

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031219\
 Data File : VN054168.D
 Acq On : 12 Mar 2019 17:23
 Operator : JC/SP
 Sample : VN0312WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0312WBS01

Quant Time: Mar 13 07:25:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 13 03:33:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	1462878	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	2230261	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1948259	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	924059	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	773935	49.82	ug/l	0.00
Spiked Amount			Recovery	=	99.64%	
35) Dibromofluoromethane	7.59	113	709483	49.32	ug/l	0.00
Spiked Amount			Recovery	=	98.64%	
50) Toluene-d8	10.09	98	2577486	48.52	ug/l	0.00
Spiked Amount			Recovery	=	97.04%	
62) 4-Bromofluorobenzene	12.40	95	888008	47.77	ug/l	0.00
Spiked Amount			Recovery	=	95.54%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	297436	21.453	ug/l	100
3) Chloromethane	2.06	50	287861	21.375	ug/l	100
4) Vinyl Chloride	2.18	62	311492	20.236	ug/l	100
5) Bromomethane	2.57	94	217377	20.390	ug/l	96
6) Chloroethane	2.71	64	183204	19.671	ug/l	100
7) Trichlorofluoromethane	3.02	101	403466	19.715	ug/l	100
8) Diethyl Ether	3.41	74	198782	21.315	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.75	101	327824	21.376	ug/l	98
10) Methyl Iodide	3.94	142	378412	18.352	ug/l	98
11) Tert butyl alcohol	4.82	59	110531	103.780	ug/l #	87
12) 1,1-Dichloroethene	3.73	96	324618	21.360	ug/l	98
13) Acrolein	3.61	56	50342	49.882	ug/l	97
14) Allyl chloride	4.31	41	404249	20.732	ug/l	98
15) Acrylonitrile	4.99	53	459334	104.993	ug/l	99
16) Acetone	3.82	43	393724	88.512	ug/l	99
17) Carbon Disulfide	4.04	76	788450	20.695	ug/l	99
18) Methyl Acetate	4.33	43	193281	21.477	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	807362	21.432	ug/l	100
20) Methylene Chloride	4.54	84	305930	20.945	ug/l	98
21) trans-1,2-Dichloroethene	5.03	96	305333	20.969	ug/l	97
22) Diisopropyl ether	5.96	45	807351	20.746	ug/l	99
23) Vinyl Acetate	5.90	43	2985582	104.050	ug/l	100
24) 1,1-Dichloroethane	5.85	63	520457	20.828	ug/l	99
25) 2-Butanone	6.85	43	530372	101.587	ug/l	99
26) 2,2-Dichloropropane	6.82	77	443512	20.183	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	347094	21.366	ug/l	98
28) Bromochloromethane	7.19	49	206072	20.173	ug/l	97
29) Tetrahydrofuran	7.22	42	344015	102.482	ug/l	99
30) Chloroform	7.37	83	552261	21.180	ug/l	99
31) Cyclohexane	7.65	56	483541	19.961	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	488301	20.736	ug/l	99
36) 1,1-Dichloropropene	7.79	75	418656	20.384	ug/l	99
37) Ethyl Acetate	6.94	43	238306	20.193	ug/l	98
38) Carbon Tetrachloride	7.77	117	427031	19.826	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	515568	20.402	ug/l	99
40) Benzene	8.04	78	1207882	20.551	ug/l	99
41) Methacrylonitrile	7.17	41	115838	17.191	ug/l	87
42) 1,2-Dichloroethane	8.13	62	407675	20.545	ug/l	99
43) Isopropyl Acetate	8.17	43	414267	19.999	ug/l	100
44) Trichloroethene	8.84	130	380018	20.814	ug/l	100
45) 1,2-Dichloropropane	9.12	63	301397	20.652	ug/l	98
46) Dibromomethane	9.21	93	202602	20.547	ug/l	99
47) Bromodichloromethane	9.40	83	404476	20.461	ug/l	98
48) Methyl methacrylate	9.20	41	216115	20.558	ug/l	99
49) 1,4-Dioxane	9.21	88	58722	394.914	ug/l	94
51) 4-Methyl-2-Pentanone	9.99	43	1106489	100.936	ug/l	100
52) Toluene	10.16	92	775034	20.797	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	398774	18.923	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	468105	20.321	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	283135	20.807	ug/l	98
56) Ethyl methacrylate	10.43	69	324528	20.002	ug/l	99
57) 1,3-Dichloropropane	10.71	76	460096	20.678	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	599168	96.218	ug/l	99
59) 2-Hexanone	10.75	43	707313	96.968	ug/l	99
60) Dibromochloromethane	10.90	129	306905	20.038	ug/l	100
61) 1,2-Dibromoethane	11.01	107	287158	20.766	ug/l	100
64) Tetrachloroethene	10.63	164	392930	20.860	ug/l	99
65) Chlorobenzene	11.44	112	889655	20.797	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	320044	20.594	ug/l	99
67) Ethyl Benzene	11.51	91	1451416	20.468	ug/l	99
68) m/p-Xylenes	11.62	106	1140033	41.133	ug/l	99
69) o-Xylene	11.95	106	563615	20.860	ug/l	99
70) Styrene	11.96	104	879313	20.751	ug/l	100
71) Bromoform	12.13	173	201408	18.553	ug/l #	99
73) Isopropylbenzene	12.25	105	1492754	20.191	ug/l	100
74) N-amyl acetate	12.07	43	319332	19.459	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	311995	19.808	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	386698	28.457	ug/l #	100
77) Bromobenzene	12.53	156	393705	20.125	ug/l	98
78) n-propylbenzene	12.59	91	1633686	20.365	ug/l	100
79) 2-Chlorotoluene	12.67	91	972111	20.154	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1234635	20.077	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	71052	17.874	ug/l	95
82) 4-Chlorotoluene	12.77	91	971053	20.162	ug/l	100
83) tert-Butylbenzene	12.99	119	1138905	20.121	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1242502	20.595	ug/l	100
85) sec-Butylbenzene	13.17	105	1492438	20.332	ug/l	99
86) p-Isopropyltoluene	13.29	119	1302626	20.228	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	681180	20.664	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	659108	20.353	ug/l	99
89) n-Butylbenzene	13.62	91	1007069	20.582	ug/l	100
90) Hexachloroethane	13.88	117	198868	18.650	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	667038	20.699	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	48524	19.908	ug/l	98

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Quant Title : SW846 8260
QLast Update : Wed Mar 13 03:33:31 2019
Response via : Initial Calibration

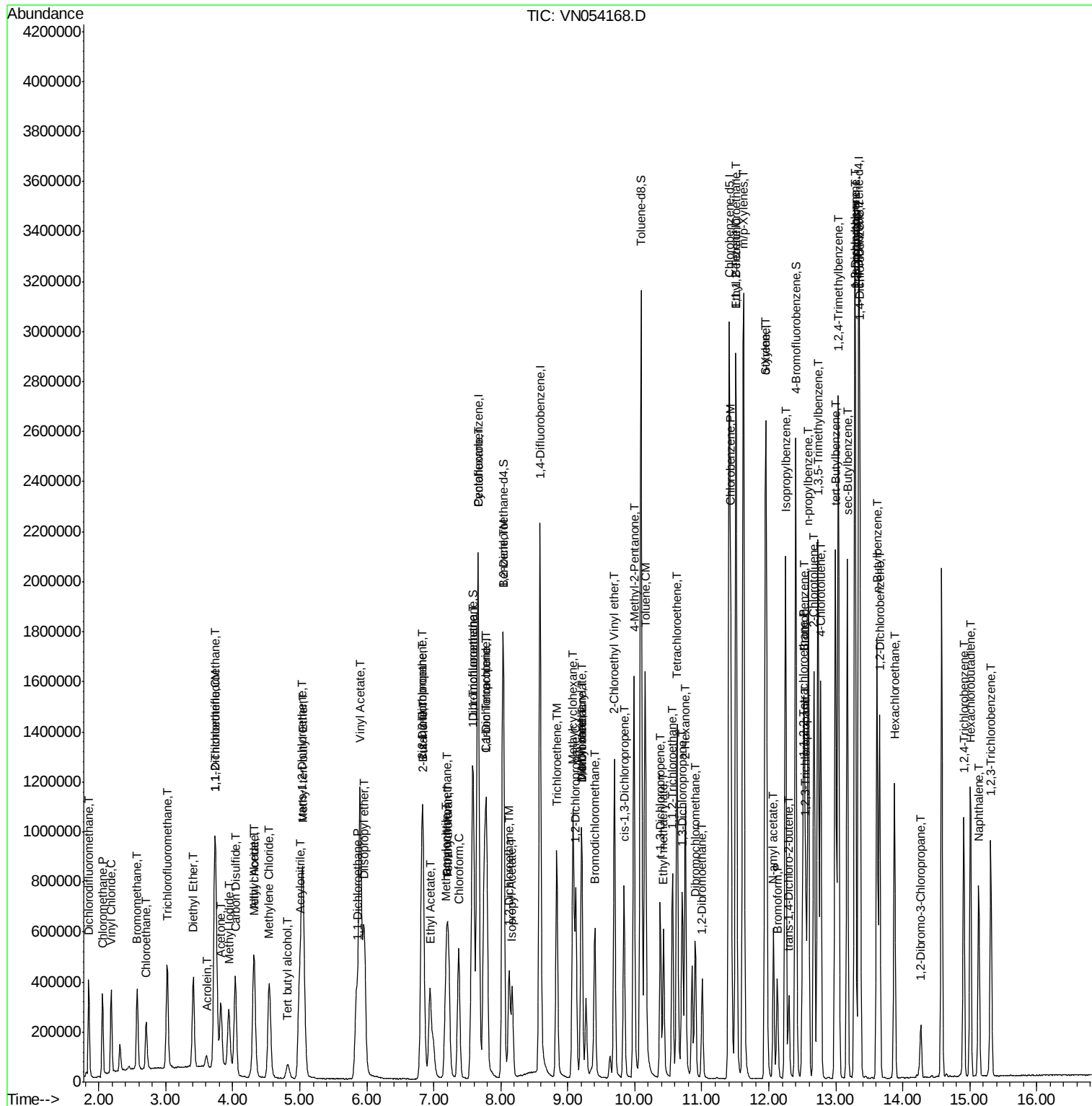
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	360378	20.107	ug/l	99
94) Hexachlorobutadiene	15.01	225	256335	20.883	ug/l	100
95) Naphthalene	15.13	128	699947	19.541	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	366296	21.393	ug/l	99

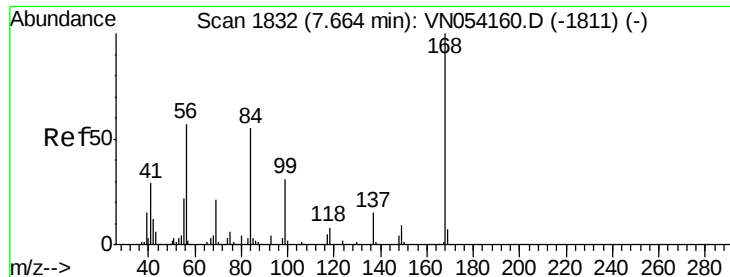
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Mar 13 07:25:43 2019
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Quant Title : SW846 8260
QLast Update : Wed Mar 13 03:33:31 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN054168.D

Acq: 12 Mar 2019 17:23

Instrument :

MSVOA_N

ClientSampleId :

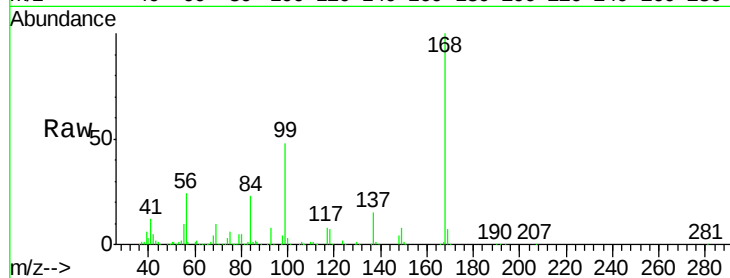
VN0312WBS01

Tot Ion:168 Resp: 1462878

Ion Ratio Lower Upper

168 100

99 47.5 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

600000

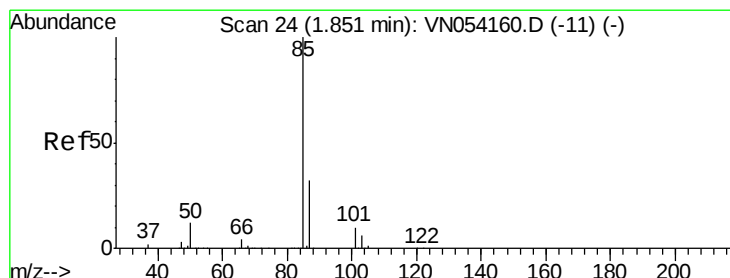
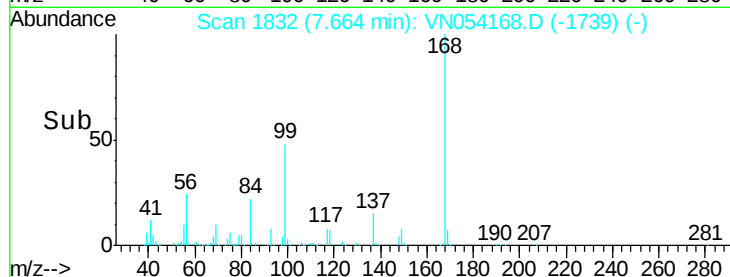
400000

200000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 21.453 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN054168.D

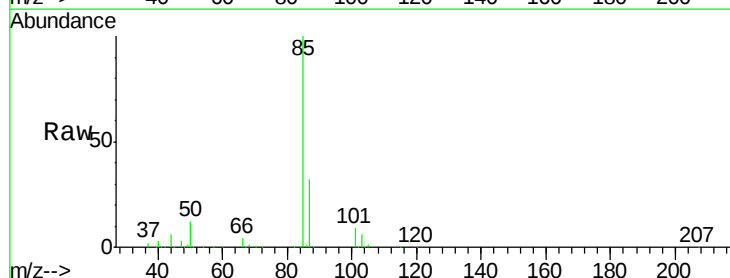
Acq: 12 Mar 2019 17:23

Tgt Ion: 85 Resp: 297436

Ion Ratio Lower Upper

85 100

87 31.7 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

250000

200000

150000

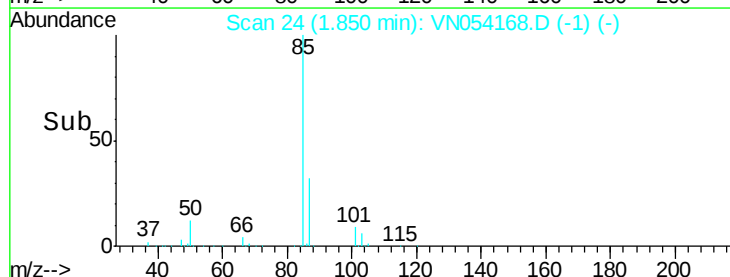
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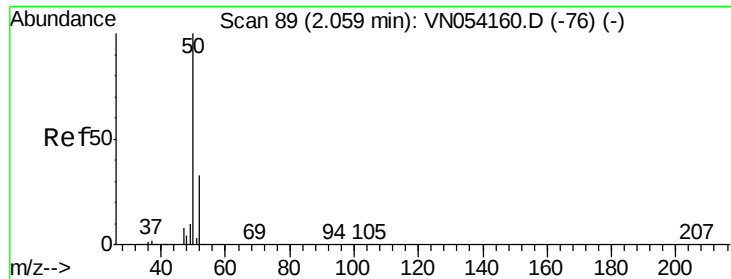
50000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 21.375 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN054168.D

Acq: 12 Mar 2019 17:23

Instrument :

MSVOA_N

ClientSampleId :

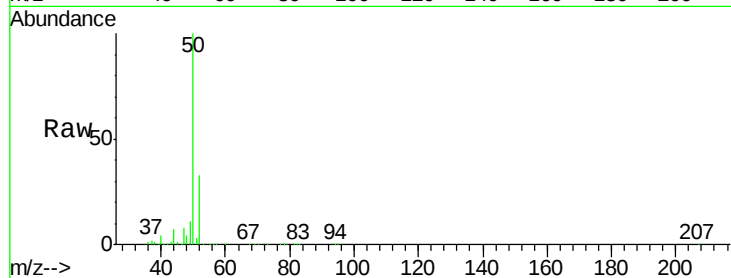
VN0312WBS01

Tot Ion: 50 Resp: 287861

Ion Ratio Lower Upper

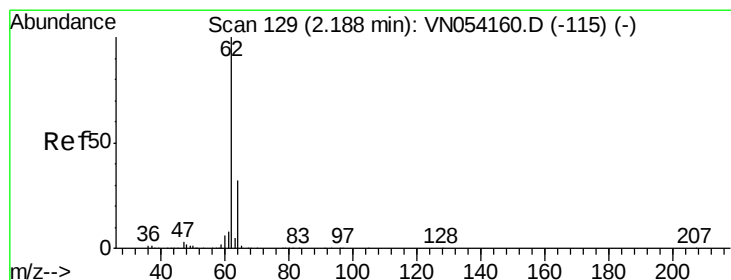
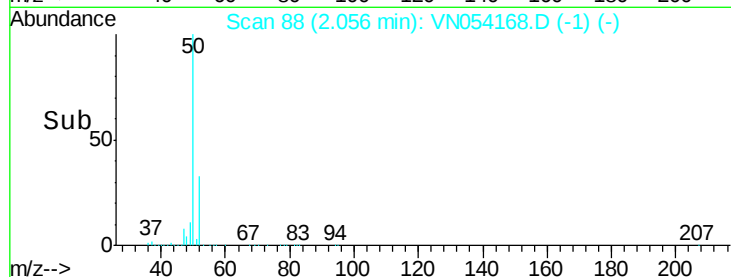
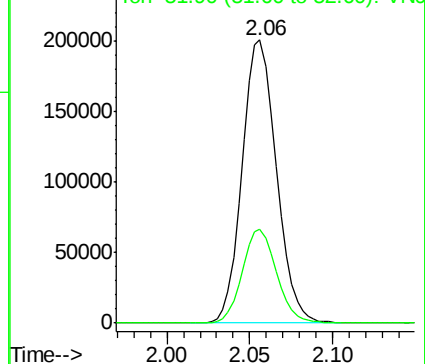
50 100

52 33.2 26.4 39.6



Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 20.236 ug/l

RT: 2.18 min Scan# 128

Delta R.T. -0.00 min

Lab File: VN054168.D

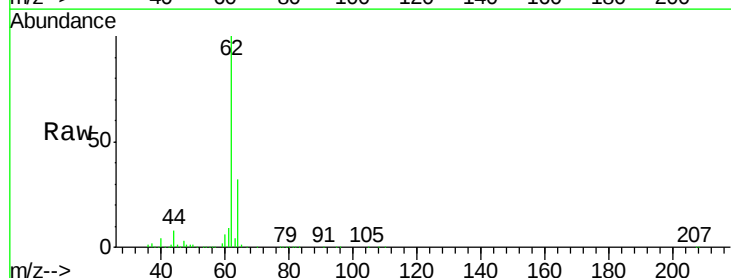
Acq: 12 Mar 2019 17:23

Tgt Ion: 62 Resp: 311492

Ion Ratio Lower Upper

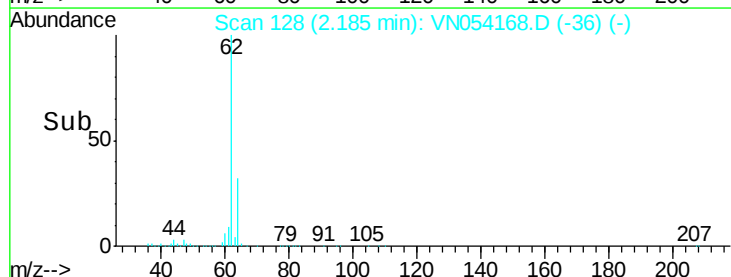
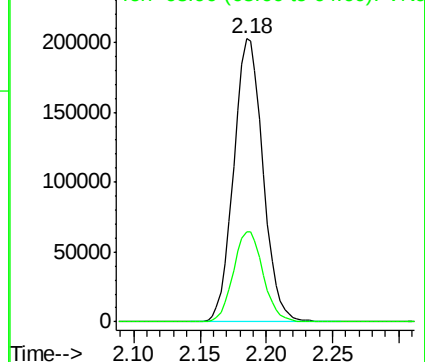
62 100

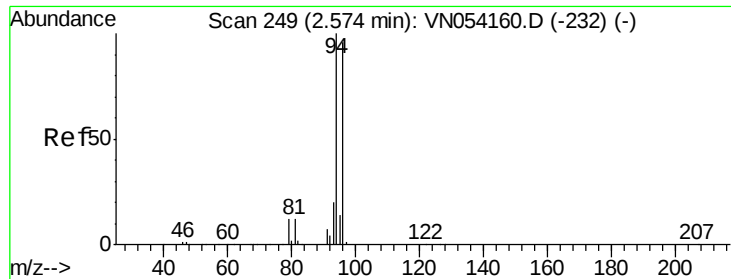
64 32.0 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC





#5

Bromomethane

Concen: 20.390 ug/l

RT: 2.57 min Scan# 249

Delta R.T. -0.00 min

Lab File: VN054168.D

Acq: 12 Mar 2019 17:23

Instrument :

MSVOA_N

ClientSampled :

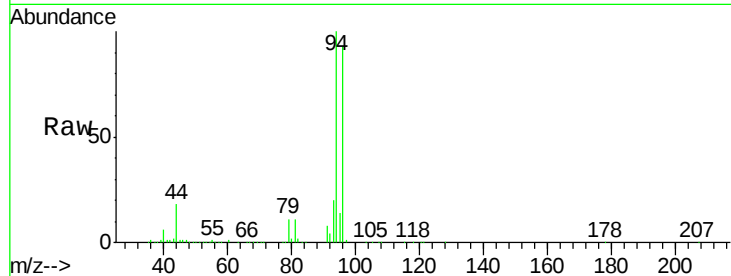
VN0312WBS01

Tot Ion: 94 Resp: 217377

Ion Ratio Lower Upper

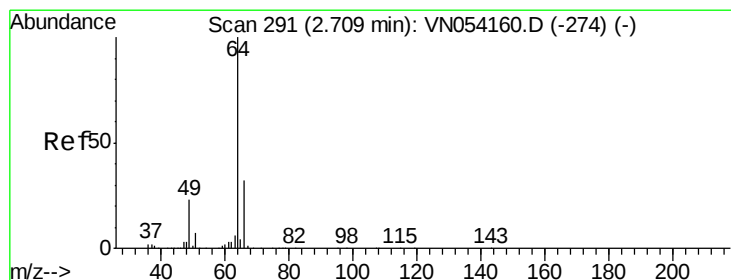
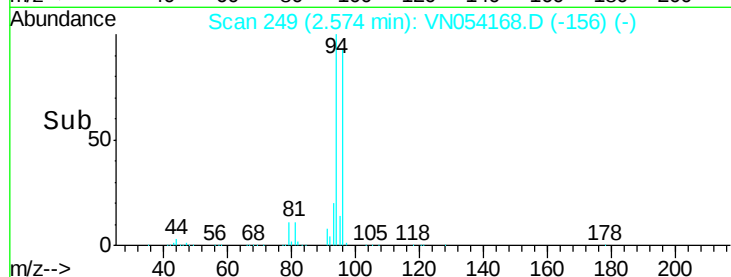
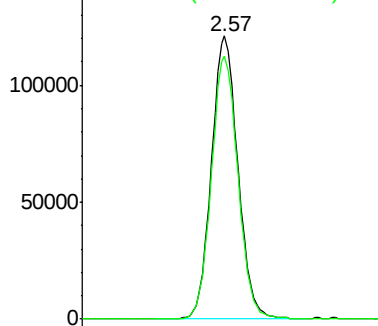
94 100

96 92.8 77.0 115.4



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 19.671 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN054168.D

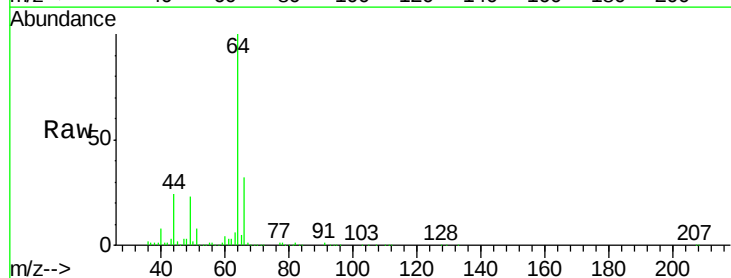
Acq: 12 Mar 2019 17:23

Tgt Ion: 64 Resp: 183204

Ion Ratio Lower Upper

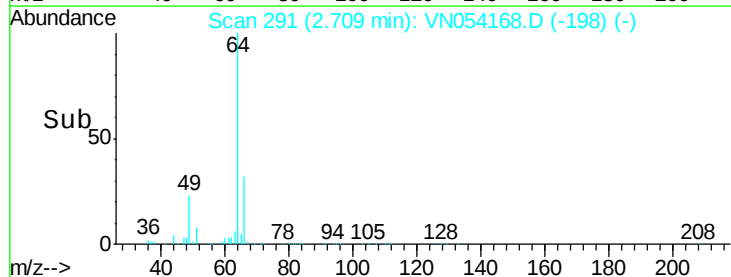
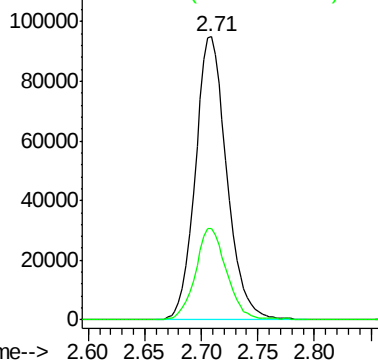
64 100

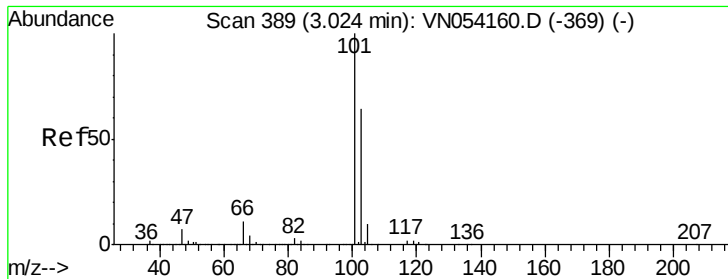
66 32.2 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



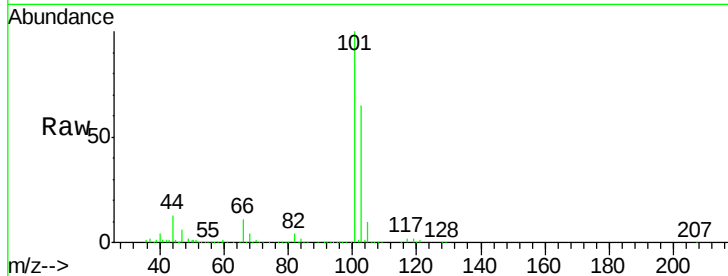


#7

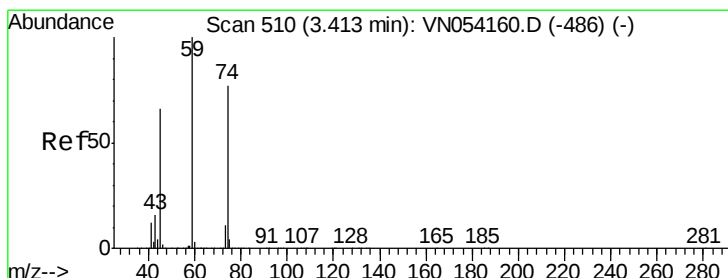
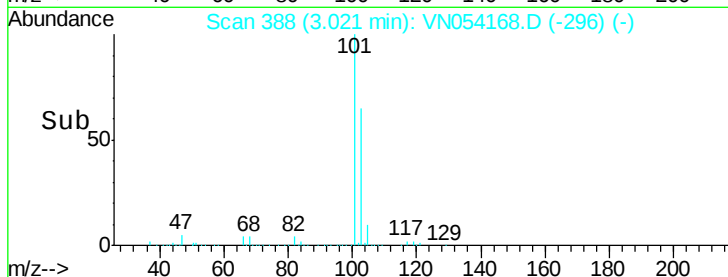
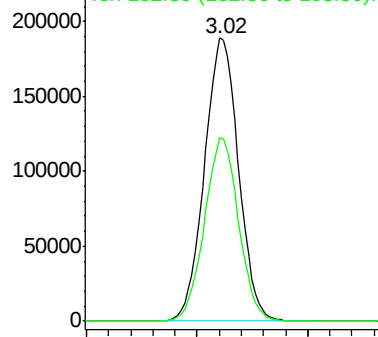
Trichlorofluoromethane
 Concen: 19.715 ug/l
 RT: 3.02 min Scan# 388
 Delta R.T. -0.00 min
 Lab File: VN054168.D
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Instrument :
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Tot Ion:101 Resp: 403466
 Ion Ratio Lower Upper
 101 100
 103 64.6 51.4 77.2



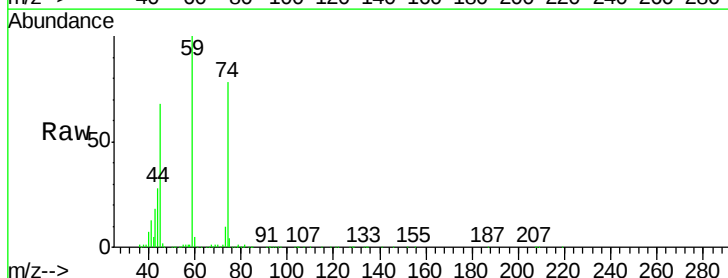
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



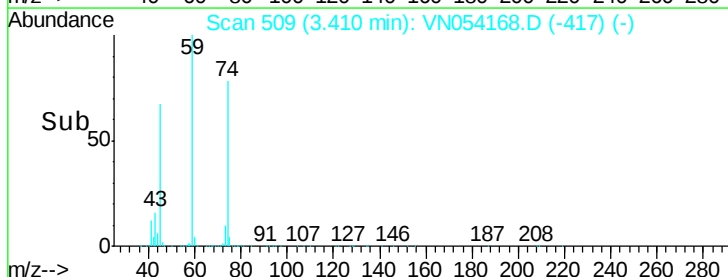
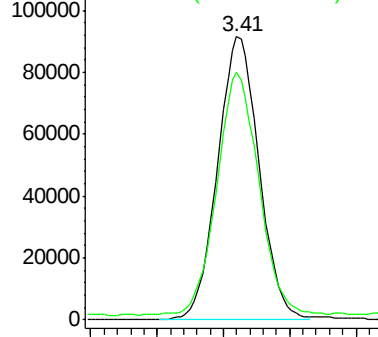
#8

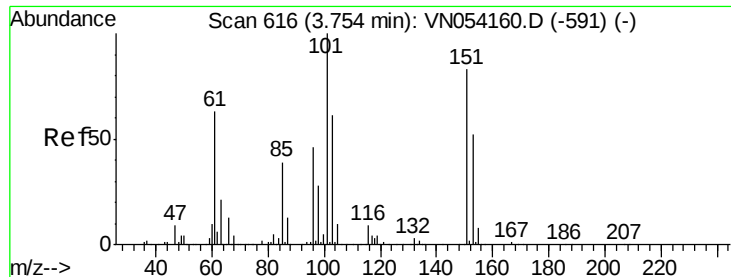
Diethyl Ether
 Concen: 21.315 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN054168.D
 Acq: 12 Mar 2019 17:23

Tgt Ion: 74 Resp: 198782
 Ion Ratio Lower Upper
 74 100
 45 86.6 43.1 129.4



Abundance Ion 74.00 (73.70 to 74.70): VNO
 Ion 45.00 (44.70 to 45.70): VNO





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.376 ug/l

RT: 3.75 min Scan# 614

Delta R.T. -0.01 min

Lab File: VN054168.D

Acq: 12 Mar 2019 17:23

Instrument :

MSVOA_N

ClientSampled :

VN0312WBS01

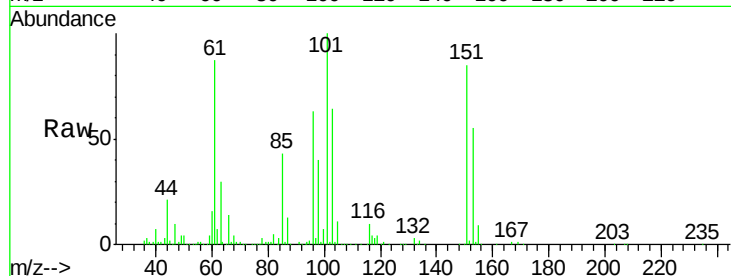
Tot Ion:101 Resp: 327824

Ion Ratio Lower Upper

101 100

85 41.5 32.4 48.6

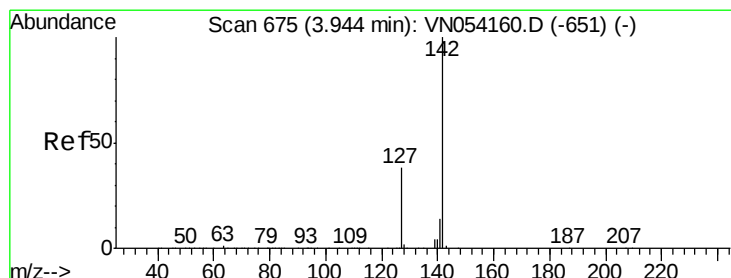
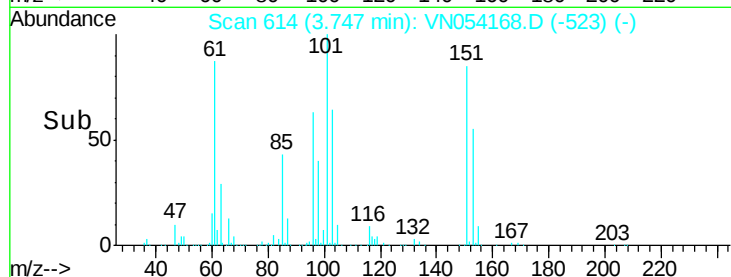
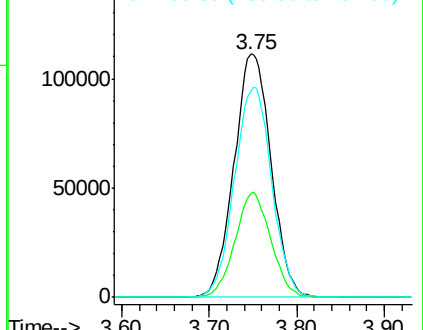
151 86.8 68.2 102.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.352 ug/l

RT: 3.94 min Scan# 674

Delta R.T. -0.00 min

Lab File: VN054168.D

Acq: 12 Mar 2019 17:23

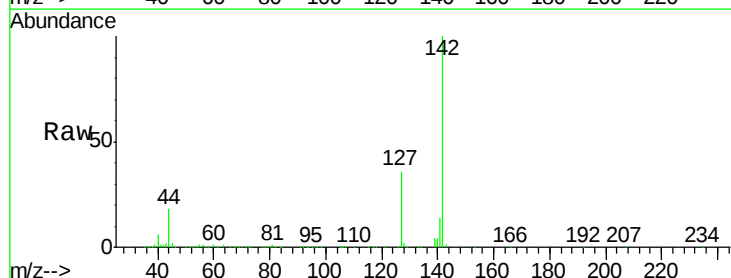
Tgt Ion:142 Resp: 378412

Ion Ratio Lower Upper

142 100

127 36.6 30.3 45.5

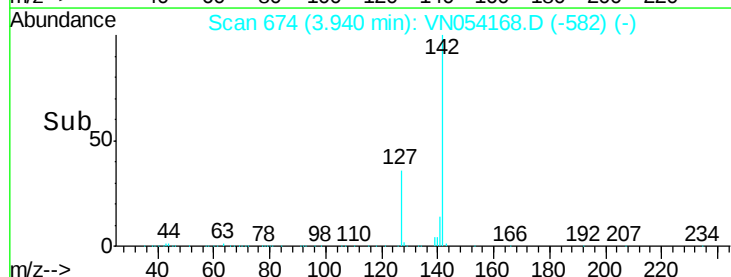
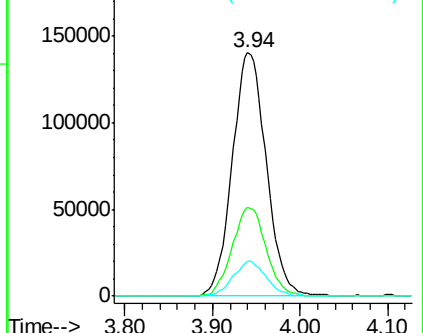
141 13.9 11.2 16.8

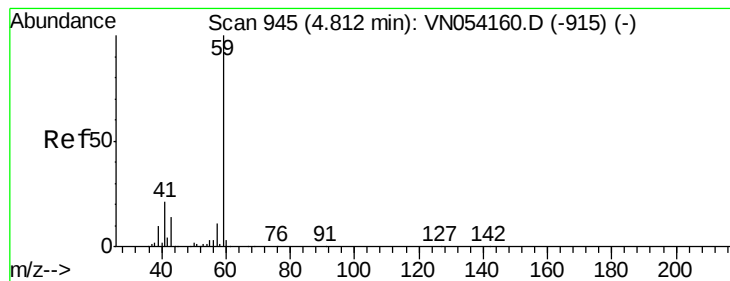


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



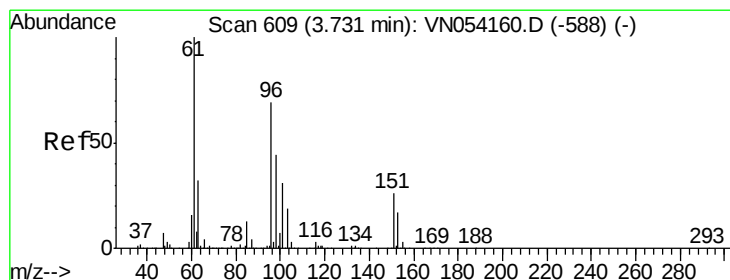
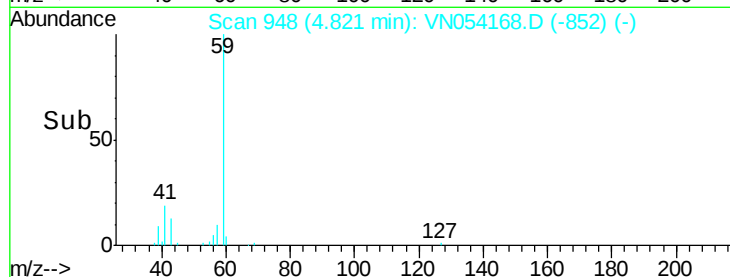
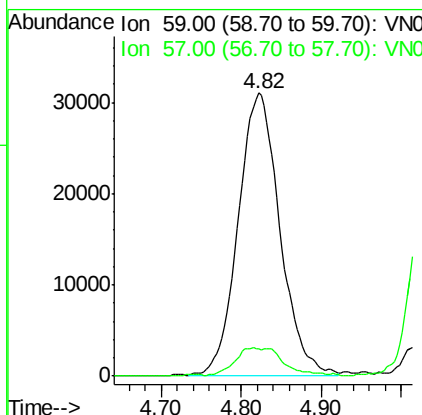
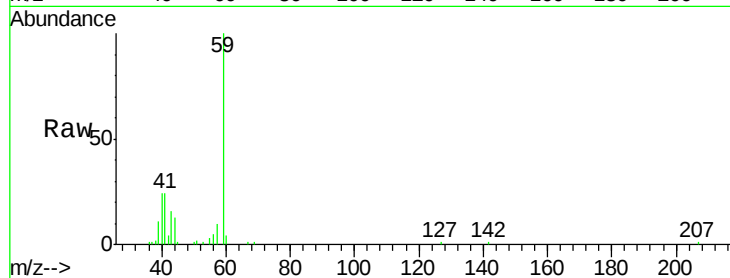


#11

Tert butyl alcohol
 Concen: 103.780 ug/l
 RT: 4.82 min Scan# 948
 Delta R.T. 0.01 min
 Lab File: VN054168.D
 Acq: 12 Mar 2019 17:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0312WBS01

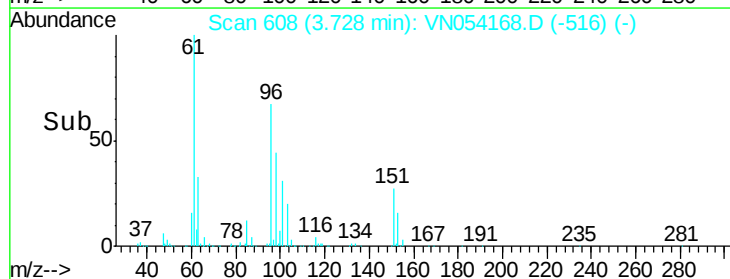
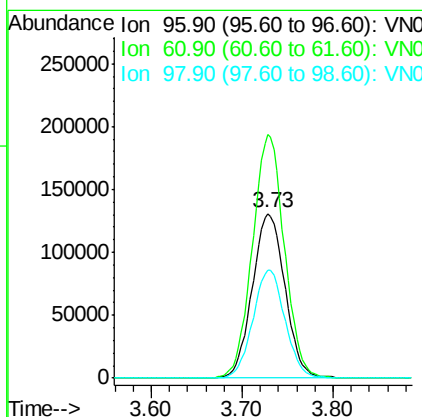
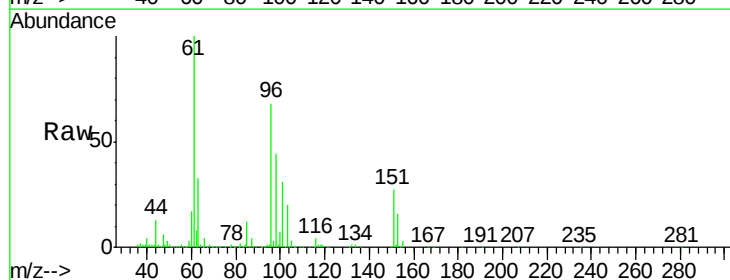
Tot Ion: 59 Resp: 110531
 Ion Ratio Lower Upper
 59 100
 57 6.2 9.0 13.6#

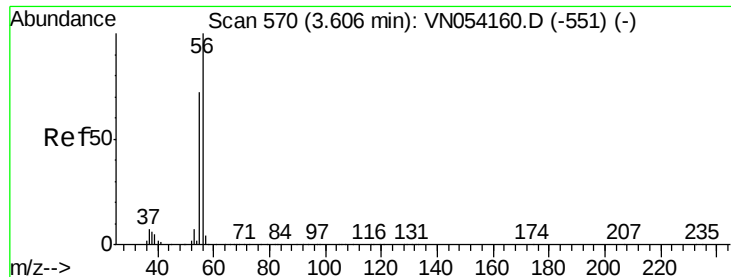


#12

1,1-Dichloroethene
 Concen: 21.360 ug/l
 RT: 3.73 min Scan# 608
 Delta R.T. -0.00 min
 Lab File: VN054168.D
 Acq: 12 Mar 2019 17:23

Tgt Ion: 96 Resp: 324618
 Ion Ratio Lower Upper
 96 100
 61 148.3 116.5 174.7
 98 65.5 51.0 76.4





#13

Acrolein

Concen: 49.882 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN054168.D

Acq: 12 Mar 2019 17:23

Instrument :

MSVOA_N

ClientSampleId :

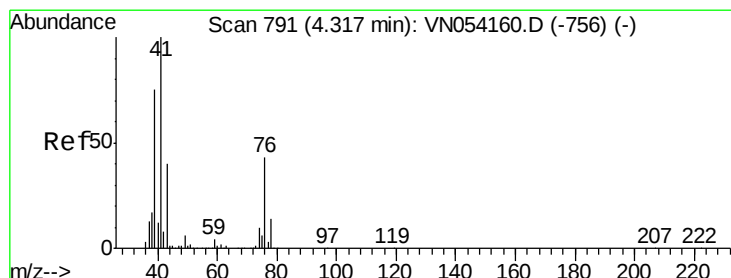
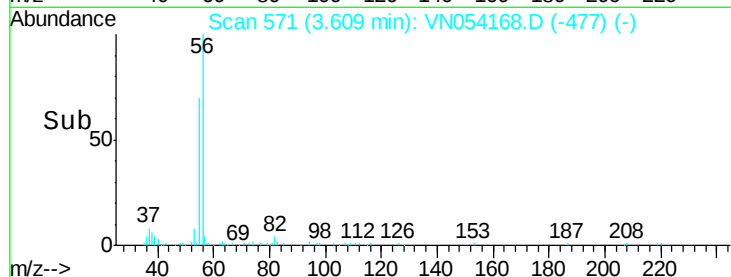
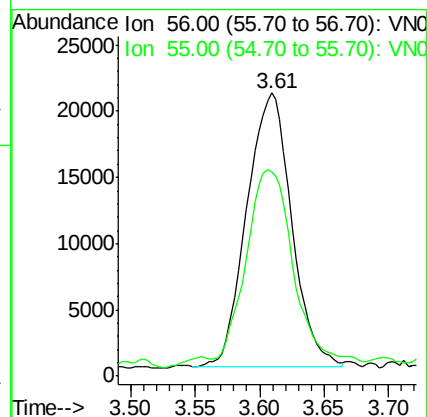
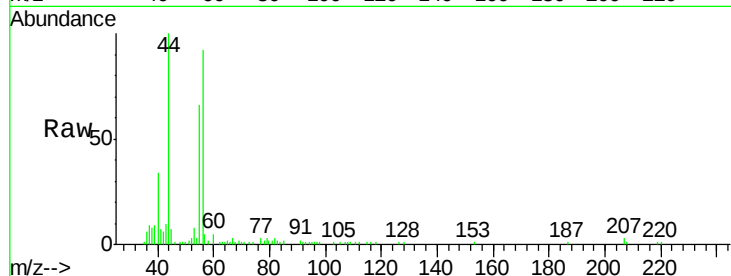
VN0312WBS01

Tot Ion: 56 Resp: 50342

Ion Ratio Lower Upper

56 100

55 73.5 56.7 85.1



#14

Allyl chloride

Concen: 20.732 ug/l

RT: 4.31 min Scan# 790

Delta R.T. -0.00 min

Lab File: VN054168.D

Acq: 12 Mar 2019 17:23

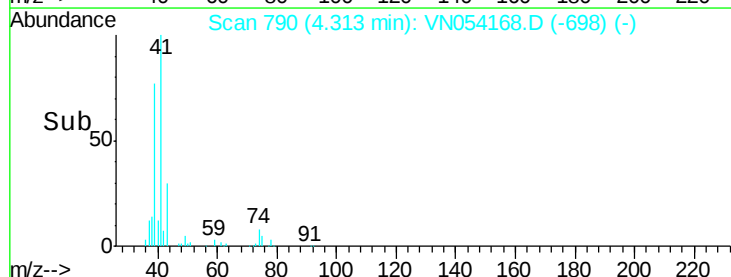
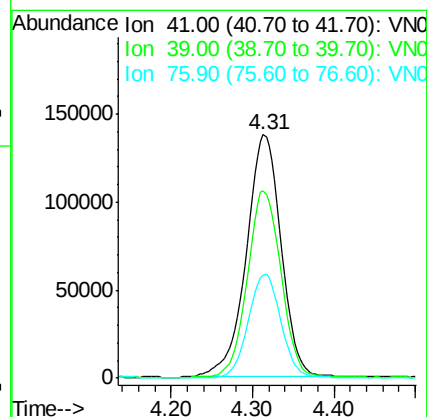
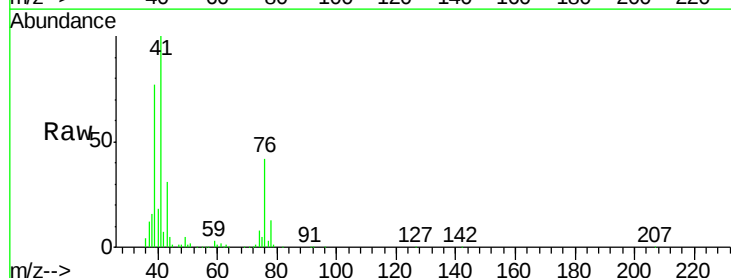
Tgt Ion: 41 Resp: 404249

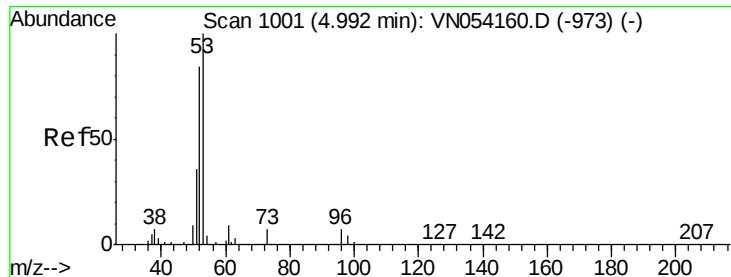
Ion Ratio Lower Upper

41 100

39 74.7 58.2 87.4

76 40.3 31.7 47.5





#15

Acrylonitrile

Concen: 104.993 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VN054168.D

Acq: 12 Mar 2019 17:23

Instrument :

MSVOA_N

ClientSampleId :

VN0312WBS01

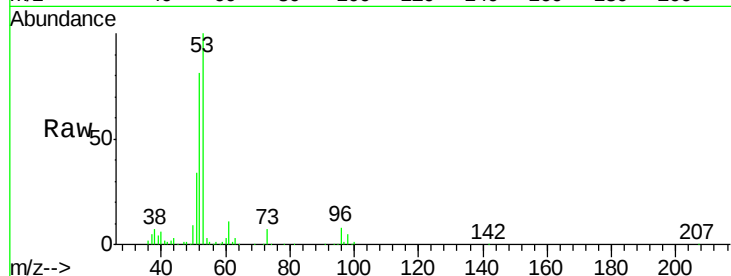
Tot Ion: 53 Resp: 459334

Ion Ratio Lower Upper

53 100

52 81.8 66.4 99.6

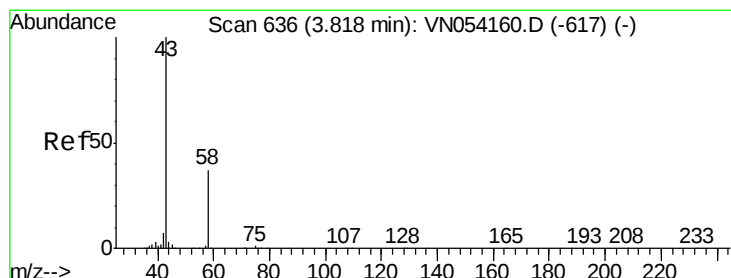
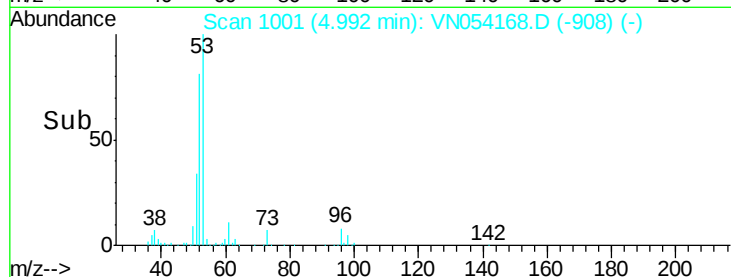
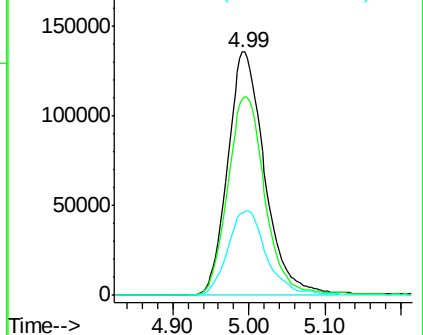
51 36.5 29.6 44.4



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 88.512 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN054168.D

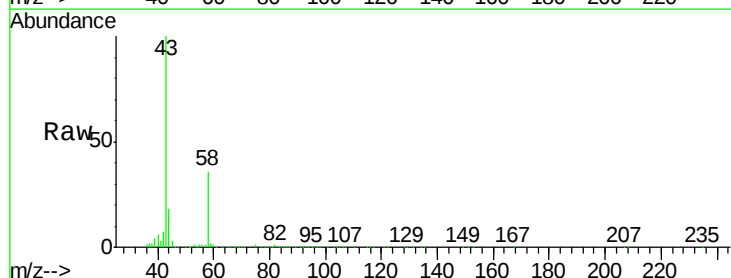
Acq: 12 Mar 2019 17:23

Tgt Ion: 43 Resp: 393724

Ion Ratio Lower Upper

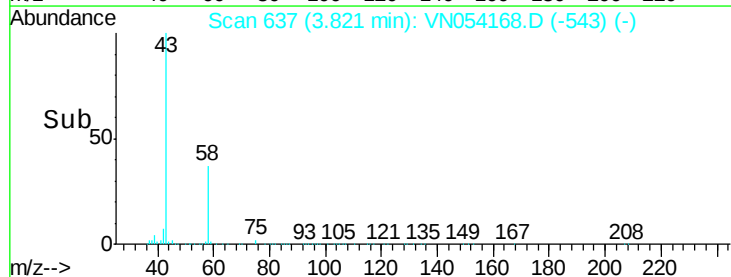
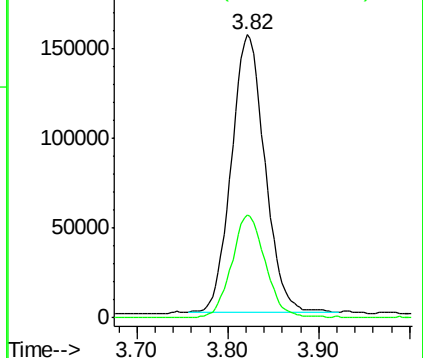
43 100

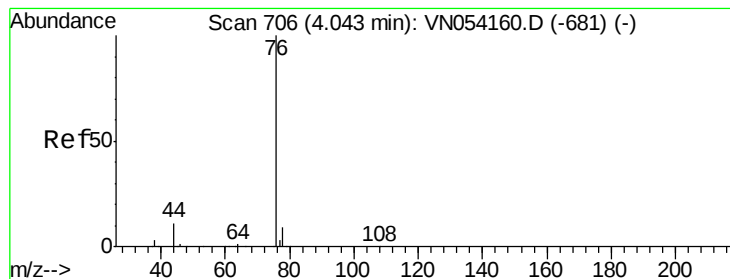
58 37.0 29.9 44.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 20.695 ug/l

RT: 4.04 min Scan# 705

Delta R.T. -0.00 min

Lab File: VN054168.D

Acq: 12 Mar 2019 17:23

Instrument :

MSVOA_N

ClientSampleId :

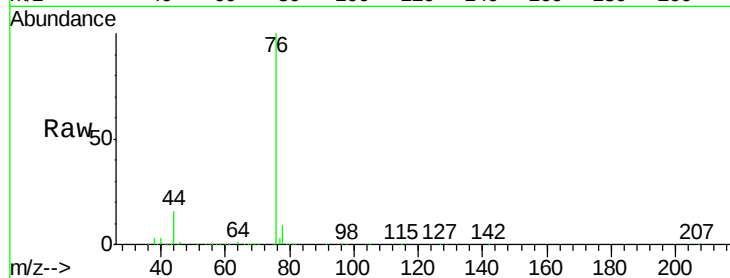
VN0312WBS01

Tot Ion: 76 Resp: 788450

Ion Ratio Lower Upper

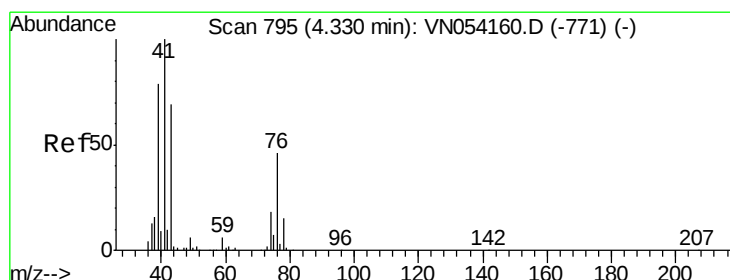
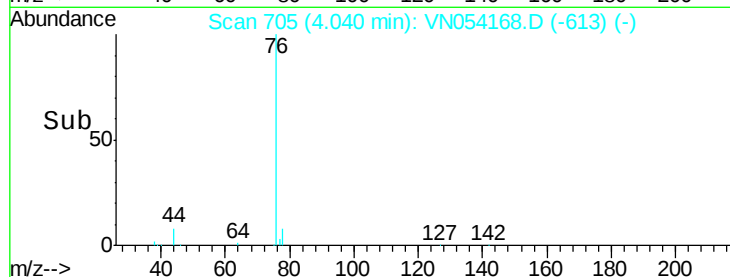
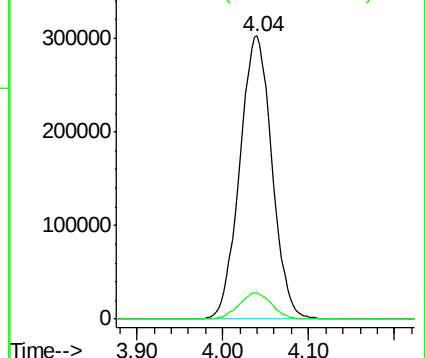
76 100

78 9.2 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 21.477 ug/l

RT: 4.33 min Scan# 796

Delta R.T. 0.00 min

Lab File: VN054168.D

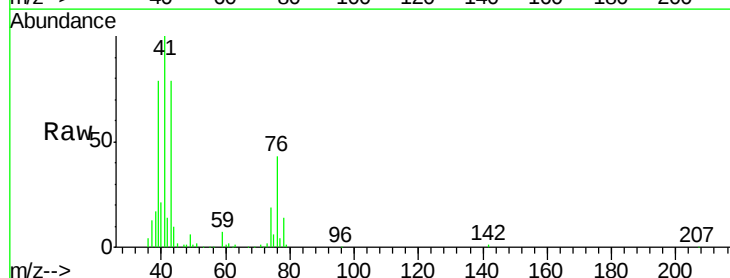
Acq: 12 Mar 2019 17:23

Tgt Ion: 43 Resp: 193281

Ion Ratio Lower Upper

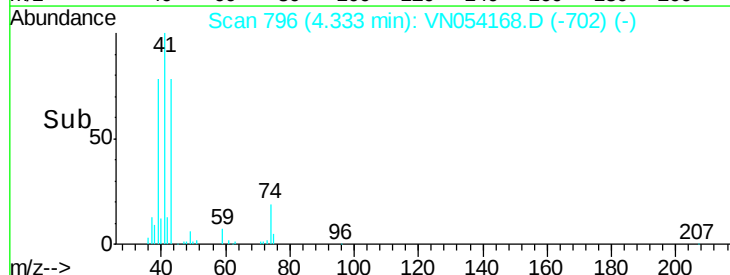
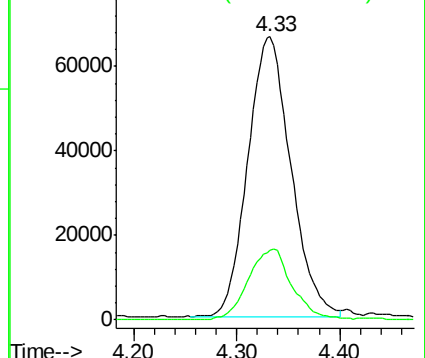
43 100

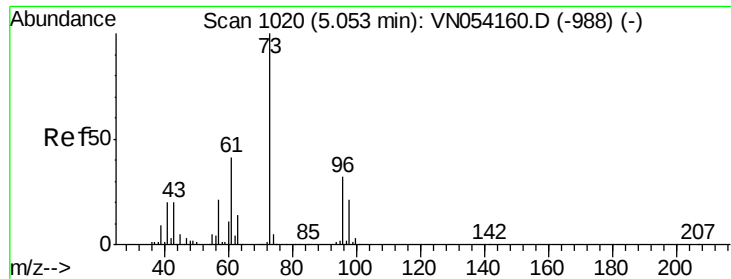
74 25.7 20.8 31.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

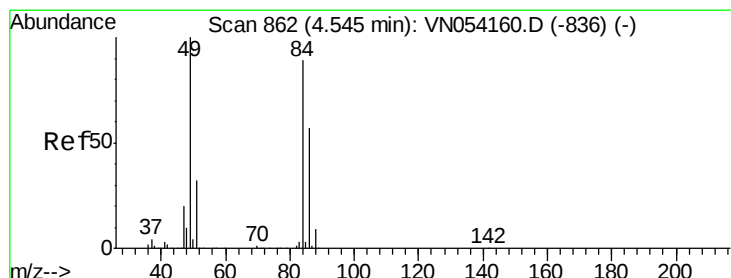
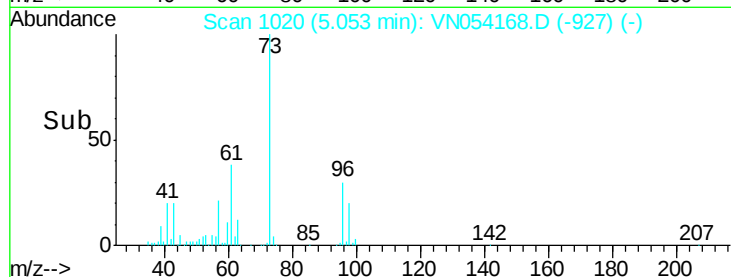
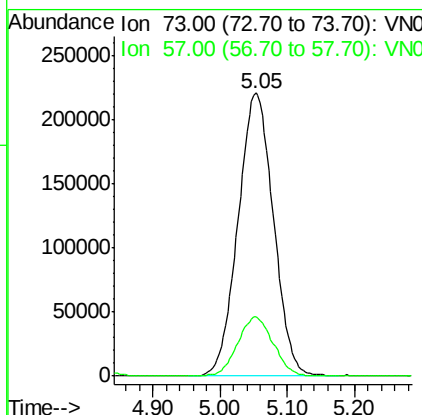
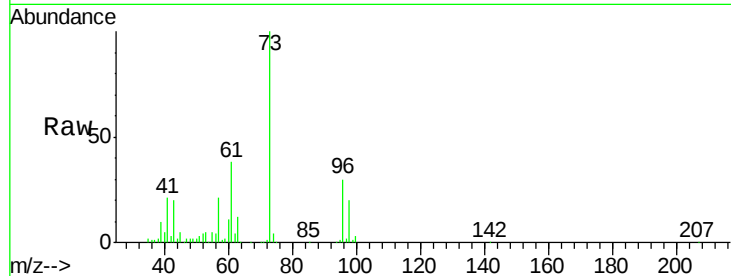




#19
Methvl tert-butvl Ether
Concen: 21.432 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VN054168.D
Acq: 12 Mar 2019 17:23

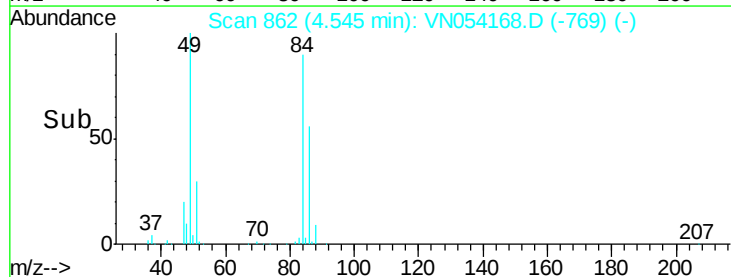
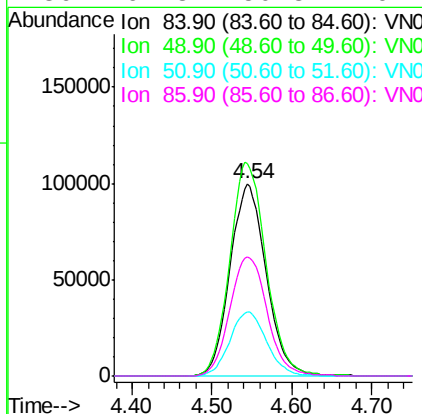
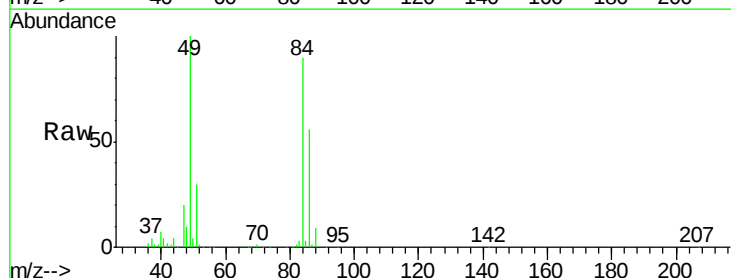
Instrument :
MSVOA_N
ClientSampleId :
VN0312WBS01

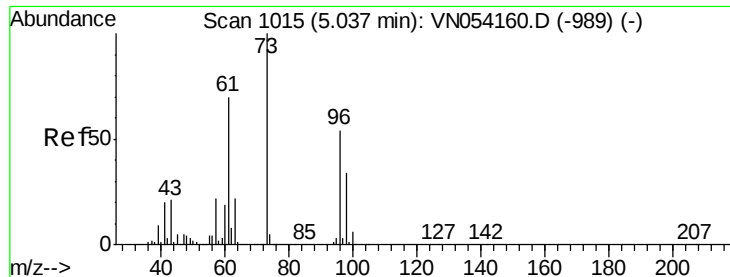
Tot Ion: 73 Resp: 807362
Ion Ratio Lower Upper
73 100
57 20.8 16.8 25.2



#20
Methylene Chloride
Concen: 20.945 ug/l
RT: 4.54 min Scan# 862
Delta R.T. -0.00 min
Lab File: VN054168.D
Acq: 12 Mar 2019 17:23

Tgt Ion: 84 Resp: 305930
Ion Ratio Lower Upper
84 100
49 110.7 89.7 134.5
51 33.6 28.2 42.4
86 61.8 50.8 76.2

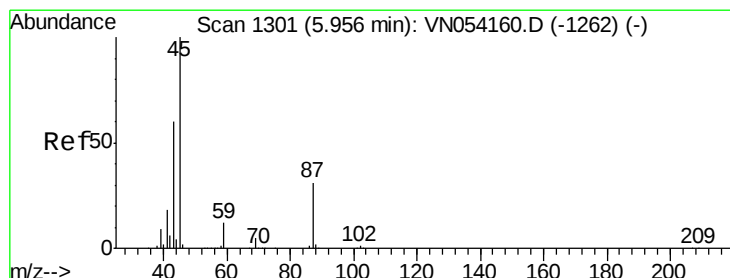
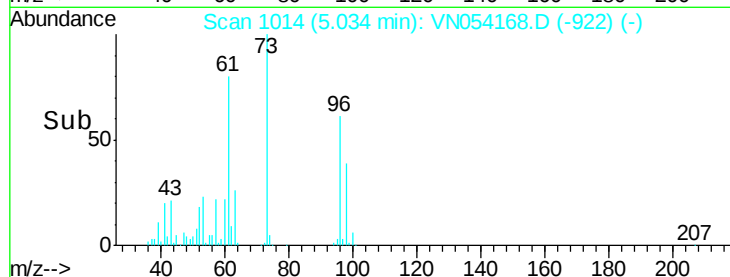
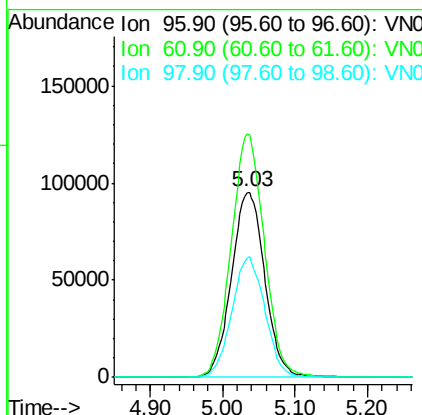
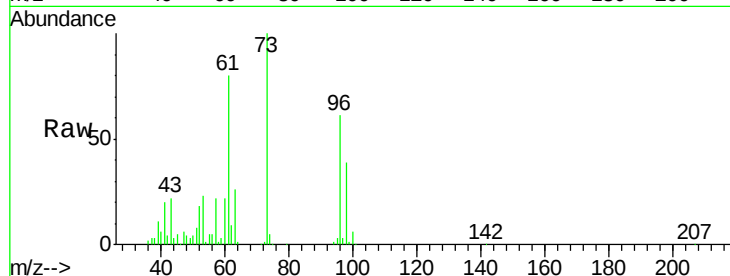




#21
trans-1,2-Dichloroethene
Concen: 20.969 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. -0.00 min
Lab File: VN054168.D
Acq: 12 Mar 2019 17:23

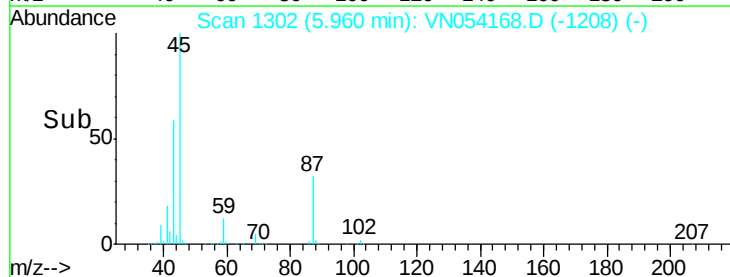
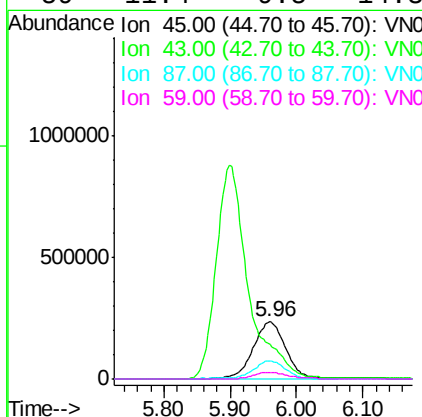
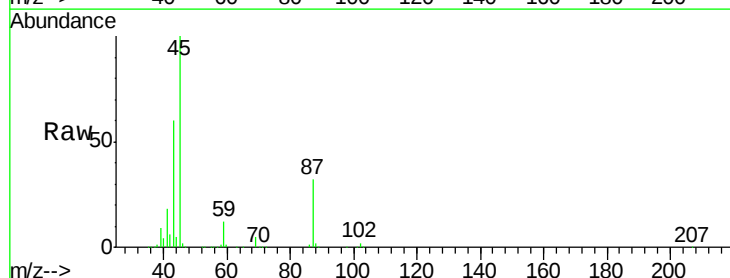
Instrument :
MSVOA_N
ClientSampleId :
VN0312WBS01

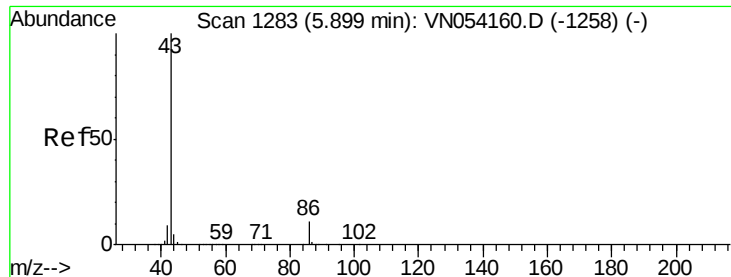
Tot Ion: 96 Resp: 305333
Ion Ratio Lower Upper
96 100
61 131.6 102.8 154.2
98 64.9 50.0 75.0



#22
Diisopropyl ether
Concen: 20.746 ug/l
RT: 5.96 min Scan# 1302
Delta R.T. 0.00 min
Lab File: VN054168.D
Acq: 12 Mar 2019 17:23

Tgt Ion: 45 Resp: 807351
Ion Ratio Lower Upper
45 100
43 58.7 48.2 72.2
87 31.2 24.9 37.3
59 11.4 9.5 14.3





#23

Vinyl Acetate

Concen: 104.050 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VN054168.D

Acq: 12 Mar 2019 17:23

Instrument :

MSVOA_N

ClientSampleId :

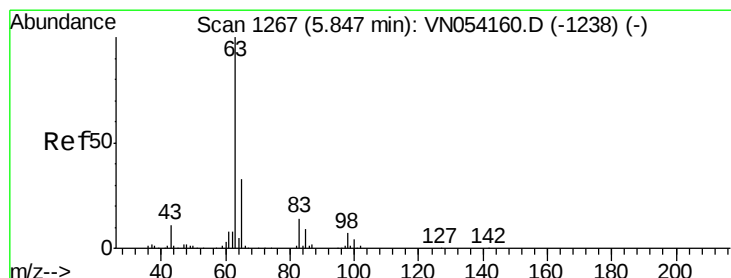
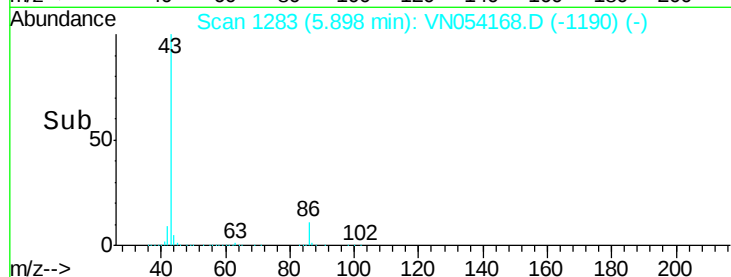
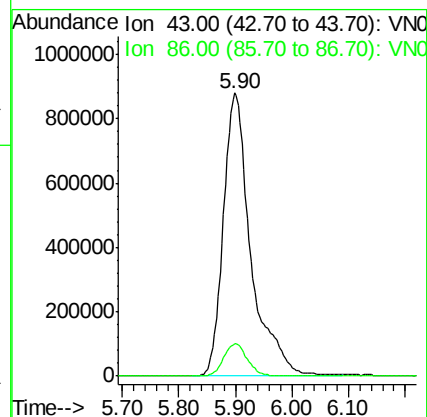
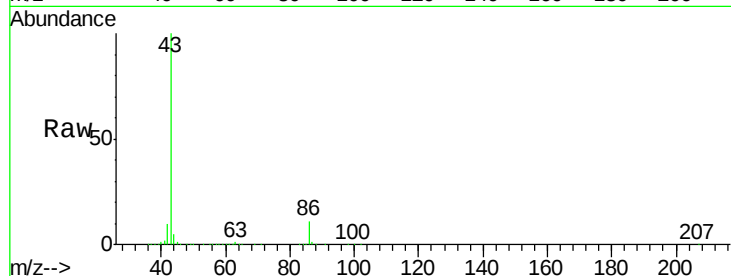
VN0312WBS01

Tot Ion: 43 Resp: 2985582

Ion Ratio Lower Upper

43 100

86 11.3 9.1 13.7



#24

1,1-Dichloroethane

Concen: 20.828 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. -0.00 min

Lab File: VN054168.D

Acq: 12 Mar 2019 17:23

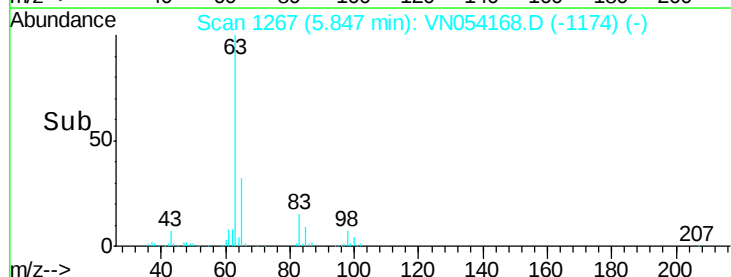
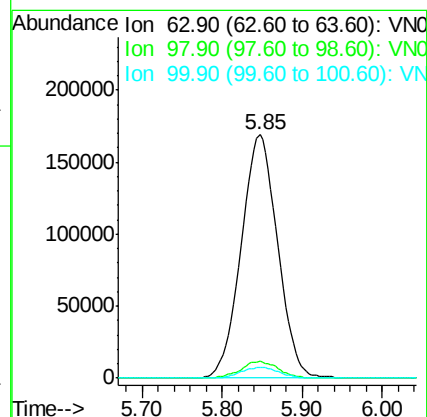
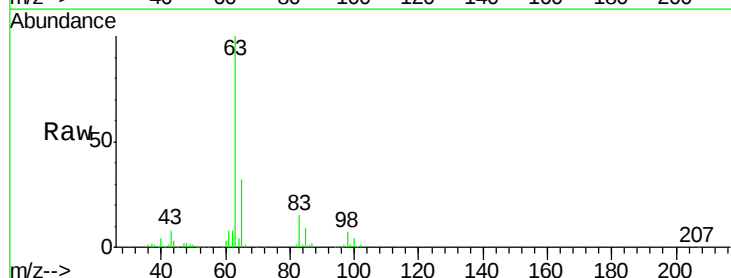
Tgt Ion: 63 Resp: 520457

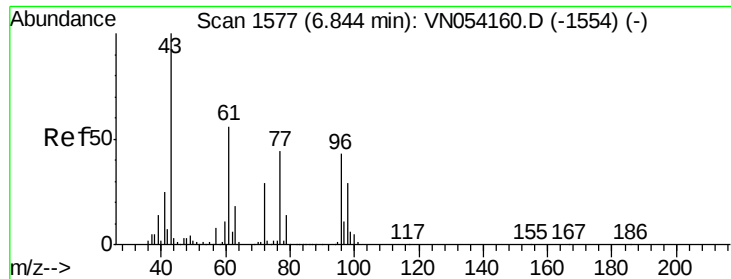
Ion Ratio Lower Upper

63 100

98 6.8 3.5 10.5

100 4.5 2.0 6.0





#25

2-Butanone

Concen: 101.587 ug/l

RT: 6.85 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VN054168.D

Acq: 12 Mar 2019 17:23

Instrument :

MSVOA_N

ClientSampleId :

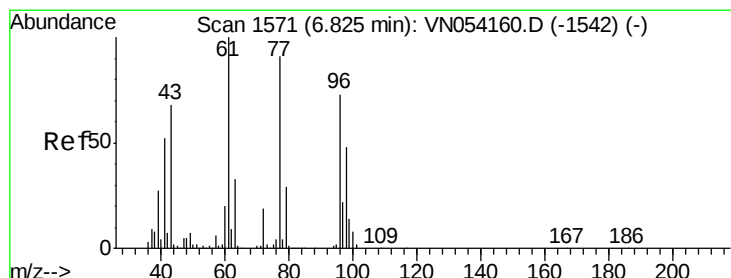
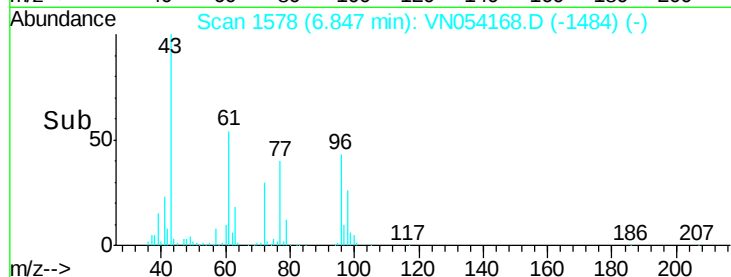
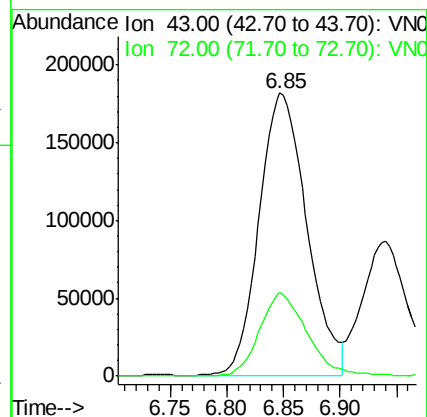
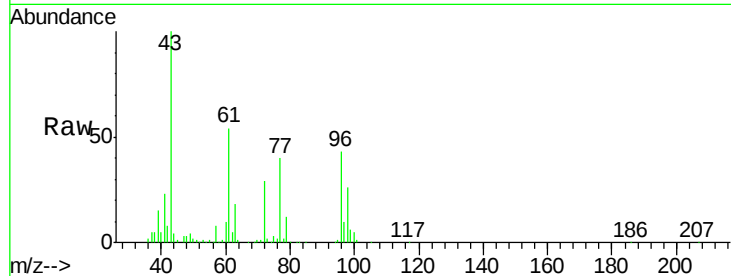
VN0312WBS01

Tot Ion: 43 Resp: 530372

Ion Ratio Lower Upper

43 100

72 29.5 23.0 34.6



#26

2,2-Dichloropropane

Concen: 20.183 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN054168.D

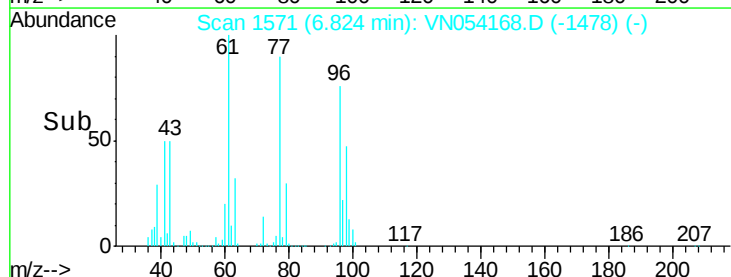
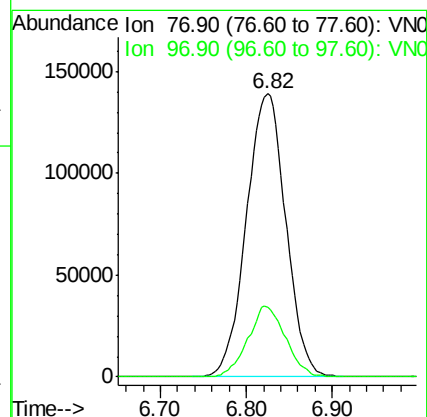
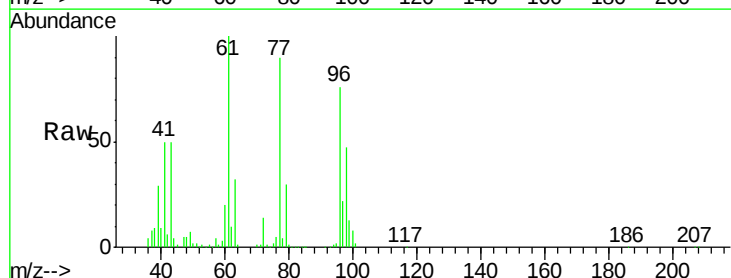
Acq: 12 Mar 2019 17:23

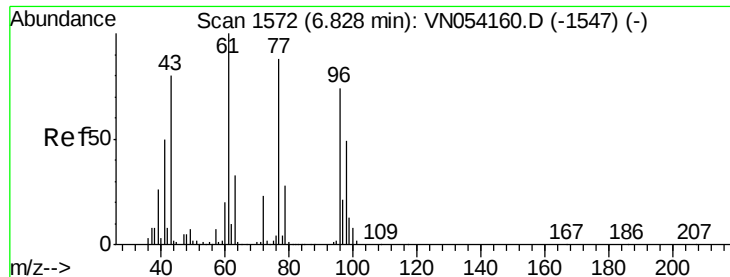
Tgt Ion: 77 Resp: 443512

Ion Ratio Lower Upper

77 100

97 23.9 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 21.366 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN054168.D

Acq: 12 Mar 2019 17:23

Instrument :

MSVOA_N

ClientSampleId :

VN0312WBS01

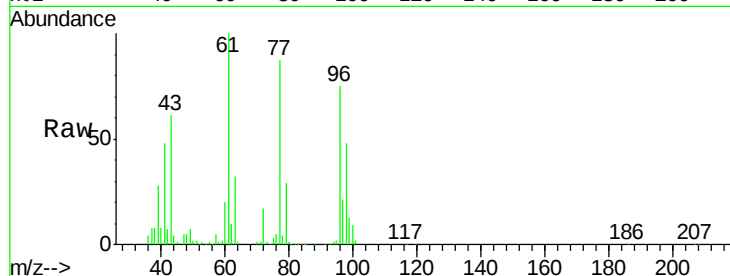
Tot Ion: 96 Resp: 347094

Ion Ratio Lower Upper

96 100

61 134.4 0.0 273.0

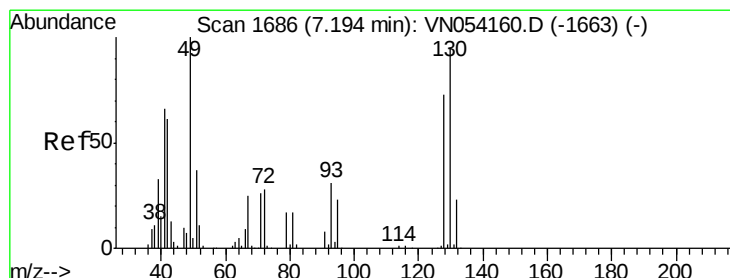
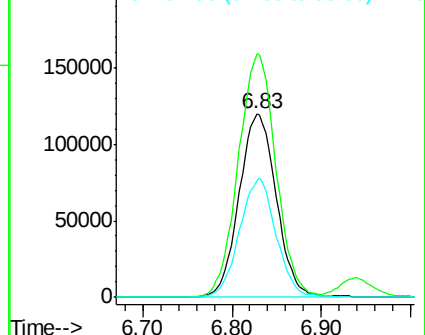
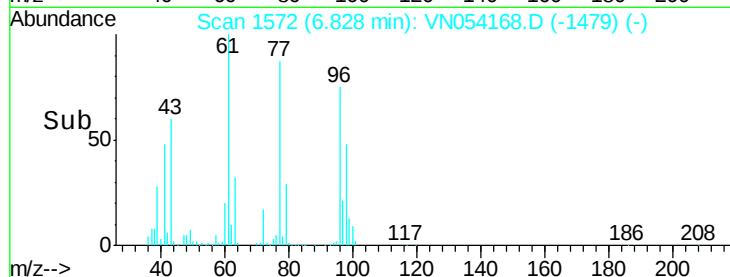
98 63.8 0.0 130.6



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 20.173 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN054168.D

Acq: 12 Mar 2019 17:23

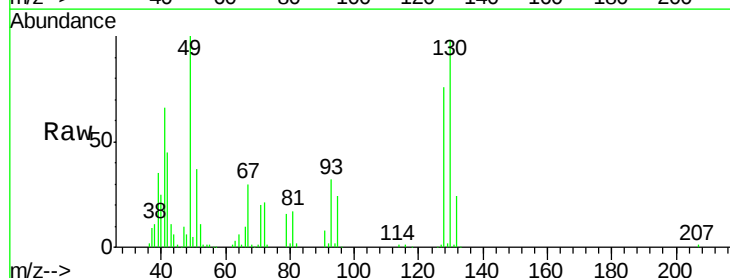
Tgt Ion: 49 Resp: 206072

Ion Ratio Lower Upper

49 100

129 2.4 0.0 4.6

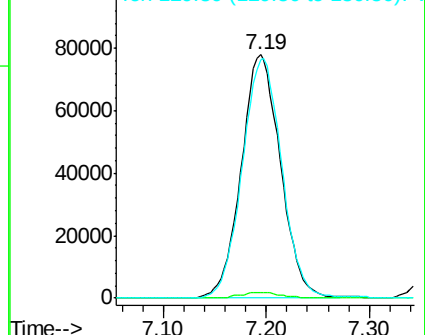
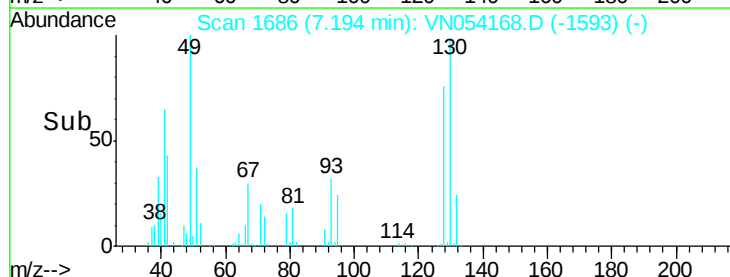
130 99.4 76.7 115.1

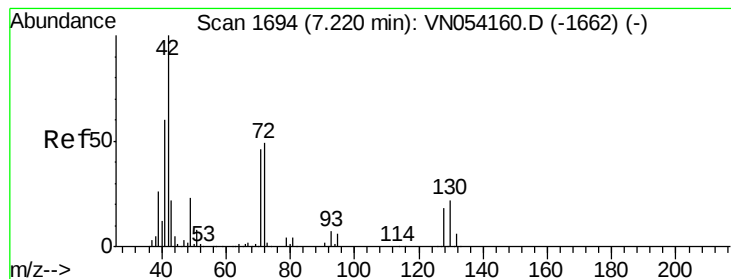


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 102.482 ug/l

RT: 7.22 min Scan# 1694

Delta R.T. -0.00 min

Lab File: VN054168.D

Acq: 12 Mar 2019 17:23

Instrument :

MSVOA_N

ClientSampleId :

VN0312WBS01

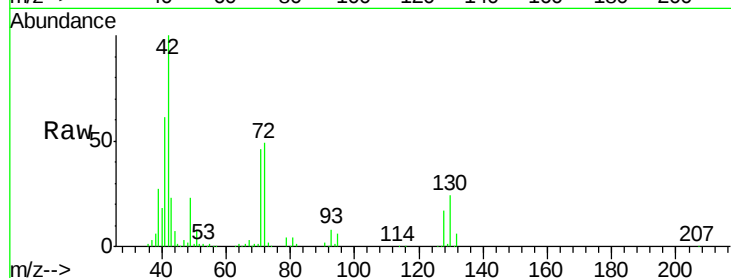
Tot Ion: 42 Resp: 344015

Ion Ratio Lower Upper

42 100

72 48.2 37.8 56.6

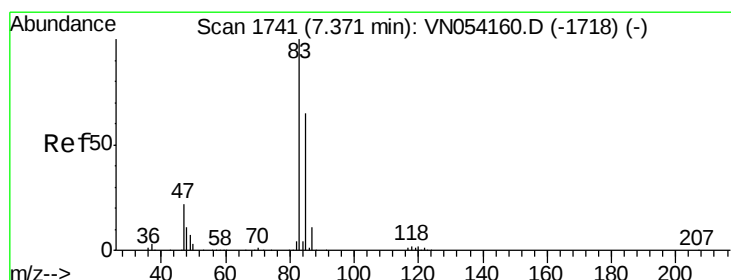
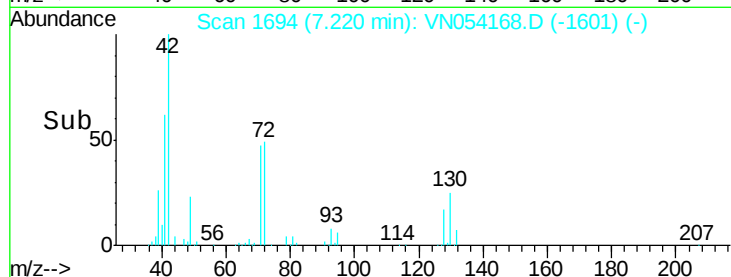
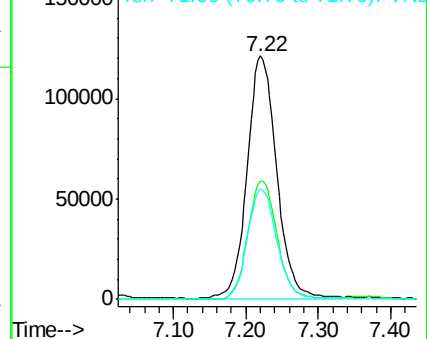
71 45.4 36.2 54.2



Abundance Ion 42.00 (41.70 to 42.70): VNC

Ion 72.00 (71.70 to 72.70): VNC

Ion 71.00 (70.70 to 71.70): VNC



#30

Chloroform

Concen: 21.180 ug/l

RT: 7.37 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VN054168.D

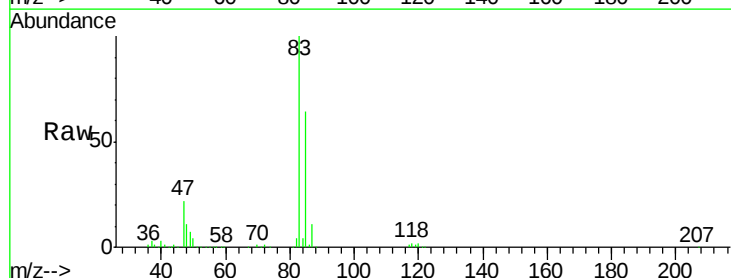
Acq: 12 Mar 2019 17:23

Tgt Ion: 83 Resp: 552261

Ion Ratio Lower Upper

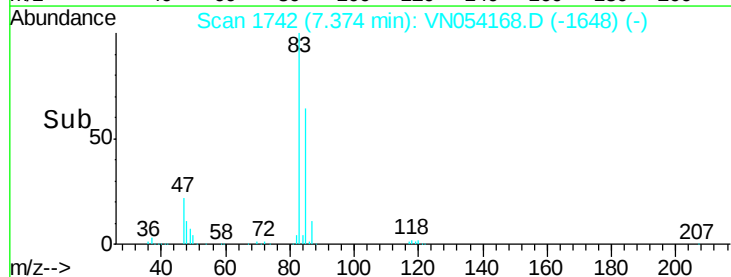
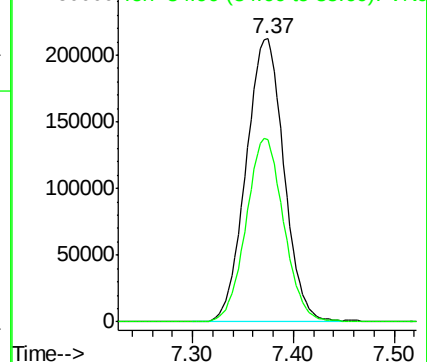
83 100

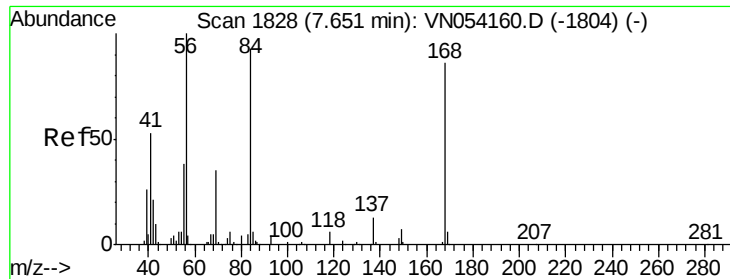
85 64.2 52.2 78.4



Abundance Ion 82.90 (82.60 to 83.60): VNC

Ion 84.90 (84.60 to 85.60): VNC

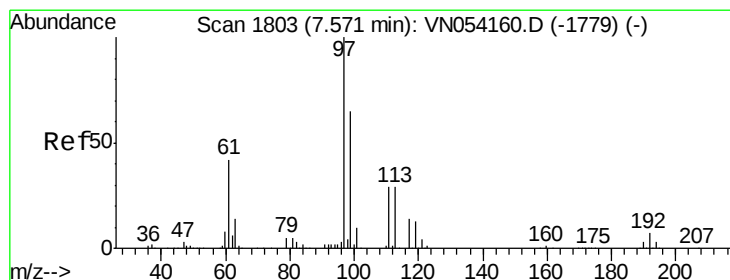
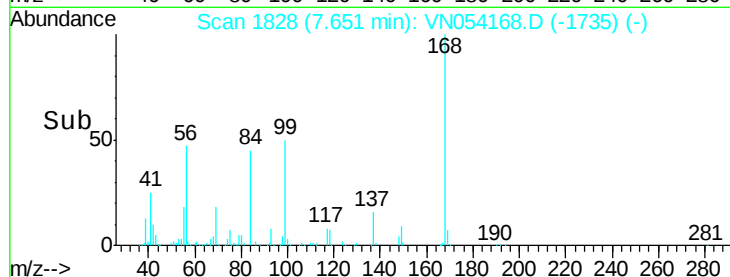
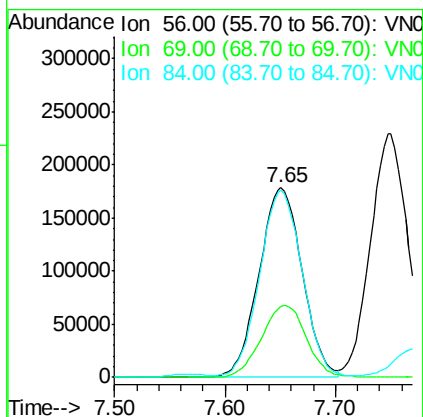
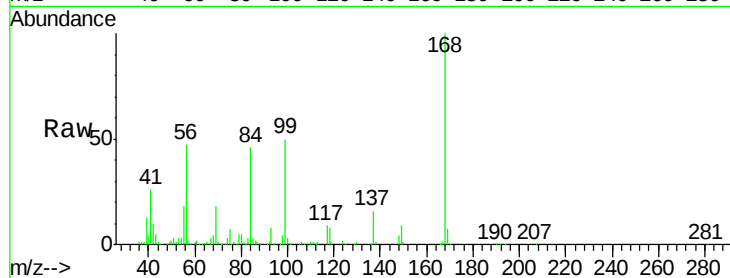




#31
Cyclohexane
Concen: 19.961 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. -0.00 min
Lab File: VN054168.D
Acq: 12 Mar 2019 17:23

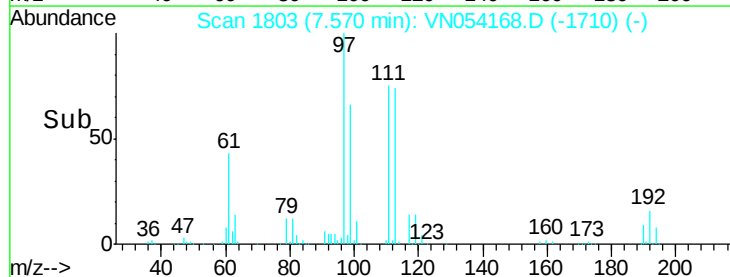
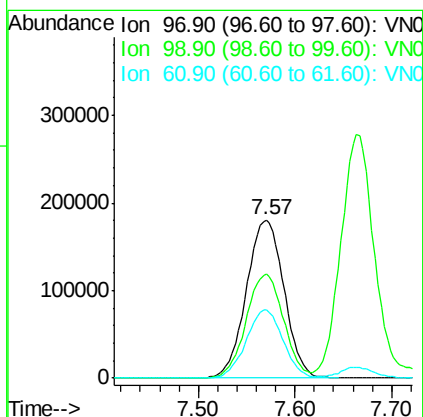
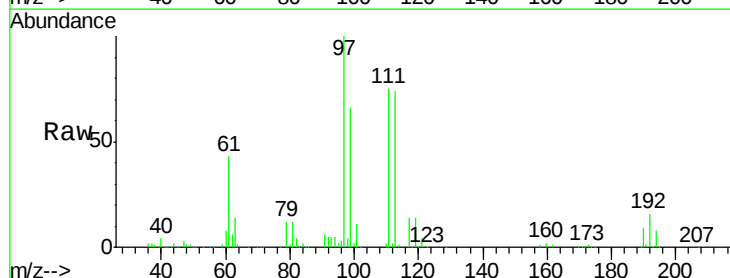
Instrument :
MSVOA_N
ClientSampled :
VN0312WBS01

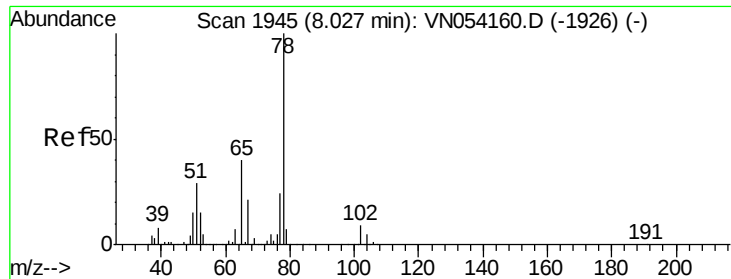
Tot Ion: 56 Resp: 483541
Ion Ratio Lower Upper
56 100
69 37.8 27.8 41.6
84 97.6 74.6 111.8



#32
1,1,1-Trichloroethane
Concen: 20.736 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VN054168.D
Acq: 12 Mar 2019 17:23

Tgt Ion: 97 Resp: 488301
Ion Ratio Lower Upper
97 100
99 65.3 51.5 77.3
61 42.3 33.6 50.4

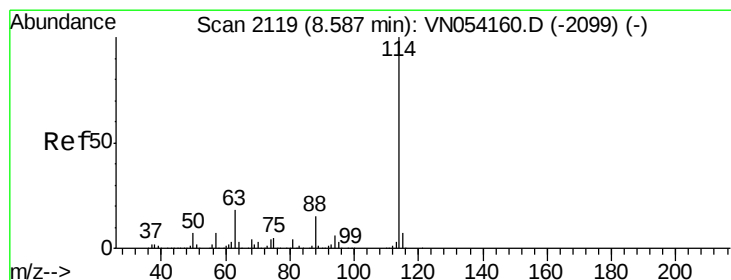
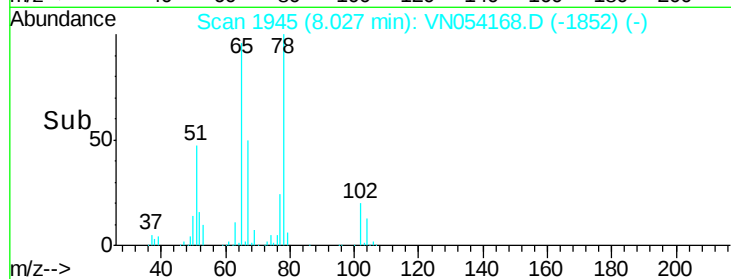
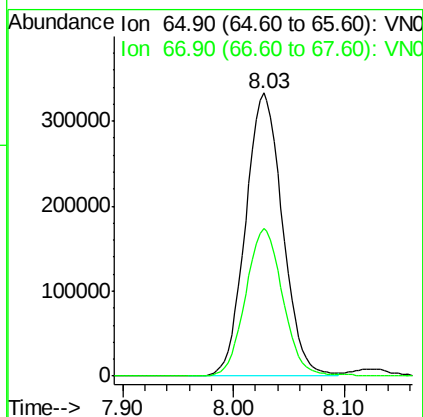
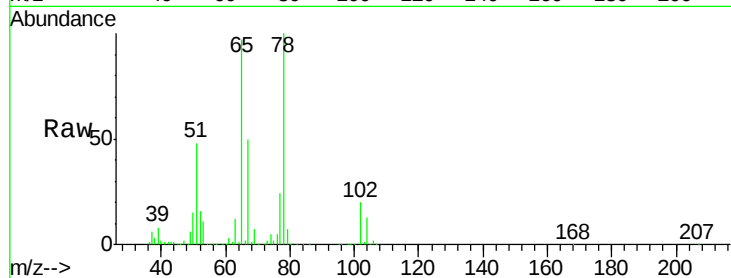




#33
 1,2-Dichloroethane-d4
 Concen: 49.816 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN054168.D
 Acq: 12 Mar 2019 17:23

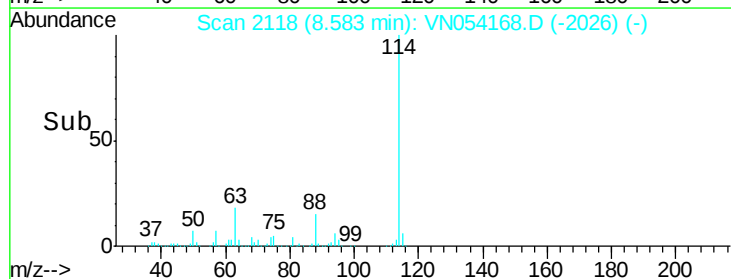
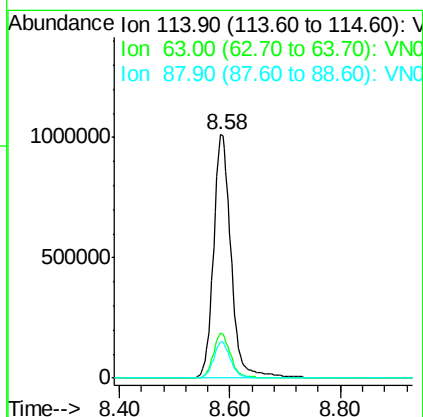
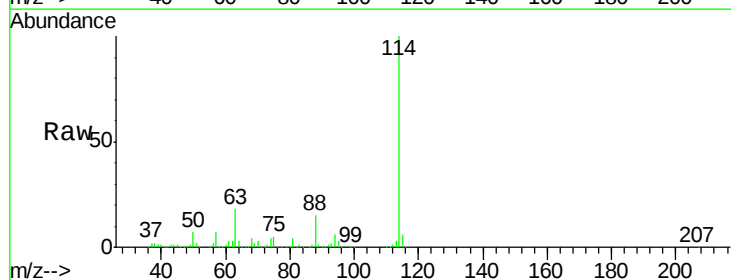
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0312WBS01

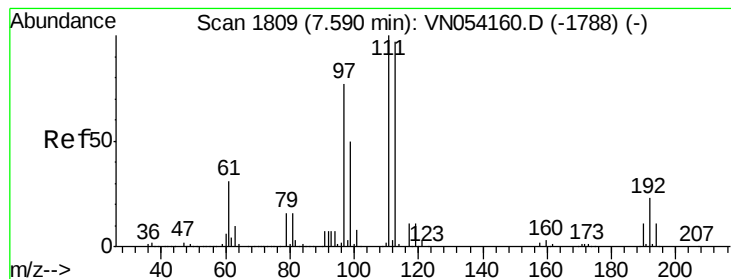
Tot Ion: 65 Resp: 773935
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN054168.D
 Acq: 12 Mar 2019 17:23

Tgt Ion: 114 Resp: 2230261
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 35.2
 88 14.8 0.0 30.2





#35

Dibromofluoromethane

Concen: 49.324 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VN054168.D

Acq: 12 Mar 2019 17:23

Instrument :

MSVOA_N

ClientSampleId :

VN0312WBS01

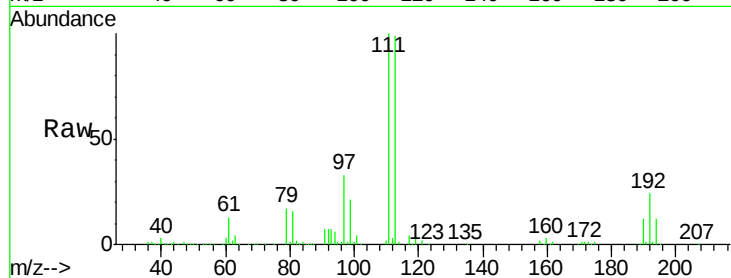
Tot Ion:113 Resp: 709483

Ion Ratio Lower Upper

113 100

111 100.8 82.2 123.4

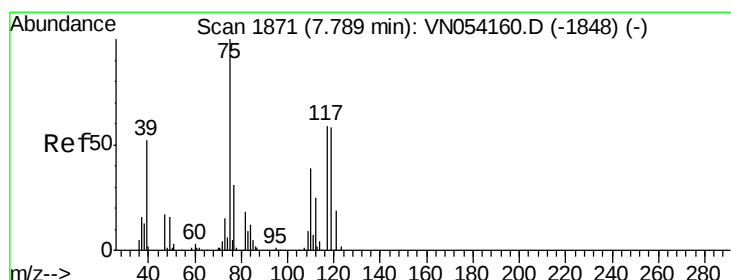
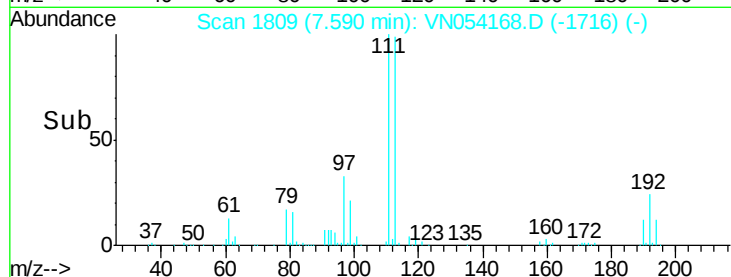
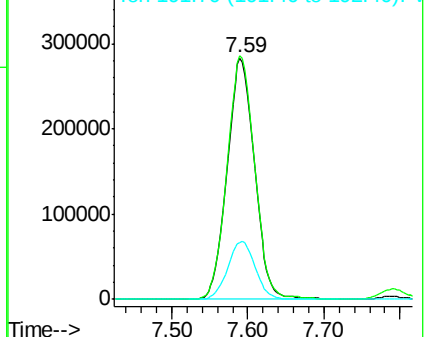
192 24.1 19.2 28.8



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 20.384 ug/l

RT: 7.79 min Scan# 1871

Delta R.T. -0.00 min

Lab File: VN054168.D

Acq: 12 Mar 2019 17:23

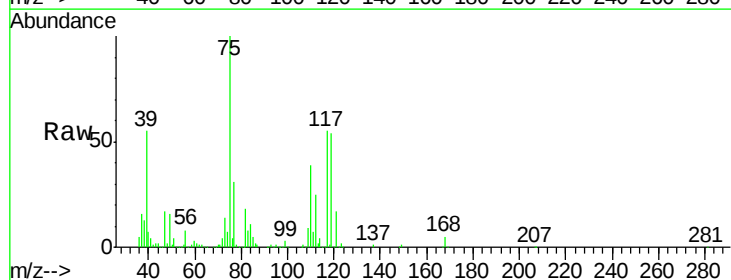
Tgt Ion: 75 Resp: 418656

Ion Ratio Lower Upper

75 100

110 38.8 19.1 57.5

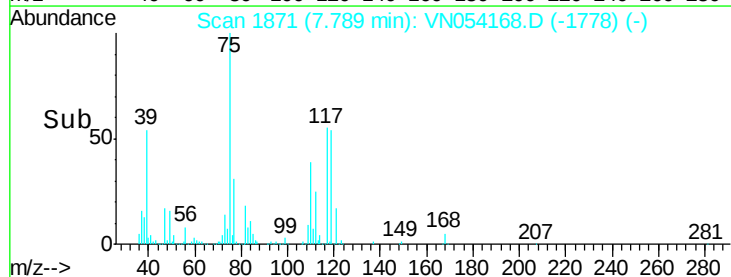
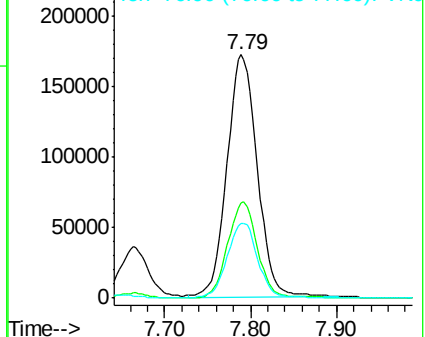
77 31.5 25.0 37.4

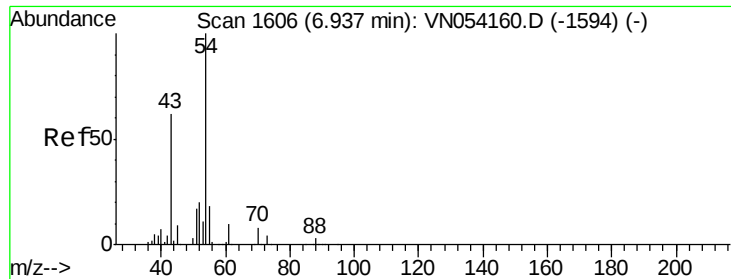


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VNO

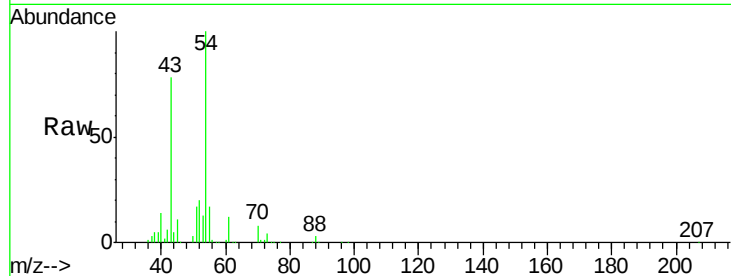




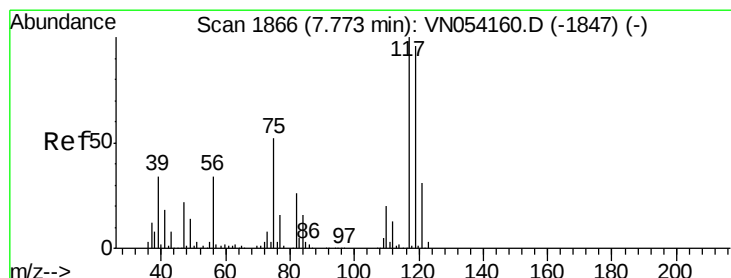
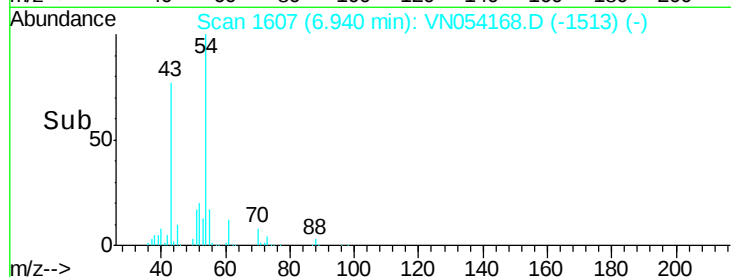
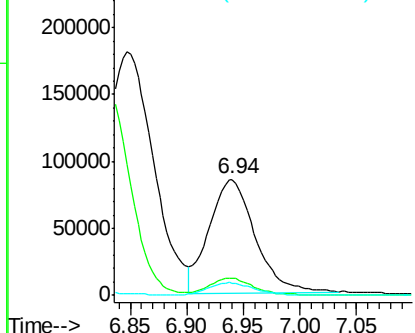
#37
Ethyl Acetate
Concen: 20.193 ug/l
RT: 6.94 min Scan# 1607
Delta R.T. 0.00 min
Lab File: VN054168.D
Acq: 12 Mar 2019 17:23

Instrument :
MSVOA_N
ClientSampleId :
VN0312WBS01

Tot Ion: 43 Resp: 238306
Ion Ratio Lower Upper
43 100
61 13.9 11.8 17.6
70 11.4 8.4 12.6

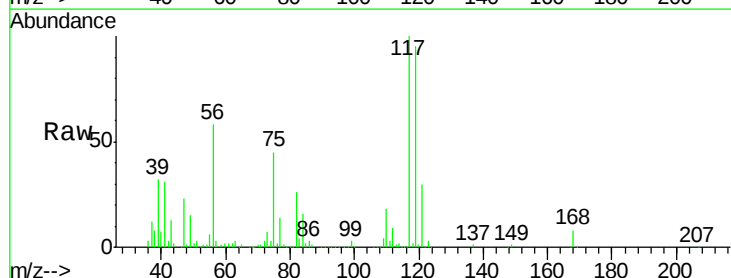


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

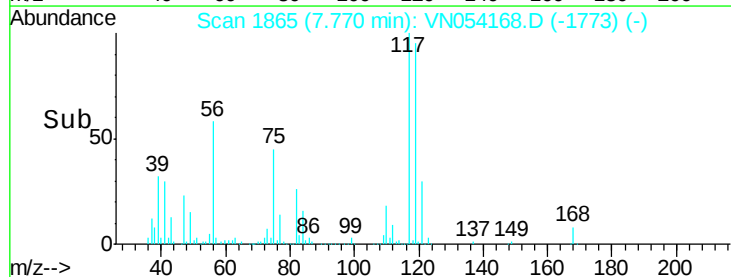
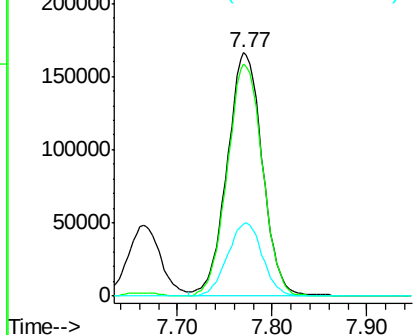


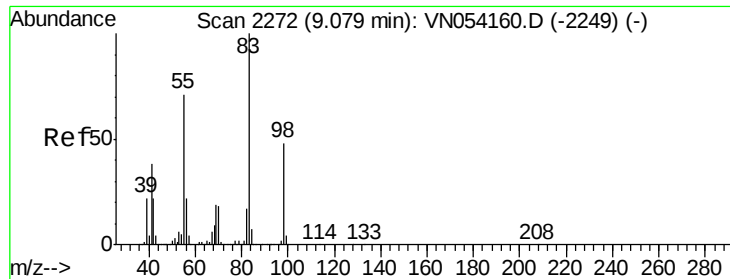
#38
Carbon Tetrachloride
Concen: 19.826 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN054168.D
Acq: 12 Mar 2019 17:23

Tgt Ion: 117 Resp: 427031
Ion Ratio Lower Upper
117 100
119 95.4 76.3 114.5
121 29.7 24.6 36.8



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

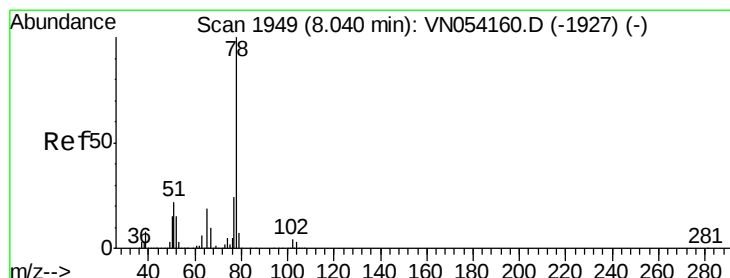
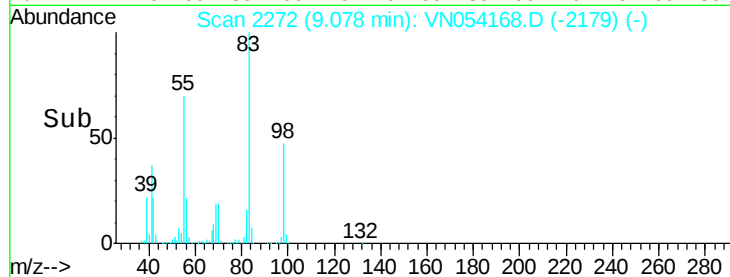
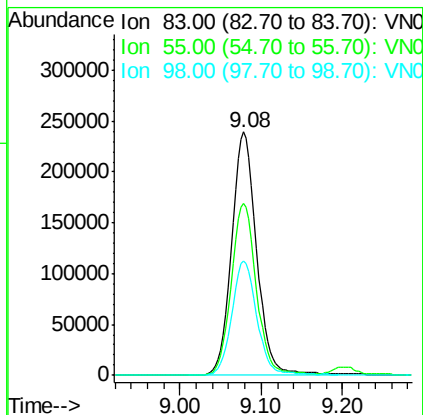
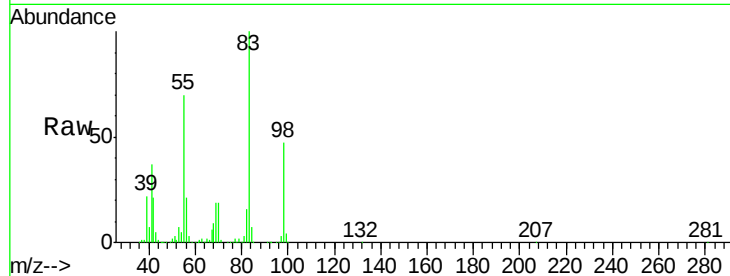




#39
Methvlcvclohexane
Concen: 20.402 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN054168.D
Acq: 12 Mar 2019 17:23

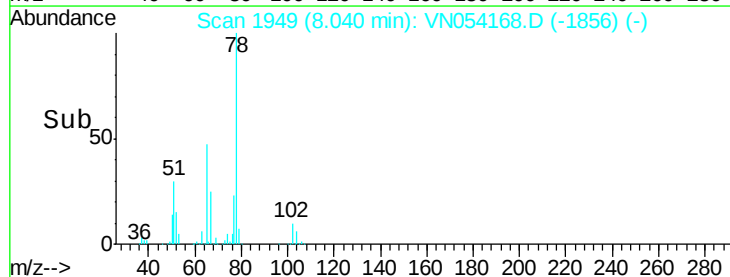
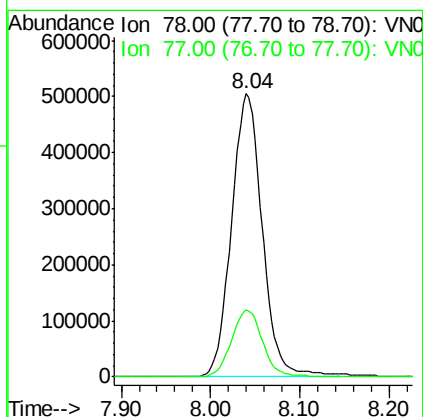
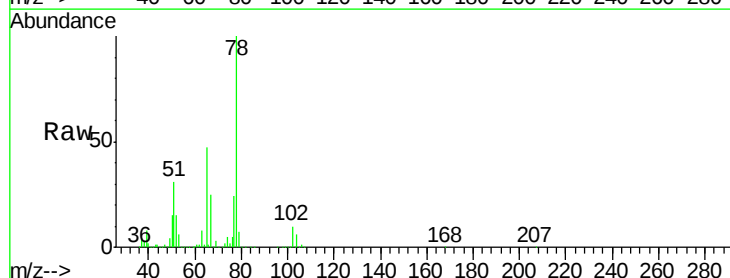
Instrument :
MSVOA_N
ClientSampleId :
VN0312WBS01

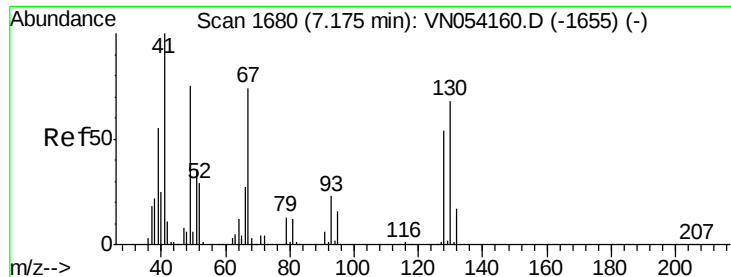
Tot Ion: 83 Resp: 515568
Ion Ratio Lower Upper
83 100
55 70.4 56.6 84.8
98 47.0 38.4 57.6



#40
Benzene
Concen: 20.551 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN054168.D
Acq: 12 Mar 2019 17:23

Tgt Ion: 78 Resp: 1207882
Ion Ratio Lower Upper
78 100
77 23.5 19.1 28.7

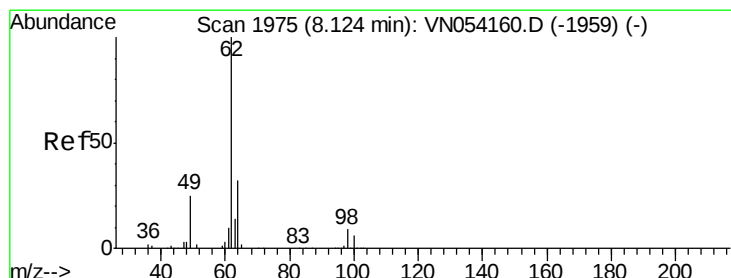
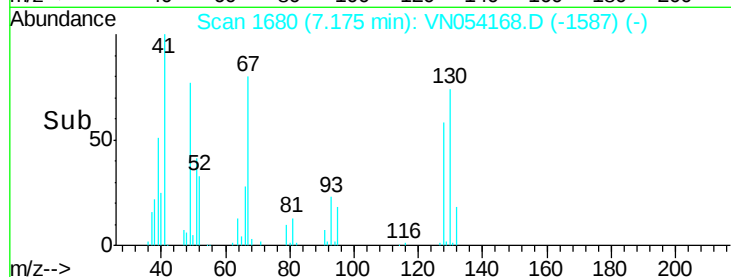
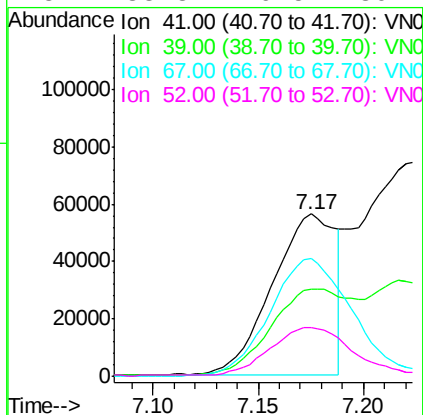
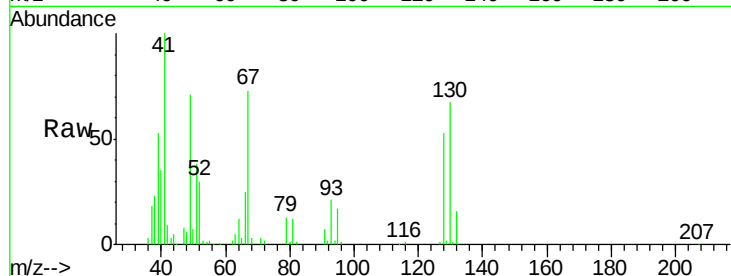




#41
Methacrylonitrile
Concen: 17.191 ug/l
RT: 7.17 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN054168.D
Acq: 12 Mar 2019 17:23

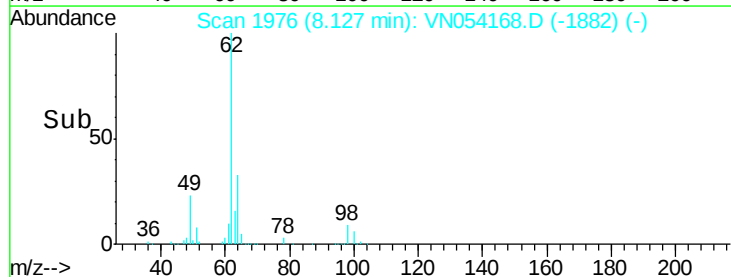
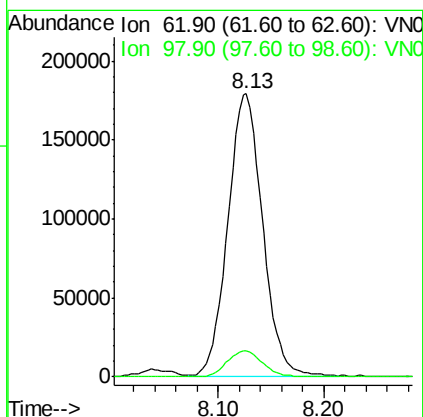
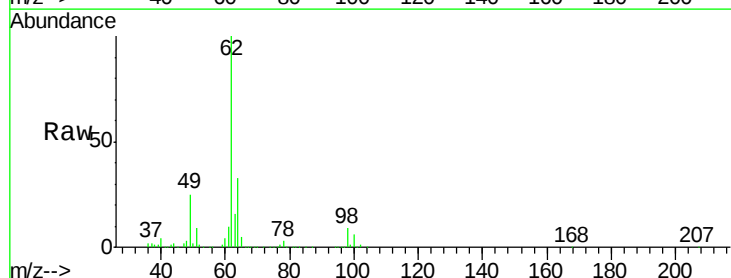
Instrument :
MSVOA_N
ClientSampled :
VN0312WBS01

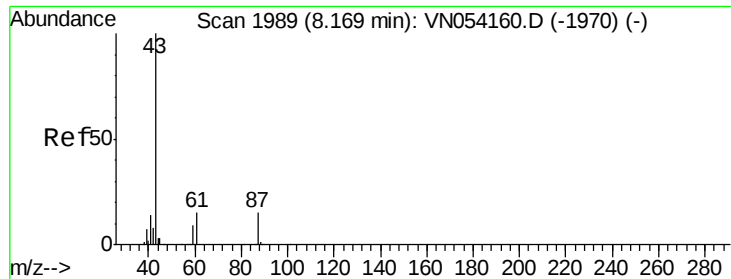
Tot Ion:	41	Resp:	115838
Ion	Ratio	Lower	Upper
41	100		
39	69.0	46.8	70.2
67	96.7	67.0	100.4
52	38.8	26.5	39.7



#42
1,2-Dichloroethane
Concen: 20.545 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN054168.D
Acq: 12 Mar 2019 17:23

Tgt Ion:	62	Resp:	407675
Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	18.4



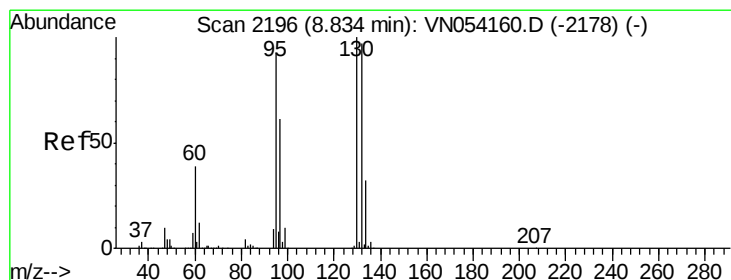
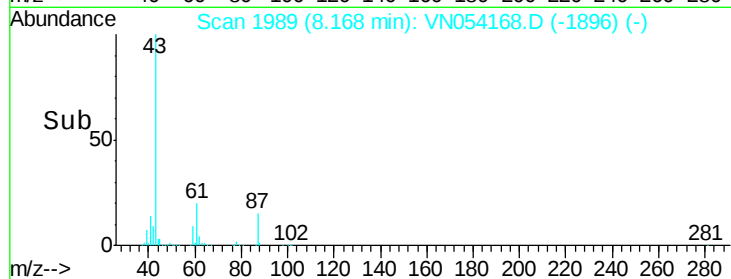
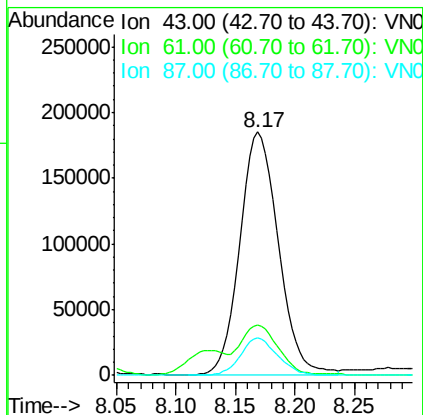
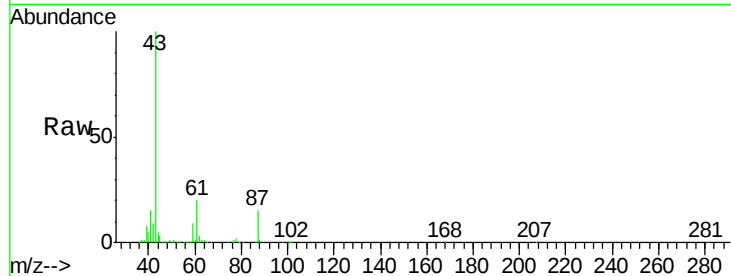


#43

Isopropyl Acetate
 Concen: 19.999 ug/l
 RT: 8.17 min Scan# 1989
 Delta R.T. -0.00 min
 Lab File: VN054168.D
 Acq: 12 Mar 2019 17:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0312WBS01

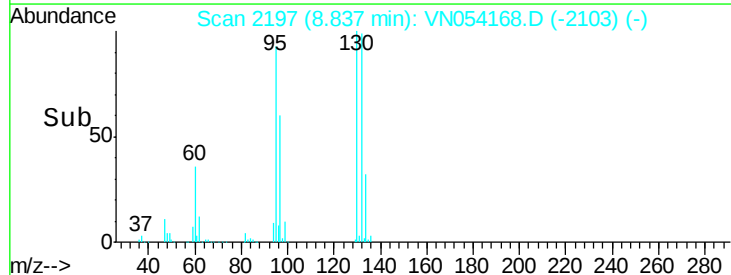
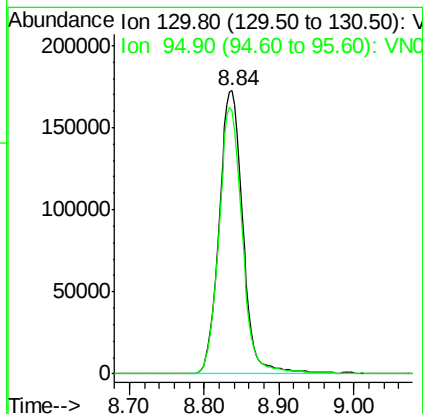
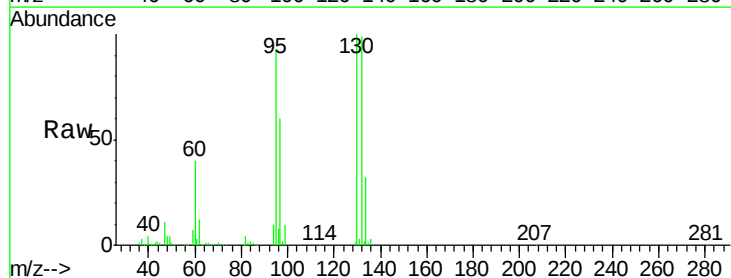
Tot Ion	43	Resp	414267
Ion Ratio	Lower	Upper	
43	100		
61	19.8	15.8	23.8
87	14.9	12.0	18.0

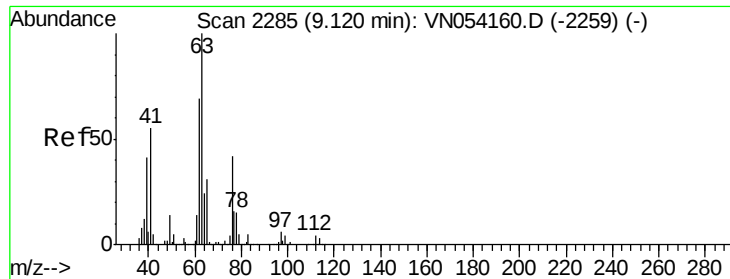


#44

Trichloroethene
 Concen: 20.814 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN054168.D
 Acq: 12 Mar 2019 17:23

Tgt Ion	130	Resp	380018
Ion Ratio	Lower	Upper	
130	100		
95	92.7	0.0	185.2

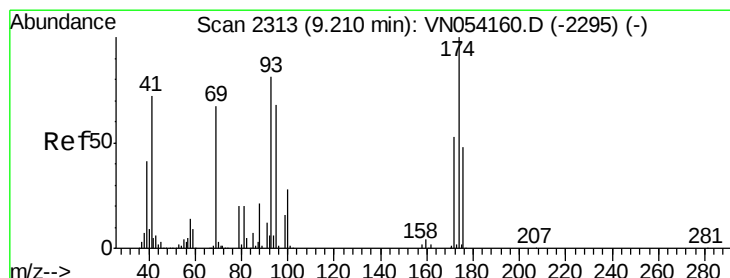
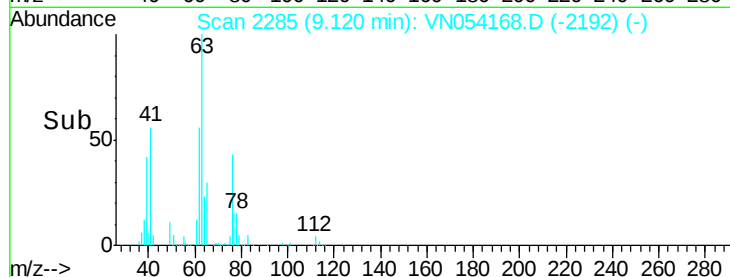
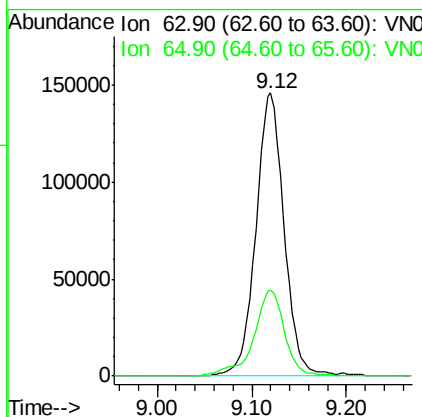
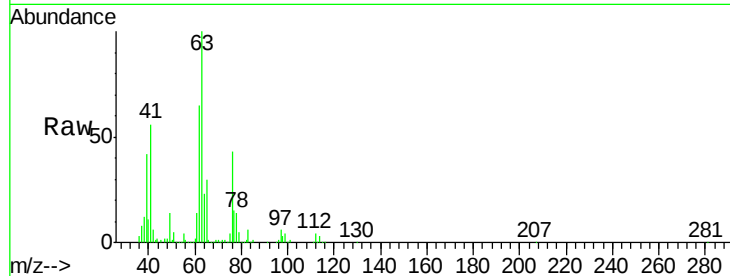




#45
 1,2-Dichloropropane
 Concen: 20.652 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN054168.D
 Acq: 12 Mar 2019 17:23

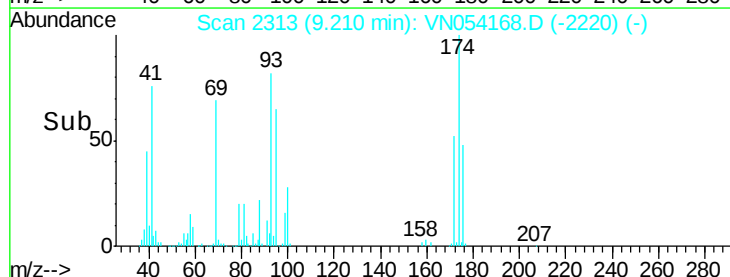
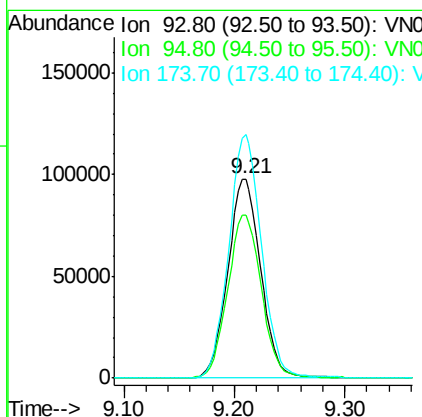
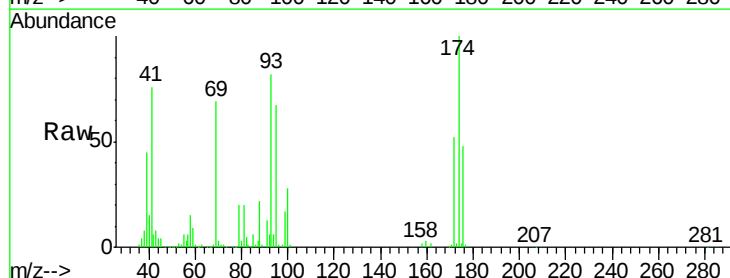
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0312WBS01

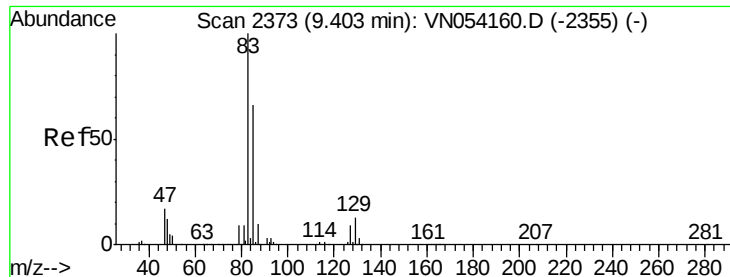
Tot Ion: 63 Resp: 301397
 Ion Ratio Lower Upper
 63 100
 65 30.2 25.0 37.6



#46
 Dibromomethane
 Concen: 20.547 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. -0.00 min
 Lab File: VN054168.D
 Acq: 12 Mar 2019 17:23

Tgt Ion: 93 Resp: 202602
 Ion Ratio Lower Upper
 93 100
 95 83.1 66.7 100.1
 174 121.6 98.5 147.7





#47

Bromodichloromethane

Concen: 20.461 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN054168.D

Acq: 12 Mar 2019 17:23

Instrument :

MSVOA_N

ClientSampleId :

VN0312WBS01

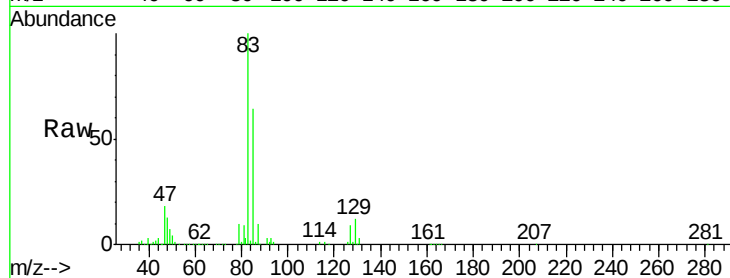
Tot Ion: 83 Resp: 404476

Ion Ratio Lower Upper

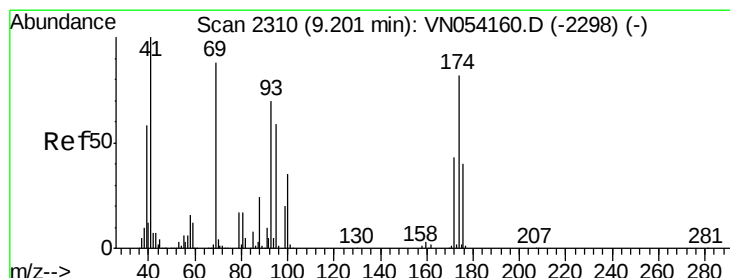
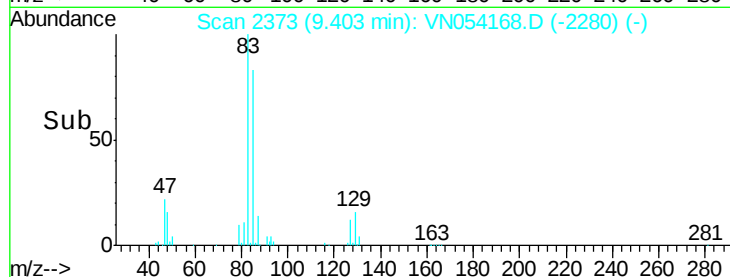
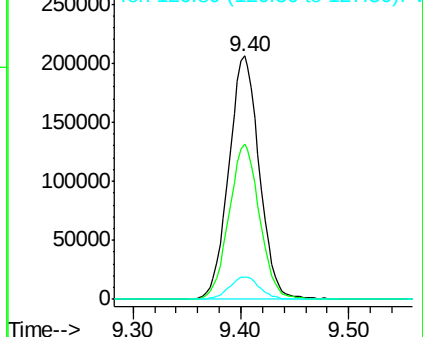
83 100

85 64.0 52.8 79.2

127 9.3 7.4 11.2



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): VN0



#48

Methyl methacrylate

Concen: 20.558 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN054168.D

Acq: 12 Mar 2019 17:23

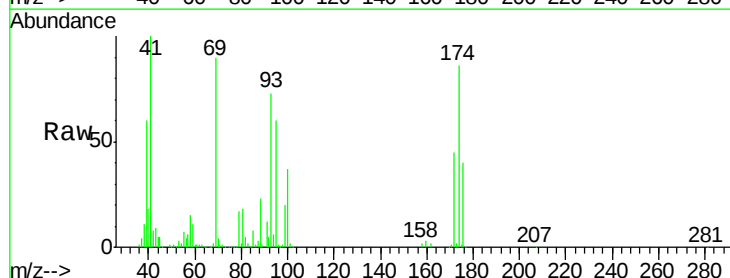
Tgt Ion: 41 Resp: 216115

Ion Ratio Lower Upper

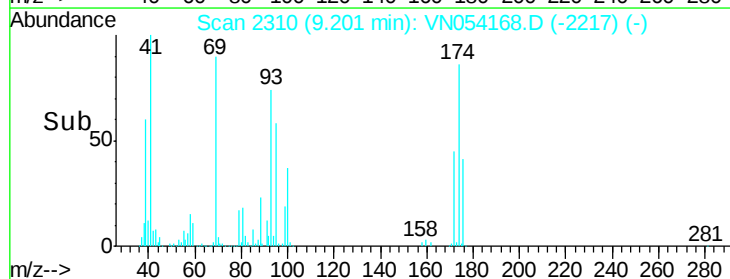
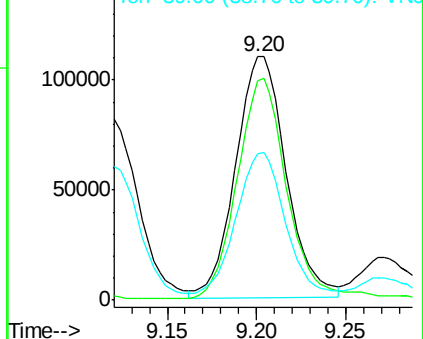
41 100

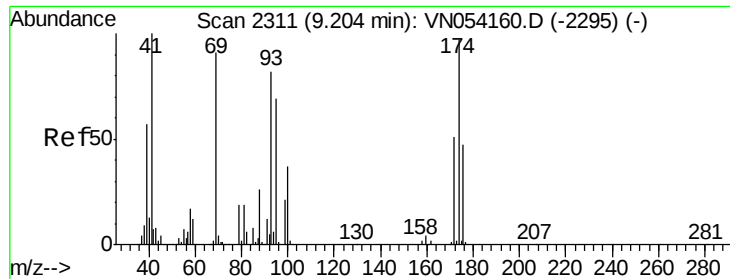
69 90.7 72.6 108.8

39 60.6 47.5 71.3



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

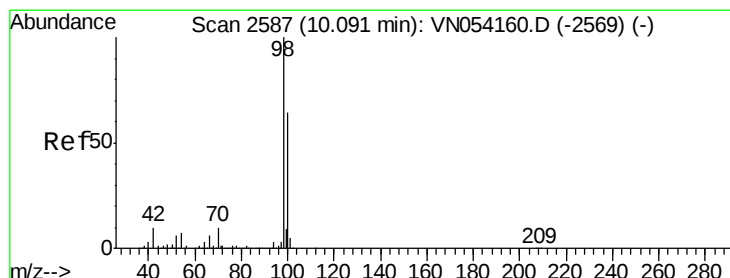
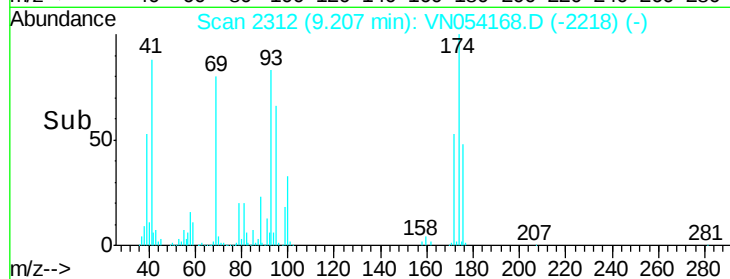
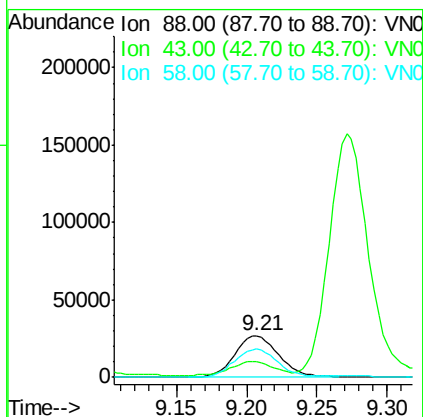
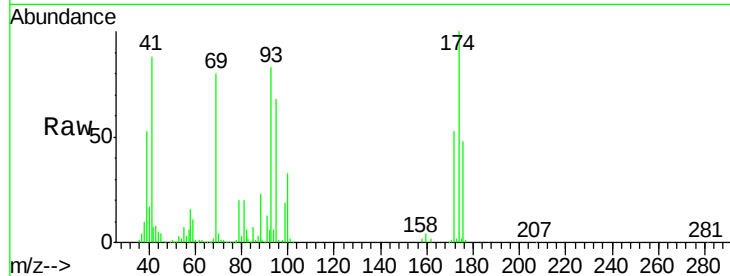




#49
1,4-Dioxane
Concen: 394.914 ug/l
RT: 9.21 min Scan# 2312
Delta R.T. 0.00 min
Lab File: VN054168.D
Acq: 12 Mar 2019 17:23

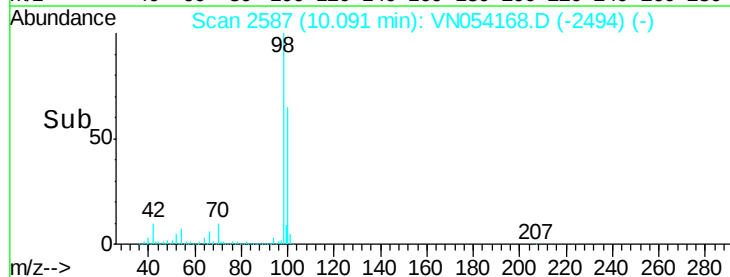
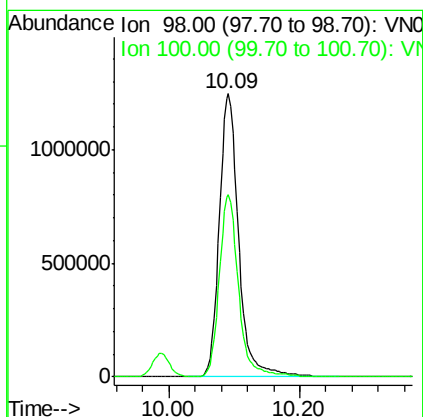
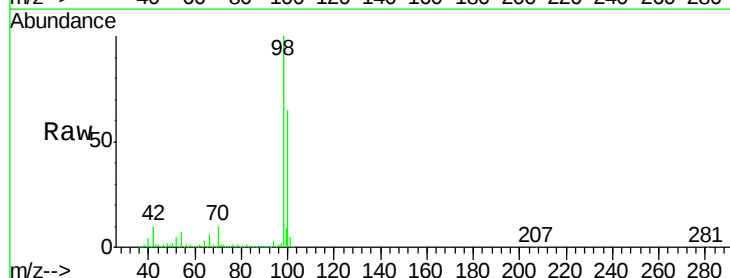
Instrument :
MSVOA_N
ClientSampleId :
VN0312WBS01

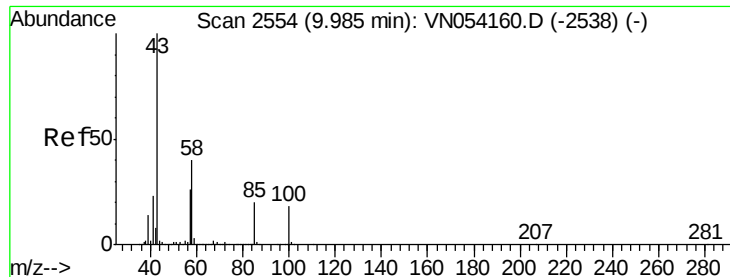
Tot Ion: 88 Resp: 58722
Ion Ratio Lower Upper
88 100
43 33.1 24.1 36.1
58 68.5 50.8 76.2



#50
Toluene-d8
Concen: 48.519 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN054168.D
Acq: 12 Mar 2019 17:23

Tgt Ion: 98 Resp: 2577486
Ion Ratio Lower Upper
98 100
100 64.1 51.2 76.8





#51

4-Methyl-2-Pentanone

Concen: 100.936 ug/l

RT: 9.99 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN054168.D

Acq: 12 Mar 2019 17:23

Instrument :

MSVOA_N

ClientSampleId :

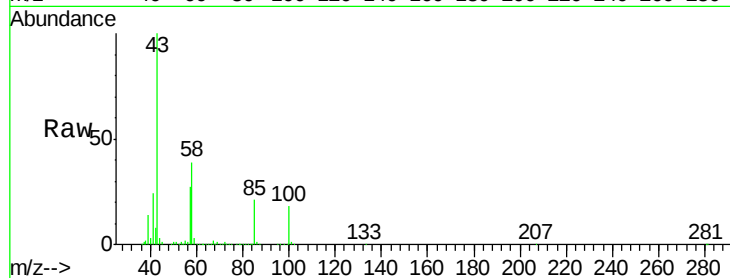
VN0312WBS01

Tot Ion: 43 Resp: 1106489

Ion Ratio Lower Upper

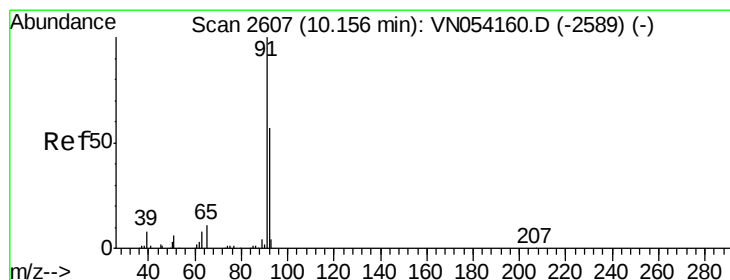
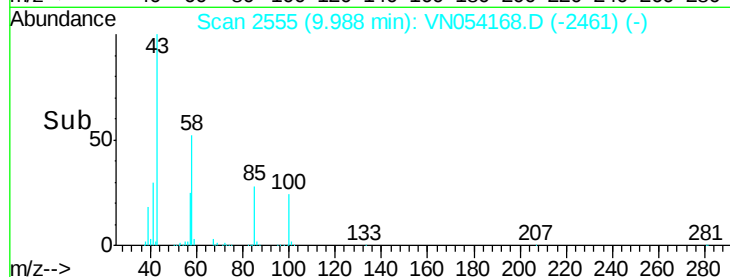
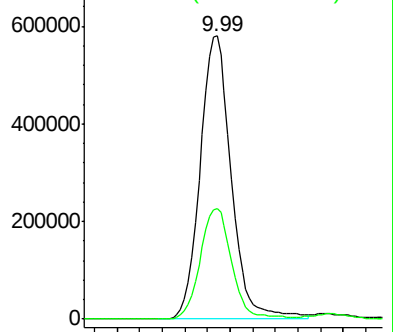
43 100

58 39.7 31.8 47.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 20.797 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN054168.D

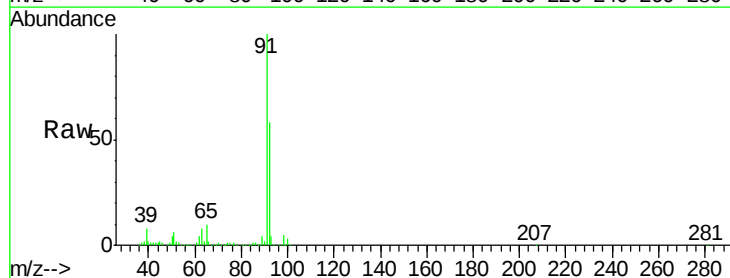
Acq: 12 Mar 2019 17:23

Tgt Ion: 92 Resp: 775034

Ion Ratio Lower Upper

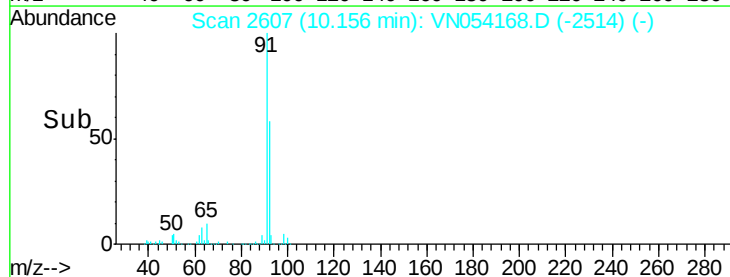
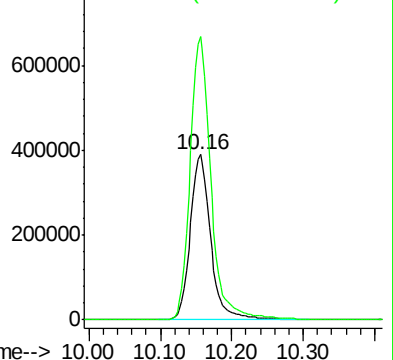
92 100

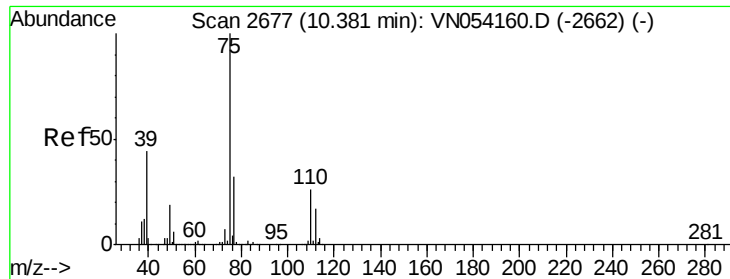
91 174.4 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 18.923 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN054168.D

Acq: 12 Mar 2019 17:23

Instrument :

MSVOA_N

ClientSampled :

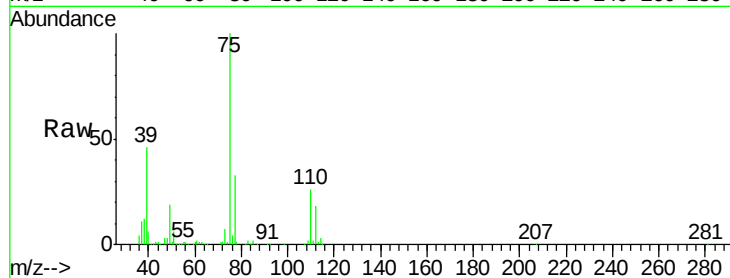
VN0312WBS01

Tot Ion: 75 Resp: 398774

Ion Ratio Lower Upper

75 100

77 32.6 25.8 38.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

250000

200000

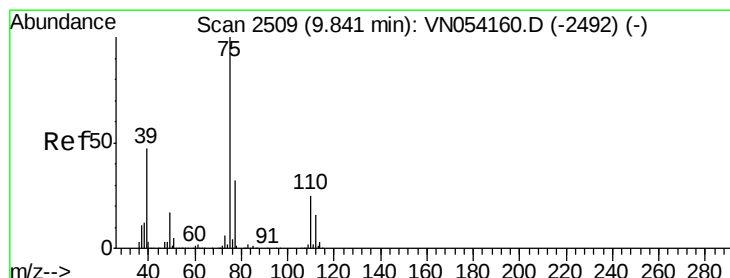
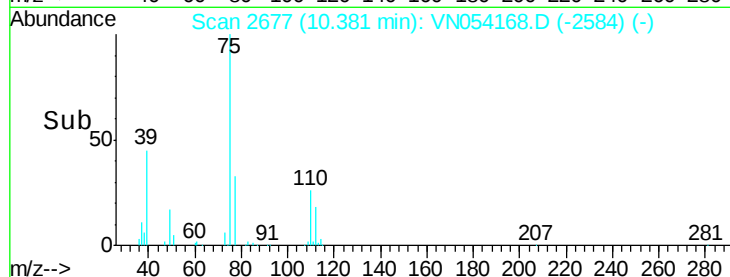
150000

100000

50000

0

Time--> 10.30 10.40 10.50



#54

cis-1,3-Dichloropropene

Concen: 20.321 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN054168.D

Acq: 12 Mar 2019 17:23

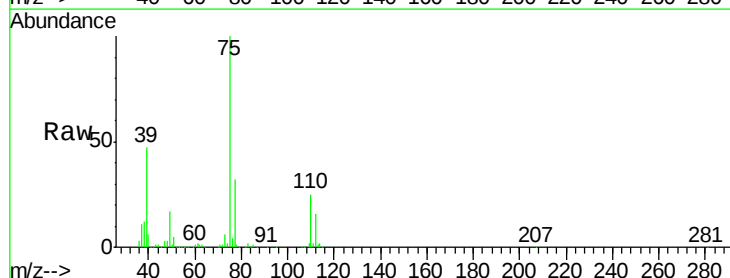
Tgt Ion: 75 Resp: 468105

Ion Ratio Lower Upper

75 100

77 31.9 25.4 38.0

39 46.4 37.2 55.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.84

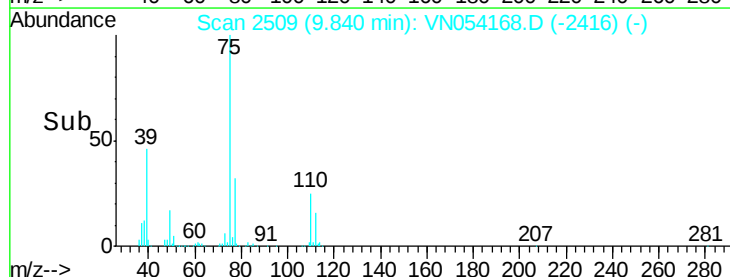
300000

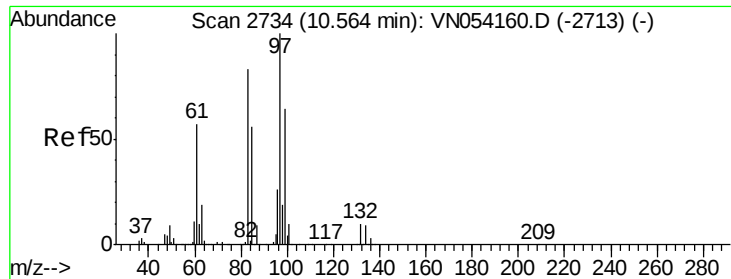
200000

100000

0

Time--> 9.70 9.80 9.90 10.00

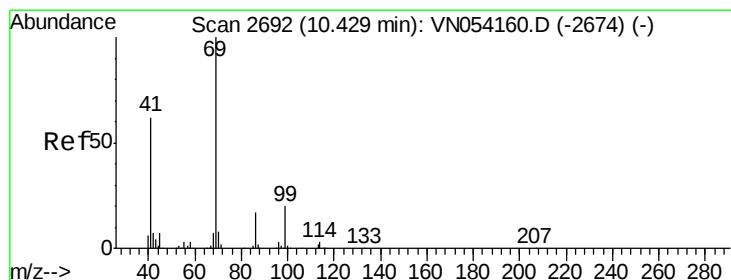
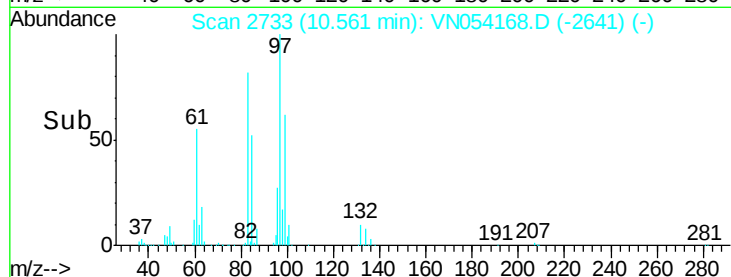
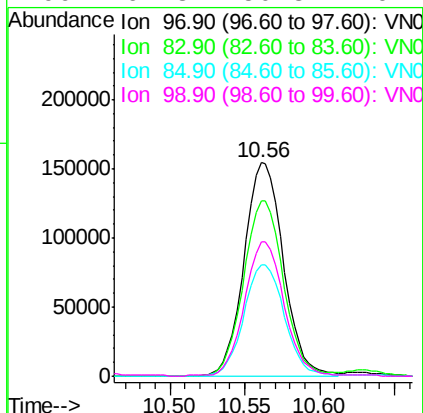
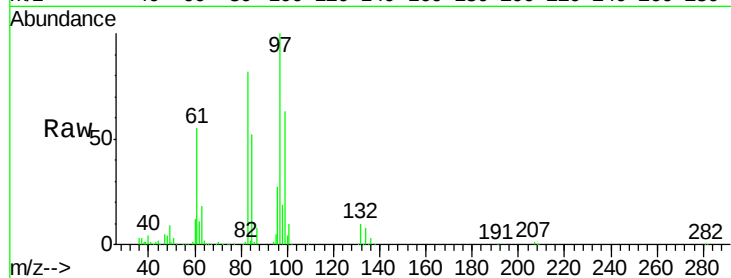




#55
 1,1,2-Trichloroethane
 Concen: 20.807 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN054168.D
 Acq: 12 Mar 2019 17:23

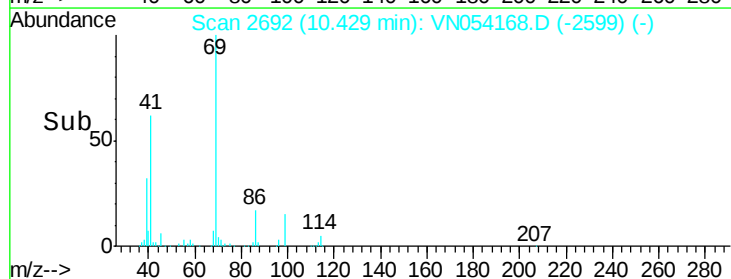
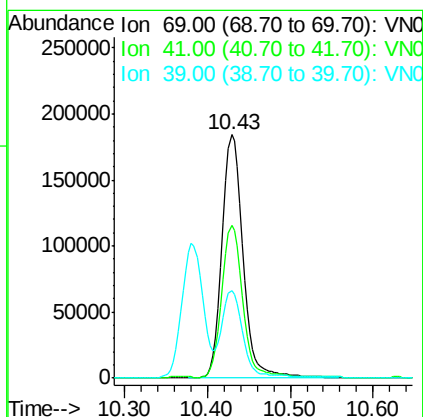
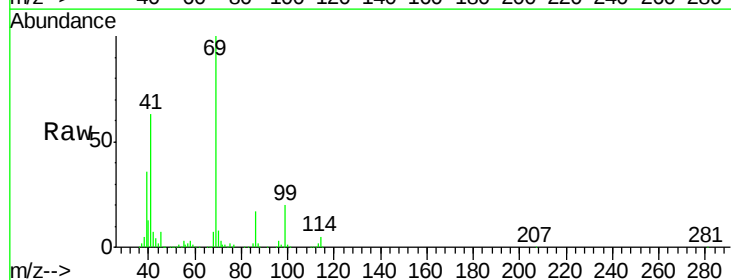
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0312WBS01

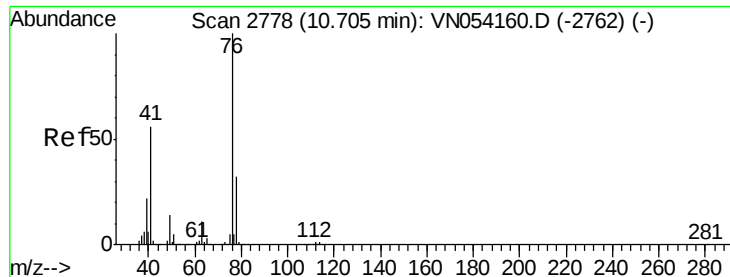
Tot Ion:	97	Resp:	283135
Ion	Ratio	Lower	Upper
97	100		
83	81.9	66.6	100.0
85	52.3	44.4	66.6
99	62.3	50.8	76.2



#56
 Ethyl methacrylate
 Concen: 20.002 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN054168.D
 Acq: 12 Mar 2019 17:23

Tgt Ion:	69	Resp:	324528
Ion	Ratio	Lower	Upper
69	100		
41	61.7	49.4	74.2
39	33.6	28.3	42.5





#57

1,3-Dichloropropane

Concen: 20.678 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN054168.D

Acq: 12 Mar 2019 17:23

Instrument :

MSVOA_N

ClientSampled :

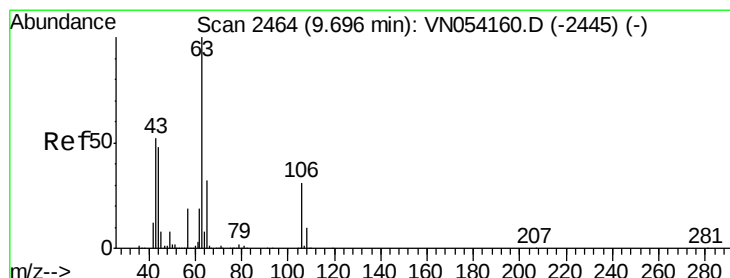
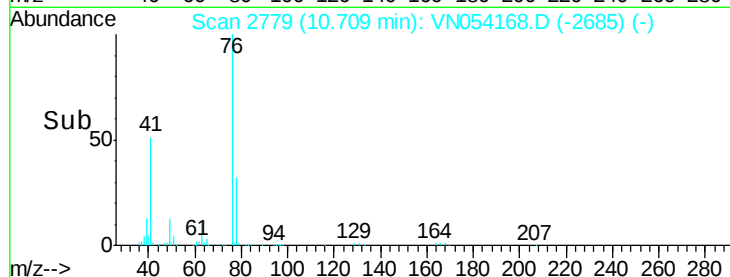
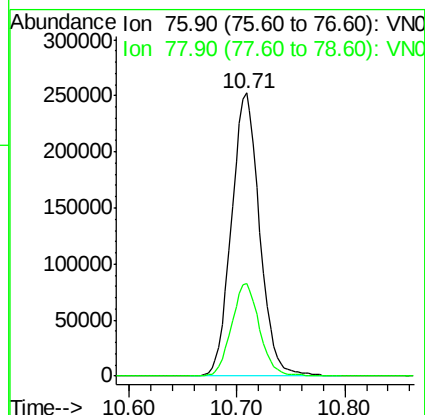
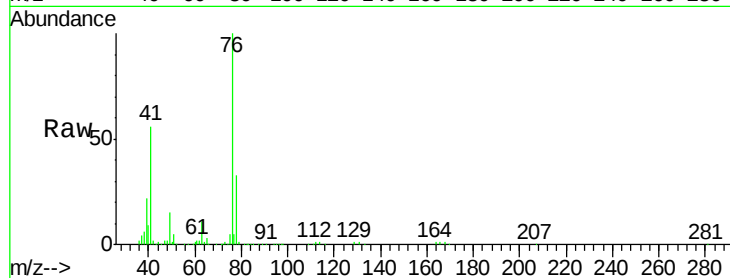
VN0312WBS01

Tot Ion: 76 Resp: 460096

Ion Ratio Lower Upper

76 100

78 32.5 25.7 38.5



#58

2-Chloroethyl Vinyl ether

Concen: 96.218 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN054168.D

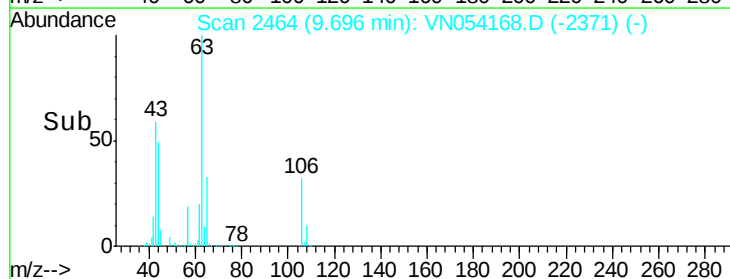
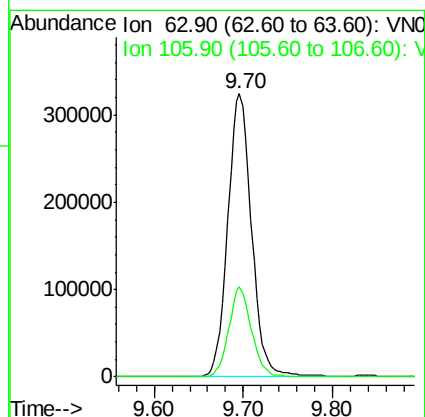
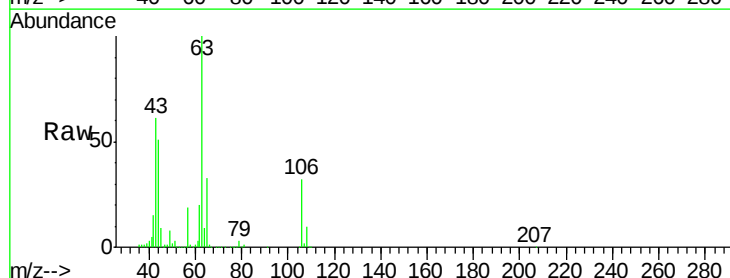
Acq: 12 Mar 2019 17:23

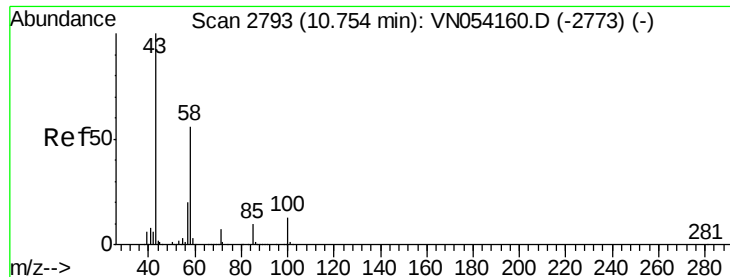
Tgt Ion: 63 Resp: 599168

Ion Ratio Lower Upper

63 100

106 30.2 24.4 36.6

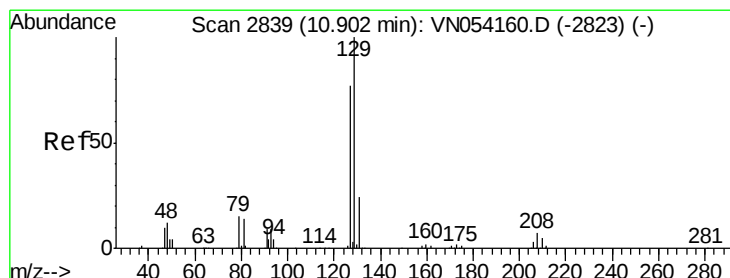
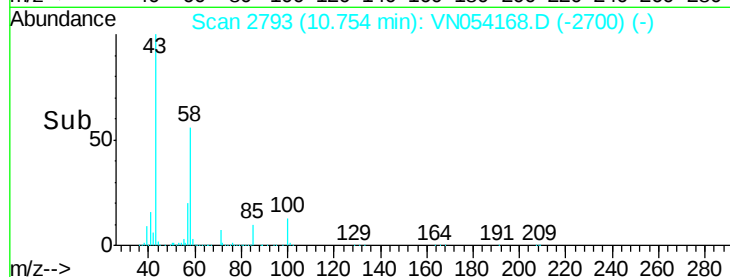
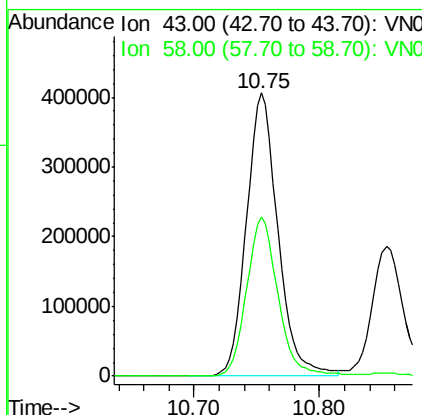
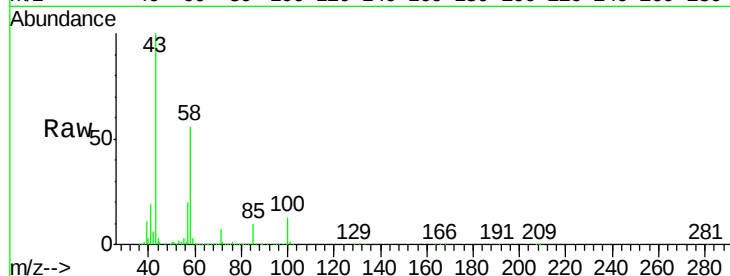




#59
2-Hexanone
Concen: 96.968 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN054168.D
Acq: 12 Mar 2019 17:23

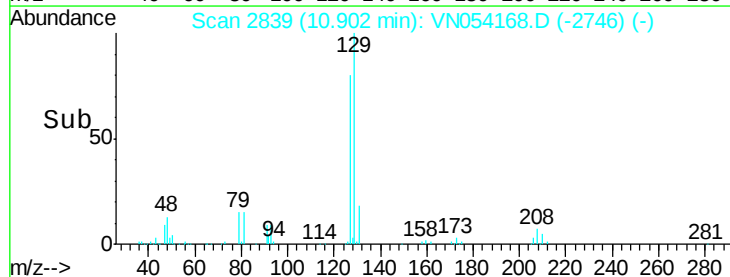
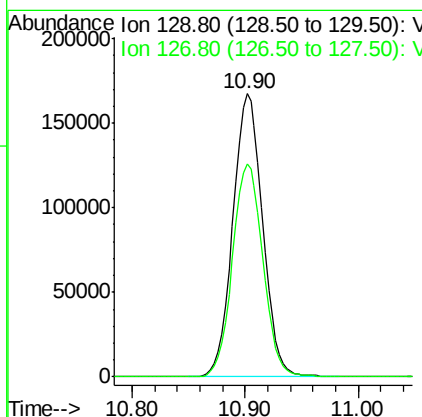
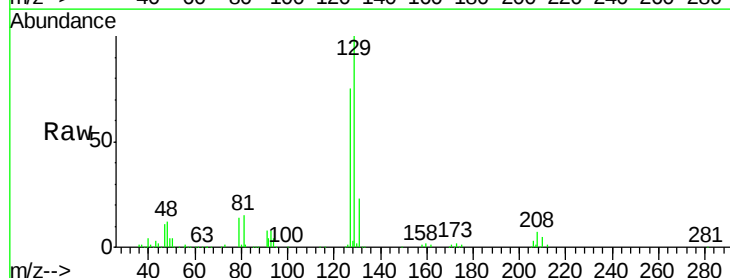
Instrument :
MSVOA_N
ClientSampled :
VN0312WBS01

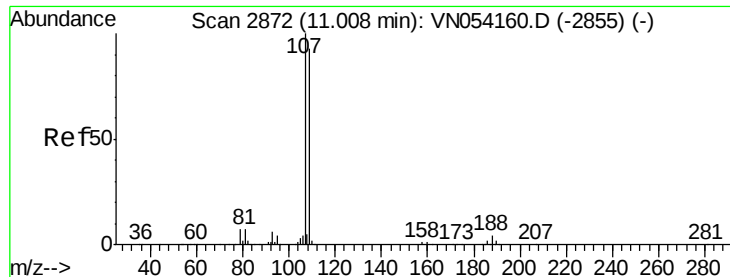
Tot Ion: 43 Resp: 707313
Ion Ratio Lower Upper
43 100
58 56.3 28.0 83.9



#60
Dibromochloromethane
Concen: 20.038 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN054168.D
Acq: 12 Mar 2019 17:23

Tgt Ion: 129 Resp: 306905
Ion Ratio Lower Upper
129 100
127 76.9 38.6 115.8





#61

1,2-Dibromoethane

Concen: 20.766 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. -0.00 min

Lab File: VN054168.D

Acq: 12 Mar 2019 17:23

Instrument :

MSVOA_N

ClientSampleId :

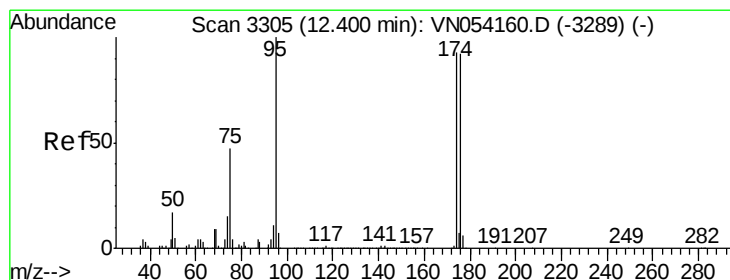
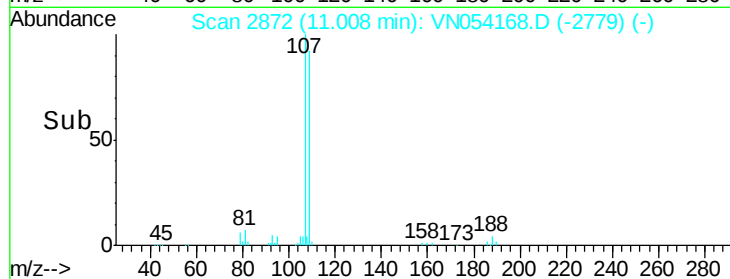
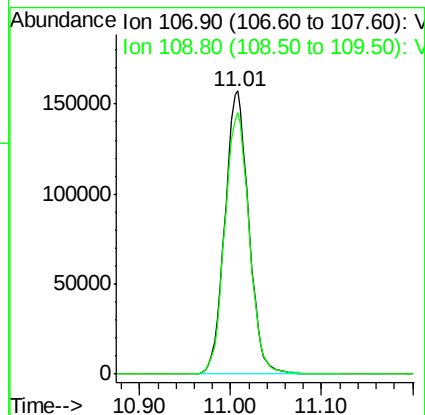
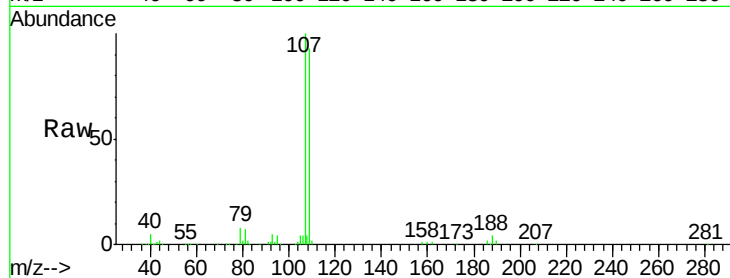
VN0312WBS01

Tot Ion:107 Resp: 287158

Ion Ratio Lower Upper

107 100

109 94.9 75.9 113.9



#62

4-Bromofluorobenzene

Concen: 47.774 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN054168.D

Acq: 12 Mar 2019 17:23

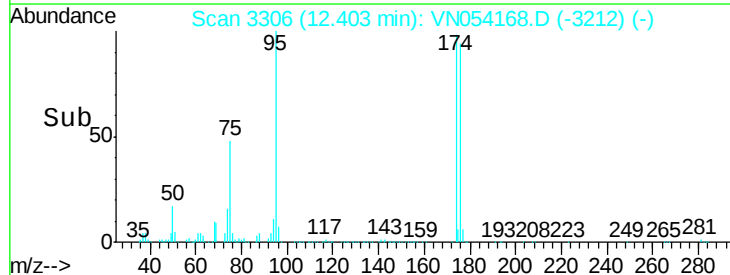
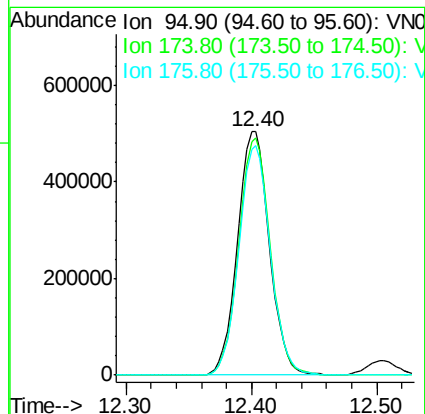
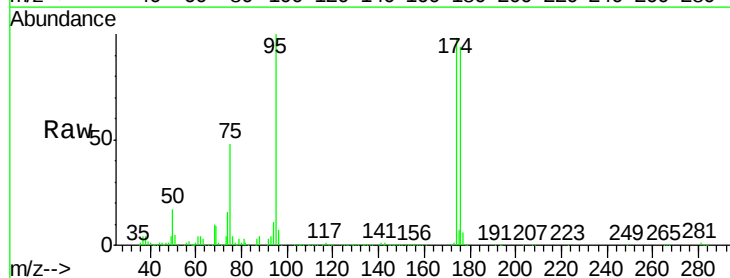
Tgt Ion: 95 Resp: 888008

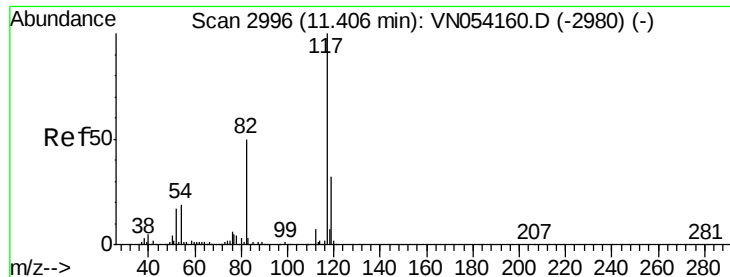
Ion Ratio Lower Upper

95 100

174 96.4 0.0 191.0

176 93.6 0.0 187.4

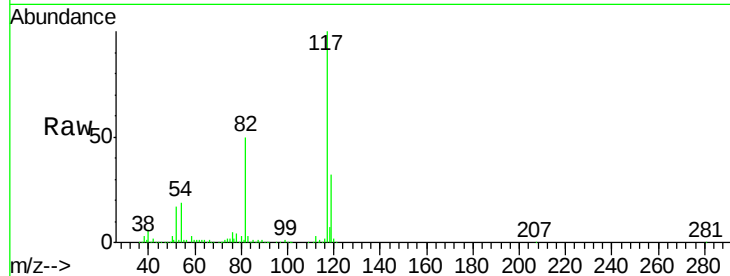




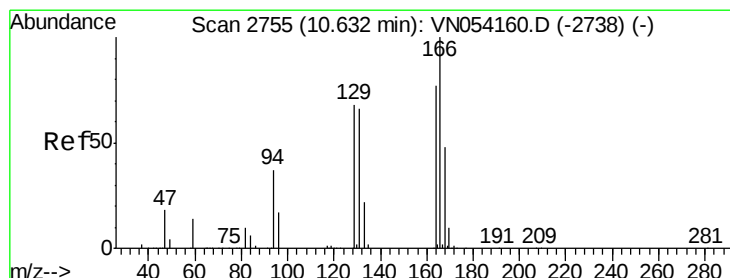
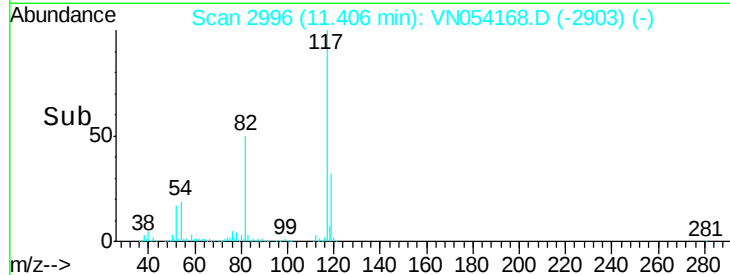
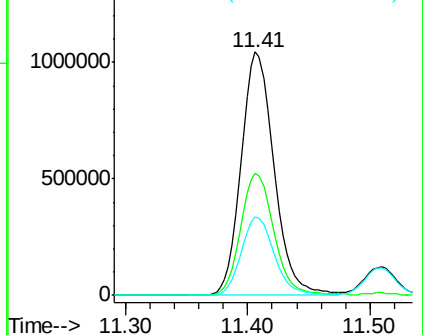
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054168.D
Acq: 12 Mar 2019 17:23

Instrument :
MSVOA_N
ClientSampled :
VN0312WBS01

Tot Ion:117 Resp: 1948259
Ion Ratio Lower Upper
117 100
82 50.3 40.0 60.0
119 32.1 25.8 38.6

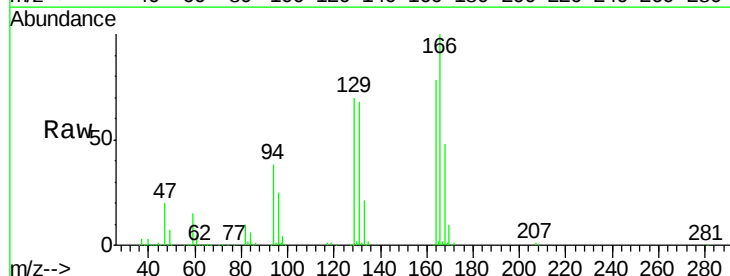


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

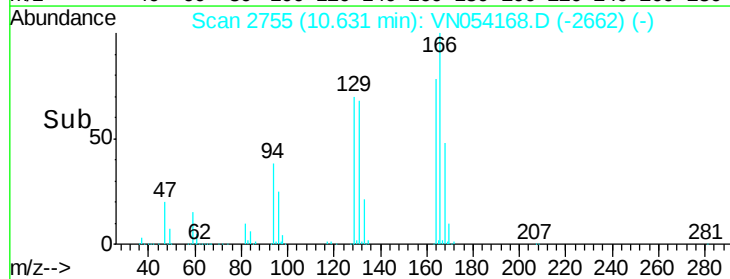
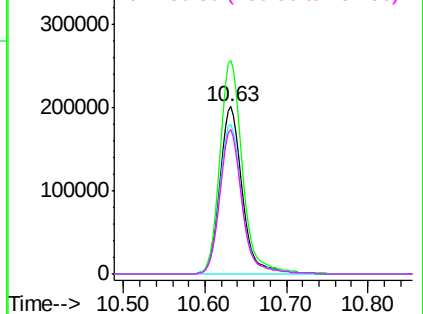


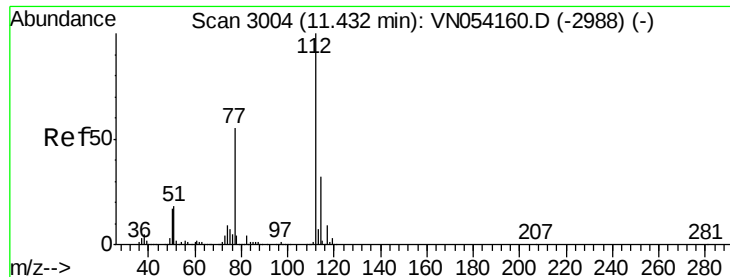
#64
Tetrachloroethene
Concen: 20.860 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN054168.D
Acq: 12 Mar 2019 17:23

Tgt Ion:164 Resp: 392930
Ion Ratio Lower Upper
164 100
166 127.8 103.9 155.9
129 89.8 71.1 106.7
131 86.4 68.2 102.4



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 20.797 ug/l

RT: 11.44 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VN054168.D

Acq: 12 Mar 2019 17:23

Instrument :

MSVOA_N

ClientSampled :

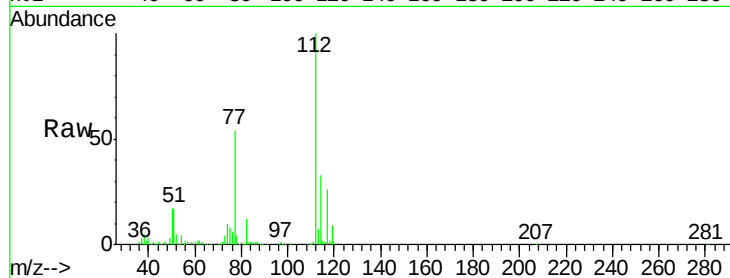
VN0312WBS01

Tot Ion:112 Resp: 889655

Ion Ratio Lower Upper

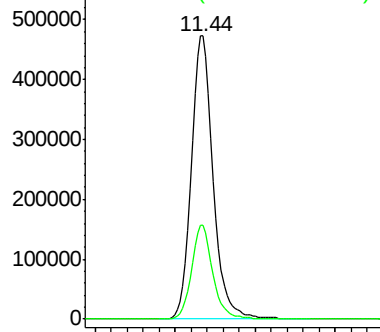
112 100

114 33.2 25.9 38.9

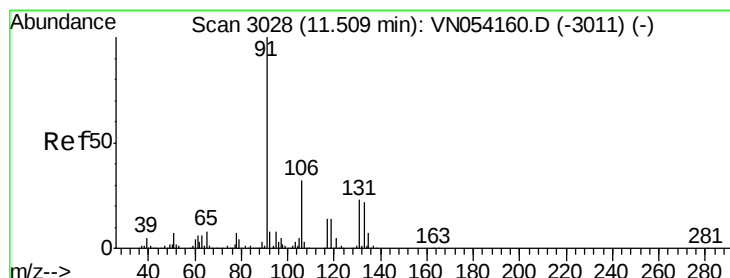
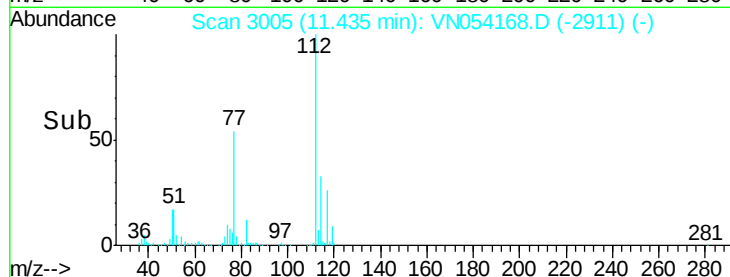


Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



Time--> 11.30 11.40 11.50 11.60



#66

1,1,1,2-Tetrachloroethane

Concen: 20.594 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN054168.D

Acq: 12 Mar 2019 17:23

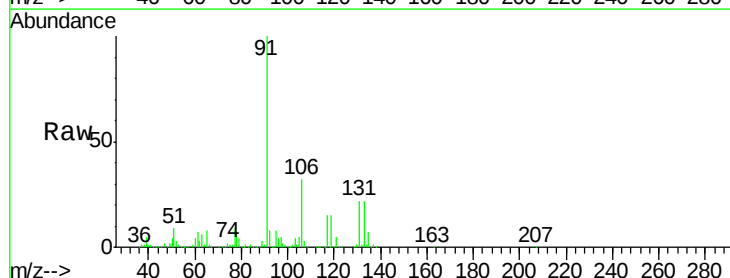
Tgt Ion:131 Resp: 320044

Ion Ratio Lower Upper

131 100

133 96.3 47.6 142.9

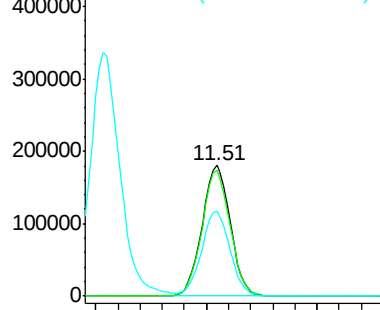
119 65.5 32.4 97.0



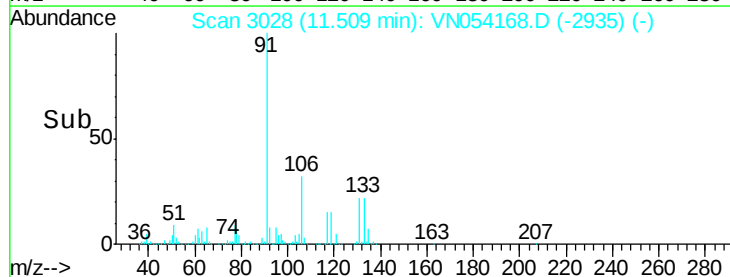
Abundance Ion 130.80 (130.50 to 131.50): V

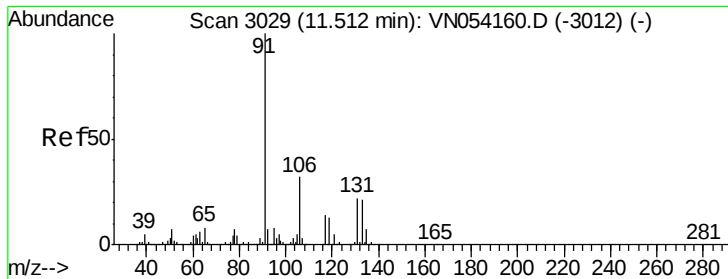
Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V



Time--> 11.40 11.50 11.60

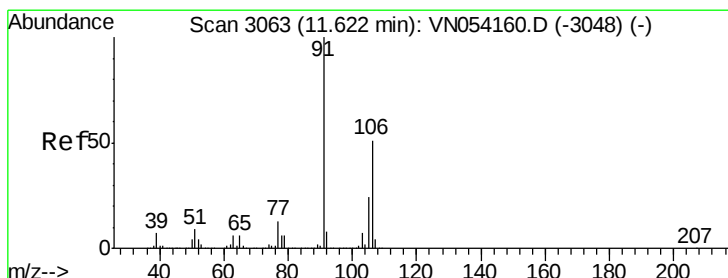
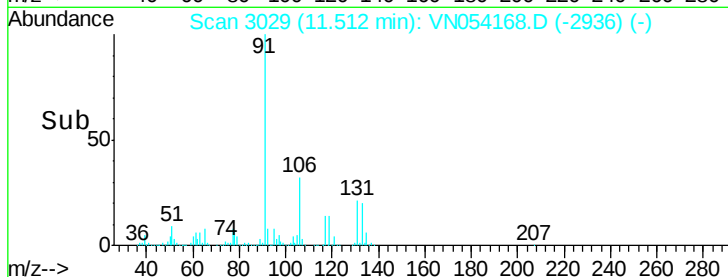
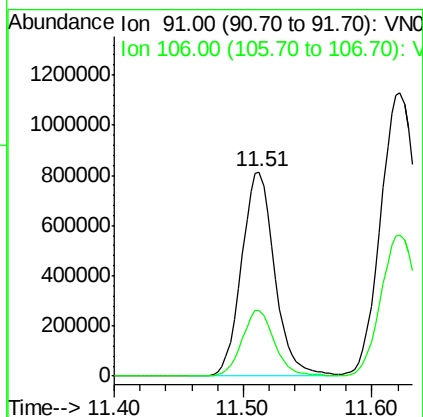
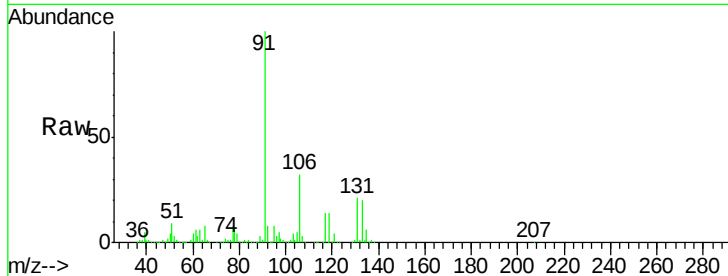




#67
Ethyl Benzene
Concen: 20.468 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN054168.D
Acq: 12 Mar 2019 17:23

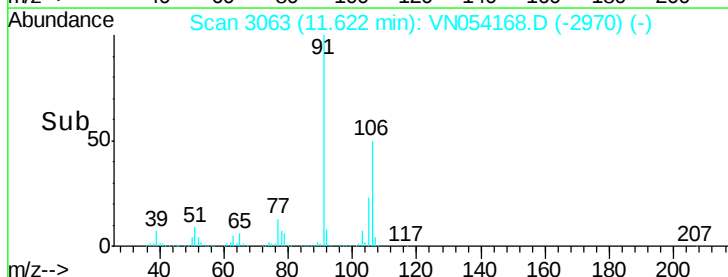
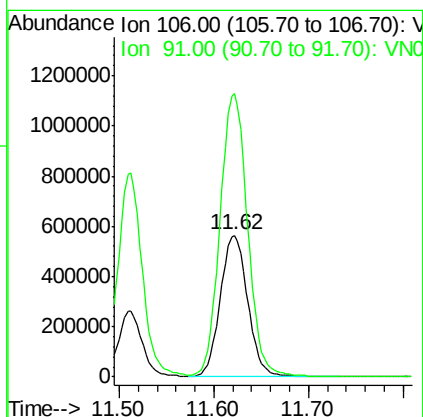
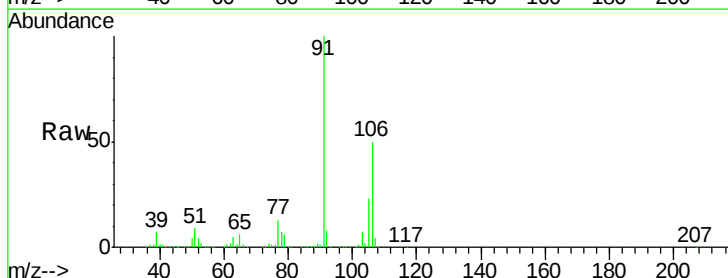
Instrument :
MSVOA_N
ClientSampled :
VN0312WBS01

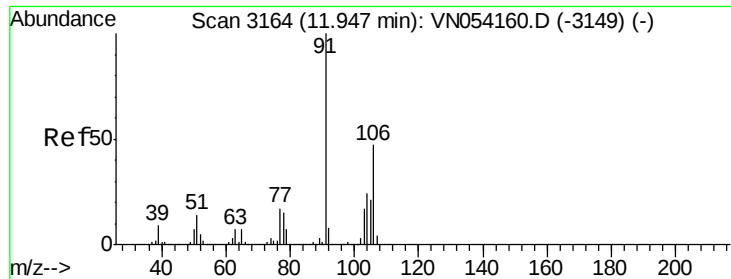
Tot Ion: 91 Resp: 1451416
Ion Ratio Lower Upper
91 100
106 32.5 25.5 38.3



#68
m/p-Xylenes
Concen: 41.133 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN054168.D
Acq: 12 Mar 2019 17:23

Tgt Ion: 106 Resp: 1140033
Ion Ratio Lower Upper
106 100
91 200.9 159.4 239.2

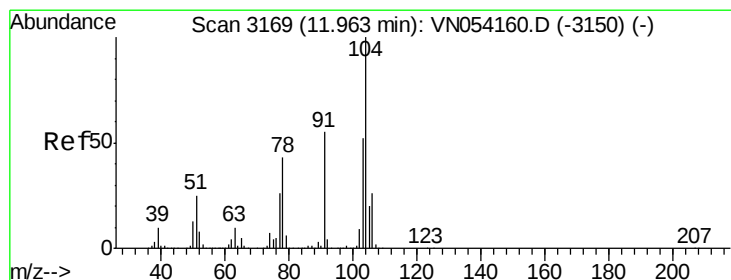
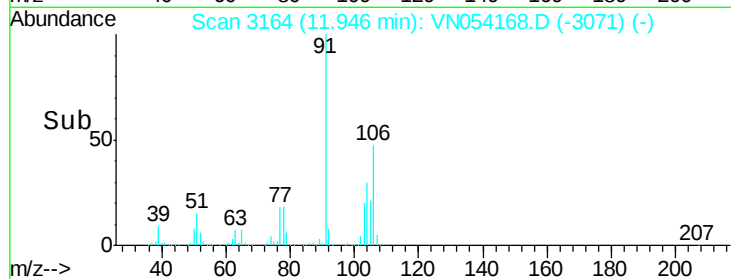
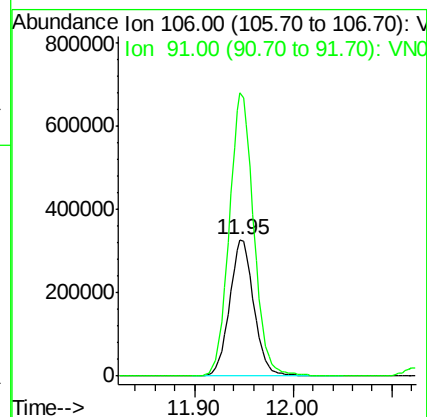
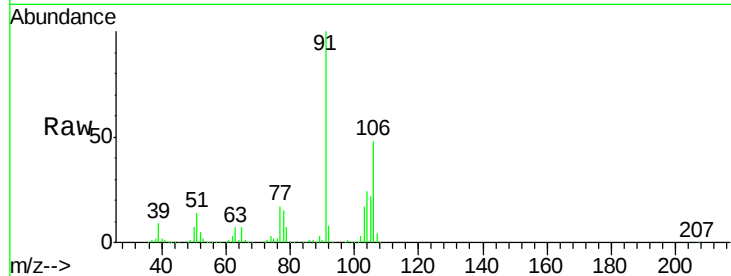




#69
o-Xylene
Concen: 20.860 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN054168.D
Acq: 12 Mar 2019 17:23

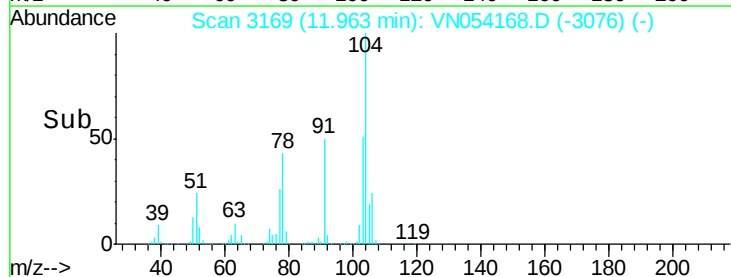
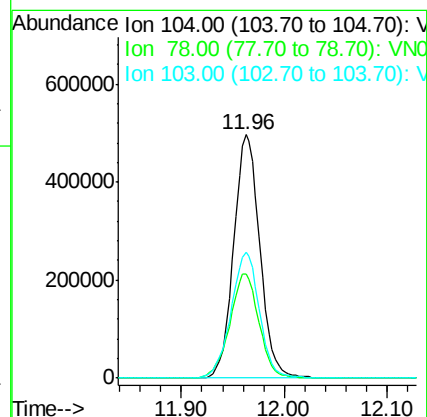
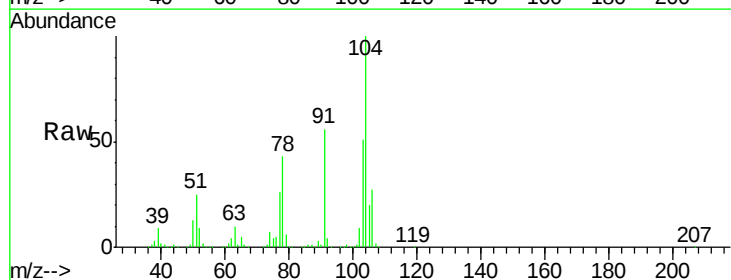
Instrument :
MSVOA_N
ClientSampleId :
VN0312WBS01

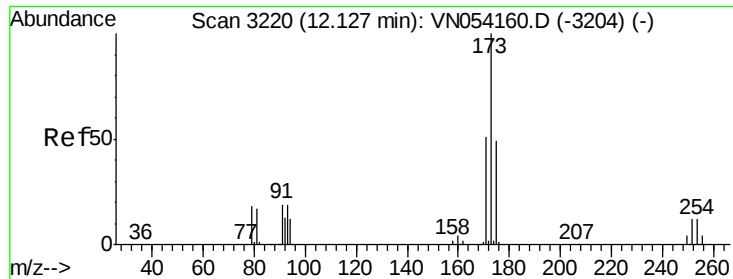
Tot Ion:106 Resp: 563615
Ion Ratio Lower Upper
106 100
91 209.1 105.7 317.1



#70
Styrene
Concen: 20.751 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN054168.D
Acq: 12 Mar 2019 17:23

Tgt Ion:104 Resp: 879313
Ion Ratio Lower Upper
104 100
78 47.7 38.2 57.2
103 56.0 44.4 66.6

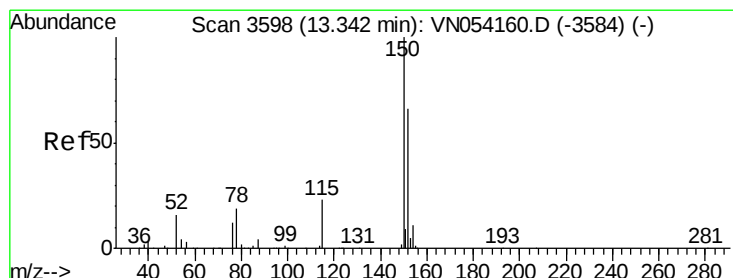
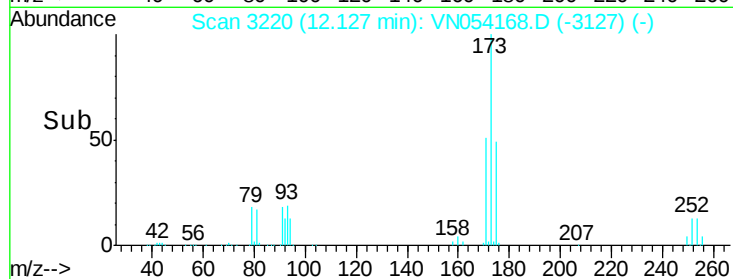
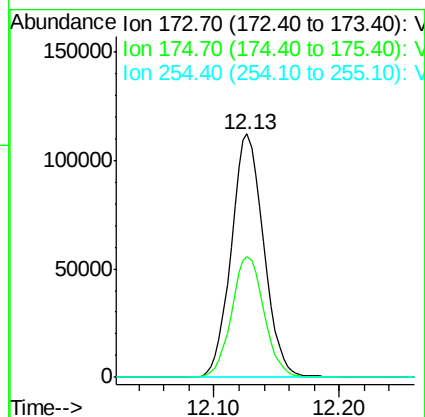
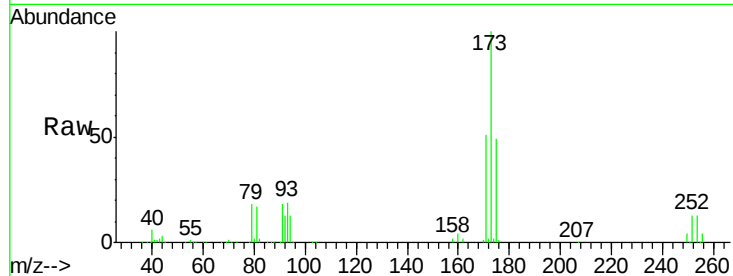




#71
Bromoform
Concen: 18.553 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN054168.D
Acq: 12 Mar 2019 17:23

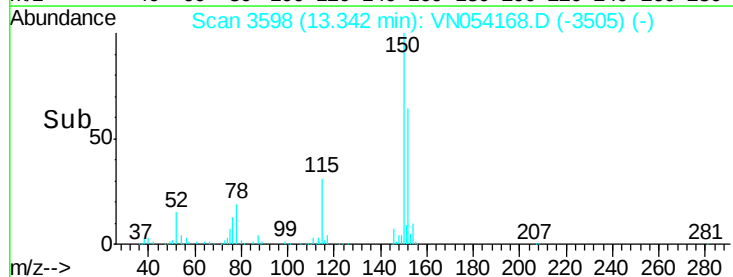
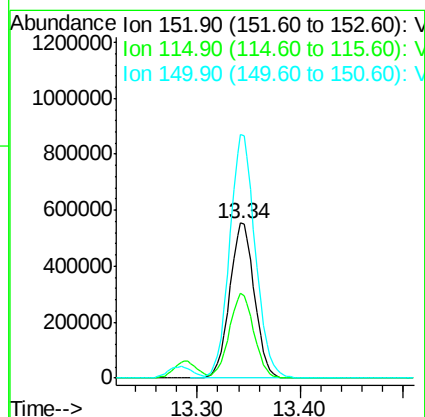
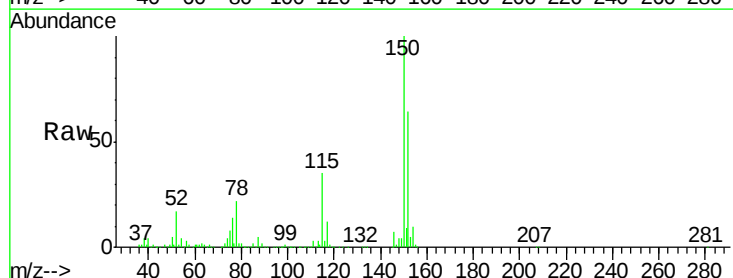
Instrument :
MSVOA_N
ClientSampled :
VN0312WBS01

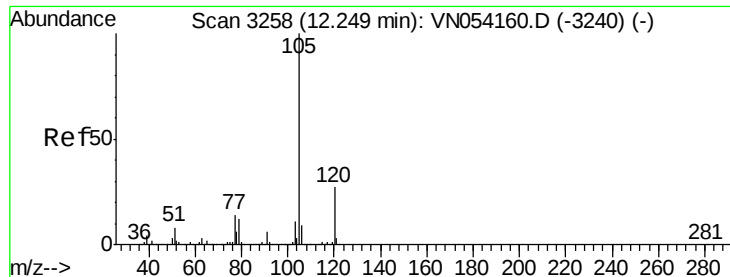
Tot Ion:173 Resp: 201408
Ion Ratio Lower Upper
173 100
175 49.5 24.4 73.2
254 0.1 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN054168.D
Acq: 12 Mar 2019 17:23

Tgt Ion:152 Resp: 924059
Ion Ratio Lower Upper
152 100
115 54.2 27.2 81.6
150 163.3 0.0 349.2





#73

Isopropylbenzene

Concen: 20.191 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN054168.D

Acq: 12 Mar 2019 17:23

Instrument :

MSVOA_N

ClientSampleId :

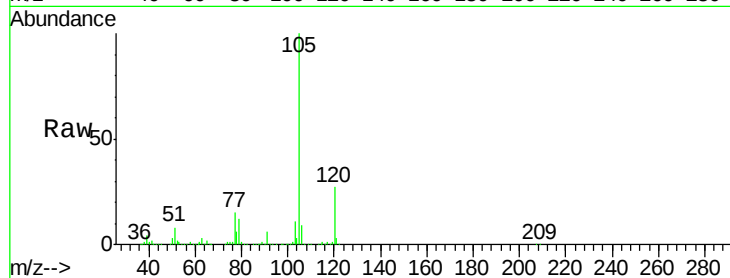
VN0312WBS01

Tot Ion:105 Resp: 1492754

Ion Ratio Lower Upper

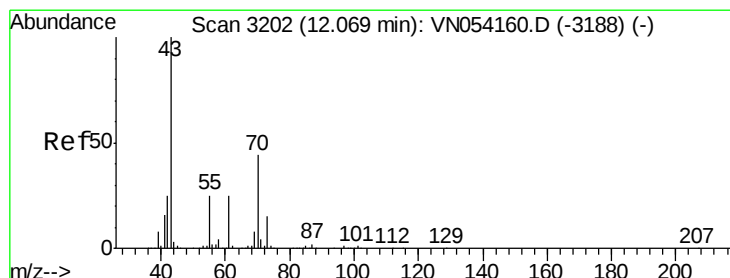
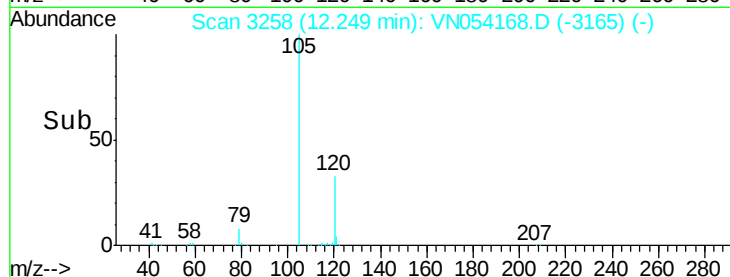
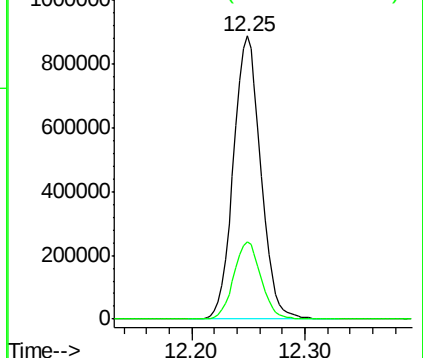
105 100

120 27.3 13.8 41.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.459 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN054168.D

Acq: 12 Mar 2019 17:23

Tgt Ion: 43 Resp: 319332

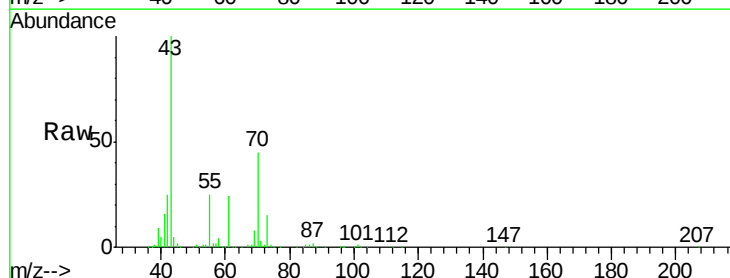
Ion Ratio Lower Upper

43 100

70 45.9 35.4 53.0

55 25.8 19.8 29.6

61 25.0 19.8 29.6

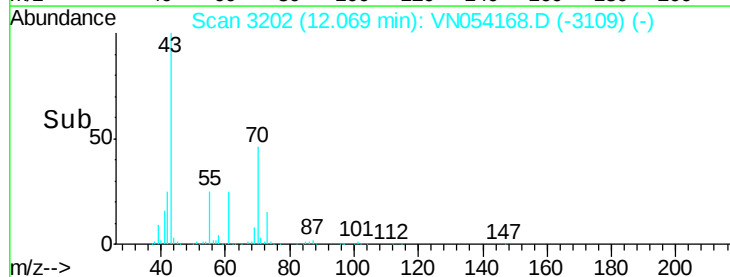
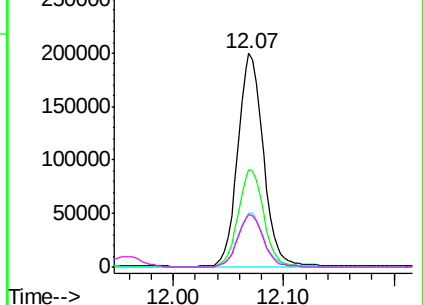


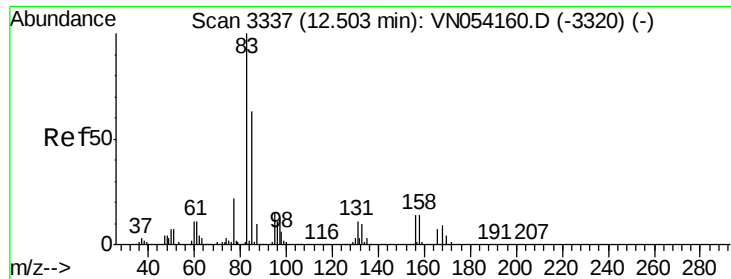
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 19.808 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN054168.D

Acq: 12 Mar 2019 17:23

Instrument :

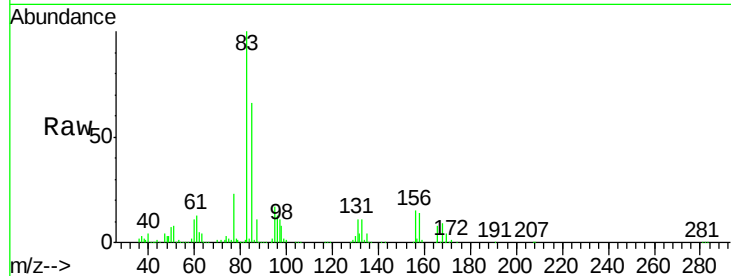
MSVOA_N

ClientSampleId :

VN0312WBS01

Tot Ion: 83 Resp: 311995

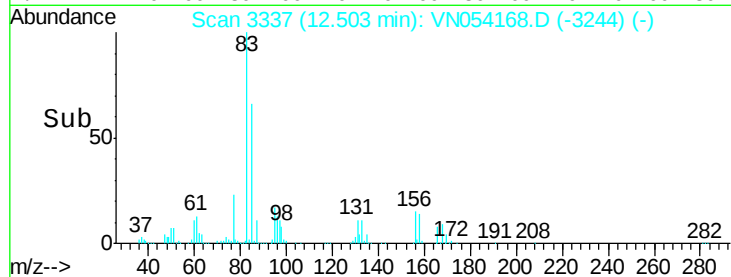
Ion	Ratio	Lower	Upper
83	100		
131	11.5	5.8	17.4
85	64.9	32.2	96.6



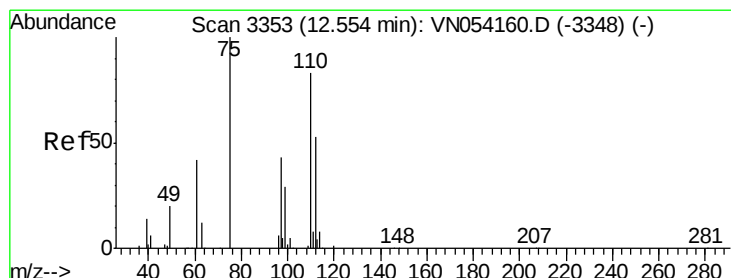
Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



Time-->



#76

1,2,3-Trichloropropane

Concen: 28.457 ug/l

RT: 12.55 min Scan# 3353

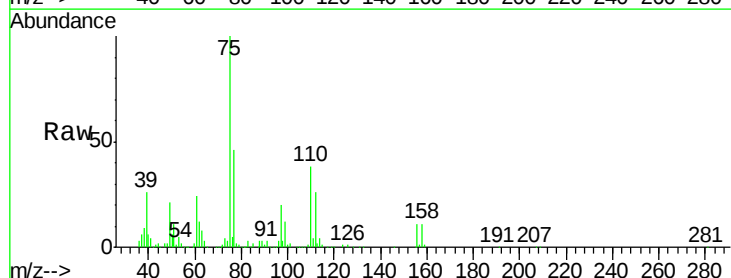
Delta R.T. -0.00 min

Lab File: VN054168.D

Acq: 12 Mar 2019 17:23

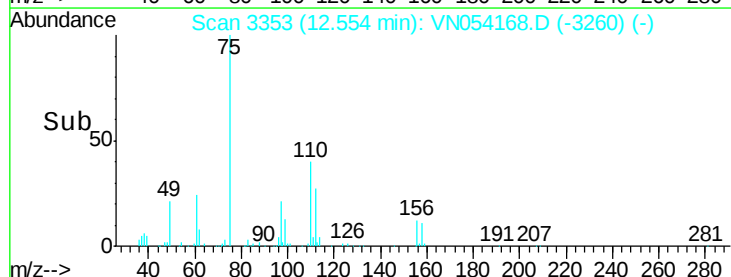
Tgt Ion: 75 Resp: 386698

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

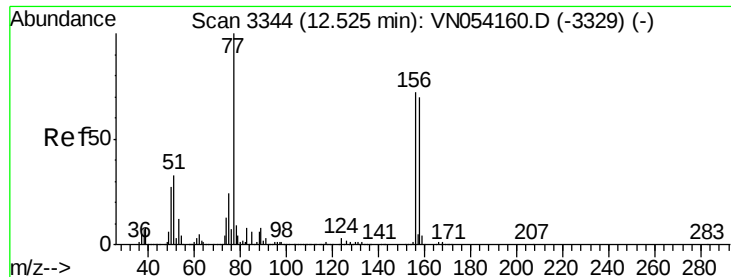


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



Time-->



#77

Bromobenzene

Concen: 20.125 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN054168.D

Acq: 12 Mar 2019 17:23

Instrument :

MSVOA_N

ClientSampleId :

VN0312WBS01

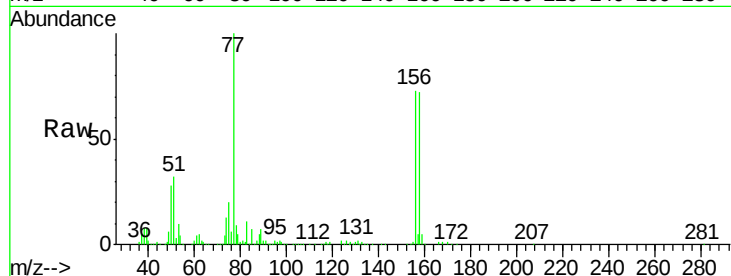
Tot Ion:156 Resp: 393705

Ion Ratio Lower Upper

156 100

77 159.0 81.5 244.4

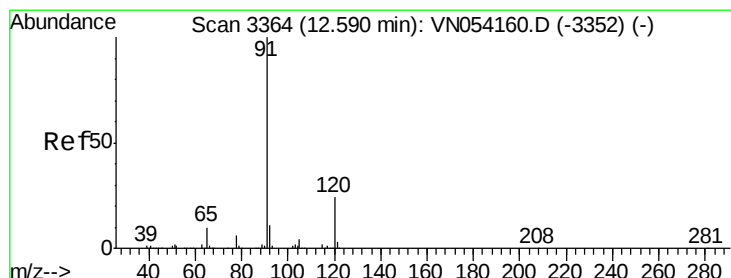
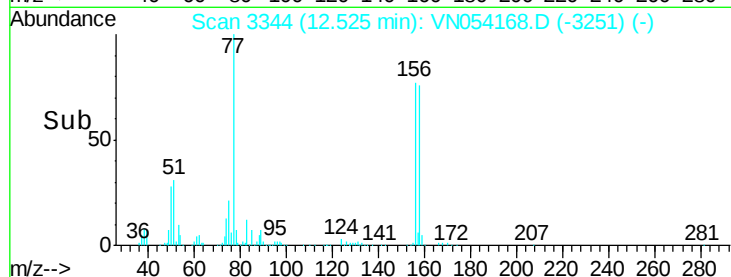
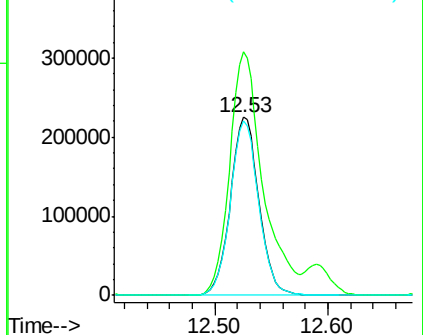
158 97.5 49.0 147.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.365 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN054168.D

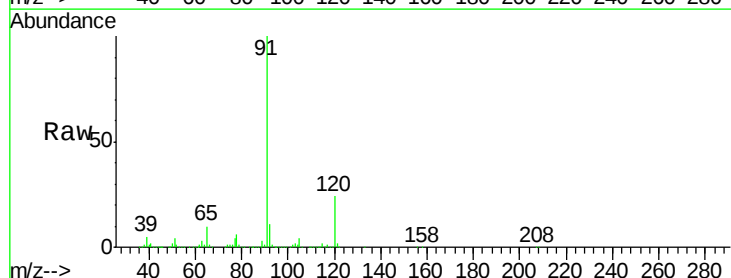
Acq: 12 Mar 2019 17:23

Tgt Ion: 91 Resp: 1633686

Ion Ratio Lower Upper

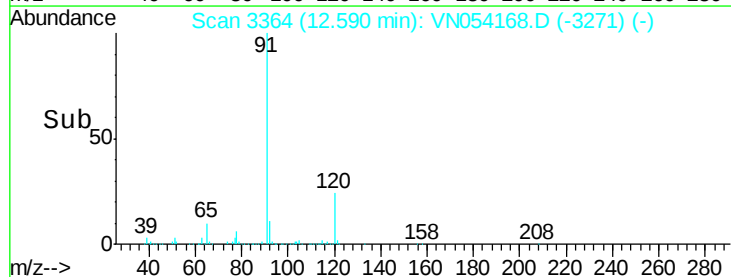
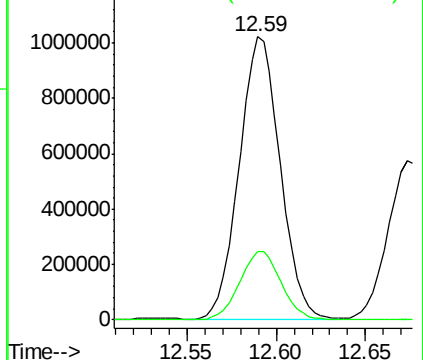
91 100

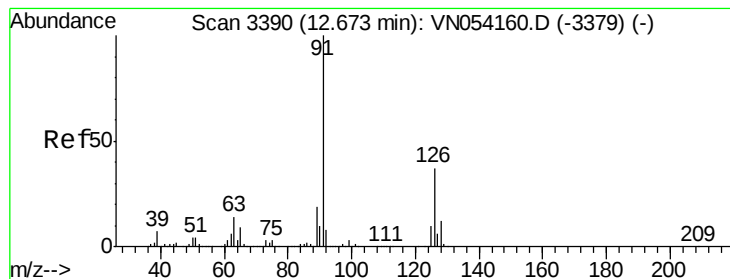
120 24.7 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.154 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN054168.D

Acq: 12 Mar 2019 17:23

Instrument :

MSVOA_N

ClientSampleId :

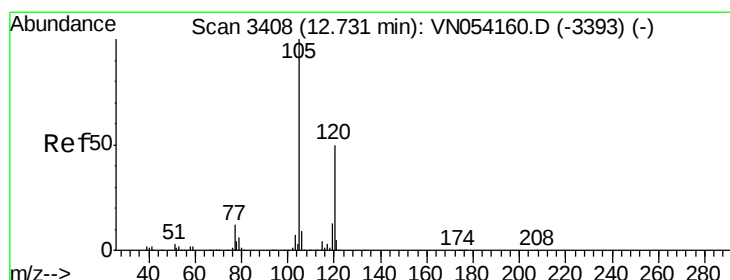
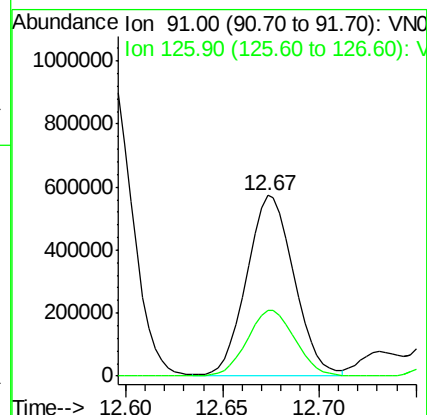
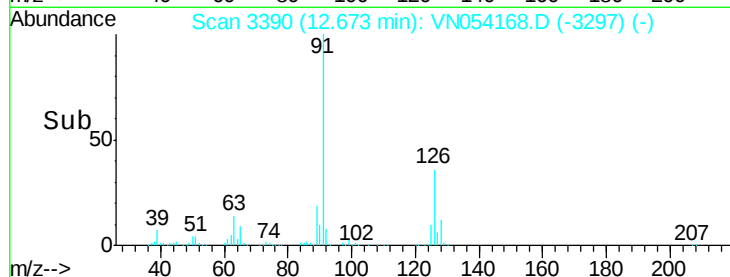
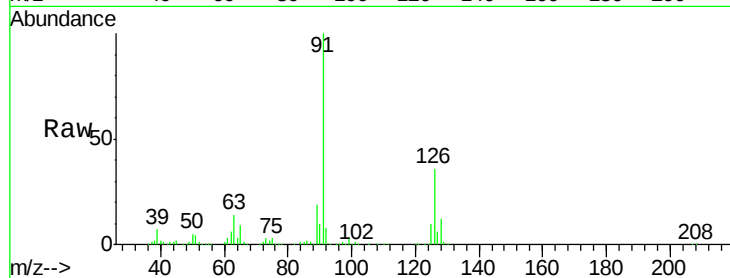
VN0312WBS01

Tot Ion: 91 Resp: 972111

Ion Ratio Lower Upper

91 100

126 37.2 18.7 56.1



#80

1,3,5-Trimethylbenzene

Concen: 20.077 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN054168.D

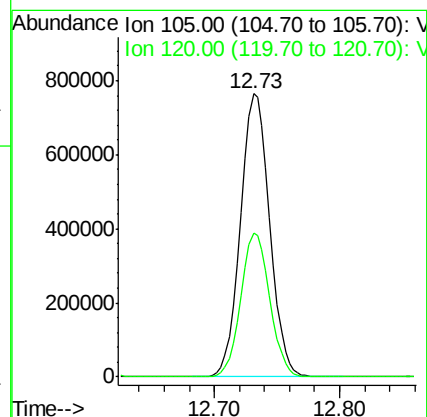
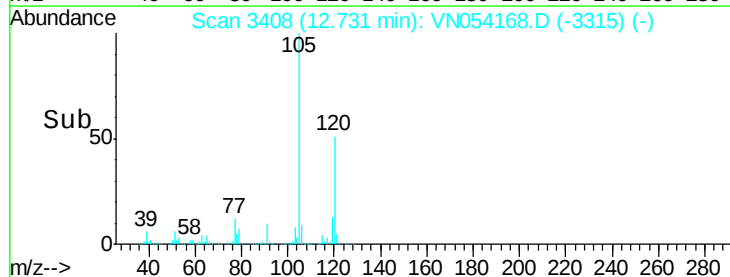
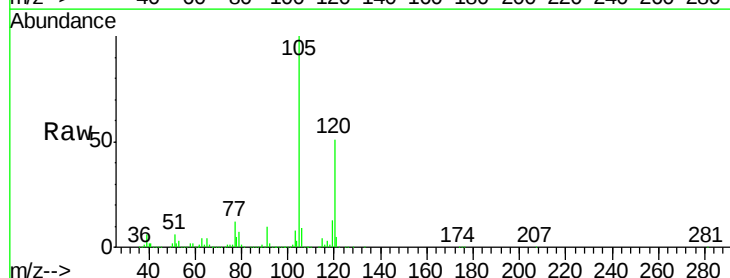
Acq: 12 Mar 2019 17:23

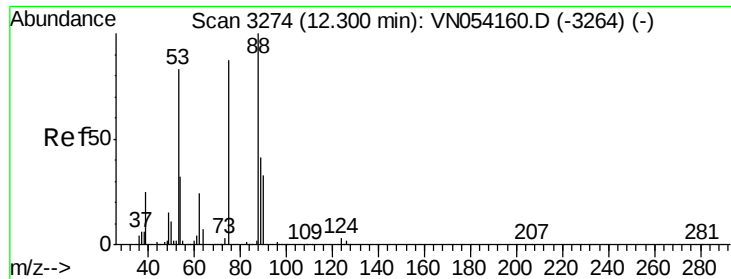
Tgt Ion: 105 Resp: 1234635

Ion Ratio Lower Upper

105 100

120 50.3 25.0 75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 17.874 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN054168.D

Acq: 12 Mar 2019 17:23

Instrument :

MSVOA_N

ClientSampleId :

VN0312WBS01

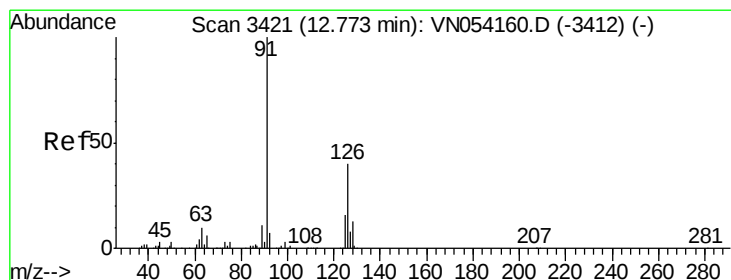
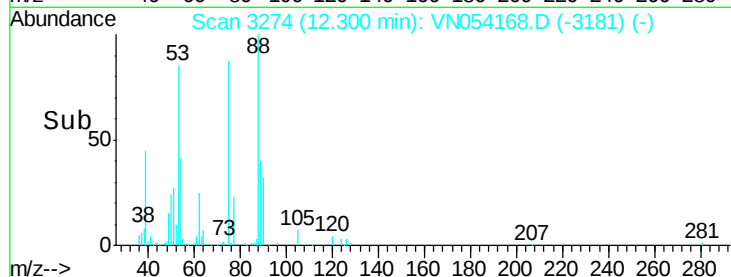
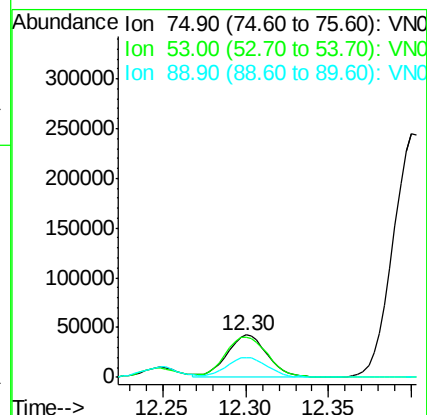
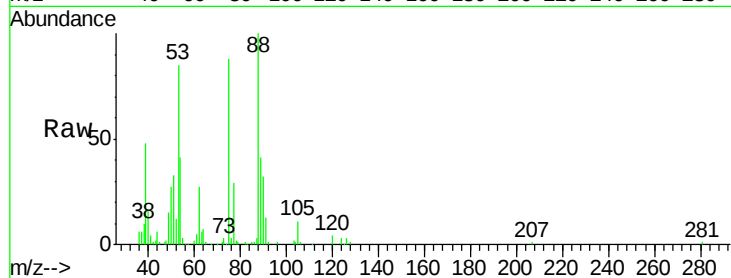
Tot Ion: 75 Resp: 71052

Ion Ratio Lower Upper

75 100

53 101.4 76.2 114.2

89 48.4 39.2 58.8



#82

4-Chlorotoluene

Concen: 20.162 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN054168.D

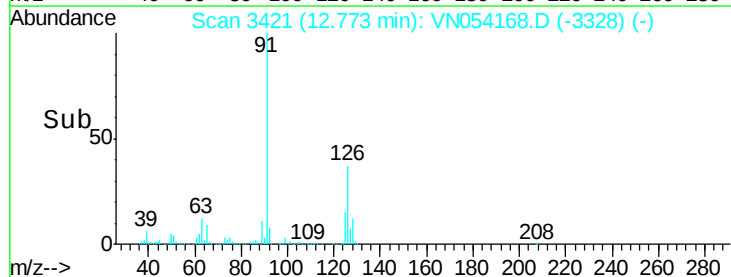
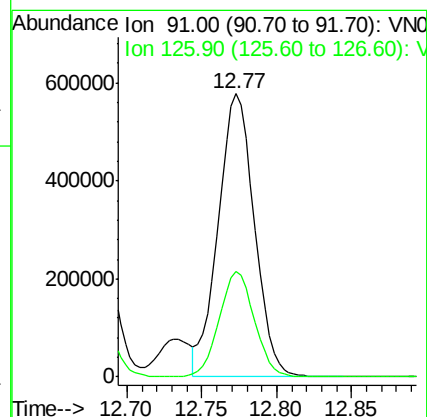
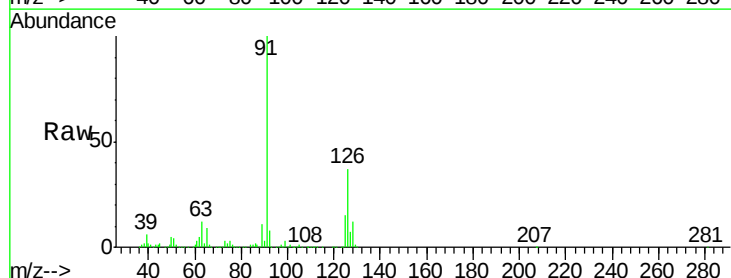
Acq: 12 Mar 2019 17:23

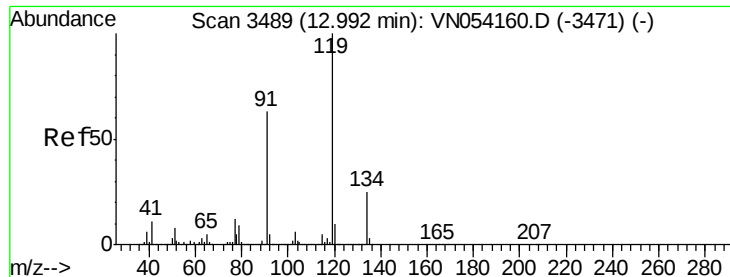
Tgt Ion: 91 Resp: 971053

Ion Ratio Lower Upper

91 100

126 36.3 18.1 54.1





#83

tert-Butylbenzene

Concen: 20.121 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN054168.D

Acq: 12 Mar 2019 17:23

Instrument :

MSVOA_N

ClientSampled :

VN0312WBS01

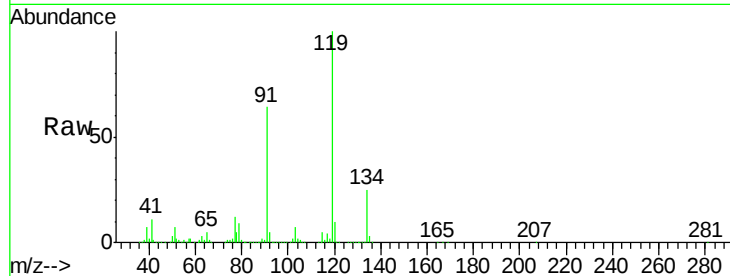
Tot Ion:119 Resp: 1138905

Ion Ratio Lower Upper

119 100

91 62.1 30.9 92.8

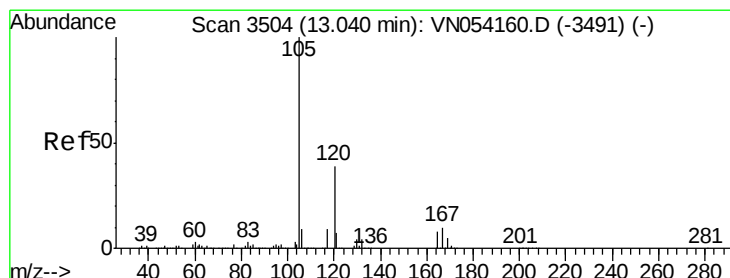
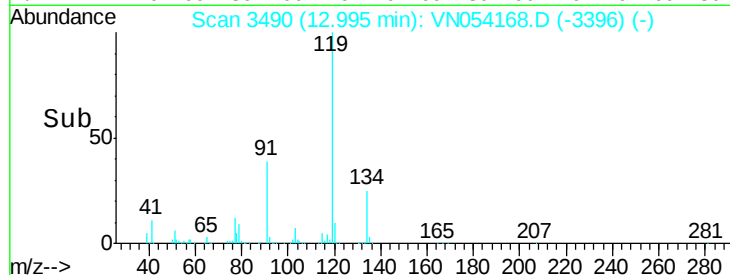
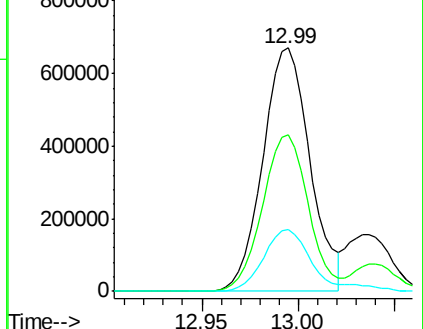
134 26.7 13.2 39.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 20.595 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.00 min

Lab File: VN054168.D

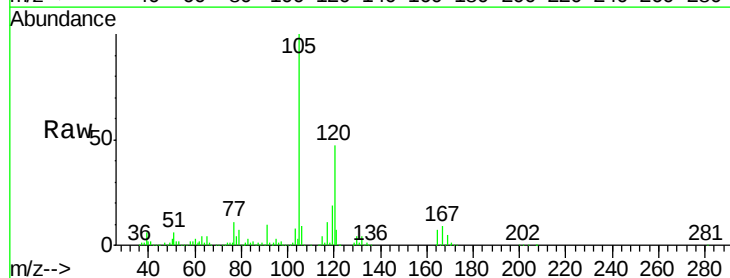
Acq: 12 Mar 2019 17:23

Tgt Ion:105 Resp: 1242502

Ion Ratio Lower Upper

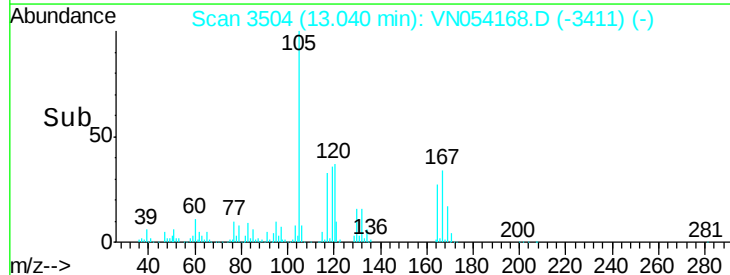
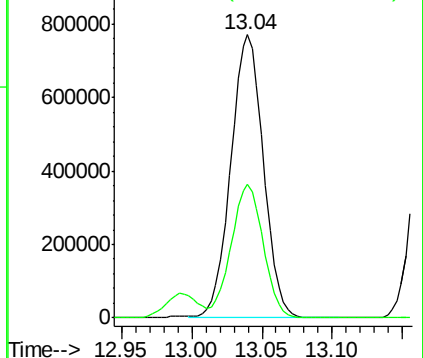
105 100

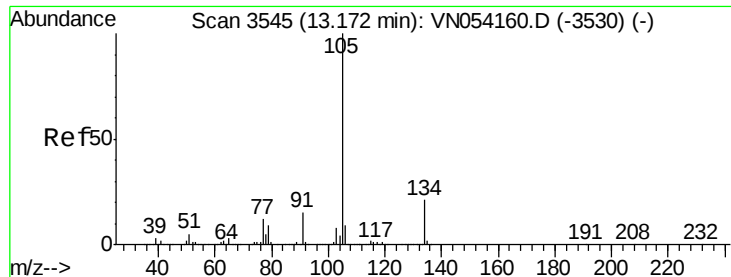
120 46.7 23.4 70.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

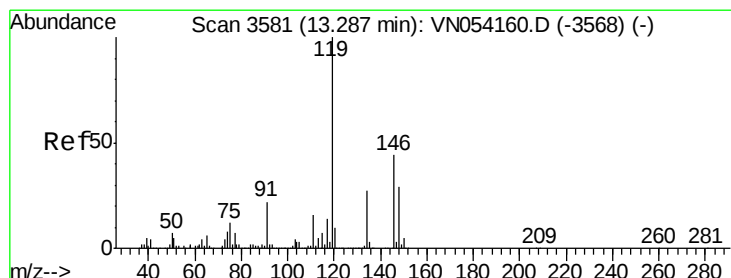
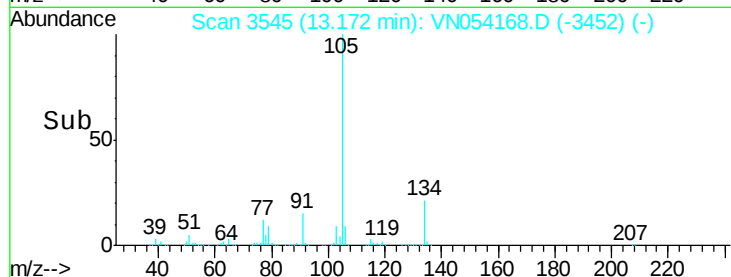
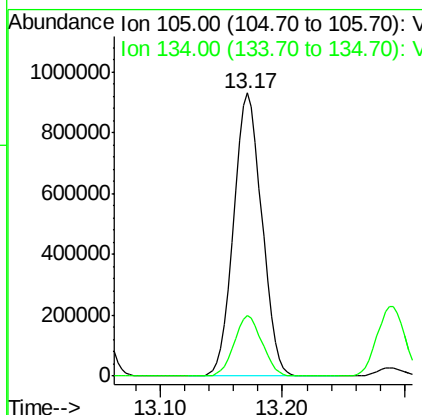
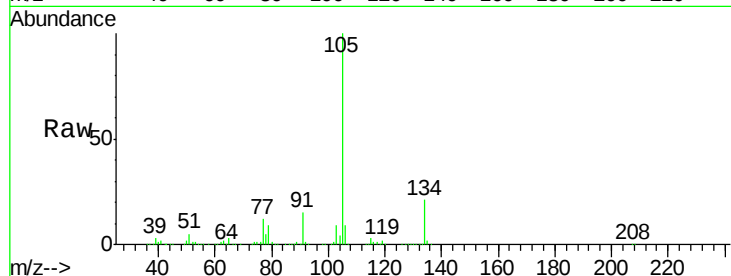




#85
 sec-Butylbenzene
 Concen: 20.332 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN054168.D
 Acq: 12 Mar 2019 17:23

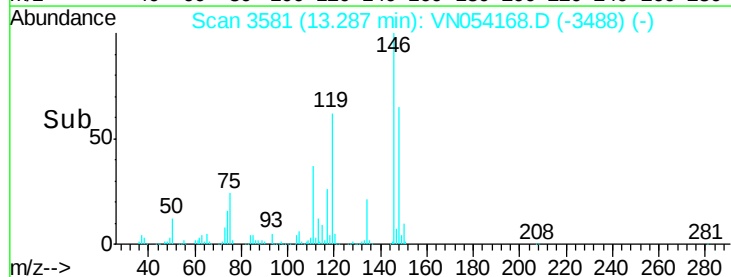
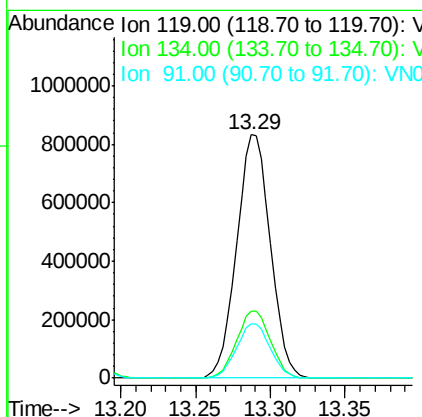
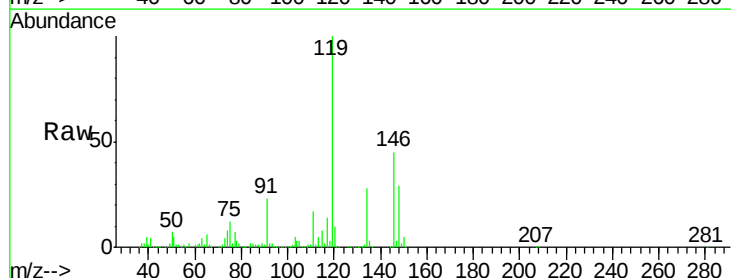
Instrument :
 MSVOA_N
 ClientSampled :
 VN0312WBS01

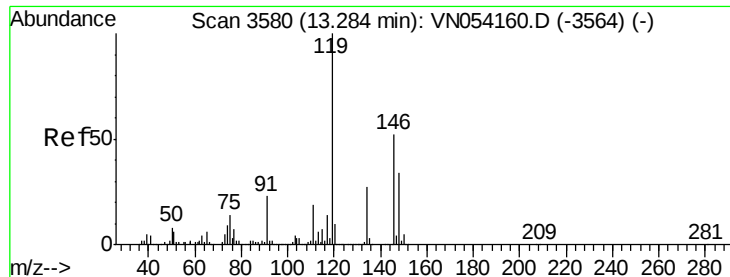
Tot Ion:105 Resp: 1492438
 Ion Ratio Lower Upper
 105 100
 134 21.1 10.7 32.1



#86
 p-Isopropyltoluene
 Concen: 20.228 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN054168.D
 Acq: 12 Mar 2019 17:23

Tgt Ion:119 Resp: 1302626
 Ion Ratio Lower Upper
 119 100
 134 27.9 13.6 40.8
 91 22.4 11.1 33.3





#87

1,3-Dichlorobenzene

Concen: 20.664 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN054168.D

Acq: 12 Mar 2019 17:23

Instrument :

MSVOA_N

ClientSampled :

VN0312WBS01

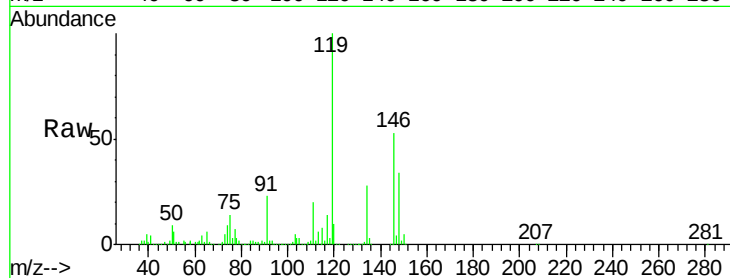
Tot Ion:146 Resp: 681180

Ion Ratio Lower Upper

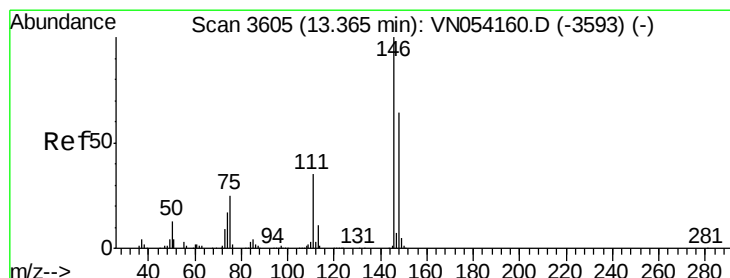
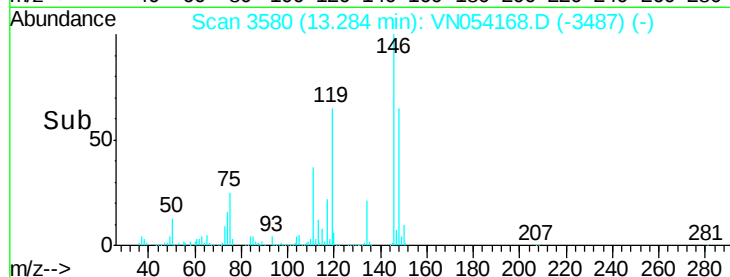
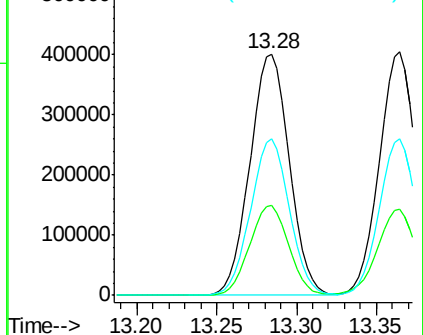
146 100

111 36.8 18.8 56.3

148 63.9 32.2 96.6



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 20.353 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. -0.00 min

Lab File: VN054168.D

Acq: 12 Mar 2019 17:23

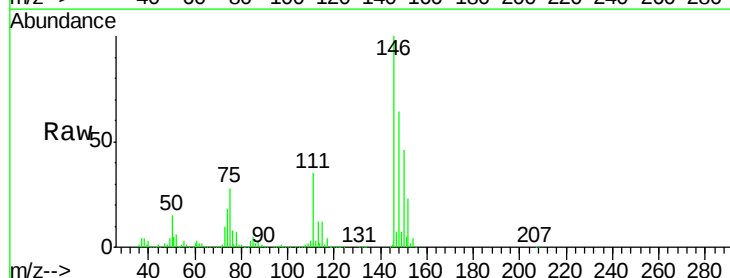
Tgt Ion:146 Resp: 659108

Ion Ratio Lower Upper

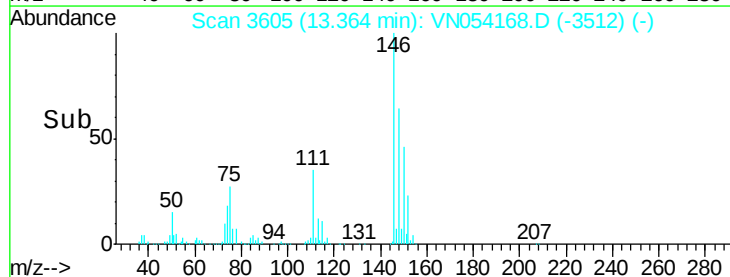
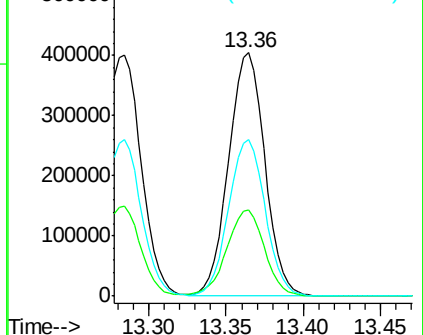
146 100

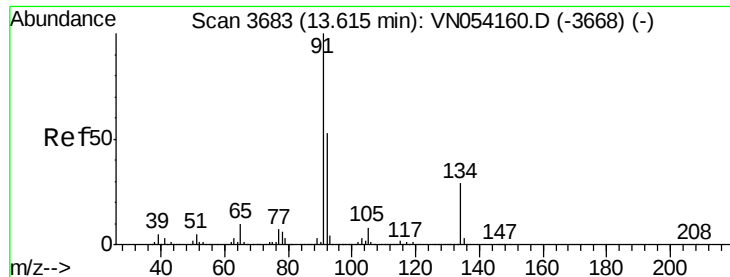
111 36.8 18.1 54.1

148 65.1 32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V

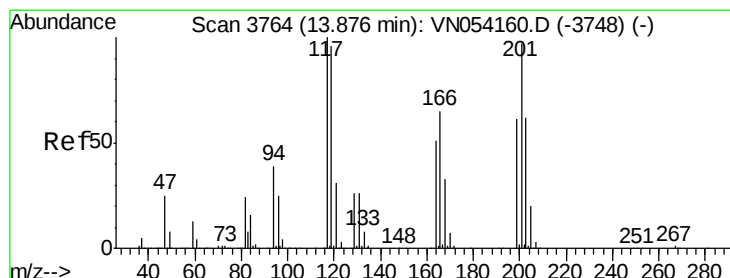
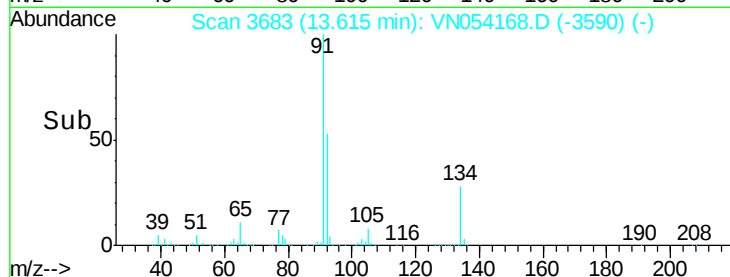
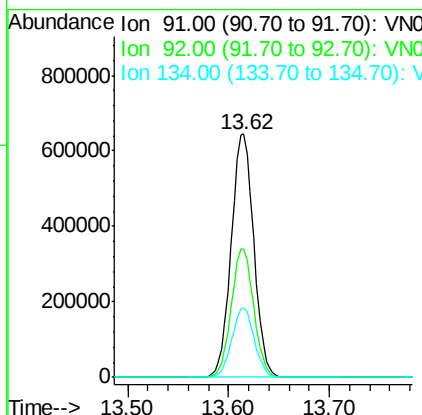
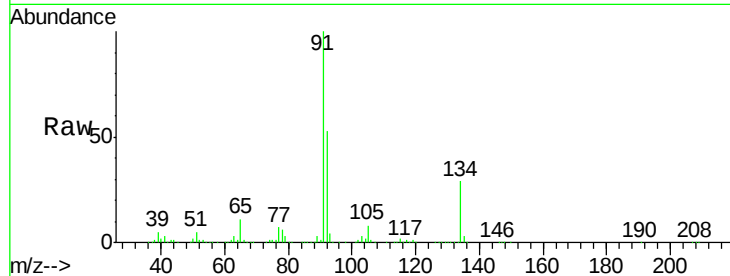




#89
n-Butylbenzene
Concen: 20.582 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN054168.D
Acq: 12 Mar 2019 17:23

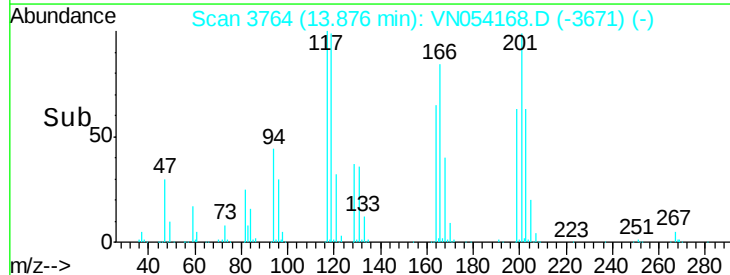
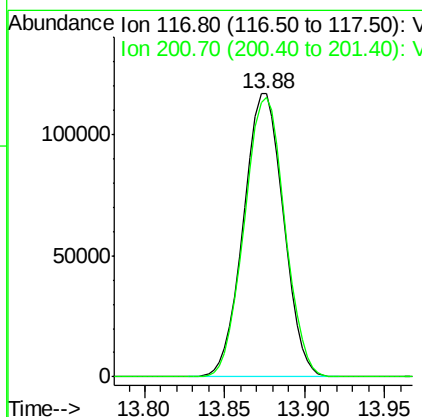
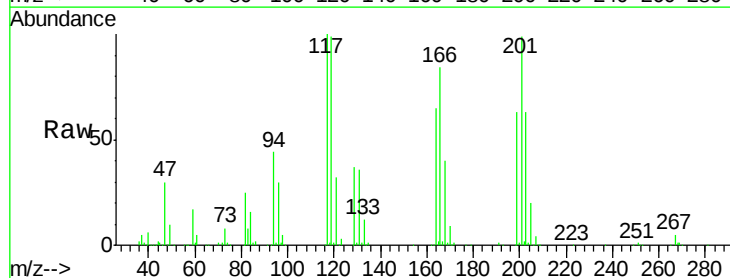
Instrument :
MSVOA_N
ClientSampled :
VN0312WBS01

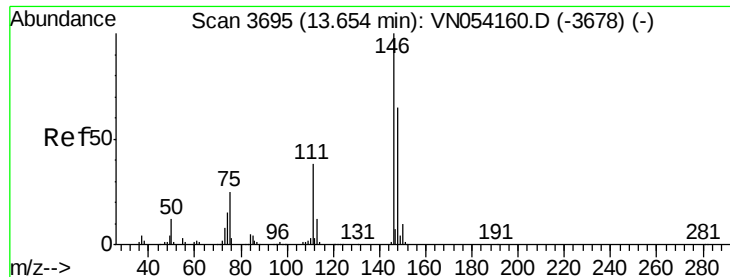
Tot Ion: 91 Resp: 1007069
Ion Ratio Lower Upper
91 100
92 52.5 26.2 78.6
134 28.4 14.3 42.9



#90
Hexachloroethane
Concen: 18.650 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN054168.D
Acq: 12 Mar 2019 17:23

Tgt Ion: 117 Resp: 198868
Ion Ratio Lower Upper
117 100
201 99.7 48.1 144.4





#91

1,2-Dichlorobenzene

Concen: 20.699 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN054168.D

Acq: 12 Mar 2019 17:23

Instrument :

MSVOA_N

ClientSampled :

VN0312WBS01

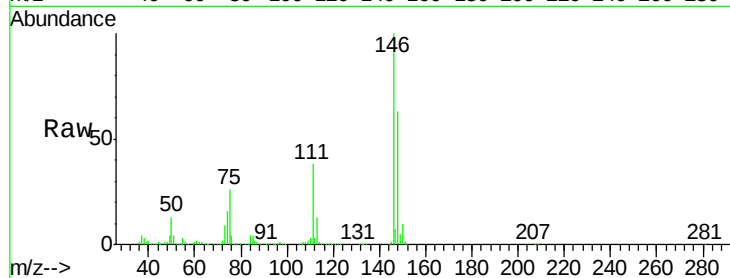
Tot Ion:146 Resp: 667038

Ion Ratio Lower Upper

146 100

111 38.0 19.1 57.3

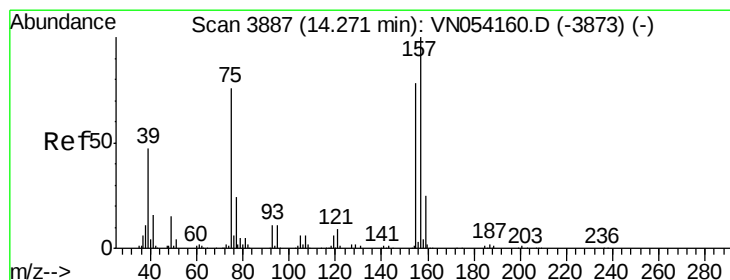
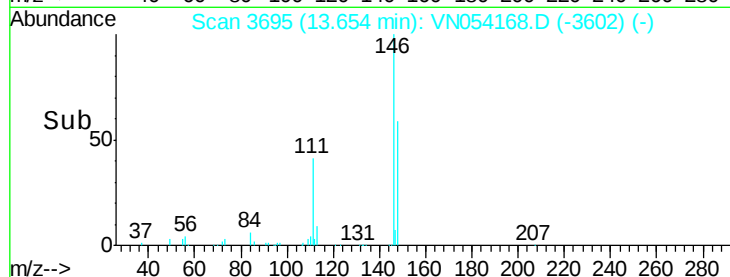
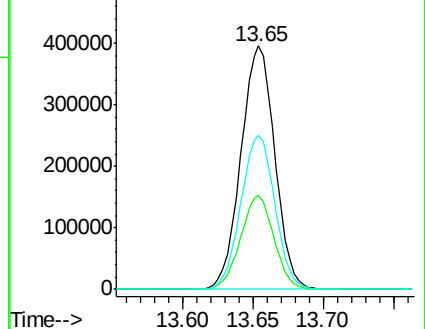
148 63.4 32.4 97.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.908 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. -0.00 min

Lab File: VN054168.D

Acq: 12 Mar 2019 17:23

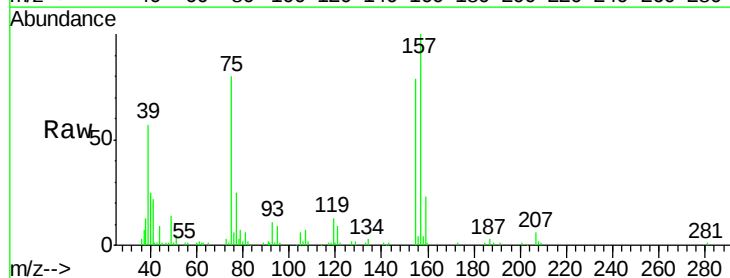
Tgt Ion: 75 Resp: 48524

Ion Ratio Lower Upper

75 100

155 101.5 50.1 150.3

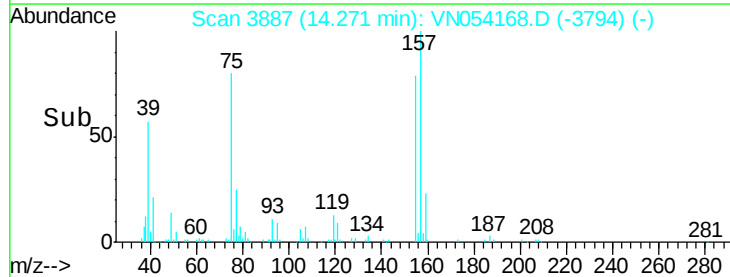
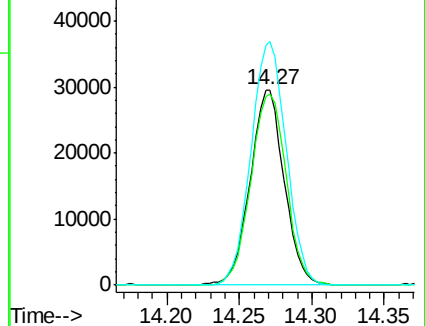
157 128.9 63.1 189.3

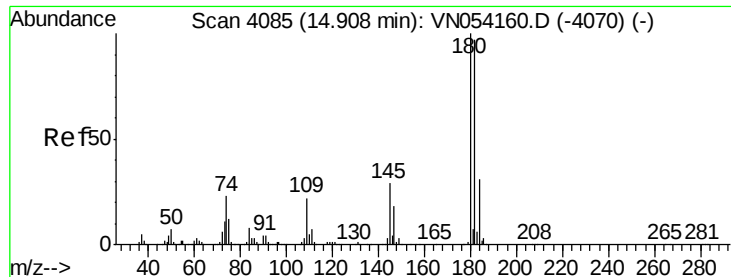


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

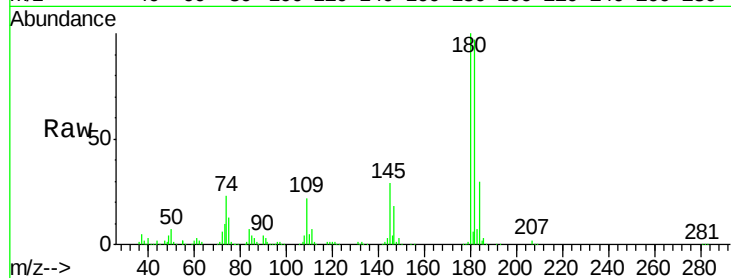




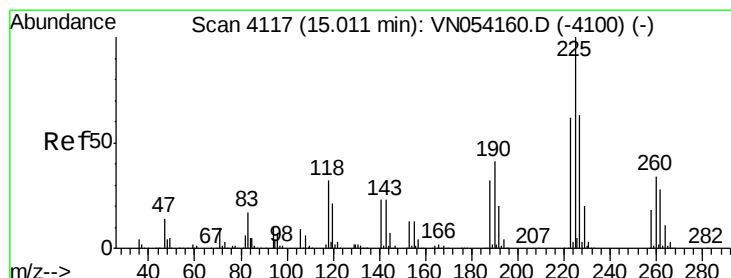
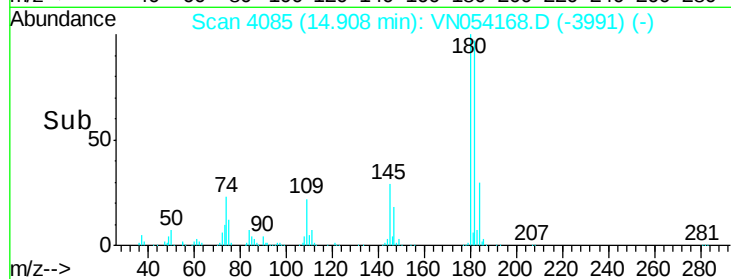
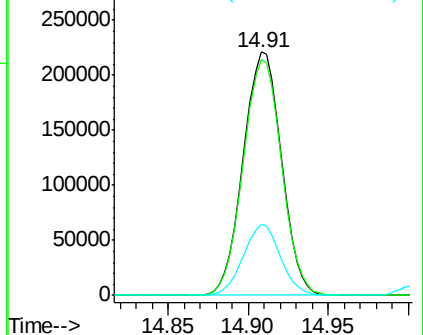
#93
 1,2,4-Trichlorobenzene
 Concen: 20.107 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN054168.D
 Acq: 12 Mar 2019 17:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0312WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.6	48.0	144.2
145	28.2	14.2	42.8

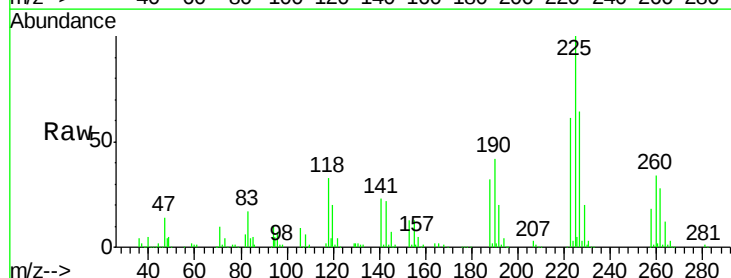


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

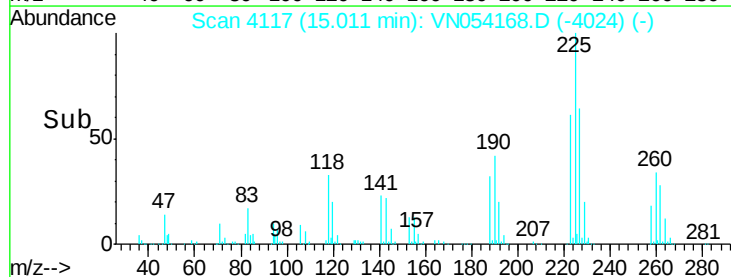
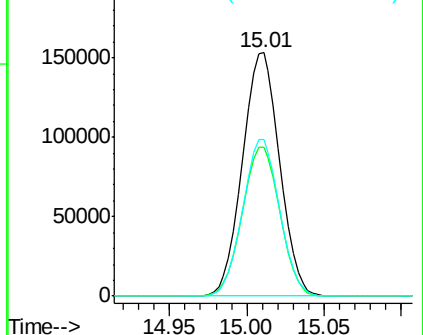


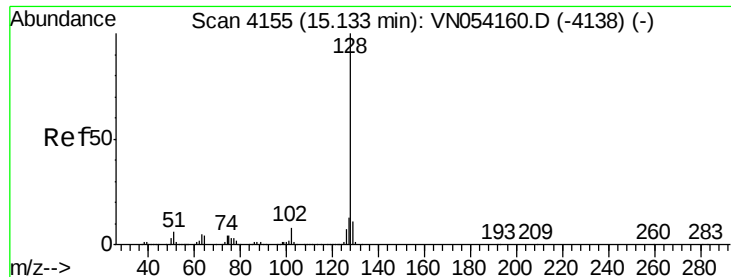
#94
 Hexachlorobutadiene
 Concen: 20.883 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN054168.D
 Acq: 12 Mar 2019 17:23

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.8	31.1	93.5
227	63.9	31.9	95.9



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 19.541 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN054168.D

Acq: 12 Mar 2019 17:23

Instrument :

MSVOA_N

ClientSampled :

VN0312WBS01

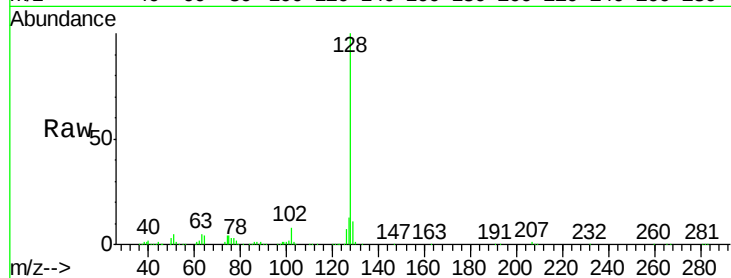
Tot Ion:128 Resp: 699947

Ion Ratio Lower Upper

128 100

127 12.9 10.1 15.1

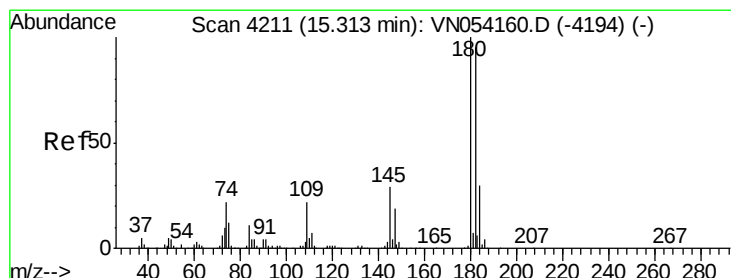
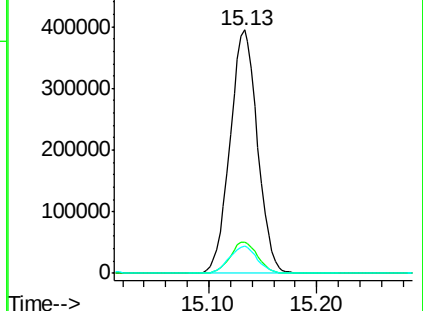
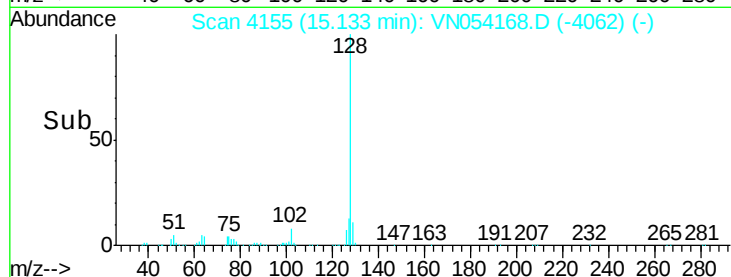
129 11.3 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 21.393 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN054168.D

Acq: 12 Mar 2019 17:23

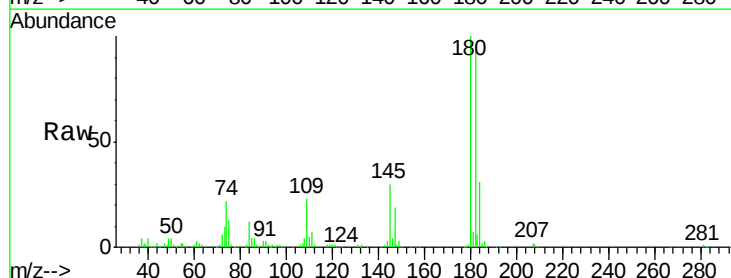
Tgt Ion:180 Resp: 366296

Ion Ratio Lower Upper

180 100

182 95.8 47.5 142.6

145 30.3 14.8 44.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

