

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031619\
 Data File : VN054358.D
 Acq On : 17 Mar 2019 1:53
 Operator : JC/SP
 Sample : VN0316WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0316WBSD02

Quant Time: Mar 18 04:58:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 13 03:33:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1204996	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1882123	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1612740	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	717740	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	688709	53.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.64%	
35) Dibromofluoromethane	7.59	113	625711	51.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.10%	
50) Toluene-d8	10.09	98	2239619	49.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.92%	
62) 4-Bromofluorobenzene	12.40	95	743401	47.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	238174	20.855	ug/l	99
3) Chloromethane	2.06	50	230122	20.744	ug/l	99
4) Vinyl Chloride	2.19	62	261435	20.619	ug/l	100
5) Bromomethane	2.57	94	177131	20.171	ug/l	97
6) Chloroethane	2.71	64	156146	20.354	ug/l	98
7) Trichlorofluoromethane	3.02	101	336221	19.945	ug/l	99
8) Diethyl Ether	3.41	74	176567	22.984	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.75	101	268051	21.219	ug/l	99
10) Methyl Iodide	3.94	142	409993	23.666	ug/l	99
11) Tert butyl alcohol	4.81	59	84557	96.384	ug/l	98
12) 1,1-Dichloroethene	3.73	96	269284	21.511	ug/l	98
13) Acrolein	3.61	56	70849	85.225	ug/l	98
14) Allyl chloride	4.31	41	318507	19.830	ug/l	99
15) Acrylonitrile	5.00	53	423304	117.465	ug/l	99
16) Acetone	3.82	43	313370	85.524	ug/l	100
17) Carbon Disulfide	4.04	76	540638	17.228	ug/l	100
18) Methyl Acetate	4.33	43	196942	26.567	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	698921	22.524	ug/l	98
20) Methylene Chloride	4.54	84	269324	22.385	ug/l	97
21) trans-1,2-Dichloroethene	5.03	96	248246	20.697	ug/l	95
22) Diisopropyl ether	5.96	45	714429	22.287	ug/l	99
23) Vinyl Acetate	5.90	43	2469331	104.476	ug/l	100
24) 1,1-Dichloroethane	5.85	63	457668	22.235	ug/l	100
25) 2-Butanone	6.85	43	477802	111.103	ug/l	99
26) 2,2-Dichloropropane	6.82	77	234884	12.977	ug/l	96
27) cis-1,2-Dichloroethene	6.83	96	299259	22.364	ug/l	96
28) Bromochloromethane	7.19	49	172489	20.499	ug/l	98
29) Tetrahydrofuran	7.22	42	320766	116.006	ug/l	100
30) Chloroform	7.37	83	485658	22.612	ug/l	98
31) Cyclohexane	7.65	56	399653	20.033	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	403927	20.824	ug/l	98
36) 1,1-Dichloropropene	7.79	75	340547	19.648	ug/l	98
37) Ethyl Acetate	6.94	43	210650	21.151	ug/l	98
38) Carbon Tetrachloride	7.77	117	348761	19.187	ug/l	98

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 Acq On : 17 Mar 2019 1:53
 Operator : JC/SP
 Sample : VN0316WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0316WBSD02

Quant Time: Mar 18 04:58:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 13 03:33:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	398344	18.679	ug/l	97
40) Benzene	8.04	78	1062490	21.421	ug/l	99
41) Methacrylonitrile	7.18	41	104194	18.323	ug/l	87
42) 1,2-Dichloroethane	8.13	62	359034	21.441	ug/l	100
43) Isopropyl Acetate	8.17	43	350506	20.051	ug/l	98
44) Trichloroethene	8.83	130	317439	20.602	ug/l	99
45) 1,2-Dichloropropane	9.12	63	269511	21.883	ug/l	99
46) Dibromomethane	9.21	93	179728	21.598	ug/l	99
47) Bromodichloromethane	9.40	83	346090	20.746	ug/l	96
48) Methyl methacrylate	9.20	41	191824	21.623	ug/l	99
49) 1,4-Dioxane	9.20	88	55191	439.823	ug/l	100
51) 4-Methyl-2-Pentanone	9.99	43	1039569	112.372	ug/l	99
52) Toluene	10.16	92	659121	20.958	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	287615	16.461	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	356772	18.352	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	254449	22.158	ug/l	99
56) Ethyl methacrylate	10.43	69	285847	20.876	ug/l	98
57) 1,3-Dichloropropane	10.71	76	412010	21.942	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	525624	99.356	ug/l	99
59) 2-Hexanone	10.75	43	648184	105.299	ug/l	100
60) Dibromochloromethane	10.90	129	255133	19.739	ug/l	99
61) 1,2-Dibromoethane	11.01	107	246250	21.102	ug/l	99
64) Tetrachloroethene	10.63	164	332315	21.312	ug/l	99
65) Chlorobenzene	11.43	112	755160	21.325	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	271351	21.094	ug/l	99
67) Ethyl Benzene	11.51	91	1230640	20.965	ug/l	100
68) m/p-Xylenes	11.62	106	968417	42.210	ug/l	99
69) o-Xylene	11.95	106	483200	21.605	ug/l	99
70) Styrene	11.96	104	739595	21.085	ug/l	100
71) Bromoform	12.13	173	161455	18.041	ug/l #	99
73) Isopropylbenzene	12.25	105	1261500	21.968	ug/l	100
74) N-amyl acetate	12.07	43	276749	21.712	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	291311	23.811	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	327249	31.005	ug/l #	100
77) Bromobenzene	12.53	156	334552	22.017	ug/l	97
78) n-propylbenzene	12.59	91	1327435	21.304	ug/l	100
79) 2-Chlorotoluene	12.67	91	816892	21.805	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1018231	21.318	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	41899	13.570	ug/l #	83
82) 4-Chlorotoluene	12.77	91	797432	21.316	ug/l	99
83) tert-Butylbenzene	12.99	119	955128	21.725	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1014573	21.652	ug/l	99
85) sec-Butylbenzene	13.17	105	1190841	20.886	ug/l	100
86) p-Isopropyltoluene	13.29	119	1020457	20.401	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	544810	21.278	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	529483	21.051	ug/l	99
89) n-Butylbenzene	13.62	91	711530	18.722	ug/l	99
90) Hexachloroethane	13.88	117	151701	18.316	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	558792	22.324	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	38030	20.088	ug/l	96

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Acq On : 17 Mar 2019 1:53
Operator : JC/SP
Sample : VN0316WBSD01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0316WBSD02

Quant Time: Mar 18 04:58:36 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 13 03:33:31 2019
Response via : Initial Calibration

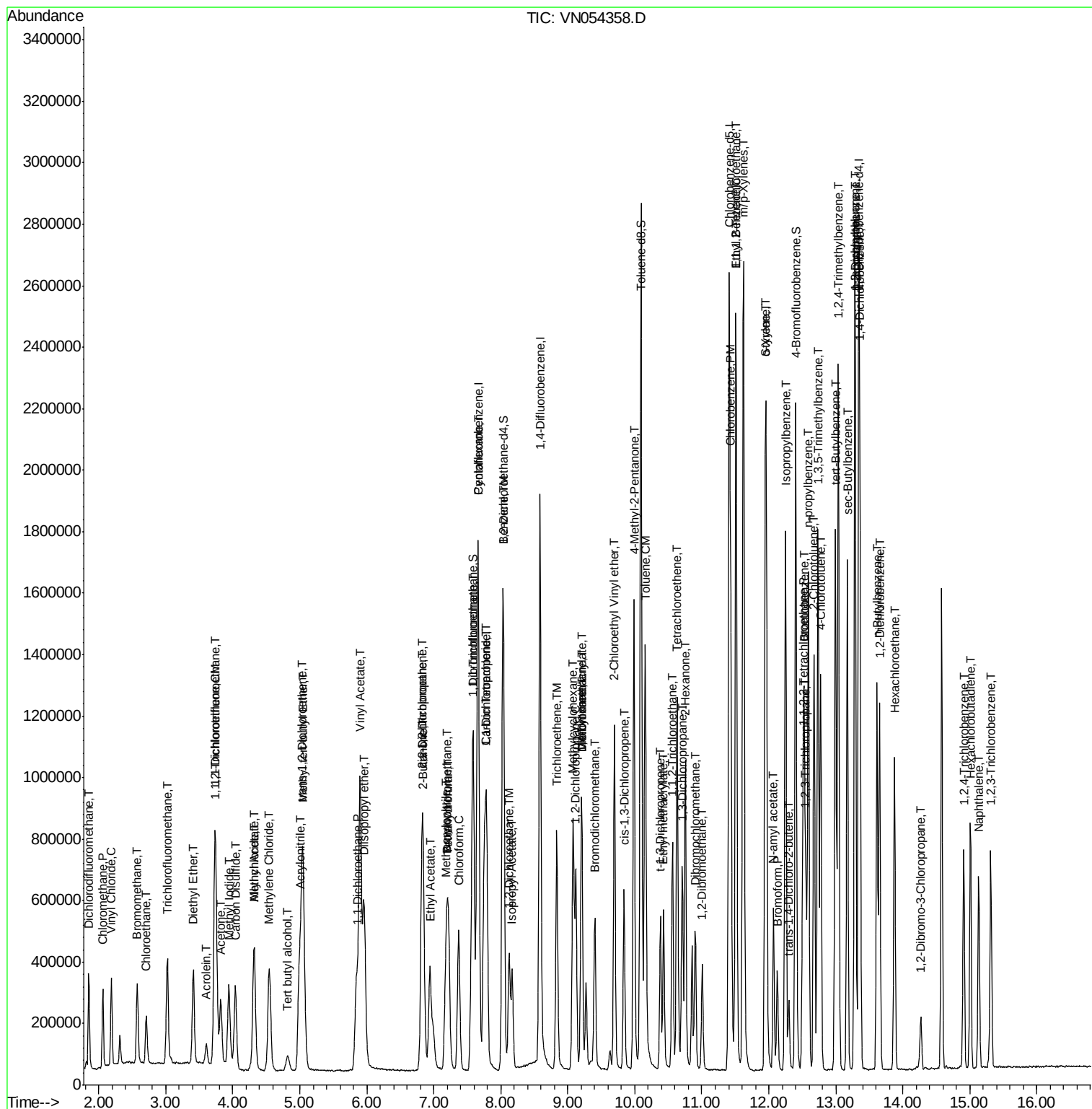
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	254898	18.535	ug/l	99
94) Hexachlorobutadiene	15.01	225	172922	18.137	ug/l	99
95) Naphthalene	15.13	128	566747	20.224	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	274894	20.670	ug/l	99

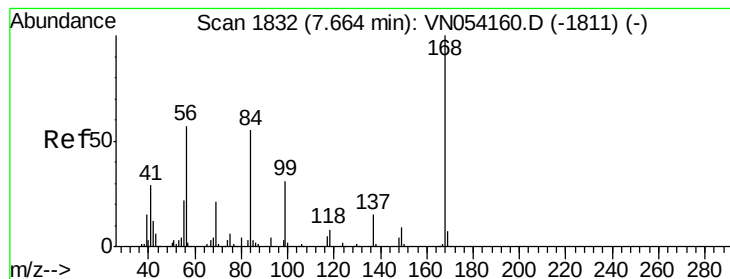
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN031619\
Data File : VN054358.D
Acq On : 17 Mar 2019 1:53
Operator : JC/SP
Sample : VN0316WBSD01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0316WBSD02

Quant Time: Mar 17 02:59:55 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 13 03:33:31 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN054358.D

Acq: 17 Mar 2019 1:53

Instrument :

MSVOA_N

ClientSampleId :

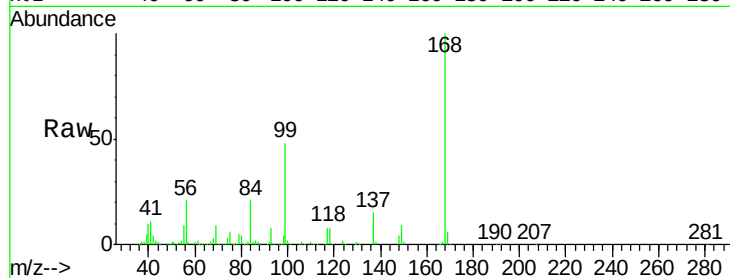
VN0316WBSD02

Tot Ion:168 Resp: 1204996

Ion Ratio Lower Upper

168 100

99 47.6 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

500000

400000

300000

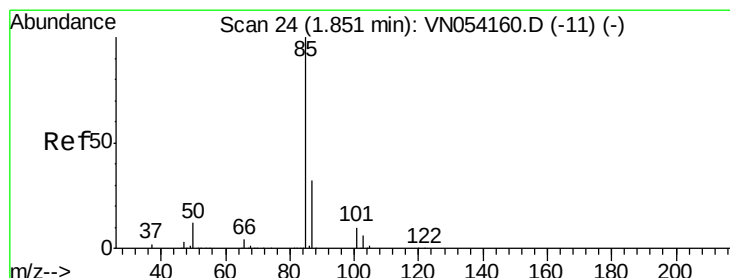
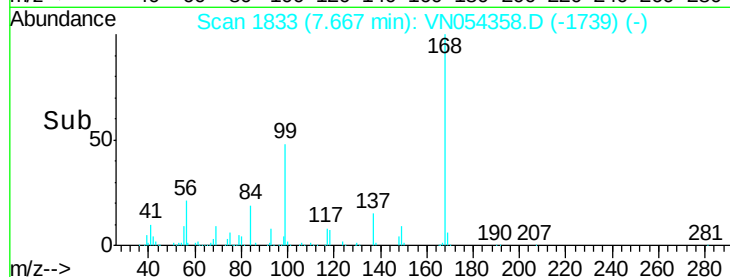
200000

100000

0

7.50 7.60 7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 20.855 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN054358.D

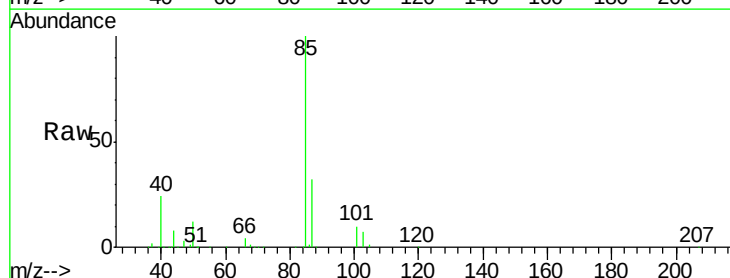
Acq: 17 Mar 2019 1:53

Tgt Ion: 85 Resp: 238174

Ion Ratio Lower Upper

85 100

87 32.4 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

200000

150000

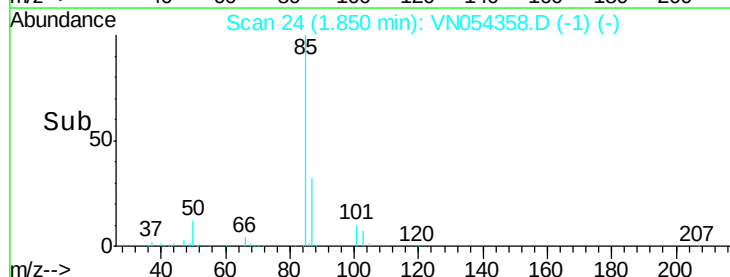
100000

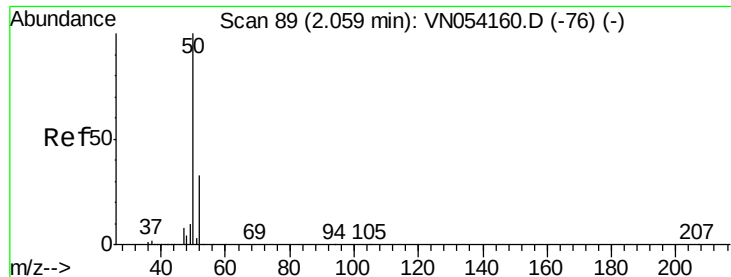
50000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 20.744 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN054358.D

Acq: 17 Mar 2019 1:53

Instrument :

MSVOA_N

ClientSampleId :

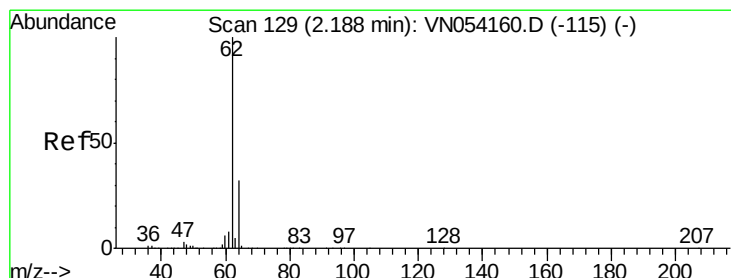
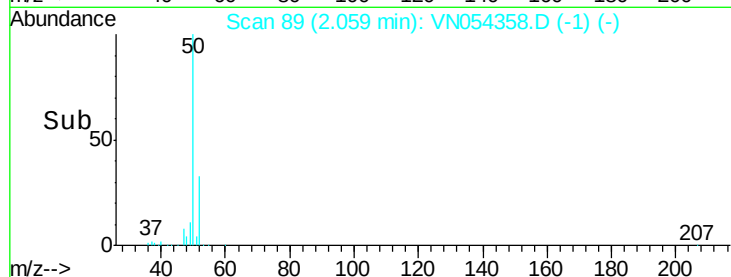
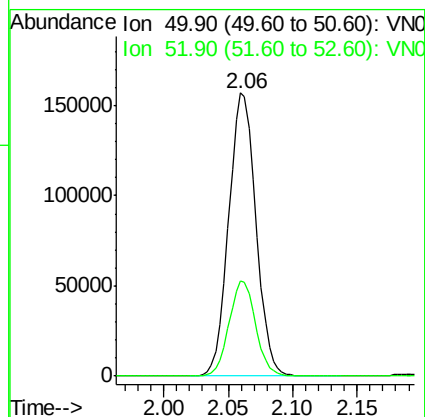
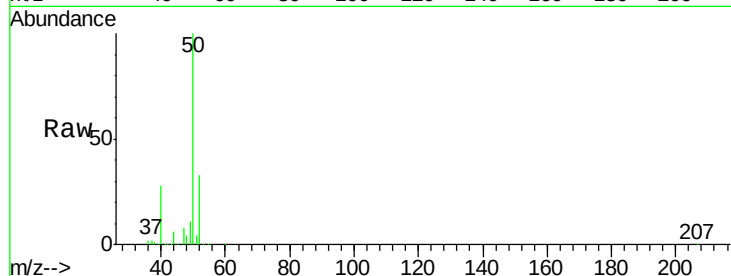
VN0316WBSD02

Tot Ion: 50 Resp: 230122

Ion Ratio Lower Upper

50 100

52 33.4 26.4 39.6



#4

Vinyl Chloride

Concen: 20.619 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN054358.D

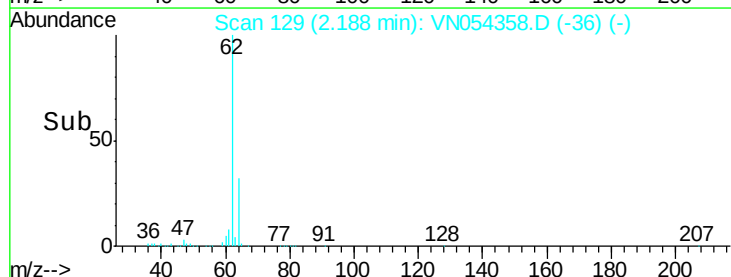
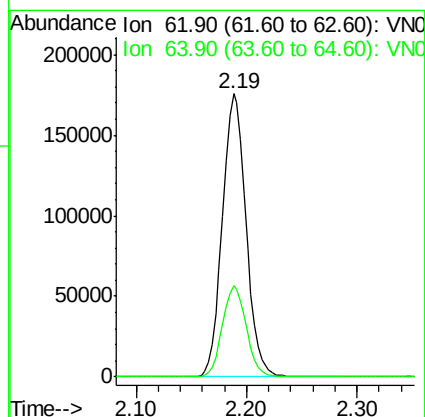
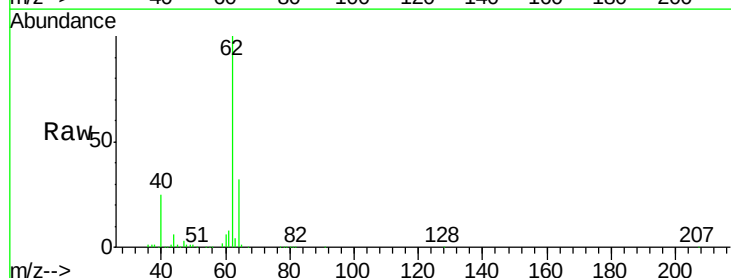
Acq: 17 Mar 2019 1:53

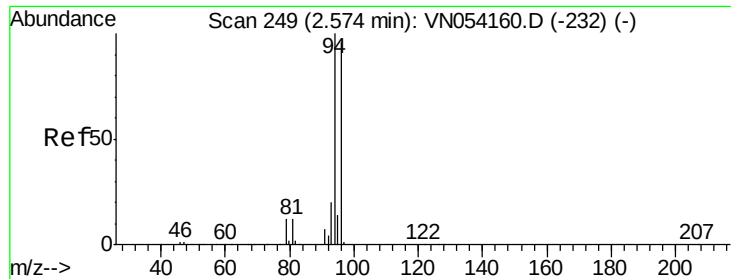
Tgt Ion: 62 Resp: 261435

Ion Ratio Lower Upper

62 100

64 32.1 25.5 38.3





#5

Bromomethane

Concen: 20.171 ug/l

RT: 2.57 min Scan# 249

Delta R.T. -0.00 min

Lab File: VN054358.D

Acq: 17 Mar 2019 1:53

Instrument :

MSVOA_N

ClientSampleId :

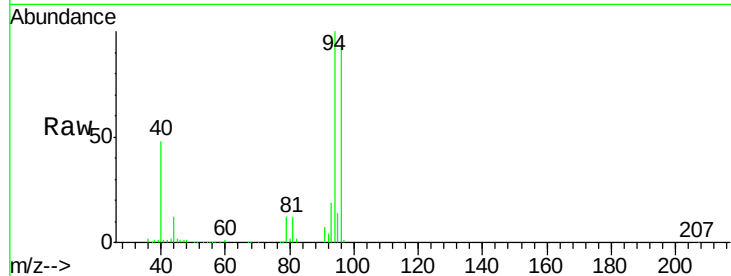
VN0316WBSD02

Tot Ion: 94 Resp: 177131

Ion Ratio Lower Upper

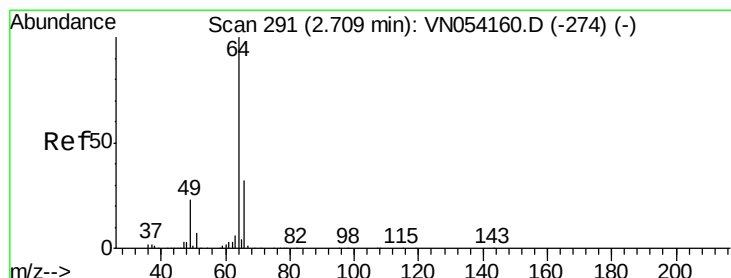
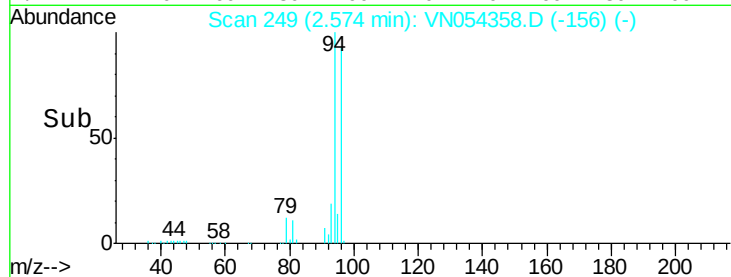
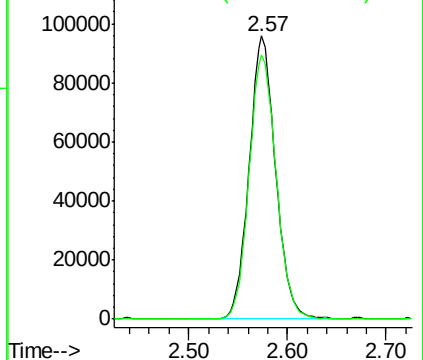
94 100

96 93.2 77.0 115.4



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 20.354 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN054358.D

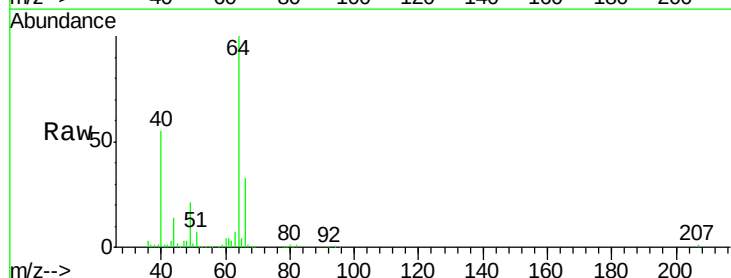
Acq: 17 Mar 2019 1:53

Tgt Ion: 64 Resp: 156146

Ion Ratio Lower Upper

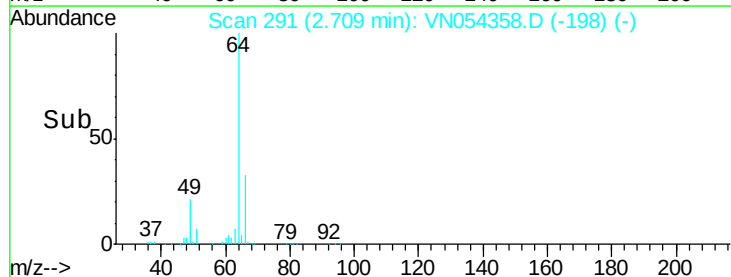
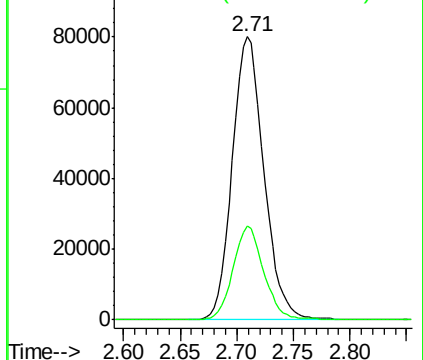
64 100

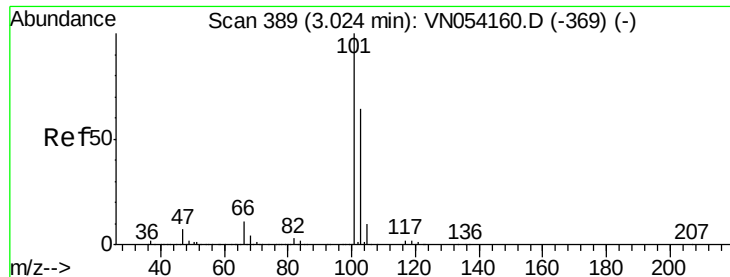
66 33.0 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



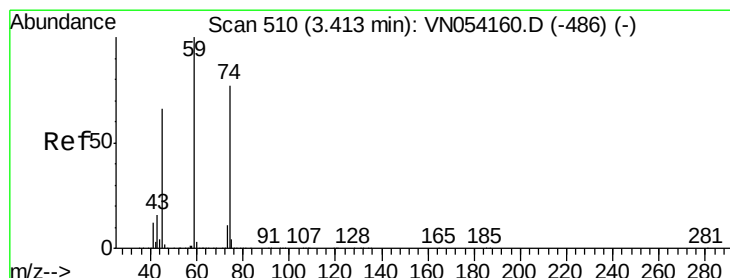
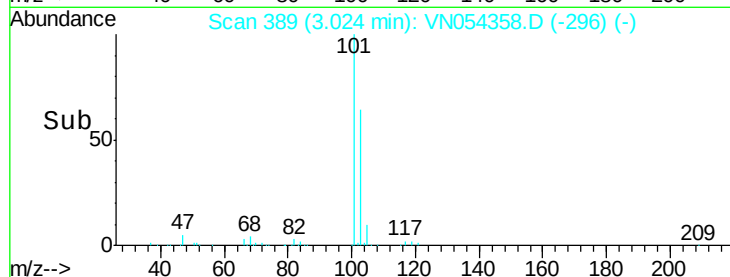
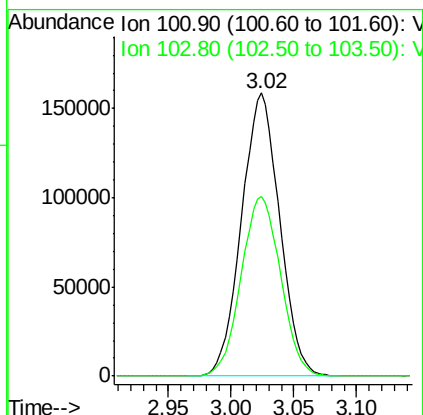
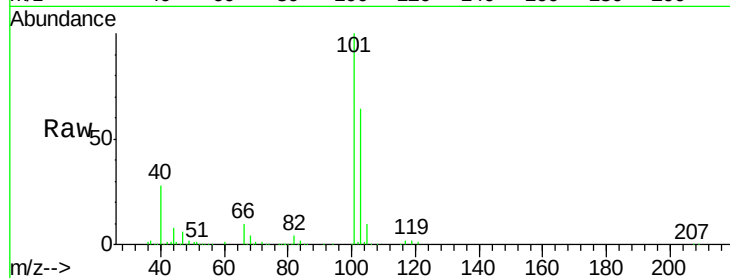


#7

Trichlorofluoromethane
Concen: 19.945 ug/l
RT: 3.02 min Scan# 389
Delta R.T. -0.00 min
Lab File: VN054358.D
Acq: 17 Mar 2019 1:53

Instrument :
MSVOA_N
ClientSampleId :
VN0316WBSD02

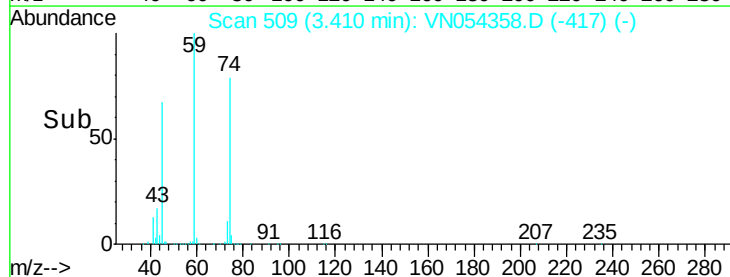
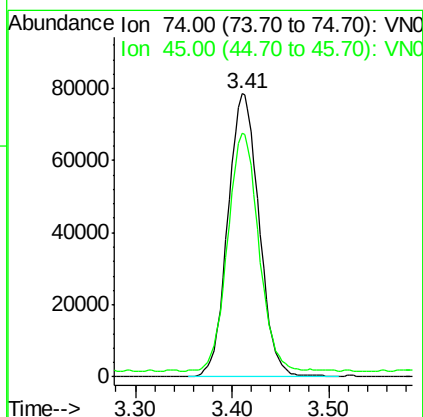
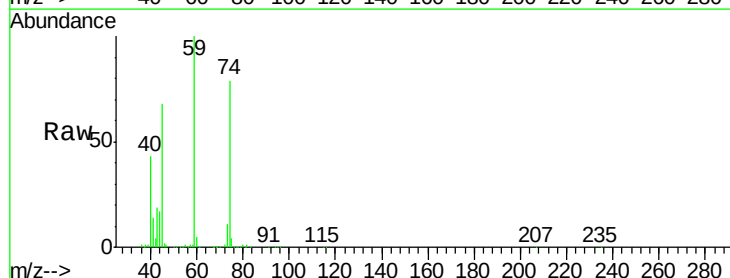
Tot Ion:101 Resp: 336221
Ion Ratio Lower Upper
101 100
103 63.6 51.4 77.2

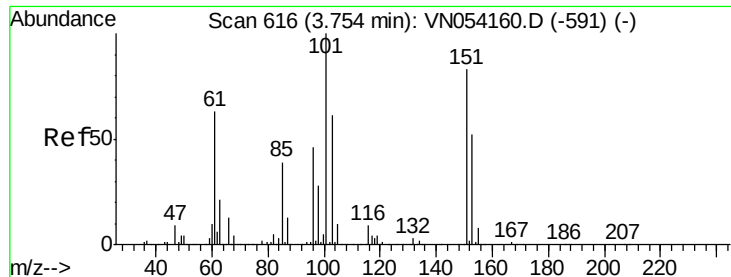


#8

Diethyl Ether
Concen: 22.984 ug/l
RT: 3.41 min Scan# 509
Delta R.T. -0.00 min
Lab File: VN054358.D
Acq: 17 Mar 2019 1:53

Tgt Ion: 74 Resp: 176567
Ion Ratio Lower Upper
74 100
45 83.5 43.1 129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.219 ug/l

RT: 3.75 min Scan# 616

Delta R.T. -0.00 min

Lab File: VN054358.D

Acq: 17 Mar 2019 1:53

Instrument :

MSVOA_N

ClientSampleId :

VN0316WBSD02

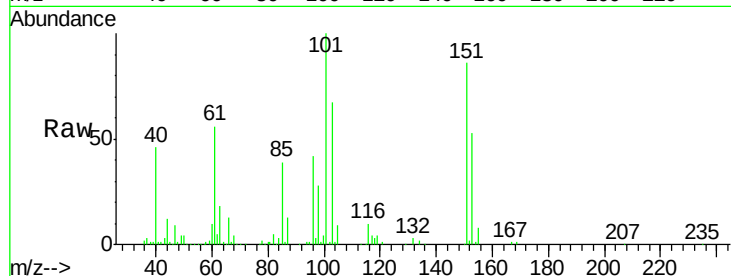
Tot Ion:101 Resp: 268051

Ion Ratio Lower Upper

101 100

85 39.4 32.4 48.6

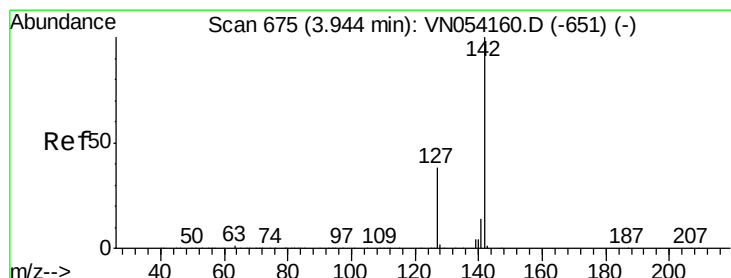
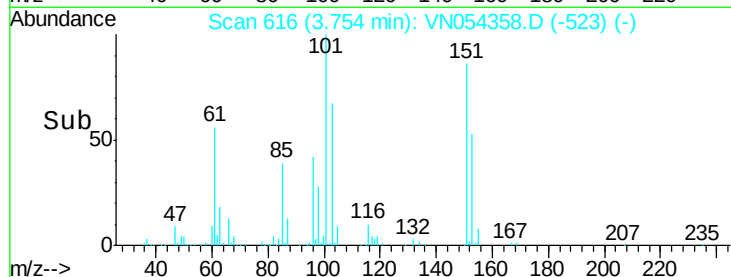
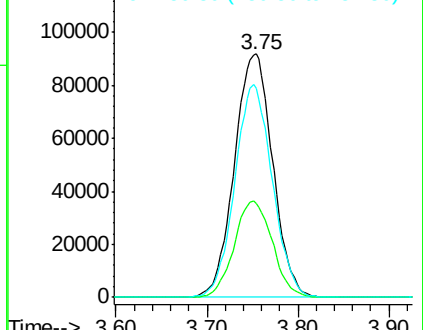
151 85.7 68.2 102.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 23.666 ug/l

RT: 3.94 min Scan# 675

Delta R.T. -0.00 min

Lab File: VN054358.D

Acq: 17 Mar 2019 1:53

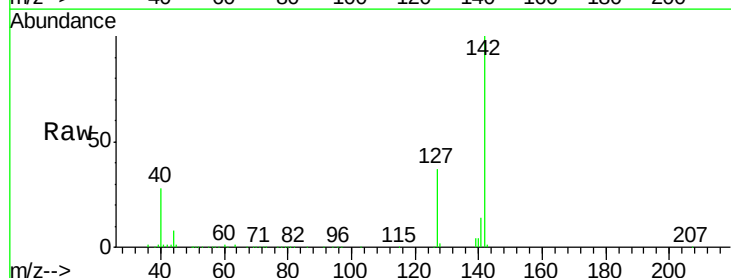
Tgt Ion:142 Resp: 409993

Ion Ratio Lower Upper

142 100

127 37.4 30.3 45.5

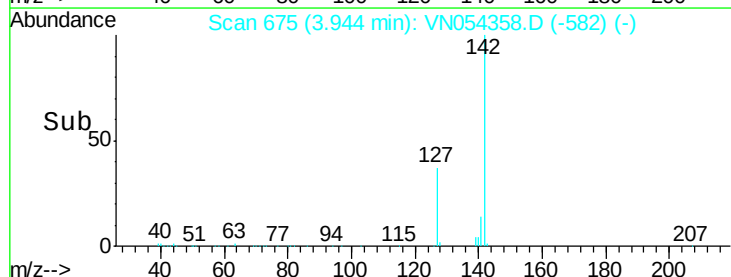
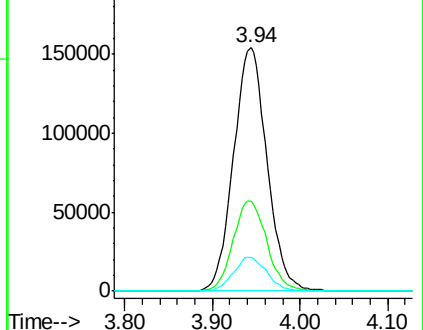
141 13.9 11.2 16.8

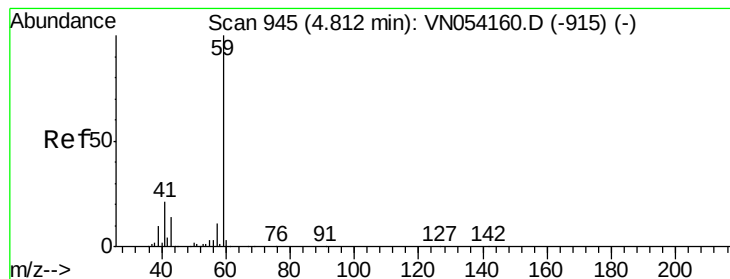


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 96.384 ug/l

RT: 4.81 min Scan# 946

Delta R.T. 0.00 min

Lab File: VN054358.D

Acq: 17 Mar 2019 1:53

Instrument :

MSVOA_N

ClientSampleId :

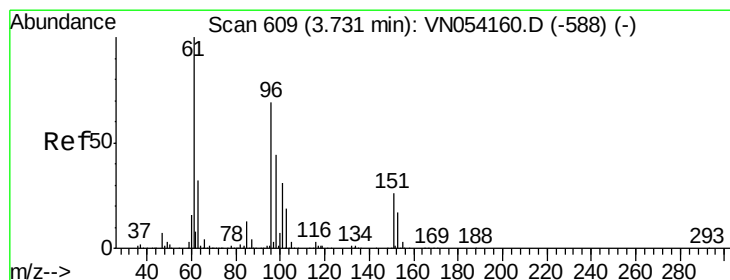
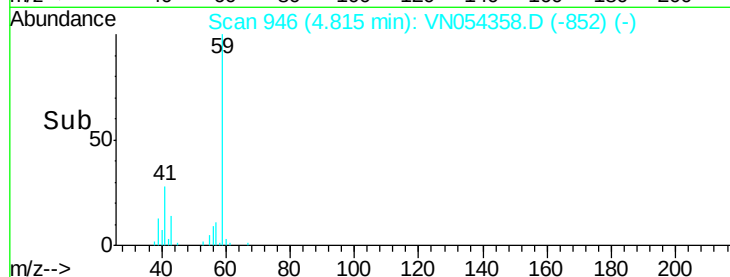
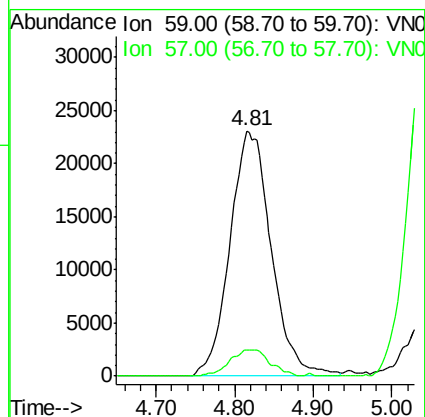
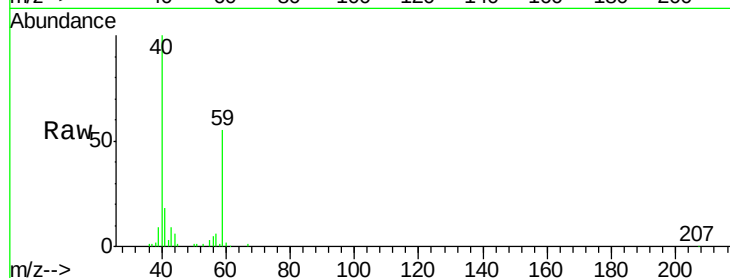
VN0316WBSD02

Tot Ion: 59 Resp: 84557

Ion Ratio Lower Upper

59 100

57 10.4 9.0 13.6



#12

1,1-Dichloroethene

Concen: 21.511 ug/l

RT: 3.73 min Scan# 609

Delta R.T. -0.00 min

Lab File: VN054358.D

Acq: 17 Mar 2019 1:53

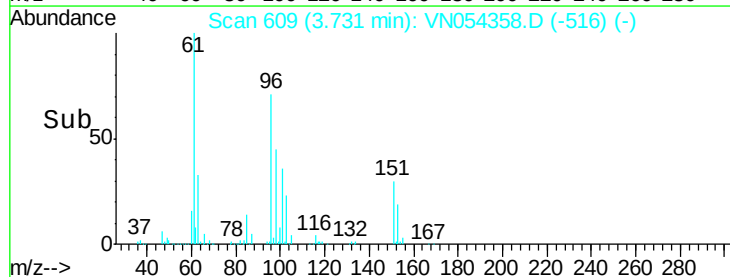
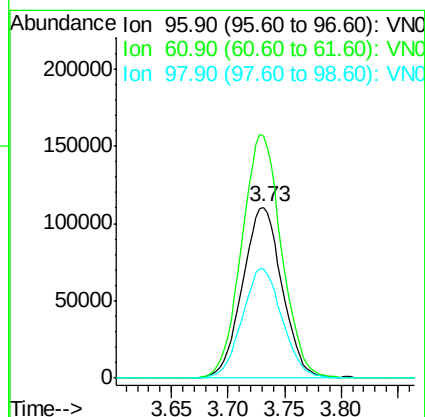
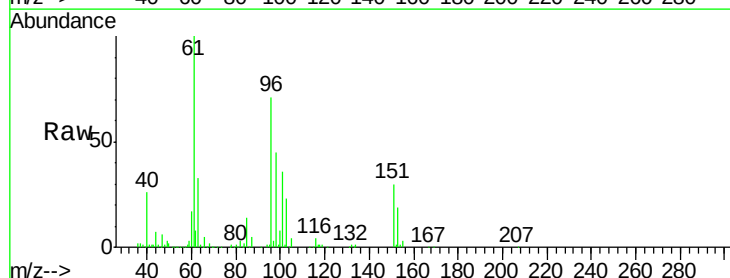
Tgt Ion: 96 Resp: 269284

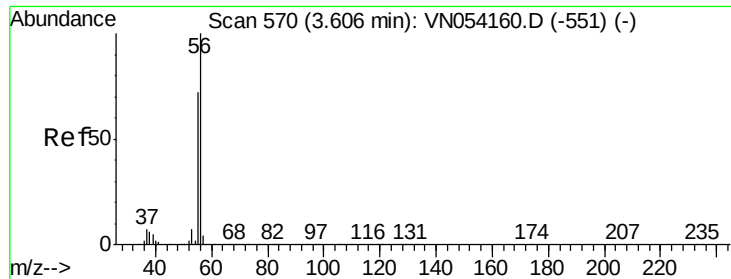
Ion Ratio Lower Upper

96 100

61 141.4 116.5 174.7

98 63.6 51.0 76.4





#13

Acrolein

Concen: 85.225 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN054358.D

Acq: 17 Mar 2019 1:53

Instrument :

MSVOA_N

ClientSampleId :

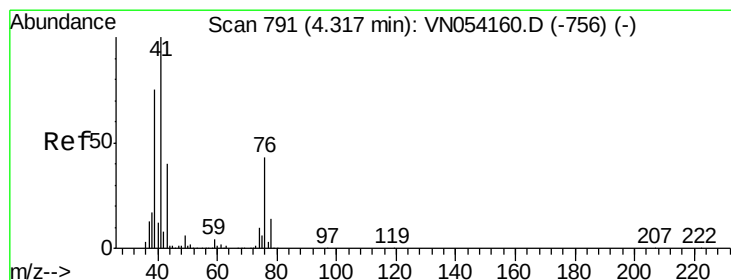
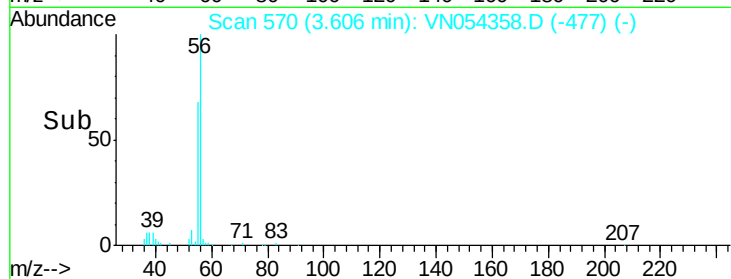
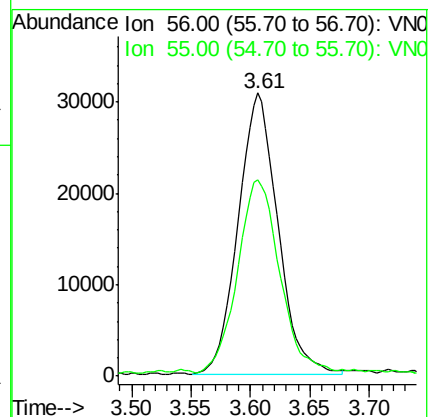
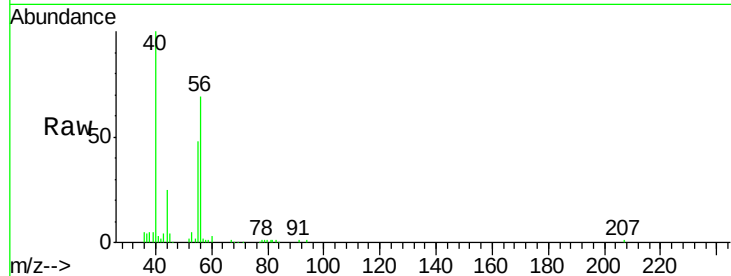
VN0316WBSD02

Tot Ion: 56 Resp: 70849

Ion Ratio Lower Upper

56 100

55 72.5 56.7 85.1



#14

Allyl chloride

Concen: 19.830 ug/l

RT: 4.31 min Scan# 790

Delta R.T. -0.00 min

Lab File: VN054358.D

Acq: 17 Mar 2019 1:53

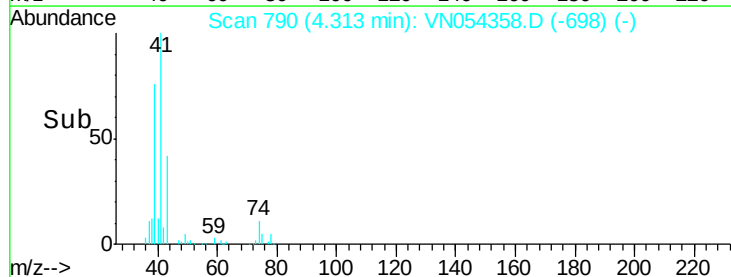
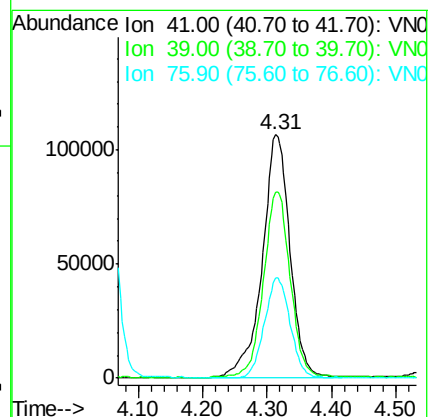
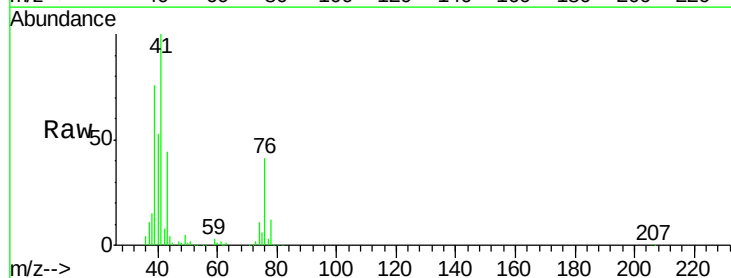
Tgt Ion: 41 Resp: 318507

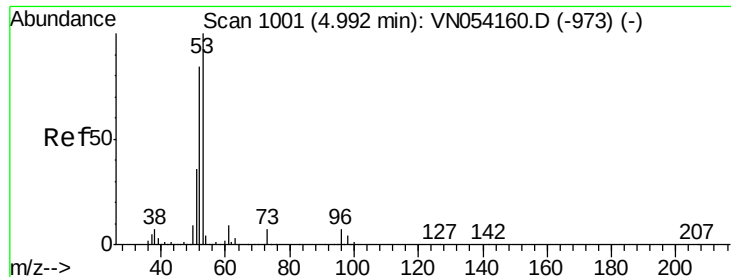
Ion Ratio Lower Upper

41 100

39 73.0 58.2 87.4

76 38.3 31.7 47.5

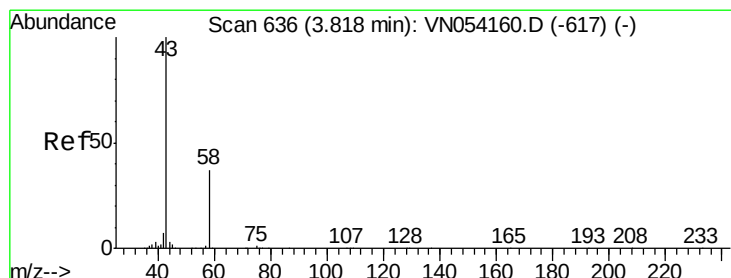
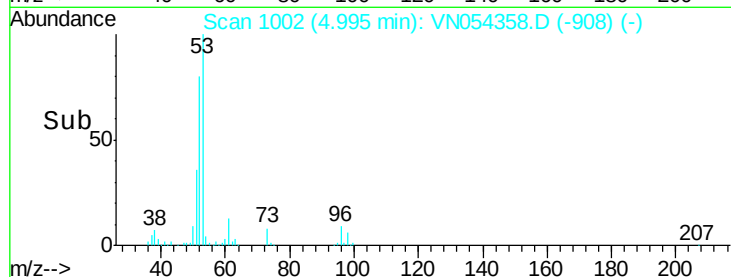
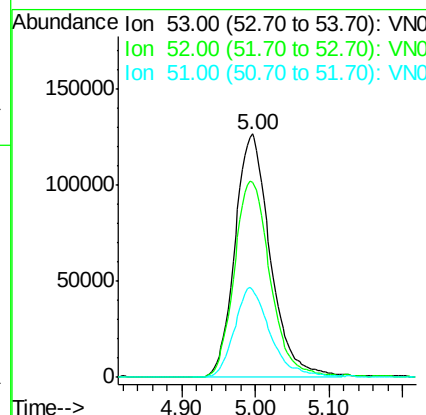
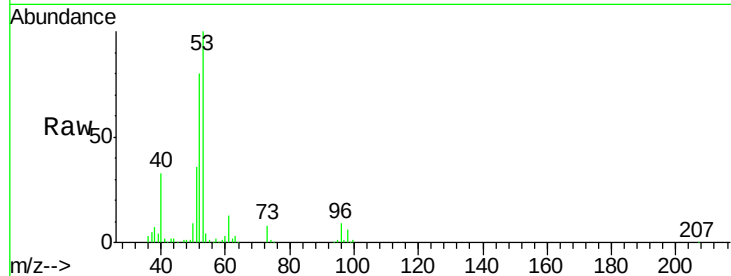




#15
 Acrylonitrile
 Concen: 117.465 ug/l
 RT: 5.00 min Scan# 1002
 Delta R.T. 0.00 min
 Lab File: VN054358.D
 Acq: 17 Mar 2019 1:53

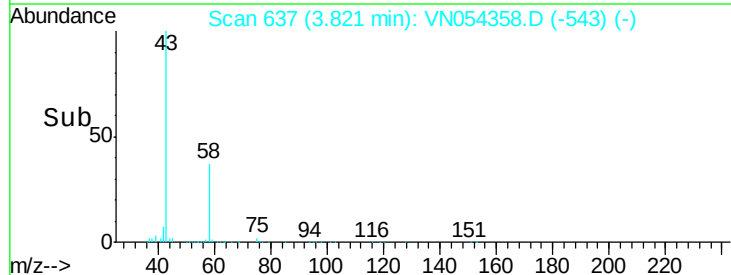
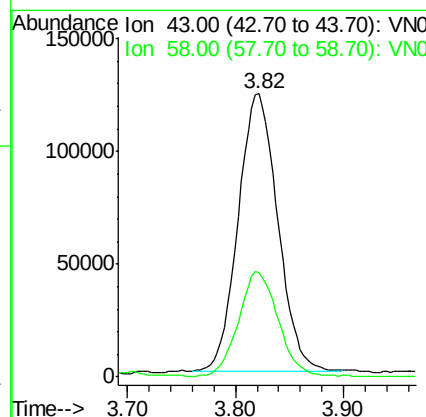
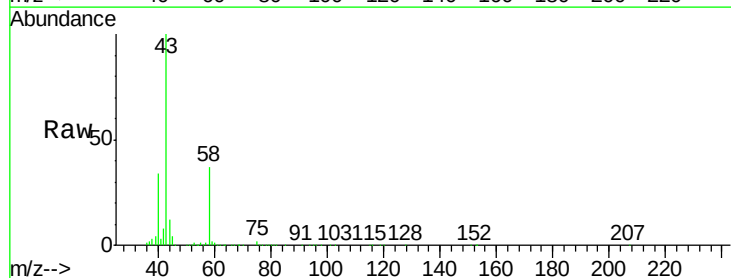
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0316WBSD02

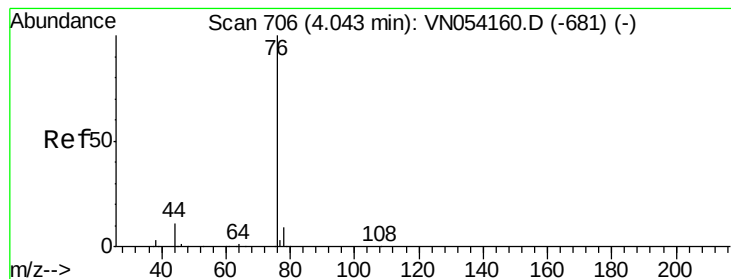
Tot Ion: 53 Resp: 423304
 Ion Ratio Lower Upper
 53 100
 52 81.9 66.4 99.6
 51 37.1 29.6 44.4



#16
 Acetone
 Concen: 85.524 ug/l
 RT: 3.82 min Scan# 637
 Delta R.T. 0.00 min
 Lab File: VN054358.D
 Acq: 17 Mar 2019 1:53

Tgt Ion: 43 Resp: 313370
 Ion Ratio Lower Upper
 43 100
 58 37.3 29.9 44.9





#17

Carbon Disulfide

Concen: 17.228 ug/l

RT: 4.04 min Scan# 705

Delta R.T. -0.00 min

Lab File: VN054358.D

Acq: 17 Mar 2019 1:53

Instrument :

MSVOA_N

ClientSampleId :

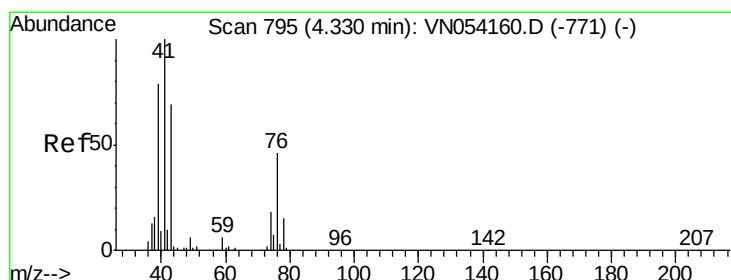
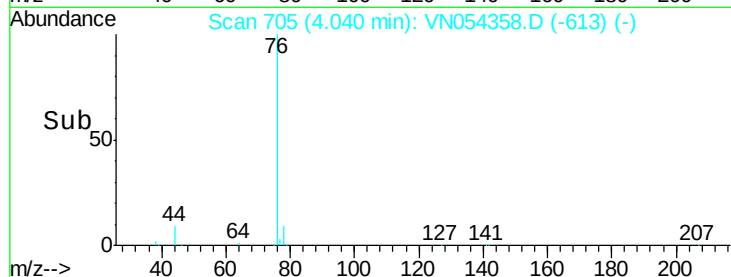
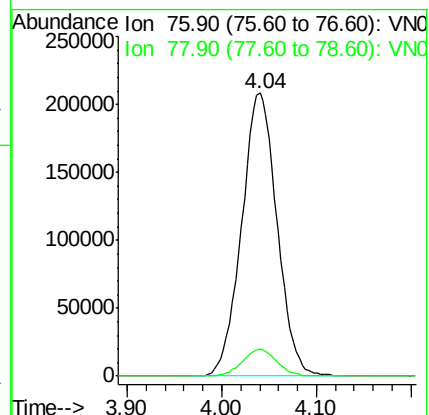
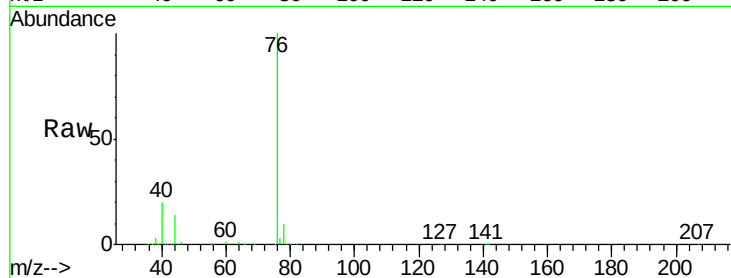
VN0316WBSD02

Tot Ion: 76 Resp: 540638

Ion Ratio Lower Upper

76 100

78 9.5 7.5 11.3



#18

Methyl Acetate

Concen: 26.567 ug/l

RT: 4.33 min Scan# 795

Delta R.T. -0.00 min

Lab File: VN054358.D

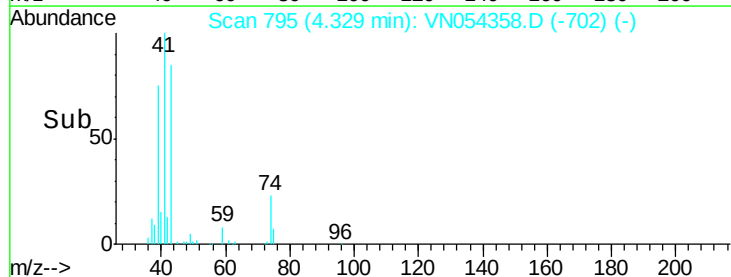
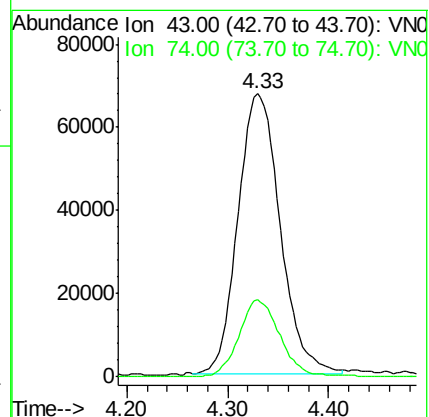
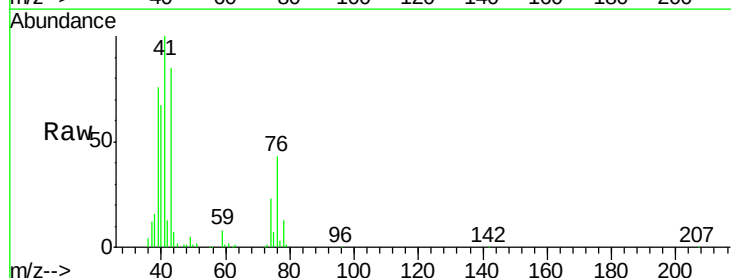
Acq: 17 Mar 2019 1:53

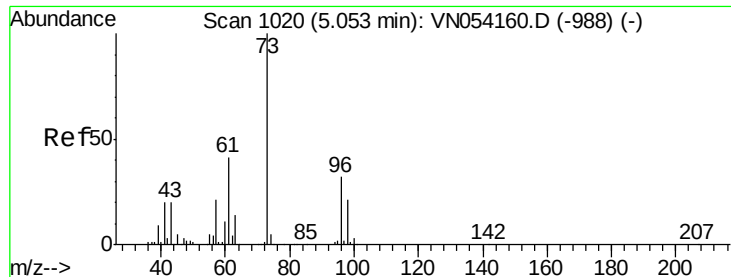
Tgt Ion: 43 Resp: 196942

Ion Ratio Lower Upper

43 100

74 26.6 20.8 31.2

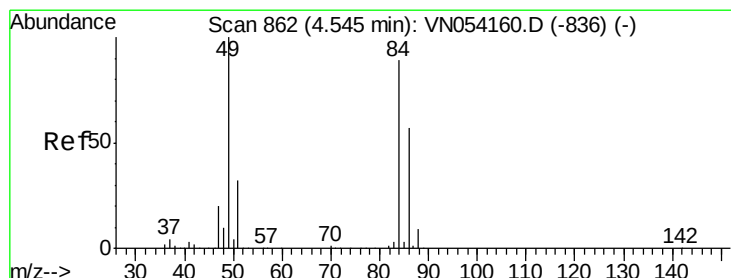
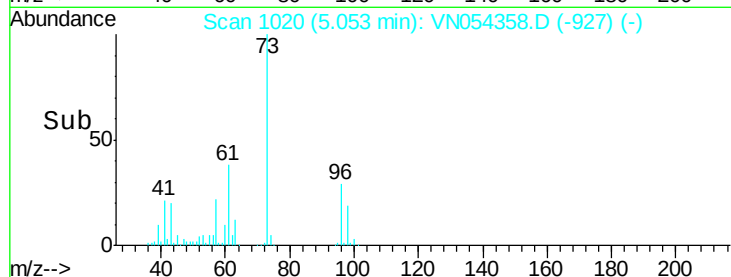
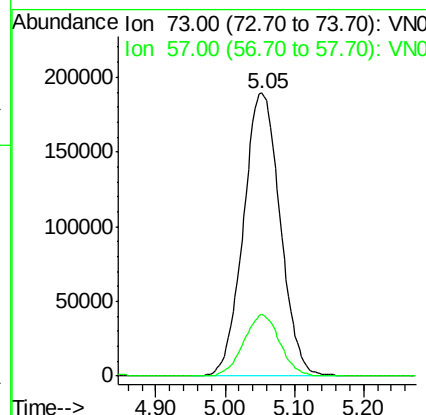
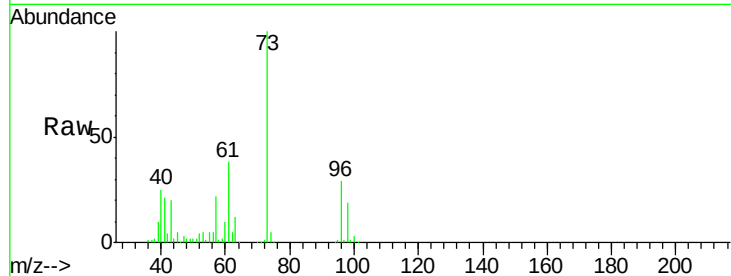




#19
Methyl tert-butyl Ether
Concen: 22.524 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VN054358.D
Acq: 17 Mar 2019 1:53

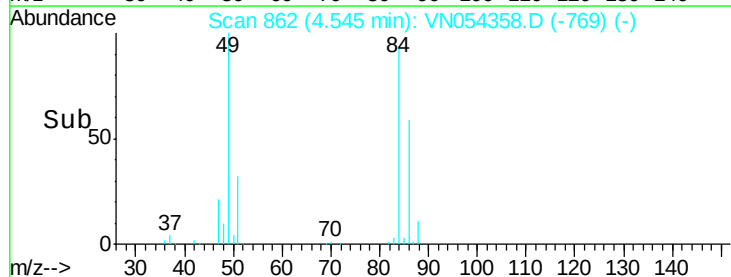
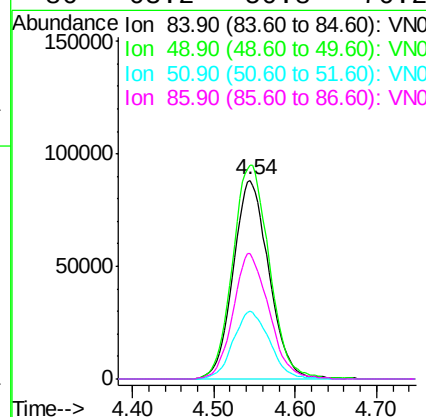
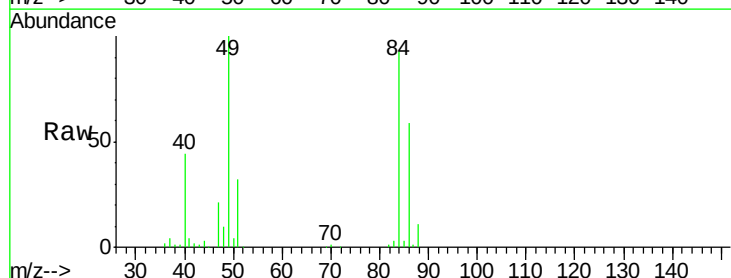
Instrument :
MSVOA_N
ClientSampleId :
VN0316WBSD02

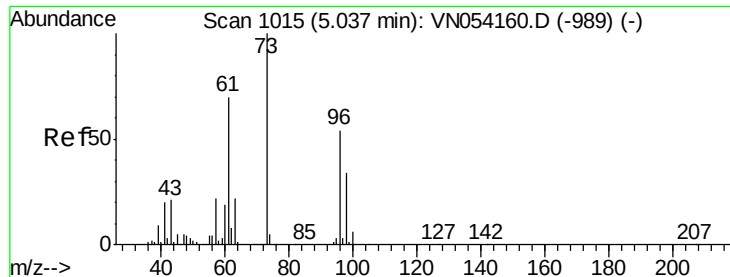
Tot Ion: 73 Resp: 698921
Ion Ratio Lower Upper
73 100
57 21.8 16.8 25.2



#20
Methylene Chloride
Concen: 22.385 ug/l
RT: 4.54 min Scan# 862
Delta R.T. -0.00 min
Lab File: VN054358.D
Acq: 17 Mar 2019 1:53

Tgt Ion: 84 Resp: 269324
Ion Ratio Lower Upper
84 100
49 107.4 89.7 134.5
51 34.4 28.2 42.4
86 63.2 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 20.697 ug/l

RT: 5.03 min Scan# 1014

Delta R.T. -0.00 min

Lab File: VN054358.D

Acq: 17 Mar 2019 1:53

Instrument :

MSVOA_N

ClientSampleId :

VN0316WBSD02

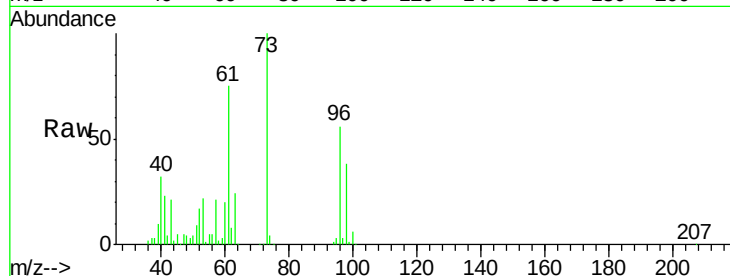
Tot Ion: 96 Resp: 248246

Ion Ratio Lower Upper

96 100

61 133.2 102.8 154.2

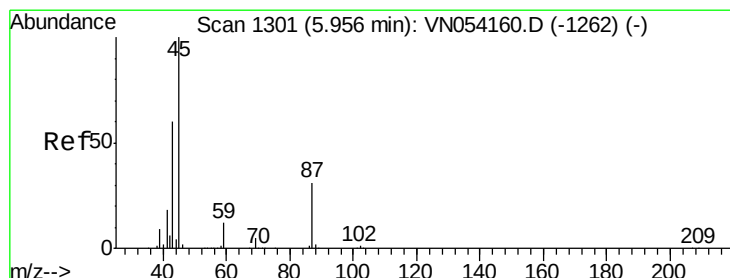
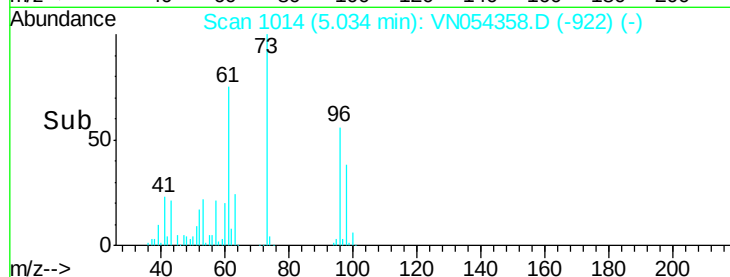
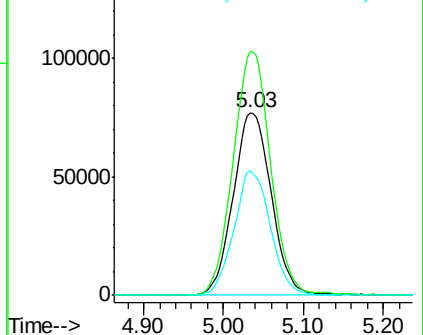
98 68.2 50.0 75.0



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 22.287 ug/l

RT: 5.96 min Scan# 1301

Delta R.T. -0.00 min

Lab File: VN054358.D

Acq: 17 Mar 2019 1:53

Tgt Ion: 45 Resp: 714429

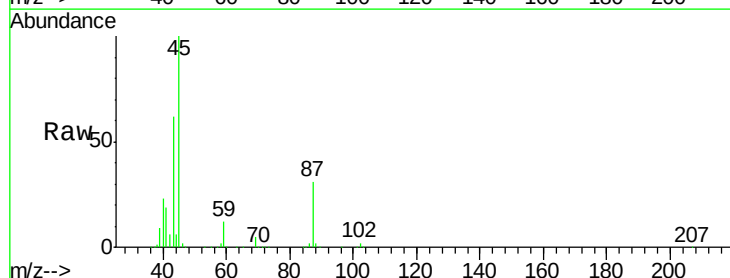
Ion Ratio Lower Upper

45 100

43 59.0 48.2 72.2

87 30.6 24.9 37.3

59 11.8 9.5 14.3

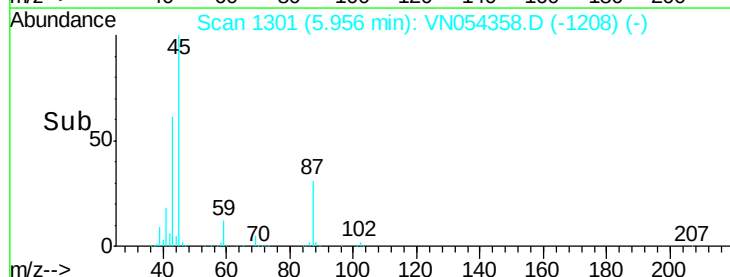
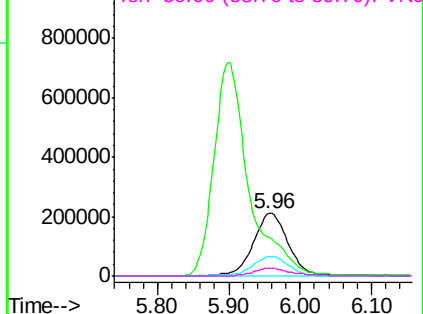


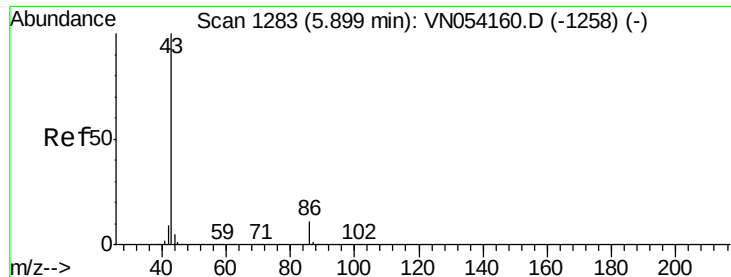
Abundance Ion 45.00 (44.70 to 45.70): VN0

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: 104.476 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VN054358.D

Acq: 17 Mar 2019 1:53

Instrument :

MSVOA_N

ClientSampleId :

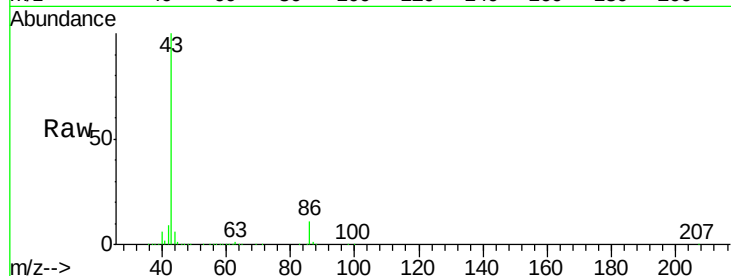
VN0316WBSD02

Tot Ion: 43 Resp: 2469331

Ion Ratio Lower Upper

43 100

86 11.4 9.1 13.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.90

800000

600000

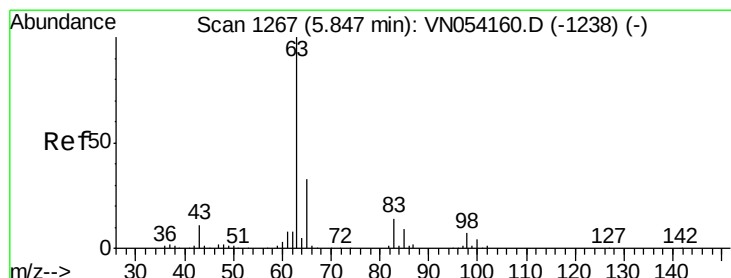
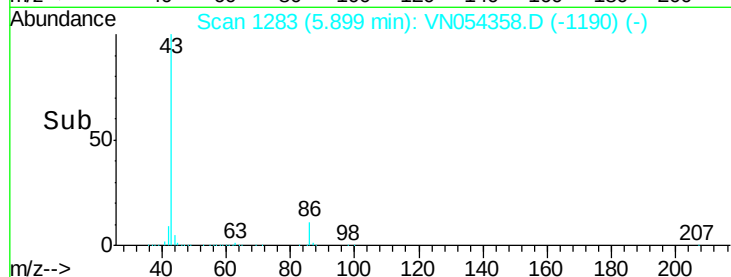
400000

200000

0

Time-->

5.80 5.90 6.00



#24

1,1-Dichloroethane

Concen: 22.235 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. -0.00 min

Lab File: VN054358.D

Acq: 17 Mar 2019 1:53

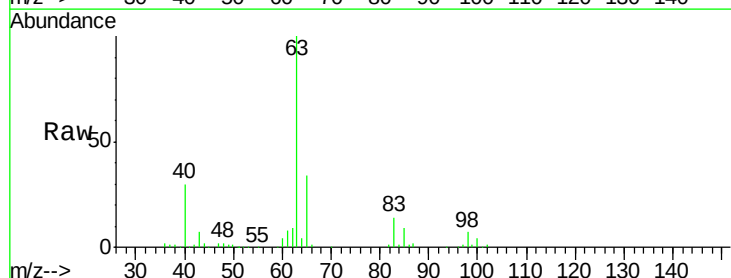
Tgt Ion: 63 Resp: 457668

Ion Ratio Lower Upper

63 100

98 7.1 3.5 10.5

100 4.0 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

150000

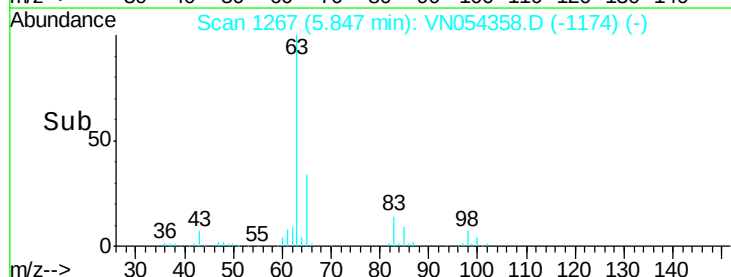
100000

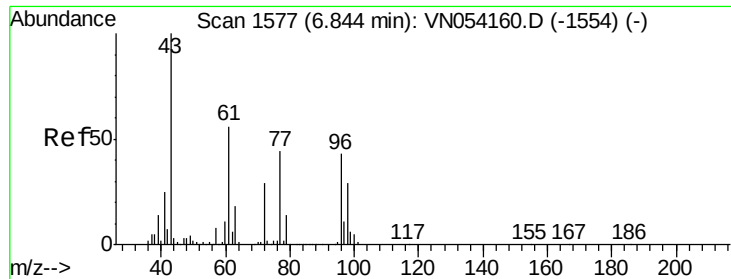
50000

0

Time-->

5.70 5.80 5.90 6.00

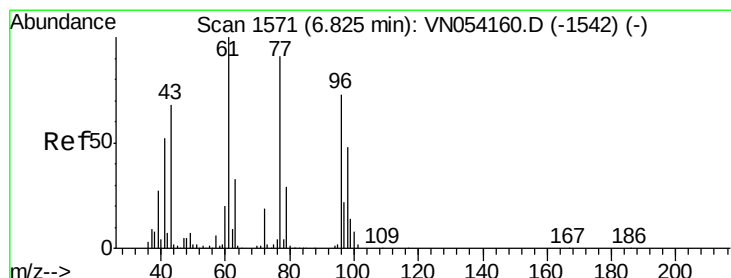
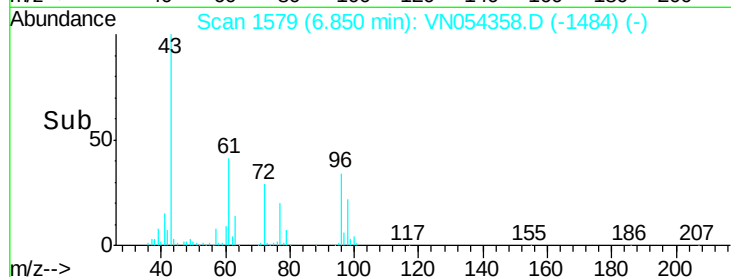
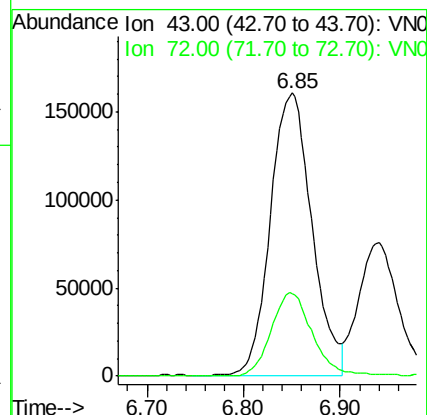
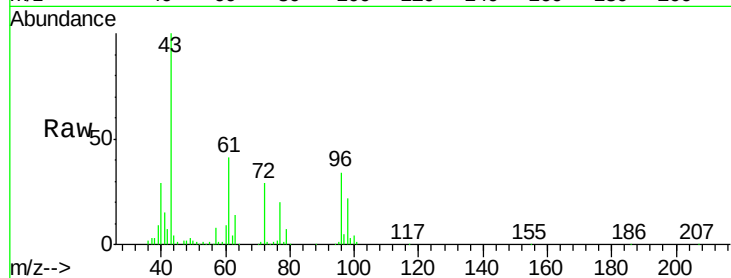




#25
2-Butanone
Concen: 111.103 ug/l
RT: 6.85 min Scan# 1579
Delta R.T. 0.01 min
Lab File: VN054358.D
Acq: 17 Mar 2019 1:53

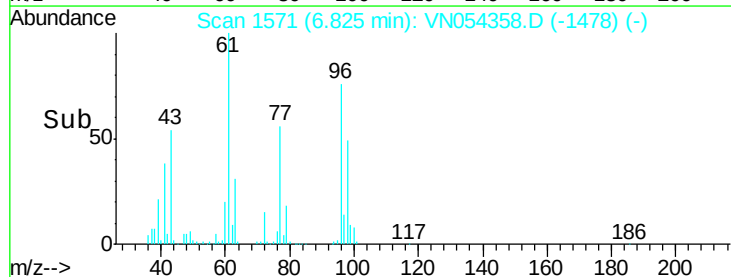
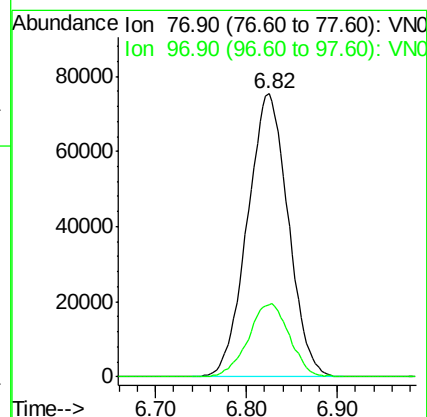
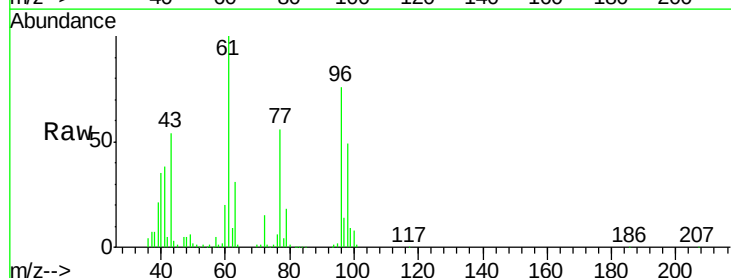
Instrument :
MSVOA_N
ClientSampleId :
VN0316WBSD02

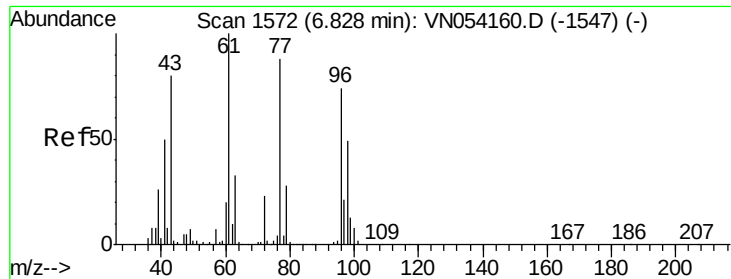
Tot Ion: 43 Resp: 477802
Ion Ratio Lower Upper
43 100
72 29.4 23.0 34.6



#26
2,2-Dichloropropane
Concen: 12.977 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. -0.00 min
Lab File: VN054358.D
Acq: 17 Mar 2019 1:53

Tgt Ion: 77 Resp: 234884
Ion Ratio Lower Upper
77 100
97 25.9 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 22.364 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN054358.D

Acq: 17 Mar 2019 1:53

Instrument :

MSVOA_N

ClientSampleId :

VN0316WBSD02

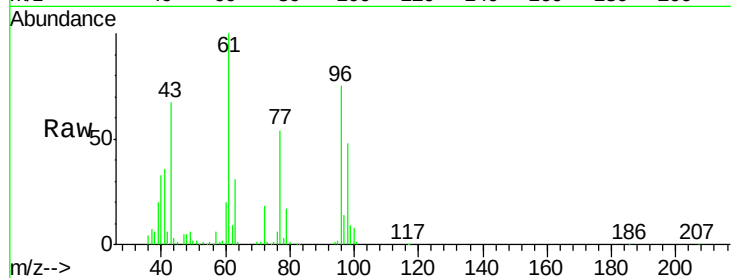
Tot Ion: 96 Resp: 299259

Ion Ratio Lower Upper

96 100

61 129.0 0.0 273.0

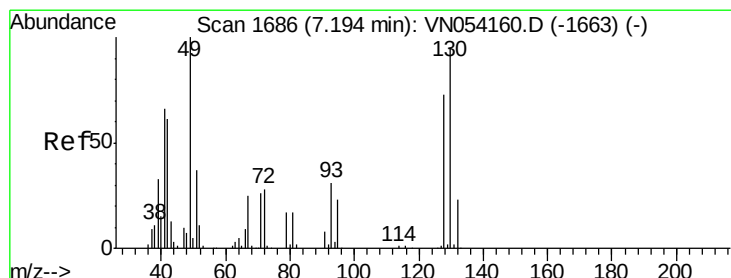
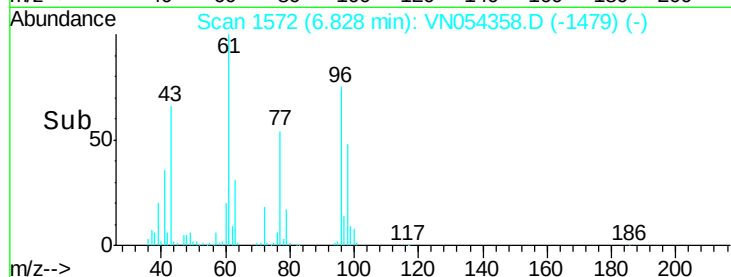
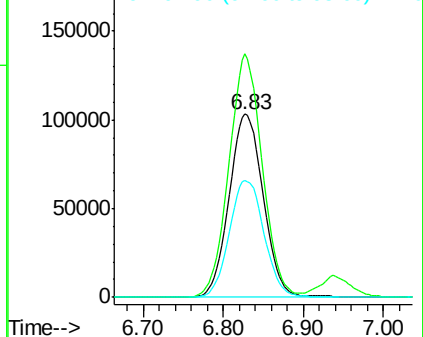
98 64.8 0.0 130.6



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 20.499 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN054358.D

Acq: 17 Mar 2019 1:53

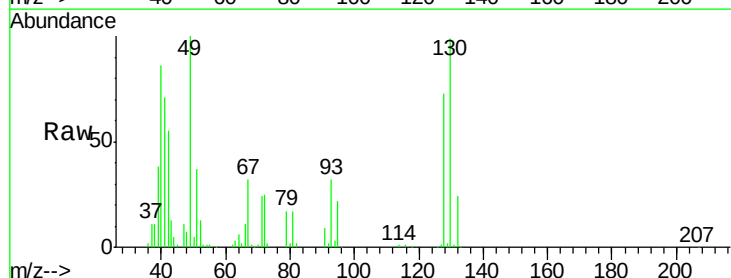
Tgt Ion: 49 Resp: 172489

Ion Ratio Lower Upper

49 100

129 2.3 0.0 4.6

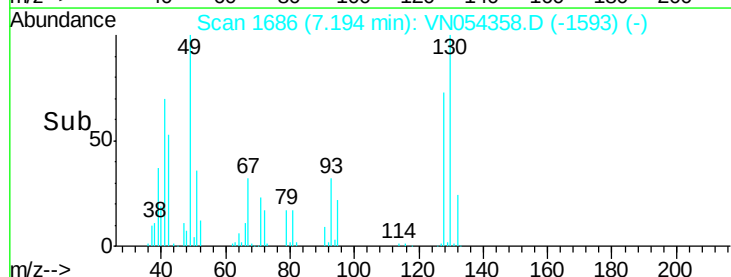
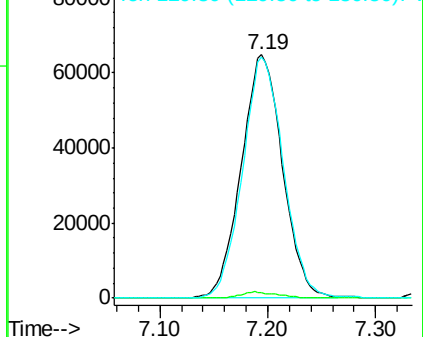
130 97.9 76.7 115.1

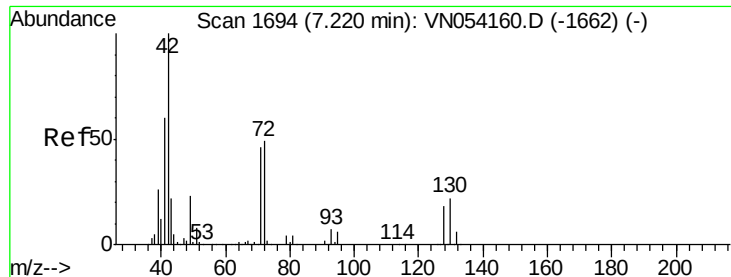


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

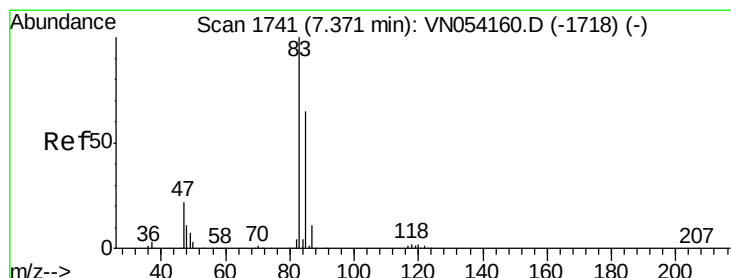
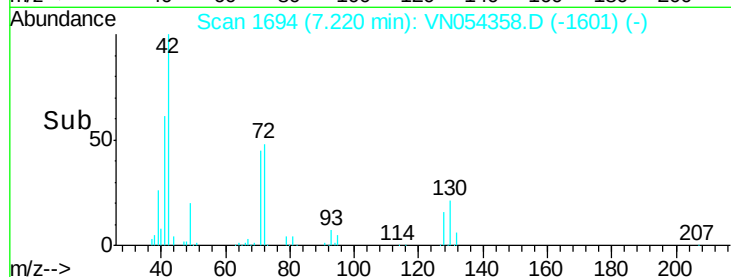
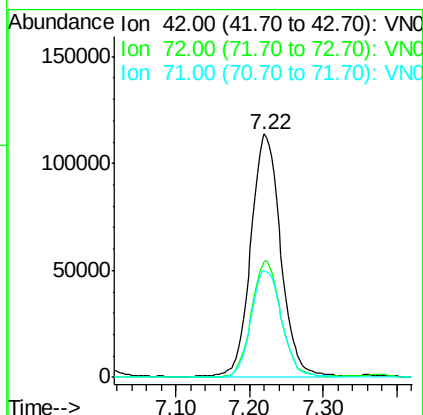
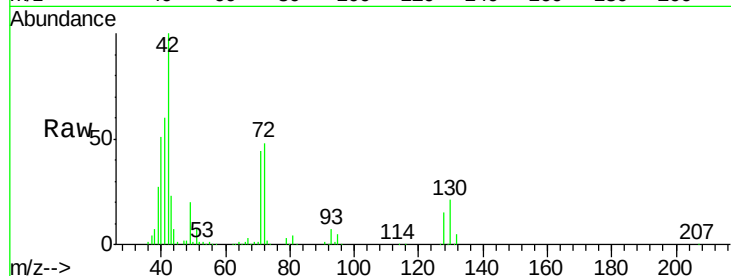




#29
Tetrahydrofuran
Concen: 116.006 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. -0.00 min
Lab File: VN054358.D
Acq: 17 Mar 2019 1:53

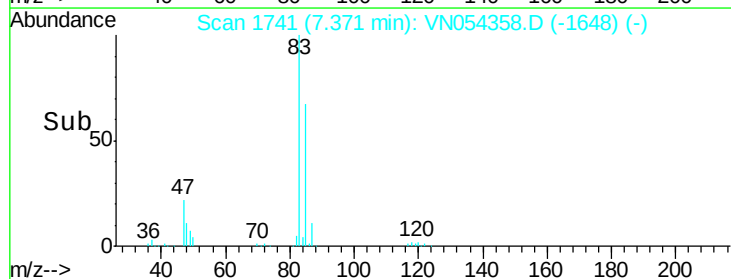
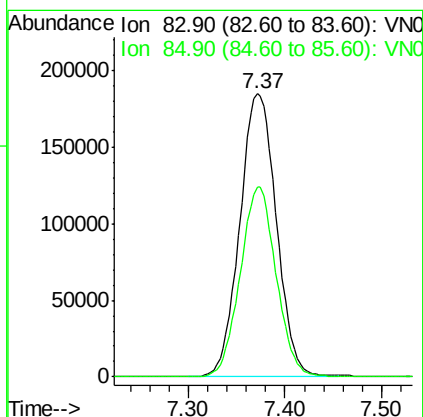
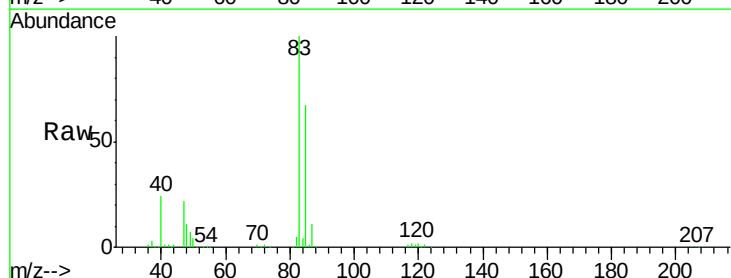
Instrument :
MSVOA_N
ClientSampleId :
VN0316WBSD02

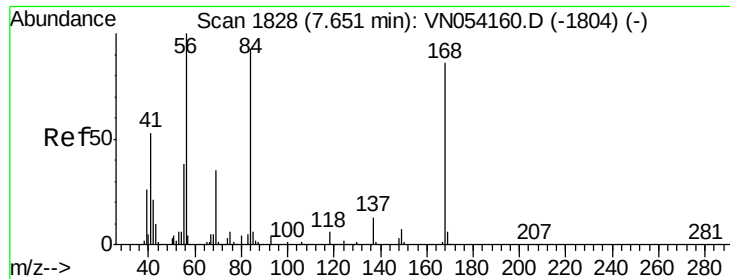
Tot Ion: 42 Resp: 320766
Ion Ratio Lower Upper
42 100
72 47.3 37.8 56.6
71 44.9 36.2 54.2



#30
Chloroform
Concen: 22.612 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN054358.D
Acq: 17 Mar 2019 1:53

Tgt Ion: 83 Resp: 485658
Ion Ratio Lower Upper
83 100
85 67.1 52.2 78.4

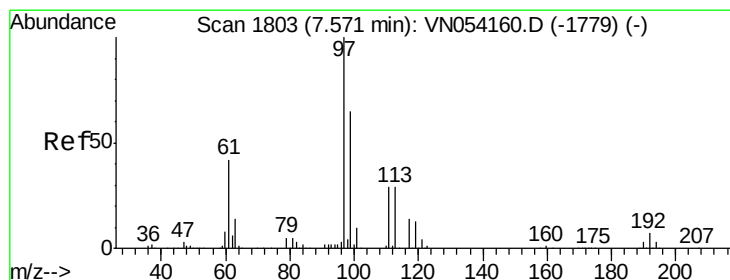
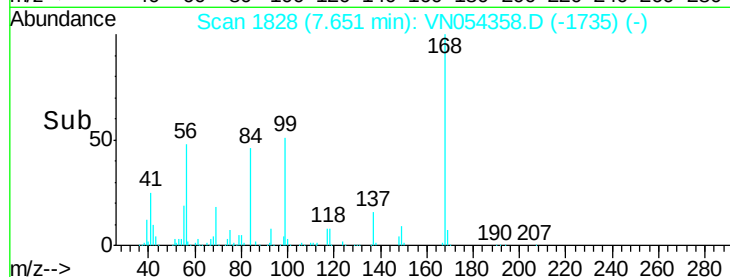
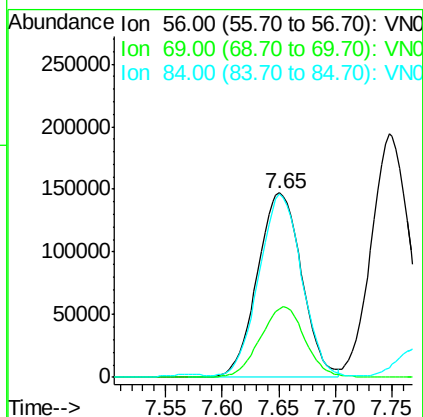
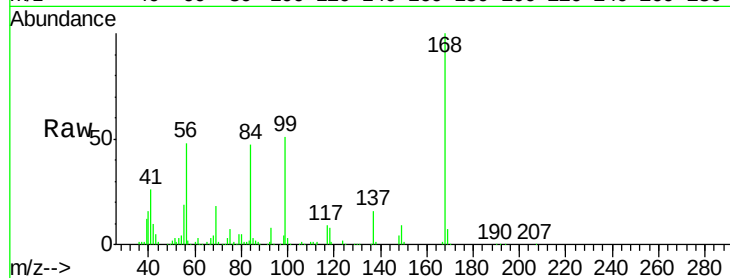




#31
Cyclohexane
Concen: 20.033 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. -0.00 min
Lab File: VN054358.D
Acq: 17 Mar 2019 1:53

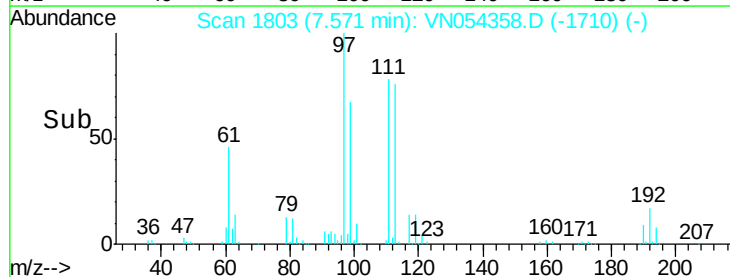
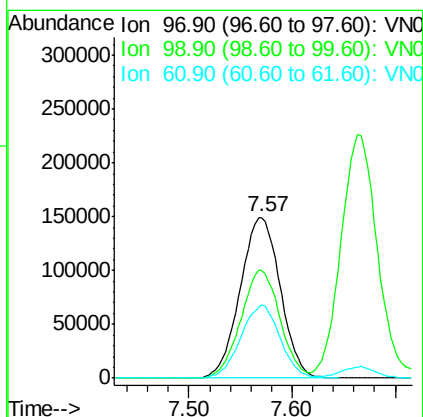
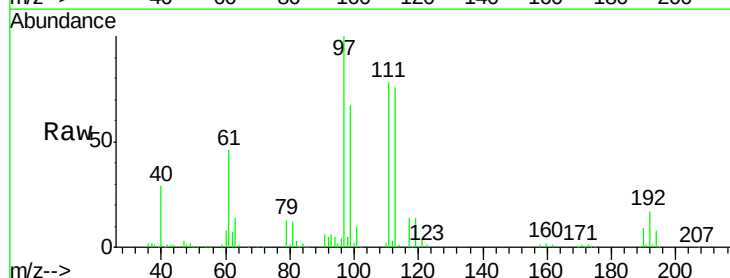
Instrument :
MSVOA_N
ClientSampled :
VN0316WBSD02

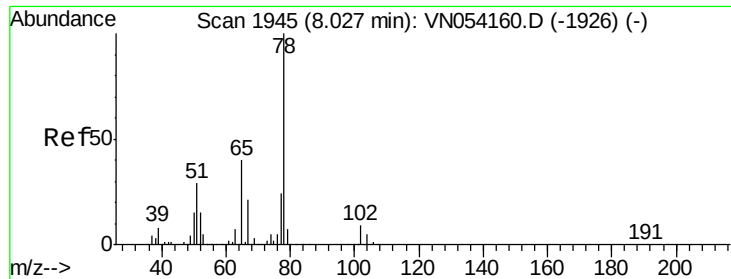
Tot Ion: 56 Resp: 399653
Ion Ratio Lower Upper
56 100
69 37.4 27.8 41.6
84 97.5 74.6 111.8



#32
1,1,1-Trichloroethane
Concen: 20.824 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VN054358.D
Acq: 17 Mar 2019 1:53

Tgt Ion: 97 Resp: 403927
Ion Ratio Lower Upper
97 100
99 65.2 51.5 77.3
61 44.4 33.6 50.4

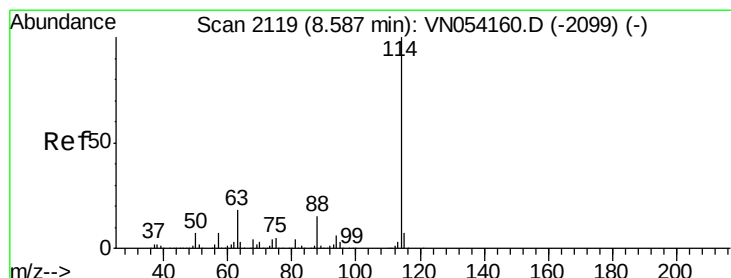
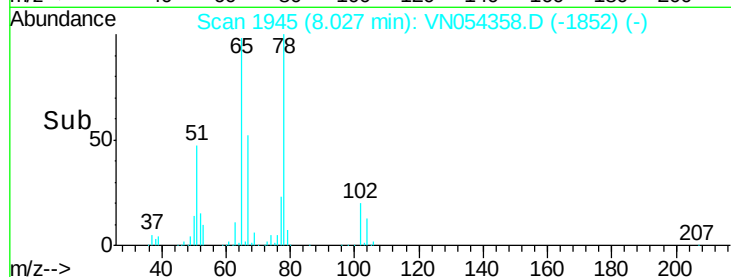
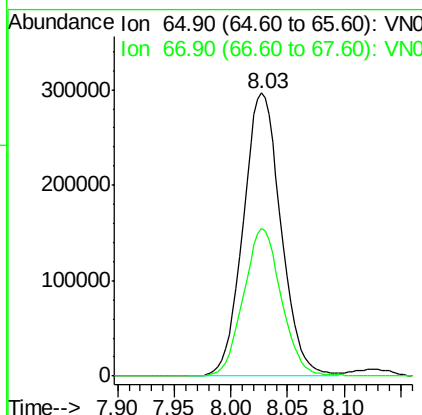
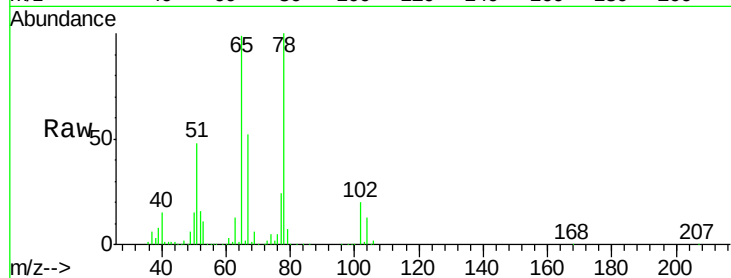




#33
 1,2-Dichloroethane-d4
 Concen: 53.818 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN054358.D
 Acq: 17 Mar 2019 1:53

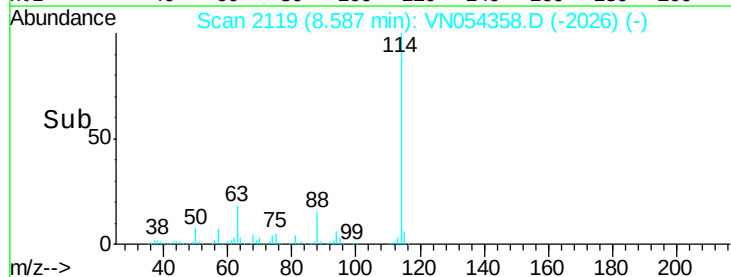
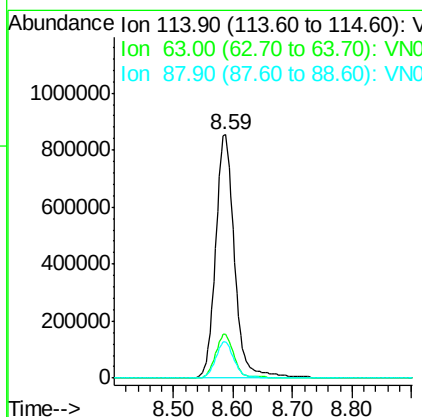
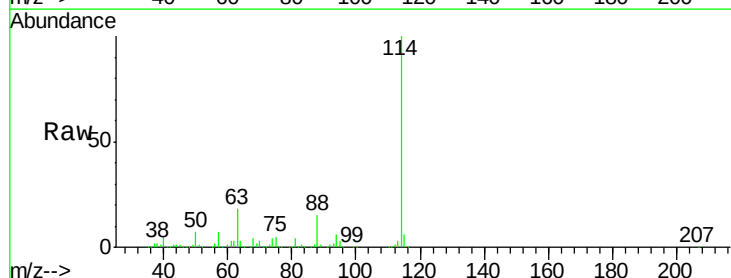
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0316WBSD02

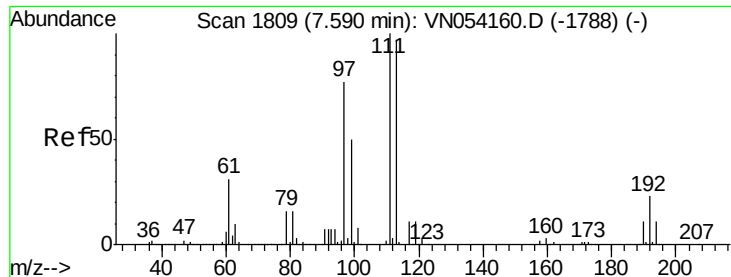
Tot Ion: 65 Resp: 688709
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN054358.D
 Acq: 17 Mar 2019 1:53

Tgt Ion: 114 Resp: 1882123
 Ion Ratio Lower Upper
 114 100
 63 18.0 0.0 35.2
 88 14.9 0.0 30.2

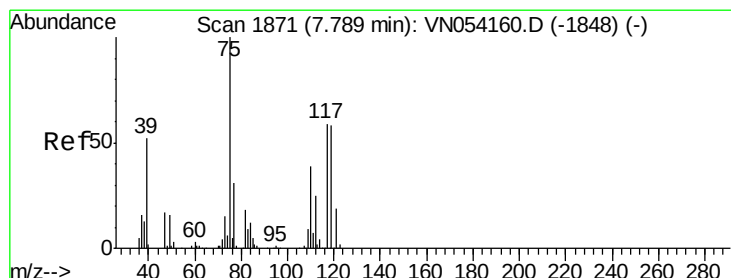
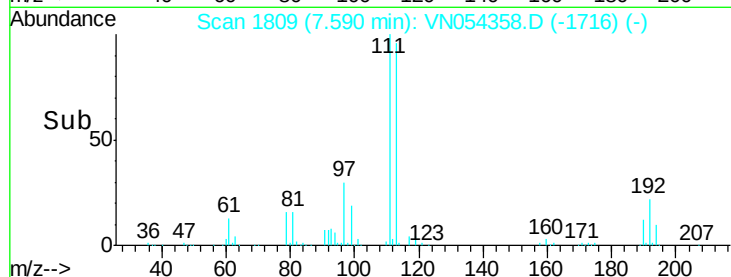
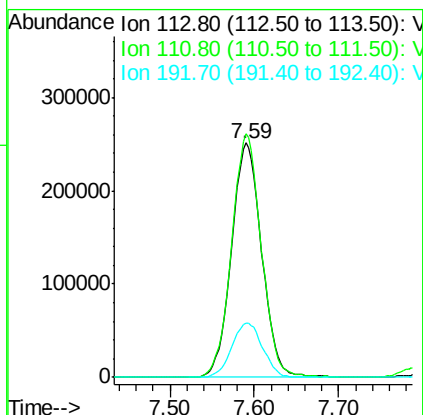
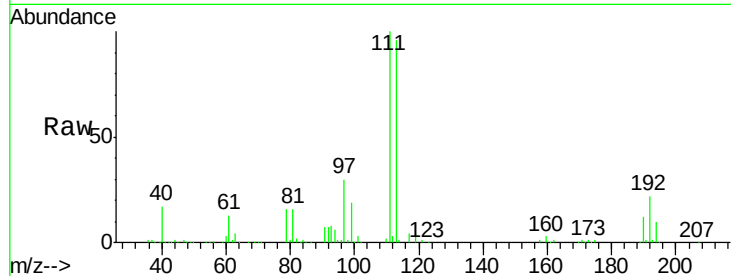




#35
 Dibromofluoromethane
 Concen: 51.546 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN054358.D
 Acq: 17 Mar 2019 1:53

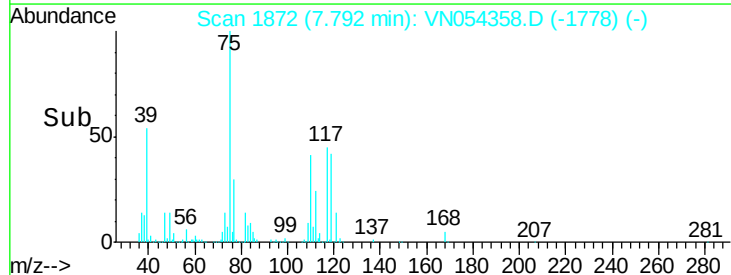
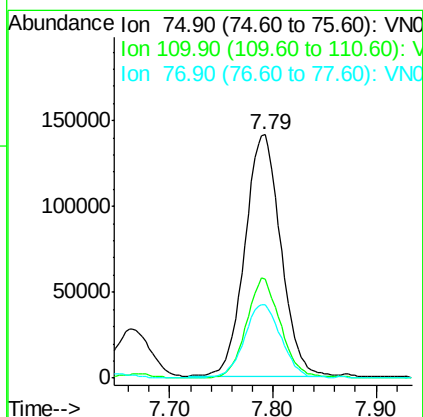
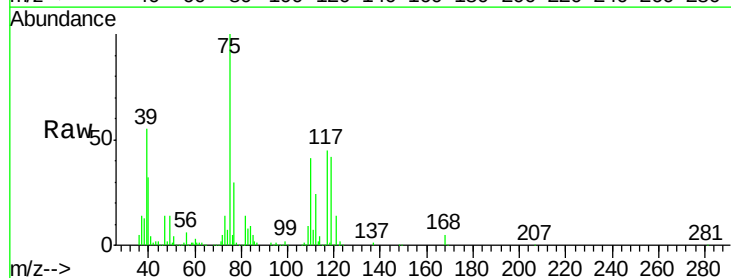
Instrument :
 MSVOA_N
 ClientSampled :
 VN0316WBSD02

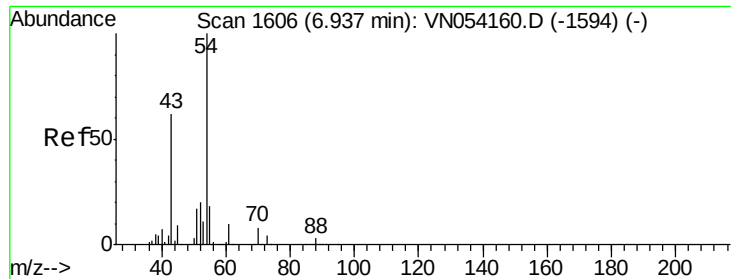
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.1	82.2	123.4
192	23.8	19.2	28.8



#36
 1,1-Dichloropropene
 Concen: 19.648 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN054358.D
 Acq: 17 Mar 2019 1:53

Tgt Ion	Ratio	Lower	Upper
75	100		
110	39.8	19.1	57.5
77	31.4	25.0	37.4

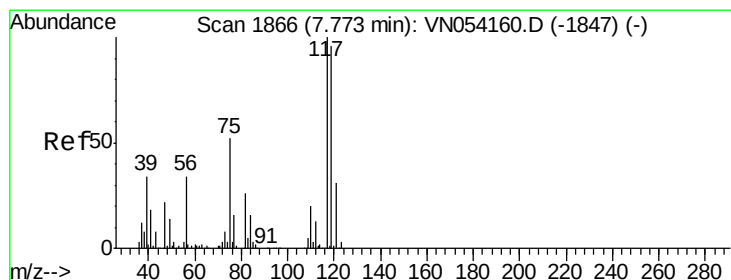
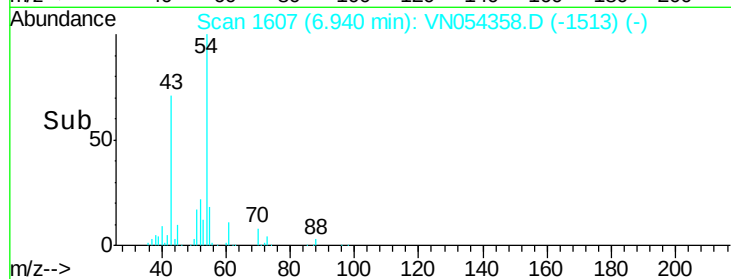
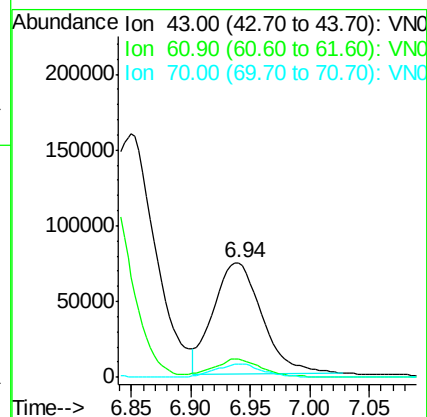
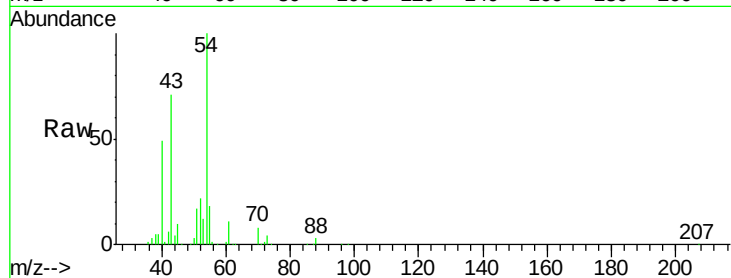




#37
Ethyl Acetate
Concen: 21.151 ug/l
RT: 6.94 min Scan# 1607
Delta R.T. 0.00 min
Lab File: VN054358.D
Acq: 17 Mar 2019 1:53

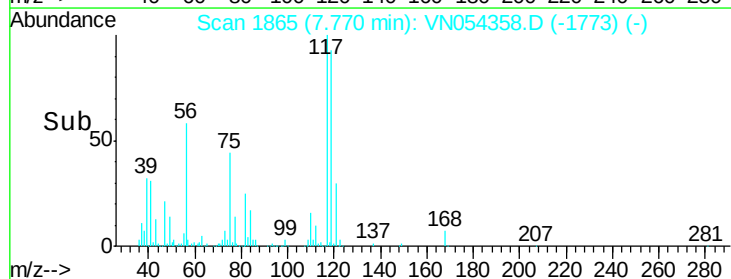
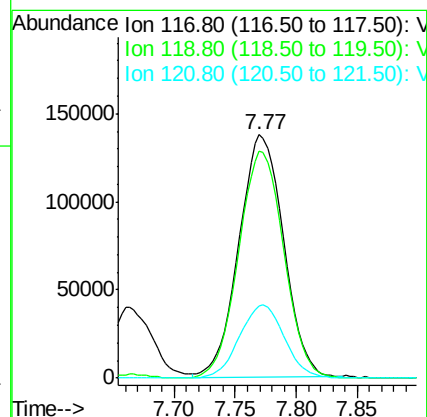
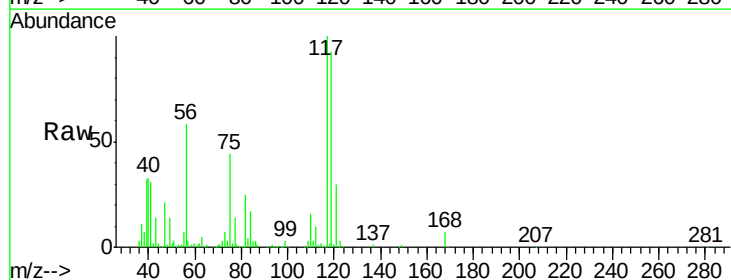
Instrument :
MSVOA_N
ClientSampleId :
VN0316WBSD02

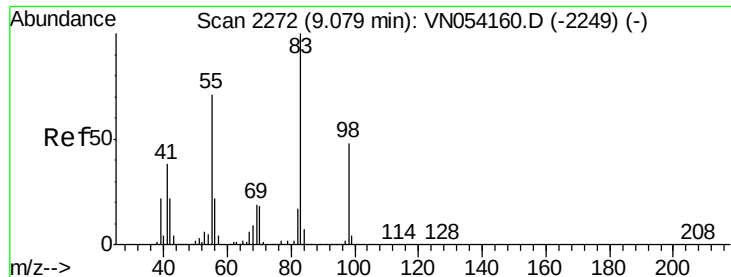
Tot Ion: 43 Resp: 210650
Ion Ratio Lower Upper
43 100
61 15.5 11.8 17.6
70 11.7 8.4 12.6



#38
Carbon Tetrachloride
Concen: 19.187 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN054358.D
Acq: 17 Mar 2019 1:53

Tgt Ion: 117 Resp: 348761
Ion Ratio Lower Upper
117 100
119 93.5 76.3 114.5
121 29.7 24.6 36.8

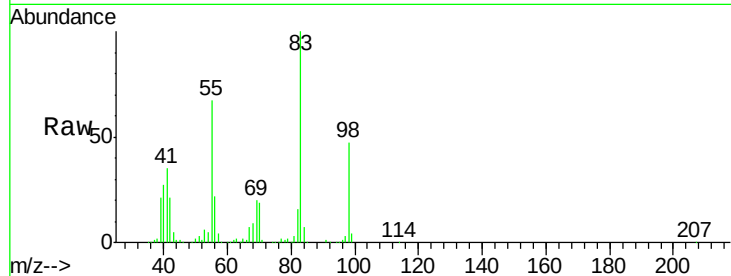




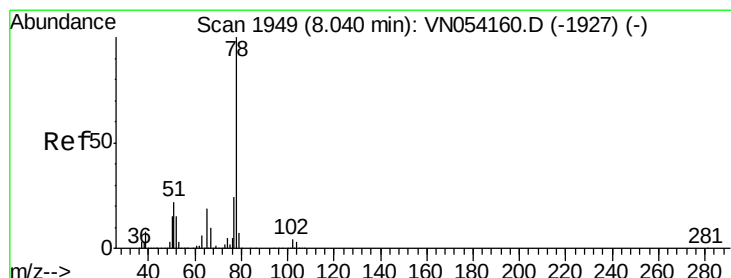
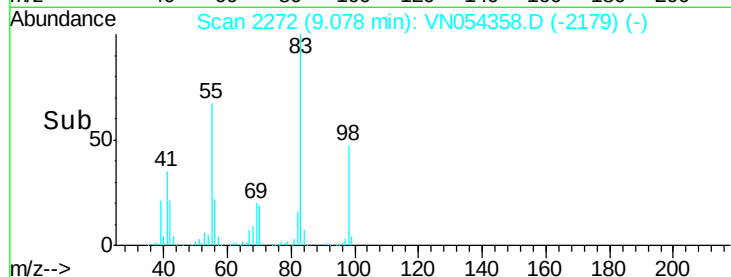
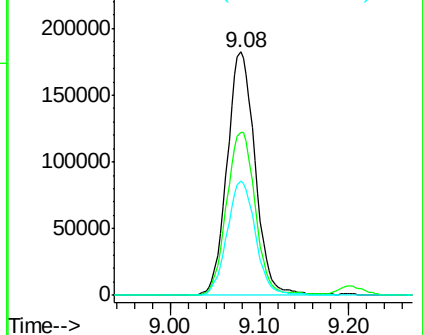
#39
Methylvlcyclohexane
Concen: 18.679 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN054358.D
Acq: 17 Mar 2019 1:53

Instrument :
MSVOA_N
ClientSampleId :
VN0316WBSD02

Tot Ion: 83 Resp: 398344
Ion Ratio Lower Upper
83 100
55 67.0 56.6 84.8
98 46.9 38.4 57.6

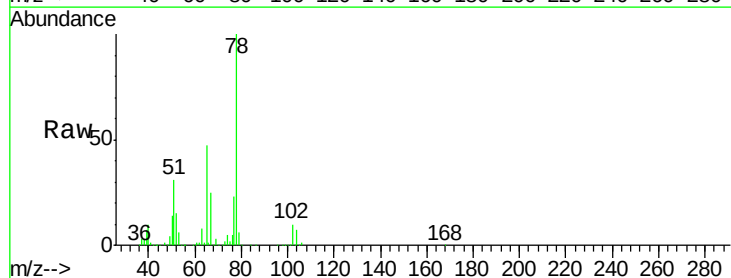


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

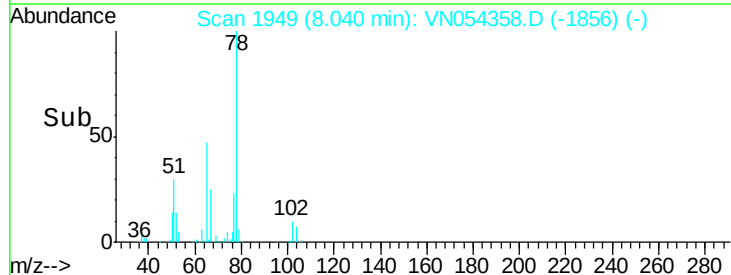
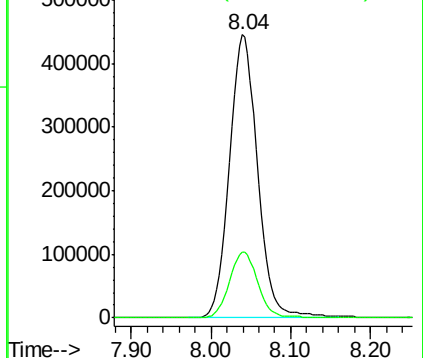


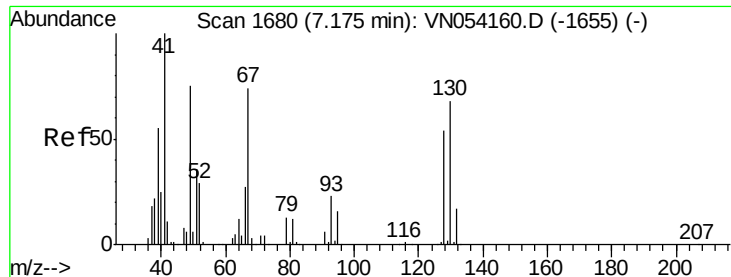
#40
Benzene
Concen: 21.421 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN054358.D
Acq: 17 Mar 2019 1:53

Tgt Ion: 78 Resp: 1062490
Ion Ratio Lower Upper
78 100
77 23.2 19.1 28.7



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

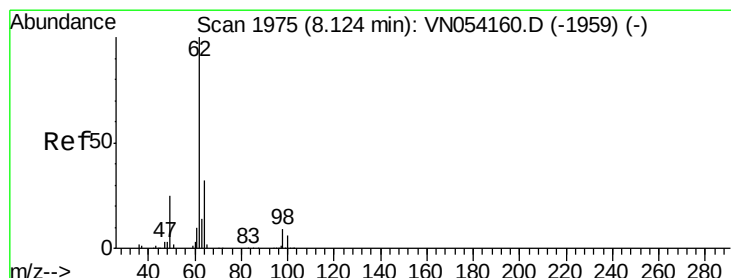
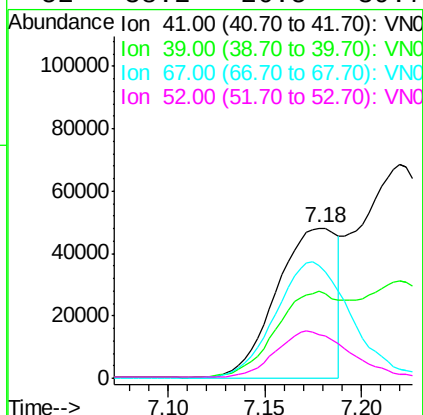
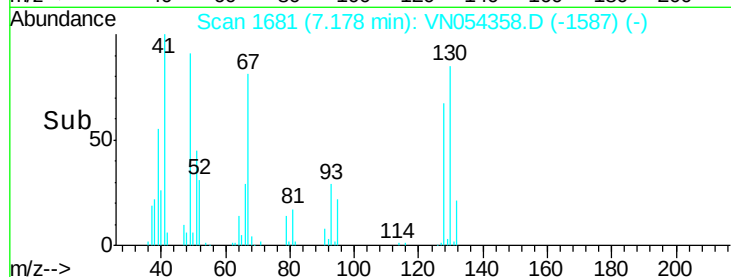
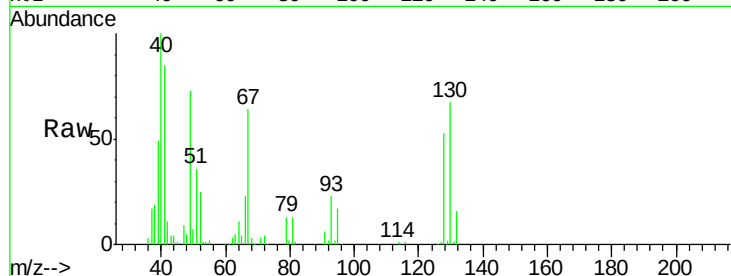




#41
Methacrylonitrile
Concen: 18.323 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN054358.D
Acq: 17 Mar 2019 1:53

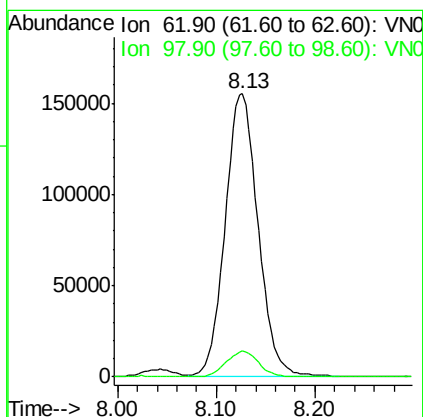
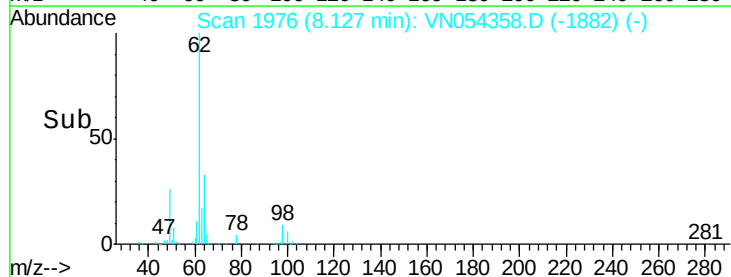
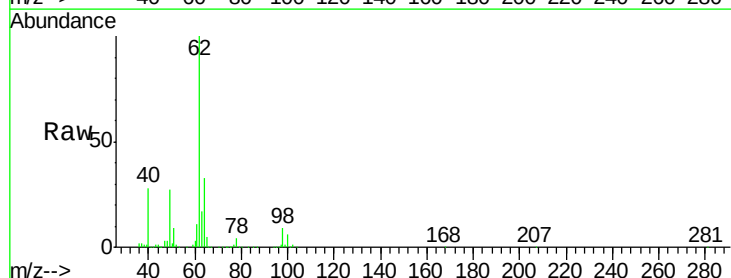
Instrument :
MSVOA_N
ClientSampleId :
VN0316WBSD02

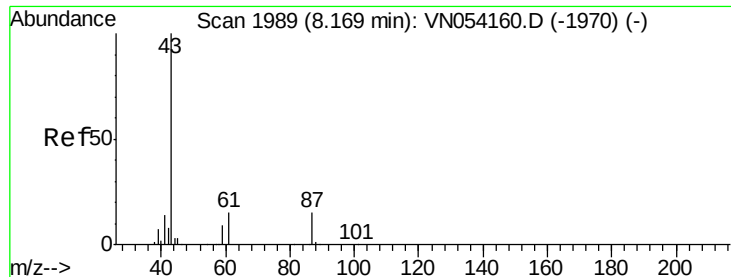
Tot Ion:	41	Resp:	104194
Ion	Ratio	Lower	Upper
41	100		
39	65.2	46.8	70.2
67	99.7	67.0	100.4
52	38.2	26.5	39.7



#42
1,2-Dichloroethane
Concen: 21.441 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN054358.D
Acq: 17 Mar 2019 1:53

Tgt Ion:	62	Resp:	359034
Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	18.4





#43

Isopropyl Acetate

Concen: 20.051 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. -0.00 min

Lab File: VN054358.D

Acq: 17 Mar 2019 1:53

Instrument :

MSVOA_N

ClientSampleId :

VN0316WBSD02

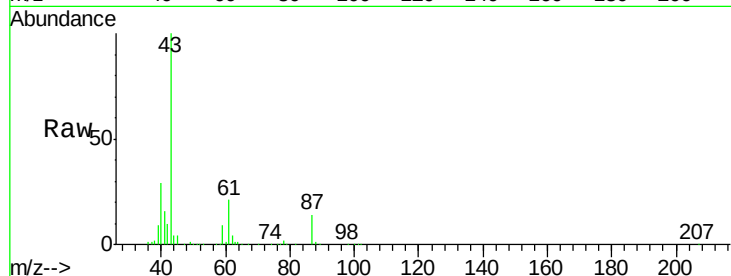
Tot Ion: 43 Resp: 350506

Ion Ratio Lower Upper

43 100

61 21.4 15.8 23.8

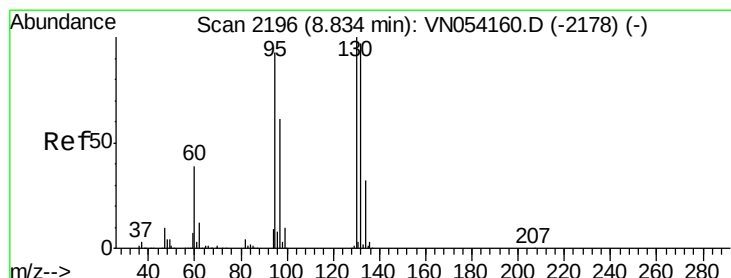
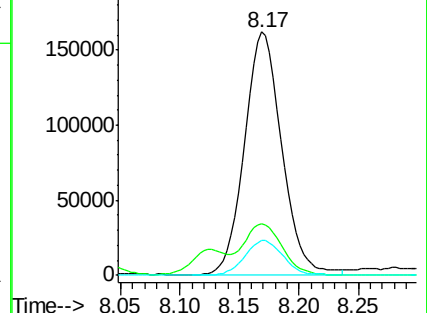
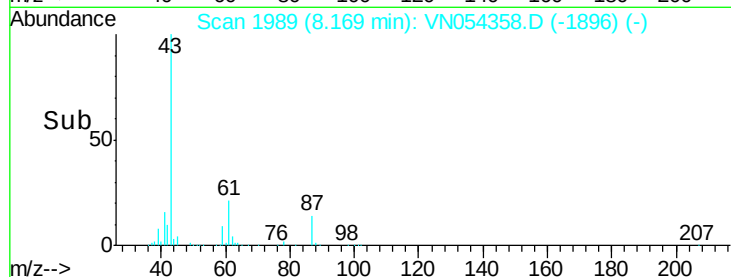
87 15.0 12.0 18.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#44

Trichloroethene

Concen: 20.602 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN054358.D

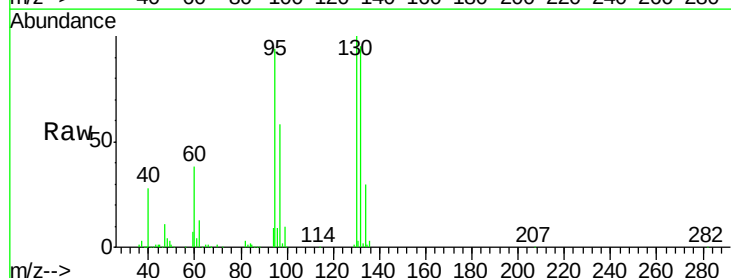
Acq: 17 Mar 2019 1:53

Tgt Ion:130 Resp: 317439

Ion Ratio Lower Upper

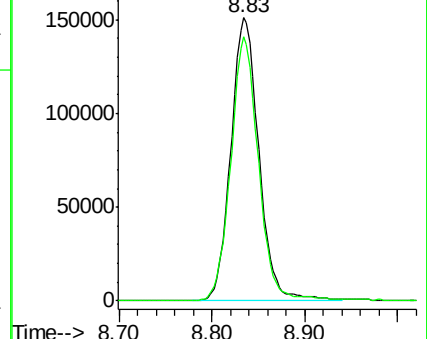
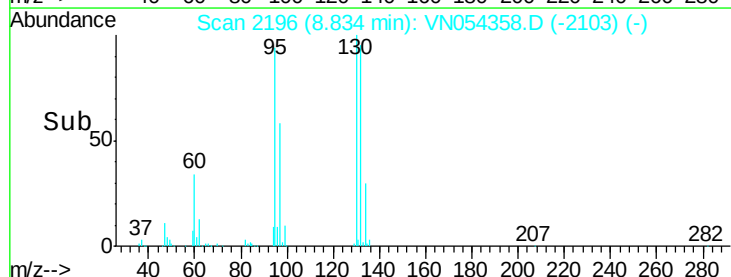
130 100

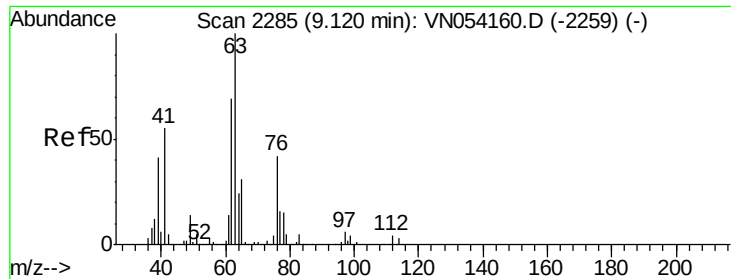
95 93.4 0.0 185.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0





#45

1,2-Dichloropropane

Concen: 21.883 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. -0.00 min

Lab File: VN054358.D

Acq: 17 Mar 2019 1:53

Instrument :

MSVOA_N

ClientSampleId :

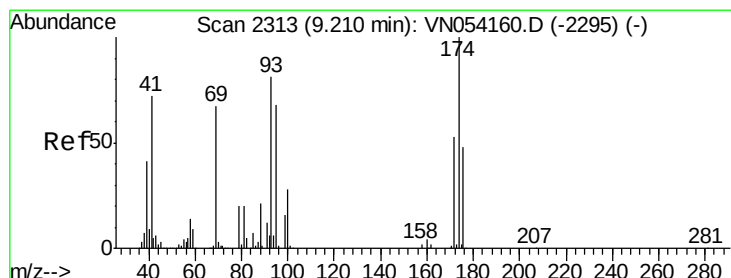
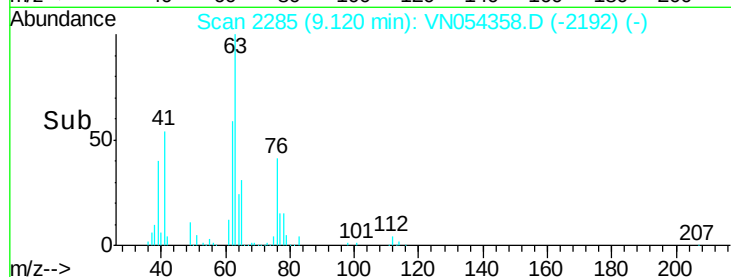
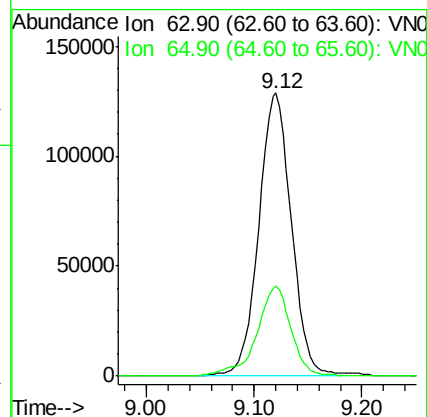
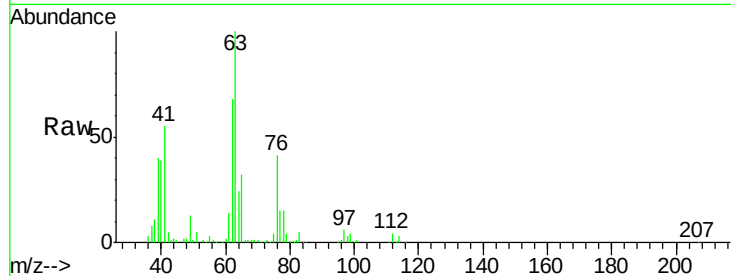
VN0316WBSD02

Tot Ion: 63 Resp: 269511

Ion Ratio Lower Upper

63 100

65 31.7 25.0 37.6



#46

Dibromomethane

Concen: 21.598 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN054358.D

Acq: 17 Mar 2019 1:53

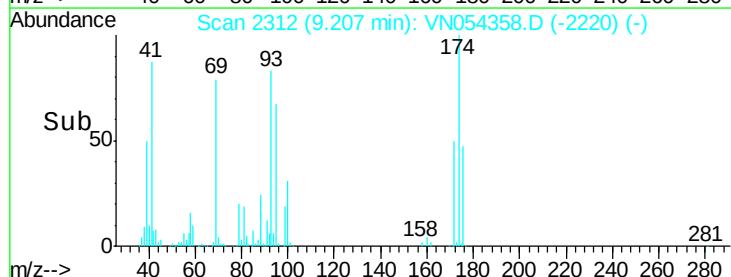
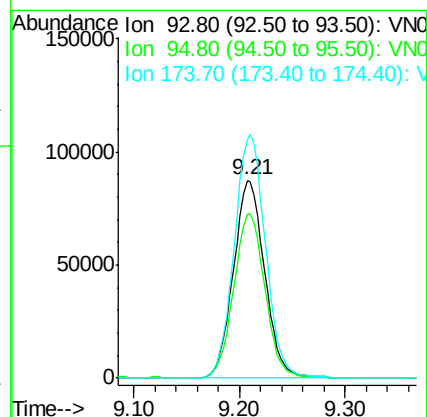
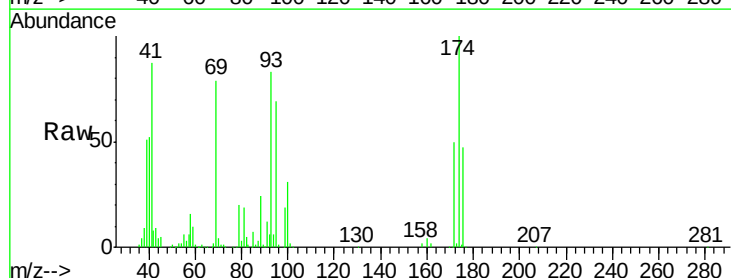
Tgt Ion: 93 Resp: 179728

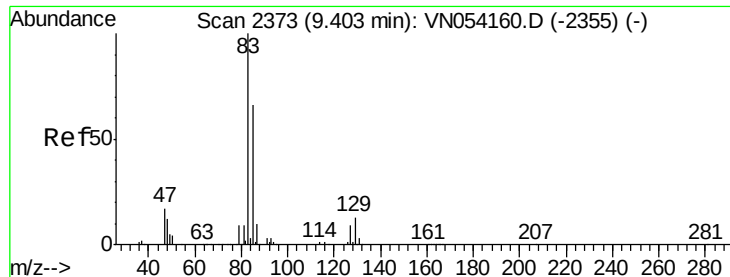
Ion Ratio Lower Upper

93 100

95 82.1 66.7 100.1

174 123.0 98.5 147.7





#47

Bromodichloromethane

Concen: 20.746 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN054358.D

Acq: 17 Mar 2019 1:53

Instrument :

MSVOA_N

ClientSampleId :

VN0316WBSD02

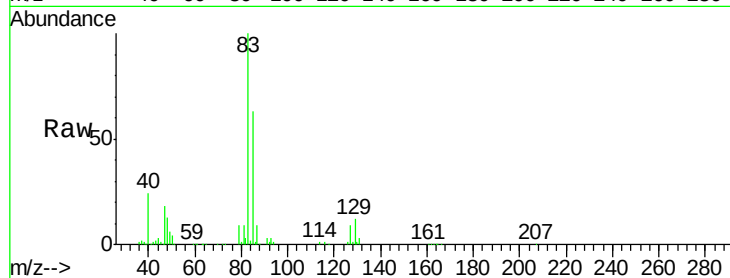
Tot Ion: 83 Resp: 346090

Ion Ratio Lower Upper

83 100

85 62.8 52.8 79.2

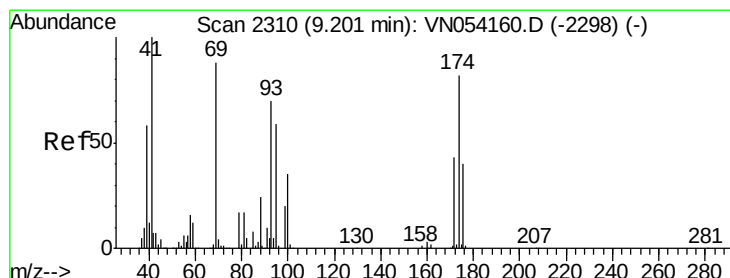
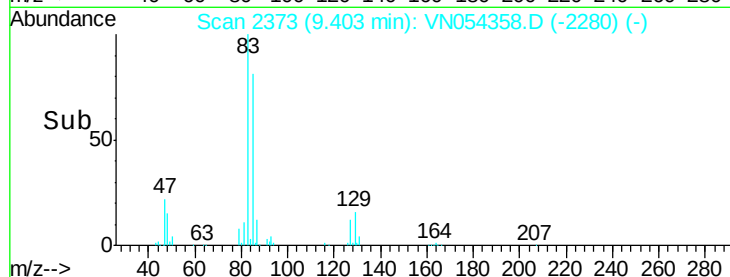
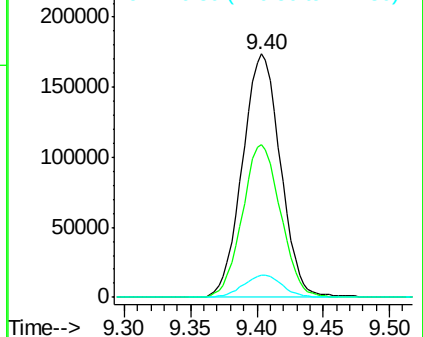
127 9.0 7.4 11.2



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 21.623 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN054358.D

Acq: 17 Mar 2019 1:53

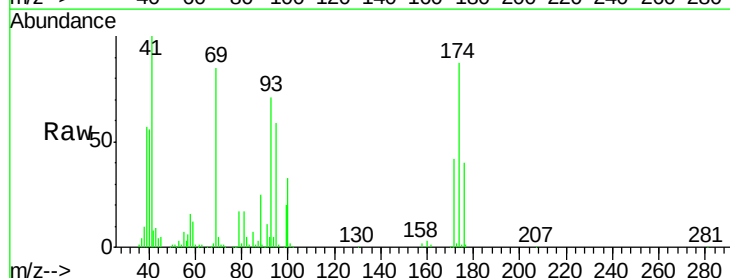
Tgt Ion: 41 Resp: 191824

Ion Ratio Lower Upper

41 100

69 91.6 72.6 108.8

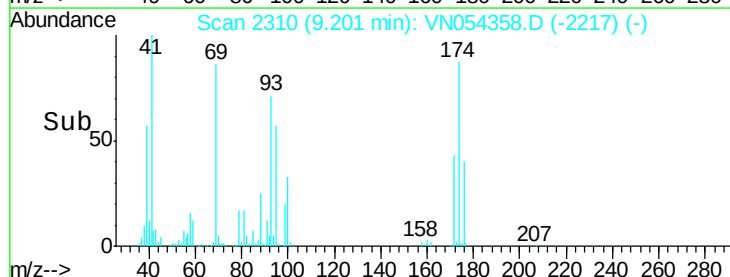
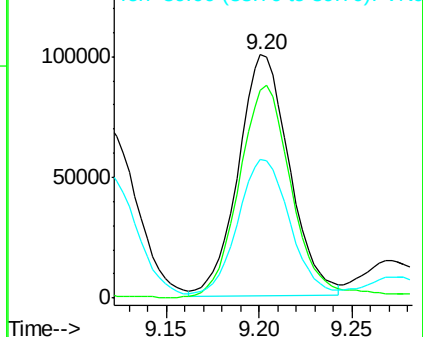
39 59.0 47.5 71.3

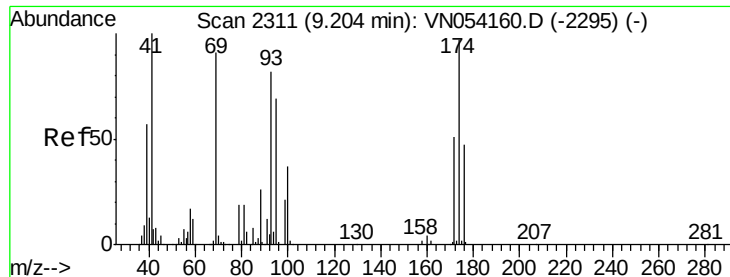


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

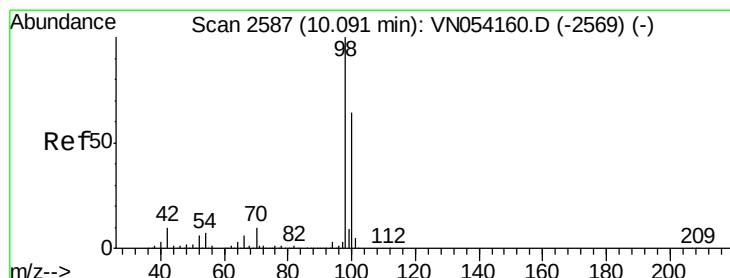
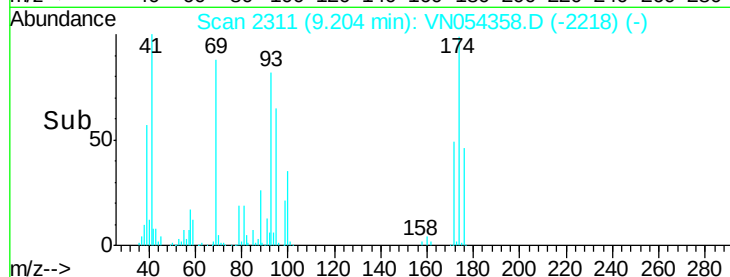
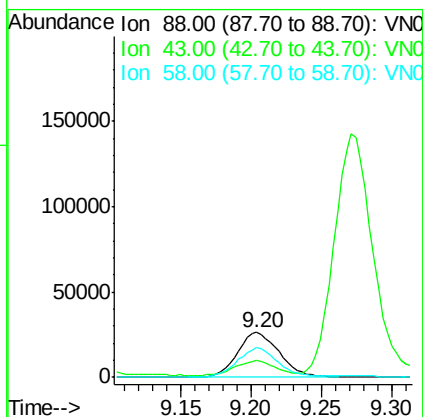
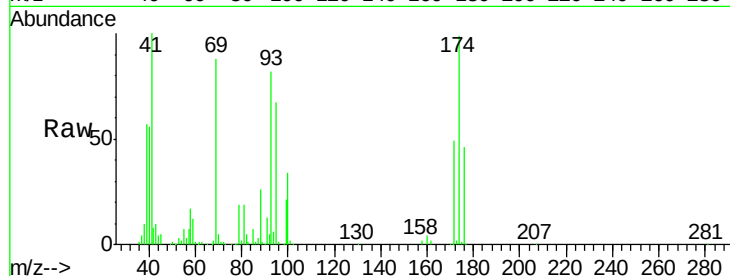




#49
1,4-Dioxane
Concen: 439.823 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. -0.00 min
Lab File: VN054358.D
Acq: 17 Mar 2019 1:53

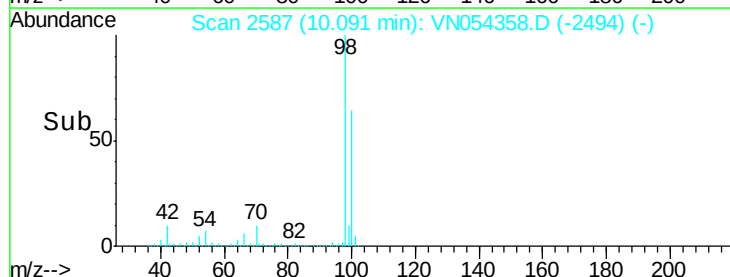
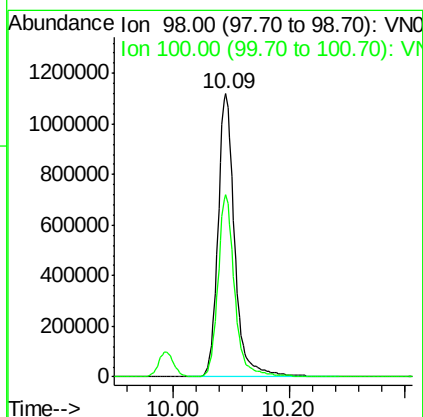
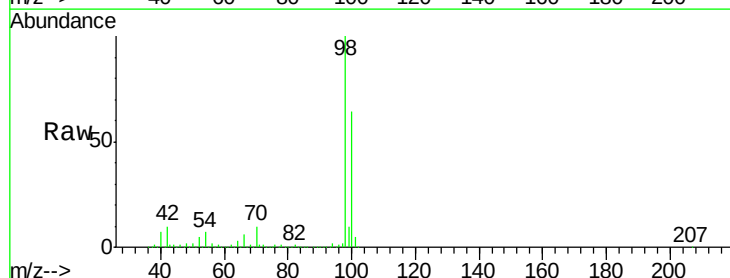
Instrument :
MSVOA_N
ClientSampleId :
VN0316WBSD02

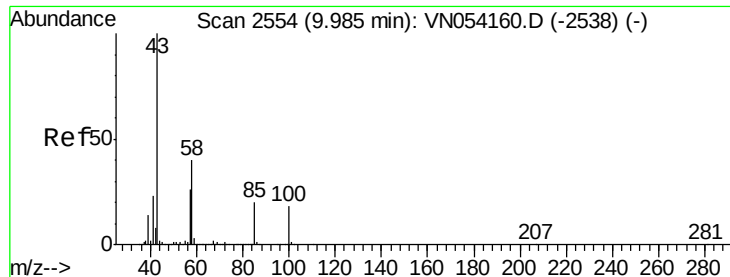
Tot Ion: 88 Resp: 55191
Ion Ratio Lower Upper
88 100
43 30.5 24.1 36.1
58 63.5 50.8 76.2



#50
Toluene-d8
Concen: 49.957 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN054358.D
Acq: 17 Mar 2019 1:53

Tgt Ion: 98 Resp: 2239619
Ion Ratio Lower Upper
98 100
100 63.5 51.2 76.8





#51

4-Methyl-2-Pentanone

Concen: 112.372 ug/l

RT: 9.99 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN054358.D

Acq: 17 Mar 2019 1:53

Instrument :

MSVOA_N

ClientSampleId :

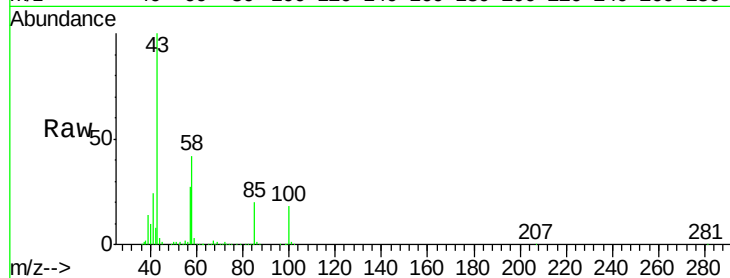
VN0316WBSD02

Tot Ion: 43 Resp: 1039569

Ion Ratio Lower Upper

43 100

58 40.5 31.8 47.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.99

600000

500000

400000

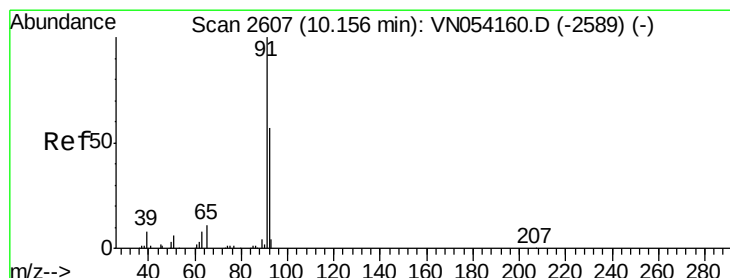
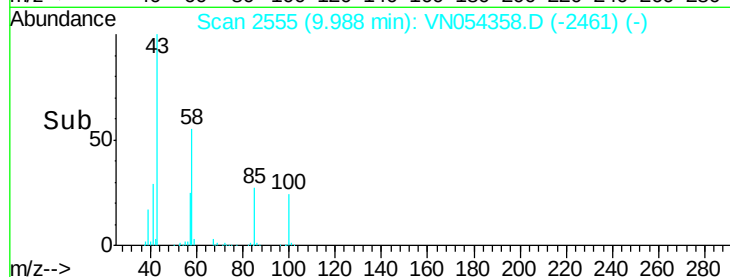
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 20.958 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN054358.D

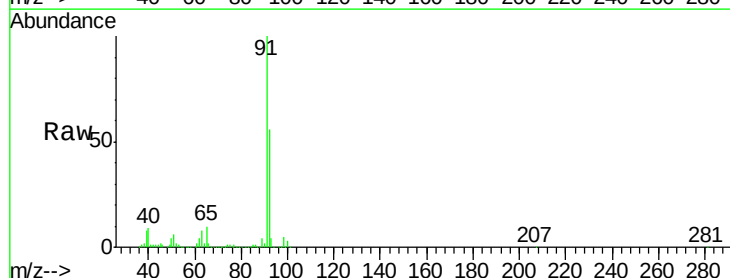
Acq: 17 Mar 2019 1:53

Tgt Ion: 92 Resp: 659121

Ion Ratio Lower Upper

92 100

91 175.5 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

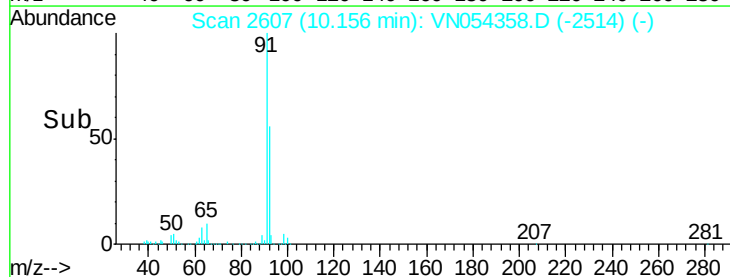
600000

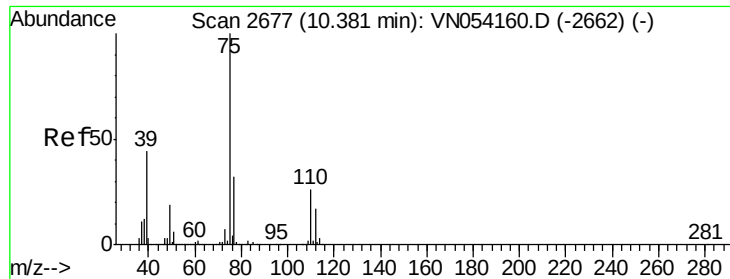
400000

200000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 16.461 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN054358.D

Acq: 17 Mar 2019 1:53

Instrument :

MSVOA_N

ClientSampleId :

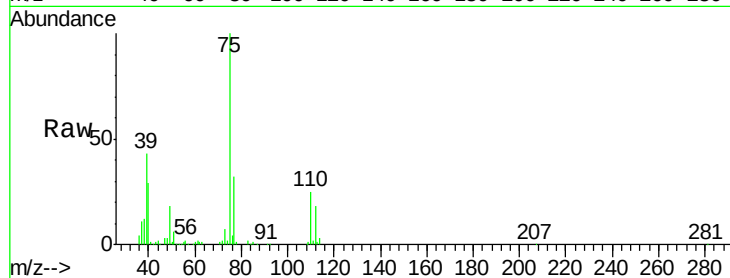
VN0316WBSD02

Tot Ion: 75 Resp: 287615

Ion Ratio Lower Upper

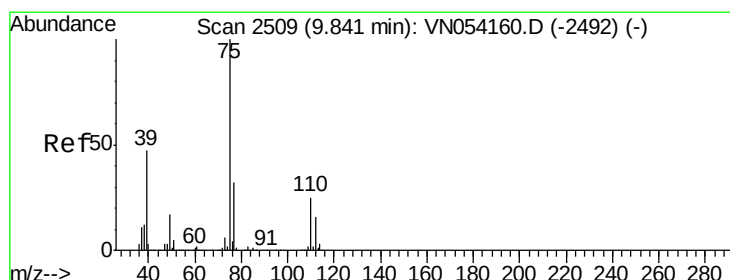
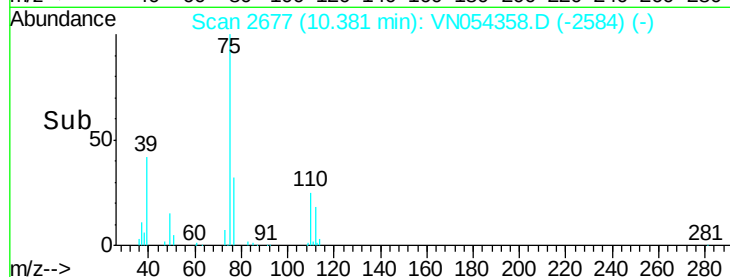
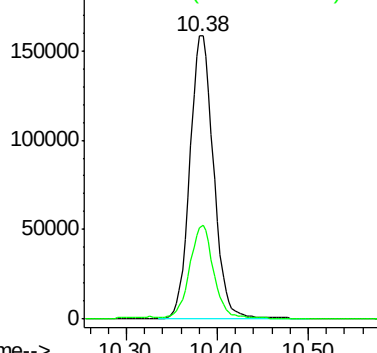
75 100

77 31.8 25.8 38.8



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: 18.352 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN054358.D

Acq: 17 Mar 2019 1:53

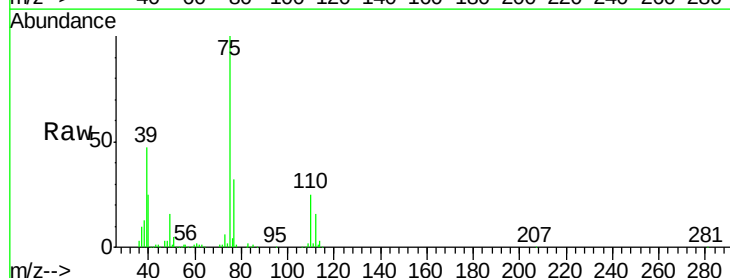
Tgt Ion: 75 Resp: 356772

Ion Ratio Lower Upper

75 100

77 32.0 25.4 38.0

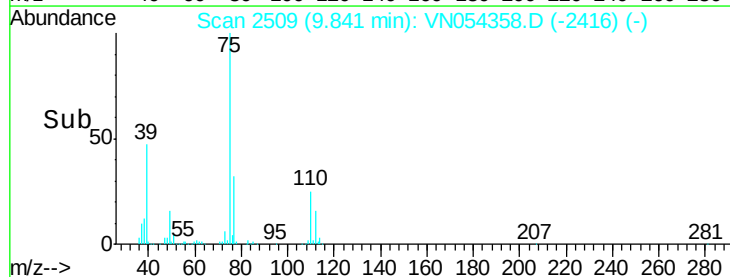
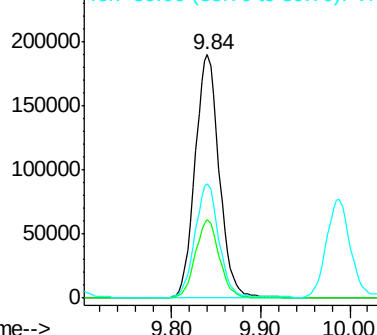
39 47.0 37.2 55.8

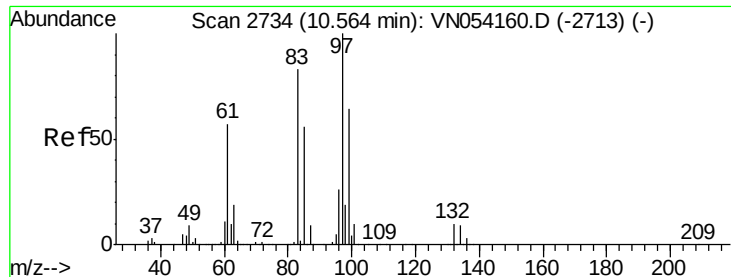


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

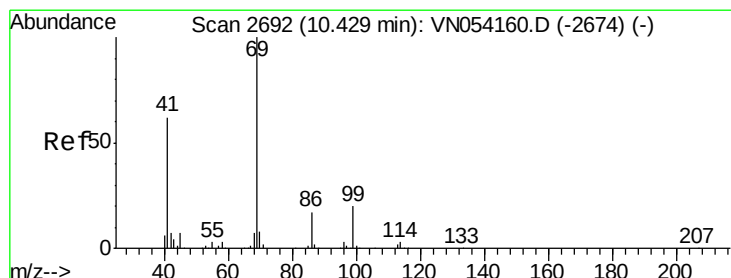
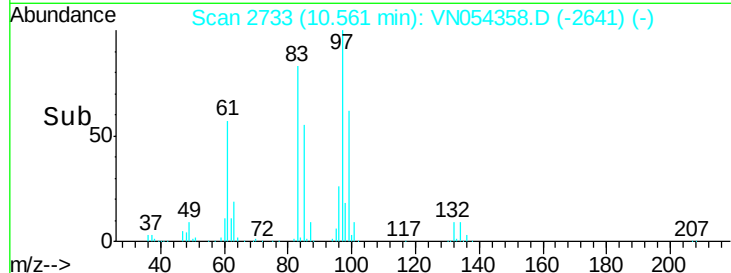
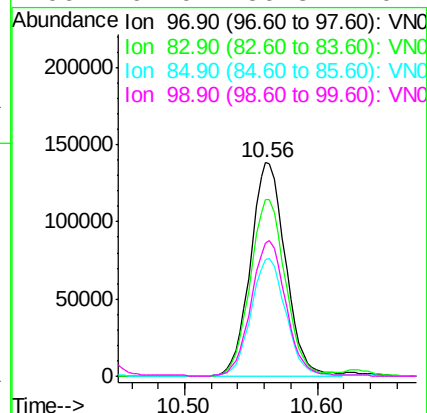
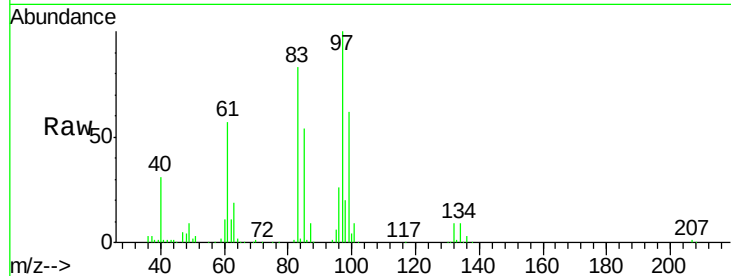




#55
 1,1,2-Trichloroethane
 Concen: 22.158 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN054358.D
 Acq: 17 Mar 2019 1:53

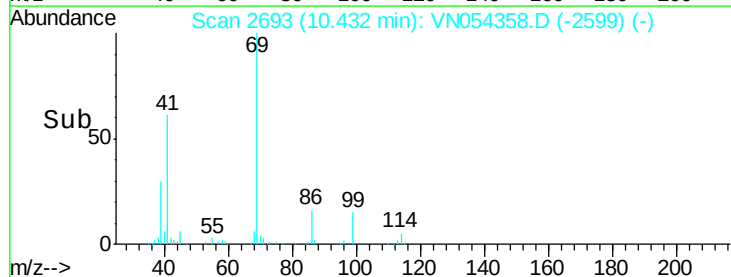
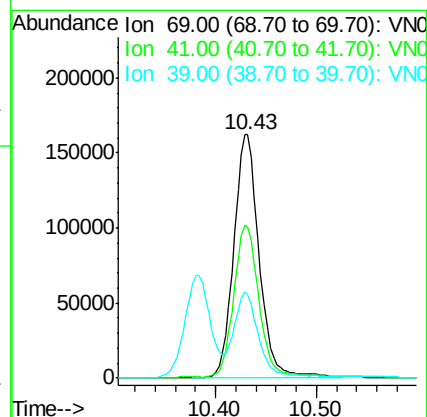
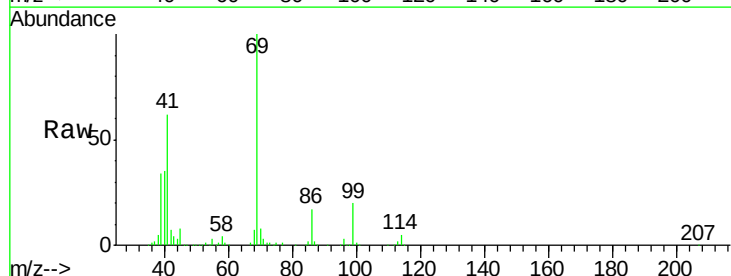
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0316WBSD02

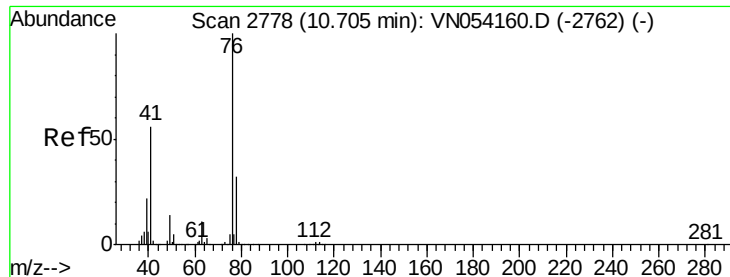
Tot Ion: 97 Resp: 254449
 Ion Ratio Lower Upper
 97 100
 83 82.9 66.6 100.0
 85 54.4 44.4 66.6
 99 62.0 50.8 76.2



#56
 Ethyl methacrylate
 Concen: 20.876 ug/l
 RT: 10.43 min Scan# 2693
 Delta R.T. 0.00 min
 Lab File: VN054358.D
 Acq: 17 Mar 2019 1:53

Tgt Ion: 69 Resp: 285847
 Ion Ratio Lower Upper
 69 100
 41 61.5 49.4 74.2
 39 32.7 28.3 42.5





#57

1,3-Dichloropropane

Concen: 21.942 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN054358.D

Acq: 17 Mar 2019 1:53

Instrument :

MSVOA_N

ClientSampled :

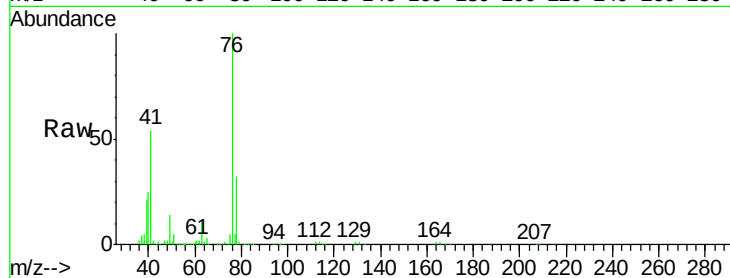
VN0316WBSD02

Tot Ion: 76 Resp: 412010

Ion Ratio Lower Upper

76 100

78 32.1 25.7 38.5



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

250000

200000

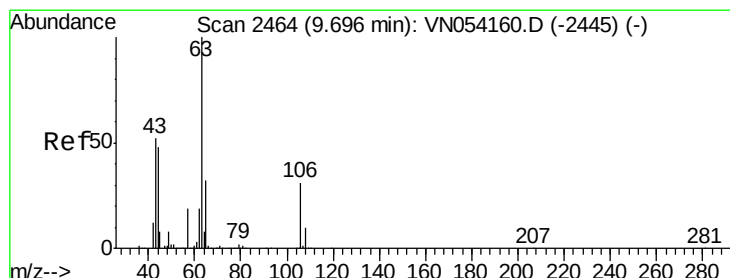
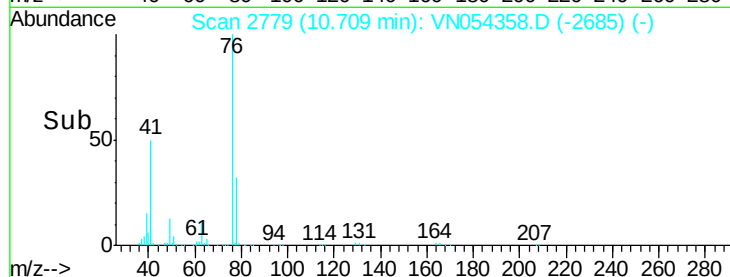
150000

100000

50000

0

Time--> 10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 99.356 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN054358.D

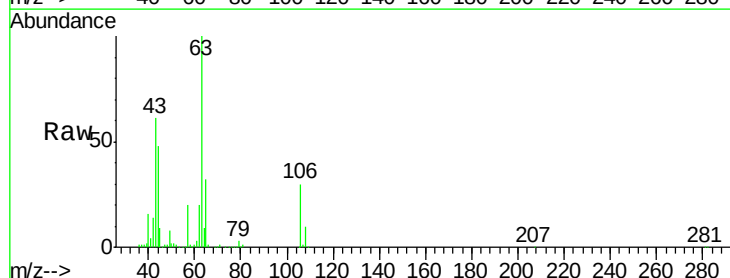
Acq: 17 Mar 2019 1:53

Tgt Ion: 63 Resp: 525624

Ion Ratio Lower Upper

63 100

106 29.9 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.70

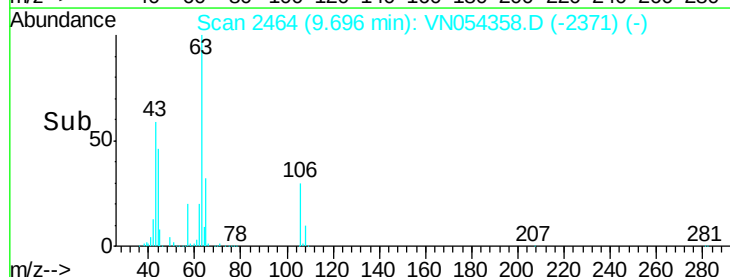
300000

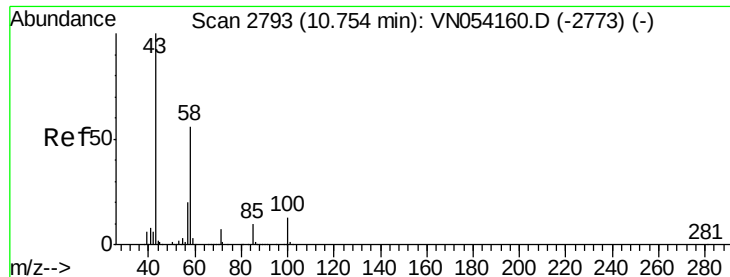
200000

100000

0

Time--> 9.60 9.65 9.70 9.75 9.80

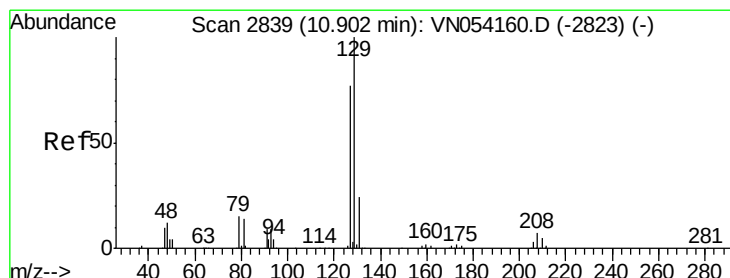
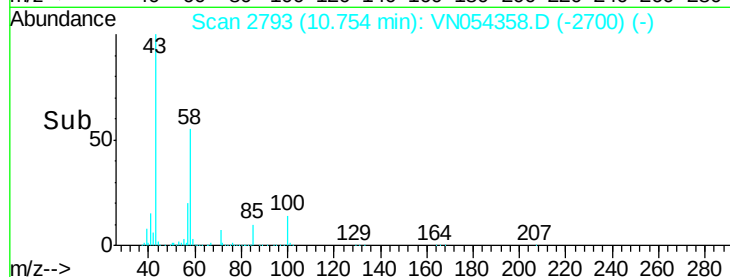
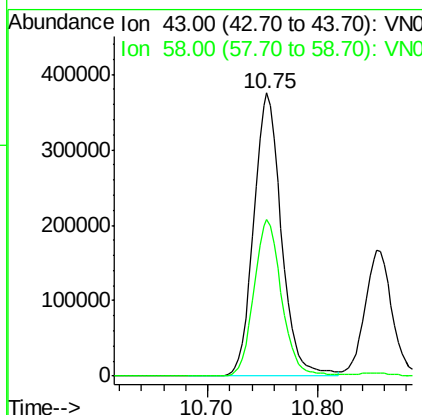
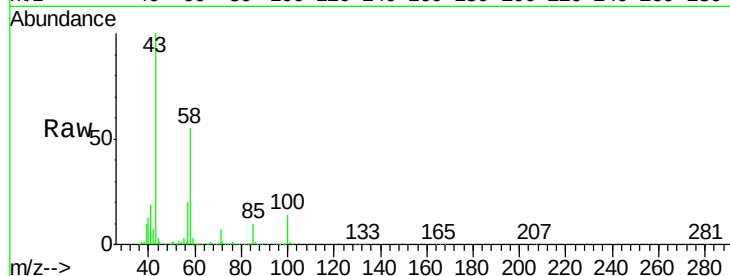




#59
2-Hexanone
Concen: 105.299 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN054358.D
Acq: 17 Mar 2019 1:53

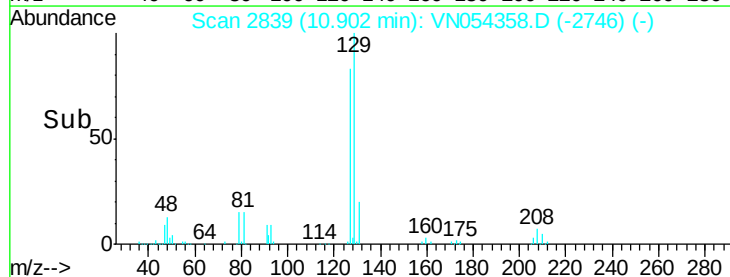
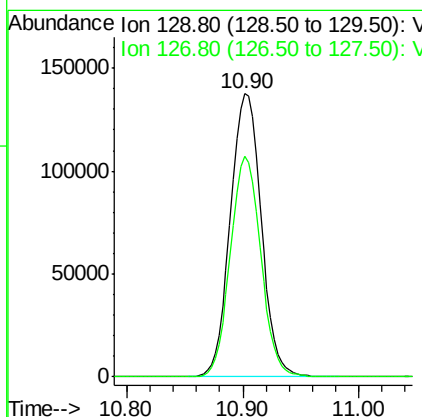
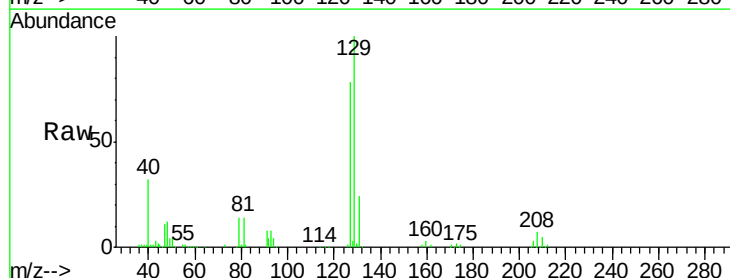
Instrument :
MSVOA_N
ClientSampleId :
VN0316WBSD02

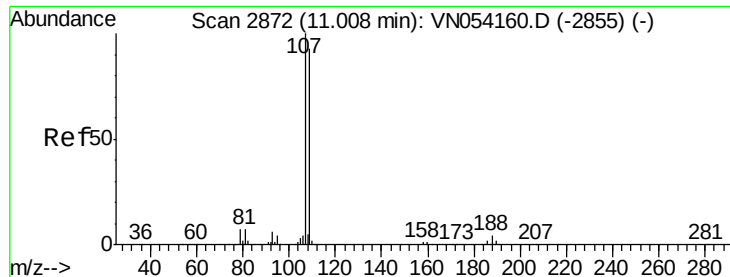
Tot Ion: 43 Resp: 648184
Ion Ratio Lower Upper
43 100
58 55.7 28.0 83.9



#60
Dibromochloromethane
Concen: 19.739 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN054358.D
Acq: 17 Mar 2019 1:53

Tgt Ion: 129 Resp: 255133
Ion Ratio Lower Upper
129 100
127 76.5 38.6 115.8





#61

1,2-Dibromoethane

Concen: 21.102 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. -0.00 min

Lab File: VN054358.D

Acq: 17 Mar 2019 1:53

Instrument :

MSVOA_N

ClientSampleId :

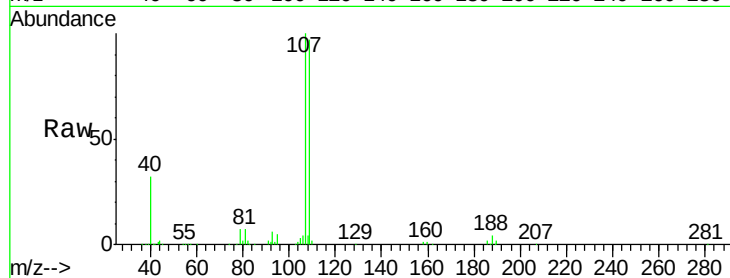
VN0316WBSD02

Tot Ion:107 Resp: 246250

Ion Ratio Lower Upper

107 100

109 96.1 75.9 113.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.01

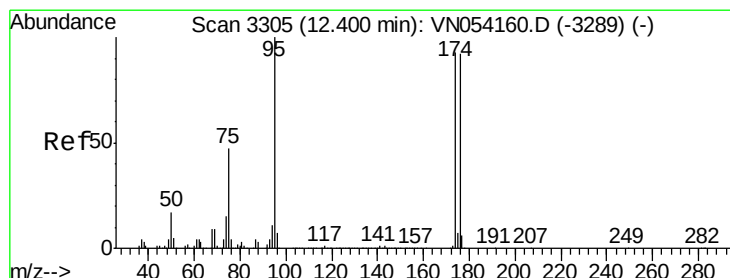
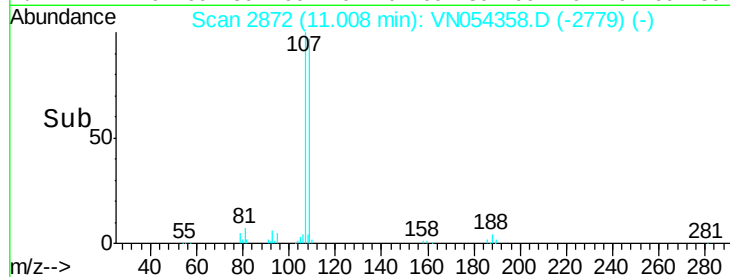
150000

100000

50000

0

Time--> 10.90 11.00 11.10



#62

4-Bromofluorobenzene

Concen: 47.392 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN054358.D

Acq: 17 Mar 2019 1:53

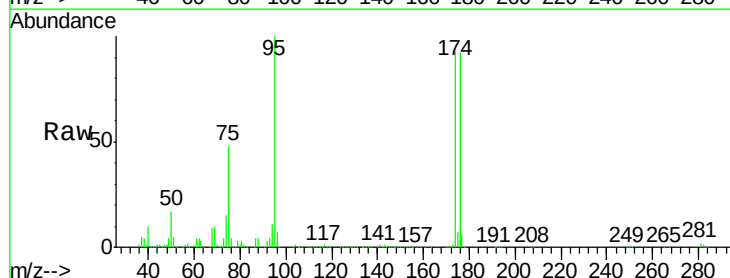
Tgt Ion: 95 Resp: 743401

Ion Ratio Lower Upper

95 100

174 95.8 0.0 191.0

176 93.7 0.0 187.4



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

12.40

600000

500000

400000

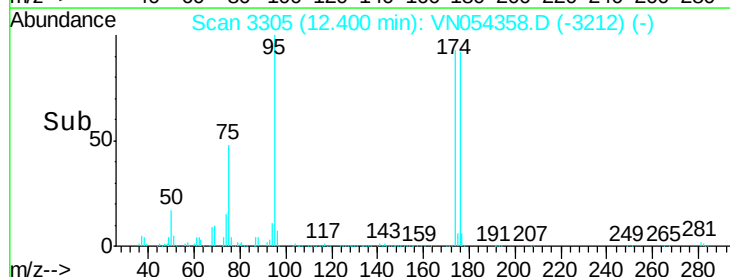
300000

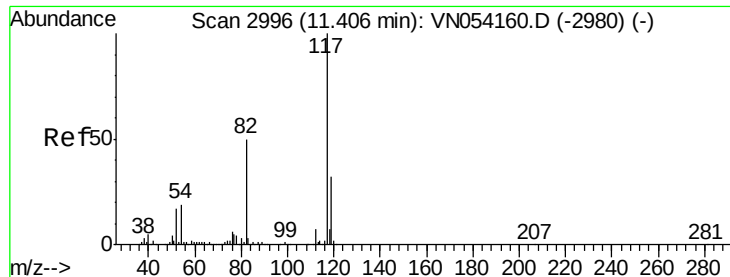
200000

100000

0

Time--> 12.30 12.40 12.50





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN054358.D

Acq: 17 Mar 2019 1:53

Instrument :

MSVOA_N

ClientSampleId :

VN0316WBSD02

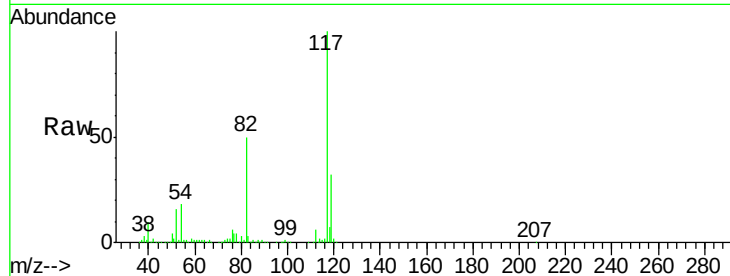
Tot Ion:117 Resp: 1612740

Ion Ratio Lower Upper

117 100

82 50.4 40.0 60.0

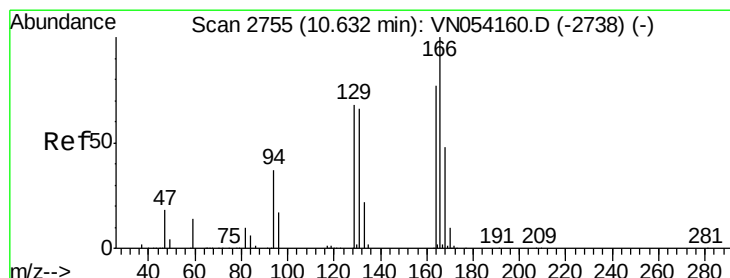
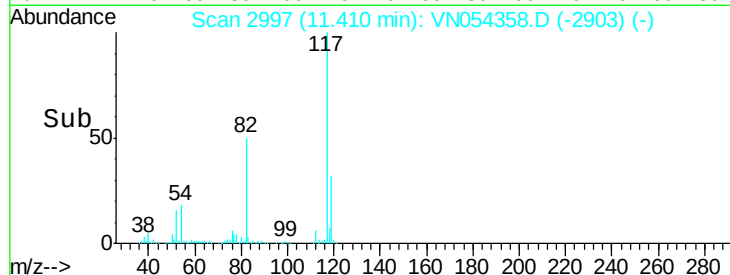
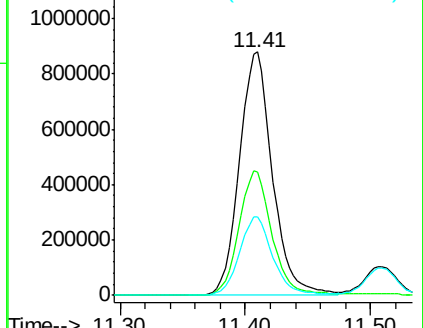
119 32.4 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 21.312 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. -0.00 min

Lab File: VN054358.D

Acq: 17 Mar 2019 1:53

Tgt Ion:164 Resp: 332315

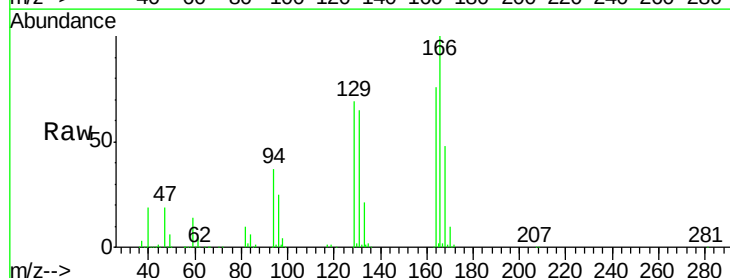
Ion Ratio Lower Upper

164 100

166 130.8 103.9 155.9

129 90.0 71.1 106.7

131 85.0 68.2 102.4

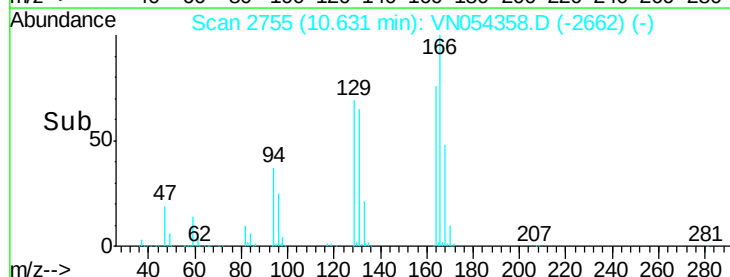
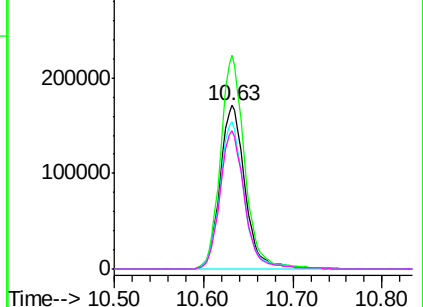


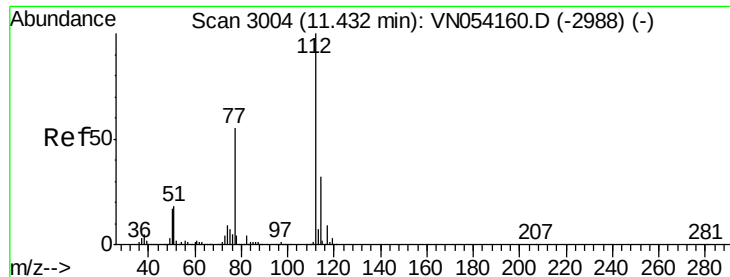
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

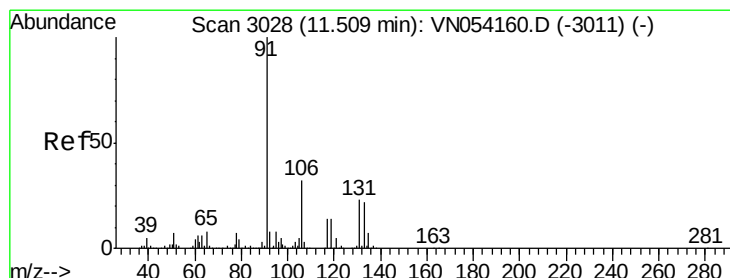
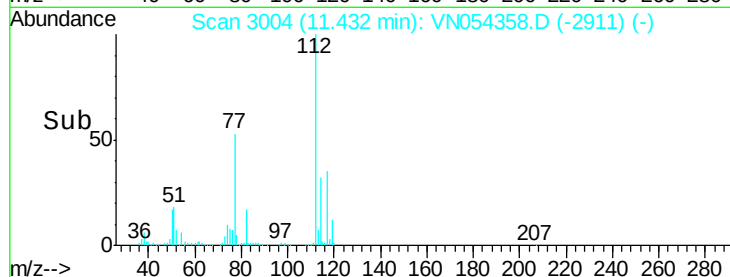
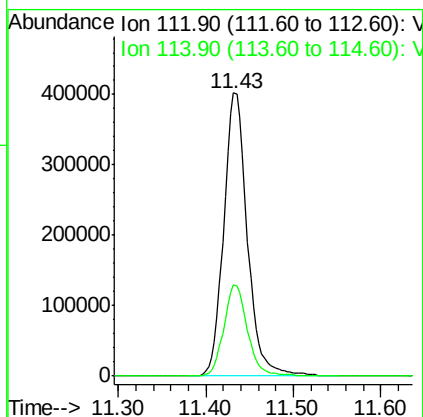
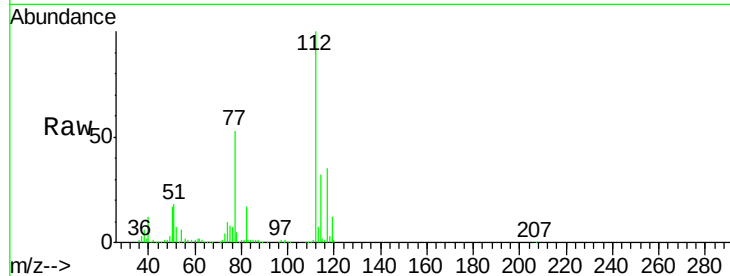




#65
Chlorobenzene
Concen: 21.325 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN054358.D
Acq: 17 Mar 2019 1:53

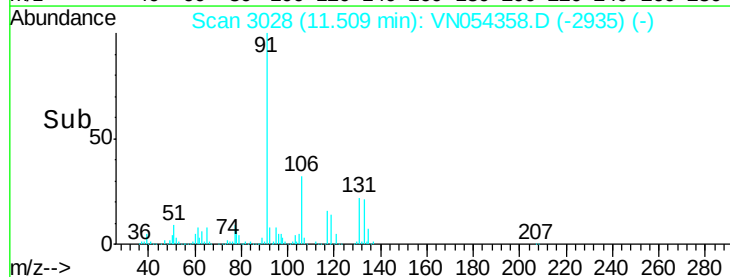
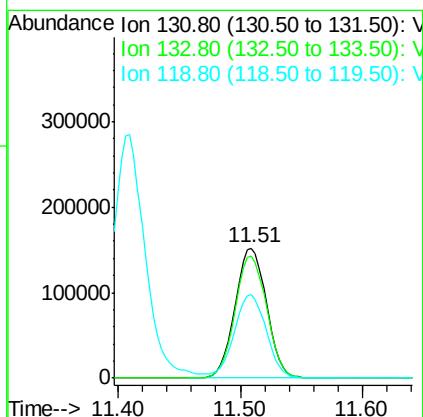
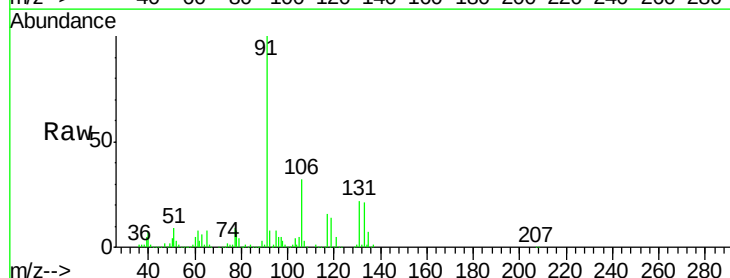
Instrument :
MSVOA_N
ClientSampled :
VN0316WBSD02

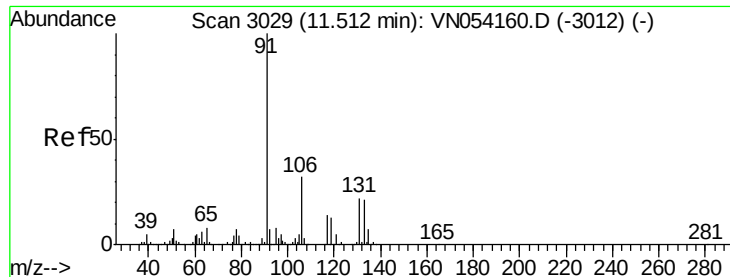
Tot Ion:112 Resp: 755160
Ion Ratio Lower Upper
112 100
114 32.1 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 21.094 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN054358.D
Acq: 17 Mar 2019 1:53

Tgt Ion:131 Resp: 271351
Ion Ratio Lower Upper
131 100
133 94.6 47.6 142.9
119 65.7 32.4 97.0

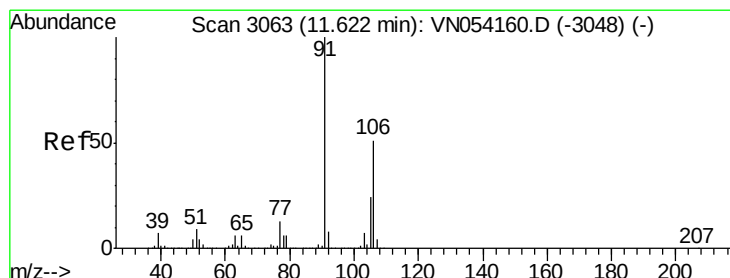
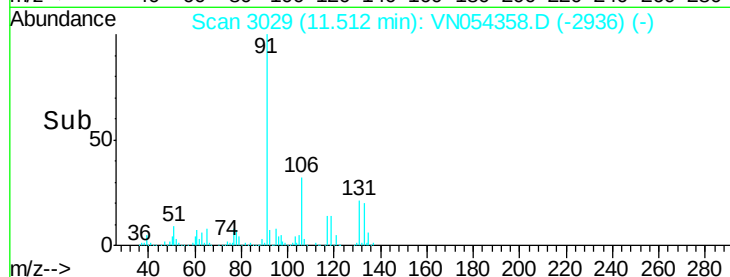
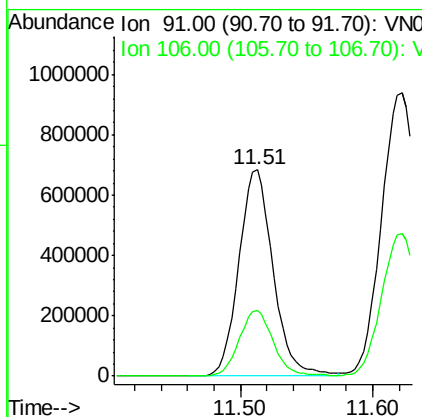
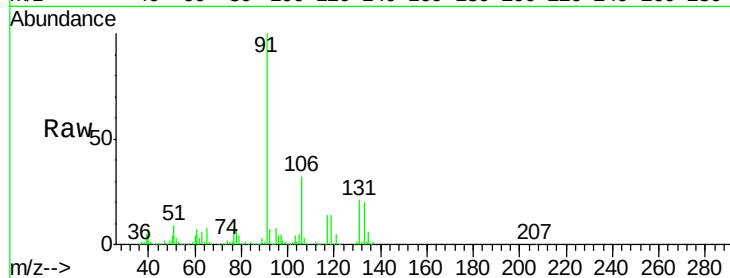




#67
Ethyl Benzene
Concen: 20.965 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN054358.D
Acq: 17 Mar 2019 1:53

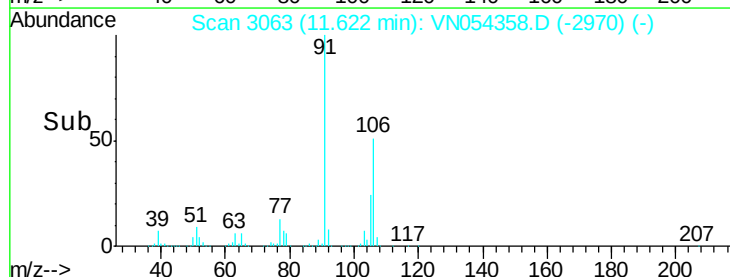
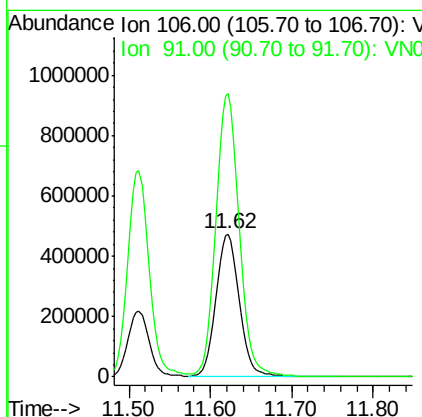
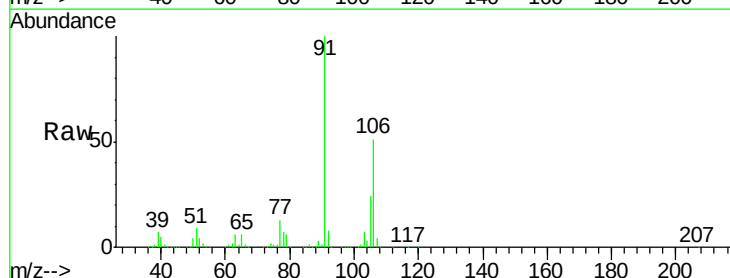
Instrument :
MSVOA_N
ClientSampled :
VN0316WBSD02

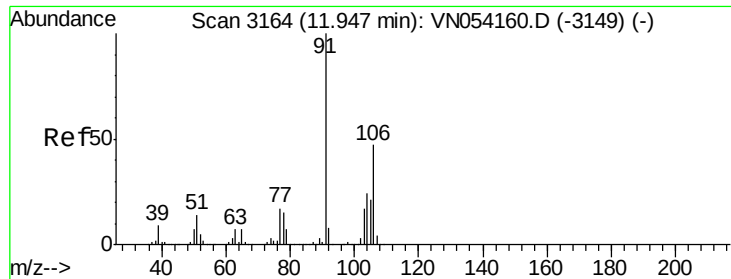
Tot Ion: 91 Resp: 1230640
Ion Ratio Lower Upper
91 100
106 31.9 25.5 38.3



#68
m/p-Xylenes
Concen: 42.210 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN054358.D
Acq: 17 Mar 2019 1:53

Tgt Ion: 106 Resp: 968417
Ion Ratio Lower Upper
106 100
91 197.7 159.4 239.2

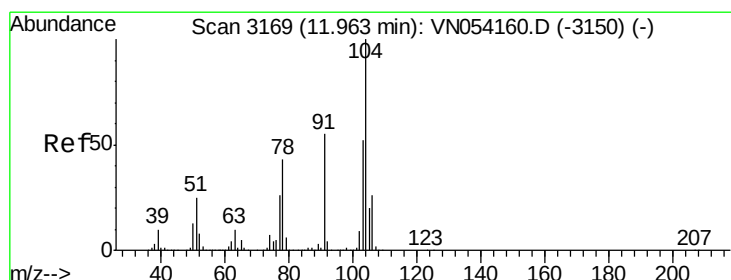
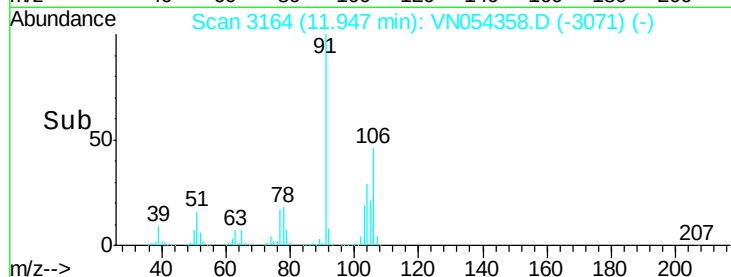
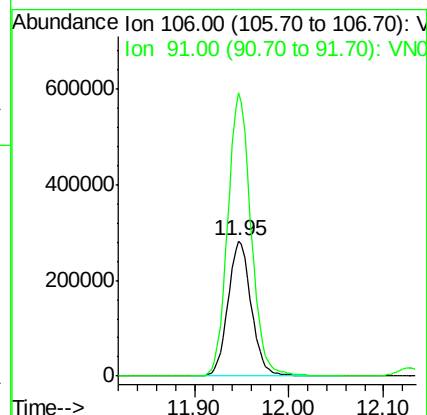
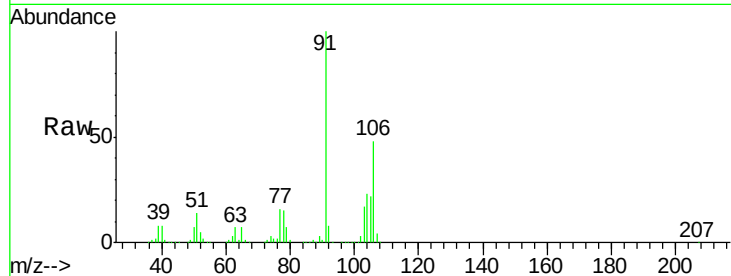




#69
o-Xylene
Concen: 21.605 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN054358.D
Acq: 17 Mar 2019 1:53

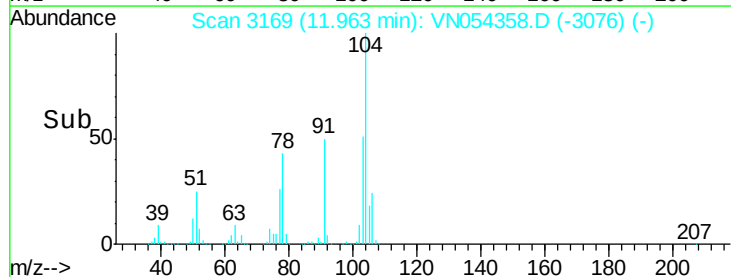
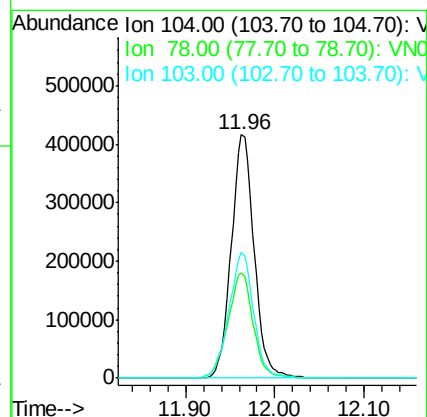
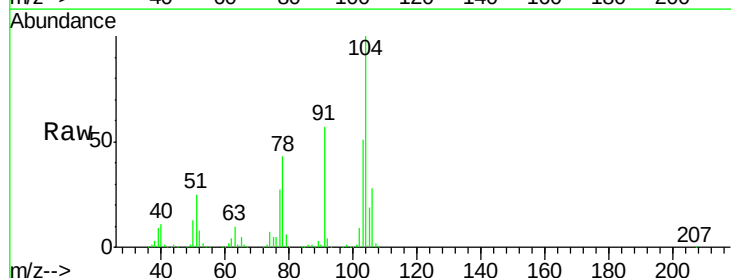
Instrument :
MSVOA_N
ClientSampleId :
VN0316WBSD02

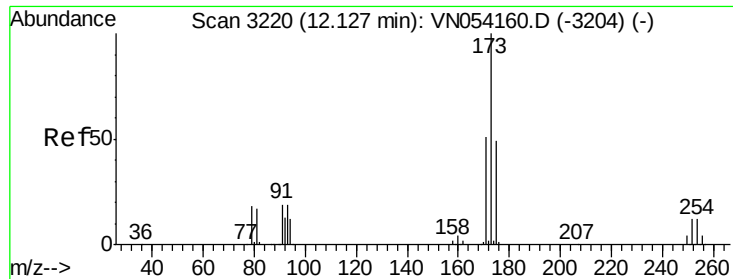
Tot Ion:106 Resp: 483200
Ion Ratio Lower Upper
106 100
91 209.7 105.7 317.1



#70
Styrene
Concen: 21.085 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN054358.D
Acq: 17 Mar 2019 1:53

Tgt Ion:104 Resp: 739595
Ion Ratio Lower Upper
104 100
78 47.8 38.2 57.2
103 55.7 44.4 66.6





#71

Bromoform

Concen: 18.041 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN054358.D

Acq: 17 Mar 2019 1:53

Instrument :

MSVOA_N

ClientSampleId :

VN0316WBSD02

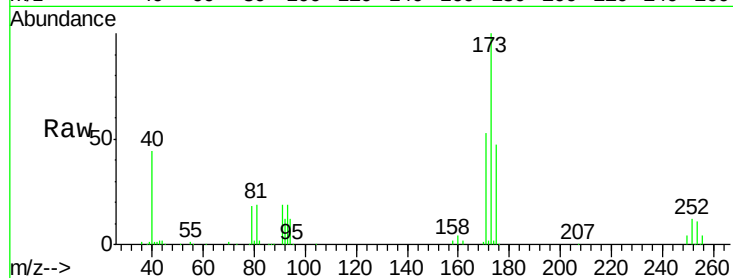
Tot Ion:173 Resp: 161455

Ion Ratio Lower Upper

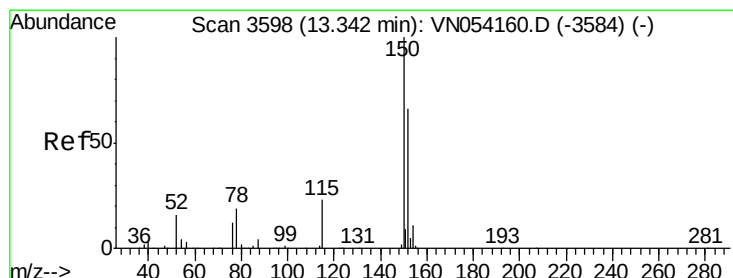
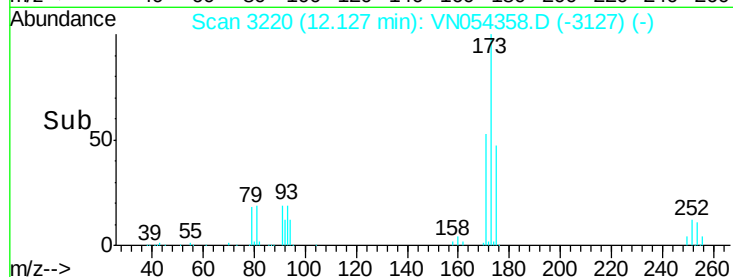
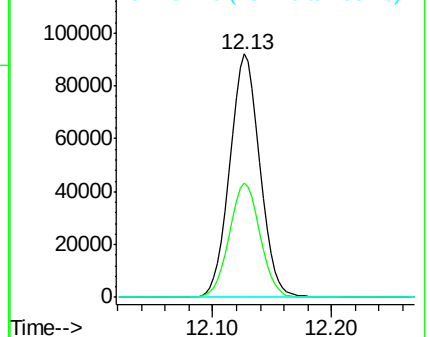
173 100

175 48.0 24.4 73.2

254 0.1 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN054358.D

Acq: 17 Mar 2019 1:53

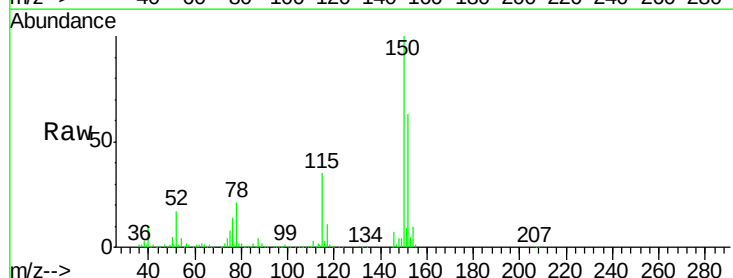
Tgt Ion:152 Resp: 717740

Ion Ratio Lower Upper

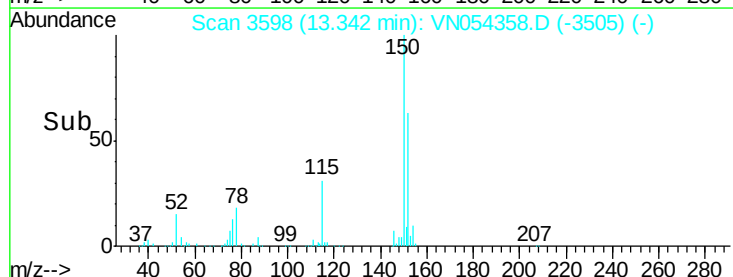
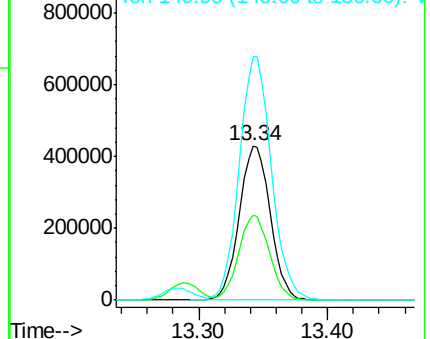
152 100

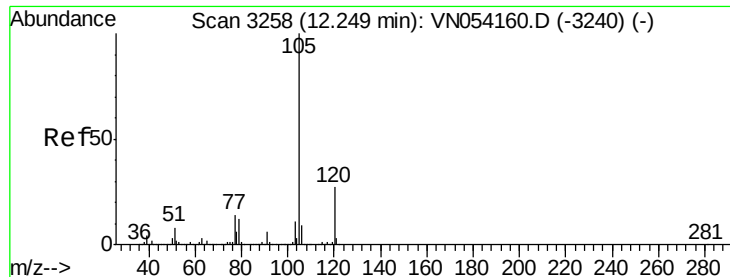
115 54.6 27.2 81.6

150 164.0 0.0 349.2



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





#73

Isopropylbenzene

Concen: 21.968 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN054358.D

Acq: 17 Mar 2019 1:53

Instrument :

MSVOA_N

ClientSampleId :

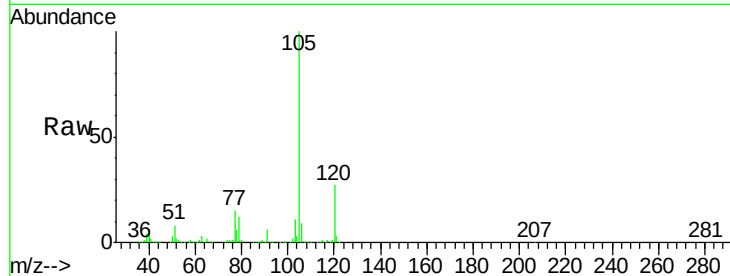
VN0316WBSD02

Tot Ion:105 Resp: 1261500

Ion Ratio Lower Upper

105 100

120 27.6 13.8 41.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

800000

600000

400000

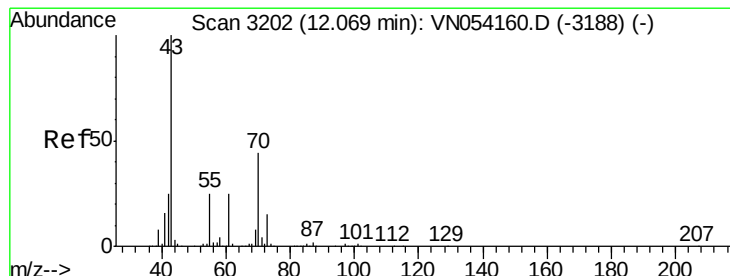
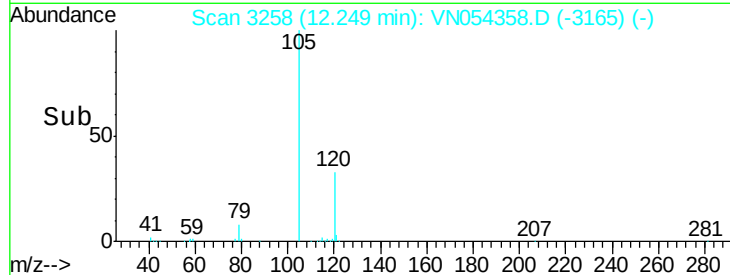
200000

0

12.25

12.30

Time-->



#74

N-ethyl acetate

Concen: 21.712 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN054358.D

Acq: 17 Mar 2019 1:53

Tgt Ion: 43 Resp: 276749

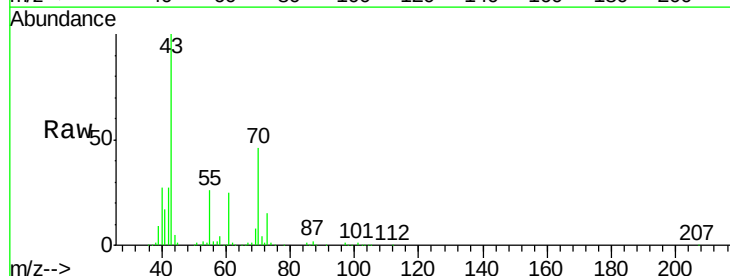
Ion Ratio Lower Upper

43 100

70 45.2 35.4 53.0

55 26.5 19.8 29.6

61 24.9 19.8 29.6



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

250000

200000

150000

100000

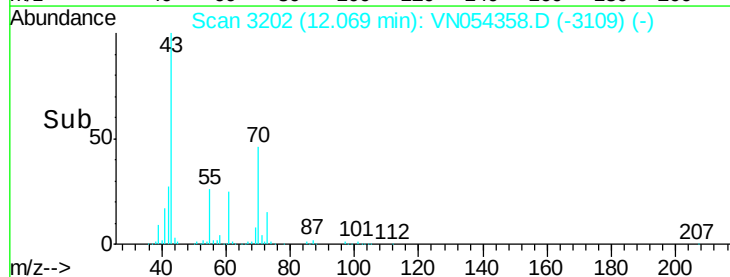
50000

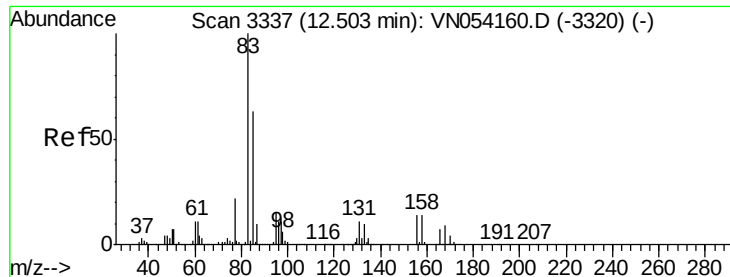
0

12.07

12.10

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 23.811 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN054358.D

Acq: 17 Mar 2019 1:53

Instrument :

MSVOA_N

ClientSampleId :

VN0316WBSD02

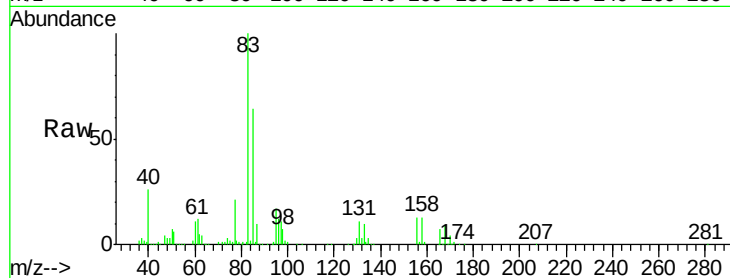
Tot Ion: 83 Resp: 291311

Ion Ratio Lower Upper

83 100

131 11.8 5.8 17.4

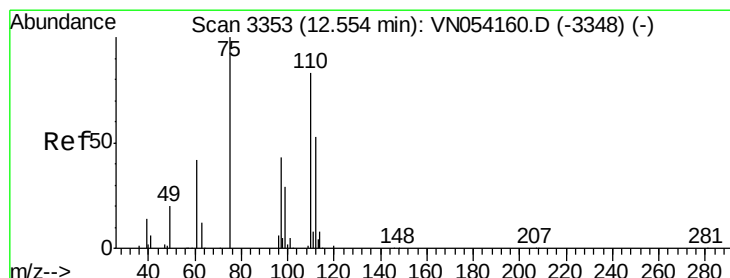
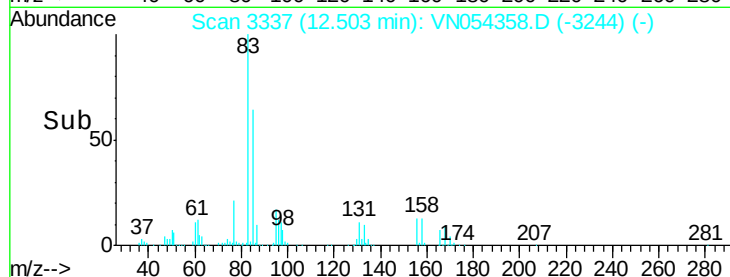
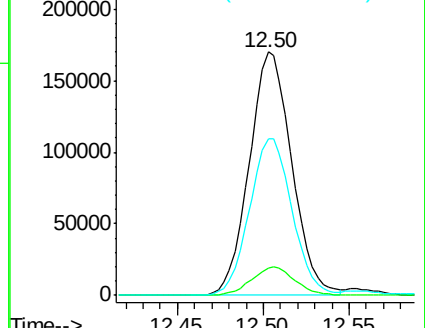
85 64.5 32.2 96.6



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 31.005 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN054358.D

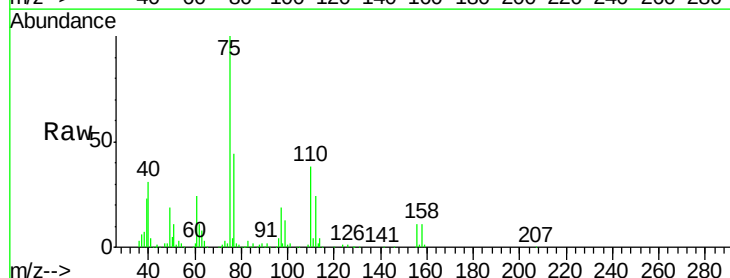
Acq: 17 Mar 2019 1:53

Tgt Ion: 75 Resp: 327249

Ion Ratio Lower Upper

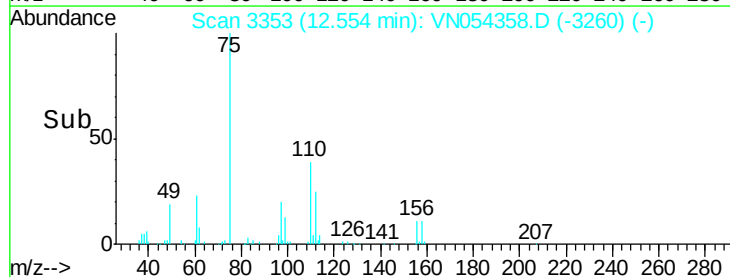
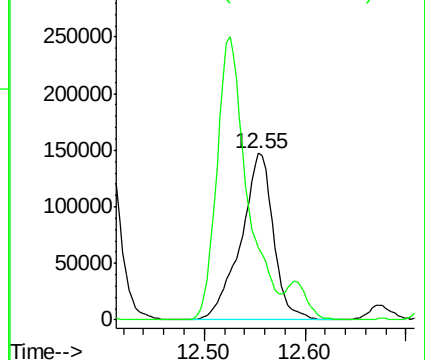
75 100

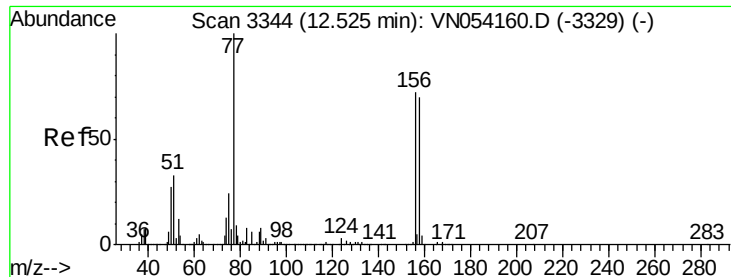
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 22.017 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN054358.D

Acq: 17 Mar 2019 1:53

Instrument :

MSVOA_N

ClientSampleId :

VN0316WBSD02

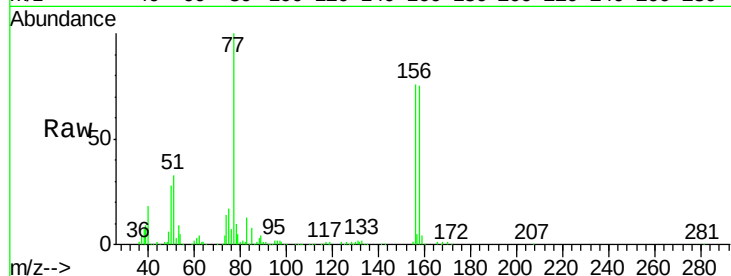
Tot Ion:156 Resp: 334552

Ion Ratio Lower Upper

156 100

77 156.8 81.5 244.4

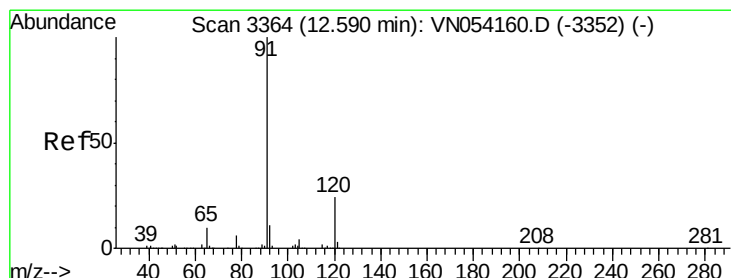
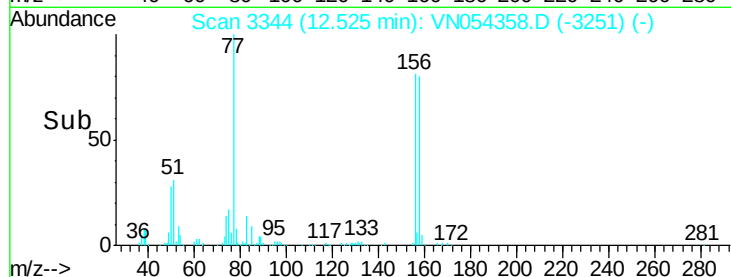
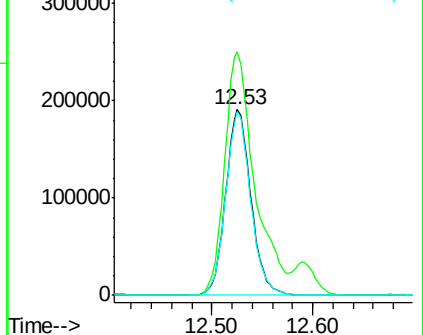
158 97.9 49.0 147.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.304 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN054358.D

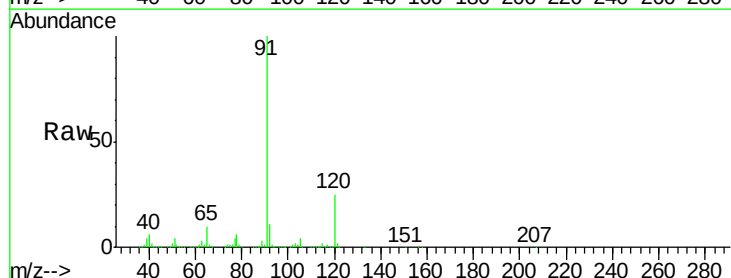
Acq: 17 Mar 2019 1:53

Tgt Ion: 91 Resp: 1327435

Ion Ratio Lower Upper

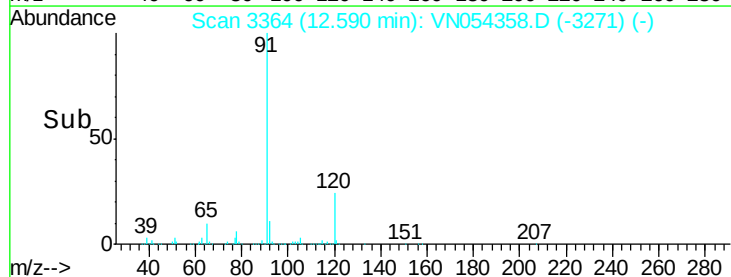
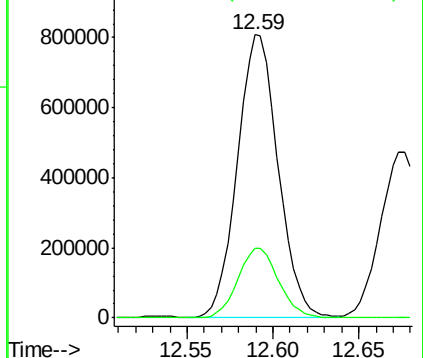
91 100

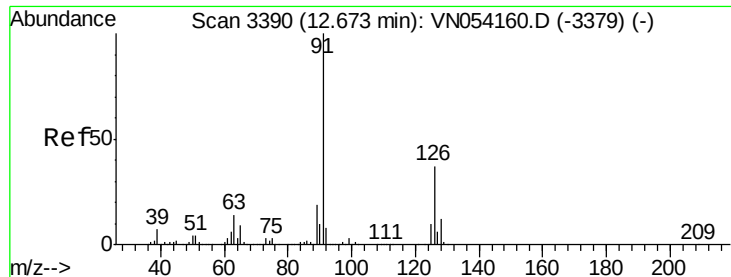
120 24.8 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.805 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN054358.D

Acq: 17 Mar 2019 1:53

Instrument :

MSVOA_N

ClientSampleId :

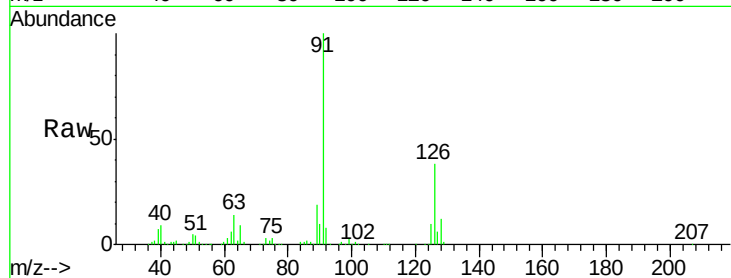
VN0316WBSD02

Tot Ion: 91 Resp: 816892

Ion Ratio Lower Upper

91 100

126 37.7 18.7 56.1



Abundance Ion 91.00 (90.70 to 91.70): VN054160.D (-3379) (-)

Ion 125.90 (125.60 to 126.60): VN054160.D (-3379) (-)

600000

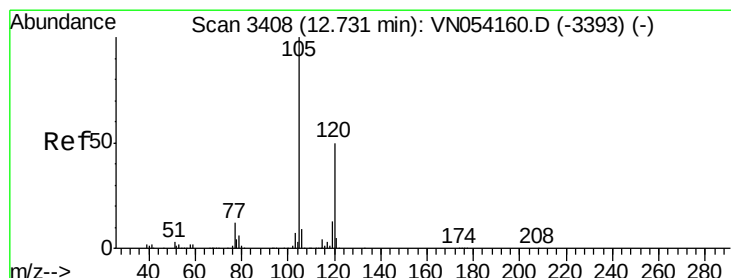
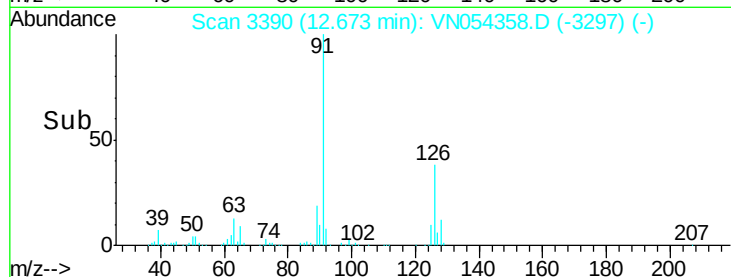
400000

200000

0

12.65 12.67 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 21.318 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN054358.D

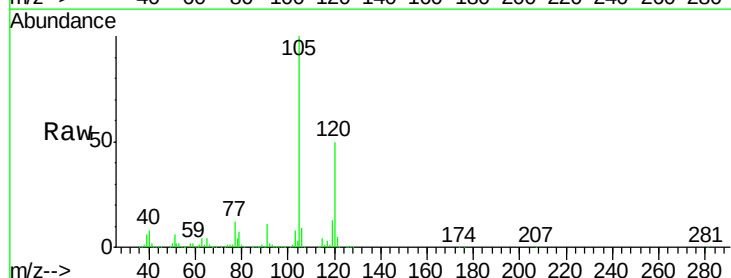
Acq: 17 Mar 2019 1:53

Tgt Ion: 105 Resp: 1018231

Ion Ratio Lower Upper

105 100

120 50.2 25.0 75.0



Abundance Ion 105.00 (104.70 to 105.70): VN054160.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN054160.D (-3393) (-)

600000

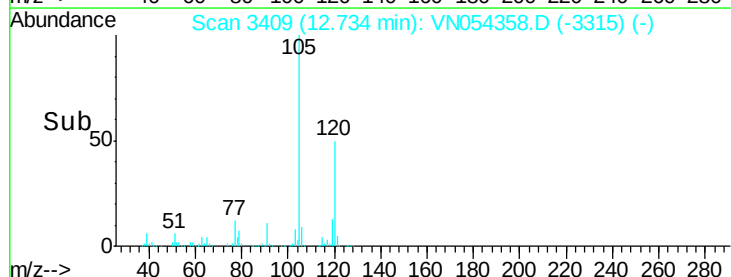
400000

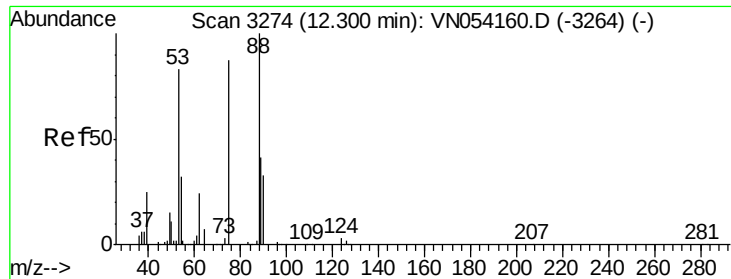
200000

0

12.70 12.73 12.80

Time-->

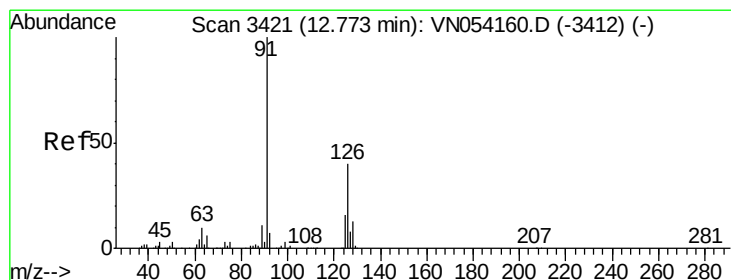
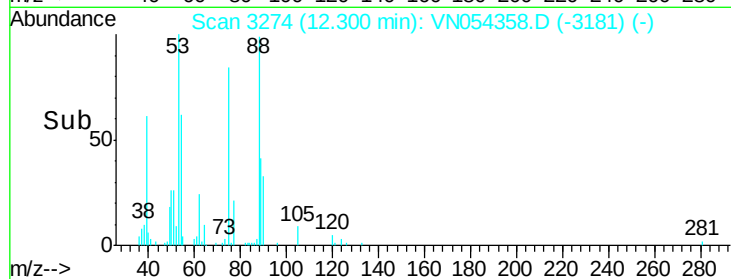
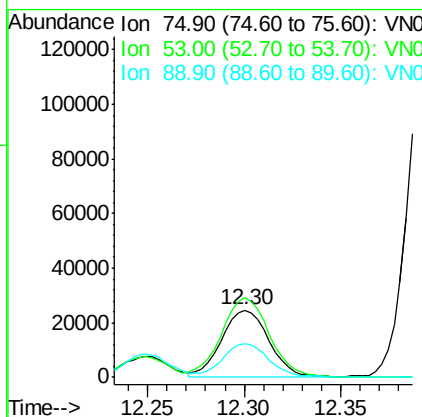
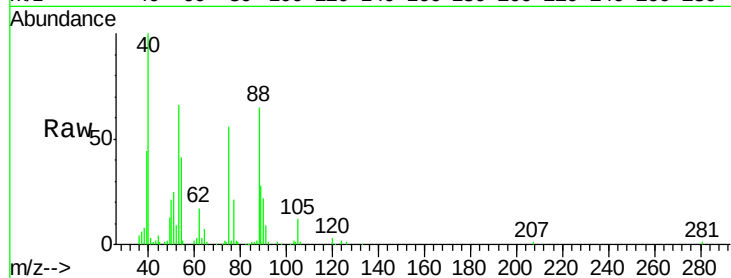




#81
trans-1,4-Dichloro-2-butene
Concen: 13.570 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN054358.D
Acq: 17 Mar 2019 1:53

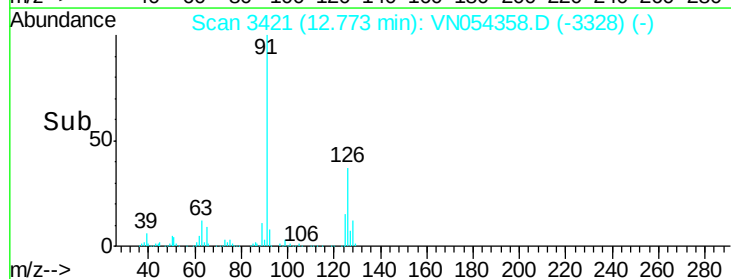
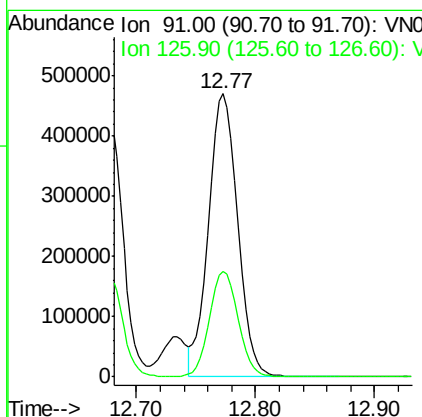
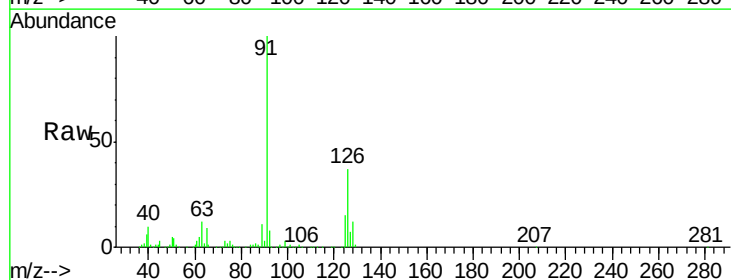
Instrument :
MSVOA_N
ClientSampleId :
VN0316WBSD02

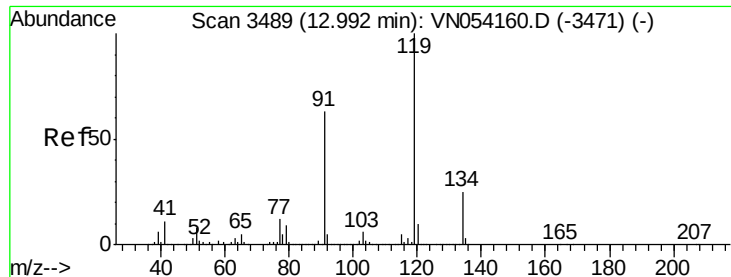
Tot Ion: 75 Resp: 41899
Ion Ratio Lower Upper
75 100
53 119.3 76.2 114.2#
89 49.6 39.2 58.8



#82
4-Chlorotoluene
Concen: 21.316 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN054358.D
Acq: 17 Mar 2019 1:53

Tgt Ion: 91 Resp: 797432
Ion Ratio Lower Upper
91 100
126 36.8 18.1 54.1

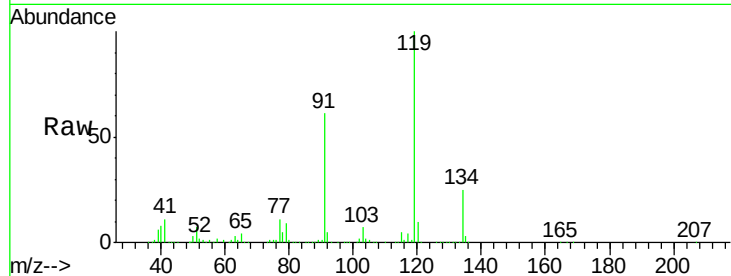




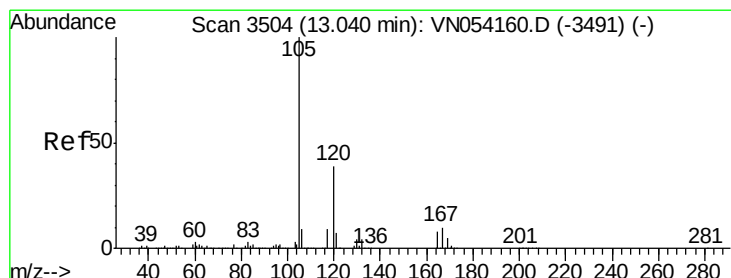
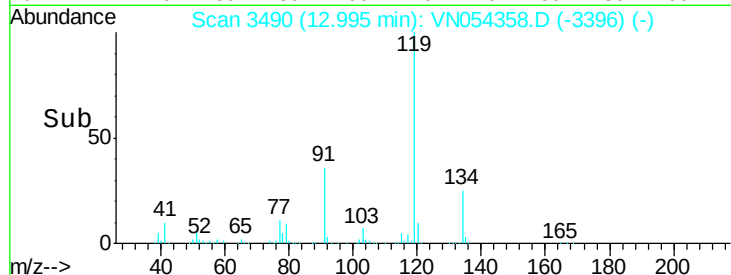
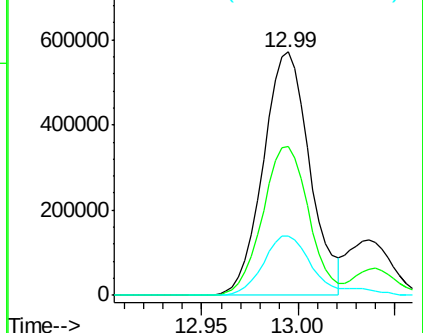
#83
 tert-Butylbenzene
 Concen: 21.725 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN054358.D
 Acq: 17 Mar 2019 1:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0316WBSD02

Tot Ion:119 Resp: 955128
 Ion Ratio Lower Upper
 119 100
 91 61.2 30.9 92.8
 134 25.0 13.2 39.6

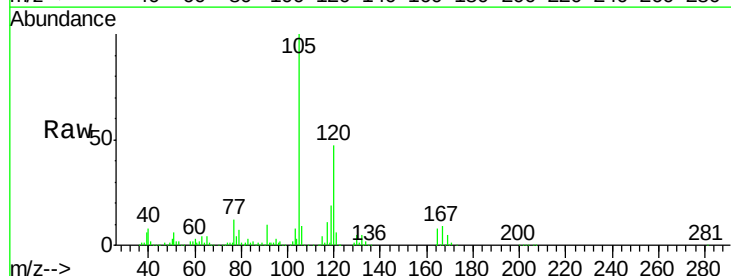


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

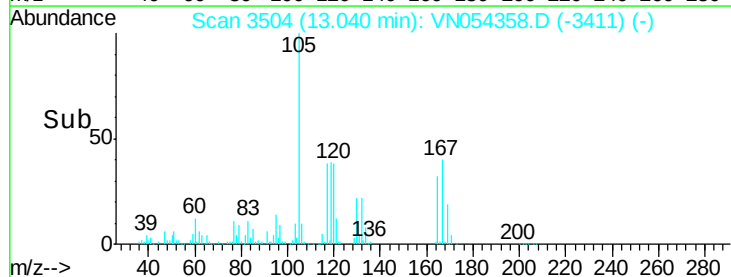
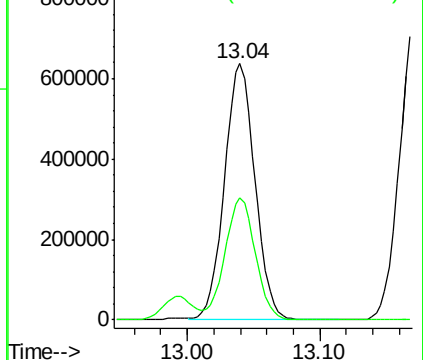


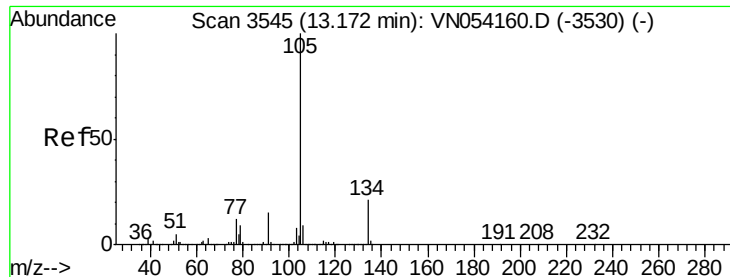
#84
 1,2,4-Trimethylbenzene
 Concen: 21.652 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN054358.D
 Acq: 17 Mar 2019 1:53

Tgt Ion:105 Resp: 1014573
 Ion Ratio Lower Upper
 105 100
 120 47.7 23.4 70.3



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 20.886 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN054358.D

Acq: 17 Mar 2019 1:53

Instrument :

MSVOA_N

ClientSampled :

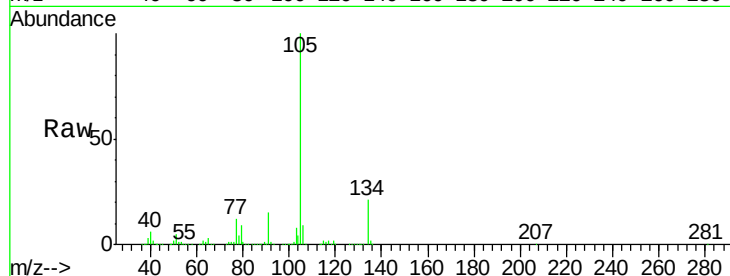
VN0316WBSD02

Tot Ion:105 Resp: 1190841

Ion Ratio Lower Upper

105 100

134 21.3 10.7 32.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

800000

600000

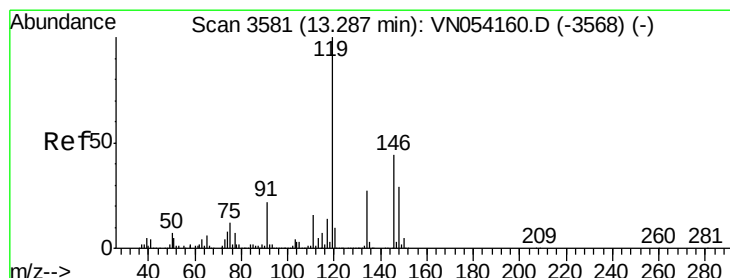
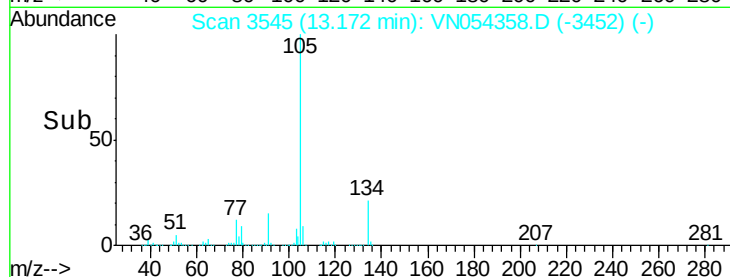
400000

200000

0

13.10 13.15 13.20 13.25

Time-->



#86

p-Isopropyltoluene

Concen: 20.401 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN054358.D

Acq: 17 Mar 2019 1:53

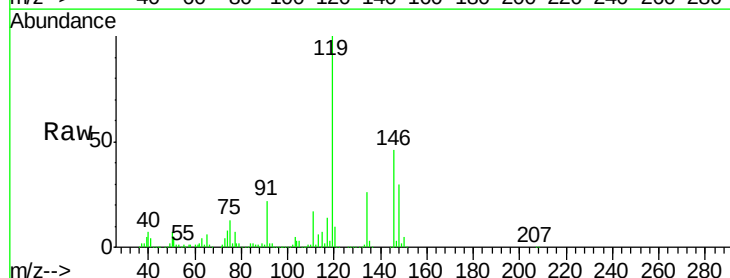
Tgt Ion:119 Resp: 1020457

Ion Ratio Lower Upper

119 100

134 27.0 13.6 40.8

91 22.2 11.1 33.3



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

800000

600000

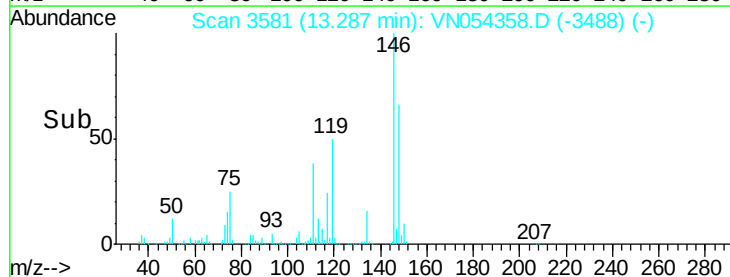
400000

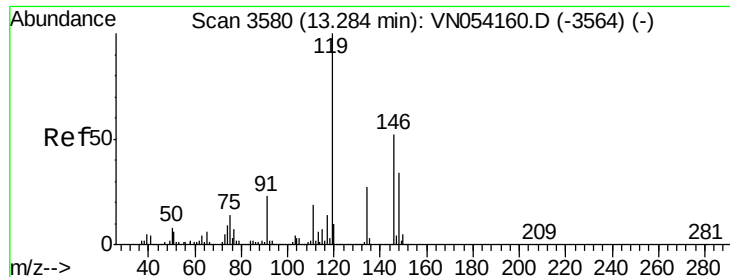
200000

0

13.20 13.25 13.30 13.35

Time-->





#87

1,3-Dichlorobenzene

Concen: 21.278 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN054358.D

Acq: 17 Mar 2019 1:53

Instrument :

MSVOA_N

ClientSampleId :

VN0316WBSD02

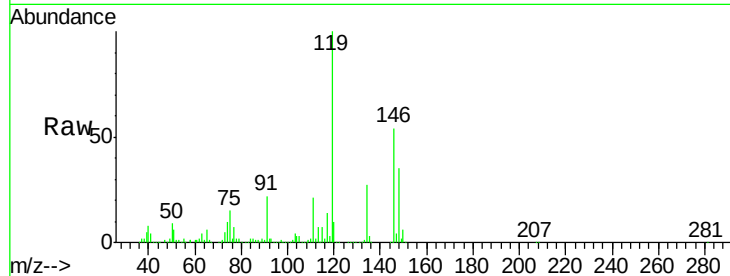
Tot Ion:146 Resp: 544810

Ion Ratio Lower Upper

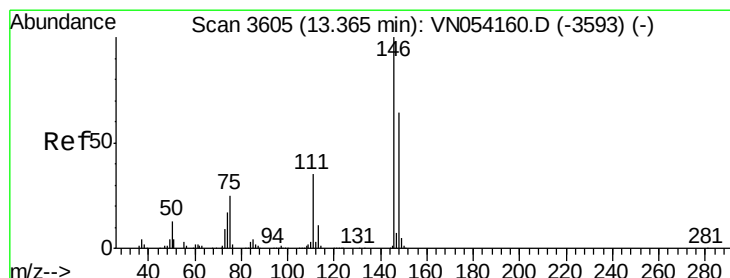
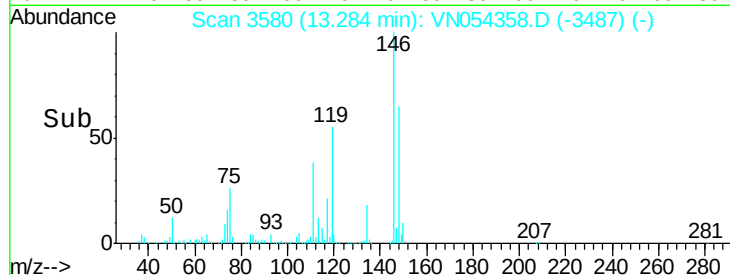
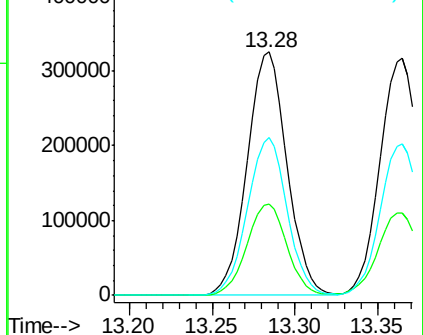
146 100

111 37.8 18.8 56.3

148 64.5 32.2 96.6



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



#88

1,4-Dichlorobenzene

Concen: 21.051 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. -0.00 min

Lab File: VN054358.D

Acq: 17 Mar 2019 1:53

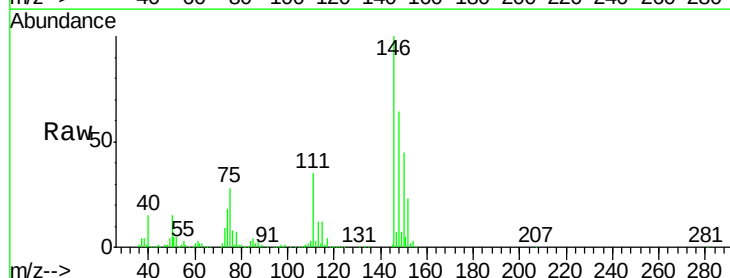
Tgt Ion:146 Resp: 529483

Ion Ratio Lower Upper

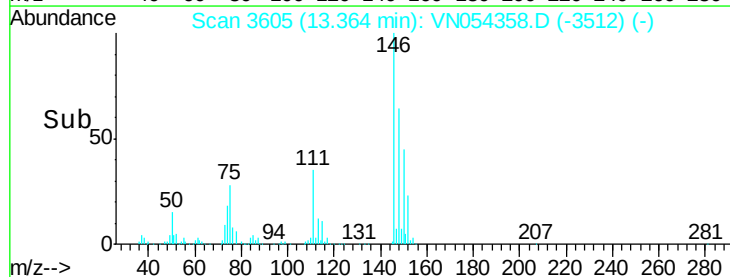
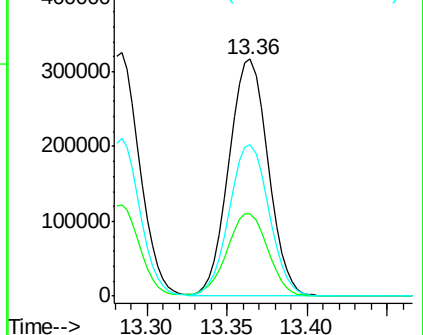
146 100

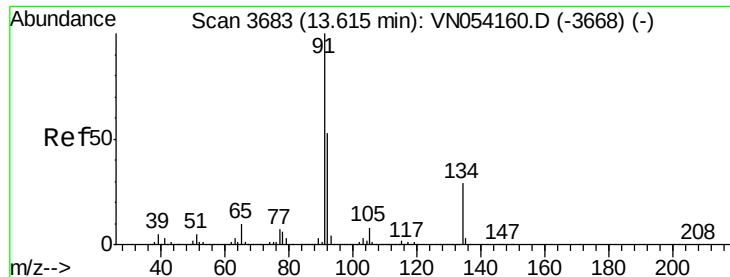
111 36.3 18.1 54.1

148 65.0 32.0 96.0



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

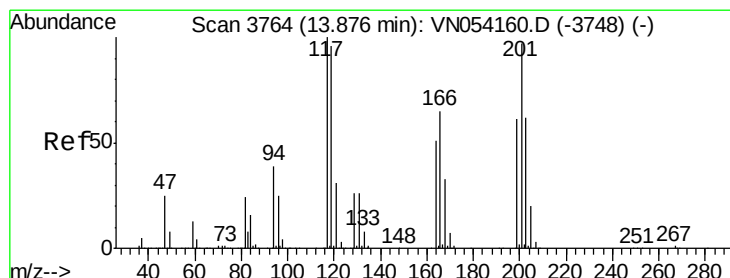
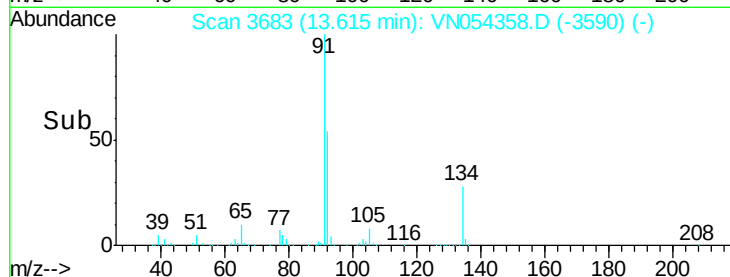
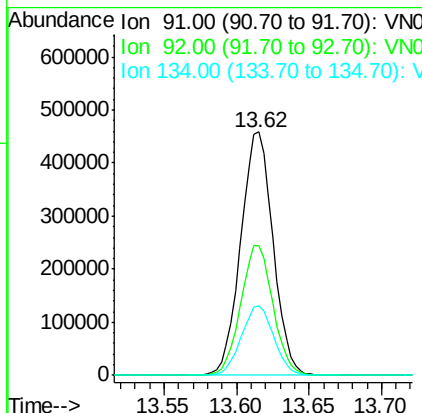
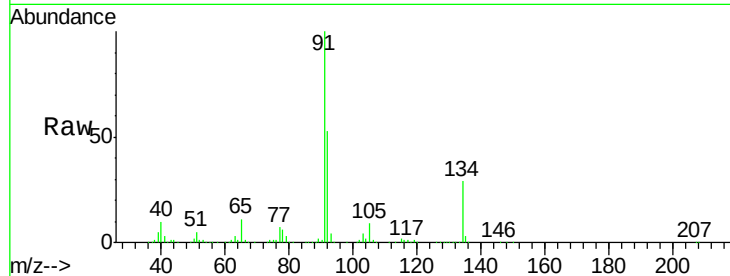




#89
n-Butylbenzene
Concen: 18.722 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN054358.D
Acq: 17 Mar 2019 1:53

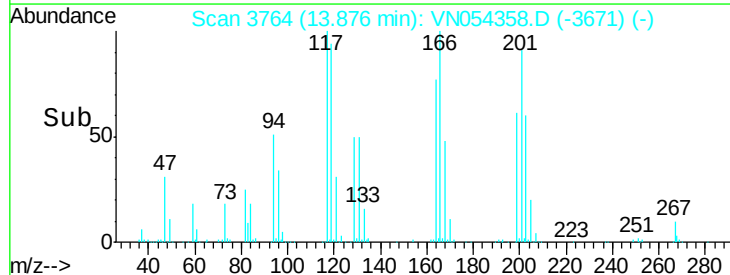
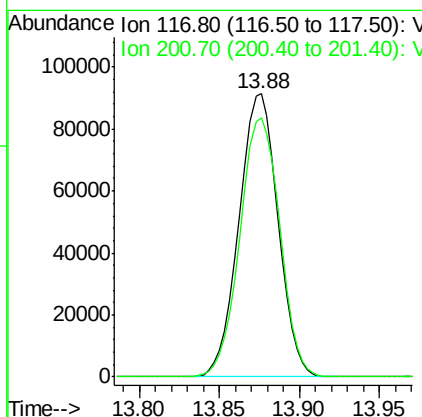
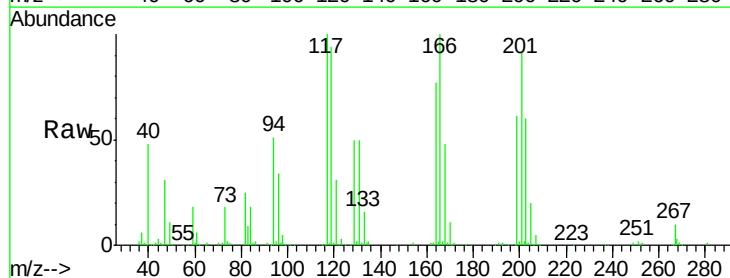
Instrument :
MSVOA_N
ClientSampleId :
VN0316WBSD02

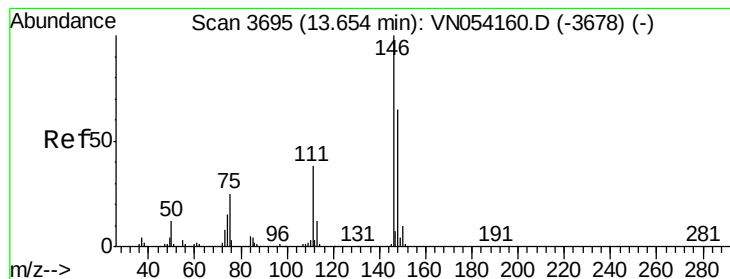
Tot Ion: 91 Resp: 711530
Ion Ratio Lower Upper
91 100
92 53.1 26.2 78.6
134 28.6 14.3 42.9



#90
Hexachloroethane
Concen: 18.316 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN054358.D
Acq: 17 Mar 2019 1:53

Tgt Ion: 117 Resp: 151701
Ion Ratio Lower Upper
117 100
201 93.9 48.1 144.4





#91

1,2-Dichlorobenzene

Concen: 22.324 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN054358.D

Acq: 17 Mar 2019 1:53

Instrument :

MSVOA_N

ClientSampled :

VN0316WBSD02

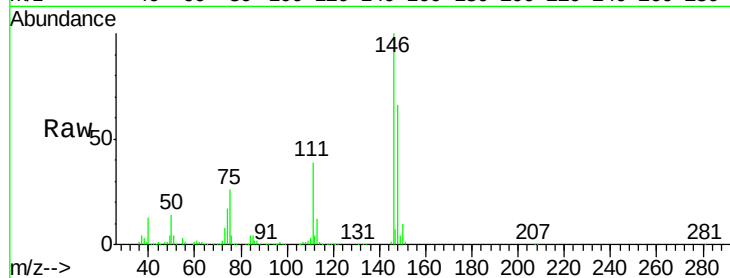
Tot Ion:146 Resp: 558792

Ion Ratio Lower Upper

146 100

111 38.5 19.1 57.3

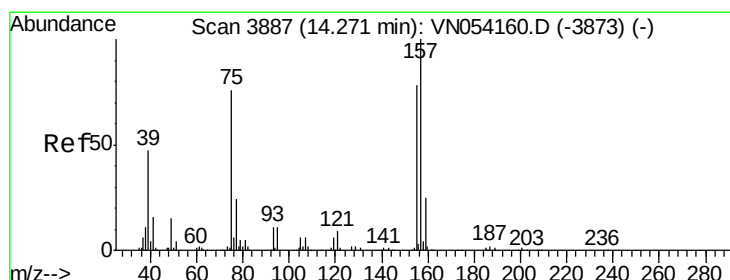
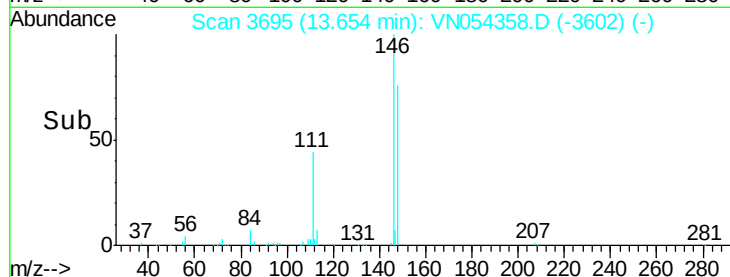
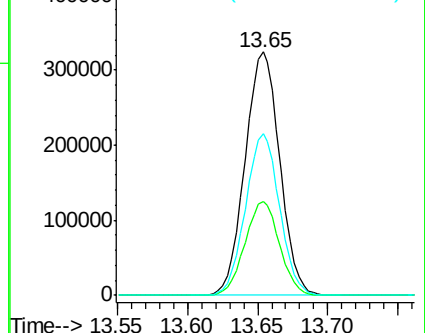
148 65.1 32.4 97.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.088 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN054358.D

Acq: 17 Mar 2019 1:53

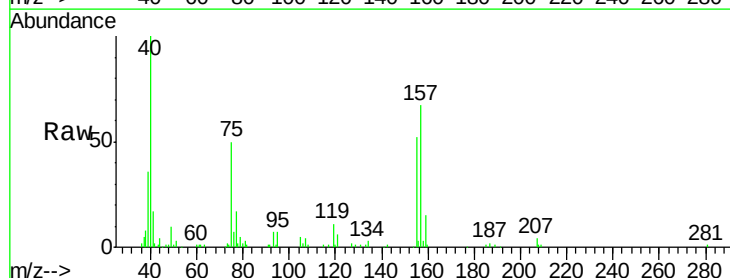
Tgt Ion: 75 Resp: 38030

Ion Ratio Lower Upper

75 100

155 102.4 50.1 150.3

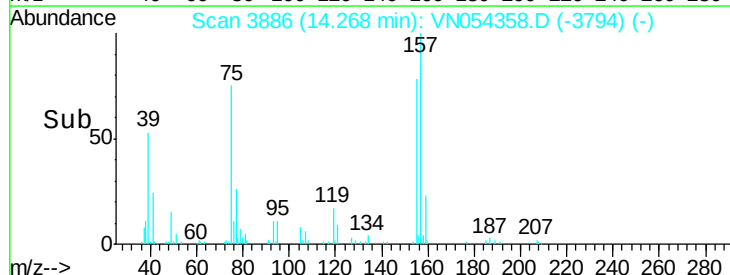
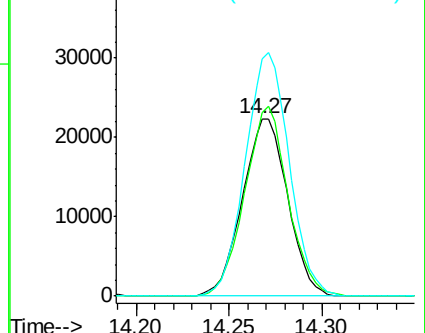
157 133.3 63.1 189.3

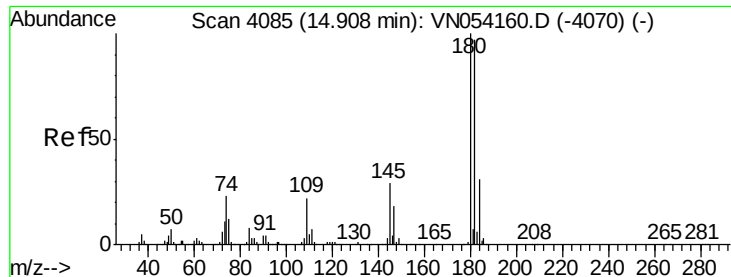


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

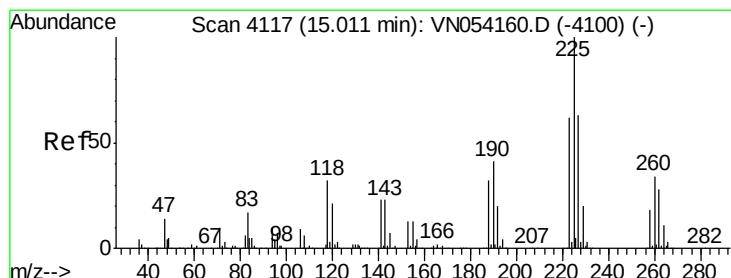
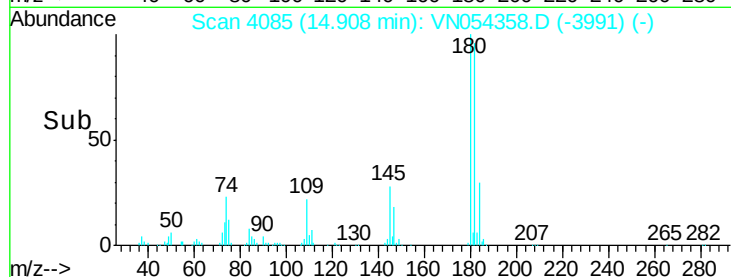
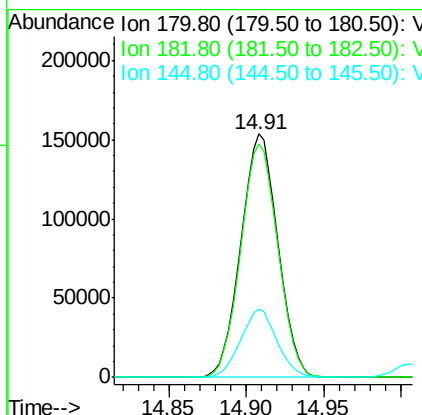
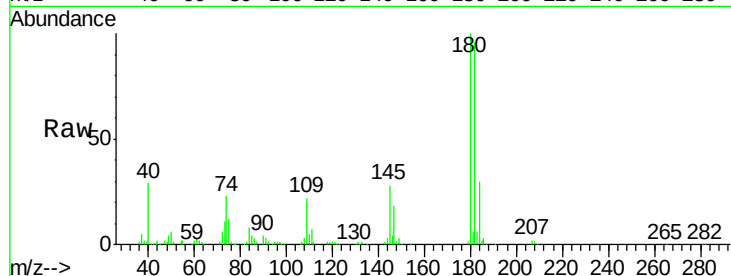




#93
 1,2,4-Trichlorobenzene
 Concen: 18.535 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN054358.D
 Acq: 17 Mar 2019 1:53

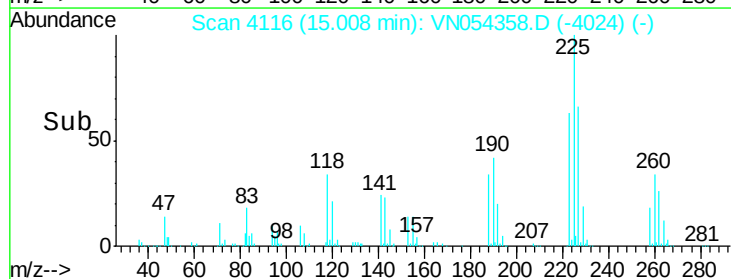
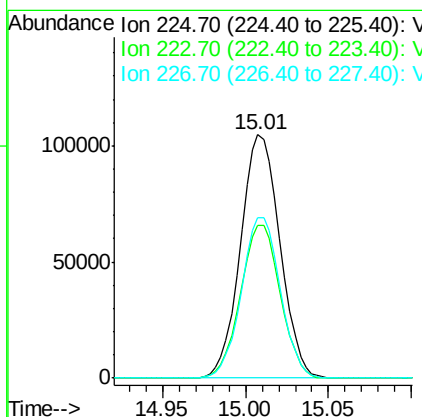
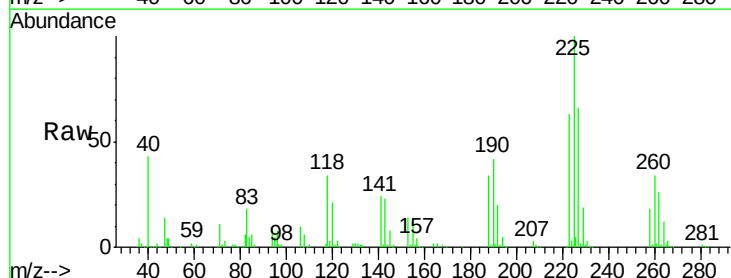
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0316WBSD02

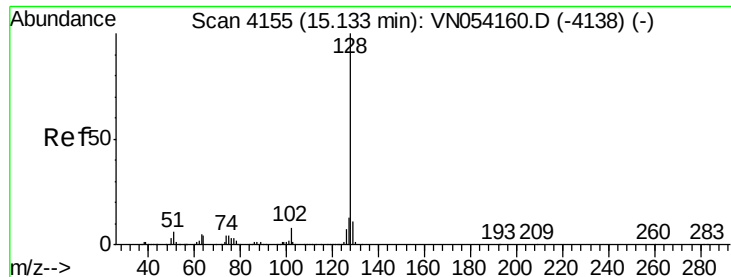
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.5	48.0	144.2
145	27.4	14.2	42.8



#94
 Hexachlorobutadiene
 Concen: 18.137 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN054358.D
 Acq: 17 Mar 2019 1:53

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.3	31.1	93.5
227	65.1	31.9	95.9





#95

Naphthalene

Concen: 20.224 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN054358.D

Acq: 17 Mar 2019 1:53

Instrument :

MSVOA_N

ClientSampleId :

VN0316WBSD02

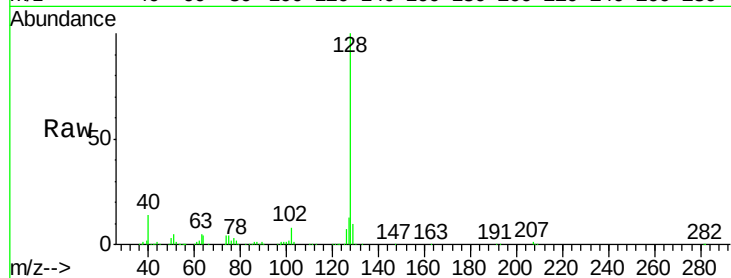
Tot Ion:128 Resp: 566747

Ion Ratio Lower Upper

128 100

127 12.4 10.1 15.1

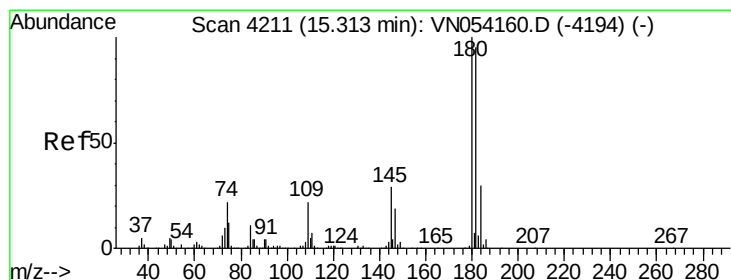
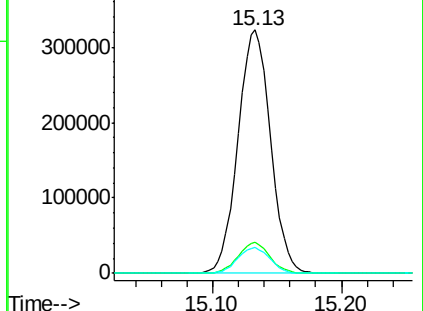
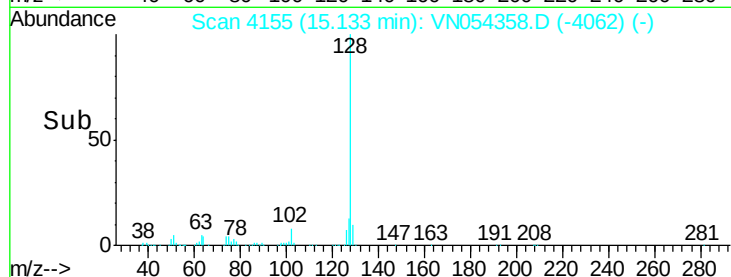
129 10.6 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 20.670 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN054358.D

Acq: 17 Mar 2019 1:53

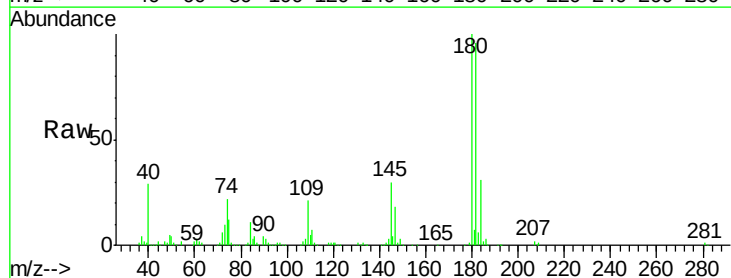
Tgt Ion:180 Resp: 274894

Ion Ratio Lower Upper

180 100

182 94.0 47.5 142.6

145 29.3 14.8 44.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

