

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032319\
 Data File : VN054601.D
 Acq On : 23 Mar 2019 13:42
 Operator : JC/SP
 Sample : VN0323WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0323WBS01

Quant Time: Mar 25 03:29:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 02:09:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	448840	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	744500	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	638627	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	267401	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	313028	56.07	ug/l	0.00
Spiked Amount			Recovery	=	112.14%	
35) Dibromofluoromethane	7.59	113	247172	51.53	ug/l	0.00
Spiked Amount			Recovery	=	103.06%	
50) Toluene-d8	10.09	98	899665	49.89	ug/l	0.00
Spiked Amount			Recovery	=	99.78%	
62) 4-Bromofluorobenzene	12.40	95	301714	49.17	ug/l	0.00
Spiked Amount			Recovery	=	98.34%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	92159	21.478	ug/l	97
3) Chloromethane	2.06	50	126014	21.585	ug/l	100
4) Vinyl Chloride	2.19	62	122632	20.922	ug/l	98
5) Bromomethane	2.57	94	71354	18.827	ug/l	97
6) Chloroethane	2.71	64	66533	18.925	ug/l	95
7) Trichlorofluoromethane	3.02	101	147759	20.758	ug/l	99
8) Diethyl Ether	3.41	74	52305	19.106	ug/l	75
9) 1,1,2-Trichlorotrifluoroet	3.75	101	77265	18.470	ug/l	93
10) Methyl Iodide	3.94	142	102447	16.648	ug/l	91
11) Tert butyl alcohol	4.82	59	41617	123.128	ug/l	95
12) 1,1-Dichloroethene	3.73	96	77741	17.957	ug/l #	81
13) Acrolein	3.61	56	45825	98.244	ug/l	95
14) Allyl chloride	4.32	41	177856	21.817	ug/l #	92
15) Acrylonitrile	4.99	53	201131	119.493	ug/l	98
16) Acetone	3.82	43	169788	101.155	ug/l #	81
17) Carbon Disulfide	4.04	76	206199	17.776	ug/l	98
18) Methyl Acetate	4.33	43	93288	24.935	ug/l #	88
19) Methyl tert-butyl Ether	5.05	73	283992	22.477	ug/l	97
20) Methylene Chloride	4.54	84	104618	21.144	ug/l #	83
21) trans-1,2-Dichloroethene	5.04	96	95404	21.582	ug/l #	78
22) Diisopropyl ether	5.96	45	378112	23.514	ug/l #	94
23) Vinyl Acetate	5.90	43	1329674	117.081	ug/l #	93
24) 1,1-Dichloroethane	5.85	63	194533	22.469	ug/l	98
25) 2-Butanone	6.85	43	261473	121.608	ug/l #	86
26) 2,2-Dichloropropane	6.82	77	130120	21.083	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	109904	20.844	ug/l	85
28) Bromochloromethane	7.20	49	98442	23.099	ug/l #	70
29) Tetrahydrofuran	7.22	42	174273	124.900	ug/l #	85
30) Chloroform	7.37	83	187759	22.221	ug/l	99
31) Cyclohexane	7.65	56	187039	21.486	ug/l	90
32) 1,1,1-Trichloroethane	7.57	97	153381	22.003	ug/l	95
36) 1,1-Dichloropropene	7.79	75	139838	20.088	ug/l	96
37) Ethyl Acetate	6.94	43	116267	23.484	ug/l #	94
38) Carbon Tetrachloride	7.77	117	130968	19.361	ug/l	98

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.08	83	149557	18.782	ug/l	88
40) Benzene	8.04	78	414793	20.838	ug/l	100
41) Methacrylonitrile	7.18	41	66040	21.872	ug/l #	90
42) 1,2-Dichloroethane	8.12	62	156531	21.593	ug/l	97
43) Isopropyl Acetate	8.17	43	191582	22.912	ug/l #	94
44) Trichloroethene	8.83	130	108573	19.619	ug/l	90
45) 1,2-Dichloropropane	9.12	63	117801	22.039	ug/l	100
46) Dibromomethane	9.21	93	66879	20.973	ug/l	92
47) Bromodichloromethane	9.40	83	136381	20.608	ug/l	98
48) Methyl methacrylate	9.20	41	96557	21.276	ug/l	88
49) 1,4-Dioxane	9.21	88	22689	447.198	ug/l #	87
51) 4-Methyl-2-Pentanone	9.99	43	538959	116.306	ug/l	94
52) Toluene	10.16	92	246155	20.106	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	121903	18.915	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	155750	20.526	ug/l #	88
55) 1,1,2-Trichloroethane	10.56	97	94369	21.443	ug/l	96
56) Ethyl methacrylate	10.43	69	124884	21.142	ug/l #	83
57) 1,3-Dichloropropane	10.71	76	167506	21.896	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	236218	97.116	ug/l	90
59) 2-Hexanone	10.75	43	341799	112.922	ug/l	91
60) Dibromochloromethane	10.90	129	93039	19.868	ug/l	99
61) 1,2-Dibromoethane	11.00	107	91860	21.113	ug/l	98
64) Tetrachloroethene	10.63	164	106220	20.052	ug/l	96
65) Chlorobenzene	11.43	112	263741	20.305	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	96295	20.655	ug/l	99
67) Ethyl Benzene	11.51	91	467857	20.391	ug/l	97
68) m/p-Xylenes	11.62	106	345588	39.766	ug/l	96
69) o-Xylene	11.95	106	172642	20.341	ug/l	98
70) Styrene	11.96	104	277751	20.152	ug/l	96
71) Bromoform	12.13	173	54444	18.407	ug/l #	96
73) Isopropylbenzene	12.25	105	453687	21.055	ug/l	97
74) N-amyl acetate	12.07	43	144306	23.291	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.50	83	112922	22.957	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	135206	31.864	ug/l #	100
77) Bromobenzene	12.53	156	111109	20.791	ug/l	86
78) n-propylbenzene	12.59	91	484148	20.721	ug/l	97
79) 2-Chlorotoluene	12.67	91	305586	20.973	ug/l	94
80) 1,3,5-Trimethylbenzene	12.73	105	367051	20.784	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	21058	19.195	ug/l #	73
82) 4-Chlorotoluene	12.77	91	292746	20.728	ug/l	95
83) tert-Butylbenzene	12.99	119	316083	20.562	ug/l	94
84) 1,2,4-Trimethylbenzene	13.04	105	357934	20.656	ug/l	97
85) sec-Butylbenzene	13.17	105	389665	20.334	ug/l	97
86) p-Isopropyltoluene	13.29	119	344059	20.069	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	177590	20.053	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	172817	20.056	ug/l	97
89) n-Butylbenzene	13.61	91	259192	19.335	ug/l	98
90) Hexachloroethane	13.87	117	49900	18.751	ug/l	93
91) 1,2-Dichlorobenzene	13.65	146	179022	20.870	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	16355	22.669	ug/l	77

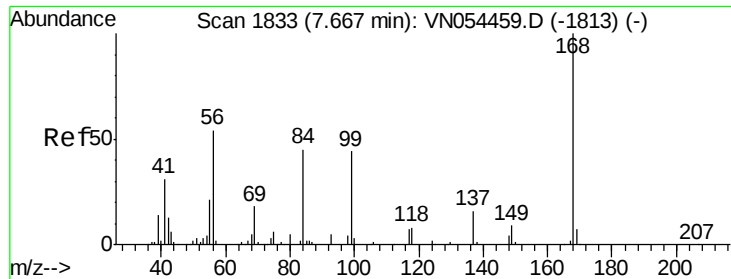
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032319\
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032019W.M
Quant Title : SW846 8260
QLast Update : Fri Mar 22 02:09:07 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	79021	18.479	ug/l	100
94) Hexachlorobutadiene	15.01	225	49025	18.862	ug/l	98
95) Naphthalene	15.13	128	187107	19.617	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	82597	19.407	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN054601.D

Acq: 23 Mar 2019 13:42

Instrument :

MSVOA_N

ClientSampleId :

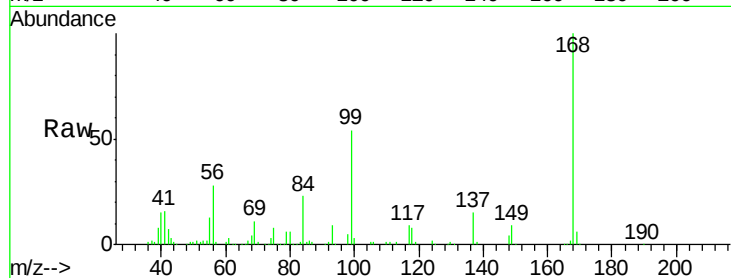
VN0323WBS01

Tot Ion:168 Resp: 448840

Ion Ratio Lower Upper

168 100

99 53.0 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.66

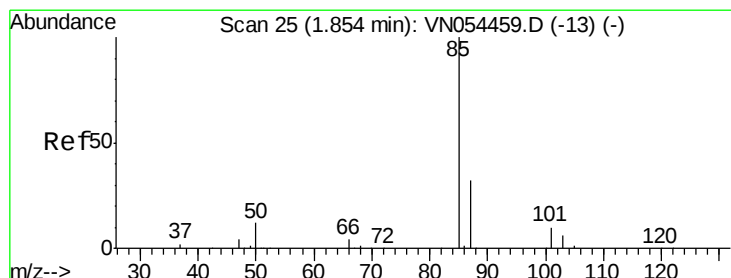
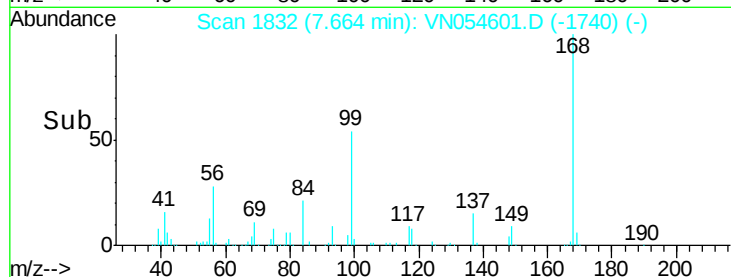
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 21.478 ug/l

RT: 1.85 min Scan# 25

Delta R.T. -0.00 min

Lab File: VN054601.D

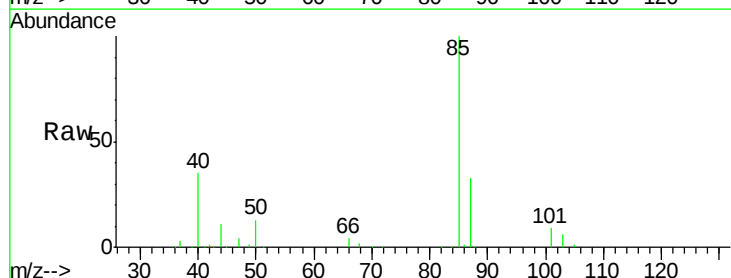
Acq: 23 Mar 2019 13:42

Tgt Ion: 85 Resp: 92159

Ion Ratio Lower Upper

85 100

87 33.2 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

1.85

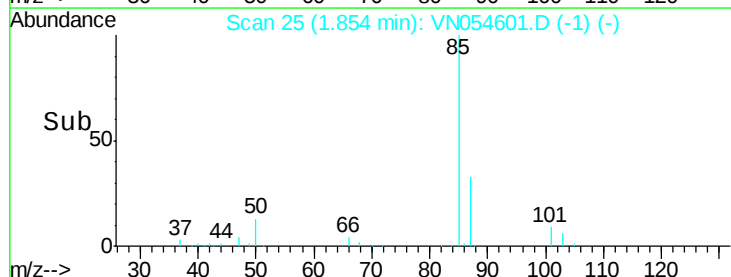
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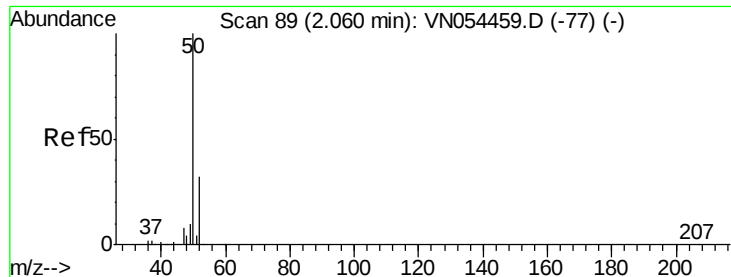
40000

20000

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Time-->





#3

Chloromethane

Concen: 21.585 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN054601.D

Acq: 23 Mar 2019 13:42

Instrument :

MSVOA_N

ClientSampleId :

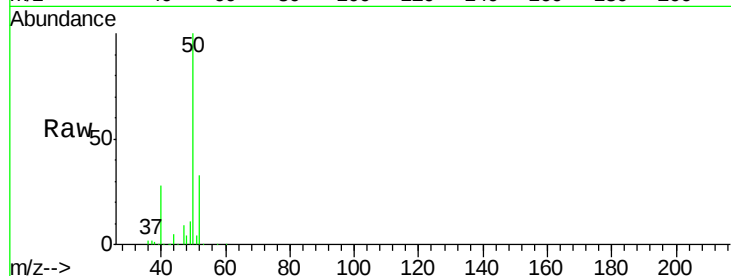
VN0323WBS01

Tot Ion: 50 Resp: 126014

Ion Ratio Lower Upper

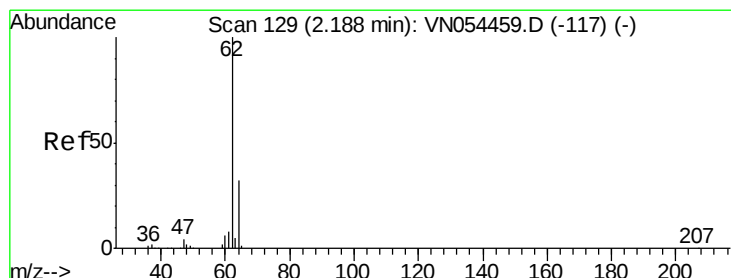
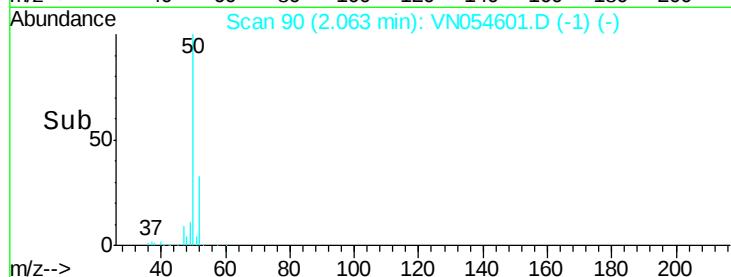
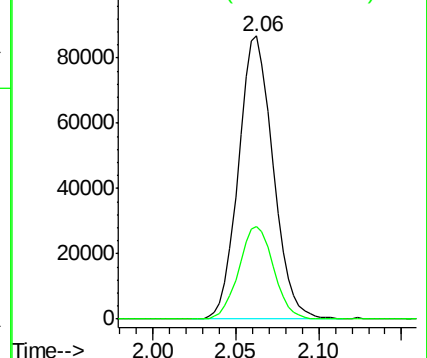
50 100

52 32.9 26.4 39.6



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 20.922 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN054601.D

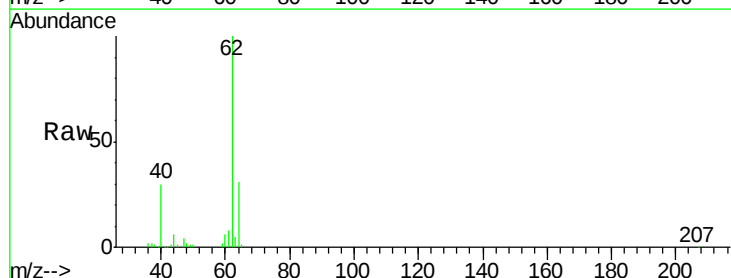
Acq: 23 Mar 2019 13:42

Tgt Ion: 62 Resp: 122632

Ion Ratio Lower Upper

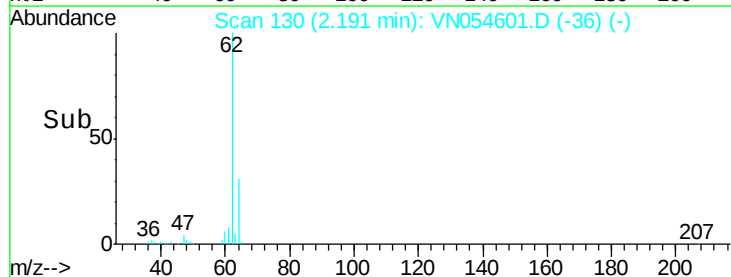
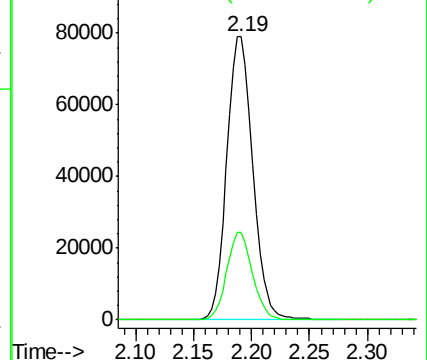
62 100

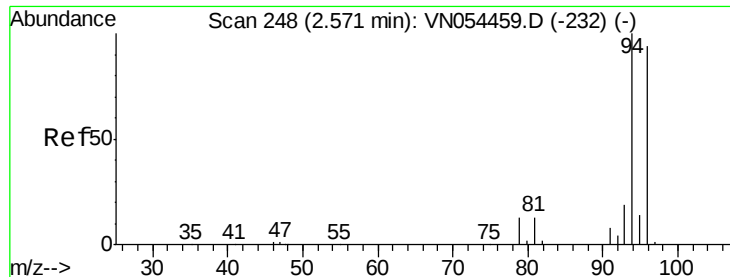
64 30.8 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 18.827 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN054601.D

Acq: 23 Mar 2019 13:42

Instrument :

MSVOA_N

ClientSampleId :

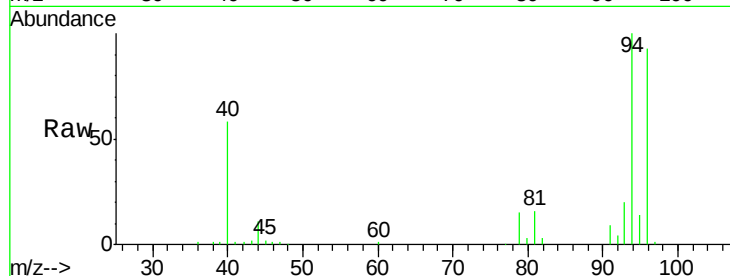
VN0323WBS01

Tot Ion: 94 Resp: 71354

Ion Ratio Lower Upper

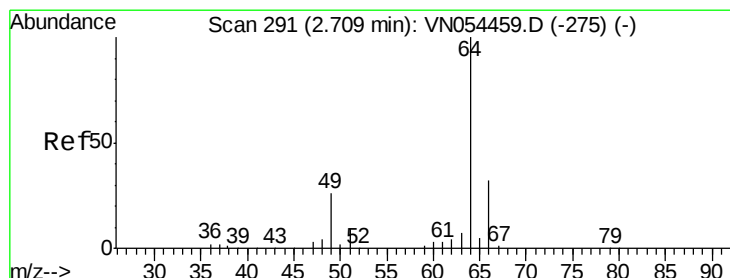
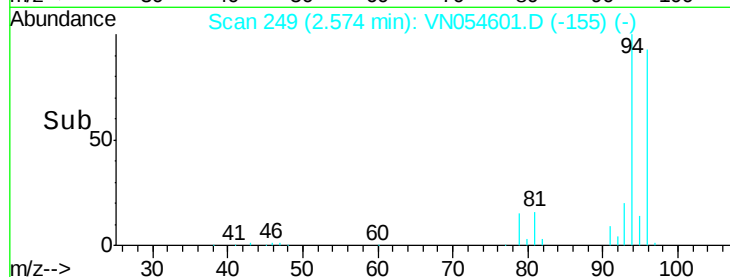
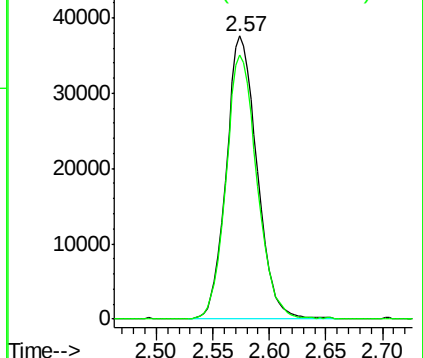
94 100

96 93.5 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: 18.925 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN054601.D

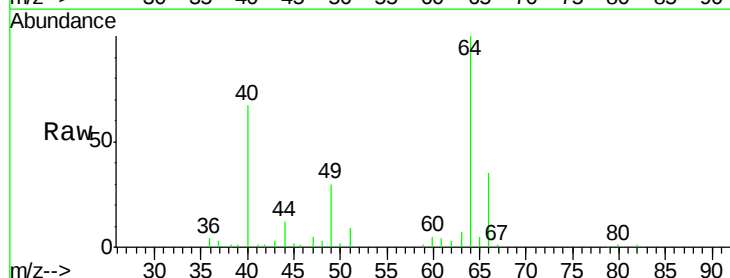
Acq: 23 Mar 2019 13:42

Tgt Ion: 64 Resp: 66533

Ion Ratio Lower Upper

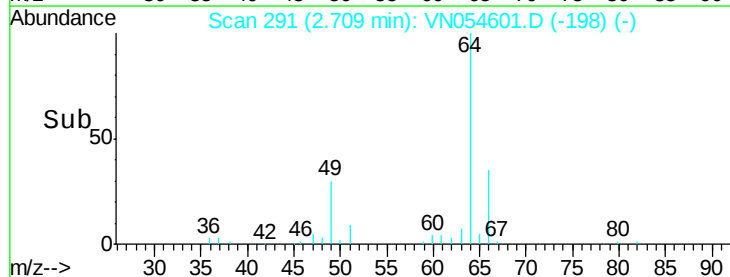
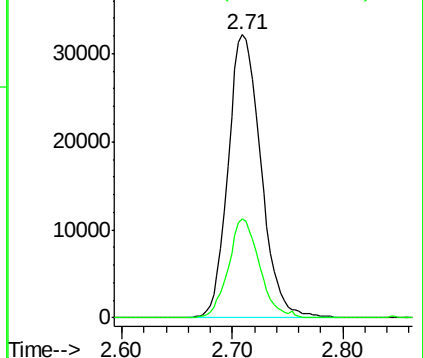
64 100

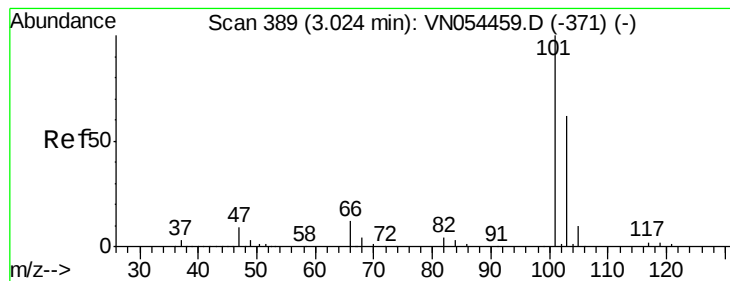
66 35.1 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



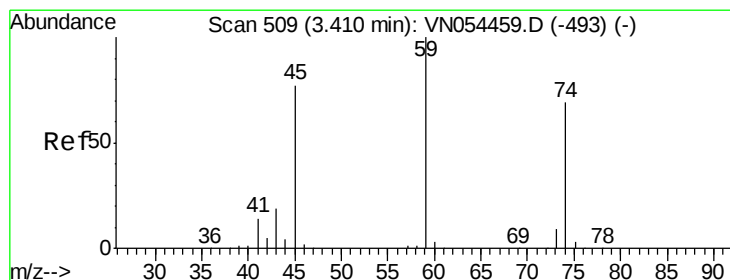
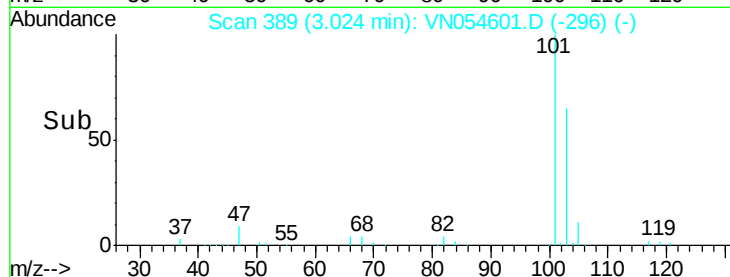
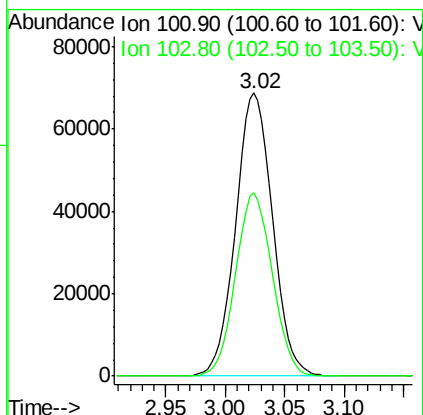
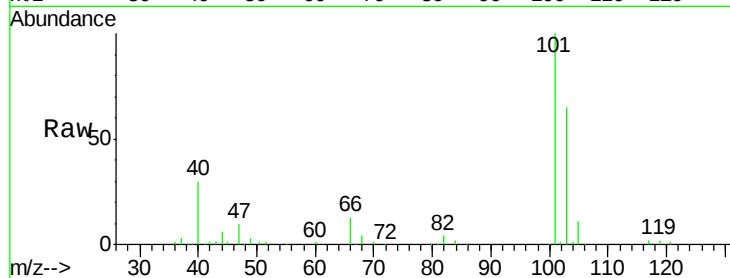


#7

Trichlorofluoromethane
Concen: 20.758 ug/l
RT: 3.02 min Scan# 389
Delta R.T. -0.00 min
Lab File: VN054601.D
Acq: 23 Mar 2019 13:42

Instrument :
MSVOA_N
ClientSampleId :
VN0323WBS01

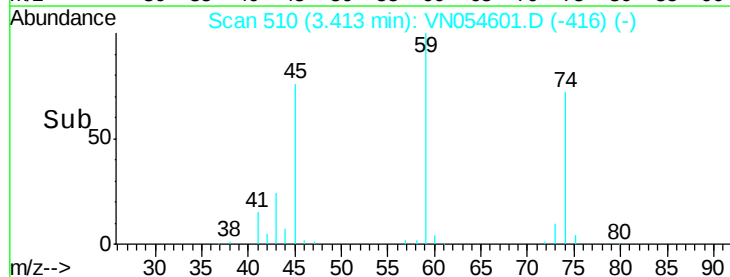
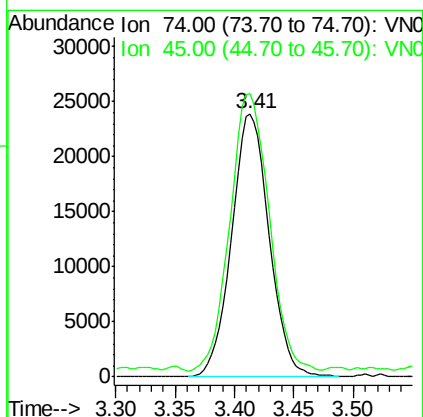
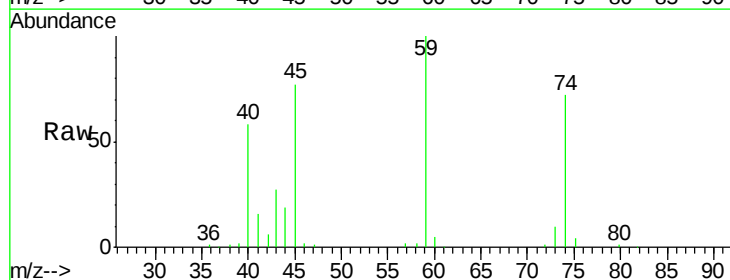
Tot Ion:101 Resp: 147759
Ion Ratio Lower Upper
101 100
103 64.9 51.4 77.2

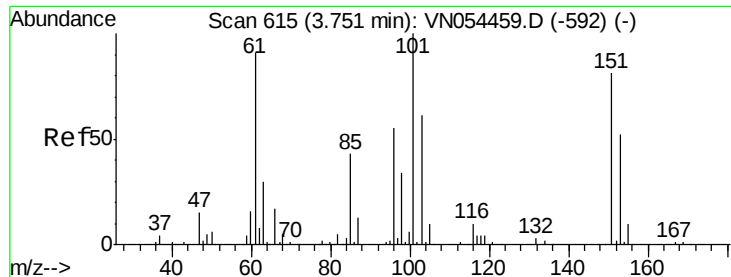


#8

Diethyl Ether
Concen: 19.106 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN054601.D
Acq: 23 Mar 2019 13:42

Tgt Ion: 74 Resp: 52305
Ion Ratio Lower Upper
74 100
45 109.7 43.1 129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.470 ug/l

RT: 3.75 min Scan# 615

Delta R.T. -0.00 min

Lab File: VN054601.D

Acq: 23 Mar 2019 13:42

Instrument :

MSVOA_N

ClientSampleId :

VN0323WBS01

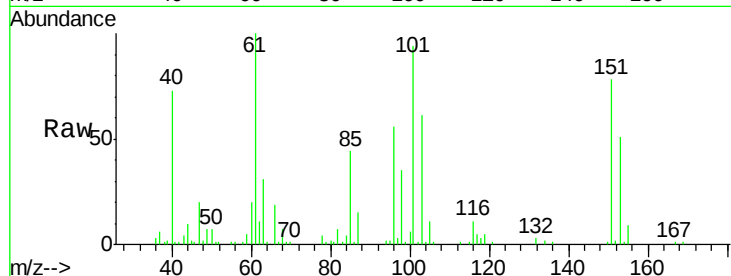
Tot Ion:101 Resp: 77265

Ion Ratio Lower Upper

101 100

85 44.9 32.4 48.6

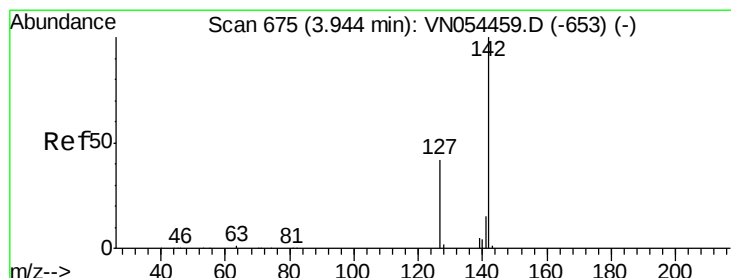
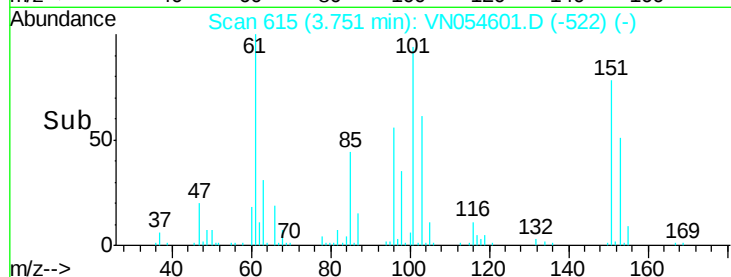
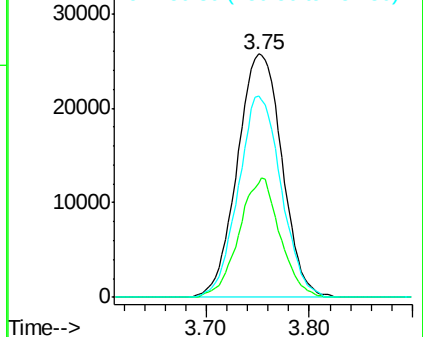
151 79.5 68.2 102.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 16.648 ug/l

RT: 3.94 min Scan# 675

Delta R.T. -0.00 min

Lab File: VN054601.D

Acq: 23 Mar 2019 13:42

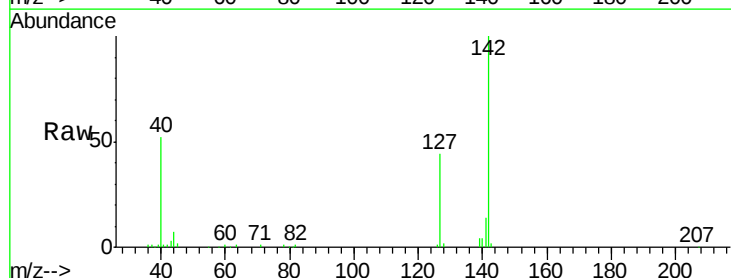
Tgt Ion:142 Resp: 102447

Ion Ratio Lower Upper

142 100

127 45.4 30.3 45.5

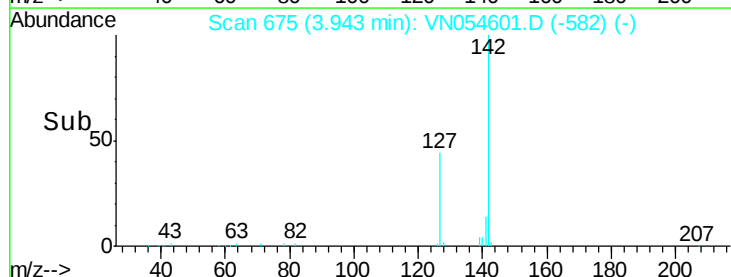
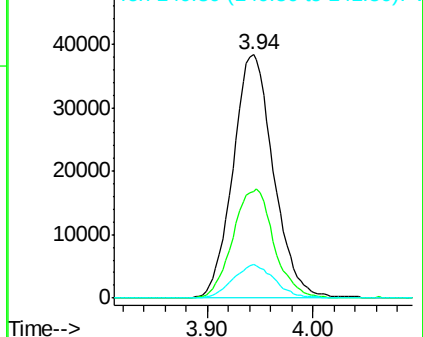
141 14.1 11.2 16.8

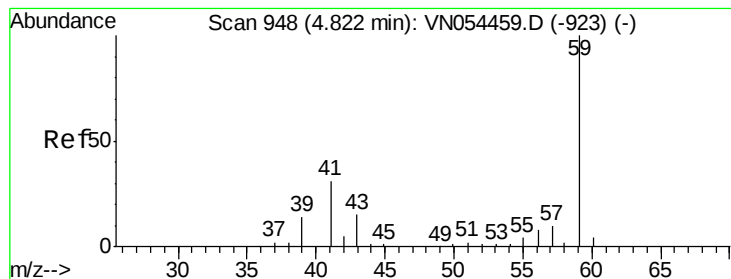


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



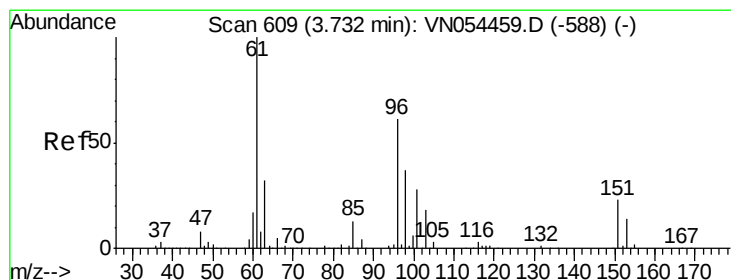
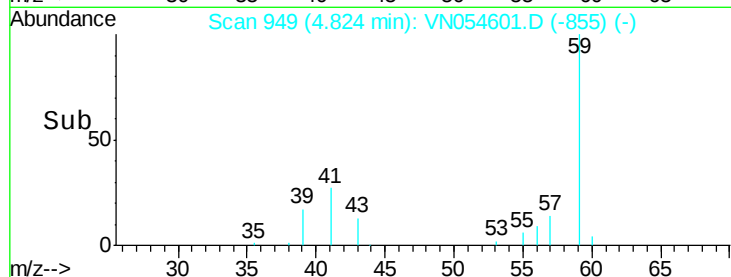
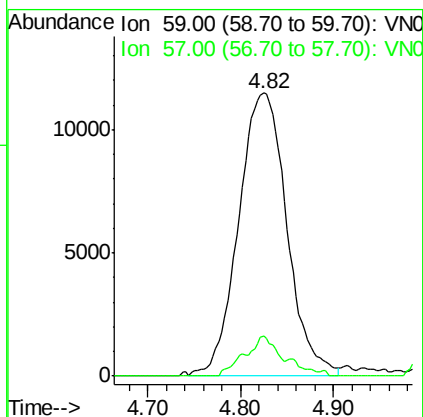
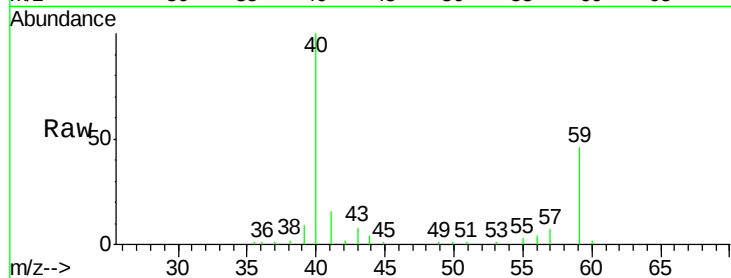


#11

Tert butyl alcohol
 Concen: 123.128 ug/l
 RT: 4.82 min Scan# 949
 Delta R.T. 0.00 min
 Lab File: VN054601.D
 Acq: 23 Mar 2019 13:42

Instrument :
 MSVOA_N
 ClientSampled :
 VN0323WBS01

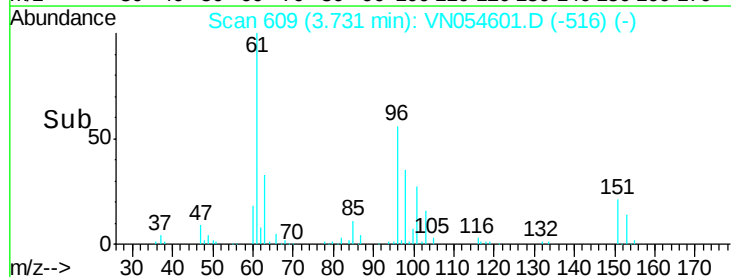
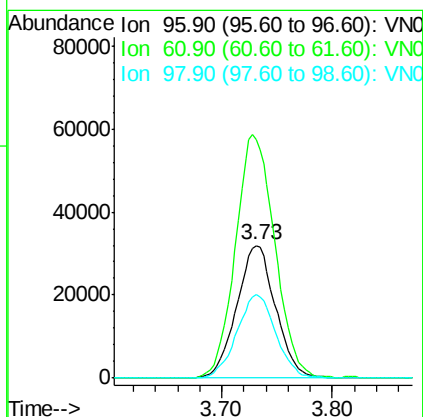
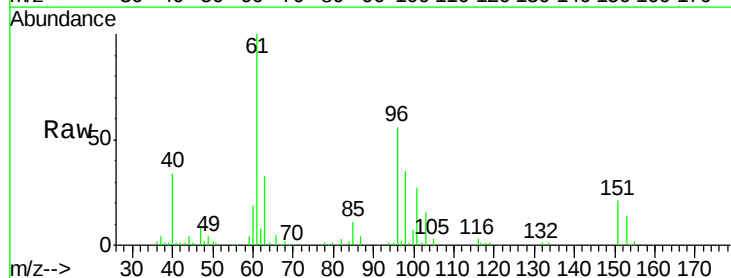
Tot Ion: 59 Resp: 41617
 Ion Ratio Lower Upper
 59 100
 57 9.2 9.0 13.6

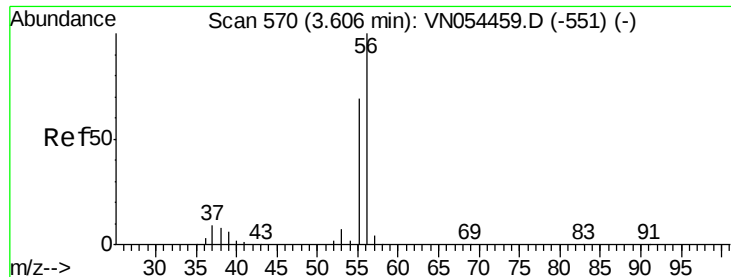


#12

1,1-Dichloroethene
 Concen: 17.957 ug/l
 RT: 3.73 min Scan# 609
 Delta R.T. -0.00 min
 Lab File: VN054601.D
 Acq: 23 Mar 2019 13:42

Tgt Ion: 96 Resp: 77741
 Ion Ratio Lower Upper
 96 100
 61 179.8 116.5 174.7#
 98 62.7 51.0 76.4





#13

Acrolein

Concen: 98.244 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN054601.D

Acq: 23 Mar 2019 13:42

Instrument :

MSVOA_N

ClientSampleId :

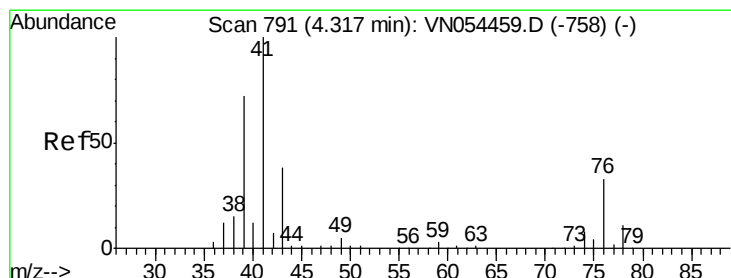
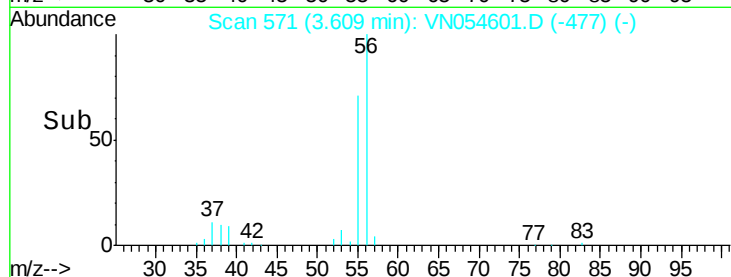
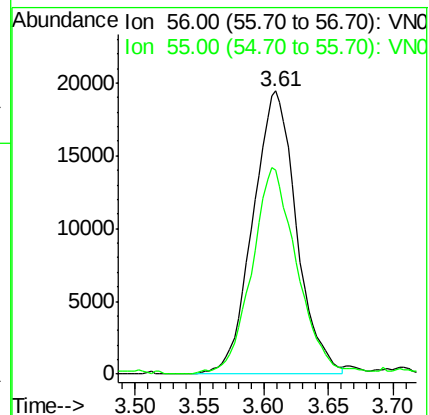
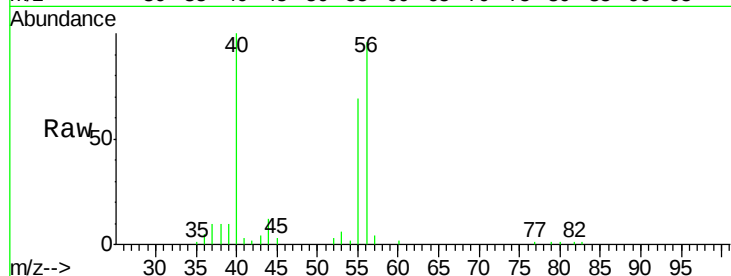
VN0323WBS01

Tot Ion: 56 Resp: 45825

Ion Ratio Lower Upper

56 100

55 74.7 56.7 85.1



#14

Allyl chloride

Concen: 21.817 ug/l

RT: 4.32 min Scan# 791

Delta R.T. -0.00 min

Lab File: VN054601.D

Acq: 23 Mar 2019 13:42

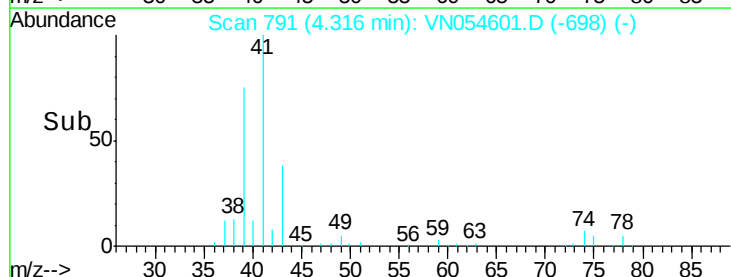
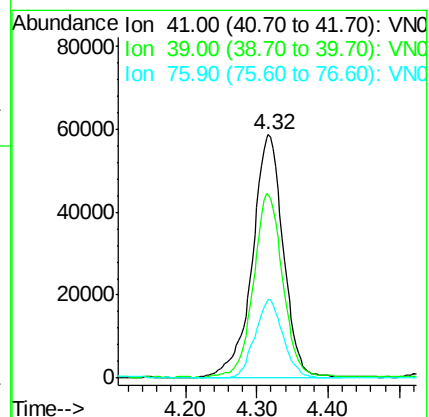
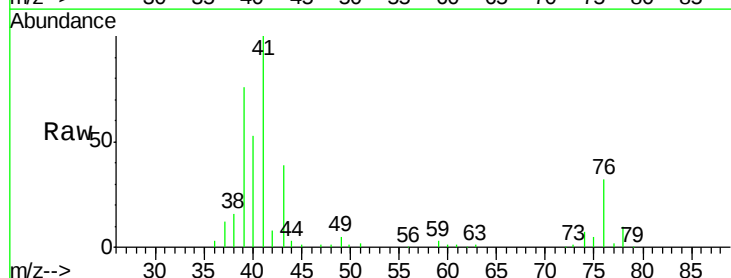
Tgt Ion: 41 Resp: 177856

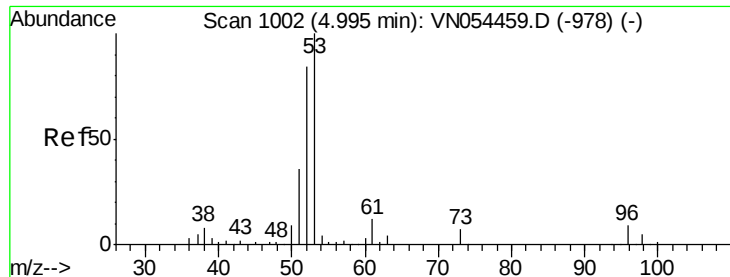
Ion Ratio Lower Upper

41 100

39 70.4 58.2 87.4

76 29.0 31.7 47.5#

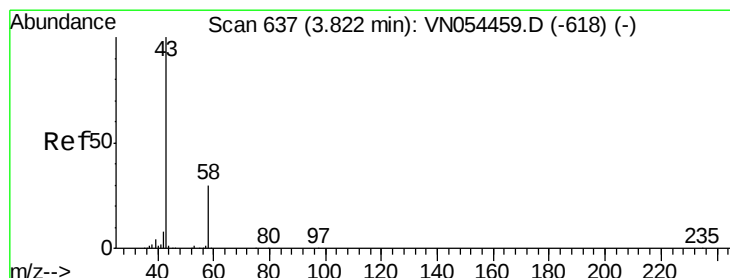
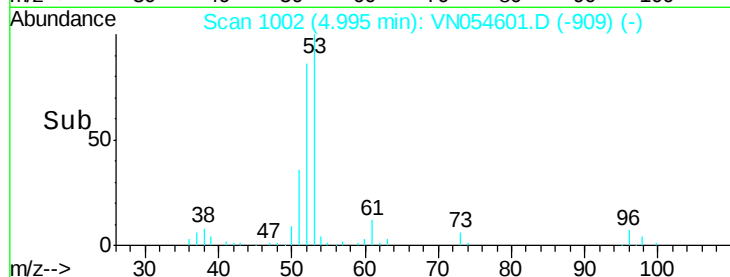
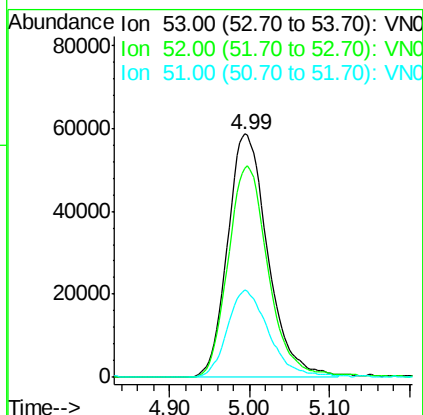
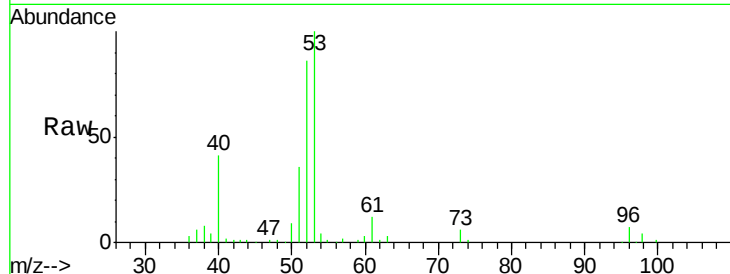




#15
 Acrylonitrile
 Concen: 119.493 ug/l
 RT: 4.99 min Scan# 1002
 Delta R.T. -0.00 min
 Lab File: VN054601.D
 Acq: 23 Mar 2019 13:42

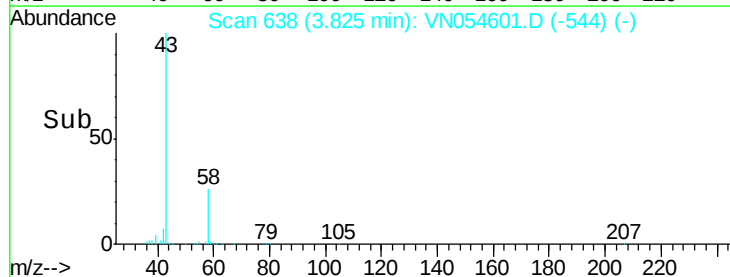
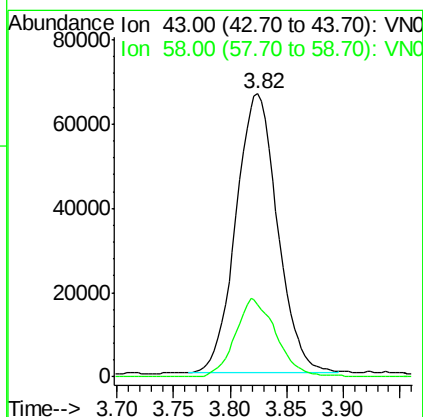
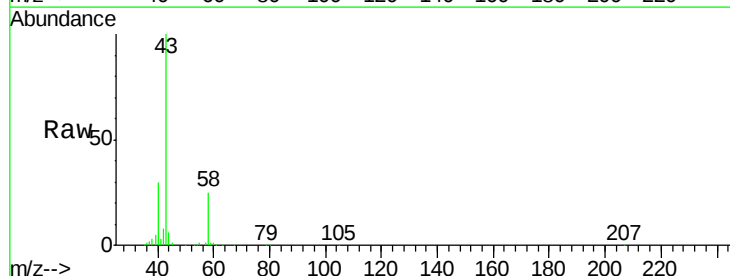
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0323WBS01

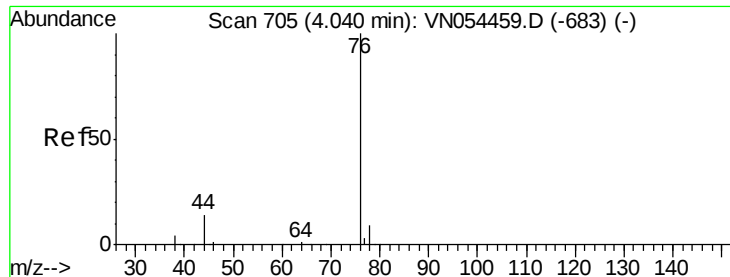
Tot Ion: 53 Resp: 201131
 Ion Ratio Lower Upper
 53 100
 52 86.0 66.4 99.6
 51 36.8 29.6 44.4



#16
 Acetone
 Concen: 101.155 ug/l
 RT: 3.82 min Scan# 638
 Delta R.T. 0.00 min
 Lab File: VN054601.D
 Acq: 23 Mar 2019 13:42

Tgt Ion: 43 Resp: 169788
 Ion Ratio Lower Upper
 43 100
 58 25.8 29.9 44.9#

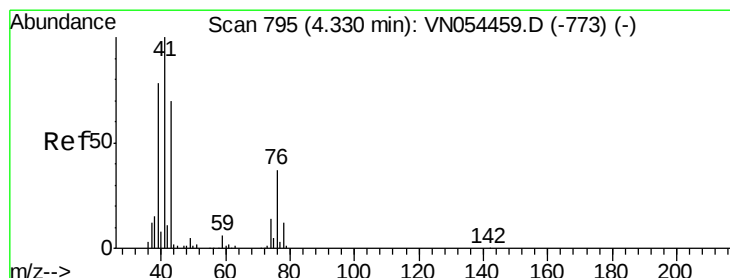
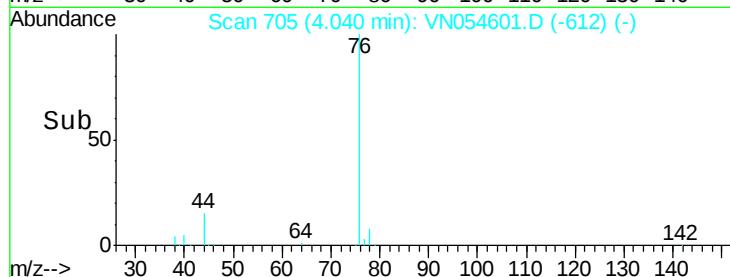
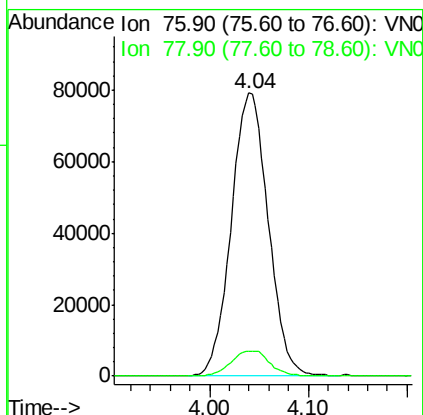
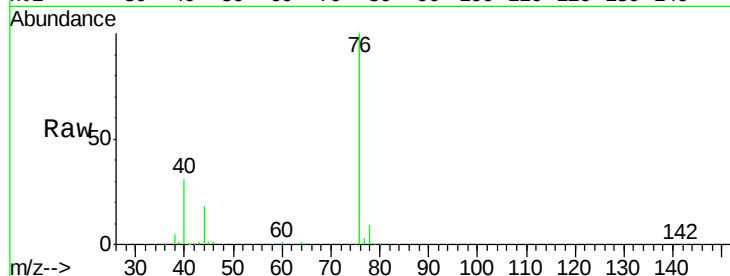




#17
Carbon Disulfide
Concen: 17.776 ug/l
RT: 4.04 min Scan# 705
Delta R.T. -0.00 min
Lab File: VN054601.D
Acq: 23 Mar 2019 13:42

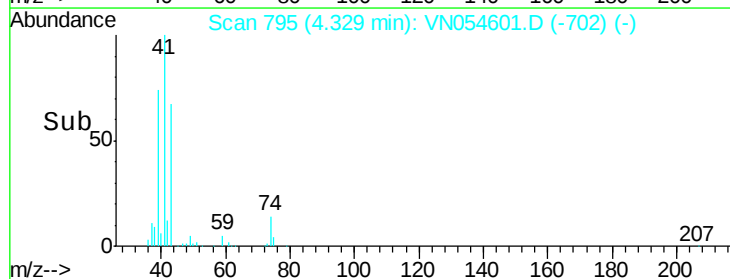
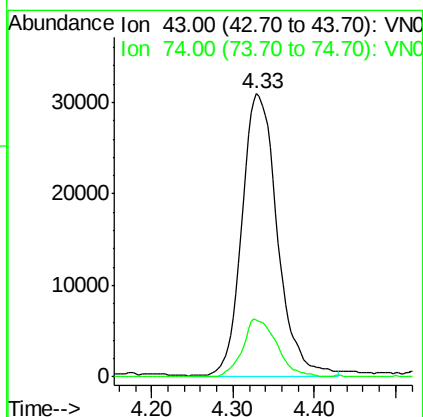
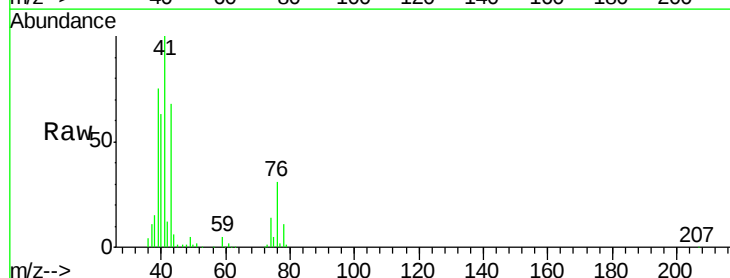
Instrument :
MSVOA_N
ClientSampleId :
VN0323WBS01

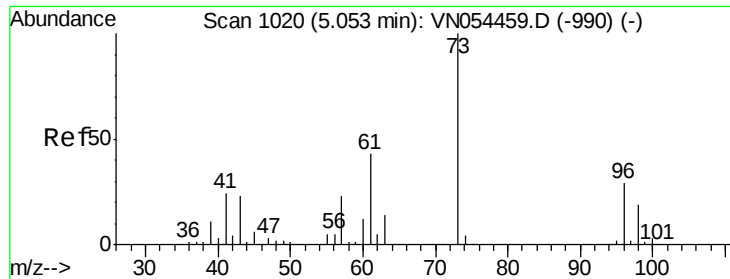
Tot Ion: 76 Resp: 206199
Ion Ratio Lower Upper
76 100
78 8.8 7.5 11.3



#18
Methyl Acetate
Concen: 24.935 ug/l
RT: 4.33 min Scan# 795
Delta R.T. -0.00 min
Lab File: VN054601.D
Acq: 23 Mar 2019 13:42

Tgt Ion: 43 Resp: 93288
Ion Ratio Lower Upper
43 100
74 19.7 20.8 31.2#

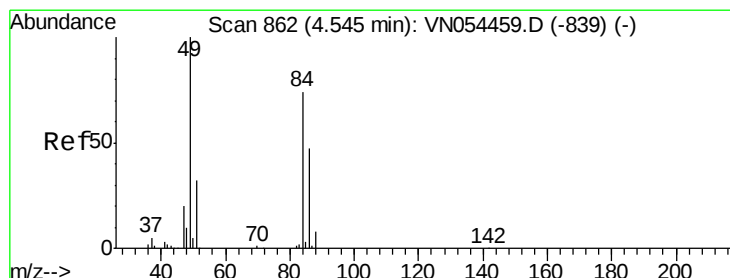
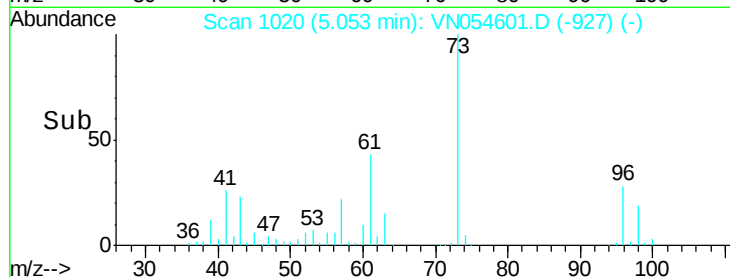
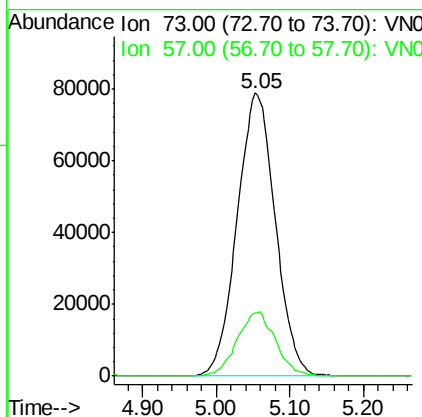
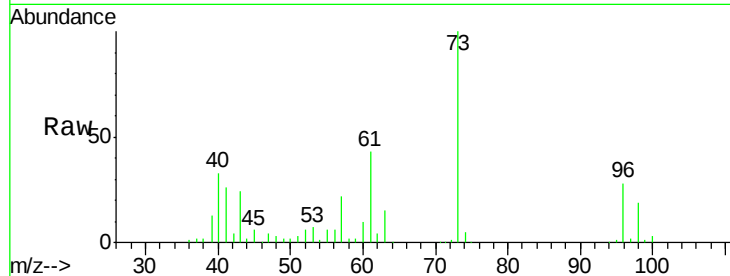




#19
Methvl tert-butvl Ether
Concen: 22.477 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VN054601.D
Acq: 23 Mar 2019 13:42

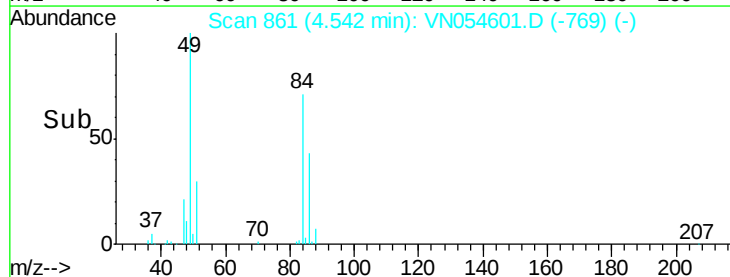
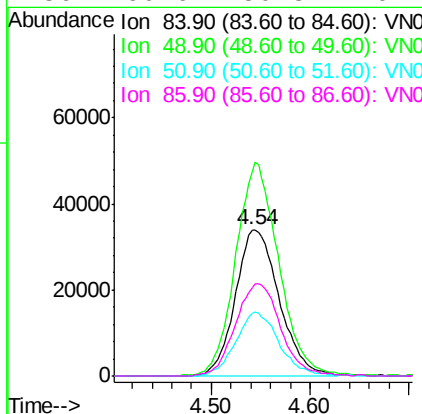
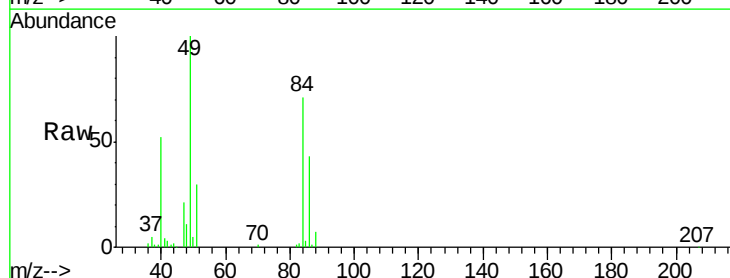
Instrument :
MSVOA_N
ClientSampleId :
VN0323WBS01

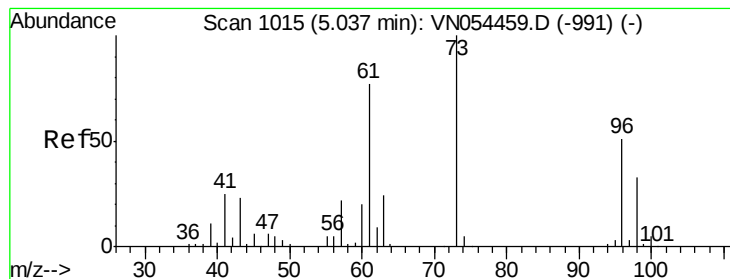
Tot Ion: 73 Resp: 283992
Ion Ratio Lower Upper
73 100
57 22.3 16.8 25.2



#20
Methylene Chloride
Concen: 21.144 ug/l
RT: 4.54 min Scan# 861
Delta R.T. -0.00 min
Lab File: VN054601.D
Acq: 23 Mar 2019 13:42

Tgt Ion: 84 Resp: 104618
Ion Ratio Lower Upper
84 100
49 140.0 89.7 134.5#
51 42.8 28.2 42.4#
86 60.6 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 21.582 ug/l

RT: 5.04 min Scan# 1015

Delta R.T. -0.00 min

Lab File: VN054601.D

Acq: 23 Mar 2019 13:42

Instrument :

MSVOA_N

ClientSampleId :

VN0323WBS01

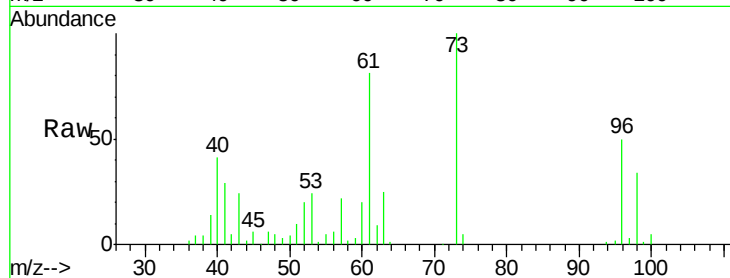
Tot Ion: 96 Resp: 95404

Ion Ratio Lower Upper

96 100

61 162.0 102.8 154.2#

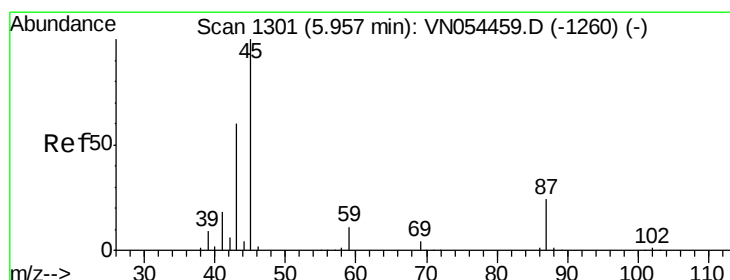
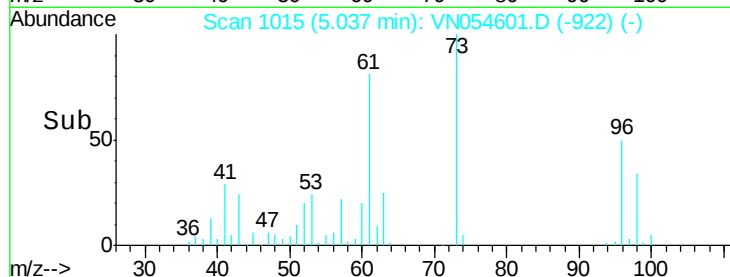
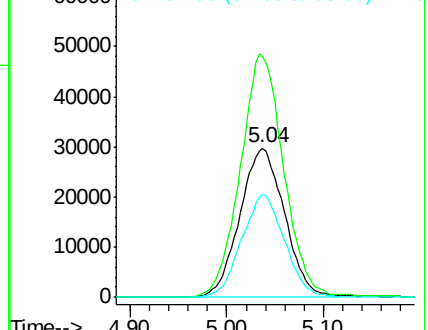
98 68.6 50.0 75.0



Abundance Ion 95.90 (95.60 to 96.60): VN054459.D (-991) (-)

Ion 60.90 (60.60 to 61.60): VN054459.D (-991) (-)

Ion 97.90 (97.60 to 98.60): VN054459.D (-991) (-)



#22

Diisopropyl ether

Concen: 23.514 ug/l

RT: 5.96 min Scan# 1302

Delta R.T. 0.00 min

Lab File: VN054601.D

Acq: 23 Mar 2019 13:42

Tgt Ion: 45 Resp: 378112

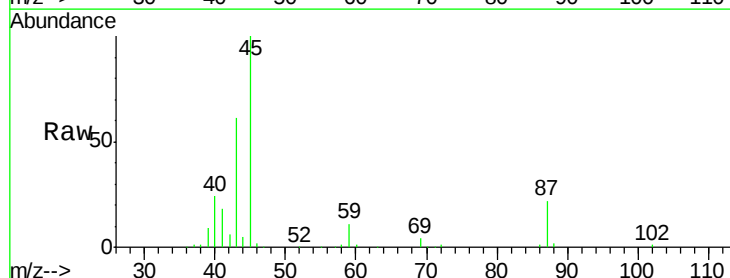
Ion Ratio Lower Upper

45 100

43 59.2 48.2 72.2

87 22.2 24.9 37.3#

59 10.3 9.5 14.3

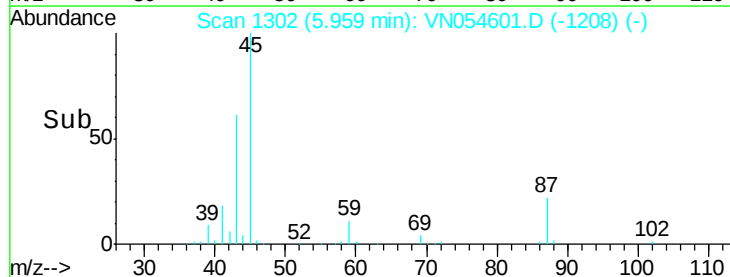
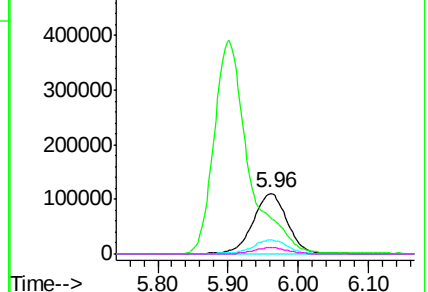


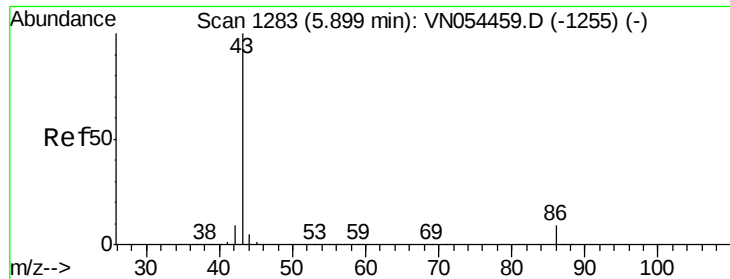
Abundance Ion 45.00 (44.70 to 45.70): VN054459.D (-1260) (-)

Ion 43.00 (42.70 to 43.70): VN054459.D (-1260) (-)

Ion 87.00 (86.70 to 87.70): VN054459.D (-1260) (-)

Ion 59.00 (58.70 to 59.70): VN054459.D (-1260) (-)





#23

Vinyl Acetate

Concen: 117.081 ug/l

RT: 5.90 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VN054601.D

Acq: 23 Mar 2019 13:42

Instrument :

MSVOA_N

ClientSampled :

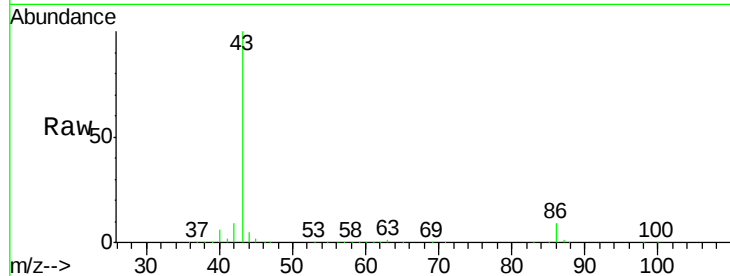
VN0323WBS01

Tot Ion: 43 Resp: 1329674

Ion Ratio Lower Upper

43 100

86 8.8 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

400000

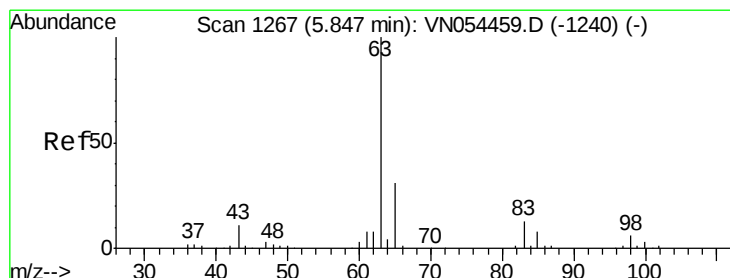
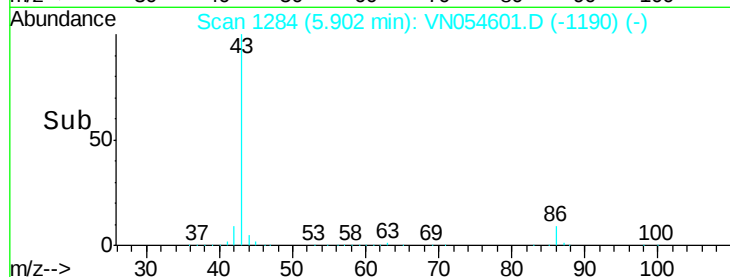
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 22.469 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN054601.D

Acq: 23 Mar 2019 13:42

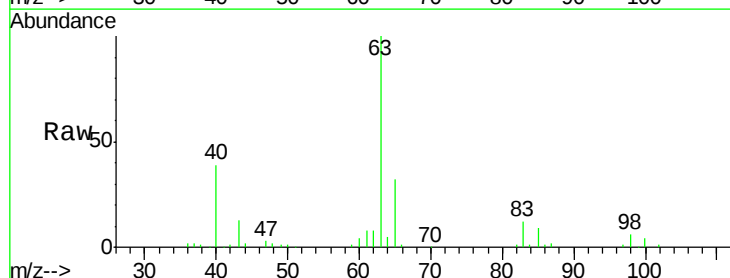
Tgt Ion: 63 Resp: 194533

Ion Ratio Lower Upper

63 100

98 6.1 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

5.85

80000

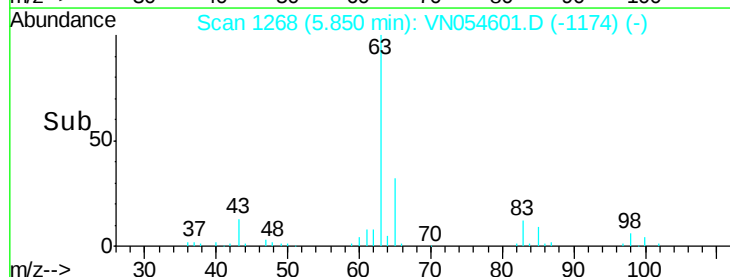
60000

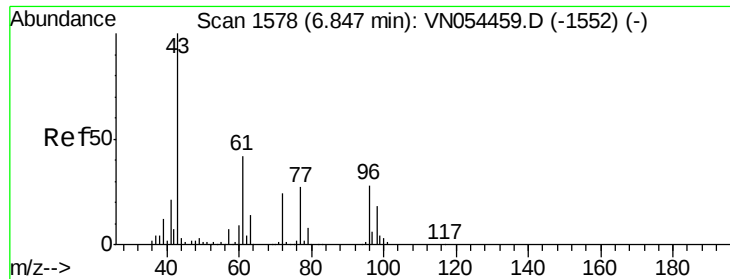
40000

20000

0

Time-->





#25

2-Butanone

Concen: 121.608 ug/l

RT: 6.85 min Scan# 1579

Delta R.T. 0.00 min

Lab File: VN054601.D

Acq: 23 Mar 2019 13:42

Instrument :

MSVOA_N

ClientSampleId :

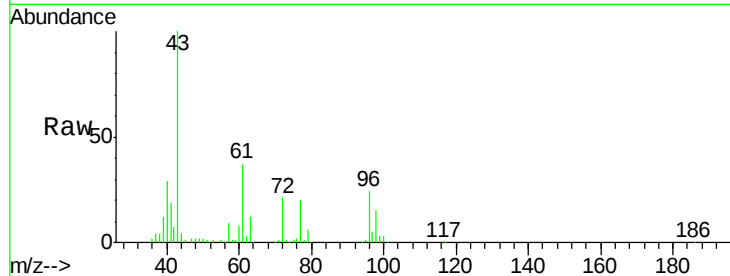
VN0323WBS01

Tot Ion: 43 Resp: 261473

Ion Ratio Lower Upper

43 100

72 21.2 23.0 34.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.85

80000

60000

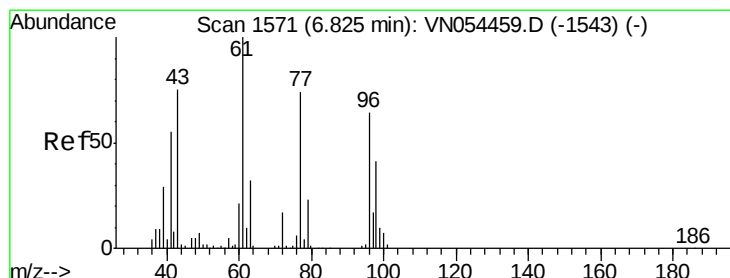
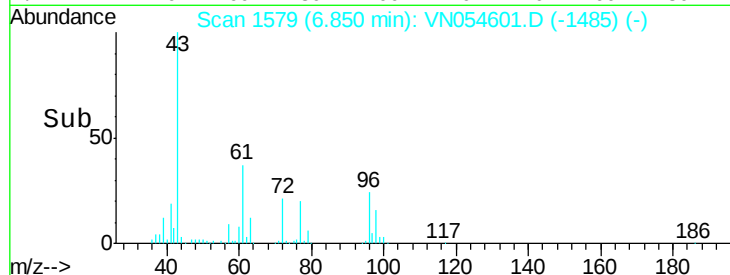
40000

20000

0

6.70 6.80 6.90

Time-->



#26

2,2-Dichloropropane

Concen: 21.083 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN054601.D

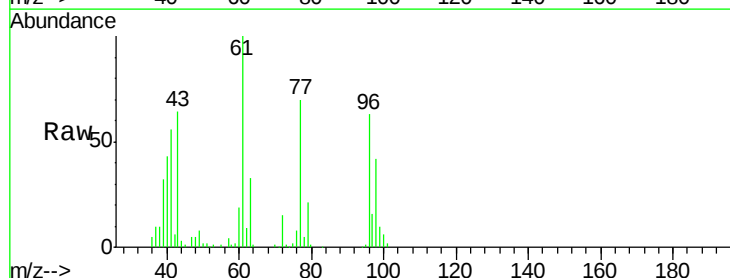
Acq: 23 Mar 2019 13:42

Tgt Ion: 77 Resp: 130120

Ion Ratio Lower Upper

77 100

97 23.2 11.9 35.9



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

6.82

50000

40000

30000

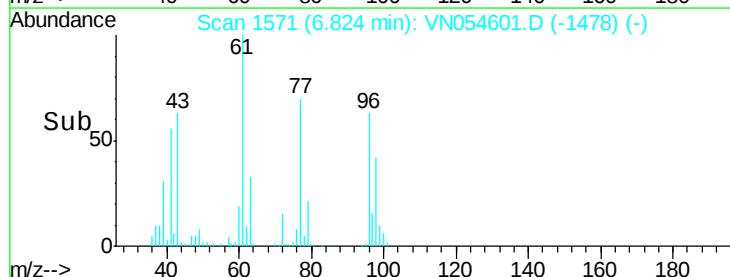
20000

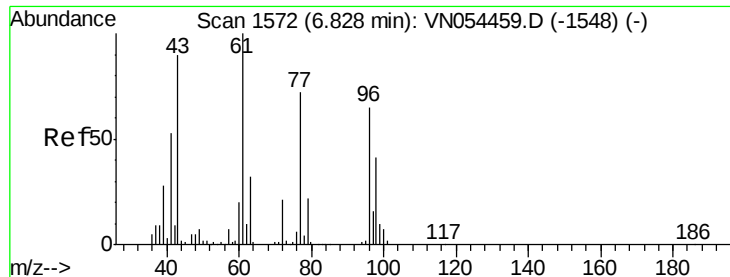
10000

0

6.70 6.80 6.90

Time-->





#27

cis-1,2-Dichloroethene

Concen: 20.844 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN054601.D

Acq: 23 Mar 2019 13:42

Instrument :

MSVOA_N

ClientSampleId :

VN0323WBS01

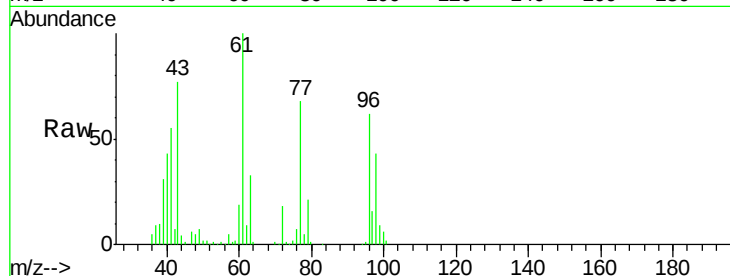
Tot Ion: 96 Resp: 109904

Ion Ratio Lower Upper

96 100

61 162.5 0.0 273.0

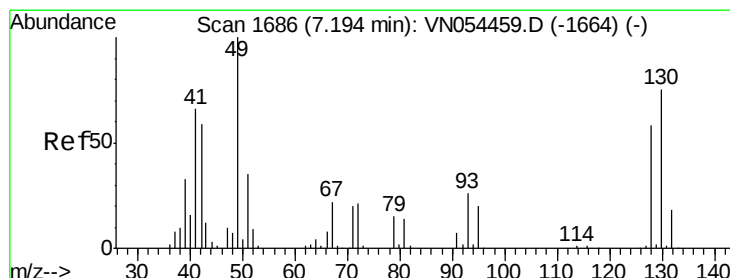
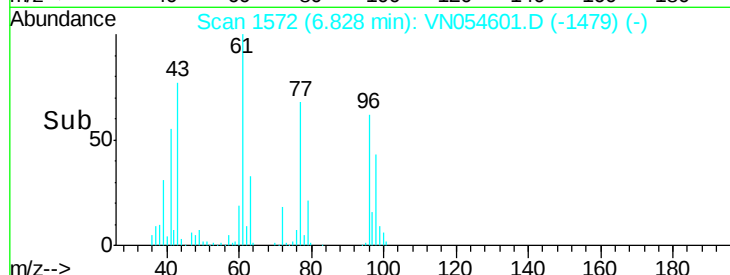
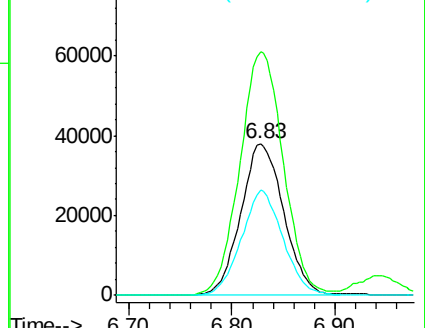
98 67.2 0.0 130.6



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: 23.099 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN054601.D

Acq: 23 Mar 2019 13:42

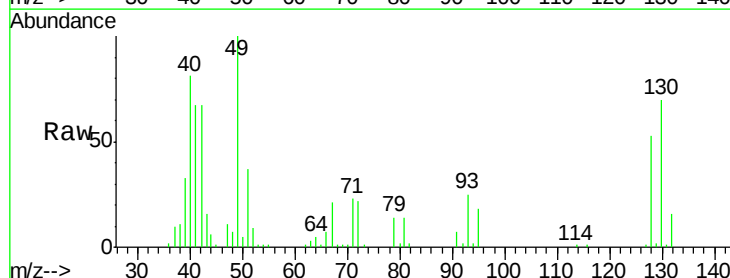
Tgt Ion: 49 Resp: 98442

Ion Ratio Lower Upper

49 100

129 2.1 0.0 4.6

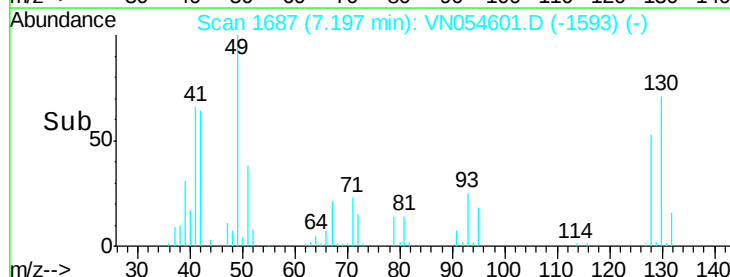
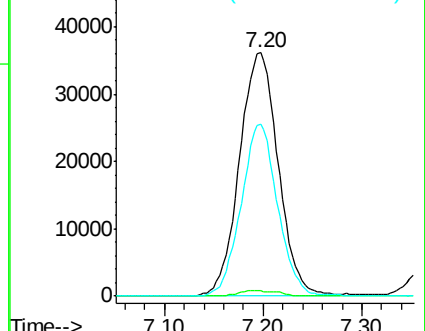
130 66.3 76.7 115.1#

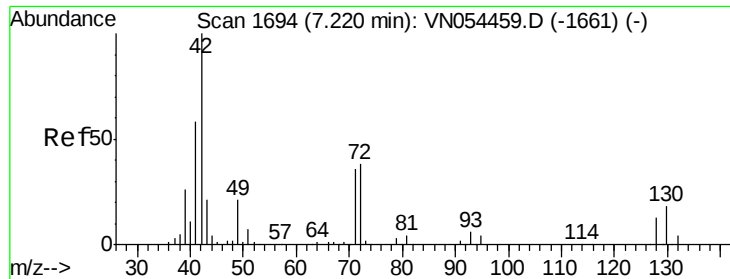


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

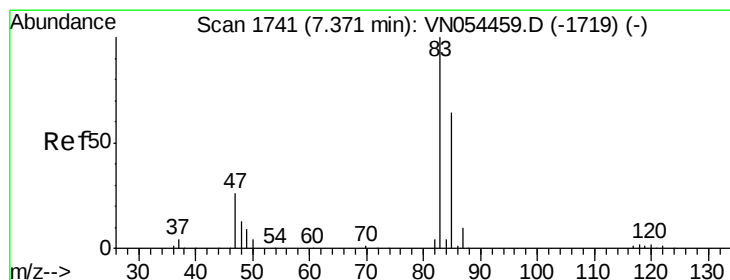
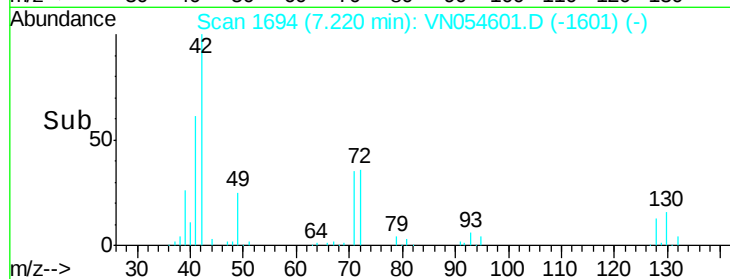
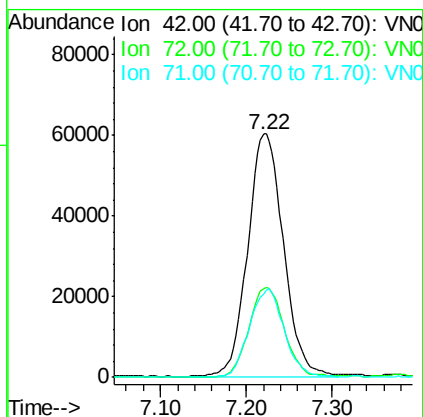
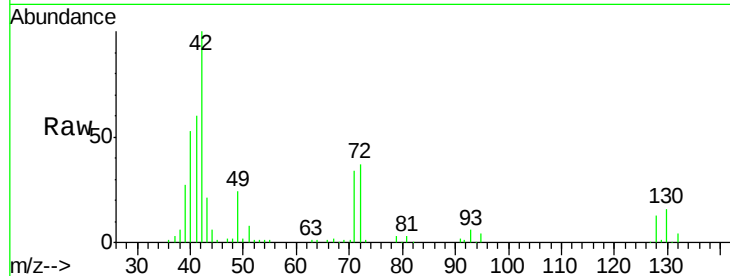




#29
Tetrahydrofuran
Concen: 124.900 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. -0.00 min
Lab File: VN054601.D
Acq: 23 Mar 2019 13:42

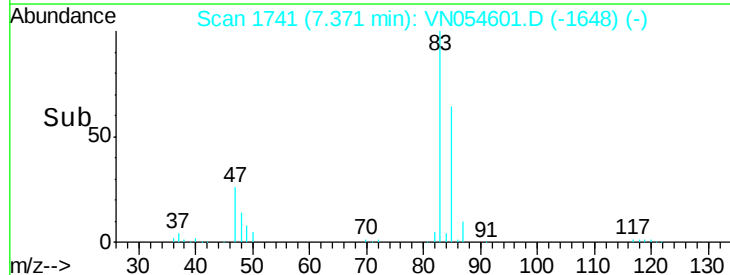
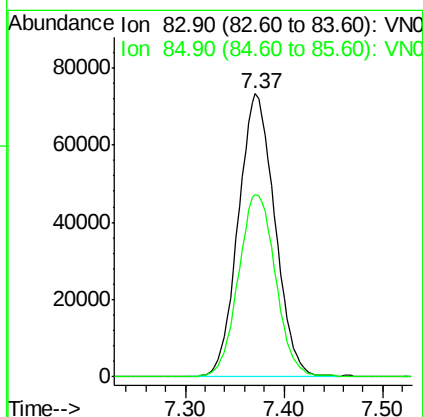
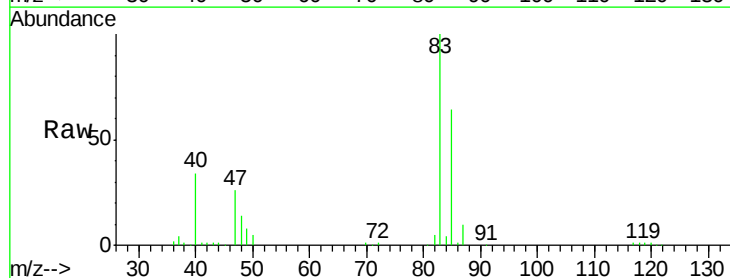
Instrument :
MSVOA_N
ClientSampleId :
VN0323WBS01

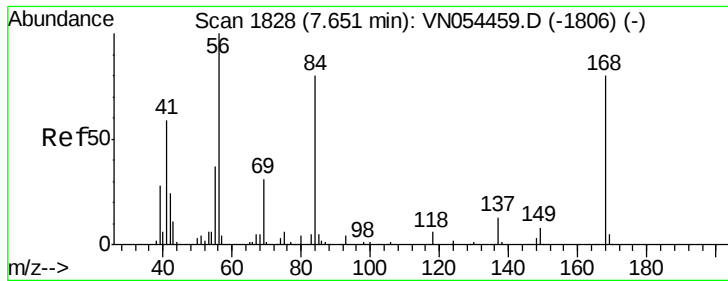
Tot Ion: 42 Resp: 174273
Ion Ratio Lower Upper
42 100
72 37.0 37.8 56.6#
71 35.7 36.2 54.2#



#30
Chloroform
Concen: 22.221 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN054601.D
Acq: 23 Mar 2019 13:42

Tgt Ion: 83 Resp: 187759
Ion Ratio Lower Upper
83 100
85 64.4 52.2 78.4





#31

Cyclohexane

Concen: 21.486 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN054601.D

Acq: 23 Mar 2019 13:42

Instrument :

MSVOA_N

ClientSampleId :

VN0323WBS01

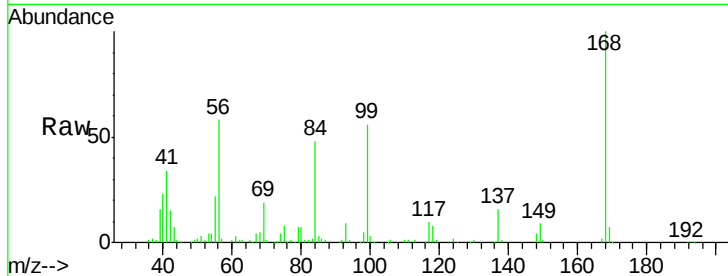
Tot Ion: 56 Resp: 187039

Ion Ratio Lower Upper

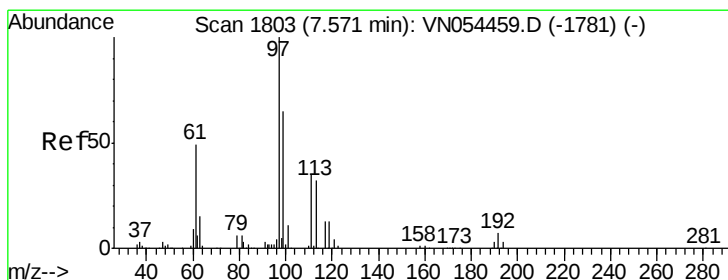
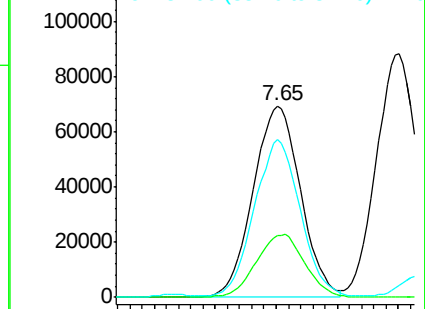
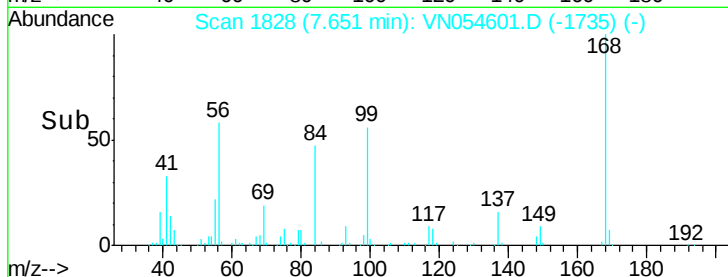
56 100

69 32.1 27.8 41.6

84 81.8 74.6 111.8



Abundance Ion 56.00 (55.70 to 56.70): VN054601.D (-1735) (-)



#32

1,1,1-Trichloroethane

Concen: 22.003 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN054601.D

Acq: 23 Mar 2019 13:42

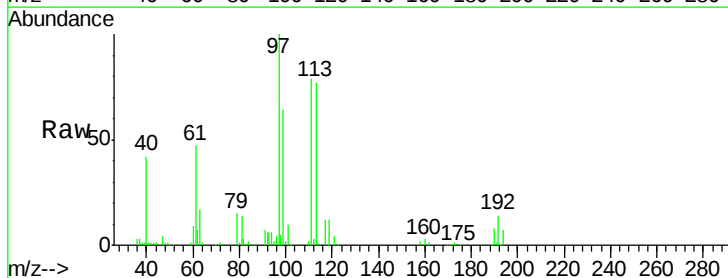
Tgt Ion: 97 Resp: 153381

Ion Ratio Lower Upper

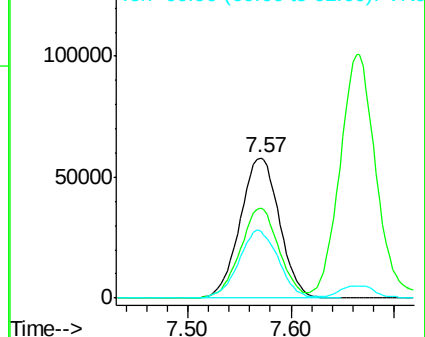
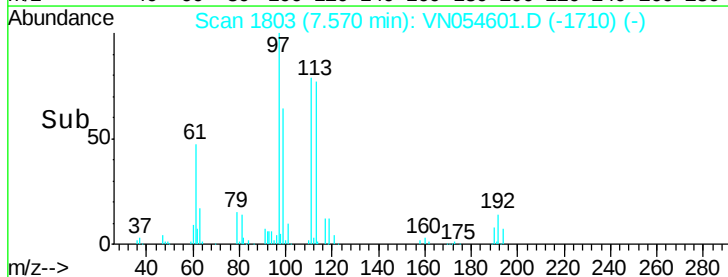
97 100

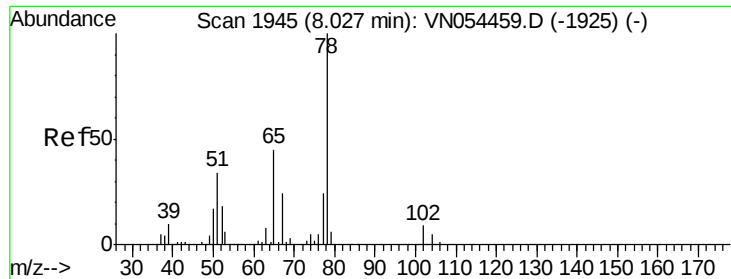
99 63.3 51.5 77.3

61 48.5 33.6 50.4



Abundance Ion 96.90 (96.60 to 97.60): VN054601.D (-1710) (-)

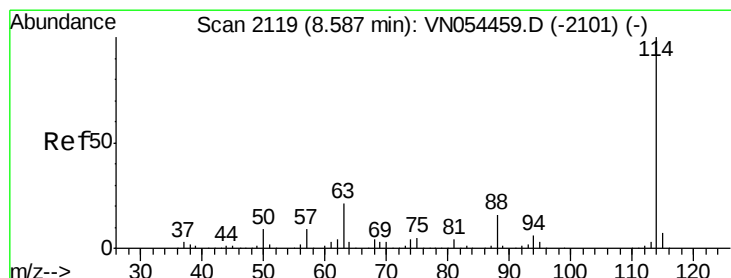
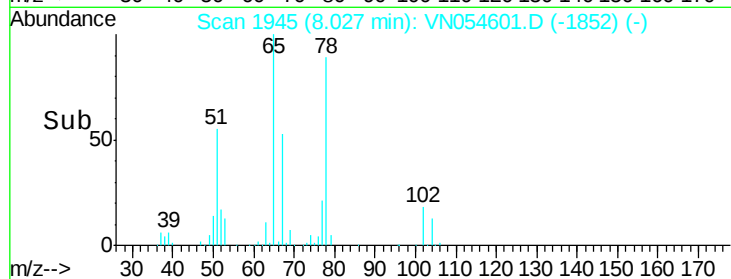
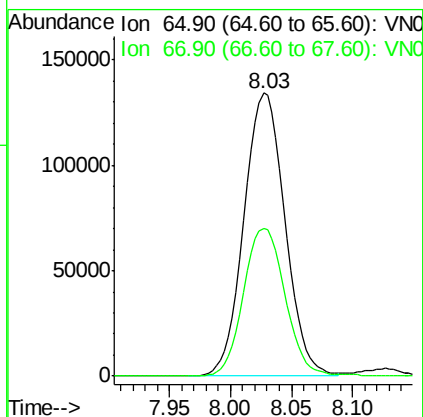
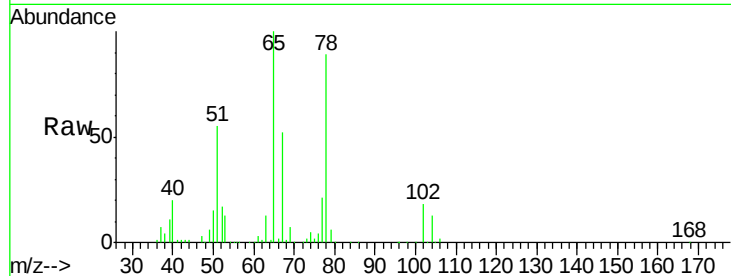




#33
 1,2-Dichloroethane-d4
 Concen: 56.070 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN054601.D
 Acq: 23 Mar 2019 13:42

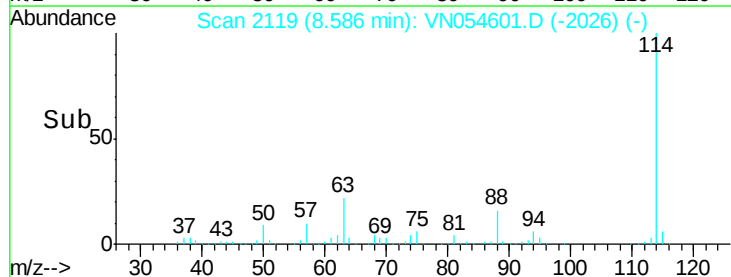
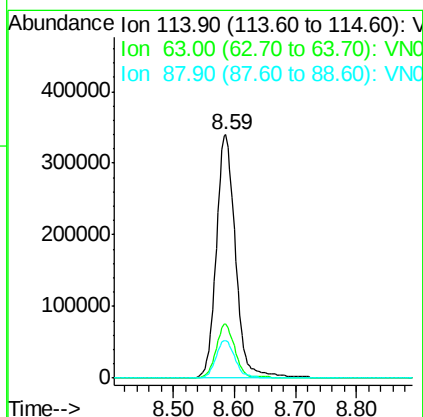
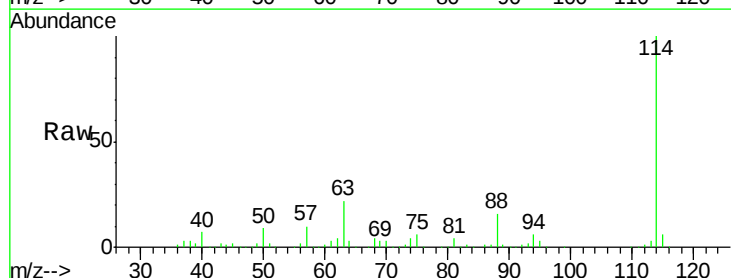
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0323WBS01

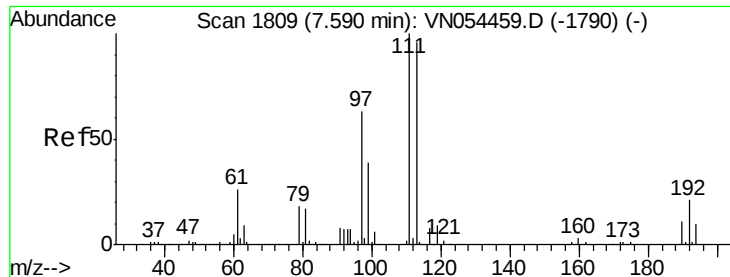
Tot Ion: 65 Resp: 313028
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN054601.D
 Acq: 23 Mar 2019 13:42

Tgt Ion: 114 Resp: 744500
 Ion Ratio Lower Upper
 114 100
 63 22.0 0.0 35.2
 88 15.6 0.0 30.2

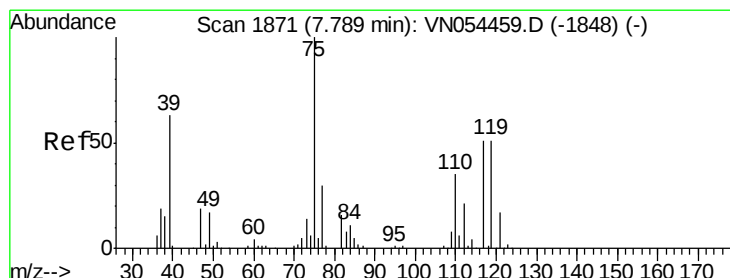
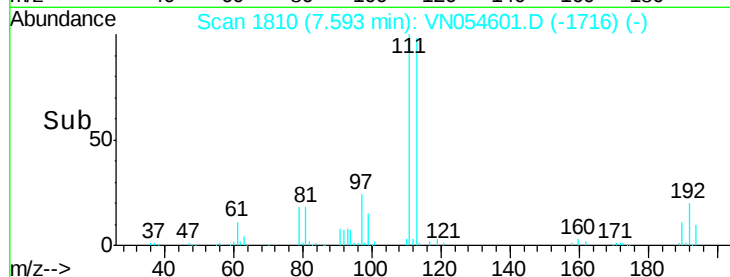
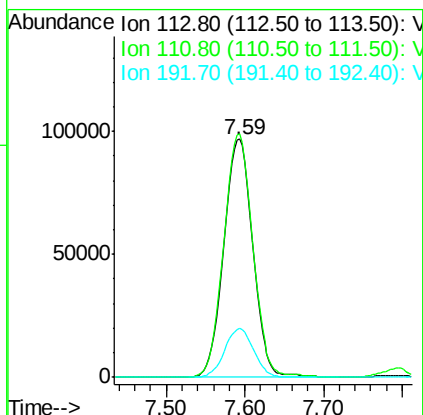
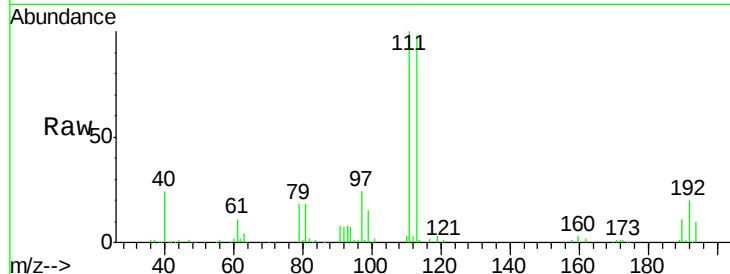




#35
 Dibromofluoromethane
 Concen: 51.533 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN054601.D
 Acq: 23 Mar 2019 13:42

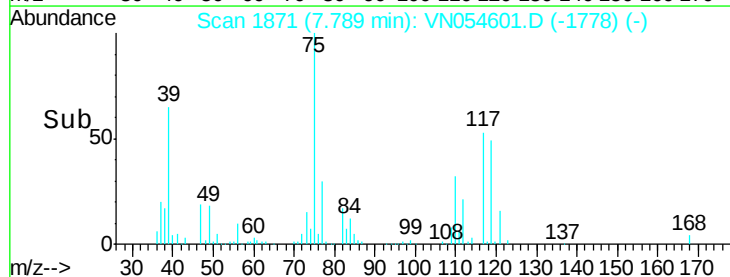
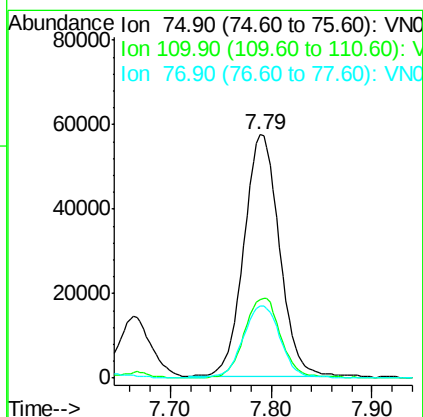
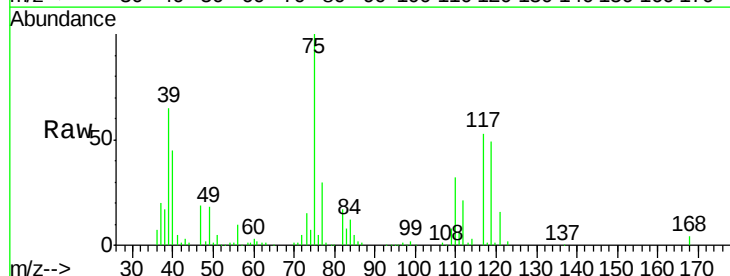
Instrument :
 MSVOA_N
 ClientSampled :
 VN0323WBS01

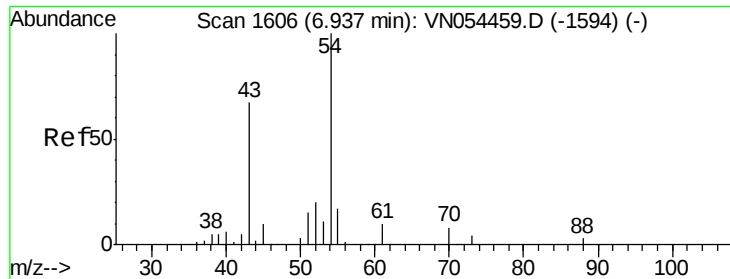
Tot Ion:113 Resp: 247172
 Ion Ratio Lower Upper
 113 100
 111 102.5 82.2 123.4
 192 20.4 19.2 28.8



#36
 1,1-Dichloropropene
 Concen: 20.088 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. -0.00 min
 Lab File: VN054601.D
 Acq: 23 Mar 2019 13:42

Tgt Ion: 75 Resp: 139838
 Ion Ratio Lower Upper
 75 100
 110 34.0 19.1 57.5
 77 31.5 25.0 37.4

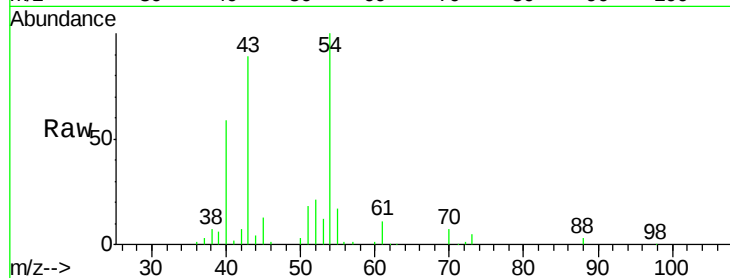




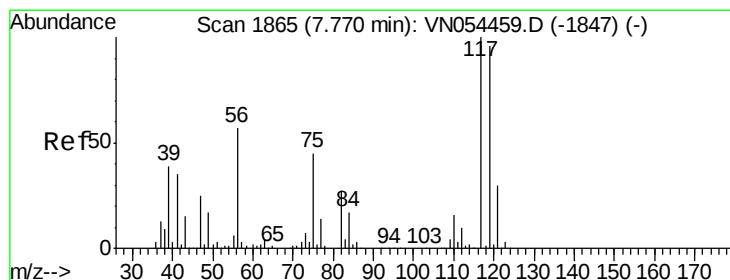
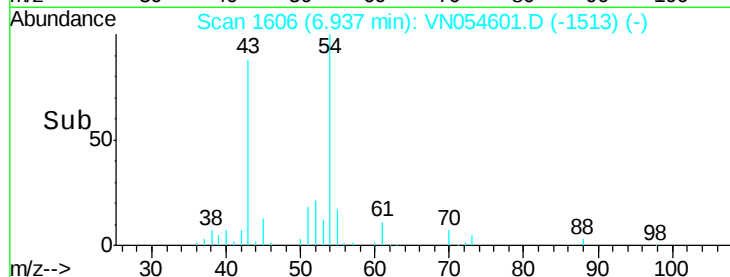
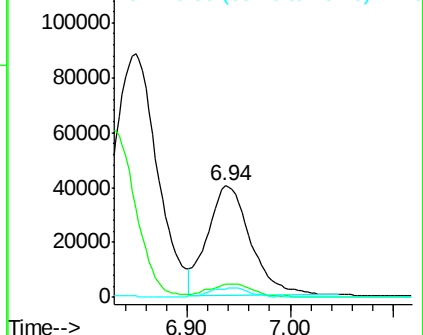
#37
Ethyl Acetate
Concen: 23.484 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. -0.00 min
Lab File: VN054601.D
Acq: 23 Mar 2019 13:42

Instrument :
MSVOA_N
ClientSampled :
VN0323WBS01

Tot Ion: 43 Resp: 116267
Ion Ratio Lower Upper
43 100
61 12.4 11.8 17.6
70 8.2 8.4 12.6#

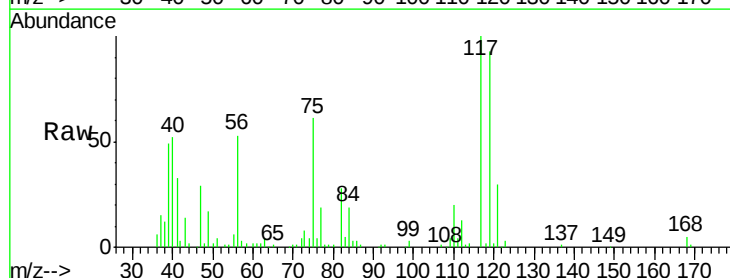


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

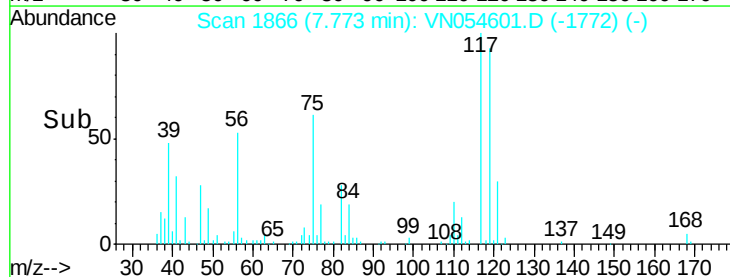
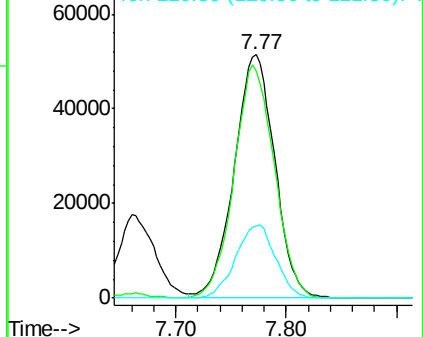


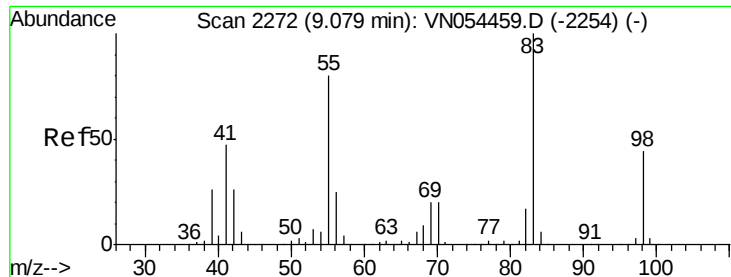
#38
Carbon Tetrachloride
Concen: 19.361 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN054601.D
Acq: 23 Mar 2019 13:42

Tgt Ion: 117 Resp: 130968
Ion Ratio Lower Upper
117 100
119 93.3 76.3 114.5
121 29.8 24.6 36.8



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

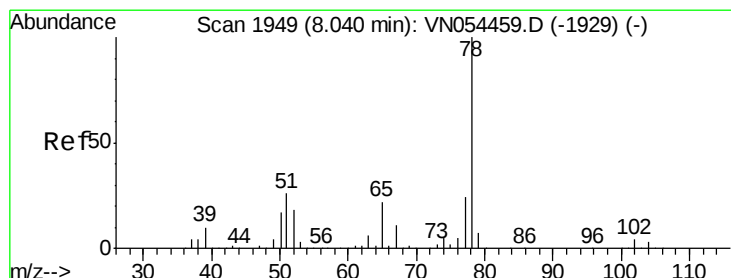
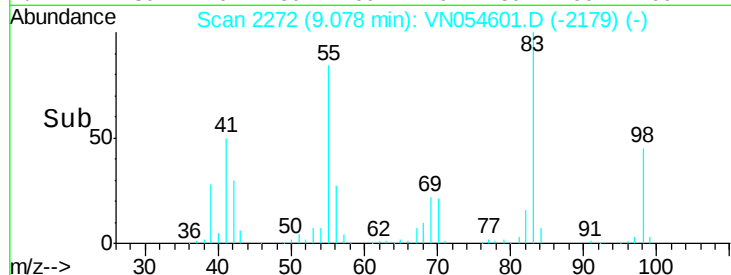
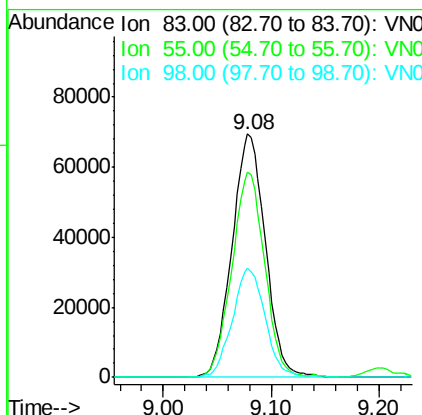
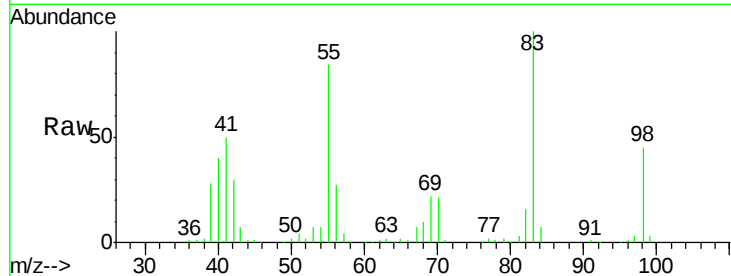




#39
Methvlcvclohexane
Concen: 18.782 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN054601.D
Acq: 23 Mar 2019 13:42

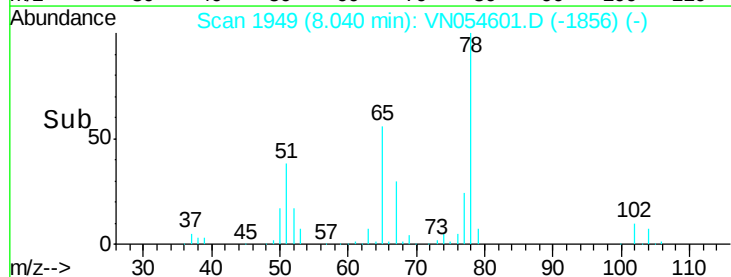
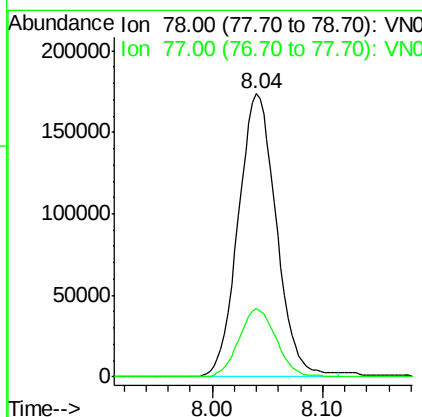
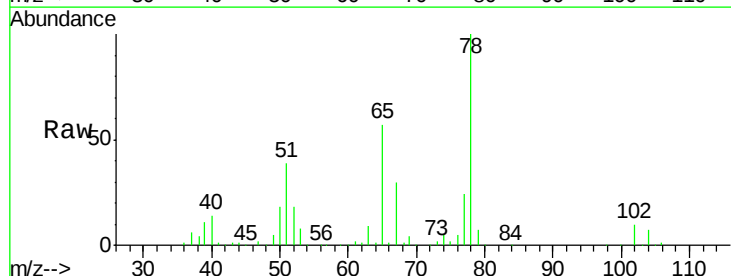
Instrument :
MSVOA_N
ClientSampleId :
VN0323WBS01

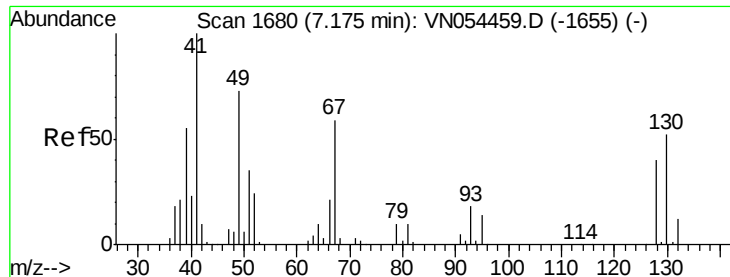
Tot Ion: 83 Resp: 149557
Ion Ratio Lower Upper
83 100
55 84.4 56.6 84.8
98 44.7 38.4 57.6



#40
Benzene
Concen: 20.838 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN054601.D
Acq: 23 Mar 2019 13:42

Tgt Ion: 78 Resp: 414793
Ion Ratio Lower Upper
78 100
77 23.9 19.1 28.7

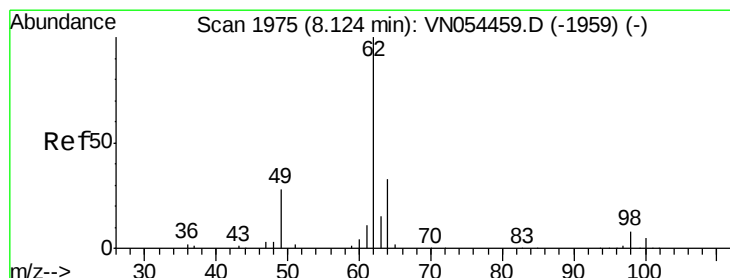
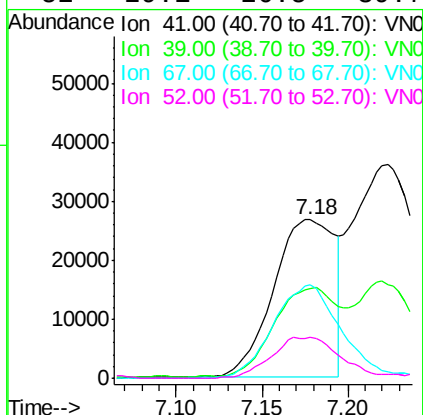
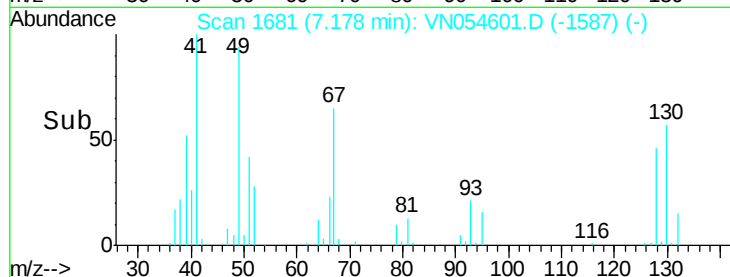
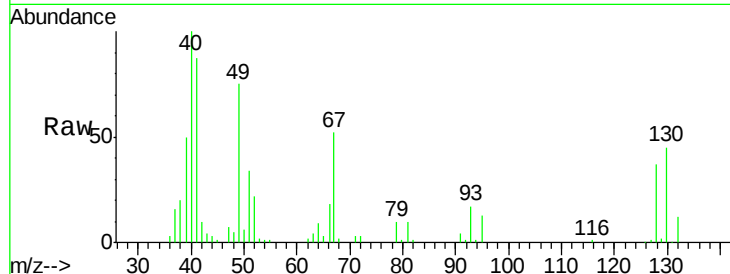




#41
Methacrylonitrile
Concen: 21.872 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN054601.D
Acq: 23 Mar 2019 13:42

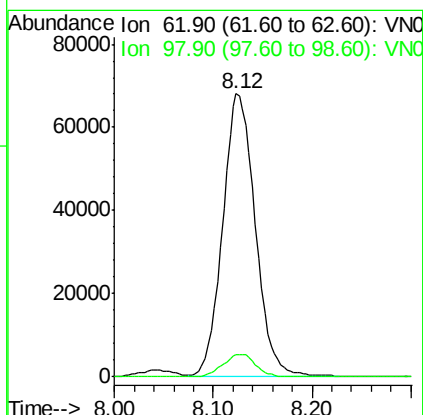
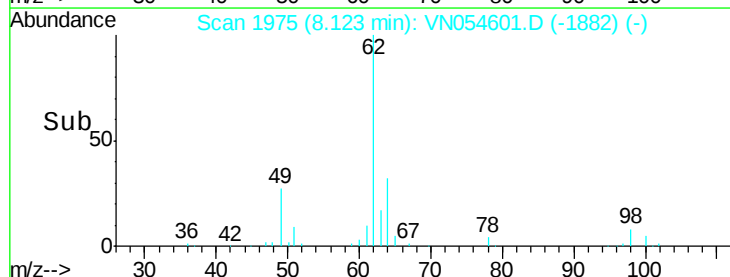
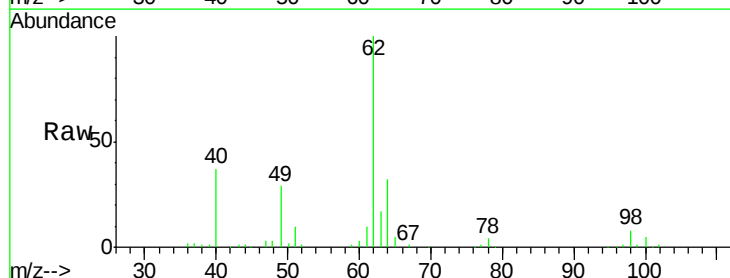
Instrument :
MSVOA_N
ClientSampled :
VN0323WBS01

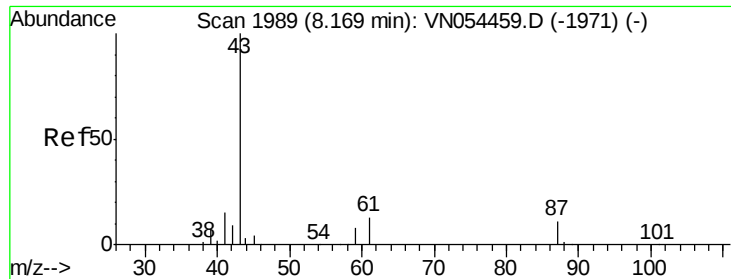
Tot Ion: 41 Resp: 66040
Ion Ratio Lower Upper
41 100
39 58.3 46.8 70.2
67 66.7 67.0 100.4#
52 29.1 26.5 39.7



#42
1,2-Dichloroethane
Concen: 21.593 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN054601.D
Acq: 23 Mar 2019 13:42

Tgt Ion: 62 Resp: 156531
Ion Ratio Lower Upper
62 100
98 8.0 0.0 18.4





#43

Isopropyl Acetate

Concen: 22.912 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. -0.00 min

Lab File: VN054601.D

Acq: 23 Mar 2019 13:42

Instrument :

MSVOA_N

ClientSampleId :

VN0323WBS01

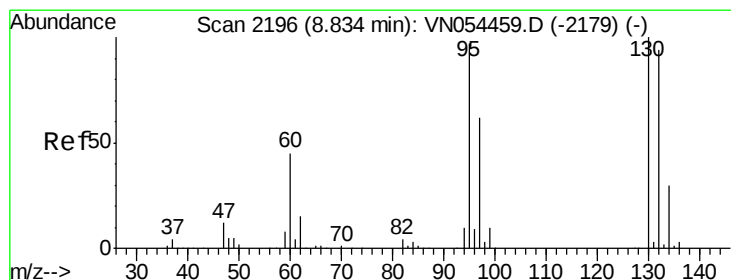
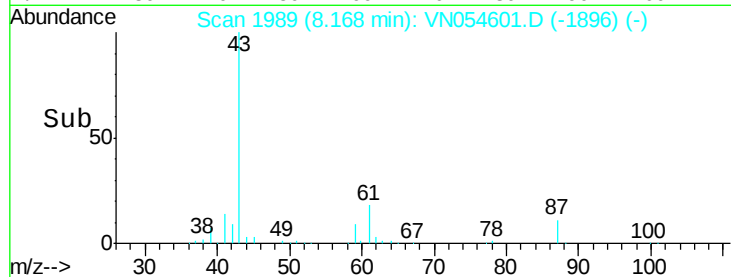
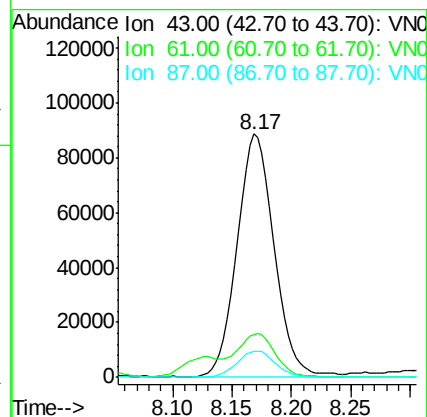
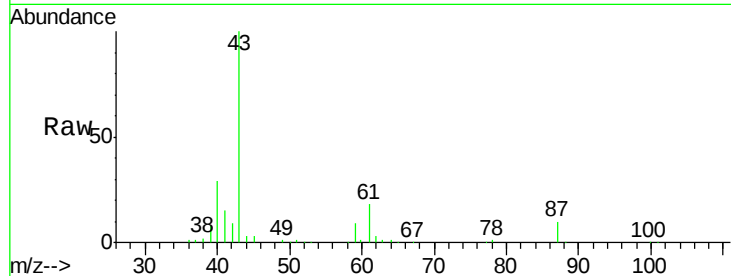
Tot Ion: 43 Resp: 191582

Ion Ratio Lower Upper

43 100

61 18.0 15.8 23.8

87 11.3 12.0 18.0#



#44

Trichloroethene

Concen: 19.619 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN054601.D

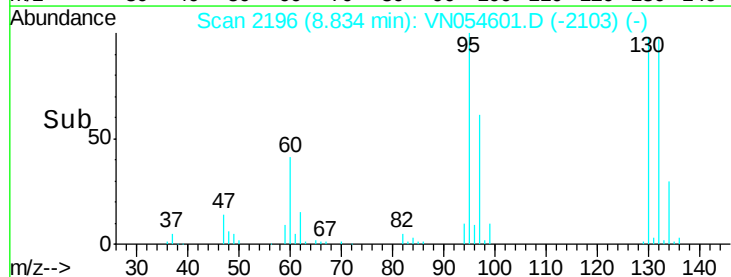
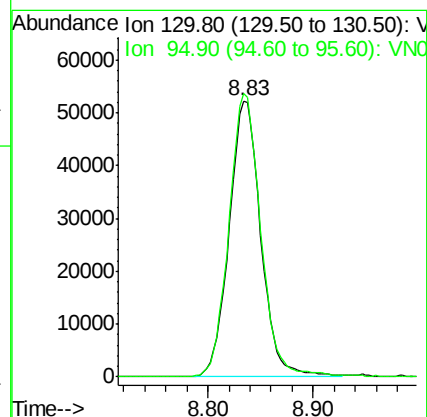
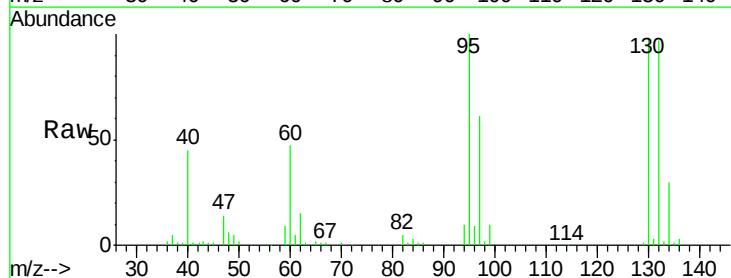
Acq: 23 Mar 2019 13:42

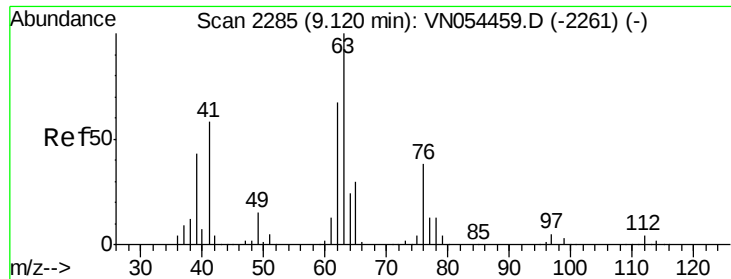
Tgt Ion:130 Resp: 108573

Ion Ratio Lower Upper

130 100

95 102.2 0.0 185.2





#45

1,2-Dichloropropane

Concen: 22.039 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. -0.00 min

Lab File: VN054601.D

Acq: 23 Mar 2019 13:42

Instrument :

MSVOA_N

ClientSampleId :

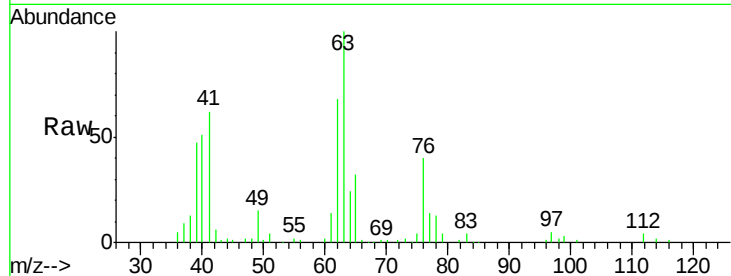
VN0323WBS01

Tot Ion: 63 Resp: 117801

Ion Ratio Lower Upper

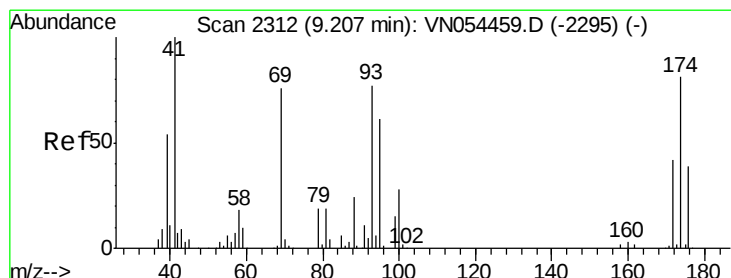
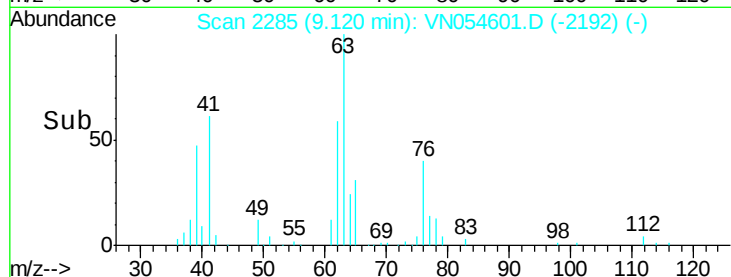
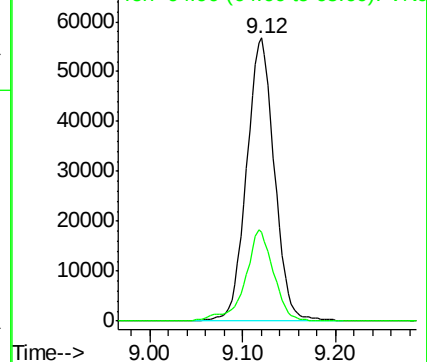
63 100

65 31.6 25.0 37.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 20.973 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN054601.D

Acq: 23 Mar 2019 13:42

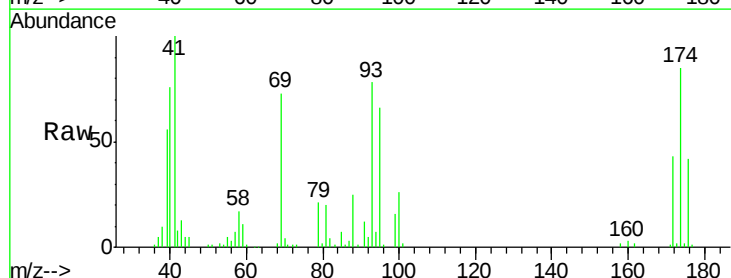
Tgt Ion: 93 Resp: 66879

Ion Ratio Lower Upper

93 100

95 83.6 66.7 100.1

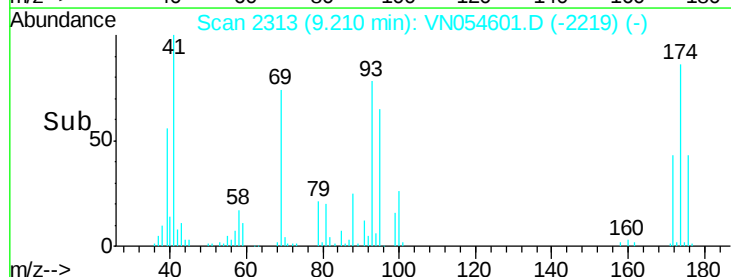
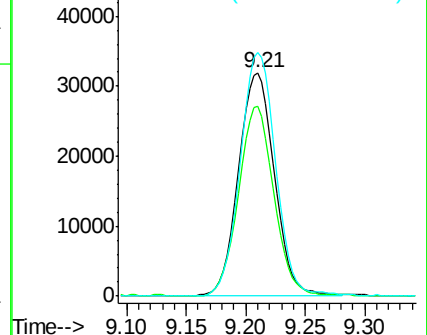
174 107.7 98.5 147.7



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 20.608 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN054601.D

Acq: 23 Mar 2019 13:42

Instrument :

MSVOA_N

ClientSampleId :

VN0323WBS01

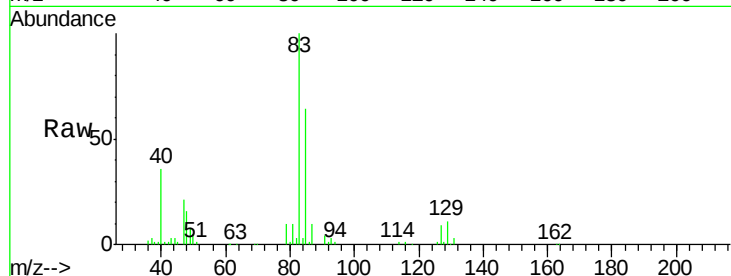
Tot Ion: 83 Resp: 136381

Ion Ratio Lower Upper

83 100

85 64.3 52.8 79.2

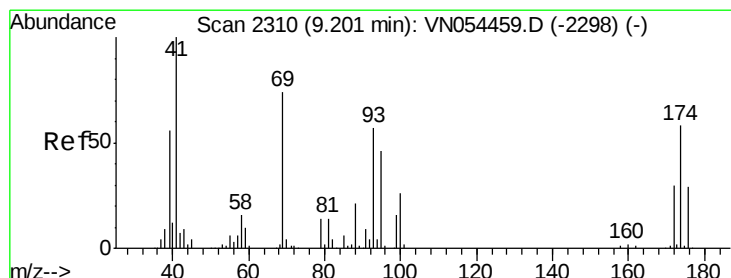
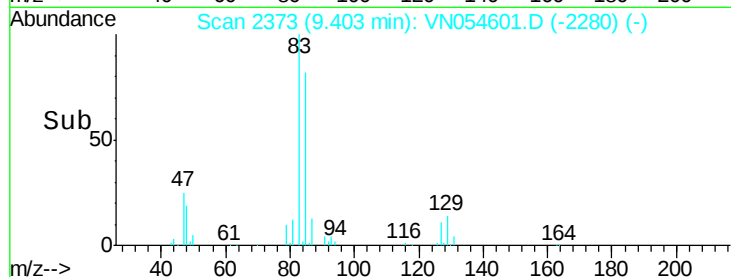
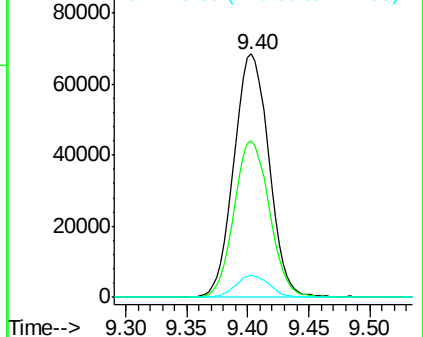
127 9.0 7.4 11.2



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: 21.276 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN054601.D

Acq: 23 Mar 2019 13:42

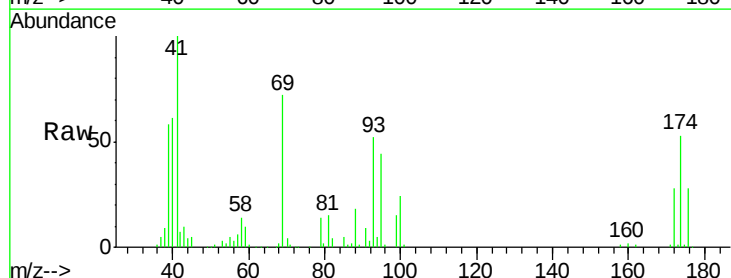
Tgt Ion: 41 Resp: 96557

Ion Ratio Lower Upper

41 100

69 73.0 72.6 108.8

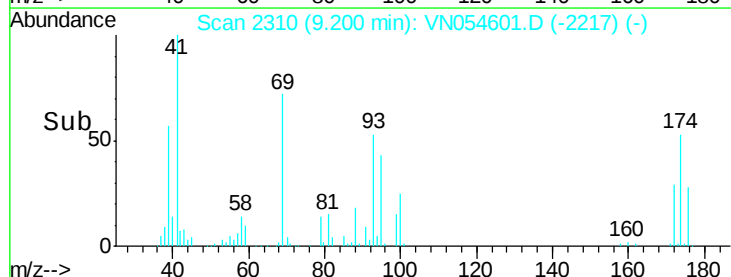
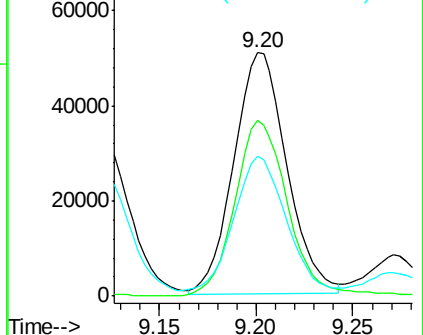
39 57.5 47.5 71.3

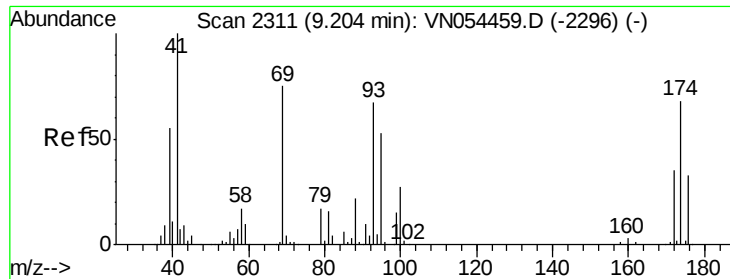


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#49

1,4-Dioxane

Concen: 447.198 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN054601.D

Acq: 23 Mar 2019 13:42

Instrument :

MSVOA_N

ClientSampled :

VN0323WBS01

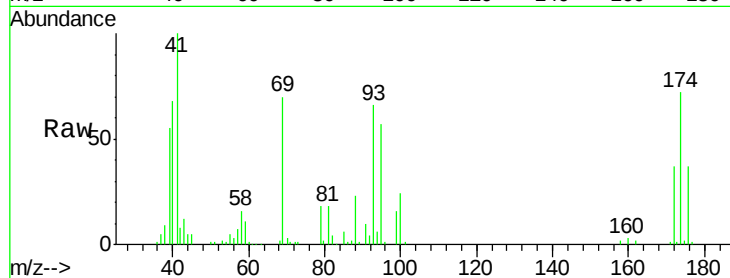
Tot Ion: 88 Resp: 22689

Ion Ratio Lower Upper

88 100

43 39.0 24.1 36.1#

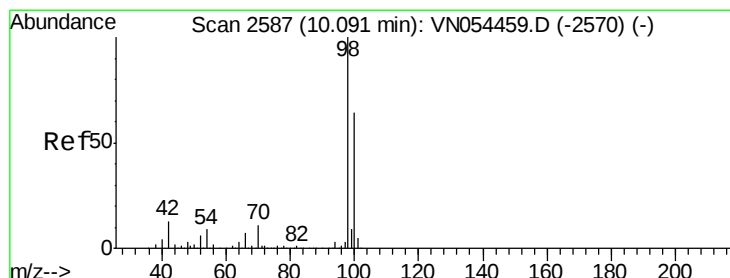
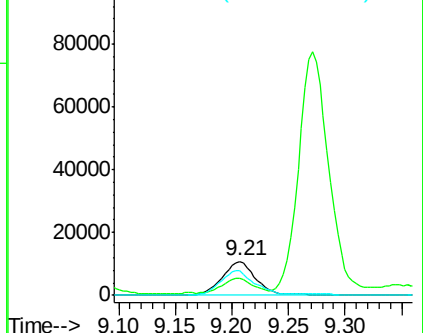
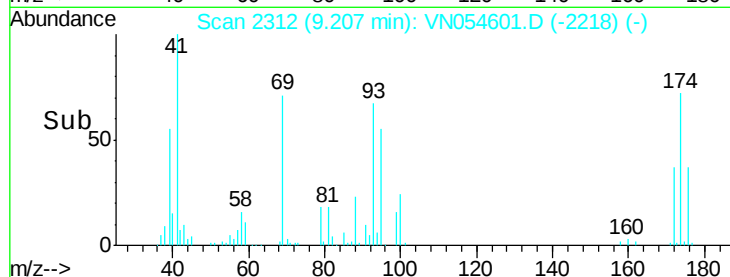
58 72.7 50.8 76.2



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 49.894 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN054601.D

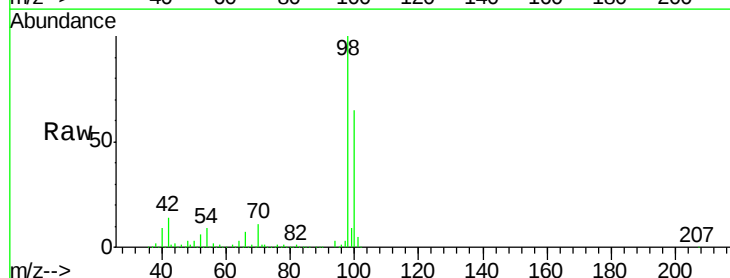
Acq: 23 Mar 2019 13:42

Tgt Ion: 98 Resp: 899665

Ion Ratio Lower Upper

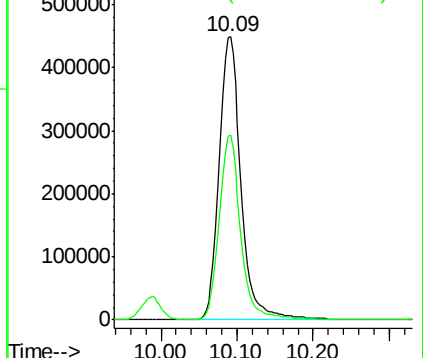
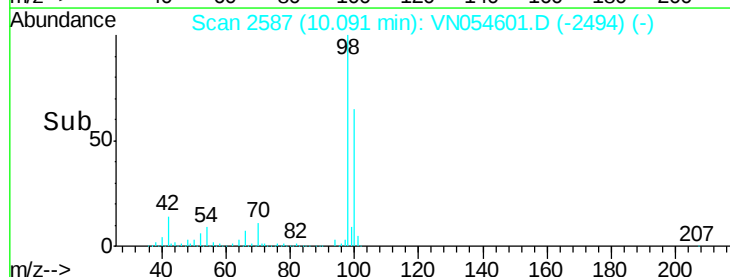
98 100

100 63.4 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 116.306 ug/l

RT: 9.99 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN054601.D

Acq: 23 Mar 2019 13:42

Instrument :

MSVOA_N

ClientSampleId :

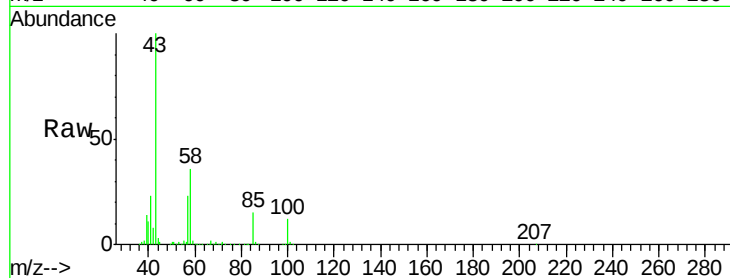
VN0323WBS01

Tot Ion: 43 Resp: 538959

Ion Ratio Lower Upper

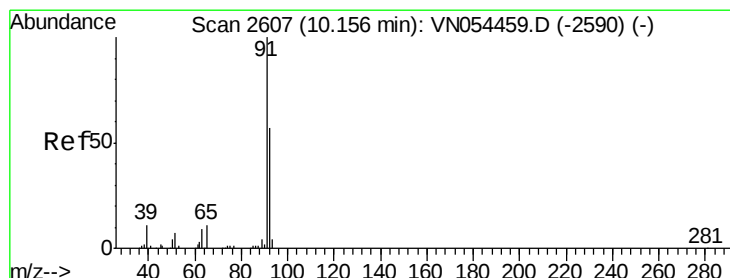
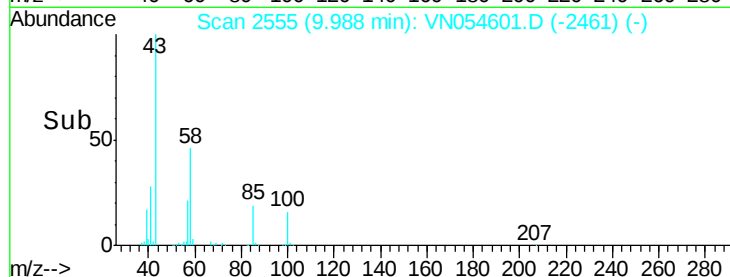
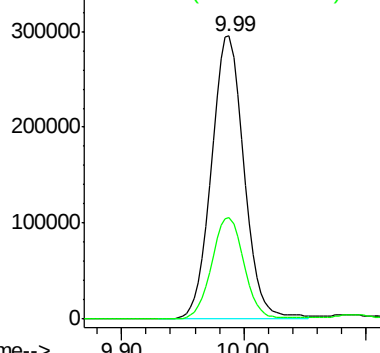
43 100

58 35.7 31.8 47.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 20.106 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN054601.D

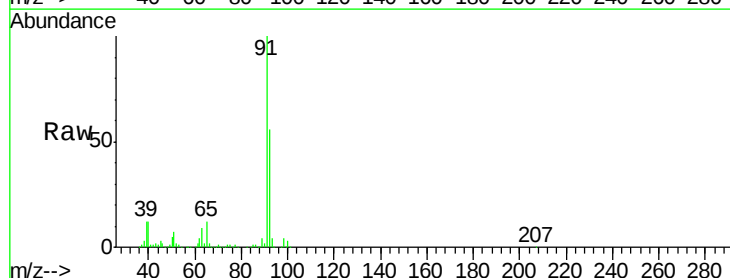
Acq: 23 Mar 2019 13:42

Tgt Ion: 92 Resp: 246155

Ion Ratio Lower Upper

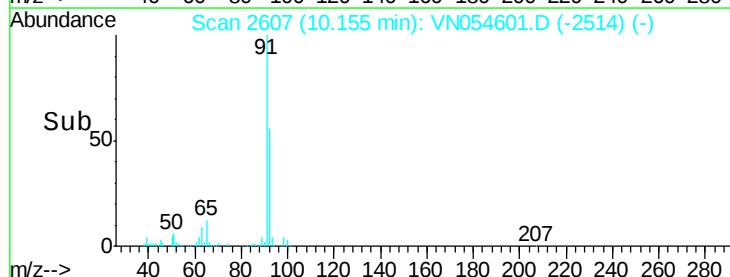
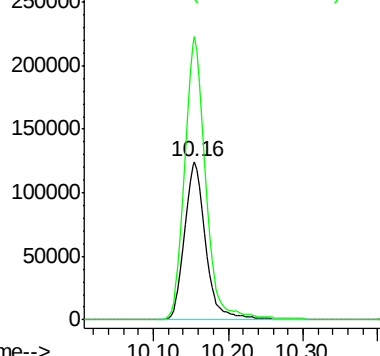
92 100

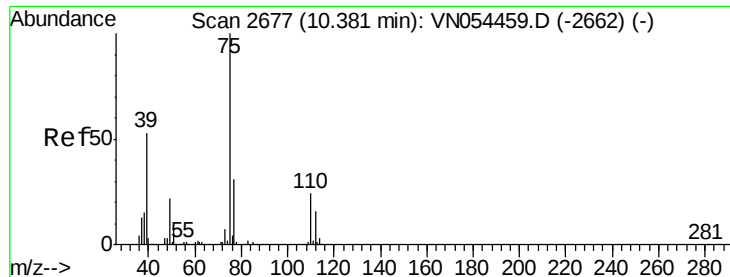
91 177.2 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 18.915 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN054601.D

Acq: 23 Mar 2019 13:42

Instrument :

MSVOA_N

ClientSampled :

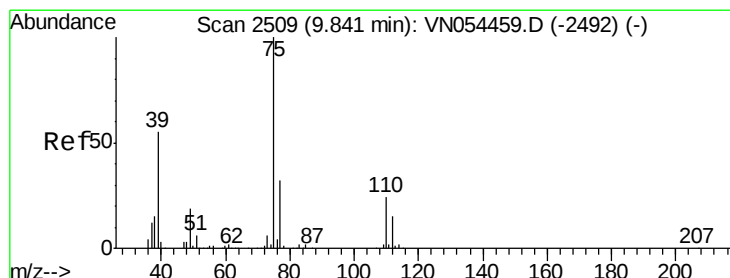
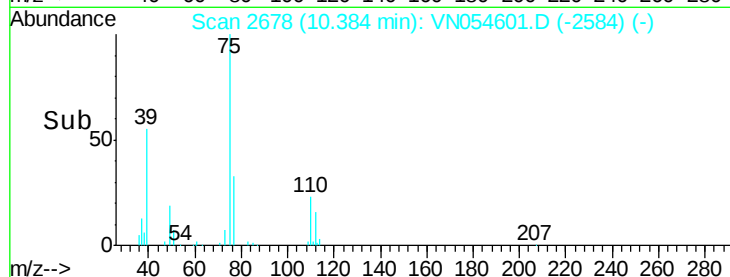
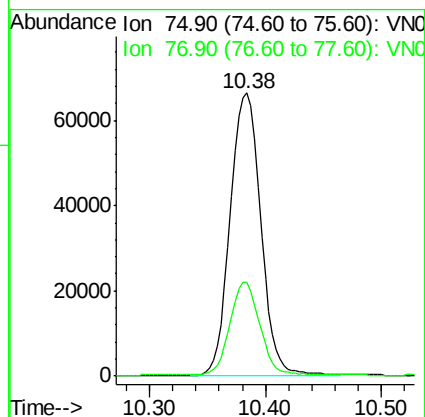
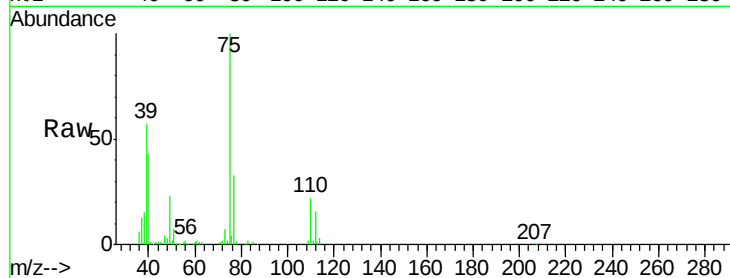
VN0323WBS01

Tot Ion: 75 Resp: 121903

Ion Ratio Lower Upper

75 100

77 32.8 25.8 38.8



#54

cis-1,3-Dichloropropene

Concen: 20.526 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN054601.D

Acq: 23 Mar 2019 13:42

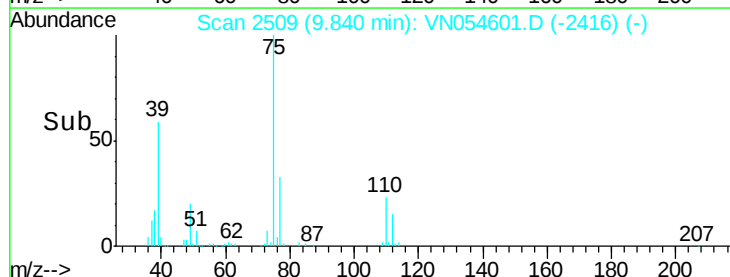
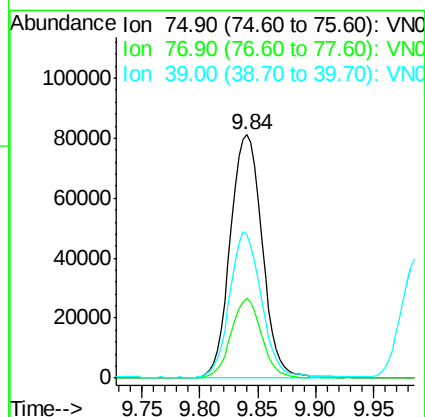
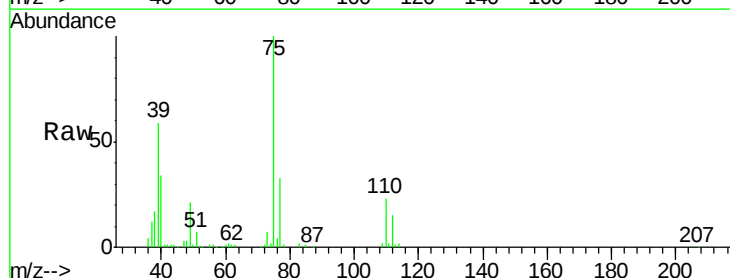
Tgt Ion: 75 Resp: 155750

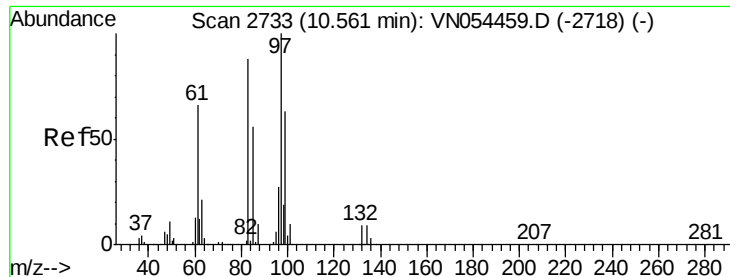
Ion Ratio Lower Upper

75 100

77 32.5 25.4 38.0

39 58.9 37.2 55.8#





#55

1,1,2-Trichloroethane

Concen: 21.443 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VN054601.D

Acq: 23 Mar 2019 13:42

Instrument :

MSVOA_N

ClientSampleId :

VN0323WBS01

Tot Ion: 97 Resp: 94369

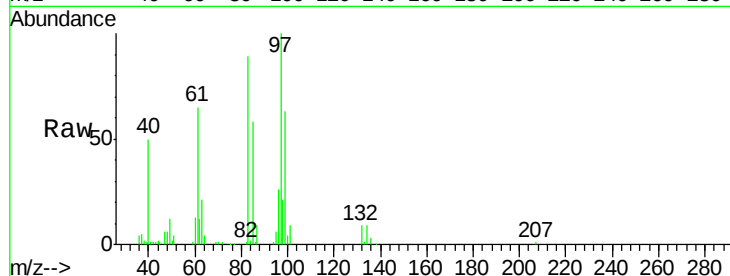
Ion Ratio Lower Upper

97 100

83 89.3 66.6 100.0

85 57.8 44.4 66.6

99 62.6 50.8 76.2

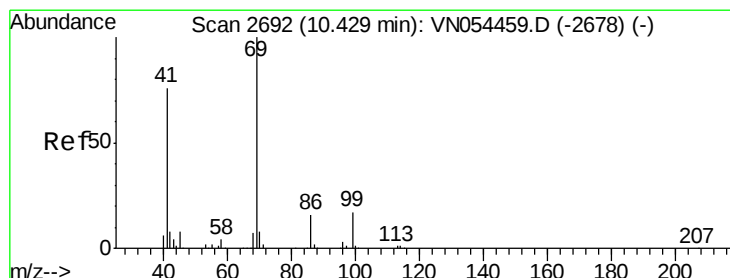
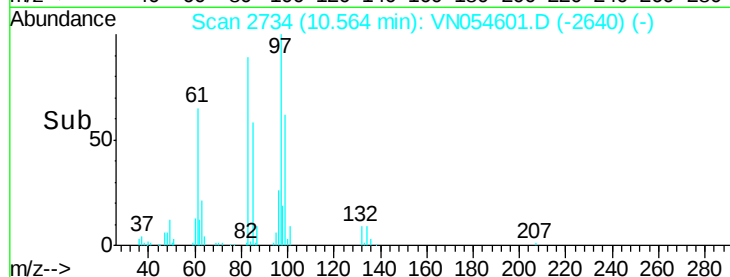
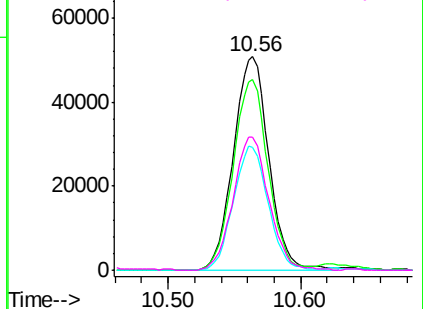


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 21.142 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN054601.D

Acq: 23 Mar 2019 13:42

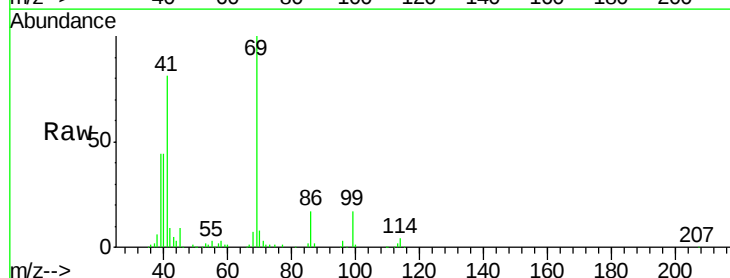
Tgt Ion: 69 Resp: 124884

Ion Ratio Lower Upper

69 100

41 76.4 49.4 74.2#

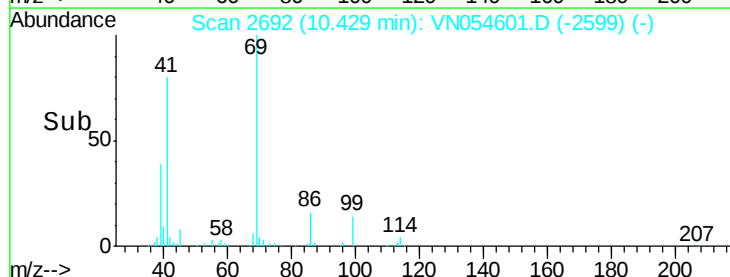
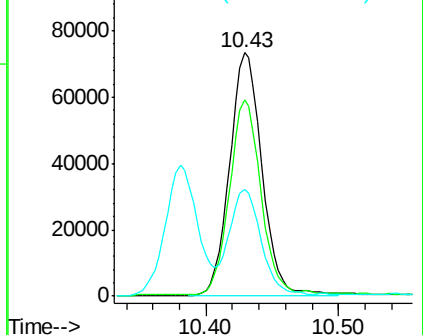
39 42.6 28.3 42.5#

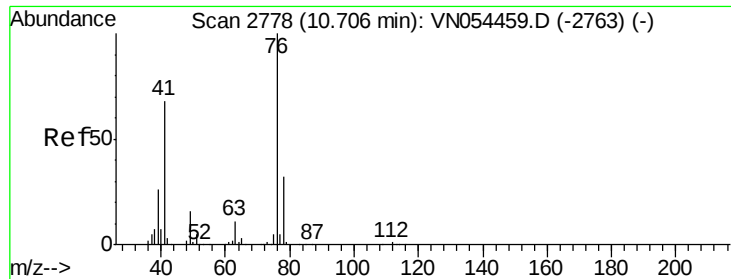


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 21.896 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN054601.D

Acq: 23 Mar 2019 13:42

Instrument :

MSVOA_N

ClientSampled :

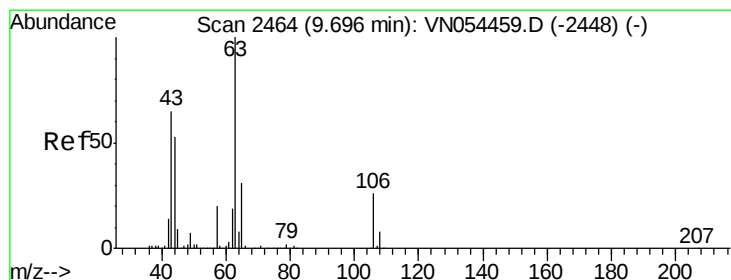
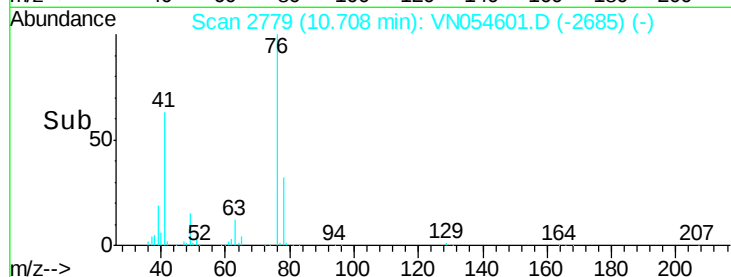
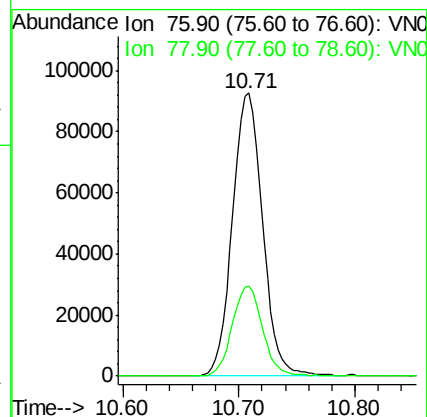
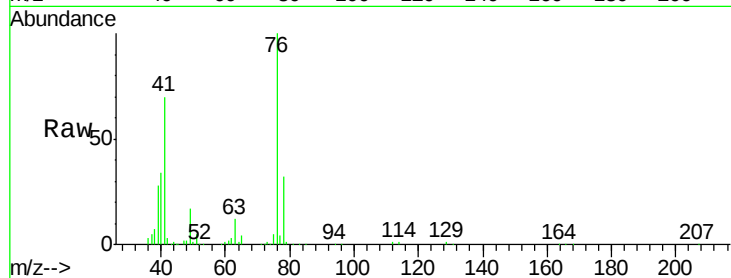
VN0323WBS01

Tot Ion: 76 Resp: 167506

Ion Ratio Lower Upper

76 100

78 31.7 25.7 38.5



#58

2-Chloroethyl Vinyl ether

Concen: 97.116 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN054601.D

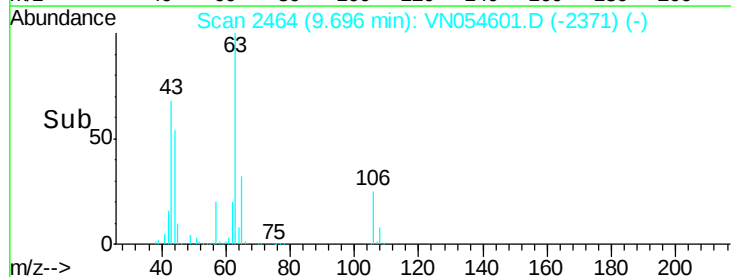
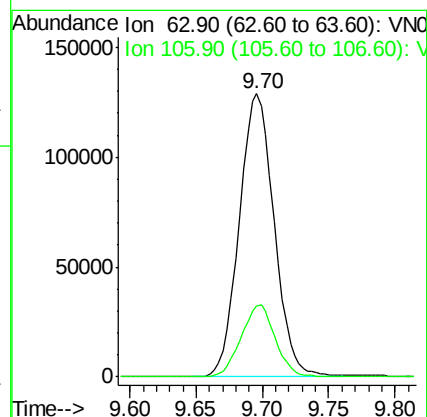
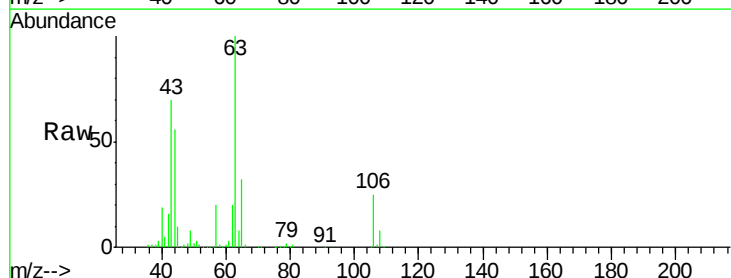
Acq: 23 Mar 2019 13:42

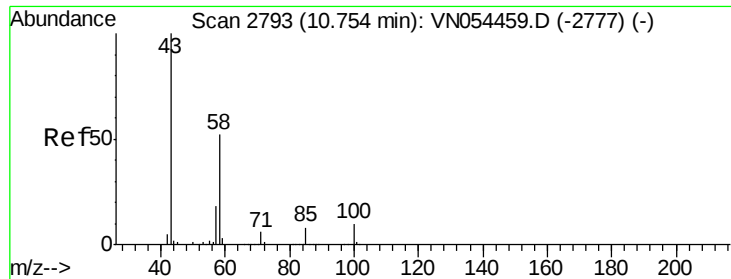
Tgt Ion: 63 Resp: 236218

Ion Ratio Lower Upper

63 100

106 25.1 24.4 36.6

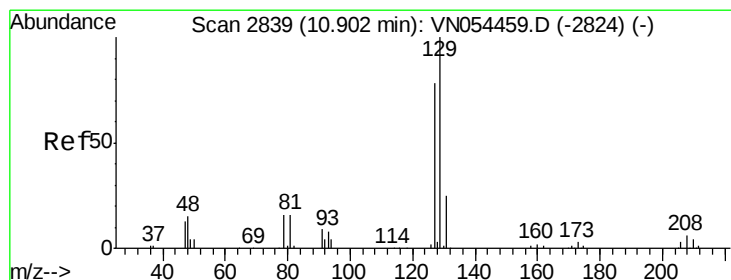
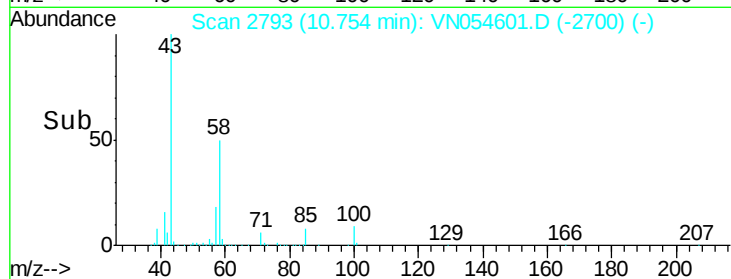
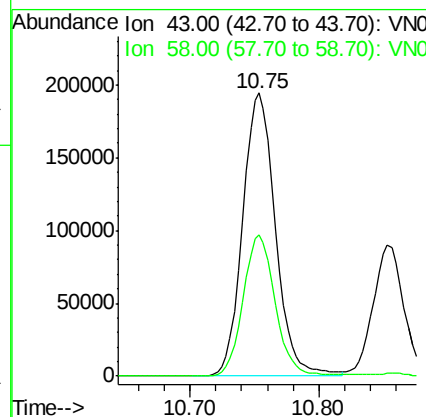
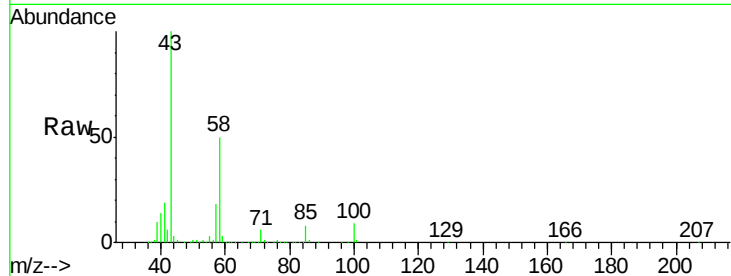




#59
2-Hexanone
Concen: 112.922 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN054601.D
Acq: 23 Mar 2019 13:42

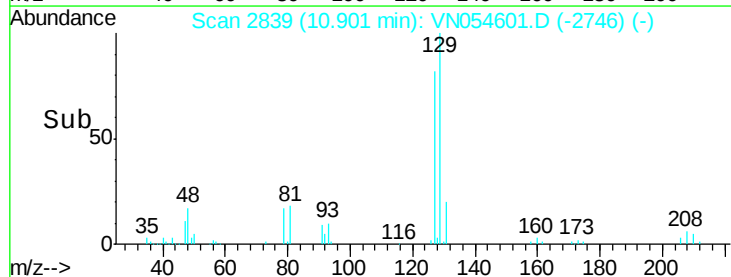
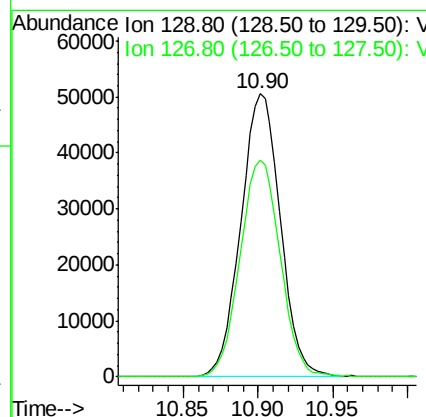
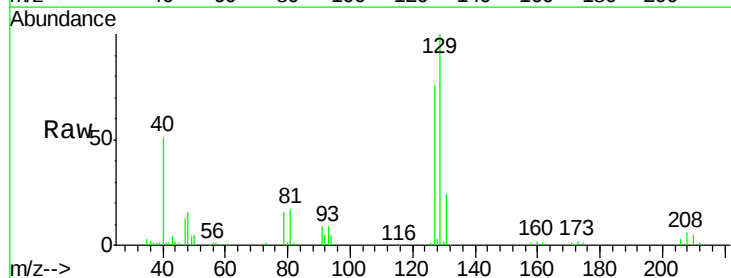
Instrument :
MSVOA_N
ClientSampleId :
VN0323WBS01

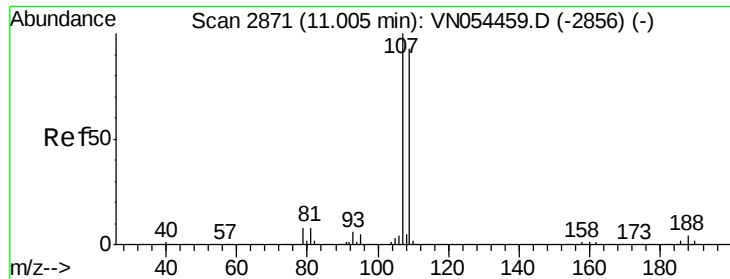
Tot Ion: 43 Resp: 341799
Ion Ratio Lower Upper
43 100
58 49.3 28.0 83.9



#60
Dibromochloromethane
Concen: 19.868 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN054601.D
Acq: 23 Mar 2019 13:42

Tgt Ion: 129 Resp: 93039
Ion Ratio Lower Upper
129 100
127 78.0 38.6 115.8





#61

1,2-Dibromoethane

Concen: 21.113 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN054601.D

Acq: 23 Mar 2019 13:42

Instrument :

MSVOA_N

ClientSampled :

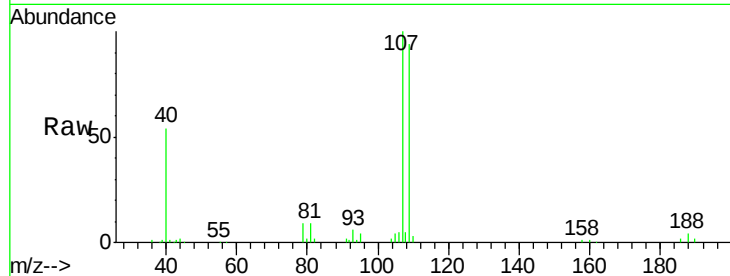
VN0323WBS01

Tot Ion:107 Resp: 91860

Ion Ratio Lower Upper

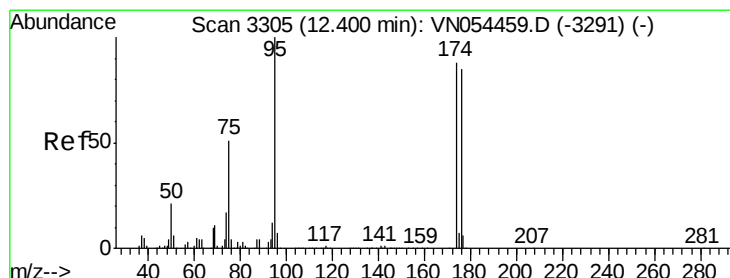
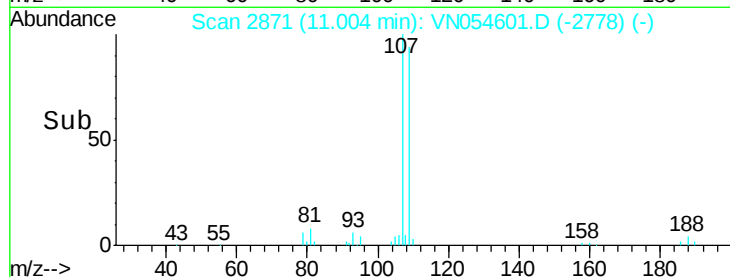
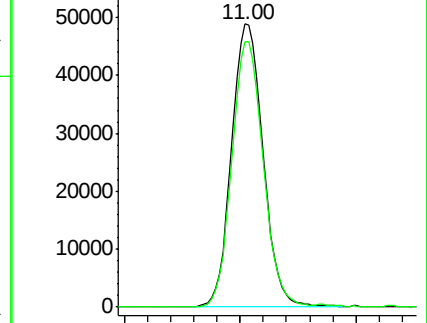
107 100

109 93.1 75.9 113.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 49.172 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN054601.D

Acq: 23 Mar 2019 13:42

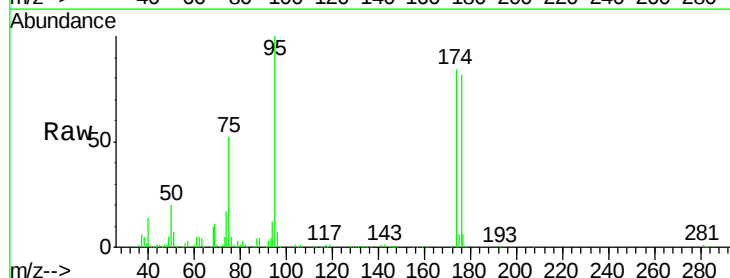
Tgt Ion: 95 Resp: 301714

Ion Ratio Lower Upper

95 100

174 84.2 0.0 191.0

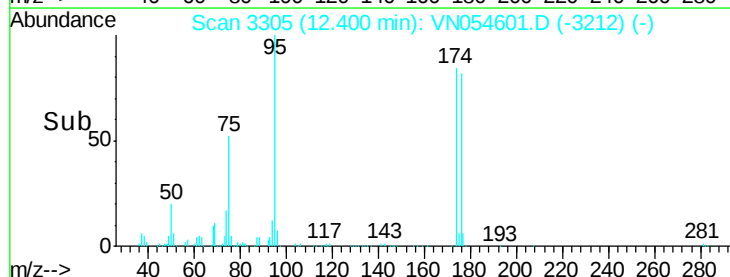
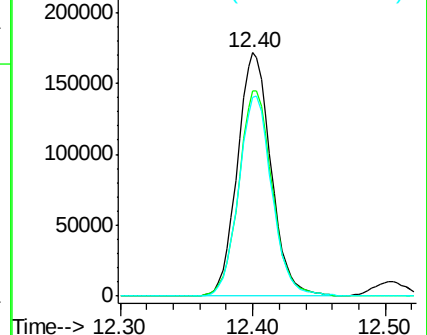
176 81.5 0.0 187.4

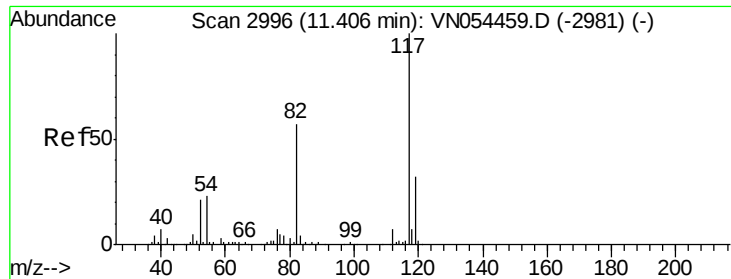


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

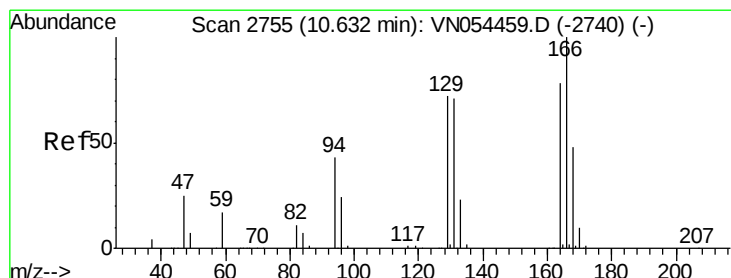
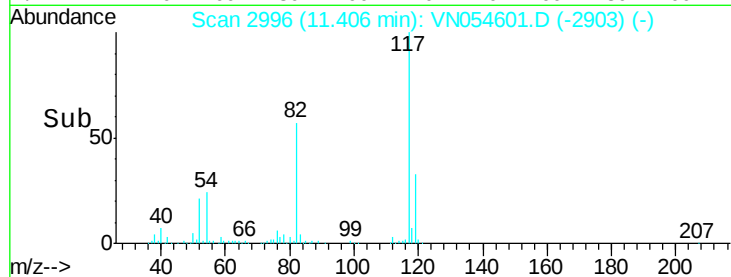
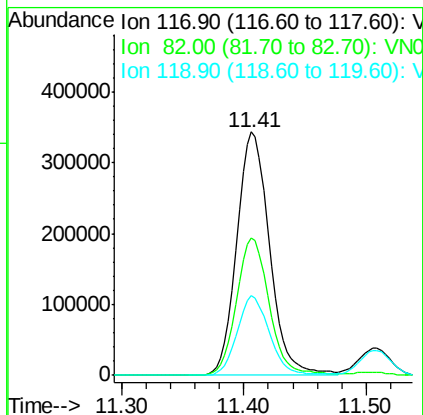
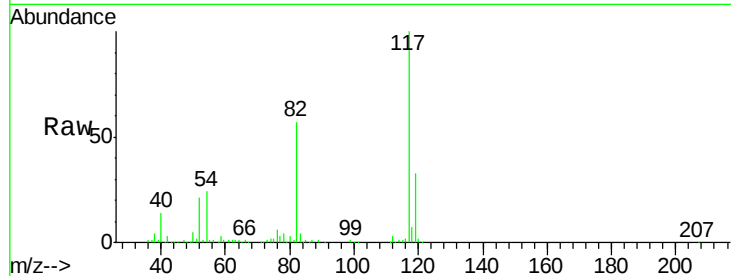




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054601.D
Acq: 23 Mar 2019 13:42

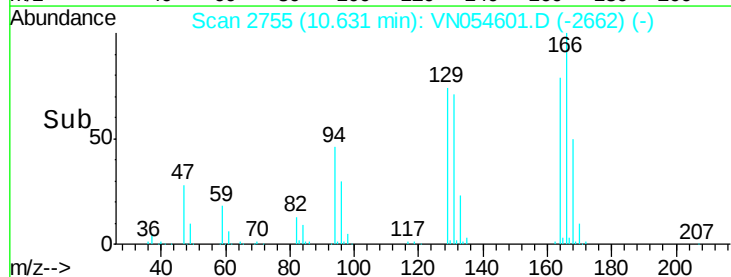
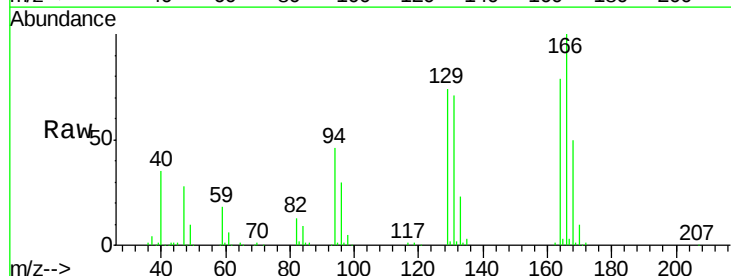
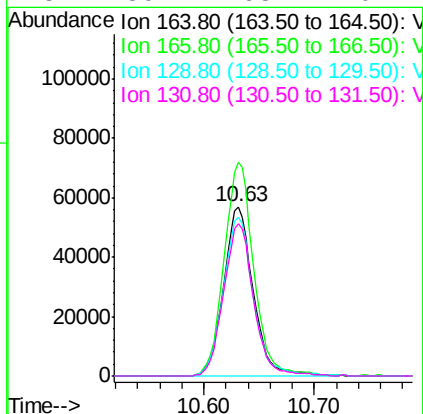
Instrument :
MSVOA_N
ClientSampleId :
VN0323WBS01

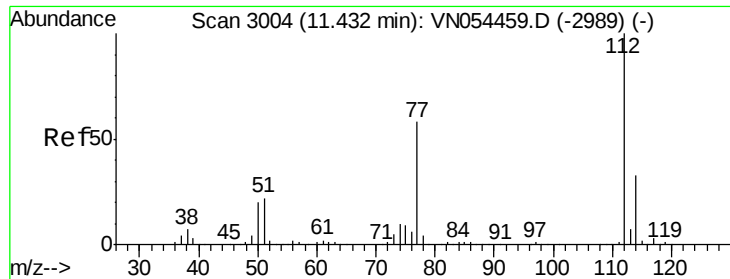
Tot Ion:117 Resp: 638627
Ion Ratio Lower Upper
117 100
82 56.6 40.0 60.0
119 32.6 25.8 38.6



#64
Tetrachloroethene
Concen: 20.052 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN054601.D
Acq: 23 Mar 2019 13:42

Tgt Ion:164 Resp: 106220
Ion Ratio Lower Upper
164 100
166 126.0 103.9 155.9
129 93.8 71.1 106.7
131 89.7 68.2 102.4





#65

Chlorobenzene

Concen: 20.305 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN054601.D

Acq: 23 Mar 2019 13:42

Instrument :

MSVOA_N

ClientSampleId :

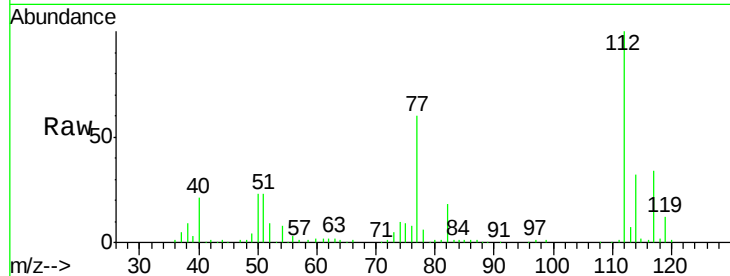
VN0323WBS01

Tot Ion:112 Resp: 263741

Ion Ratio Lower Upper

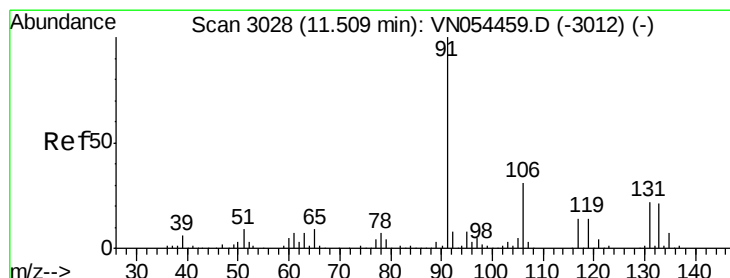
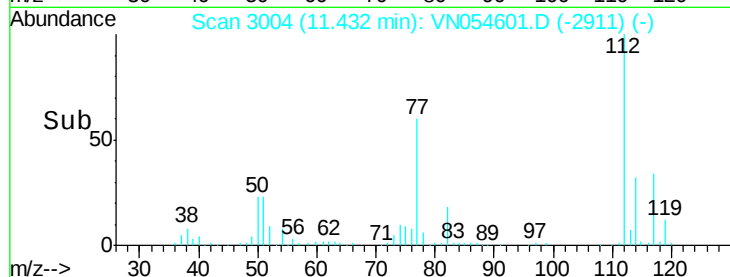
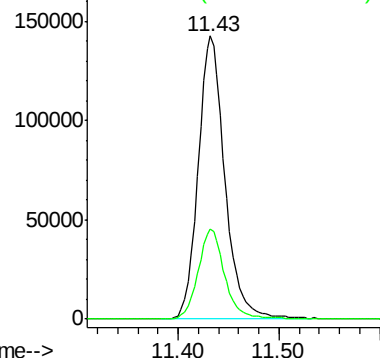
112 100

114 31.9 25.9 38.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.655 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN054601.D

Acq: 23 Mar 2019 13:42

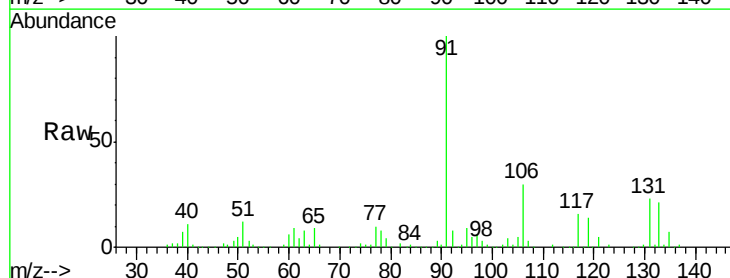
Tgt Ion:131 Resp: 96295

Ion Ratio Lower Upper

131 100

133 95.4 47.6 142.9

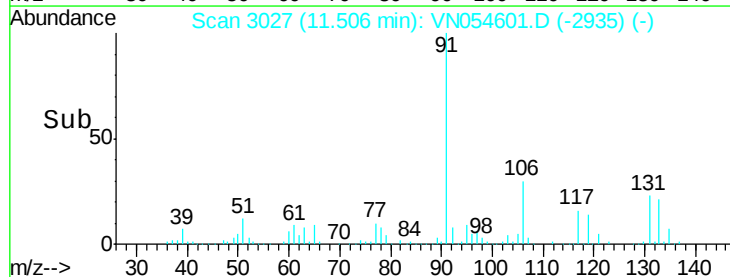
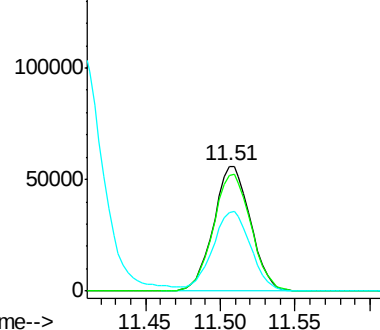
119 65.8 32.4 97.0

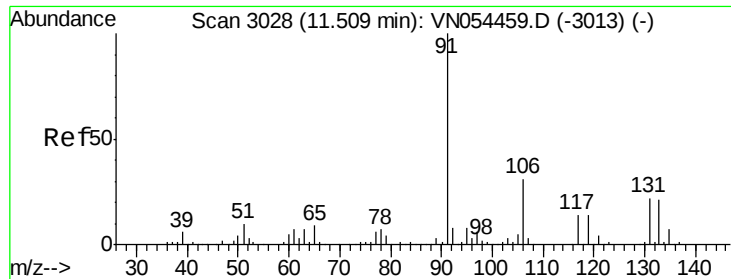


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

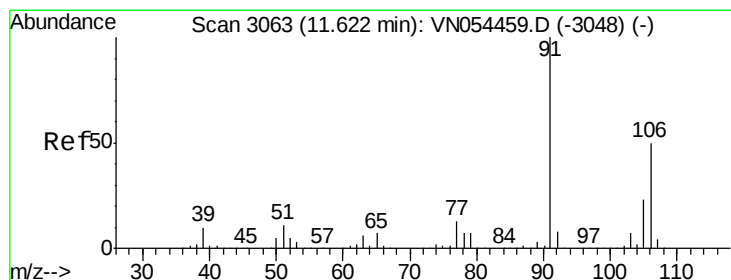
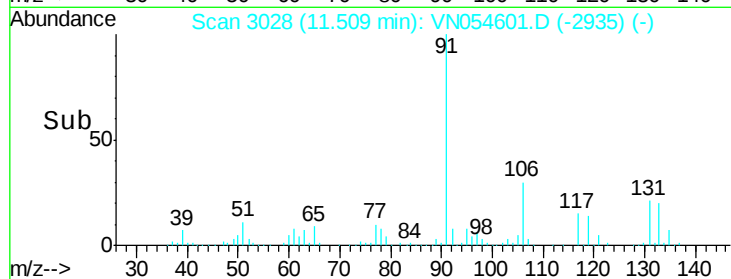
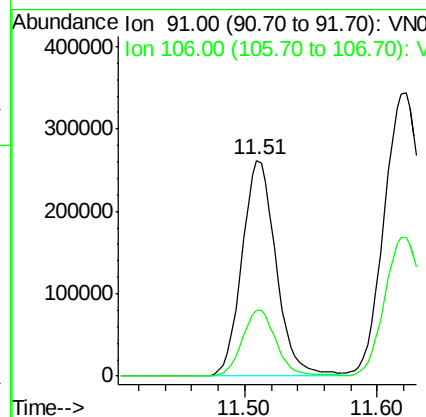
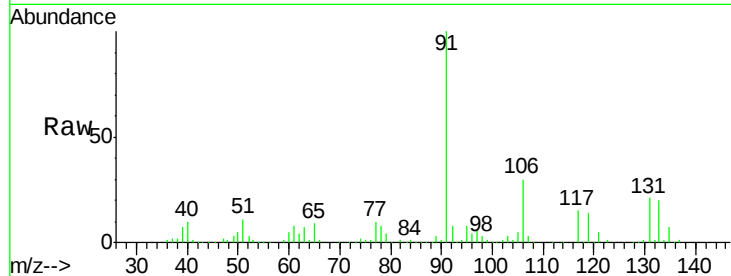




#67
Ethyl Benzene
Concen: 20.391 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN054601.D
Acq: 23 Mar 2019 13:42

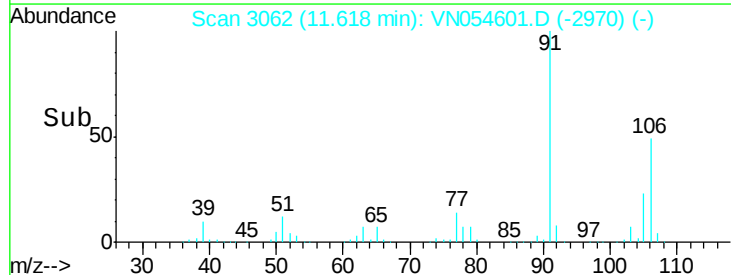
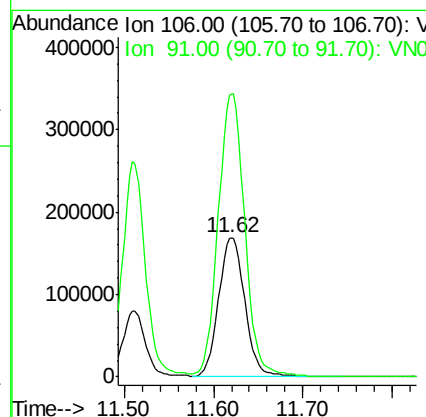
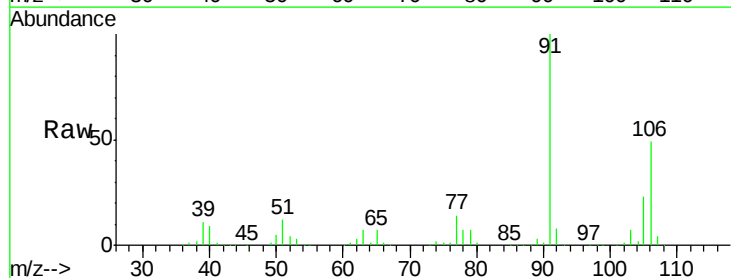
Instrument :
MSVOA_N
ClientSampled :
VN0323WBS01

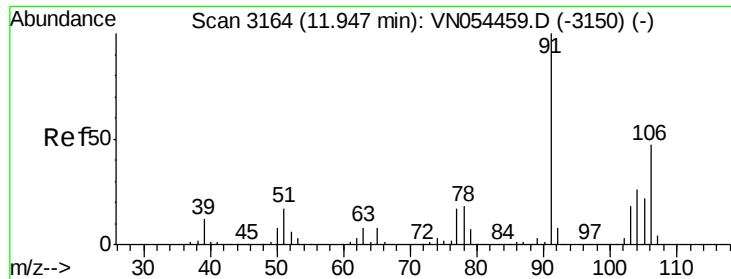
Tot Ion: 91 Resp: 467857
Ion Ratio Lower Upper
91 100
106 30.5 25.5 38.3



#68
m/p-Xylenes
Concen: 39.766 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN054601.D
Acq: 23 Mar 2019 13:42

Tgt Ion: 106 Resp: 345588
Ion Ratio Lower Upper
106 100
91 205.7 159.4 239.2

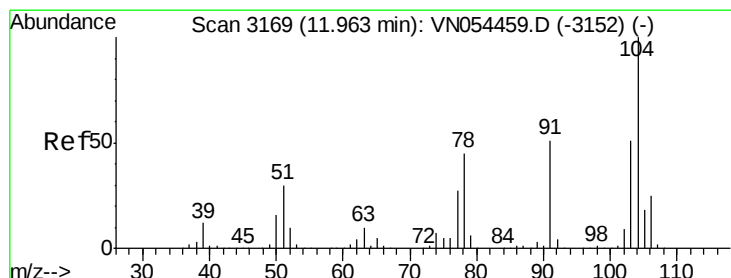
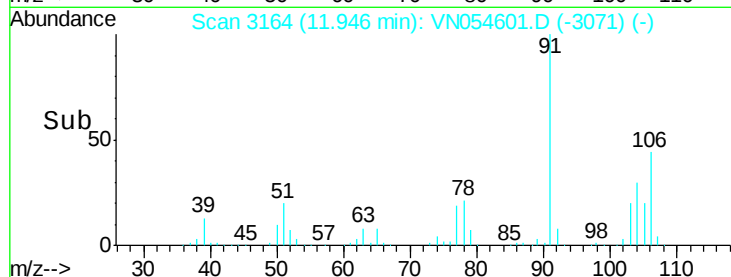
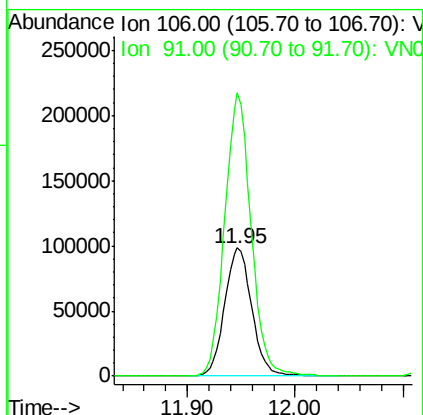
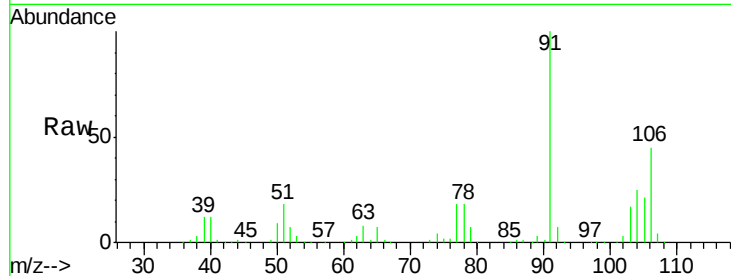




#69
o-Xylene
Concen: 20.341 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN054601.D
Acq: 23 Mar 2019 13:42

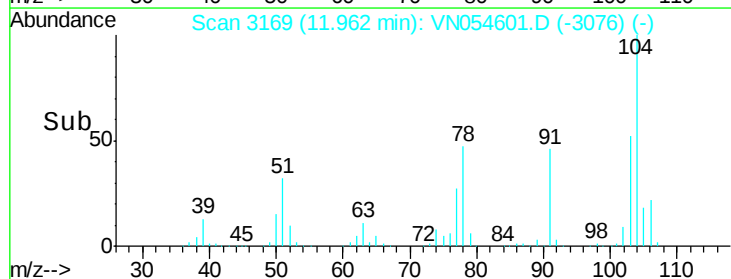
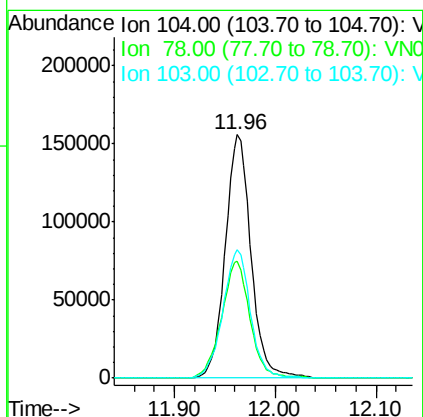
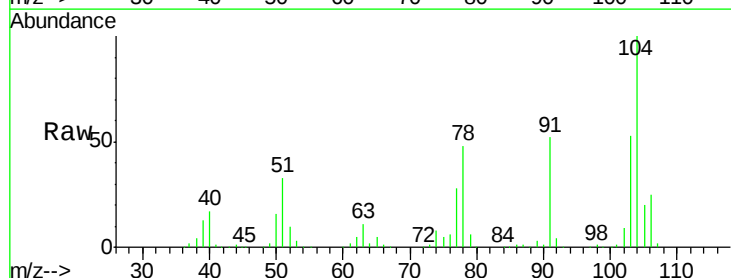
Instrument :
MSVOA_N
ClientSampled :
VN0323WBS01

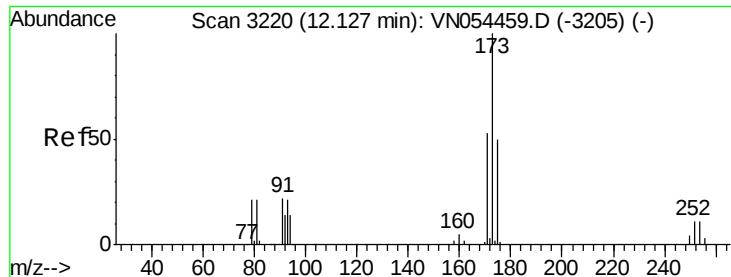
Tot Ion:106 Resp: 172642
Ion Ratio Lower Upper
106 100
91 214.7 105.7 317.1



#70
Styrene
Concen: 20.152 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN054601.D
Acq: 23 Mar 2019 13:42

Tgt Ion:104 Resp: 277751
Ion Ratio Lower Upper
104 100
78 53.0 38.2 57.2
103 56.4 44.4 66.6





#71

Bromoform

Concen: 18.407 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN054601.D

Acq: 23 Mar 2019 13:42

Instrument :

MSVOA_N

ClientSampleId :

VN0323WBS01

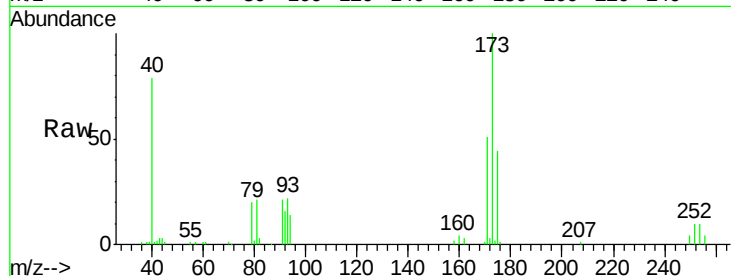
Tot Ion:173 Resp: 54444

Ion Ratio Lower Upper

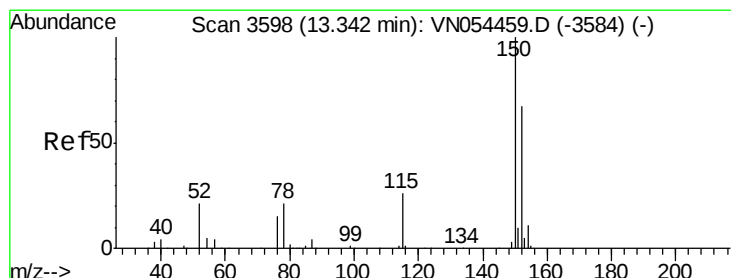
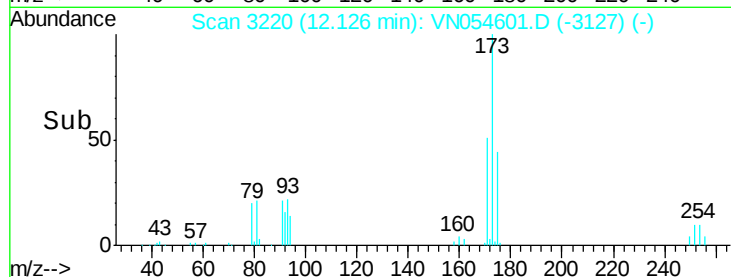
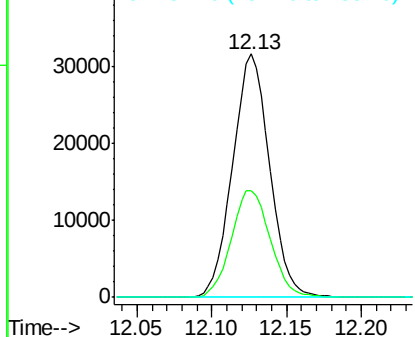
173 100

175 46.1 24.4 73.2

254 0.0 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN054601.D

Acq: 23 Mar 2019 13:42

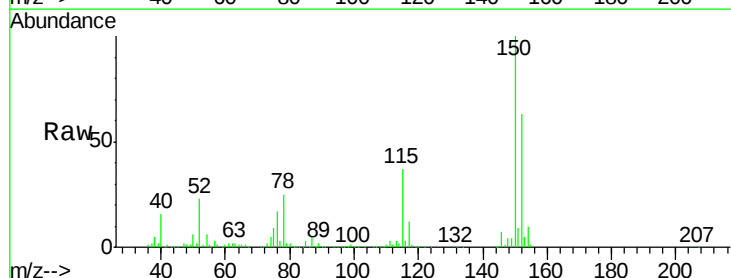
Tgt Ion:152 Resp: 267401

Ion Ratio Lower Upper

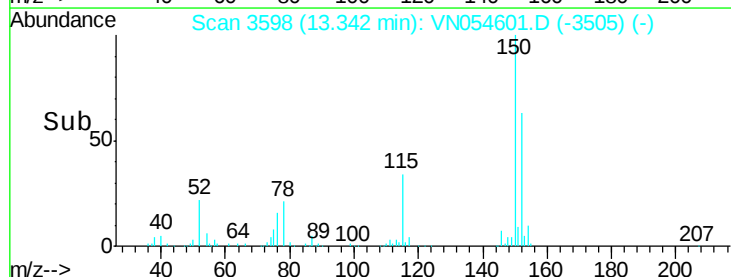
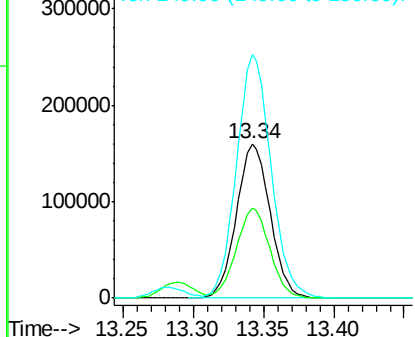
152 100

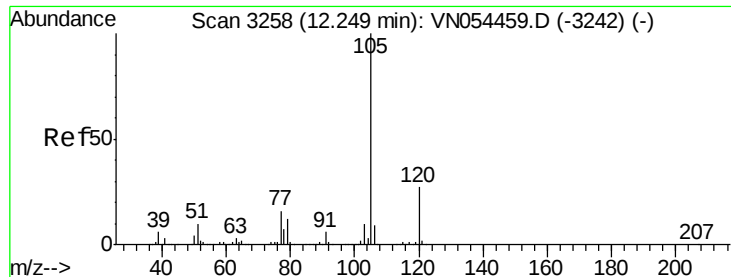
115 58.1 27.2 81.6

150 162.2 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: 21.055 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN054601.D

Acq: 23 Mar 2019 13:42

Instrument :

MSVOA_N

ClientSampleId :

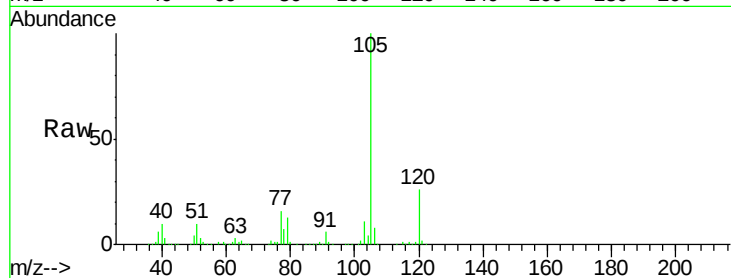
VN0323WBS01

Tot Ion:105 Resp: 453687

Ion Ratio Lower Upper

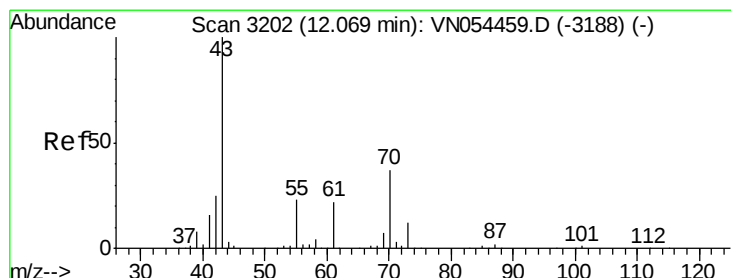
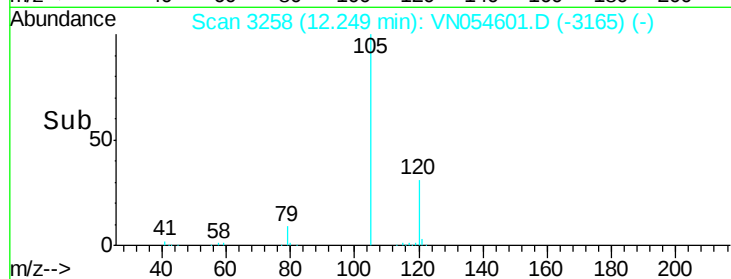
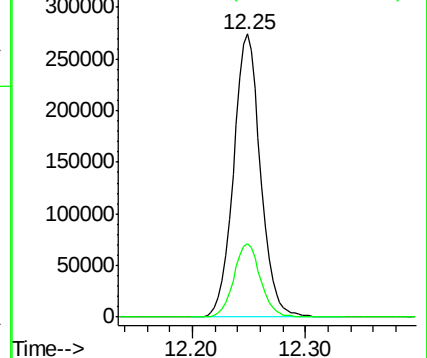
105 100

120 25.8 13.8 41.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 23.291 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN054601.D

Acq: 23 Mar 2019 13:42

Tgt Ion: 43 Resp: 144306

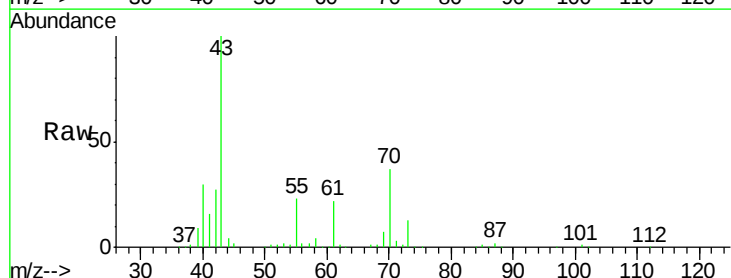
Ion Ratio Lower Upper

43 100

70 37.5 35.4 53.0

55 23.0 19.8 29.6

61 22.7 19.8 29.6

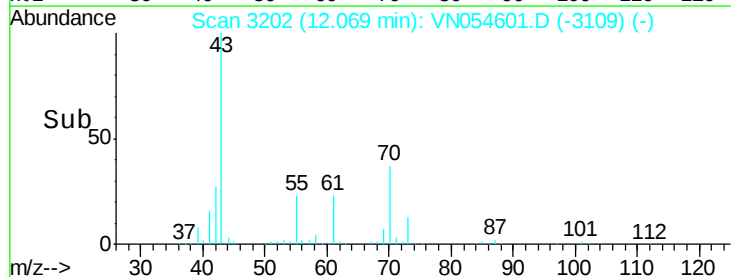
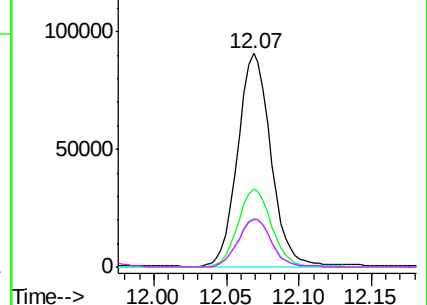


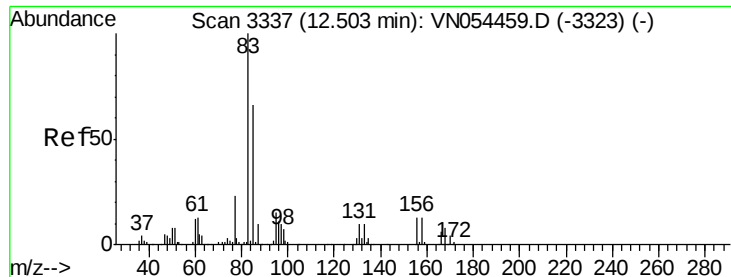
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#75

1,1,2,2-Tetrachloroethane

Concen: 22.957 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN054601.D

Acq: 23 Mar 2019 13:42

Instrument :

MSVOA_N

ClientSampleId :

VN0323WBS01

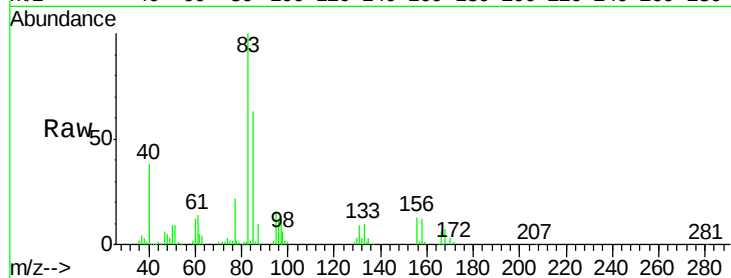
Tot Ion: 83 Resp: 112922

Ion Ratio Lower Upper

83 100

131 9.7 5.8 17.4

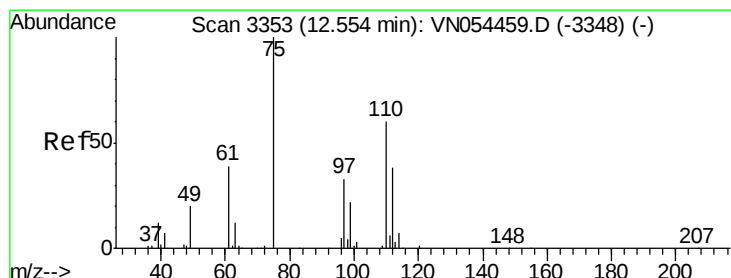
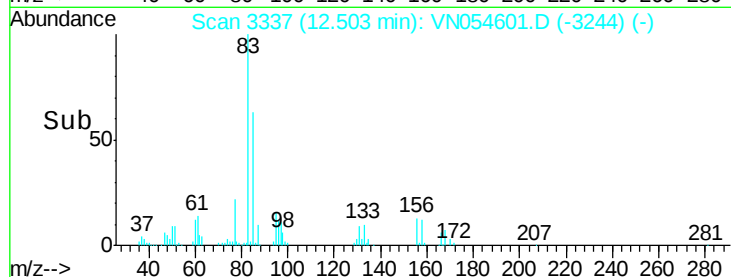
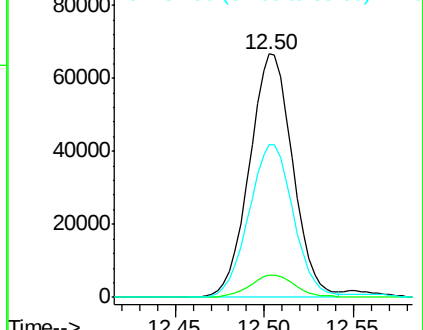
85 64.6 32.2 96.6



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: 31.864 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN054601.D

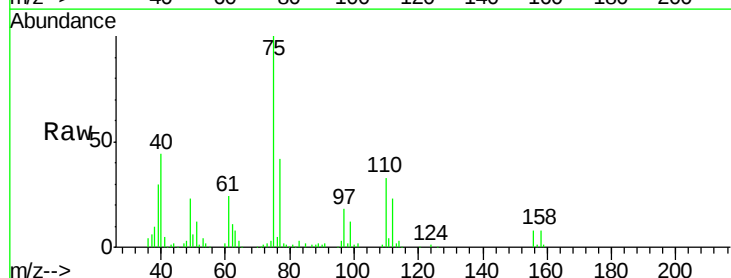
Acq: 23 Mar 2019 13:42

Tgt Ion: 75 Resp: 135206

Ion Ratio Lower Upper

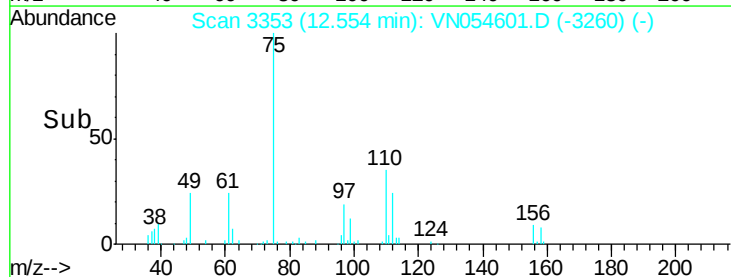
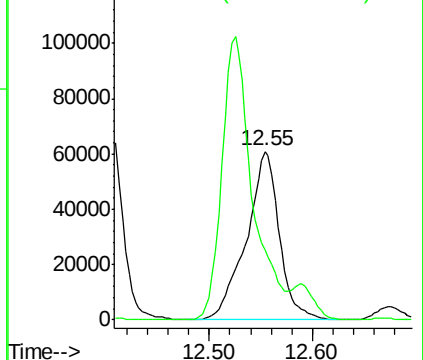
75 100

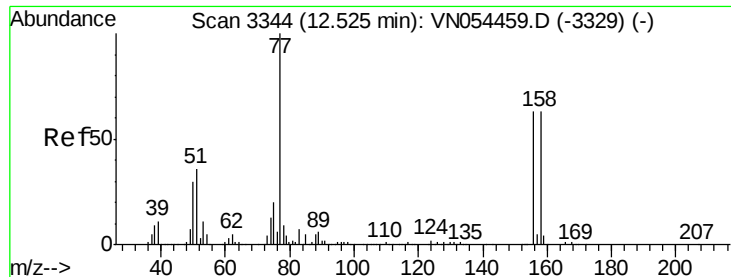
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 20.791 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN054601.D

Acq: 23 Mar 2019 13:42

Instrument :

MSVOA_N

ClientSampled :

VN0323WBS01

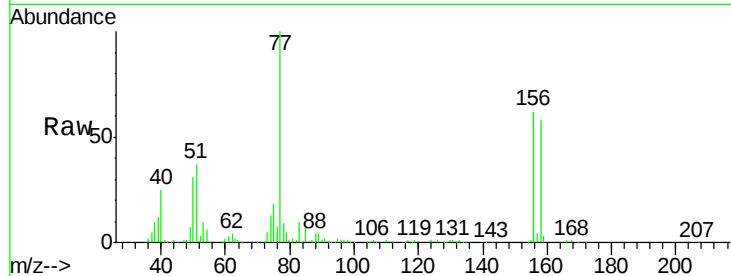
Tot Ion:156 Resp: 111109

Ion Ratio Lower Upper

156 100

77 191.2 81.5 244.4

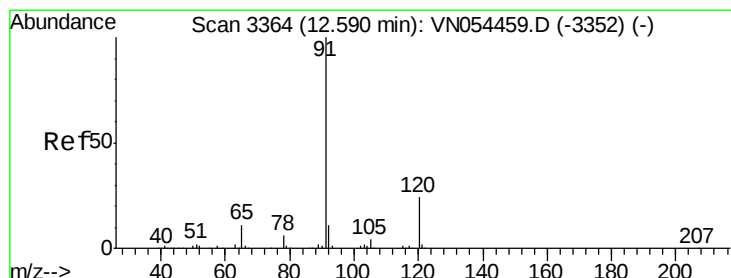
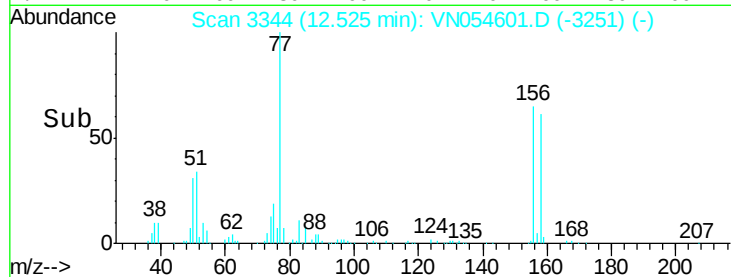
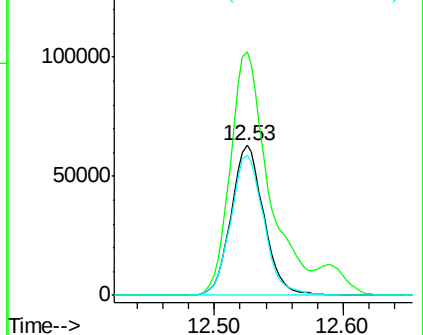
158 94.8 49.0 147.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.721 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN054601.D

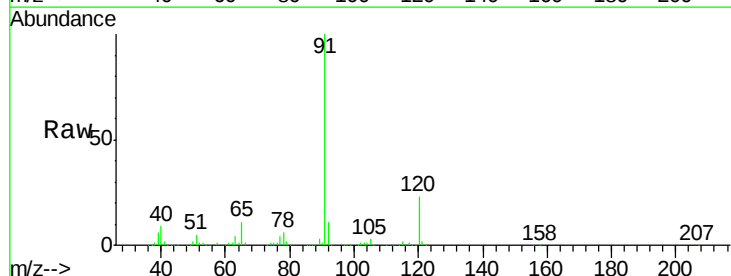
Acq: 23 Mar 2019 13:42

Tgt Ion: 91 Resp: 484148

Ion Ratio Lower Upper

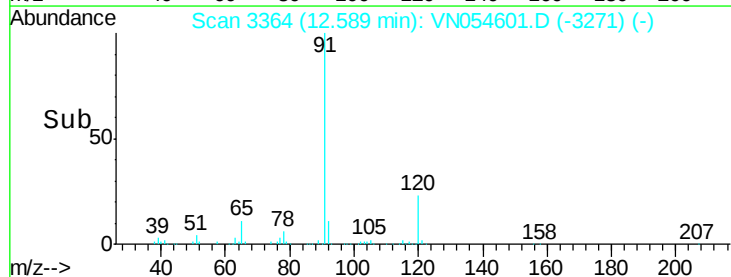
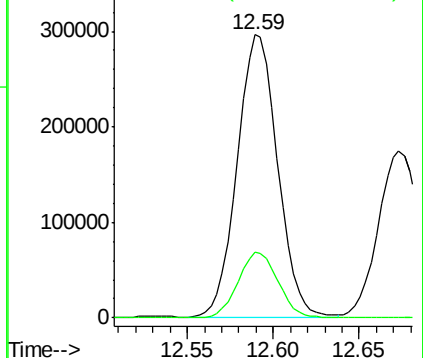
91 100

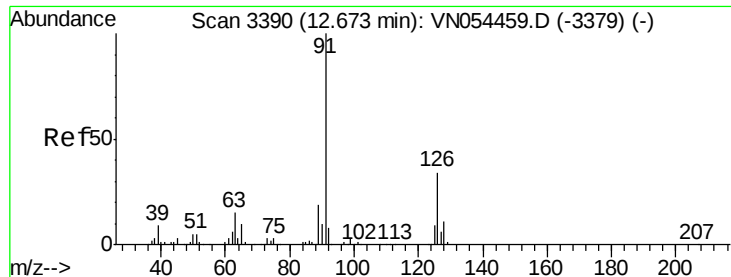
120 23.0 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.973 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN054601.D

Acq: 23 Mar 2019 13:42

Instrument :

MSVOA_N

ClientSampleId :

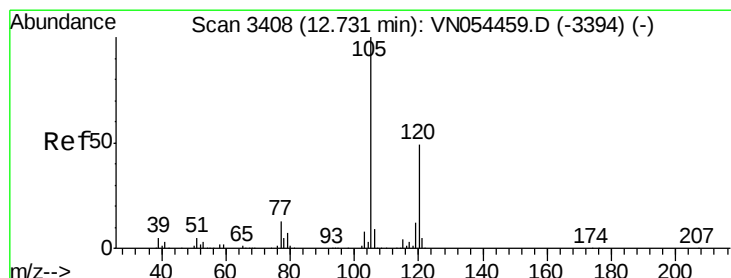
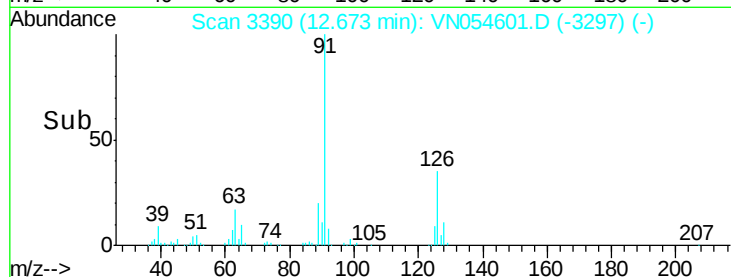
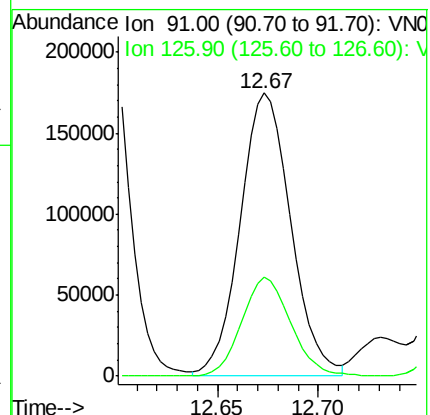
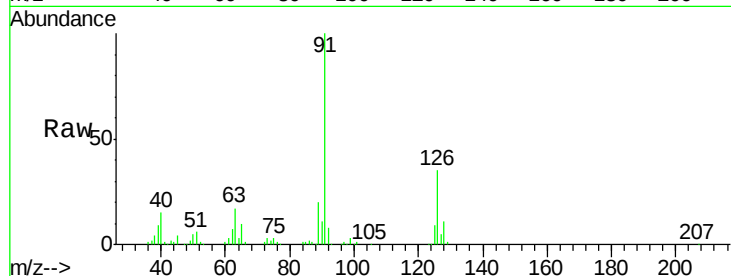
VN0323WBS01

Tot Ion: 91 Resp: 305586

Ion Ratio Lower Upper

91 100

126 34.0 18.7 56.1



#80

1,3,5-Trimethylbenzene

Concen: 20.784 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN054601.D

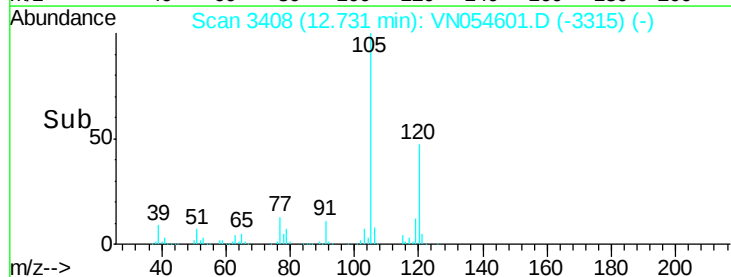
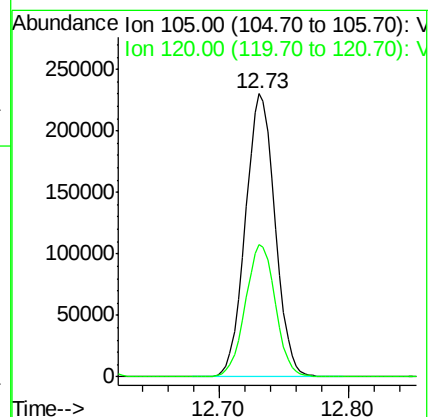
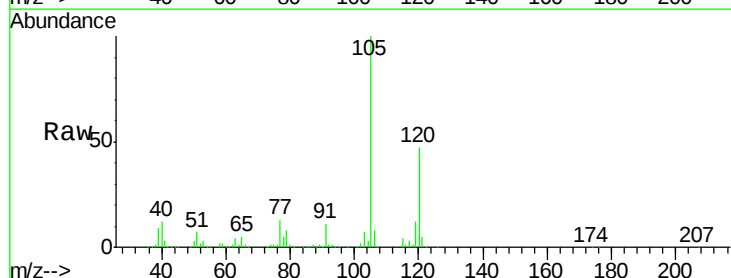
Acq: 23 Mar 2019 13:42

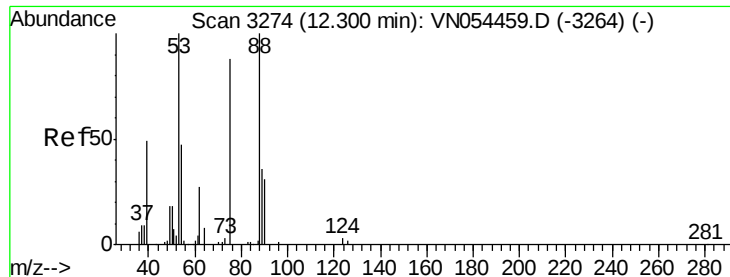
Tgt Ion: 105 Resp: 367051

Ion Ratio Lower Upper

105 100

120 47.7 25.0 75.0

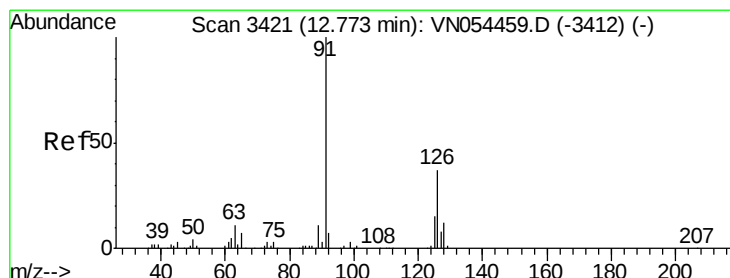
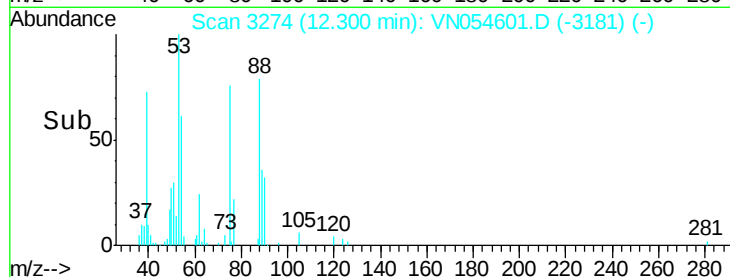
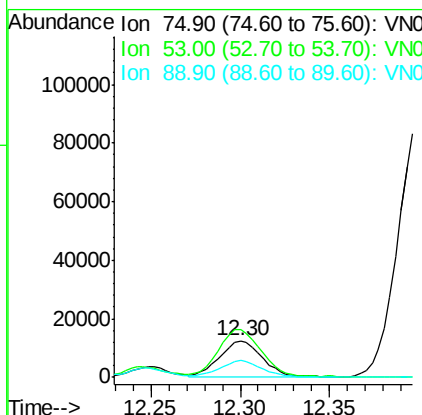
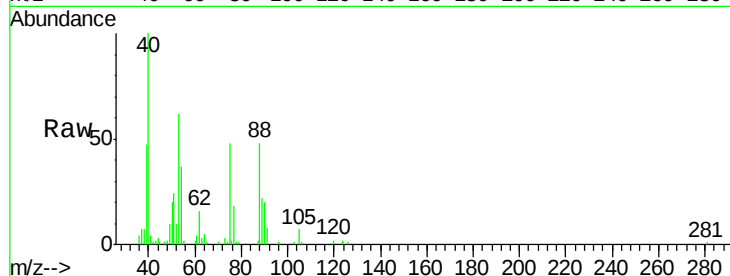




#81
trans-1,4-Dichloro-2-butene
Concen: 19.195 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN054601.D
Acq: 23 Mar 2019 13:42

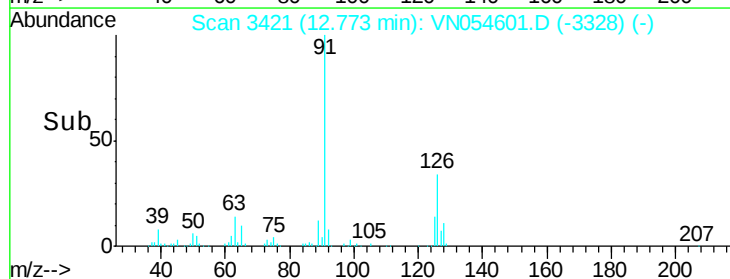
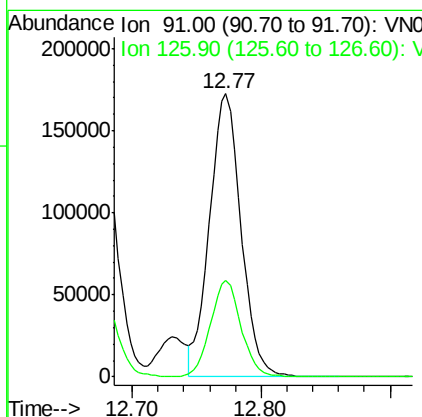
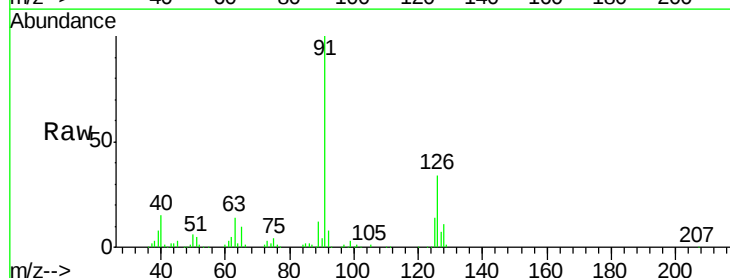
Instrument :
MSVOA_N
ClientSampled :
VN0323WBS01

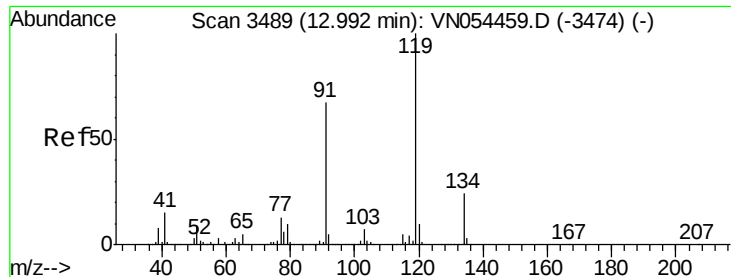
Tot Ion: 75 Resp: 21058
Ion Ratio Lower Upper
75 100
53 132.0 76.2 114.2#
89 45.2 39.2 58.8



#82
4-Chlorotoluene
Concen: 20.728 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN054601.D
Acq: 23 Mar 2019 13:42

Tgt Ion: 91 Resp: 292746
Ion Ratio Lower Upper
91 100
126 33.1 18.1 54.1

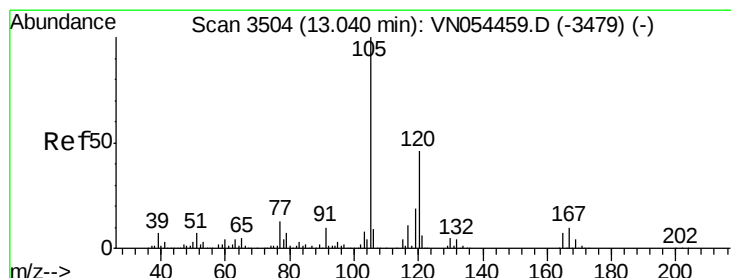
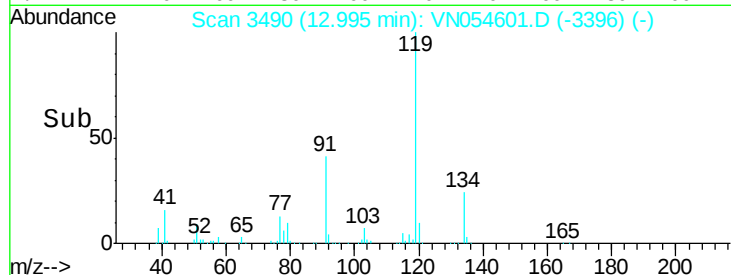
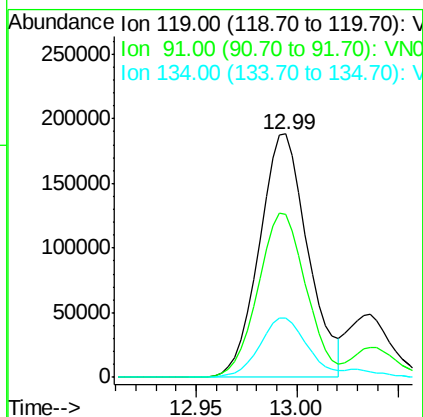
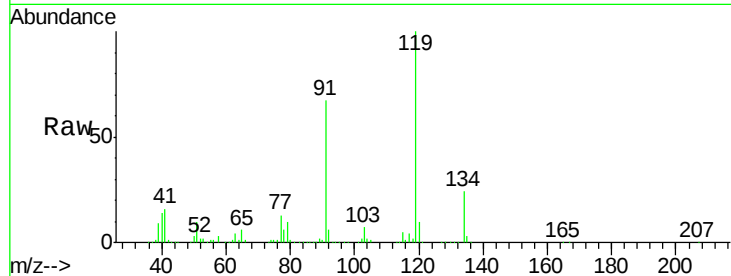




#83
 tert-Butylbenzene
 Concen: 20.562 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN054601.D
 Acq: 23 Mar 2019 13:42

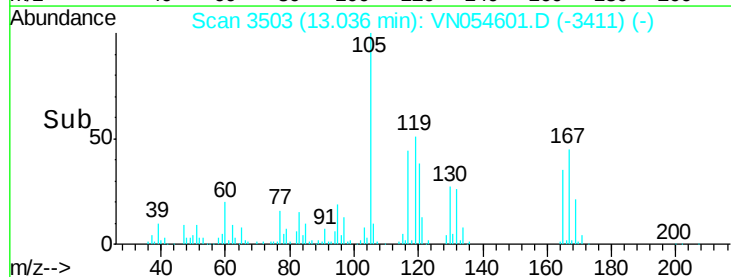
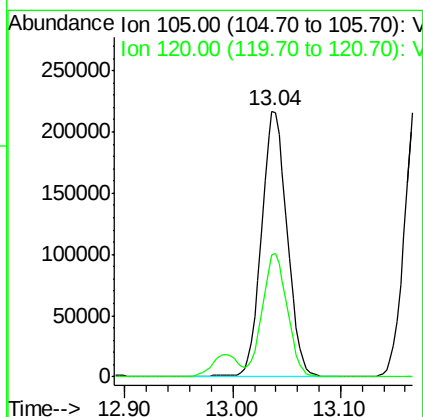
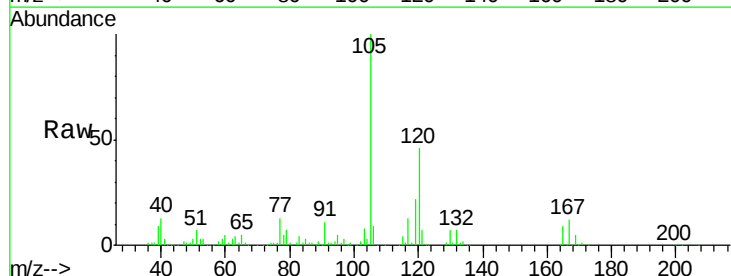
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0323WBS01

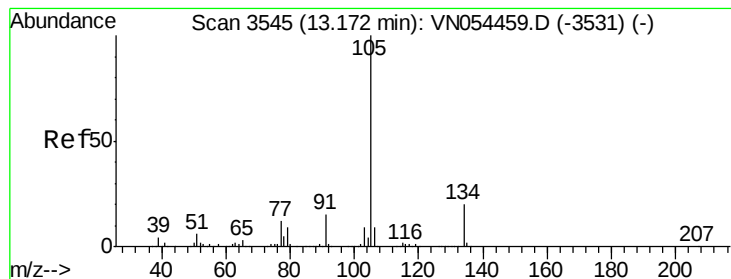
Tot Ion:119 Resp: 316083
 Ion Ratio Lower Upper
 119 100
 91 66.7 30.9 92.8
 134 23.8 13.2 39.6



#84
 1,2,4-Trimethylbenzene
 Concen: 20.656 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. -0.00 min
 Lab File: VN054601.D
 Acq: 23 Mar 2019 13:42

Tgt Ion:105 Resp: 357934
 Ion Ratio Lower Upper
 105 100
 120 45.2 23.4 70.3





#85

sec-Butylbenzene

Concen: 20.334 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN054601.D

Acq: 23 Mar 2019 13:42

Instrument :

MSVOA_N

ClientSampled :

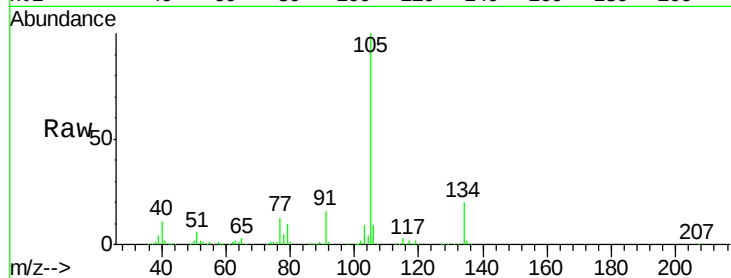
VN0323WBS01

Tot Ion:105 Resp: 389665

Ion Ratio Lower Upper

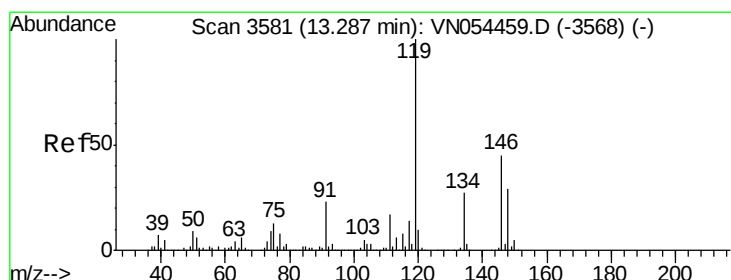
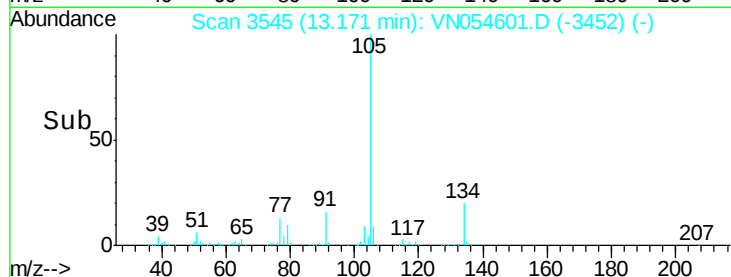
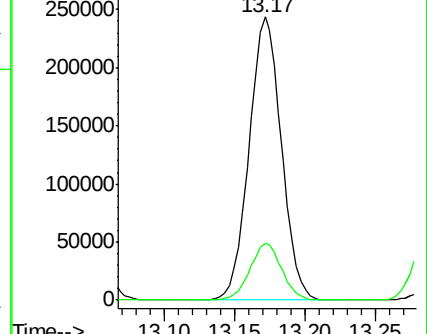
105 100

134 19.9 10.7 32.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.069 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN054601.D

Acq: 23 Mar 2019 13:42

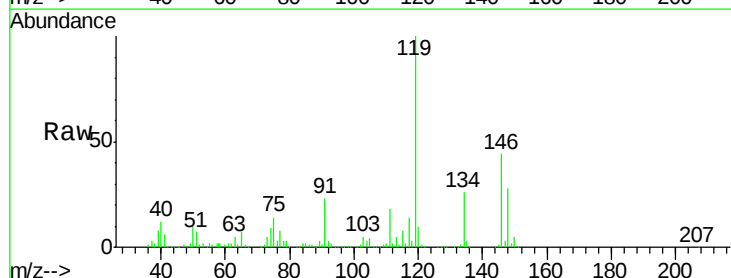
Tgt Ion:119 Resp: 344059

Ion Ratio Lower Upper

119 100

134 26.3 13.6 40.8

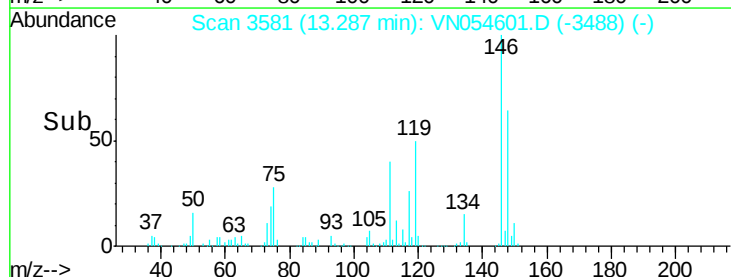
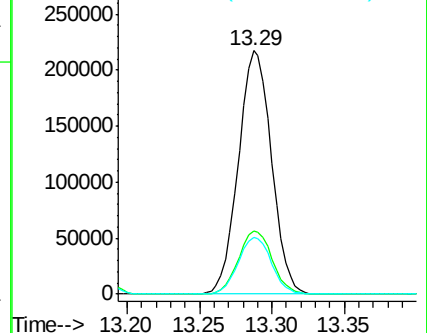
91 23.6 11.1 33.3

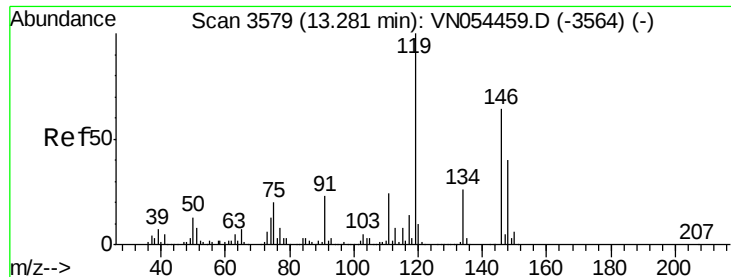


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 20.053 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN054601.D

Acq: 23 Mar 2019 13:42

Instrument :

MSVOA_N

ClientSampled :

VN0323WBS01

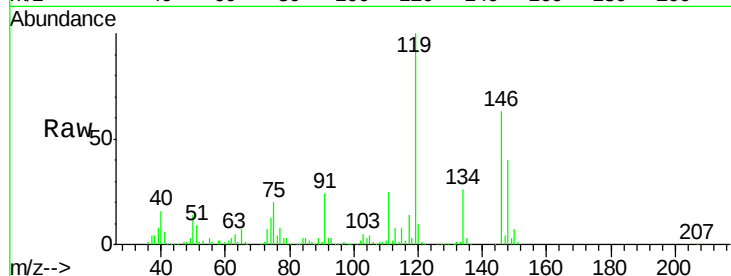
Tot Ion:146 Resp: 177590

Ion Ratio Lower Upper

146 100

111 40.0 18.8 56.3

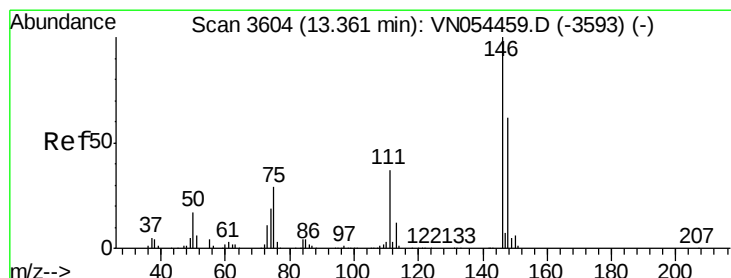
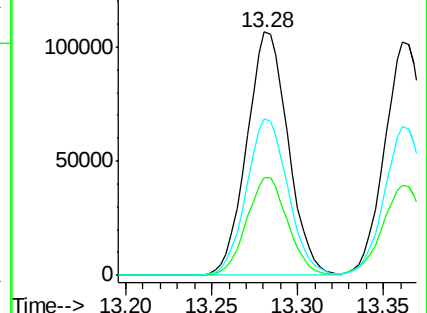
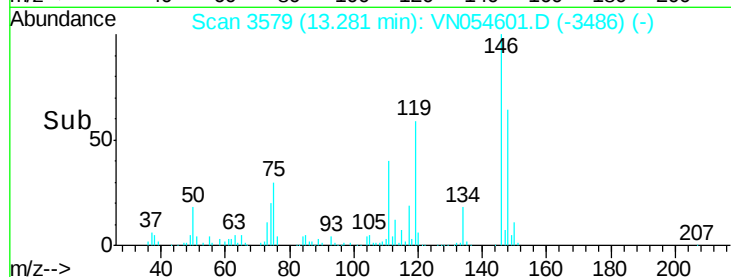
148 64.6 32.2 96.6



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 20.056 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. -0.00 min

Lab File: VN054601.D

Acq: 23 Mar 2019 13:42

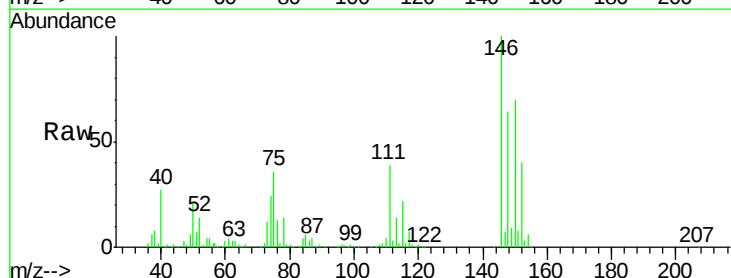
Tgt Ion:146 Resp: 172817

Ion Ratio Lower Upper

146 100

111 40.2 18.1 54.1

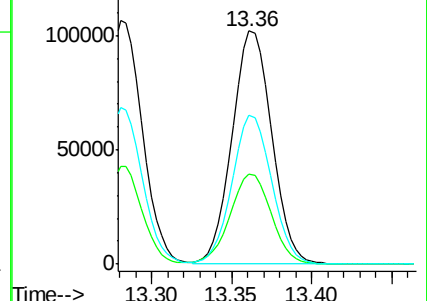
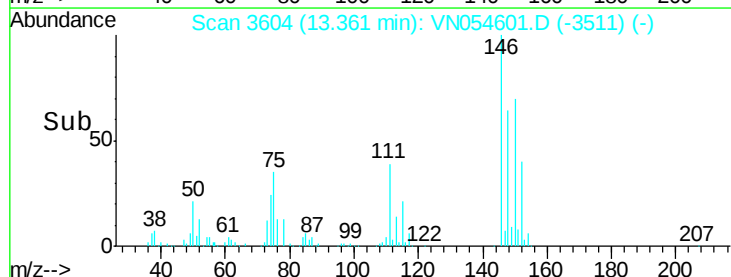
148 63.8 32.0 96.0

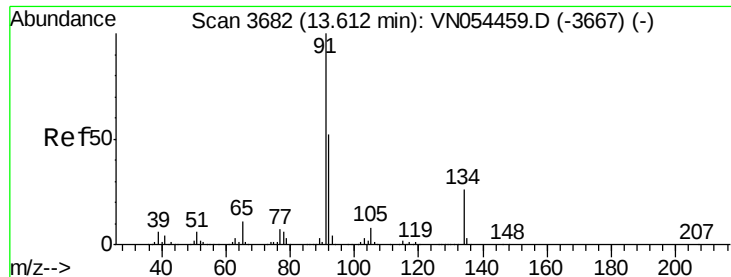


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 19.335 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN054601.D

Acq: 23 Mar 2019 13:42

Instrument :

MSVOA_N

ClientSampled :

VN0323WBS01

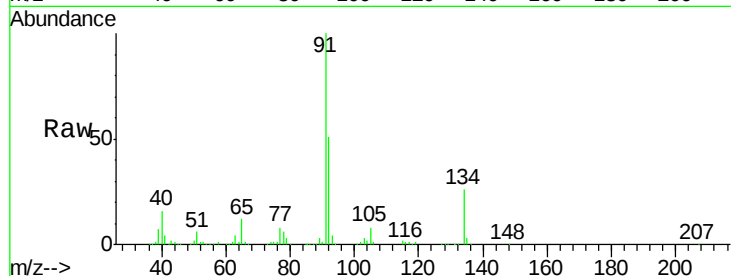
Tot Ion: 91 Resp: 259192

Ion Ratio Lower Upper

91 100

92 52.2 26.2 78.6

134 25.9 14.3 42.9

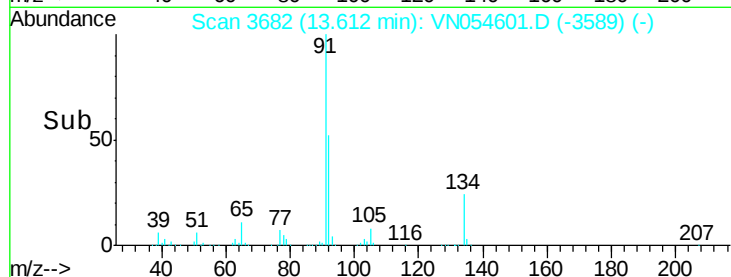


Abundance Ion 91.00 (90.70 to 91.70): VN054459.D (-3667) (-)

Ion 92.00 (91.70 to 92.70): VN054459.D (-3667) (-)

Ion 134.00 (133.70 to 134.70): VN054459.D (-3667) (-)

Time-->

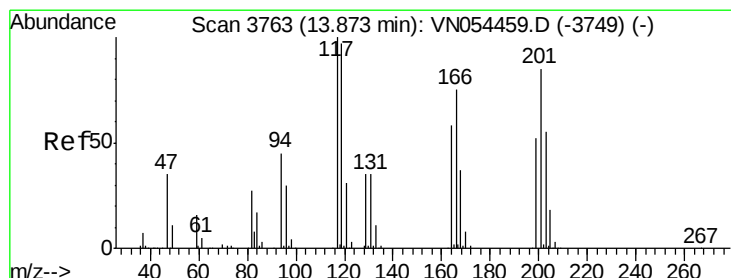


Abundance Ion 91.00 (90.70 to 91.70): VN054601.D (-3589) (-)

Ion 92.00 (91.70 to 92.70): VN054601.D (-3589) (-)

Ion 134.00 (133.70 to 134.70): VN054601.D (-3589) (-)

Time-->



#90

Hexachloroethane

Concen: 18.751 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN054601.D

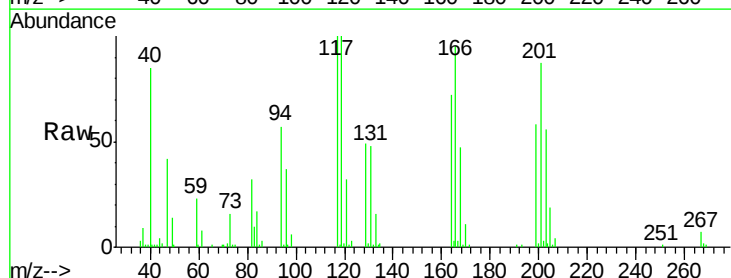
Acq: 23 Mar 2019 13:42

Tgt Ion: 117 Resp: 49900

Ion Ratio Lower Upper

117 100

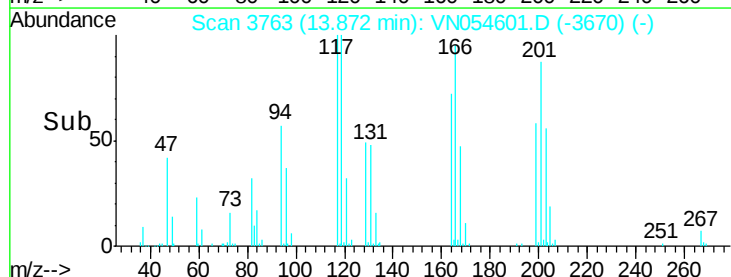
201 89.8 48.1 144.4



Abundance Ion 116.80 (116.50 to 117.50): VN054459.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN054459.D (-3749) (-)

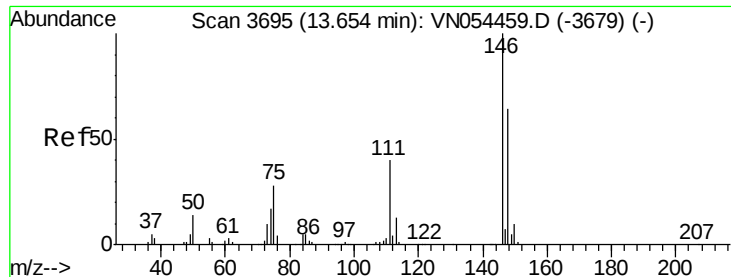
Time-->



Abundance Ion 116.80 (116.50 to 117.50): VN054601.D (-3670) (-)

Ion 200.70 (200.40 to 201.40): VN054601.D (-3670) (-)

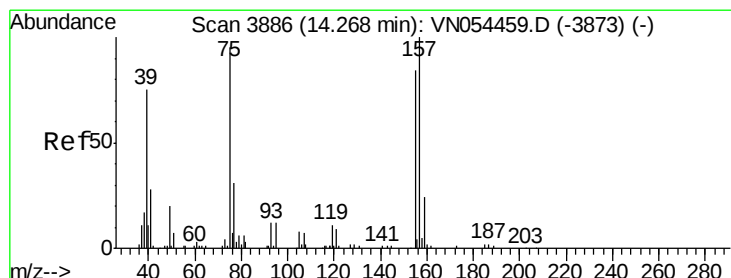
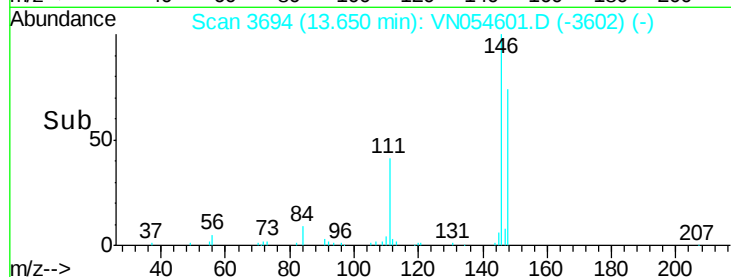
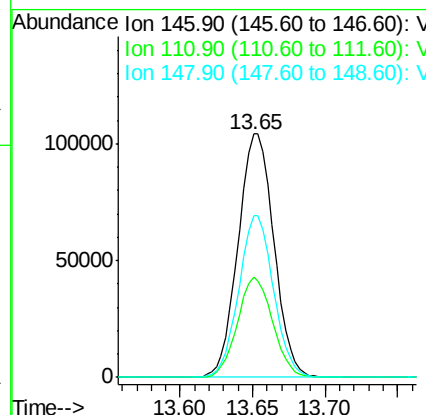
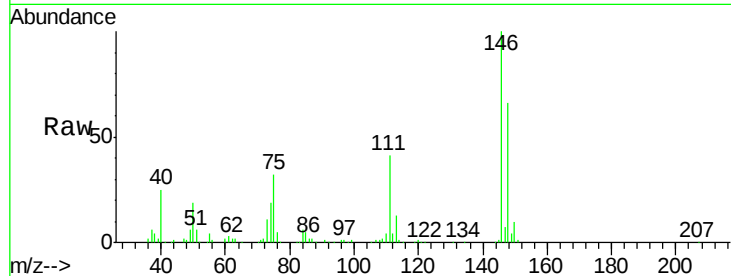
Time-->



#91
 1,2-Dichlorobenzene
 Concen: 20.870 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN054601.D
 Acq: 23 Mar 2019 13:42

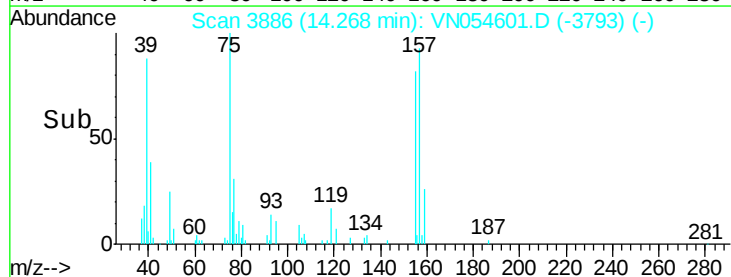
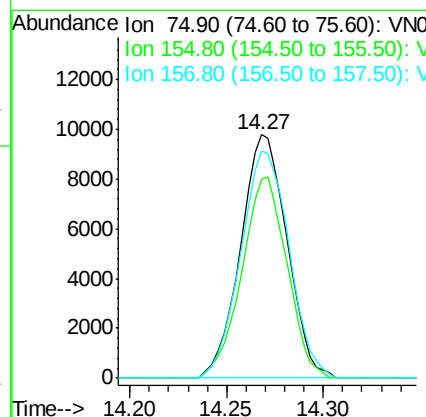
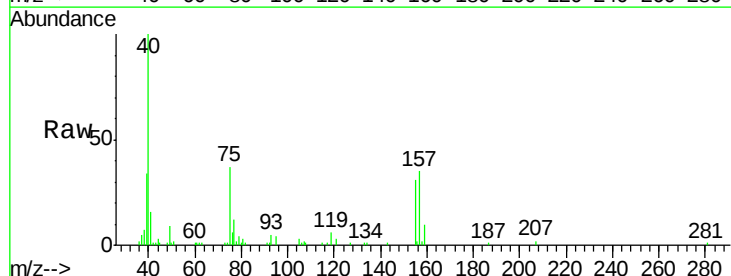
Instrument :
 MSVOA_N
 ClientSampled :
 VN0323WBS01

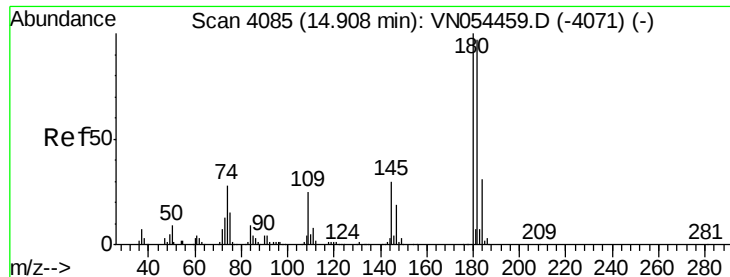
Tot Ion:146 Resp: 179022
 Ion Ratio Lower Upper
 146 100
 111 40.4 19.1 57.3
 148 64.5 32.4 97.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.669 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN054601.D
 Acq: 23 Mar 2019 13:42

Tgt Ion: 75 Resp: 16355
 Ion Ratio Lower Upper
 75 100
 155 80.2 50.1 150.3
 157 97.1 63.1 189.3

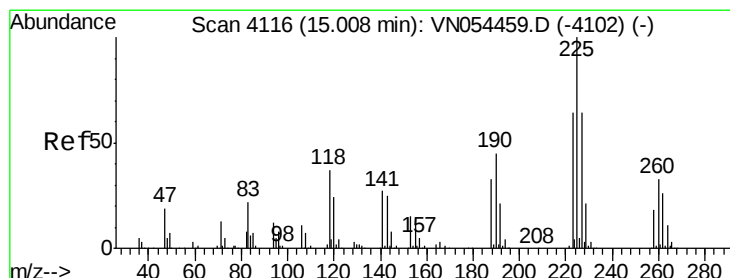
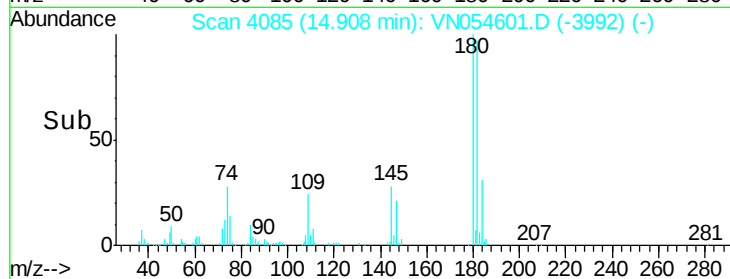
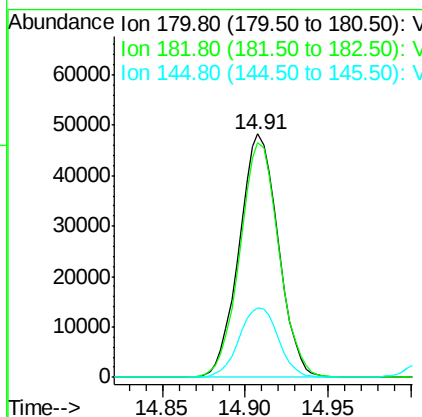
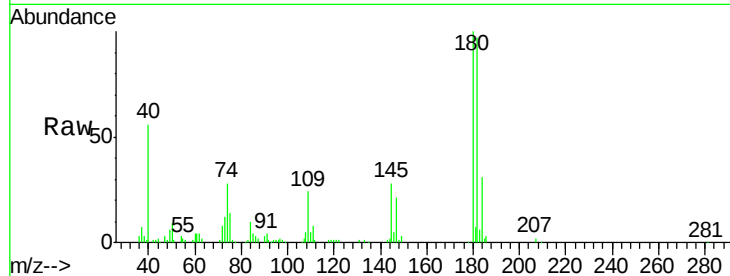




#93
 1,2,4-Trichlorobenzene
 Concen: 18.479 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN054601.D
 Acq: 23 Mar 2019 13:42

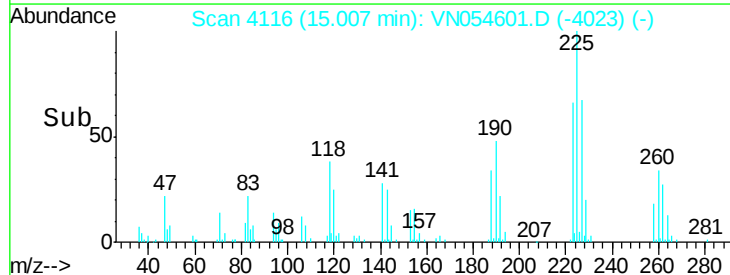
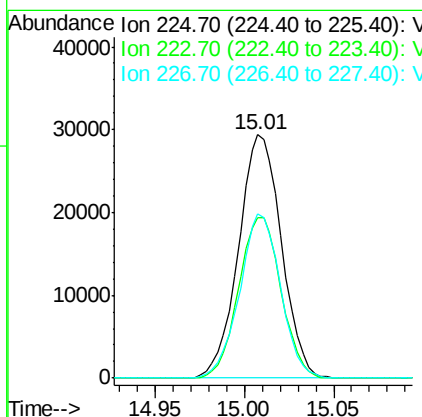
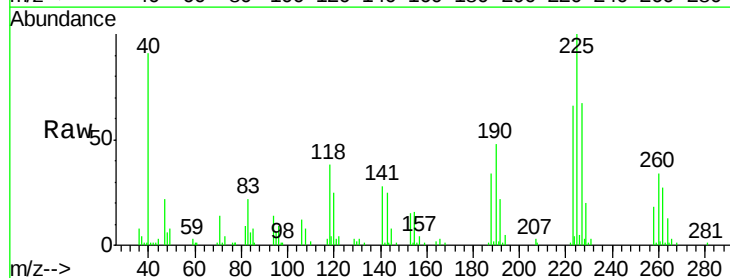
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0323WBS01

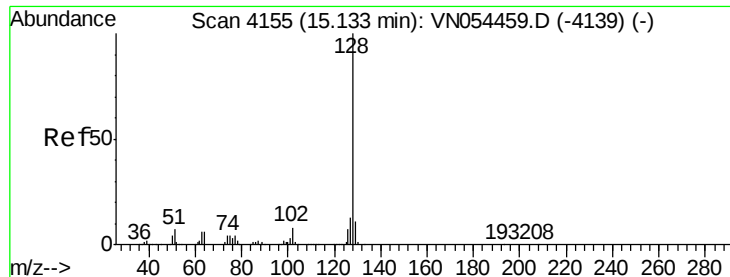
Tot Ion:180 Resp: 79021
 Ion Ratio Lower Upper
 180 100
 182 96.3 48.0 144.2
 145 28.7 14.2 42.8



#94
 Hexachlorobutadiene
 Concen: 18.862 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN054601.D
 Acq: 23 Mar 2019 13:42

Tgt Ion:225 Resp: 49025
 Ion Ratio Lower Upper
 225 100
 223 65.3 31.1 93.5
 227 64.5 31.9 95.9





#95

Naphthalene

Concen: 19.617 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN054601.D

Acq: 23 Mar 2019 13:42

Instrument :

MSVOA_N

ClientSampled :

VN0323WBS01

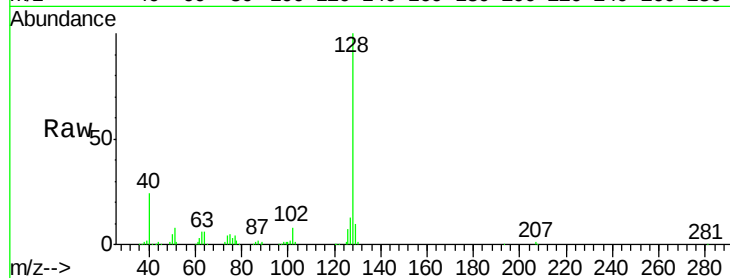
Tot Ion:128 Resp: 187107

Ion Ratio Lower Upper

128 100

127 13.1 10.1 15.1

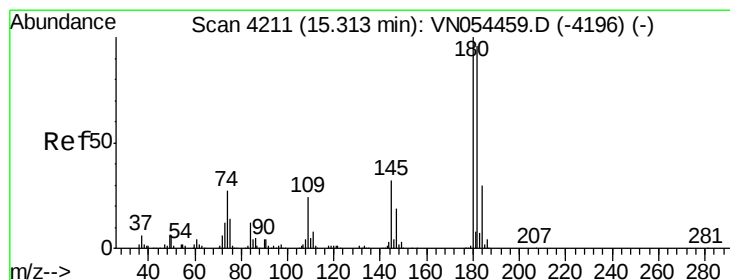
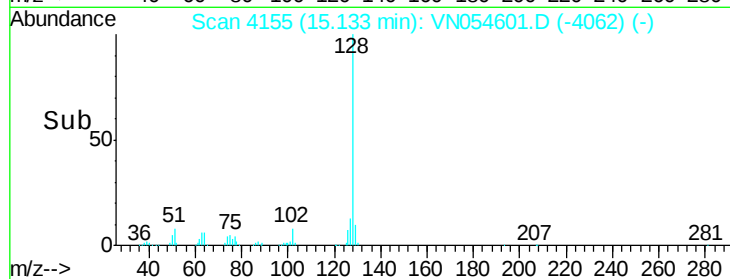
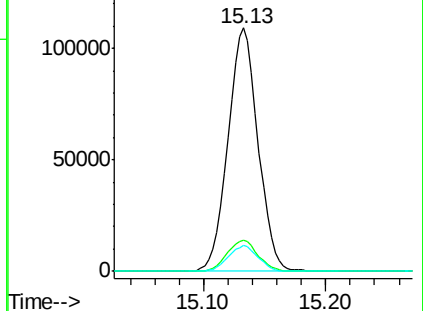
129 10.5 8.7 13.1



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: 19.407 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN054601.D

Acq: 23 Mar 2019 13:42

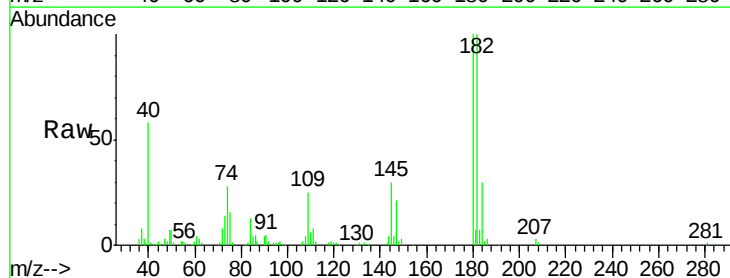
Tgt Ion:180 Resp: 82597

Ion Ratio Lower Upper

180 100

182 97.2 47.5 142.6

145 30.5 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

