

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081518\
 Data File : VN050670.D
 Acq On : 15 Aug 2018 22:14
 Operator : MD\SY
 Sample : VN0815WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0815WBSD02

Quant Time: Aug 16 04:23:54 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	121517	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	639682	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	553365	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	243946	29.53	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.43%
60) 4-Bromofluorobenzene	12.40	95	250050	29.41	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.03%
63) Toluene-d8	10.09	98	813626	30.78	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.60%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.85	85	132994	15.88	ug/l	94
3) Chloromethane	2.06	50	170895	19.79	ug/l	98
4) Vinyl Chloride	2.18	62	179997	19.58	ug/l	99
5) Bromomethane	2.56	94	101631	18.14	ug/l	99
6) Chloroethane	2.70	64	109491	20.14	ug/l	100
7) Trichlorofluoromethane	3.01	101	239433	19.93	ug/l	97
8) Diethyl Ether	3.41	74	82698	20.53	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.76	101	148031	20.26	ug/l	100
10) 1,1-Dichloroethene	3.74	96	132140	20.40	ug/l	93
11) Methyl Iodide	3.95	142	84060	8.82	ug/l	97
12) Methyl Acetate	4.33	43	129980	17.51	ug/l	99
13) Acrolein	3.61	56	15066	32.85	ug/l	93
14) Acrylonitrile	4.99	53	248359	100.29	ug/l	99
15) Acetone	3.82	58	75701	115.02	ug/l	89
16) Carbon Disulfide	4.05	76	404580	20.41	ug/l	99
17) Allyl chloride	4.32	41	197408	19.29	ug/l	97
18) Methylene Chloride	4.55	84	157020	21.00	ug/l	97
19) trans-1,2-Dichloroethene	5.04	96	146833	21.17	ug/l	97
20) Diisopropyl ether	5.96	45	458239	21.84	ug/l	98
21) 1,1-Dichloroethane	5.85	63	271262	20.56	ug/l	98
22) cis-1,2-Dichloroethene	6.83	96	161717	21.02	ug/l	97
23) tert-Butyl Alcohol	4.80	59	51199	92.52	ug/l	# 100
24) Methyl tert-Butyl Ether	5.05	73	364000	20.60	ug/l	99
25) Chloroform	7.37	83	278060	20.82	ug/l	99
26) Cyclohexane	7.65	56	219242	20.91	ug/l	# 98
29) 1,1-Dichloropropene	7.80	75	203103	20.46	ug/l	99
30) 2-Butanone	6.84	43	353679	113.53	ug/l	98
31) 2,2-Dichloropropane	6.83	77	168501	15.36	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	236980	20.28	ug/l	99
33) Carbon Tetrachloride	7.78	117	207925	19.96	ug/l	99
34) Benzene	8.04	78	626712	20.79	ug/l	99
35) Methacrylonitrile	7.17	41	64532	18.19	ug/l	99
36) 1,2-Dichloroethane	8.13	62	196611	19.86	ug/l	99
37) Trichloroethene	8.84	130	158212	20.01	ug/l	100
38) Methylcyclohexane	9.08	83	201461	19.25	ug/l	100
39) 1,2-Dichloropropane	9.12	63	165170	20.80	ug/l	98
40) Dibromomethane	9.21	93	98194	20.00	ug/l	99

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Instrument :
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 ClientSampleId :
 VN0815WBSD02

Quant Time: Aug 16 04:23:54 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)
41) Bromodichloromethane	9.40	83	208277	20.12	ug/l	96
42) Vinyl Acetate	5.90	43	1495942	102.05	ug/l	100
43) Ethyl Acetate	6.93	43	133437	20.51	ug/l	98
44) Isopropyl Acetate	8.17	43	227824	18.91	ug/l	100
45) 1,4-Dioxane	9.20	88	29179	367.98	ug/l	91
46) Methyl methacrylate	9.20	41	105183	18.01	ug/l	97
47) n-amyl Acetate	12.07	43	175011	18.66	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	189346	19.19	ug/l	98
49) cis-1,3-Dichloropropene	9.84	75	225129	19.41	ug/l	97
50) 1,1,2-Trichloroethane	10.56	97	142812	20.27	ug/l	98
51) Ethyl methacrylate	10.43	69	165635	19.37	ug/l	97
52) 1,3-Dichloropropane	10.71	76	231132	19.98	ug/l	100
53) Dibromochloromethane	10.90	129	155883	19.49	ug/l	99
54) 1,2-Dibromoethane	11.01	107	134794	19.53	ug/l	100
55) 2-Chloroethyl vinyl ether	9.70	63	389851	100.72	ug/l	99
56) Bromoform	12.13	173	105279	18.65	ug/l	99
58) 4-Methyl-2-Pentanone	9.99	43	808313	125.54	ug/l	99
59) 2-Hexanone	10.75	43	516211	117.51	ug/l	100
61) Tetrachloroethene	10.63	164	154956	20.67	ug/l	99
62) Toluene	10.16	91	659839	20.90	ug/l	100
64) Chlorobenzene	11.44	112	400434	20.92	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	155050	20.76	ug/l	99
66) Ethyl Benzene	11.51	91	653735	20.26	ug/l	99
67) m/p-Xylenes	11.62	106	518925	41.79	ug/l	100
68) o-Xylene	11.95	106	243354	20.60	ug/l	99
69) Styrene	11.97	104	396943	20.96	ug/l	99
70) Isopropylbenzene	12.25	105	646704	20.55	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.51	83	175850	20.36	ug/l	97
72) 1,2,3-Trichloropropane	12.55	75	201534	27.32	ug/l	54
73) Bromobenzene	12.53	156	169081	20.17	ug/l	99
74) n-propylbenzene	12.59	91	737569	20.13	ug/l	99
75) 2-Chlorotoluene	12.68	91	453342	20.60	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	538083	20.82	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	36458	15.11	ug/l	92
78) 4-Chlorotoluene	12.77	91	444811	20.39	ug/l	98
79) tert-butylbenzene	12.99	119	440249	19.93	ug/l	97
80) 1,2,4-Trimethylbenzene	13.04	105	542670	20.73	ug/l	99
81) sec-Butylbenzene	13.17	105	592747	19.75	ug/l	99
82) p-Isopropyltoluene	13.29	119	510535	19.94	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	290535	19.91	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	270932	19.65	ug/l	99
85) n-Butylbenzene	13.62	91	376048	18.09	ug/l	99
86) Hexachloroethane	13.88	117	93561	18.28	ug/l	99
87) 1,2-Dichlorobenzene	13.65	146	290817	20.39	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	24625	18.30	ug/l	99
89) 1,2,4-Trichlorobenzene	14.91	180	121556	17.84	ug/l	99
90) Hexachlorobutadiene	15.01	225	85419	19.01	ug/l	97
91) Naphthalene	15.14	128	250044	19.35	ug/l	99
92) 1,2,3-Trichlorobenzene	15.32	180	125639	18.13	ug/l	99

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ALS Vial : 35 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0815WBSD02

Quant Time: Aug 16 04:23:54 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

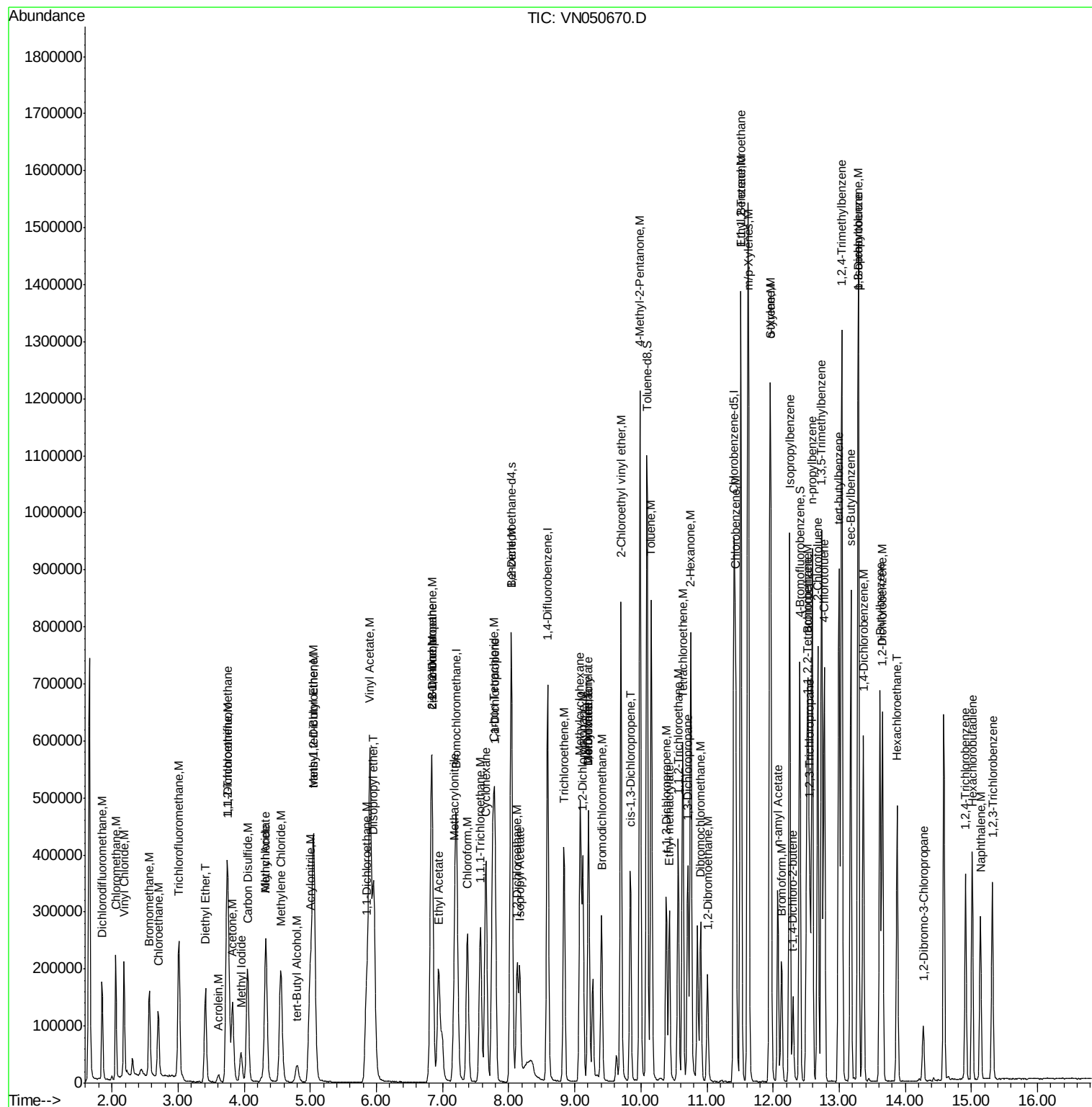
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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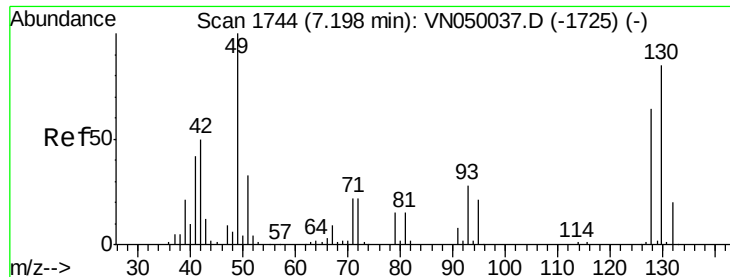
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081518\
 Data File : VN050670.D
 Acq On : 15 Aug 2018 22:14
 Operator : MD\SY
 Sample : VN0815WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0815WBSD02

Quant Time: Aug 16 01:10:34 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





#1

Bromochloromethane

Concen: 30.00 ug/l

RT: 7.20 min Scan# 1744

Delta R.T. -0.00 min

Lab File: VN050670.D

Acq: 15 Aug 2018 22:14

Instrument :

MSVOA_N

ClientSampleId :

VN0815WBSD02

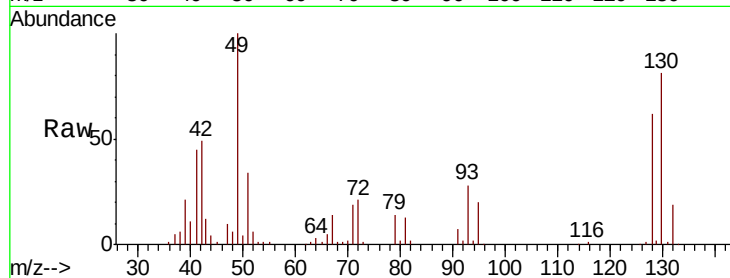
Tot Ion:128 Resp: 121517

Ion Ratio Lower Upper

128 100

49 157.1 0.0 378.3

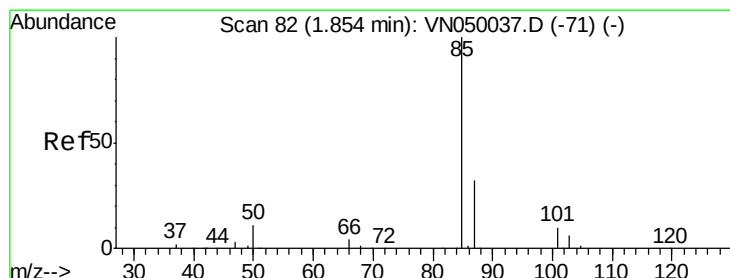
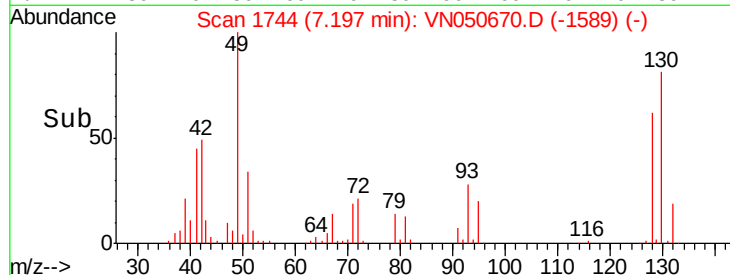
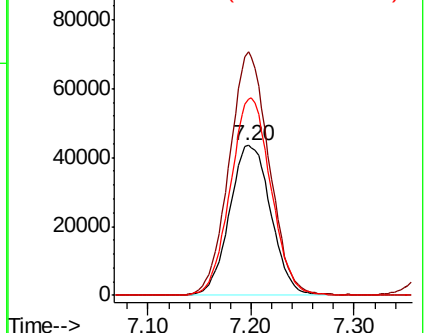
130 129.2 0.0 320.7



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: 15.88 ug/l

RT: 1.85 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN050670.D

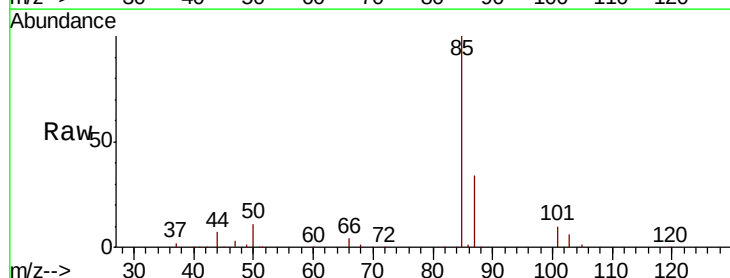
Acq: 15 Aug 2018 22:14

Tgt Ion: 85 Resp: 132994

Ion Ratio Lower Upper

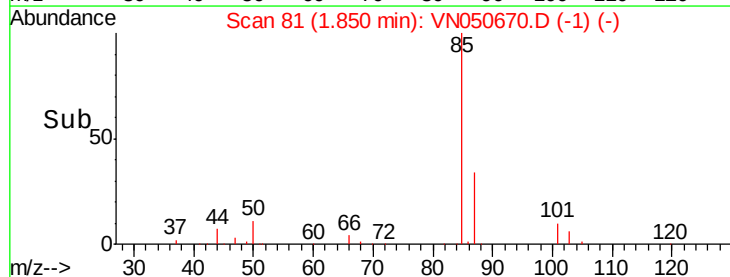
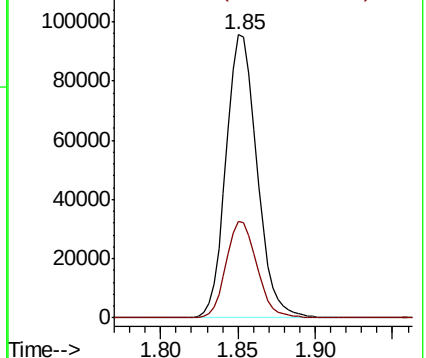
85 100

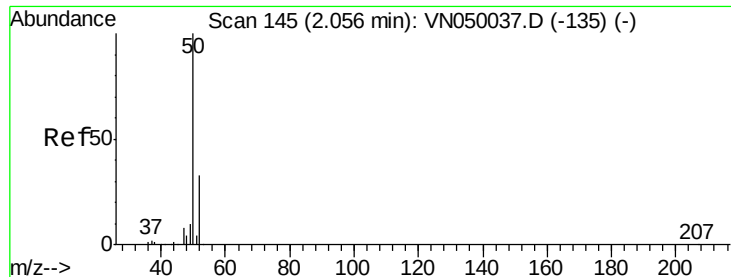
87 34.2 15.4 46.4



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#3

Chloromethane

Concen: 19.79 ug/l

RT: 2.06 min Scan# 145

Delta R.T. -0.00 min

Lab File: VN050670.D

Acq: 15 Aug 2018 22:14

Instrument :

MSVOA_N

ClientSampleId :

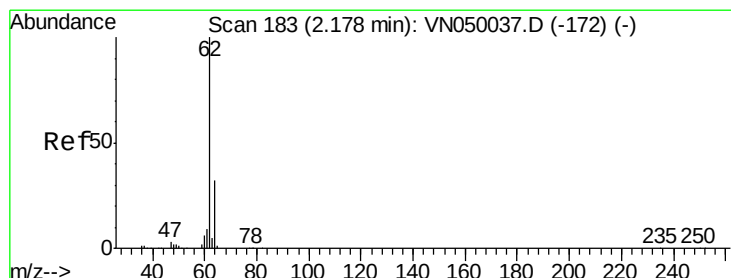
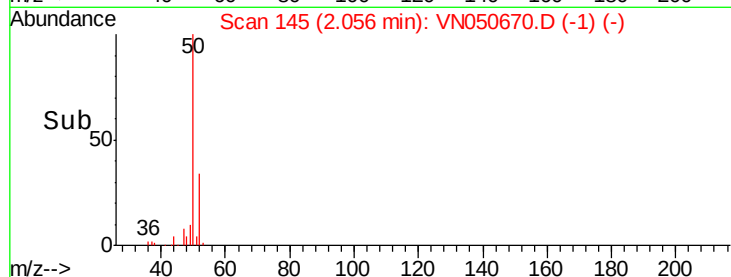
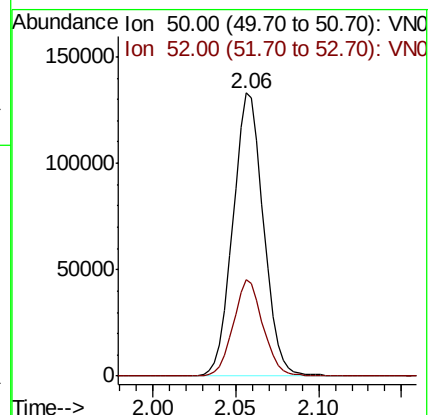
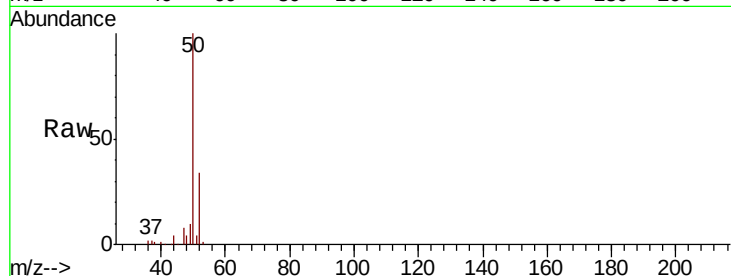
VN0815WBSD02

Tot Ion: 50 Resp: 170895

Ion Ratio Lower Upper

50 100

52 33.9 26.1 39.1



#4

Vinyl Chloride

Concen: 19.58 ug/l

RT: 2.18 min Scan# 184

Delta R.T. 0.00 min

Lab File: VN050670.D

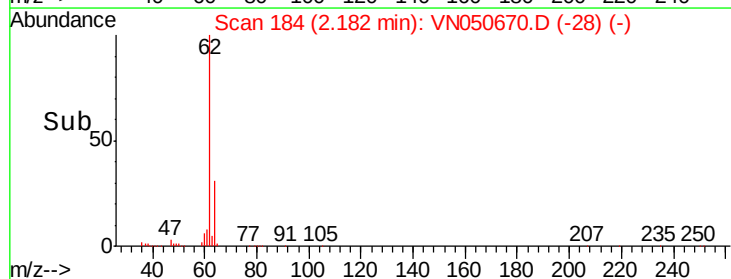
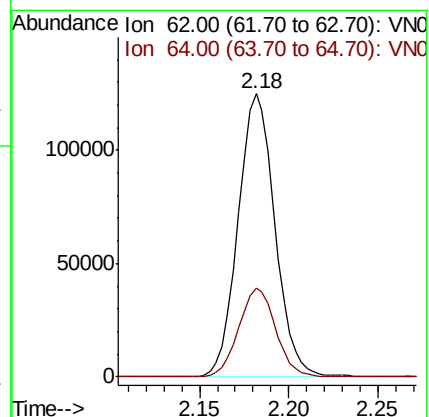
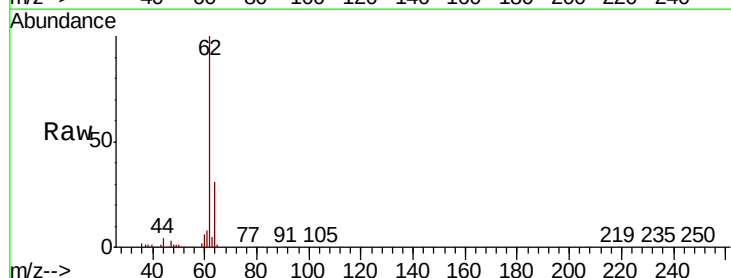
Acq: 15 Aug 2018 22:14

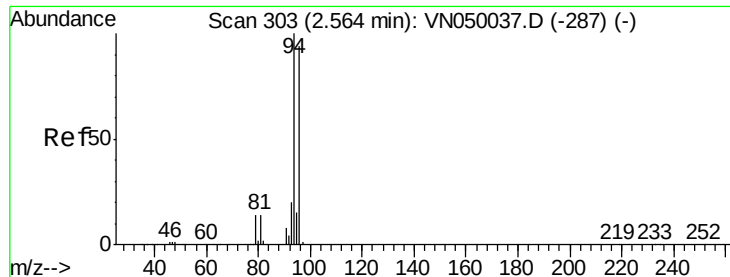
Tgt Ion: 62 Resp: 179997

Ion Ratio Lower Upper

62 100

64 31.3 24.4 36.6





#5

Bromomethane

Concen: 18.14 ug/l

RT: 2.56 min Scan# 303

Delta R.T. -0.00 min

Lab File: VN050670.D

Acq: 15 Aug 2018 22:14

Instrument :

MSVOA_N

ClientSampleId :

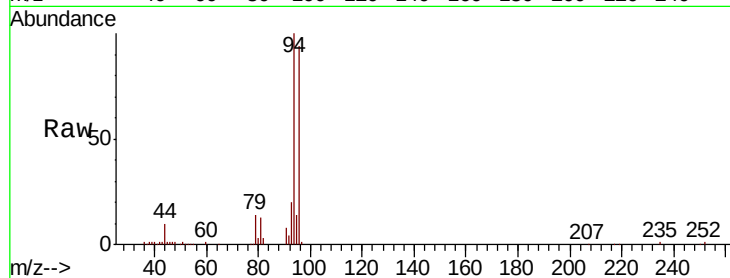
VN0815WBSD02

Tot Ion: 94 Resp: 101631

Ion Ratio Lower Upper

94 100

96 93.9 75.9 113.9



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0

2.56

60000

50000

40000

30000

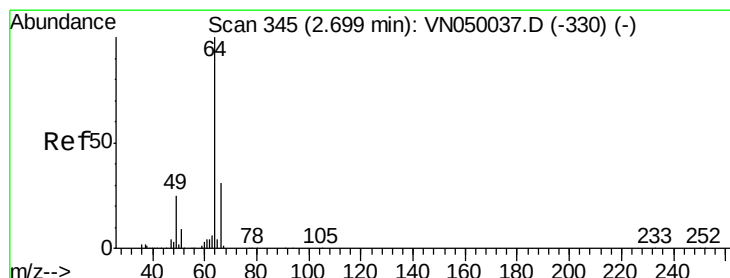
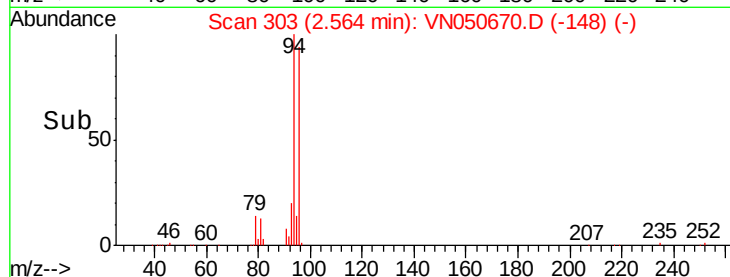
20000

10000

0

Time-->

2.50 2.55 2.60



#6

Chloroethane

Concen: 20.14 ug/l

RT: 2.70 min Scan# 345

Delta R.T. -0.00 min

Lab File: VN050670.D

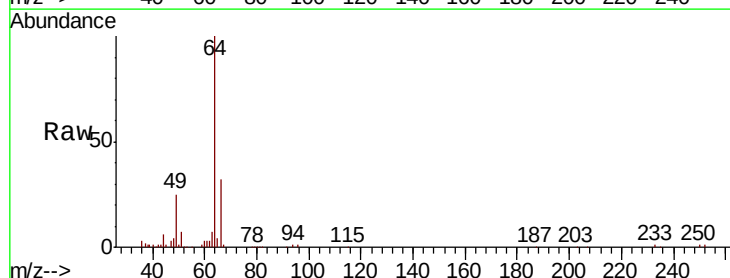
Acq: 15 Aug 2018 22:14

Tgt Ion: 64 Resp: 109491

Ion Ratio Lower Upper

64 100

66 31.4 25.0 37.4



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0

2.70

60000

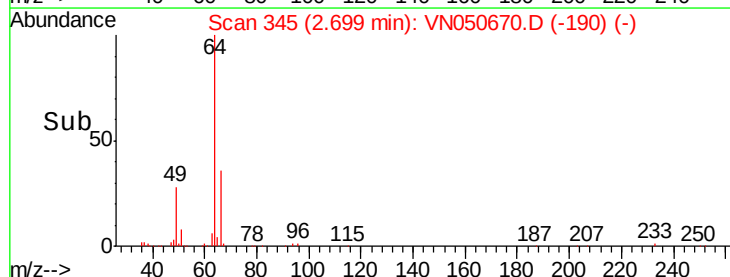
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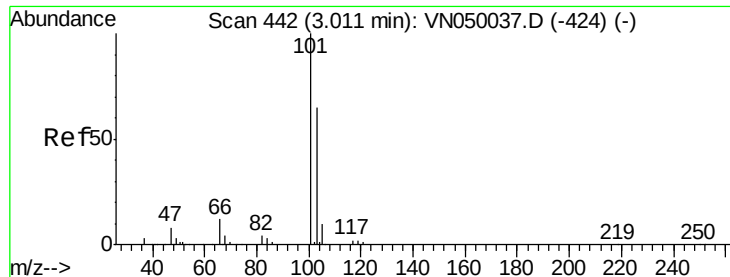
20000

0

Time-->

2.60 2.65 2.70 2.75 2.80



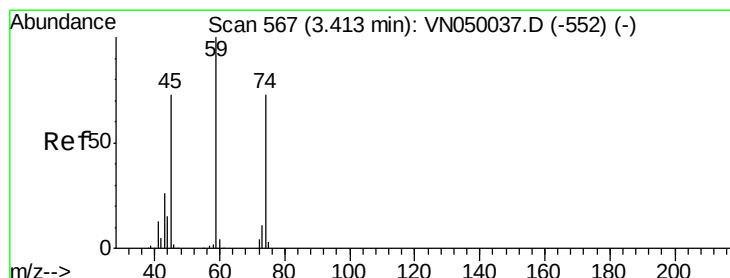
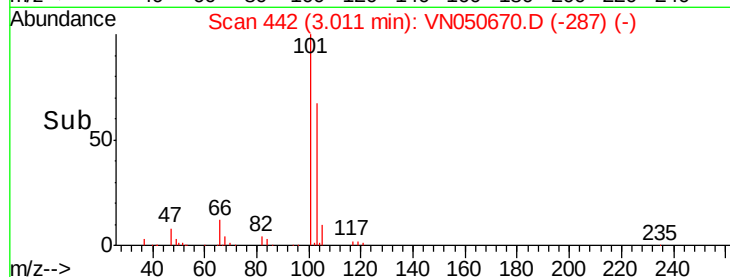
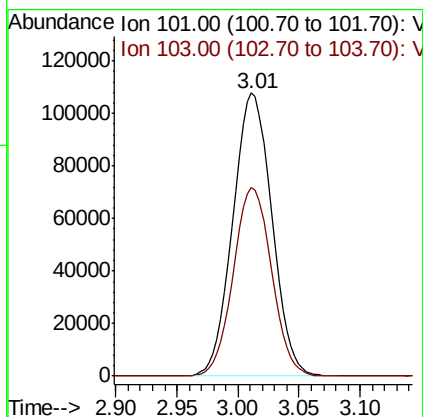
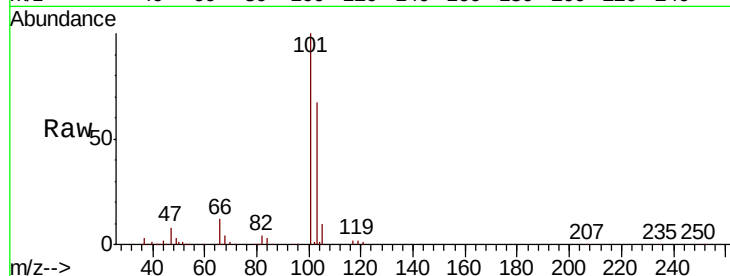


#7

Trichlorofluoromethane
 Concen: 19.93 ug/l
 RT: 3.01 min Scan# 442
 Delta R.T. -0.00 min
 Lab File: VN050670.D
 Acq: 15 Aug 2018 22:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0815WBSD02

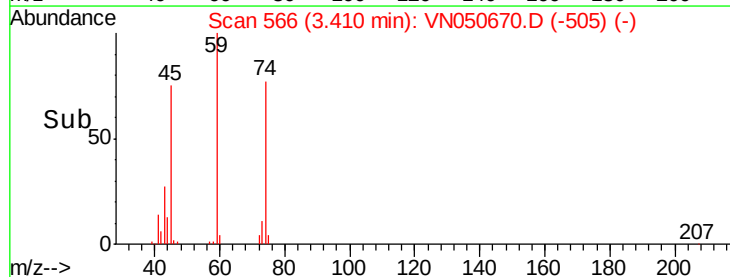
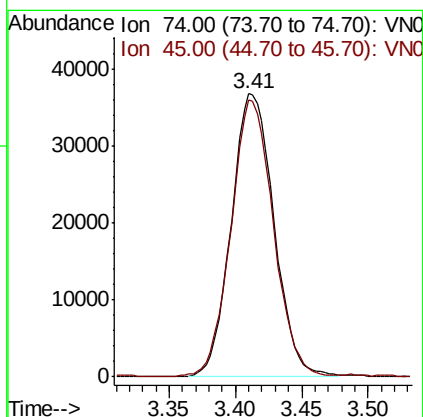
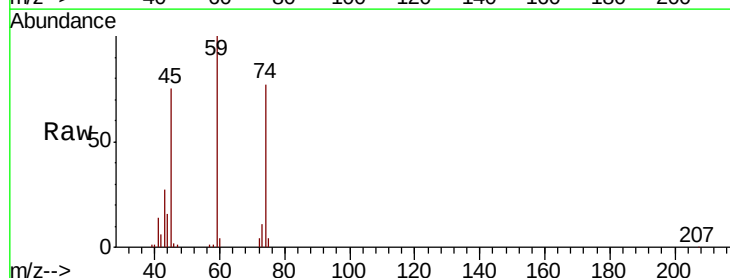
Tot Ion:101 Resp: 239433
 Ion Ratio Lower Upper
 101 100
 103 66.6 51.5 77.3

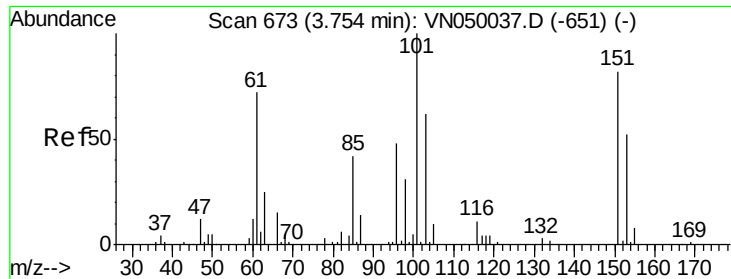


#8

Diethyl Ether
 Concen: 20.53 ug/l
 RT: 3.41 min Scan# 566
 Delta R.T. -0.00 min
 Lab File: VN050670.D
 Acq: 15 Aug 2018 22:14

Tgt Ion: 74 Resp: 82698
 Ion Ratio Lower Upper
 74 100
 45 97.3 18.7 167.9

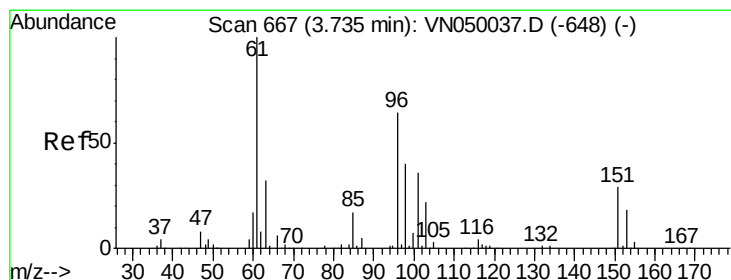
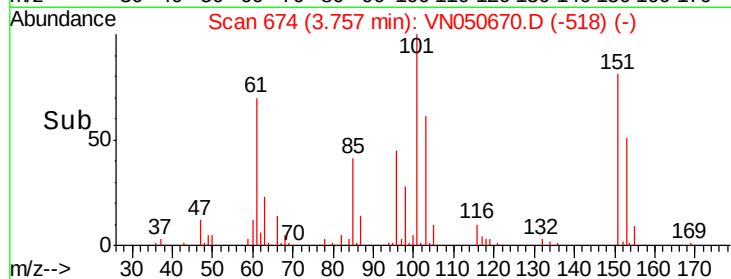
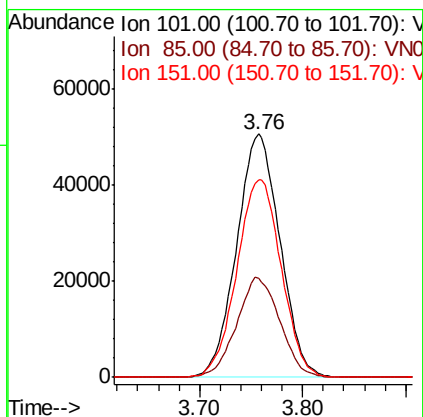
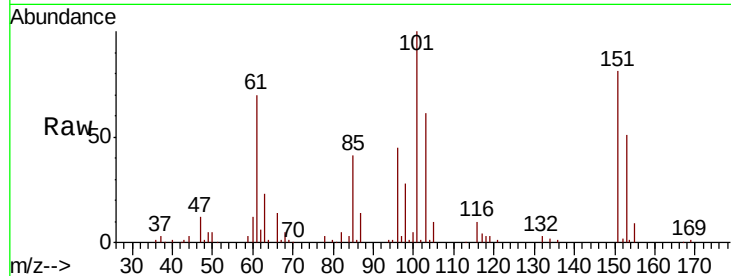




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 20.26 ug/l
 RT: 3.76 min Scan# 674
 Delta R.T. 0.00 min
 Lab File: VN050670.D
 Acq: 15 Aug 2018 22:14

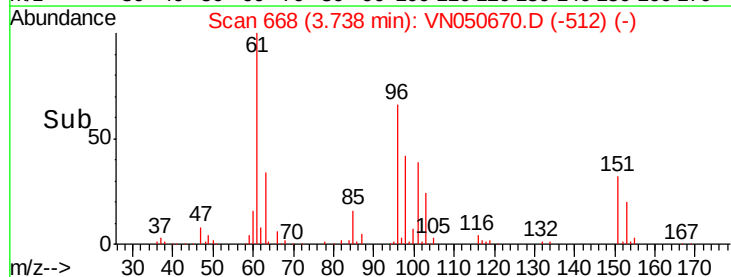
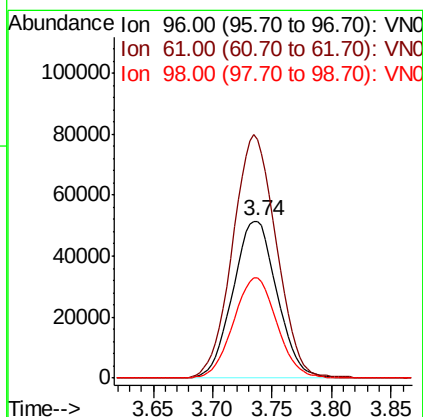
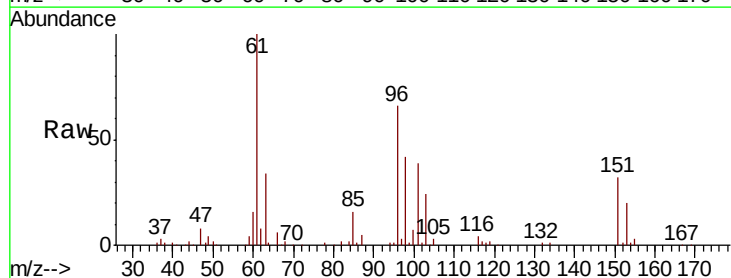
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0815WBSD02

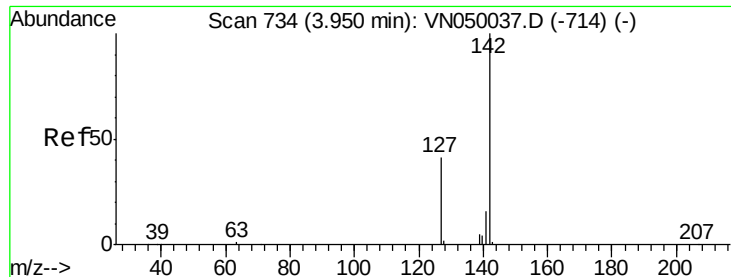
Tot Ion:101 Resp: 148031
 Ion Ratio Lower Upper
 101 100
 85 41.0 0.0 83.0
 151 83.1 0.0 166.8



#10
 1,1-Dichloroethene
 Concen: 20.40 ug/l
 RT: 3.74 min Scan# 668
 Delta R.T. 0.00 min
 Lab File: VN050670.D
 Acq: 15 Aug 2018 22:14

Tgt Ion: 96 Resp: 132140
 Ion Ratio Lower Upper
 96 100
 61 151.1 130.6 195.8
 98 64.0 53.5 80.3

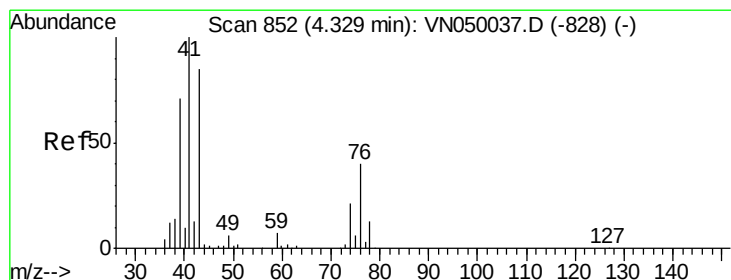
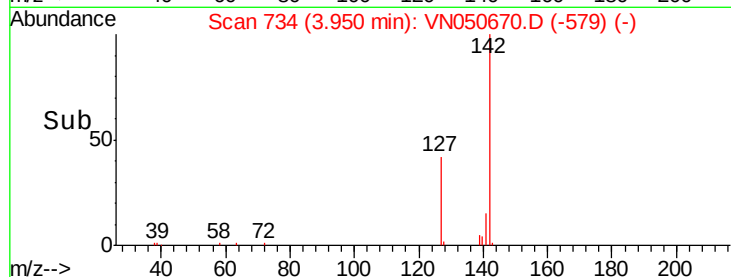
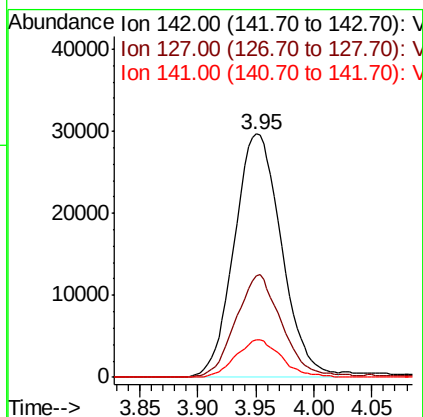
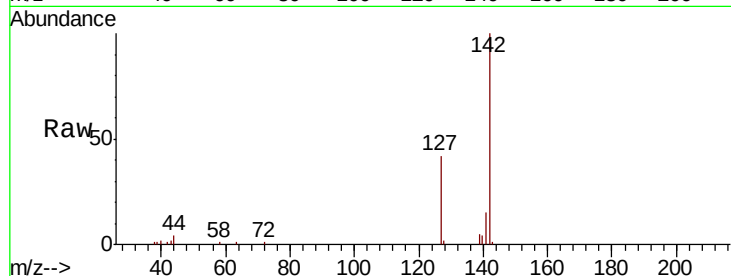




#11
Methvl Iodide
Concen: 8.82 ug/l
RT: 3.95 min Scan# 734
Delta R.T. -0.00 min
Lab File: VN050670.D
Acq: 15 Aug 2018 22:14

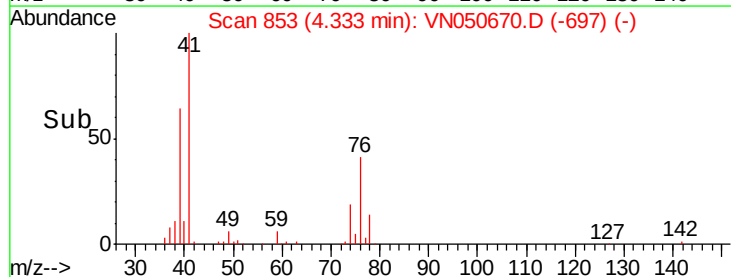
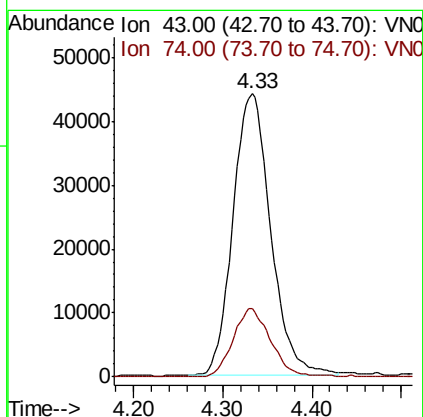
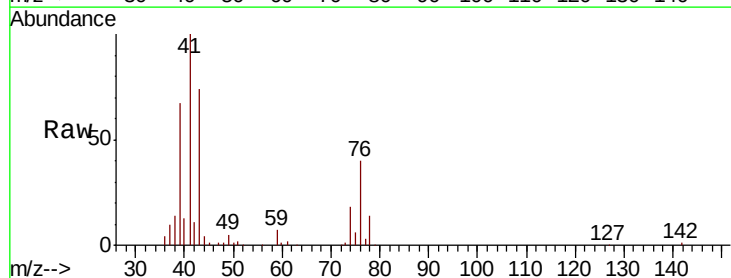
Instrument :
MSVOA_N
ClientSampleId :
VN0815WBSD02

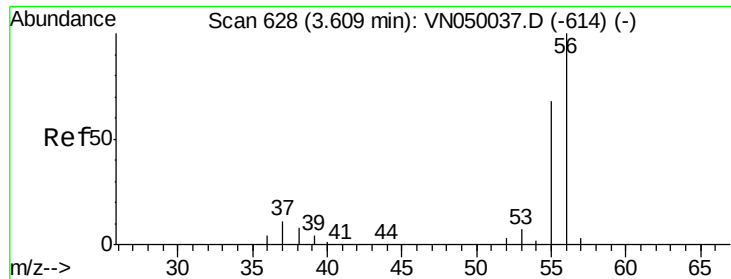
Tot Ion	Ratio	Lower	Upper
142	100		
127	41.7	20.2	60.5
141	15.5	6.9	20.6



#12
Methyl Acetate
Concen: 17.51 ug/l
RT: 4.33 min Scan# 853
Delta R.T. 0.00 min
Lab File: VN050670.D
Acq: 15 Aug 2018 22:14

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.5	19.3	28.9





#13

Acrolein

Concen: 32.85 ug/l

RT: 3.61 min Scan# 629

Delta R.T. 0.00 min

Lab File: VN050670.D

Acq: 15 Aug 2018 22:14

Instrument :

MSVOA_N

ClientSampleId :

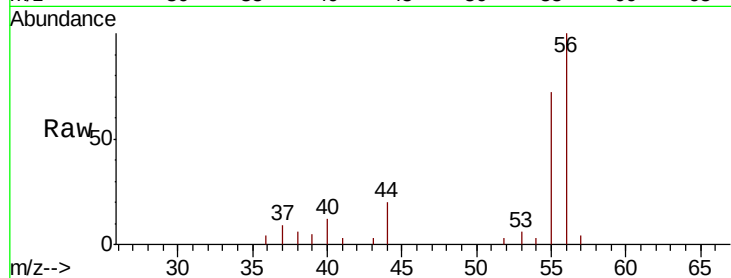
VN0815WBSD02

Tot Ion: 56 Resp: 15066

Ion Ratio Lower Upper

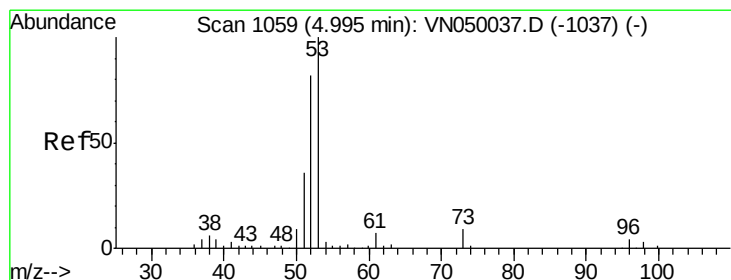
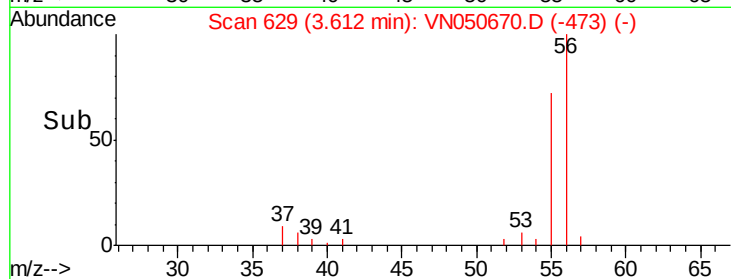
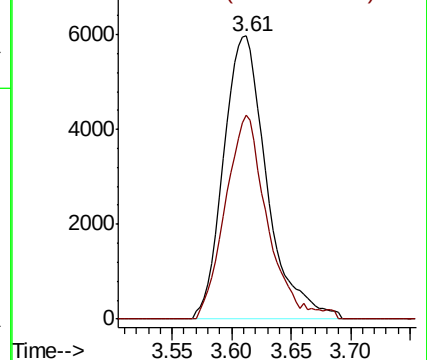
56 100

55 67.7 58.6 88.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 100.29 ug/l

RT: 4.99 min Scan# 1059

Delta R.T. -0.00 min

Lab File: VN050670.D

Acq: 15 Aug 2018 22:14

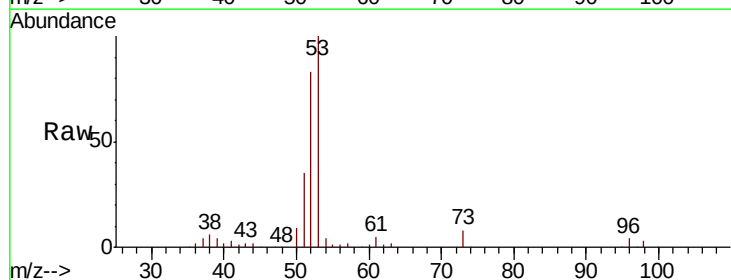
Tgt Ion: 53 Resp: 248359

Ion Ratio Lower Upper

53 100

52 82.5 41.5 124.5

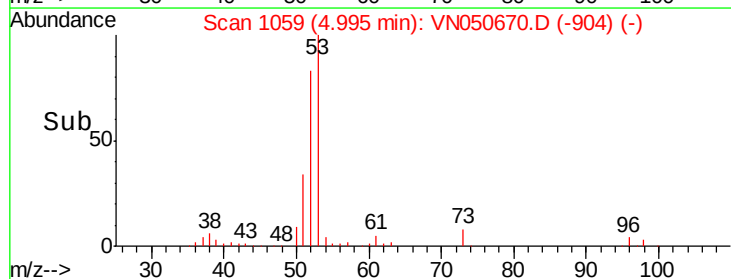
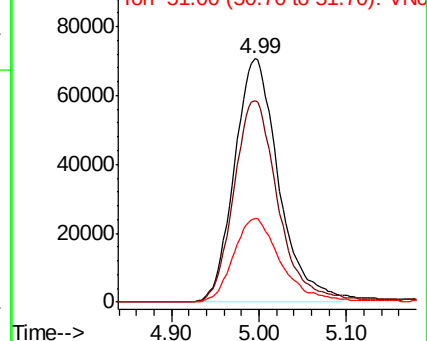
51 36.5 18.7 56.1

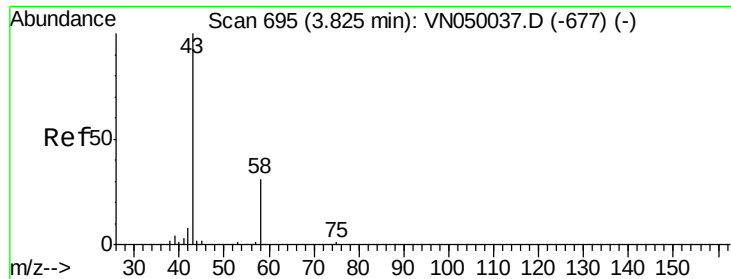


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 115.02 ug/l

RT: 3.82 min Scan# 694

Delta R.T. -0.00 min

Lab File: VN050670.D

Acq: 15 Aug 2018 22:14

Instrument :

MSVOA_N

ClientSampleId :

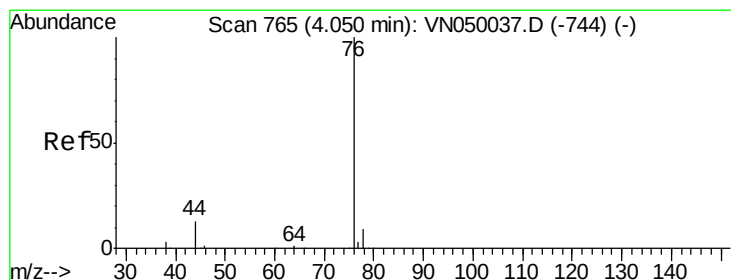
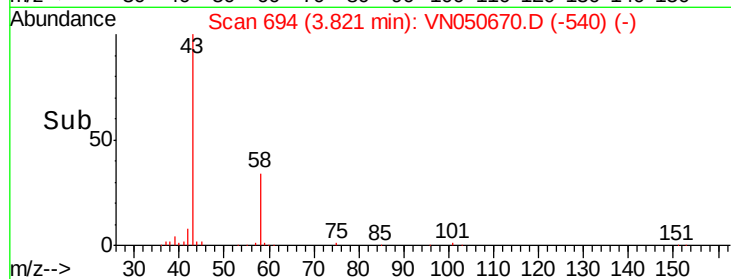
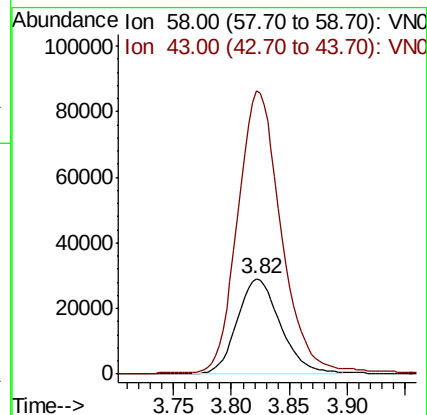
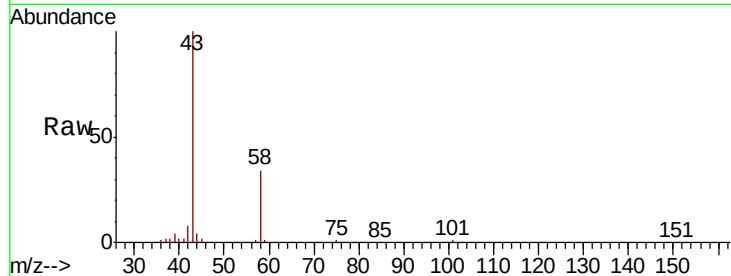
VN0815WBSD02

Tot Ion: 58 Resp: 75701

Ion Ratio Lower Upper

58 100

43 293.2 252.0 378.0



#16

Carbon Disulfide

Concen: 20.41 ug/l

RT: 4.05 min Scan# 765

Delta R.T. -0.00 min

Lab File: VN050670.D

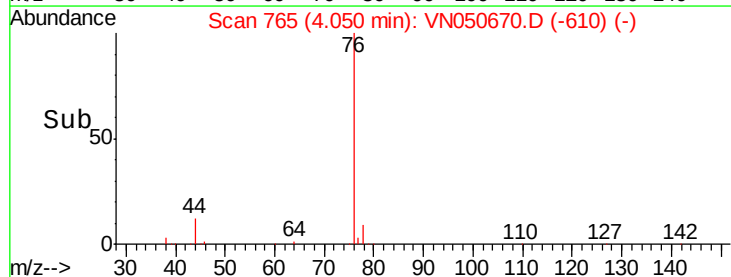
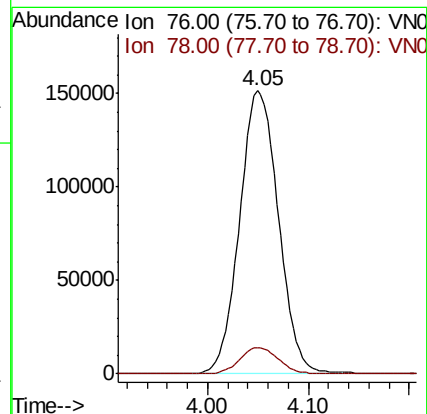
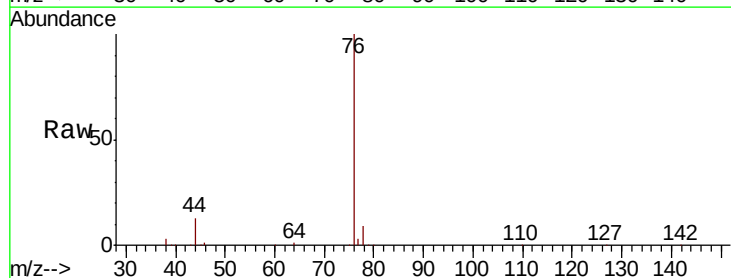
Acq: 15 Aug 2018 22:14

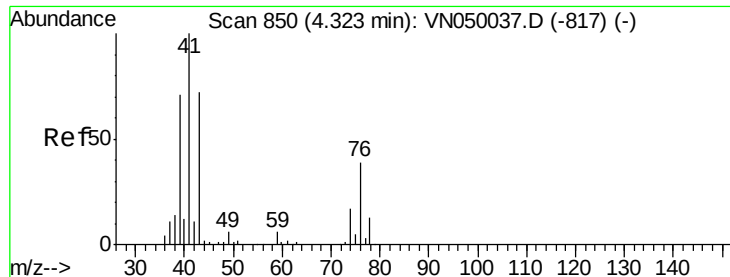
Tgt Ion: 76 Resp: 404580

Ion Ratio Lower Upper

76 100

78 9.3 7.3 10.9

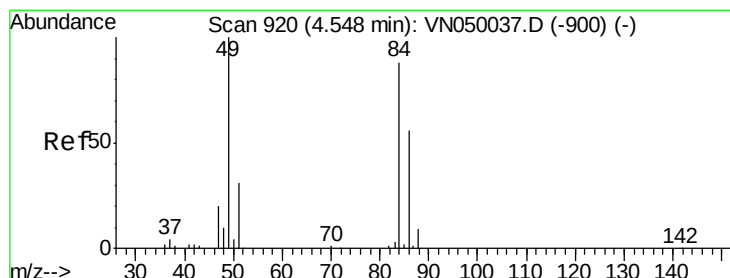
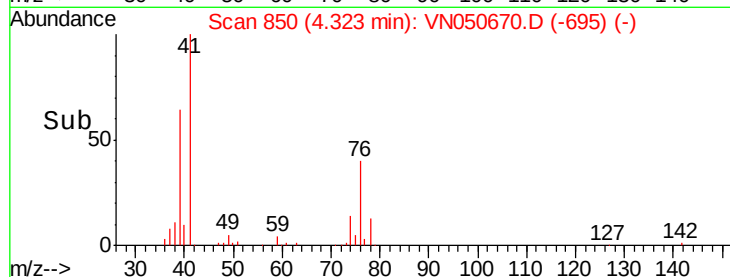
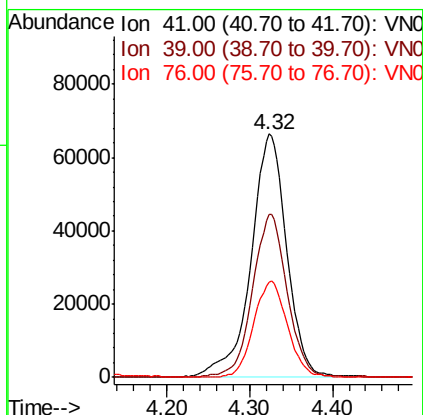
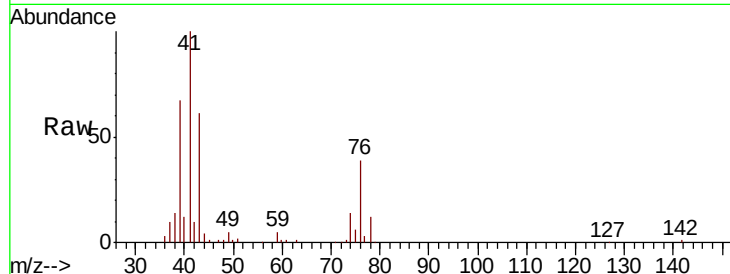




#17
Allvl chloride
Concen: 19.29 ug/l
RT: 4.32 min Scan# 850
Delta R.T. -0.00 min
Lab File: VN050670.D
Acq: 15 Aug 2018 22:14

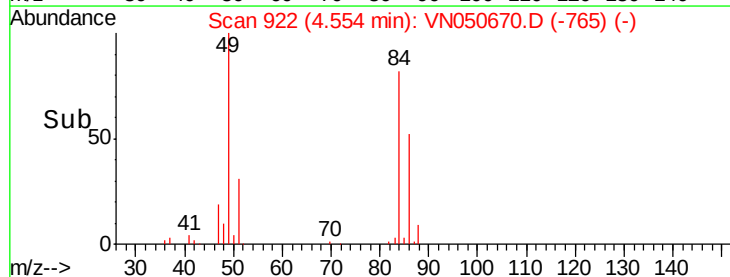
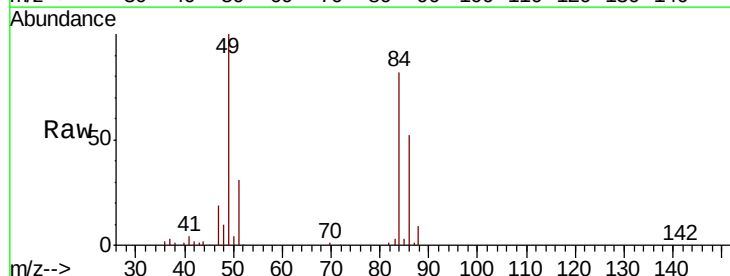
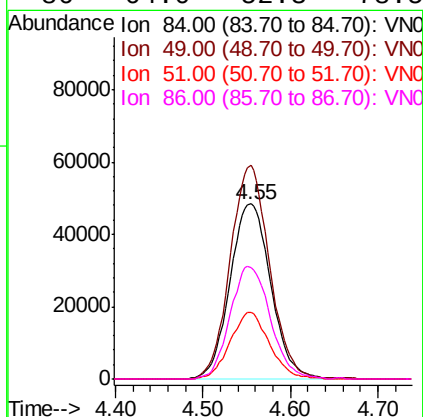
Instrument :
MSVOA_N
ClientSampleId :
VN0815WBSD02

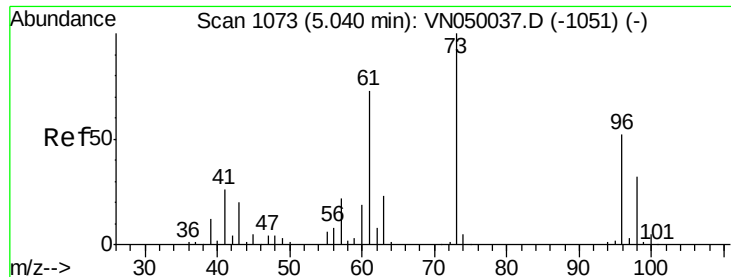
Tot Ion	Ratio	Lower	Upper
41	100		
39	67.2	35.4	106.3
76	39.0	19.7	59.1



#18
Methylene Chloride
Concen: 21.00 ug/l
RT: 4.55 min Scan# 922
Delta R.T. 0.01 min
Lab File: VN050670.D
Acq: 15 Aug 2018 22:14

Tgt Ion	Ratio	Lower	Upper
84	100		
49	122.1	95.1	142.7
51	38.4	28.8	43.2
86	64.0	52.3	78.5

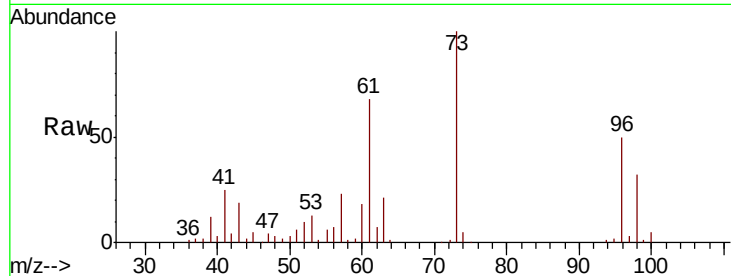




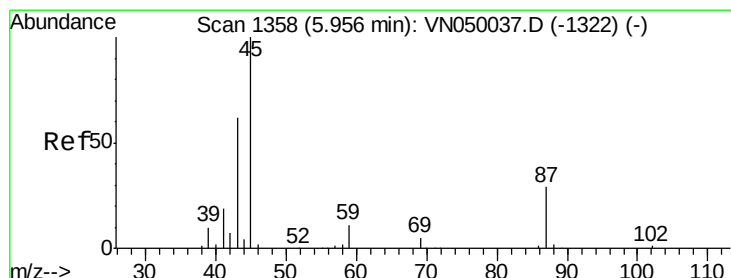
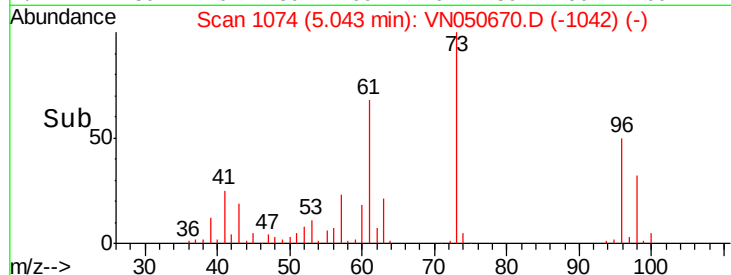
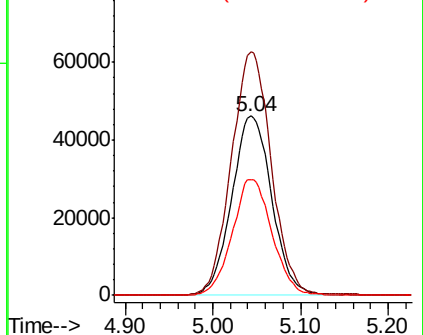
#19
trans-1,2-Dichloroethene
Concen: 21.17 ug/l
RT: 5.04 min Scan# 1074
Delta R.T. 0.00 min
Lab File: VN050670.D
Acq: 15 Aug 2018 22:14

Instrument :
MSVOA_N
ClientSampleId :
VN0815WBSD02

Tot Ion: 96 Resp: 146833
Ion Ratio Lower Upper
96 100
61 135.7 112.1 168.1
98 64.6 51.3 76.9

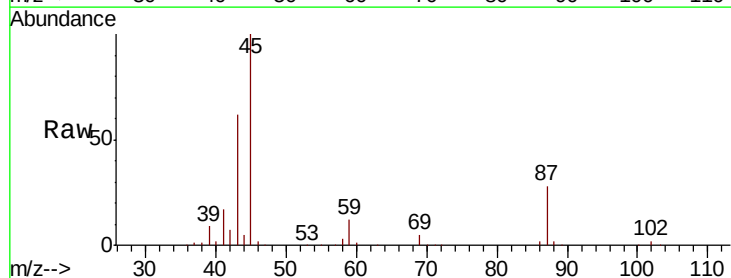


Abundance Ion 96.00 (95.70 to 96.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

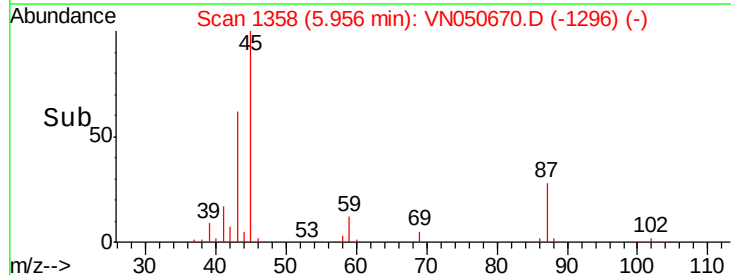
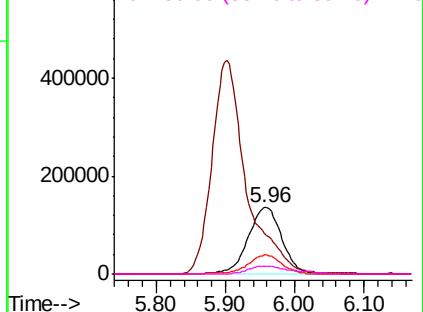


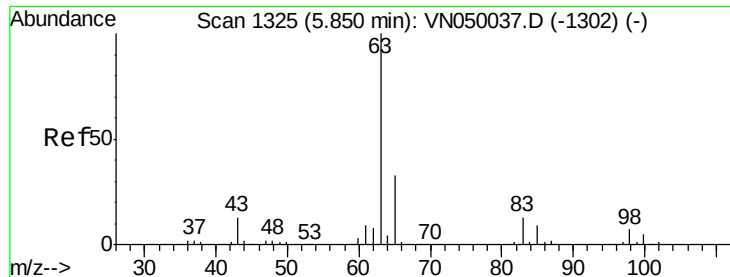
#20
Diisopropyl ether
Concen: 21.84 ug/l
RT: 5.96 min Scan# 1358
Delta R.T. -0.00 min
Lab File: VN050670.D
Acq: 15 Aug 2018 22:14

Tgt Ion: 45 Resp: 458239
Ion Ratio Lower Upper
45 100
43 60.1 46.6 70.0
87 28.1 22.3 33.5
59 12.2 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: 20.56 ug/l

RT: 5.85 min Scan# 1325

Delta R.T. -0.00 min

Lab File: VN050670.D

Acq: 15 Aug 2018 22:14

Instrument :

MSVOA_N

ClientSampleId :

VN0815WBSD02

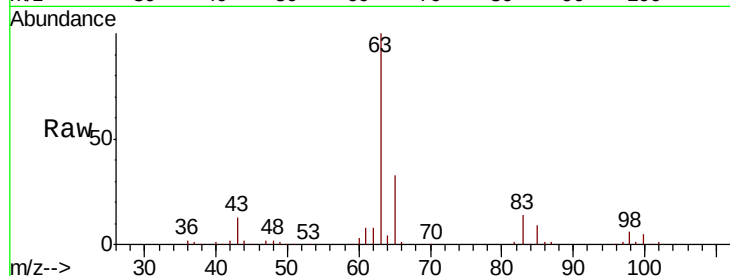
Tot Ion: 63 Resp: 271262

Ion Ratio Lower Upper

63 100

98 6.4 3.5 10.6

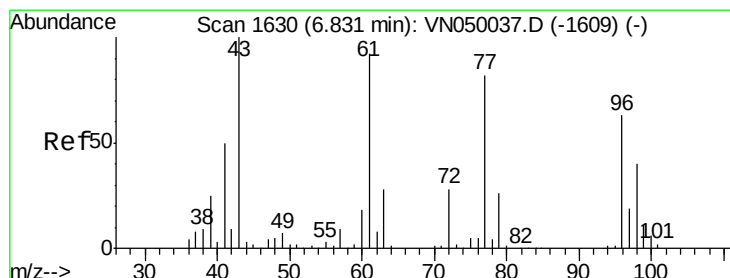
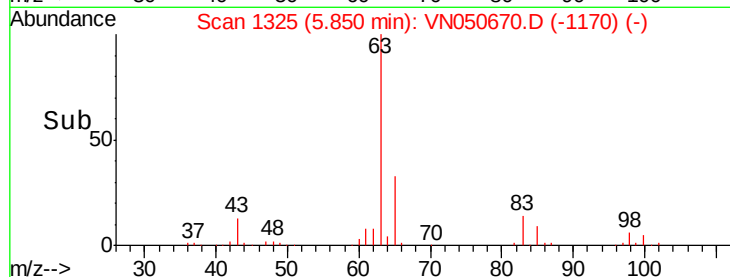
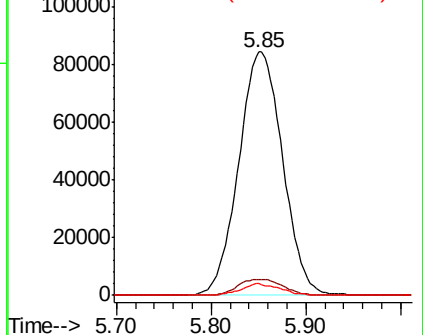
100 4.8 2.3 6.8



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: 21.02 ug/l

RT: 6.83 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VN050670.D

Acq: 15 Aug 2018 22:14

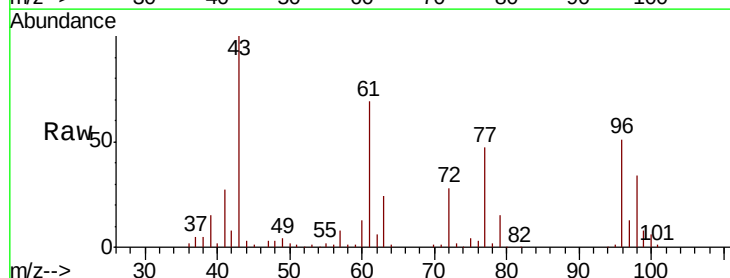
Tgt Ion: 96 Resp: 161717

Ion Ratio Lower Upper

96 100

61 137.0 114.2 171.2

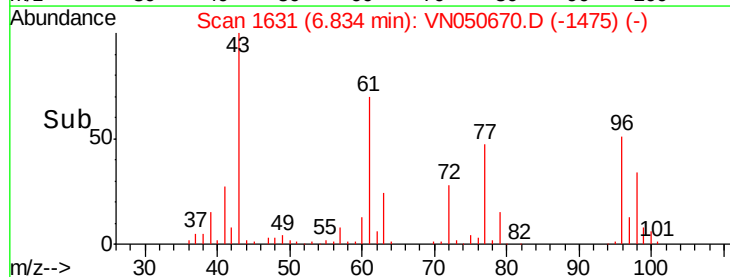
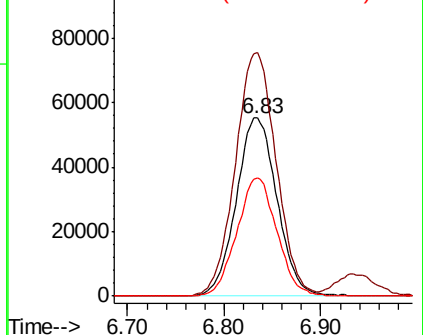
98 65.3 51.7 77.5

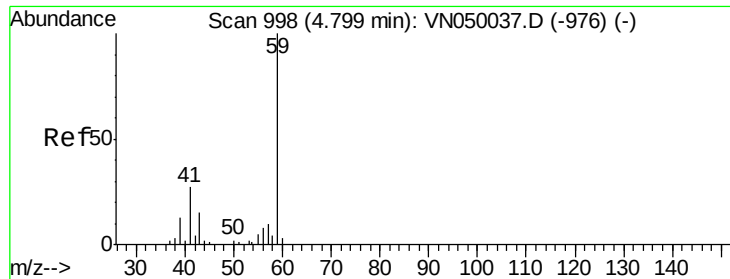


Abundance Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0

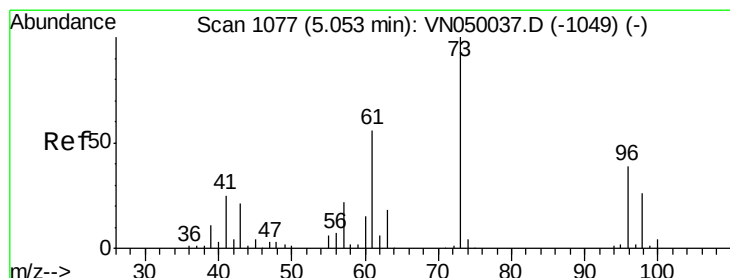
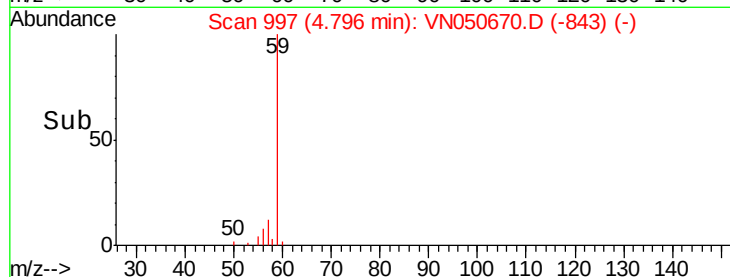
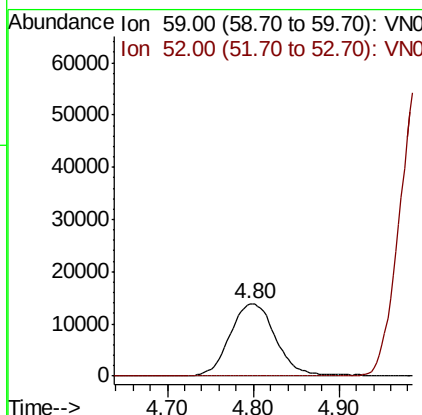
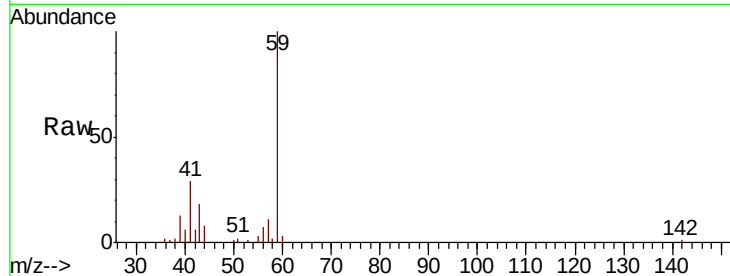




#23
 tert-Butyl Alcohol
 Concen: 92.52 ug/l
 RT: 4.80 min Scan# 997
 Delta R.T. -0.00 min
 Lab File: VN050670.D
 Acq: 15 Aug 2018 22:14

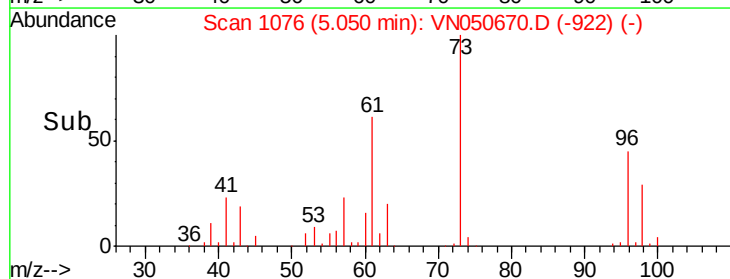
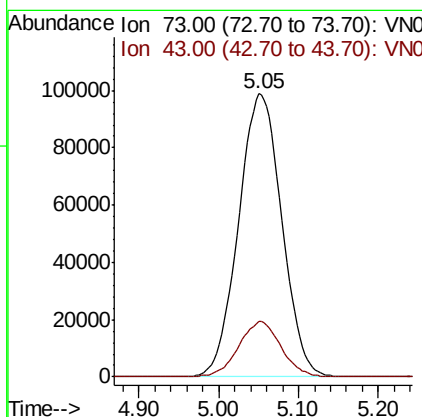
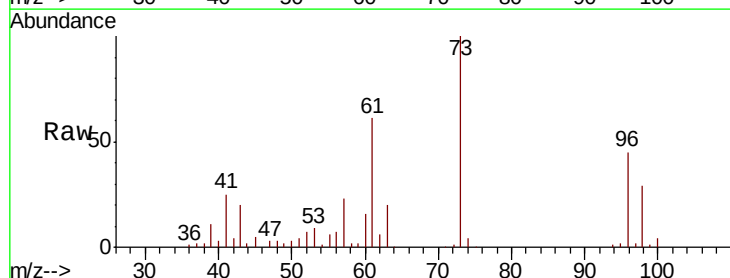
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0815WBSD02

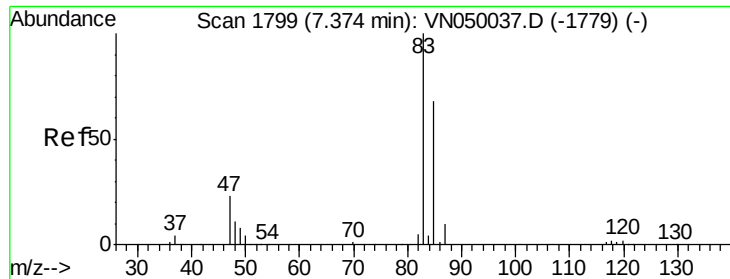
Tot Ion: 59 Resp: 51199
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.1 0.1#



#24
 Methyl tert-Butyl Ether
 Concen: 20.60 ug/l
 RT: 5.05 min Scan# 1076
 Delta R.T. -0.00 min
 Lab File: VN050670.D
 Acq: 15 Aug 2018 22:14

Tgt Ion: 73 Resp: 364000
 Ion Ratio Lower Upper
 73 100
 43 18.8 15.5 23.3

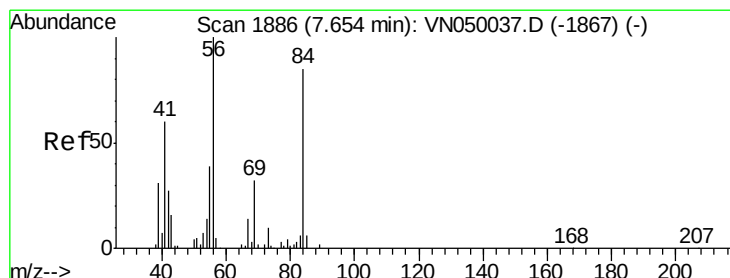
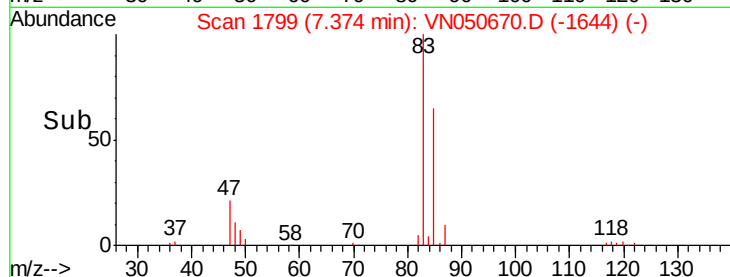
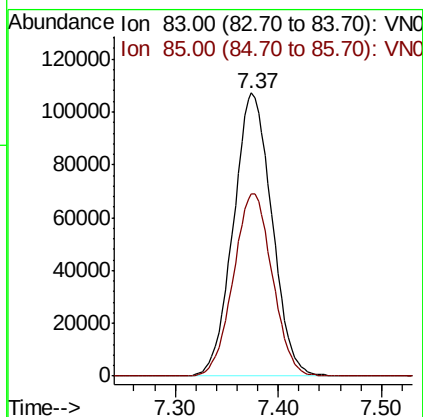
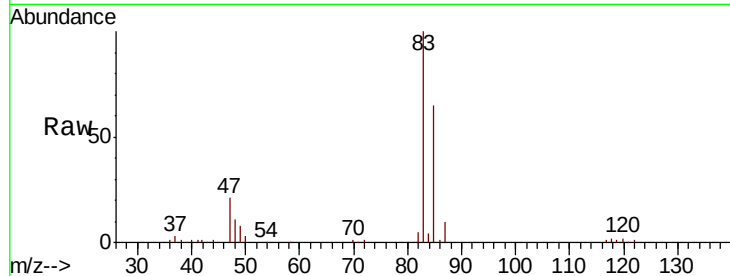




#25
Chloroform
Concen: 20.82 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. -0.00 min
Lab File: VN050670.D
Acq: 15 Aug 2018 22:14

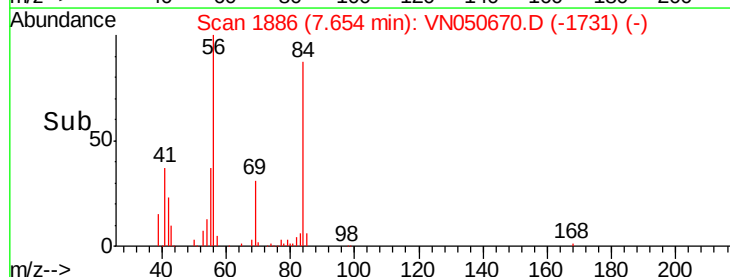
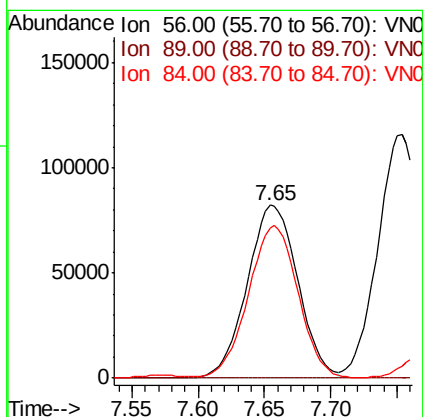
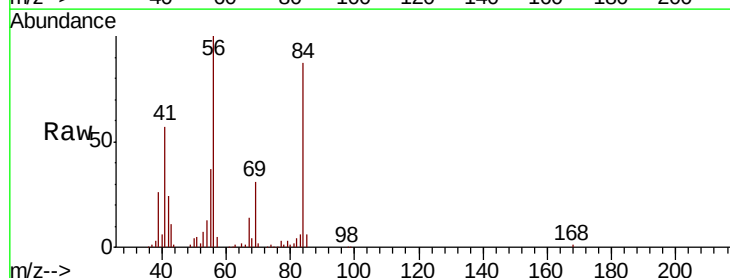
Instrument :
MSVOA_N
ClientSampleId :
VN0815WBSD02

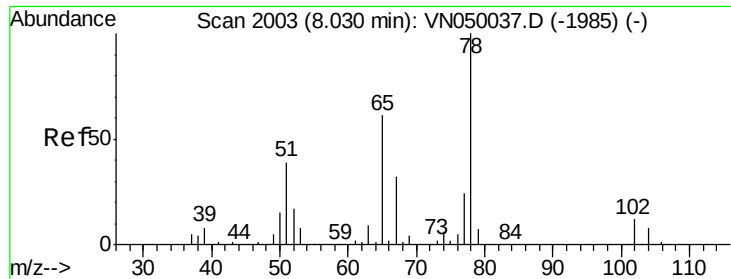
Tot Ion: 83 Resp: 278060
Ion Ratio Lower Upper
83 100
85 64.6 52.1 78.1



#26
Cyclohexane
Concen: 20.91 ug/l
RT: 7.65 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VN050670.D
Acq: 15 Aug 2018 22:14

Tgt Ion: 56 Resp: 219242
Ion Ratio Lower Upper
56 100
89 0.0 3.0 4.4#
84 85.7 69.8 104.8

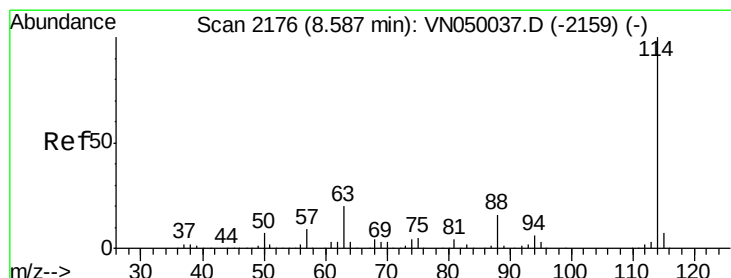
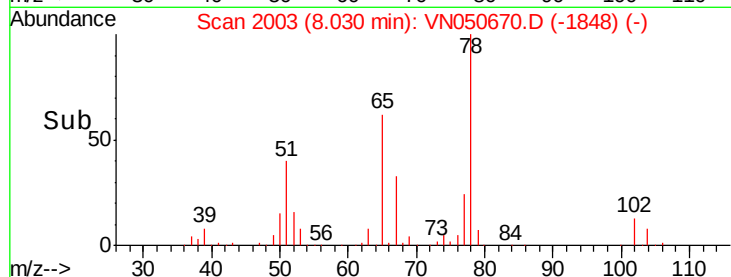
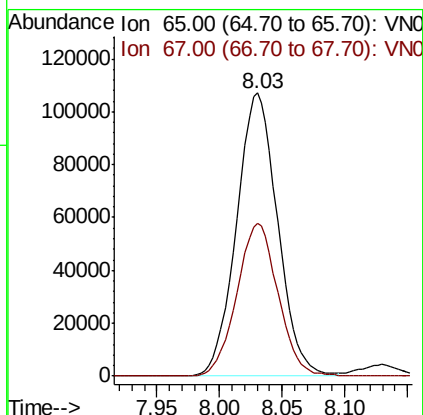
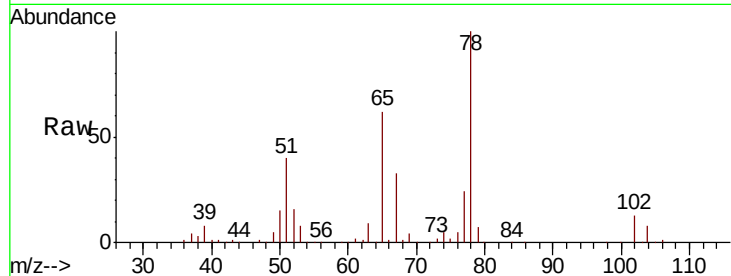




#27
 1,2-Dichloroethane-d4
 Concen: 29.53 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. -0.00 min
 Lab File: VN050670.D
 Acq: 15 Aug 2018 22:14

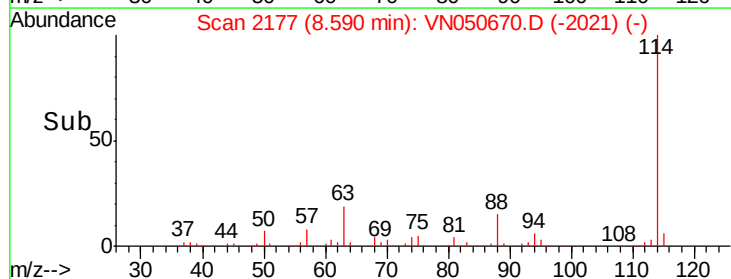
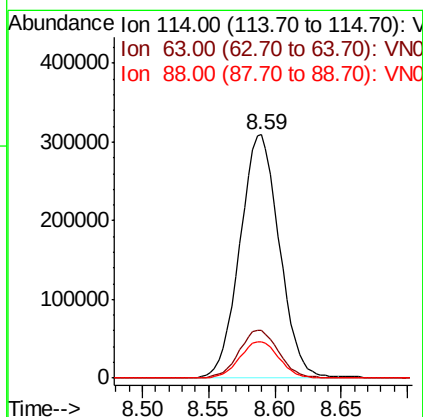
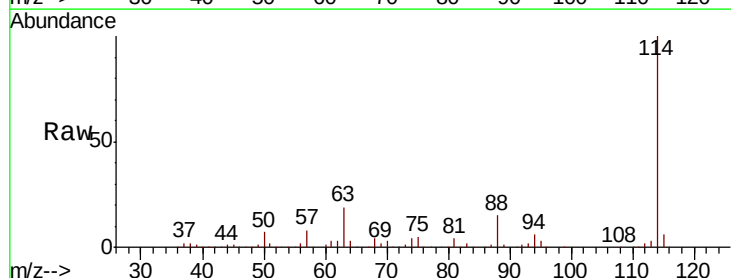
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0815WBSD02

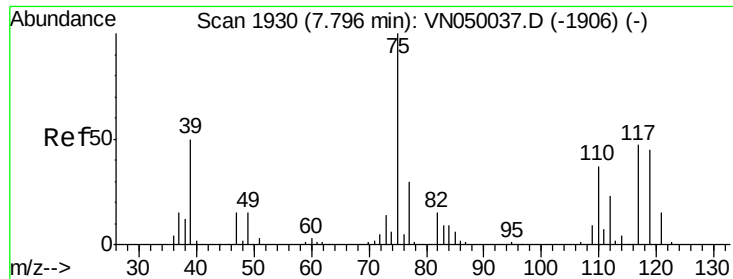
Tot Ion: 65 Resp: 243946
 Ion Ratio Lower Upper
 65 100
 67 54.0 42.7 64.1



#28
 1,4-Difluorobenzene
 Concen: 30.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050670.D
 Acq: 15 Aug 2018 22:14

Tgt Ion: 114 Resp: 639682
 Ion Ratio Lower Upper
 114 100
 63 19.7 16.2 24.2
 88 15.0 12.3 18.5

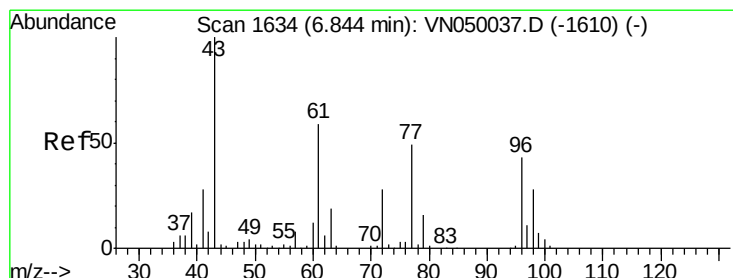
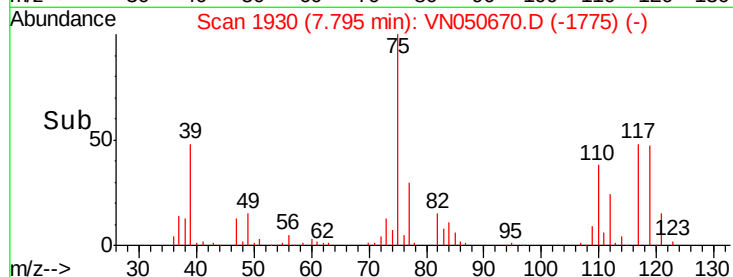
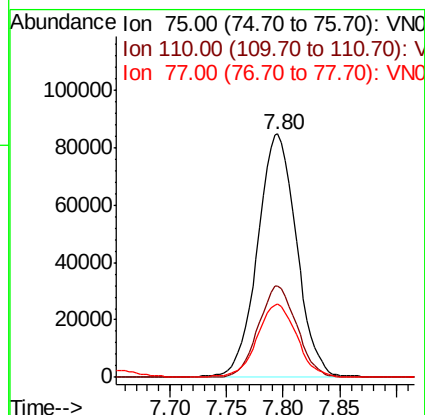
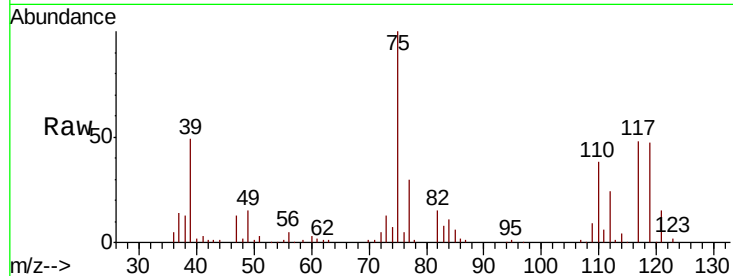




#29
 1,1-Dichloropropene
 Concen: 20.46 ug/l
 RT: 7.80 min Scan# 1930
 Delta R.T. -0.00 min
 Lab File: VN050670.D
 Acq: 15 Aug 2018 22:14

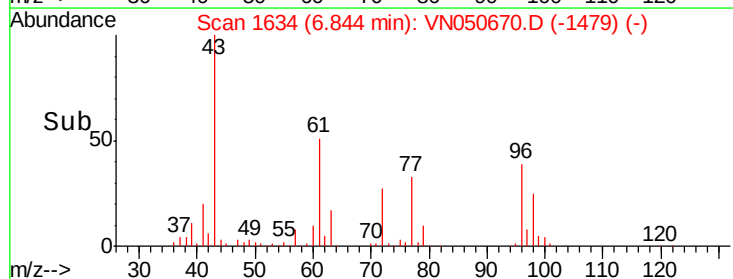
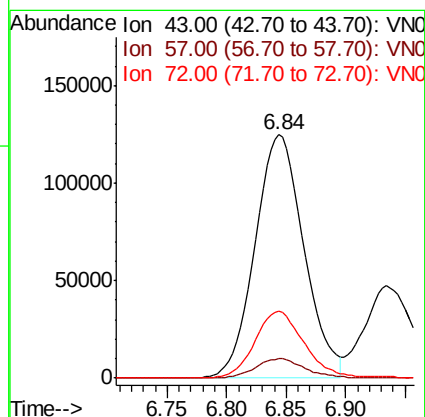
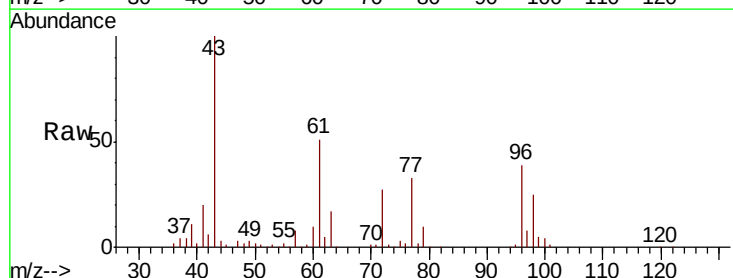
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0815WBSD02

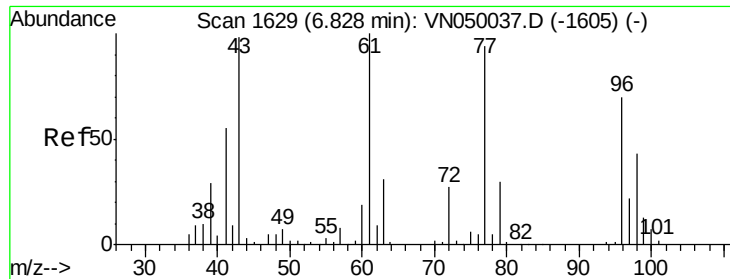
Tot Ion	Ratio	Lower	Upper
75	100		
110	36.9	0.0	73.2
77	30.6	0.0	62.0



#30
 2-Butanone
 Concen: 113.53 ug/l
 RT: 6.84 min Scan# 1634
 Delta R.T. -0.00 min
 Lab File: VN050670.D
 Acq: 15 Aug 2018 22:14

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.2	6.8	10.2
72	27.6	21.4	32.0

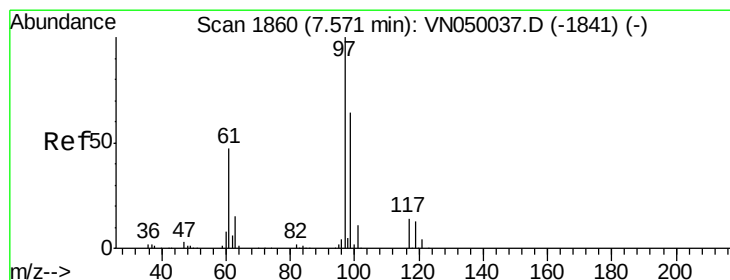
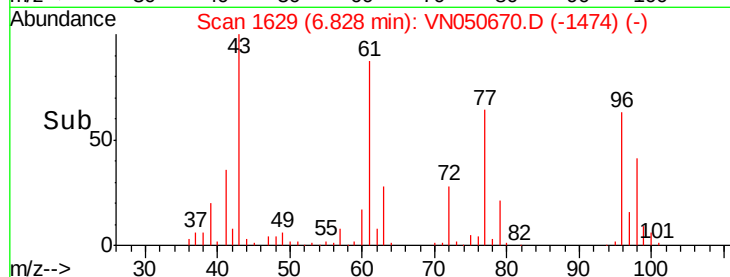
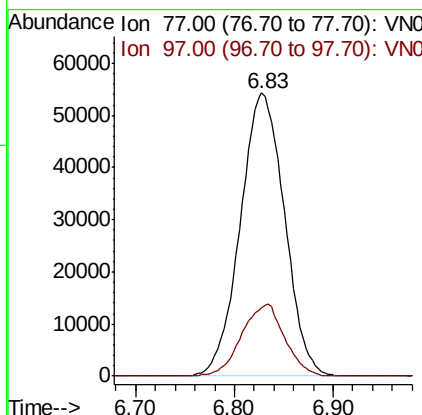
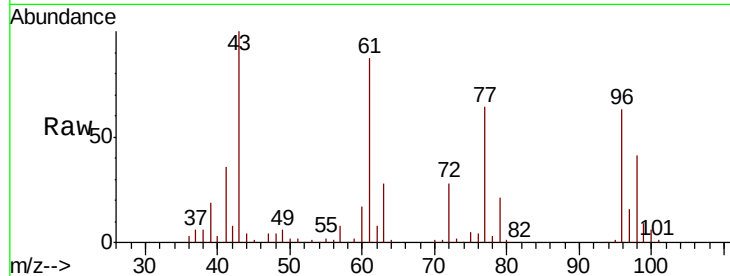




#31
 2,2-Dichloropropane
 Concen: 15.36 ug/l
 RT: 6.83 min Scan# 1629
 Delta R.T. -0.00 min
 Lab File: VN050670.D
 Acq: 15 Aug 2018 22:14

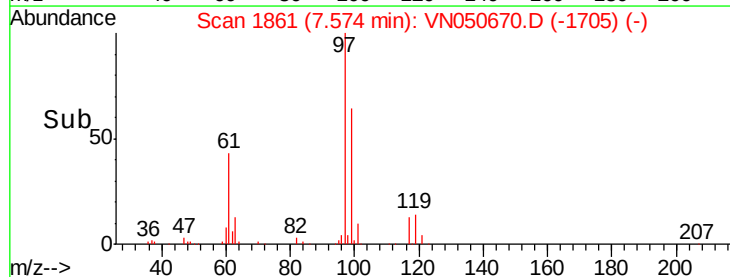
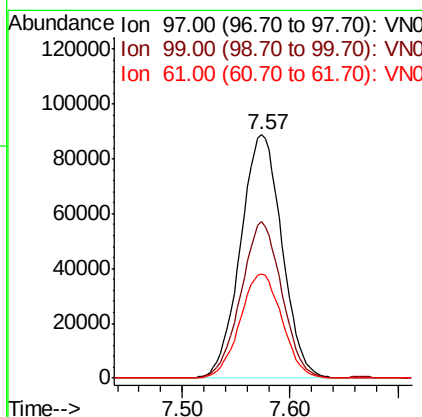
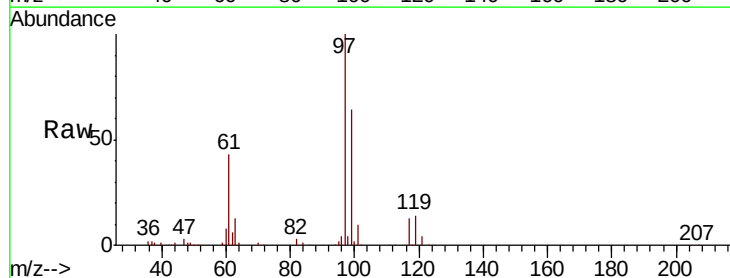
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0815WBSD02

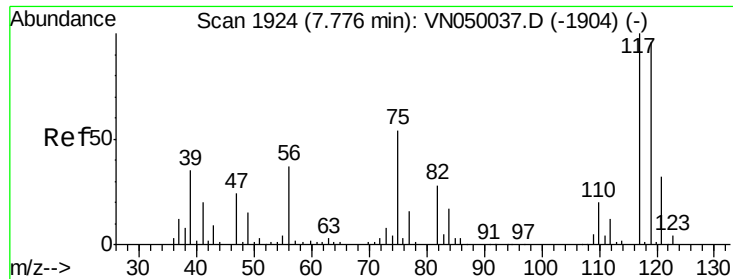
Tot Ion: 77 Resp: 168501
 Ion Ratio Lower Upper
 77 100
 97 24.8 18.9 28.3



#32
 1,1,1-Trichloroethane
 Concen: 20.28 ug/l
 RT: 7.57 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VN050670.D
 Acq: 15 Aug 2018 22:14

Tgt Ion: 97 Resp: 236980
 Ion Ratio Lower Upper
 97 100
 99 63.2 51.2 76.8
 61 43.5 35.3 52.9





#33

Carbon Tetrachloride

Concen: 19.96 ug/l

RT: 7.78 min Scan# 1924

Delta R.T. -0.00 min

Lab File: VN050670.D

Acq: 15 Aug 2018 22:14

Instrument :

MSVOA_N

ClientSampleID :

VN0815WBSD02

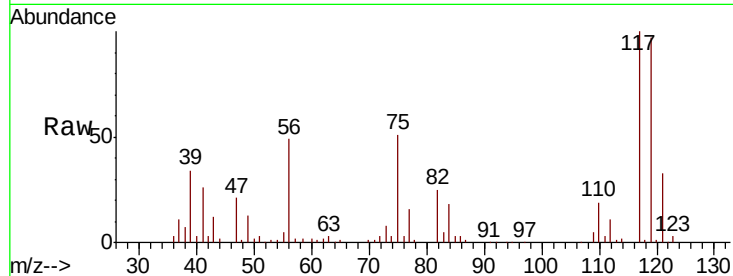
Tot Ion:117 Resp: 207925

Ion Ratio Lower Upper

117 100

119 96.5 76.9 115.3

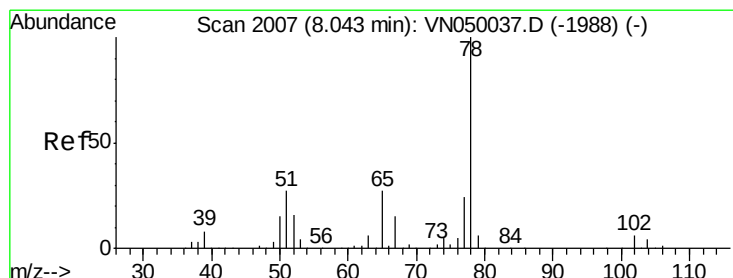
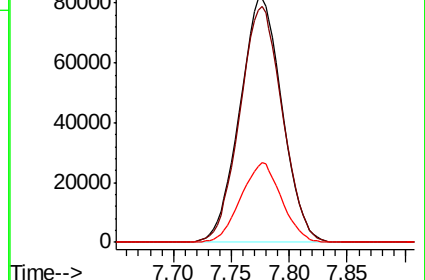
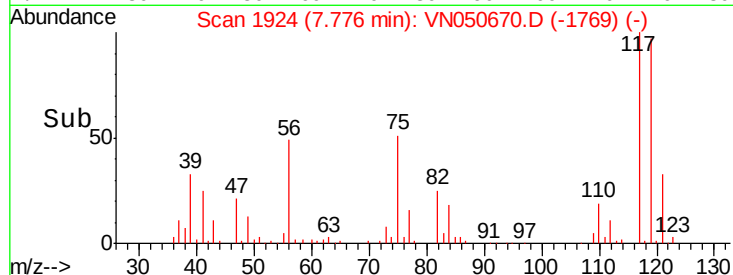
121 32.8 24.4 36.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#34

Benzene

Concen: 20.79 ug/l

RT: 8.04 min Scan# 2007

Delta R.T. -0.00 min

Lab File: VN050670.D

Acq: 15 Aug 2018 22:14

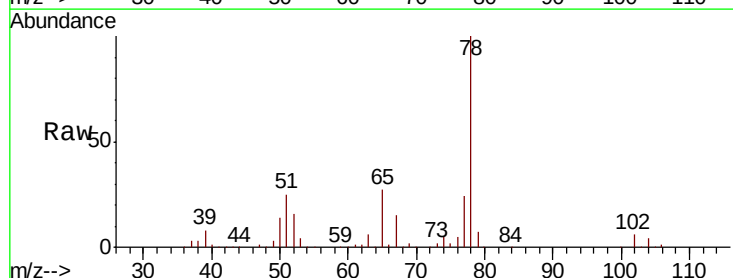
Tgt Ion: 78 Resp: 626712

Ion Ratio Lower Upper

78 100

77 24.1 19.1 28.7

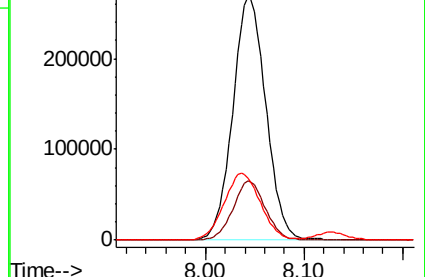
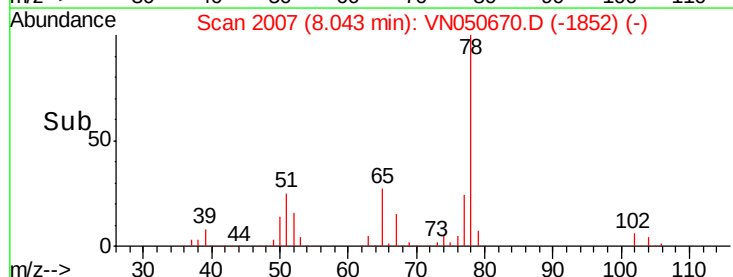
51 25.2 21.0 31.4

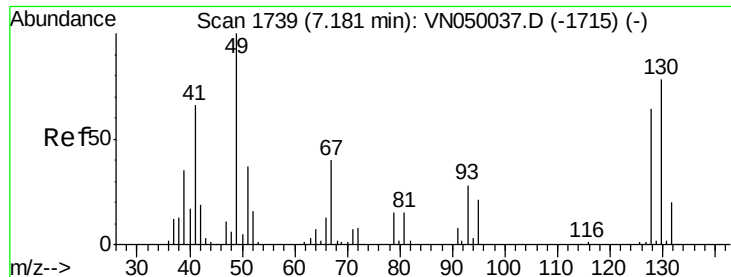


Abundance Ion 78.10 (77.80 to 78.80): V

Ion 77.00 (76.70 to 77.70): V

Ion 51.00 (50.70 to 51.70): V

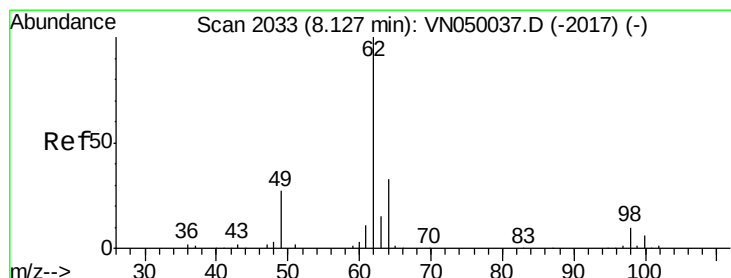
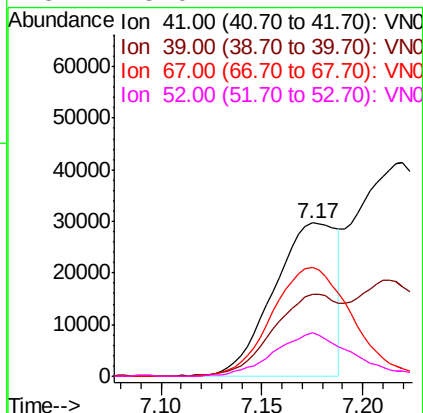
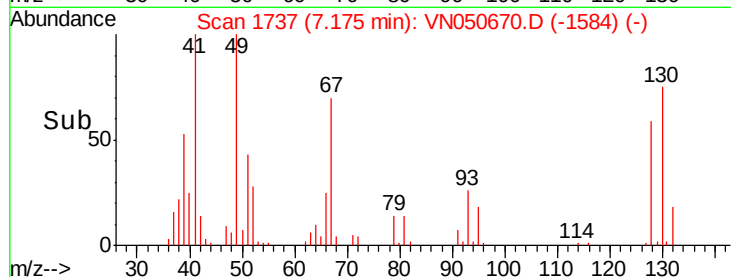
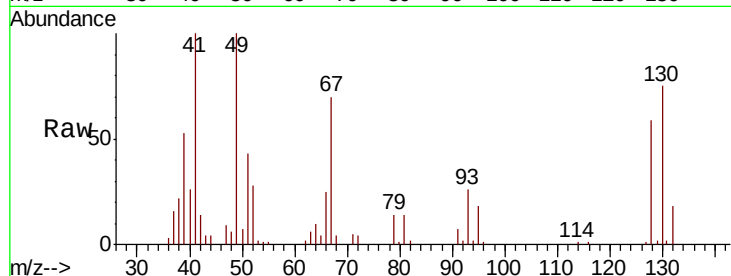




#35
Methacrylonitrile
Concen: 18.19 ug/l
RT: 7.17 min Scan# 1737
Delta R.T. -0.01 min
Lab File: VN050670.D
Acq: 15 Aug 2018 22:14

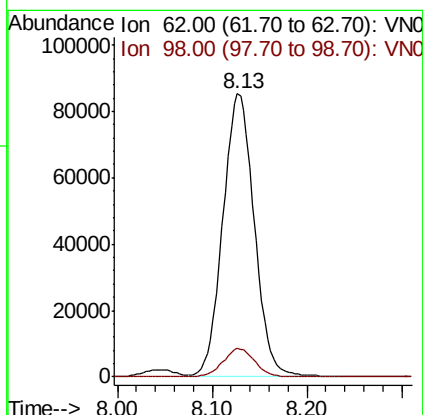
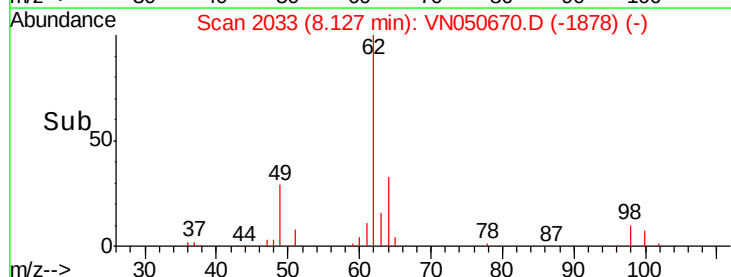
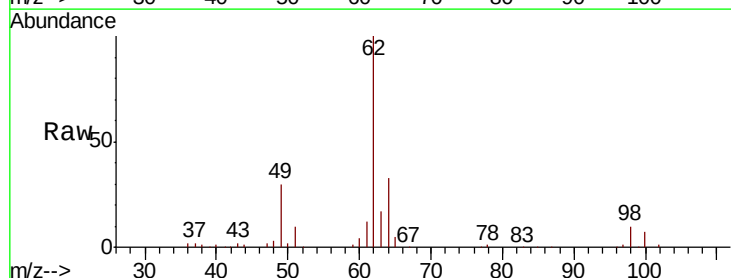
Instrument :
MSVOA_N
ClientSampleId :
VN0815WBSD02

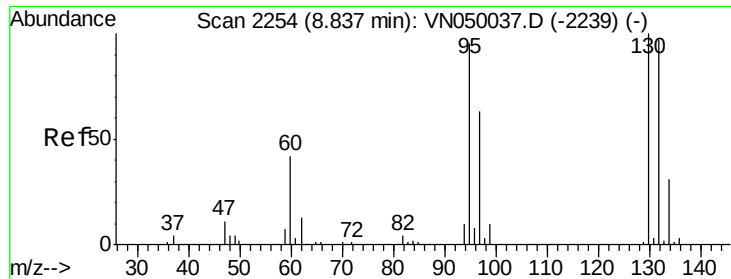
Tot Ion: 41 Resp: 64532
Ion Ratio Lower Upper
41 100
39 53.5 27.6 82.7
67 70.5 35.1 105.5
52 28.0 14.1 42.4



#36
1,2-Dichloroethane
Concen: 19.86 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. -0.00 min
Lab File: VN050670.D
Acq: 15 Aug 2018 22:14

Tgt Ion: 62 Resp: 196611
Ion Ratio Lower Upper
62 100
98 10.0 7.8 11.6

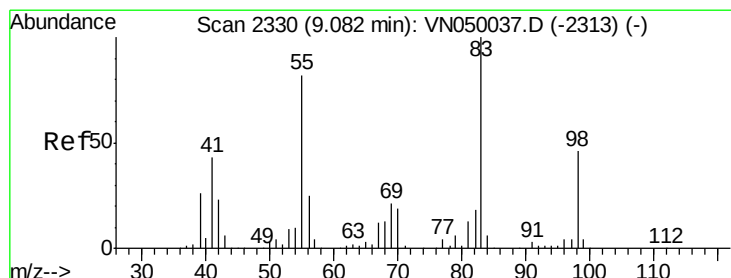
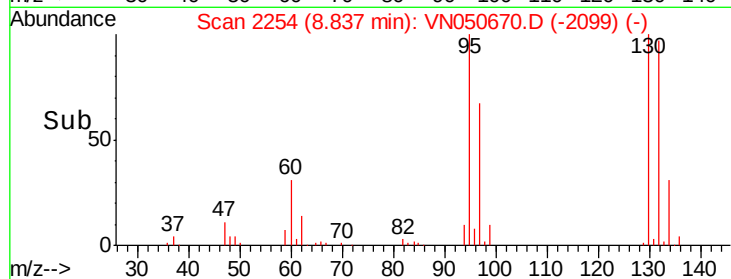
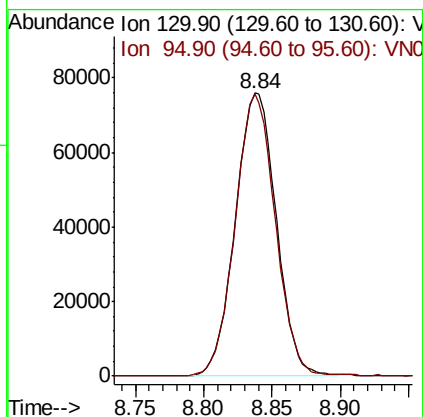
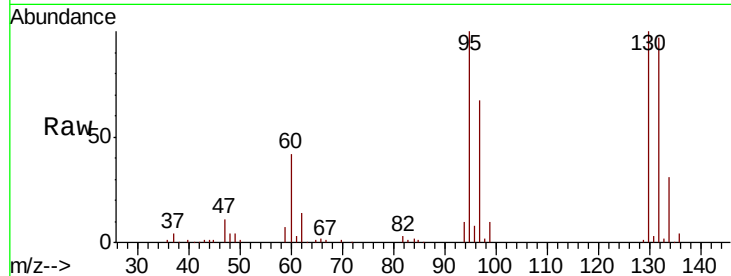




#37
 Trichloroethene
 Concen: 20.01 ug/l
 RT: 8.84 min Scan# 2254
 Delta R.T. -0.00 min
 Lab File: VN050670.D
 Acq: 15 Aug 2018 22:14

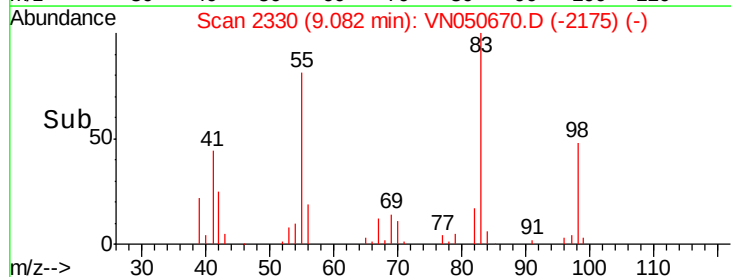
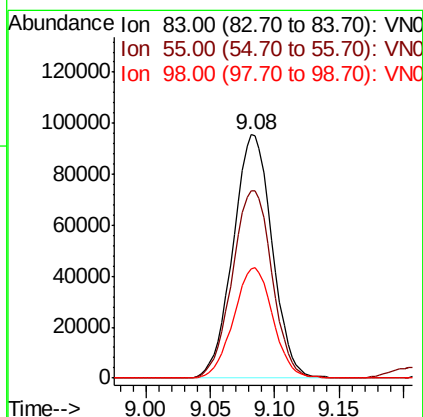
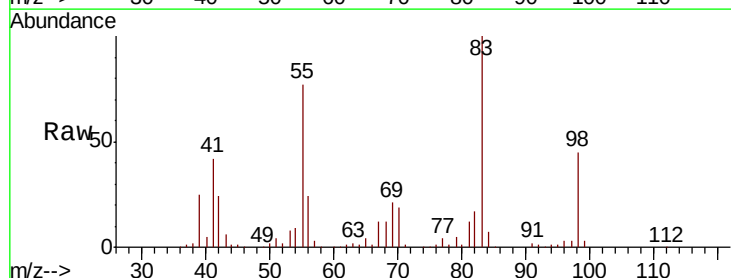
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0815WBSD02

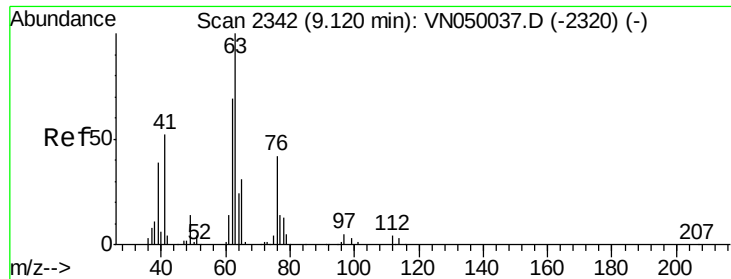
Tot Ion:130 Resp: 158212
 Ion Ratio Lower Upper
 130 100
 95 99.5 79.7 119.5



#38
 Methylcyclohexane
 Concen: 19.25 ug/l
 RT: 9.08 min Scan# 2330
 Delta R.T. -0.00 min
 Lab File: VN050670.D
 Acq: 15 Aug 2018 22:14

Tgt Ion: 83 Resp: 201461
 Ion Ratio Lower Upper
 83 100
 55 78.5 39.3 117.8
 98 45.5 23.0 69.0





#39

1,2-Dichloropropane

Concen: 20.80 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. -0.00 min

Lab File: VN050670.D

Acq: 15 Aug 2018 22:14

Instrument :

MSVOA_N

ClientSampleId :

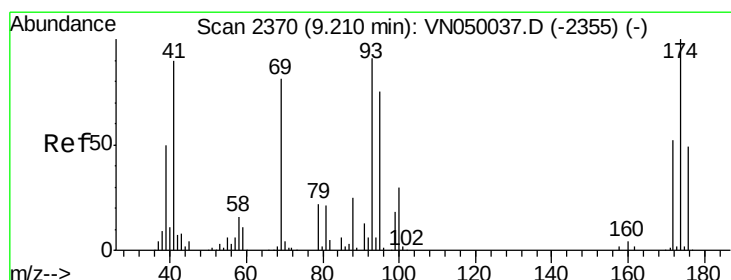
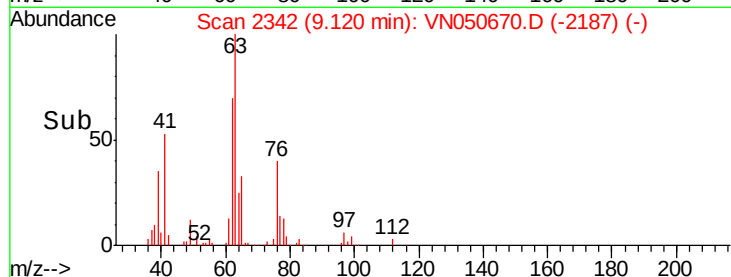
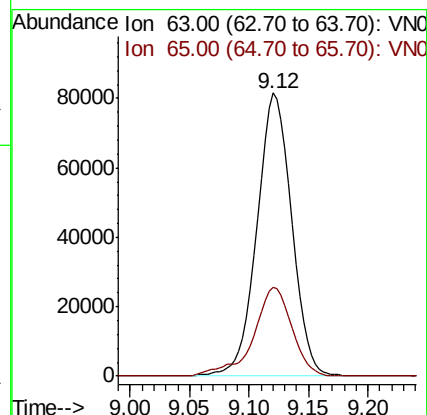
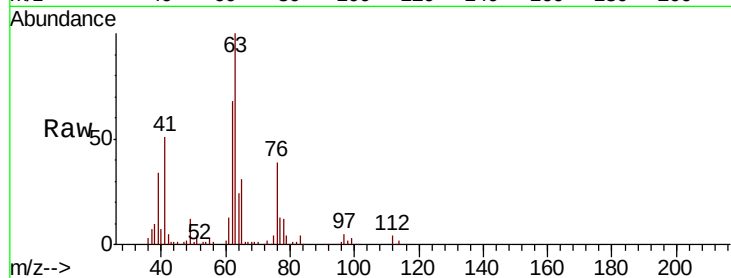
VN0815WBSD02

Tot Ion: 63 Resp: 165170

Ion Ratio Lower Upper

63 100

65 31.1 24.2 36.2



#40

Dibromomethane

Concen: 20.00 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VN050670.D

Acq: 15 Aug 2018 22:14

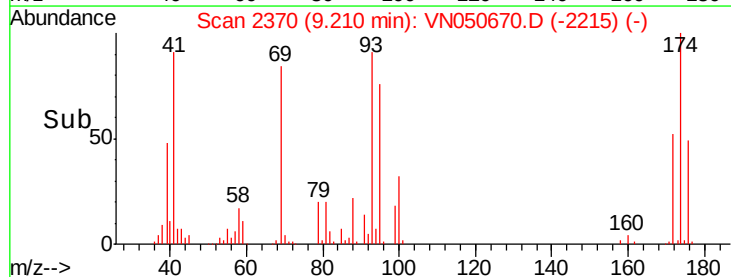
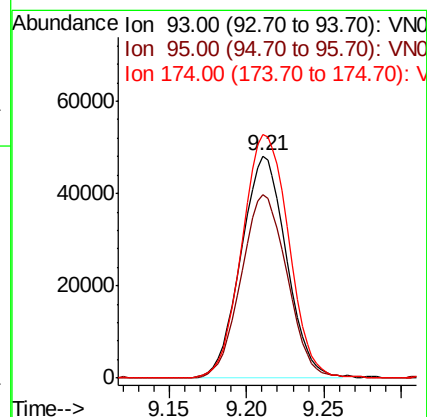
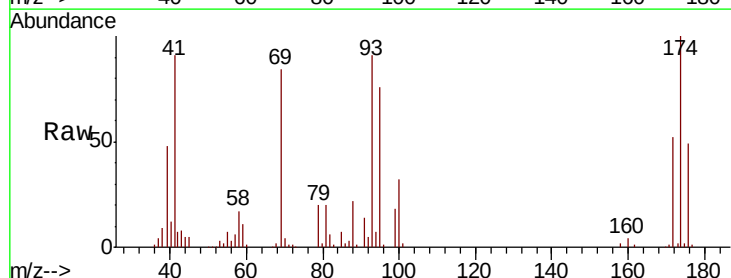
Tgt Ion: 93 Resp: 98194

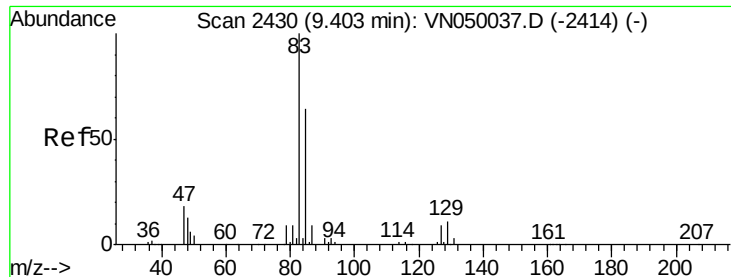
Ion Ratio Lower Upper

93 100

95 83.4 0.0 165.6

174 112.9 0.0 223.2





#41

Bromodichloromethane

Concen: 20.12 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. -0.00 min

Lab File: VN050670.D

Acq: 15 Aug 2018 22:14

Instrument :

MSVOA_N

ClientSampleId :

VN0815WBSD02

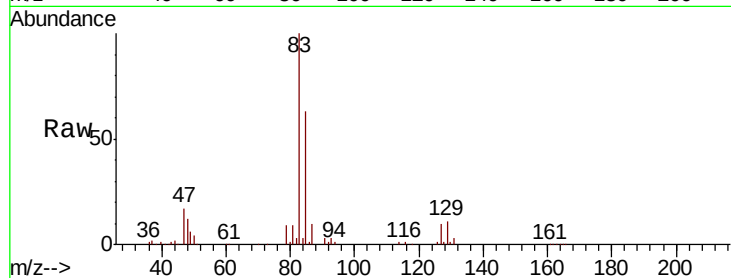
Tot Ion: 83 Resp: 208277

Ion Ratio Lower Upper

83 100

85 62.6 52.6 78.8

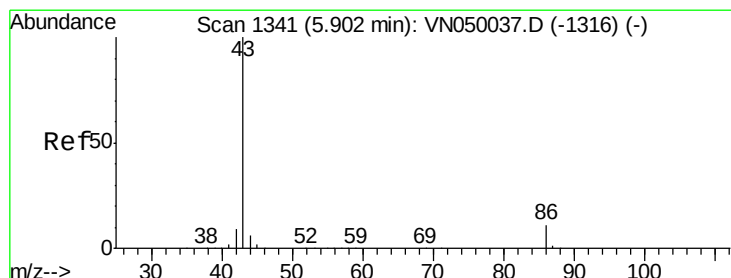
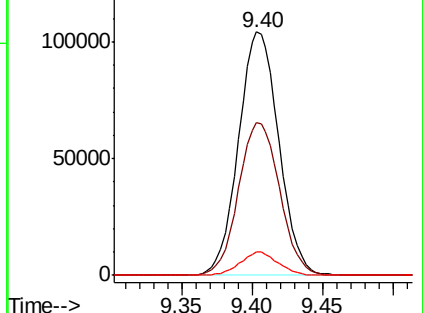
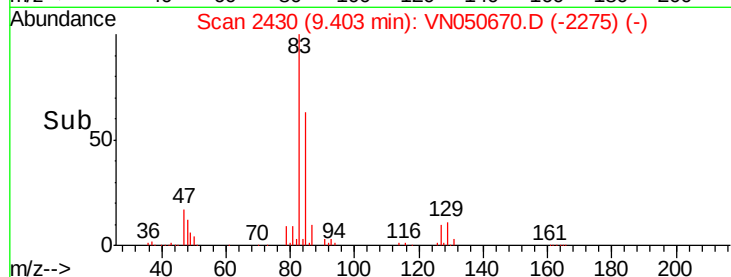
127 9.6 7.0 10.4



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: 102.05 ug/l

RT: 5.90 min Scan# 1341

Delta R.T. -0.00 min

Lab File: VN050670.D

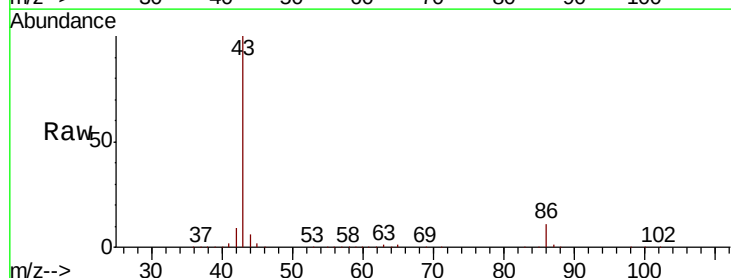
Acq: 15 Aug 2018 22:14

Tgt Ion: 43 Resp: 1495942

Ion Ratio Lower Upper

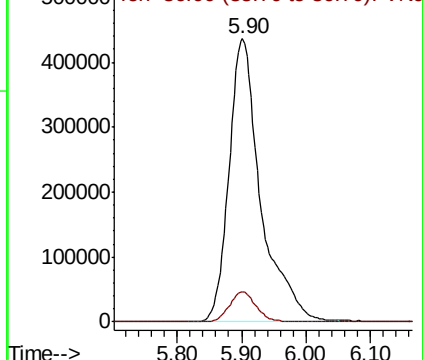
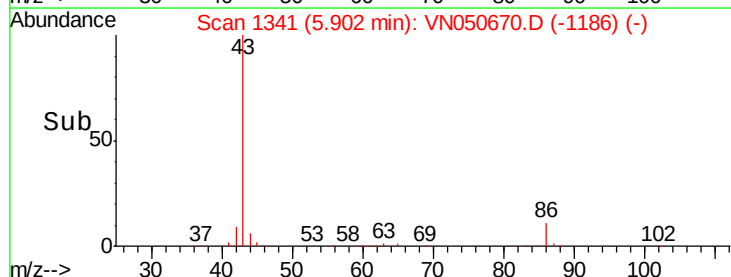
43 100

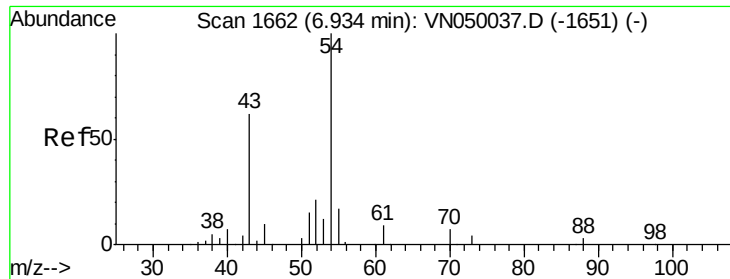
86 9.1 7.3 10.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0





#43

Ethyl Acetate

Concen: 20.51 ug/l

RT: 6.93 min Scan# 1662

Delta R.T. -0.00 min

Lab File: VN050670.D

Acq: 15 Aug 2018 22:14

Instrument :

MSVOA_N

ClientSampleId :

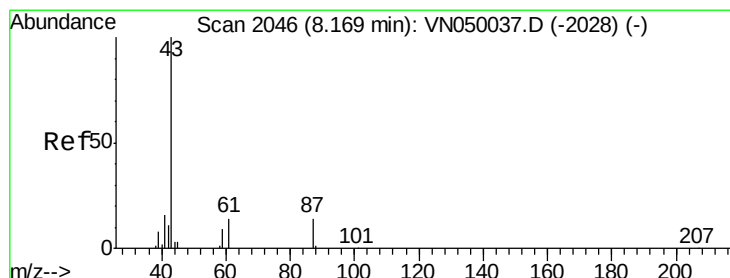
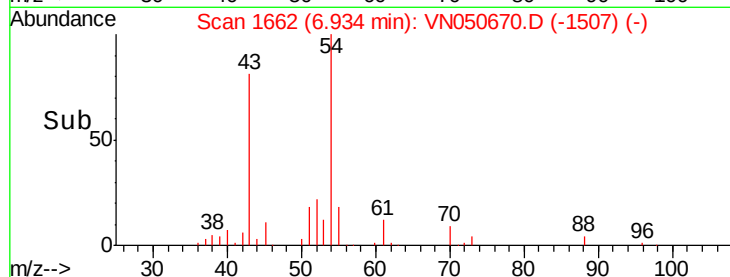
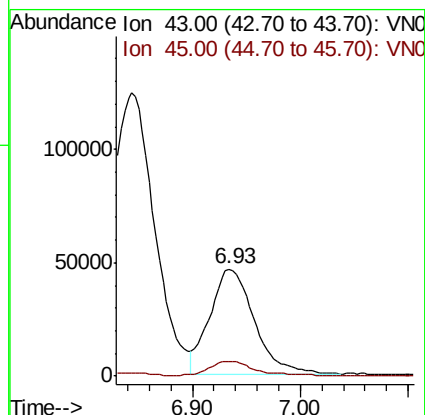
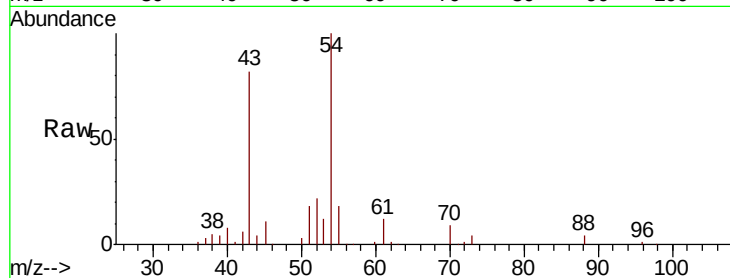
VN0815WBSD02

Tot Ion: 43 Resp: 133437

Ion Ratio Lower Upper

43 100

45 15.4 13.0 19.6



#44

Isopropyl Acetate

Concen: 18.91 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. -0.00 min

Lab File: VN050670.D

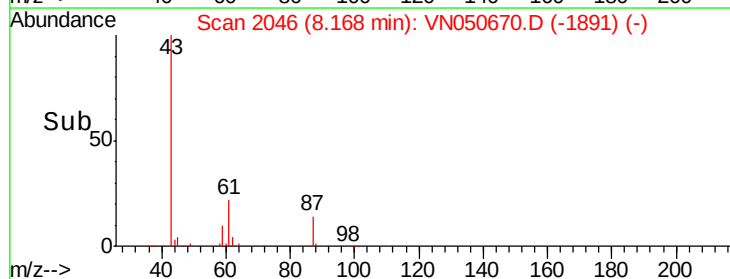
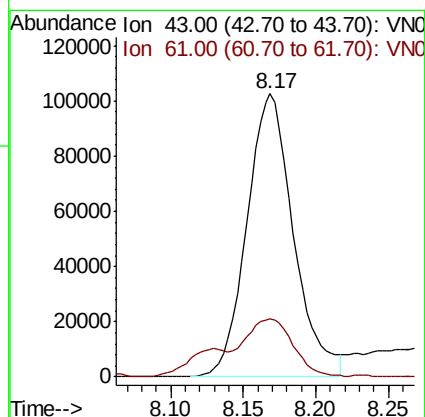
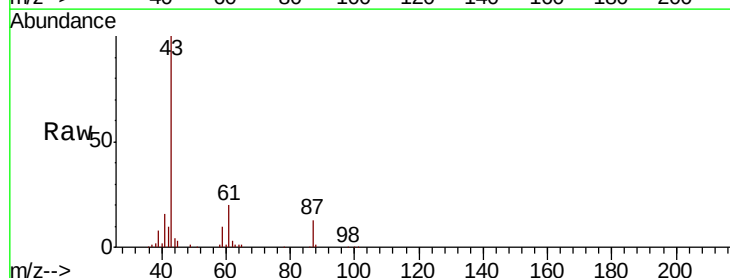
Acq: 15 Aug 2018 22:14

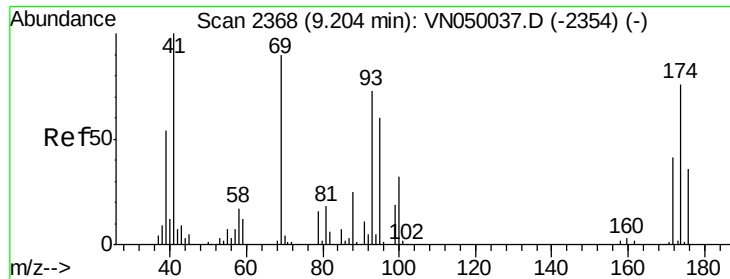
Tgt Ion: 43 Resp: 227824

Ion Ratio Lower Upper

43 100

61 20.3 16.4 24.6

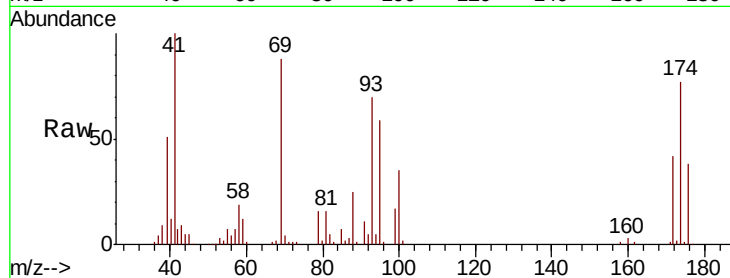




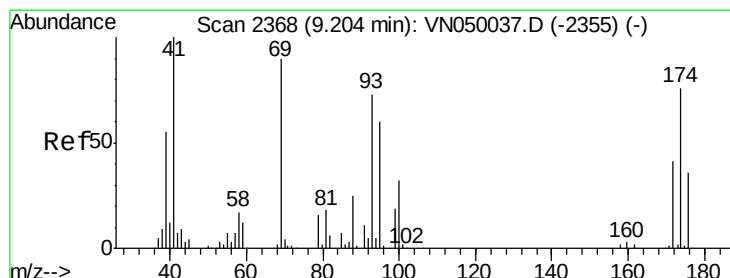
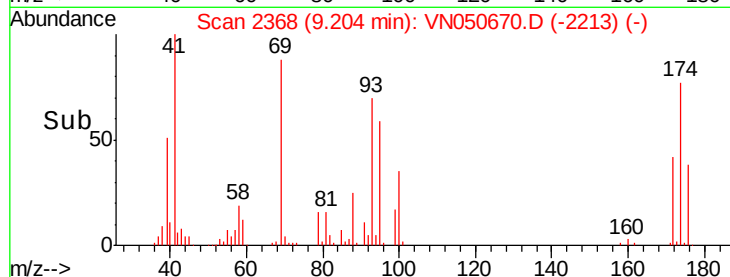
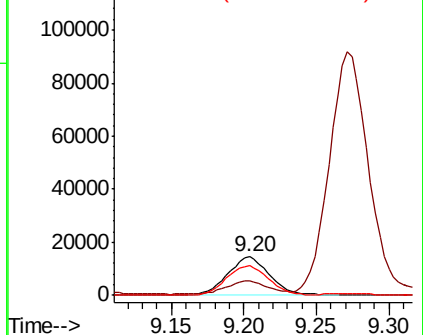
#45
 1,4-Dioxane
 Concen: 367.98 ug/l
 RT: 9.20 min Scan# 2368
 Delta R.T. -0.00 min
 Lab File: VN050670.D
 Acq: 15 Aug 2018 22:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0815WBSD02

Tot Ion: 88 Resp: 29179
 Ion Ratio Lower Upper
 88 100
 43 33.0 26.9 40.3
 58 76.9 53.6 80.4

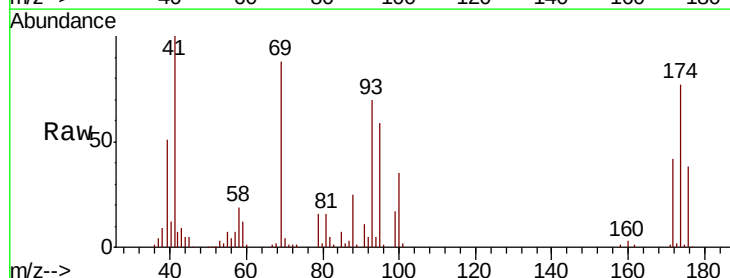


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

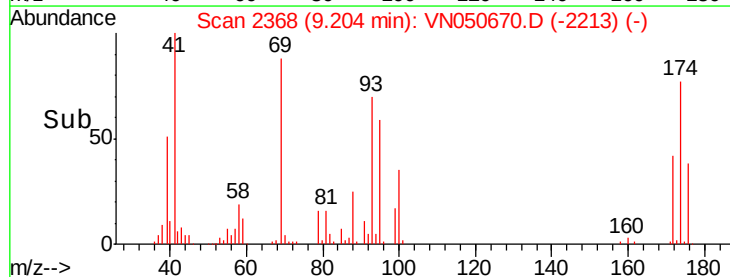
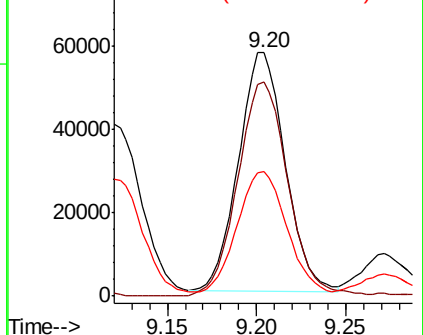


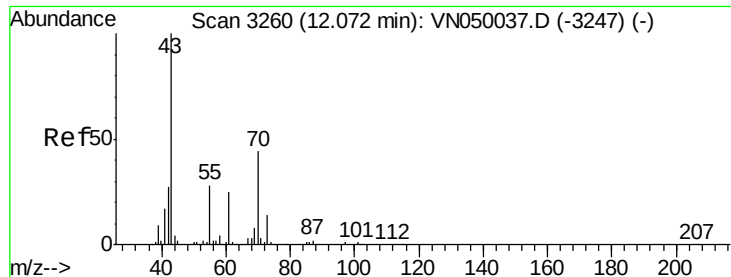
#46
 Methyl methacrylate
 Concen: 18.01 ug/l
 RT: 9.20 min Scan# 2368
 Delta R.T. -0.00 min
 Lab File: VN050670.D
 Acq: 15 Aug 2018 22:14

Tgt Ion: 41 Resp: 105183
 Ion Ratio Lower Upper
 41 100
 69 89.8 44.0 132.1
 39 50.6 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

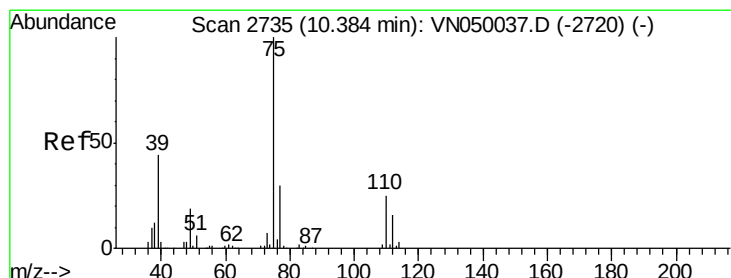
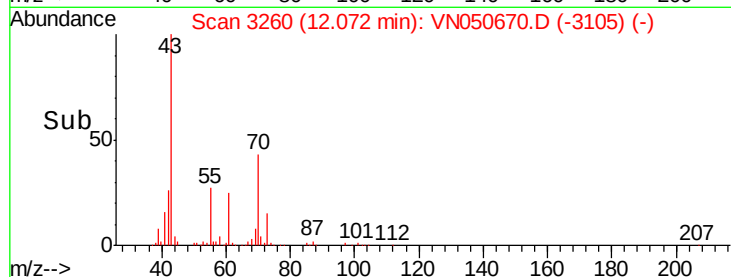
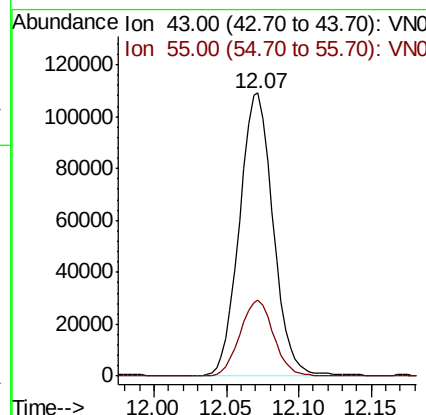
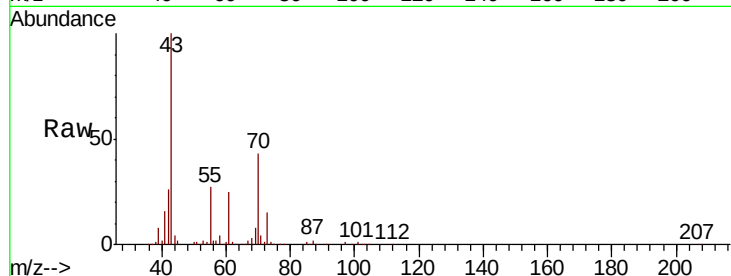




#47
n-amyl Acetate
Concen: 18.66 ug/l
RT: 12.07 min Scan# 3260
Delta R.T. -0.00 min
Lab File: VN050670.D
Acq: 15 Aug 2018 22:14

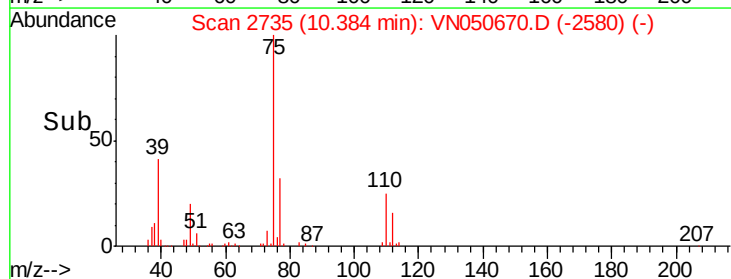
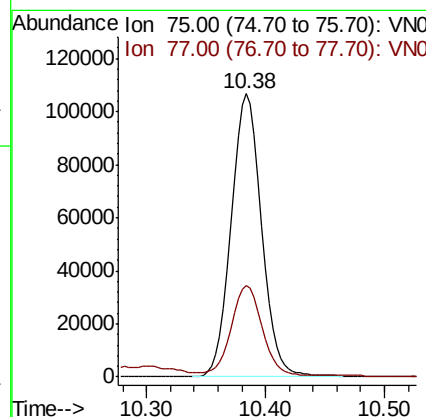
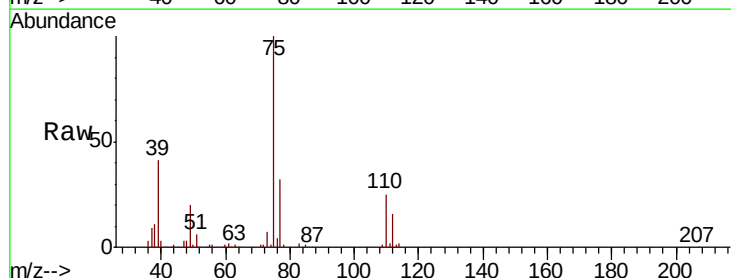
Instrument :
MSVOA_N
ClientSampleId :
VN0815WBSD02

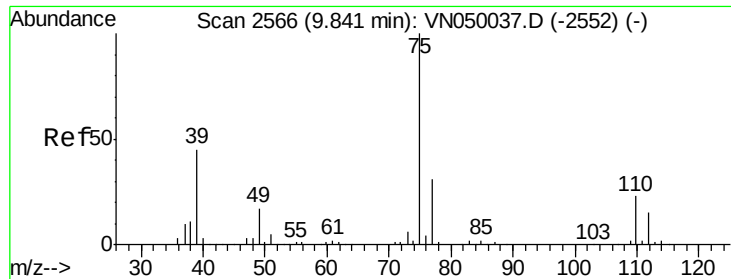
Tot Ion: 43 Resp: 175011
Ion Ratio Lower Upper
43 100
55 26.9 21.0 31.4



#48
t-1,3-Dichloropropene
Concen: 19.19 ug/l
RT: 10.38 min Scan# 2735
Delta R.T. -0.00 min
Lab File: VN050670.D
Acq: 15 Aug 2018 22:14

Tgt Ion: 75 Resp: 189346
Ion Ratio Lower Upper
75 100
77 31.7 24.6 37.0

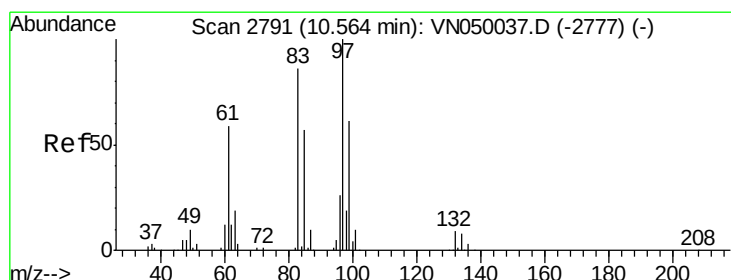
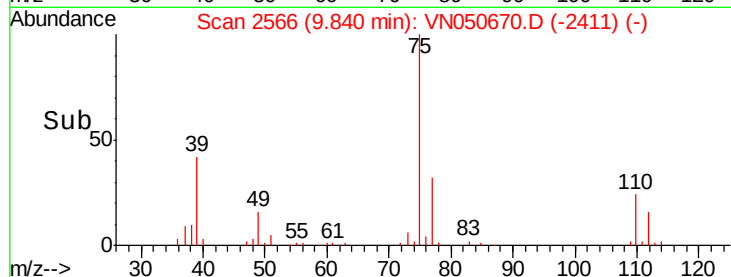
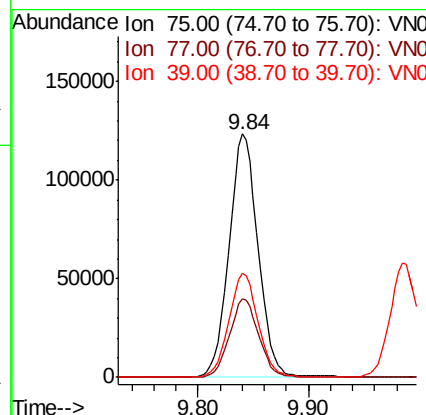
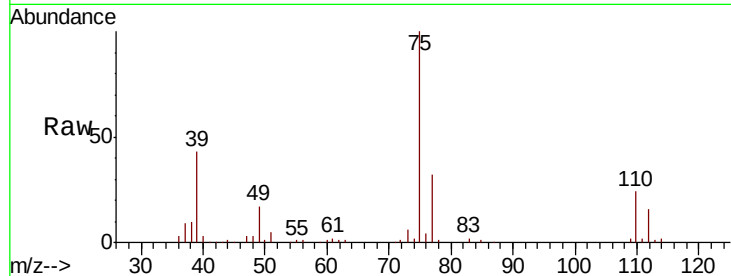




#49
 cis-1,3-Dichloropropene
 Concen: 19.41 ug/l
 RT: 9.84 min Scan# 2566
 Delta R.T. -0.00 min
 Lab File: VN050670.D
 Acq: 15 Aug 2018 22:14

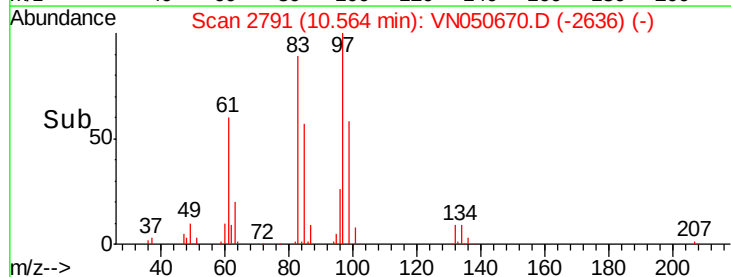
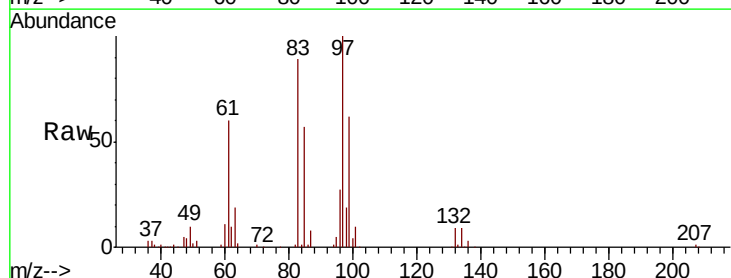
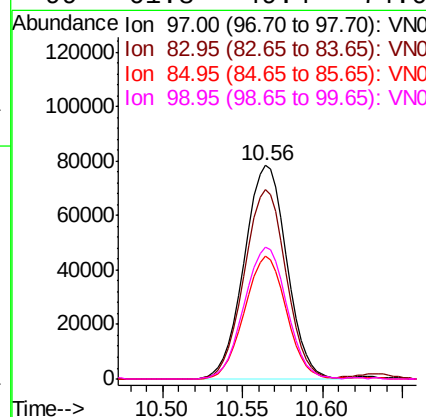
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0815WBSD02

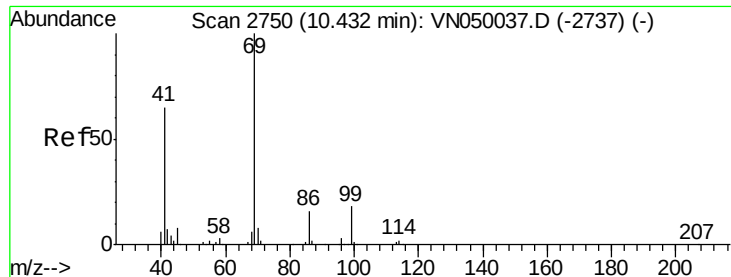
Tot Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.7	38.5
39	42.6	36.3	54.5



#50
 1,1,2-Trichloroethane
 Concen: 20.27 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. -0.00 min
 Lab File: VN050670.D
 Acq: 15 Aug 2018 22:14

Tgt Ion	Ratio	Lower	Upper
97	100		
83	88.6	68.1	102.1
85	57.5	45.4	68.2
99	61.8	49.4	74.0





#51

Ethyl methacrylate

Concen: 19.37 ug/l

RT: 10.43 min Scan# 2750

Delta R.T. -0.00 min

Lab File: VN050670.D

Acq: 15 Aug 2018 22:14

Instrument :

MSVOA_N

ClientSampleId :

VN0815WBSD02

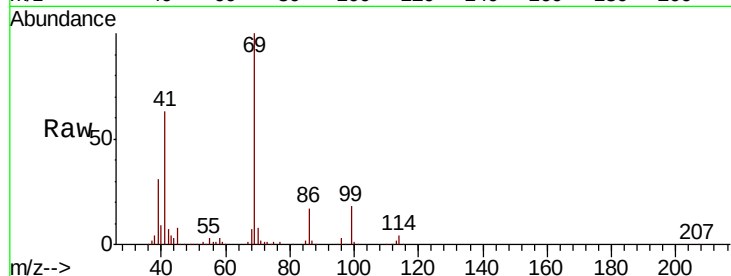
Tot Ion: 69 Resp: 165635

Ion Ratio Lower Upper

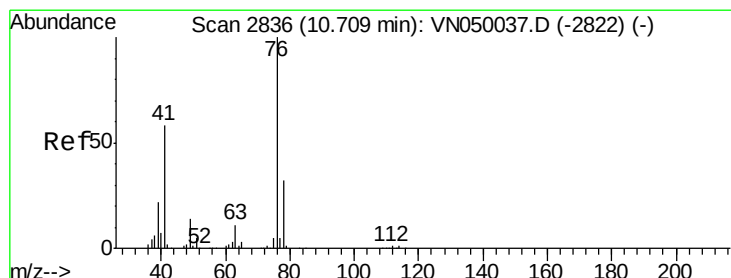
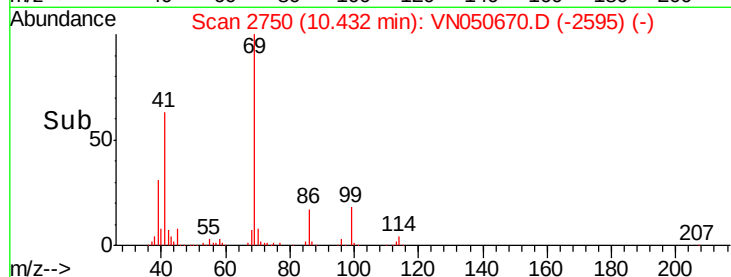
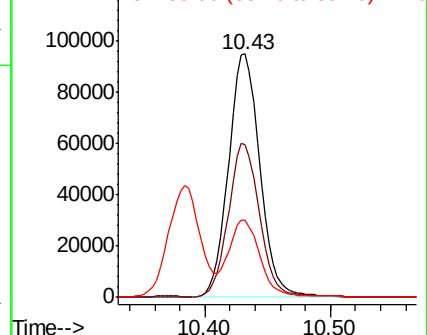
69 100

41 62.6 31.9 95.9

39 31.1 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: 19.98 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. -0.00 min

Lab File: VN050670.D

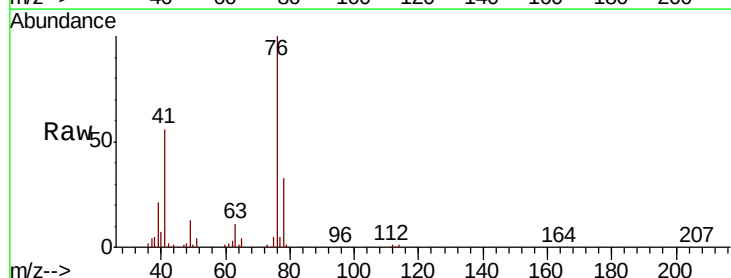
Acq: 15 Aug 2018 22:14

Tgt Ion: 76 Resp: 231132

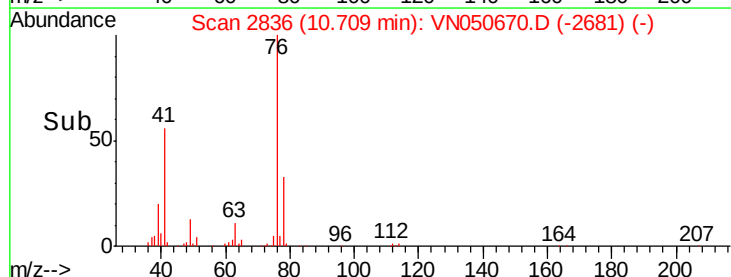
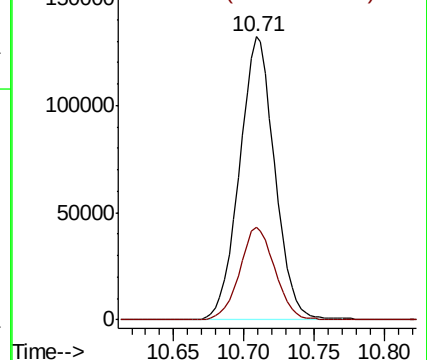
Ion Ratio Lower Upper

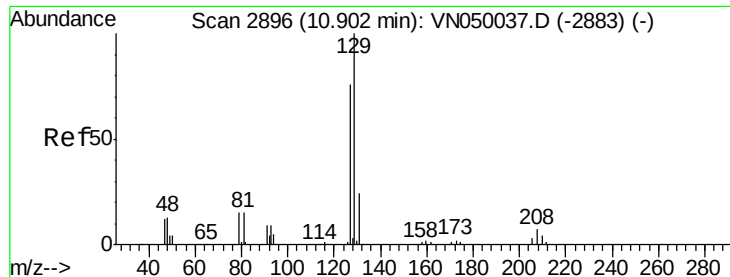
76 100

78 32.8 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: 19.49 ug/l

RT: 10.90 min Scan# 2897

Delta R.T. 0.00 min

Lab File: VN050670.D

Acq: 15 Aug 2018 22:14

Instrument :

MSVOA_N

ClientSampleId :

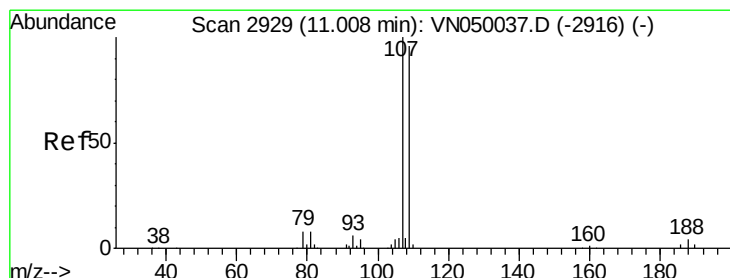
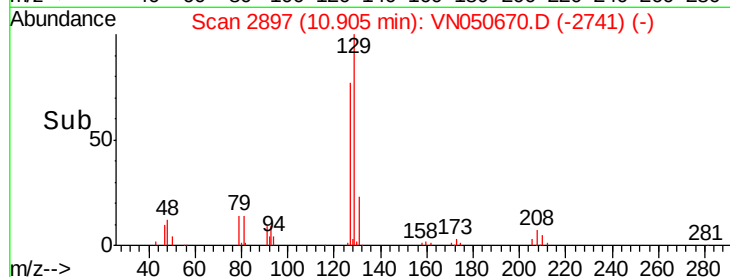
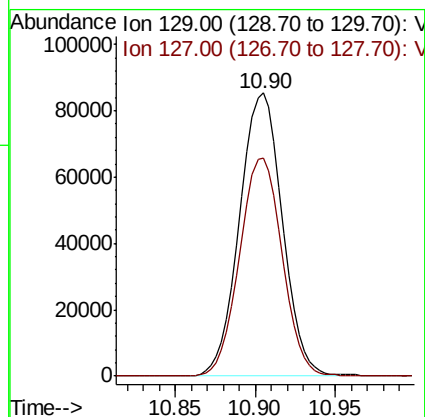
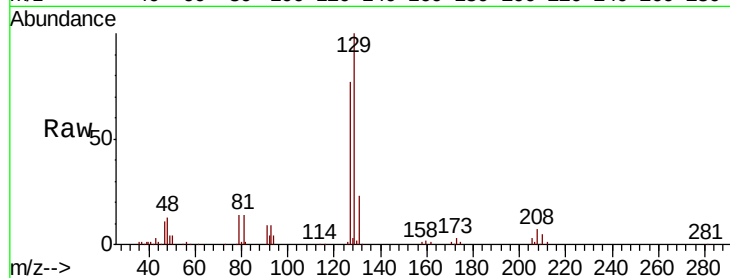
VN0815WBSD02

Tot Ion:129 Resp: 155883

Ion Ratio Lower Upper

129 100

127 76.8 38.1 114.5



#54

1,2-Dibromoethane

Concen: 19.53 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. -0.00 min

Lab File: VN050670.D

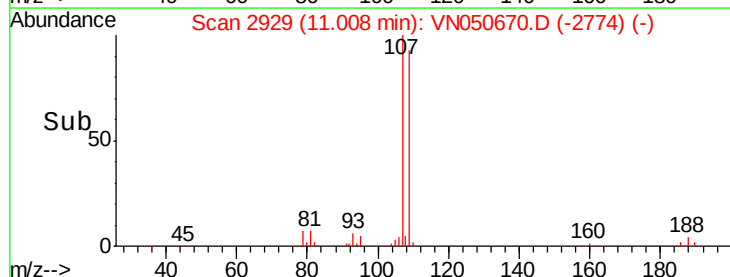
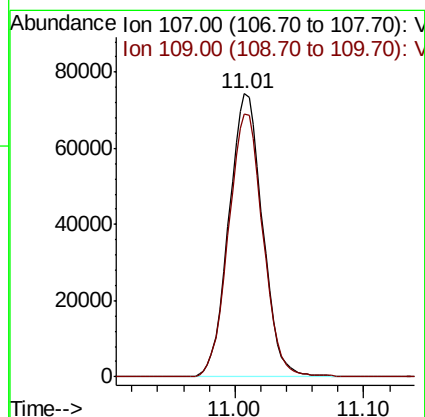
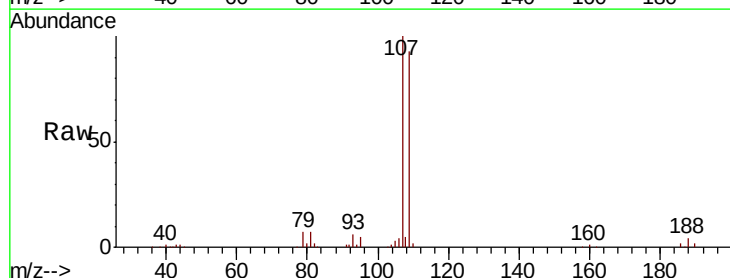
Acq: 15 Aug 2018 22:14

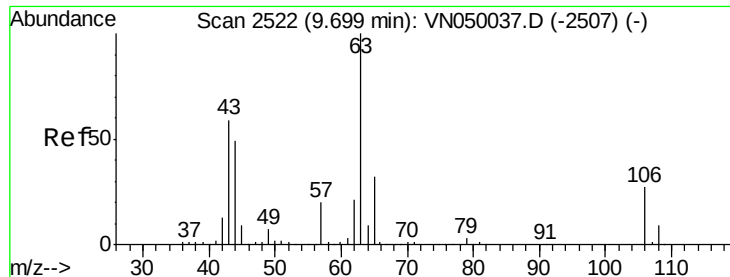
Tgt Ion:107 Resp: 134794

Ion Ratio Lower Upper

107 100

109 94.9 76.2 114.2

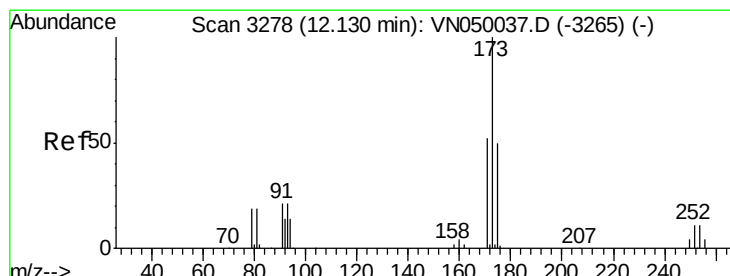
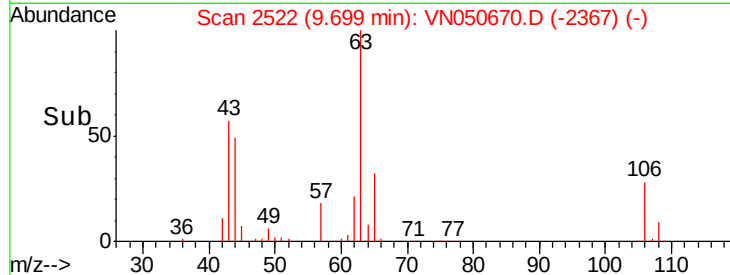
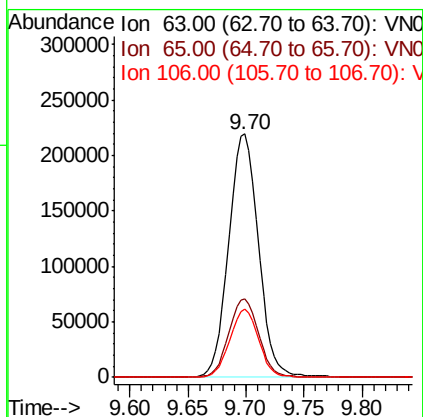
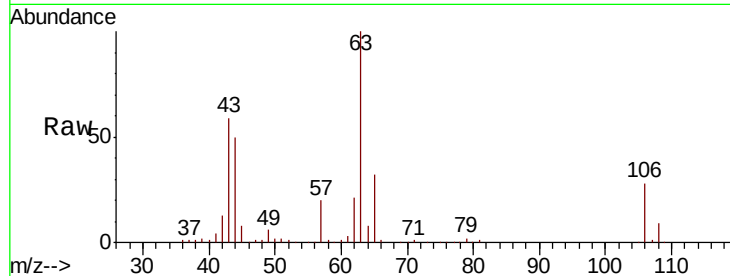




#55
2-Chloroethyl vinyl ether
Concen: 100.72 ug/l
RT: 9.70 min Scan# 2522
Delta R.T. -0.00 min
Lab File: VN050670.D
Acq: 15 Aug 2018 22:14

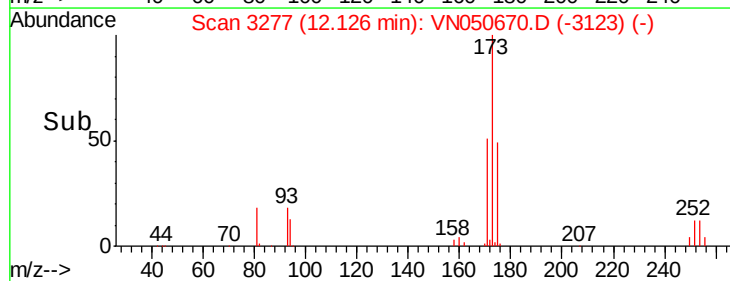
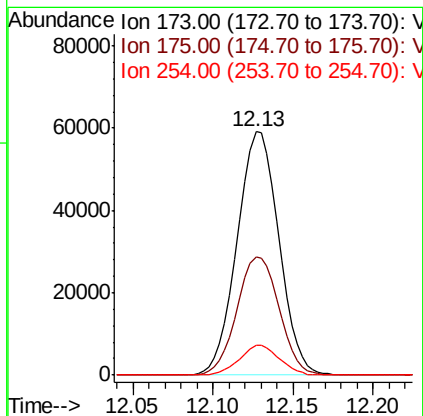
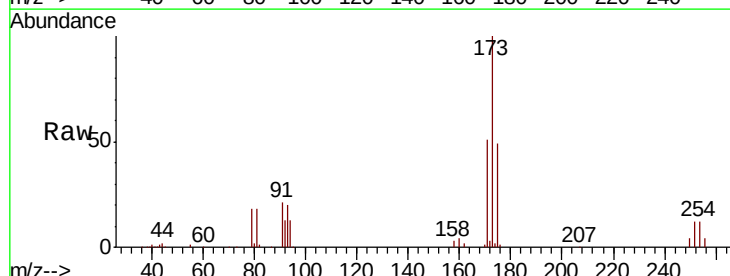
Instrument :
MSVOA_N
ClientSampleId :
VN0815WBSD02

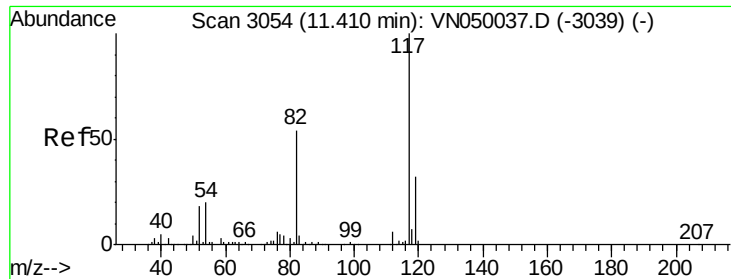
Tot Ion: 63 Resp: 389851
Ion Ratio Lower Upper
63 100
65 32.4 25.5 38.3
106 27.3 21.8 32.6



#56
Bromoform
Concen: 18.65 ug/l
RT: 12.13 min Scan# 3277
Delta R.T. -0.00 min
Lab File: VN050670.D
Acq: 15 Aug 2018 22:14

Tgt Ion: 173 Resp: 105279
Ion Ratio Lower Upper
173 100
175 49.0 38.6 57.8
254 11.7 8.8 13.2

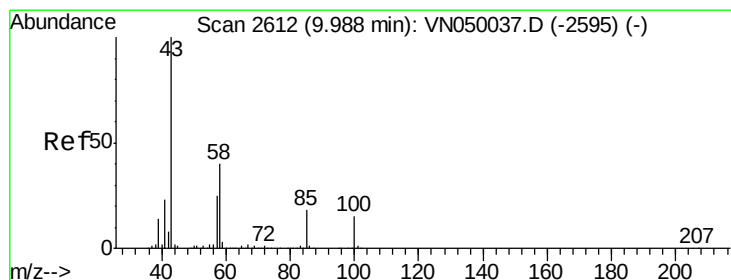
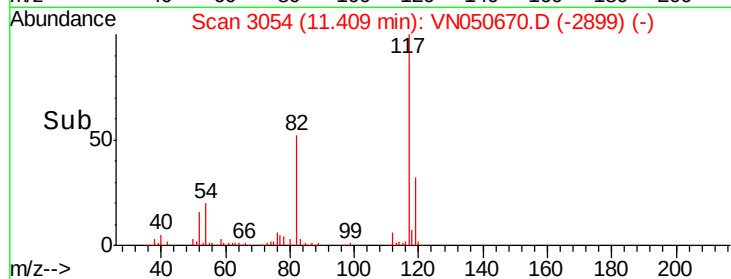
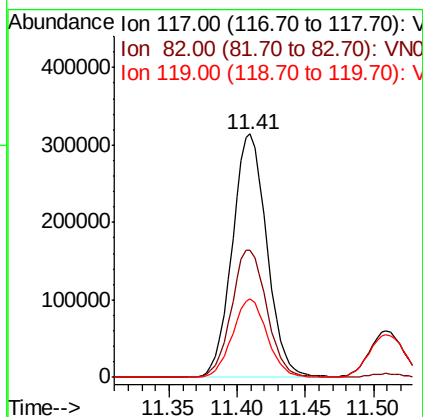
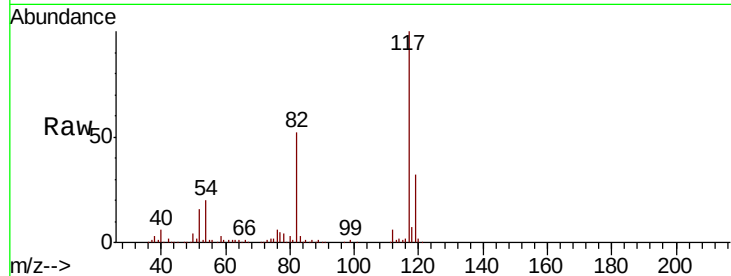




#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN050670.D
Acq: 15 Aug 2018 22:14

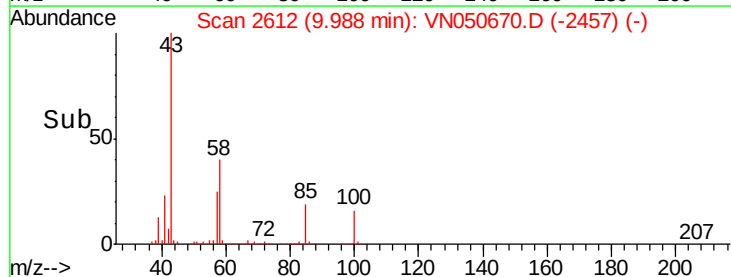
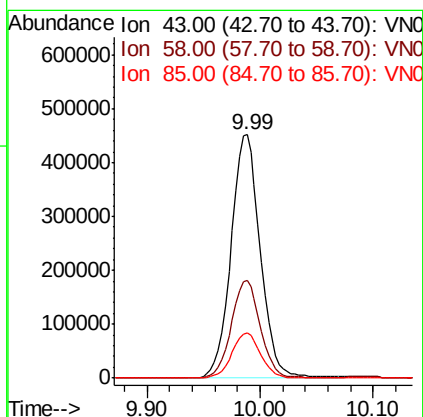
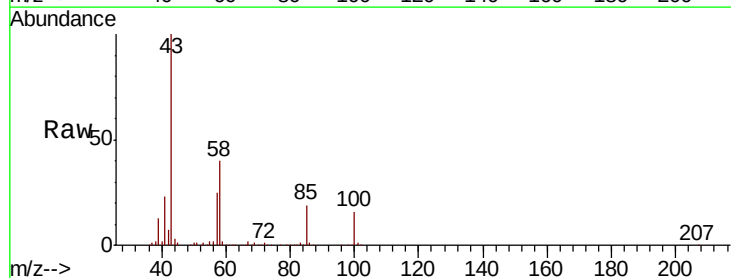
Instrument :
MSVOA_N
ClientSampleId :
VN0815WBSD02

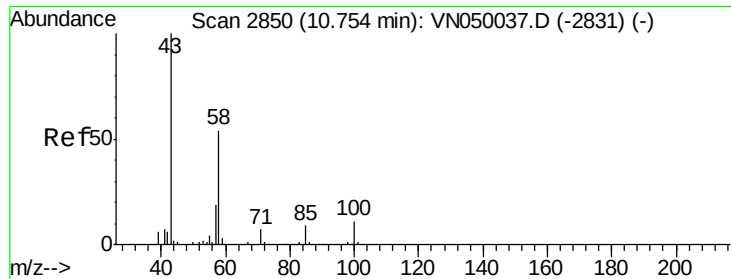
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.3	42.4	63.6
119	32.4	25.4	38.0



#58
4-Methyl-2-Pentanone
Concen: 125.54 ug/l
RT: 9.99 min Scan# 2612
Delta R.T. -0.00 min
Lab File: VN050670.D
Acq: 15 Aug 2018 22:14

Tgt Ion	Ratio	Lower	Upper
43	100		
58	40.1	31.2	46.8
85	18.3	14.4	21.6

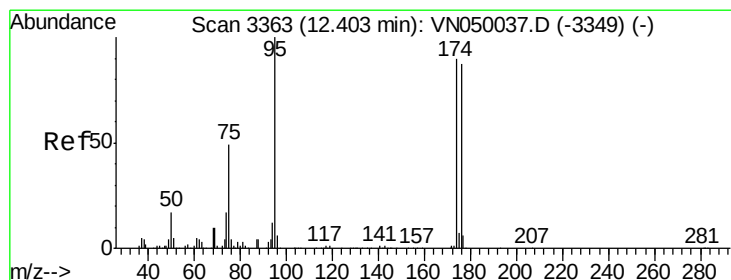
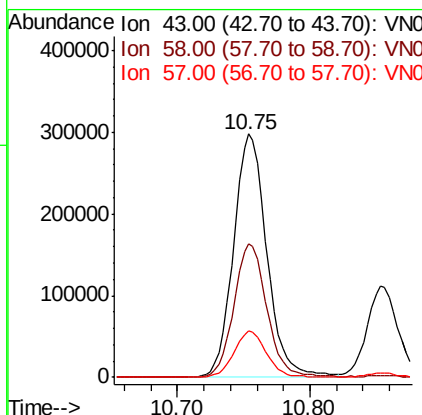
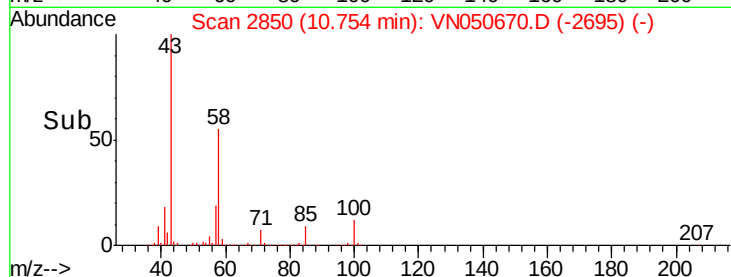
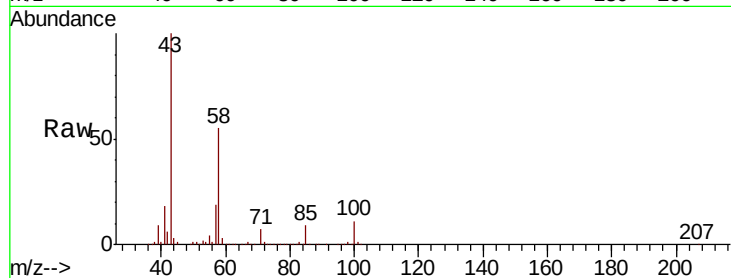




#59
2-Hexanone
Concen: 117.51 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. -0.00 min
Lab File: VN050670.D
Acq: 15 Aug 2018 22:14

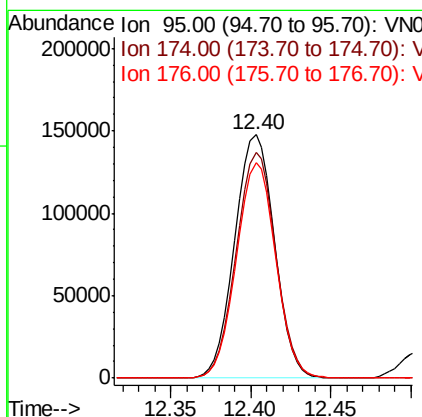
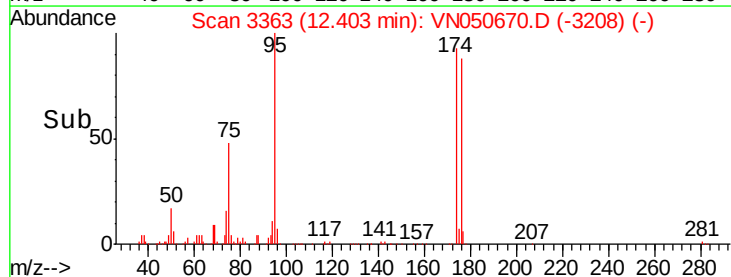
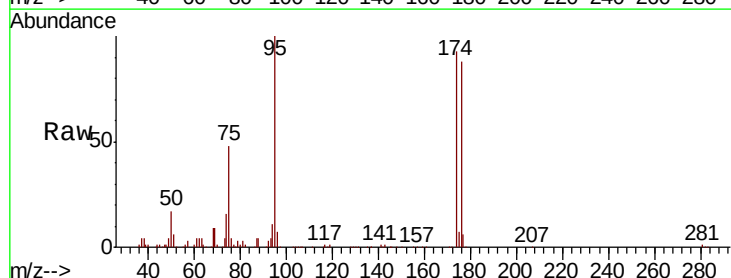
Instrument :
MSVOA_N
ClientSampleId :
VN0815WBSD02

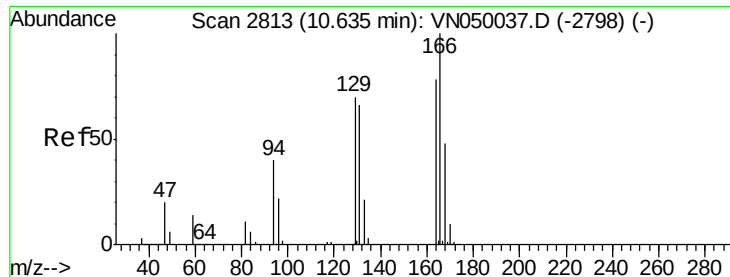
Tot Ion: 43 Resp: 516211
Ion Ratio Lower Upper
43 100
58 54.7 43.8 65.8
57 18.8 15.1 22.7



#60
4-Bromofluorobenzene
Concen: 29.41 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. -0.00 min
Lab File: VN050670.D
Acq: 15 Aug 2018 22:14

Tgt Ion: 95 Resp: 250050
Ion Ratio Lower Upper
95 100
174 92.0 72.3 108.5
176 87.5 70.0 105.0





#61

Tetrachloroethene

Concen: 20.67 ug/l

RT: 10.63 min Scan# 2812

Delta R.T. -0.00 min

Lab File: VN050670.D

Acq: 15 Aug 2018 22:14

Instrument :

MSVOA_N

ClientSampleId :

VN0815WBSD02

Tot Ion:164 Resp: 154956

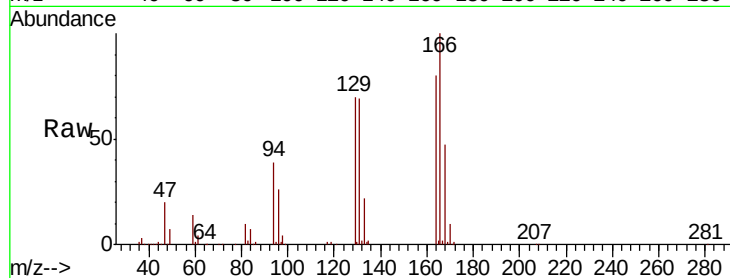
Ion Ratio Lower Upper

164 100

166 125.6 100.0 150.0

129 88.3 69.3 103.9

131 86.1 68.8 103.2

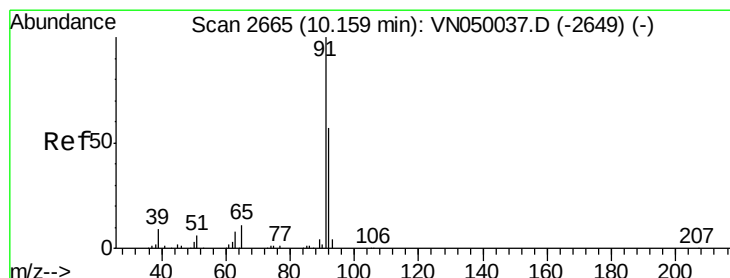
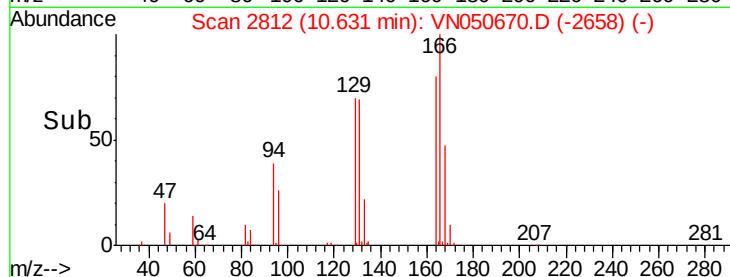
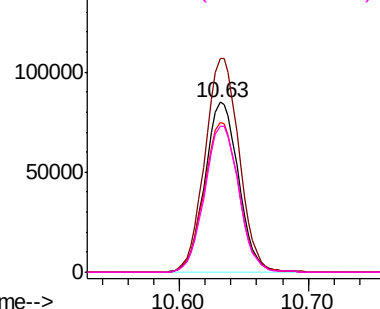


Abundance Ion 163.85 (163.55 to 164.55): V

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: 20.90 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. -0.00 min

Lab File: VN050670.D

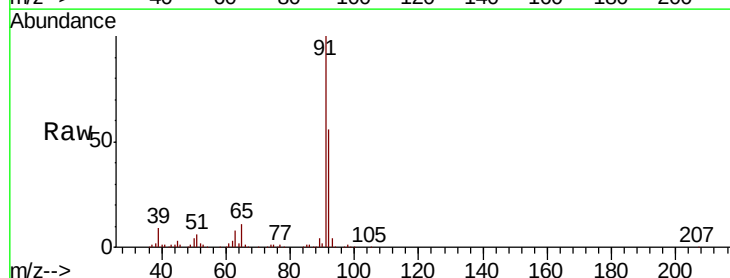
Acq: 15 Aug 2018 22:14

Tgt Ion: 91 Resp: 659839

Ion Ratio Lower Upper

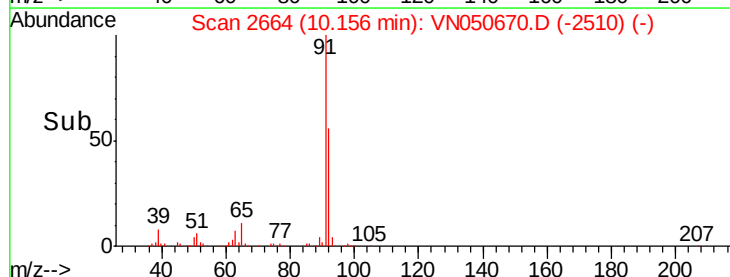
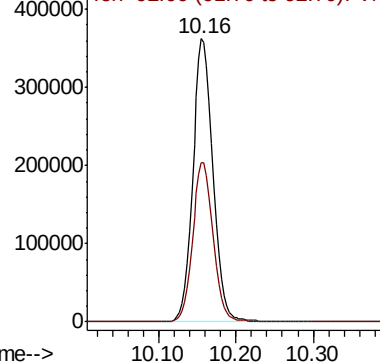
91 100

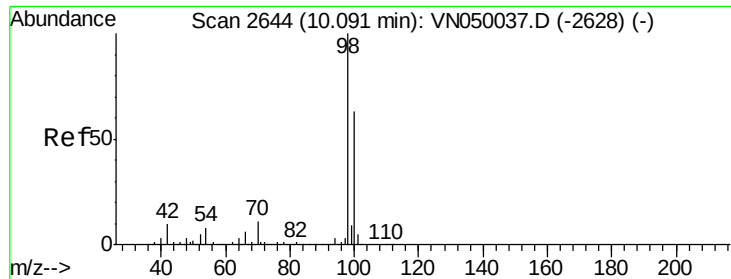
92 57.0 45.7 68.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 30.78 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VN050670.D

Acq: 15 Aug 2018 22:14

Instrument :

MSVOA_N

ClientSampleId :

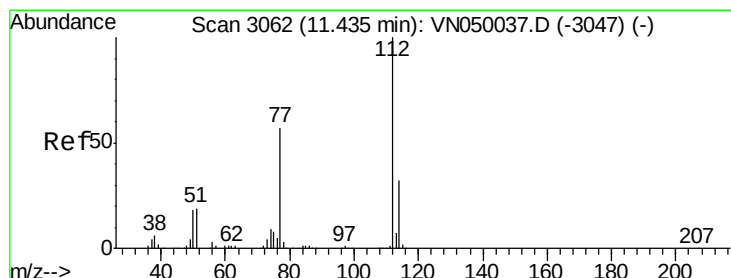
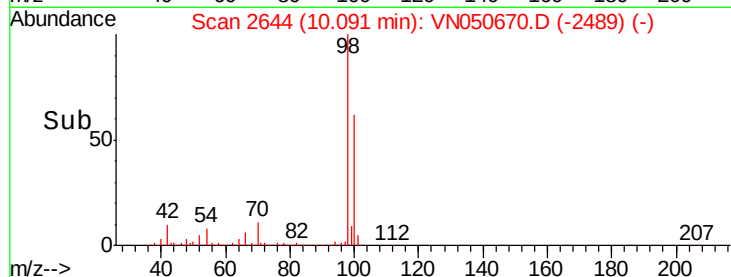
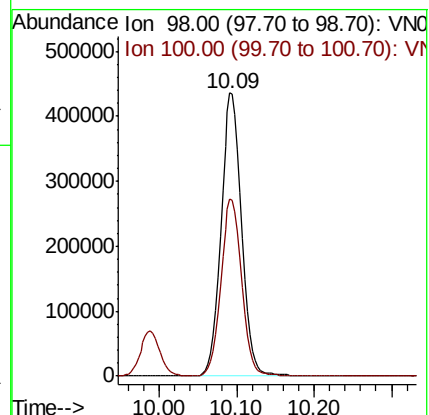
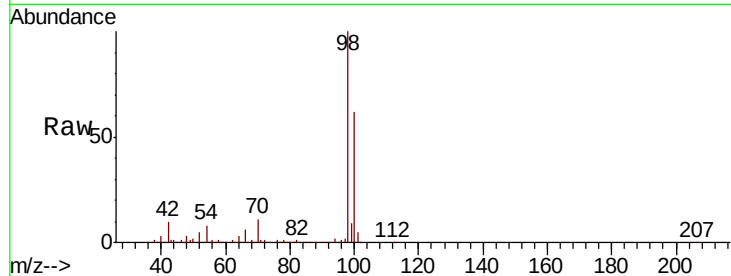
VN0815WBSD02

Tot Ion: 98 Resp: 813626

Ion Ratio Lower Upper

98 100

100 63.3 51.2 76.8



#64

Chlorobenzene

Concen: 20.92 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN050670.D

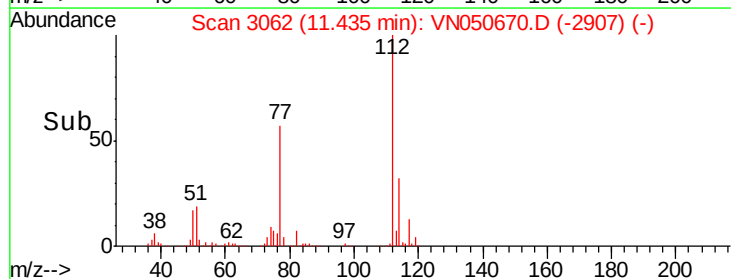
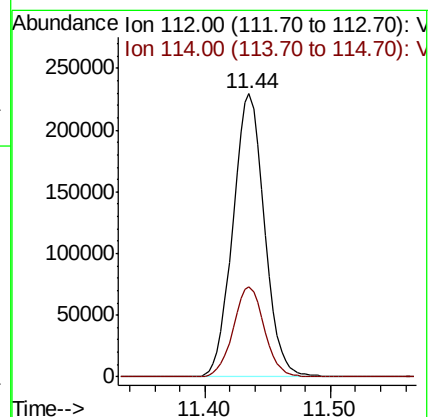
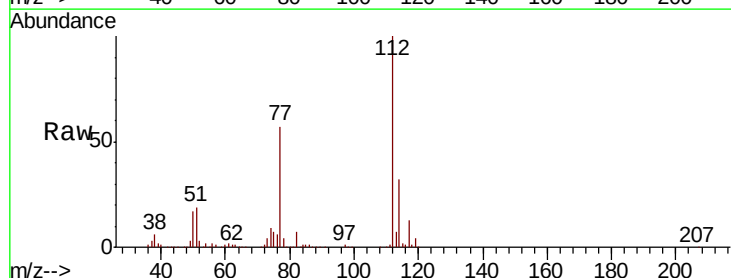
Acq: 15 Aug 2018 22:14

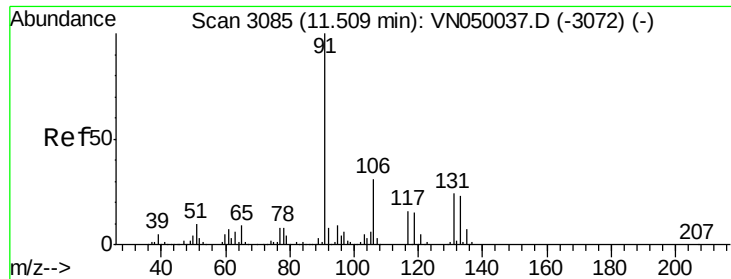
Tgt Ion: 112 Resp: 400434

Ion Ratio Lower Upper

112 100

114 31.9 26.2 39.2





#65

1,1,1,2-Tetrachloroethane

Concen: 20.76 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. -0.00 min

Lab File: VN050670.D

Acq: 15 Aug 2018 22:14

Instrument :

MSVOA_N

ClientSampleId :

VN0815WBSD02

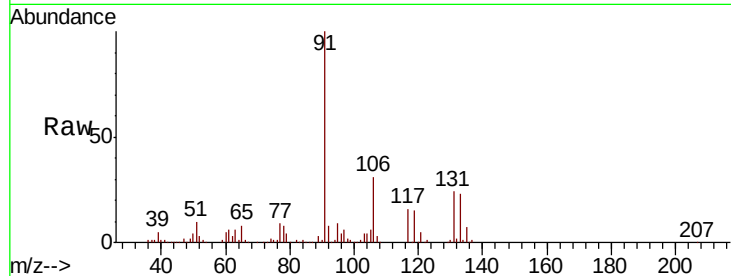
Tot Ion:131 Resp: 155050

Ion Ratio Lower Upper

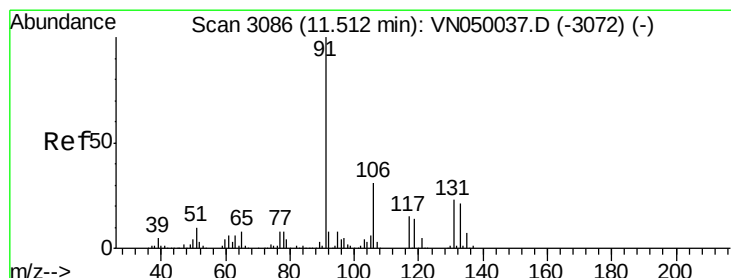
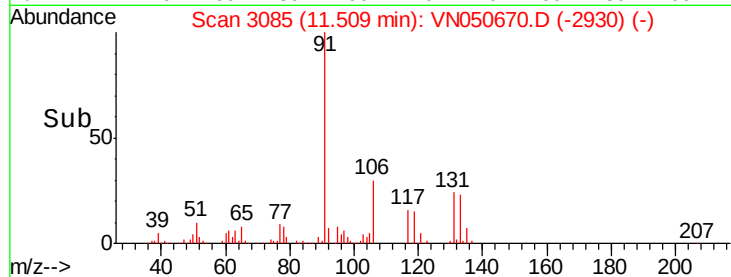
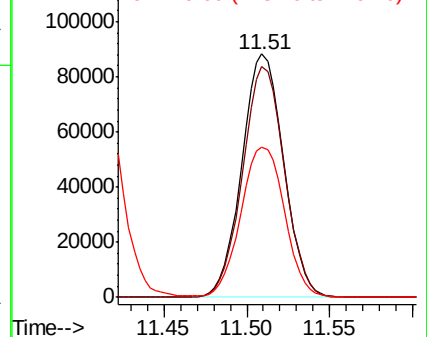
131 100

133 94.9 0.0 190.0

119 64.5 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: 20.26 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. -0.00 min

Lab File: VN050670.D

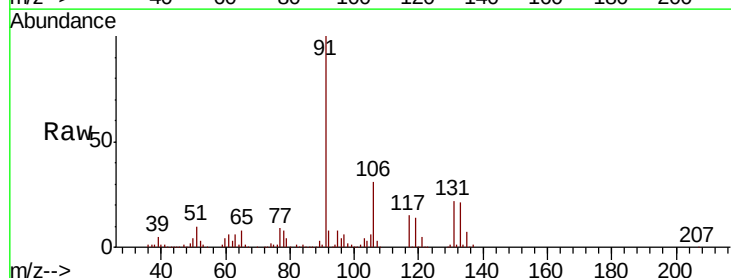
Acq: 15 Aug 2018 22:14

Tgt Ion: 91 Resp: 653735

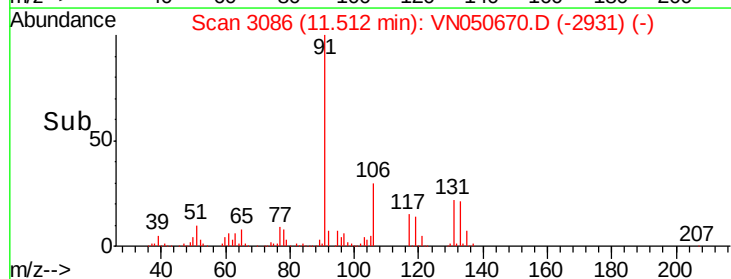
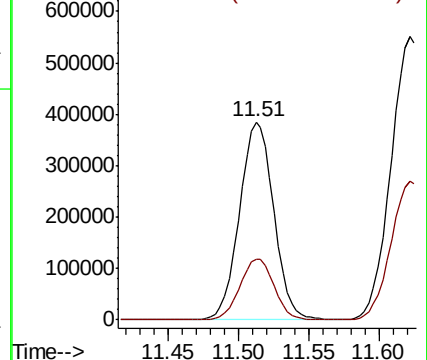
Ion Ratio Lower Upper

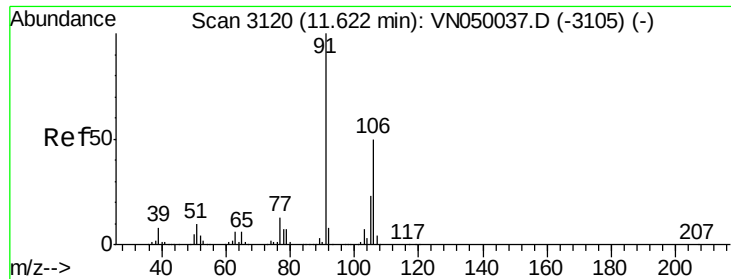
91 100

106 31.0 25.1 37.7



Abundance Ion 91.00 (90.70 to 91.70): V
Ion 106.00 (105.70 to 106.70): V

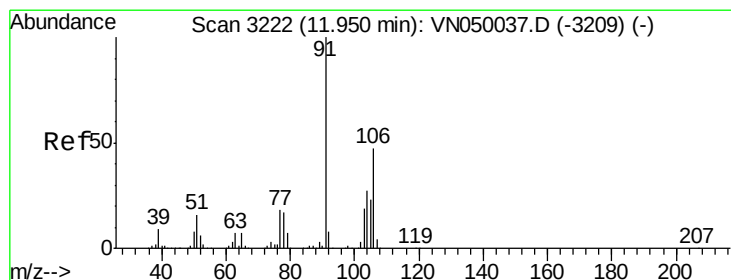
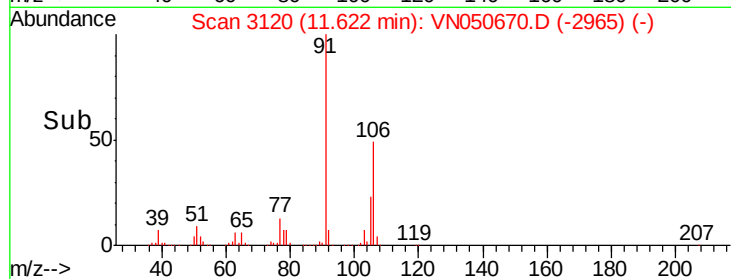
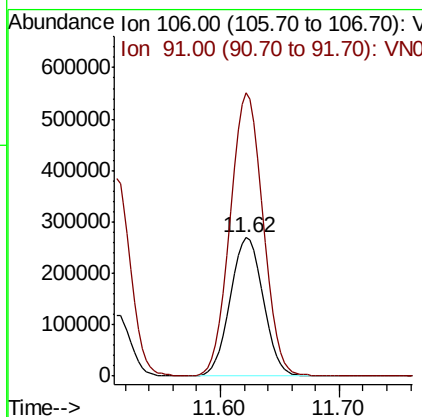
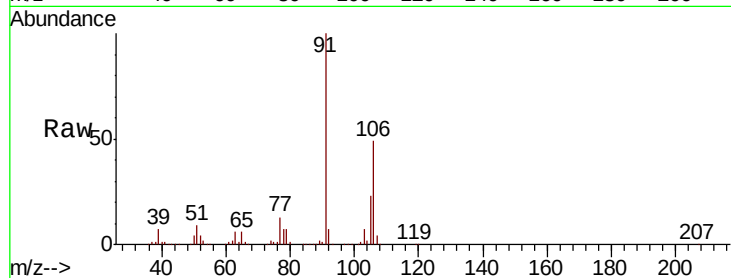




#67
m/p-Xylenes
Concen: 41.79 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. -0.00 min
Lab File: VN050670.D
Acq: 15 Aug 2018 22:14

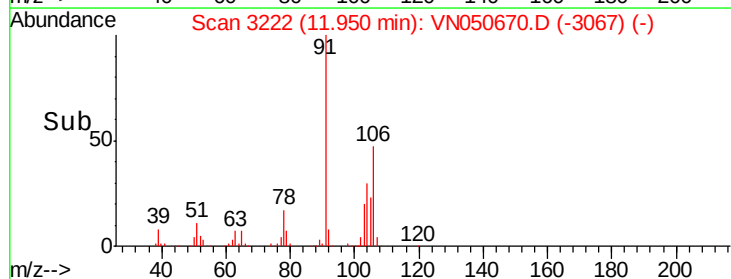
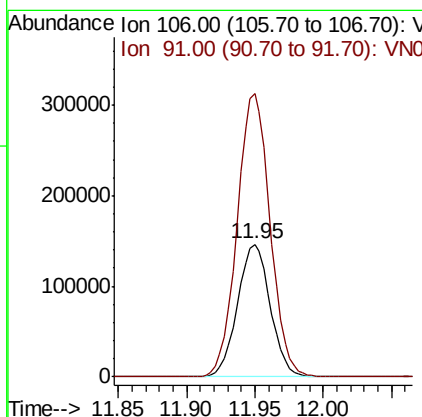
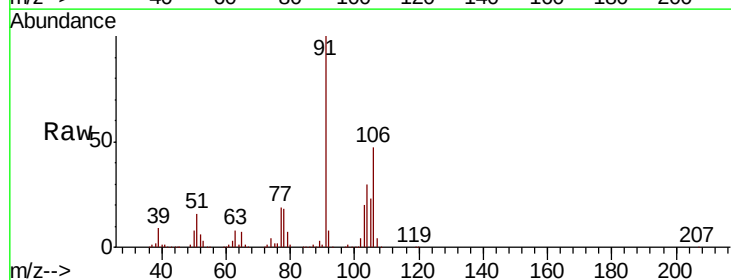
Instrument :
MSVOA_N
ClientSampleId :
VN0815WBSD02

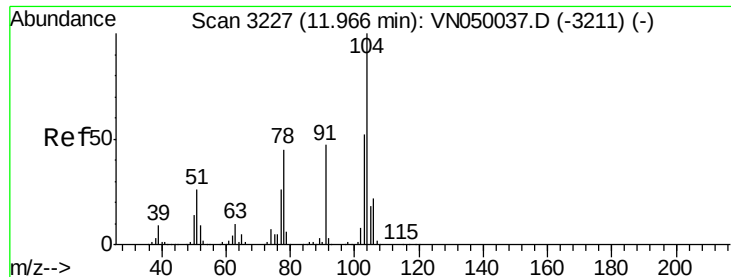
Tot Ion:106 Resp: 518925
Ion Ratio Lower Upper
106 100
91 203.3 162.5 243.7



#68
o-Xylene
Concen: 20.60 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. -0.00 min
Lab File: VN050670.D
Acq: 15 Aug 2018 22:14

Tgt Ion:106 Resp: 243354
Ion Ratio Lower Upper
106 100
91 215.3 106.8 320.4





#69

Stvrene

Concen: 20.96 ug/l

RT: 11.97 min Scan# 3227

Delta R.T. -0.00 min

Lab File: VN050670.D

Acq: 15 Aug 2018 22:14

Instrument :

MSVOA_N

ClientSampleId :

VN0815WBSD02

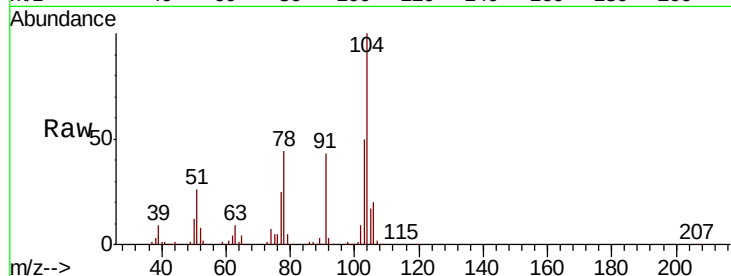
Tot Ion:104 Resp: 396943

Ion Ratio Lower Upper

104 100

78 48.8 39.3 58.9

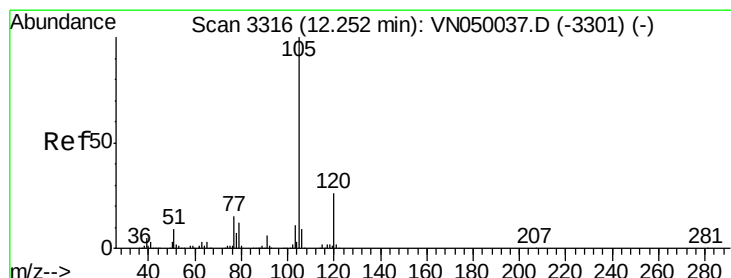
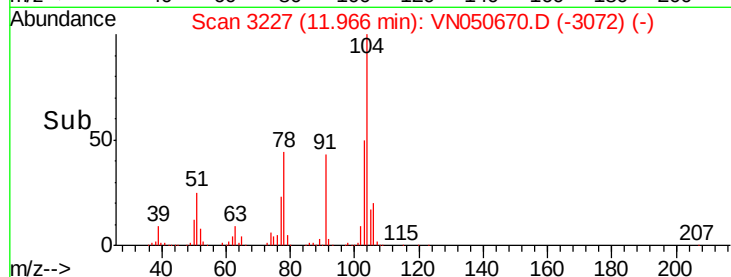
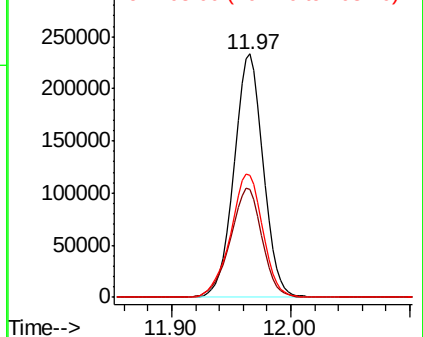
103 56.0 44.5 66.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V



#70

Isopropylbenzene

Concen: 20.55 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. -0.00 min

Lab File: VN050670.D

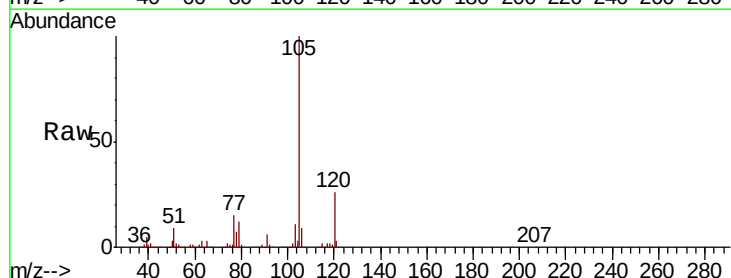
Acq: 15 Aug 2018 22:14

Tgt Ion:105 Resp: 646704

Ion Ratio Lower Upper

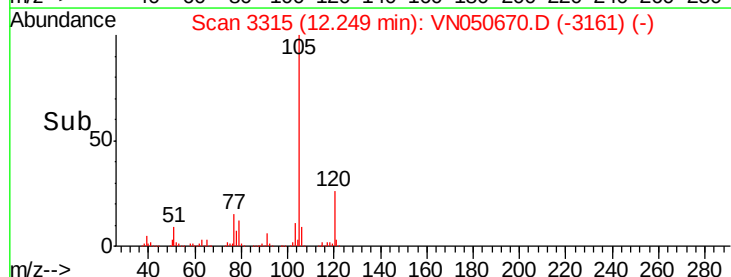
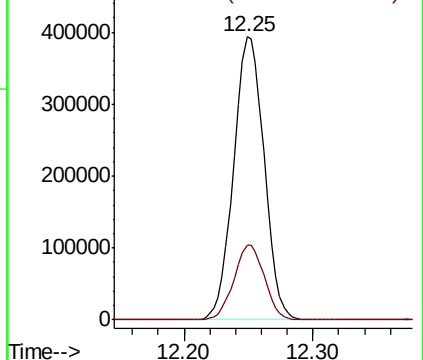
105 100

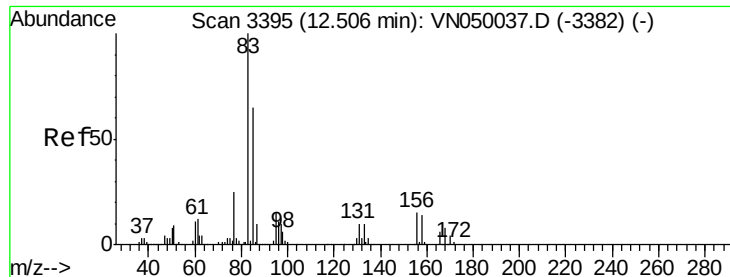
120 26.3 18.9 35.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

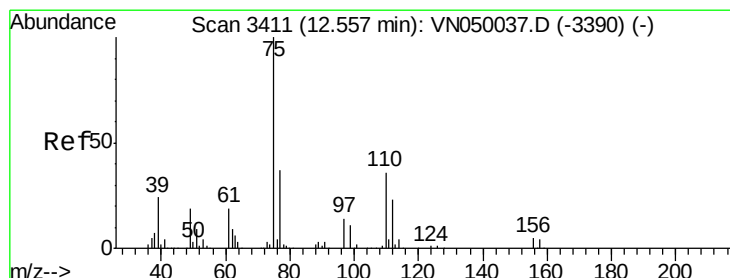
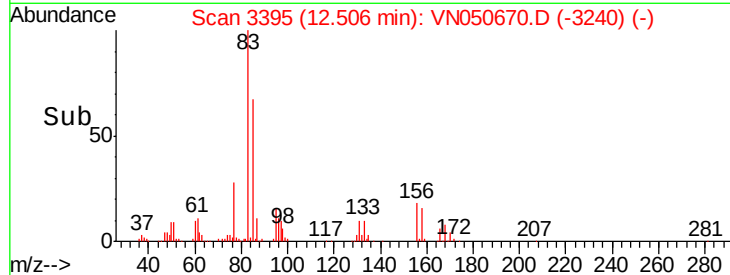
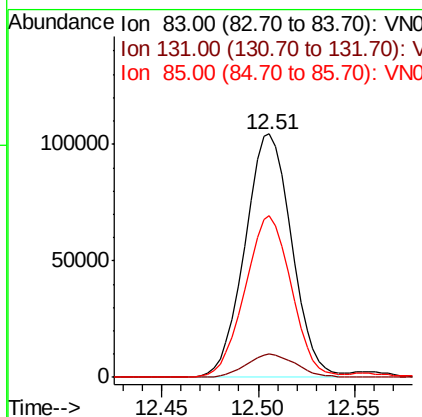
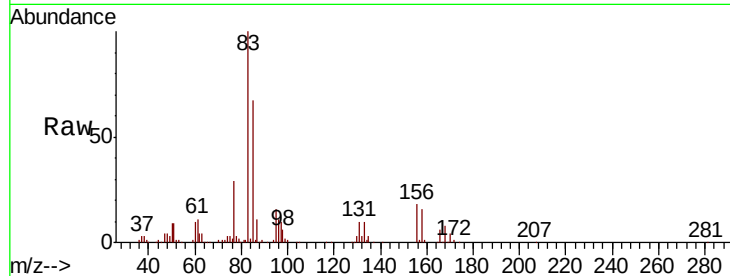




#71
 1,1,2,2-Tetrachloroethane
 Concen: 20.36 ug/l
 RT: 12.51 min Scan# 3395
 Delta R.T. -0.00 min
 Lab File: VN050670.D
 Acq: 15 Aug 2018 22:14

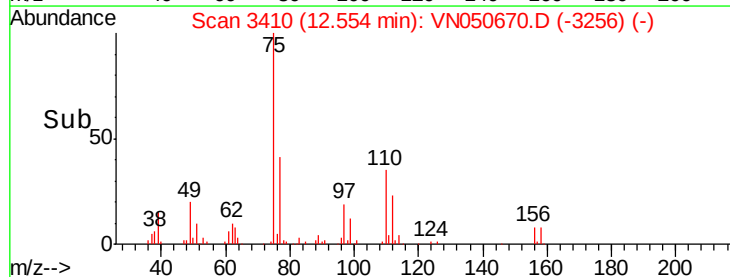
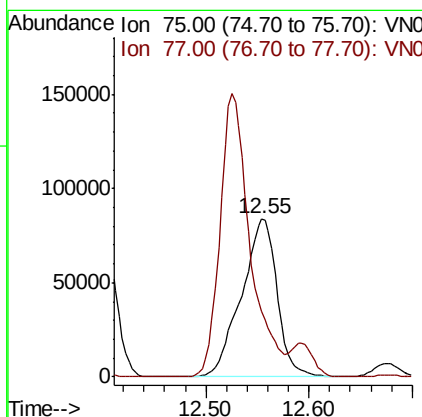
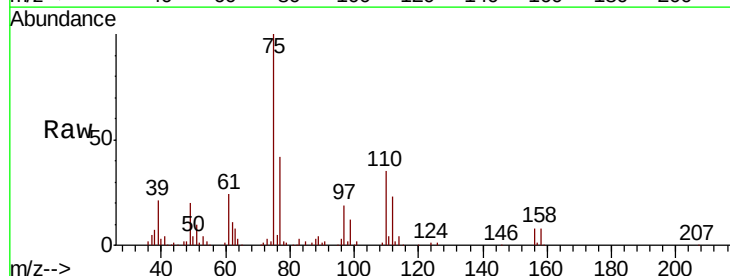
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0815WBSD02

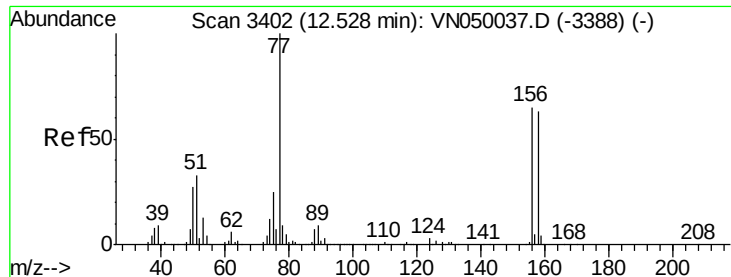
Tot Ion: 83 Resp: 175850
 Ion Ratio Lower Upper
 83 100
 131 10.3 5.2 15.6
 85 66.0 31.7 95.1



#72
 1,2,3-Trichloropropane
 Concen: 27.32 ug/l
 RT: 12.55 min Scan# 3410
 Delta R.T. -0.00 min
 Lab File: VN050670.D
 Acq: 15 Aug 2018 22:14

Tgt Ion: 75 Resp: 201534
 Ion Ratio Lower Upper
 75 100
 77 151.4 0.0 454.4





#73

Bromobenzene

Concen: 20.17 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN050670.D

Acq: 15 Aug 2018 22:14

Instrument :

MSVOA_N

ClientSampleId :

VN0815WBSD02

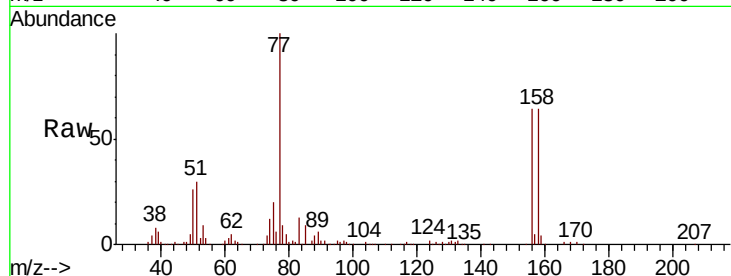
Tot Ion:156 Resp: 169081

Ion Ratio Lower Upper

156 100

77 180.5 0.0 359.8

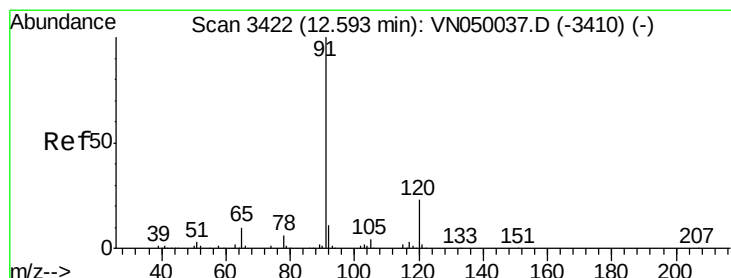
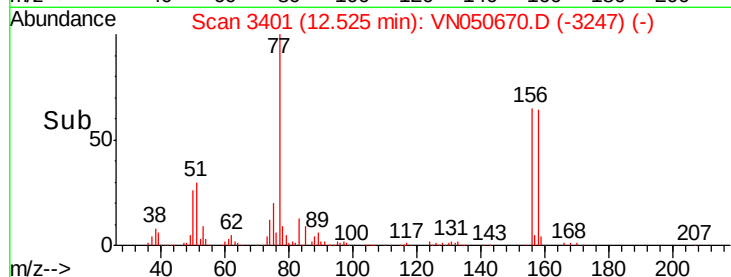
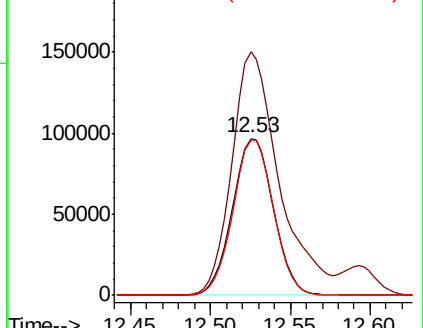
158 97.7 0.0 192.8



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: 20.13 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. -0.00 min

Lab File: VN050670.D

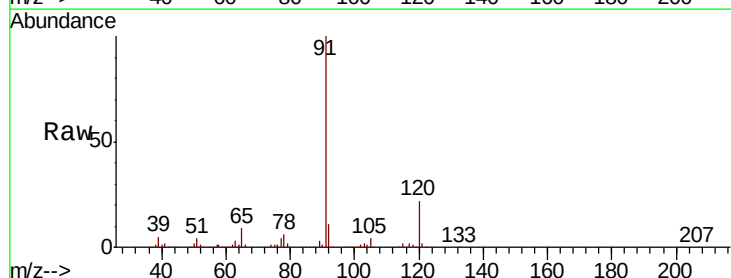
Acq: 15 Aug 2018 22:14

Tgt Ion: 91 Resp: 737569

Ion Ratio Lower Upper

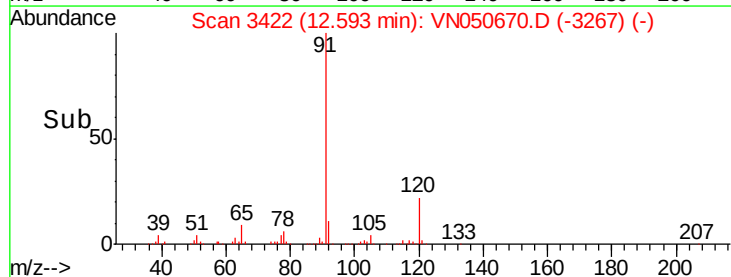
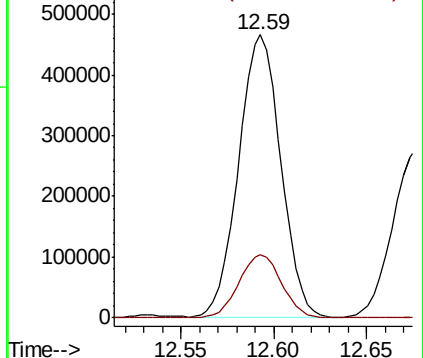
91 100

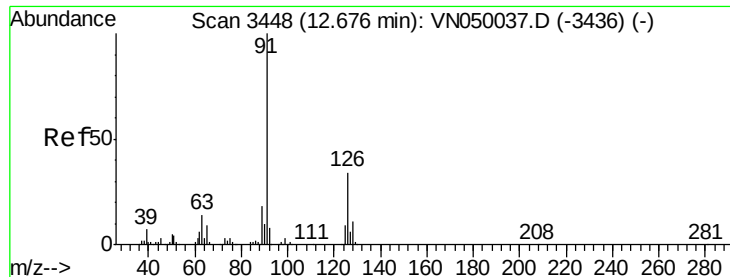
120 22.5 0.0 46.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 20.60 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. -0.00 min

Lab File: VN050670.D

Acq: 15 Aug 2018 22:14

Instrument :

MSVOA_N

ClientSampleId :

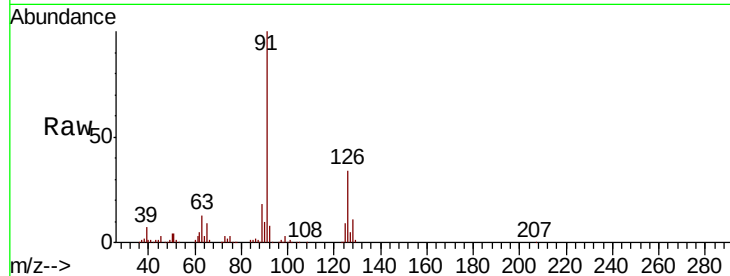
VN0815WBSD02

Tot Ion: 91 Resp: 453342

Ion Ratio Lower Upper

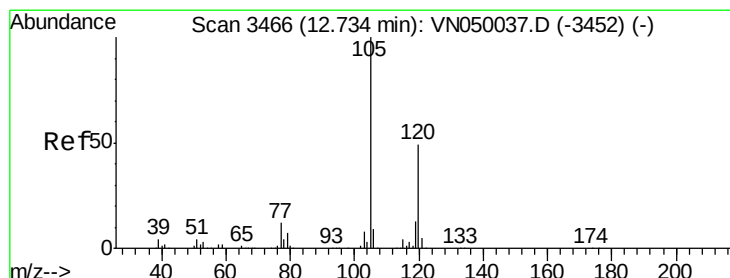
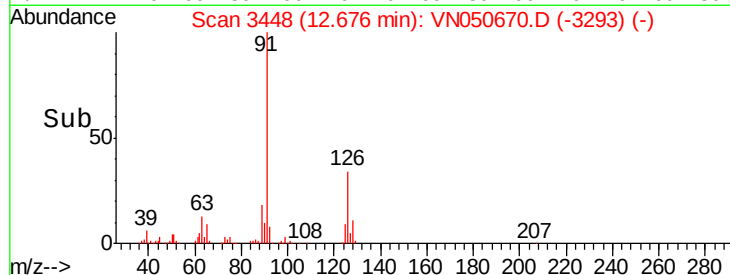
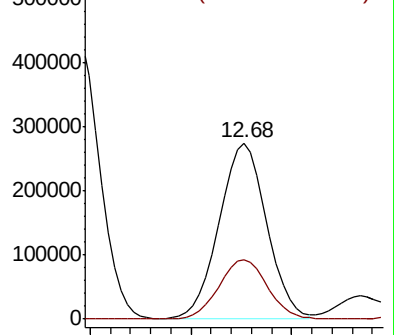
91 100

126 34.7 0.0 68.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V



#76

1,3,5-Trimethylbenzene

Concen: 20.82 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. -0.00 min

Lab File: VN050670.D

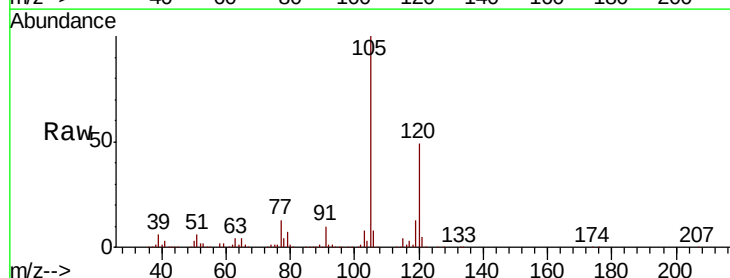
Acq: 15 Aug 2018 22:14

Tgt Ion:105 Resp: 538083

Ion Ratio Lower Upper

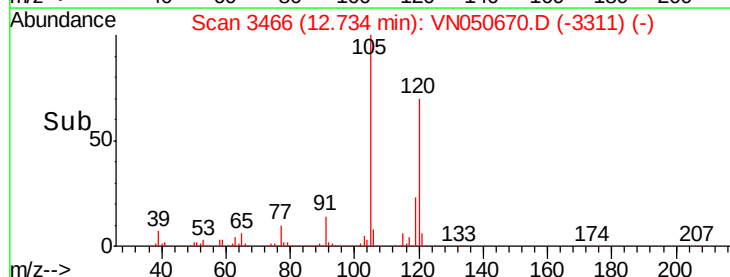
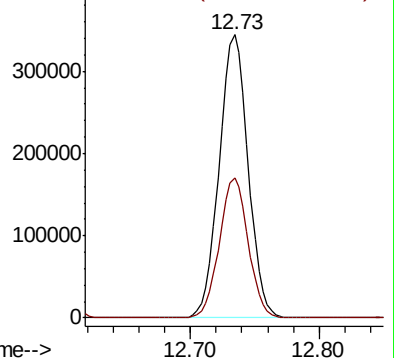
105 100

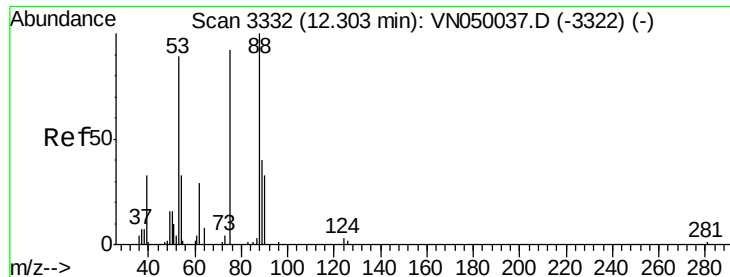
120 49.4 0.0 98.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#77

t-1,4-Dichloro-2-butene

Concen: 15.11 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. -0.00 min

Lab File: VN050670.D

Acq: 15 Aug 2018 22:14

Instrument :

MSVOA_N

ClientSampleId :

VN0815WBSD02

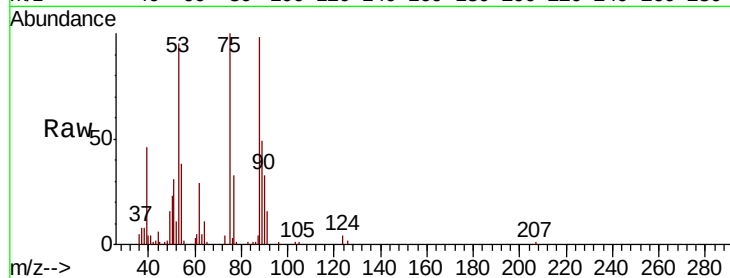
Tot Ion: 75 Resp: 36458

Ion Ratio Lower Upper

75 100

53 95.1 44.6 134.0

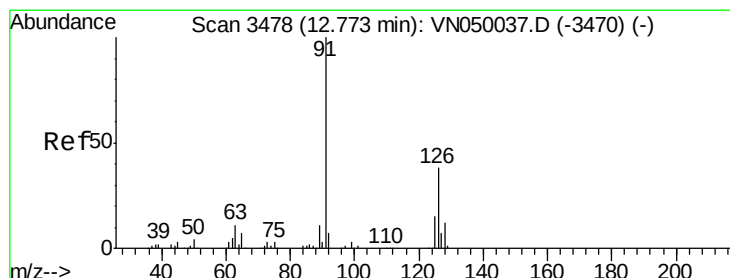
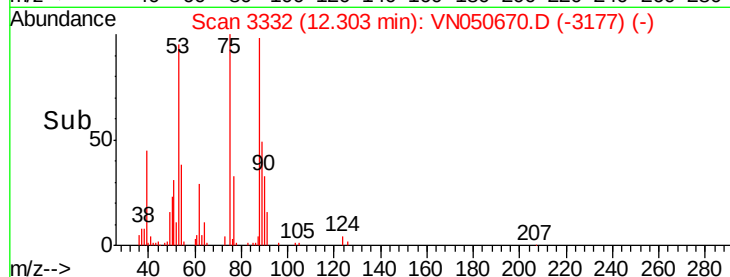
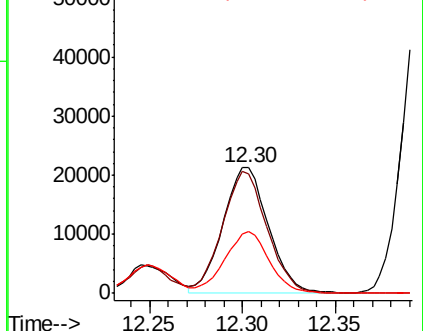
89 48.8 20.7 62.1



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 89.00 (88.70 to 89.70): VN0



#78

4-Chlorotoluene

Concen: 20.39 ug/l

RT: 12.77 min Scan# 3478

Delta R.T. -0.00 min

Lab File: VN050670.D

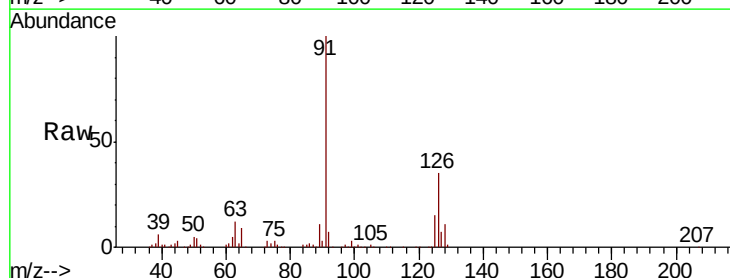
Acq: 15 Aug 2018 22:14

Tgt Ion: 91 Resp: 444811

Ion Ratio Lower Upper

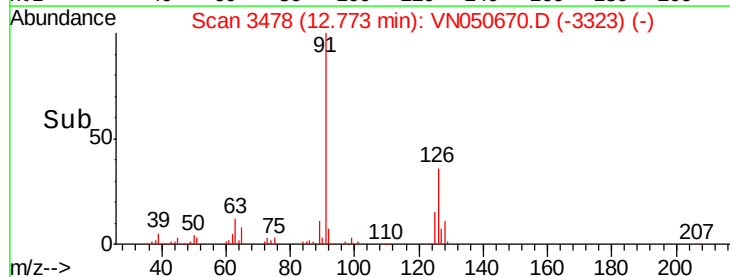
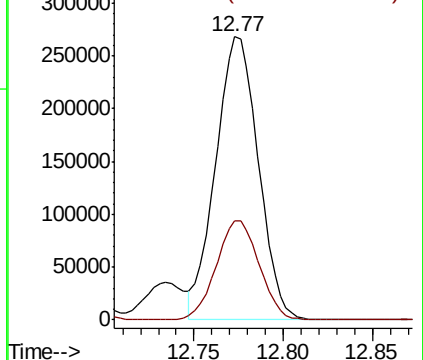
91 100

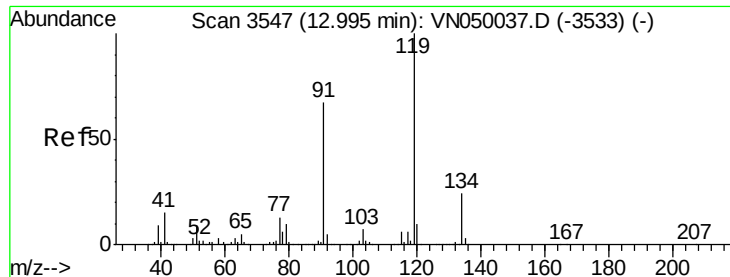
126 35.3 0.0 68.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V

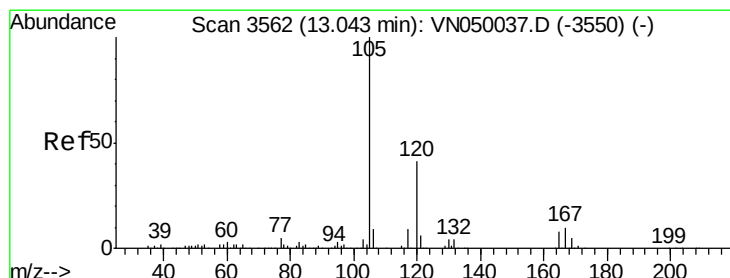
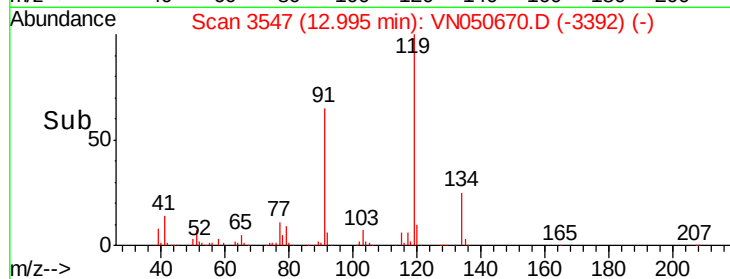
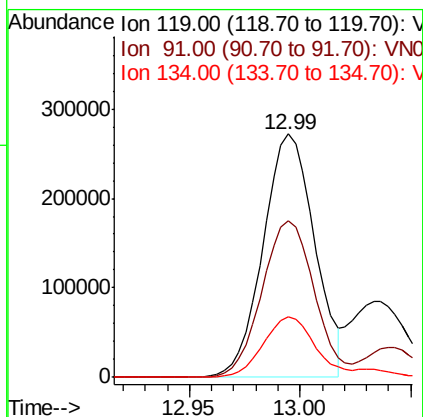
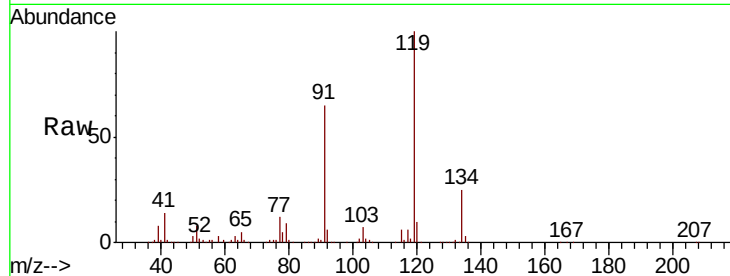




#79
tert-butylbenzene
Concen: 19.93 ug/l
RT: 12.99 min Scan# 3547
Delta R.T. -0.00 min
Lab File: VN050670.D
Acq: 15 Aug 2018 22:14

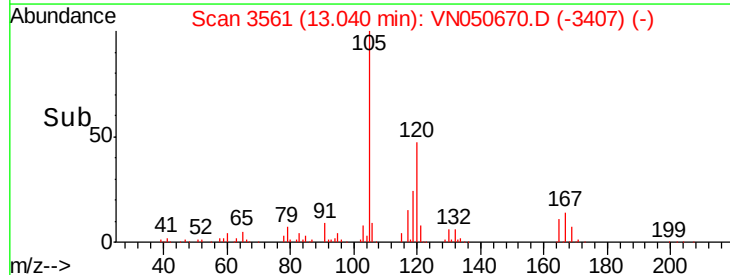
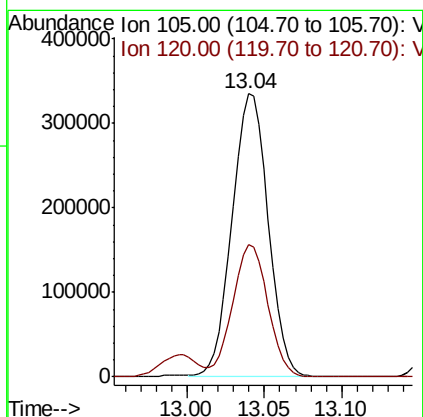
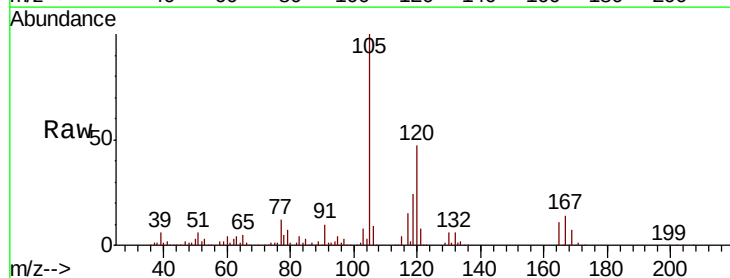
Instrument :
MSVOA_N
ClientSampleId :
VN0815WBSD02

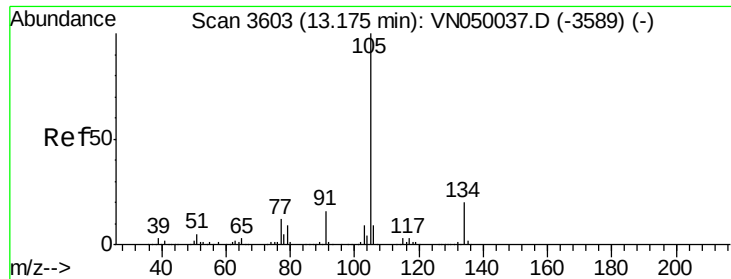
Tot Ion:119 Resp: 440249
Ion Ratio Lower Upper
119 100
91 65.6 0.0 126.8
134 25.1 0.0 47.4



#80
1,2,4-Trimethylbenzene
Concen: 20.73 ug/l
RT: 13.04 min Scan# 3561
Delta R.T. -0.00 min
Lab File: VN050670.D
Acq: 15 Aug 2018 22:14

Tgt Ion:105 Resp: 542670
Ion Ratio Lower Upper
105 100
120 45.6 0.0 90.6

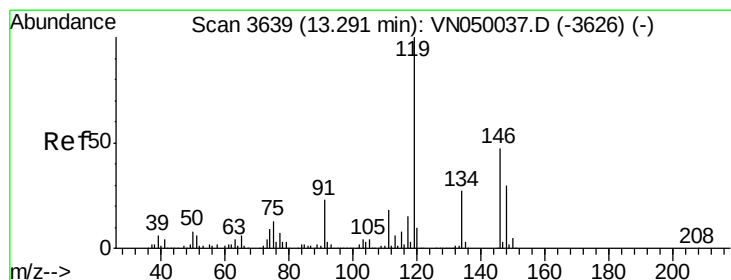
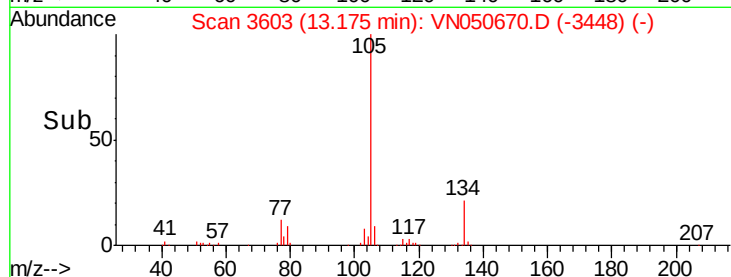
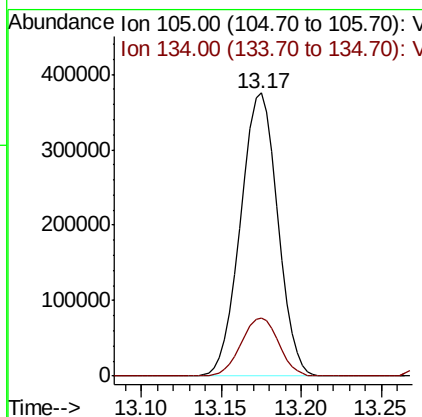
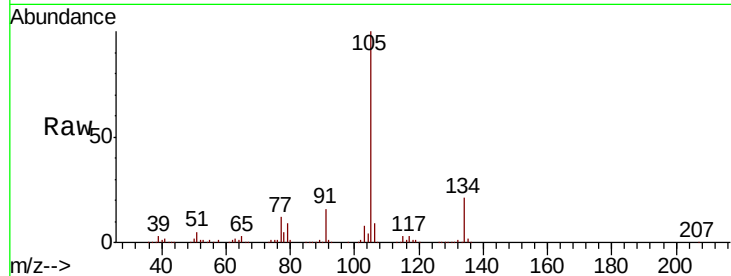




#81
 sec-Butylbenzene
 Concen: 19.75 ug/l
 RT: 13.17 min Scan# 3603
 Delta R.T. -0.00 min
 Lab File: VN050670.D
 Acq: 15 Aug 2018 22:14

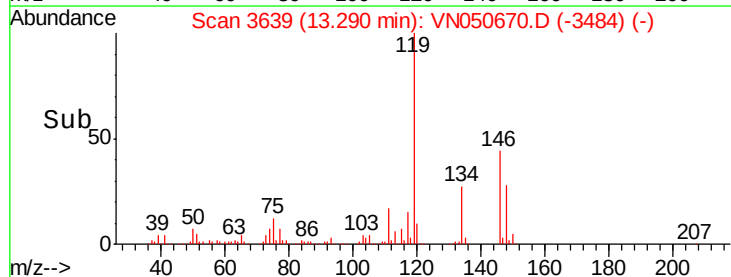
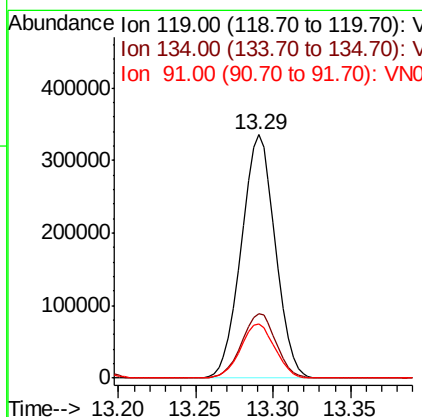
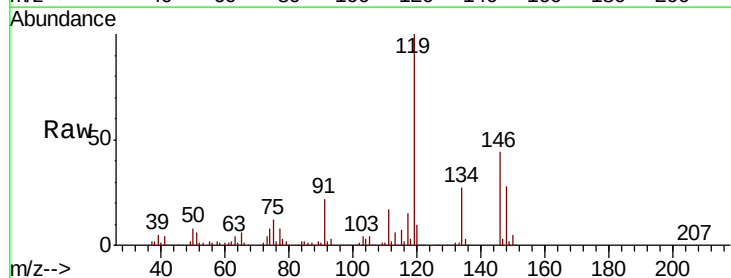
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0815WBSD02

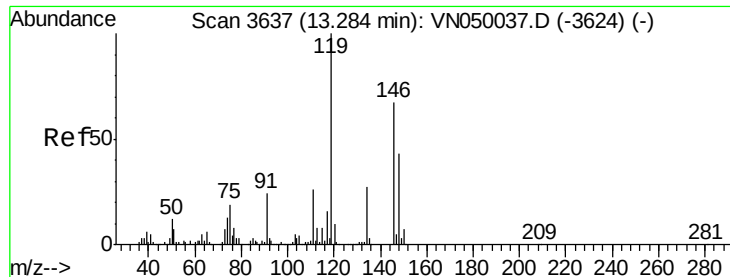
Tot Ion:105 Resp: 592747
 Ion Ratio Lower Upper
 105 100
 134 20.8 0.0 40.6



#82
 p-Isopropyltoluene
 Concen: 19.94 ug/l
 RT: 13.29 min Scan# 3639
 Delta R.T. -0.00 min
 Lab File: VN050670.D
 Acq: 15 Aug 2018 22:14

Tgt Ion:119 Resp: 510535
 Ion Ratio Lower Upper
 119 100
 134 26.8 0.0 52.2
 91 22.4 0.0 45.6





#83

1,3-Dichlorobenzene

Concen: 19.91 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. -0.00 min

Lab File: VN050670.D

Acq: 15 Aug 2018 22:14

Instrument :

MSVOA_N

ClientSampleId :

VN0815WBSD02

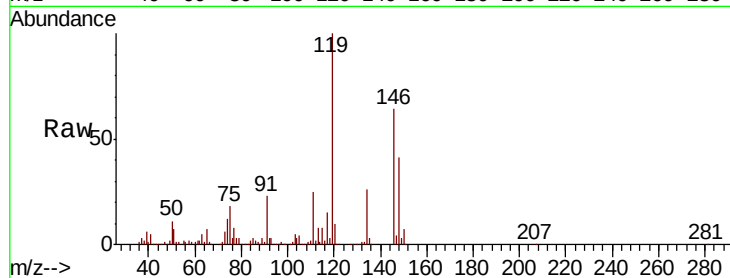
Tot Ion:146 Resp: 290535

Ion Ratio Lower Upper

146 100

111 38.9 19.1 57.1

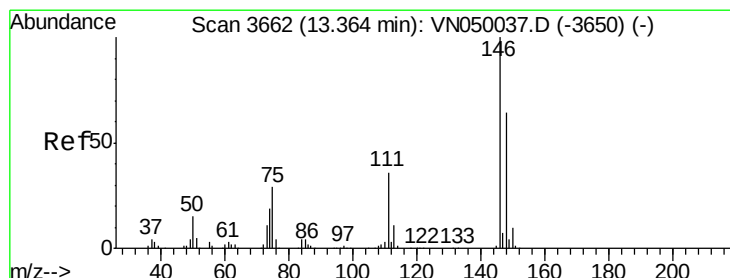
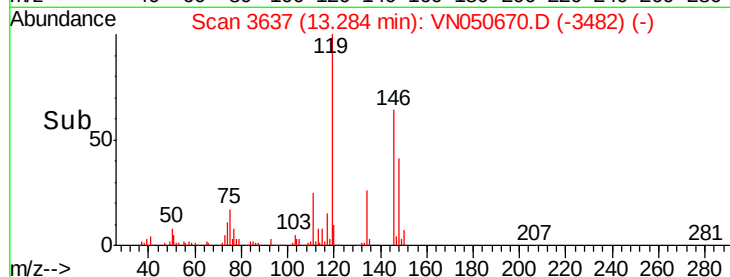
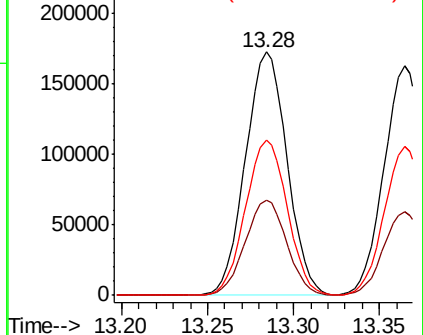
148 63.9 31.9 95.9



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: 19.65 ug/l

RT: 13.36 min Scan# 3662

Delta R.T. -0.00 min

Lab File: VN050670.D

Acq: 15 Aug 2018 22:14

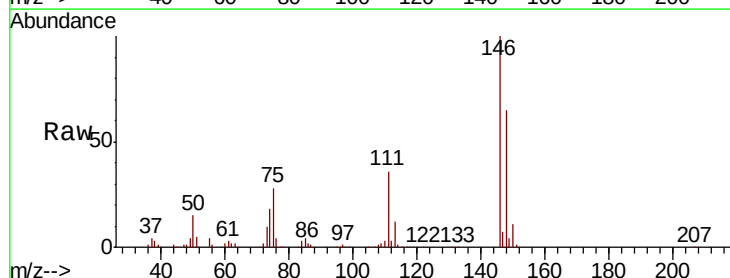
Tgt Ion:146 Resp: 270932

Ion Ratio Lower Upper

146 100

111 37.0 17.9 53.8

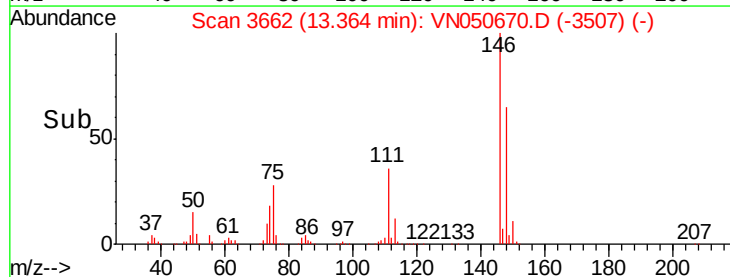
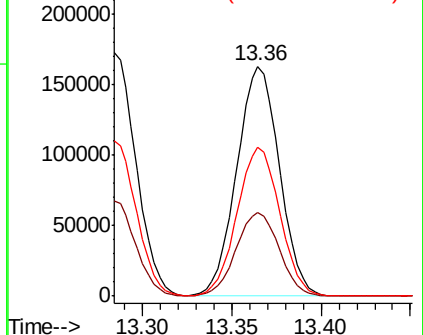
148 65.2 32.4 97.0

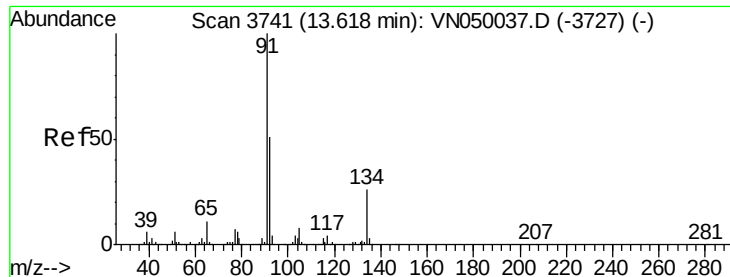


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#85

n-Butylbenzene

Concen: 18.09 ug/l

RT: 13.62 min Scan# 3740

Delta R.T. -0.00 min

Lab File: VN050670.D

Acq: 15 Aug 2018 22:14

Instrument :

MSVOA_N

ClientSampleId :

VN0815WBSD02

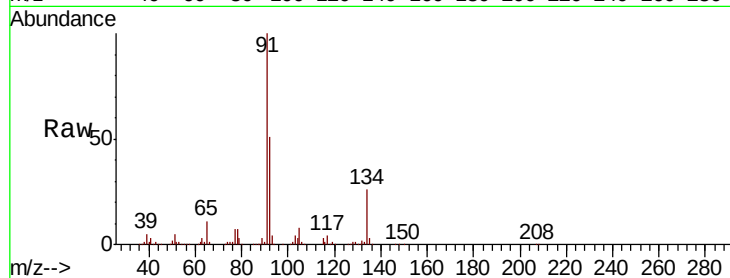
Tot Ion: 91 Resp: 376048

Ion Ratio Lower Upper

91 100

92 51.1 0.0 102.8

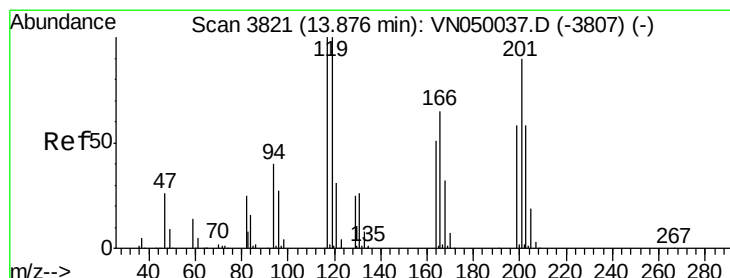
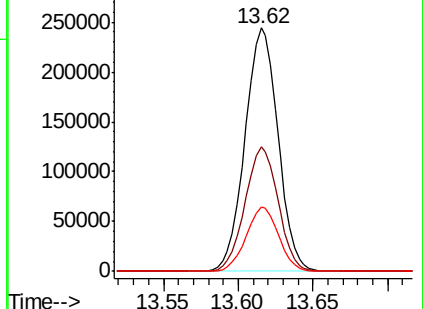
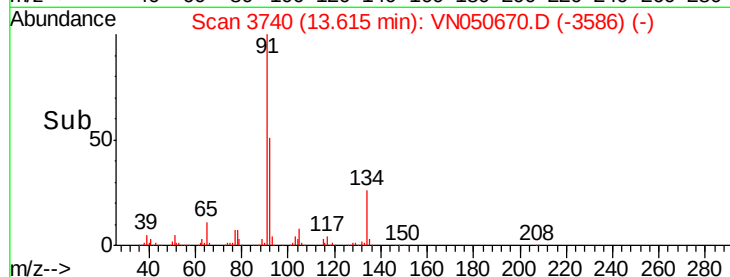
134 25.8 0.0 51.0



Abundance Ion 91.00 (90.70 to 91.70): VN050037.D (-3727) (-)

Ion 92.00 (91.70 to 92.70): VN050037.D (-3727) (-)

Ion 134.00 (133.70 to 134.70): VN050037.D (-3727) (-)



#86

Hexachloroethane

Concen: 18.28 ug/l

RT: 13.88 min Scan# 3821

Delta R.T. -0.00 min

Lab File: VN050670.D

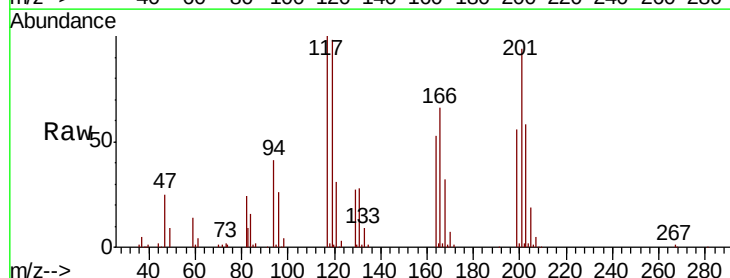
Acq: 15 Aug 2018 22:14

Tgt Ion: 117 Resp: 93561

Ion Ratio Lower Upper

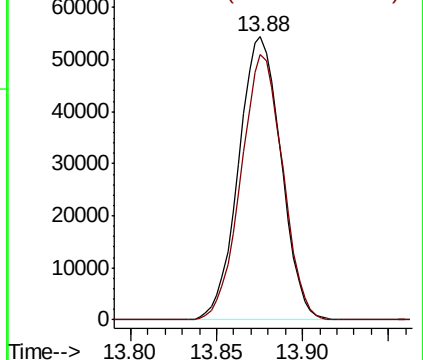
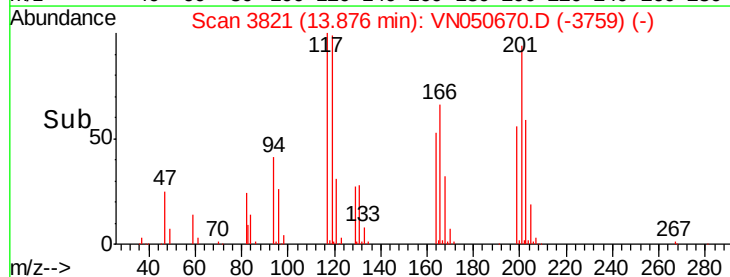
117 100

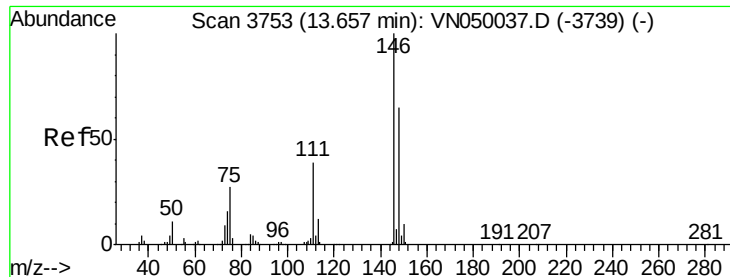
201 91.9 46.6 139.7



Abundance Ion 117.00 (116.70 to 117.70): VN050037.D (-3807) (-)

Ion 201.00 (200.70 to 201.70): VN050037.D (-3807) (-)

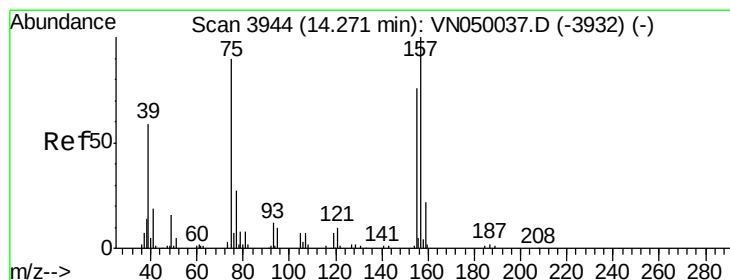
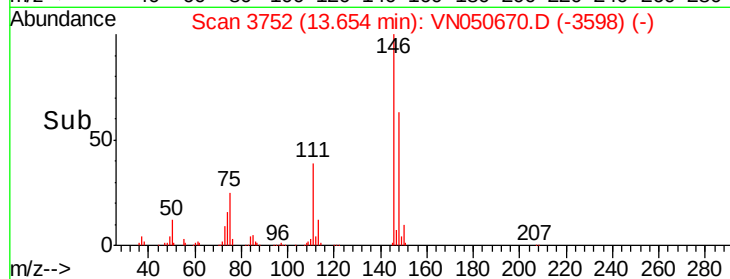
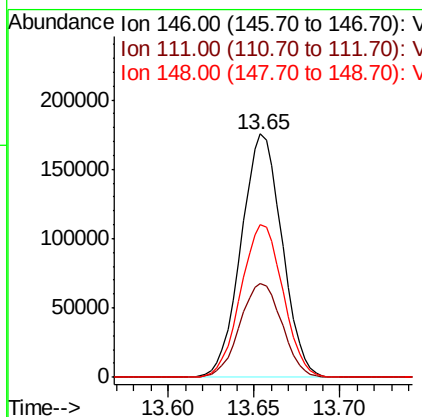
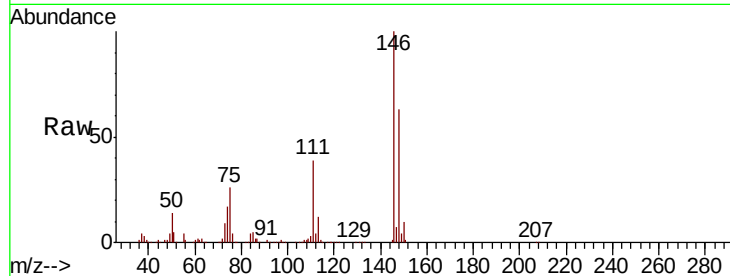




#87
 1,2-Dichlorobenzene
 Concen: 20.39 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. -0.00 min
 Lab File: VN050670.D
 Acq: 15 Aug 2018 22:14

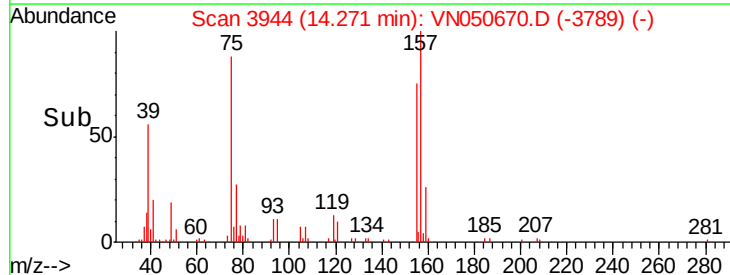
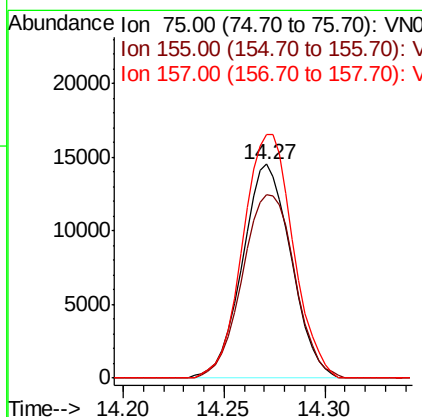
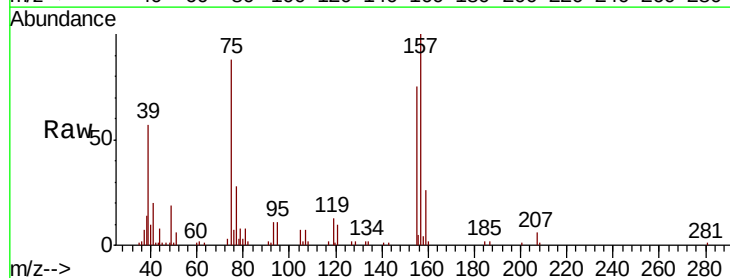
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0815WBSD02

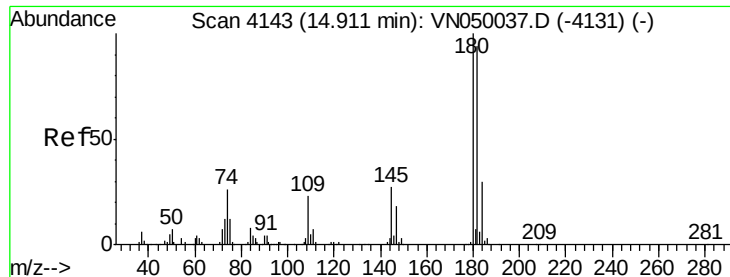
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	19.8	59.3
148	64.5	31.8	95.3



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 18.30 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. -0.00 min
 Lab File: VN050670.D
 Acq: 15 Aug 2018 22:14

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.9	73.0	109.6
157	117.0	94.9	142.3

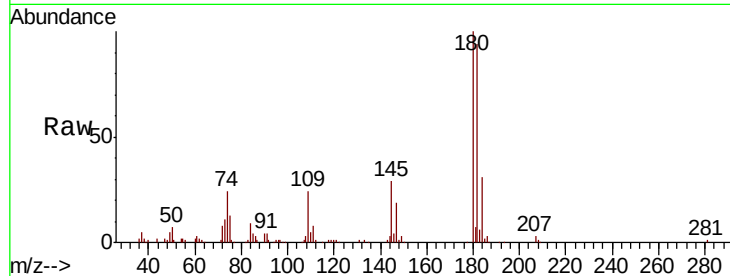




#89
 1,2,4-Trichlorobenzene
 Concen: 17.84 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. -0.00 min
 Lab File: VN050670.D
 Acq: 15 Aug 2018 22:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0815WBSD02

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.1	76.7	115.1
145	29.3	23.4	35.0

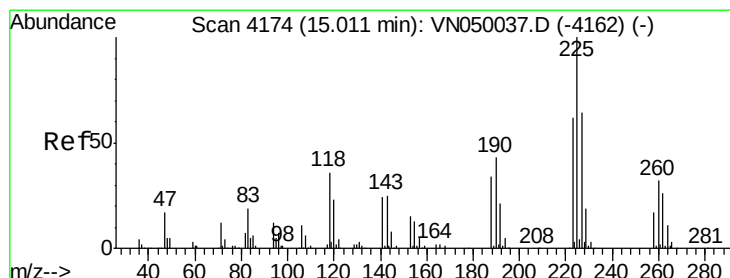
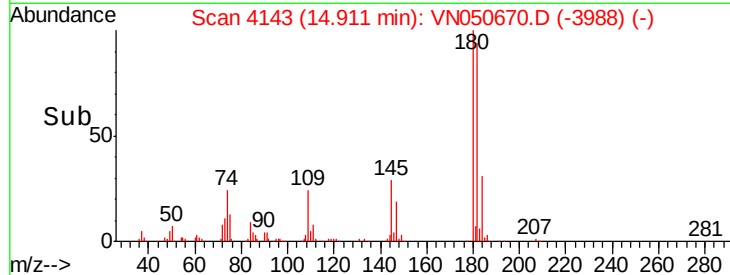
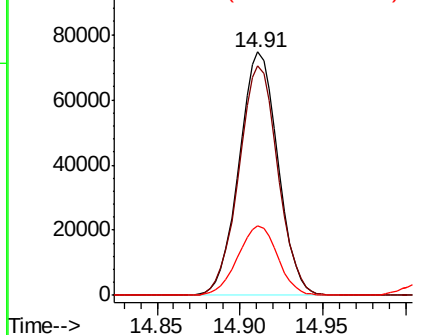


Abundance

Ion 180.00 (179.70 to 180.70): V

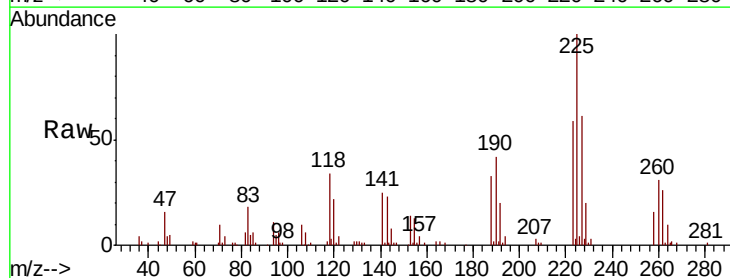
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#90
 Hexachlorobutadiene
 Concen: 19.01 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. -0.00 min
 Lab File: VN050670.D
 Acq: 15 Aug 2018 22:14

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.6	0.0	124.4
227	63.4	0.0	133.0

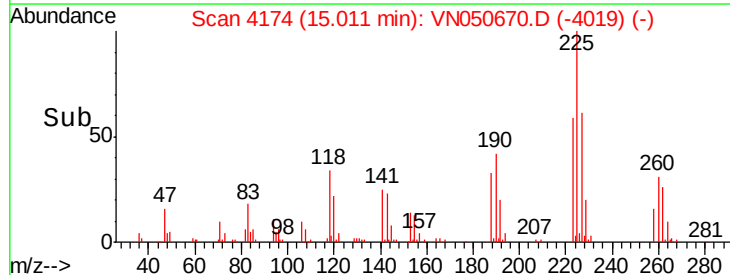
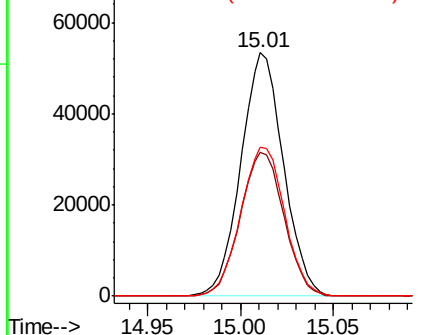


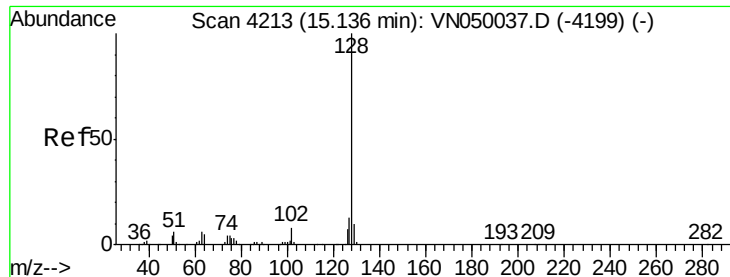
Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





#91

Naphthalene

Concen: 19.35 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. -0.00 min

Lab File: VN050670.D

Acq: 15 Aug 2018 22:14

Instrument :

MSVOA_N

ClientSampleId :

VN0815WBSD02

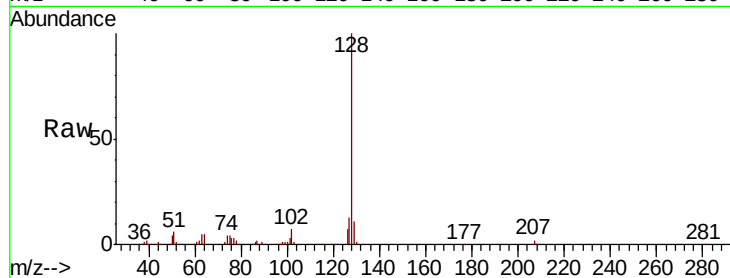
Tot Ion:128 Resp: 250044

Ion Ratio Lower Upper

128 100

127 13.3 10.2 15.4

129 10.7 9.0 13.4

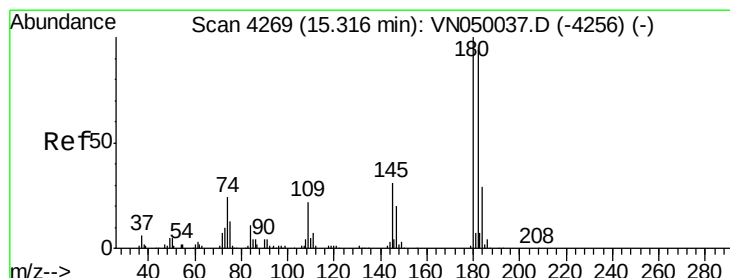
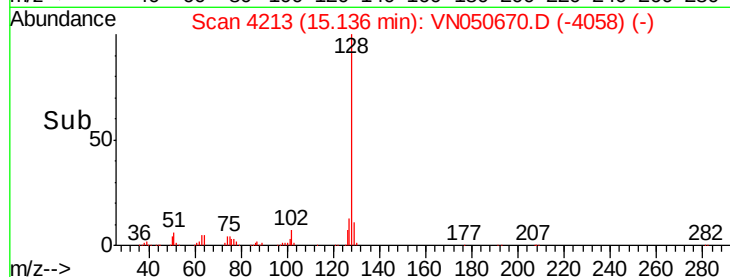
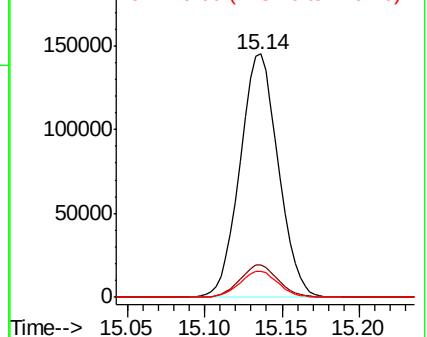


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#92

1,2,3-Trichlorobenzene

Concen: 18.13 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. -0.00 min

Lab File: VN050670.D

Acq: 15 Aug 2018 22:14

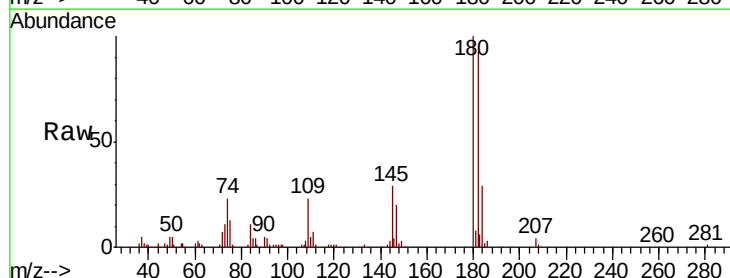
Tgt Ion:180 Resp: 125639

Ion Ratio Lower Upper

180 100

182 96.0 0.0 188.8

145 29.8 0.0 60.8



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

