

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081518\
 Data File : VN050669.D
 Acq On : 15 Aug 2018 21:50
 Operator : MD\SY
 Sample : VN0815WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0815WBS02

Quant Time: Aug 16 04:23:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N072518W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jul 26 15:21:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	118798	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	628708	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	546562	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	239650	29.68	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.93%
60) 4-Bromofluorobenzene	12.40	95	250079	29.78	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.27%
63) Toluene-d8	10.09	98	798542	30.59	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.97%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.85	85	128048	15.64	ug/l	97
3) Chloromethane	2.06	50	165292	19.58	ug/l	98
4) Vinyl Chloride	2.18	62	171768	19.11	ug/l	97
5) Bromomethane	2.56	94	98721	18.02	ug/l	98
6) Chloroethane	2.70	64	103563	19.49	ug/l	98
7) Trichlorofluoromethane	3.01	101	230887	19.66	ug/l	99
8) Diethyl Ether	3.41	74	77193	19.60	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.76	101	140357	19.65	ug/l	100
10) 1,1-Dichloroethene	3.73	96	125009	19.74	ug/l	98
11) Methyl Iodide	3.95	142	78189	8.39	ug/l	97
12) Methyl Acetate	4.33	43	123291	16.99	ug/l	98
13) Acrolein	3.61	56	6345	14.15	ug/l #	10
14) Acrylonitrile	4.99	53	240582	99.37	ug/l	99
15) Acetone	3.82	58	73102	113.61	ug/l	94
16) Carbon Disulfide	4.05	76	384095	19.82	ug/l	99
17) Allyl chloride	4.33	41	188166	18.81	ug/l	97
18) Methylene Chloride	4.55	84	150271	20.56	ug/l	97
19) trans-1,2-Dichloroethene	5.05	96	138482	20.42	ug/l	95
20) Diisopropyl ether	5.96	45	432894	21.11	ug/l	97
21) 1,1-Dichloroethane	5.85	63	267216	20.72	ug/l	97
22) cis-1,2-Dichloroethene	6.83	96	152316	20.25	ug/l	97
23) tert-Butyl Alcohol	4.80	59	48086	88.89	ug/l #	100
24) Methyl tert-Butyl Ether	5.05	73	342538	19.83	ug/l	98
25) Chloroform	7.37	83	268997	20.60	ug/l	98
26) Cyclohexane	7.65	56	206948	20.19	ug/l #	99
29) 1,1-Dichloropropene	7.80	75	193401	19.82	ug/l	100
30) 2-Butanone	6.84	43	337936	110.37	ug/l	99
31) 2,2-Dichloropropane	6.83	77	162862	15.10	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	226208	19.70	ug/l	99
33) Carbon Tetrachloride	7.78	117	202424	19.77	ug/l	99
34) Benzene	8.05	78	601123	20.29	ug/l	97
35) Methacrylonitrile	7.18	41	66436	19.06	ug/l	96
36) 1,2-Dichloroethane	8.13	62	188703	19.40	ug/l	99
37) Trichloroethene	8.84	130	152865	19.67	ug/l	95
38) Methylcyclohexane	9.08	83	190767	18.55	ug/l	98
39) 1,2-Dichloropropane	9.12	63	159150	20.39	ug/l	99
40) Dibromomethane	9.21	93	95692	19.83	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.41	83	196902	19.35	ug/l	100
42) Vinyl Acetate	5.90	43	1420032	98.56	ug/l	100
43) Ethyl Acetate	6.94	43	125435	19.62	ug/l	94
44) Isopropyl Acetate	8.17	43	222069	18.75	ug/l	97
45) 1,4-Dioxane	9.20	88	28634	367.41	ug/l	94
46) Methyl methacrylate	9.20	41	103705	18.06	ug/l	95
47) n-amyl Acetate	12.07	43	166952	18.12	ug/l	97
48) t-1,3-Dichloropropene	10.38	75	180633	18.62	ug/l	98
49) cis-1,3-Dichloropropene	9.84	75	215414	18.90	ug/l	97
50) 1,1,2-Trichloroethane	10.56	97	135859	19.62	ug/l	98
51) Ethyl methacrylate	10.43	69	159066	18.92	ug/l	96
52) 1,3-Dichloropropane	10.71	76	225490	19.83	ug/l	98
53) Dibromochloromethane	10.90	129	150810	19.19	ug/l	100
54) 1,2-Dibromoethane	11.01	107	128900	19.01	ug/l	100
55) 2-Chloroethyl vinyl ether	9.70	63	389401	102.36	ug/l	99
56) Bromoform	12.13	173	101864	18.36	ug/l	99
58) 4-Methyl-2-Pentanone	9.99	43	781155	122.83	ug/l	99
59) 2-Hexanone	10.75	43	499814	115.20	ug/l	100
61) Tetrachloroethene	10.63	164	144273	19.49	ug/l	99
62) Toluene	10.16	91	634198	20.34	ug/l	99
64) Chlorobenzene	11.44	112	379780	20.08	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	148872	20.18	ug/l	100
66) Ethyl Benzene	11.51	91	617309	19.37	ug/l	100
67) m/p-Xylenes	11.62	106	492666	40.17	ug/l	100
68) o-Xylene	11.95	106	230728	19.77	ug/l	99
69) Styrene	11.97	104	380741	20.35	ug/l	99
70) Isopropylbenzene	12.25	105	615851	19.82	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.51	83	172135	20.17	ug/l	99
72) 1,2,3-Trichloropropane	12.56	75	193383	26.54	ug/l	54
73) Bromobenzene	12.53	156	162303	19.61	ug/l	99
74) n-propylbenzene	12.59	91	690628	19.08	ug/l	100
75) 2-Chlorotoluene	12.68	91	434445	19.98	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	508413	19.92	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	35646	14.96	ug/l	91
78) 4-Chlorotoluene	12.77	91	424063	19.69	ug/l	99
79) tert-butylbenzene	12.99	119	431190	19.76	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	514819	19.91	ug/l	100
81) sec-Butylbenzene	13.17	105	568424	19.17	ug/l	99
82) p-Isopropyltoluene	13.29	119	482897	19.09	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	276440	19.18	ug/l	100
84) 1,4-Dichlorobenzene	13.36	146	258786	19.00	ug/l	99
85) n-Butylbenzene	13.62	91	356209	17.35	ug/l	99
86) Hexachloroethane	13.88	117	91943	18.19	ug/l	99
87) 1,2-Dichlorobenzene	13.65	146	273845	19.44	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	23630	17.78	ug/l	99
89) 1,2,4-Trichlorobenzene	14.91	180	111125	16.51	ug/l	99
90) Hexachlorobutadiene	15.01	225	79531	17.92	ug/l	98
91) Naphthalene	15.14	128	221005	18.12	ug/l	98
92) 1,2,3-Trichlorobenzene	15.32	180	115479	16.87	ug/l	97

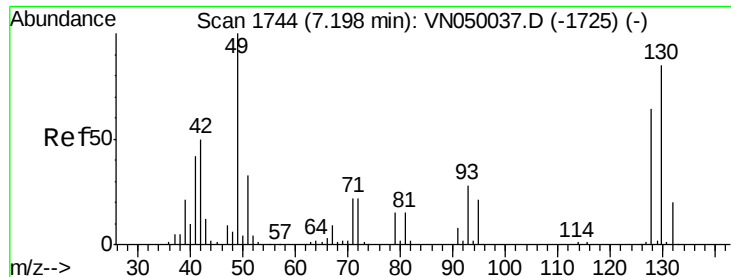
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081518\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.00 ug/l

RT: 7.20 min Scan# 1745

Delta R.T. 0.00 min

Lab File: VN050669.D

Acq: 15 Aug 2018 21:50

Instrument :

MSVOA_N

ClientSampleId :

VN0815WBS02

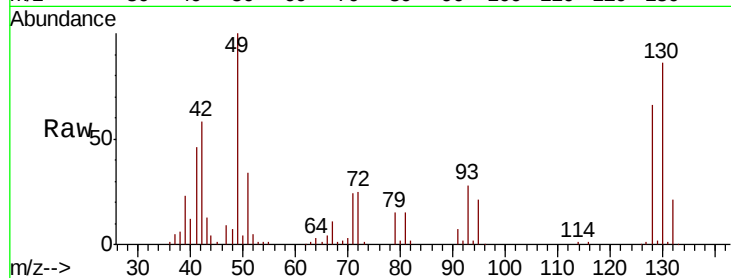
Tot Ion:128 Resp: 118798

Ion Ratio Lower Upper

128 100

49 155.1 0.0 378.3

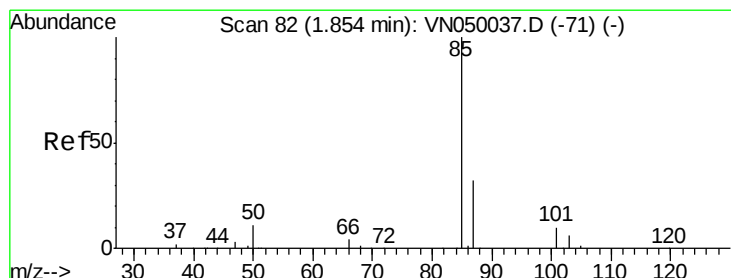
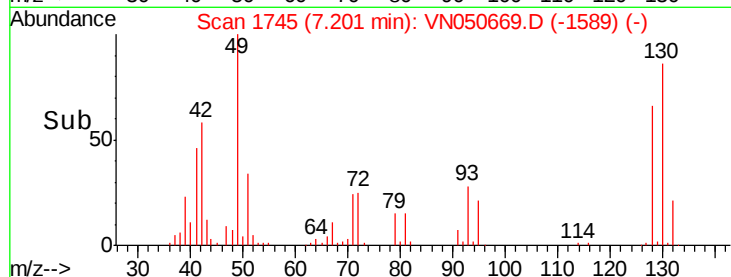
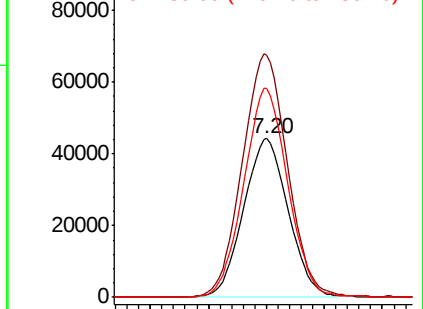
130 129.8 0.0 320.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 15.64 ug/l

RT: 1.85 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN050669.D

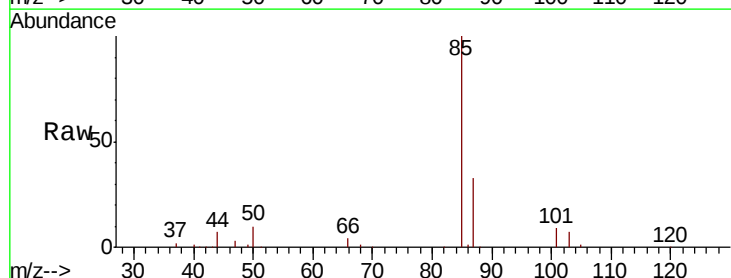
Acq: 15 Aug 2018 21:50

Tgt Ion: 85 Resp: 128048

Ion Ratio Lower Upper

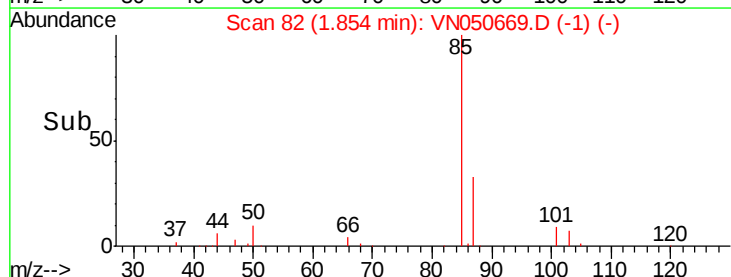
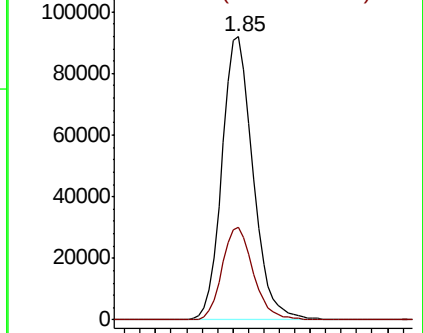
85 100

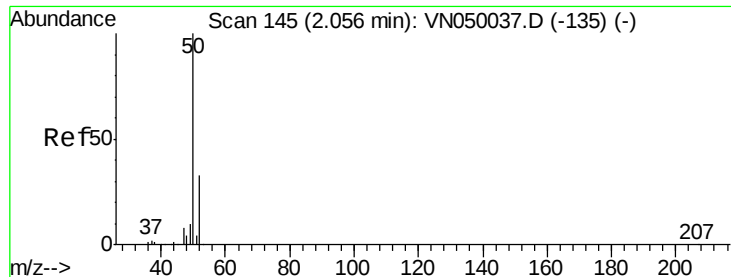
87 32.6 15.4 46.4



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#3

Chloromethane

Concen: 19.58 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN050669.D

Acq: 15 Aug 2018 21:50

Instrument :

MSVOA_N

ClientSampleId :

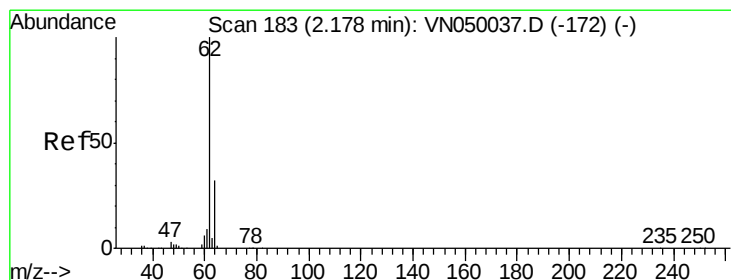
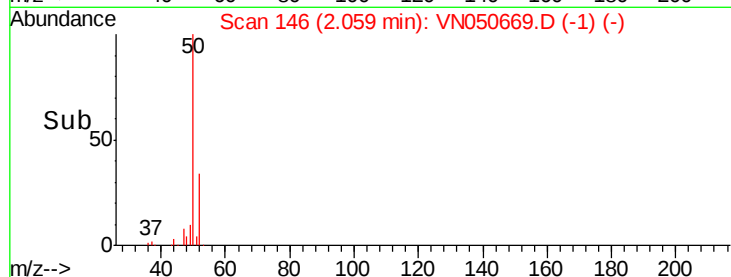
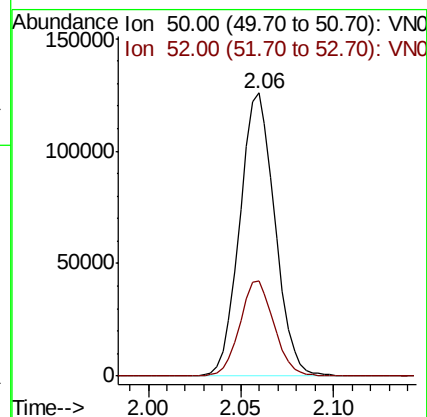
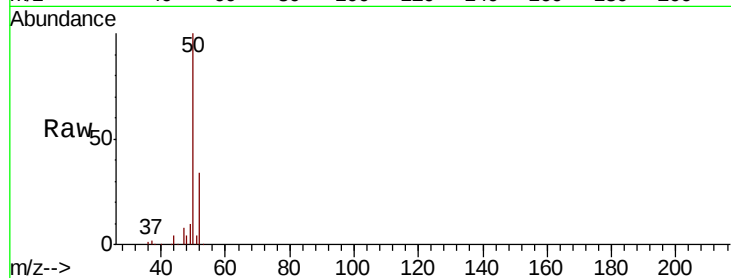
VN0815WBS02

Tot Ion: 50 Resp: 165292

Ion Ratio Lower Upper

50 100

52 33.6 26.1 39.1



#4

Vinyl Chloride

Concen: 19.11 ug/l

RT: 2.18 min Scan# 184

Delta R.T. 0.00 min

Lab File: VN050669.D

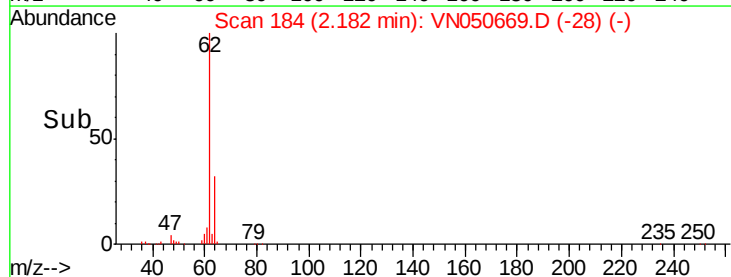
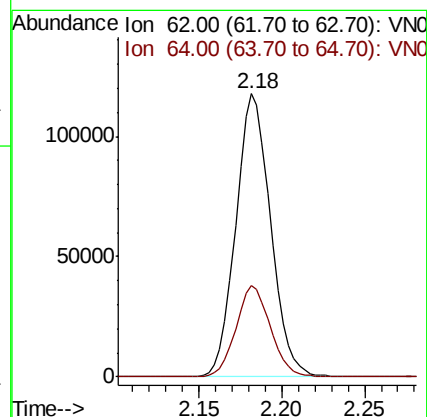
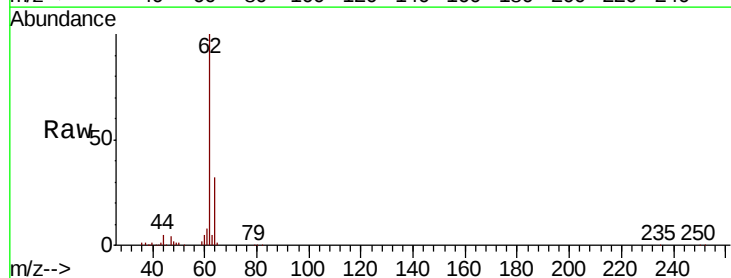
Acq: 15 Aug 2018 21:50

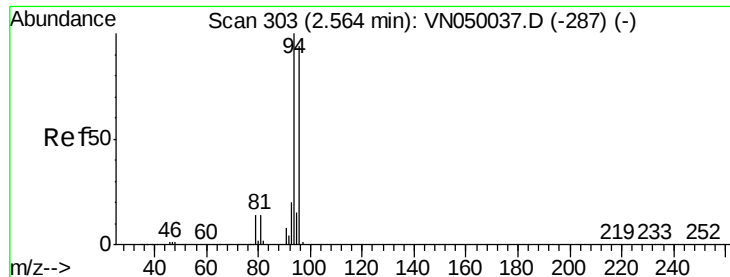
Tgt Ion: 62 Resp: 171768

Ion Ratio Lower Upper

62 100

64 32.1 24.4 36.6





#5

Bromomethane

Concen: 18.02 ug/l

RT: 2.56 min Scan# 303

Delta R.T. -0.00 min

Lab File: VN050669.D

Acq: 15 Aug 2018 21:50

Instrument :

MSVOA_N

ClientSampleId :

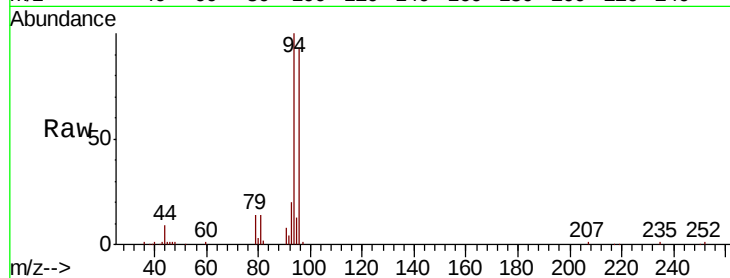
VN0815WBS02

Tot Ion: 94 Resp: 98721

Ion Ratio Lower Upper

94 100

96 92.6 75.9 113.9



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0

60000

50000

40000

30000

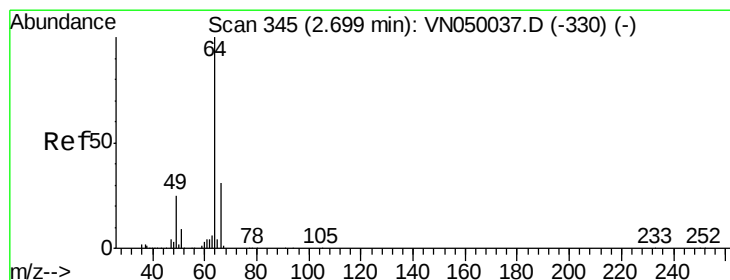
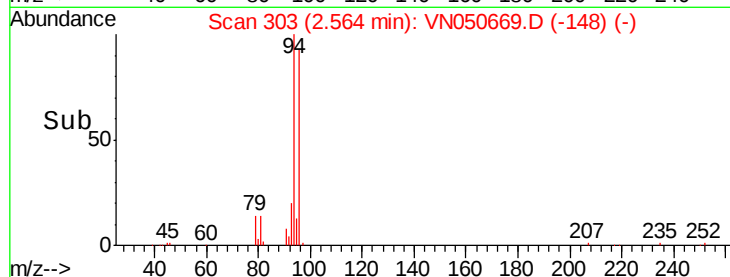
20000

10000

0

2.50 2.55 2.60 2.65

Time-->



#6

Chloroethane

Concen: 19.49 ug/l

RT: 2.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VN050669.D

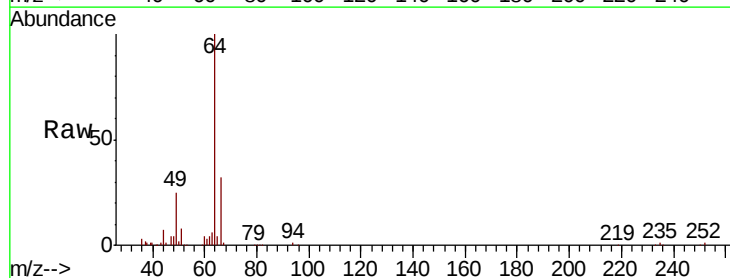
Acq: 15 Aug 2018 21:50

Tgt Ion: 64 Resp: 103563

Ion Ratio Lower Upper

64 100

66 32.5 25.0 37.4



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0

60000

50000

40000

30000

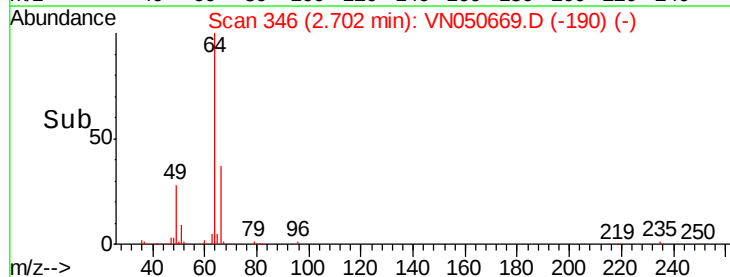
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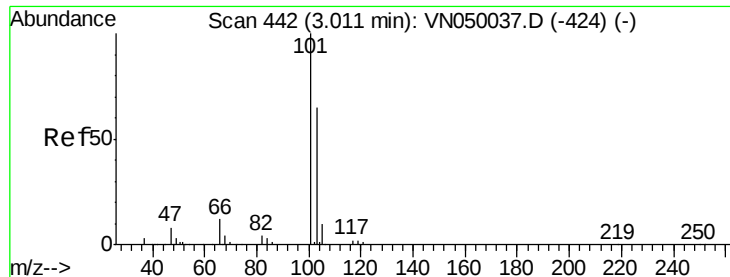
10000

0

2.60 2.65 2.70 2.75 2.80

Time-->



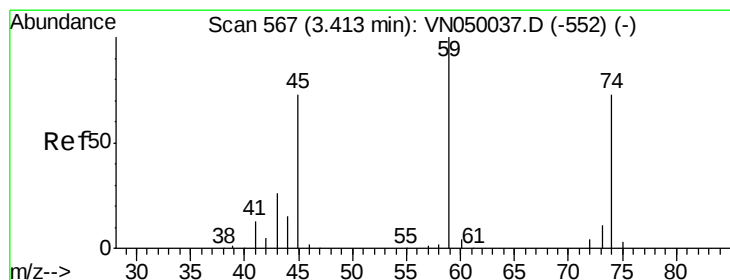
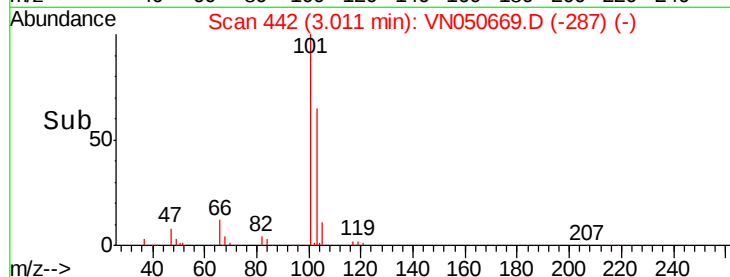
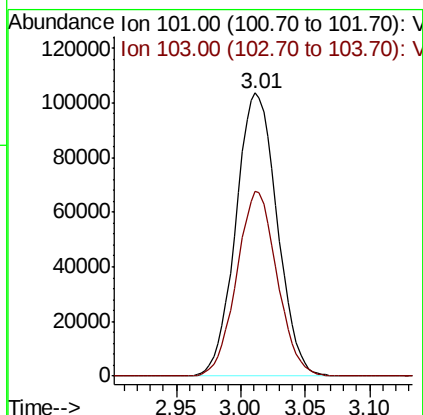
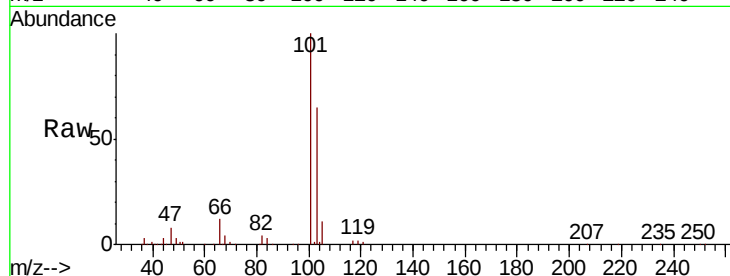


#7

Trichlorofluoromethane
 Concen: 19.66 ug/l
 RT: 3.01 min Scan# 442
 Delta R.T. -0.00 min
 Lab File: VN050669.D
 Acq: 15 Aug 2018 21:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0815WBS02

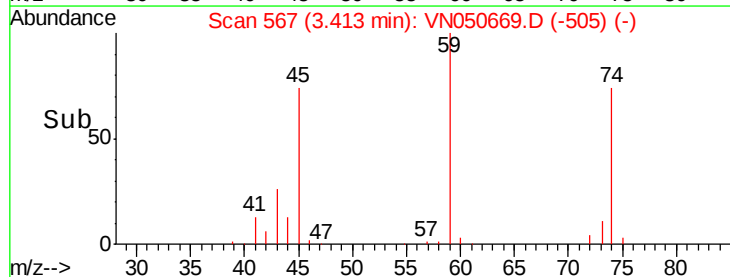
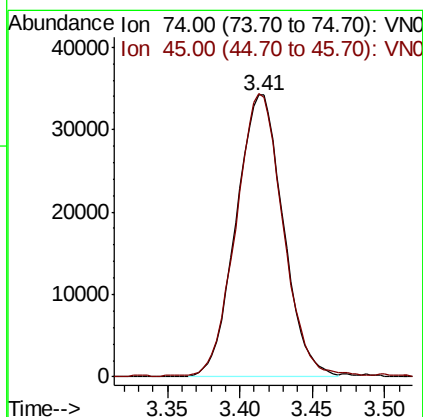
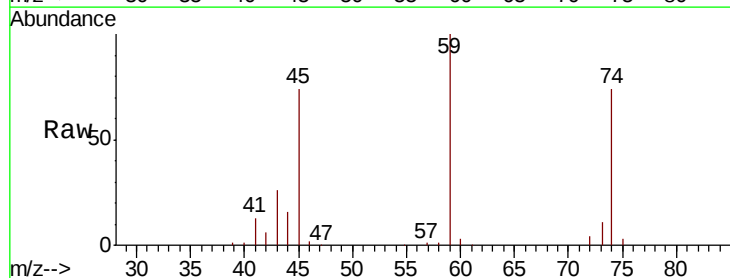
Tot Ion:101 Resp: 230887
 Ion Ratio Lower Upper
 101 100
 103 65.2 51.5 77.3

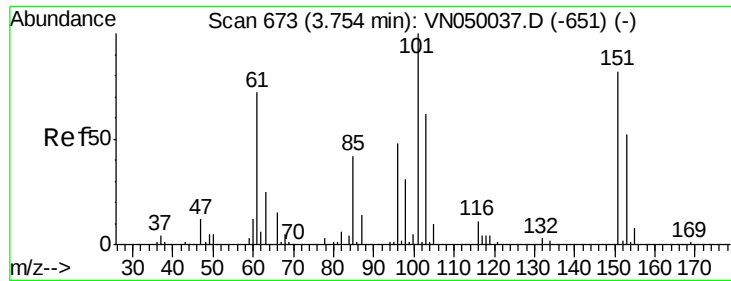


#8

Diethyl Ether
 Concen: 19.60 ug/l
 RT: 3.41 min Scan# 567
 Delta R.T. -0.00 min
 Lab File: VN050669.D
 Acq: 15 Aug 2018 21:50

Tgt Ion: 74 Resp: 77193
 Ion Ratio Lower Upper
 74 100
 45 99.3 18.7 167.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.65 ug/l

RT: 3.76 min Scan# 674

Delta R.T. 0.00 min

Lab File: VN050669.D

Acq: 15 Aug 2018 21:50

Instrument :

MSVOA_N

ClientSampleId :

VN0815WBS02

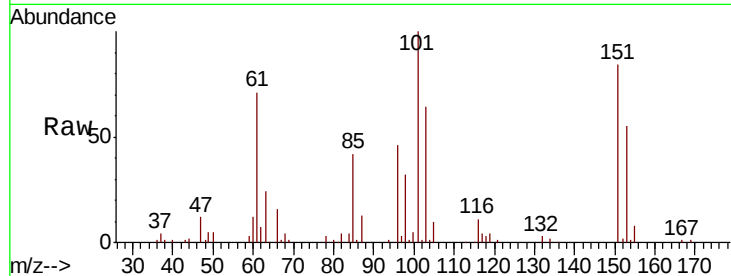
Tot Ion:101 Resp: 140357

Ion Ratio Lower Upper

101 100

85 42.2 0.0 83.0

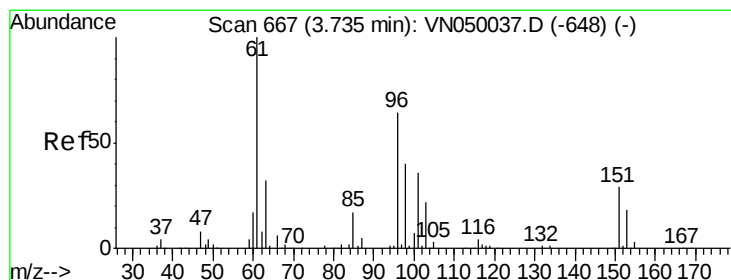
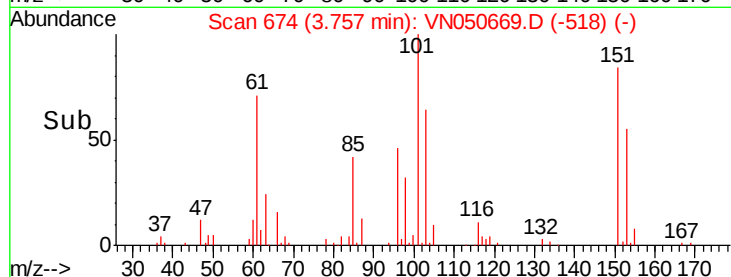
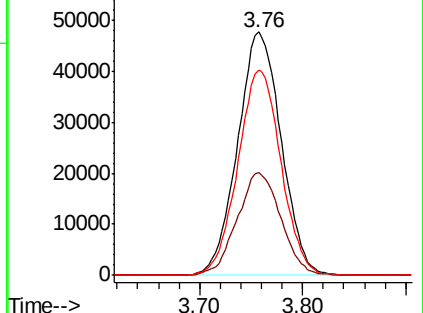
151 83.3 0.0 166.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN0

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 19.74 ug/l

RT: 3.73 min Scan# 667

Delta R.T. -0.00 min

Lab File: VN050669.D

Acq: 15 Aug 2018 21:50

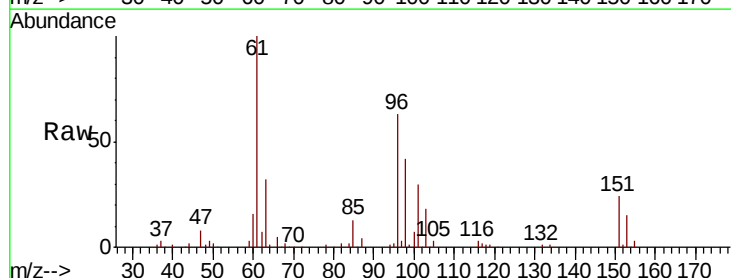
Tgt Ion: 96 Resp: 125009

Ion Ratio Lower Upper

96 100

61 159.4 130.6 195.8

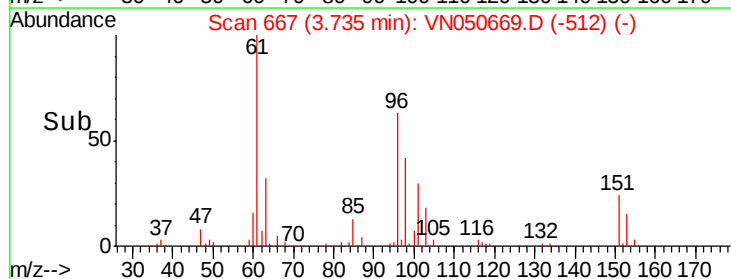
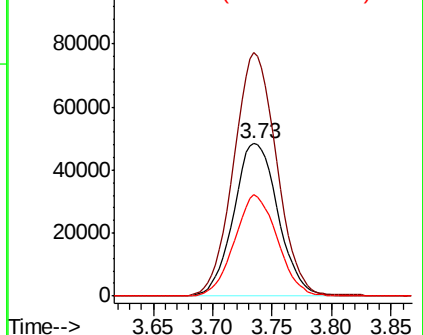
98 66.8 53.5 80.3

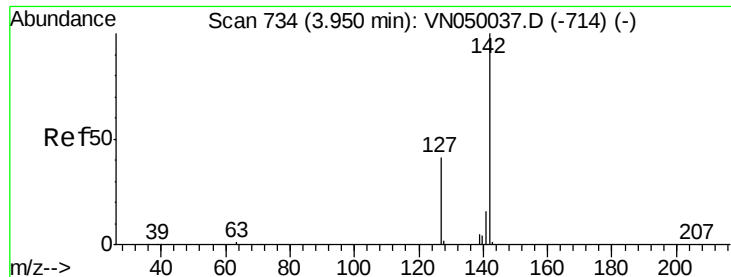


Abundance Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0

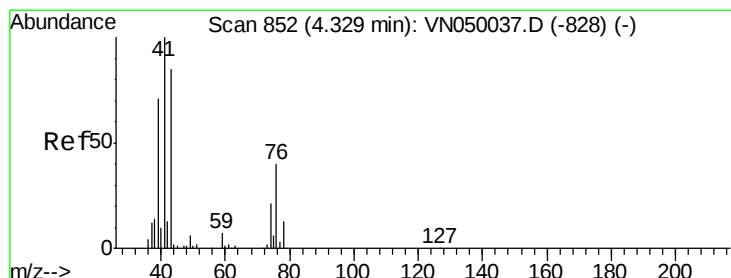
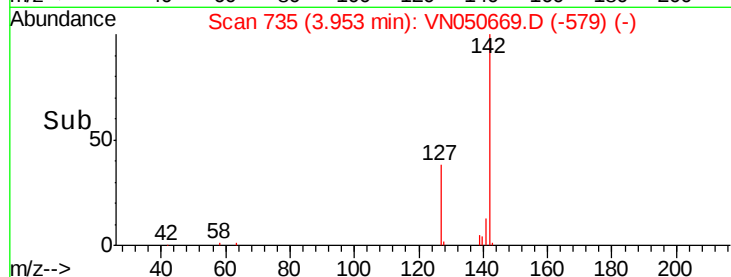
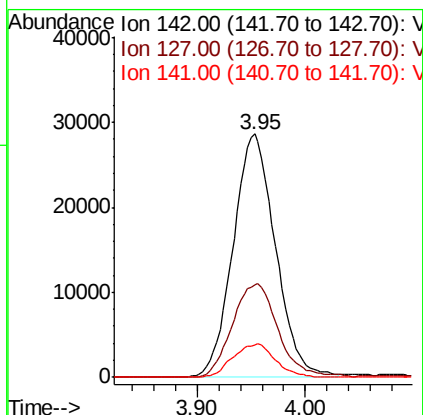
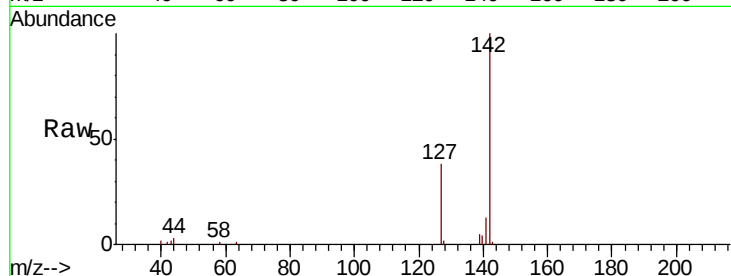




#11
Methyl Iodide
Concen: 8.39 ug/l
RT: 3.95 min Scan# 735
Delta R.T. 0.00 min
Lab File: VN050669.D
Acq: 15 Aug 2018 21:50

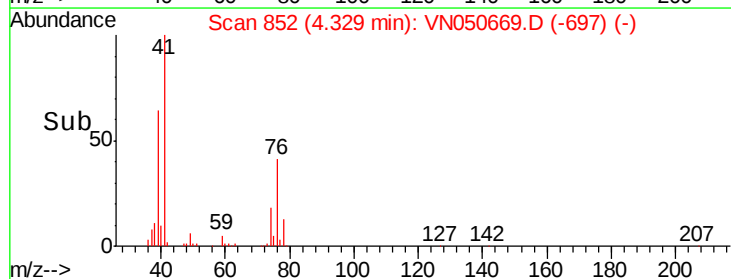
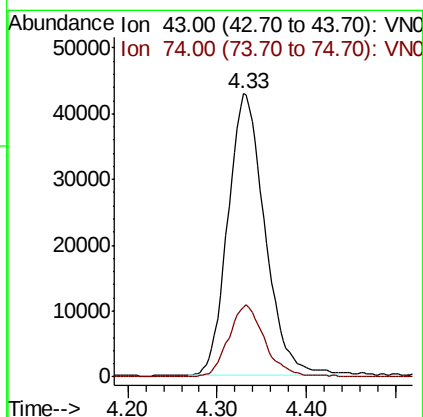
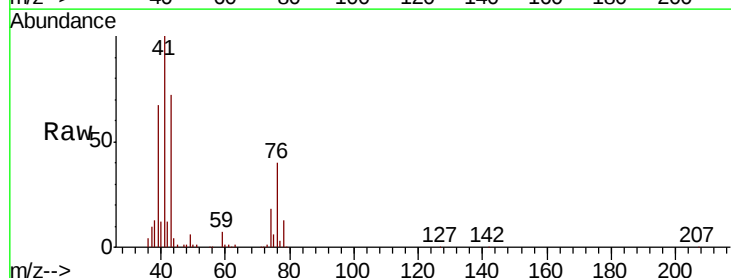
Instrument :
MSVOA_N
ClientSampleId :
VN0815WBS02

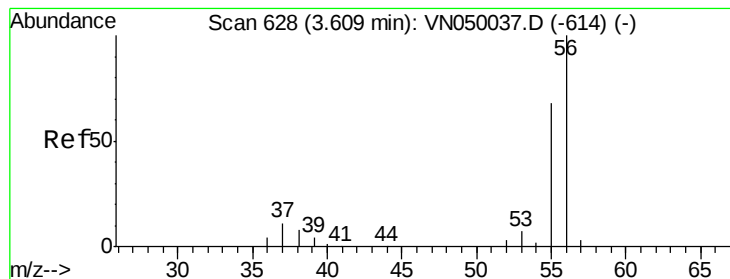
Tot Ion:142 Resp: 78189
Ion Ratio Lower Upper
142 100
127 37.7 20.2 60.5
141 13.3 6.9 20.6



#12
Methyl Acetate
Concen: 16.99 ug/l
RT: 4.33 min Scan# 852
Delta R.T. -0.00 min
Lab File: VN050669.D
Acq: 15 Aug 2018 21:50

Tgt Ion: 43 Resp: 123291
Ion Ratio Lower Upper
43 100
74 24.9 19.3 28.9





#13

Acrolein

Concen: 14.15 ug/l

RT: 3.61 min Scan# 628

Delta R.T. -0.00 min

Lab File: VN050669.D

Acq: 15 Aug 2018 21:50

Instrument :

MSVOA_N

ClientSampleId :

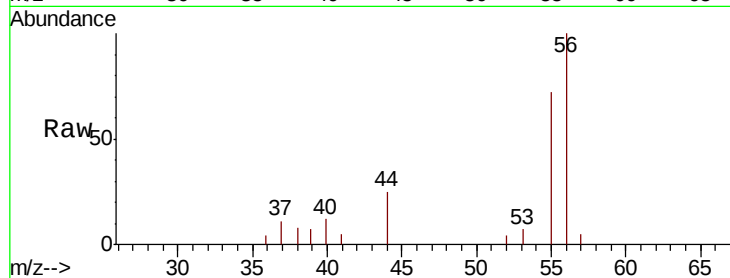
VN0815WBS02

Tot Ion: 56 Resp: 6345

Ion Ratio Lower Upper

56 100

55 149.2 58.6 88.0#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.61

4000

3000

2000

1000

0

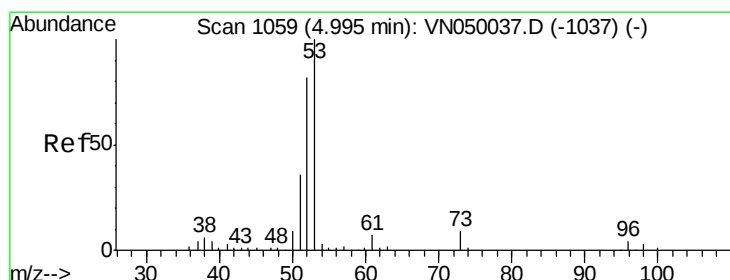
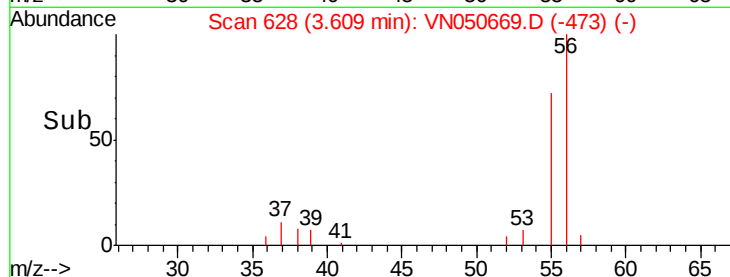
3.56

3.58

3.60

3.62

Time-->



#14

Acrylonitrile

Concen: 99.37 ug/l

RT: 4.99 min Scan# 1059

Delta R.T. -0.00 min

Lab File: VN050669.D

Acq: 15 Aug 2018 21:50

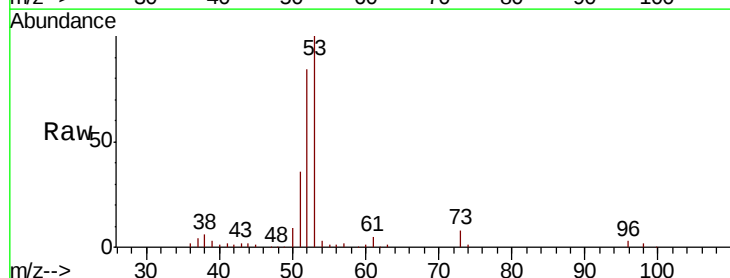
Tgt Ion: 53 Resp: 240582

Ion Ratio Lower Upper

53 100

52 83.2 41.5 124.5

51 36.0 18.7 56.1



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0

4.99

80000

60000

40000

20000

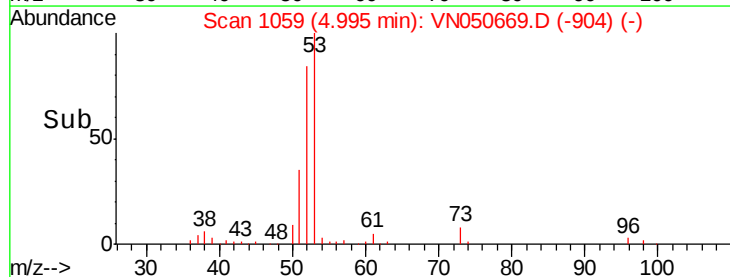
0

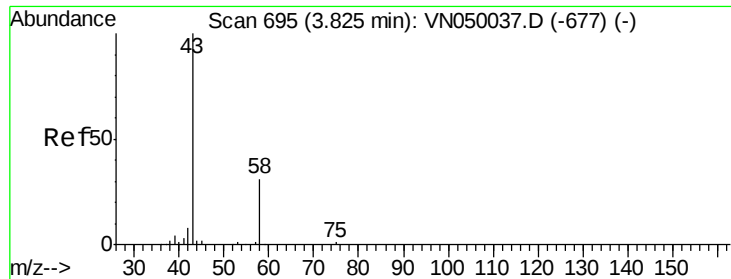
4.90

5.00

5.10

Time-->





#15

Acetone

Concen: 113.61 ug/l

RT: 3.82 min Scan# 695

Delta R.T. -0.00 min

Lab File: VN050669.D

Acq: 15 Aug 2018 21:50

Instrument :

MSVOA_N

ClientSampleId :

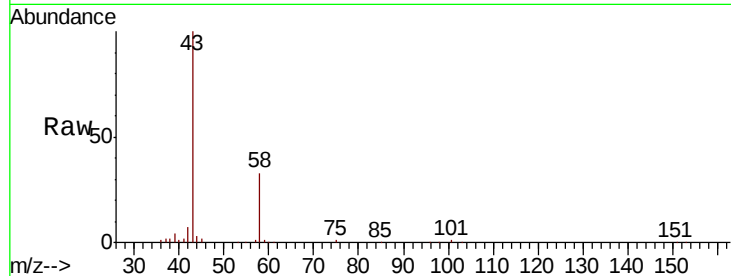
VN0815WBS02

Tot Ion: 58 Resp: 73102

Ion Ratio Lower Upper

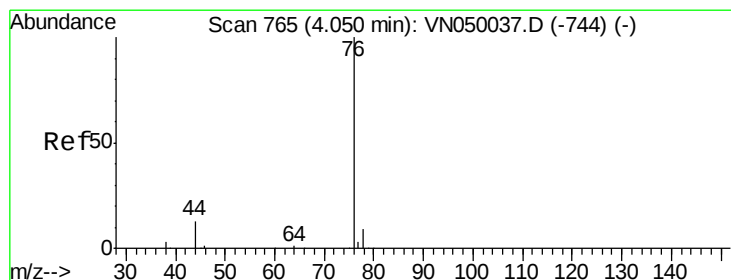
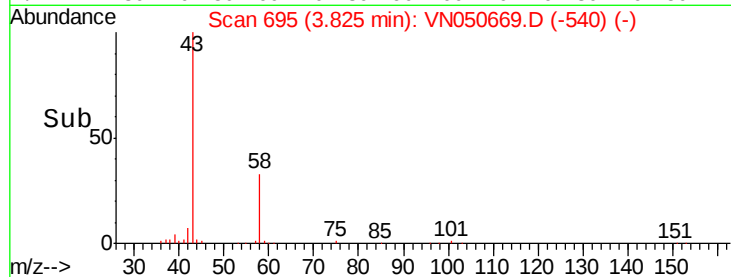
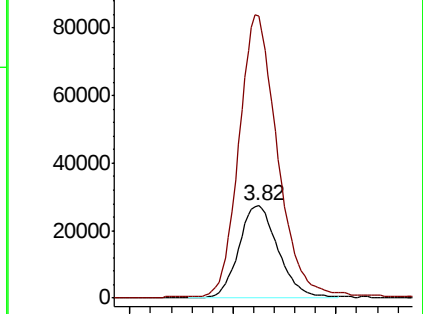
58 100

43 303.0 252.0 378.0



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 19.82 ug/l

RT: 4.05 min Scan# 766

Delta R.T. 0.00 min

Lab File: VN050669.D

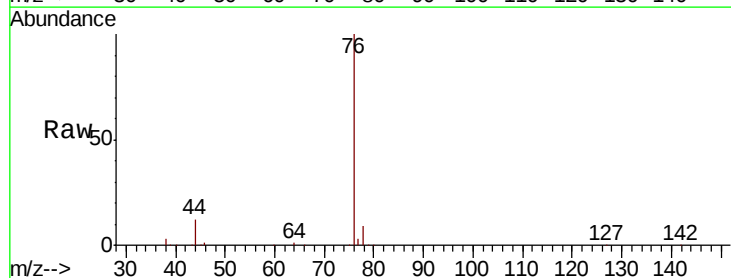
Acq: 15 Aug 2018 21:50

Tgt Ion: 76 Resp: 384095

Ion Ratio Lower Upper

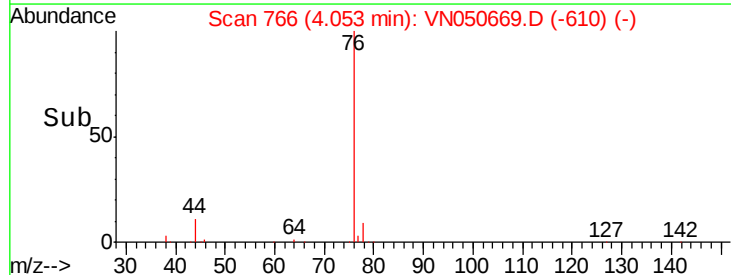
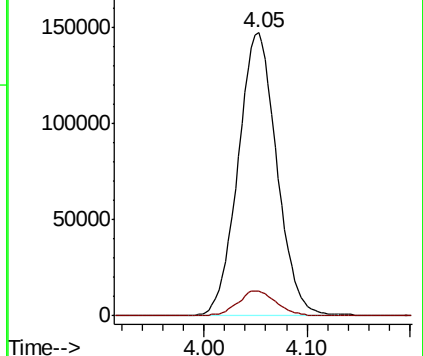
76 100

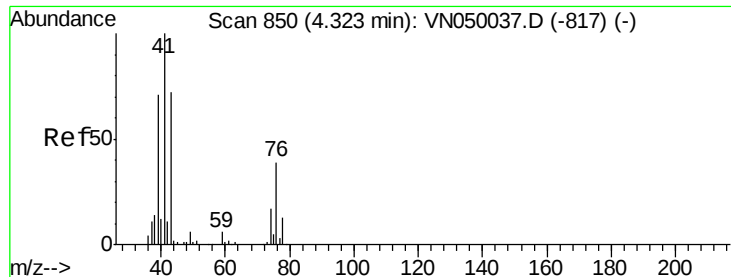
78 8.6 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0

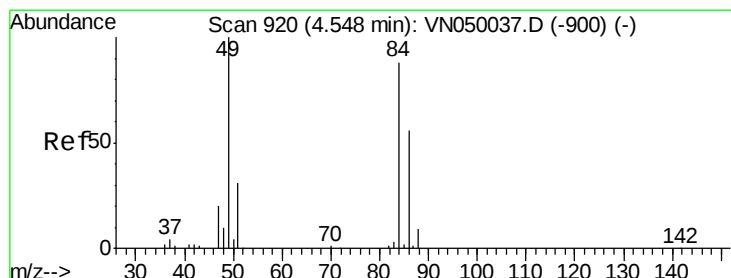
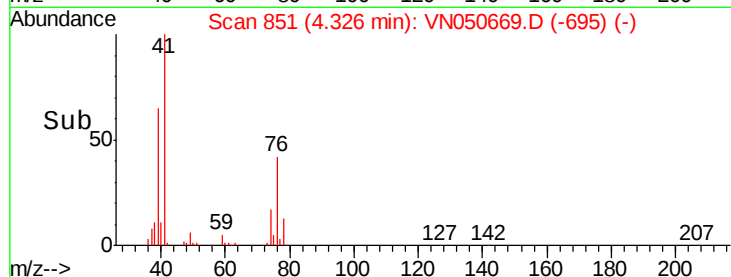
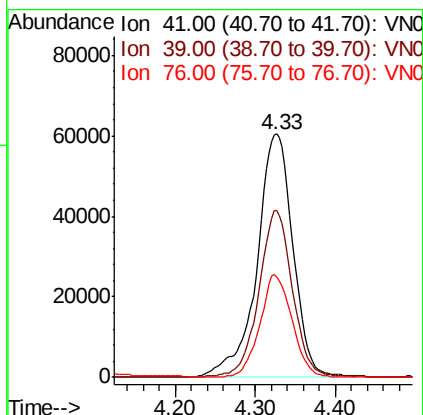
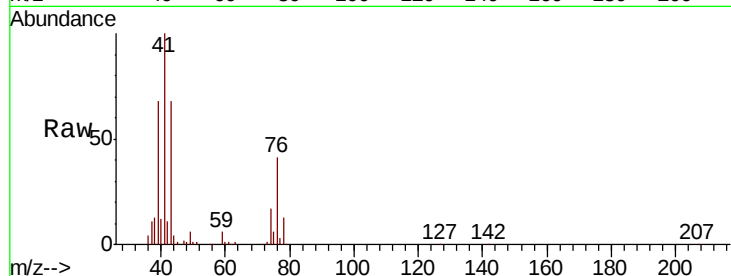




#17
Allvl chloride
Concen: 18.81 ug/l
RT: 4.33 min Scan# 851
Delta R.T. 0.00 min
Lab File: VN050669.D
Acq: 15 Aug 2018 21:50

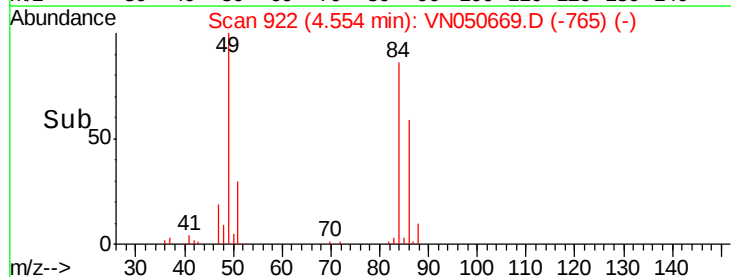
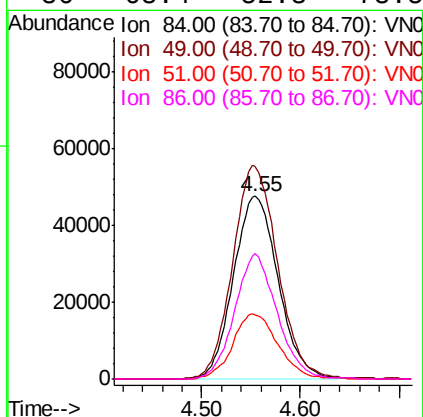
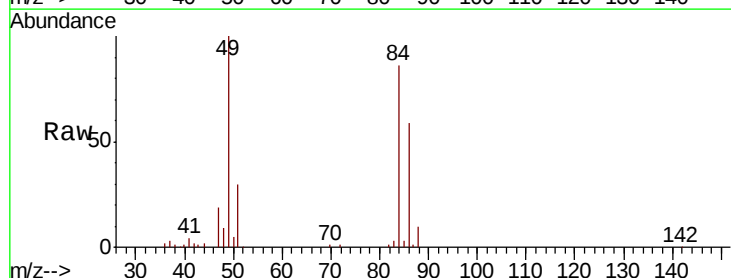
Instrument :
MSVOA_N
ClientSampleId :
VN0815WBS02

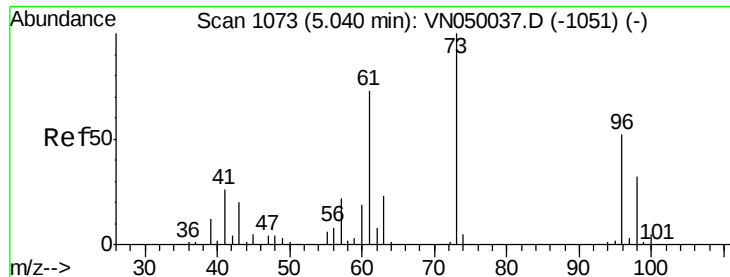
Tot Ion: 41 Resp: 188166
Ion Ratio Lower Upper
41 100
39 68.4 35.4 106.3
76 40.8 19.7 59.1



#18
Methylene Chloride
Concen: 20.56 ug/l
RT: 4.55 min Scan# 922
Delta R.T. 0.01 min
Lab File: VN050669.D
Acq: 15 Aug 2018 21:50

Tgt Ion: 84 Resp: 150271
Ion Ratio Lower Upper
84 100
49 115.5 95.1 142.7
51 35.4 28.8 43.2
86 68.4 52.3 78.5

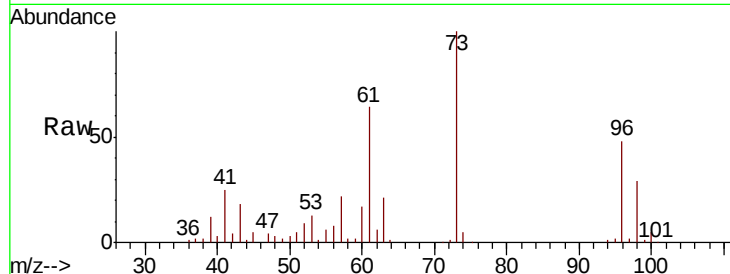




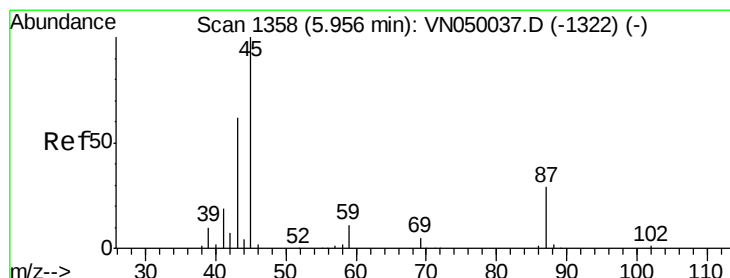
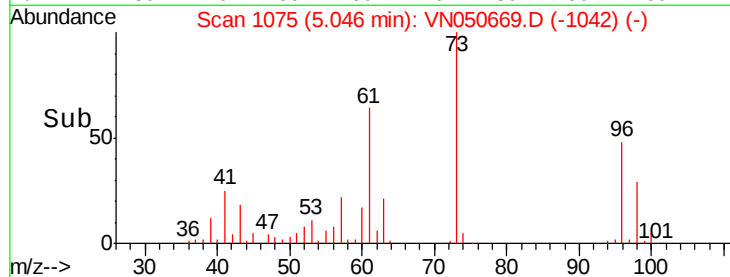
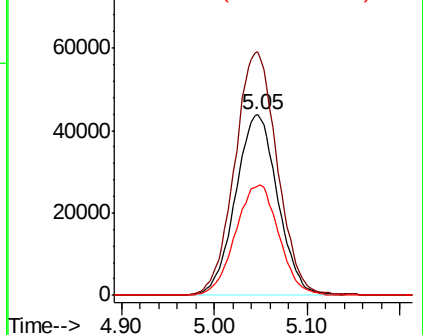
#19
trans-1,2-Dichloroethene
Concen: 20.42 ug/l
RT: 5.05 min Scan# 1075
Delta R.T. 0.01 min
Lab File: VN050669.D
Acq: 15 Aug 2018 21:50

Instrument :
MSVOA_N
ClientSampleId :
VN0815WBS02

Tot Ion: 96 Resp: 138482
Ion Ratio Lower Upper
96 100
61 134.2 112.1 168.1
98 60.6 51.3 76.9

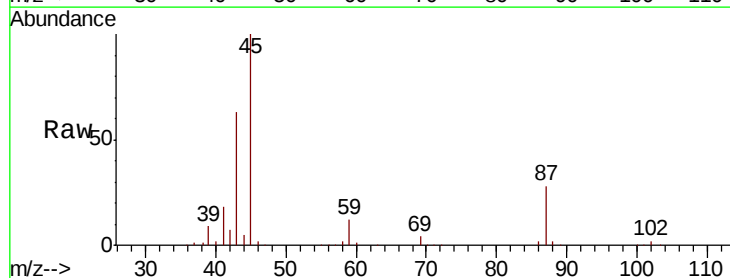


Abundance Ion 96.00 (95.70 to 96.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

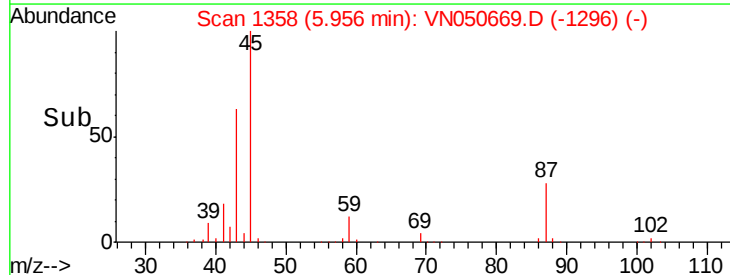
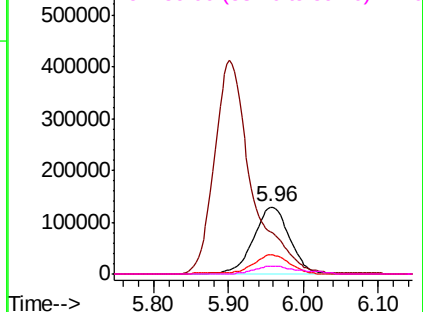


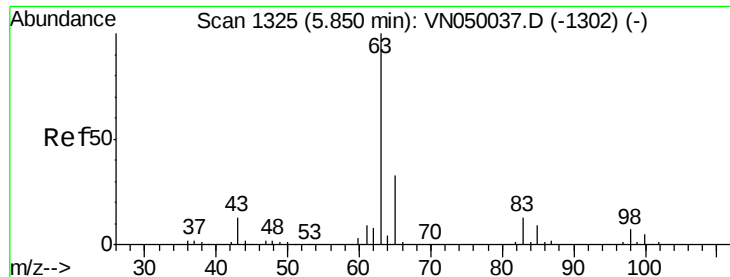
#20
Diisopropyl ether
Concen: 21.11 ug/l
RT: 5.96 min Scan# 1358
Delta R.T. -0.00 min
Lab File: VN050669.D
Acq: 15 Aug 2018 21:50

Tgt Ion: 45 Resp: 432894
Ion Ratio Lower Upper
45 100
43 61.3 46.6 70.0
87 28.3 22.3 33.5
59 11.8 9.5 14.3



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

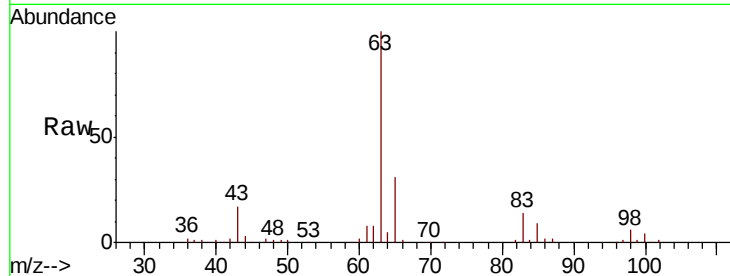




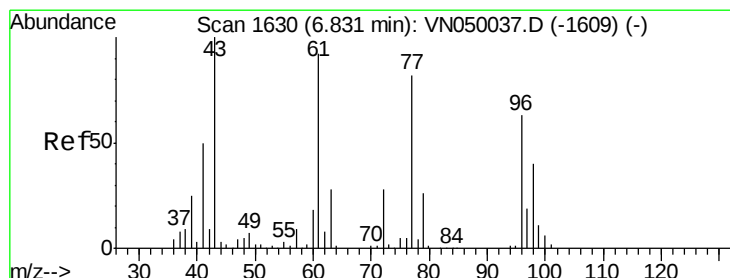
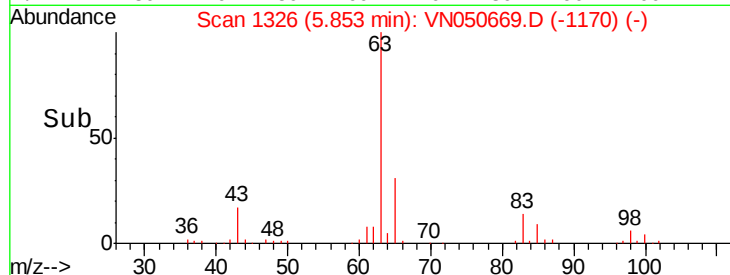
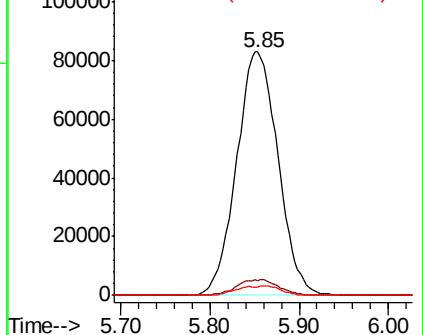
#21
 1,1-Dichloroethane
 Concen: 20.72 ug/l
 RT: 5.85 min Scan# 1326
 Delta R.T. 0.00 min
 Lab File: VN050669.D
 Acq: 15 Aug 2018 21:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0815WBS02

Tot Ion: 63 Resp: 267216
 Ion Ratio Lower Upper
 63 100
 98 6.2 3.5 10.6
 100 3.5 2.3 6.8

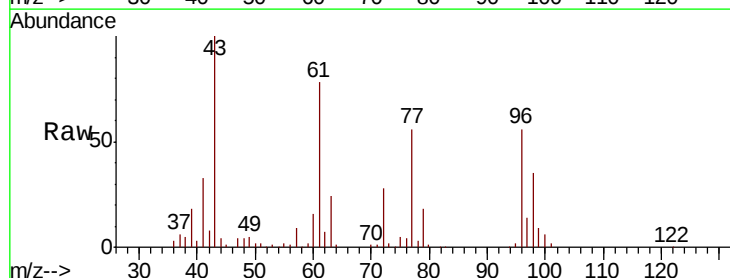


Abundance Ion 63.00 (62.70 to 63.70): VN0
 Ion 98.00 (97.70 to 98.70): VN0
 Ion 100.00 (99.70 to 100.70): VN0

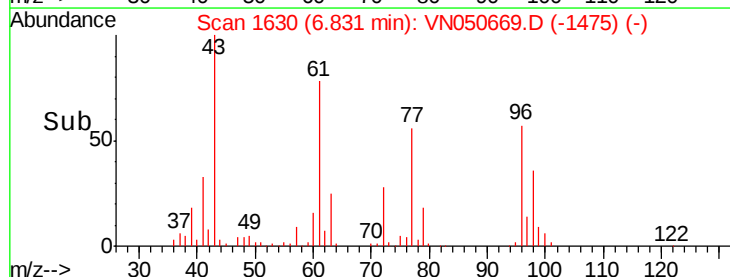
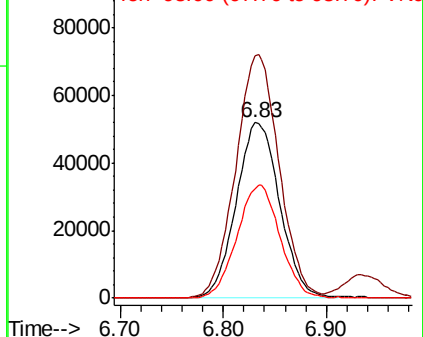


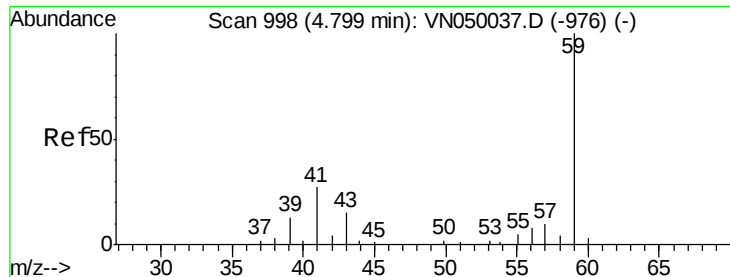
#22
 cis-1,2-Dichloroethene
 Concen: 20.25 ug/l
 RT: 6.83 min Scan# 1630
 Delta R.T. -0.00 min
 Lab File: VN050669.D
 Acq: 15 Aug 2018 21:50

Tgt Ion: 96 Resp: 152316
 Ion Ratio Lower Upper
 96 100
 61 138.5 114.2 171.2
 98 63.6 51.7 77.5



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

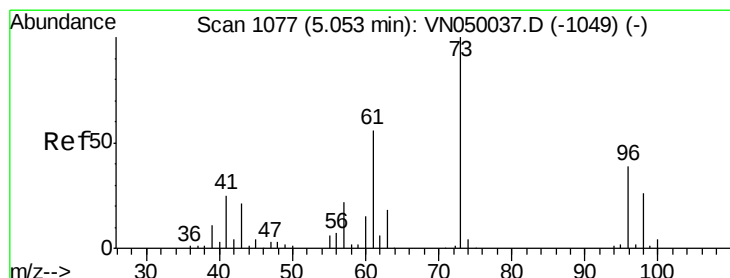
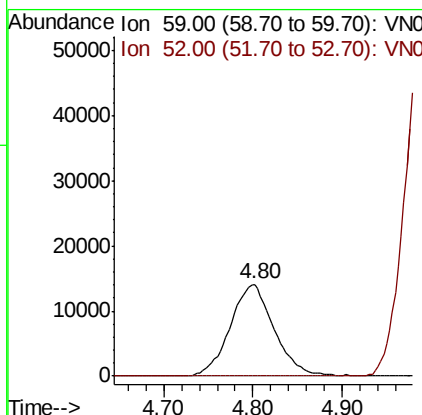
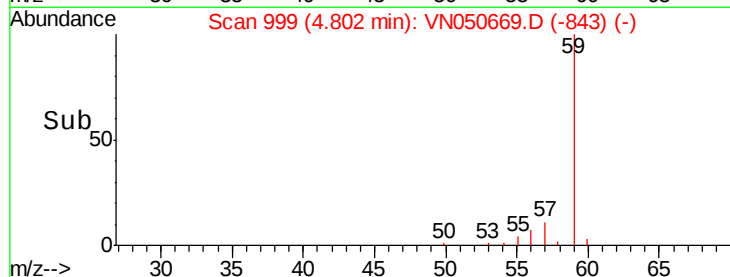
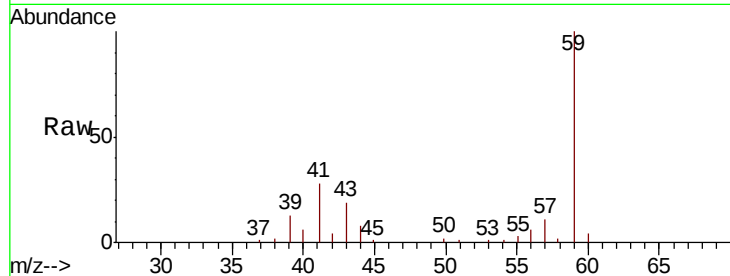




#23
 tert-Butyl Alcohol
 Concen: 88.89 ug/l
 RT: 4.80 min Scan# 999
 Delta R.T. 0.00 min
 Lab File: VN050669.D
 Acq: 15 Aug 2018 21:50

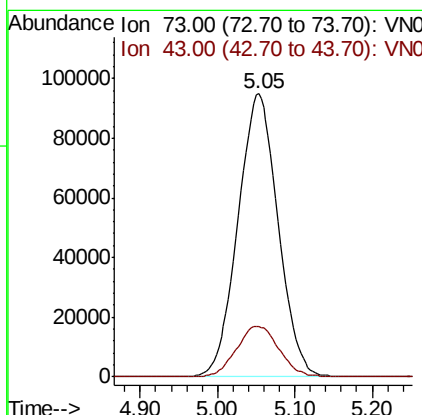
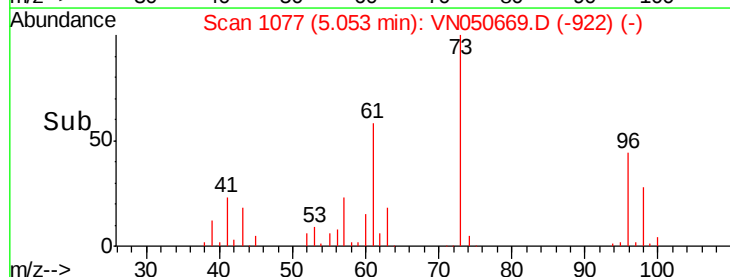
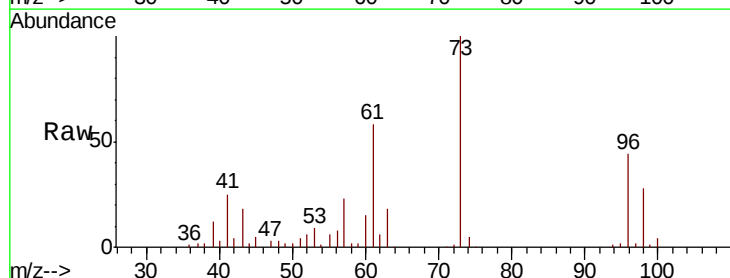
Instrument :
 MSVOA_N
 ClientSampleID :
 VN0815WBS02

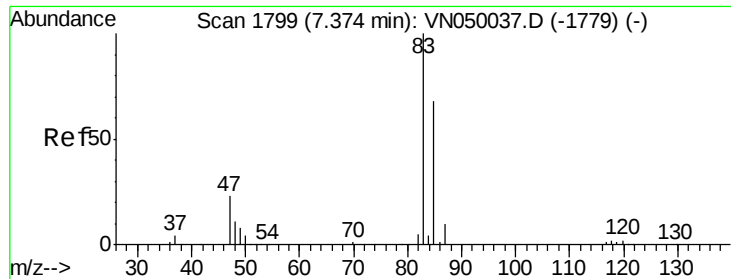
Tot Ion: 59 Resp: 48086
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.1 0.1#



#24
 Methyl tert-Butyl Ether
 Concen: 19.83 ug/l
 RT: 5.05 min Scan# 1077
 Delta R.T. -0.00 min
 Lab File: VN050669.D
 Acq: 15 Aug 2018 21:50

Tgt Ion: 73 Resp: 342538
 Ion Ratio Lower Upper
 73 100
 43 18.5 15.5 23.3

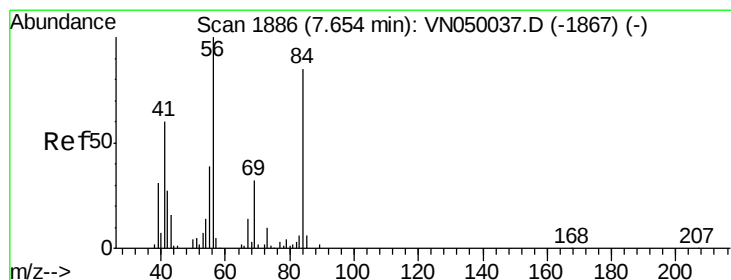
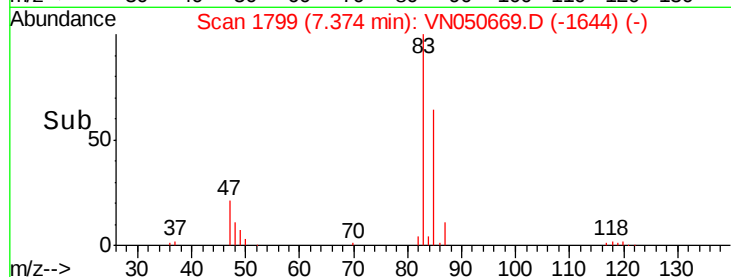
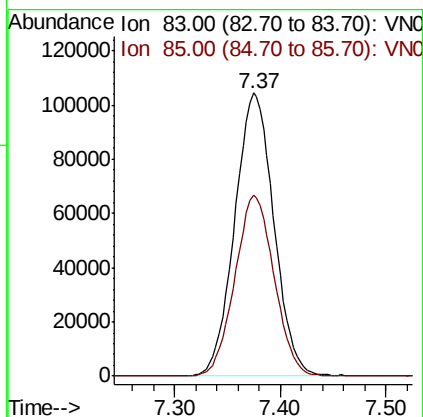
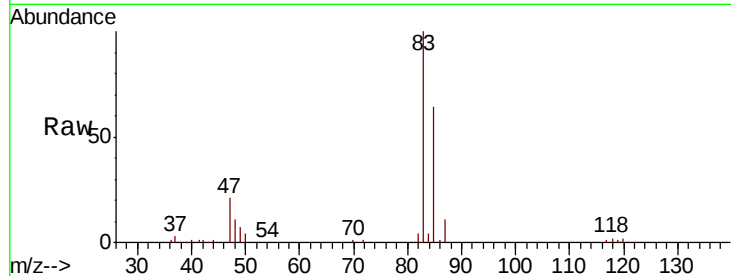




#25
Chloroform
Concen: 20.60 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. -0.00 min
Lab File: VN050669.D
Acq: 15 Aug 2018 21:50

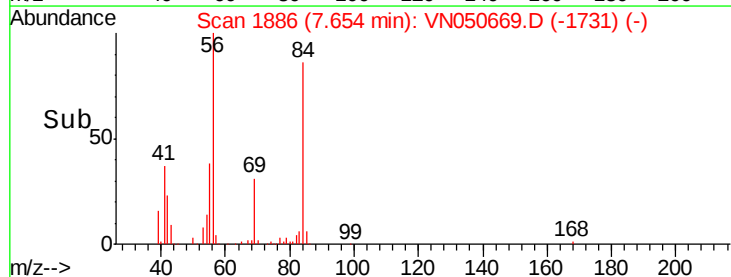
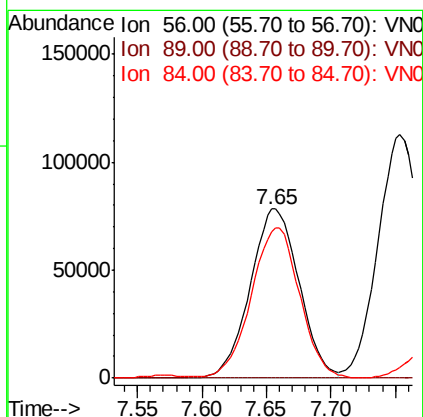
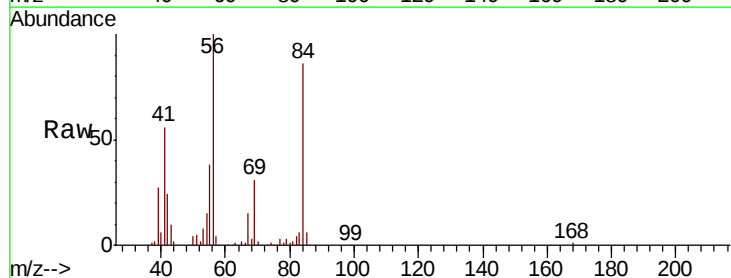
Instrument :
MSVOA_N
ClientSampleId :
VN0815WBS02

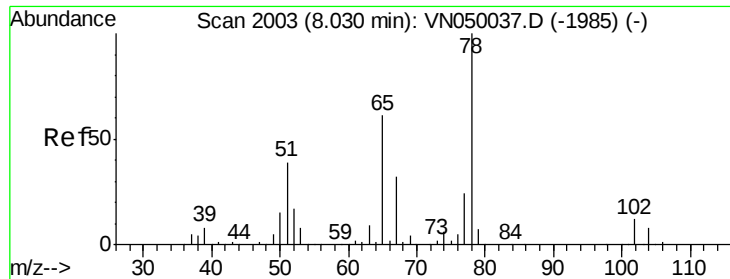
Tot Ion: 83 Resp: 268997
Ion Ratio Lower Upper
83 100
85 63.8 52.1 78.1



#26
Cyclohexane
Concen: 20.19 ug/l
RT: 7.65 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VN050669.D
Acq: 15 Aug 2018 21:50

Tgt Ion: 56 Resp: 206948
Ion Ratio Lower Upper
56 100
89 0.0 3.0 4.4#
84 88.2 69.8 104.8





#27

1,2-Dichloroethane-d4

Concen: 29.68 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. -0.00 min

Lab File: VN050669.D

Acq: 15 Aug 2018 21:50

Instrument :

MSVOA_N

ClientSampleId :

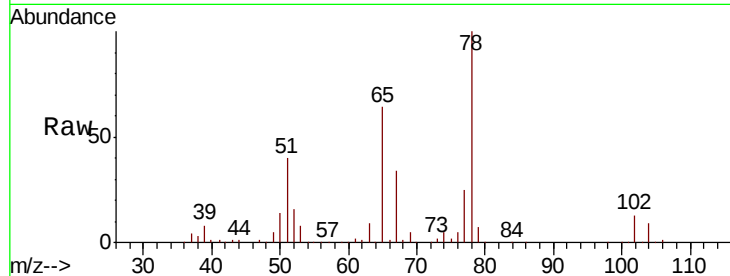
VN0815WBS02

Tot Ion: 65 Resp: 239650

Ion Ratio Lower Upper

65 100

67 54.8 42.7 64.1



Abundance Ion 65.00 (64.70 to 65.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

8.03

100000

80000

60000

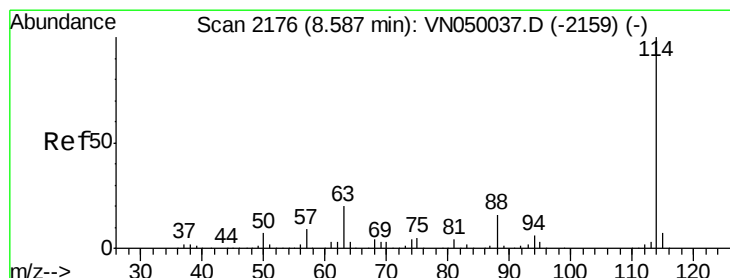
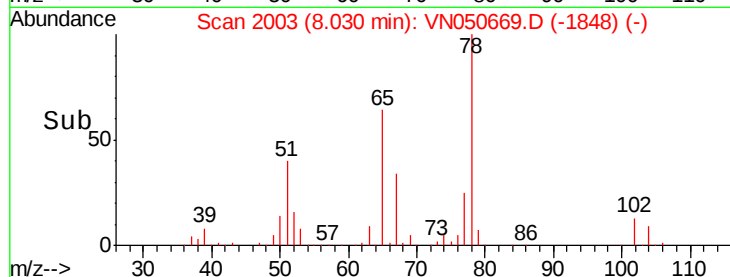
40000

20000

0

Time-->

7.95 8.00 8.05 8.10



#28

1,4-Difluorobenzene

Concen: 30.00 ug/l

RT: 8.59 min Scan# 2177

Delta R.T. 0.00 min

Lab File: VN050669.D

Acq: 15 Aug 2018 21:50

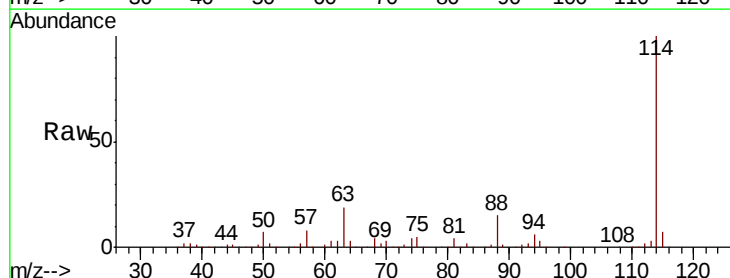
Tgt Ion:114 Resp: 628708

Ion Ratio Lower Upper

114 100

63 19.5 16.2 24.2

88 15.1 12.3 18.5



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 88.00 (87.70 to 88.70): VN0

8.59

400000

300000

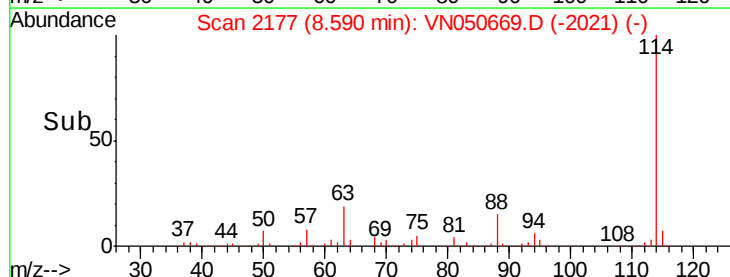
200000

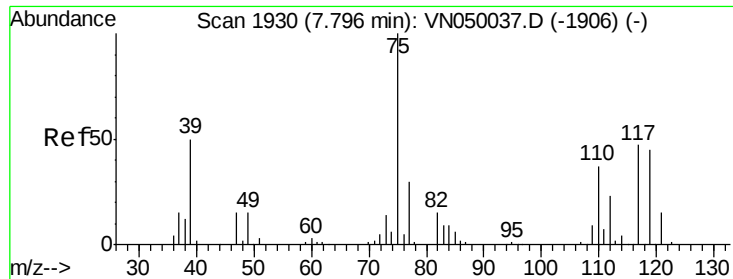
100000

0

Time-->

8.50 8.60 8.70

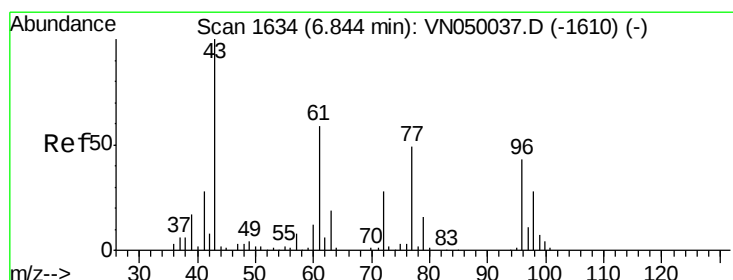
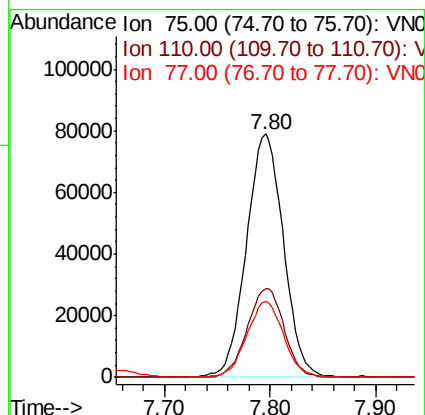
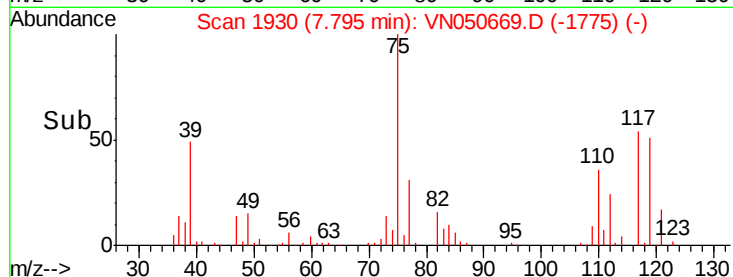
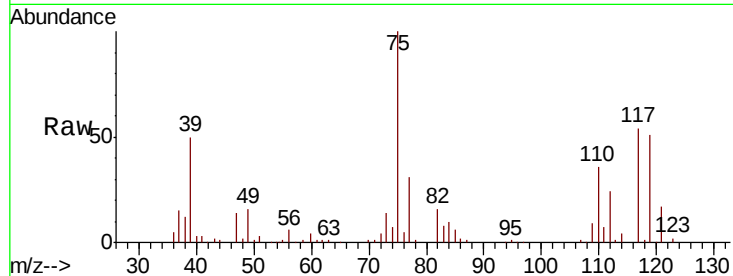




#29
 1,1-Dichloropropene
 Concen: 19.82 ug/l
 RT: 7.80 min Scan# 1930
 Delta R.T. -0.00 min
 Lab File: VN050669.D
 Acq: 15 Aug 2018 21:50

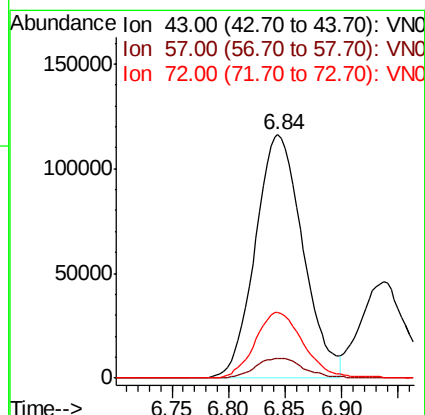
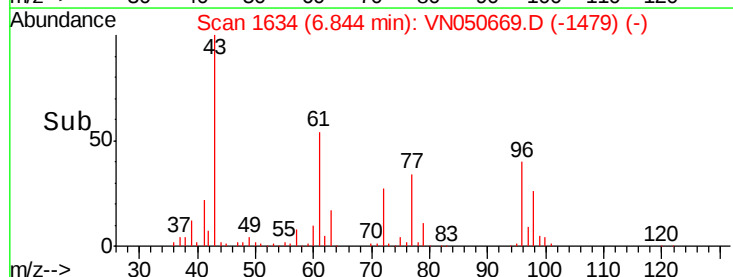
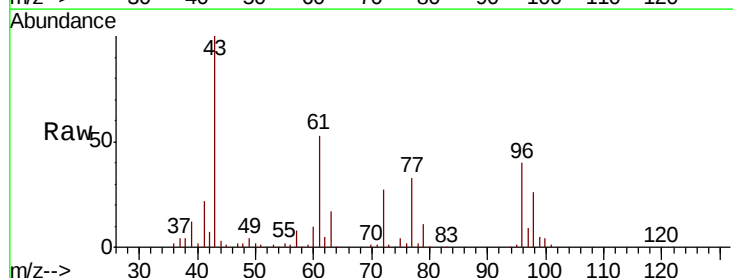
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0815WBS02

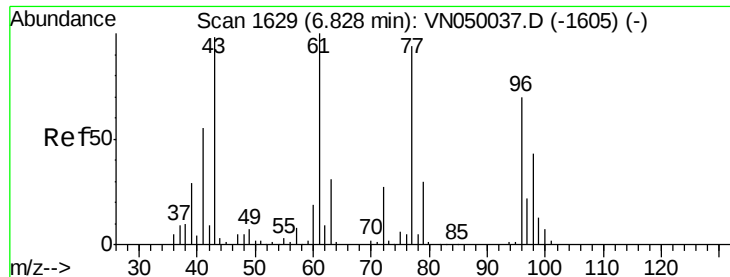
Tot Ion	Ratio	Lower	Upper
75	100		
110	36.2	0.0	73.2
77	30.8	0.0	62.0



#30
 2-Butanone
 Concen: 110.37 ug/l
 RT: 6.84 min Scan# 1634
 Delta R.T. -0.00 min
 Lab File: VN050669.D
 Acq: 15 Aug 2018 21:50

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.3	6.8	10.2
72	27.6	21.4	32.0





#31

2,2-Dichloropropane

Concen: 15.10 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. -0.00 min

Lab File: VN050669.D

Acq: 15 Aug 2018 21:50

Instrument :

MSVOA_N

ClientSampleId :

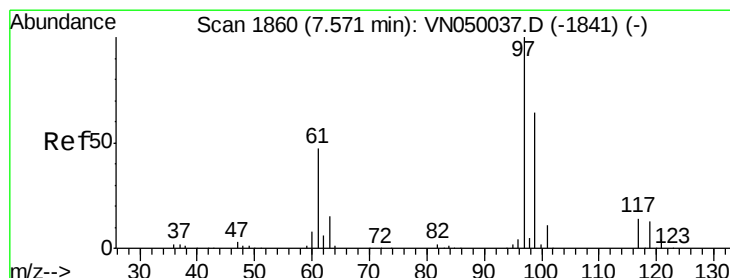
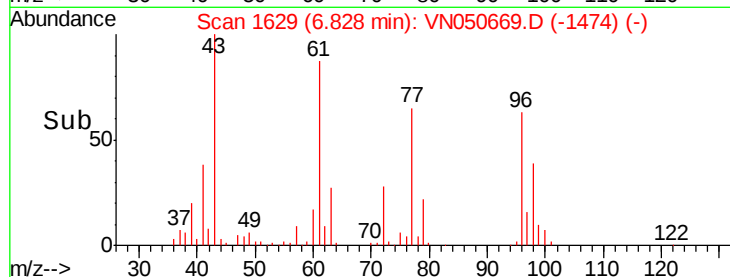
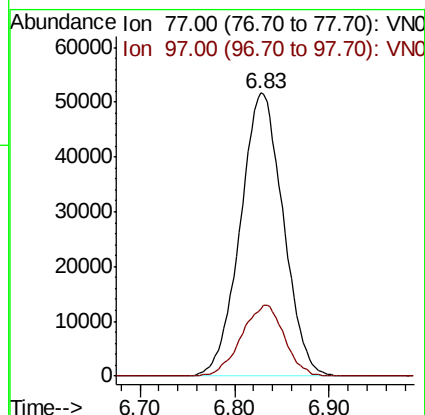
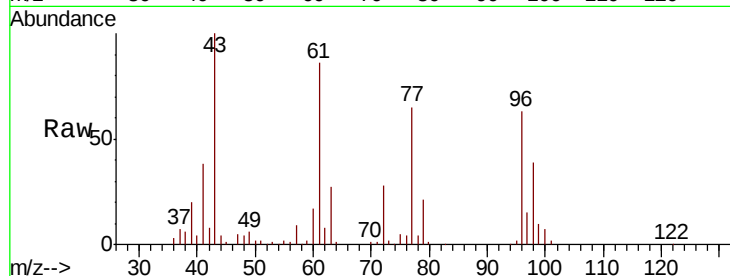
VN0815WBS02

Tot Ion: 77 Resp: 162862

Ion Ratio Lower Upper

77 100

97 25.0 18.9 28.3



#32

1,1,1-Trichloroethane

Concen: 19.70 ug/l

RT: 7.57 min Scan# 1861

Delta R.T. 0.00 min

Lab File: VN050669.D

Acq: 15 Aug 2018 21:50

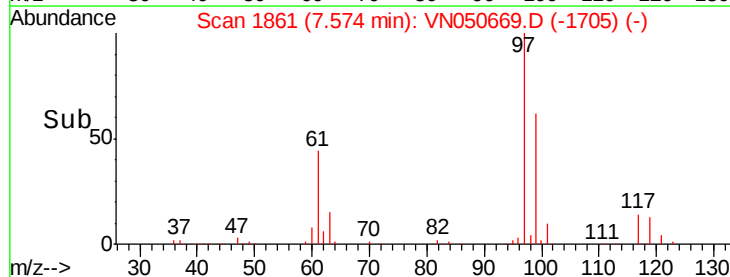
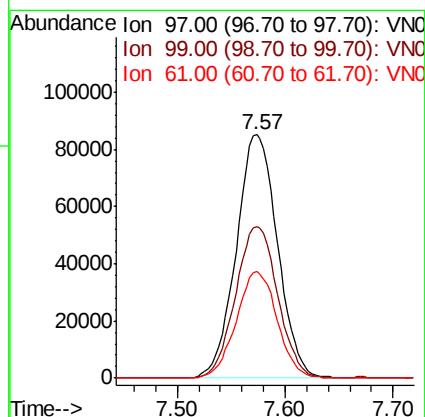
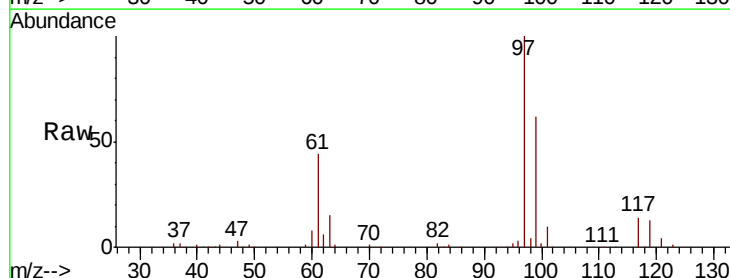
Tgt Ion: 97 Resp: 226208

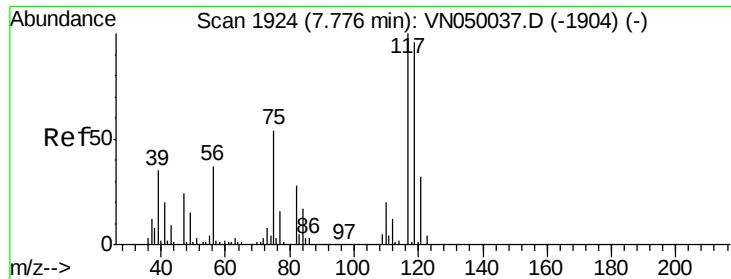
Ion Ratio Lower Upper

97 100

99 63.7 51.2 76.8

61 43.6 35.3 52.9

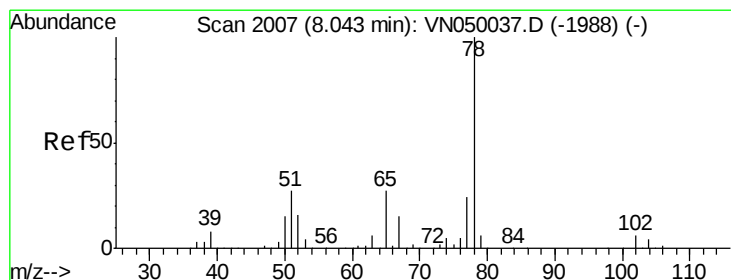
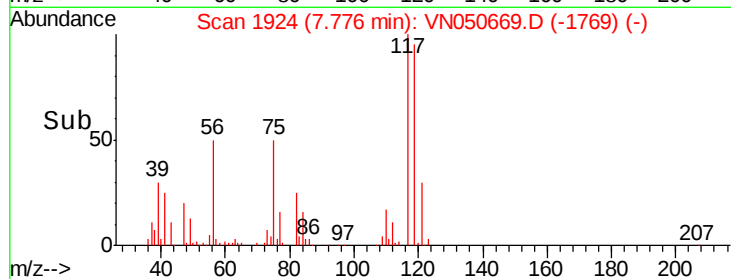
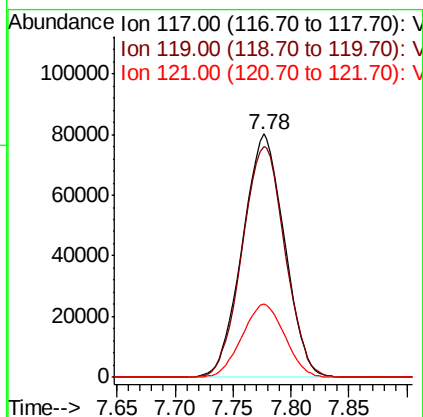
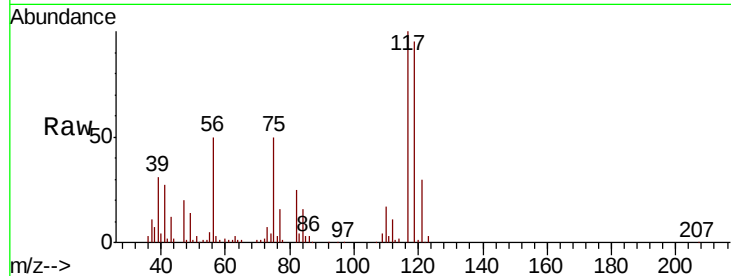




#33
Carbon Tetrachloride
Concen: 19.77 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. -0.00 min
Lab File: VN050669.D
Acq: 15 Aug 2018 21:50

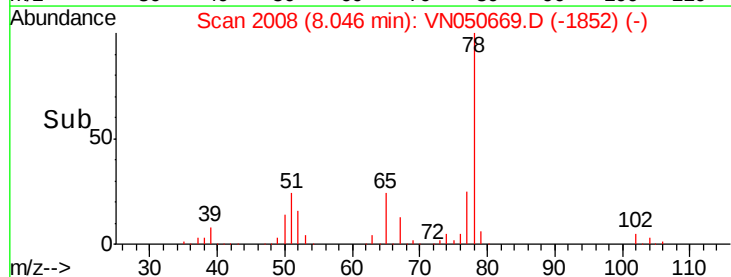
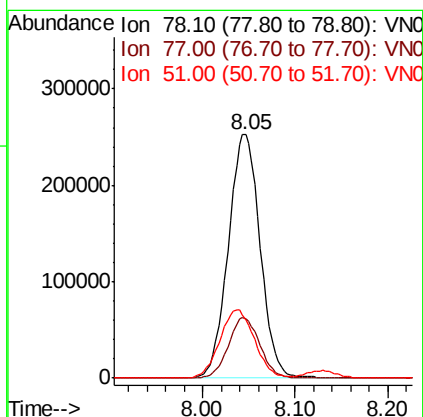
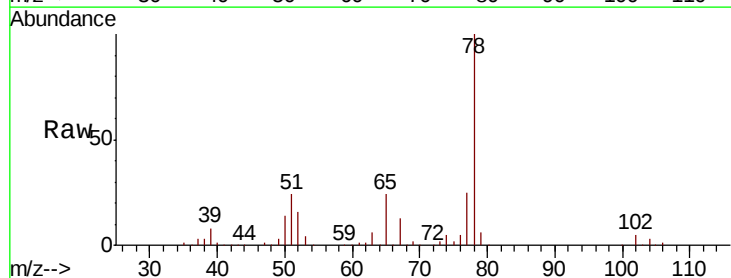
Instrument :
MSVOA_N
ClientSampleId :
VN0815WBS02

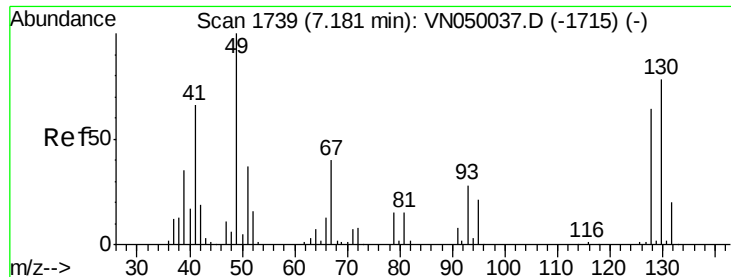
Tot Ion:117 Resp: 202424
Ion Ratio Lower Upper
117 100
119 94.6 76.9 115.3
121 30.1 24.4 36.6



#34
Benzene
Concen: 20.29 ug/l
RT: 8.05 min Scan# 2008
Delta R.T. 0.00 min
Lab File: VN050669.D
Acq: 15 Aug 2018 21:50

Tgt Ion: 78 Resp: 601123
Ion Ratio Lower Upper
78 100
77 24.5 19.1 28.7
51 23.6 21.0 31.4

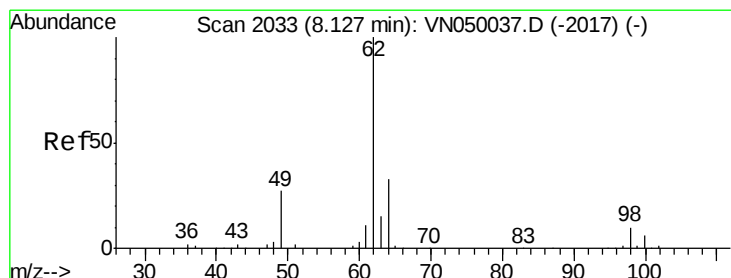
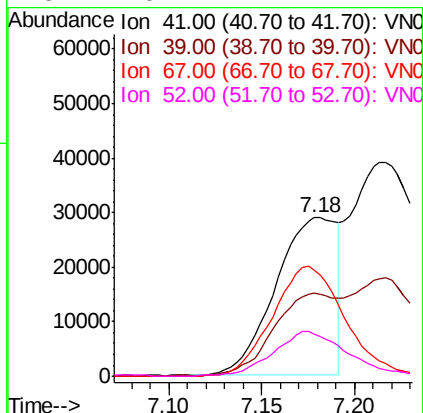
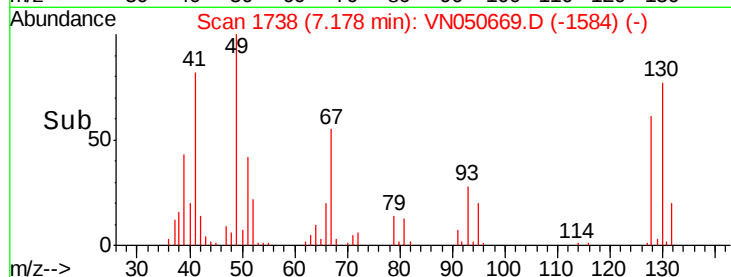
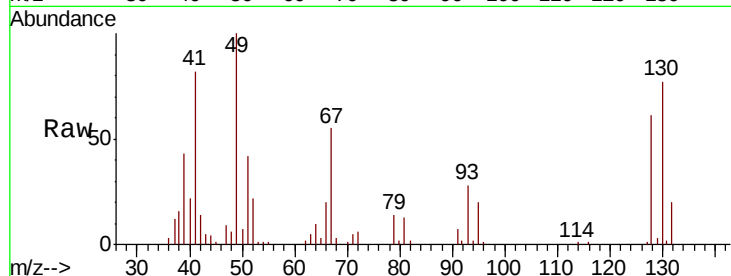




#35
Methacrylonitrile
Concen: 19.06 ug/l
RT: 7.18 min Scan# 1738
Delta R.T. -0.00 min
Lab File: VN050669.D
Acq: 15 Aug 2018 21:50

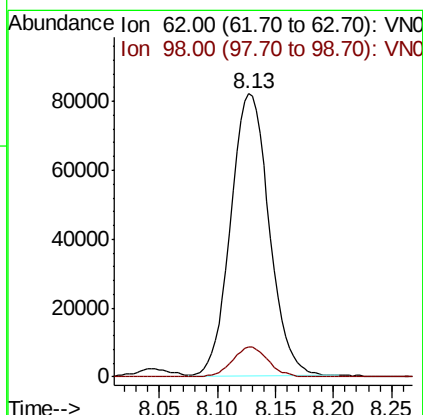
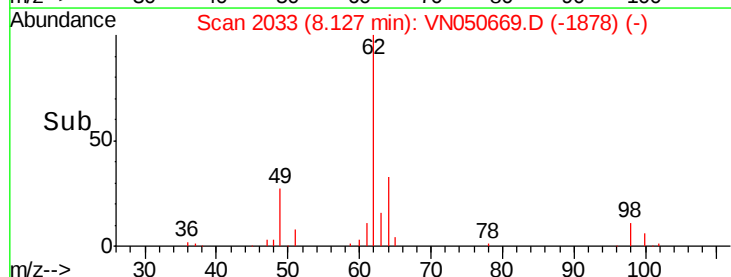
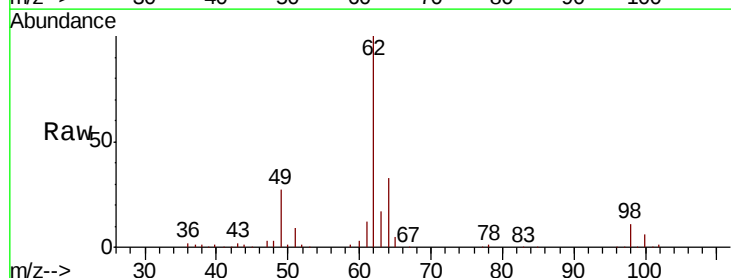
Instrument :
MSVOA_N
ClientSampleId :
VN0815WBS02

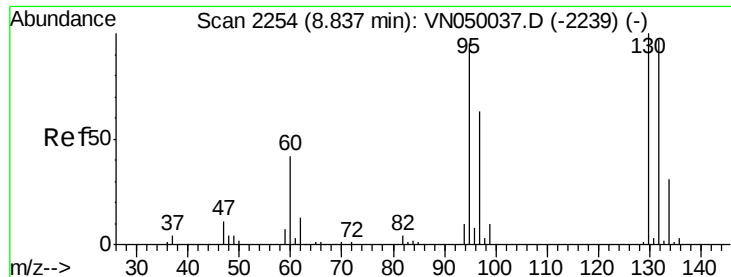
Tot Ion: 41 Resp: 66436
Ion Ratio Lower Upper
41 100
39 52.1 27.6 82.7
67 67.4 35.1 105.5
52 26.7 14.1 42.4



#36
1,2-Dichloroethane
Concen: 19.40 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. -0.00 min
Lab File: VN050669.D
Acq: 15 Aug 2018 21:50

Tgt Ion: 62 Resp: 188703
Ion Ratio Lower Upper
62 100
98 9.9 7.8 11.6

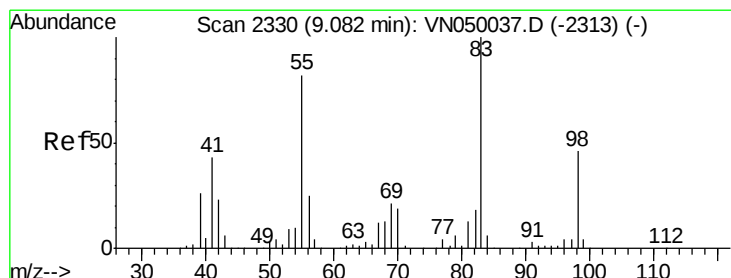
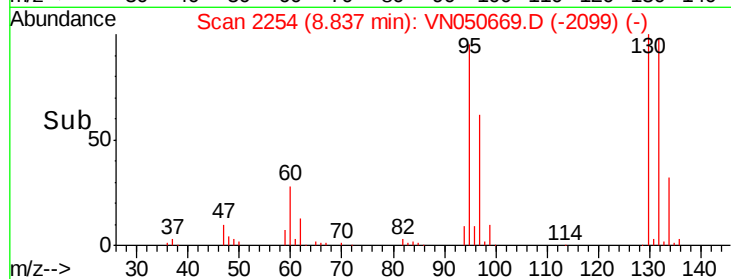
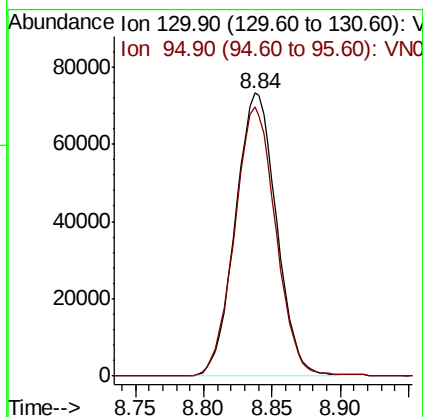
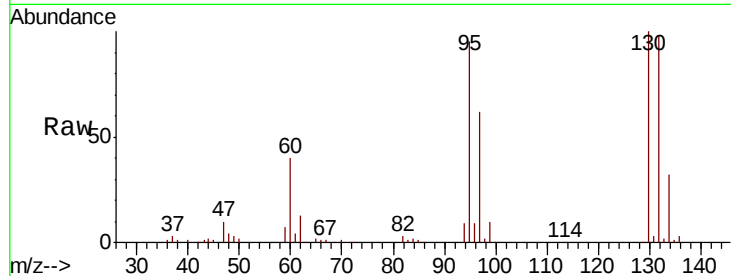




#37
 Trichloroethene
 Concen: 19.67 ug/l
 RT: 8.84 min Scan# 2254
 Delta R.T. -0.00 min
 Lab File: VN050669.D
 Acq: 15 Aug 2018 21:50

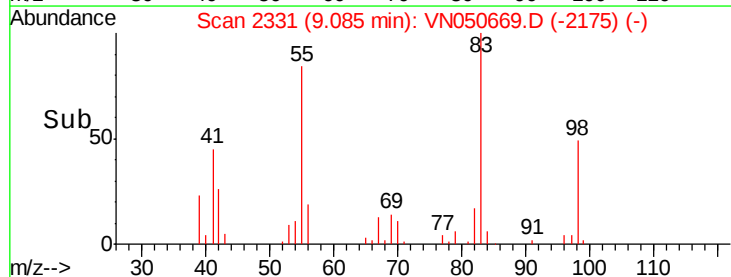
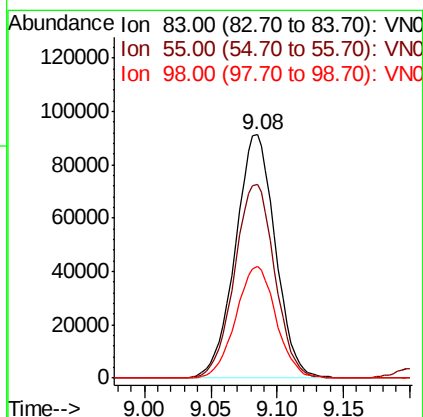
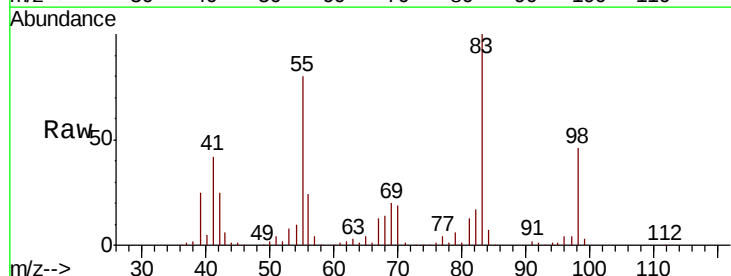
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0815WBS02

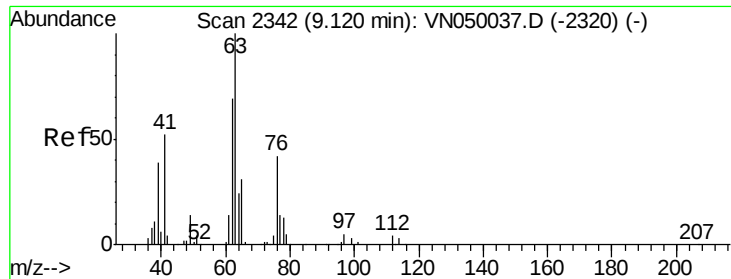
Tot Ion:130 Resp: 152865
 Ion Ratio Lower Upper
 130 100
 95 95.1 79.7 119.5



#38
 Methylcyclohexane
 Concen: 18.55 ug/l
 RT: 9.08 min Scan# 2331
 Delta R.T. 0.00 min
 Lab File: VN050669.D
 Acq: 15 Aug 2018 21:50

Tgt Ion: 83 Resp: 190767
 Ion Ratio Lower Upper
 83 100
 55 80.4 39.3 117.8
 98 46.3 23.0 69.0





#39

1,2-Dichloropropane

Concen: 20.39 ug/l

RT: 9.12 min Scan# 2343

Delta R.T. 0.00 min

Lab File: VN050669.D

Acq: 15 Aug 2018 21:50

Instrument :

MSVOA_N

ClientSampleId :

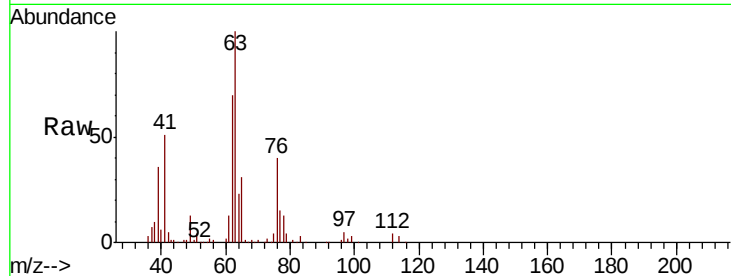
VN0815WBS02

Tot Ion: 63 Resp: 159150

Ion Ratio Lower Upper

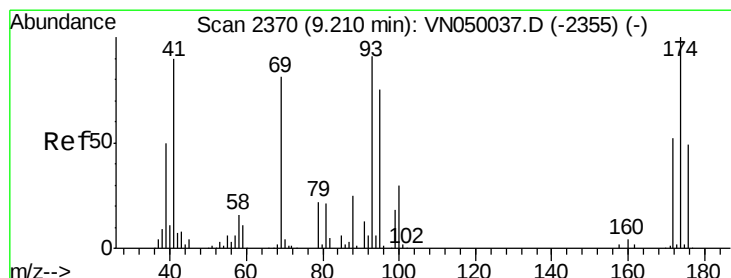
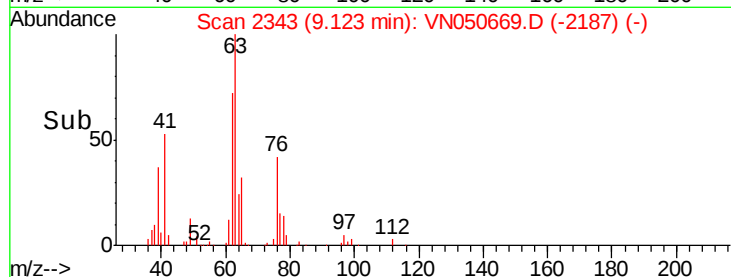
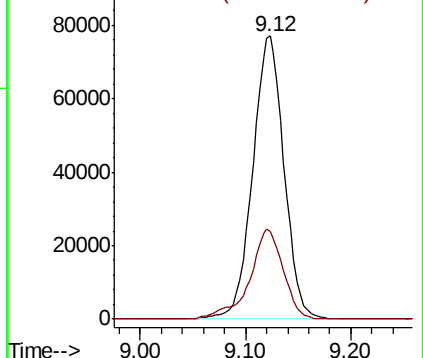
63 100

65 30.8 24.2 36.2



Abundance Ion 63.00 (62.70 to 63.70): VN0

Ion 65.00 (64.70 to 65.70): VN0



#40

Dibromomethane

Concen: 19.83 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VN050669.D

Acq: 15 Aug 2018 21:50

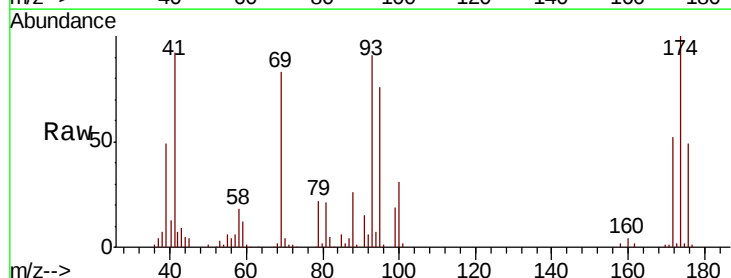
Tgt Ion: 93 Resp: 95692

Ion Ratio Lower Upper

93 100

95 83.4 0.0 165.6

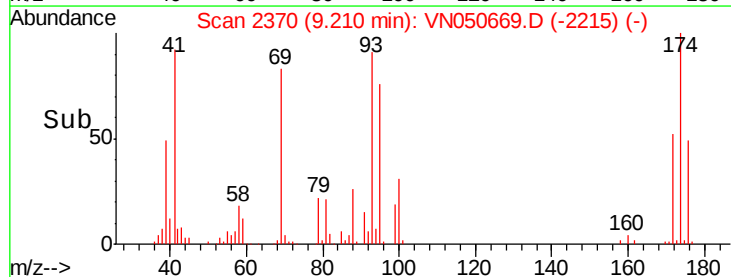
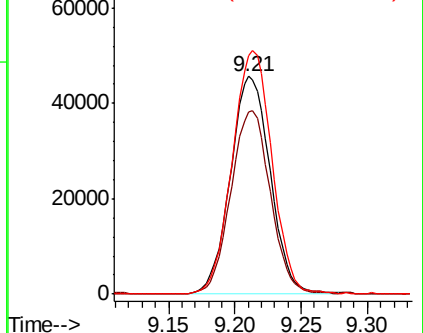
174 111.3 0.0 223.2

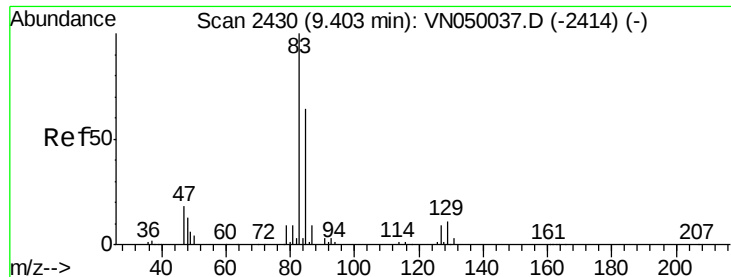


Abundance Ion 93.00 (92.70 to 93.70): VN0

Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): V





#41

Bromodichloromethane

Concen: 19.35 ug/l

RT: 9.41 min Scan# 2431

Delta R.T. 0.00 min

Lab File: VN050669.D

Acq: 15 Aug 2018 21:50

Instrument :

MSVOA_N

ClientSampleId :

VN0815WBS02

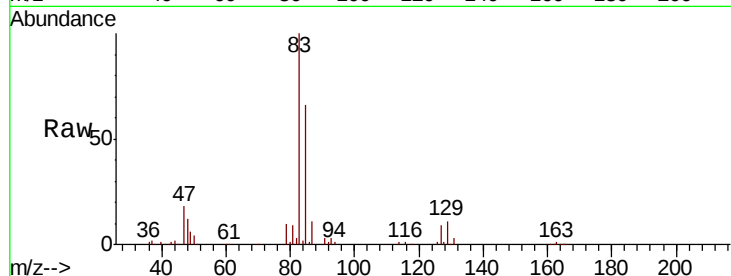
Tot Ion: 83 Resp: 196902

Ion Ratio Lower Upper

83 100

85 65.6 52.6 78.8

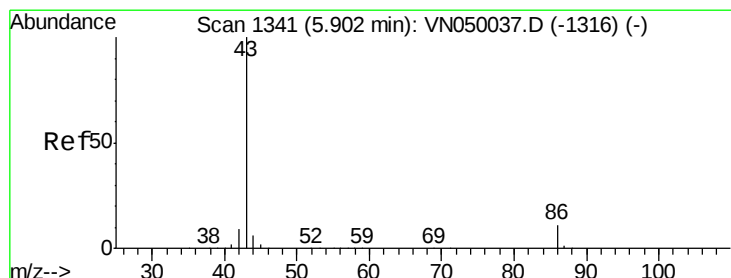
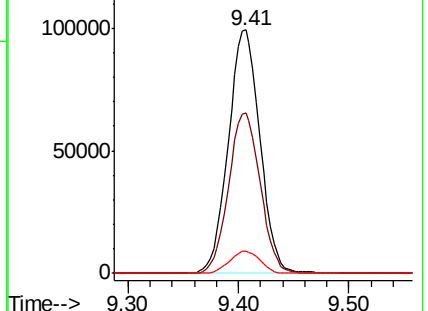
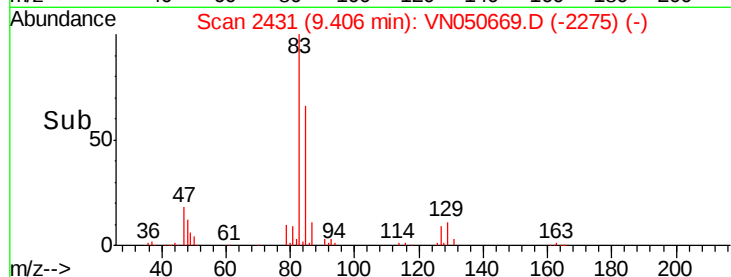
127 9.0 7.0 10.4



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0

Ion 127.00 (126.70 to 127.70): V



#42

Vinyl Acetate

Concen: 98.56 ug/l

RT: 5.90 min Scan# 1341

Delta R.T. -0.00 min

Lab File: VN050669.D

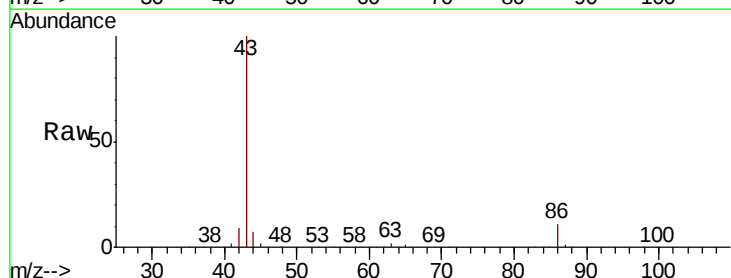
Acq: 15 Aug 2018 21:50

Tgt Ion: 43 Resp: 1420032

Ion Ratio Lower Upper

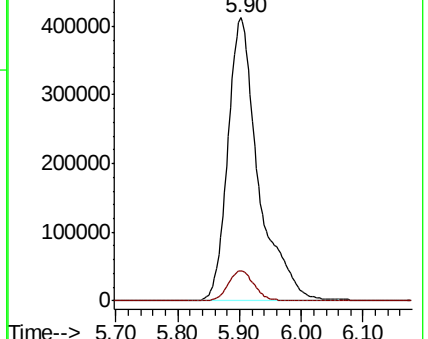
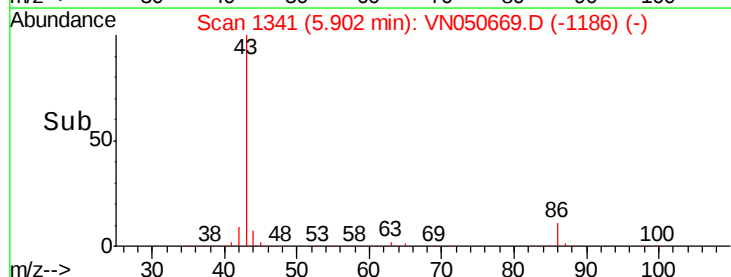
43 100

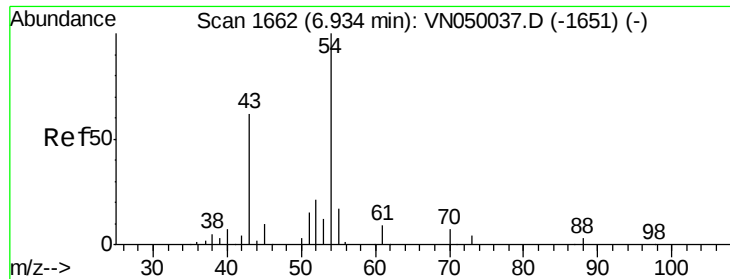
86 9.1 7.3 10.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0





#43

Ethyl Acetate

Concen: 19.62 ug/l

RT: 6.94 min Scan# 1663

Delta R.T. 0.00 min

Lab File: VN050669.D

Acq: 15 Aug 2018 21:50

Instrument :

MSVOA_N

ClientSampled :

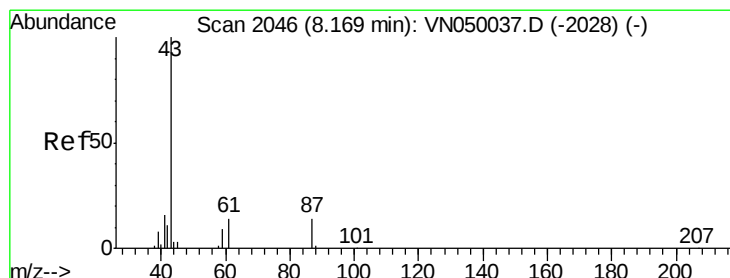
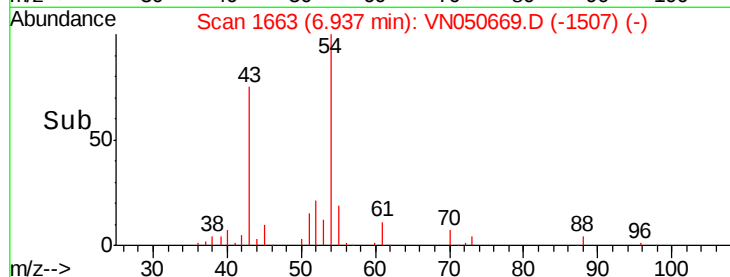
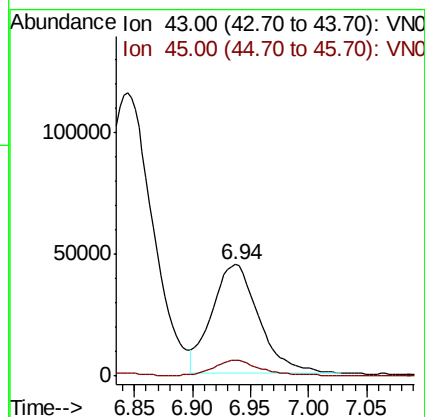
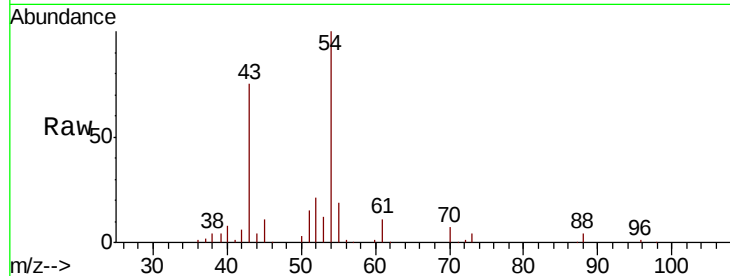
VN0815WBS02

Tot Ion: 43 Resp: 125435

Ion Ratio Lower Upper

43 100

45 13.8 13.0 19.6



#44

Isopropyl Acetate

Concen: 18.75 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. -0.00 min

Lab File: VN050669.D

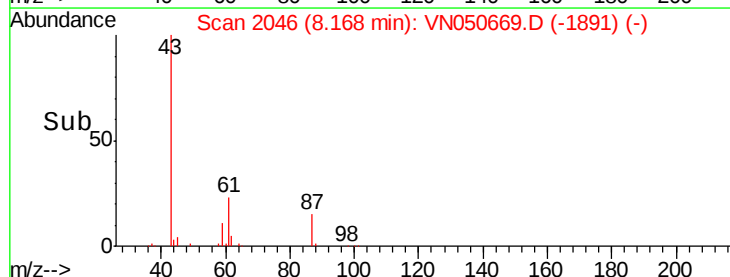
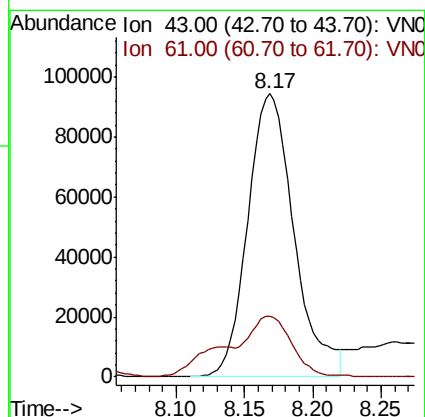
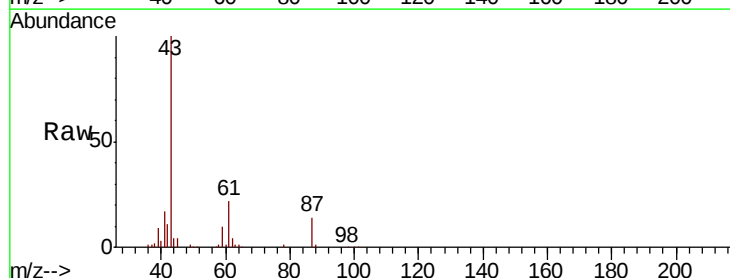
Acq: 15 Aug 2018 21:50

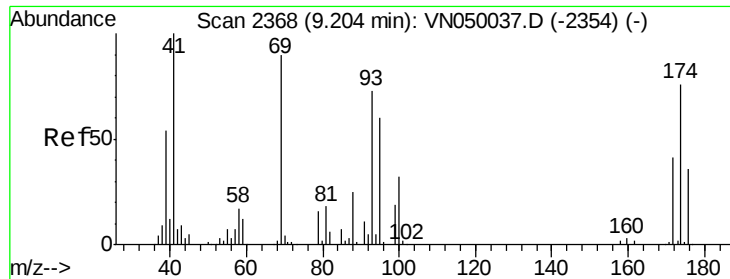
Tgt Ion: 43 Resp: 222069

Ion Ratio Lower Upper

43 100

61 19.3 16.4 24.6

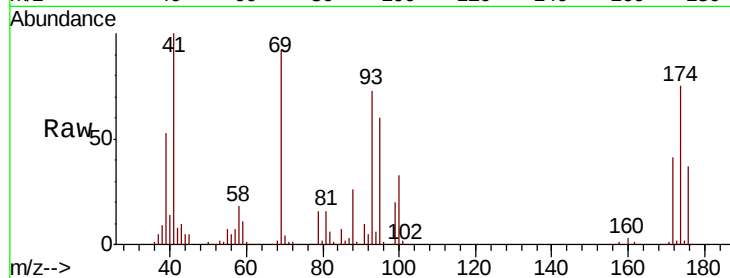




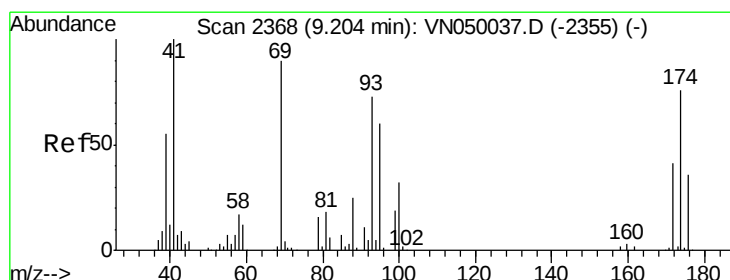
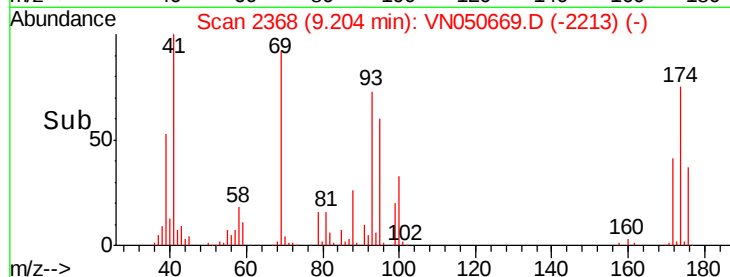
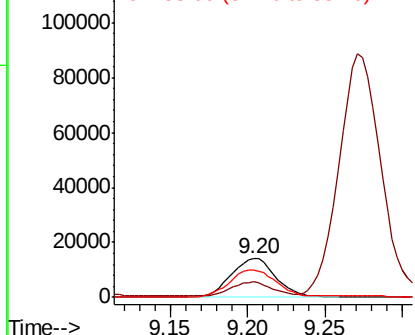
#45
 1,4-Dioxane
 Concen: 367.41 ug/l
 RT: 9.20 min Scan# 2368
 Delta R.T. -0.00 min
 Lab File: VN050669.D
 Acq: 15 Aug 2018 21:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0815WBS02

Tot Ion: 88 Resp: 28634
 Ion Ratio Lower Upper
 88 100
 43 32.4 26.9 40.3
 58 73.6 53.6 80.4

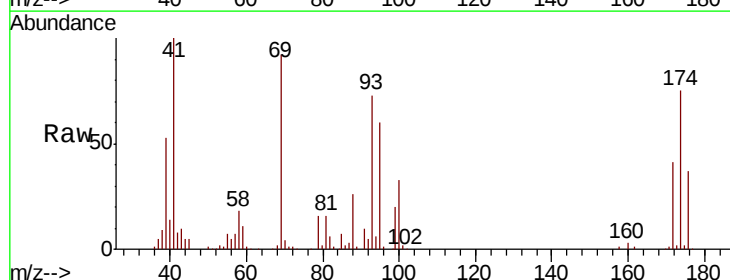


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

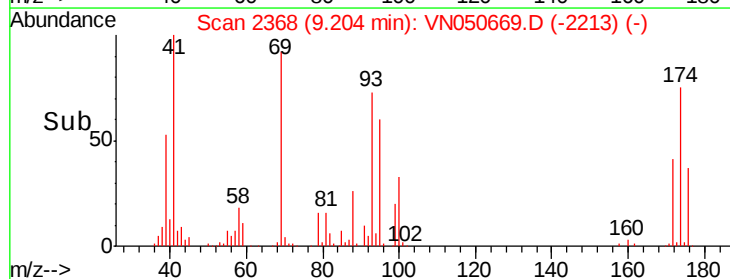
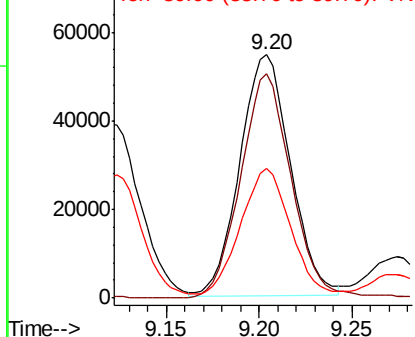


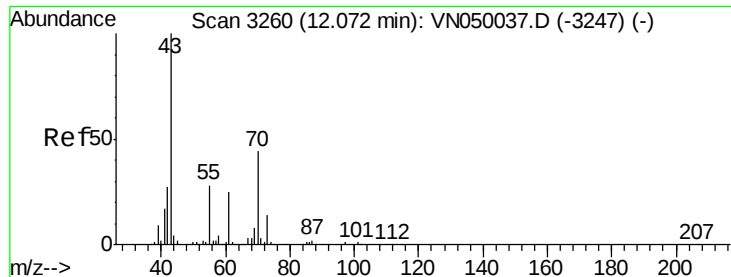
#46
 Methyl methacrylate
 Concen: 18.06 ug/l
 RT: 9.20 min Scan# 2368
 Delta R.T. -0.00 min
 Lab File: VN050669.D
 Acq: 15 Aug 2018 21:50

Tgt Ion: 41 Resp: 103705
 Ion Ratio Lower Upper
 41 100
 69 94.4 44.0 132.1
 39 52.6 27.0 80.8



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





#47

n-amvl Acetate

Concen: 18.12 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN050669.D

Acq: 15 Aug 2018 21:50

Instrument :

MSVOA_N

ClientSampleId :

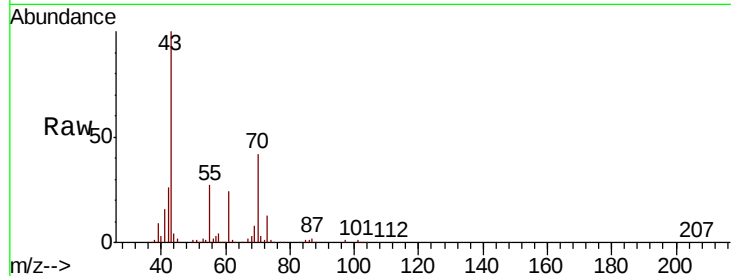
VN0815WBS02

Tot Ion: 43 Resp: 166952

Ion Ratio Lower Upper

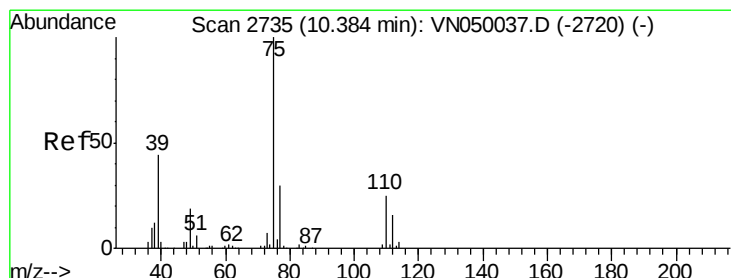
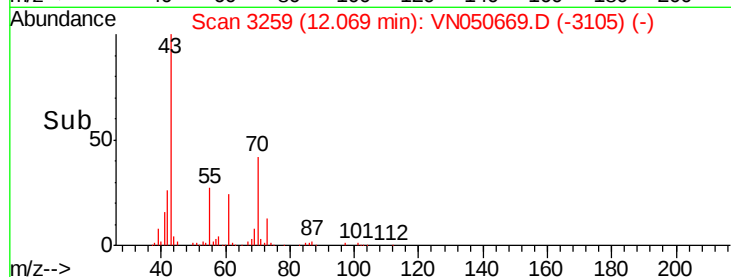
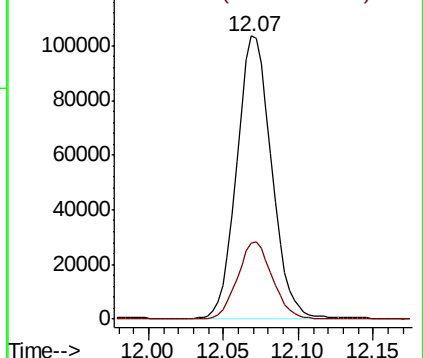
43 100

55 27.6 21.0 31.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#48

t-1,3-Dichloropropene

Concen: 18.62 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. -0.00 min

Lab File: VN050669.D

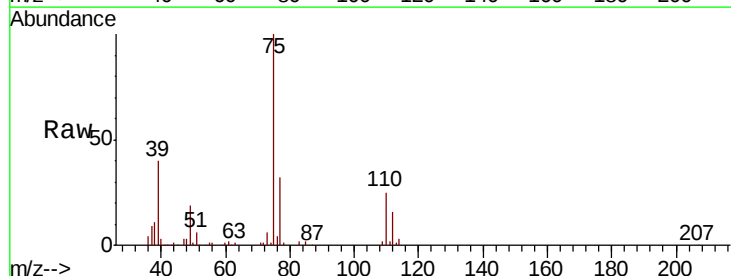
Acq: 15 Aug 2018 21:50

Tgt Ion: 75 Resp: 180633

Ion Ratio Lower Upper

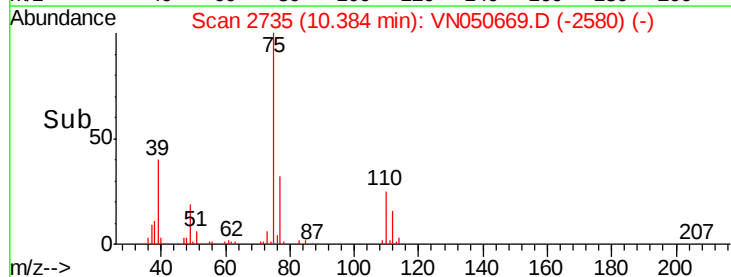
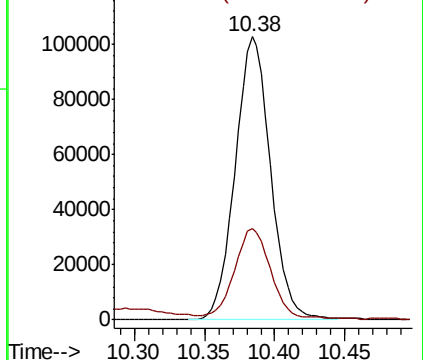
75 100

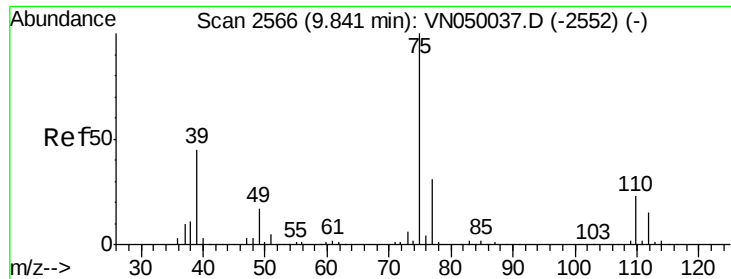
77 31.7 24.6 37.0



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

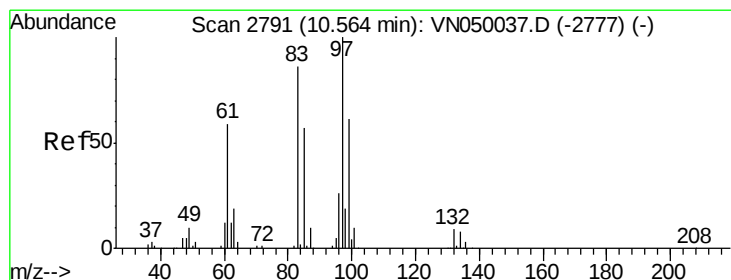
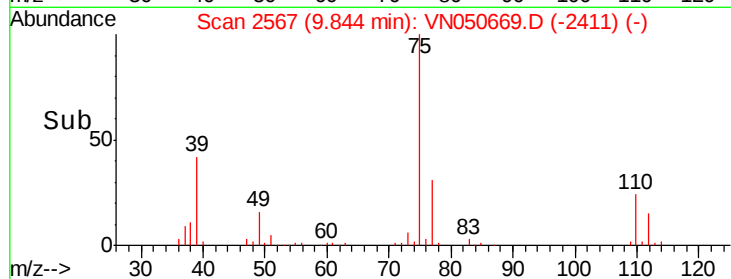
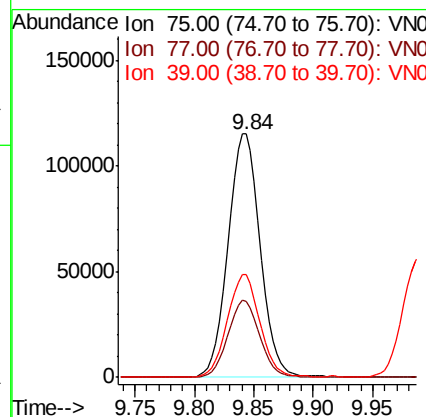
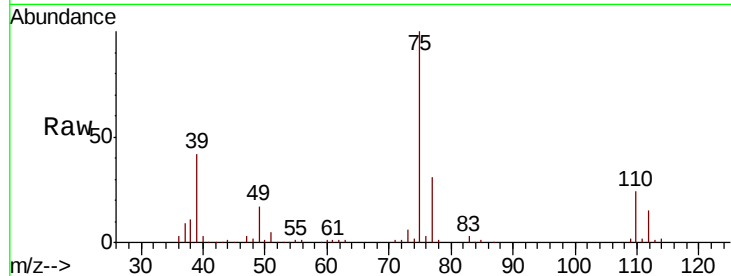




#49
 cis-1,3-Dichloropropene
 Concen: 18.90 ug/l
 RT: 9.84 min Scan# 2567
 Delta R.T. 0.00 min
 Lab File: VN050669.D
 Acq: 15 Aug 2018 21:50

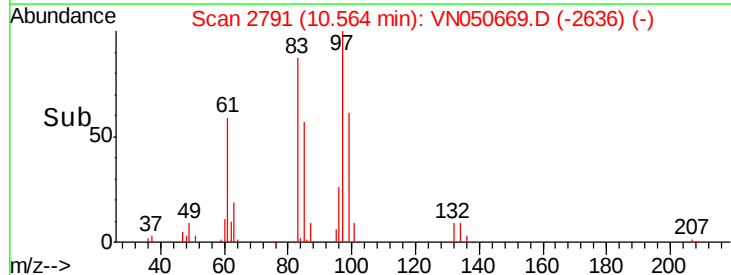
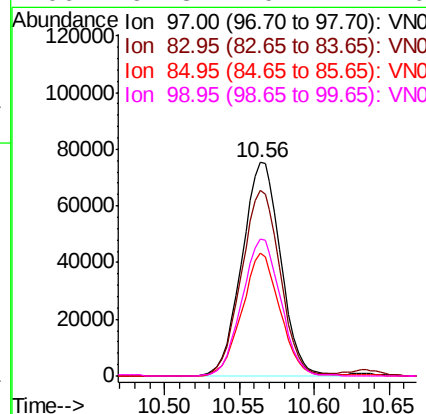
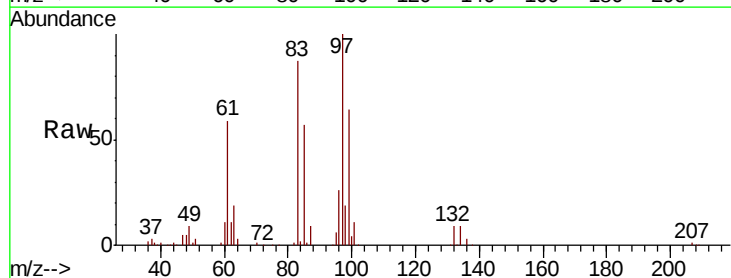
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0815WBS02

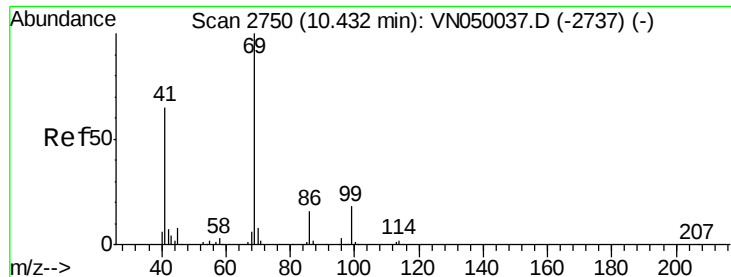
Tot Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.7	38.5
39	42.1	36.3	54.5



#50
 1,1,2-Trichloroethane
 Concen: 19.62 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. -0.00 min
 Lab File: VN050669.D
 Acq: 15 Aug 2018 21:50

Tgt Ion	Ratio	Lower	Upper
97	100		
83	86.9	68.1	102.1
85	57.4	45.4	68.2
99	64.3	49.4	74.0





#51

Ethyl methacrylate

Concen: 18.92 ug/l

RT: 10.43 min Scan# 2750

Delta R.T. -0.00 min

Lab File: VN050669.D

Acq: 15 Aug 2018 21:50

Instrument :

MSVOA_N

ClientSampleId :

VN0815WBS02

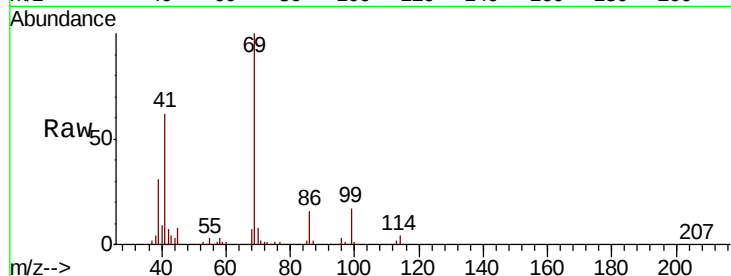
Tot Ion: 69 Resp: 159066

Ion Ratio Lower Upper

69 100

41 61.8 31.9 95.9

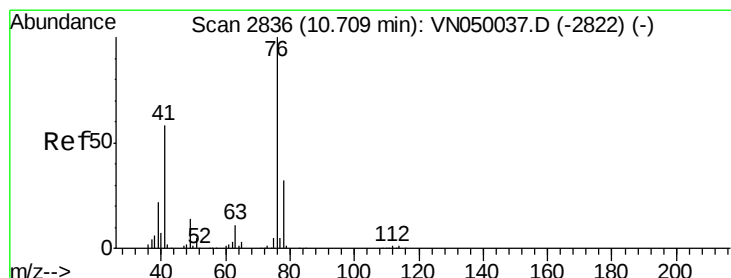
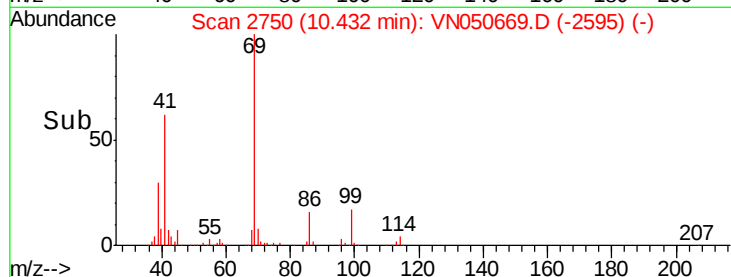
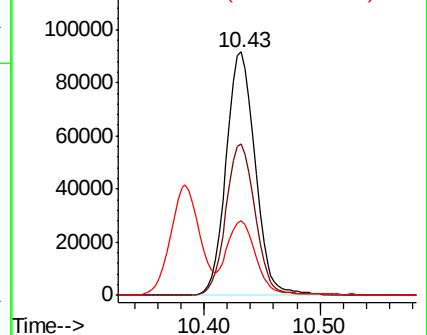
39 30.3 16.7 50.1



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#52

1,3-Dichloropropane

Concen: 19.83 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. -0.00 min

Lab File: VN050669.D

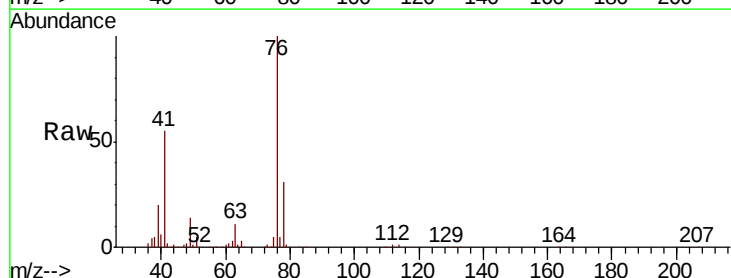
Acq: 15 Aug 2018 21:50

Tgt Ion: 76 Resp: 225490

Ion Ratio Lower Upper

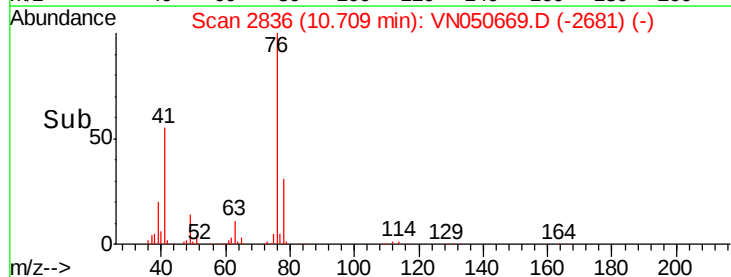
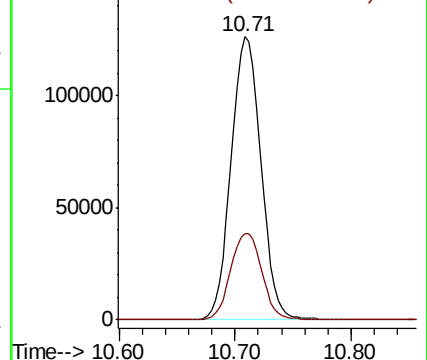
76 100

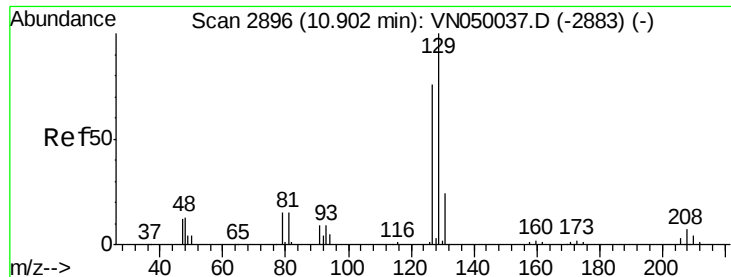
78 31.8 0.0 65.6



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#53

Dibromochloromethane

Concen: 19.19 ug/l

RT: 10.90 min Scan# 2897

Delta R.T. 0.00 min

Lab File: VN050669.D

Acq: 15 Aug 2018 21:50

Instrument :

MSVOA_N

ClientSampleId :

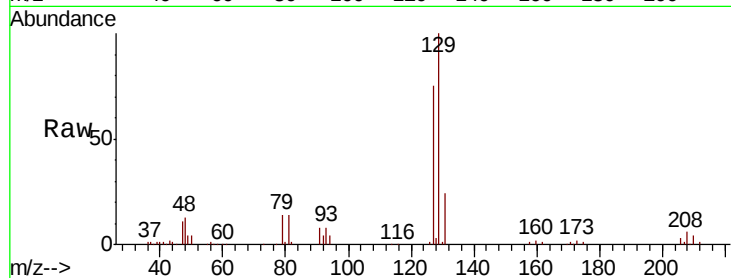
VN0815WBS02

Tot Ion:129 Resp: 150810

Ion Ratio Lower Upper

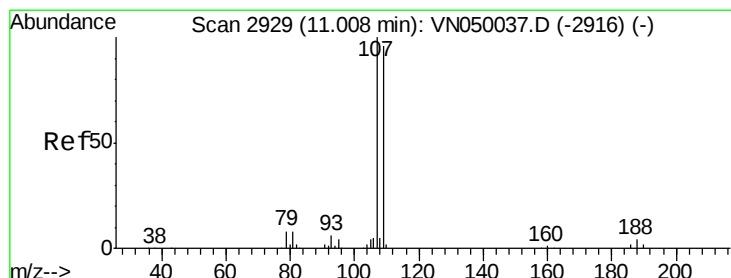
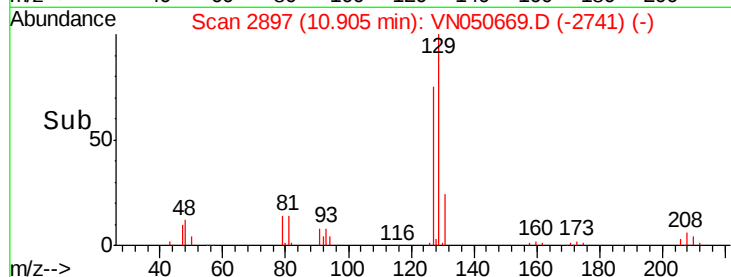
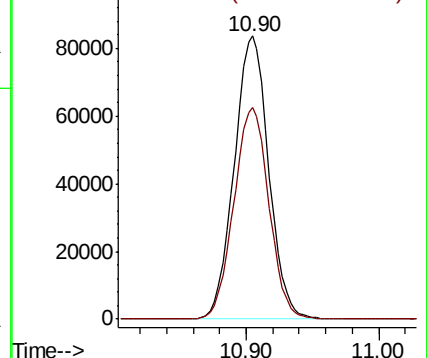
129 100

127 76.1 38.1 114.5



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 19.01 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. -0.00 min

Lab File: VN050669.D

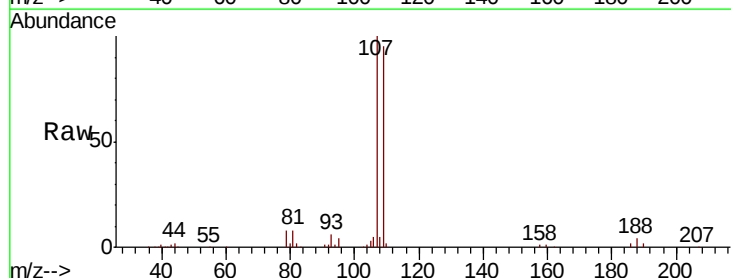
Acq: 15 Aug 2018 21:50

Tgt Ion:107 Resp: 128900

Ion Ratio Lower Upper

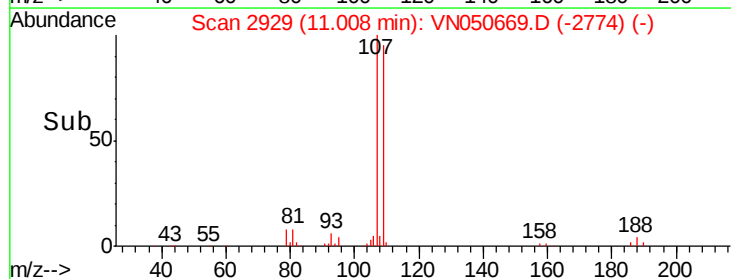
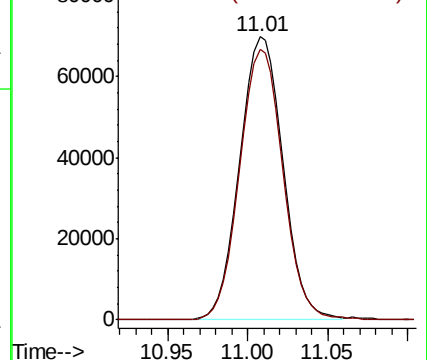
107 100

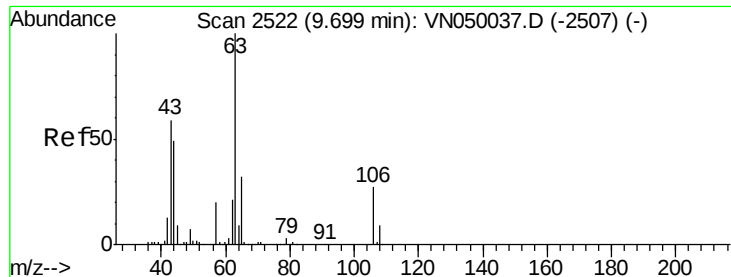
109 95.6 76.2 114.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

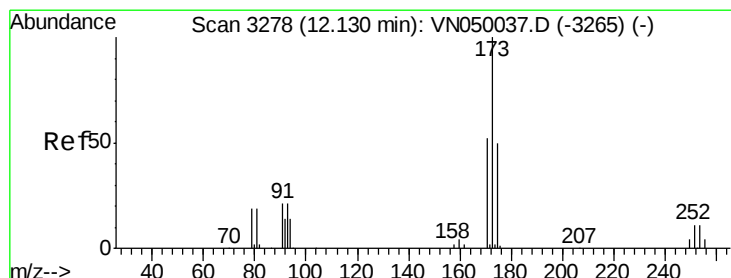
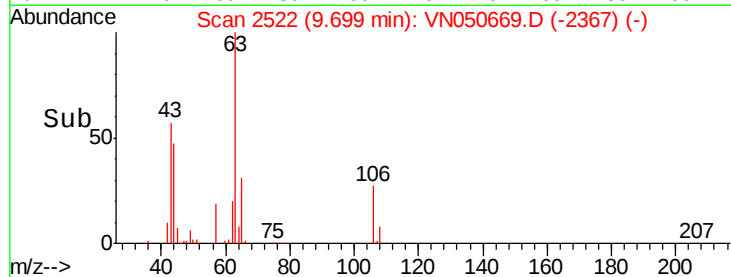
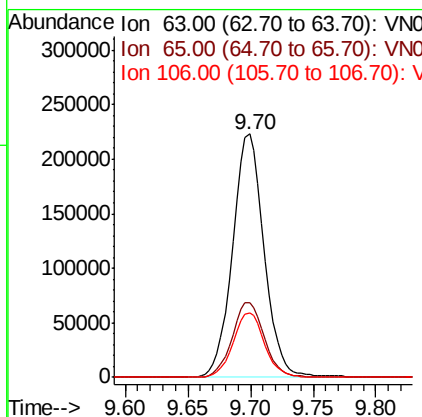
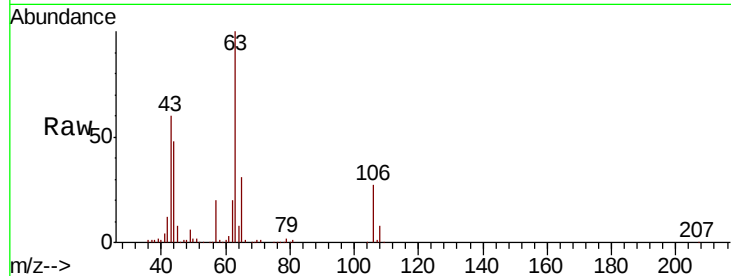




#55
 2-Chloroethyl vinyl ether
 Concen: 102.36 ug/l
 RT: 9.70 min Scan# 2522
 Delta R.T. -0.00 min
 Lab File: VN050669.D
 Acq: 15 Aug 2018 21:50

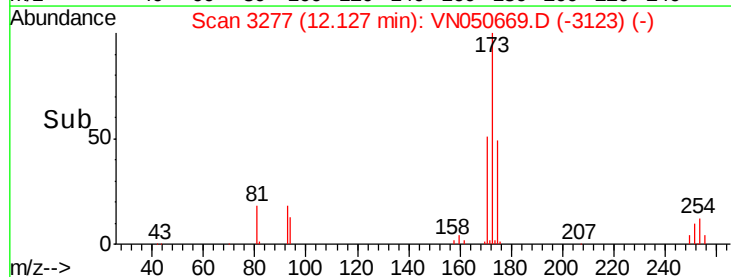
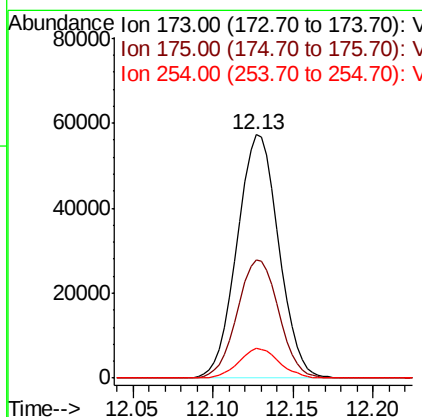
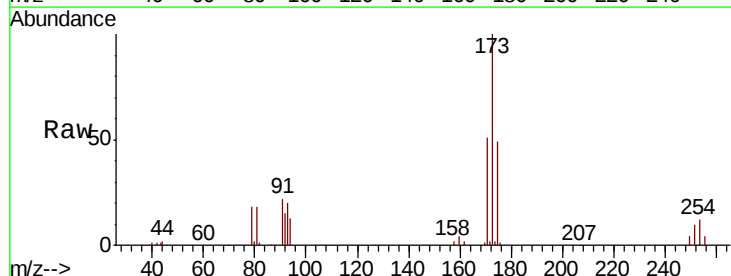
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0815WBS02

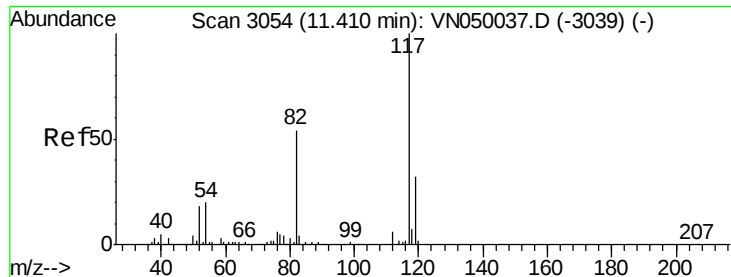
Tot Ion: 63 Resp: 389401
 Ion Ratio Lower Upper
 63 100
 65 31.4 25.5 38.3
 106 26.6 21.8 32.6



#56
 Bromoform
 Concen: 18.36 ug/l
 RT: 12.13 min Scan# 3277
 Delta R.T. -0.00 min
 Lab File: VN050669.D
 Acq: 15 Aug 2018 21:50

Tgt Ion: 173 Resp: 101864
 Ion Ratio Lower Upper
 173 100
 175 48.4 38.6 57.8
 254 11.7 8.8 13.2

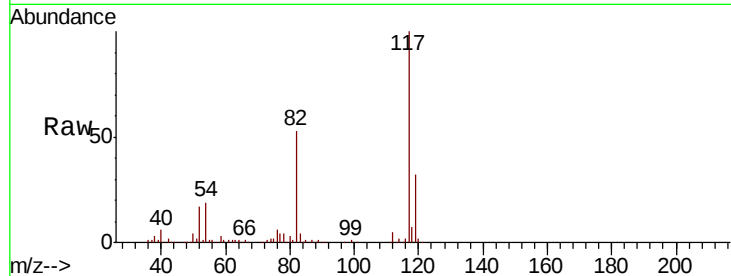




#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN050669.D
Acq: 15 Aug 2018 21:50

Instrument :
MSVOA_N
ClientSampleId :
VN0815WBS02

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.2	42.4	63.6
119	32.1	25.4	38.0

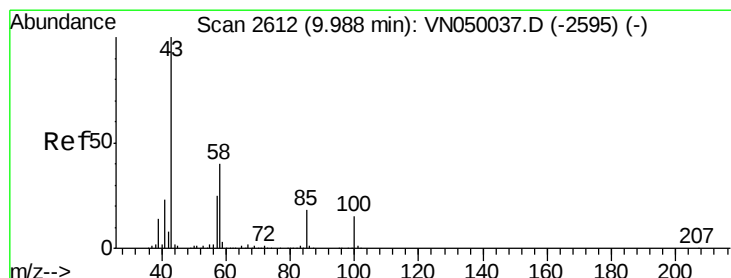
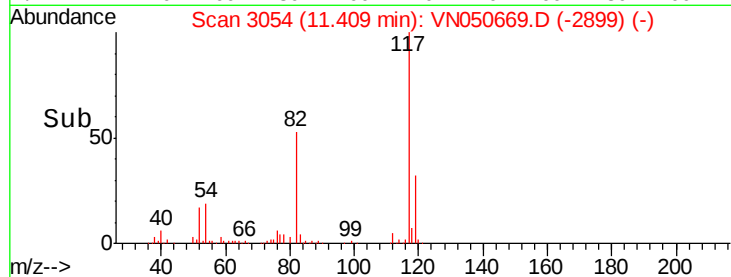
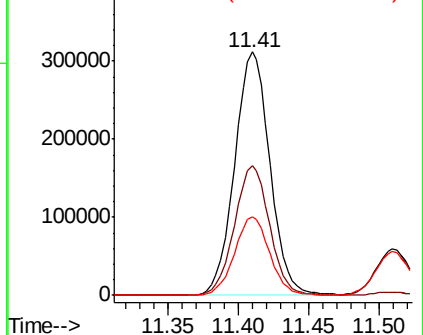


Abundance

Ion 117.00 (116.70 to 117.70): V

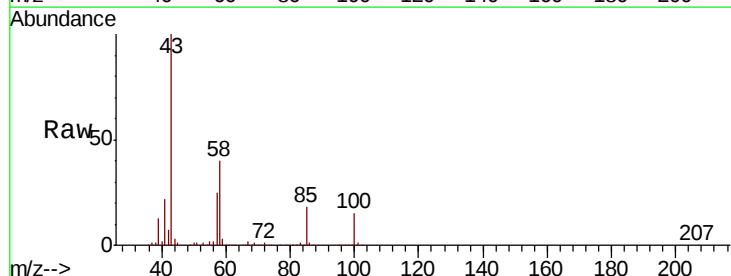
Ion 82.00 (81.70 to 82.70): V

Ion 119.00 (118.70 to 119.70): V



#58
4-Methyl-2-Pentanone
Concen: 122.83 ug/l
RT: 9.99 min Scan# 2612
Delta R.T. -0.00 min
Lab File: VN050669.D
Acq: 15 Aug 2018 21:50

Tgt Ion	Ratio	Lower	Upper
43	100		
58	40.0	31.2	46.8
85	18.1	14.4	21.6

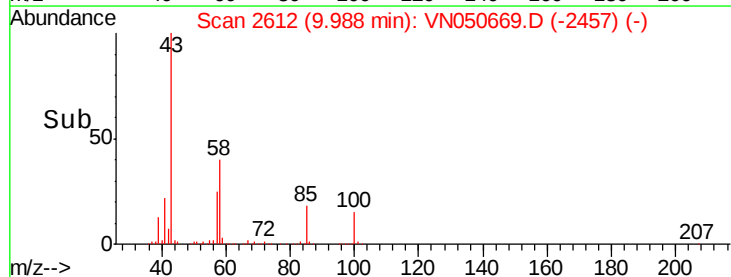
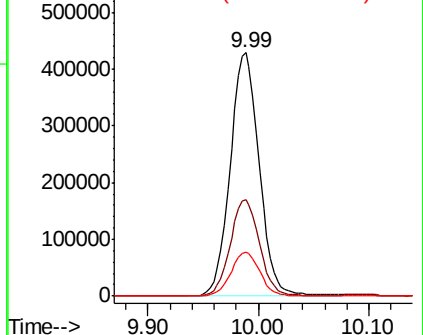


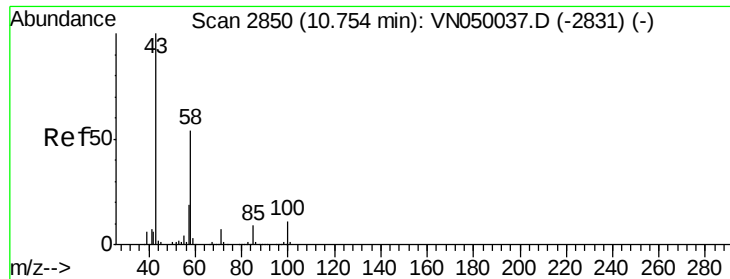
Abundance

Ion 43.00 (42.70 to 43.70): V

Ion 58.00 (57.70 to 58.70): V

Ion 85.00 (84.70 to 85.70): V

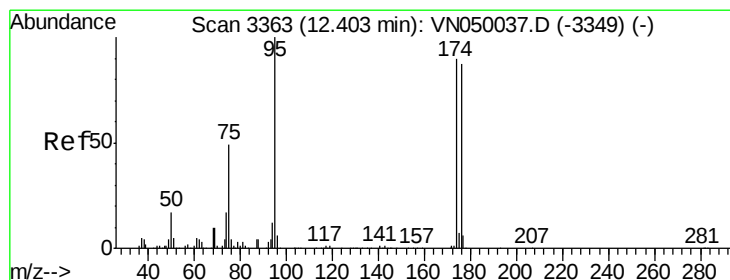
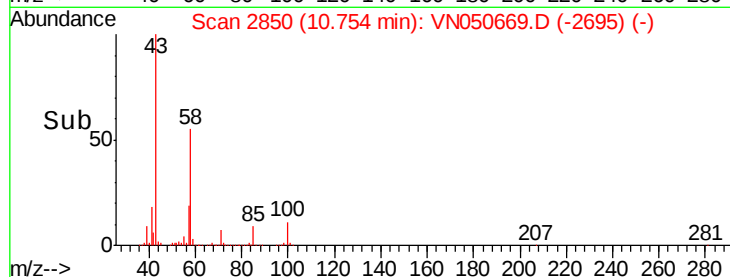
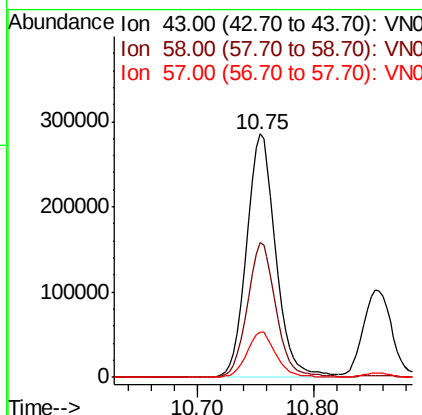
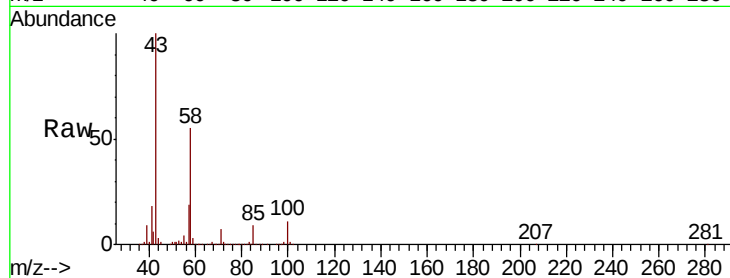




#59
2-Hexanone
Concen: 115.20 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. -0.00 min
Lab File: VN050669.D
Acq: 15 Aug 2018 21:50

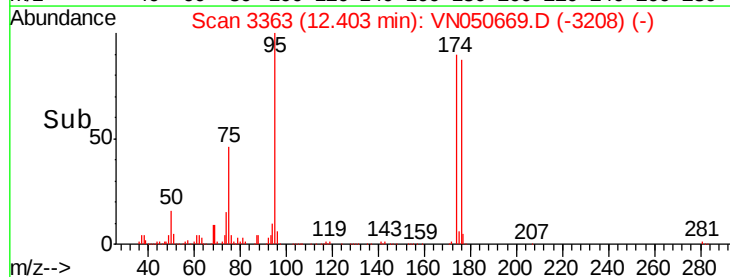
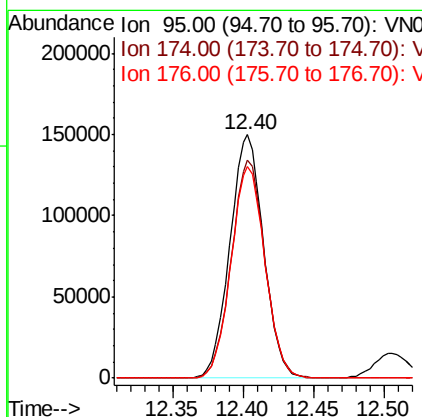
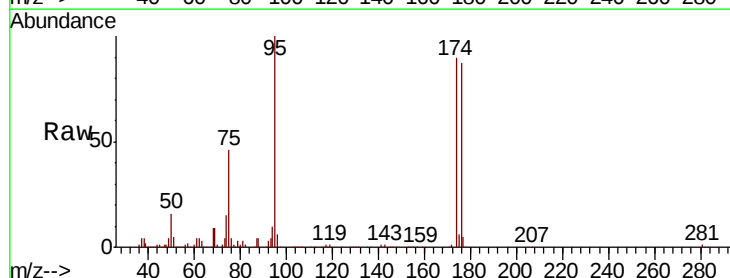
Instrument :
MSVOA_N
ClientSampleId :
VN0815WBS02

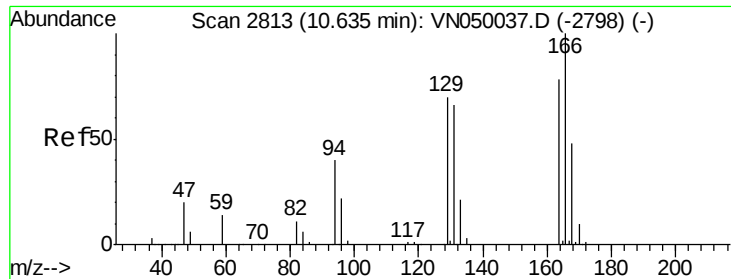
Tot Ion	Ratio	Lower	Upper
43	100		
58	54.6	43.8	65.8
57	18.6	15.1	22.7



#60
4-Bromofluorobenzene
Concen: 29.78 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. -0.00 min
Lab File: VN050669.D
Acq: 15 Aug 2018 21:50

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.6	72.3	108.5
176	87.6	70.0	105.0





#61

Tetrachloroethene

Concen: 19.49 ug/l

RT: 10.63 min Scan# 2813

Delta R.T. -0.00 min

Lab File: VN050669.D

Acq: 15 Aug 2018 21:50

Instrument :

MSVOA_N

ClientSampleId :

VN0815WBS02

Tot Ion:164 Resp: 144273

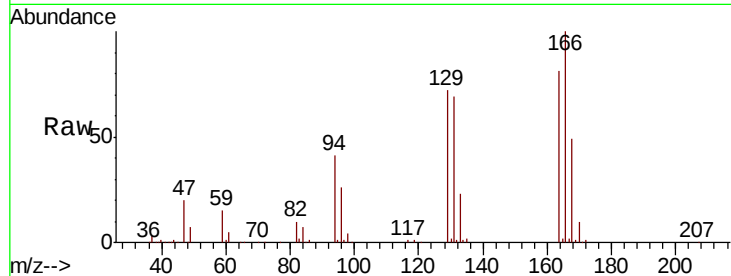
Ion Ratio Lower Upper

164 100

166 124.2 100.0 150.0

129 89.9 69.3 103.9

131 85.9 68.8 103.2

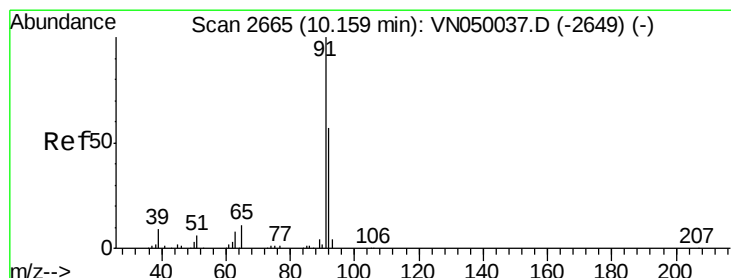
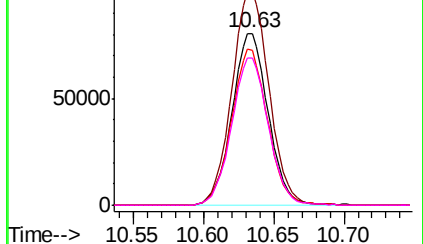
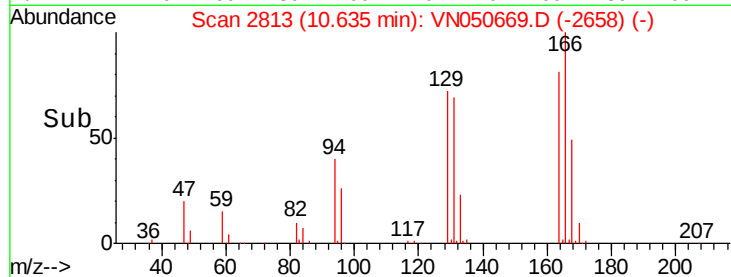


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 20.34 ug/l

RT: 10.16 min Scan# 2665

Delta R.T. -0.00 min

Lab File: VN050669.D

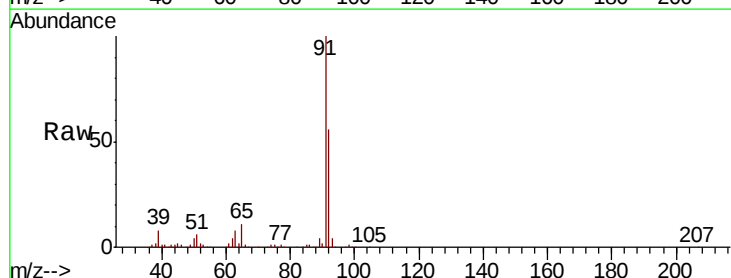
Acq: 15 Aug 2018 21:50

Tgt Ion: 91 Resp: 634198

Ion Ratio Lower Upper

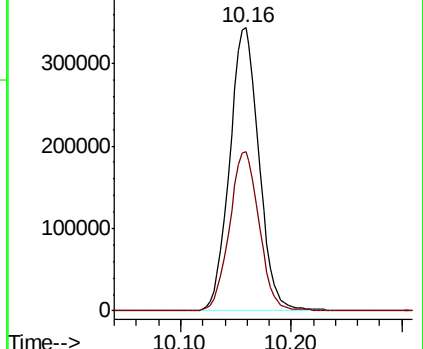
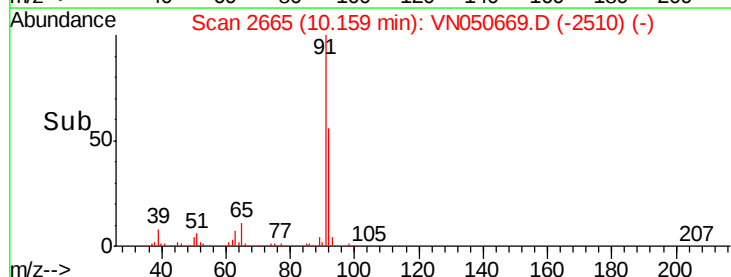
91 100

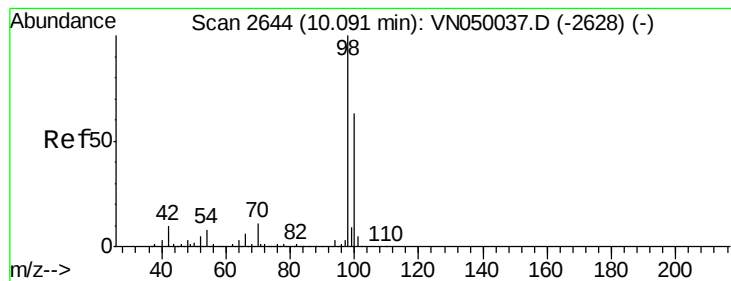
92 56.7 45.7 68.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 30.59 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VN050669.D

Acq: 15 Aug 2018 21:50

Instrument :

MSVOA_N

ClientSampleId :

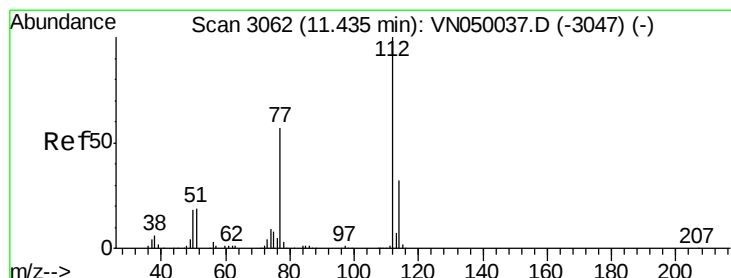
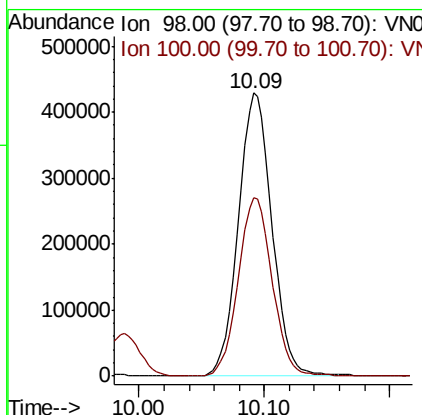
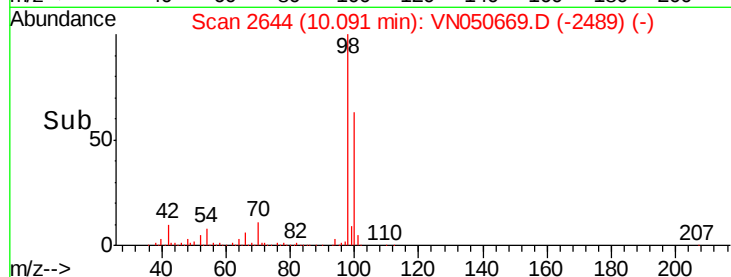
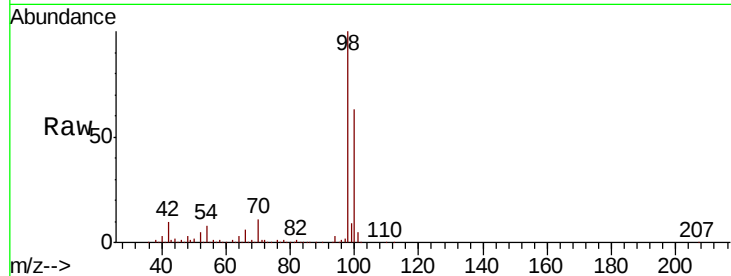
VN0815WBS02

Tot Ion: 98 Resp: 798542

Ion Ratio Lower Upper

98 100

100 63.1 51.2 76.8



#64

Chlorobenzene

Concen: 20.08 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN050669.D

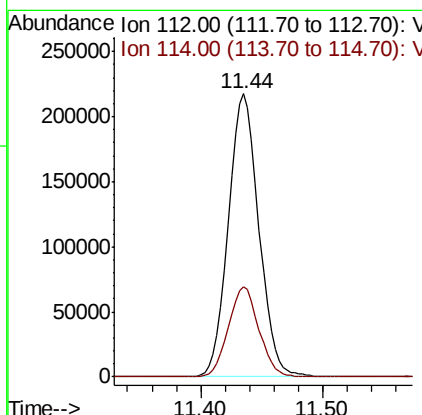
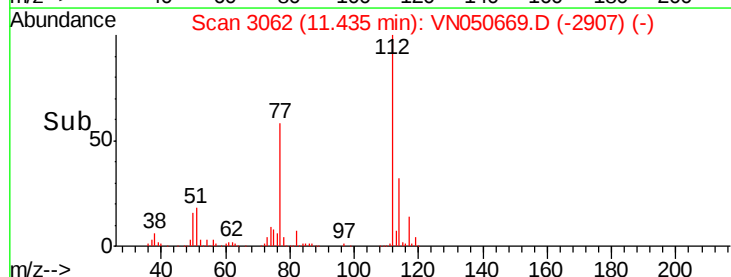
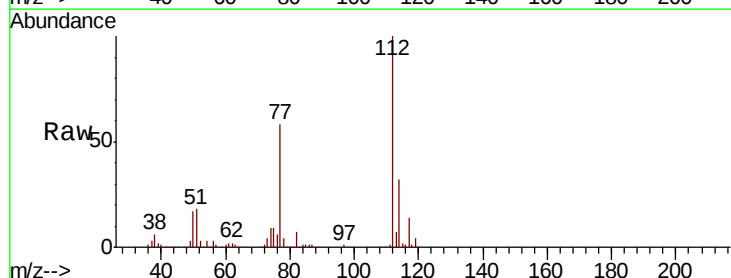
Acq: 15 Aug 2018 21:50

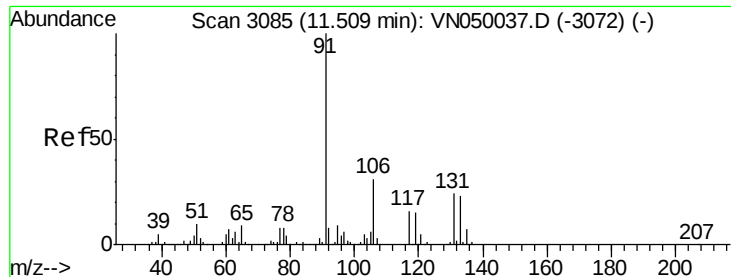
Tgt Ion: 112 Resp: 379780

Ion Ratio Lower Upper

112 100

114 32.0 26.2 39.2





#65

1,1,1,2-Tetrachloroethane

Concen: 20.18 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. -0.00 min

Lab File: VN050669.D

Acq: 15 Aug 2018 21:50

Instrument :

MSVOA_N

ClientSampled :

VN0815WBS02

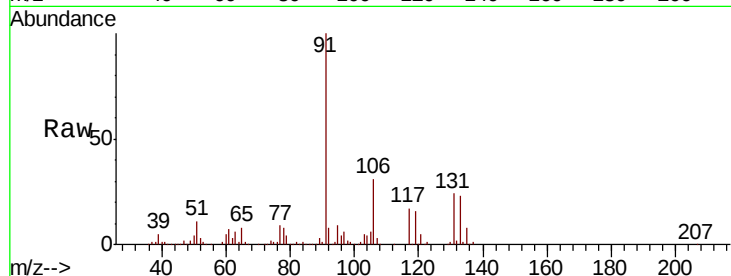
Tot Ion:131 Resp: 148872

Ion Ratio Lower Upper

131 100

133 95.0 0.0 190.0

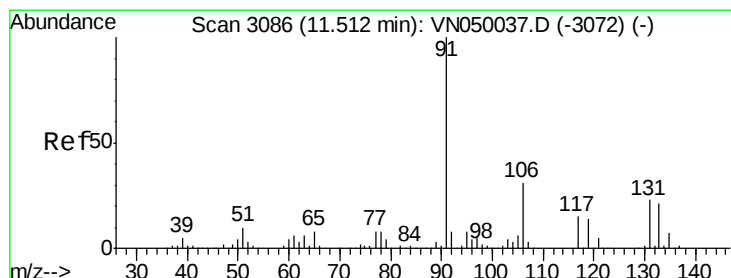
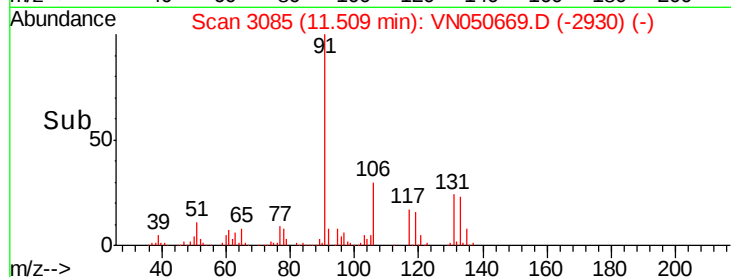
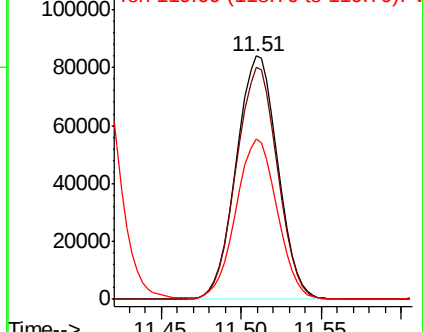
119 65.5 0.0 131.6



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 19.37 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. -0.00 min

Lab File: VN050669.D

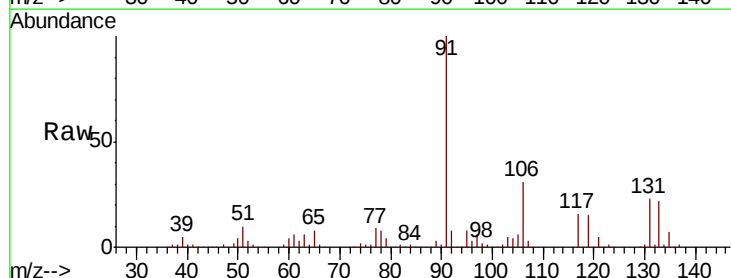
Acq: 15 Aug 2018 21:50

Tgt Ion: 91 Resp: 617309

Ion Ratio Lower Upper

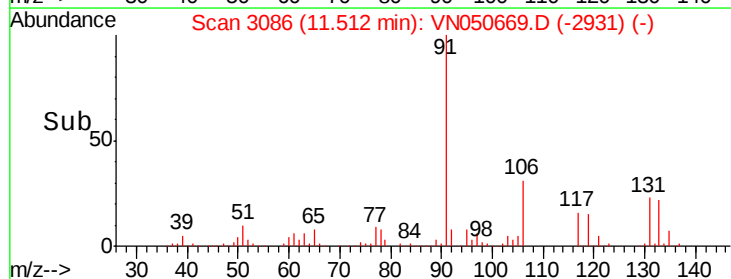
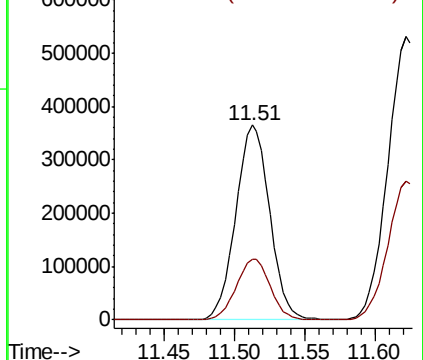
91 100

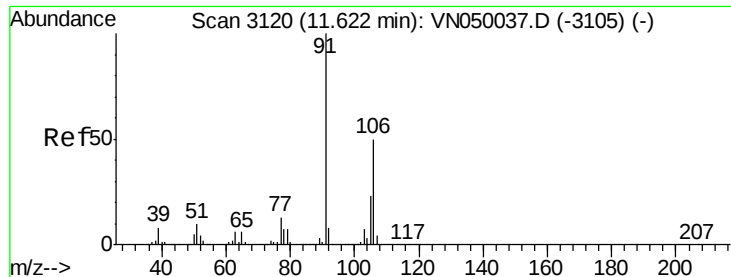
106 31.3 25.1 37.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V





#67

m/p-Xvlenes

Concen: 40.17 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. -0.00 min

Lab File: VN050669.D

Acq: 15 Aug 2018 21:50

Instrument :

MSVOA_N

ClientSampleId :

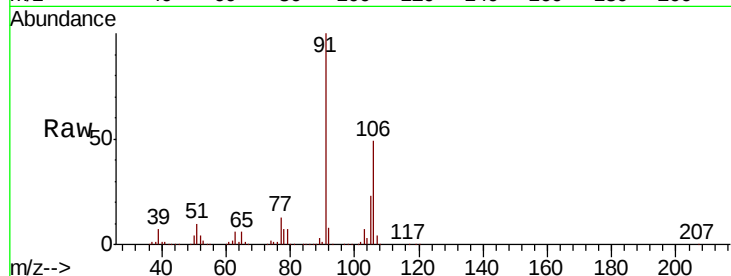
VN0815WBS02

Tot Ion:106 Resp: 492666

Ion Ratio Lower Upper

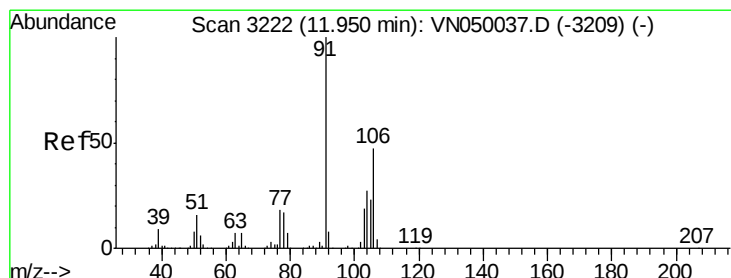
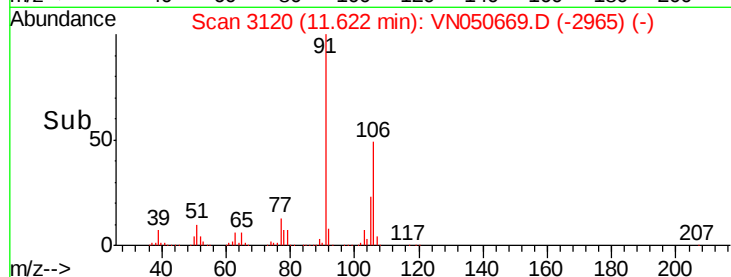
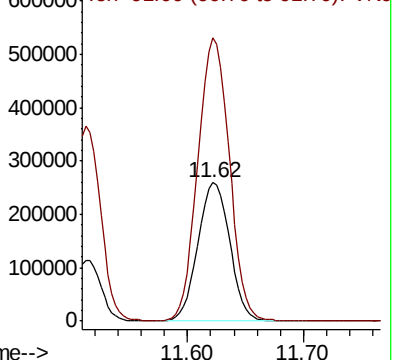
106 100

91 203.0 162.5 243.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#68

o-Xylene

Concen: 19.77 ug/l

RT: 11.95 min Scan# 3222

Delta R.T. -0.00 min

Lab File: VN050669.D

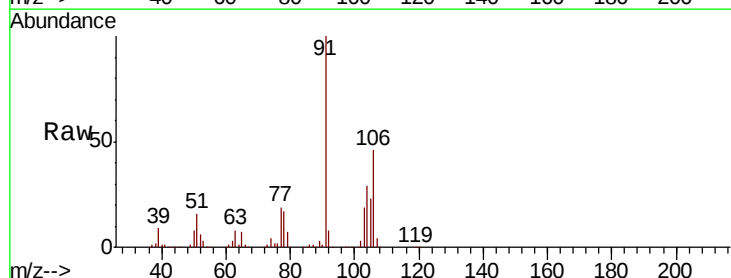
Acq: 15 Aug 2018 21:50

Tgt Ion:106 Resp: 230728

Ion Ratio Lower Upper

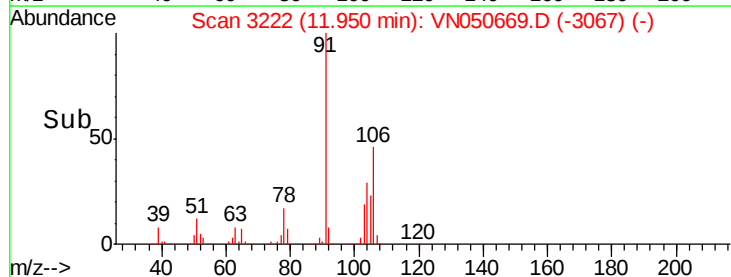
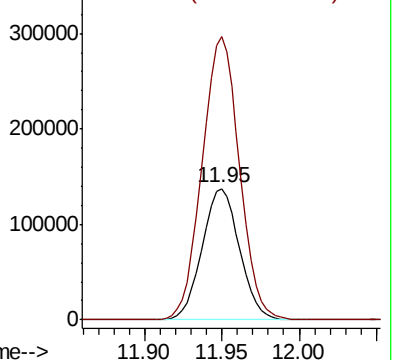
106 100

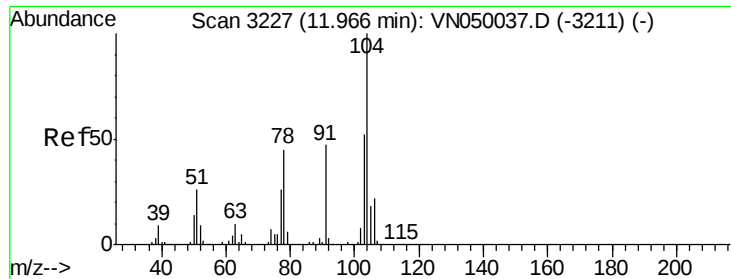
91 215.2 106.8 320.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN

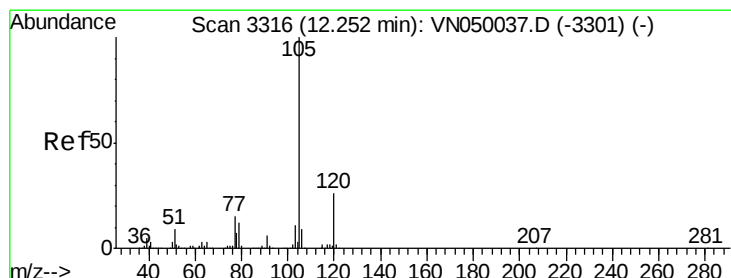
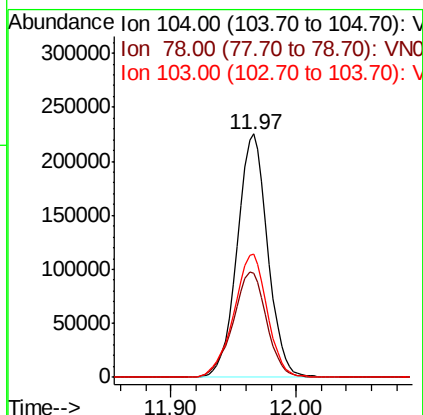
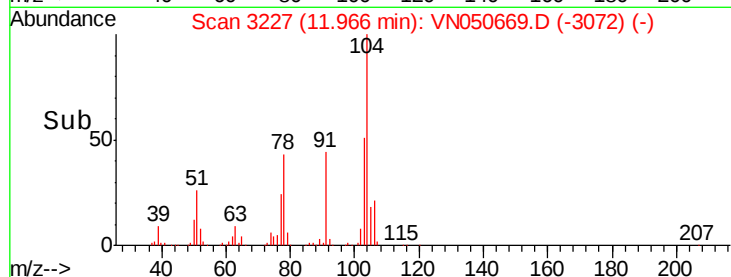
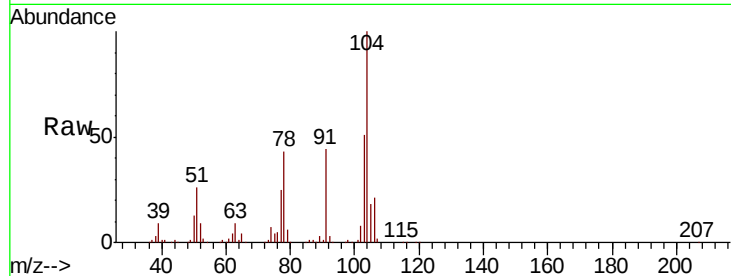




#69
Stvrene
Concen: 20.35 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. -0.00 min
Lab File: VN050669.D
Acq: 15 Aug 2018 21:50

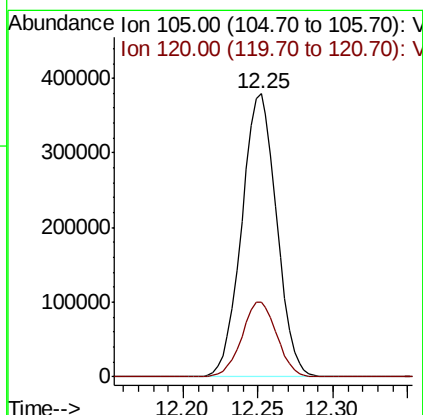
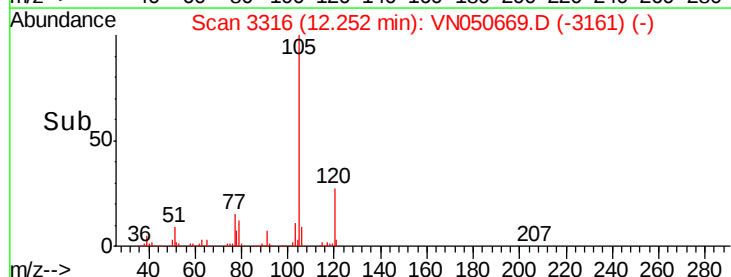
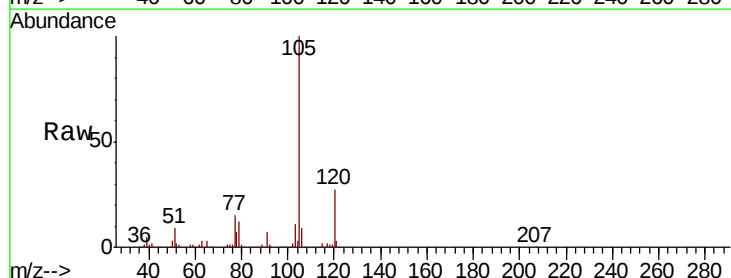
Instrument :
MSVOA_N
ClientSampleId :
VN0815WBS02

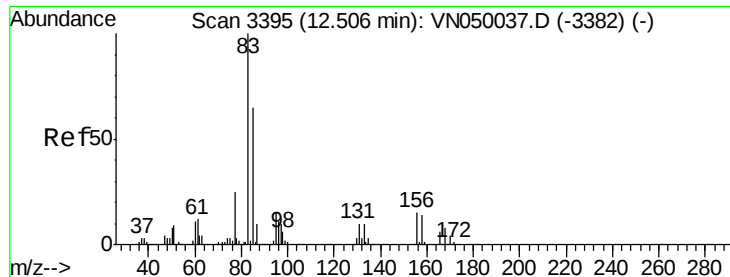
Tot Ion:104 Resp: 380741
Ion Ratio Lower Upper
104 100
78 47.8 39.3 58.9
103 55.4 44.5 66.7



#70
Isopropylbenzene
Concen: 19.82 ug/l
RT: 12.25 min Scan# 3316
Delta R.T. -0.00 min
Lab File: VN050669.D
Acq: 15 Aug 2018 21:50

Tgt Ion:105 Resp: 615851
Ion Ratio Lower Upper
105 100
120 26.6 18.9 35.1





#71

1,1,2,2-Tetrachloroethane

Concen: 20.17 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. -0.00 min

Lab File: VN050669.D

Acq: 15 Aug 2018 21:50

Instrument :

MSVOA_N

ClientSampleId :

VN0815WBS02

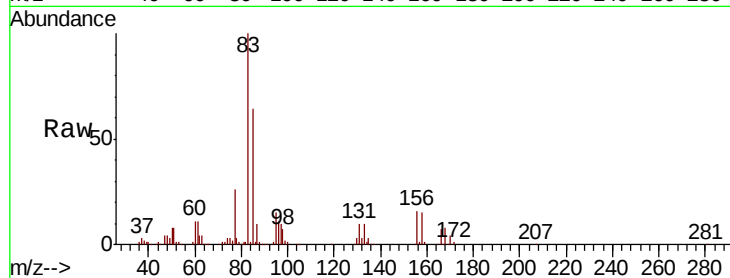
Tot Ion: 83 Resp: 172135

Ion Ratio Lower Upper

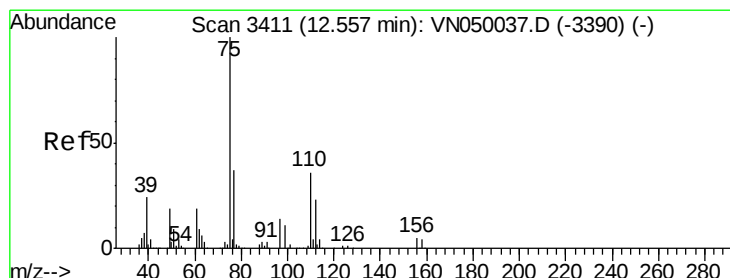
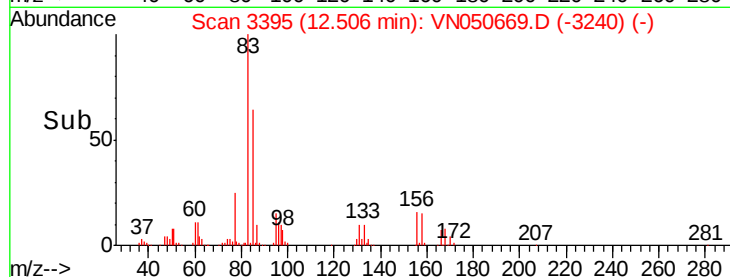
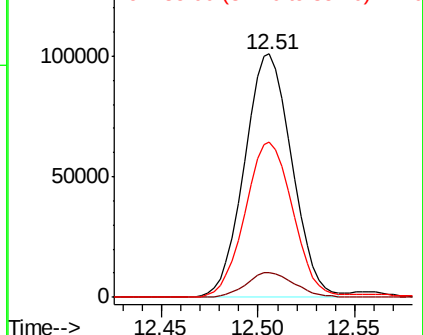
83 100

131 10.4 5.2 15.6

85 64.3 31.7 95.1



Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 131.00 (130.70 to 131.70): V
Ion 85.00 (84.70 to 85.70): VN0



#72

1,2,3-Trichloropropane

Concen: 26.54 ug/l

RT: 12.56 min Scan# 3411

Delta R.T. -0.00 min

Lab File: VN050669.D

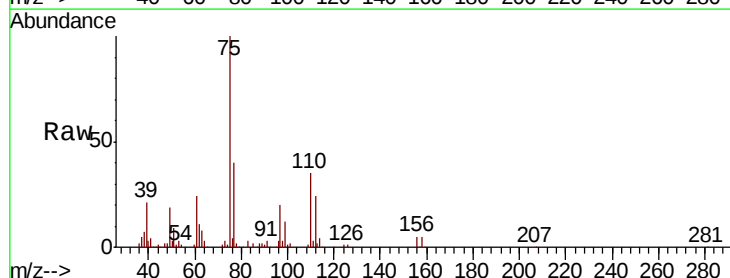
Acq: 15 Aug 2018 21:50

Tgt Ion: 75 Resp: 193383

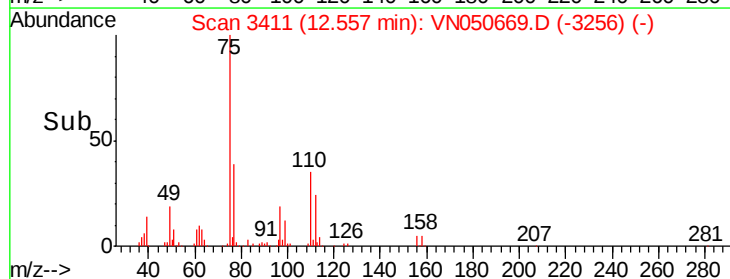
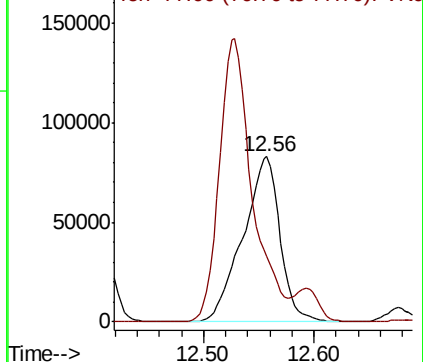
Ion Ratio Lower Upper

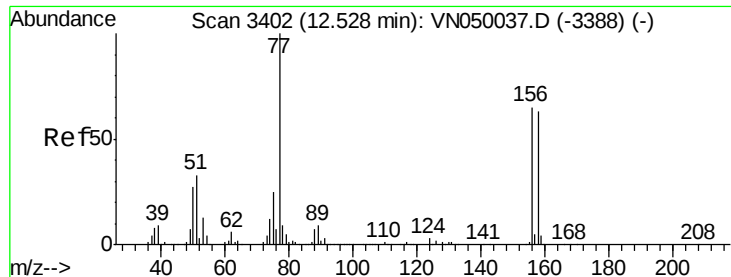
75 100

77 151.6 0.0 454.4



Abundance Ion 75.00 (74.70 to 75.70): VN0
Ion 77.00 (76.70 to 77.70): VN0





#73

Bromobenzene

Concen: 19.61 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. -0.00 min

Lab File: VN050669.D

Acq: 15 Aug 2018 21:50

Instrument :

MSVOA_N

ClientSampleId :

VN0815WBS02

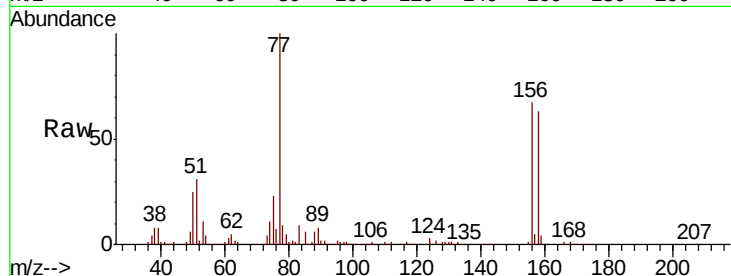
Tot Ion:156 Resp: 162303

Ion Ratio Lower Upper

156 100

77 180.6 0.0 359.8

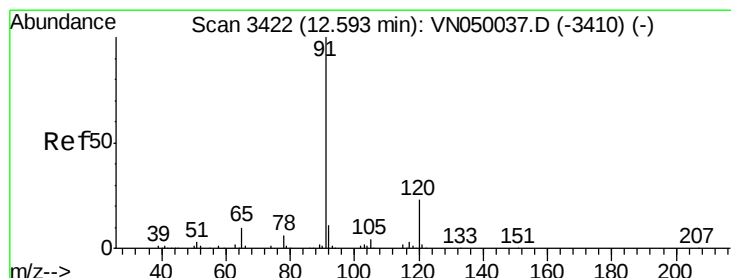
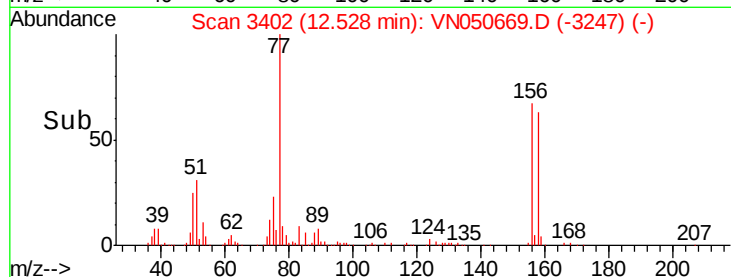
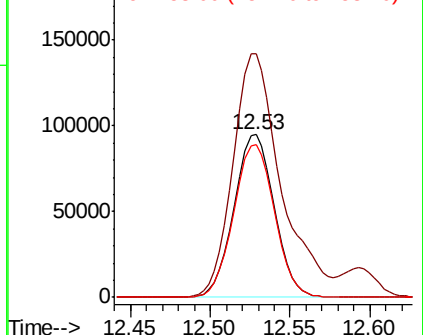
158 95.8 0.0 192.8



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 19.08 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. -0.00 min

Lab File: VN050669.D

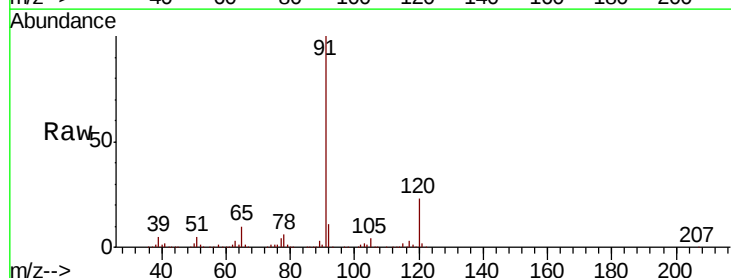
Acq: 15 Aug 2018 21:50

Tgt Ion: 91 Resp: 690628

Ion Ratio Lower Upper

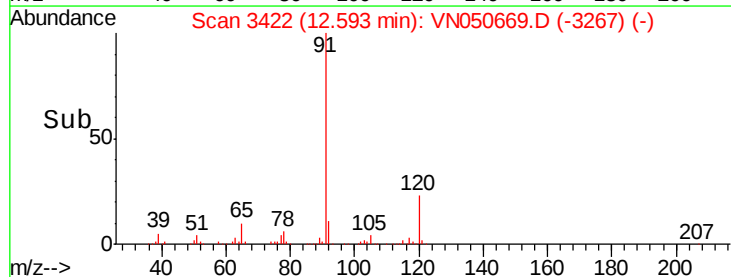
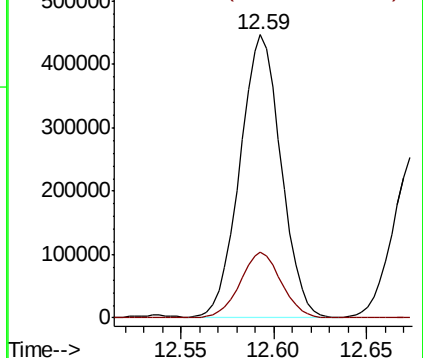
91 100

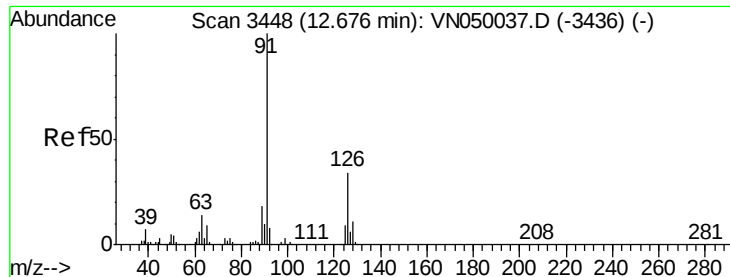
120 23.1 0.0 46.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 19.98 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. -0.00 min

Lab File: VN050669.D

Acq: 15 Aug 2018 21:50

Instrument :

MSVOA_N

ClientSampleId :

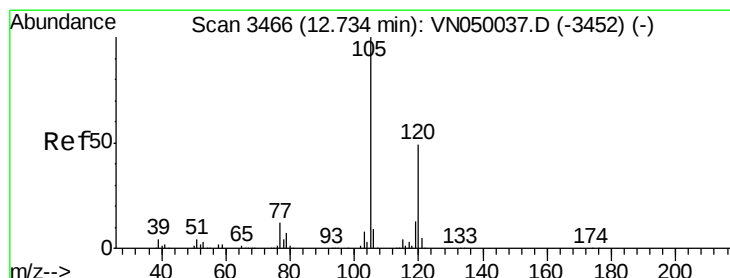
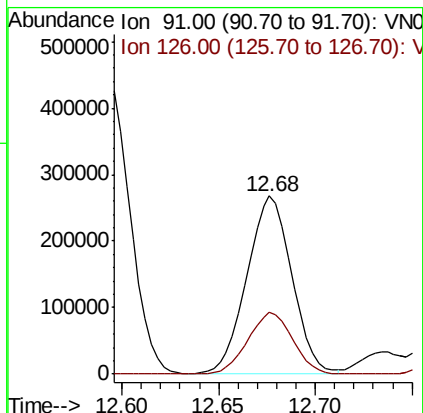
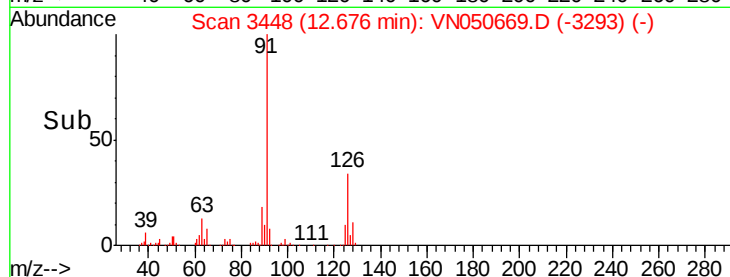
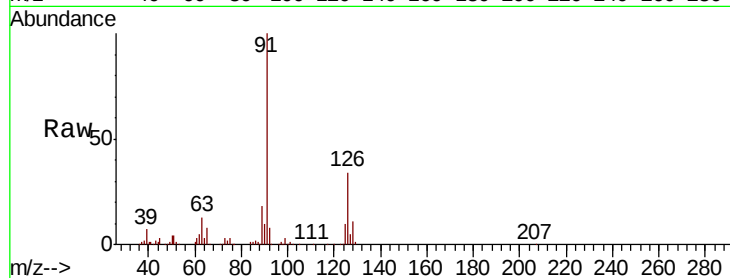
VN0815WBS02

Tot Ion: 91 Resp: 434445

Ion Ratio Lower Upper

91 100

126 34.7 0.0 68.6



#76

1,3,5-Trimethylbenzene

Concen: 19.92 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. -0.00 min

Lab File: VN050669.D

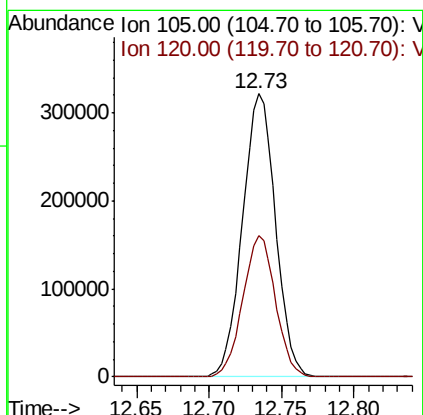
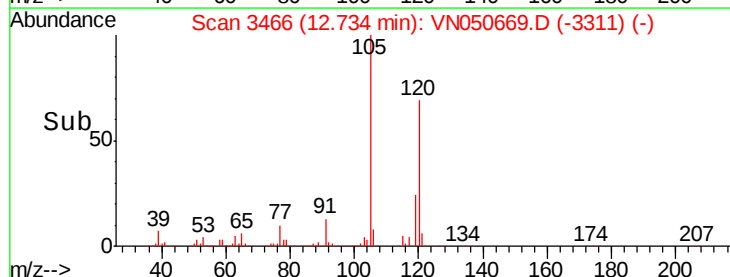
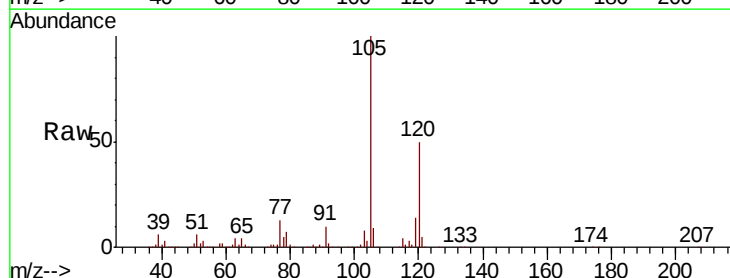
Acq: 15 Aug 2018 21:50

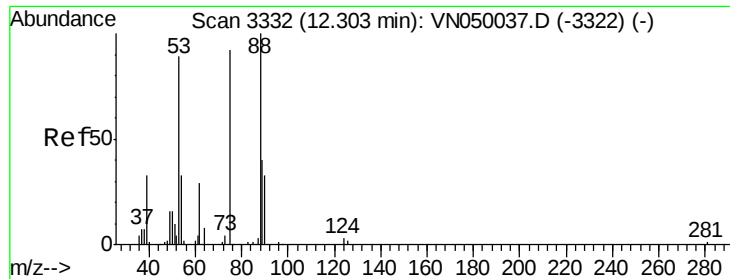
Tgt Ion: 105 Resp: 508413

Ion Ratio Lower Upper

105 100

120 49.4 0.0 98.0

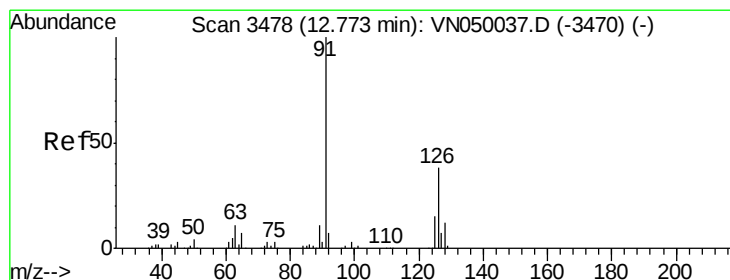
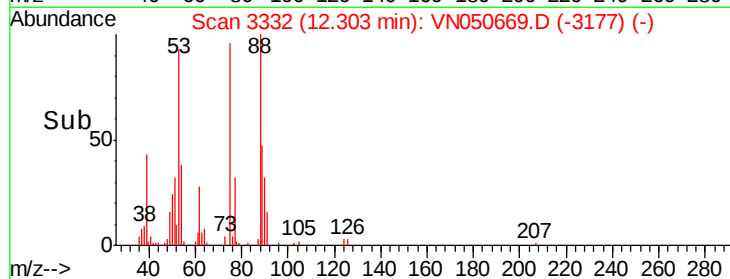
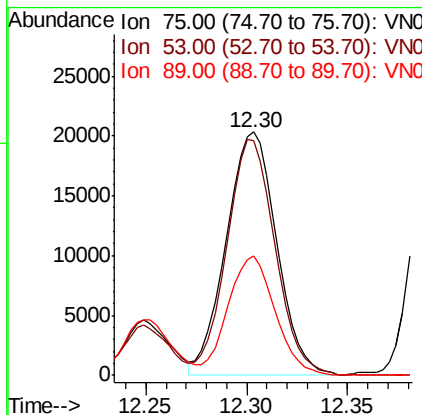
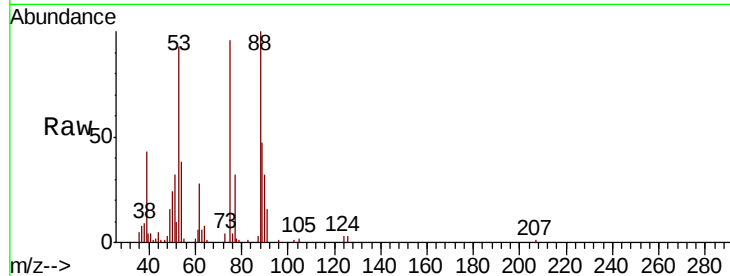




#77
t-1,4-Dichloro-2-butene
Concen: 14.96 ug/l
RT: 12.30 min Scan# 3332
Delta R.T. -0.00 min
Lab File: VN050669.D
Acq: 15 Aug 2018 21:50

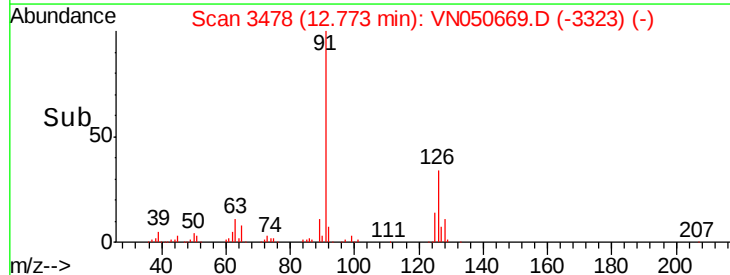
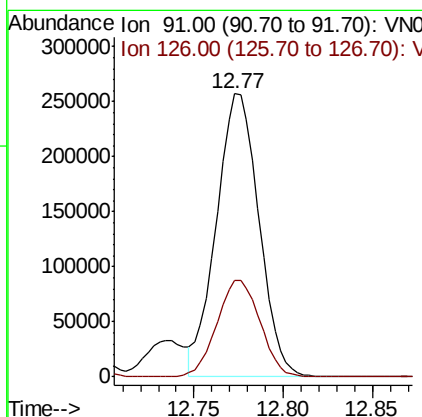
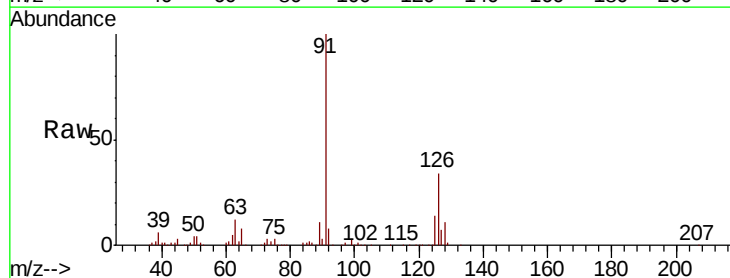
Instrument :
MSVOA_N
ClientSampleId :
VN0815WBS02

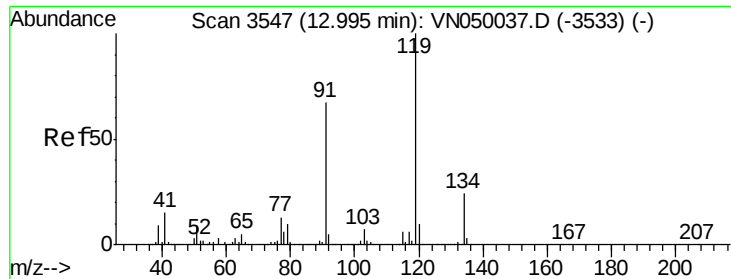
Tot Ion: 75 Resp: 35646
Ion Ratio Lower Upper
75 100
53 96.4 44.6 134.0
89 49.1 20.7 62.1



#78
4-Chlorotoluene
Concen: 19.69 ug/l
RT: 12.77 min Scan# 3478
Delta R.T. -0.00 min
Lab File: VN050669.D
Acq: 15 Aug 2018 21:50

Tgt Ion: 91 Resp: 424063
Ion Ratio Lower Upper
91 100
126 34.5 0.0 68.4

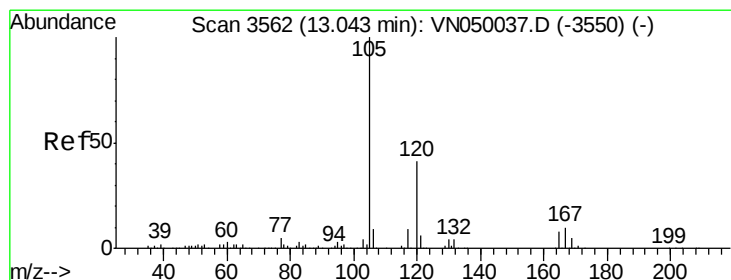
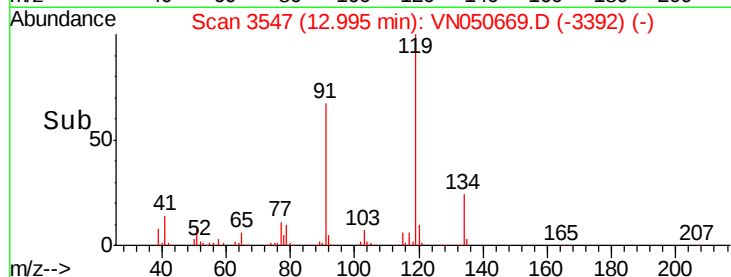
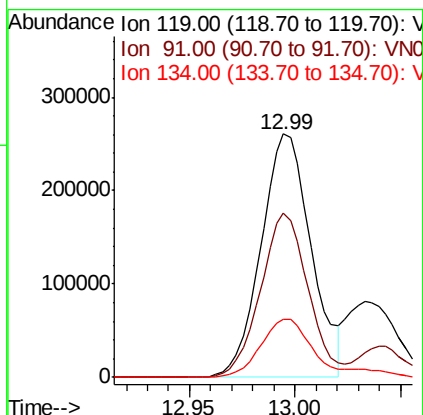
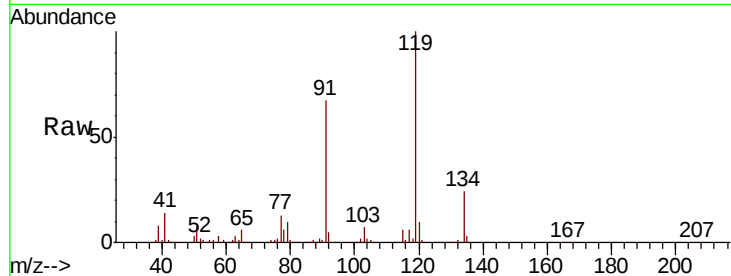




#79
 tert-butylbenzene
 Concen: 19.76 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN050669.D
 Acq: 15 Aug 2018 21:50

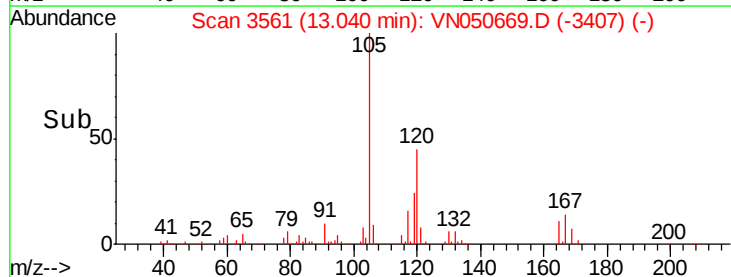
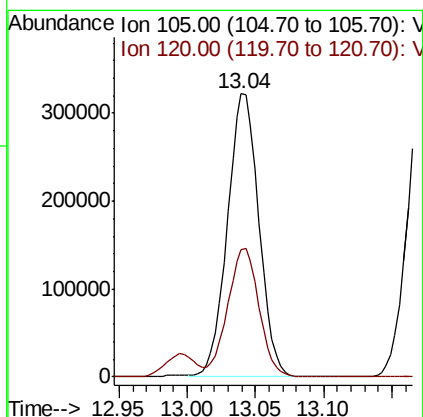
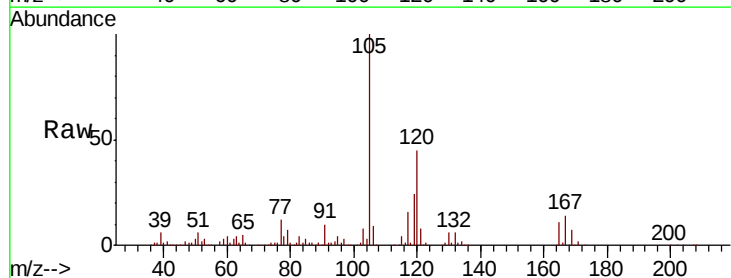
Instrument :
 MSVOA_N
 ClientSampled :
 VN0815WBS02

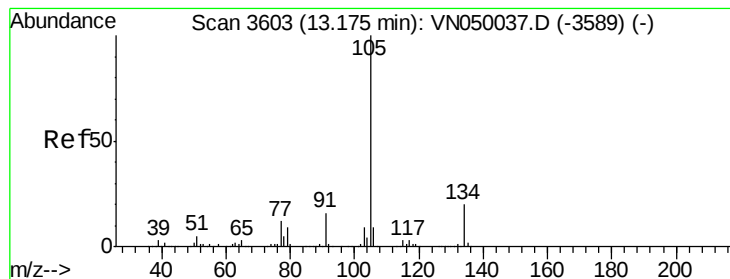
Tot Ion:119 Resp: 431190
 Ion Ratio Lower Upper
 119 100
 91 64.1 0.0 126.8
 134 24.0 0.0 47.4



#80
 1,2,4-Trimethylbenzene
 Concen: 19.91 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. -0.00 min
 Lab File: VN050669.D
 Acq: 15 Aug 2018 21:50

Tgt Ion:105 Resp: 514819
 Ion Ratio Lower Upper
 105 100
 120 45.4 0.0 90.6





#81

sec-Butylbenzene

Concen: 19.17 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. -0.00 min

Lab File: VN050669.D

Acq: 15 Aug 2018 21:50

Instrument :

MSVOA_N

ClientSampleId :

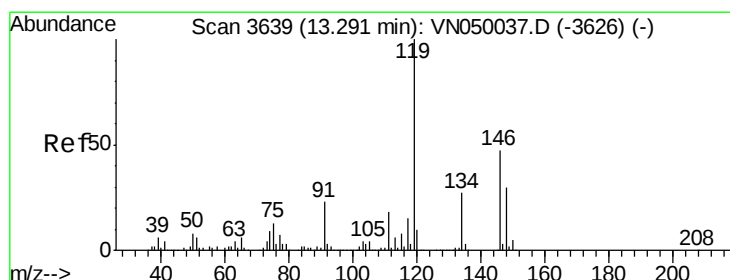
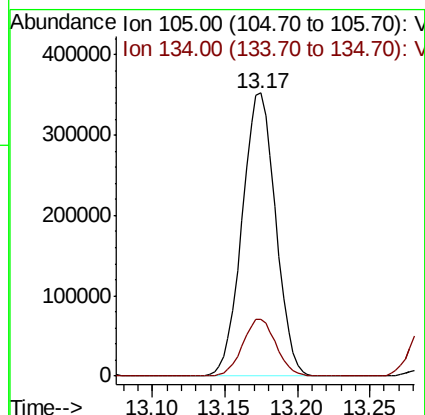
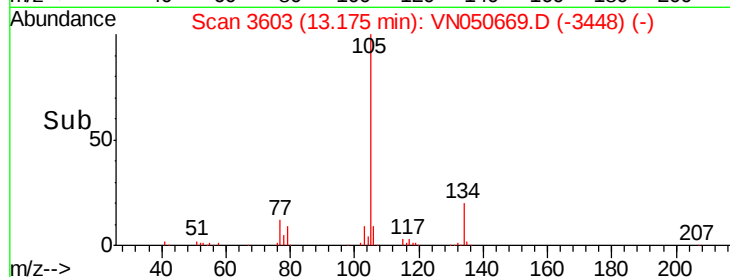
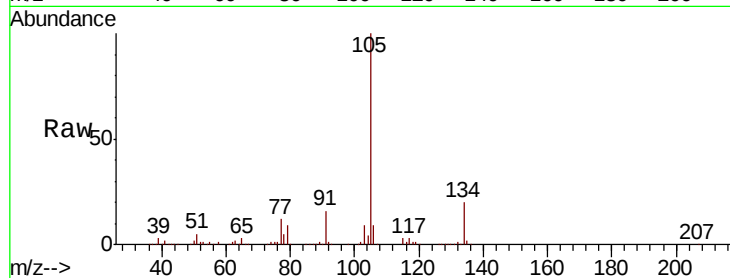
VN0815WBS02

Tot Ion:105 Resp: 568424

Ion Ratio Lower Upper

105 100

134 20.0 0.0 40.6



#82

p-Isopropyltoluene

Concen: 19.09 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. -0.00 min

Lab File: VN050669.D

Acq: 15 Aug 2018 21:50

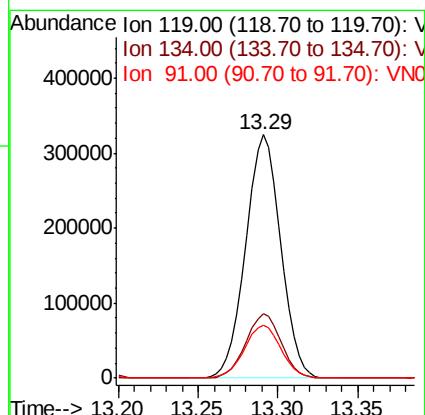
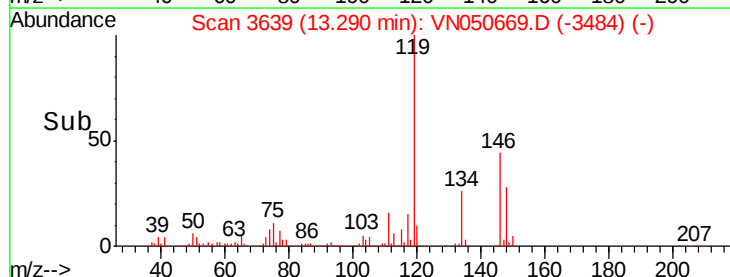
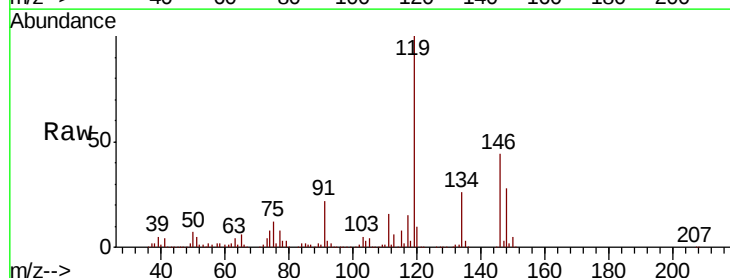
Tgt Ion:119 Resp: 482897

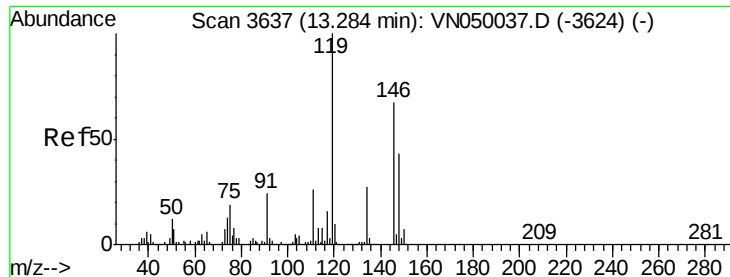
Ion Ratio Lower Upper

119 100

134 26.7 0.0 52.2

91 22.6 0.0 45.6





#83

1,3-Dichlorobenzene

Concen: 19.18 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. -0.00 min

Lab File: VN050669.D

Acq: 15 Aug 2018 21:50

Instrument :

MSVOA_N

ClientSampleId :

VN0815WBS02

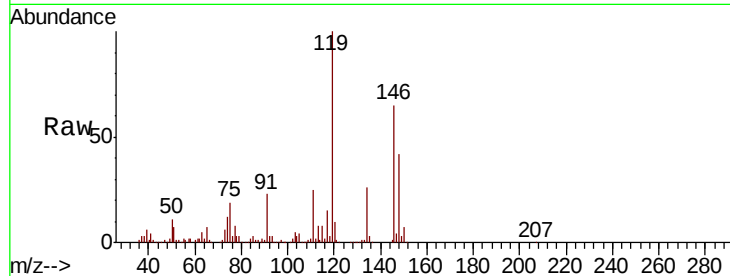
Tot Ion:146 Resp: 276440

Ion Ratio Lower Upper

146 100

111 38.2 19.1 57.1

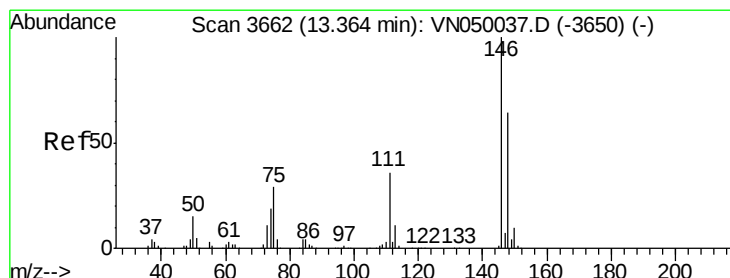
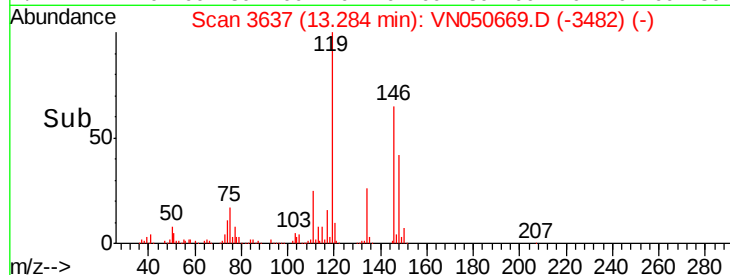
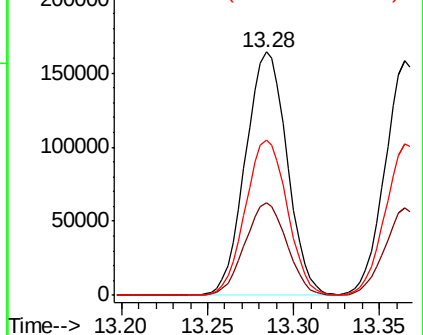
148 64.2 31.9 95.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#84

1,4-Dichlorobenzene

Concen: 19.00 ug/l

RT: 13.36 min Scan# 3662

Delta R.T. -0.00 min

Lab File: VN050669.D

Acq: 15 Aug 2018 21:50

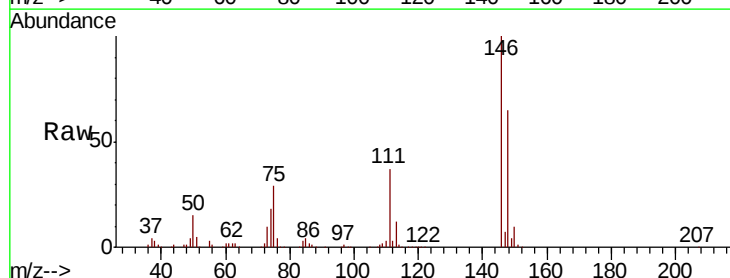
Tgt Ion:146 Resp: 258786

Ion Ratio Lower Upper

146 100

111 36.6 17.9 53.8

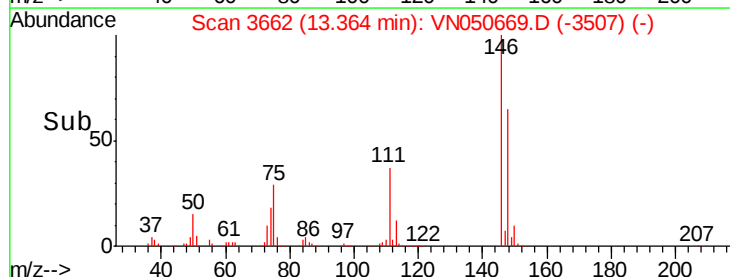
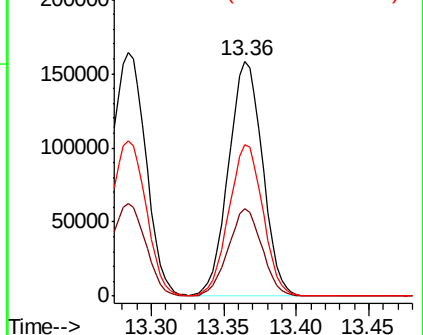
148 64.5 32.4 97.0

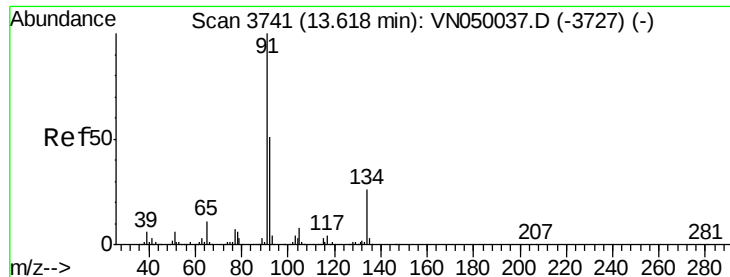


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

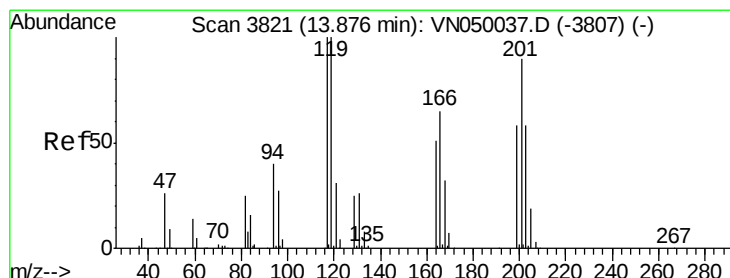
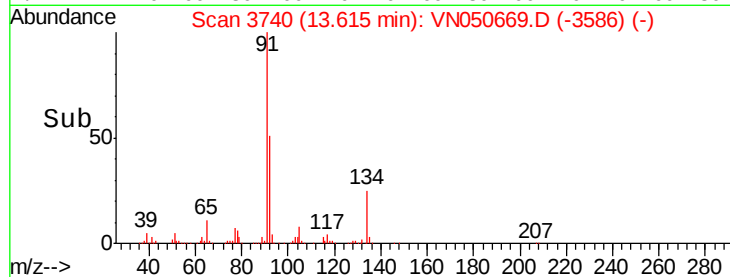
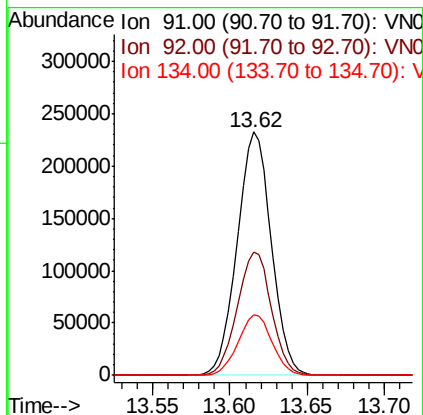
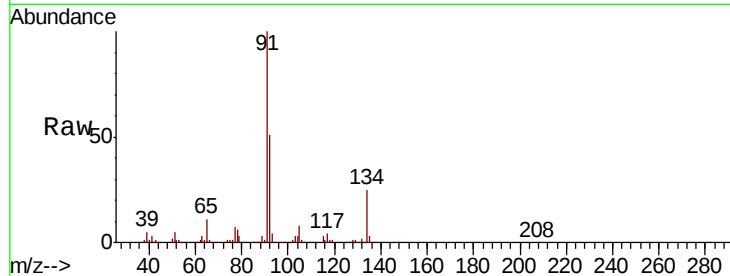




#85
n-Butylbenzene
Concen: 17.35 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. -0.00 min
Lab File: VN050669.D
Acq: 15 Aug 2018 21:50

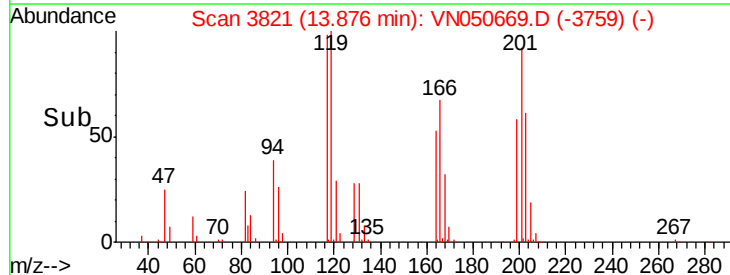
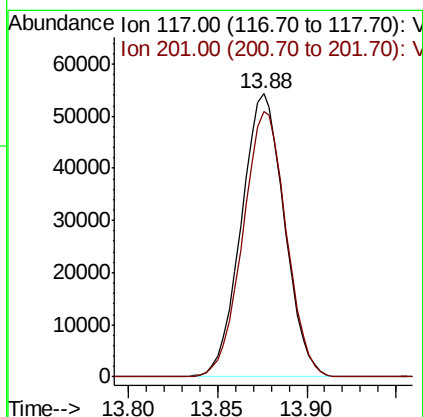
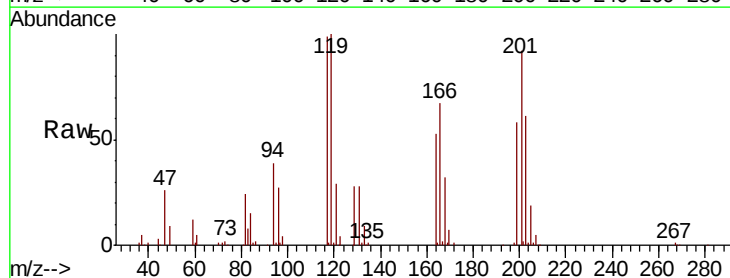
Instrument :
MSVOA_N
ClientSampleId :
VN0815WBS02

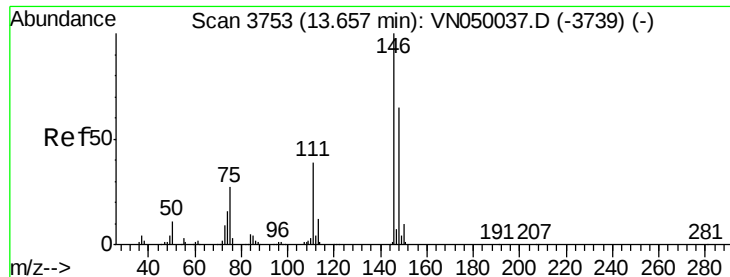
Tot Ion: 91 Resp: 356209
Ion Ratio Lower Upper
91 100
92 50.5 0.0 102.8
134 24.8 0.0 51.0



#86
Hexachloroethane
Concen: 18.19 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. -0.00 min
Lab File: VN050669.D
Acq: 15 Aug 2018 21:50

Tgt Ion: 117 Resp: 91943
Ion Ratio Lower Upper
117 100
201 93.8 46.6 139.7





#87

1,2-Dichlorobenzene

Concen: 19.44 ug/l

RT: 13.65 min Scan# 3752

Delta R.T. -0.00 min

Lab File: VN050669.D

Acq: 15 Aug 2018 21:50

Instrument :

MSVOA_N

ClientSampleId :

VN0815WBS02

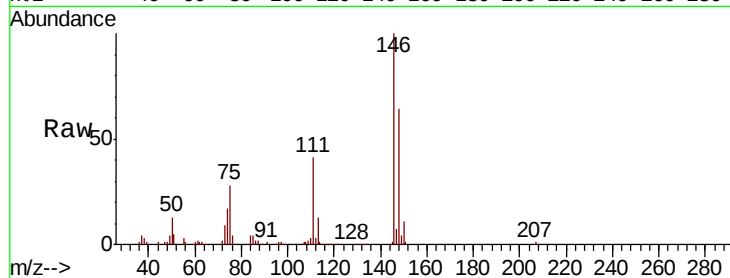
Tot Ion:146 Resp: 273845

Ion Ratio Lower Upper

146 100

111 39.6 19.8 59.3

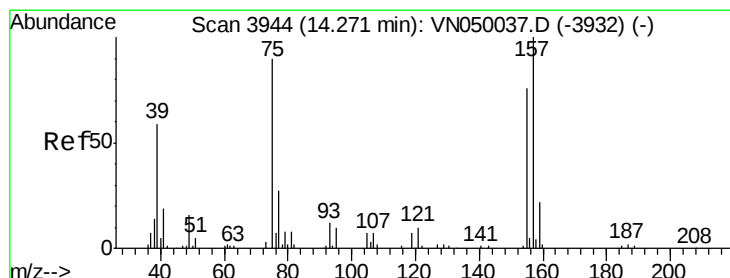
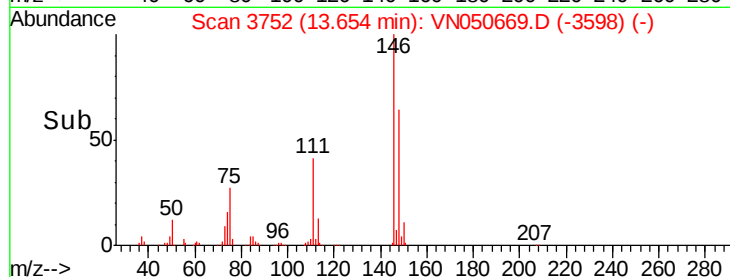
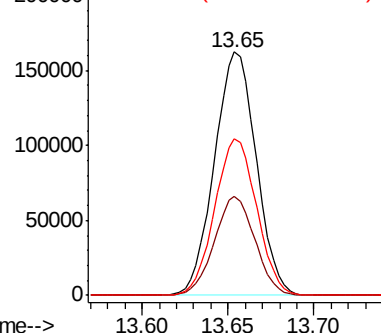
148 64.6 31.8 95.3



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,2-Dibromo-3-Chloropropane

Concen: 17.78 ug/l

RT: 14.27 min Scan# 3944

Delta R.T. -0.00 min

Lab File: VN050669.D

Acq: 15 Aug 2018 21:50

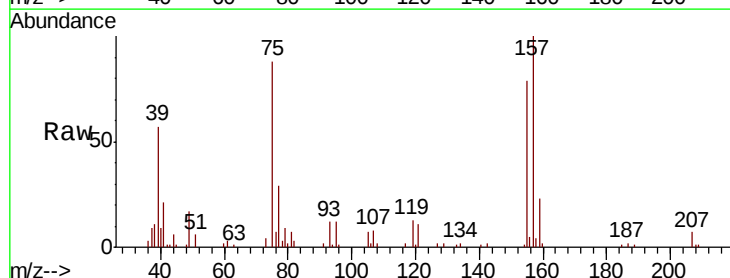
Tgt Ion: 75 Resp: 23630

Ion Ratio Lower Upper

75 100

155 91.5 73.0 109.6

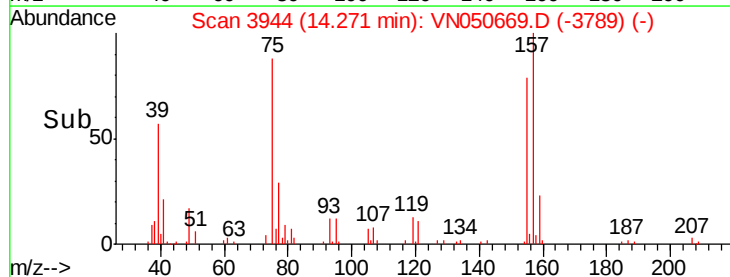
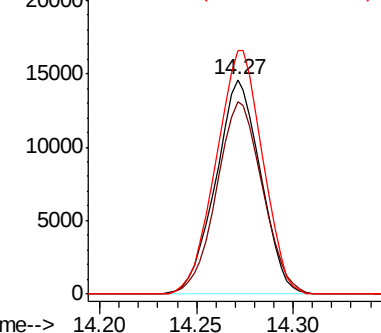
157 117.3 94.9 142.3

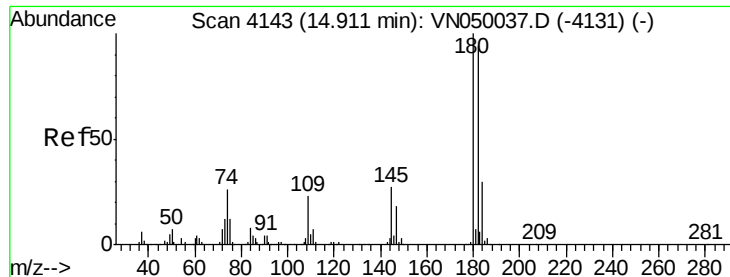


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

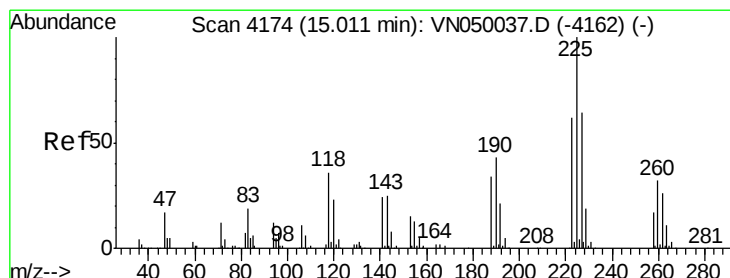
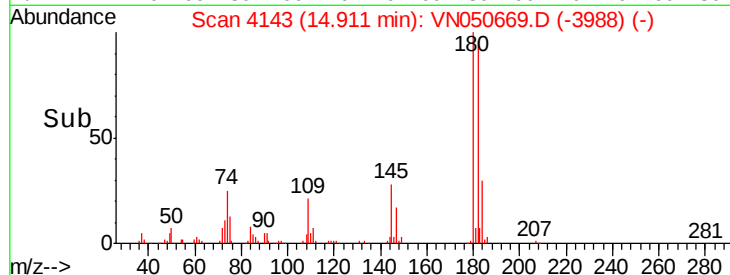
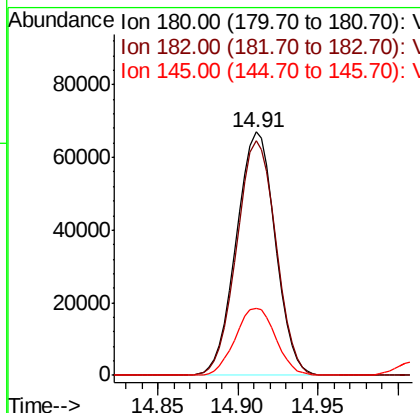
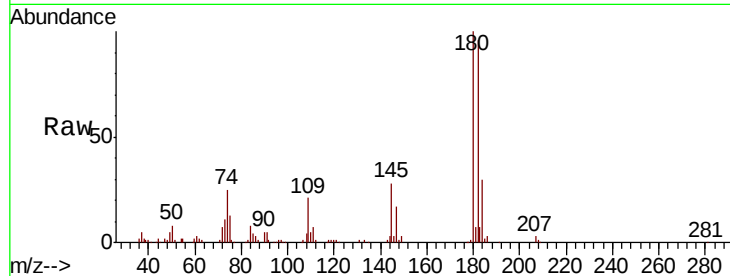




#89
 1,2,4-Trichlorobenzene
 Concen: 16.51 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. -0.00 min
 Lab File: VN050669.D
 Acq: 15 Aug 2018 21:50

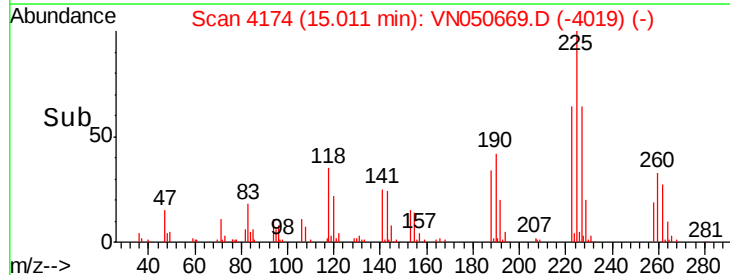
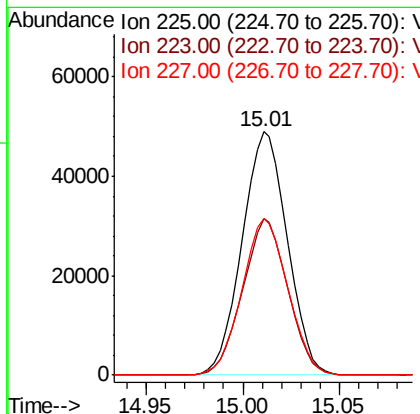
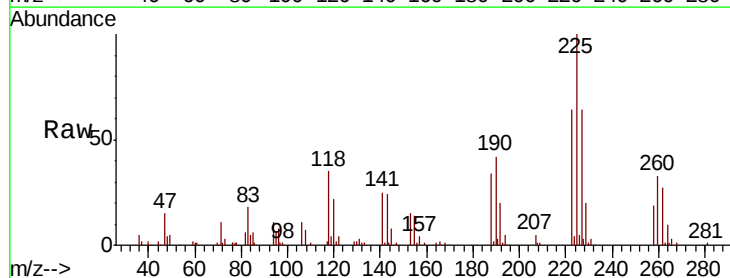
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0815WBS02

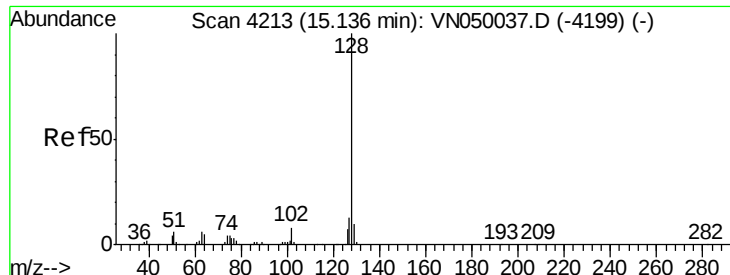
Tot Ion:180 Resp: 111125
 Ion Ratio Lower Upper
 180 100
 182 96.8 76.7 115.1
 145 28.6 23.4 35.0



#90
 Hexachlorobutadiene
 Concen: 17.92 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. -0.00 min
 Lab File: VN050669.D
 Acq: 15 Aug 2018 21:50

Tgt Ion:225 Resp: 79531
 Ion Ratio Lower Upper
 225 100
 223 63.8 0.0 124.4
 227 64.9 0.0 133.0

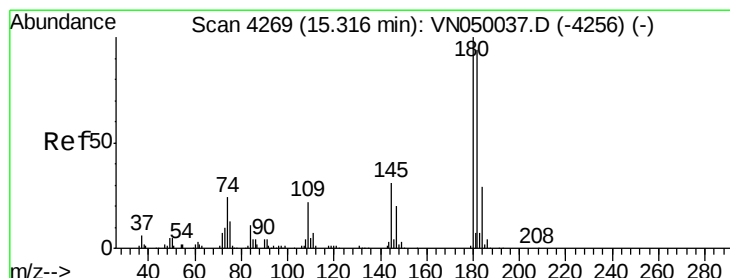
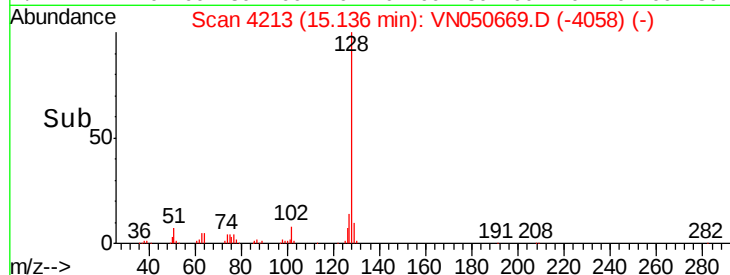
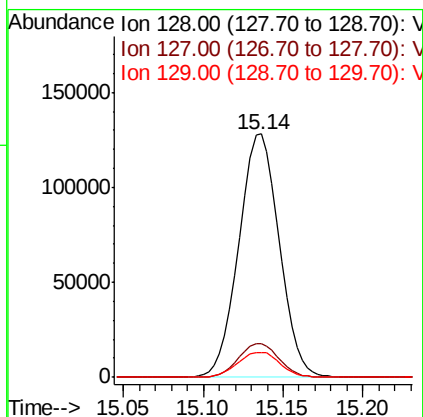
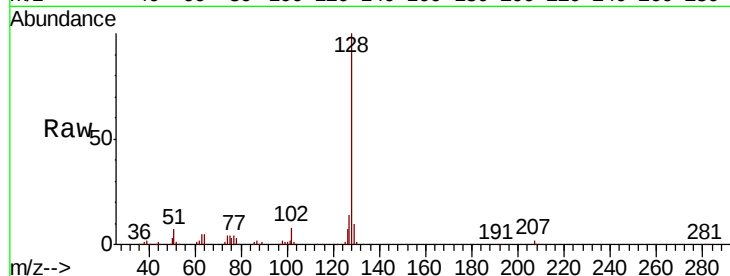




#91
Naphthalene
Concen: 18.12 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. -0.00 min
Lab File: VN050669.D
Acq: 15 Aug 2018 21:50

Instrument :
MSVOA_N
ClientSampleId :
VN0815WBS02

Tot Ion:128	Resp:	221005
Ion	Ratio	Lower Upper
128	100	
127	13.9	10.2 15.4
129	10.8	9.0 13.4



#92
1,2,3-Trichlorobenzene
Concen: 16.87 ug/l
RT: 15.32 min Scan# 4269
Delta R.T. -0.00 min
Lab File: VN050669.D
Acq: 15 Aug 2018 21:50

Tgt Ion:180	Resp:	115479
Ion	Ratio	Lower Upper
180	100	
182	98.3	0.0 188.8
145	30.0	0.0 60.8

