

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030219\
 Data File : VN054036.D
 Acq On : 1 Mar 2019 18:22
 Operator : JC/SP
 Sample : VN0302WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0302WBSD01

Quant Time: Mar 02 04:45:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022519W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 28 04:05:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	637468	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1057931	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	910547	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	381547	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	390314	52.23	ug/l	0.00
Spiked Amount			Recovery	=	104.46%	
35) Dibromofluoromethane	7.59	113	341608	49.93	ug/l	0.00
Spiked Amount			Recovery	=	99.86%	
50) Toluene-d8	10.09	98	1245322	48.90	ug/l	0.00
Spiked Amount			Recovery	=	97.80%	
62) 4-Bromofluorobenzene	12.40	95	409766	48.29	ug/l	0.00
Spiked Amount			Recovery	=	96.58%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	113904	19.415	ug/l	99
3) Chloromethane	2.06	50	159141	19.556	ug/l	100
4) Vinyl Chloride	2.19	62	161821	19.847	ug/l	99
5) Bromomethane	2.57	94	80489	14.906	ug/l	99
6) Chloroethane	2.71	64	99003	19.524	ug/l	99
7) Trichlorofluoromethane	3.02	101	205627	19.741	ug/l	98
8) Diethyl Ether	3.41	74	78071	20.005	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	3.76	101	127481	19.378	ug/l	94
10) Methyl Iodide	3.96	142	126832	14.672	ug/l	98
11) Tert butyl alcohol	4.78	59	47222	99.684	ug/l	99
12) 1,1-Dichloroethene	3.74	96	120627	19.169	ug/l	91
13) Acrolein	3.61	56	45108	91.972	ug/l	97
14) Allyl chloride	4.33	41	226765	20.546	ug/l	95
15) Acrylonitrile	4.99	53	263464	105.525	ug/l	100
16) Acetone	3.81	43	201073	94.068	ug/l	95
17) Carbon Disulfide	4.06	76	364472	17.954	ug/l	98
18) Methyl Acetate	4.33	43	116490	22.294	ug/l	93
19) Methyl tert-butyl Ether	5.04	73	349952	20.731	ug/l	97
20) Methylene Chloride	4.55	84	143544	19.409	ug/l	89
21) trans-1,2-Dichloroethene	5.05	96	131400	19.293	ug/l	89
22) Diisopropyl ether	5.95	45	453759	21.311	ug/l	93
23) Vinyl Acetate	5.90	43	1567163	102.312	ug/l	96
24) 1,1-Dichloroethane	5.85	63	269387	20.631	ug/l	98
25) 2-Butanone	6.84	43	296018	100.889	ug/l	93
26) 2,2-Dichloropropane	6.83	77	187853	20.250	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	152438	20.125	ug/l	93
28) Bromochloromethane	7.20	49	129331	21.639	ug/l #	81
29) Tetrahydrofuran	7.21	42	203655	104.230	ug/l	90
30) Chloroform	7.37	83	254792	20.124	ug/l	99
31) Cyclohexane	7.66	56	242444	20.043	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	212336	20.339	ug/l	97
36) 1,1-Dichloropropene	7.79	75	187567	19.065	ug/l	97
37) Ethyl Acetate	6.93	43	127171	18.103	ug/l	98
38) Carbon Tetrachloride	7.77	117	181610	17.749	ug/l	98

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 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

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 ClientSampleId :
 VN0302WBSD01

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 Quant Title : SW846 8260
 QLast Update : Thu Feb 28 04:05:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.08	83	214001	18.047	ug/l	92
40) Benzene	8.04	78	586921	19.419	ug/l	100
41) Methacrylonitrile	7.21	41	194303	42.954	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	182497	19.503	ug/l	97
43) Isopropyl Acetate	8.16	43	223860	18.873	ug/l #	90
44) Trichloroethene	8.84	130	150597	18.795	ug/l	91
45) 1,2-Dichloropropane	9.12	63	161875	19.852	ug/l	99
46) Dibromomethane	9.21	93	90714	19.162	ug/l	92
47) Bromodichloromethane	9.40	83	195293	19.575	ug/l	98
48) Methyl methacrylate	9.20	41	107124	19.635	ug/l	94
49) 1,4-Dioxane	9.20	88	27794	376.131	ug/l	94
51) 4-Methyl-2-Pentanone	9.99	43	627292	102.918	ug/l	94
52) Toluene	10.16	92	348473	19.581	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	183796	18.934	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	221951	19.395	ug/l	93
55) 1,1,2-Trichloroethane	10.56	97	127644	19.205	ug/l	97
56) Ethyl methacrylate	10.43	69	154934	19.038	ug/l	89
57) 1,3-Dichloropropane	10.71	76	221989	19.768	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	352571	95.782	ug/l	95
59) 2-Hexanone	10.75	43	388255	97.943	ug/l	93
60) Dibromochloromethane	10.90	129	136915	18.536	ug/l	98
61) 1,2-Dibromoethane	11.01	107	120565	18.805	ug/l	99
64) Tetrachloroethene	10.63	164	142233	18.447	ug/l	98
65) Chlorobenzene	11.44	112	370161	19.262	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	134083	19.360	ug/l	99
67) Ethyl Benzene	11.51	91	643010	19.960	ug/l	98
68) m/p-Xylenes	11.62	106	480748	39.539	ug/l	96
69) o-Xylene	11.95	106	235855	19.742	ug/l	97
70) Styrene	11.96	104	368129	20.033	ug/l	97
71) Bromoform	12.13	173	89333	18.541	ug/l #	96
73) Isopropylbenzene	12.25	105	626658	21.099	ug/l	99
74) N-amyl acetate	12.07	43	169485	21.772	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.50	83	150946	20.323	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	183526	29.985	ug/l #	100
77) Bromobenzene	12.53	156	152949	20.283	ug/l	91
78) n-propylbenzene	12.59	91	706602	20.919	ug/l	98
79) 2-Chlorotoluene	12.67	91	420561	20.726	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	516274	21.233	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	36879	19.044	ug/l	91
82) 4-Chlorotoluene	12.77	91	412575	20.573	ug/l	96
83) tert-Butylbenzene	12.99	119	452779	21.054	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	515409	21.232	ug/l	98
85) sec-Butylbenzene	13.17	105	609412	20.748	ug/l	98
86) p-Isopropyltoluene	13.29	119	511504	20.600	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	255905	19.617	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	246573	19.483	ug/l	98
89) n-Butylbenzene	13.62	91	416558	19.906	ug/l	99
90) Hexachloroethane	13.88	117	91238	18.962	ug/l	90
91) 1,2-Dichlorobenzene	13.65	146	253667	20.088	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	21972	20.934	ug/l	86

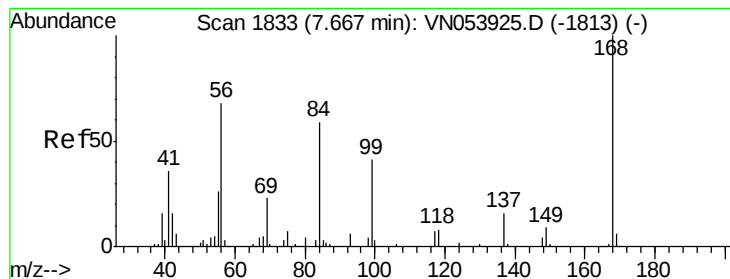
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030219\
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Quant Time: Mar 02 04:45:37 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022519W.M
Quant Title : SW846 8260
QLast Update : Thu Feb 28 04:05:45 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	117382	18.216	ug/l	99
94) Hexachlorobutadiene	15.01	225	80651	17.681	ug/l	98
95) Naphthalene	15.13	128	254084	18.950	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	119689	18.796	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN054036.D

Acq: 1 Mar 2019 18:22

Instrument :

MSVOA_N

ClientSampleId :

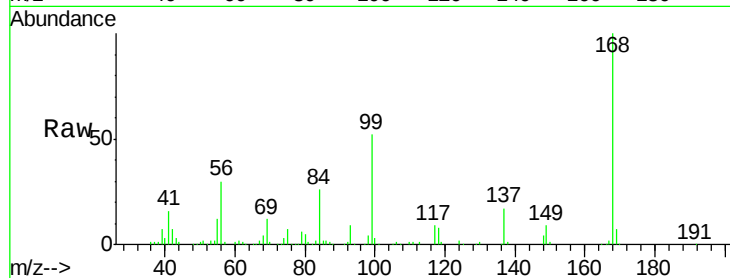
VN0302WBSD01

Tot Ion:168 Resp: 637468

Ion Ratio Lower Upper

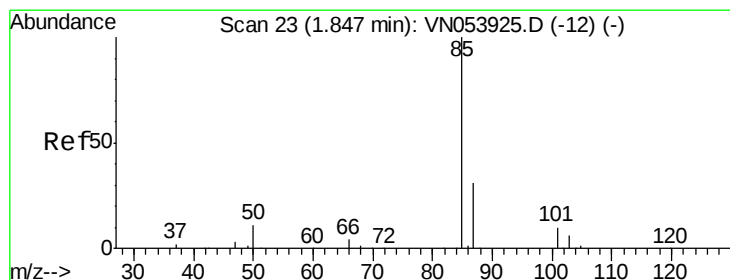
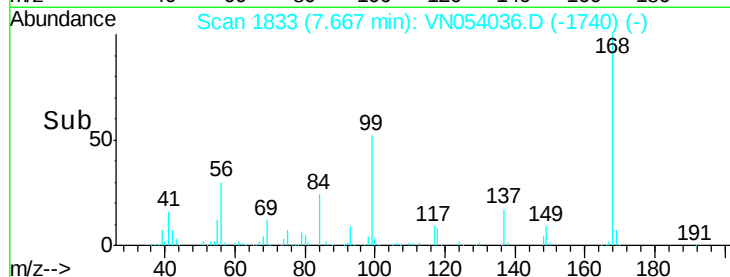
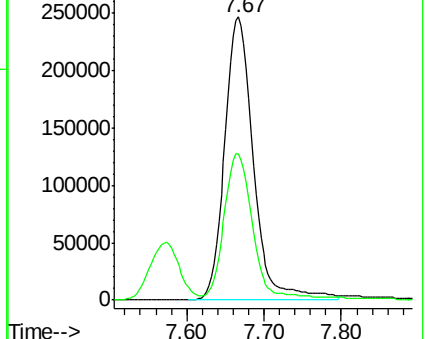
168 100

99 50.5 36.9 55.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 19.415 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN054036.D

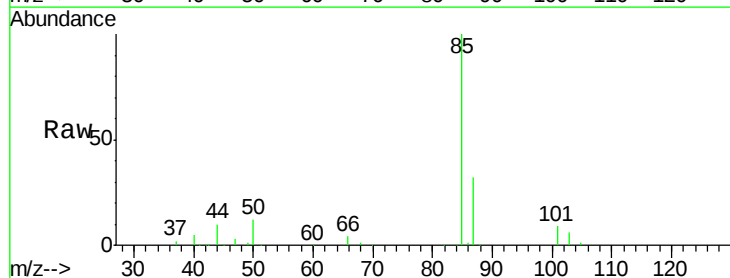
Acq: 1 Mar 2019 18:22

Tgt Ion: 85 Resp: 113904

Ion Ratio Lower Upper

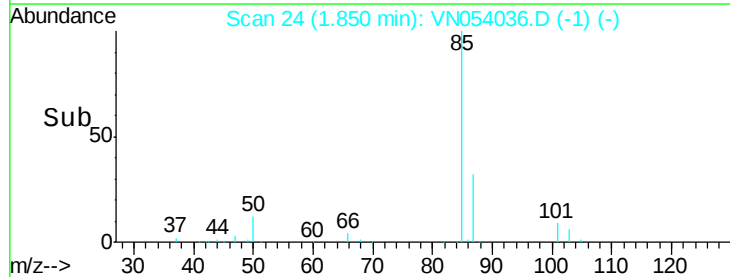
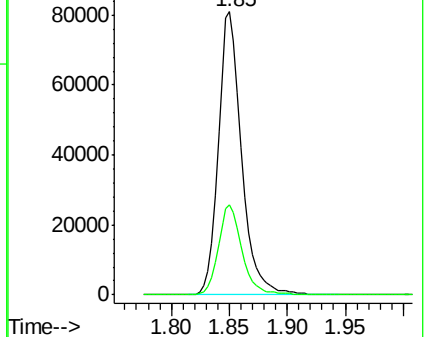
85 100

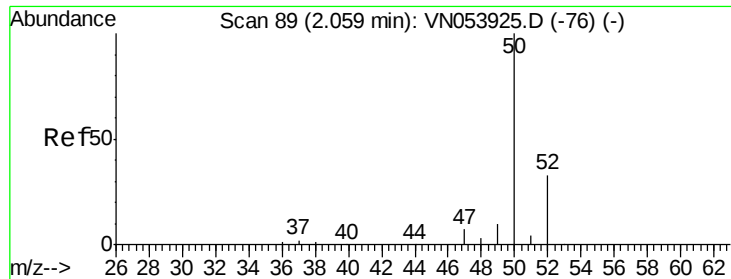
87 31.9 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 19.556 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN054036.D

Acq: 1 Mar 2019 18:22

Instrument :

MSVOA_N

ClientSampleId :

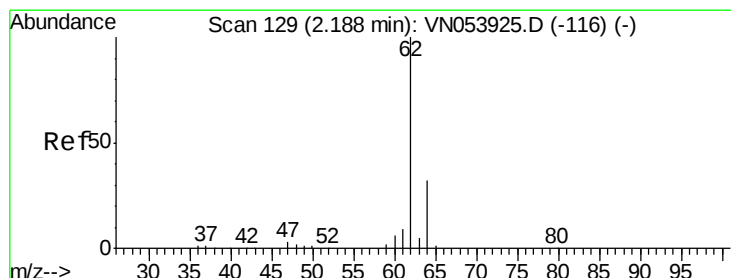
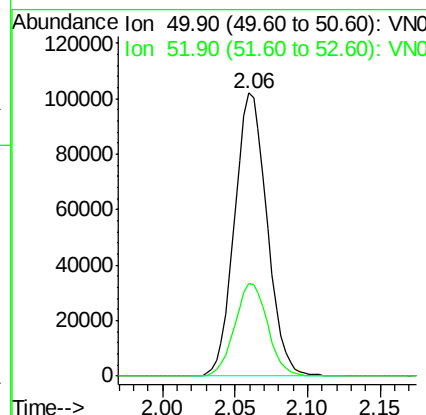
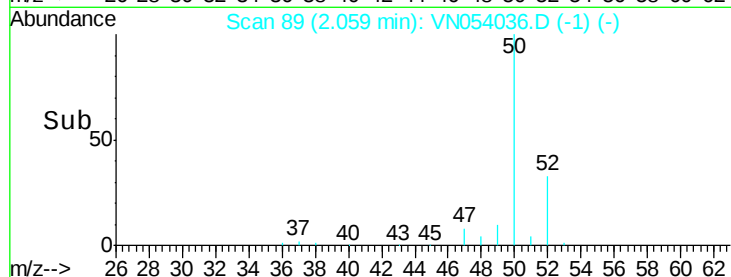
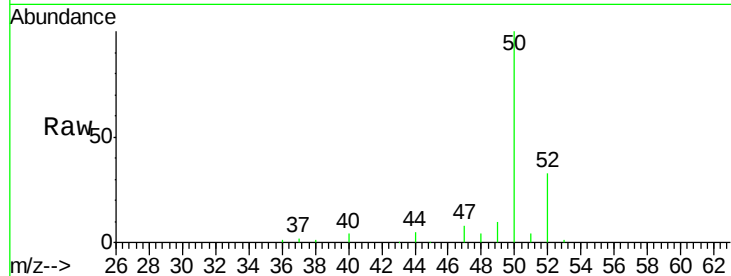
VN0302WBSD01

Tot Ion: 50 Resp: 159141

Ion Ratio Lower Upper

50 100

52 32.7 26.0 39.0



#4

Vinyl Chloride

Concen: 19.847 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN054036.D

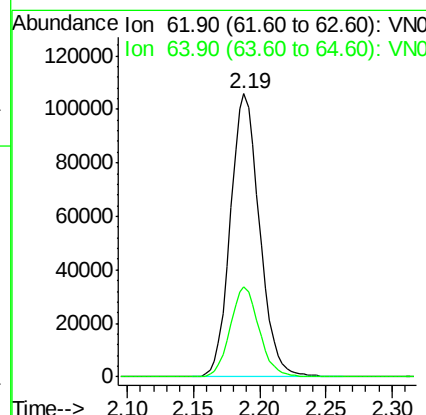
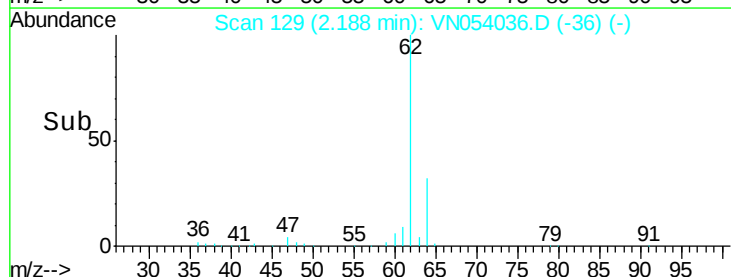
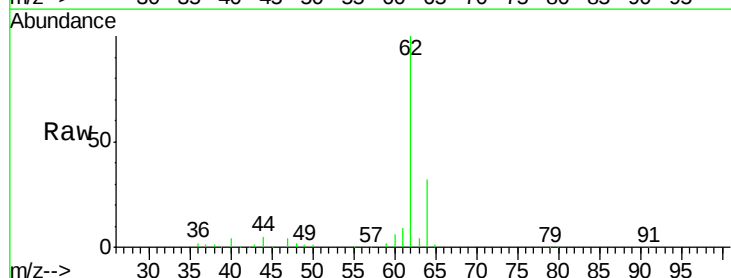
Acq: 1 Mar 2019 18:22

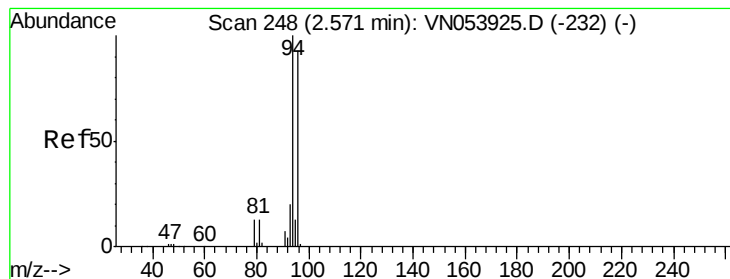
Tgt Ion: 62 Resp: 161821

Ion Ratio Lower Upper

62 100

64 31.7 25.1 37.7





#5

Bromomethane

Concen: 14.906 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN054036.D

Acq: 1 Mar 2019 18:22

Instrument :

MSVOA_N

ClientSampleId :

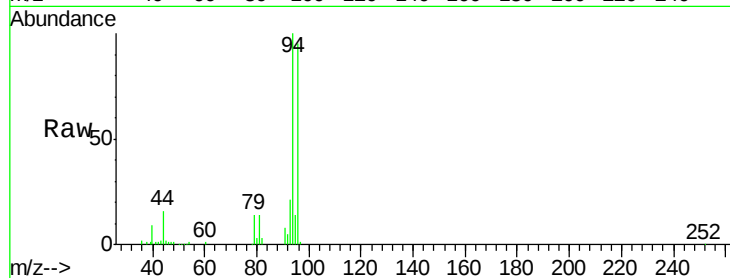
VN0302WBSD01

Tot Ion: 94 Resp: 80489

Ion Ratio Lower Upper

94 100

96 94.6 74.9 112.3

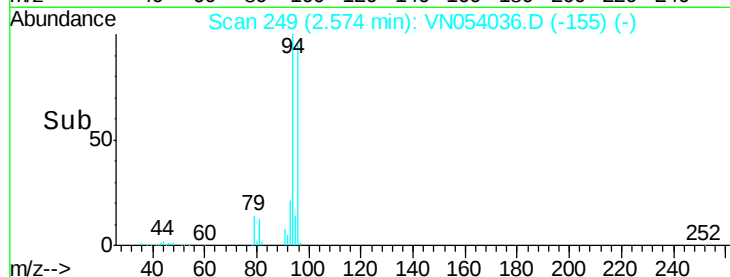


Abundance Ion 93.90 (93.60 to 94.60): VN053925.D (-232) (-)

Ion 95.90 (95.60 to 96.60): VN053925.D (-232) (-)

2.57

Time-->



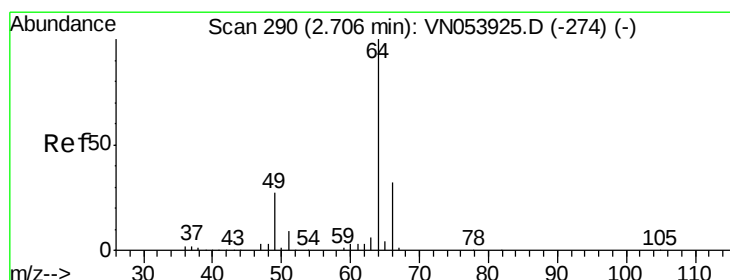
Abundance

Ion 93.90 (93.60 to 94.60): VN054036.D (-155) (-)

Ion 95.90 (95.60 to 96.60): VN054036.D (-155) (-)

2.57

Time-->



#6

Chloroethane

Concen: 19.524 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN054036.D

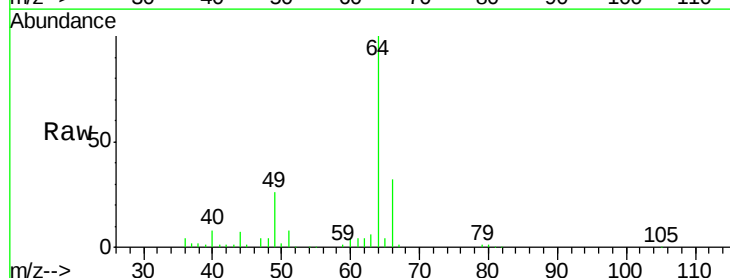
Acq: 1 Mar 2019 18:22

Tgt Ion: 64 Resp: 99003

Ion Ratio Lower Upper

64 100

66 32.4 25.5 38.3

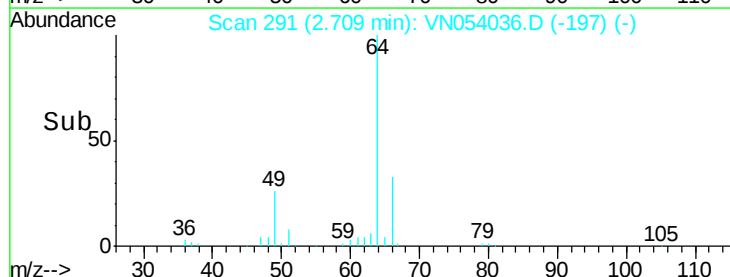


Abundance Ion 63.90 (63.60 to 64.60): VN053925.D (-274) (-)

Ion 65.90 (65.60 to 66.60): VN053925.D (-274) (-)

2.71

Time-->



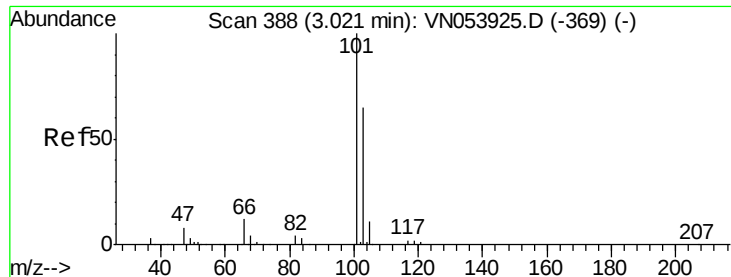
Abundance

Ion 63.90 (63.60 to 64.60): VN054036.D (-197) (-)

Ion 65.90 (65.60 to 66.60): VN054036.D (-197) (-)

2.71

Time-->

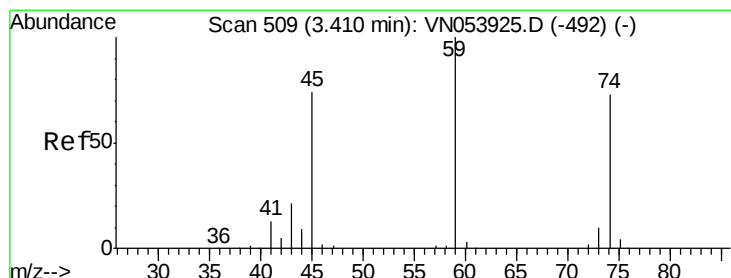
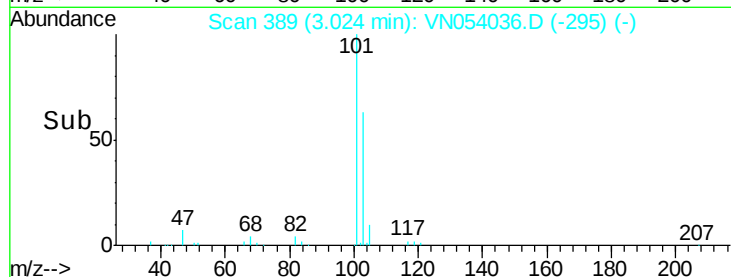
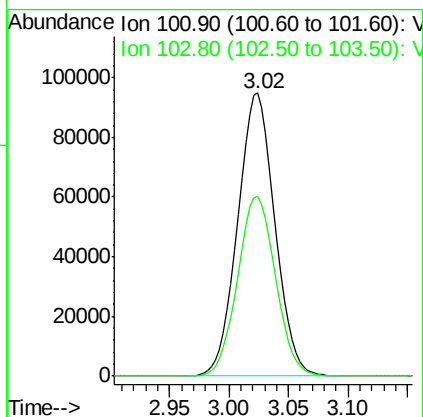
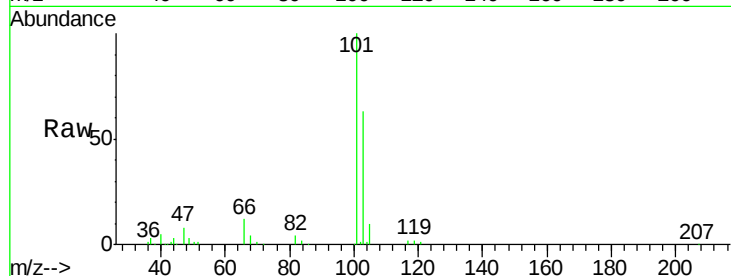


#7

Trichlorofluoromethane
Concen: 19.741 ug/l
RT: 3.02 min Scan# 389
Delta R.T. 0.00 min
Lab File: VN054036.D
Acq: 1 Mar 2019 18:22

Instrument :
MSVOA_N
ClientSampled :
VN0302WBSD01

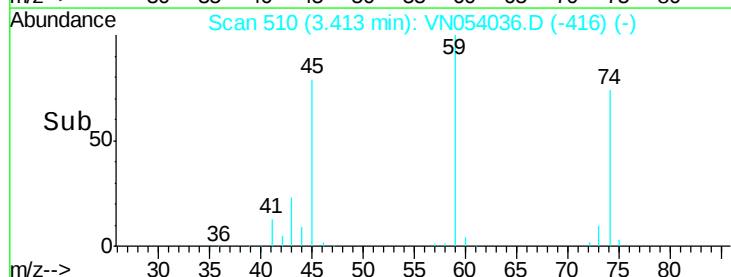
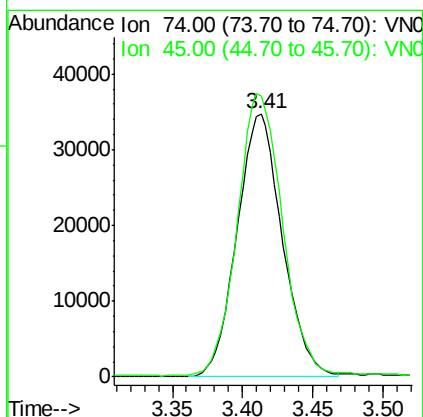
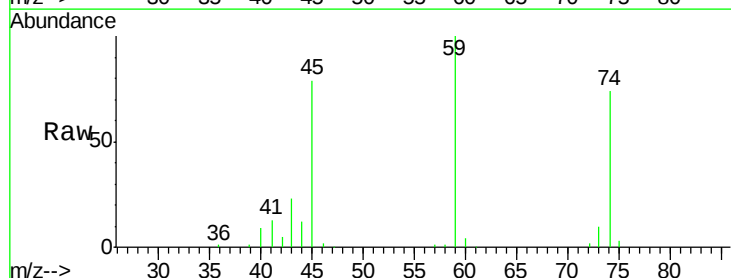
Tot Ion:101 Resp: 205627
Ion Ratio Lower Upper
101 100
103 63.4 51.9 77.9

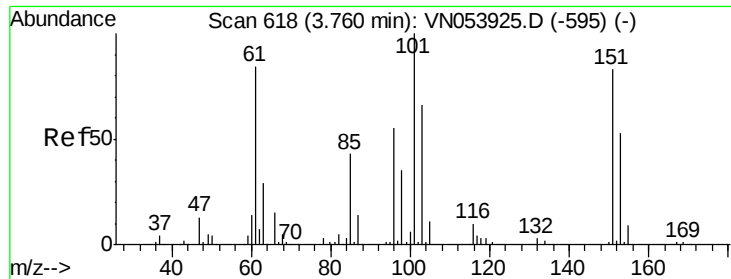


#8

Diethyl Ether
Concen: 20.005 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN054036.D
Acq: 1 Mar 2019 18:22

Tgt Ion: 74 Resp: 78071
Ion Ratio Lower Upper
74 100
45 105.9 46.9 140.6

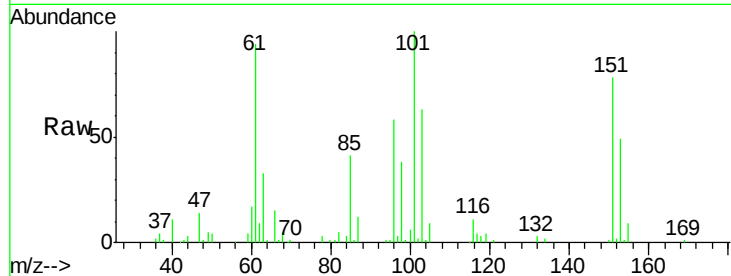




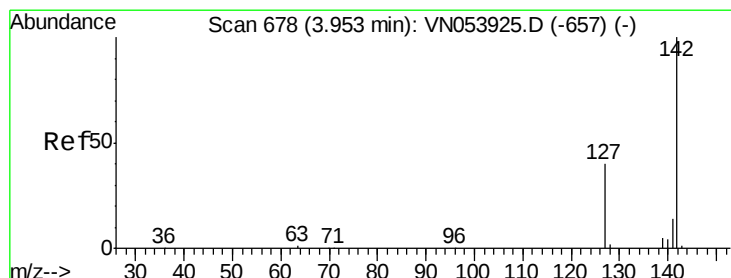
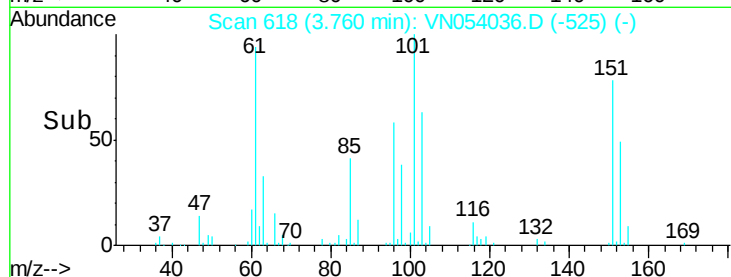
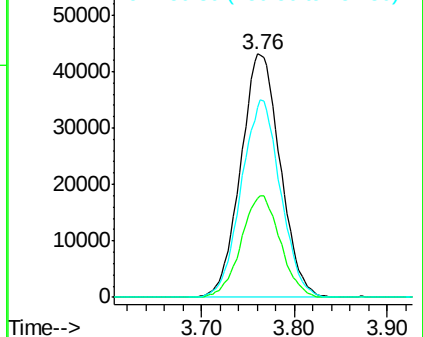
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 19.378 ug/l
 RT: 3.76 min Scan# 618
 Delta R.T. 0.00 min
 Lab File: VN054036.D
 Acq: 1 Mar 2019 18:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0302WBSD01

Tot Ion:101 Resp: 127481
 Ion Ratio Lower Upper
 101 100
 85 41.3 32.5 48.7
 151 80.3 70.2 105.2

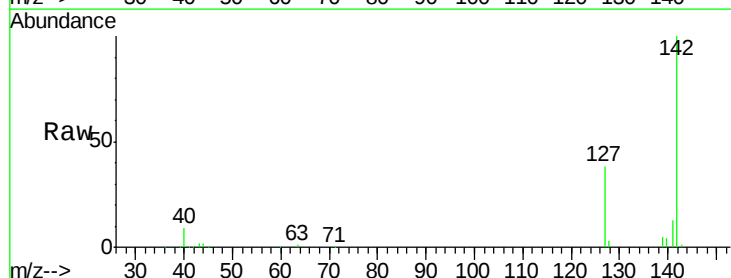


Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 84.90 (84.60 to 85.60): V
 Ion 150.80 (150.50 to 151.50): V

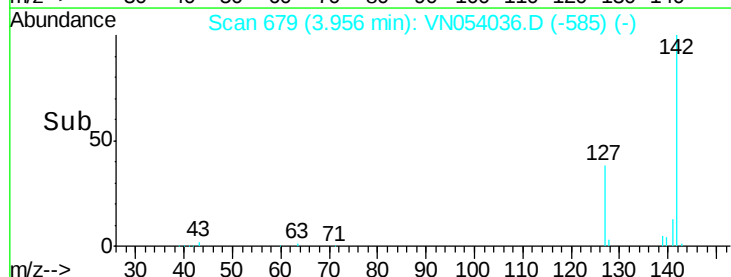
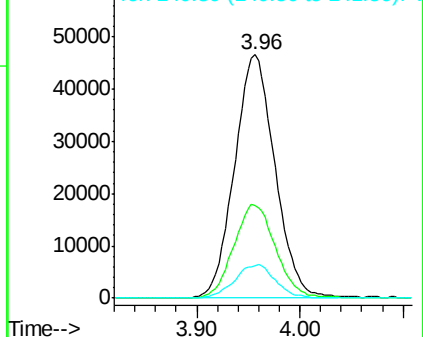


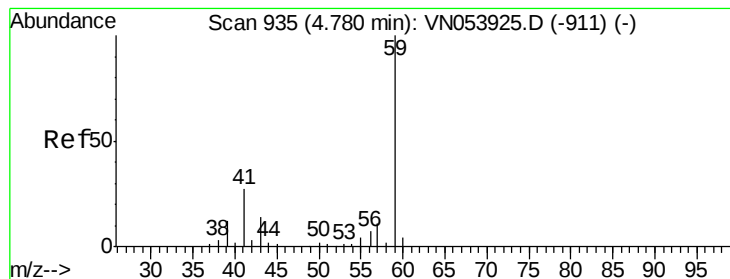
#10
 Methyl Iodide
 Concen: 14.672 ug/l
 RT: 3.96 min Scan# 679
 Delta R.T. 0.00 min
 Lab File: VN054036.D
 Acq: 1 Mar 2019 18:22

Tgt Ion:142 Resp: 126832
 Ion Ratio Lower Upper
 142 100
 127 39.9 31.0 46.4
 141 13.9 11.3 16.9



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



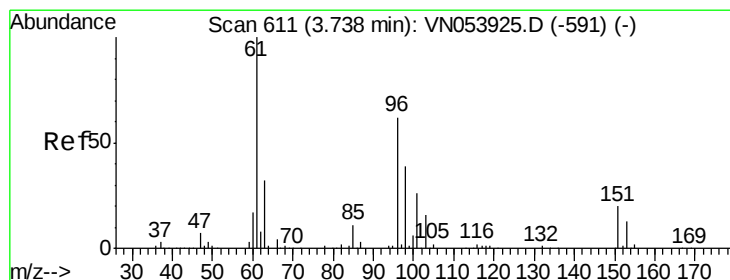
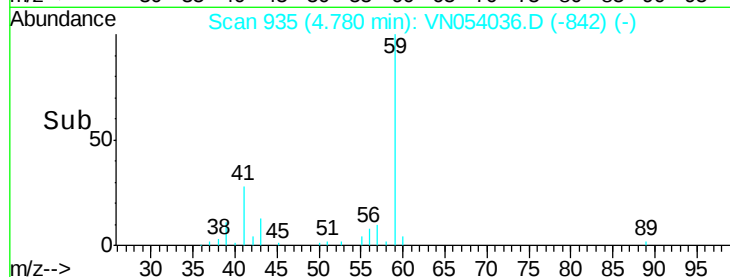
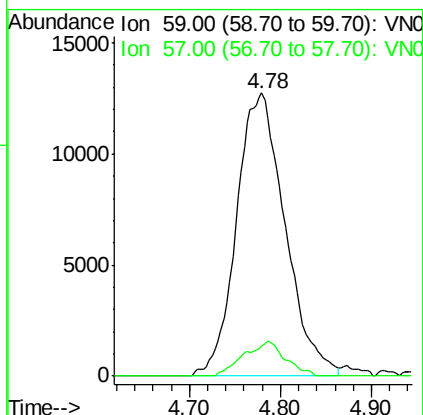
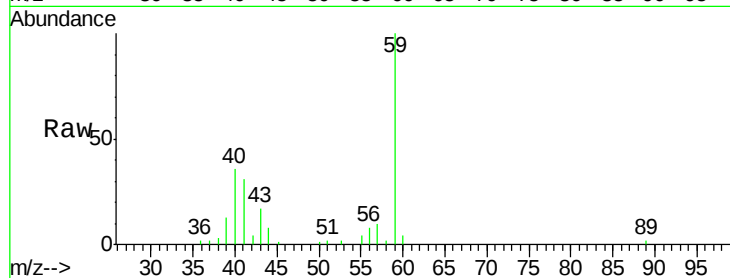


#11

Tert butyl alcohol
 Concen: 99.684 ug/l
 RT: 4.78 min Scan# 935
 Delta R.T. 0.00 min
 Lab File: VN054036.D
 Acq: 1 Mar 2019 18:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0302WBSD01

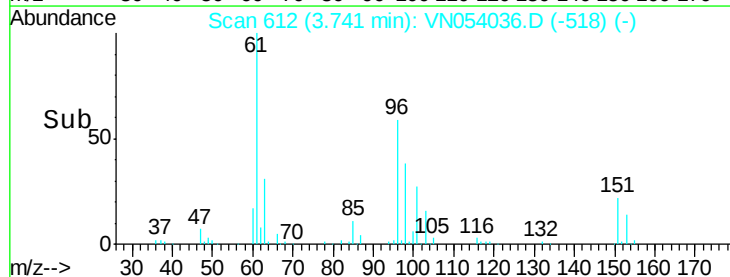
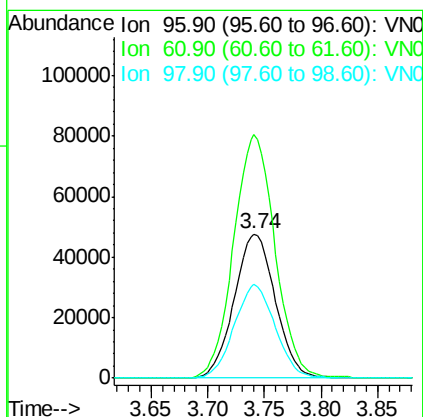
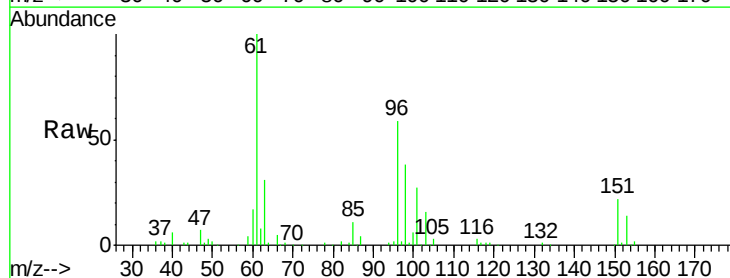
Tot Ion: 59 Resp: 47222
 Ion Ratio Lower Upper
 59 100
 57 10.5 8.1 12.1

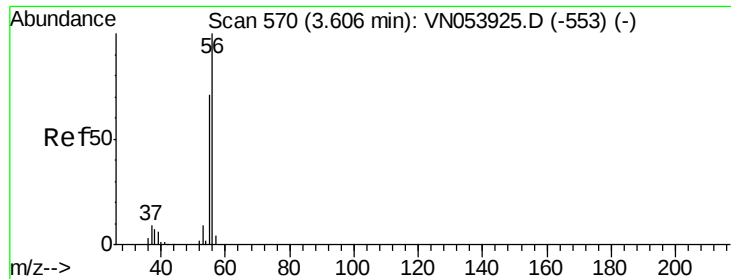


#12

1,1-Dichloroethene
 Concen: 19.169 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. 0.00 min
 Lab File: VN054036.D
 Acq: 1 Mar 2019 18:22

Tgt Ion: 96 Resp: 120627
 Ion Ratio Lower Upper
 96 100
 61 168.3 121.0 181.4
 98 65.0 52.2 78.2





#13

Acrolein

Concen: 91.972 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN054036.D

Acq: 1 Mar 2019 18:22

Instrument :

MSVOA_N

ClientSampleId :

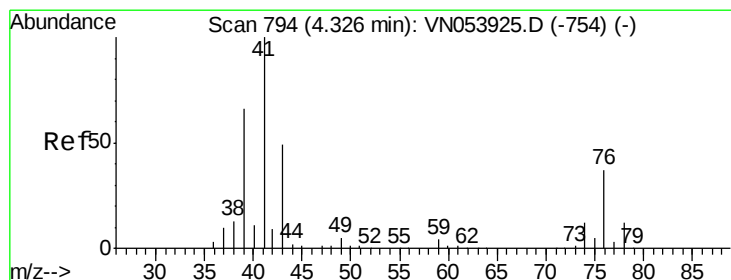
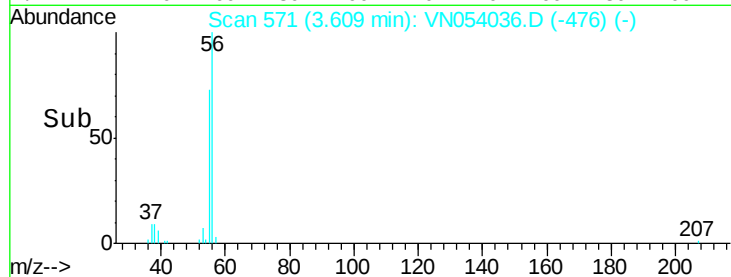
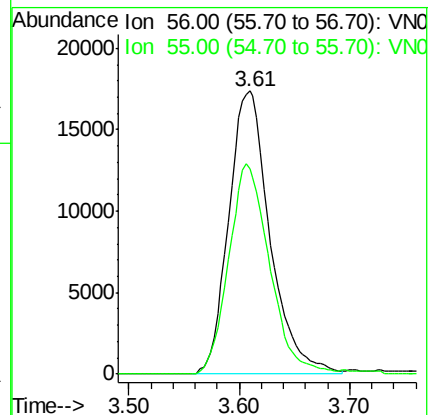
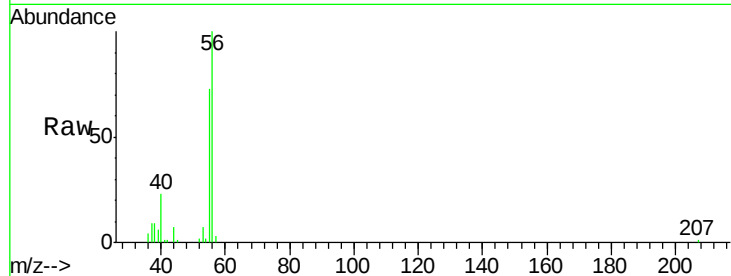
VN0302WBSD01

Tot Ion: 56 Resp: 45108

Ion Ratio Lower Upper

56 100

55 73.3 56.3 84.5



#14

Allyl chloride

Concen: 20.546 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN054036.D

Acq: 1 Mar 2019 18:22

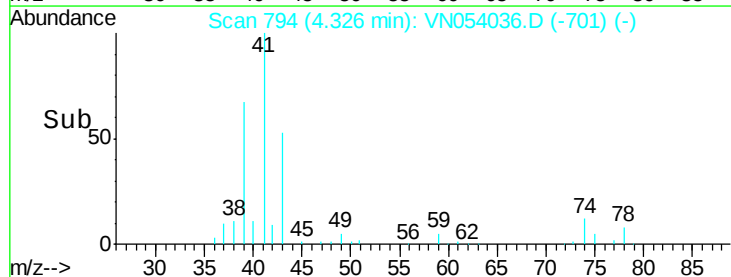
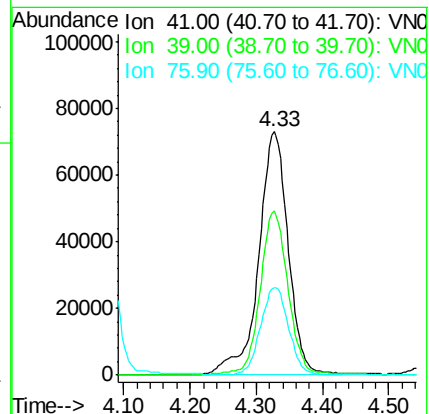
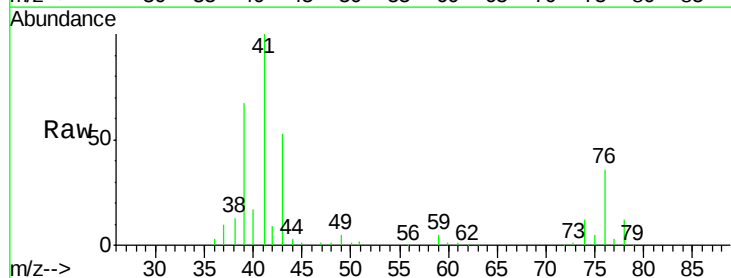
Tgt Ion: 41 Resp: 226765

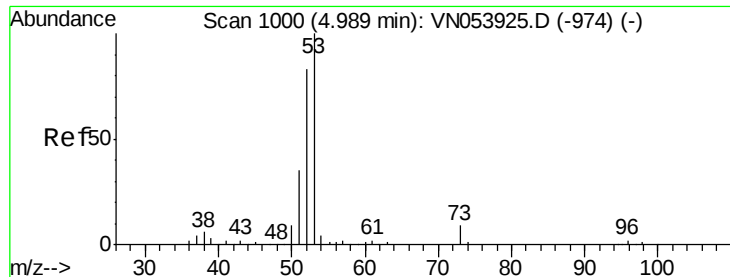
Ion Ratio Lower Upper

41 100

39 63.6 48.8 73.2

76 34.1 30.9 46.3





#15

Acrylonitrile

Concen: 105.525 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN054036.D

Acq: 1 Mar 2019 18:22

Instrument :

MSVOA_N

ClientSampleId :

VN0302WBSD01

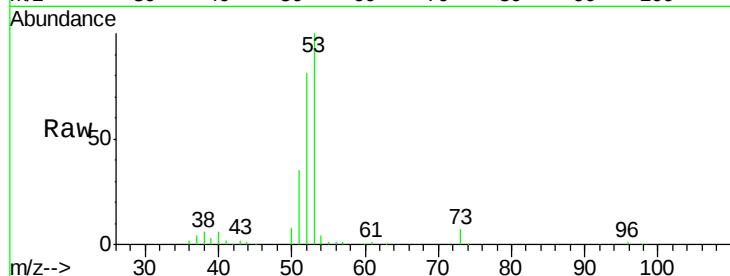
Tot Ion: 53 Resp: 263464

Ion Ratio Lower Upper

53 100

52 81.5 65.1 97.7

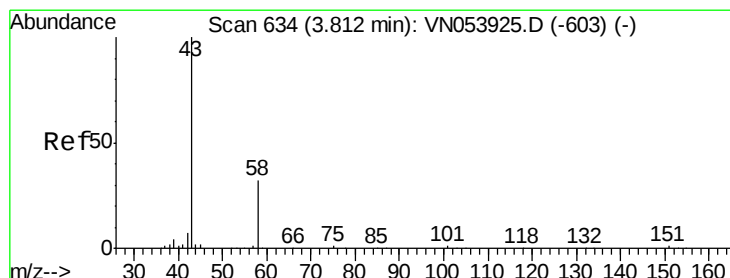
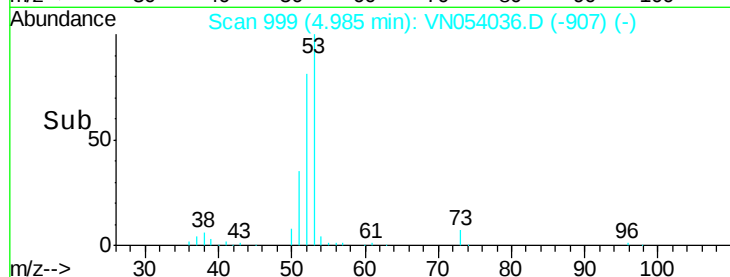
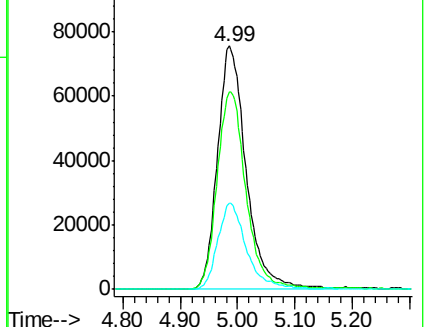
51 35.3 28.2 42.4



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: 94.068 ug/l

RT: 3.81 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN054036.D

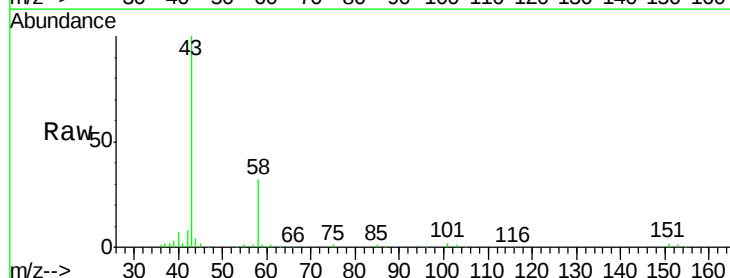
Acq: 1 Mar 2019 18:22

Tgt Ion: 43 Resp: 201073

Ion Ratio Lower Upper

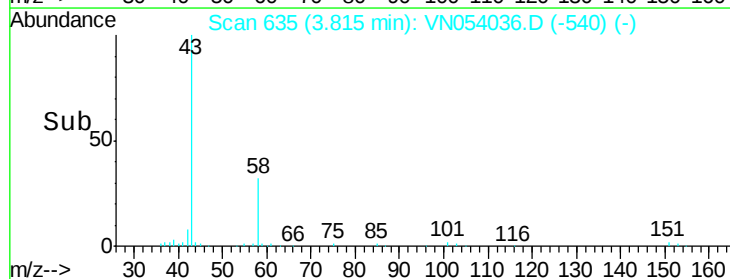
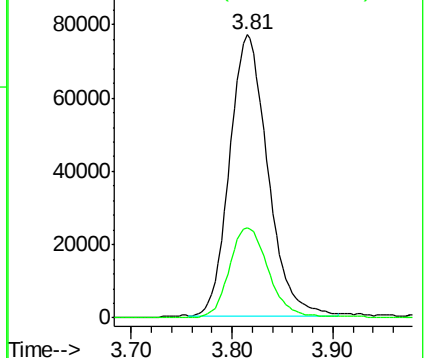
43 100

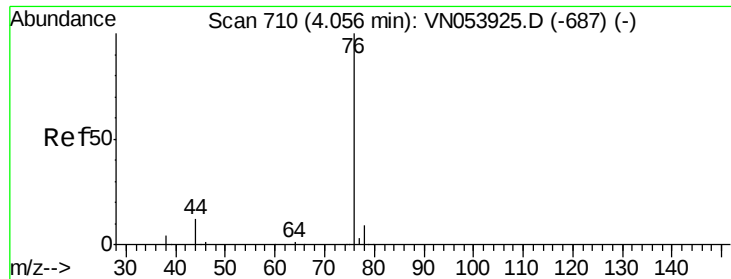
58 31.9 27.6 41.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

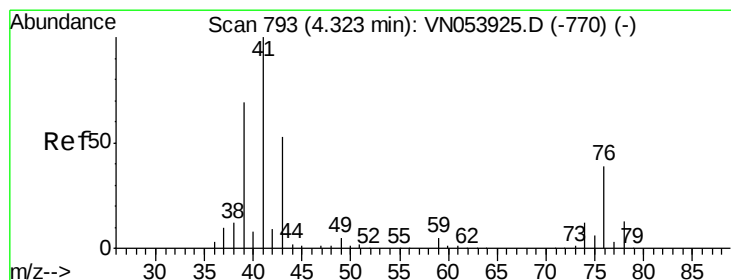
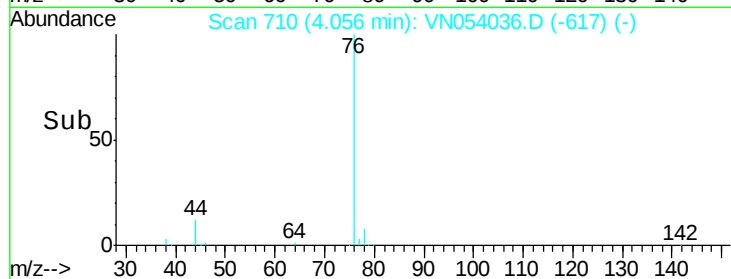
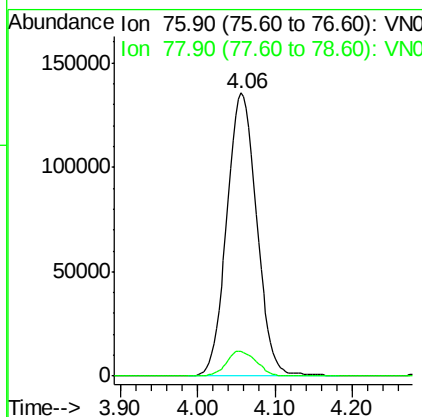
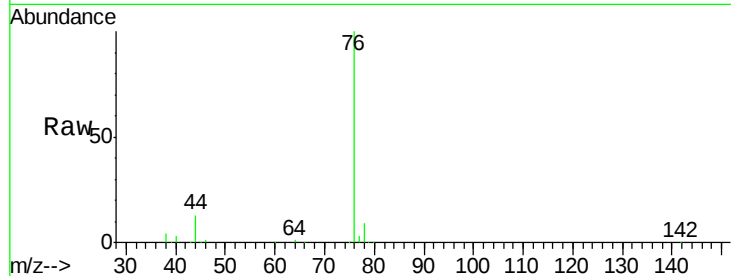




#17
Carbon Disulfide
Concen: 17.954 ug/l
RT: 4.06 min Scan# 710
Delta R.T. 0.00 min
Lab File: VN054036.D
Acq: 1 Mar 2019 18:22

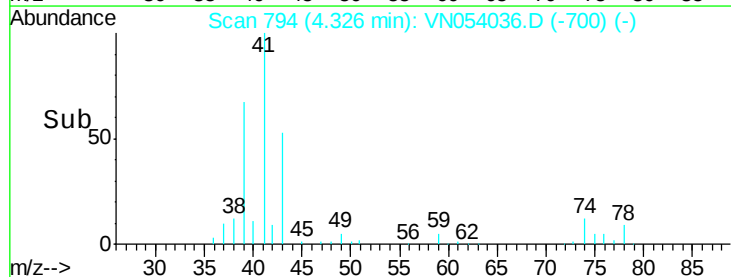
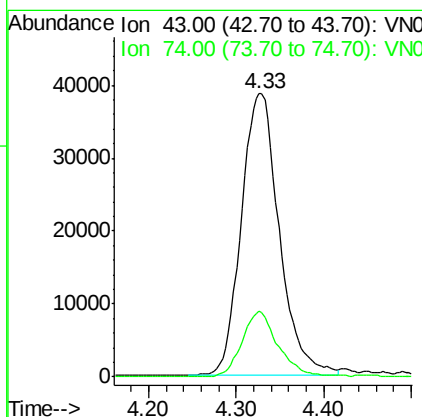
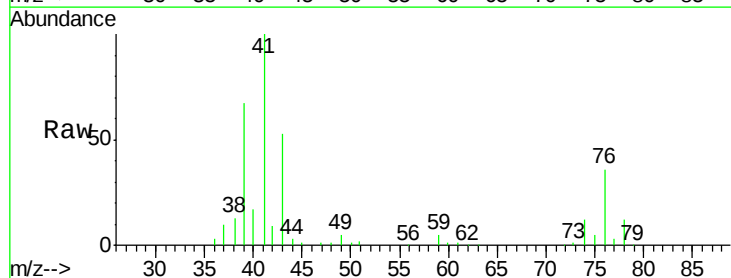
Instrument :
MSVOA_N
ClientSampleId :
VN0302WBSD01

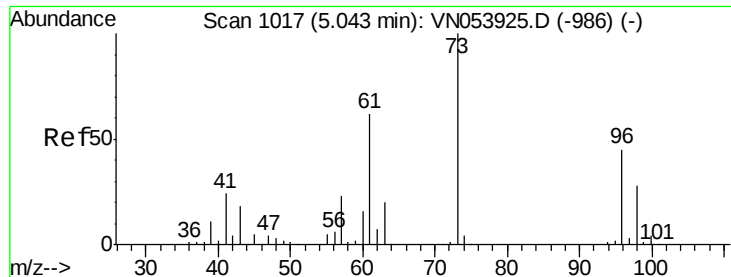
Tot Ion: 76 Resp: 364472
Ion Ratio Lower Upper
76 100
78 8.8 7.5 11.3



#18
Methyl Acetate
Concen: 22.294 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN054036.D
Acq: 1 Mar 2019 18:22

Tgt Ion: 43 Resp: 116490
Ion Ratio Lower Upper
43 100
74 22.1 20.5 30.7

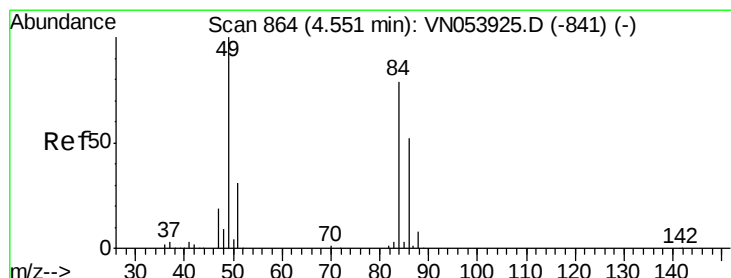
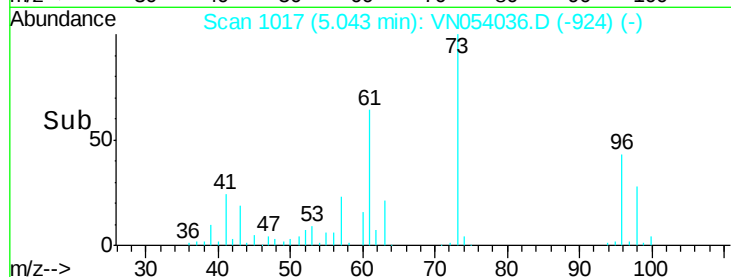
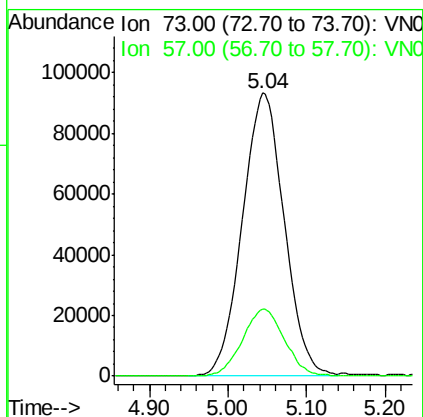
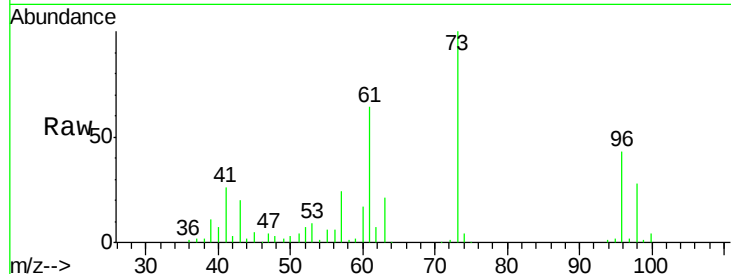




#19
Methvl tert-butvl Ether
Concen: 20.731 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VN054036.D
Acq: 1 Mar 2019 18:22

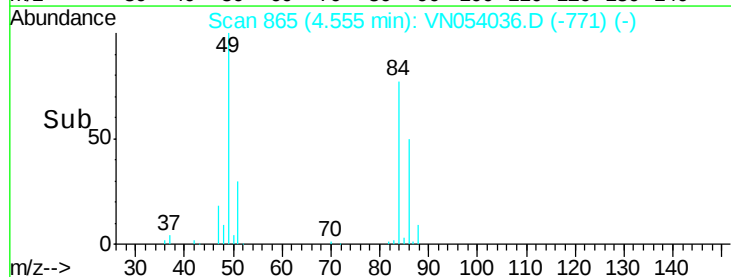
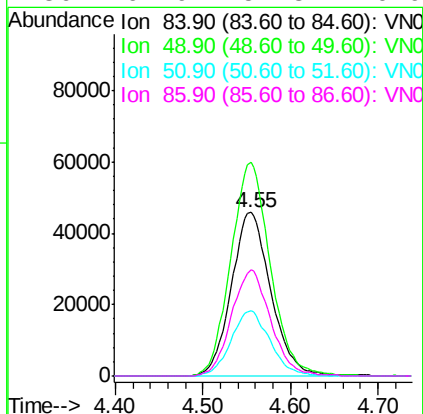
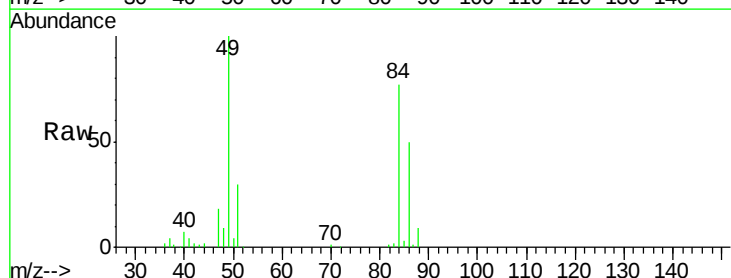
Instrument :
MSVOA_N
ClientSampleId :
VN0302WBSD01

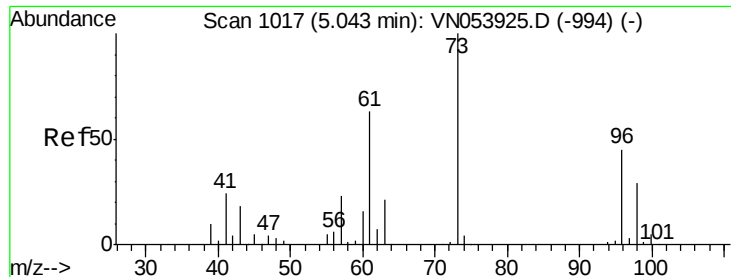
Tot Ion: 73 Resp: 349952
Ion Ratio Lower Upper
73 100
57 23.7 18.0 27.0



#20
Methylene Chloride
Concen: 19.409 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN054036.D
Acq: 1 Mar 2019 18:22

Tgt Ion: 84 Resp: 143544
Ion Ratio Lower Upper
84 100
49 130.5 89.7 134.5
51 39.7 27.8 41.8
86 64.9 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 19.293 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN054036.D

Acq: 1 Mar 2019 18:22

Instrument :

MSVOA_N

ClientSampleId :

VN0302WBSD01

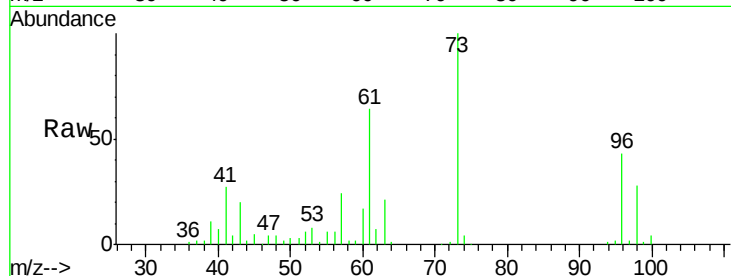
Tot Ion: 96 Resp: 131400

Ion Ratio Lower Upper

96 100

61 149.2 104.5 156.7

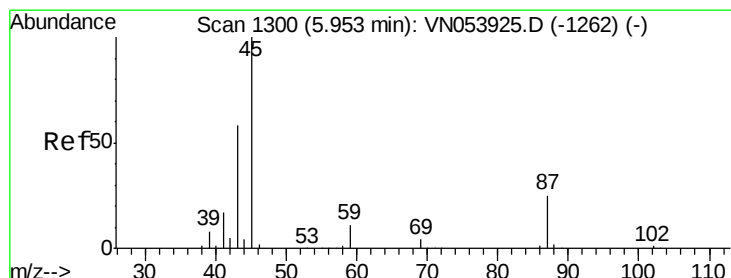
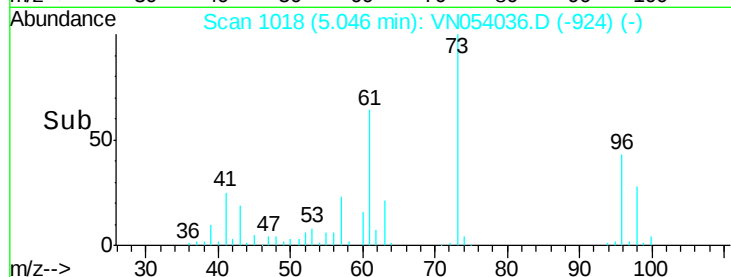
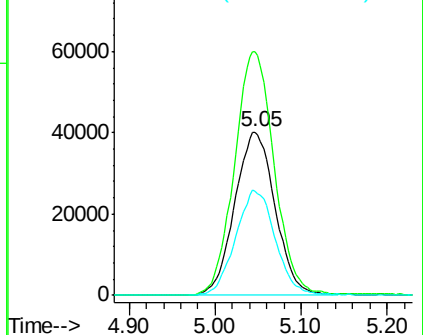
98 63.7 50.6 76.0



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 21.311 ug/l

RT: 5.95 min Scan# 1299

Delta R.T. -0.00 min

Lab File: VN054036.D

Acq: 1 Mar 2019 18:22

Tgt Ion: 45 Resp: 453759

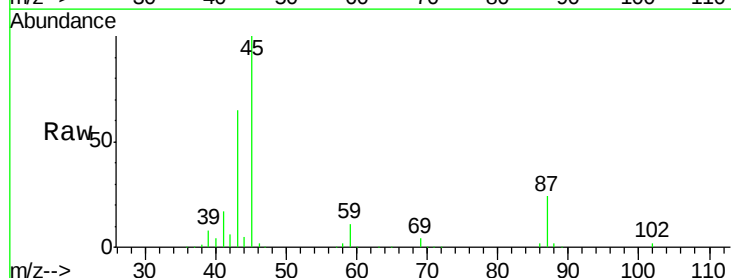
Ion Ratio Lower Upper

45 100

43 62.0 46.2 69.4

87 24.0 23.4 35.0

59 10.6 9.4 14.0

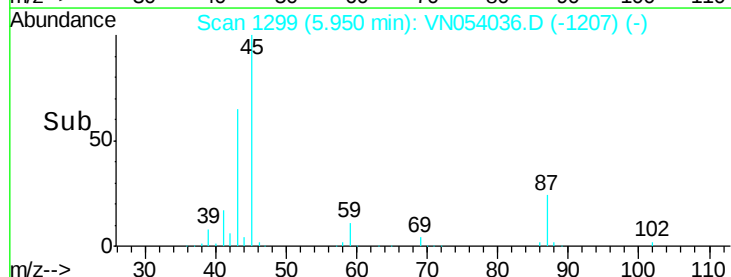
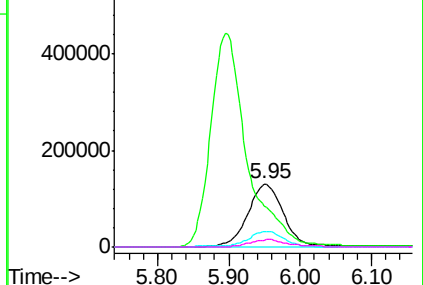


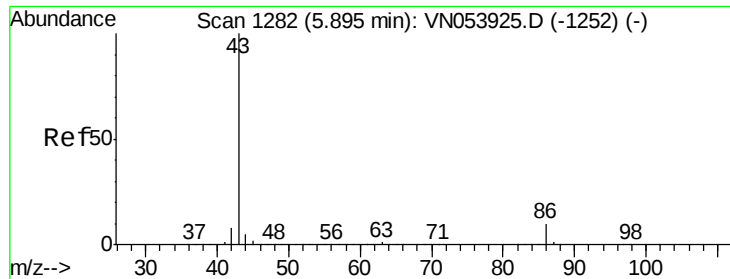
Abundance Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0

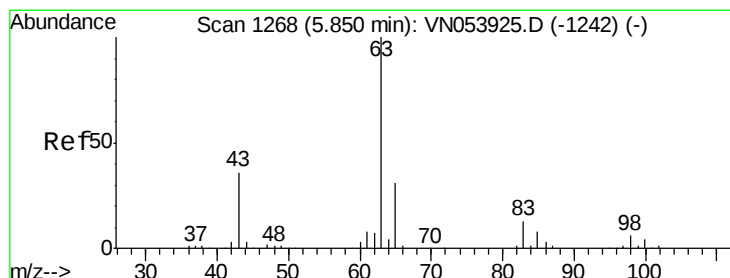
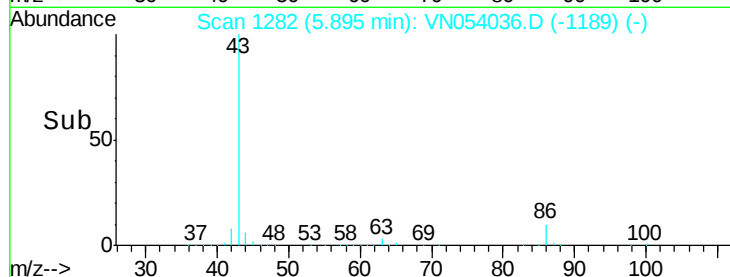
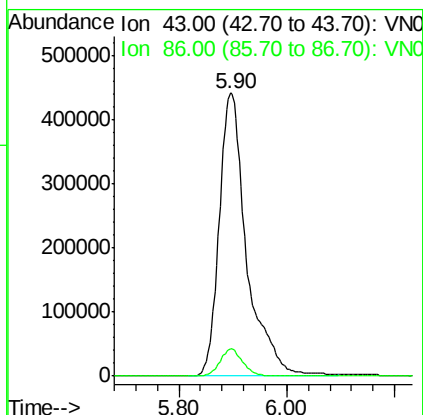
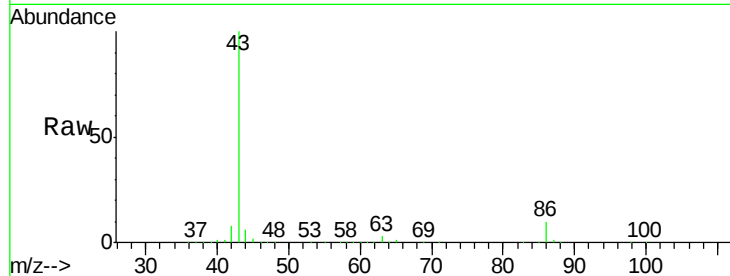




#23
 Vinyl Acetate
 Concen: 102.312 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN054036.D
 Acq: 1 Mar 2019 18:22

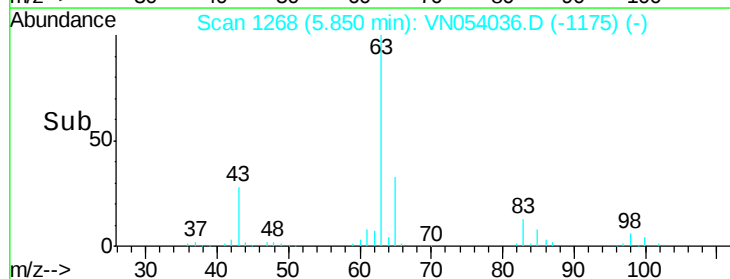
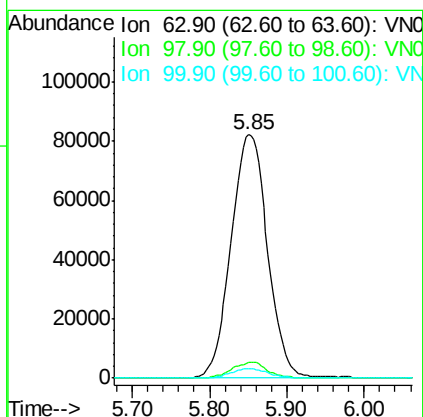
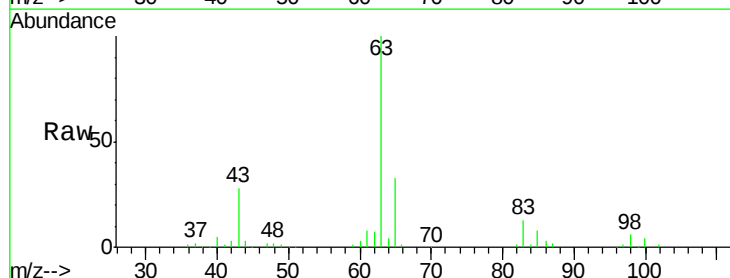
Instrument :
 MSVOA_N
 ClientSampleID :
 VN0302WBSD01

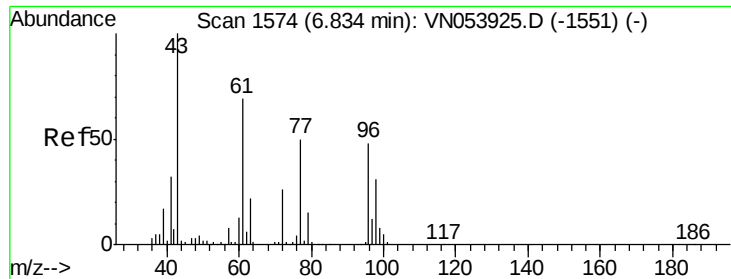
Tot Ion: 43 Resp: 1567163
 Ion Ratio Lower Upper
 43 100
 86 9.7 9.1 13.7



#24
 1,1-Dichloroethane
 Concen: 20.631 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VN054036.D
 Acq: 1 Mar 2019 18:22

Tgt Ion: 63 Resp: 269387
 Ion Ratio Lower Upper
 63 100
 98 6.3 3.4 10.2
 100 3.8 2.2 6.6





#25

2-Butanone

Concen: 100.889 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VN054036.D

Acq: 1 Mar 2019 18:22

Instrument :

MSVOA_N

ClientSampleId :

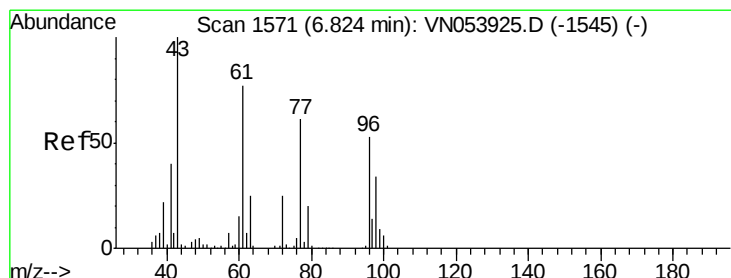
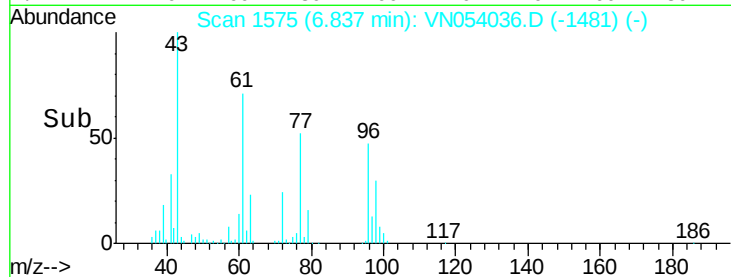
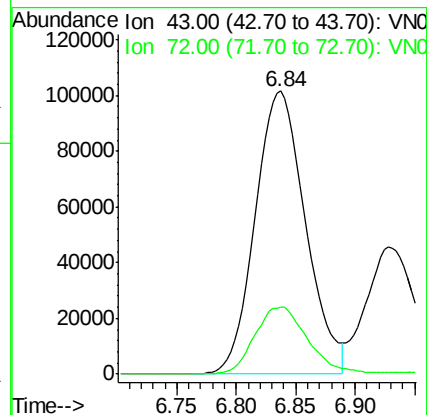
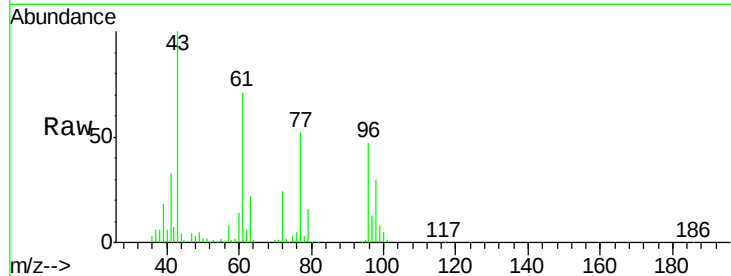
VN0302WBSD01

Tot Ion: 43 Resp: 296018

Ion Ratio Lower Upper

43 100

72 23.8 22.1 33.1



#26

2,2-Dichloropropane

Concen: 20.250 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN054036.D

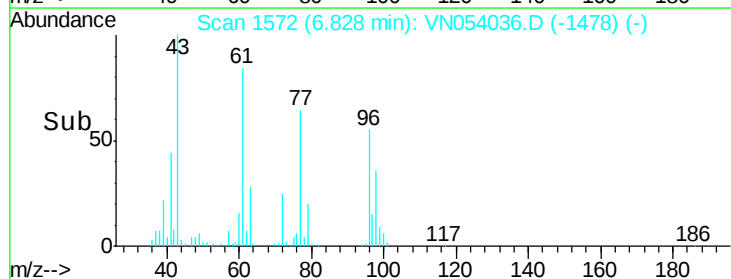
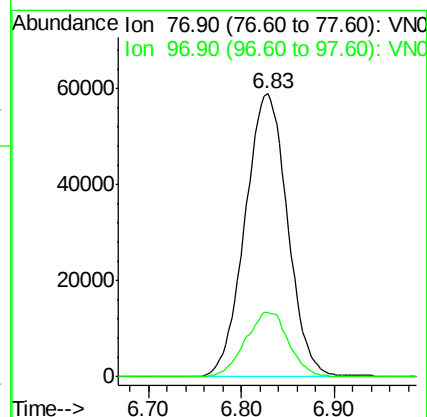
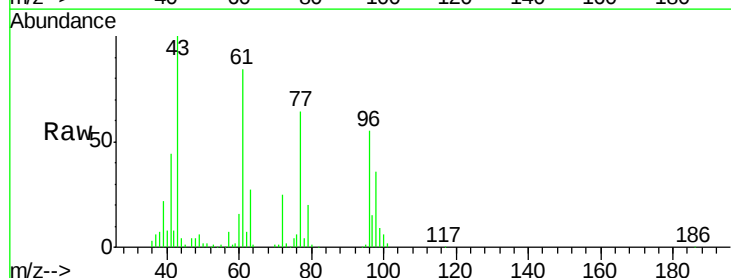
Acq: 1 Mar 2019 18:22

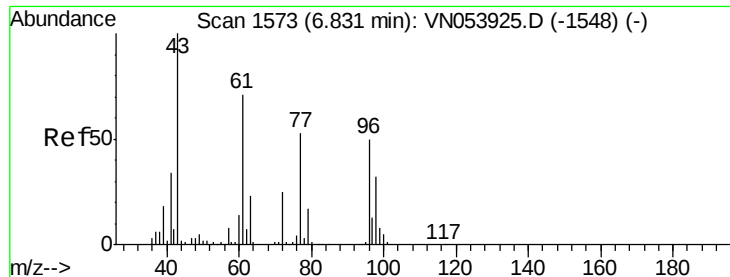
Tgt Ion: 77 Resp: 187853

Ion Ratio Lower Upper

77 100

97 23.2 12.3 36.9





#27

cis-1,2-Dichloroethene

Concen: 20.125 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN054036.D

Acq: 1 Mar 2019 18:22

Instrument :

MSVOA_N

ClientSampled :

VN0302WBSD01

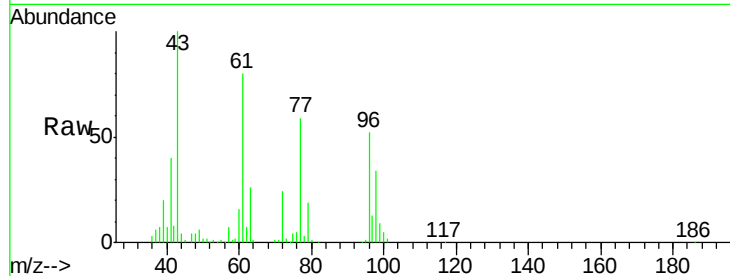
Tot Ion: 96 Resp: 152438

Ion Ratio Lower Upper

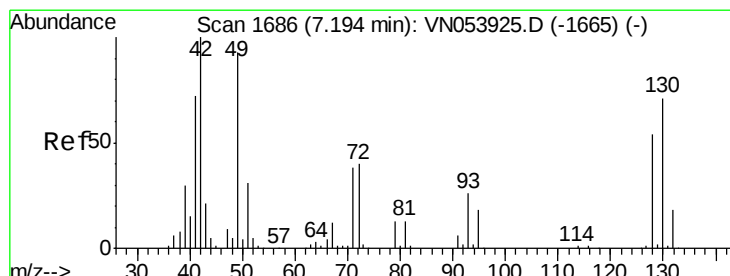
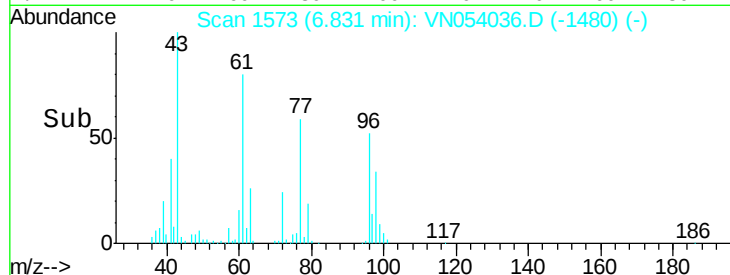
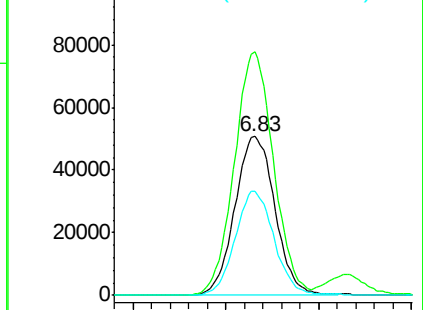
96 100

61 149.7 0.0 275.6

98 63.6 0.0 130.0



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



#28

Bromochloromethane

Concen: 21.639 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN054036.D

Acq: 1 Mar 2019 18:22

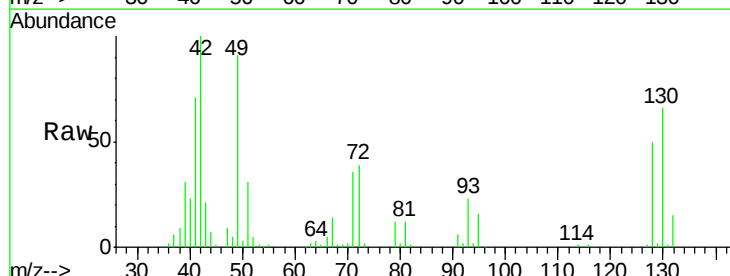
Tgt Ion: 49 Resp: 129331

Ion Ratio Lower Upper

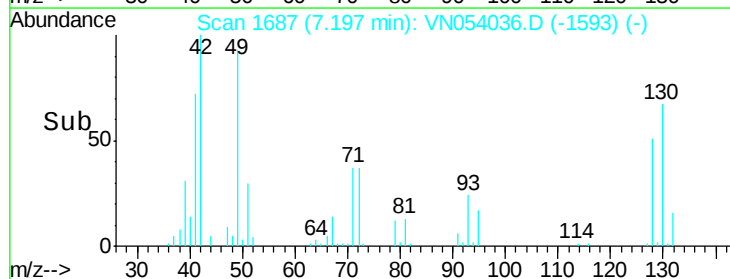
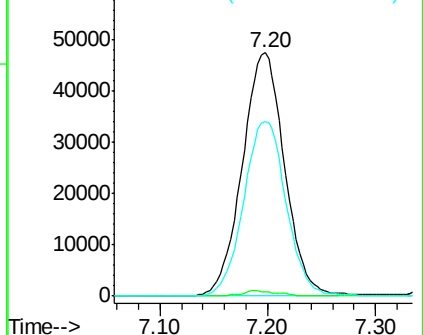
49 100

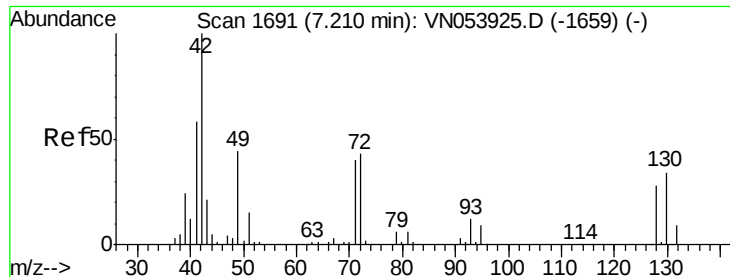
129 1.8 0.0 4.6

130 72.4 72.9 109.3#



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

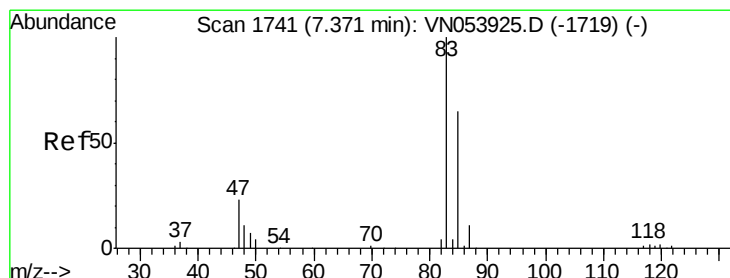
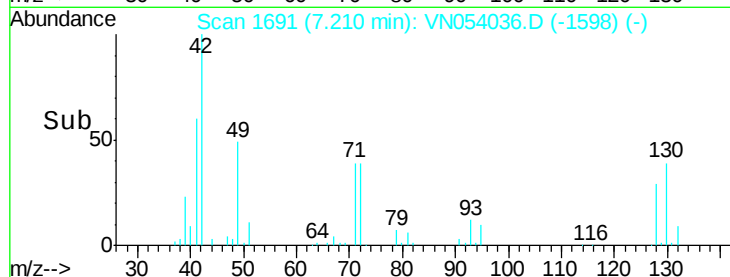
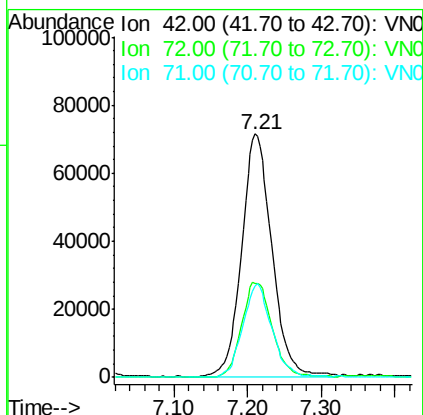
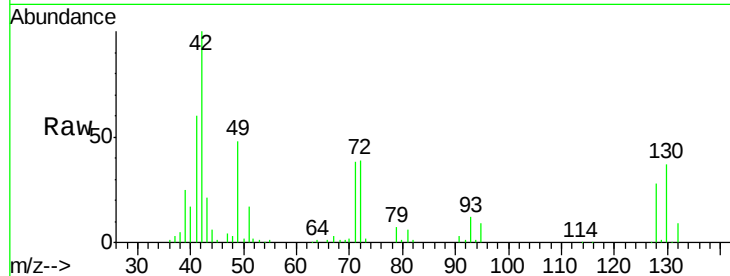




#29
Tetrahydrofuran
Concen: 104.230 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN054036.D
Acq: 1 Mar 2019 18:22

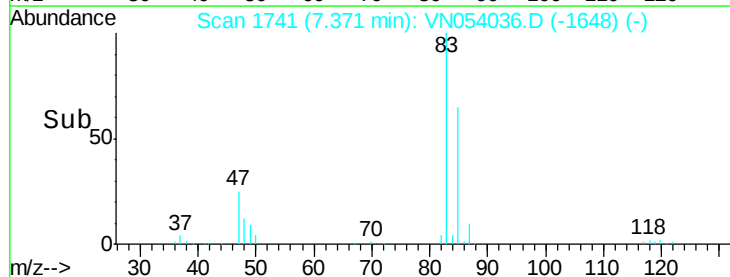
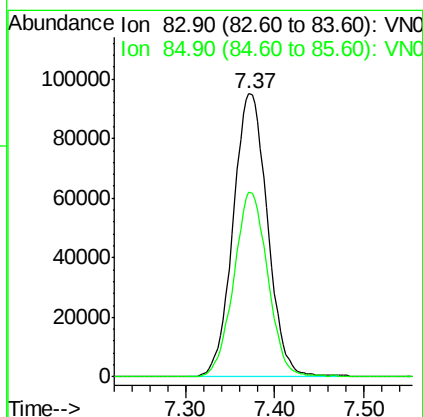
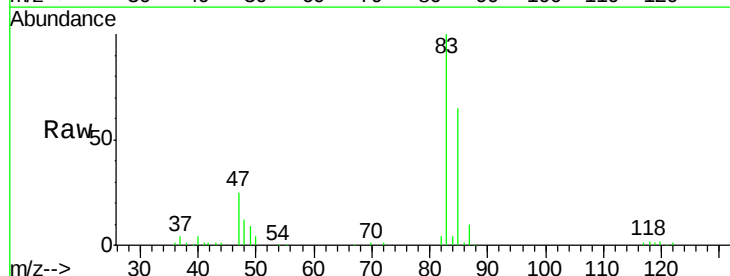
Instrument :
MSVOA_N
ClientSampleId :
VN0302WBSD01

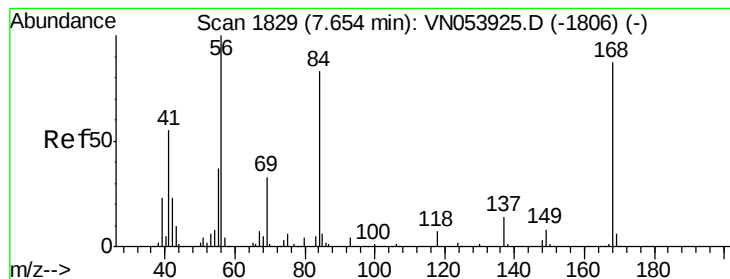
Tot Ion: 42 Resp: 203655
Ion Ratio Lower Upper
42 100
72 39.4 36.9 55.3
71 36.8 34.6 52.0



#30
Chloroform
Concen: 20.124 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN054036.D
Acq: 1 Mar 2019 18:22

Tgt Ion: 83 Resp: 254792
Ion Ratio Lower Upper
83 100
85 65.1 52.6 78.8





#31

Cyclohexane

Concen: 20.043 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN054036.D

Acq: 1 Mar 2019 18:22

Instrument :

MSVOA_N

ClientSampled :

VN0302WBSD01

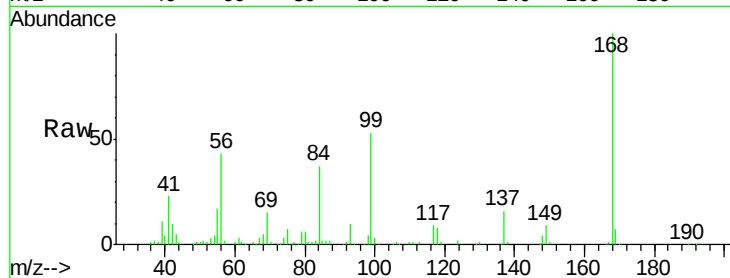
Tot Ion: 56 Resp: 242444

Ion Ratio Lower Upper

56 100

69 35.1 26.0 39.0

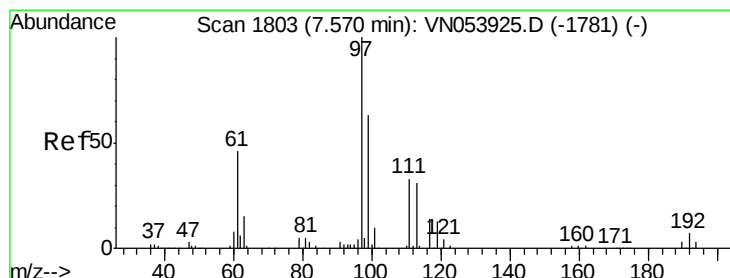
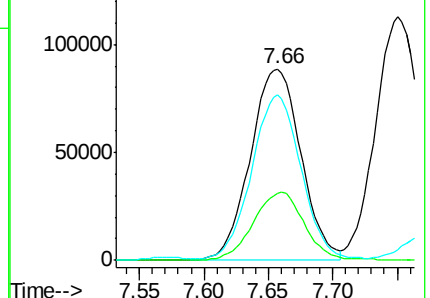
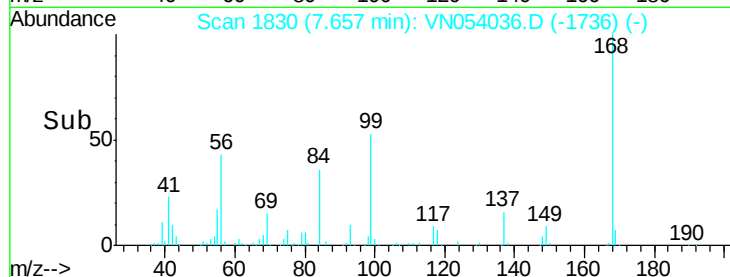
84 85.7 69.1 103.7



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 20.339 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN054036.D

Acq: 1 Mar 2019 18:22

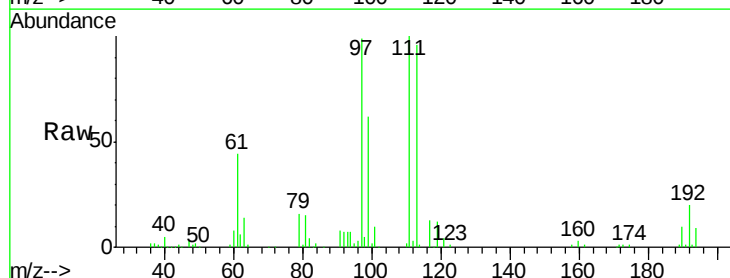
Tgt Ion: 97 Resp: 212336

Ion Ratio Lower Upper

97 100

99 63.4 51.8 77.8

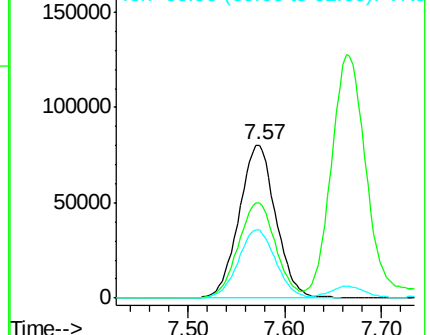
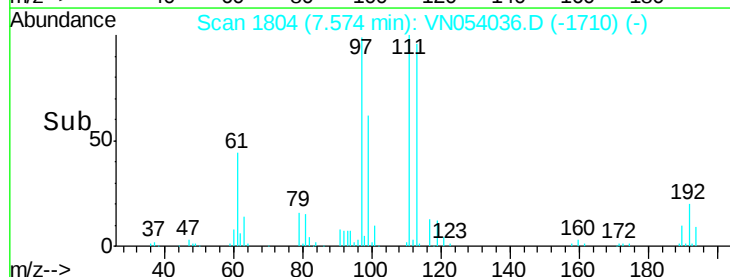
61 45.2 33.2 49.8

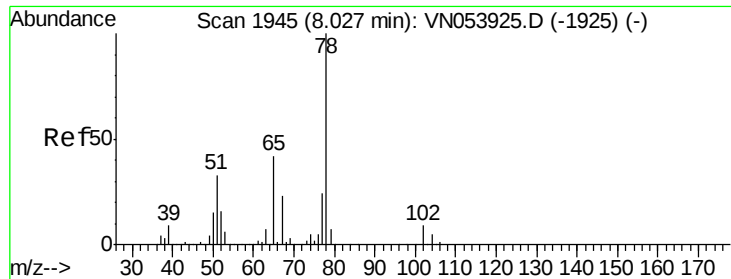


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

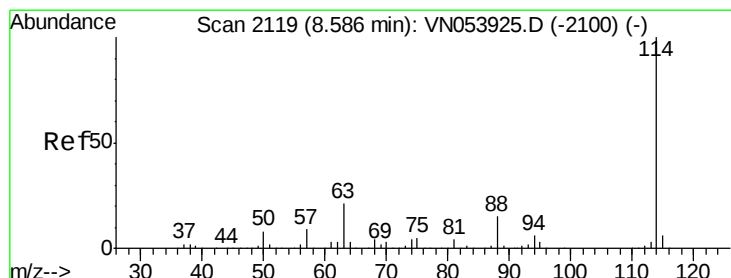
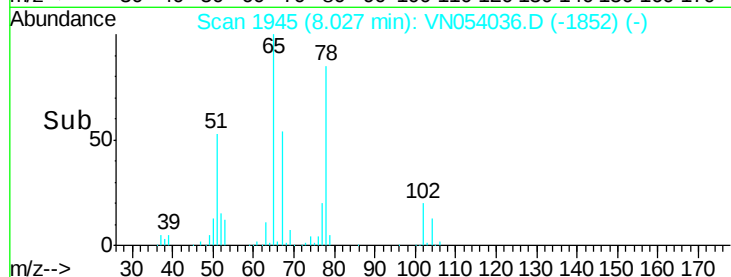
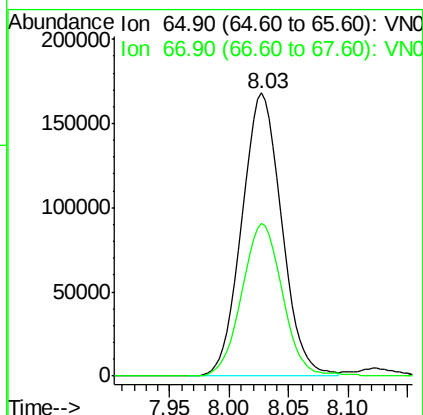
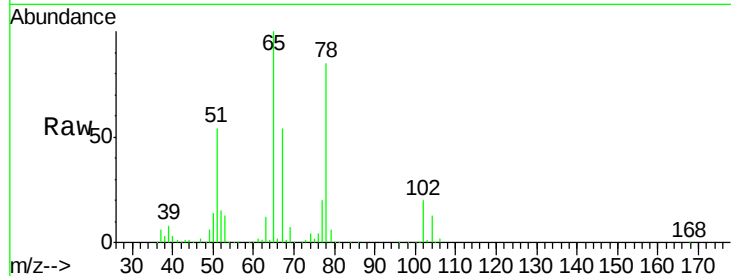




#33
 1,2-Dichloroethane-d4
 Concen: 52.233 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN054036.D
 Acq: 1 Mar 2019 18:22

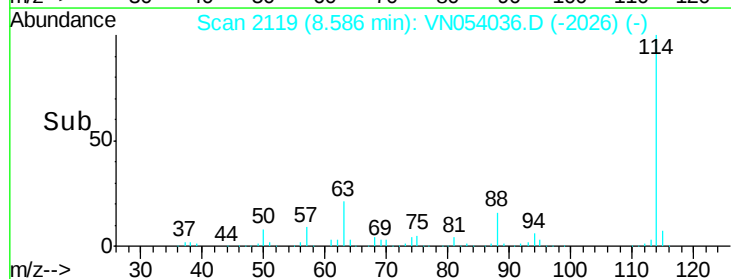
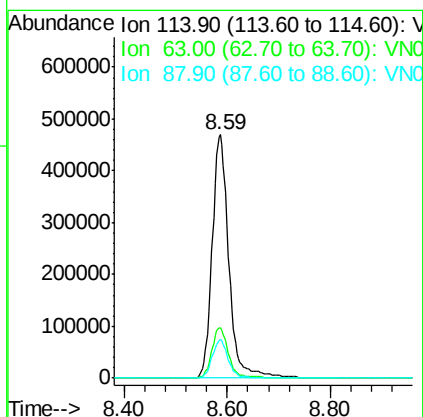
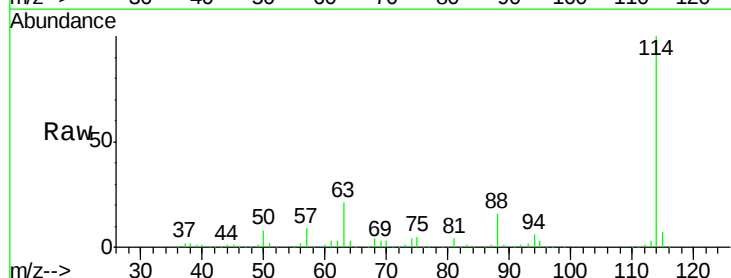
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0302WBSD01

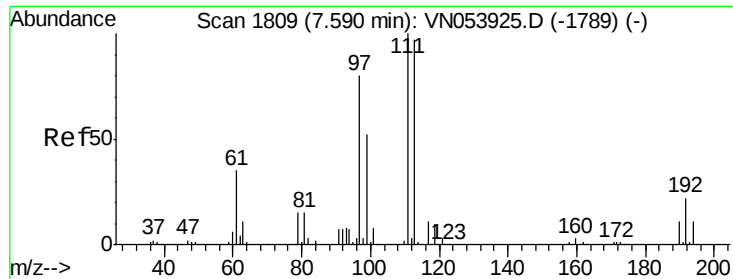
Tot Ion: 65 Resp: 390314
 Ion Ratio Lower Upper
 65 100
 67 55.1 0.0 111.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054036.D
 Acq: 1 Mar 2019 18:22

Tgt Ion: 114 Resp: 1057931
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 37.4
 88 15.7 0.0 30.4

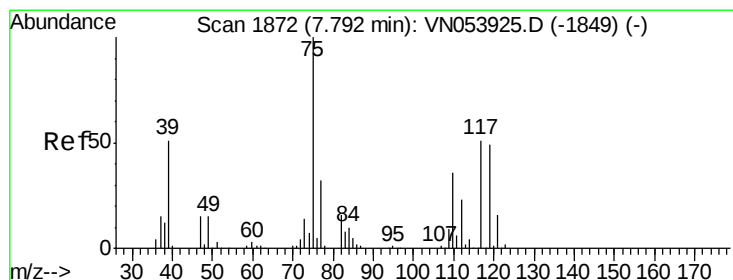
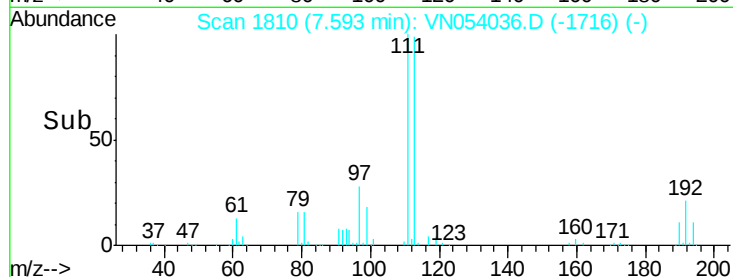
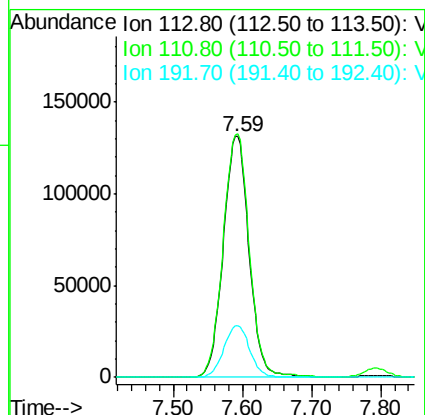
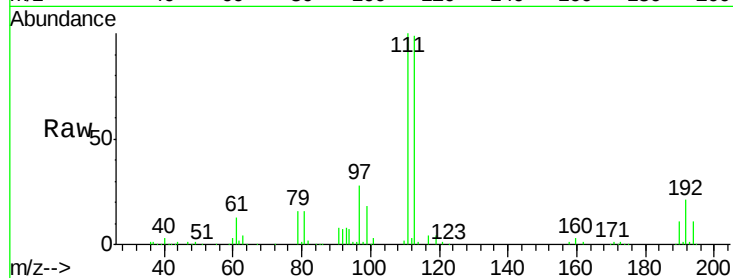




#35
 Dibromofluoromethane
 Concen: 49.934 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN054036.D
 Acq: 1 Mar 2019 18:22

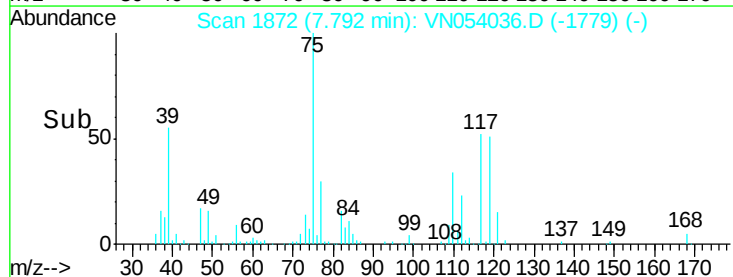
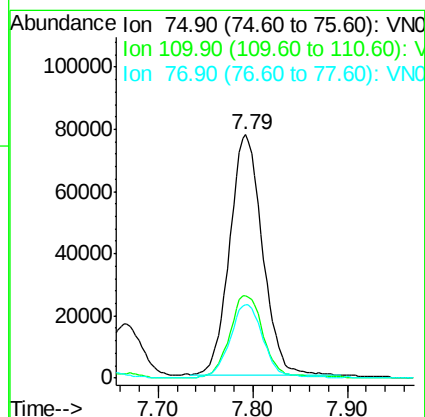
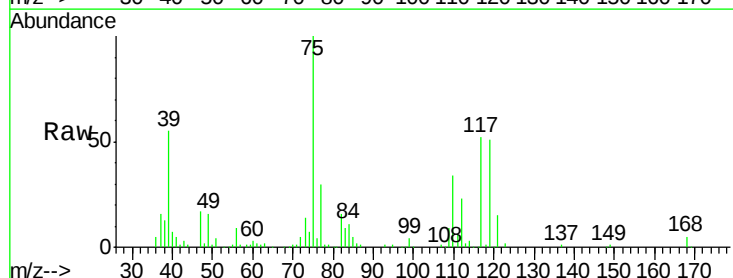
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0302WBSD01

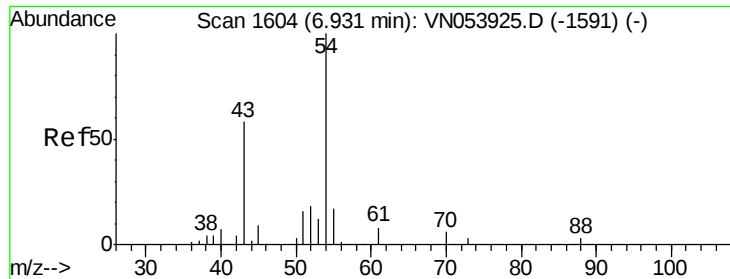
Tot Ion:113 Resp: 341608
 Ion Ratio Lower Upper
 113 100
 111 102.2 81.1 121.7
 192 21.5 18.8 28.2



#36
 1,1-Dichloropropene
 Concen: 19.065 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN054036.D
 Acq: 1 Mar 2019 18:22

Tgt Ion: 75 Resp: 187567
 Ion Ratio Lower Upper
 75 100
 110 35.1 19.0 57.0
 77 31.4 25.4 38.0

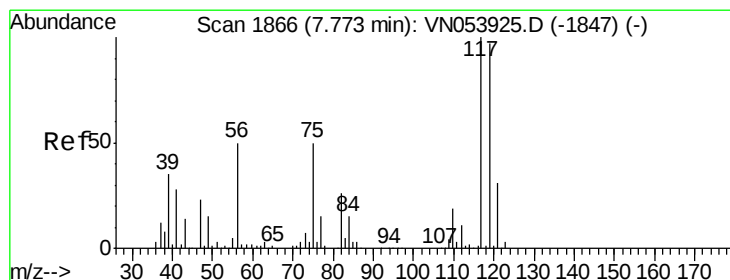
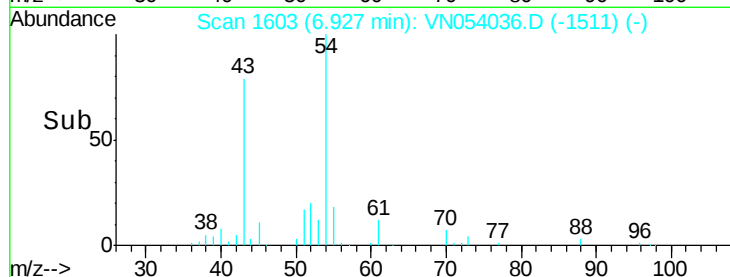
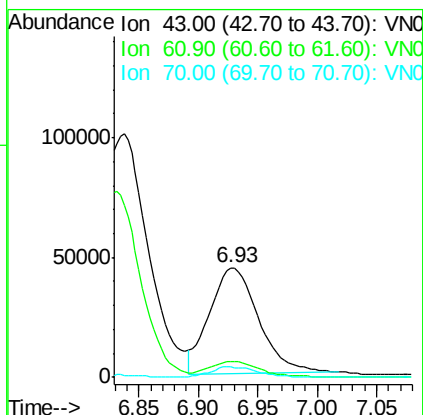
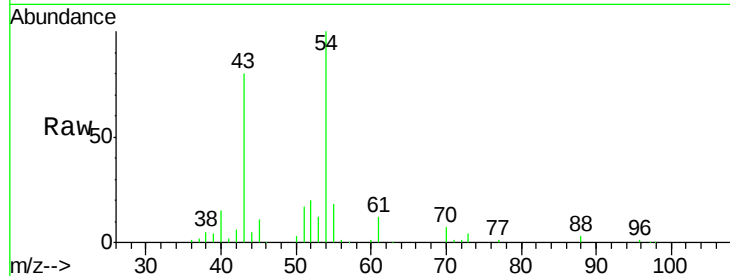




#37
Ethyl Acetate
Concen: 18.103 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN054036.D
Acq: 1 Mar 2019 18:22

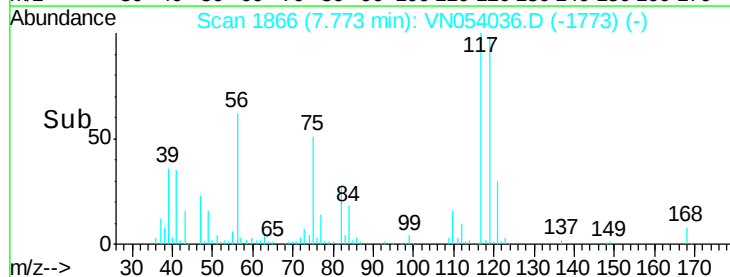
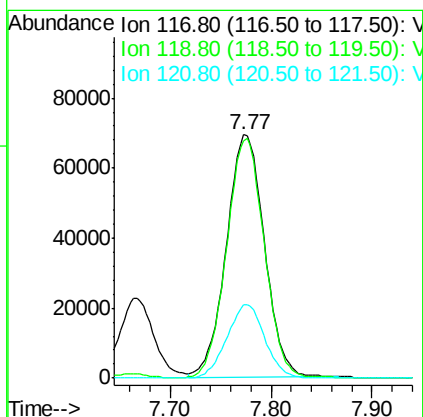
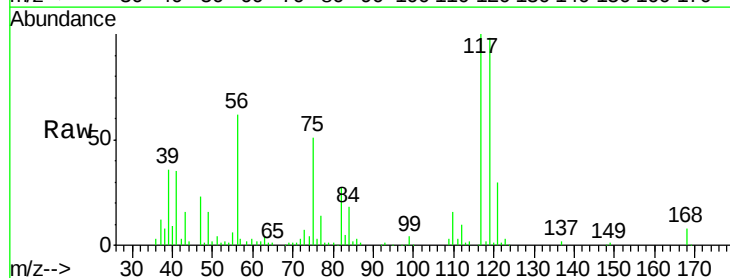
Instrument :
MSVOA_N
ClientSampleID :
VN0302WBSD01

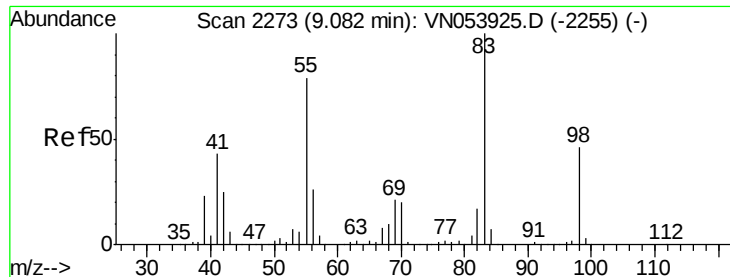
Tot Ion: 43 Resp: 127171
Ion Ratio Lower Upper
43 100
61 14.3 12.0 18.0
70 9.9 8.7 13.1



#38
Carbon Tetrachloride
Concen: 17.749 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN054036.D
Acq: 1 Mar 2019 18:22

Tgt Ion: 117 Resp: 181610
Ion Ratio Lower Upper
117 100
119 97.9 76.2 114.2
121 30.3 24.6 36.8

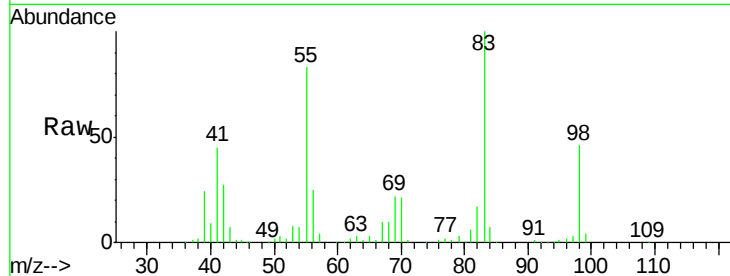




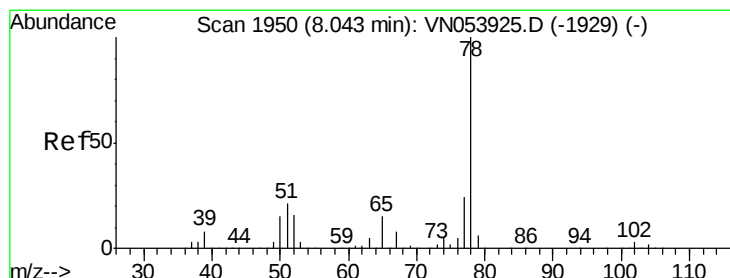
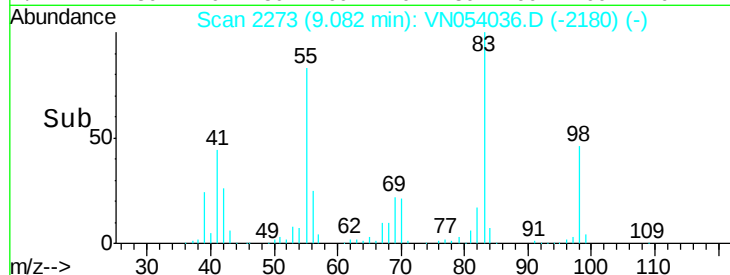
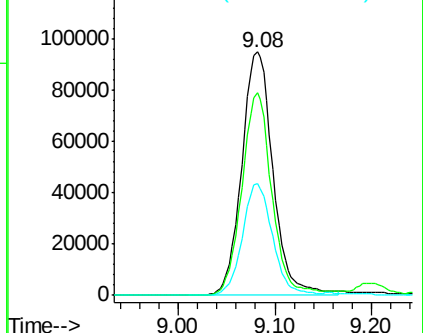
#39
Methvlcvclohexane
Concen: 18.047 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN054036.D
Acq: 1 Mar 2019 18:22

Instrument :
MSVOA_N
ClientSampleId :
VN0302WBSD01

Tot Ion: 83 Resp: 214001
Ion Ratio Lower Upper
83 100
55 82.9 58.2 87.4
98 45.8 37.2 55.8

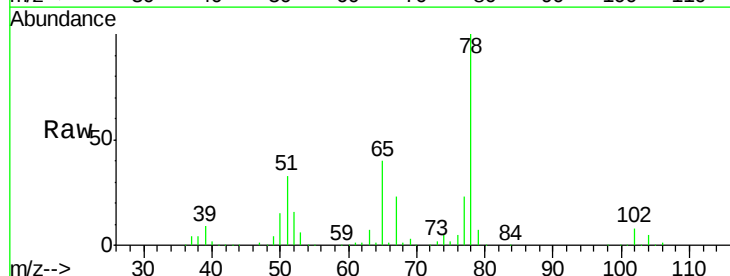


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

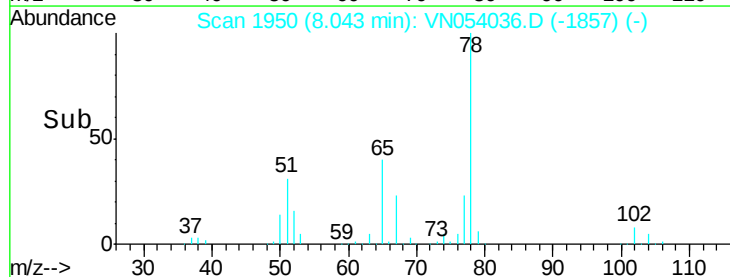
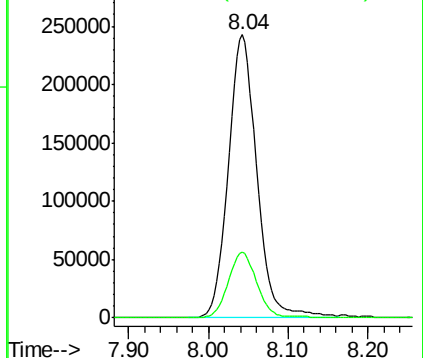


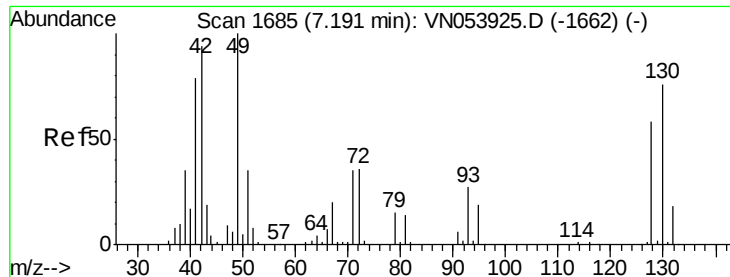
#40
Benzene
Concen: 19.419 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN054036.D
Acq: 1 Mar 2019 18:22

Tgt Ion: 78 Resp: 586921
Ion Ratio Lower Upper
78 100
77 23.4 18.8 28.2



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

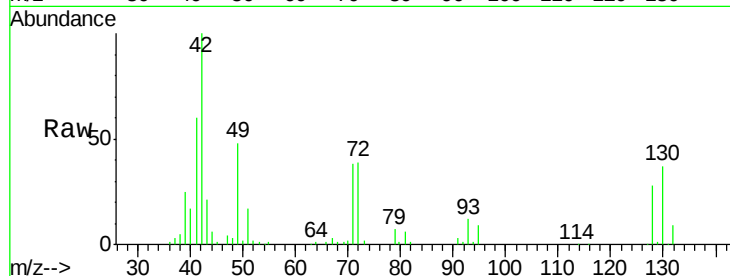




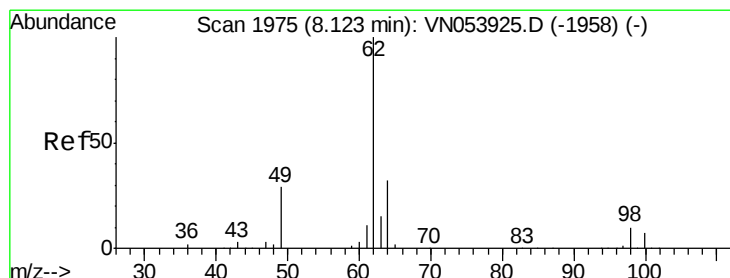
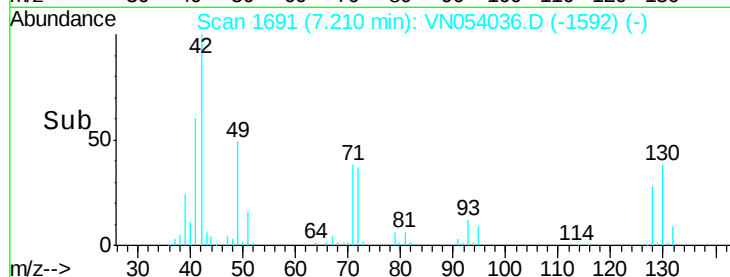
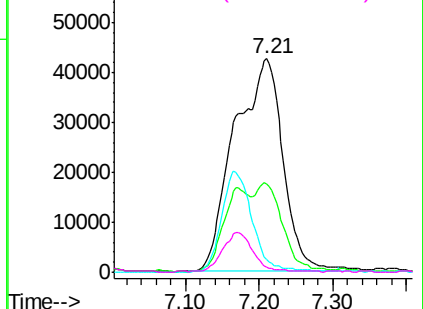
#41
Methacrylonitrile
Concen: 42.954 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.02 min
Lab File: VN054036.D
Acq: 1 Mar 2019 18:22

Instrument :
MSVOA_N
ClientSampleId :
VN0302WBSD01

Tot Ion: 41 Resp: 194303
Ion Ratio Lower Upper
41 100
39 0.0 0.0 0.0
67 0.0 0.0 0.0
52 0.0 0.0 0.0

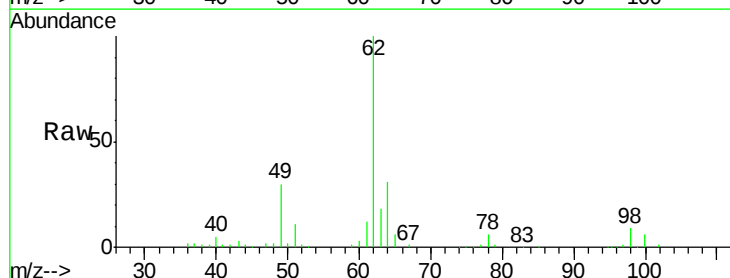


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

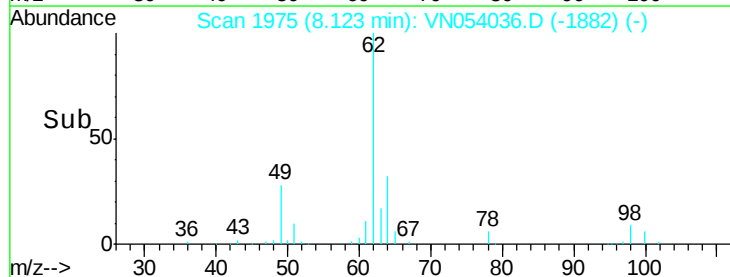
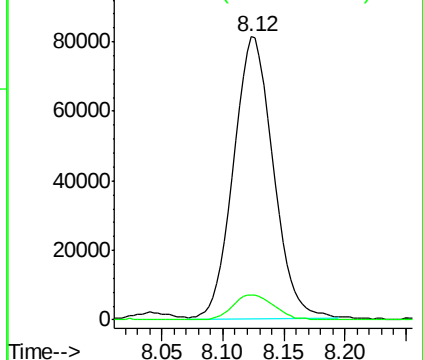


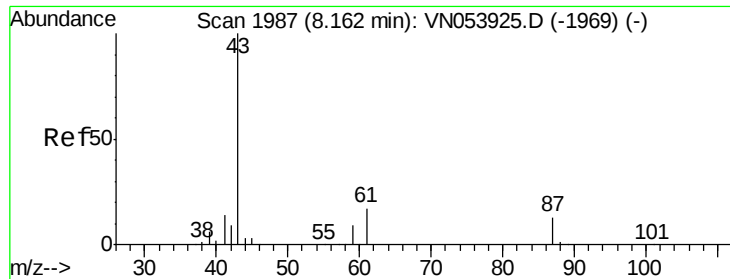
#42
1,2-Dichloroethane
Concen: 19.503 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN054036.D
Acq: 1 Mar 2019 18:22

Tgt Ion: 62 Resp: 182497
Ion Ratio Lower Upper
62 100
98 9.3 0.0 20.8



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 18.873 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN054036.D

Acq: 1 Mar 2019 18:22

Instrument :

MSVOA_N

ClientSampleID :

VN0302WBSD01

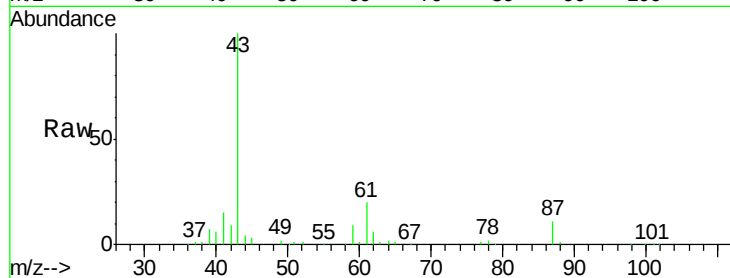
Tot Ion: 43 Resp: 223860

Ion Ratio Lower Upper

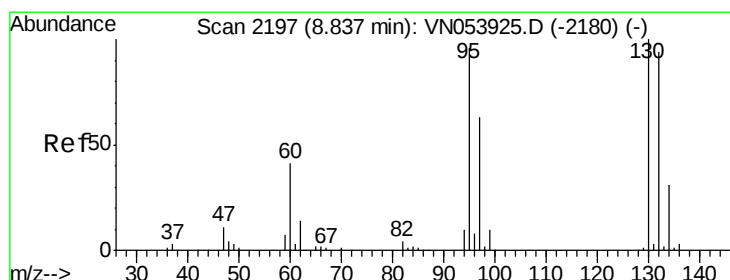
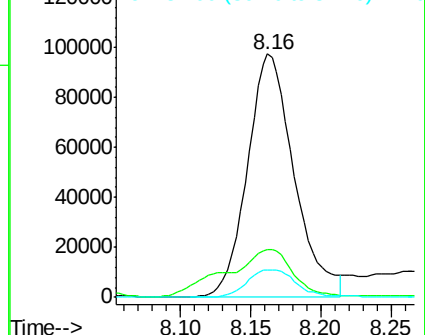
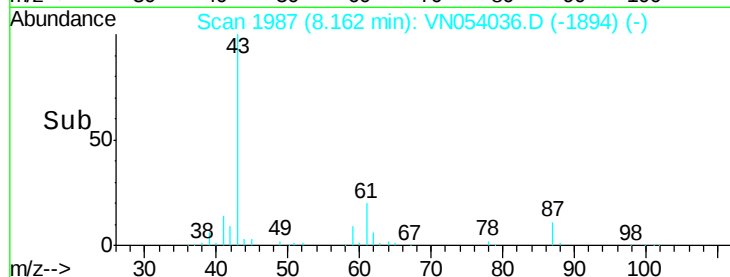
43 100

61 27.7 17.4 26.0#

87 11.8 11.5 17.3



Abundance Ion 43.00 (42.70 to 43.70): VN054036.D (-1894) (-)



#44

Trichloroethene

Concen: 18.795 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN054036.D

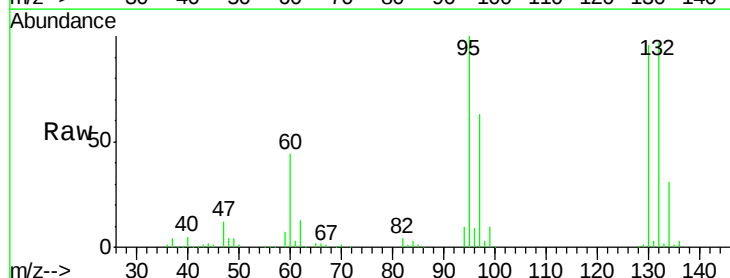
Acq: 1 Mar 2019 18:22

Tgt Ion:130 Resp: 150597

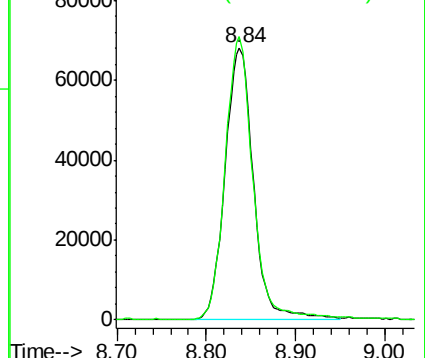
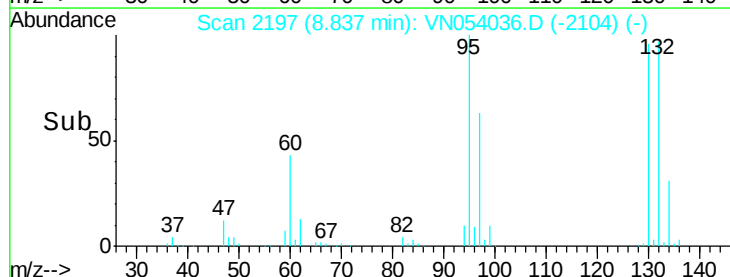
Ion Ratio Lower Upper

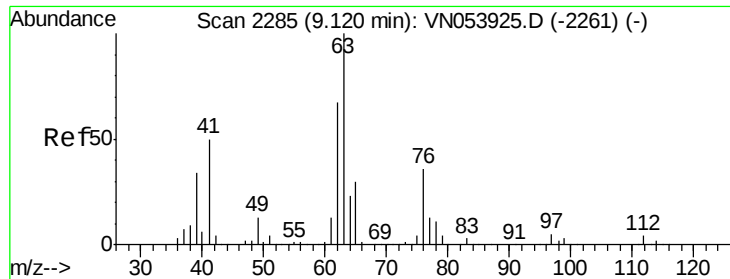
130 100

95 103.7 0.0 190.0



Abundance Ion 129.80 (129.50 to 130.50): VN054036.D (-2104) (-)





#45

1,2-Dichloropropane

Concen: 19.852 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN054036.D

Acq: 1 Mar 2019 18:22

Instrument :

MSVOA_N

ClientSampleId :

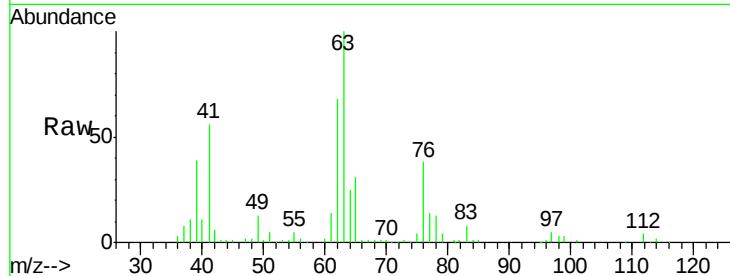
VN0302WBSD01

Tot Ion: 63 Resp: 161875

Ion Ratio Lower Upper

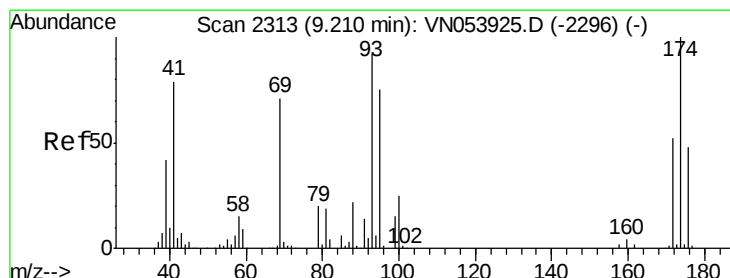
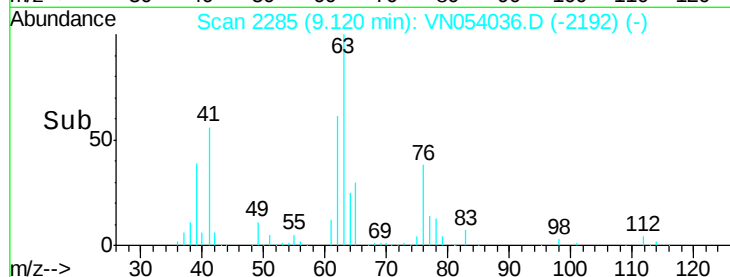
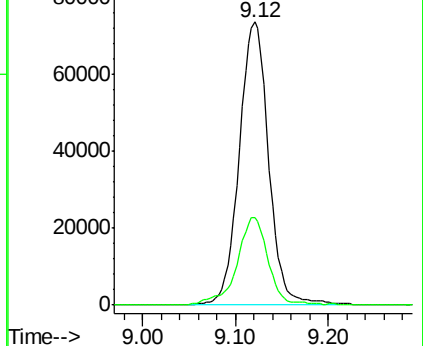
63 100

65 30.7 24.3 36.5



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 19.162 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN054036.D

Acq: 1 Mar 2019 18:22

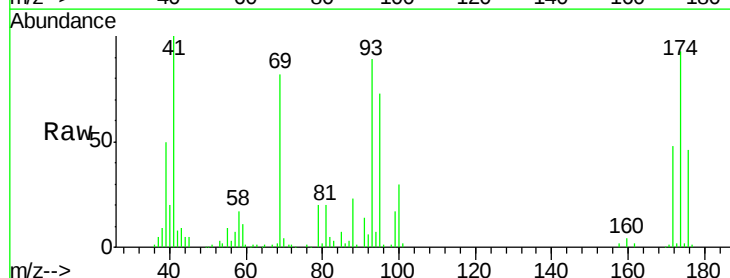
Tgt Ion: 93 Resp: 90714

Ion Ratio Lower Upper

93 100

95 81.9 66.6 100.0

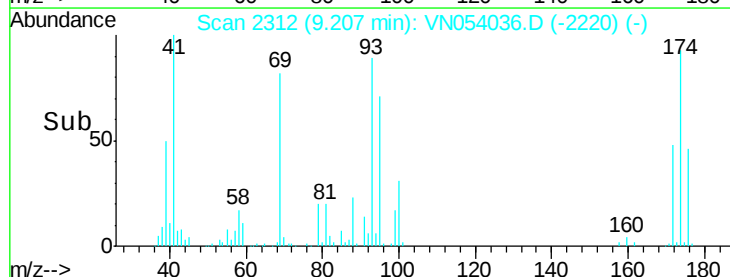
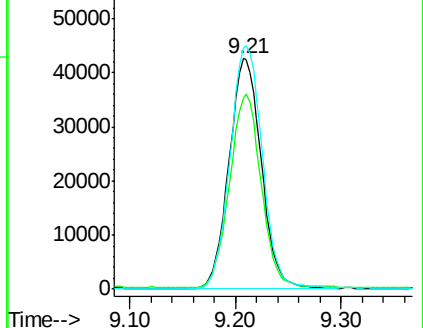
174 105.9 96.2 144.4

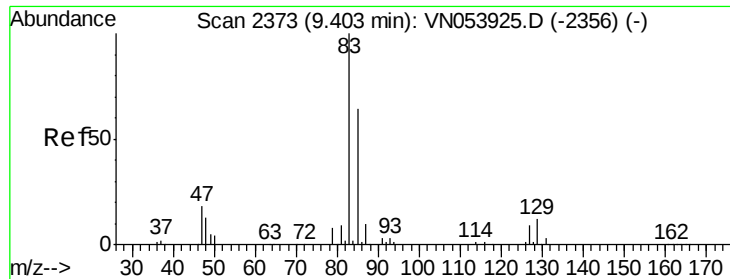


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 19.575 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN054036.D

Acq: 1 Mar 2019 18:22

Instrument :

MSVOA_N

ClientSampleId :

VN0302WBSD01

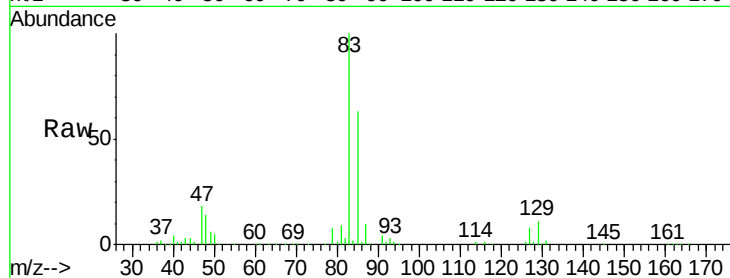
Tot Ion: 83 Resp: 195293

Ion Ratio Lower Upper

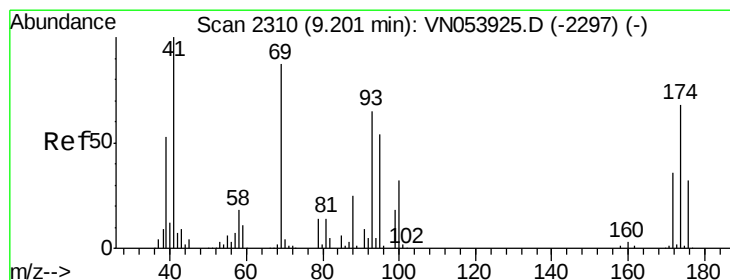
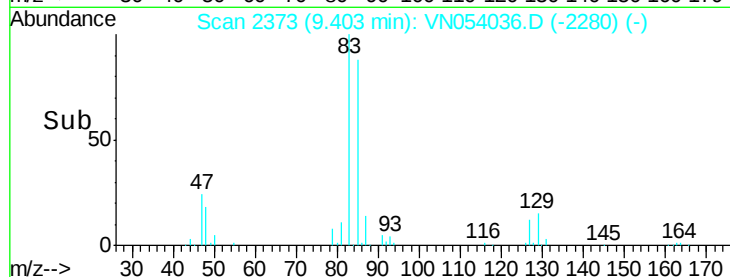
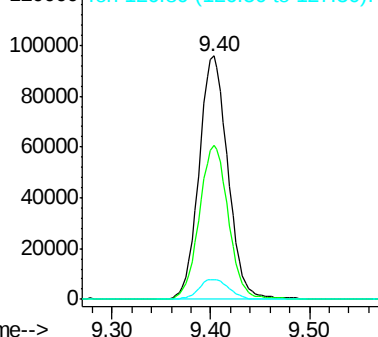
83 100

85 63.2 51.8 77.6

127 8.3 7.4 11.0



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



#48

Methyl methacrylate

Concen: 19.635 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN054036.D

Acq: 1 Mar 2019 18:22

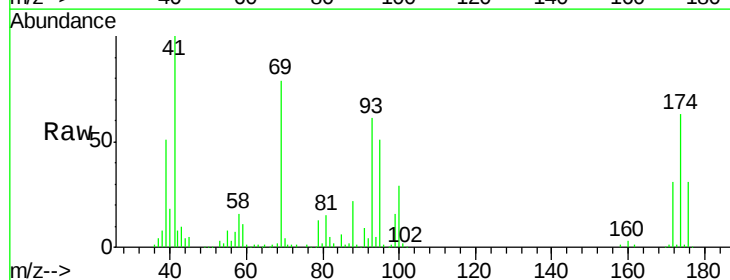
Tgt Ion: 41 Resp: 107124

Ion Ratio Lower Upper

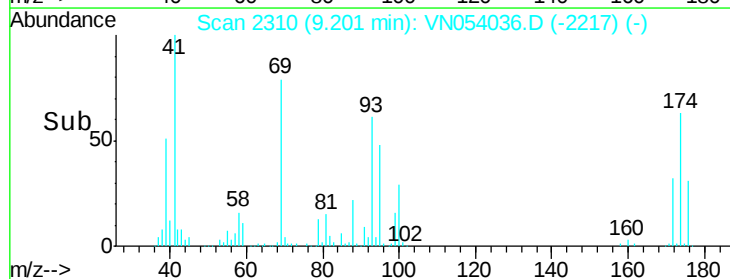
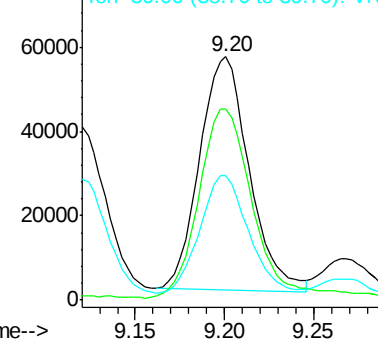
41 100

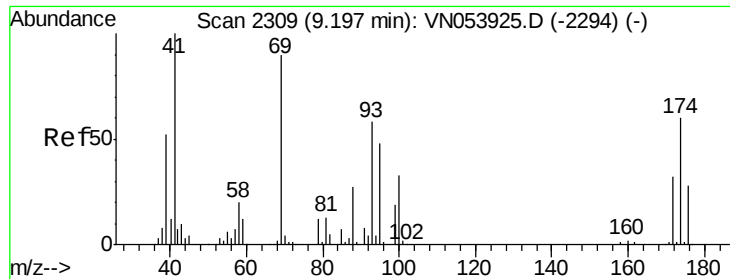
69 89.4 74.8 112.2

39 54.4 39.0 58.6



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: 376.131 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN054036.D

Acq: 1 Mar 2019 18:22

Instrument :

MSVOA_N

ClientSampleId :

VN0302WBSD01

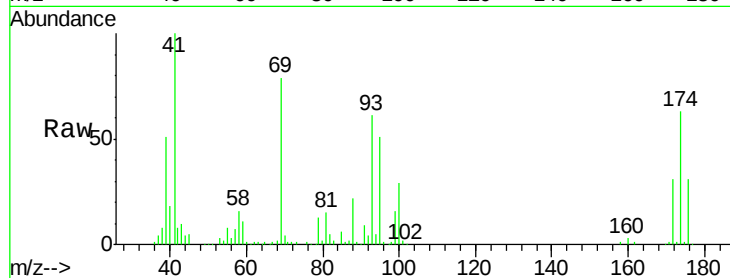
Tot Ion: 88 Resp: 27794

Ion Ratio Lower Upper

88 100

43 30.8 21.2 31.8

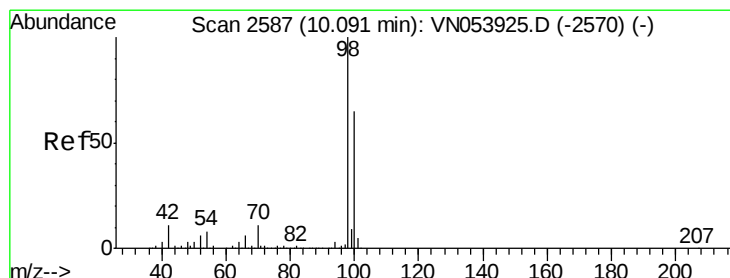
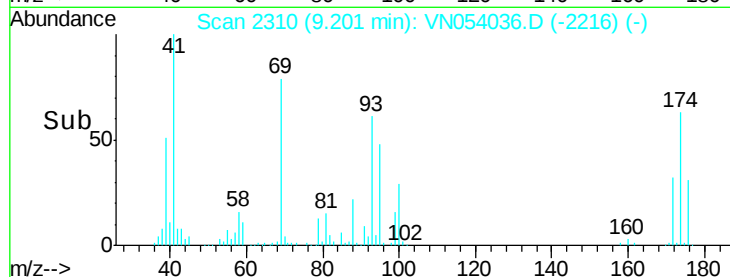
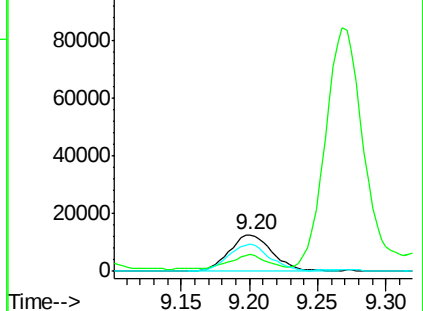
58 71.7 54.2 81.2



Abundance Ion 88.00 (87.70 to 88.70): VN054036.D (-2216) (-)

Ion 43.00 (42.70 to 43.70): VN054036.D (-2216) (-)

Ion 58.00 (57.70 to 58.70): VN054036.D (-2216) (-)



#50

Toluene-d8

Concen: 48.900 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054036.D

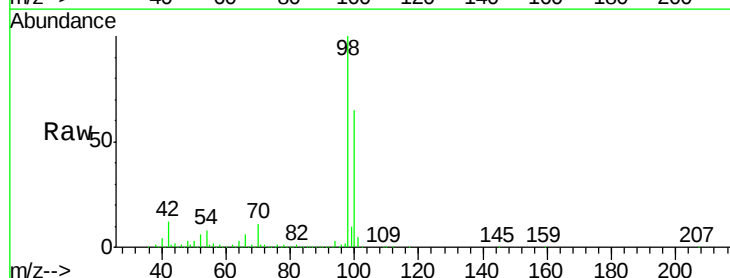
Acq: 1 Mar 2019 18:22

Tgt Ion: 98 Resp: 1245322

Ion Ratio Lower Upper

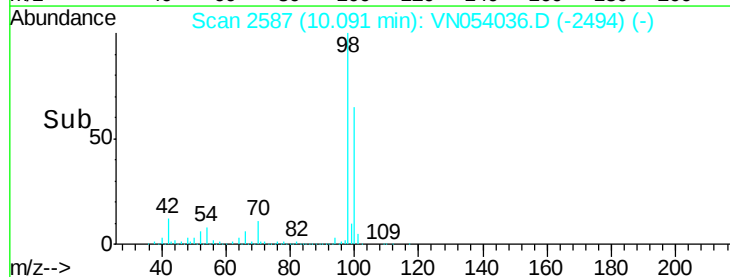
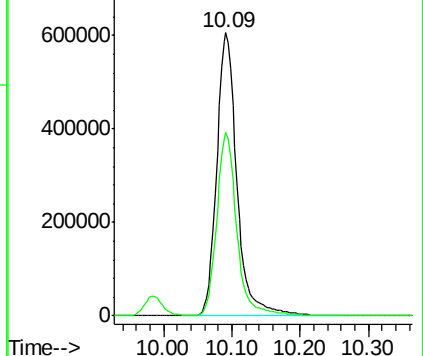
98 100

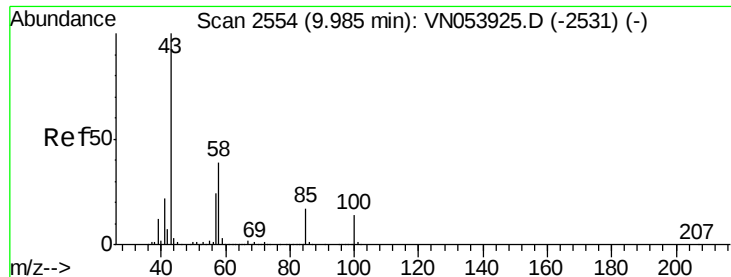
100 64.2 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN054036.D (-2494) (-)

Ion 100.00 (99.70 to 100.70): VN054036.D (-2494) (-)





#51

4-Methyl-2-Pentanone

Concen: 102.918 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN054036.D

Acq: 1 Mar 2019 18:22

Instrument :

MSVOA_N

ClientSampled :

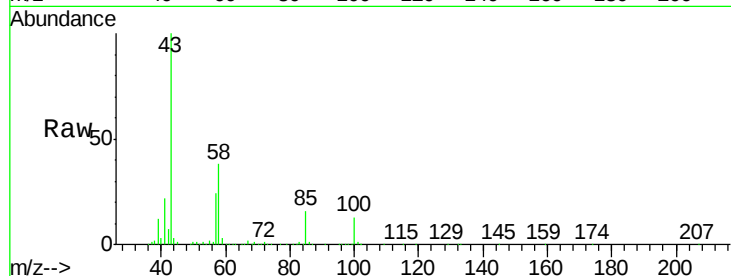
VN0302WBSD01

Tot Ion: 43 Resp: 627292

Ion Ratio Lower Upper

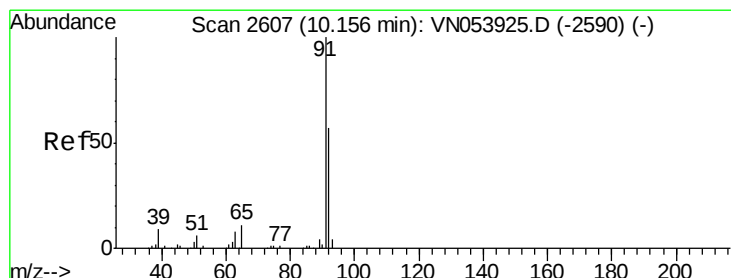
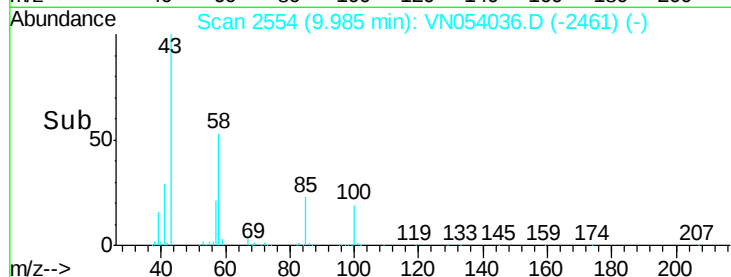
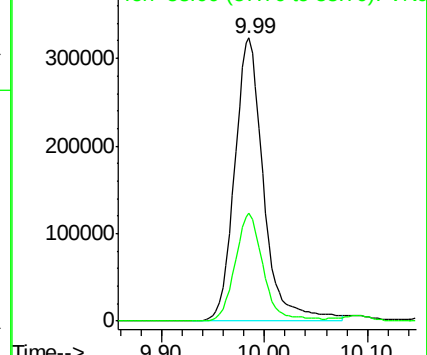
43 100

58 37.4 32.7 49.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 19.581 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN054036.D

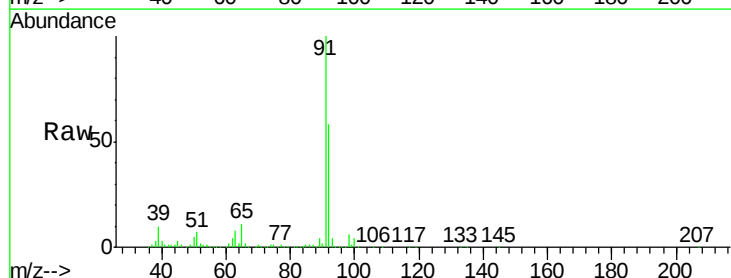
Acq: 1 Mar 2019 18:22

Tgt Ion: 92 Resp: 348473

Ion Ratio Lower Upper

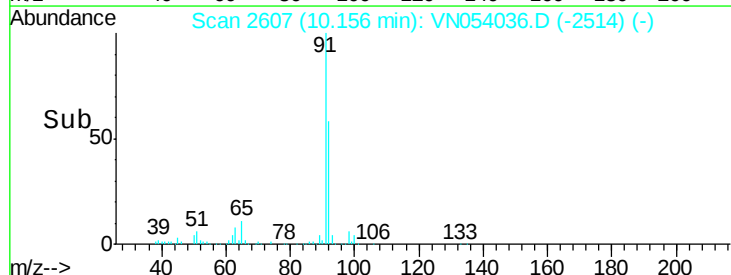
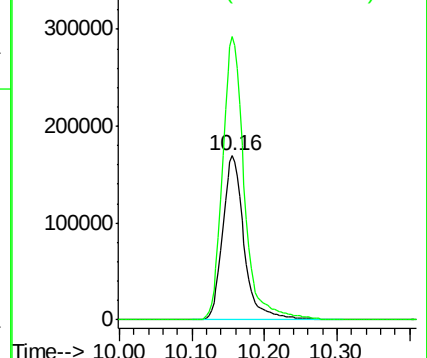
92 100

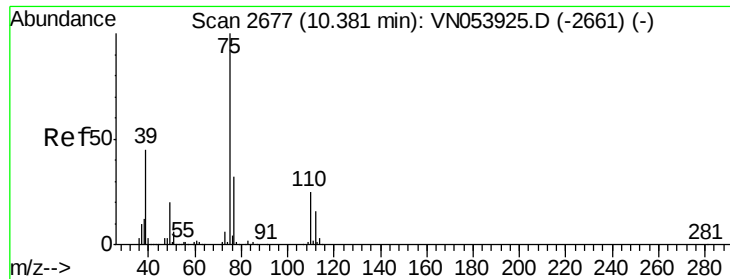
91 173.9 138.4 207.6



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: 18.934 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN054036.D

Acq: 1 Mar 2019 18:22

Instrument :

MSVOA_N

ClientSampled :

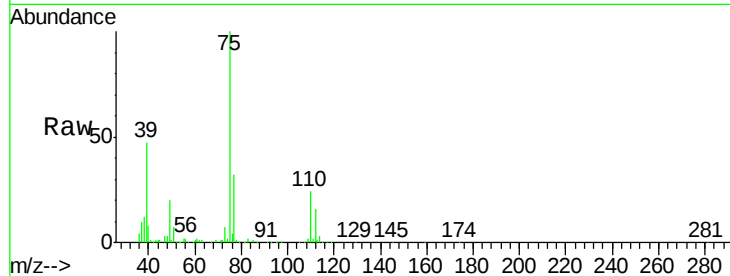
VN0302WBSD01

Tot Ion: 75 Resp: 183796

Ion Ratio Lower Upper

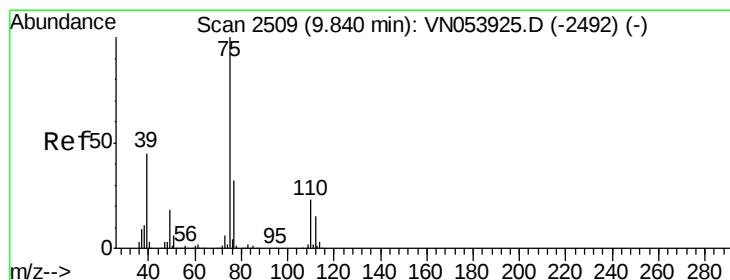
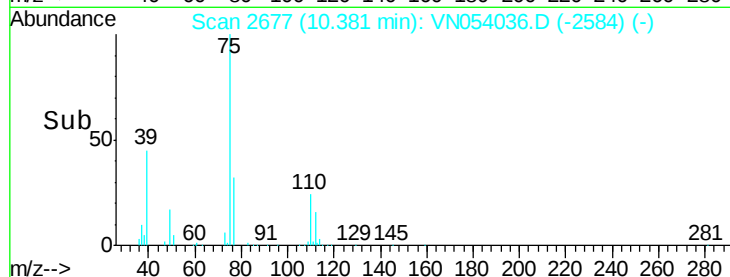
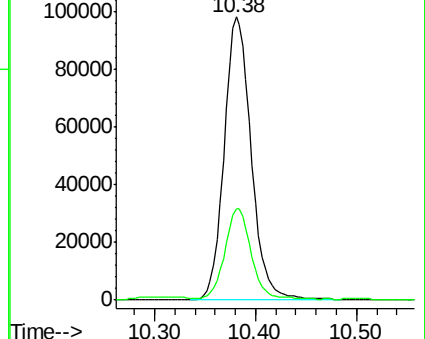
75 100

77 32.0 25.0 37.6



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 19.395 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. -0.00 min

Lab File: VN054036.D

Acq: 1 Mar 2019 18:22

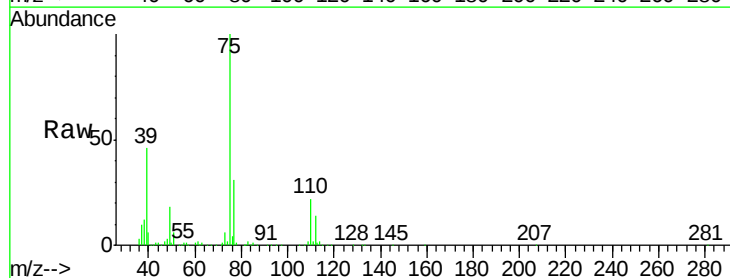
Tgt Ion: 75 Resp: 221951

Ion Ratio Lower Upper

75 100

77 30.7 25.8 38.6

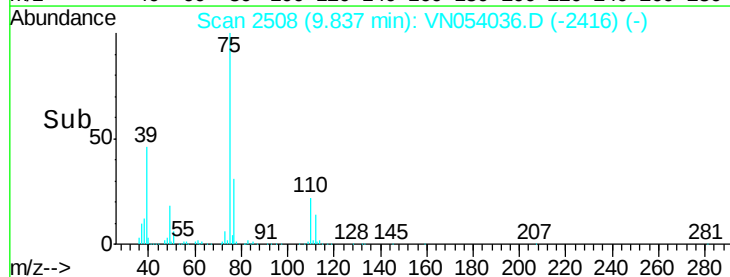
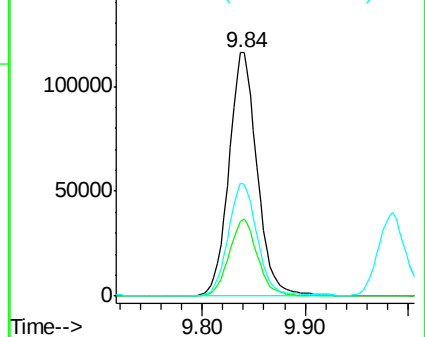
39 46.1 31.4 47.0

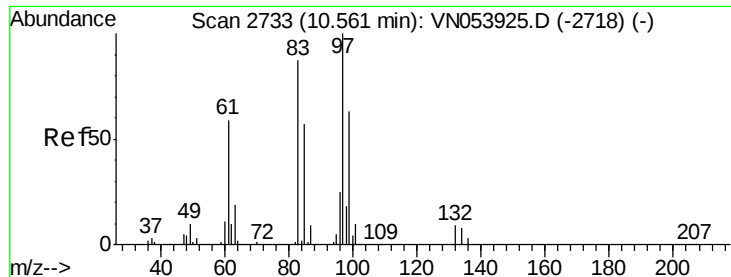


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 19.205 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN054036.D

Acq: 1 Mar 2019 18:22

Instrument :

MSVOA_N

ClientSampled :

VN0302WBSD01

Tot Ion: 97 Resp: 127644

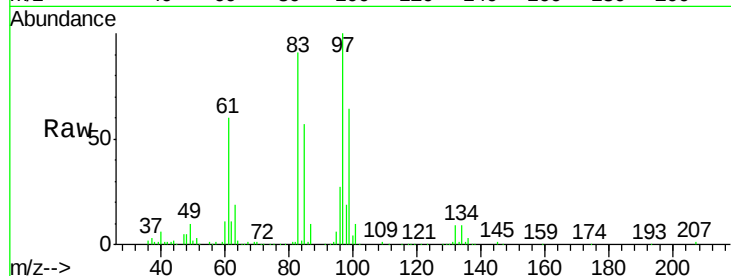
Ion Ratio Lower Upper

97 100

83 90.8 69.5 104.3

85 57.5 45.9 68.9

99 64.1 49.1 73.7

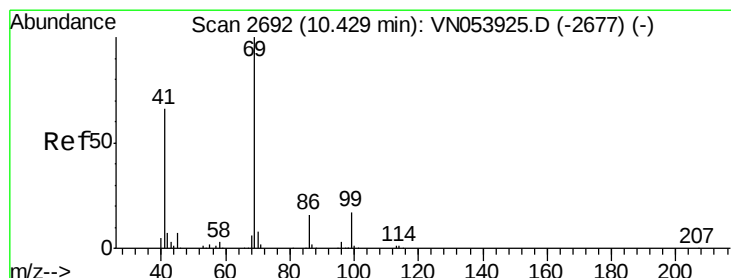
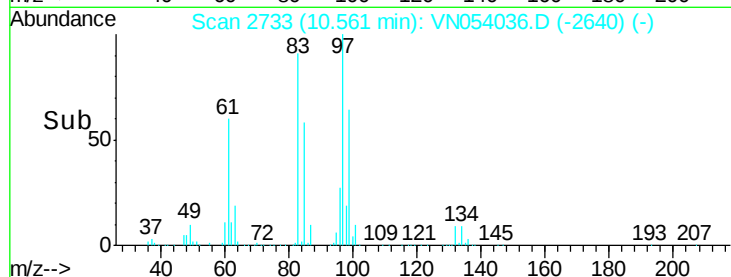
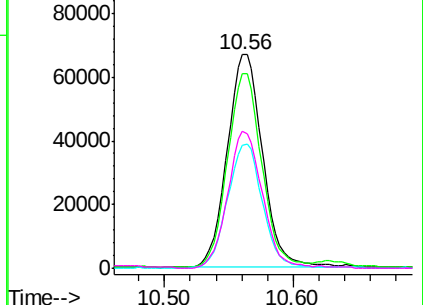


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 19.038 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN054036.D

Acq: 1 Mar 2019 18:22

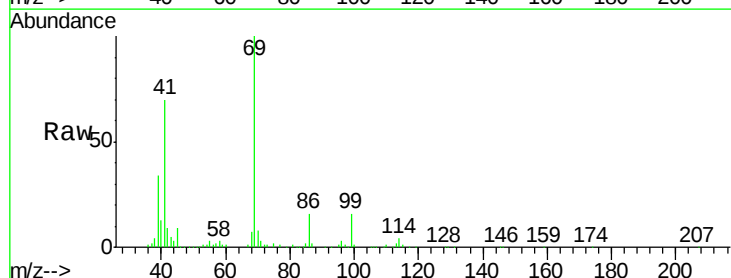
Tgt Ion: 69 Resp: 154934

Ion Ratio Lower Upper

69 100

41 69.1 47.5 71.3

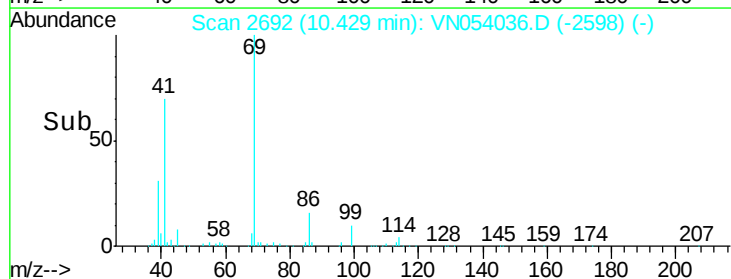
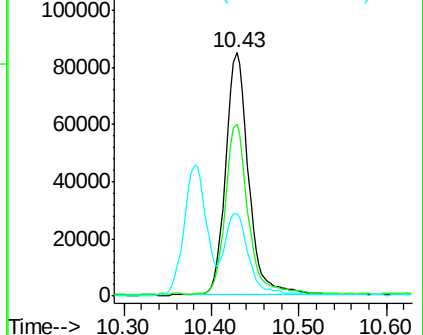
39 33.6 23.4 35.0

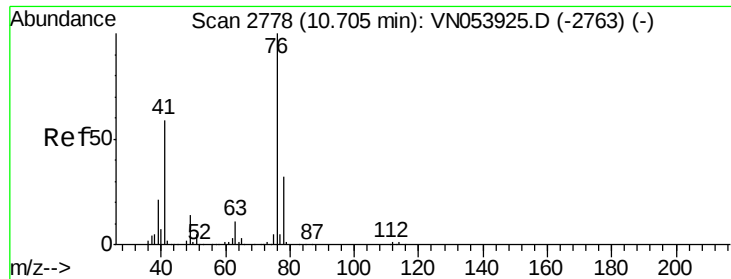


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 19.768 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN054036.D

Acq: 1 Mar 2019 18:22

Instrument :

MSVOA_N

ClientSampled :

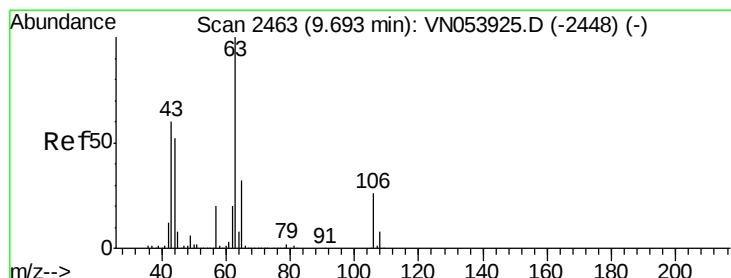
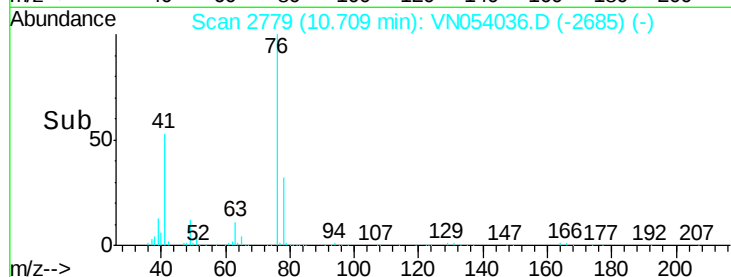
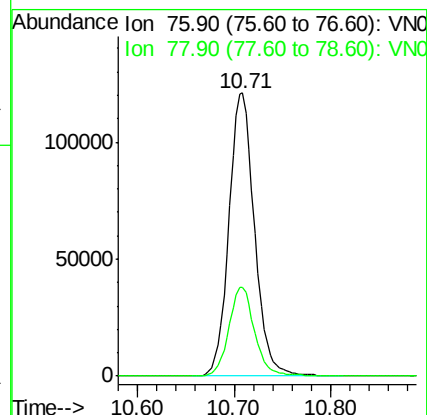
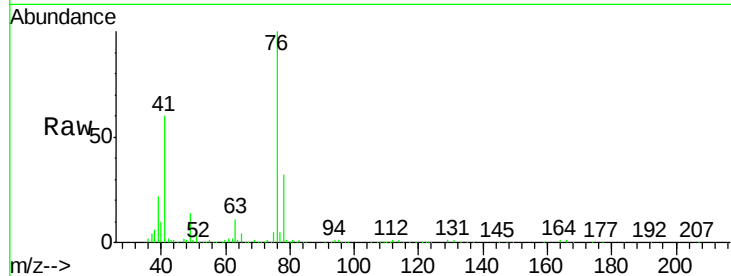
VN0302WBSD01

Tot Ion: 76 Resp: 221989

Ion Ratio Lower Upper

76 100

78 31.5 25.2 37.8



#58

2-Chloroethyl Vinyl ether

Concen: 95.782 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN054036.D

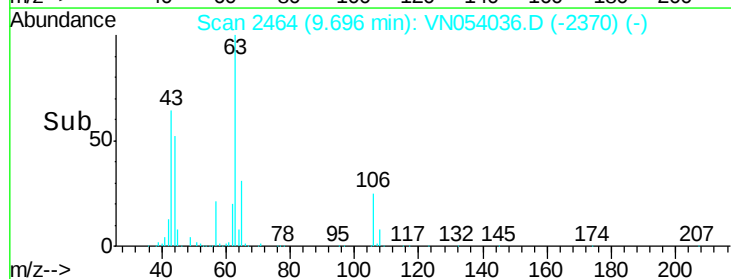
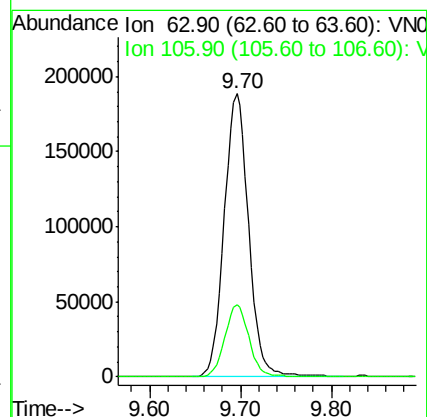
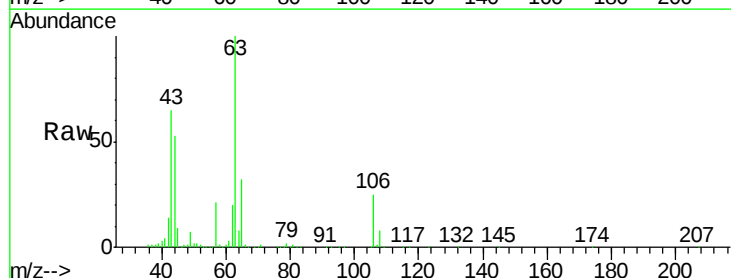
Acq: 1 Mar 2019 18:22

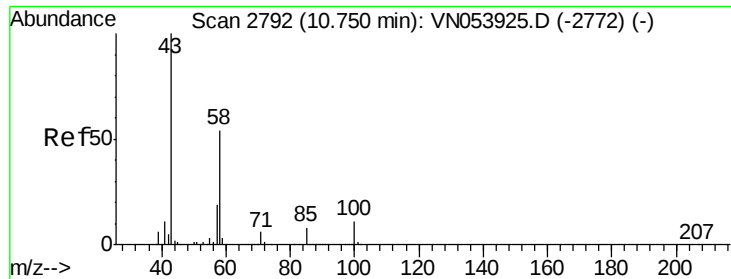
Tgt Ion: 63 Resp: 352571

Ion Ratio Lower Upper

63 100

106 25.1 22.2 33.2

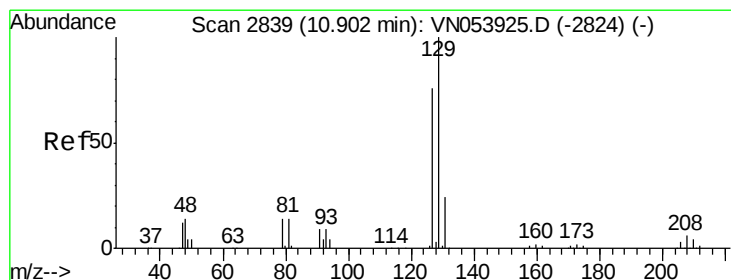
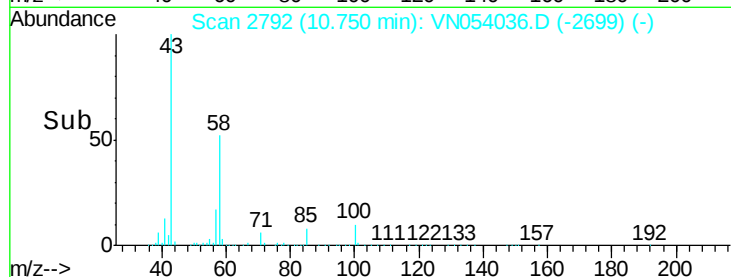
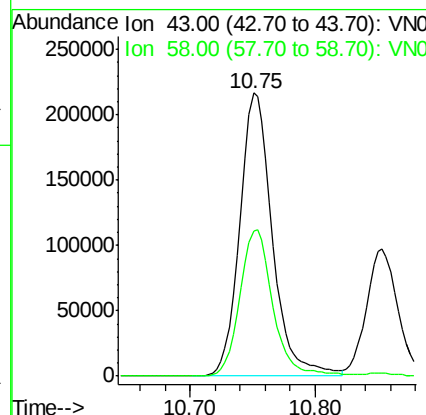
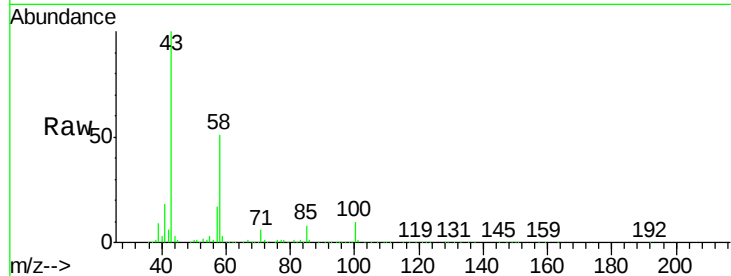




#59
2-Hexanone
Concen: 97.943 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN054036.D
Acq: 1 Mar 2019 18:22

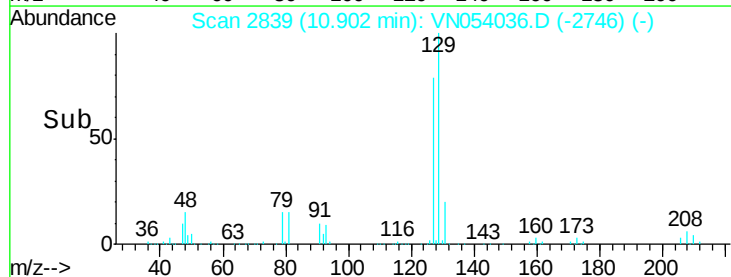
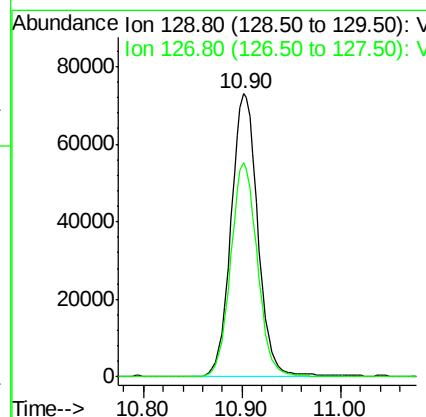
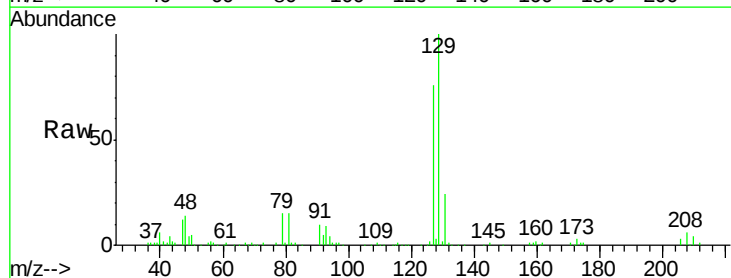
Instrument :
MSVOA_N
ClientSampleId :
VN0302WBSD01

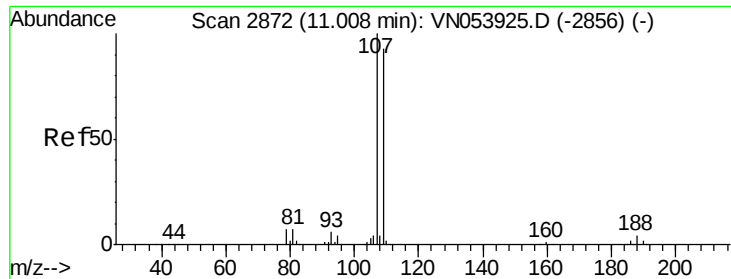
Tot Ion: 43 Resp: 388255
Ion Ratio Lower Upper
43 100
58 53.0 29.1 87.4



#60
Dibromochloromethane
Concen: 18.536 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN054036.D
Acq: 1 Mar 2019 18:22

Tgt Ion: 129 Resp: 136915
Ion Ratio Lower Upper
129 100
127 76.0 38.8 116.3





#61

1,2-Dibromoethane

Concen: 18.805 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN054036.D

Acq: 1 Mar 2019 18:22

Instrument :

MSVOA_N

ClientSampleId :

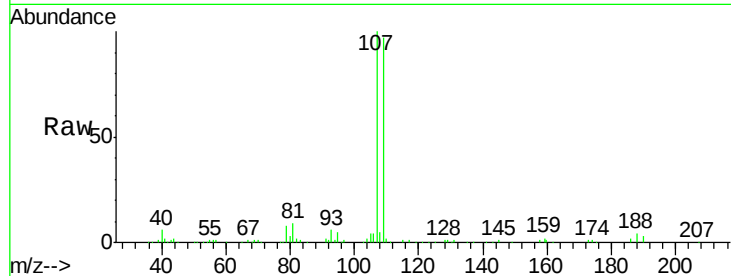
VN0302WBSD01

Tot Ion:107 Resp: 120565

Ion Ratio Lower Upper

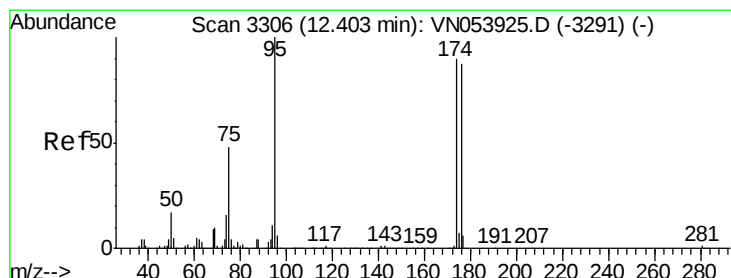
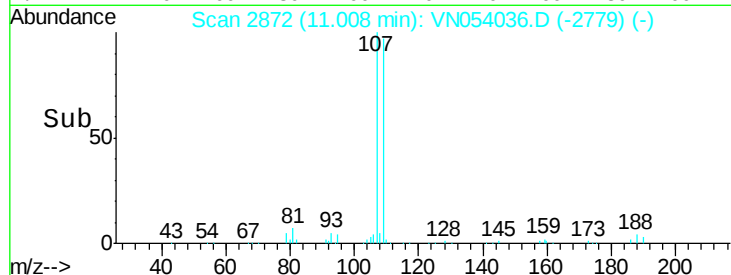
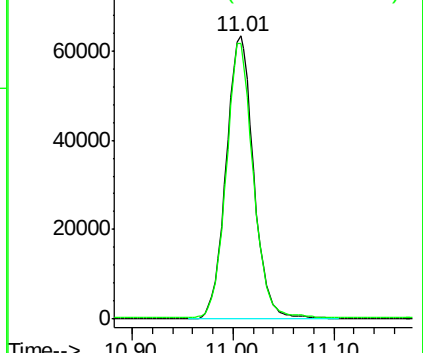
107 100

109 94.7 76.3 114.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 48.294 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN054036.D

Acq: 1 Mar 2019 18:22

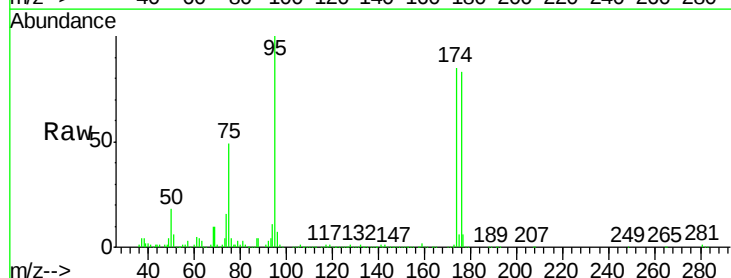
Tgt Ion: 95 Resp: 409766

Ion Ratio Lower Upper

95 100

174 86.8 0.0 188.8

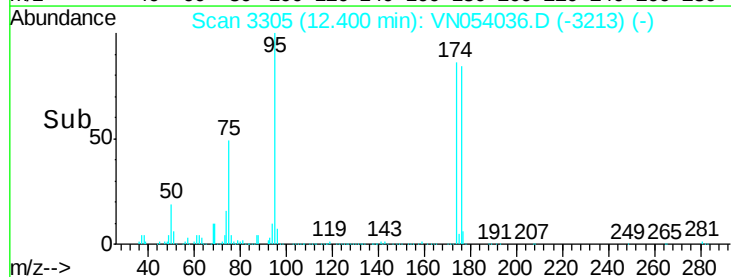
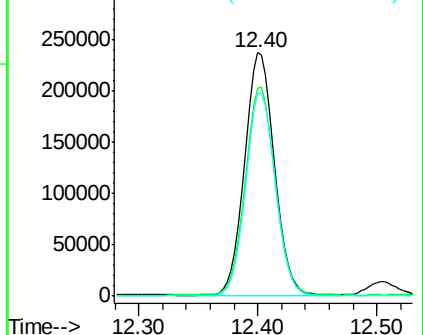
176 83.9 0.0 182.6

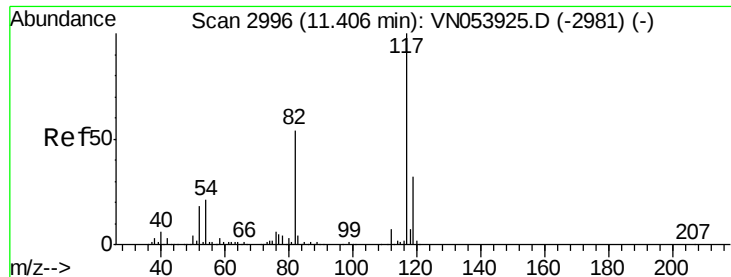


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

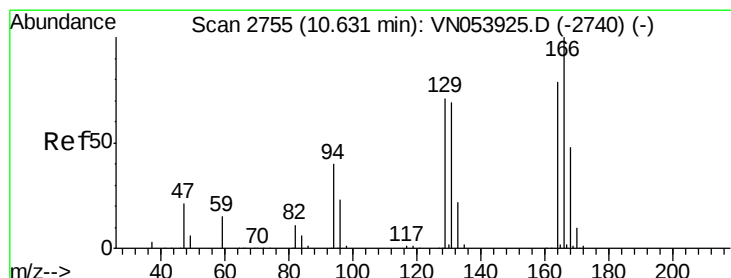
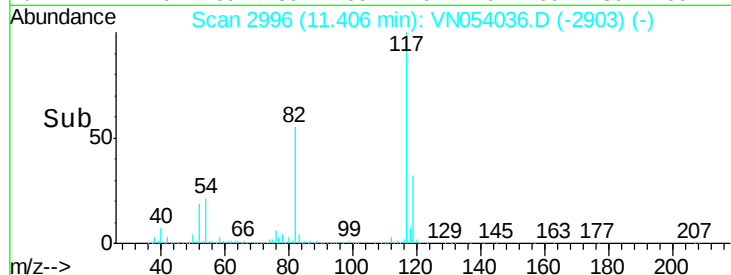
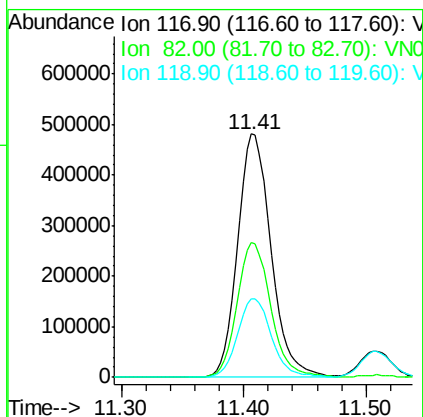
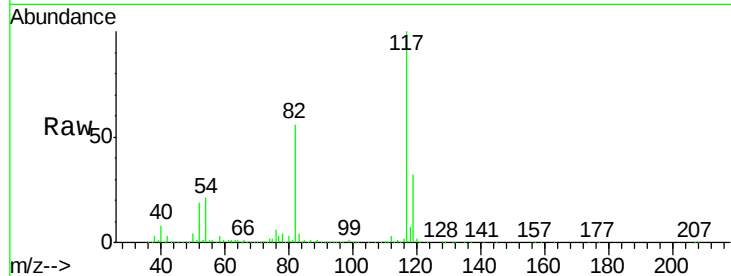




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054036.D
Acq: 1 Mar 2019 18:22

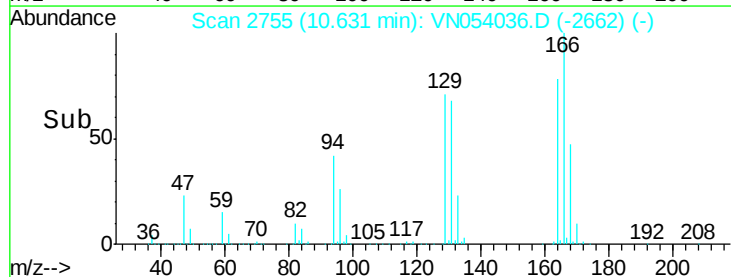
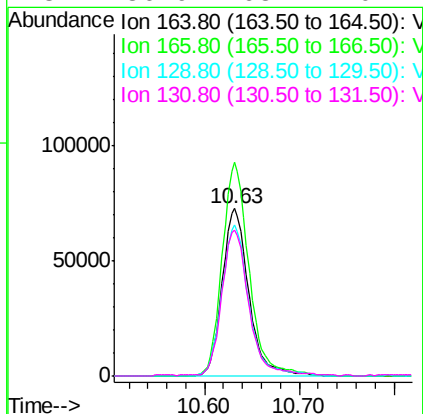
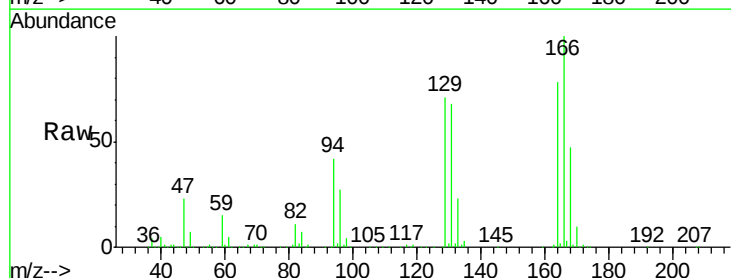
Instrument :
MSVOA_N
ClientSampleId :
VN0302WBSD01

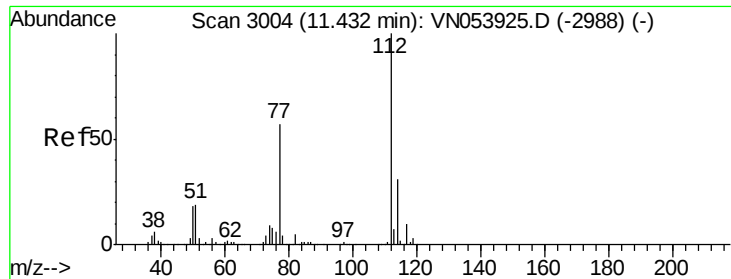
Tot Ion:117 Resp: 910547
Ion Ratio Lower Upper
117 100
82 55.5 41.4 62.2
119 32.2 25.3 37.9



#64
Tetrachloroethene
Concen: 18.447 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN054036.D
Acq: 1 Mar 2019 18:22

Tgt Ion:164 Resp: 142233
Ion Ratio Lower Upper
164 100
166 127.8 102.6 153.8
129 90.4 69.4 104.0
131 86.9 68.1 102.1

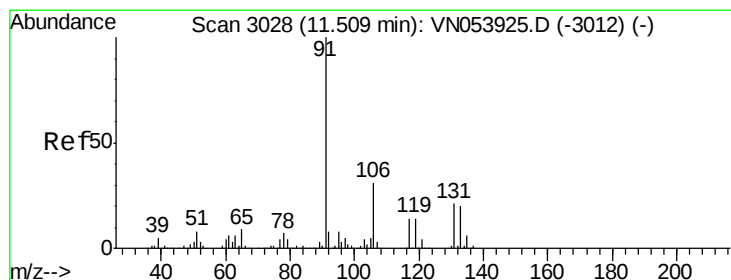
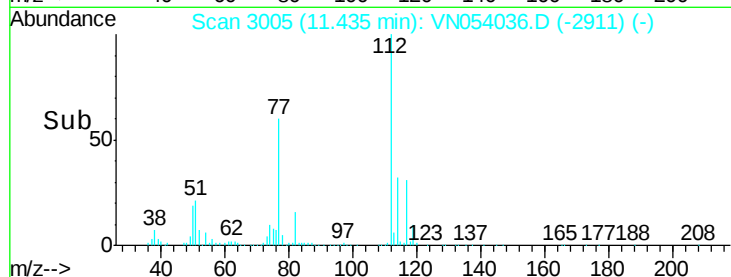
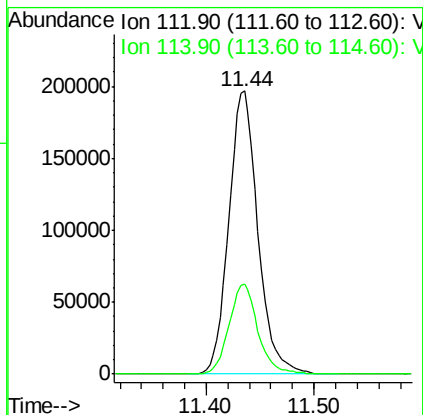
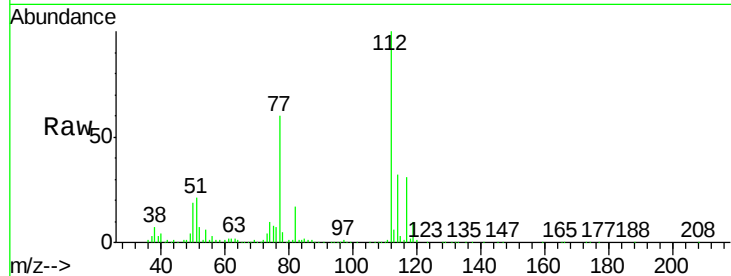




#65
Chlorobenzene
Concen: 19.262 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN054036.D
Acq: 1 Mar 2019 18:22

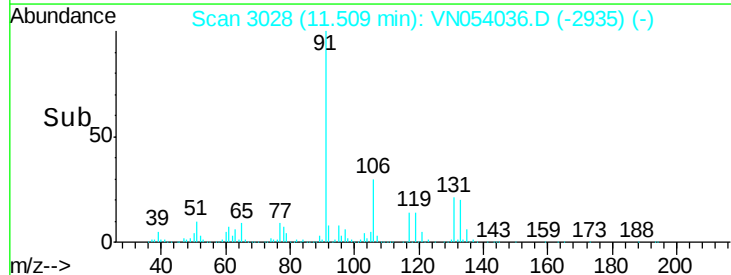
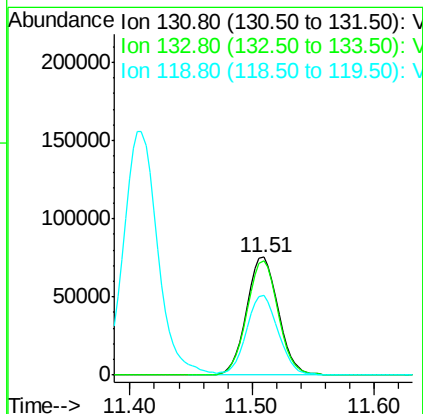
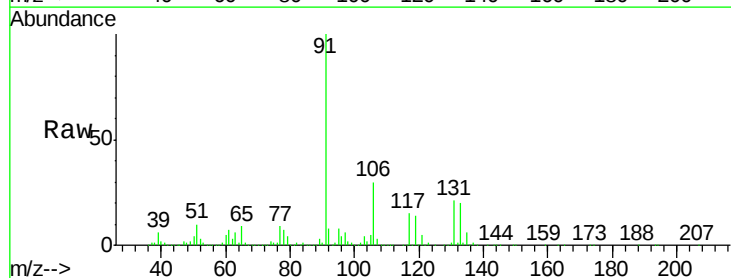
Instrument :
MSVOA_N
ClientSampleId :
VN0302WBSD01

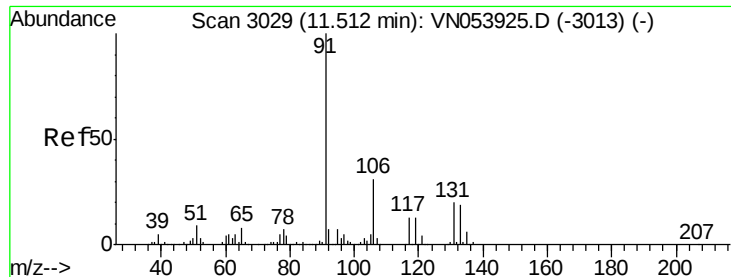
Tot Ion:112 Resp: 370161
Ion Ratio Lower Upper
112 100
114 31.9 25.7 38.5



#66
1,1,1,2-Tetrachloroethane
Concen: 19.360 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN054036.D
Acq: 1 Mar 2019 18:22

Tgt Ion:131 Resp: 134083
Ion Ratio Lower Upper
131 100
133 95.3 47.7 143.1
119 67.3 33.1 99.3

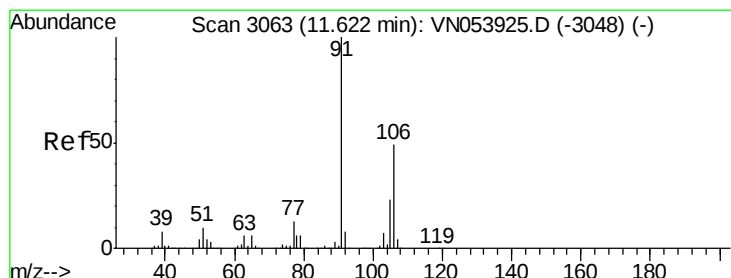
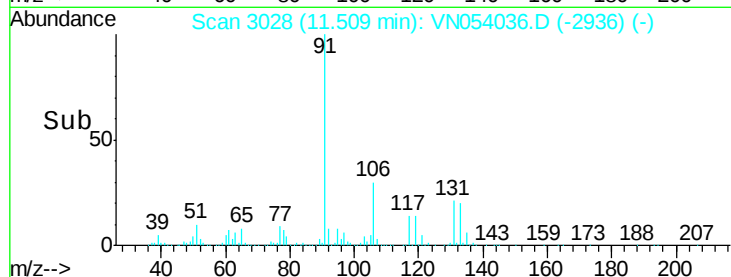
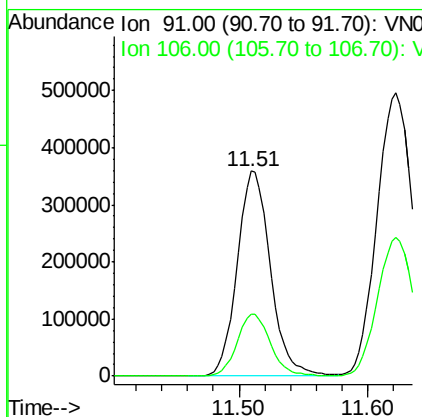
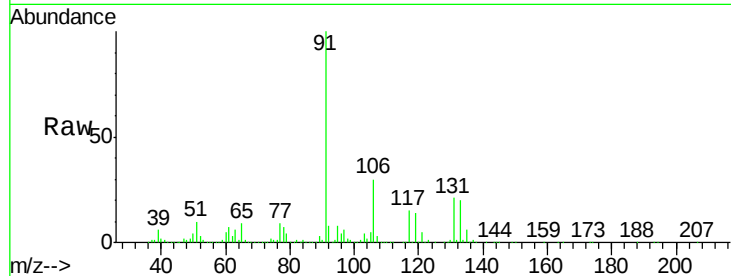




#67
Ethyl Benzene
Concen: 19.960 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN054036.D
Acq: 1 Mar 2019 18:22

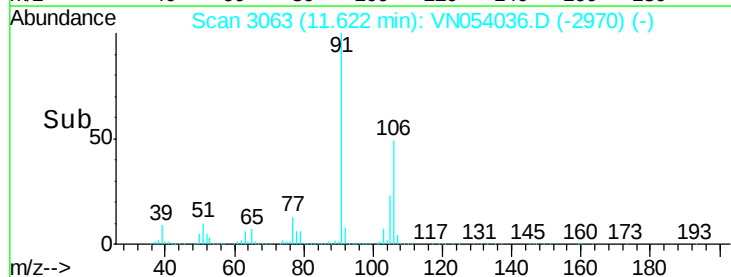
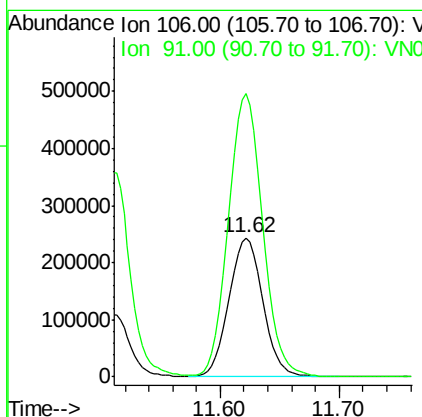
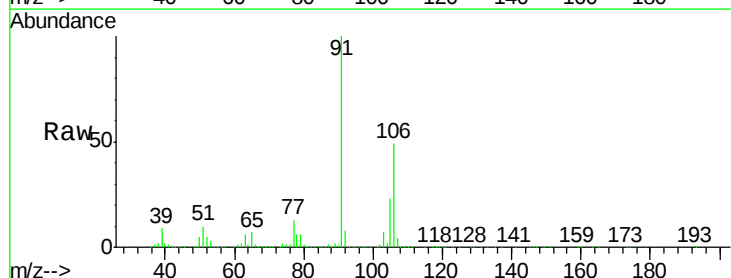
Instrument :
MSVOA_N
ClientSampled :
VN0302WBSD01

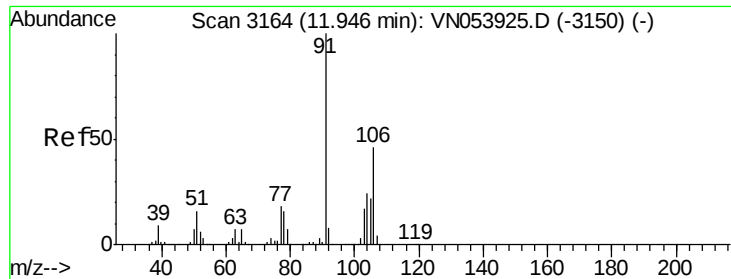
Tot Ion: 91 Resp: 643010
Ion Ratio Lower Upper
91 100
106 30.4 25.2 37.8



#68
m/p-Xylenes
Concen: 39.539 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN054036.D
Acq: 1 Mar 2019 18:22

Tgt Ion: 106 Resp: 480748
Ion Ratio Lower Upper
106 100
91 205.3 158.9 238.3

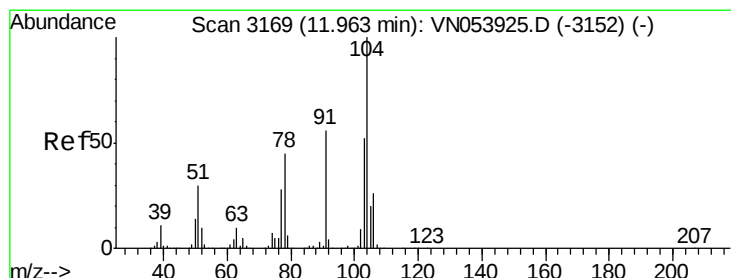
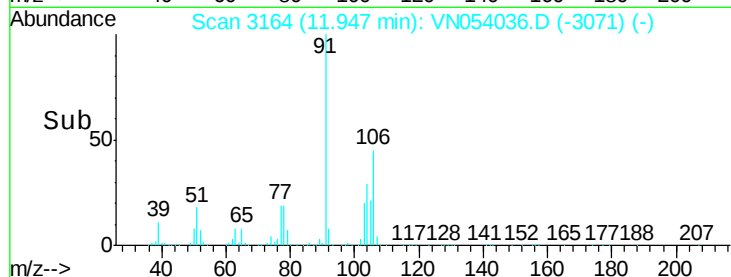
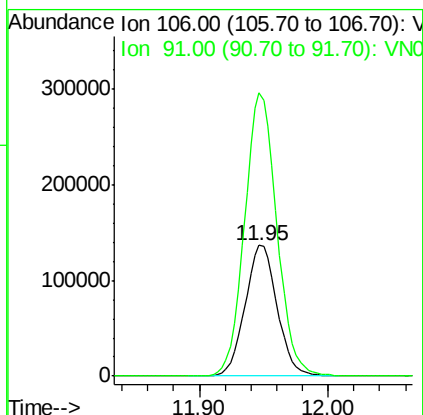
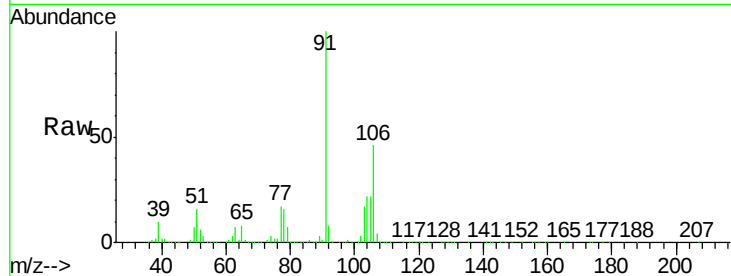




#69
o-Xylene
Concen: 19.742 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054036.D
Acq: 1 Mar 2019 18:22

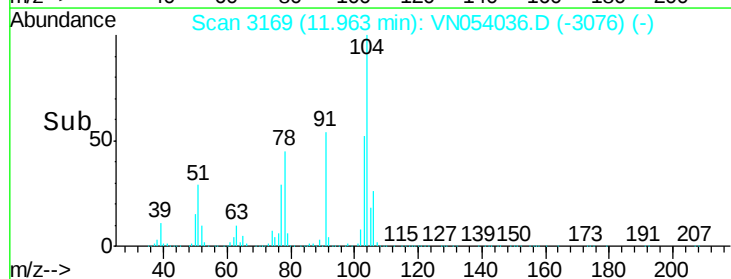
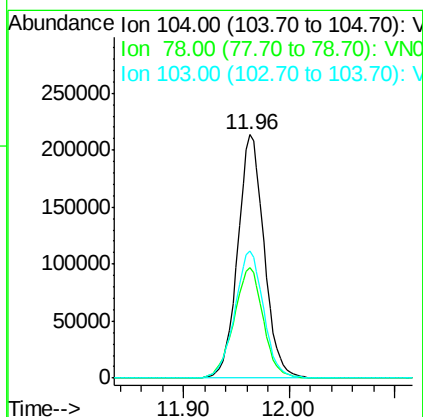
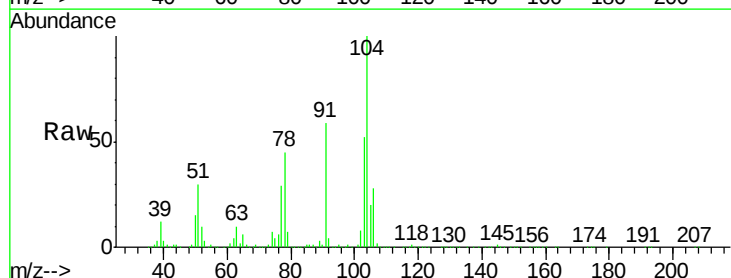
Instrument :
MSVOA_N
ClientSampleId :
VN0302WBSD01

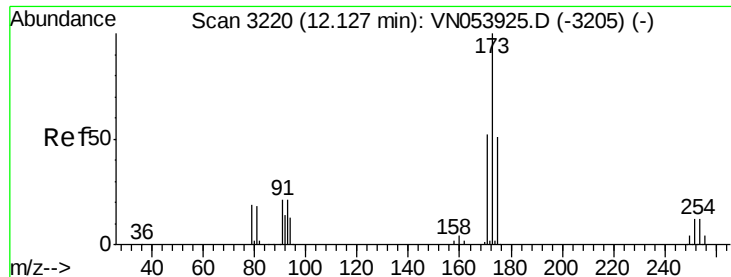
Tot Ion:106 Resp: 235855
Ion Ratio Lower Upper
106 100
91 216.9 106.0 318.0



#70
Styrene
Concen: 20.033 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN054036.D
Acq: 1 Mar 2019 18:22

Tgt Ion:104 Resp: 368129
Ion Ratio Lower Upper
104 100
78 50.7 38.1 57.1
103 57.2 44.6 67.0

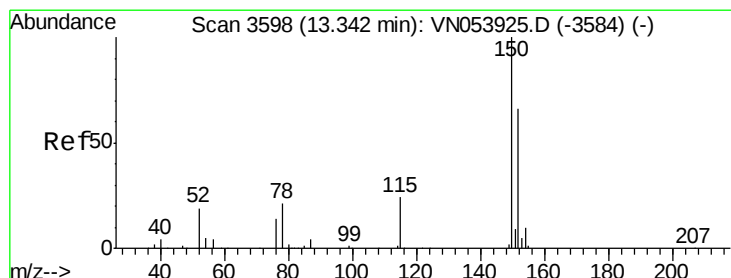
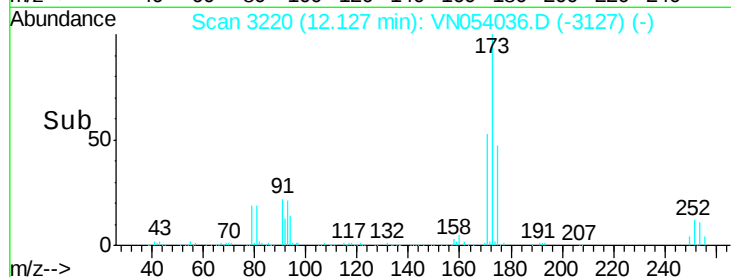
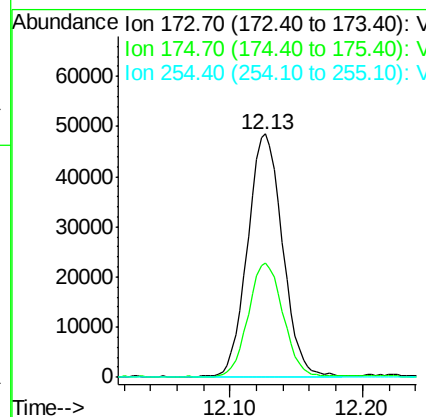
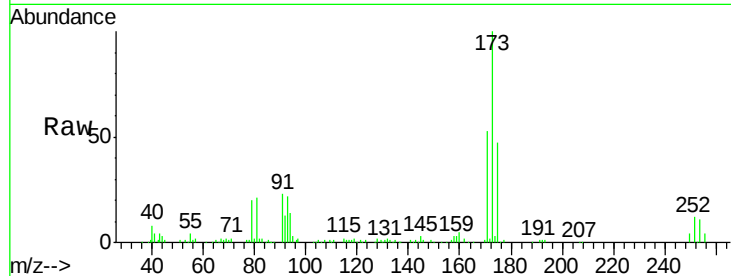




#71
Bromoform
Concen: 18.541 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN054036.D
Acq: 1 Mar 2019 18:22

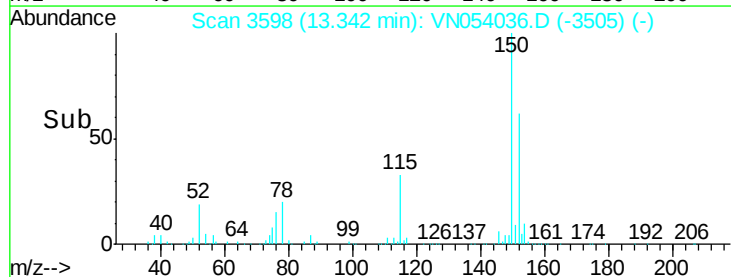
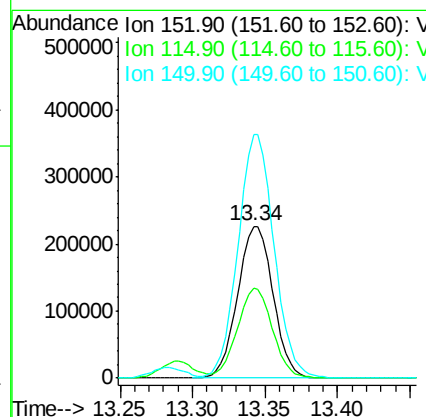
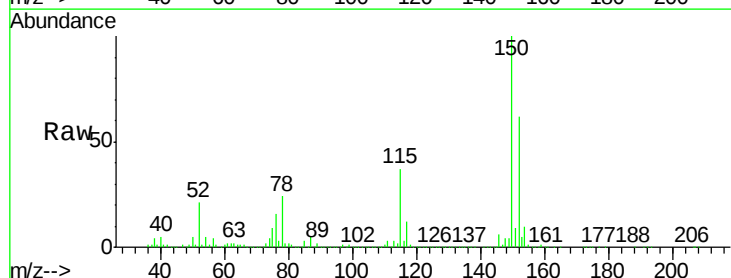
Instrument :
MSVOA_N
ClientSampleId :
VN0302WBSD01

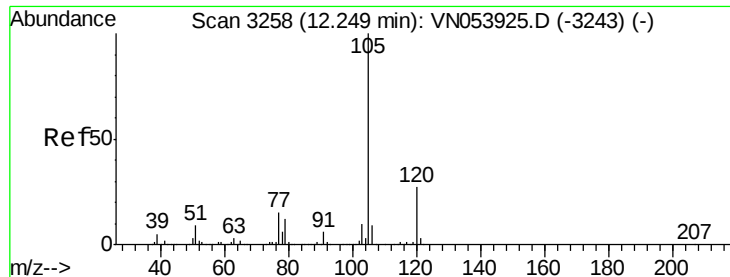
Tot Ion:173 Resp: 89333
Ion Ratio Lower Upper
173 100
175 45.9 24.3 72.8
254 0.0 0.2 0.2#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN054036.D
Acq: 1 Mar 2019 18:22

Tgt Ion:152 Resp: 381547
Ion Ratio Lower Upper
152 100
115 58.2 27.2 81.6
150 163.9 0.0 348.2





#73

Isopropylbenzene

Concen: 21.099 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054036.D

Acq: 1 Mar 2019 18:22

Instrument :

MSVOA_N

ClientSampleId :

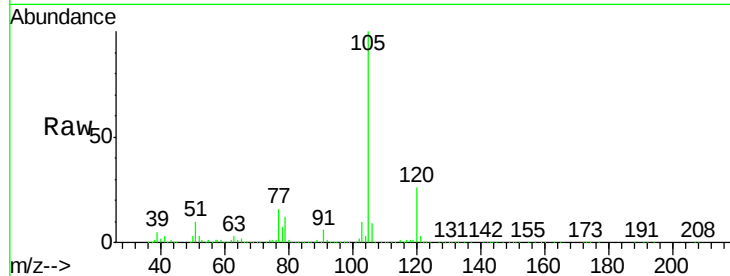
VN0302WBSD01

Tot Ion:105 Resp: 626658

Ion Ratio Lower Upper

105 100

120 26.5 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

400000

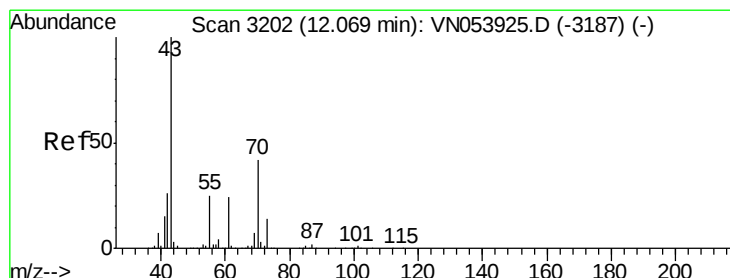
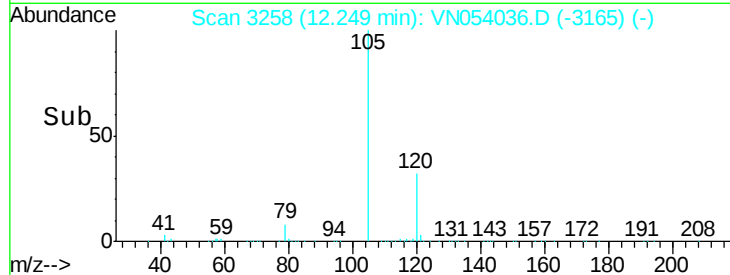
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 21.772 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN054036.D

Acq: 1 Mar 2019 18:22

Tgt Ion: 43 Resp: 169485

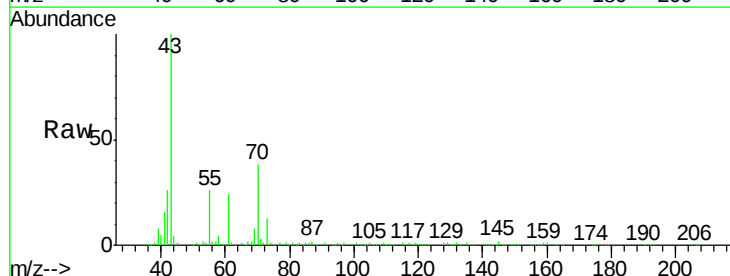
Ion Ratio Lower Upper

43 100

70 38.6 37.4 56.2

55 25.5 21.4 32.0

61 23.4 20.9 31.3



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

12.07

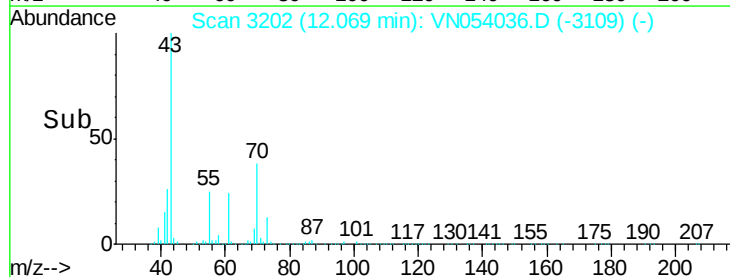
150000

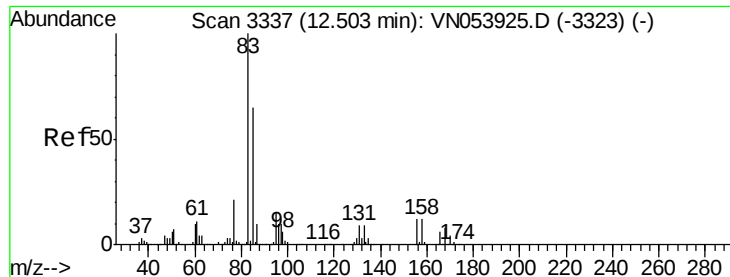
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.323 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN054036.D

Acq: 1 Mar 2019 18:22

Instrument :

MSVOA_N

ClientSampleId :

VN0302WBSD01

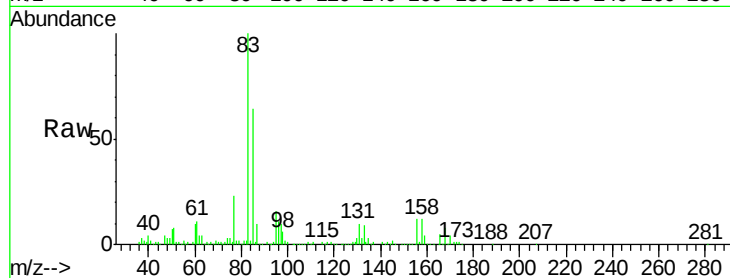
Tot Ion: 83 Resp: 150946

Ion Ratio Lower Upper

83 100

131 10.3 5.3 16.1

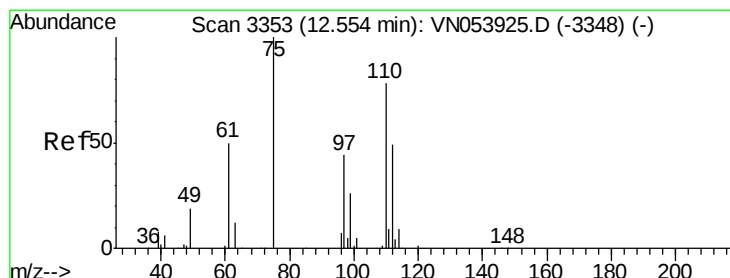
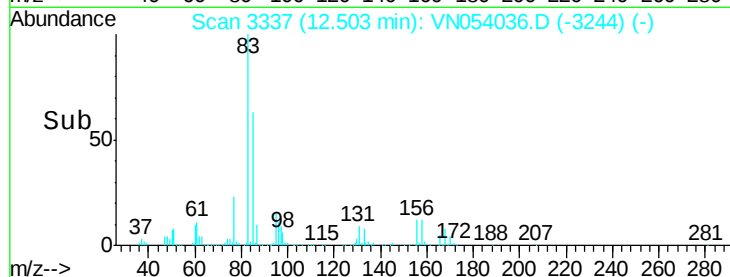
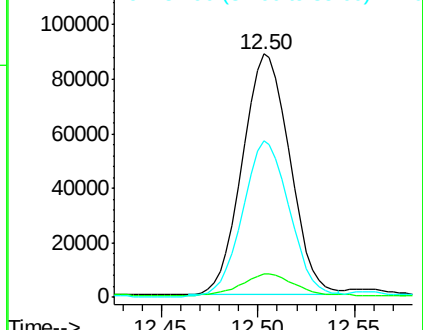
85 64.3 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 29.985 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN054036.D

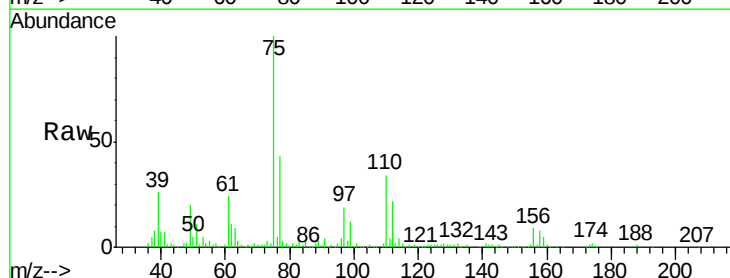
Acq: 1 Mar 2019 18:22

Tgt Ion: 75 Resp: 183526

Ion Ratio Lower Upper

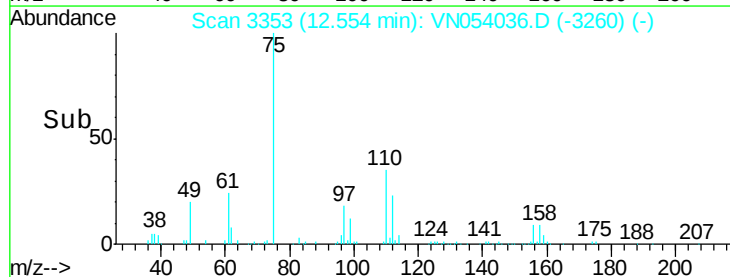
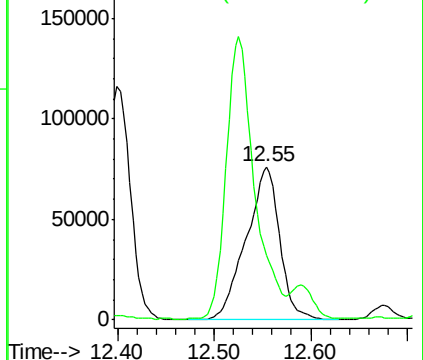
75 100

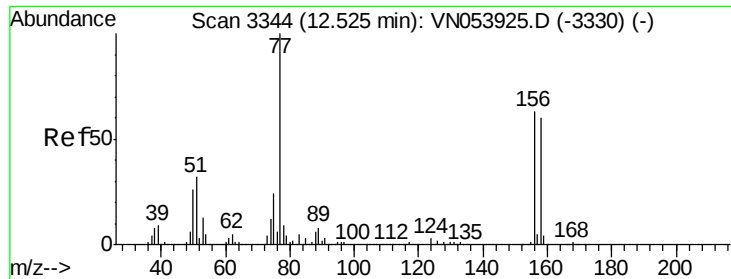
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 20.283 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN054036.D

Acq: 1 Mar 2019 18:22

Instrument :

MSVOA_N

ClientSampled :

VN0302WBSD01

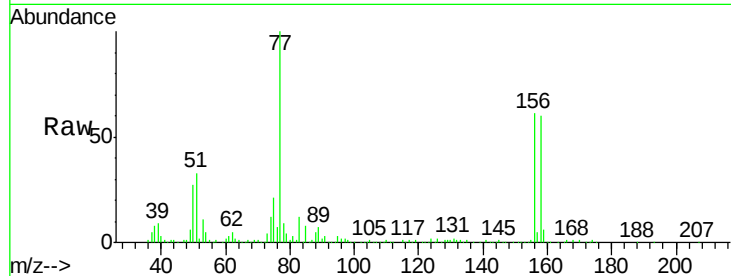
Tot Ion:156 Resp: 152949

Ion Ratio Lower Upper

156 100

77 186.8 84.0 252.2

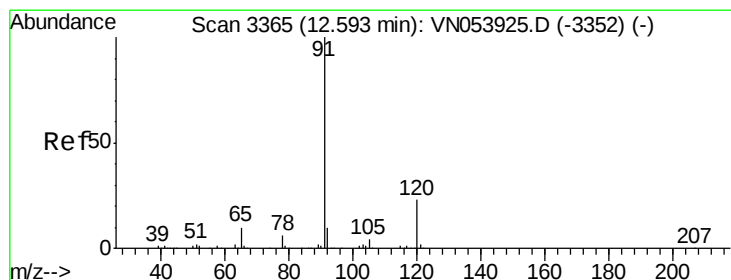
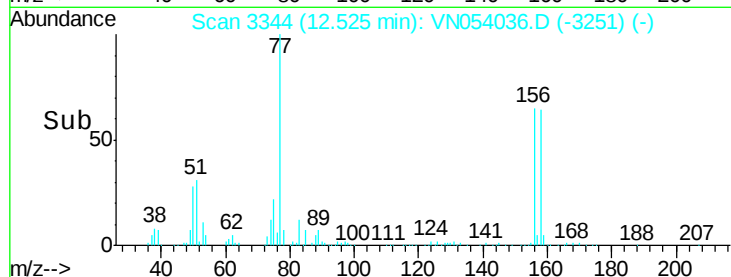
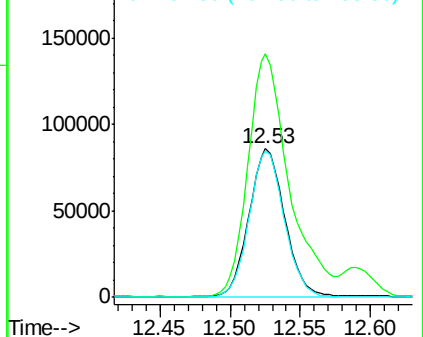
158 97.2 48.5 145.6



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: 20.919 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN054036.D

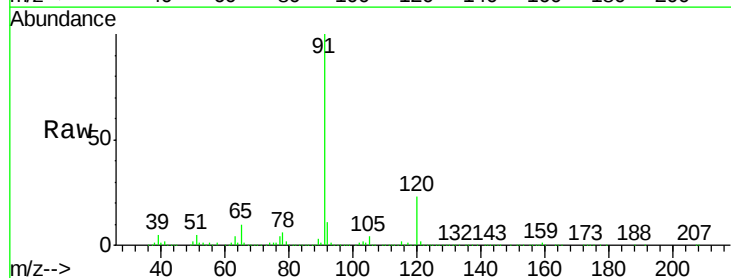
Acq: 1 Mar 2019 18:22

Tgt Ion: 91 Resp: 706602

Ion Ratio Lower Upper

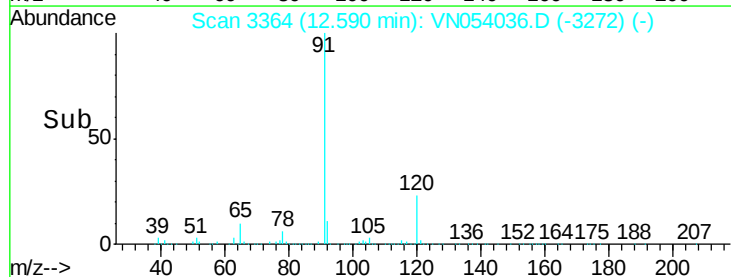
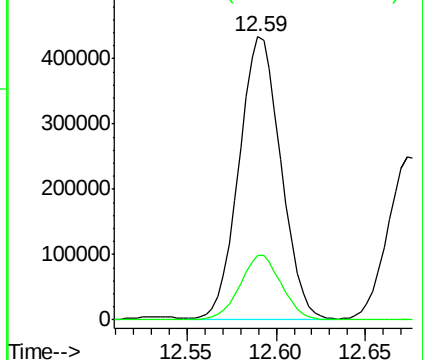
91 100

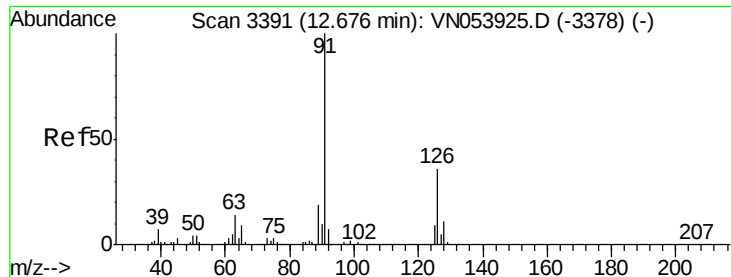
120 22.8 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.726 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN054036.D

Acq: 1 Mar 2019 18:22

Instrument :

MSVOA_N

ClientSampleId :

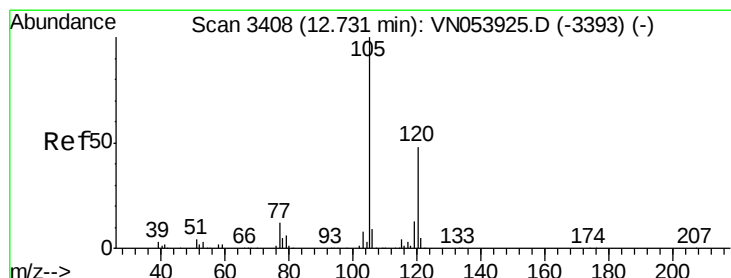
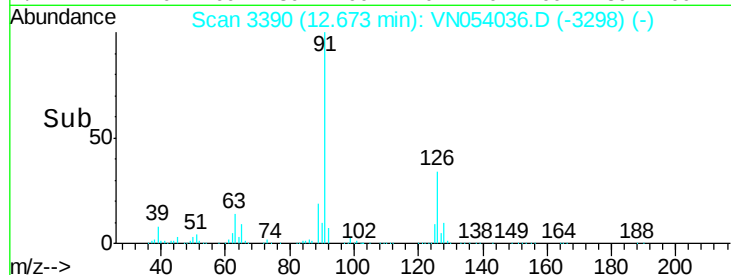
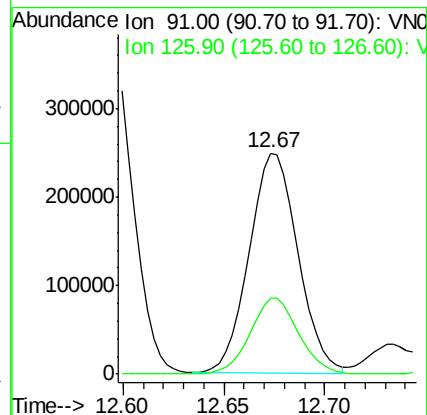
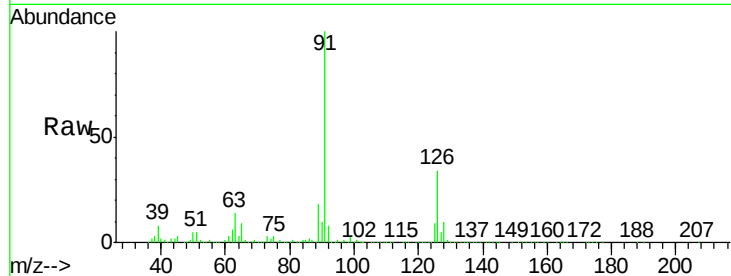
VN0302WBSD01

Tot Ion: 91 Resp: 420561

Ion Ratio Lower Upper

91 100

126 34.3 18.1 54.4



#80

1,3,5-Trimethylbenzene

Concen: 21.233 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN054036.D

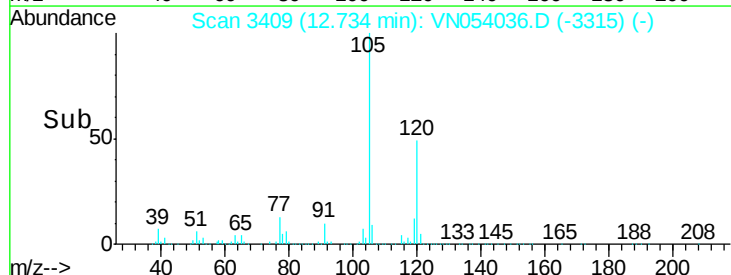
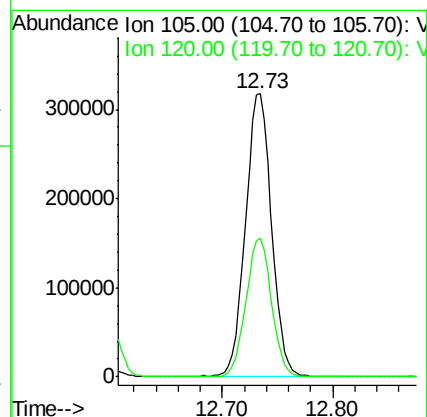
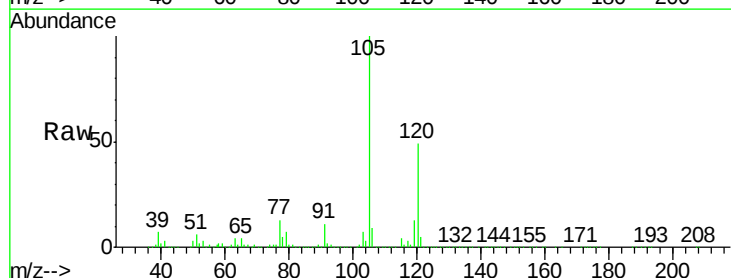
Acq: 1 Mar 2019 18:22

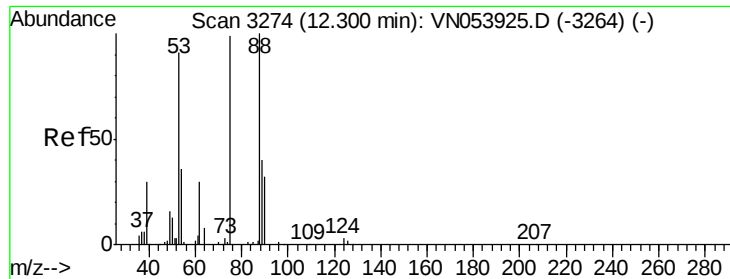
Tgt Ion: 105 Resp: 516274

Ion Ratio Lower Upper

105 100

120 48.1 25.1 75.2





#81

trans-1,4-Dichloro-2-butene

Concen: 19.044 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN054036.D

Acq: 1 Mar 2019 18:22

Instrument :

MSVOA_N

ClientSampleId :

VN0302WBSD01

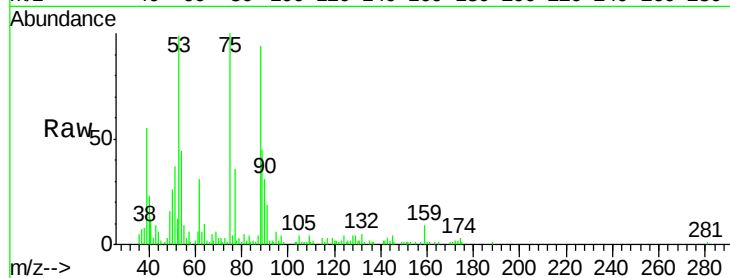
Tot Ion: 75 Resp: 36879

Ion Ratio Lower Upper

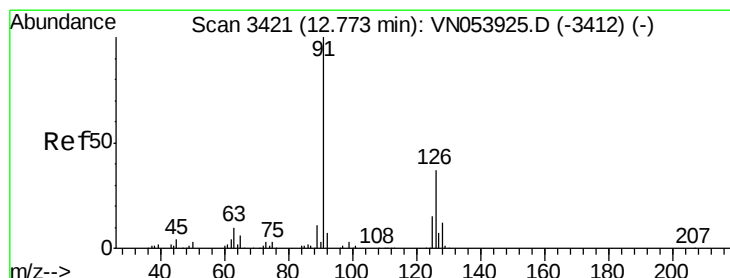
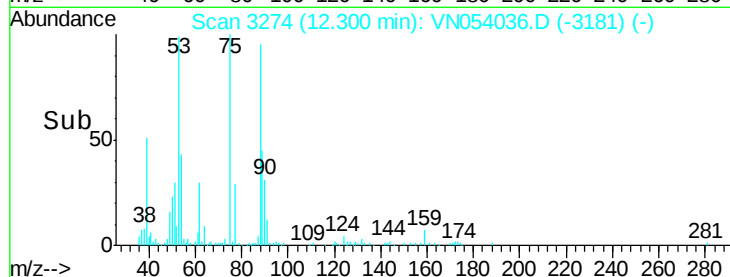
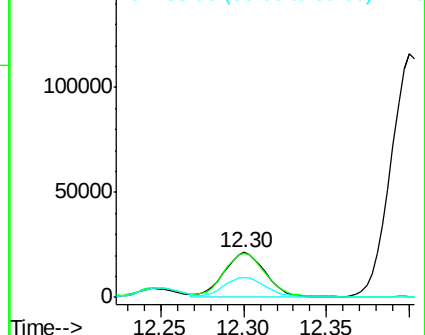
75 100

53 96.4 68.6 102.8

89 45.7 35.3 52.9



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 53.00 (52.70 to 53.70): VNO
Ion 88.90 (88.60 to 89.60): VNO



#82

4-Chlorotoluene

Concen: 20.573 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN054036.D

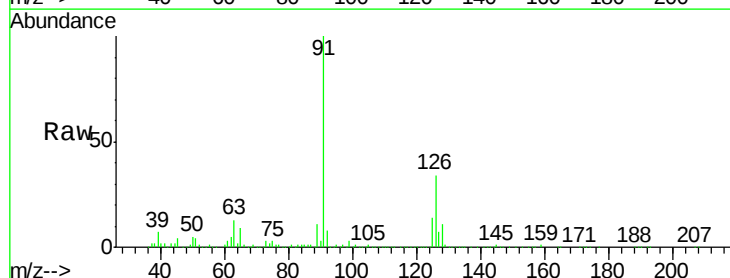
Acq: 1 Mar 2019 18:22

Tgt Ion: 91 Resp: 412575

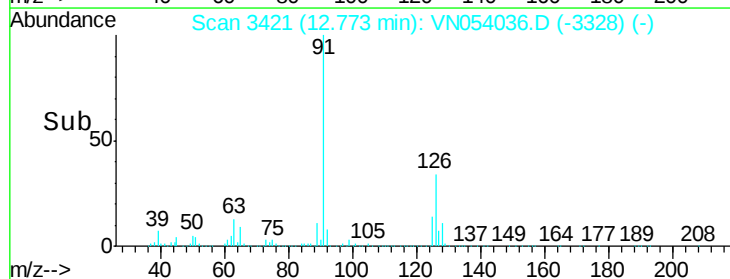
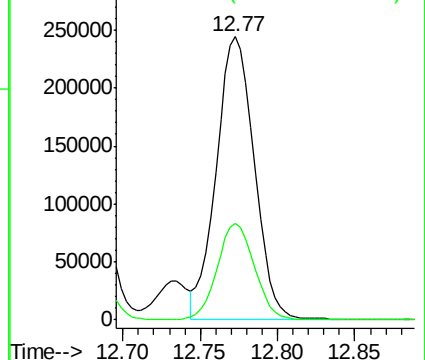
Ion Ratio Lower Upper

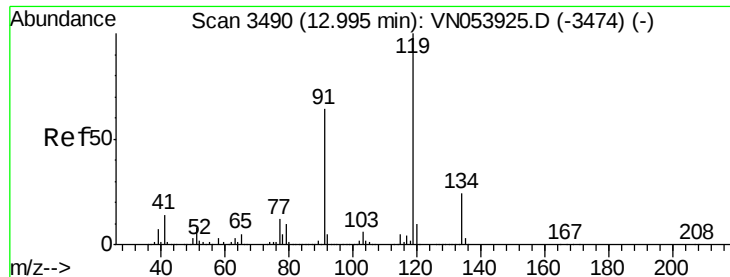
91 100

126 33.4 18.0 54.0



Abundance Ion 91.00 (90.70 to 91.70): VNO
Ion 125.90 (125.60 to 126.60): V

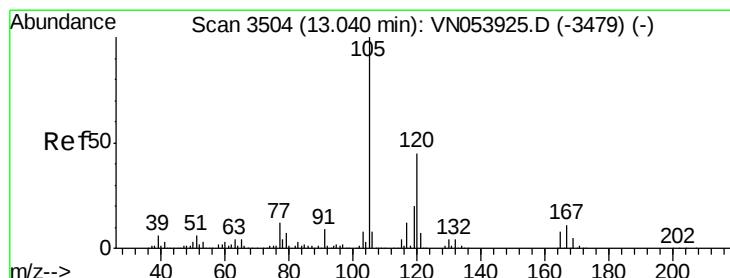
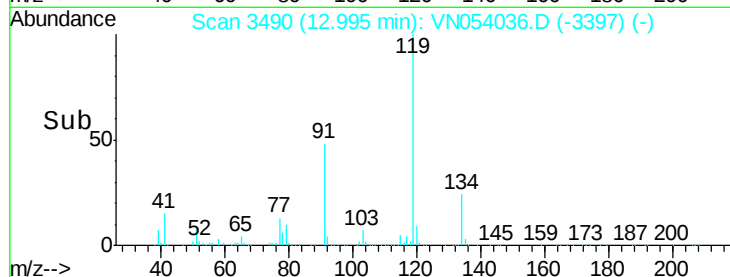
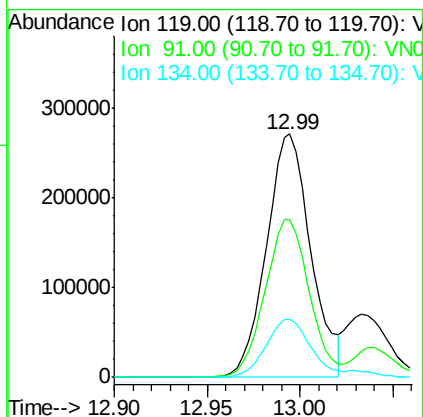
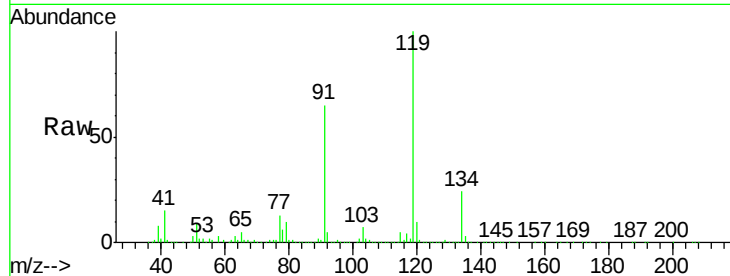




#83
tert-Butylbenzene
Concen: 21.054 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN054036.D
Acq: 1 Mar 2019 18:22

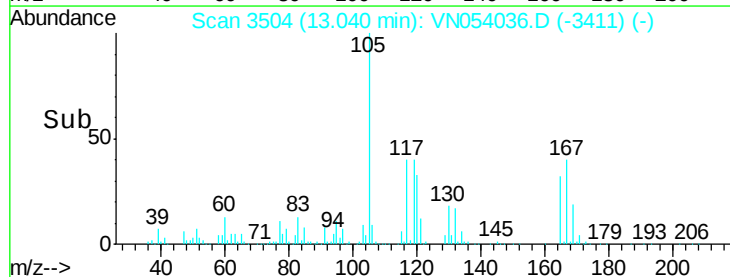
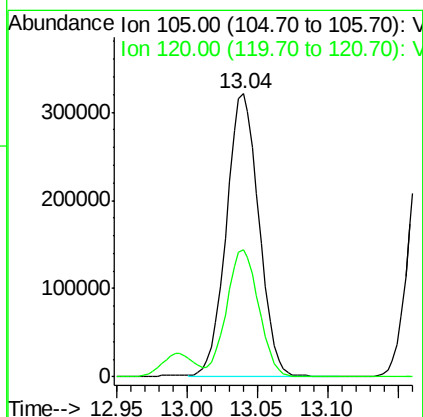
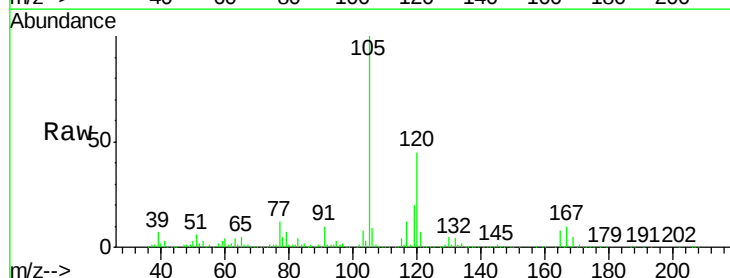
Instrument :
MSVOA_N
ClientSampled :
VN0302WBSD01

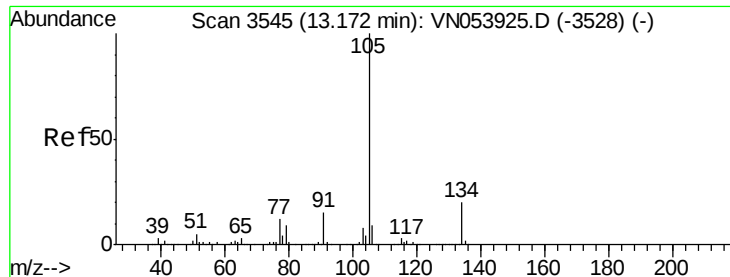
Tot Ion:119 Resp: 452779
Ion Ratio Lower Upper
119 100
91 64.5 30.6 91.8
134 24.2 13.0 39.0



#84
1,2,4-Trimethylbenzene
Concen: 21.232 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN054036.D
Acq: 1 Mar 2019 18:22

Tgt Ion:105 Resp: 515409
Ion Ratio Lower Upper
105 100
120 44.8 23.2 69.5





#85

sec-Butylbenzene

Concen: 20.748 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN054036.D

Acq: 1 Mar 2019 18:22

Instrument :

MSVOA_N

ClientSampleId :

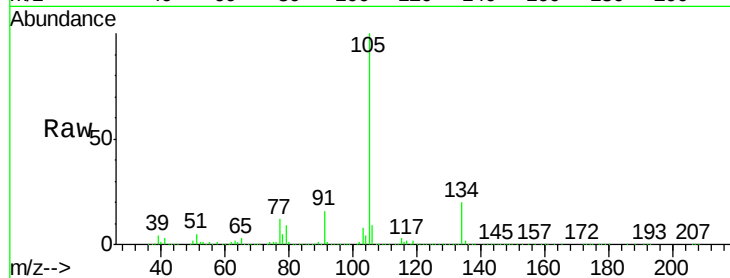
VN0302WBSD01

Tot Ion:105 Resp: 609412

Ion Ratio Lower Upper

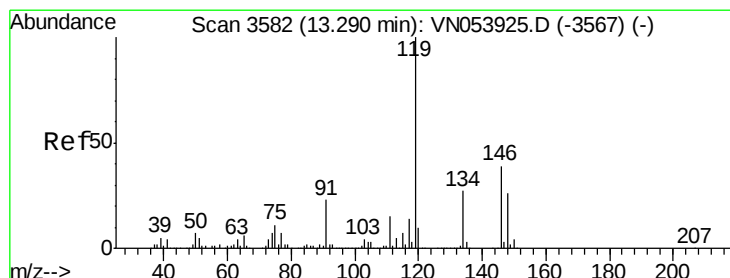
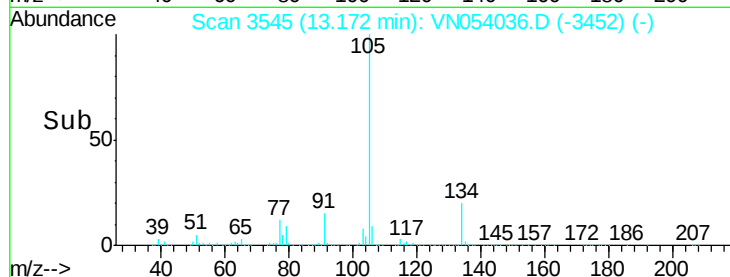
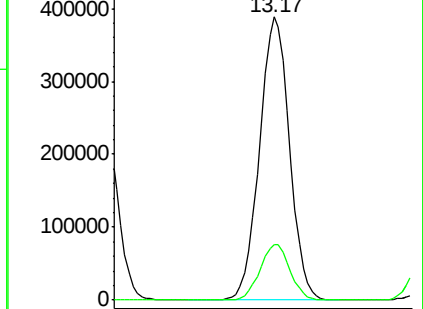
105 100

134 19.8 10.4 31.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.600 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN054036.D

Acq: 1 Mar 2019 18:22

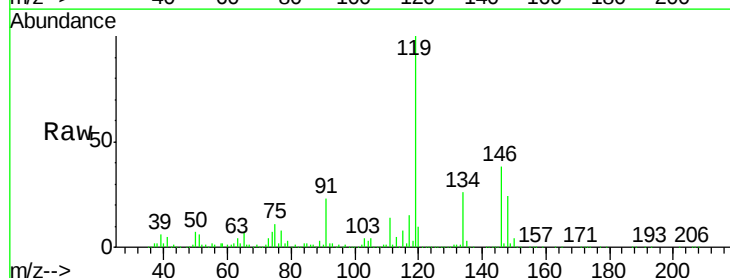
Tgt Ion:119 Resp: 511504

Ion Ratio Lower Upper

119 100

134 25.9 13.5 40.4

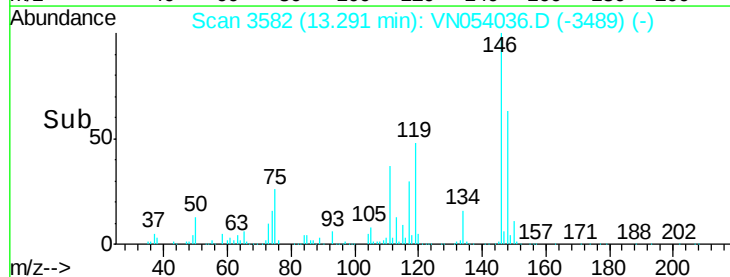
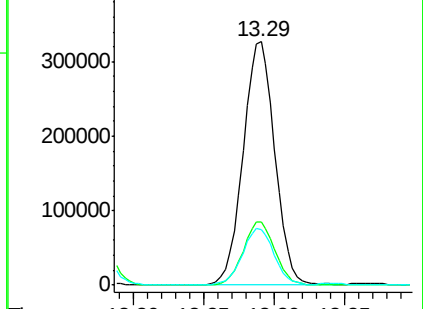
91 22.7 10.9 32.6

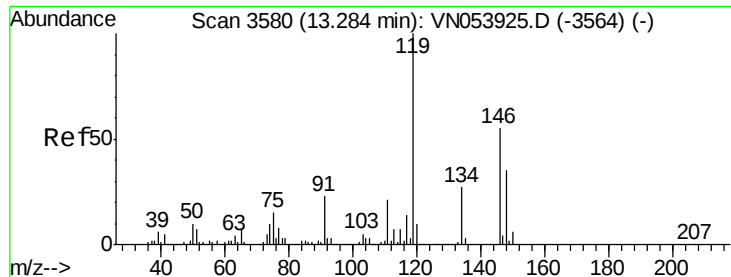


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

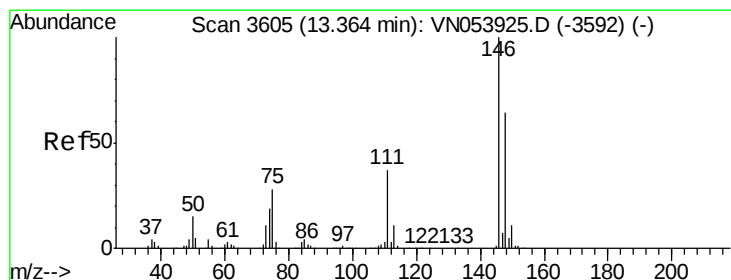
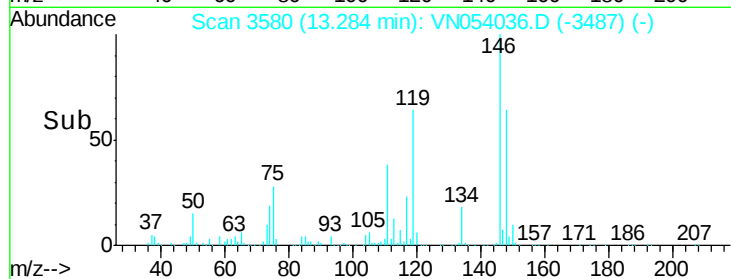
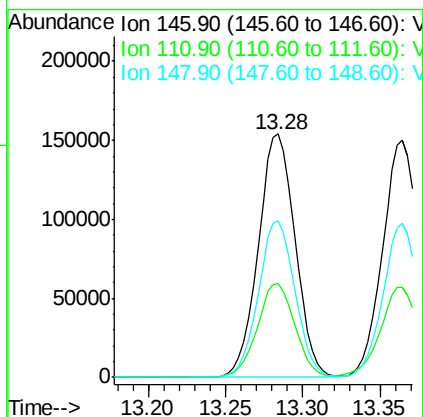
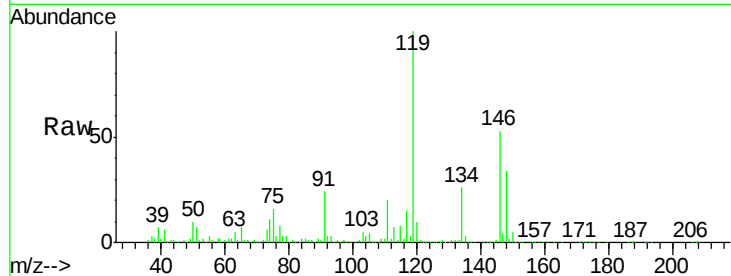




#87
 1,3-Dichlorobenzene
 Concen: 19.617 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN054036.D
 Acq: 1 Mar 2019 18:22

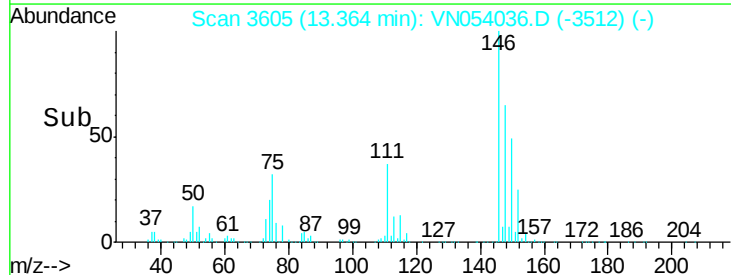
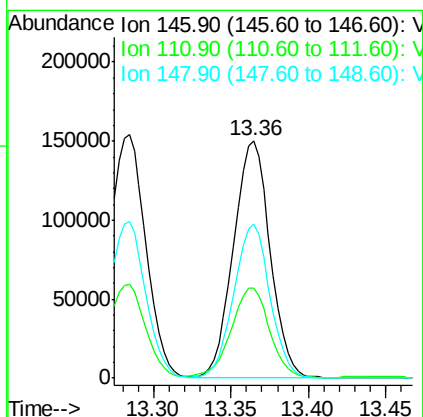
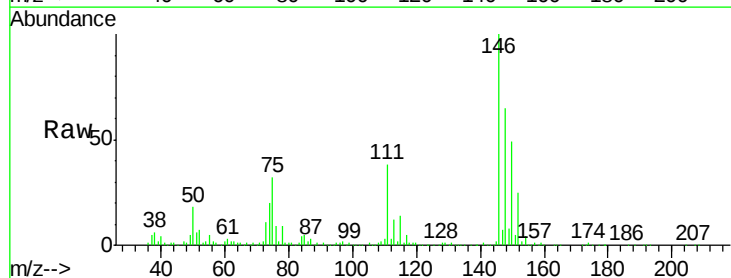
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0302WBSD01

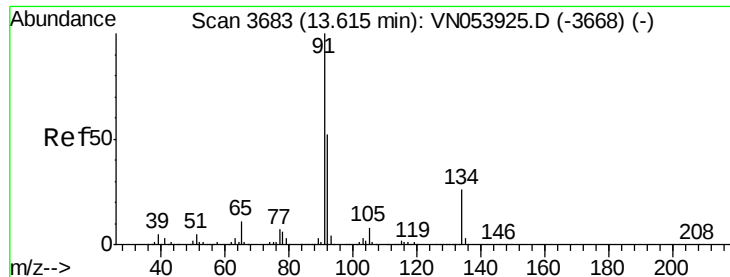
Tot Ion:146 Resp: 255905
 Ion Ratio Lower Upper
 146 100
 111 38.5 18.7 56.1
 148 63.6 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 19.483 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN054036.D
 Acq: 1 Mar 2019 18:22

Tgt Ion:146 Resp: 246573
 Ion Ratio Lower Upper
 146 100
 111 39.2 18.0 54.0
 148 64.4 32.1 96.5

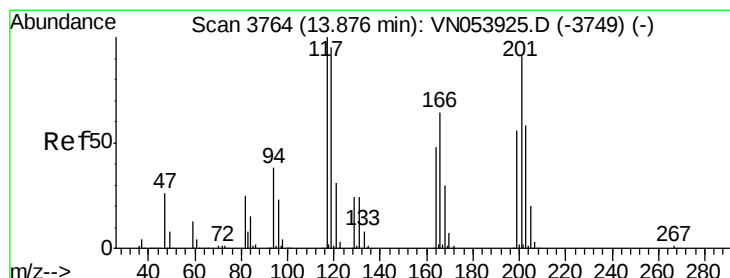
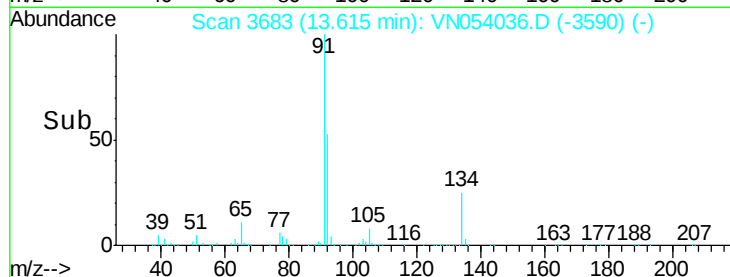
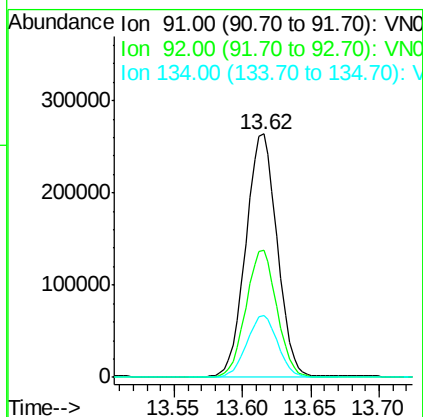
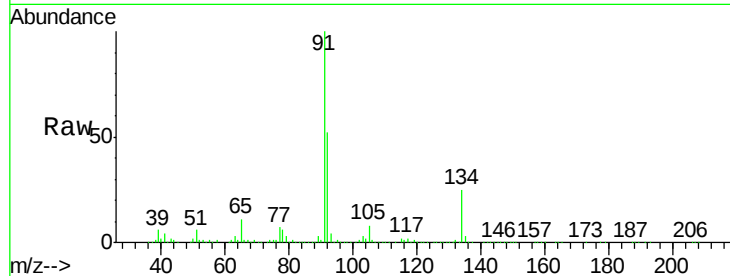




#89
n-Butylbenzene
Concen: 19.906 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN054036.D
Acq: 1 Mar 2019 18:22

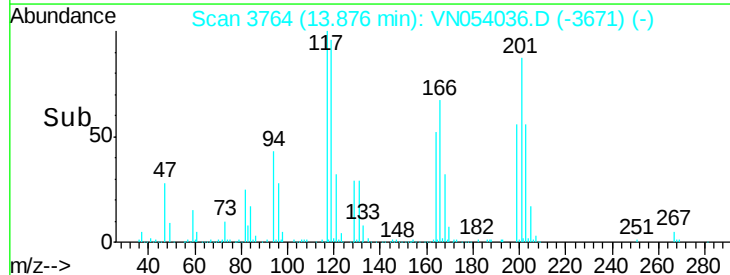
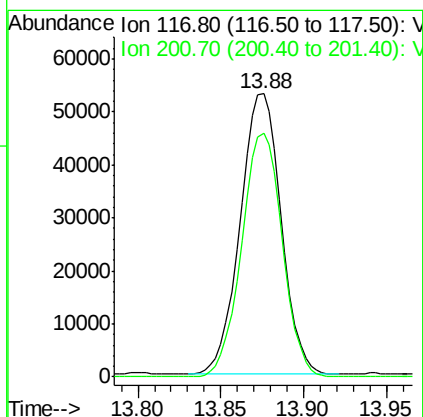
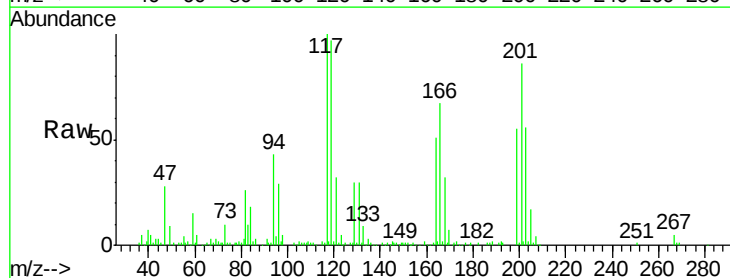
Instrument :
MSVOA_N
ClientSampled :
VN0302WBSD01

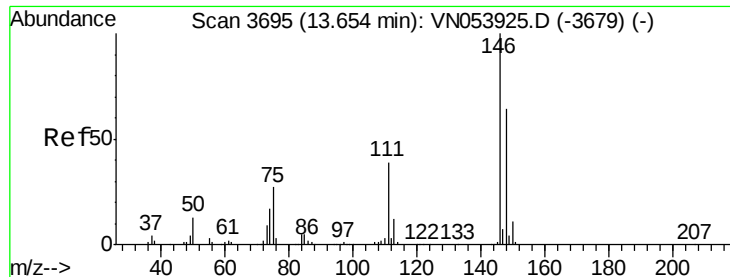
Tot Ion: 91 Resp: 416558
Ion Ratio Lower Upper
91 100
92 52.0 26.1 78.2
134 25.2 13.6 40.8



#90
Hexachloroethane
Concen: 18.962 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN054036.D
Acq: 1 Mar 2019 18:22

Tgt Ion: 117 Resp: 91238
Ion Ratio Lower Upper
117 100
201 86.3 48.0 144.2





#91

1,2-Dichlorobenzene

Concen: 20.088 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN054036.D

Acq: 1 Mar 2019 18:22

Instrument :

MSVOA_N

ClientSampleId :

VN0302WBSD01

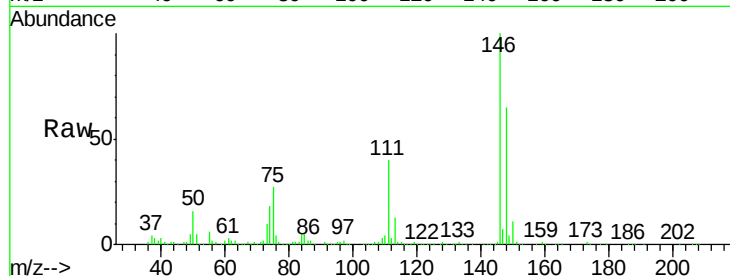
Tot Ion:146 Resp: 253667

Ion Ratio Lower Upper

146 100

111 39.5 19.1 57.5

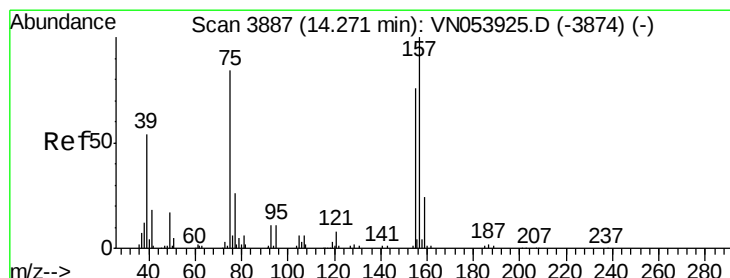
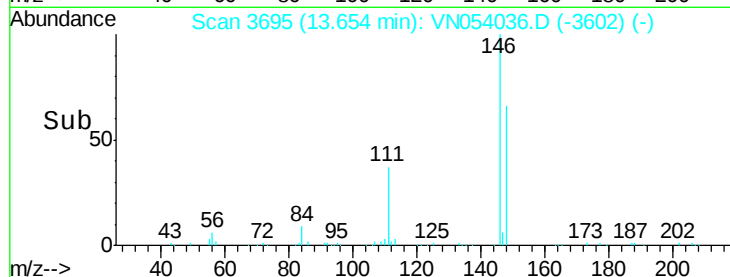
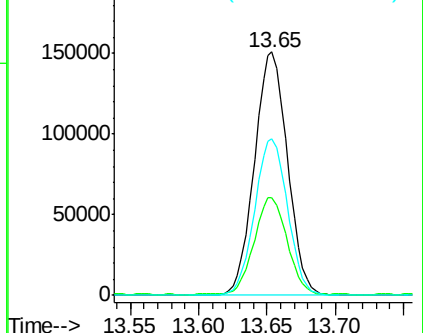
148 64.3 32.1 96.5



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: 20.934 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

Lab File: VN054036.D

Acq: 1 Mar 2019 18:22

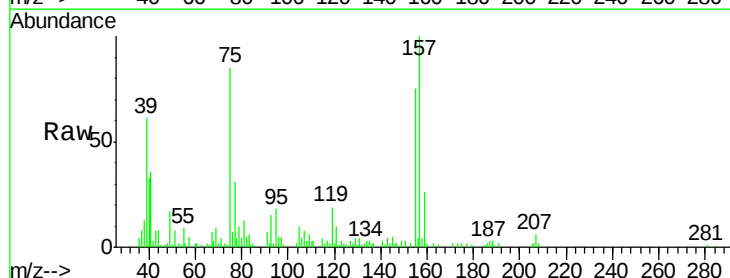
Tgt Ion: 75 Resp: 21972

Ion Ratio Lower Upper

75 100

155 88.0 49.5 148.5

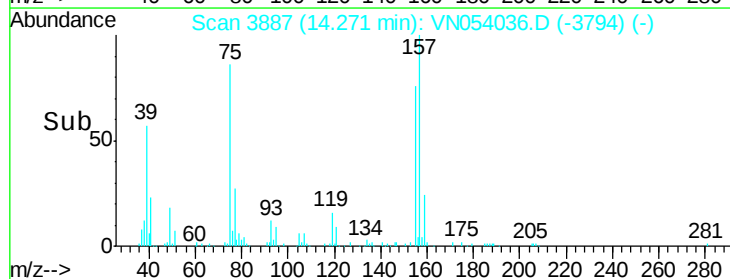
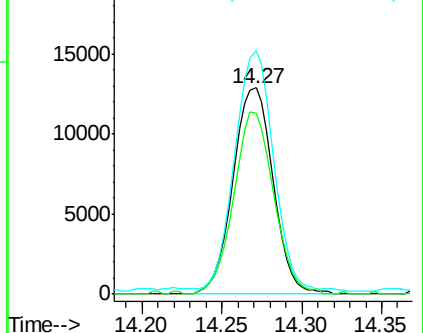
157 110.4 64.8 194.6

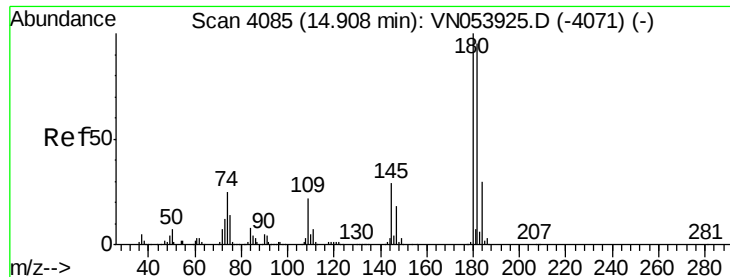


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#93

1,2,4-Trichlorobenzene

Concen: 18.216 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN054036.D

Acq: 1 Mar 2019 18:22

Instrument :

MSVOA_N

ClientSampled :

VN0302WBSD01

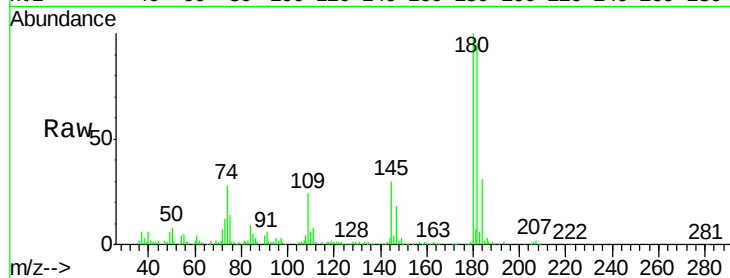
Tot Ion:180 Resp: 117382

Ion Ratio Lower Upper

180 100

182 96.3 48.6 145.9

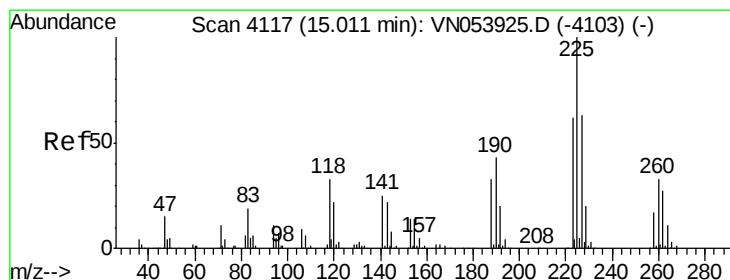
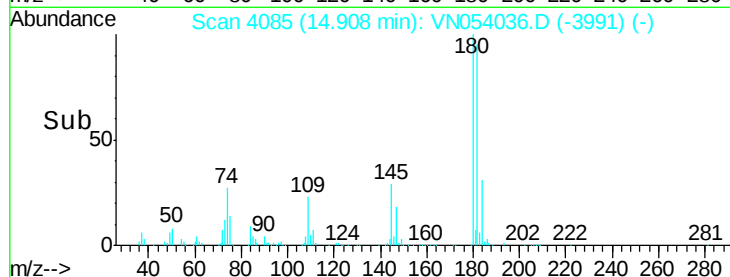
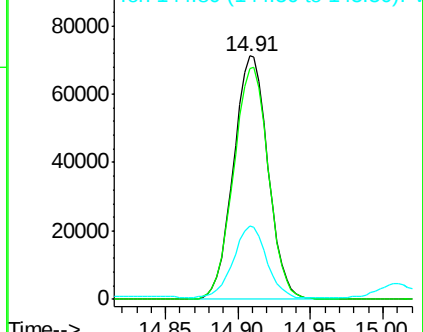
145 28.5 13.8 41.3



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: 17.681 ug/l

RT: 15.01 min Scan# 4117

Delta R.T. 0.00 min

Lab File: VN054036.D

Acq: 1 Mar 2019 18:22

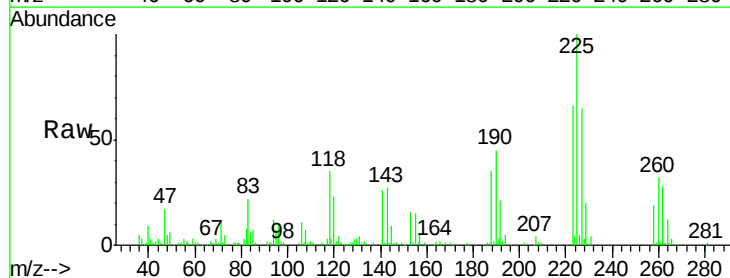
Tgt Ion:225 Resp: 80651

Ion Ratio Lower Upper

225 100

223 64.4 30.9 92.5

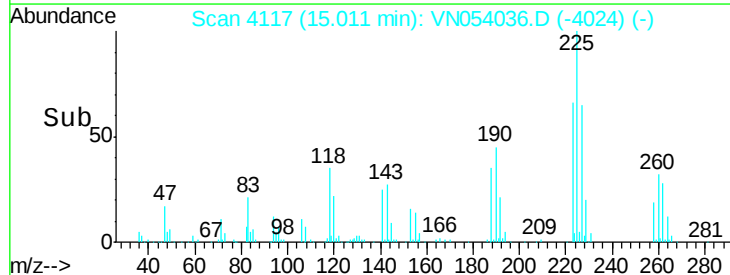
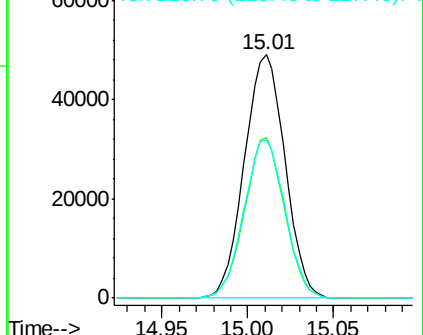
227 65.5 32.5 97.4

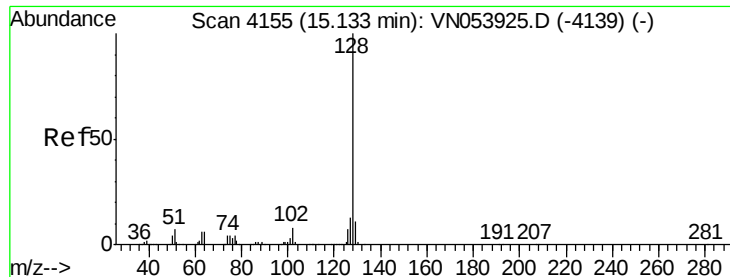


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 18.950 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN054036.D

Acq: 1 Mar 2019 18:22

Instrument :

MSVOA_N

ClientSampleId :

VN0302WBSD01

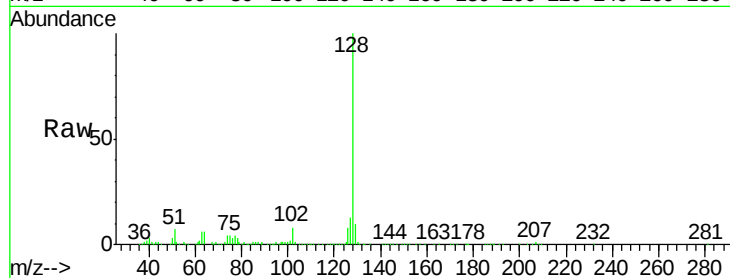
Tot Ion:128 Resp: 254084

Ion Ratio Lower Upper

128 100

127 13.6 10.2 15.2

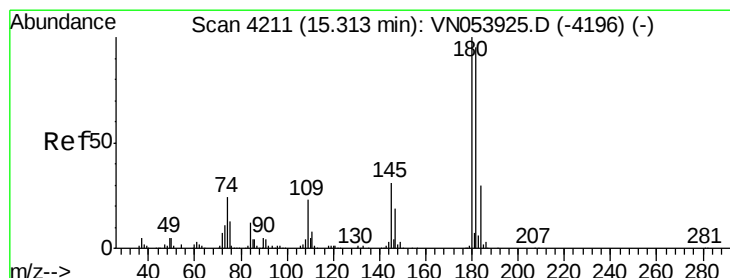
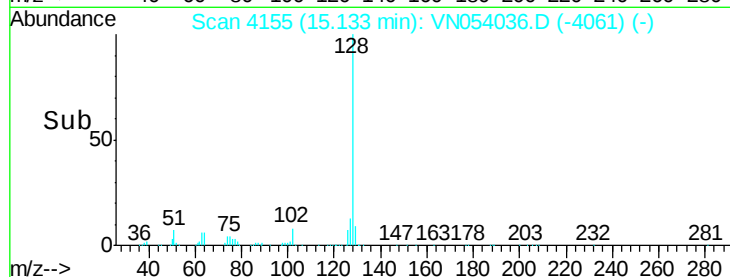
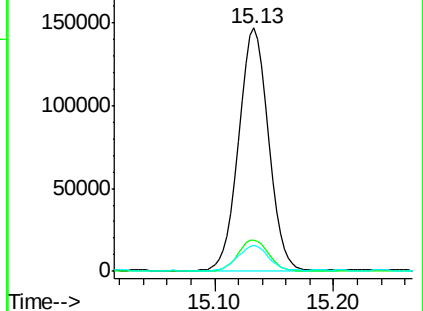
129 10.6 8.6 12.8



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: 18.796 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN054036.D

Acq: 1 Mar 2019 18:22

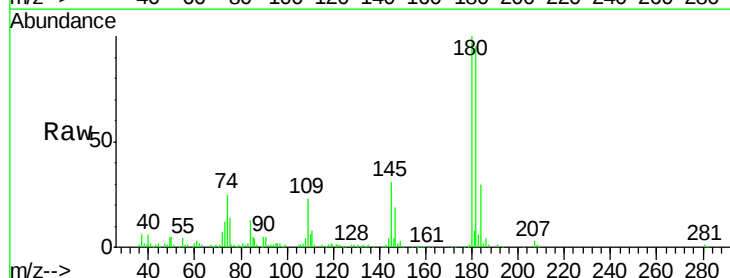
Tgt Ion:180 Resp: 119689

Ion Ratio Lower Upper

180 100

182 96.0 47.3 141.8

145 30.1 14.4 43.0



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

