8 72.1 108.1

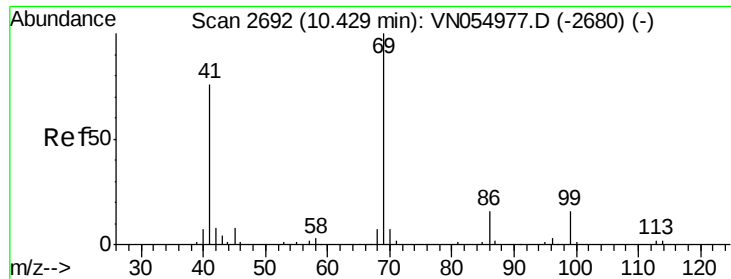
85 57.6 45.4 68.0

99 63.4 50.6 75.8



Abundance Ion 97.00 (96.70 to 97.70): VNO
Ion 82.95 (82.65 to 83.65): VNO
Ion 84.95 (84.65 to 85.65): VNO
Ion 98.95 (98.65 to 99.65): VNO





#51

Ethyl methacrylate

Concen: 20.148 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN055077.D

Acq: 16 Apr 2019 14:41

Instrument :

MSVOA_N

ClientSampled :

VN0416WBSD01

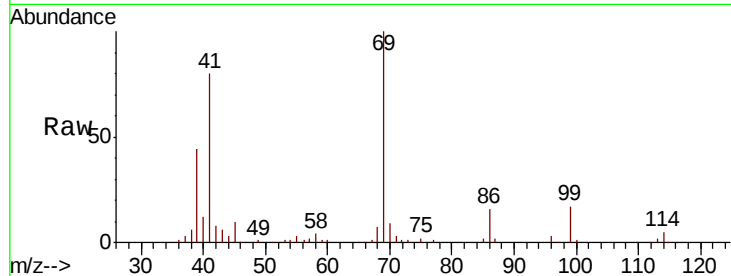
Tot Ion: 69 Resp: 93613

Ion Ratio Lower Upper

69 100

41 79.9 37.9 113.7

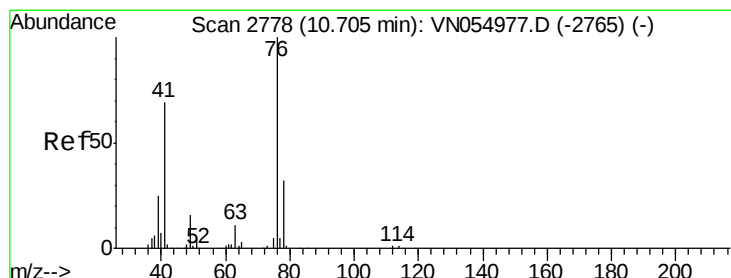
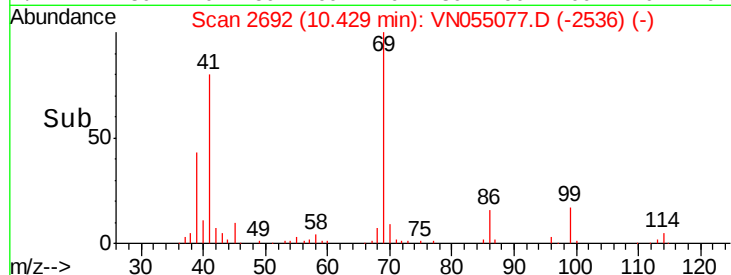
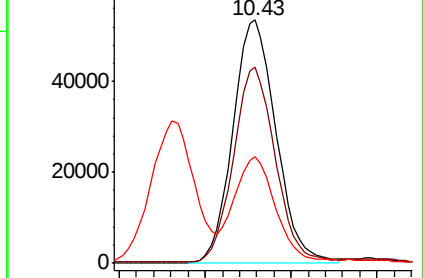
39 42.3 19.8 59.4



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#52

1,3-Dichloropropane

Concen: 20.405 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN055077.D

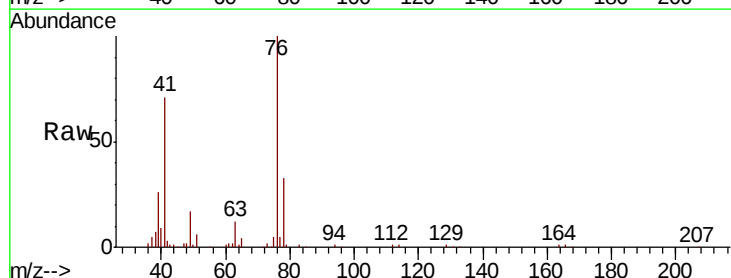
Acq: 16 Apr 2019 14:41

Tgt Ion: 76 Resp: 139364

Ion Ratio Lower Upper

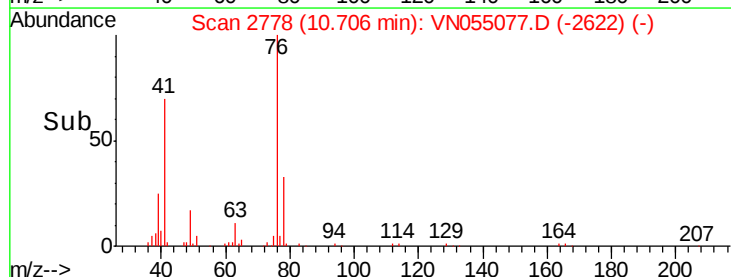
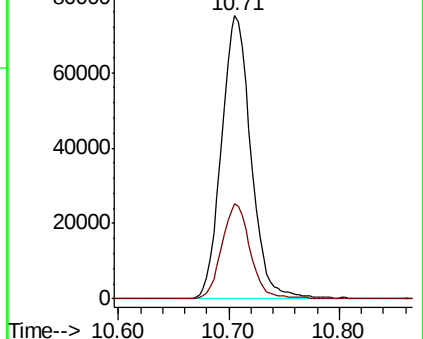
76 100

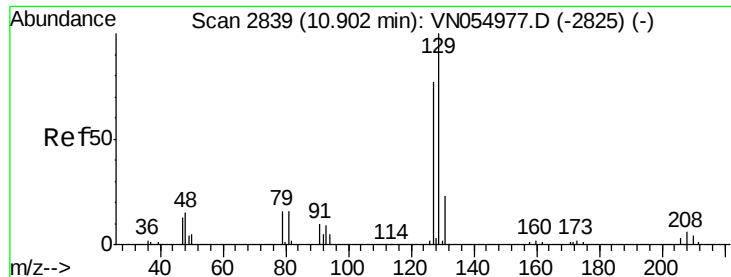
78 32.2 0.0 64.4



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0

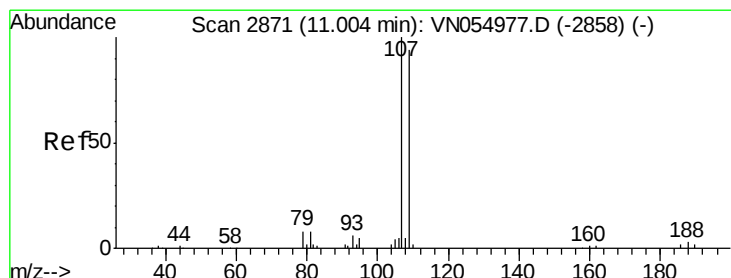
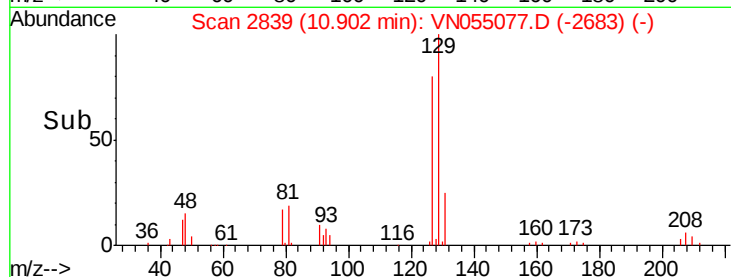
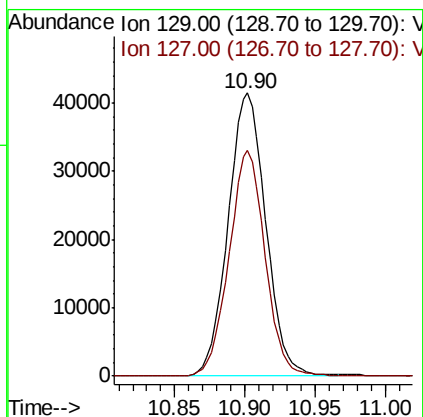
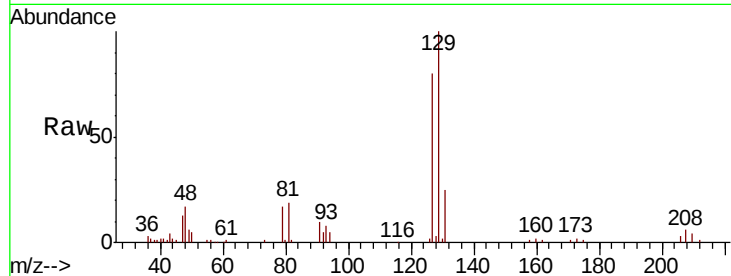




#53
 Dibromochloromethane
 Concen: 19.318 ug/l
 RT: 10.90 min Scan# 2839
 Delta R.T. 0.00 min
 Lab File: VN055077.D
 Acq: 16 Apr 2019 14:41

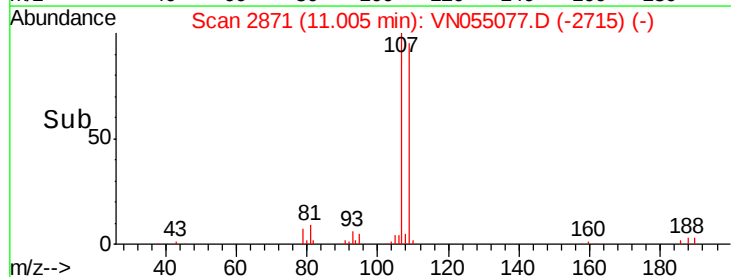
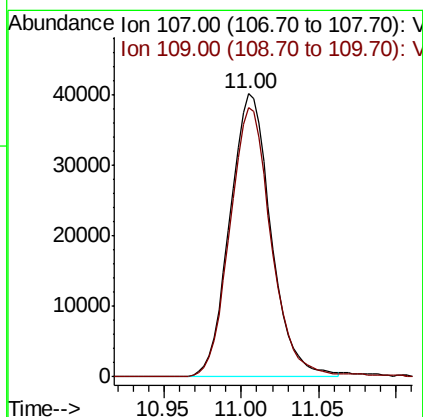
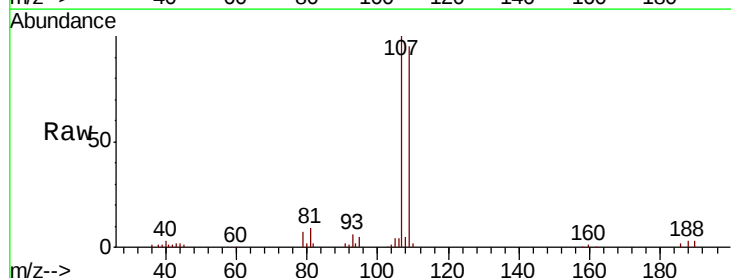
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0416WBSD01

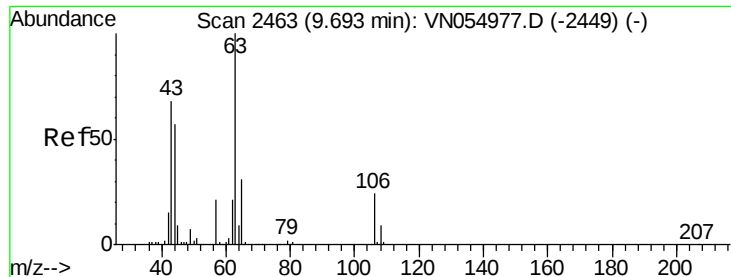
Tot Ion:129 Resp: 77562
 Ion Ratio Lower Upper
 129 100
 127 76.1 37.8 113.3



#54
 1,2-Dibromoethane
 Concen: 20.274 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN055077.D
 Acq: 16 Apr 2019 14:41

Tgt Ion:107 Resp: 74186
 Ion Ratio Lower Upper
 107 100
 109 94.9 76.2 114.2

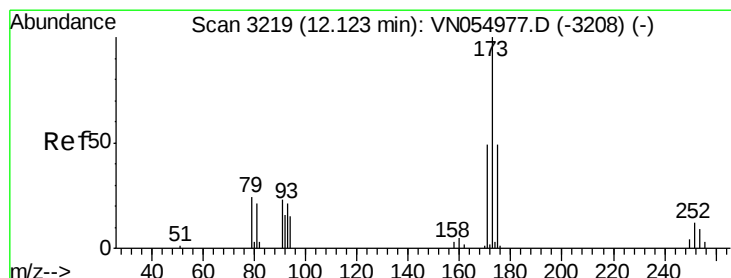
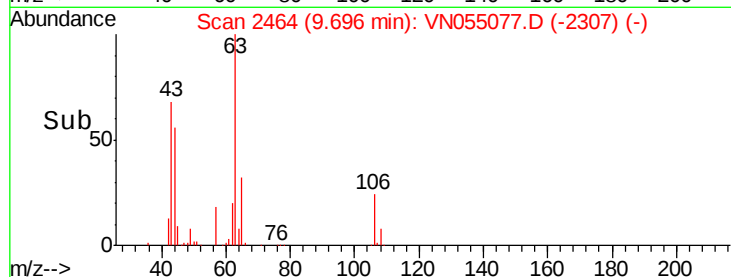
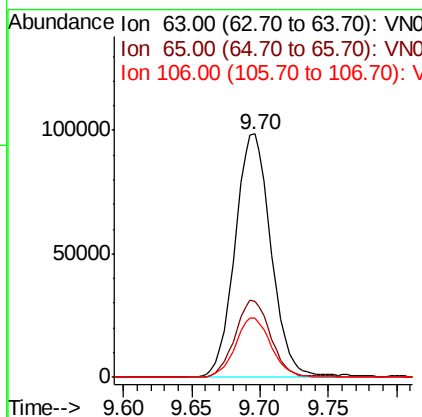
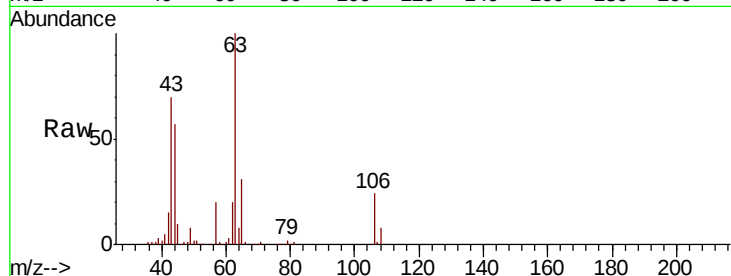




#55
2-Chloroethyl vinyl ether
Concen: 93.144 ug/l
RT: 9.70 min Scan# 2464
Delta R.T. 0.00 min
Lab File: VN055077.D
Acq: 16 Apr 2019 14:41

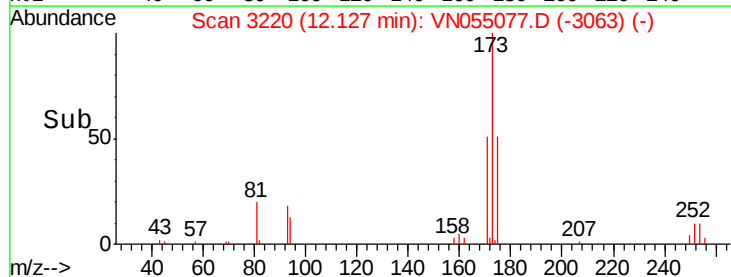
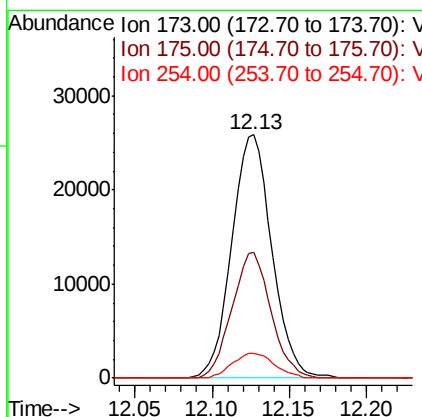
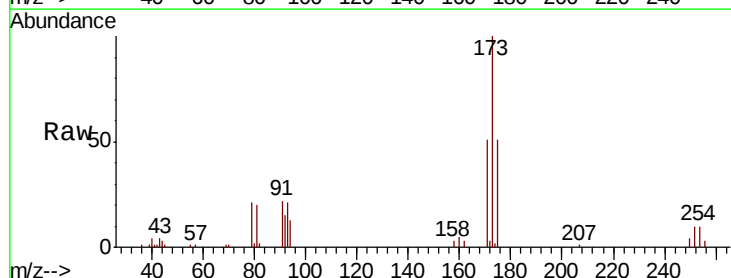
Instrument :
MSVOA_N
ClientSampleId :
VN0416WBSD01

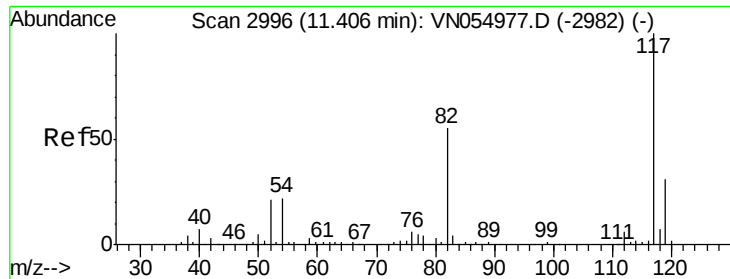
Tot Ion: 63 Resp: 180927
Ion Ratio Lower Upper
63 100
65 31.0 25.4 38.0
106 24.3 19.8 29.6



#56
Bromoform
Concen: 18.453 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN055077.D
Acq: 16 Apr 2019 14:41

Tgt Ion: 173 Resp: 46552
Ion Ratio Lower Upper
173 100
175 50.2 38.6 57.8
254 10.6 6.8 10.2#

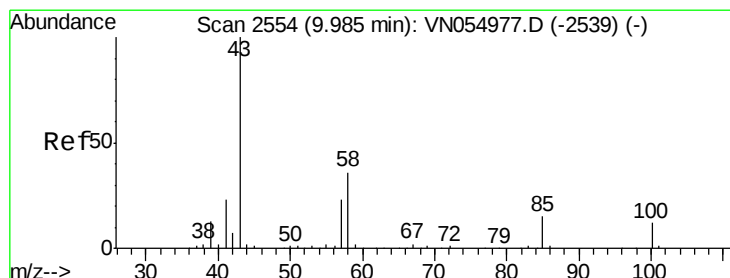
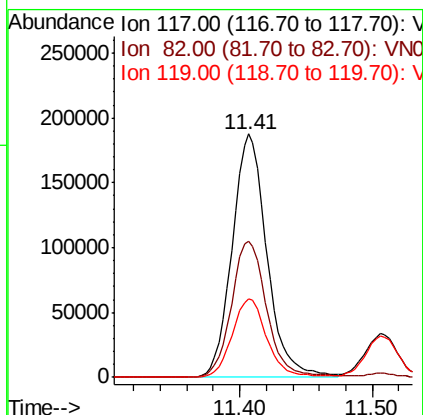
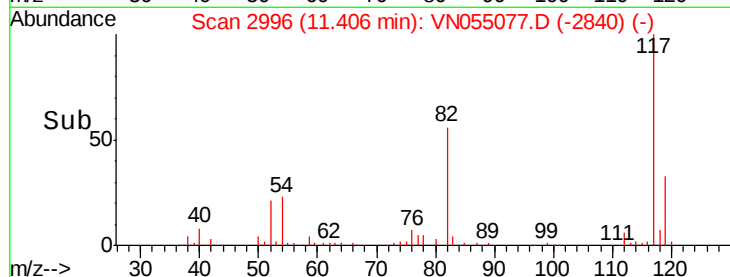
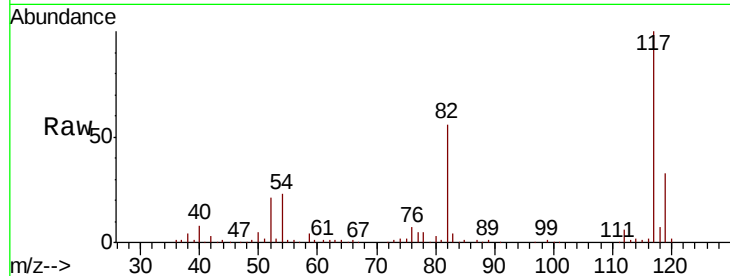




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055077.D
Acq: 16 Apr 2019 14:41

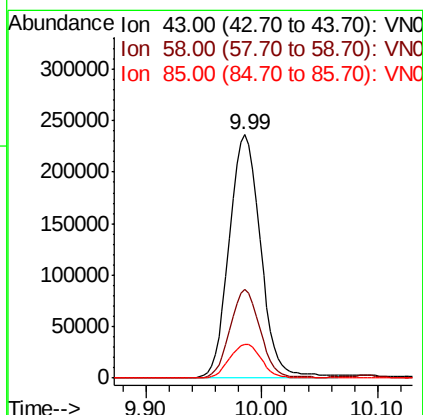
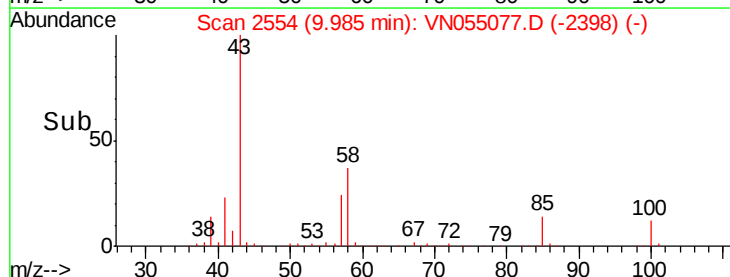
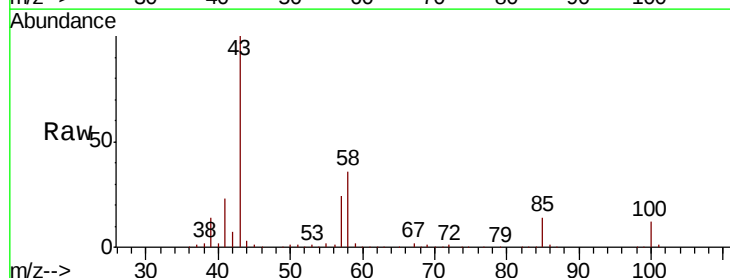
Instrument :
MSVOA_N
ClientSampleId :
VN0416WBSD01

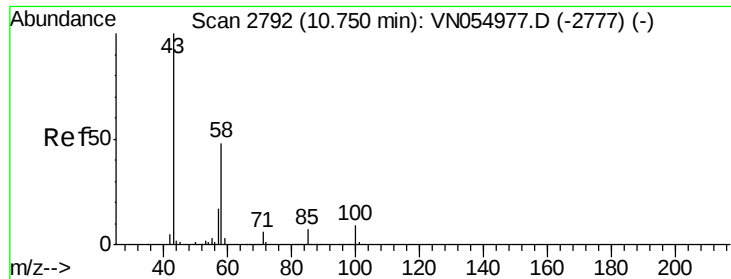
Tot Ion:117 Resp: 341738
Ion Ratio Lower Upper
117 100
82 56.9 45.2 67.8
119 32.3 25.4 38.2



#58
4-Methyl-2-Pentanone
Concen: 112.251 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN055077.D
Acq: 16 Apr 2019 14:41

Tgt Ion: 43 Resp: 442378
Ion Ratio Lower Upper
43 100
58 35.1 28.7 43.1
85 14.1 11.8 17.6

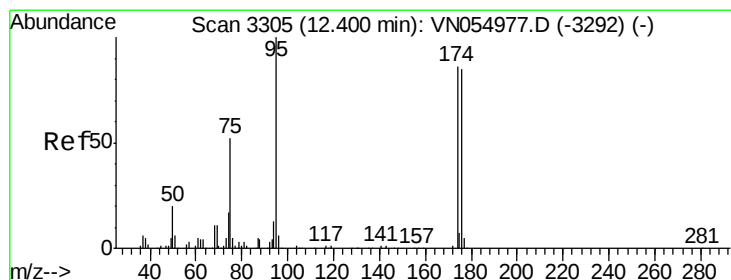
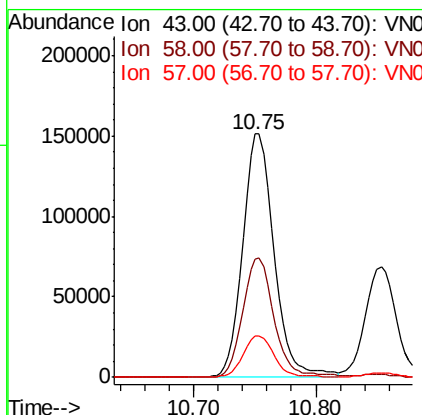
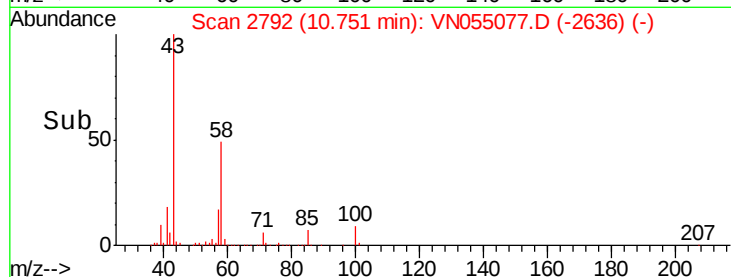
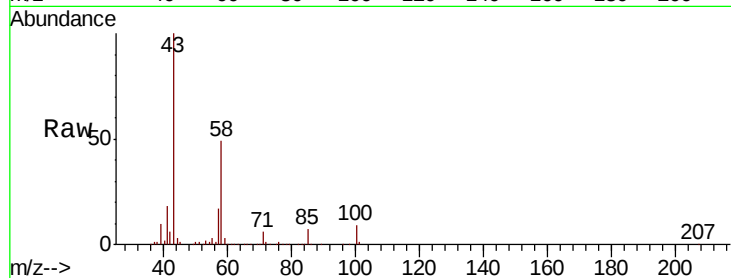




#59
2-Hexanone
Concen: 106.368 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN055077.D
Acq: 16 Apr 2019 14:41

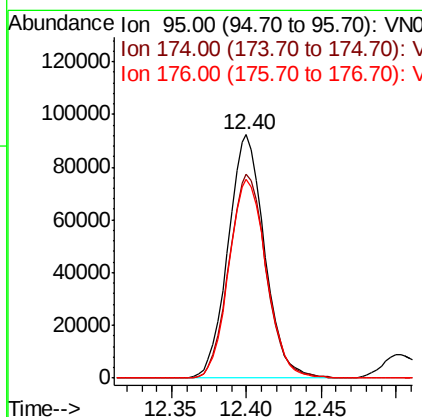
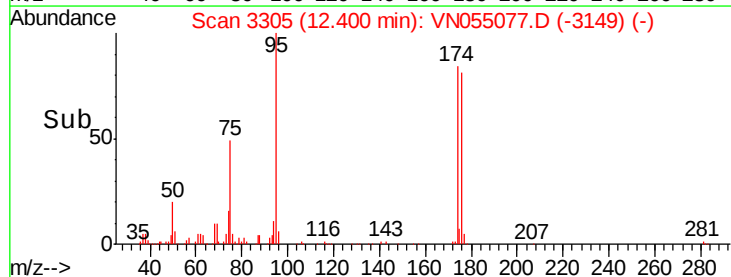
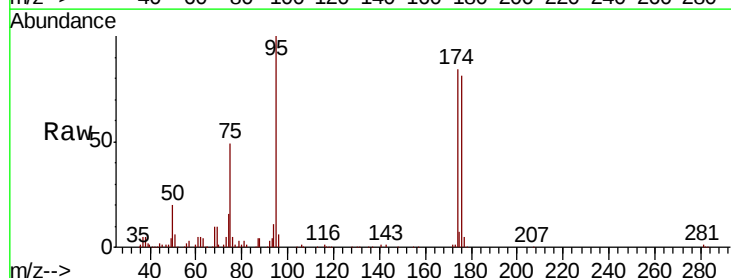
Instrument :
MSVOA_N
ClientSampleId :
VN0416WBSD01

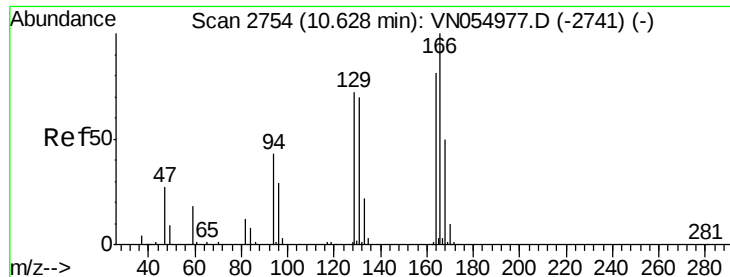
Tot Ion: 43 Resp: 266303
Ion Ratio Lower Upper
43 100
58 49.3 38.8 58.2
57 17.2 13.8 20.6



#60
4-Bromofluorobenzene
Concen: 106.368 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN055077.D
Acq: 16 Apr 2019 14:41

Tgt Ion: 95 Resp: 156902
Ion Ratio Lower Upper
95 100
174 85.4 69.4 104.2
176 83.8 67.4 101.2





#61

Tetrachloroethene

Concen: 19.555 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. 0.00 min

Lab File: VN055077.D

Acq: 16 Apr 2019 14:41

Instrument :

MSVOA_N

ClientSampleId :

VN0416WBSD01

Tot Ion:164 Resp: 86969

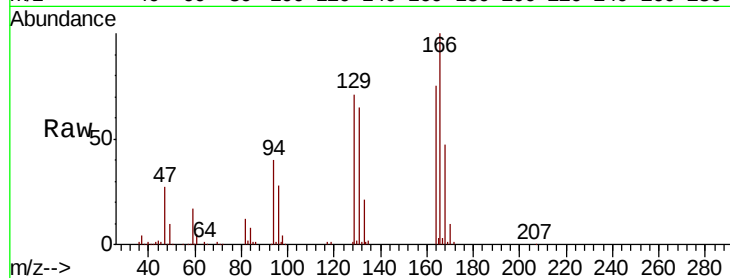
Ion Ratio Lower Upper

164 100

166 133.2 99.0 148.4

129 94.3 71.4 107.0

131 87.0 68.8 103.2



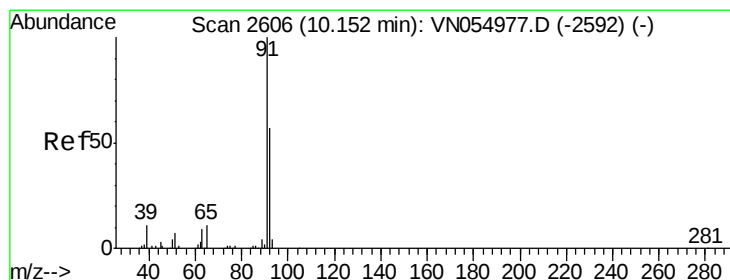
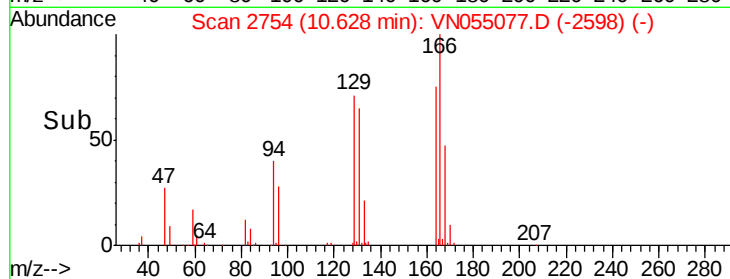
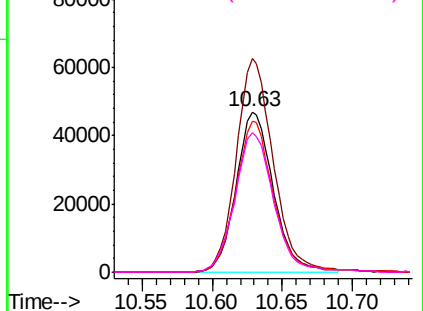
Abundance

Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 20.212 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN055077.D

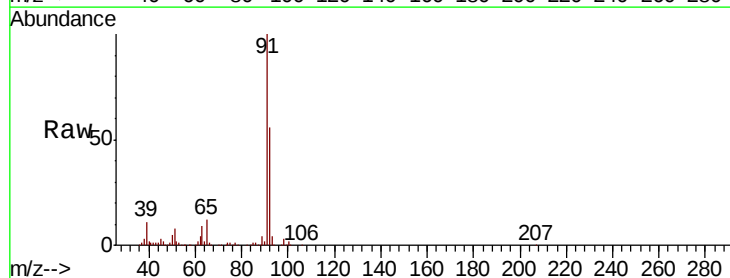
Acq: 16 Apr 2019 14:41

Tgt Ion: 91 Resp: 380592

Ion Ratio Lower Upper

91 100

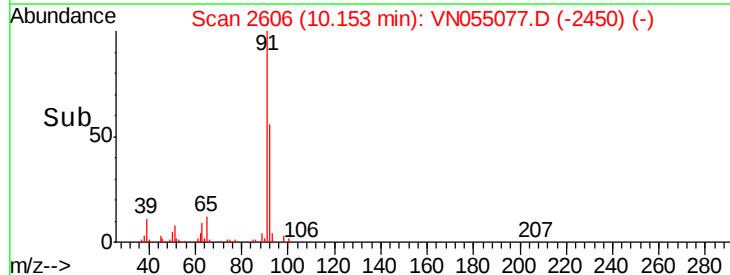
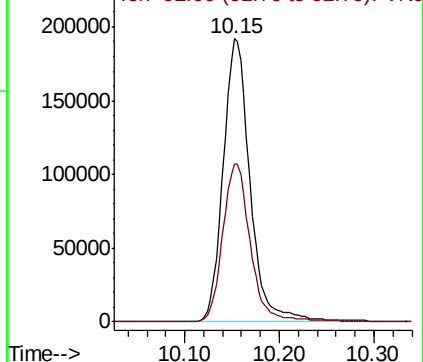
92 56.9 44.8 67.2

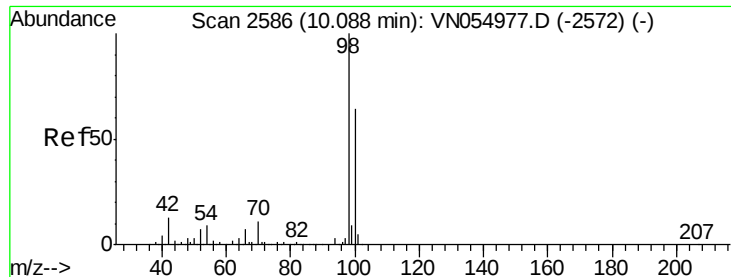


Abundance

Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 20.212 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055077.D

Acq: 16 Apr 2019 14:41

Instrument :

MSVOA_N

ClientSampleId :

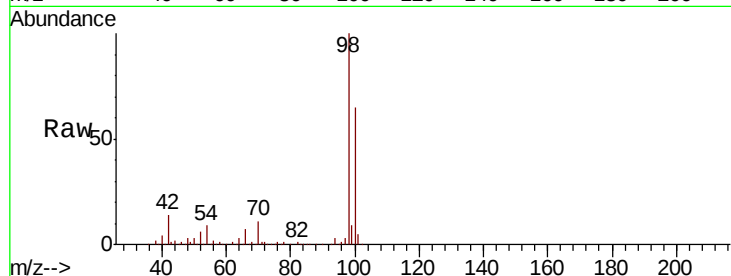
VN0416WBSD01

Tot Ion: 98 Resp: 501143

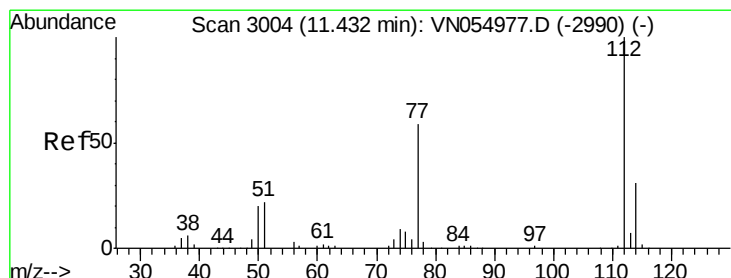
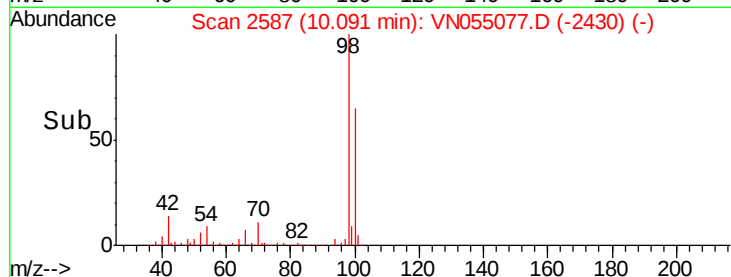
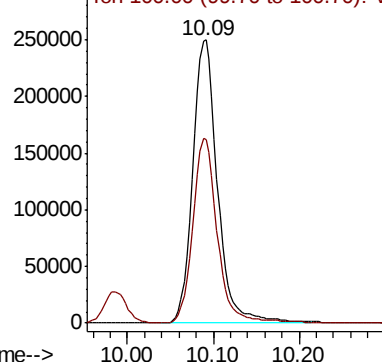
Ion Ratio Lower Upper

98 100

100 63.6 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VN054977.D (-2572) (-)



#64

Chlorobenzene

Concen: 20.225 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN055077.D

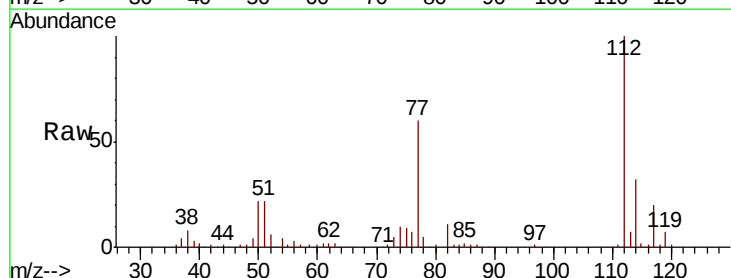
Acq: 16 Apr 2019 14:41

Tgt Ion: 112 Resp: 229915

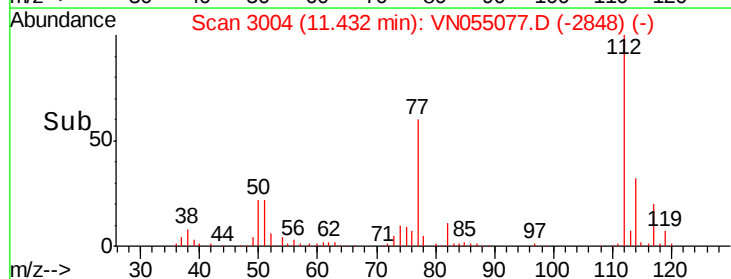
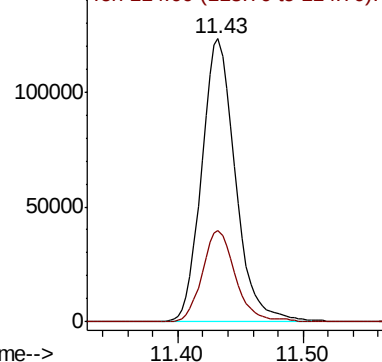
Ion Ratio Lower Upper

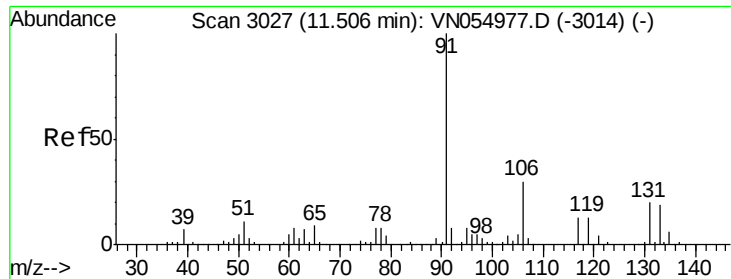
112 100

114 32.3 25.1 37.7



Abundance Ion 112.00 (111.70 to 112.70): VN054977.D (-2990) (-)





#65

1,1,1,2-Tetrachloroethane

Concen: 20.528 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN055077.D

Acq: 16 Apr 2019 14:41

Instrument :

MSVOA_N

ClientSampleId :

VN0416WBSD01

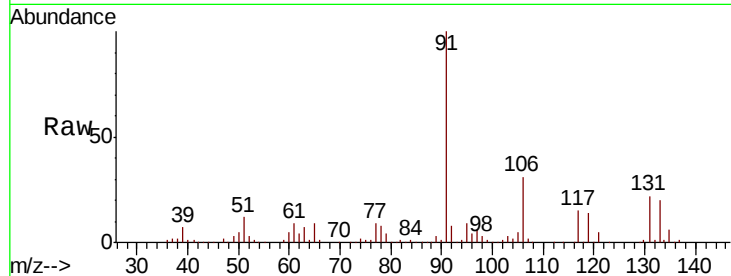
Tot Ion:131 Resp: 82995

Ion Ratio Lower Upper

131 100

133 93.6 0.0 187.8

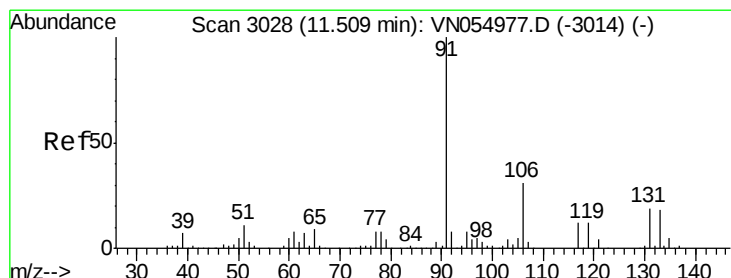
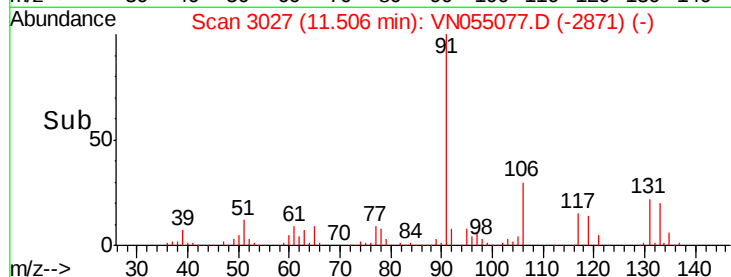
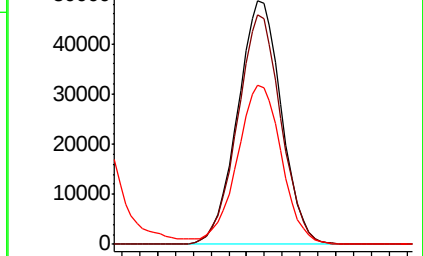
119 66.4 0.0 131.4



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 19.966 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN055077.D

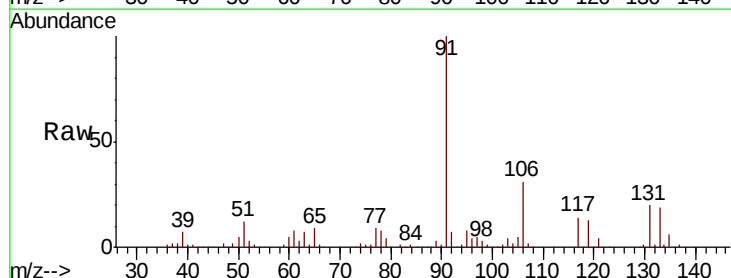
Acq: 16 Apr 2019 14:41

Tgt Ion: 91 Resp: 403003

Ion Ratio Lower Upper

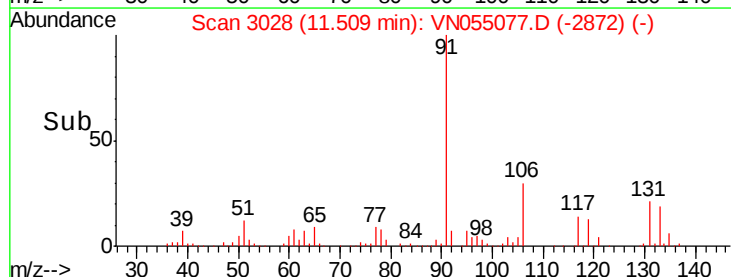
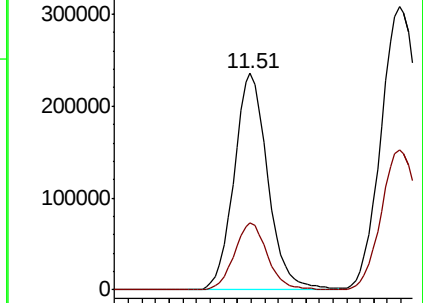
91 100

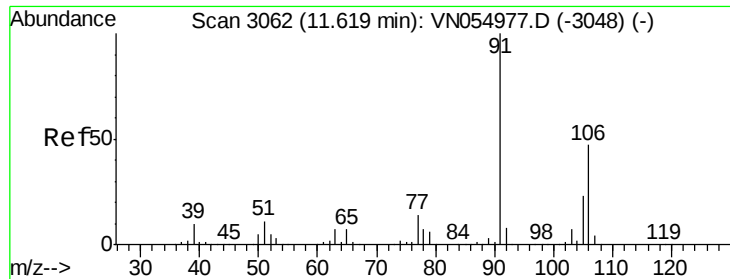
106 31.0 24.6 36.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V

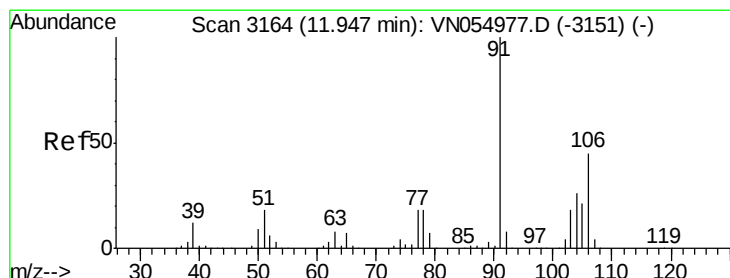
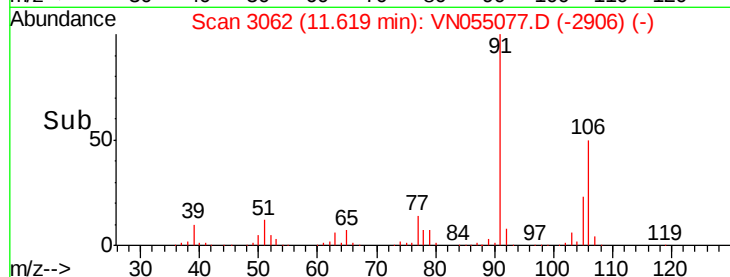
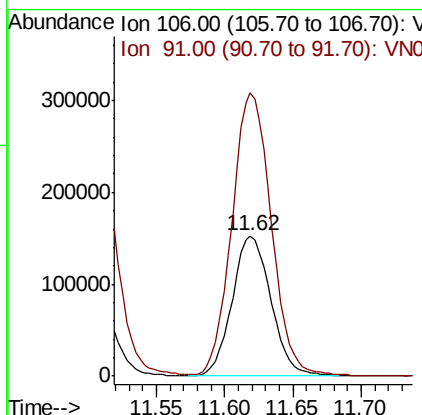
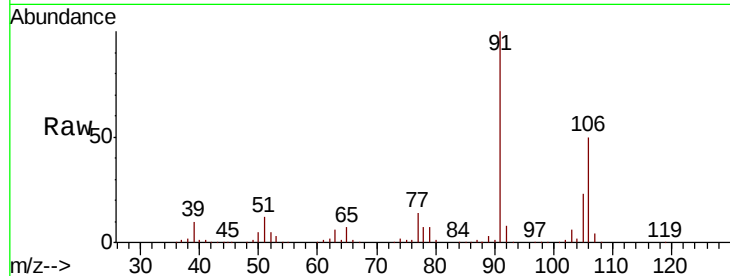




#67
m/p-Xylenes
Concen: 40.080 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN055077.D
Acq: 16 Apr 2019 14:41

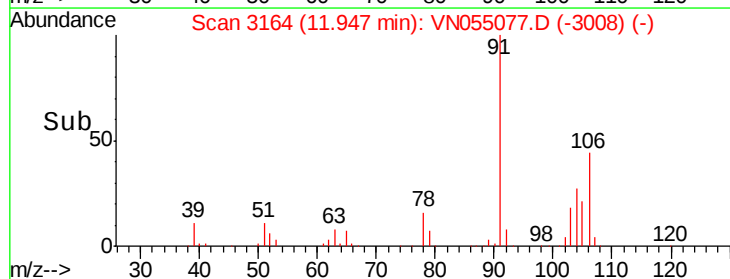
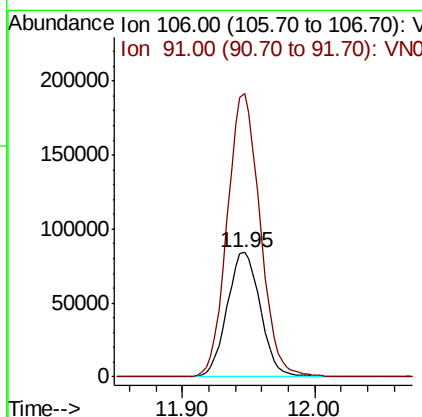
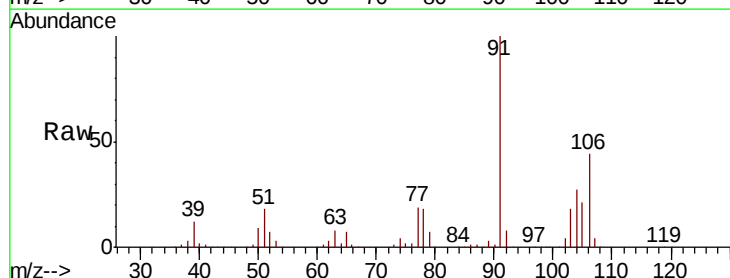
Instrument :
MSVOA_N
ClientSampleId :
VN0416WBSD01

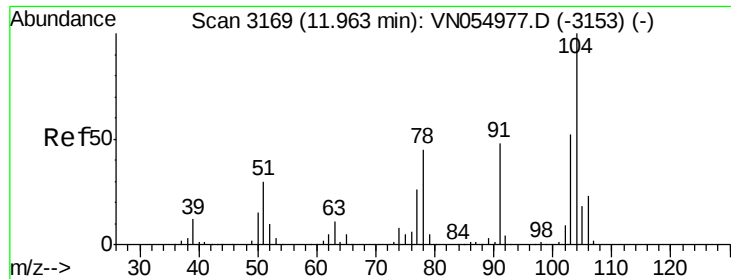
Tot Ion:106 Resp: 300713
Ion Ratio Lower Upper
106 100
91 206.3 167.4 251.2



#68
o-Xylene
Concen: 19.867 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055077.D
Acq: 16 Apr 2019 14:41

Tgt Ion:106 Resp: 147301
Ion Ratio Lower Upper
106 100
91 224.6 110.3 330.8

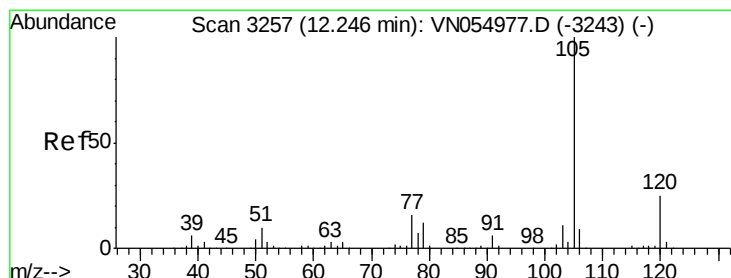
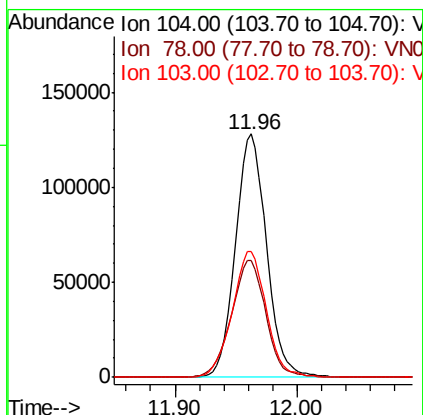
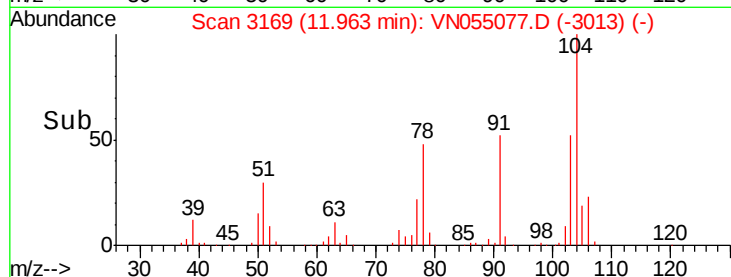
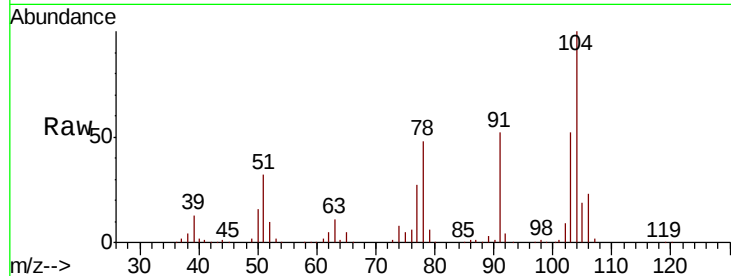




#69
Stvrene
Concen: 19.628 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055077.D
Acq: 16 Apr 2019 14:41

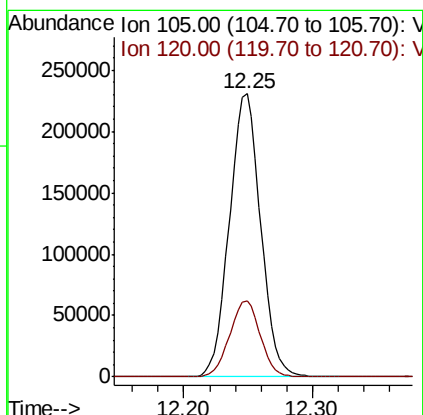
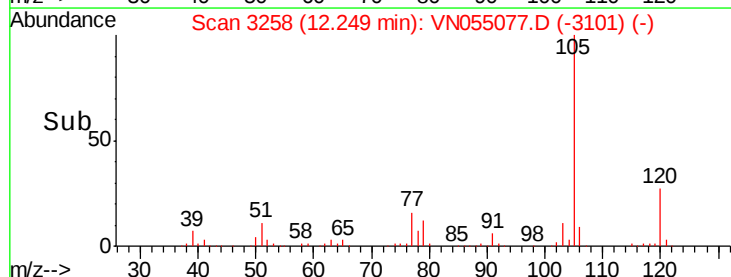
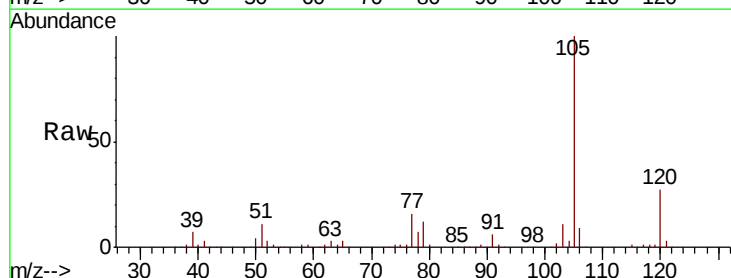
Instrument :
MSVOA_N
ClientSampleId :
VN0416WBSD01

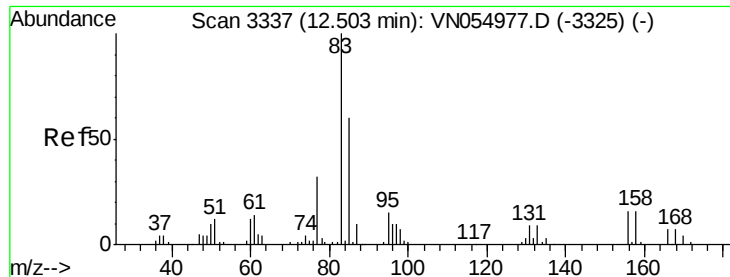
Tot Ion:104 Resp: 225987
Ion Ratio Lower Upper
104 100
78 53.2 41.2 61.8
103 56.6 44.6 67.0



#70
Isopropylbenzene
Concen: 19.543 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN055077.D
Acq: 16 Apr 2019 14:41

Tgt Ion:105 Resp: 387414
Ion Ratio Lower Upper
105 100
120 26.4 18.3 33.9

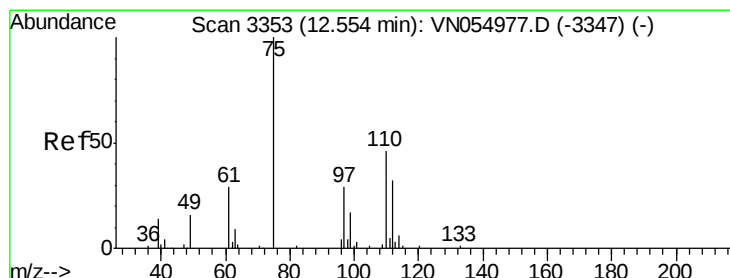
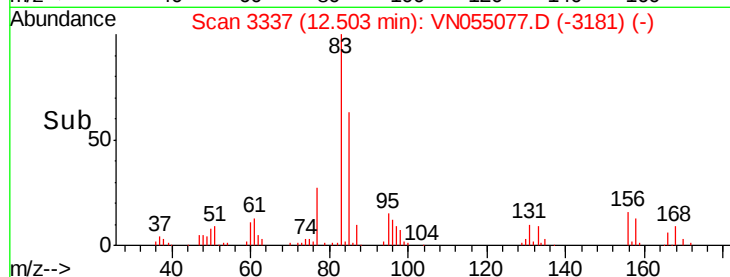
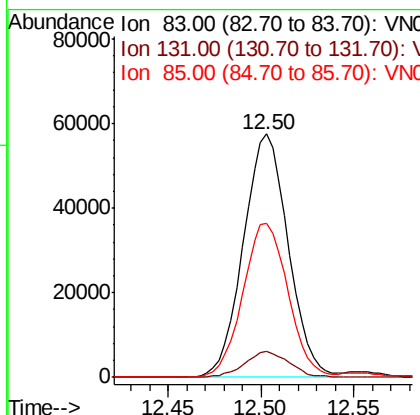
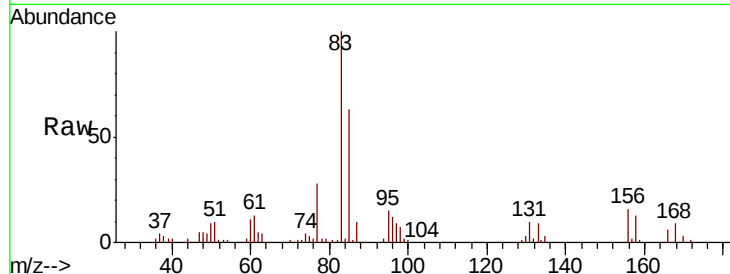




#71
 1,1,2,2-Tetrachloroethane
 Concen: 21.458 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. 0.00 min
 Lab File: VN055077.D
 Acq: 16 Apr 2019 14:41

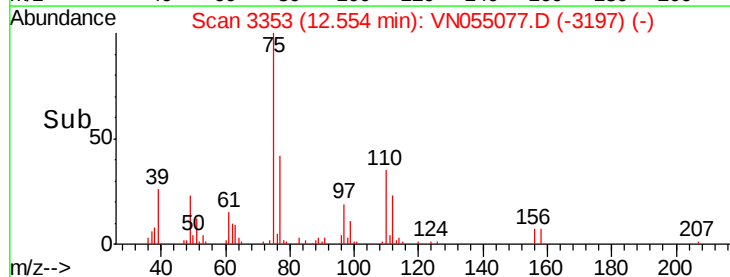
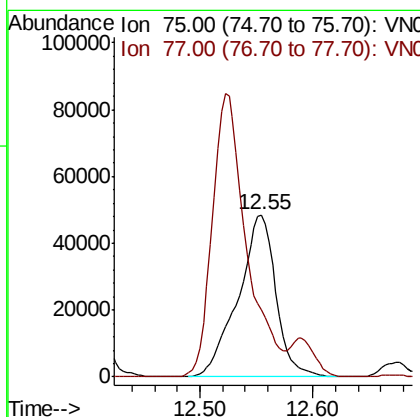
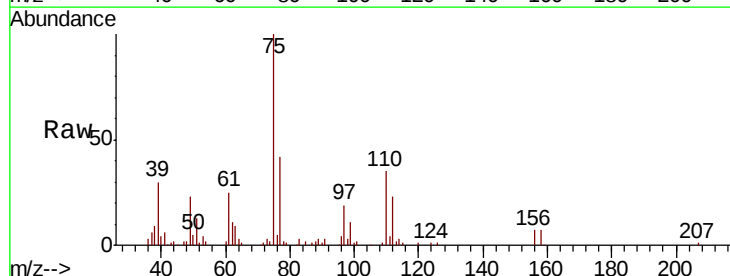
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0416WBSD01

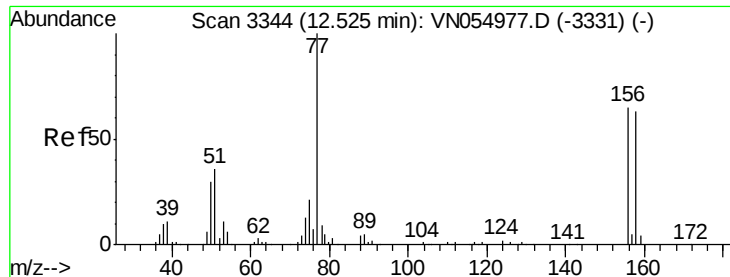
Tot Ion: 83 Resp: 97294
 Ion Ratio Lower Upper
 83 100
 131 10.5 4.6 13.8
 85 63.6 30.9 92.5



#72
 1,2,3-Trichloropropane
 Concen: 30.110 ug/l
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN055077.D
 Acq: 16 Apr 2019 14:41

Tgt Ion: 75 Resp: 112747
 Ion Ratio Lower Upper
 75 100
 77 157.6 0.0 466.6





#73

Bromobenzene

Concen: 19.708 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055077.D

Acq: 16 Apr 2019 14:41

Instrument :

MSVOA_N

ClientSampleId :

VN0416WBSD01

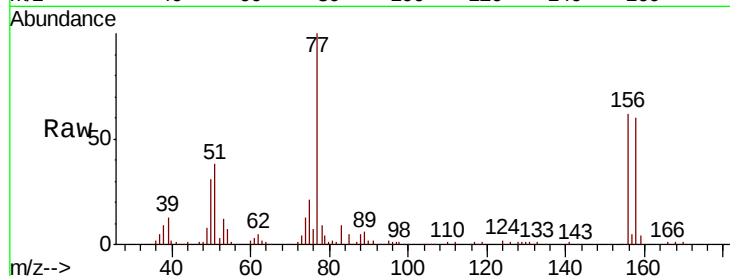
Tot Ion:156 Resp: 92344

Ion Ratio Lower Upper

156 100

77 192.5 0.0 383.2

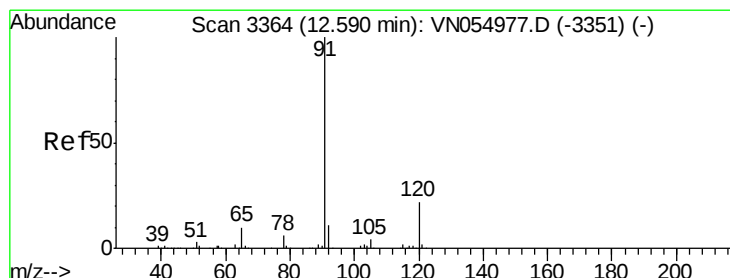
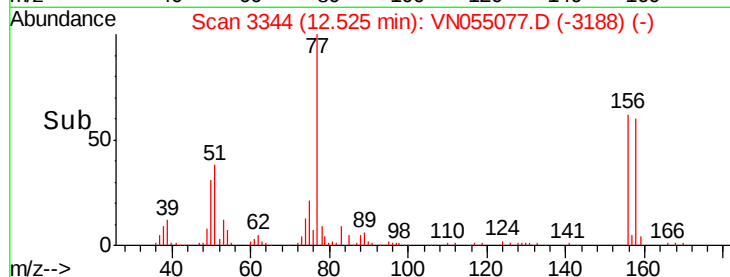
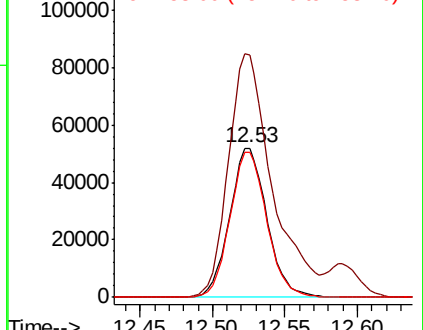
158 96.4 0.0 193.8



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 19.673 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055077.D

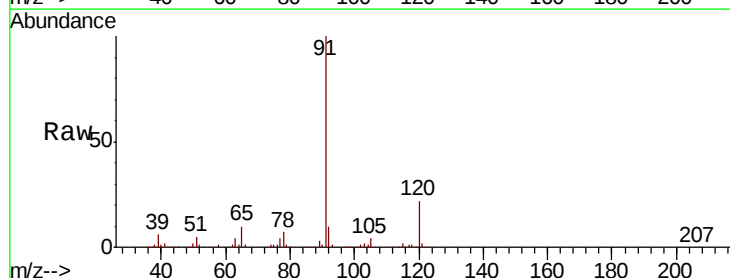
Acq: 16 Apr 2019 14:41

Tgt Ion: 91 Resp: 436605

Ion Ratio Lower Upper

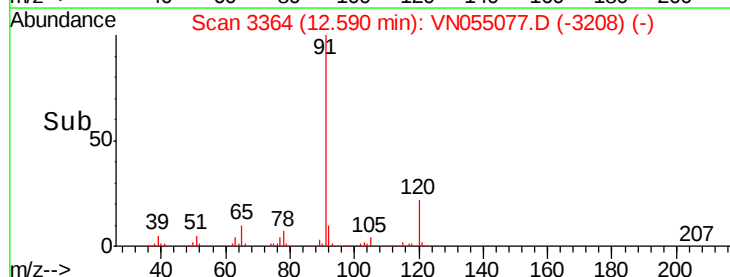
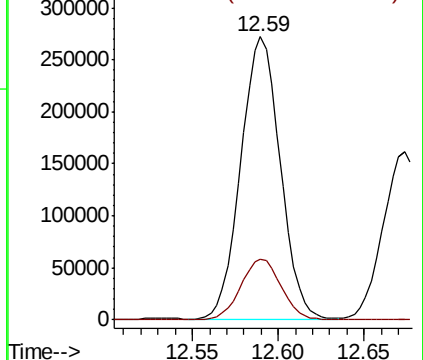
91 100

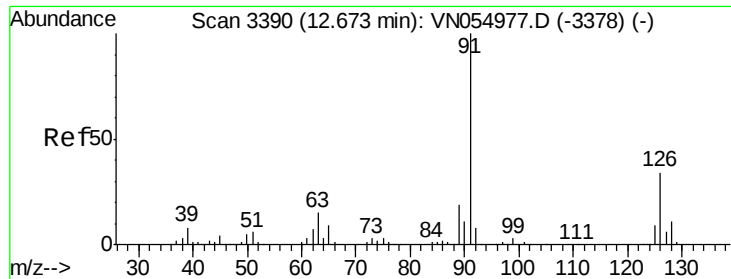
120 21.8 0.0 44.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 20.222 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055077.D

Acq: 16 Apr 2019 14:41

Instrument :

MSVOA_N

ClientSampleId :

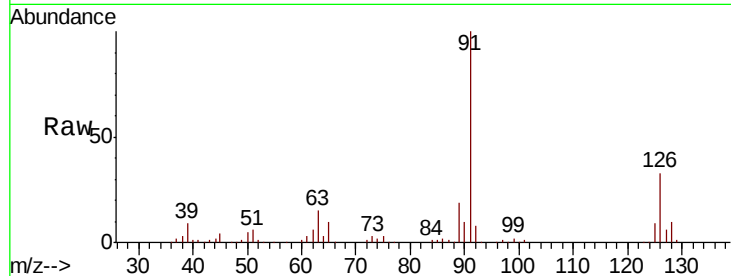
VN0416WBSD01

Tot Ion: 91 Resp: 270675

Ion Ratio Lower Upper

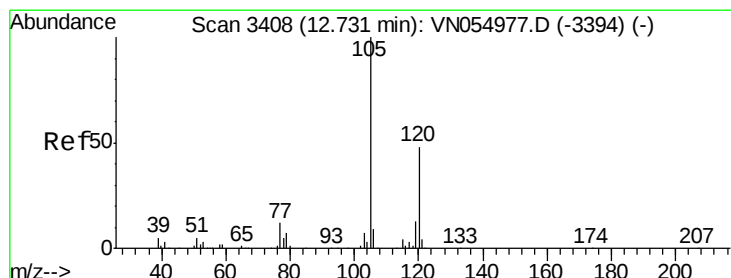
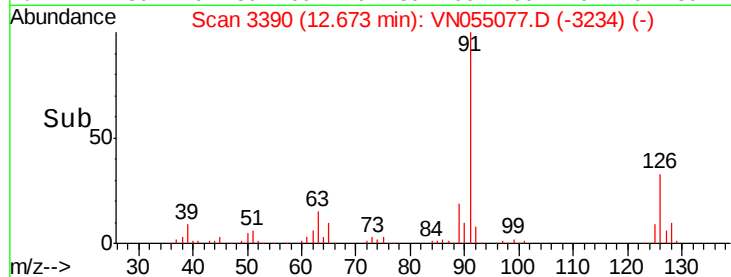
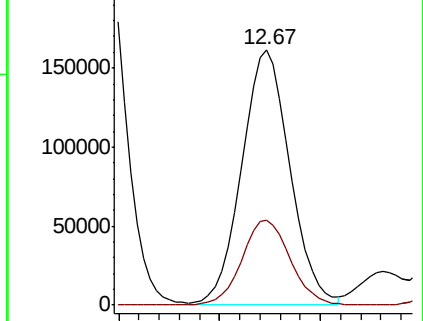
91 100

126 33.4 0.0 67.4



Abundance Ion 91.00 (90.70 to 91.70): VN054977.D (-3378) (-)

Ion 126.00 (125.70 to 126.70): VN054977.D (-3378) (-)



#76

1,3,5-Trimethylbenzene

Concen: 19.227 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055077.D

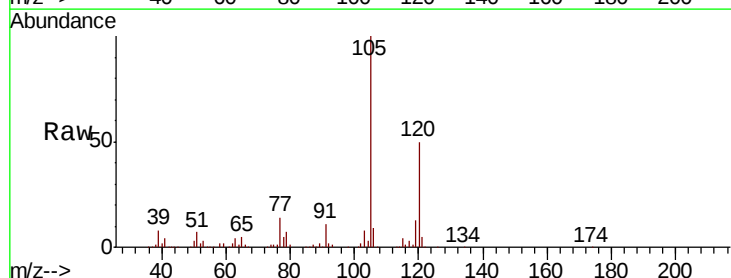
Acq: 16 Apr 2019 14:41

Tgt Ion: 105 Resp: 308156

Ion Ratio Lower Upper

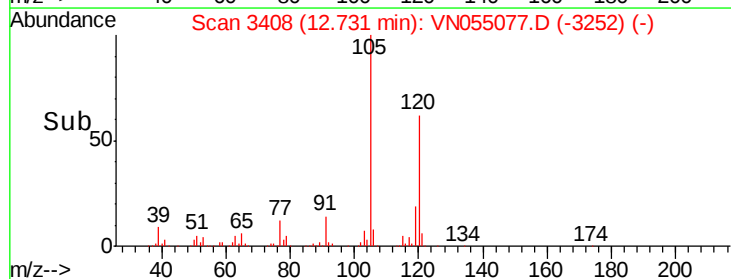
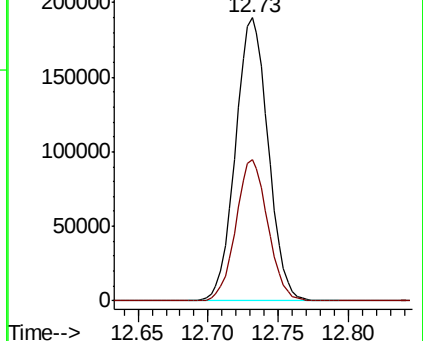
105 100

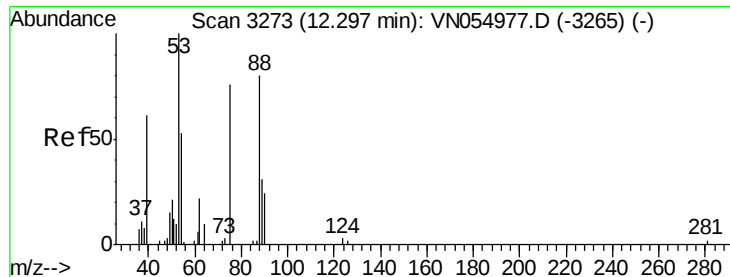
120 48.7 0.0 94.8



Abundance Ion 105.00 (104.70 to 105.70): VN054977.D (-3394) (-)

Ion 120.00 (119.70 to 120.70): VN054977.D (-3394) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 19.892 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055077.D

Acq: 16 Apr 2019 14:41

Instrument :

MSVOA_N

ClientSampleId :

VN0416WBSD01

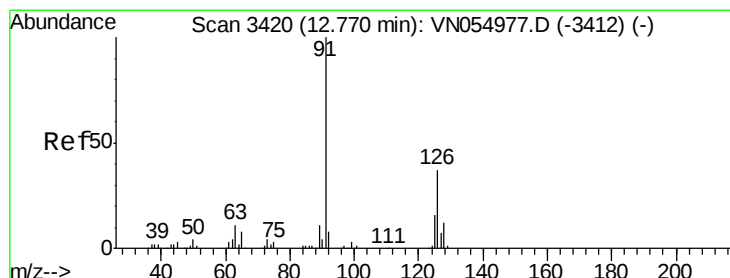
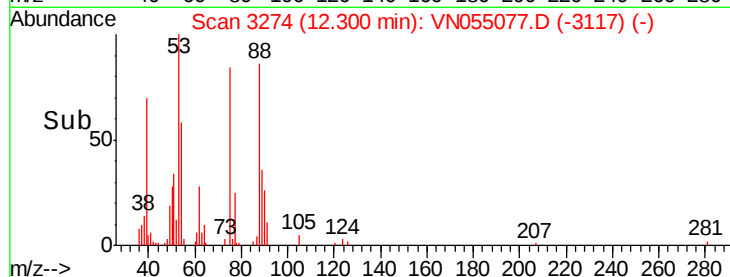
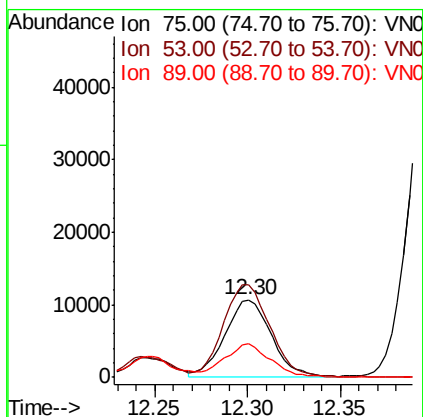
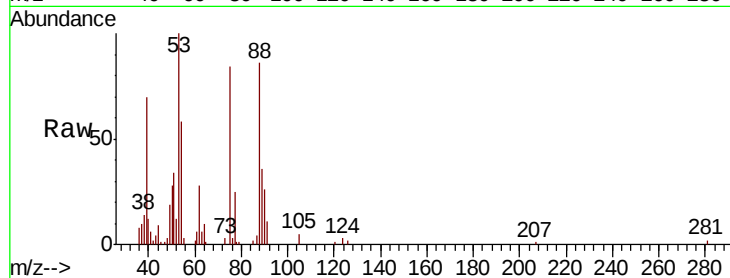
Tot Ion: 75 Resp: 18775

Ion Ratio Lower Upper

75 100

53 118.7 64.3 192.7

89 43.0 21.6 65.0



#78

4-Chlorotoluene

Concen: 19.703 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. 0.00 min

Lab File: VN055077.D

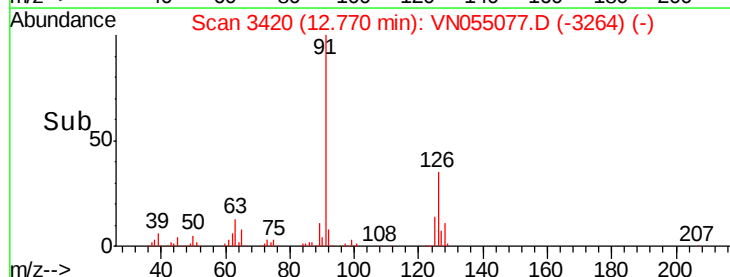
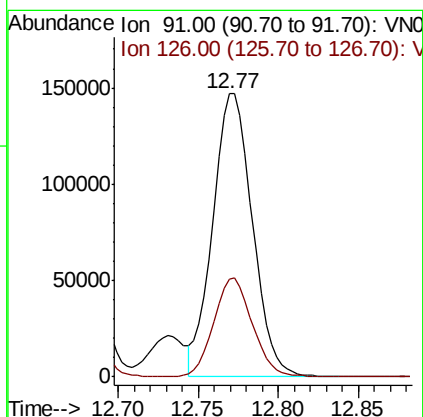
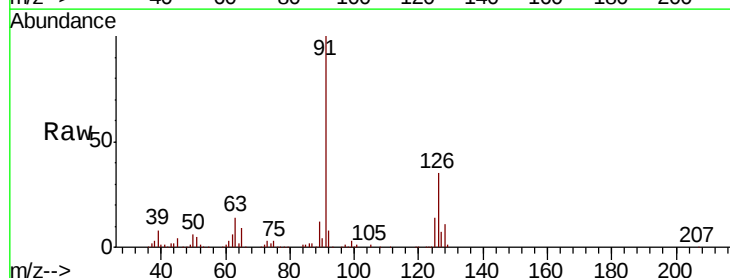
Acq: 16 Apr 2019 14:41

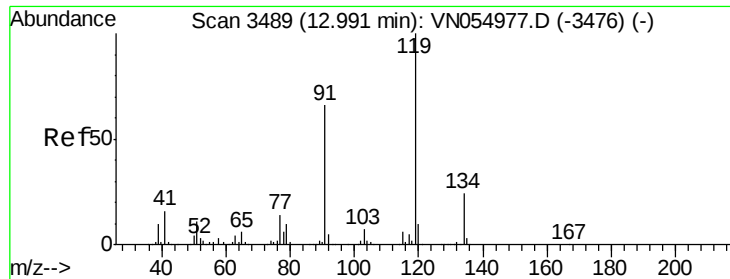
Tgt Ion: 91 Resp: 251283

Ion Ratio Lower Upper

91 100

126 34.1 0.0 66.6

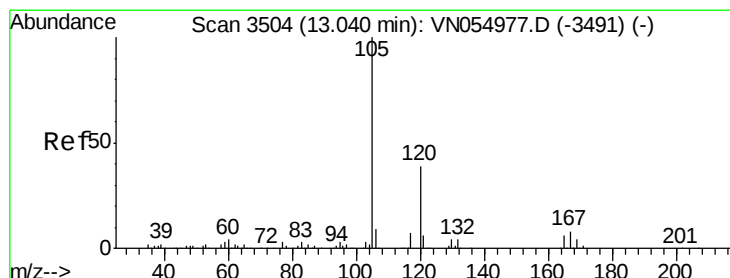
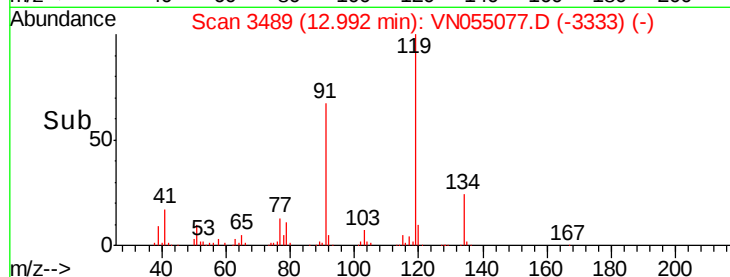
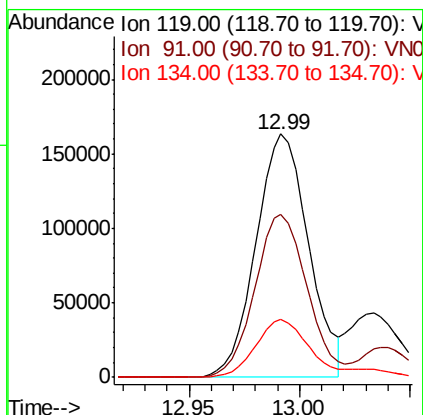
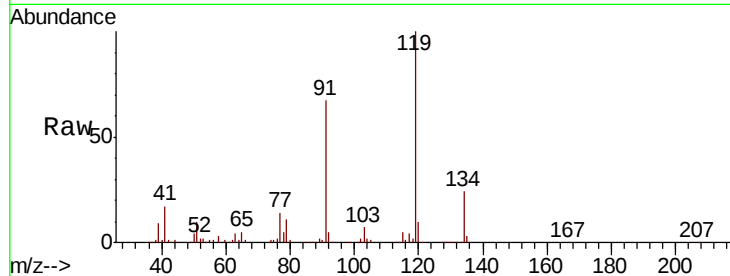




#79
tert-butylbenzene
Concen: 19.511 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN055077.D
Acq: 16 Apr 2019 14:41

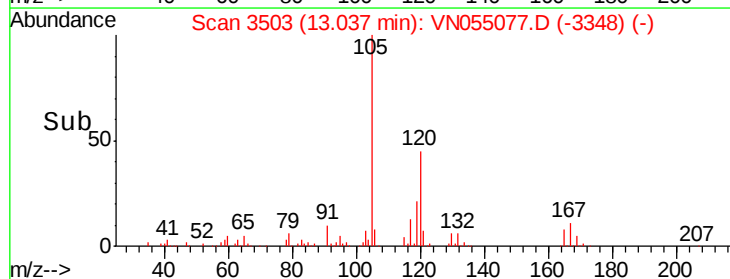
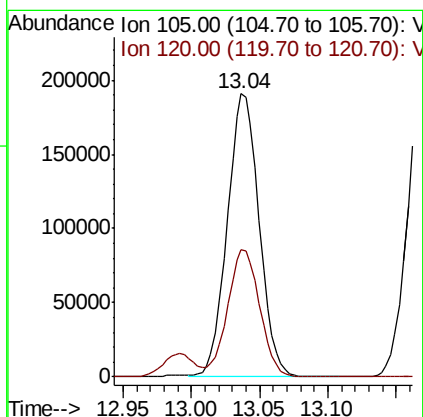
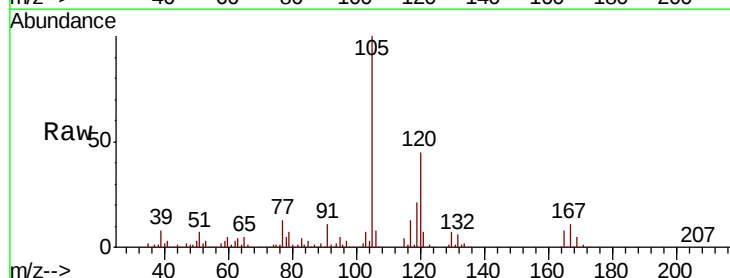
Instrument :
MSVOA_N
ClientSampleId :
VN0416WBSD01

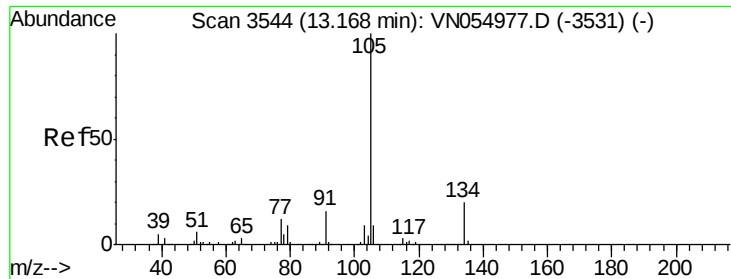
Tot Ion:119 Resp: 270571
Ion Ratio Lower Upper
119 100
91 66.5 0.0 132.6
134 23.8 0.0 47.6



#80
1,2,4-Trimethylbenzene
Concen: 19.626 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. -0.00 min
Lab File: VN055077.D
Acq: 16 Apr 2019 14:41

Tgt Ion:105 Resp: 308995
Ion Ratio Lower Upper
105 100
120 45.6 0.0 91.4





#81

sec-Butylbenzene

Concen: 18.915 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055077.D

Acq: 16 Apr 2019 14:41

Instrument :

MSVOA_N

ClientSampleId :

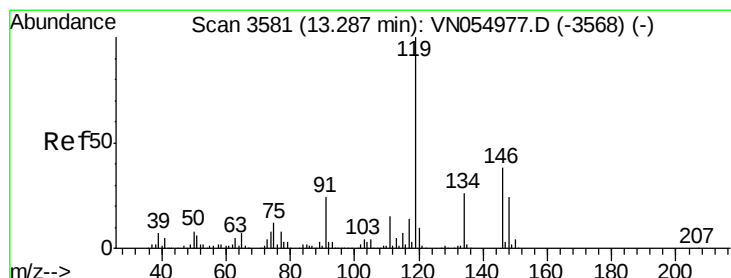
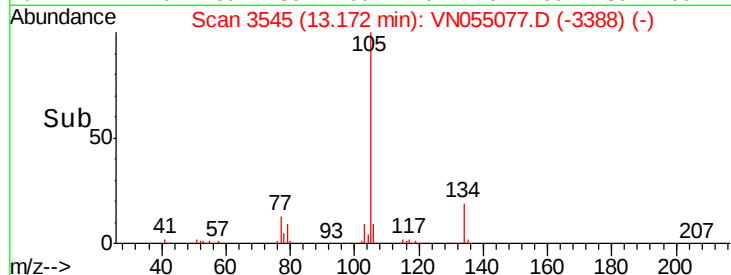
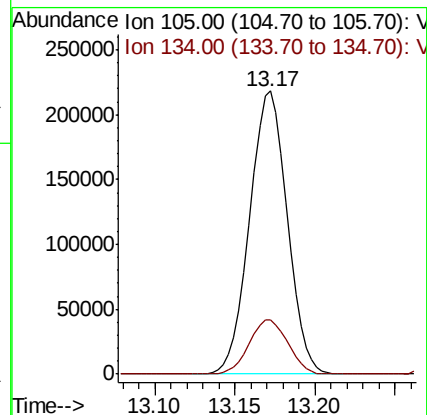
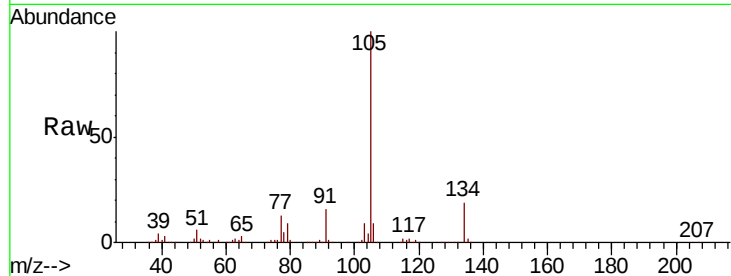
VN0416WBSD01

Tot Ion:105 Resp: 350485

Ion Ratio Lower Upper

105 100

134 19.7 0.0 40.0



#82

p-Isopropyltoluene

Concen: 18.916 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055077.D

Acq: 16 Apr 2019 14:41

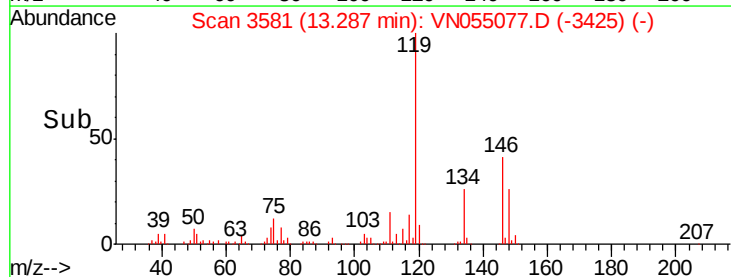
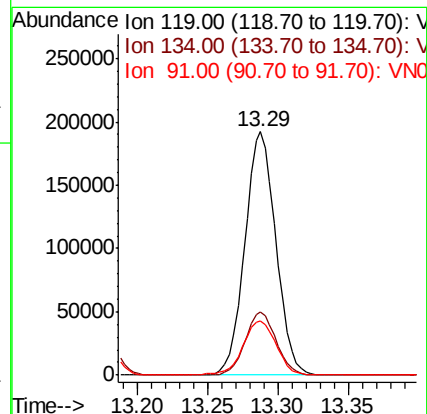
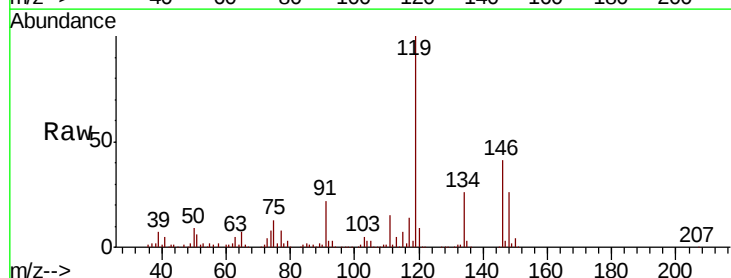
Tgt Ion:119 Resp: 295819

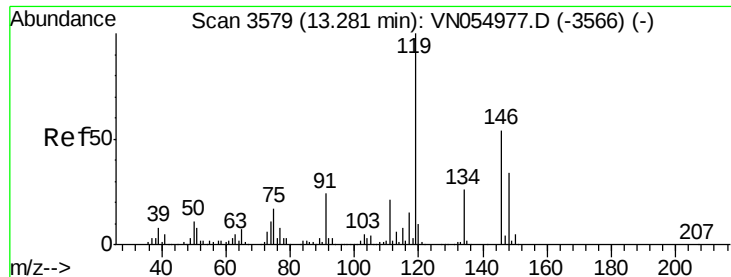
Ion Ratio Lower Upper

119 100

134 25.9 0.0 53.2

91 23.7 0.0 47.8

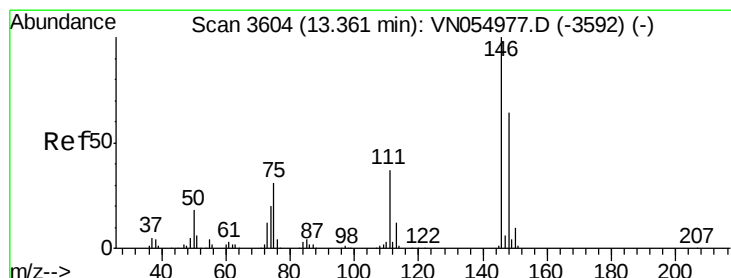
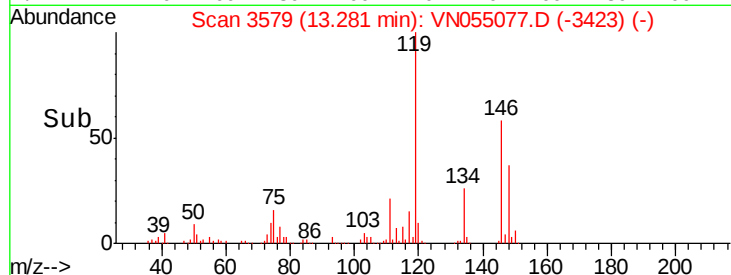
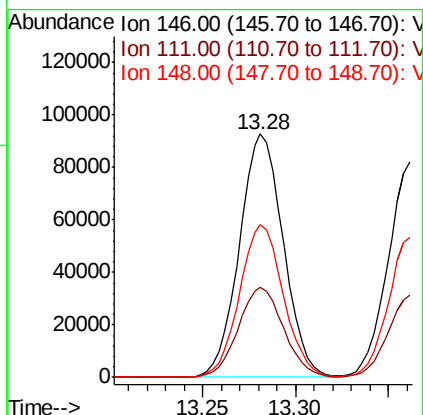
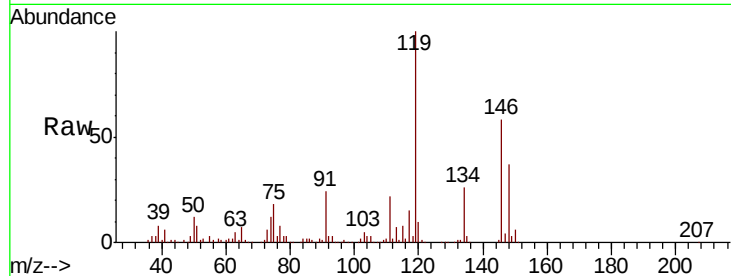




#83
 1,3-Dichlorobenzene
 Concen: 19.526 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055077.D
 Acq: 16 Apr 2019 14:41

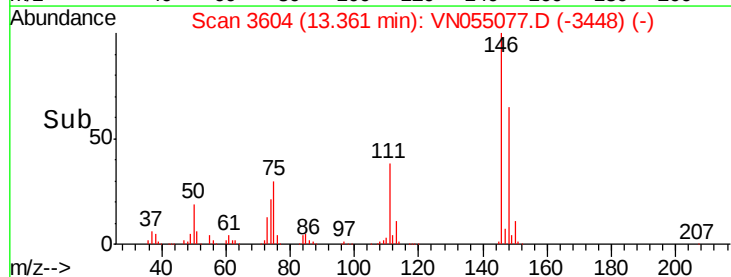
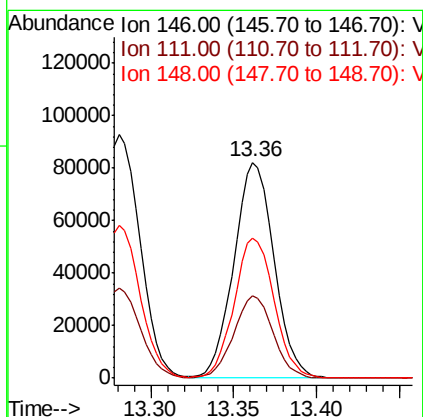
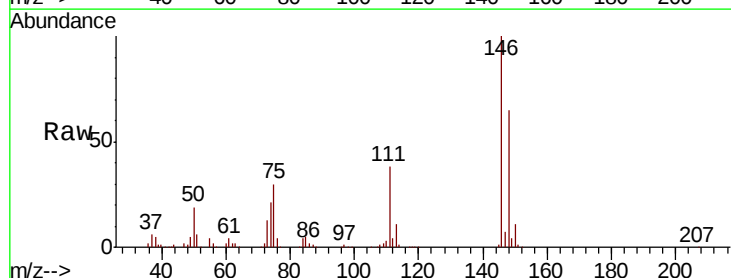
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0416WBSD01

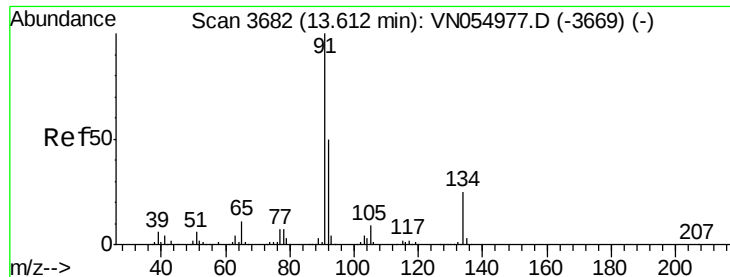
Tot Ion:146 Resp: 153065
 Ion Ratio Lower Upper
 146 100
 111 38.2 19.1 57.5
 148 62.7 31.9 95.5



#84
 1,4-Dichlorobenzene
 Concen: 18.597 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN055077.D
 Acq: 16 Apr 2019 14:41

Tgt Ion:146 Resp: 138530
 Ion Ratio Lower Upper
 146 100
 111 37.2 18.4 55.2
 148 64.7 32.5 97.4

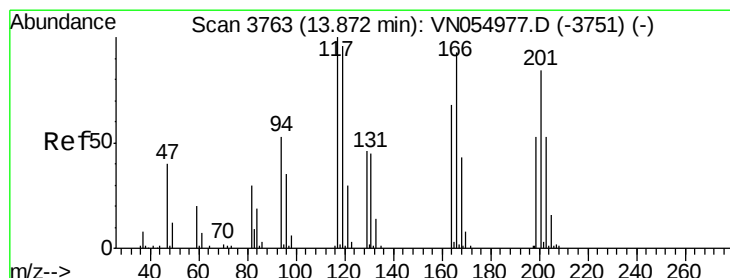
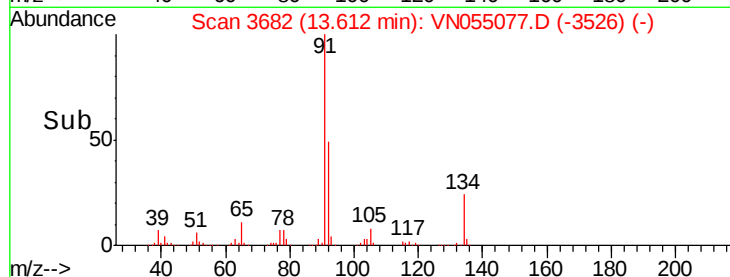
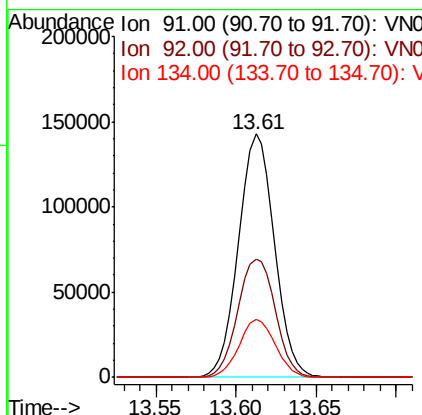
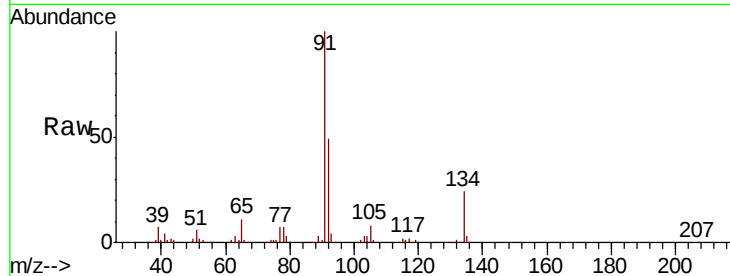




#85
n-Butylbenzene
Concen: 17.517 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055077.D
Acq: 16 Apr 2019 14:41

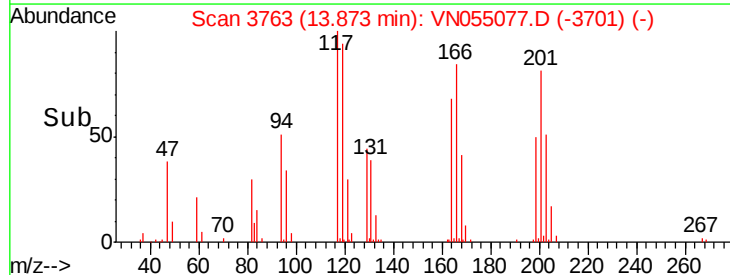
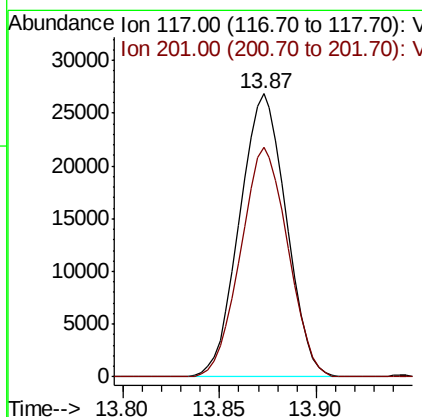
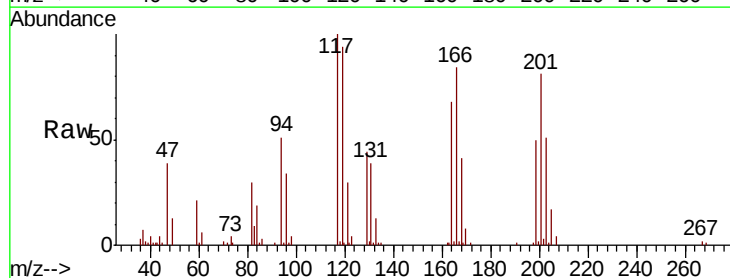
Instrument :
MSVOA_N
ClientSampleId :
VN0416WBSD01

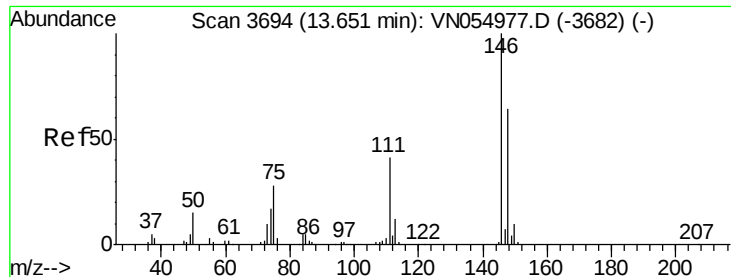
Tot Ion: 91 Resp: 218203
Ion Ratio Lower Upper
91 100
92 50.9 0.0 101.4
134 24.0 0.0 49.8



#86
Hexachloroethane
Concen: 17.991 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055077.D
Acq: 16 Apr 2019 14:41

Tgt Ion: 117 Resp: 45040
Ion Ratio Lower Upper
117 100
201 82.1 42.8 128.3





#87

1,2-Dichlorobenzene

Concen: 20.071 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN055077.D

Acq: 16 Apr 2019 14:41

Instrument :

MSVOA_N

ClientSampleId :

VN0416WBSD01

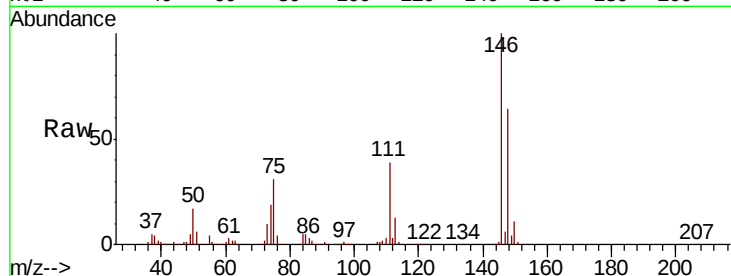
Tot Ion:146 Resp: 154082

Ion Ratio Lower Upper

146 100

111 39.6 20.3 60.8

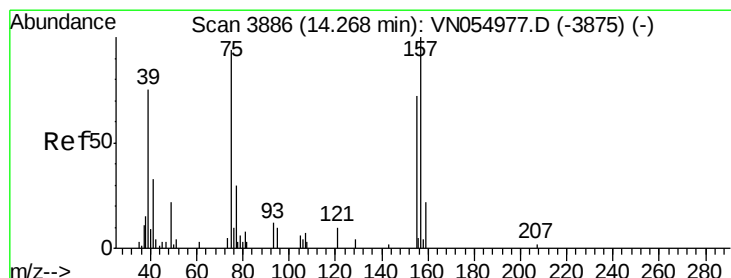
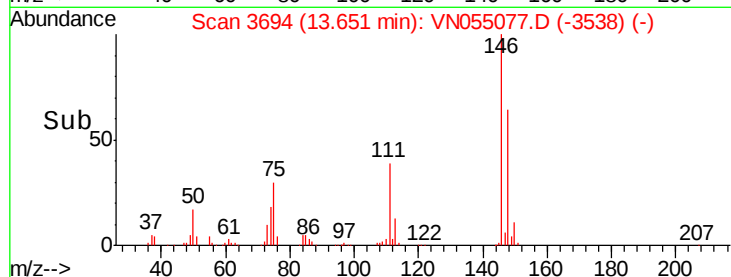
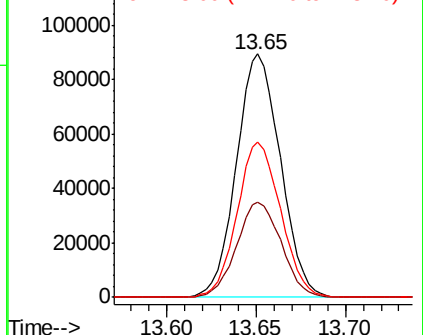
148 63.2 32.5 97.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,2-Dibromo-3-Chloropropane

Concen: 20.630 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN055077.D

Acq: 16 Apr 2019 14:41

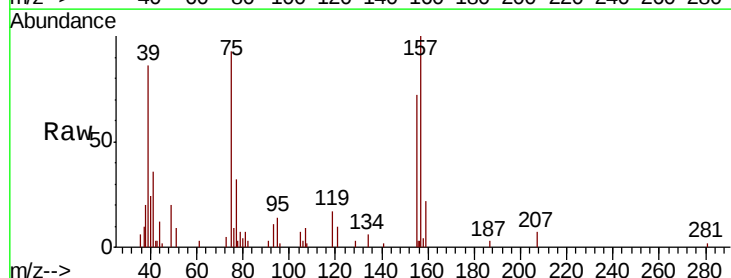
Tgt Ion: 75 Resp: 12432

Ion Ratio Lower Upper

75 100

155 85.9 61.8 92.8

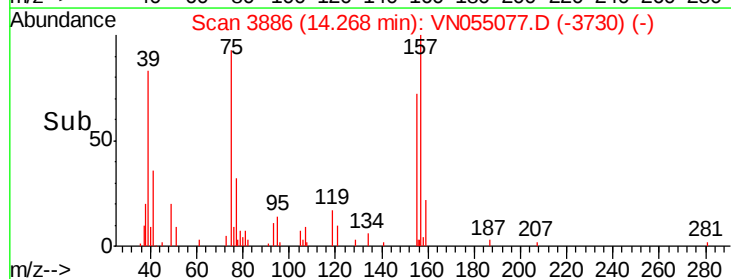
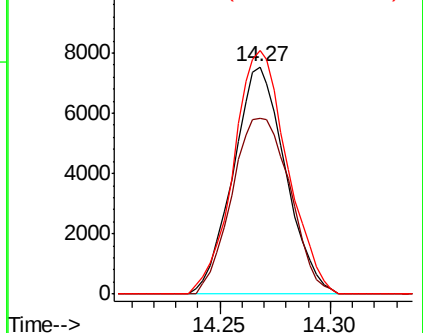
157 110.3 82.7 124.1

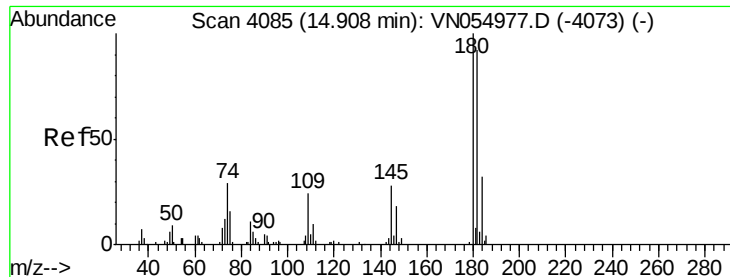


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

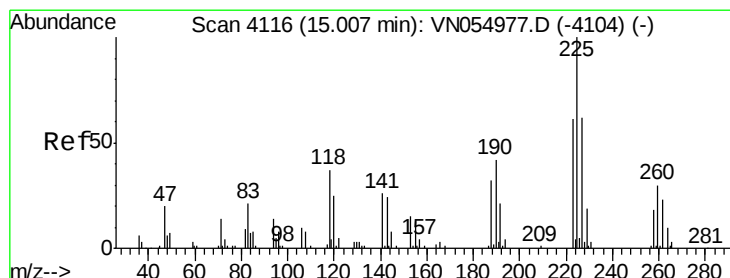
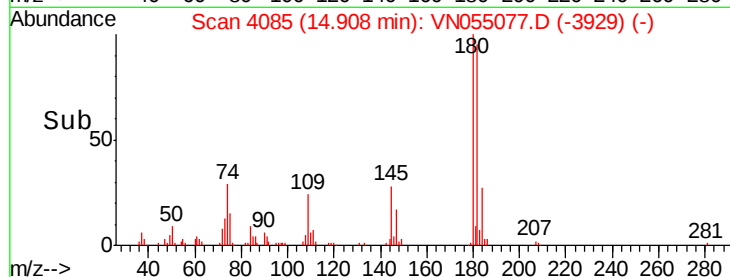
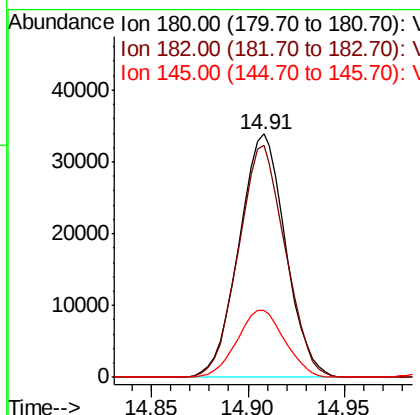
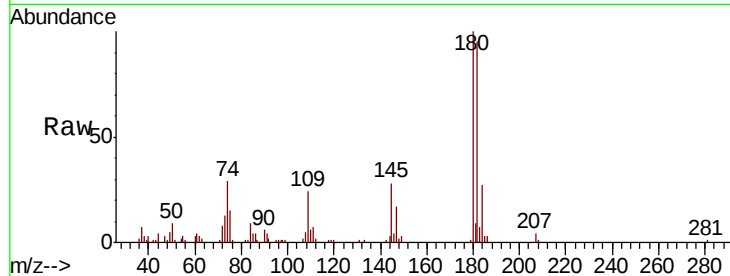




#89
 1,2,4-Trichlorobenzene
 Concen: 16.532 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055077.D
 Acq: 16 Apr 2019 14:41

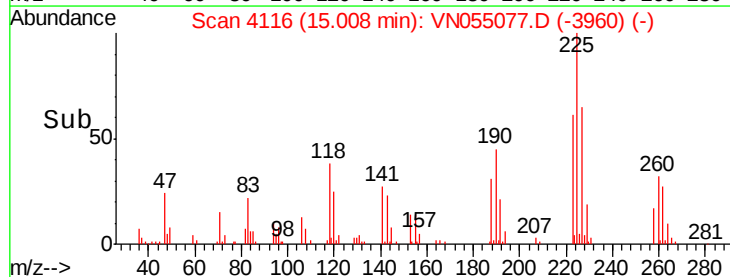
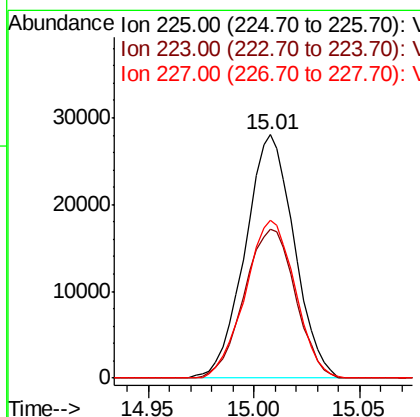
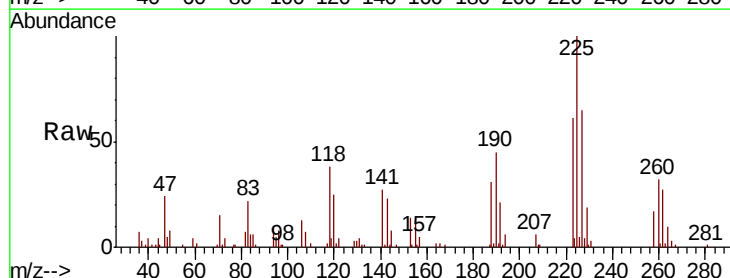
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0416WBSD01

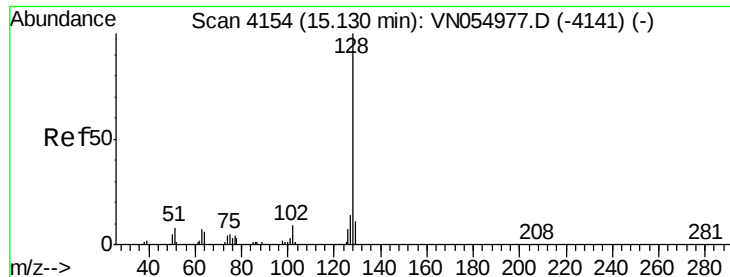
Tot Ion:180 Resp: 56741
 Ion Ratio Lower Upper
 180 100
 182 95.8 73.2 109.8
 145 28.2 23.2 34.8



#90
 Hexachlorobutadiene
 Concen: 18.084 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055077.D
 Acq: 16 Apr 2019 14:41

Tgt Ion:225 Resp: 45252
 Ion Ratio Lower Upper
 225 100
 223 64.1 0.0 126.0
 227 66.0 0.0 125.4

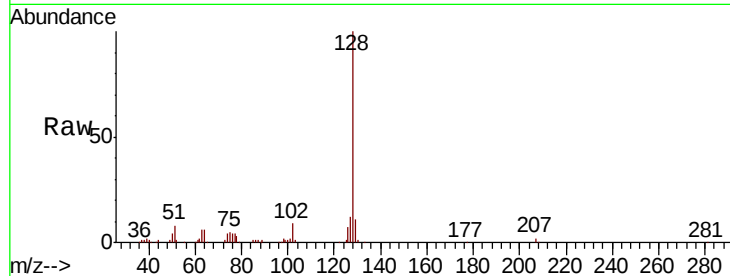




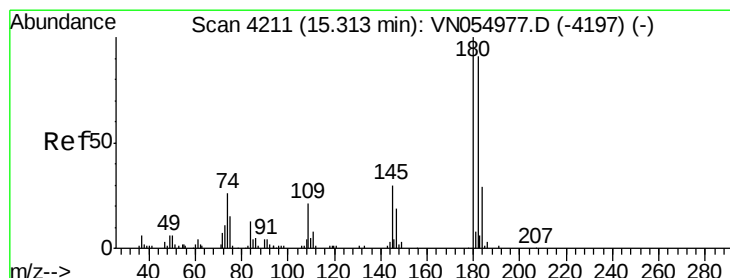
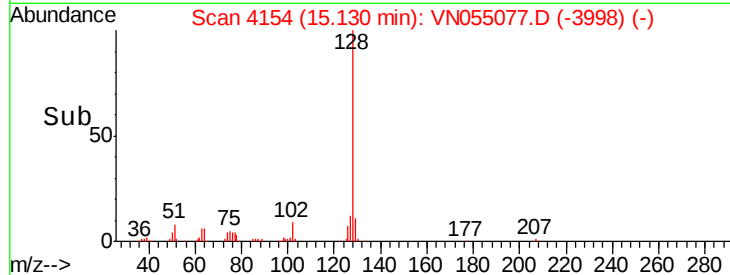
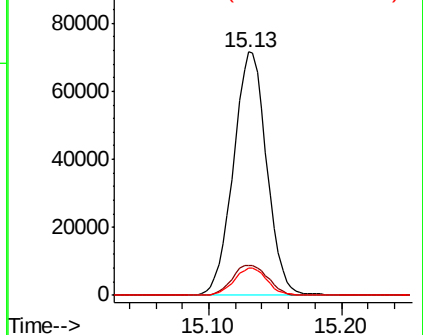
#91
Naphthalene
Concen: 17.328 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN055077.D
Acq: 16 Apr 2019 14:41

Instrument :
MSVOA_N
ClientSampleId :
VN0416WBSD01

Tot Ion:128 Resp: 124529
Ion Ratio Lower Upper
128 100
127 13.2 10.6 15.8
129 11.2 9.0 13.6

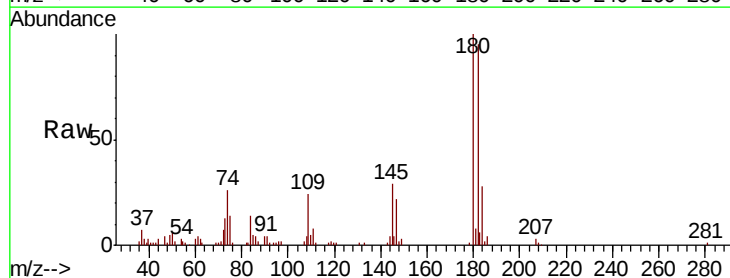


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#92
1,2,3-Trichlorobenzene
Concen: 17.345 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN055077.D
Acq: 16 Apr 2019 14:41

Tgt Ion:180 Resp: 59536
Ion Ratio Lower Upper
180 100
182 96.4 0.0 188.2
145 30.4 0.0 61.2



Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V

