

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082218\
 Data File : VN050812.D
 Acq On : 22 Aug 2018 12:10
 Operator : MD\SY
 Sample : VN0822MBS01
 Misc : 5.00µg/10µL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0822MBS01

Quant Time: Aug 23 01:01:39 2018
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 05:38:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	604615	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	877665	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	791897	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	393618	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	371723	51.07	ug/l	0.00
Spiked Amount			Recovery	=	102.14%	
35) Dibromofluoromethane	7.59	113	349677	50.08	ug/l	0.00
Spiked Amount			Recovery	=	100.16%	
50) Toluene-d8	10.09	98	1309910	50.18	ug/l	0.00
Spiked Amount			Recovery	=	100.36%	
62) 4-Bromofluorobenzene	12.40	95	416123	47.97	ug/l	0.00
Spiked Amount			Recovery	=	95.94%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	183053	22.62	ug/l	100
3) Chloromethane	2.06	50	197919	19.83	ug/l	100
4) Vinyl Chloride	2.18	62	198078	20.95	ug/l	99
5) Bromomethane	2.57	94	111986	20.21	ug/l	98
6) Chloroethane	2.70	64	110906	20.30	ug/l	100
7) Trichlorofluoromethane	3.01	101	253854	20.97	ug/l	99
8) Diethyl Ether	3.41	74	84080	20.43	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	157030	20.76	ug/l	100
10) Methyl Iodide	3.95	142	111241	20.97	ug/l	98
11) Tert butyl alcohol	4.80	59	47374	102.21	ug/l #	88
12) 1,1-Dichloroethene	3.74	96	139869	20.60	ug/l	99
13) Acrolein	3.61	56	24633	102.40	ug/l	99
14) Allyl chloride	4.32	41	210870	19.93	ug/l	98
15) Acrylonitrile	4.99	53	245758	104.33	ug/l	99
16) Acetone	3.82	43	174759	97.07	ug/l	99
17) Carbon Disulfide	4.05	76	437924	19.24	ug/l	98
18) Methyl Acetate	4.33	43	138907	20.21	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	358318	20.98	ug/l	99
20) Methylene Chloride	4.55	84	162584	19.82	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	149031	20.29	ug/l	99
22) Diisopropyl ether	5.96	45	451519	21.41	ug/l	98
23) Vinyl Acetate	5.90	43	1426756	105.06	ug/l	100
24) 1,1-Dichloroethane	5.85	63	279360	20.63	ug/l	100
25) 2-Butanone	6.84	43	271713	92.63	ug/l	98
26) 2,2-Dichloropropane	6.83	77	219005	20.13	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	163165	20.61	ug/l	99
28) Bromochloromethane	7.20	49	106696	18.55	ug/l	99
29) Tetrahydrofuran	7.22	42	179003	106.44	ug/l	100
30) Chloroform	7.37	83	278896	20.80	ug/l	99
31) Cyclohexane	7.66	56	244017	20.11	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	236580	20.55	ug/l	100
36) 1,1-Dichloropropene	7.79	75	209417	20.22	ug/l	100
37) Ethyl Acetate	6.93	43	125420	21.08	ug/l	98
38) Carbon Tetrachloride	7.77	117	212650	20.31	ug/l	99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	215627	19.24	ug/l	100
40) Benzene	8.04	78	639952	20.49	ug/l	99
41) Methacrylonitrile	7.18	41	63850	19.83	ug/l	95
42) 1,2-Dichloroethane	8.13	62	196734	21.07	ug/l	99
43) Isopropyl Acetate	8.17	43	224990	22.00	ug/l	97
44) Trichloroethene	8.84	130	165607	20.11	ug/l	100
45) 1,2-Dichloropropane	9.12	63	166960	20.34	ug/l	100
46) Dibromomethane	9.21	93	100441	20.83	ug/l	99
47) Bromodichloromethane	9.40	83	207985	20.59	ug/l	98
48) Methyl methacrylate	9.20	41	106892	20.50	ug/l	99
49) 1,4-Dioxane	9.20	88	29761	418.77	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	613023	100.43	ug/l	100
52) Toluene	10.16	92	392540	21.22	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	199179	19.81	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	236829	20.57	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	143055	20.83	ug/l	98
56) Ethyl methacrylate	10.43	69	159400	19.36	ug/l	98
57) 1,3-Dichloropropane	10.71	76	235631	20.79	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	345499	96.53	ug/l	99
59) 2-Hexanone	10.75	43	391912	96.44	ug/l	100
60) Dibromochloromethane	10.90	129	157910	20.54	ug/l	99
61) 1,2-Dibromoethane	11.01	107	137260	20.67	ug/l	99
64) Tetrachloroethene	10.63	164	149955	19.94	ug/l	97
65) Chlorobenzene	11.44	112	416620	20.13	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	156215	20.63	ug/l	99
67) Ethyl Benzene	11.51	91	679903	20.21	ug/l	99
68) m/p-Xylenes	11.62	106	539991	42.28	ug/l	99
69) o-Xylene	11.95	106	255373	20.80	ug/l	99
70) Styrene	11.96	104	403234	19.43	ug/l	99
71) Bromoform	12.13	173	107418	20.63	ug/l #	99
73) Isopropylbenzene	12.25	105	667967	20.49	ug/l	99
74) N-amyl acetate	12.07	43	168121	20.53	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	175791	21.70	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	205292	29.78	ug/l #	100
77) Bromobenzene	12.53	156	176281	19.90	ug/l	100
78) n-propylbenzene	12.59	91	759755	20.87	ug/l	100
79) 2-Chlorotoluene	12.68	91	463813	20.45	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	562501	21.39	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	40912	20.06	ug/l	97
82) 4-Chlorotoluene	12.77	91	463336	20.69	ug/l	100
83) tert-Butylbenzene	12.99	119	464689	20.40	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	559663	21.16	ug/l	98
85) sec-Butylbenzene	13.17	105	620120	20.78	ug/l	100
86) p-Isopropyltoluene	13.29	119	537302	21.13	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	297078	19.76	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	291513	19.70	ug/l	98
89) n-Butylbenzene	13.62	91	390706	19.21	ug/l	99
90) Hexachloroethane	13.88	117	102642	21.28	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	293656	20.25	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	23348	19.95	ug/l	97

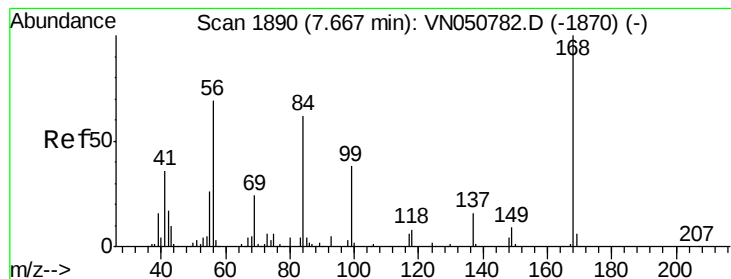
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN082218\
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Quant Time: Aug 23 01:01:39 2018
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082118W.M
Quant Title : SW846 8260
QLast Update : Wed Aug 22 05:38:12 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	110796	17.57	ug/l	98
94) Hexachlorobutadiene	15.01	225	88028	19.80	ug/l	99
95) Naphthalene	15.14	128	210713	17.35	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	116357	18.66	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN050812.D

Acq: 22 Aug 2018 12:10

Instrument :

MSVOA_N

ClientSampled :

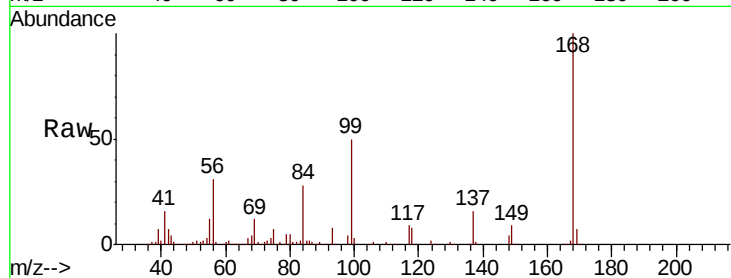
VN0822MBS01

Tot Ion:168 Resp: 604615

Ion Ratio Lower Upper

168 100

99 49.7 39.6 59.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

250000

200000

150000

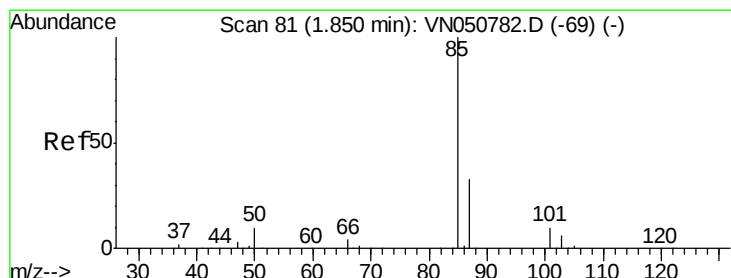
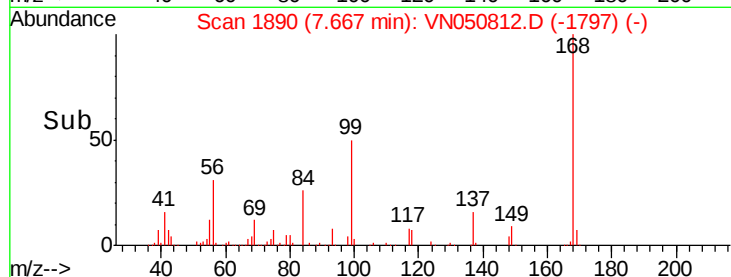
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 22.62 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN050812.D

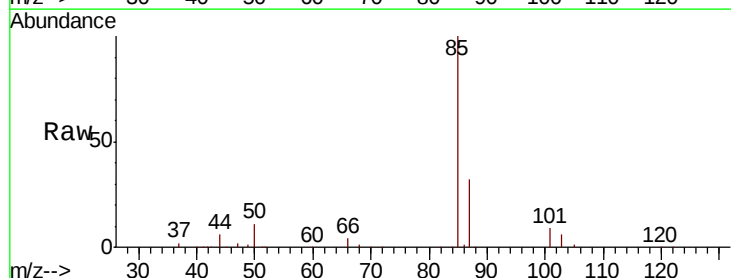
Acq: 22 Aug 2018 12:10

Tgt Ion: 85 Resp: 183053

Ion Ratio Lower Upper

85 100

87 32.5 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

150000

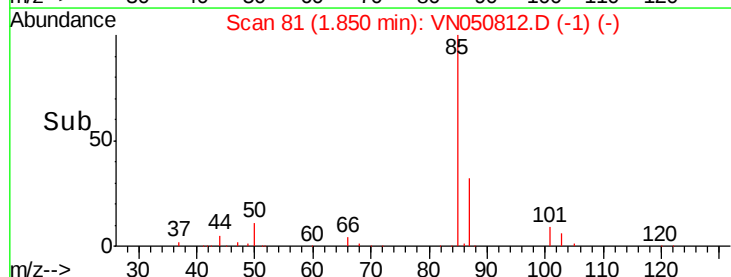
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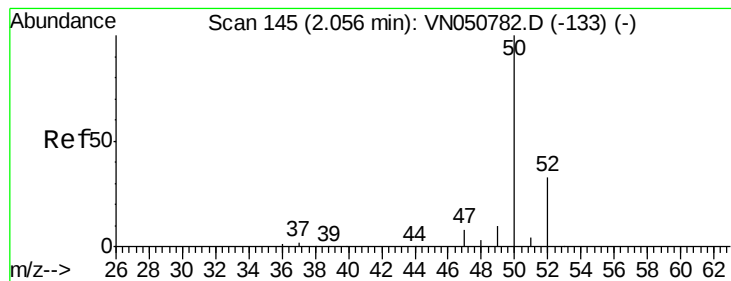
50000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 19.83 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN050812.D

Acq: 22 Aug 2018 12:10

Instrument :

MSVOA_N

ClientSampleId :

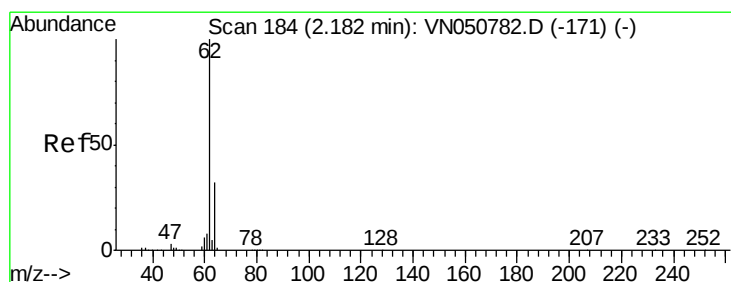
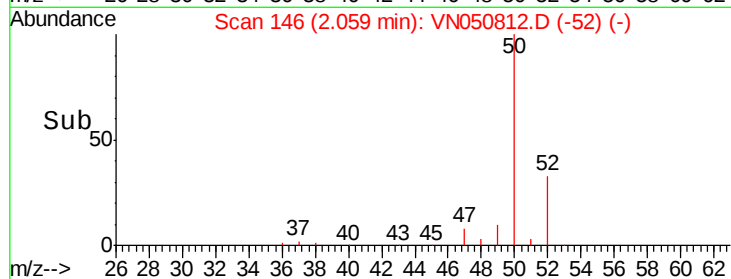
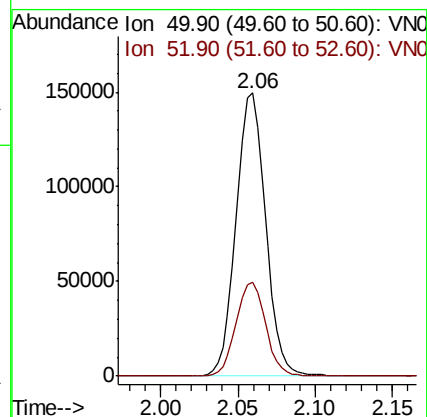
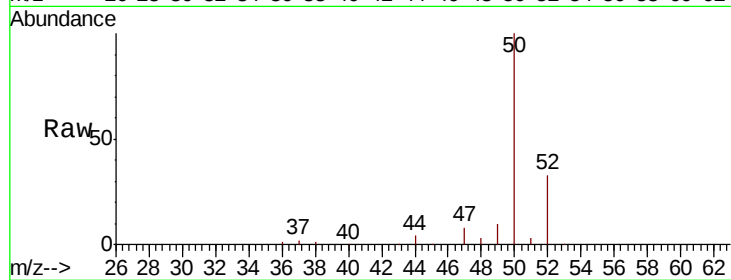
VN0822MBS01

Tot Ion: 50 Resp: 197919

Ion Ratio Lower Upper

50 100

52 33.1 26.3 39.5



#4

Vinyl Chloride

Concen: 20.95 ug/l

RT: 2.18 min Scan# 184

Delta R.T. -0.00 min

Lab File: VN050812.D

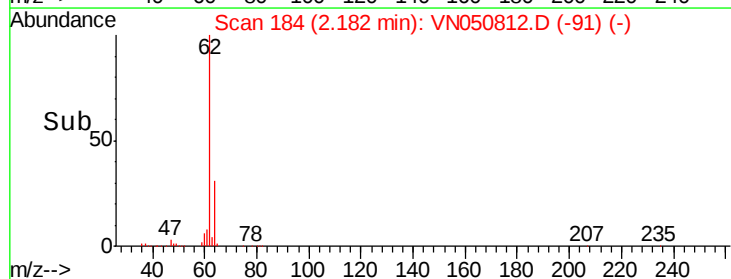
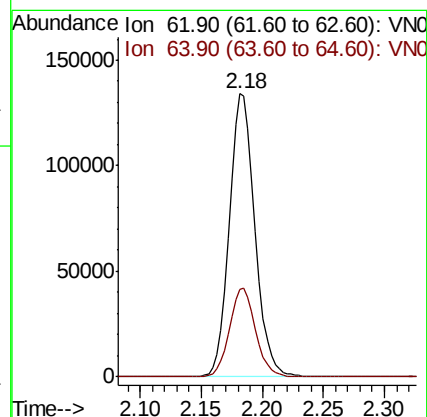
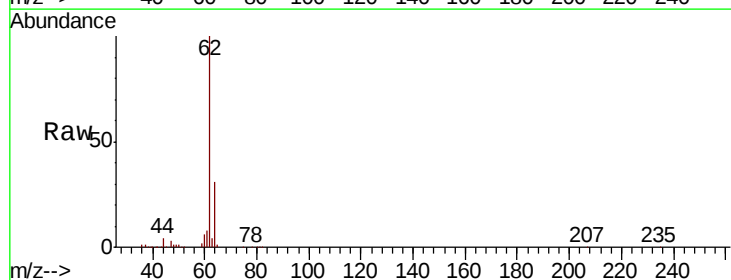
Acq: 22 Aug 2018 12:10

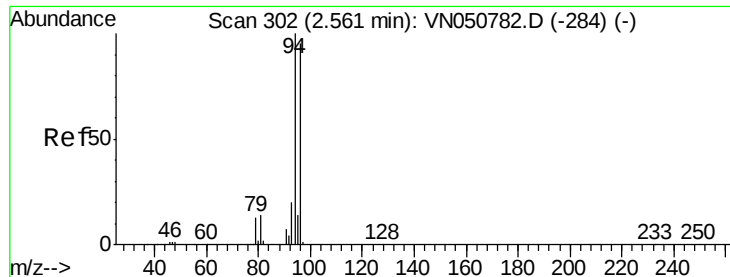
Tgt Ion: 62 Resp: 198078

Ion Ratio Lower Upper

62 100

64 31.1 25.4 38.2





#5

Bromomethane

Concen: 20.21 ug/l

RT: 2.57 min Scan# 304

Delta R.T. 0.01 min

Lab File: VN050812.D

Acq: 22 Aug 2018 12:10

Instrument :

MSVOA_N

ClientSampleId :

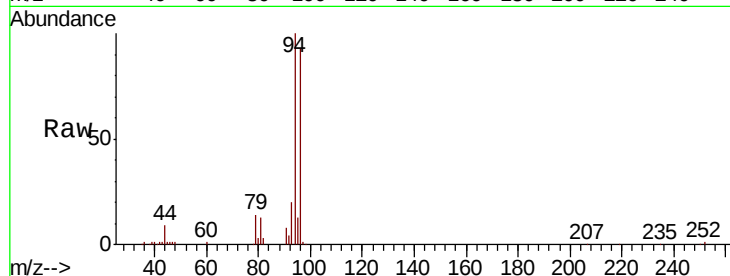
VN0822MBS01

Tot Ion: 94 Resp: 111986

Ion Ratio Lower Upper

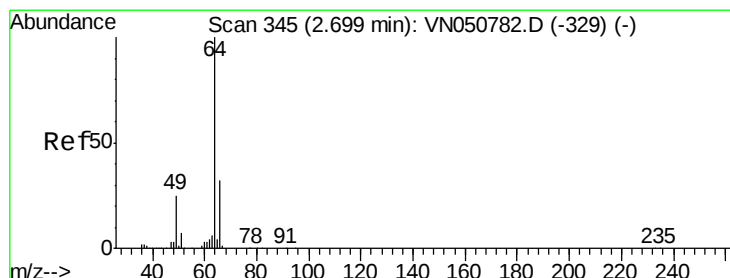
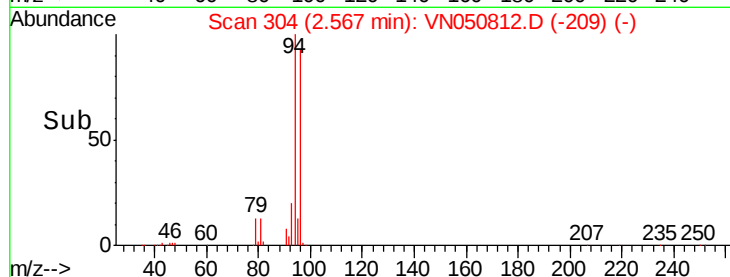
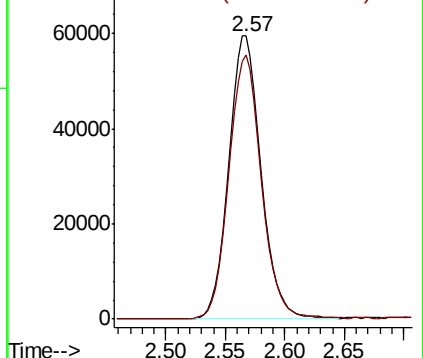
94 100

96 93.5 76.2 114.2



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 20.30 ug/l

RT: 2.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VN050812.D

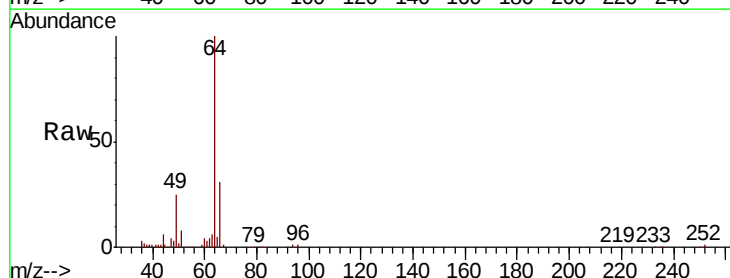
Acq: 22 Aug 2018 12:10

Tgt Ion: 64 Resp: 110906

Ion Ratio Lower Upper

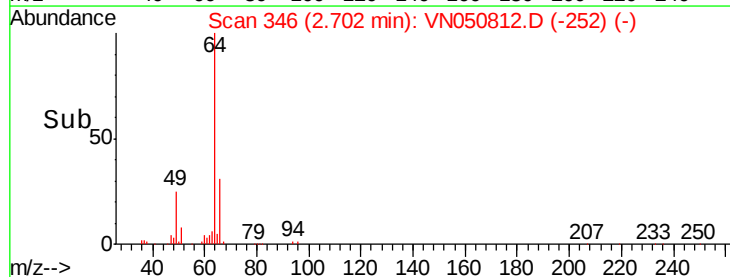
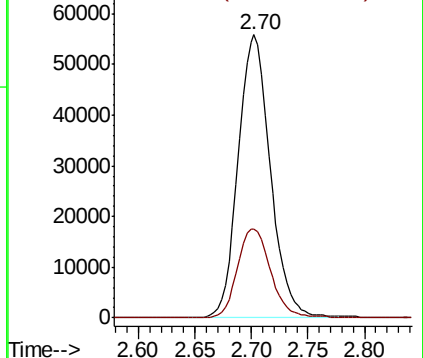
64 100

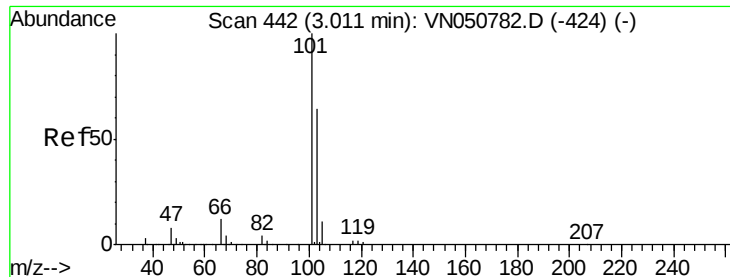
66 31.4 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



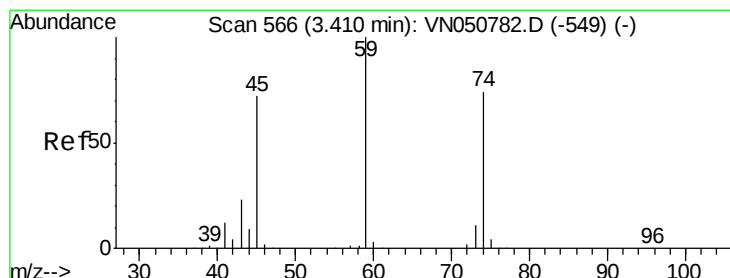
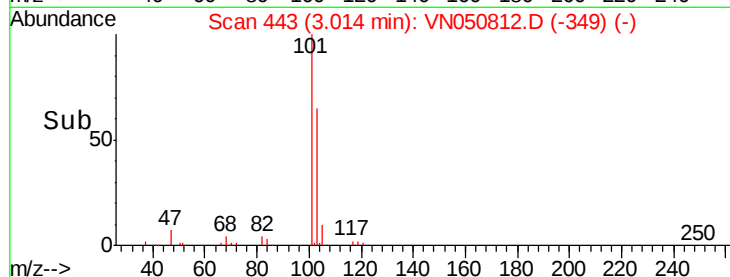
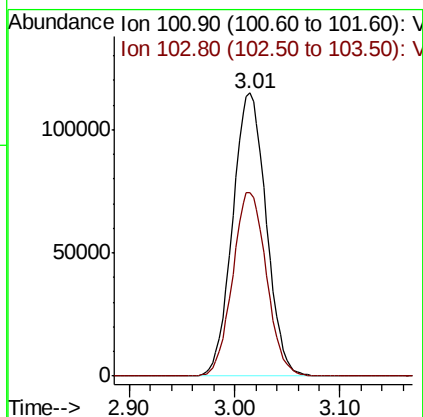
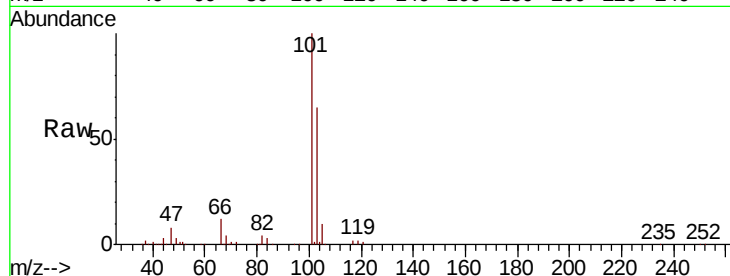


#7

Trichlorofluoromethane
 Concen: 20.97 ug/l
 RT: 3.01 min Scan# 443
 Delta R.T. 0.00 min
 Lab File: VN050812.D
 Acq: 22 Aug 2018 12:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0822MBS01

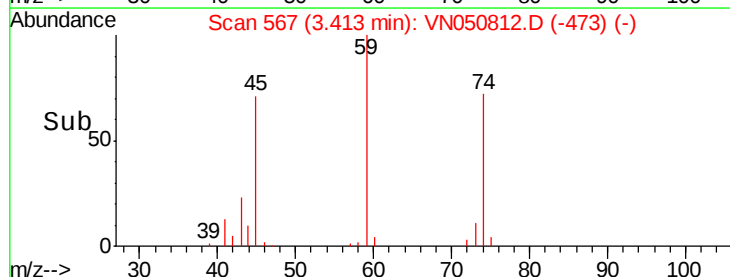
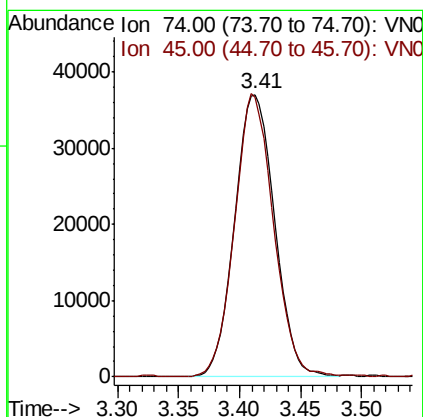
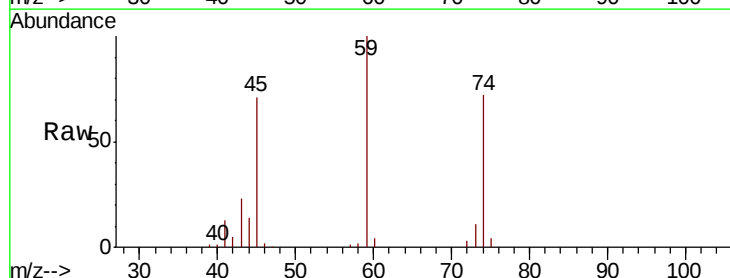
Tot Ion:101 Resp: 253854
 Ion Ratio Lower Upper
 101 100
 103 65.0 51.6 77.4



#8

Diethyl Ether
 Concen: 20.43 ug/l
 RT: 3.41 min Scan# 567
 Delta R.T. 0.00 min
 Lab File: VN050812.D
 Acq: 22 Aug 2018 12:10

Tgt Ion: 74 Resp: 84080
 Ion Ratio Lower Upper
 74 100
 45 97.8 48.2 144.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.76 ug/l

RT: 3.76 min Scan# 674

Delta R.T. -0.00 min

Lab File: VN050812.D

Acq: 22 Aug 2018 12:10

Instrument :

MSVOA_N

ClientSampleId :

VN0822MBS01

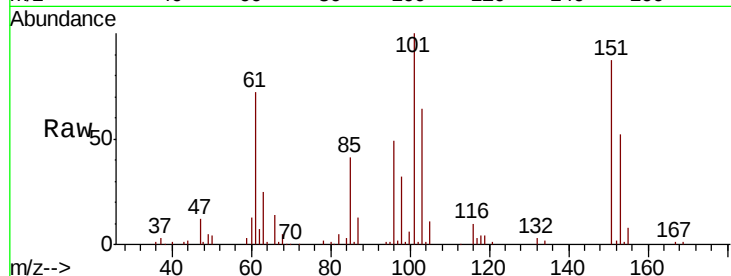
Tot Ion:101 Resp: 157030

Ion Ratio Lower Upper

101 100

85 42.0 33.7 50.5

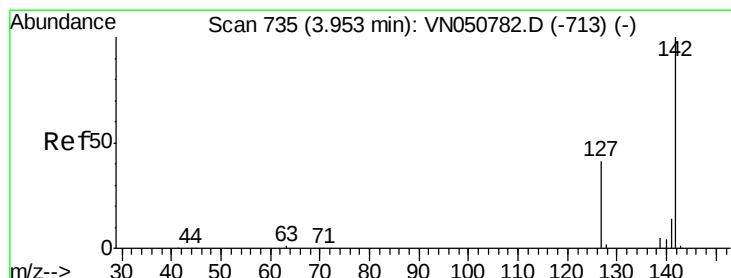
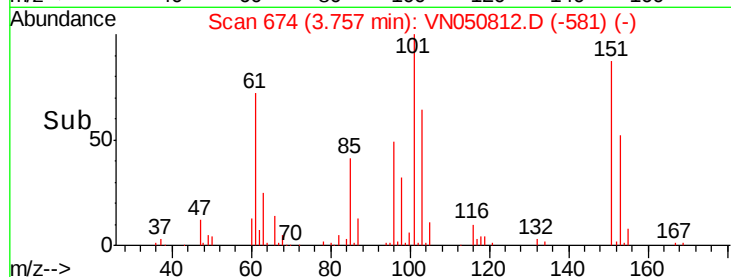
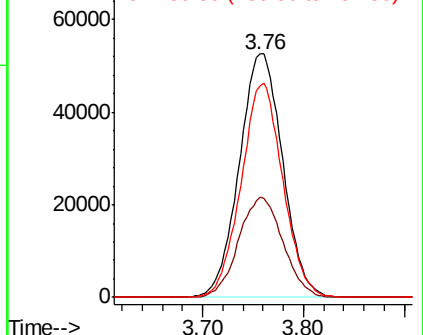
151 84.7 67.4 101.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.97 ug/l

RT: 3.95 min Scan# 735

Delta R.T. 0.00 min

Lab File: VN050812.D

Acq: 22 Aug 2018 12:10

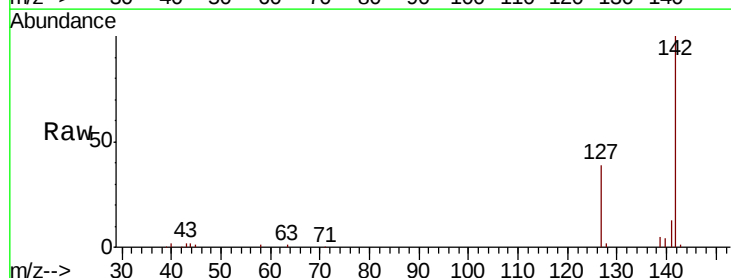
Tgt Ion:142 Resp: 111241

Ion Ratio Lower Upper

142 100

127 41.2 31.7 47.5

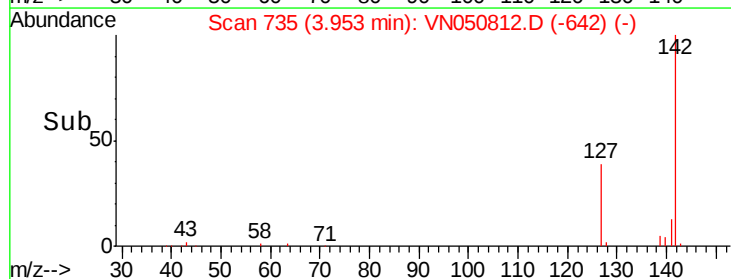
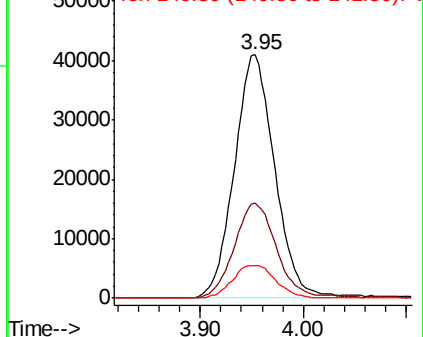
141 14.4 11.4 17.0

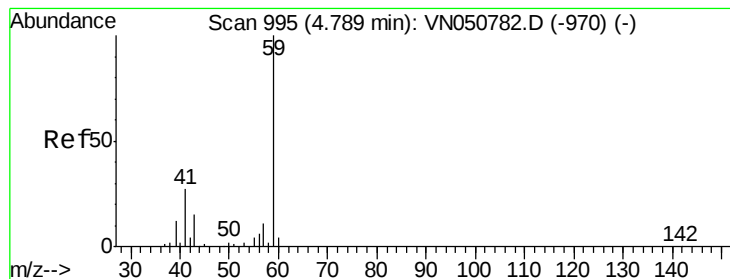


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



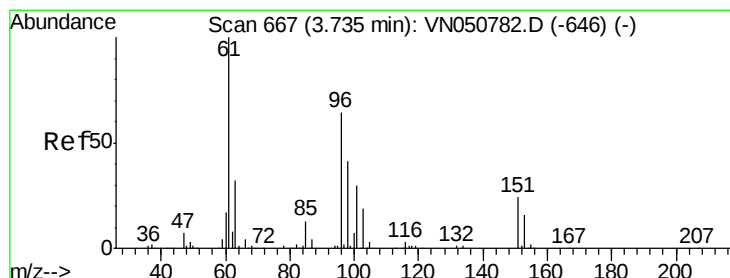
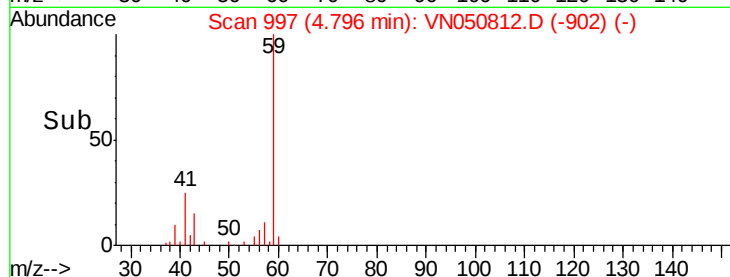
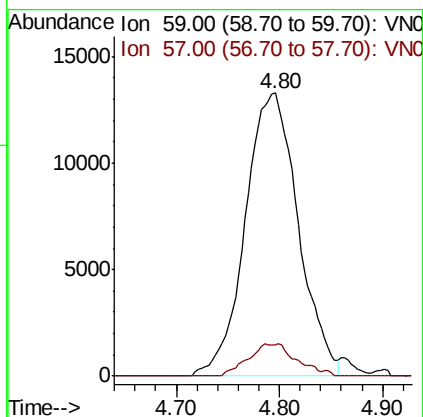
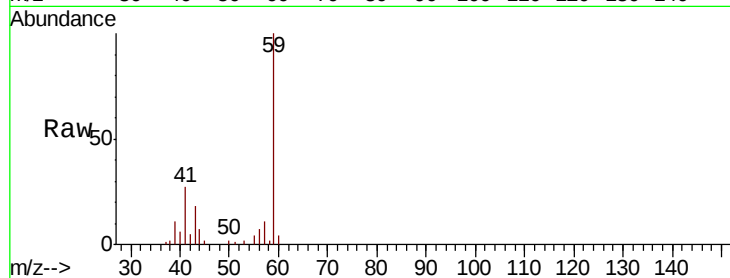


#11

Tert butyl alcohol
 Concen: 102.21 ug/l
 RT: 4.80 min Scan# 997
 Delta R.T. 0.01 min
 Lab File: VN050812.D
 Acq: 22 Aug 2018 12:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0822MBS01

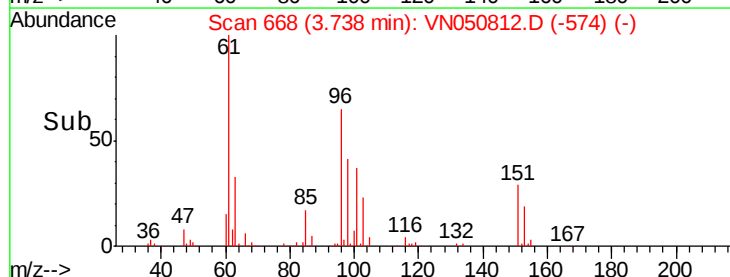
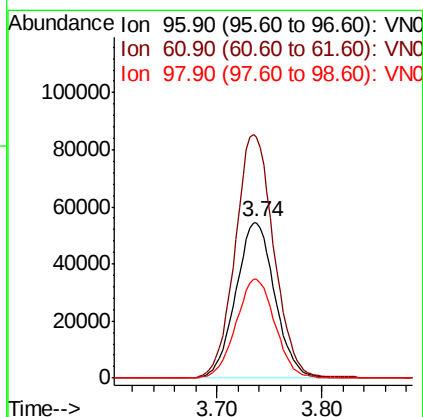
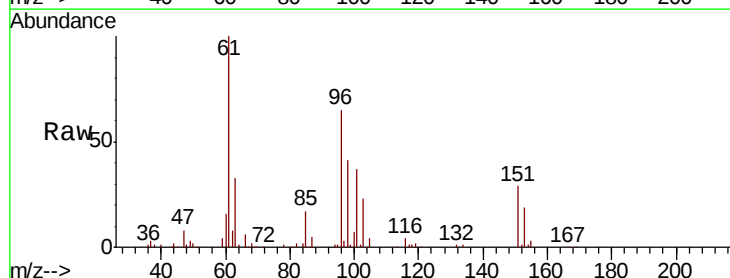
Tot Ion: 59 Resp: 47374
 Ion Ratio Lower Upper
 59 100
 57 5.9 8.3 12.5#

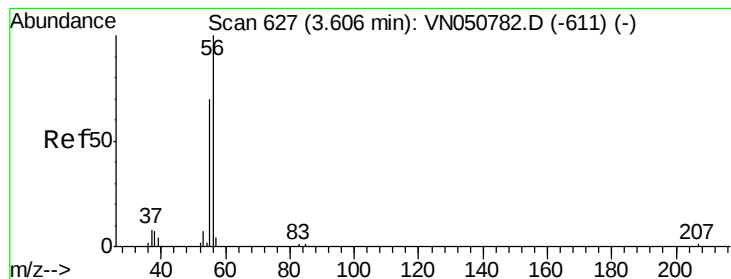


#12

1,1-Dichloroethene
 Concen: 20.60 ug/l
 RT: 3.74 min Scan# 668
 Delta R.T. 0.00 min
 Lab File: VN050812.D
 Acq: 22 Aug 2018 12:10

Tgt Ion: 96 Resp: 139869
 Ion Ratio Lower Upper
 96 100
 61 154.4 124.9 187.3
 98 63.6 51.1 76.7





#13

Acrolein

Concen: 102.40 ug/l

RT: 3.61 min Scan# 629

Delta R.T. 0.01 min

Lab File: VN050812.D

Acq: 22 Aug 2018 12:10

Instrument :

MSVOA_N

ClientSampleId :

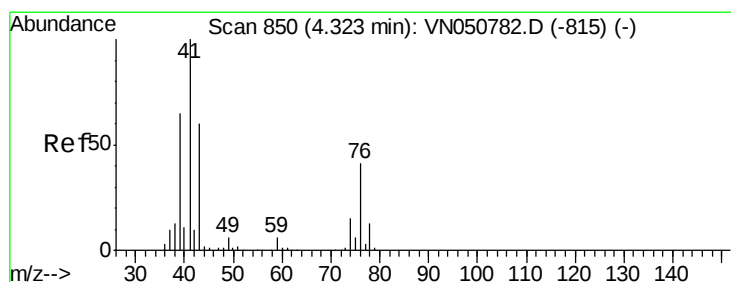
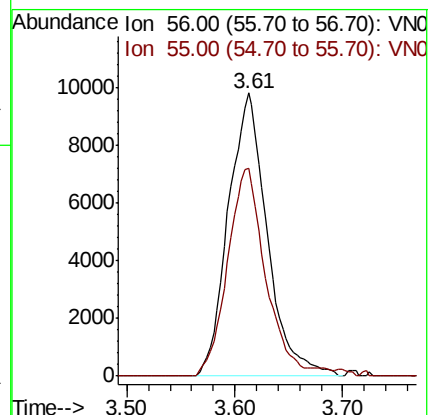
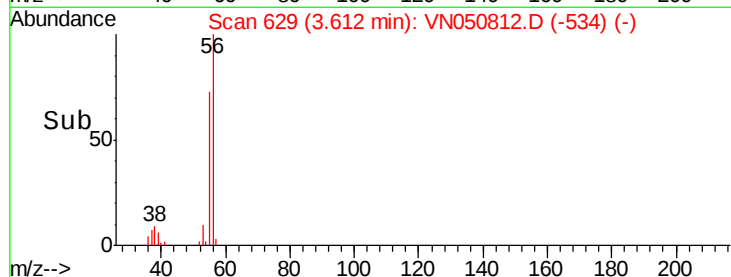
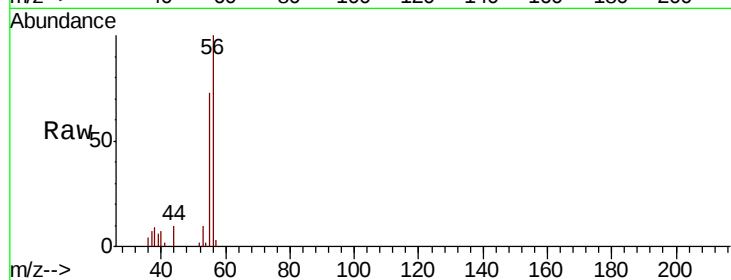
VN0822MBS01

Tot Ion: 56 Resp: 24633

Ion Ratio Lower Upper

56 100

55 71.6 57.7 86.5



#14

Allyl chloride

Concen: 19.93 ug/l

RT: 4.32 min Scan# 850

Delta R.T. -0.00 min

Lab File: VN050812.D

Acq: 22 Aug 2018 12:10

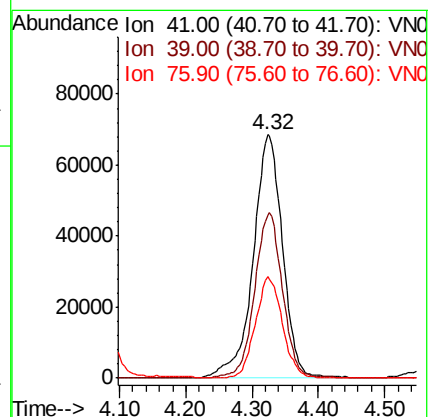
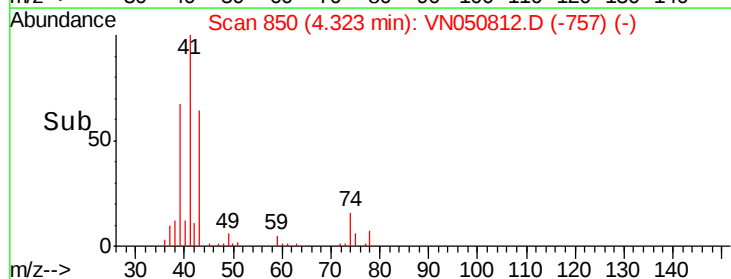
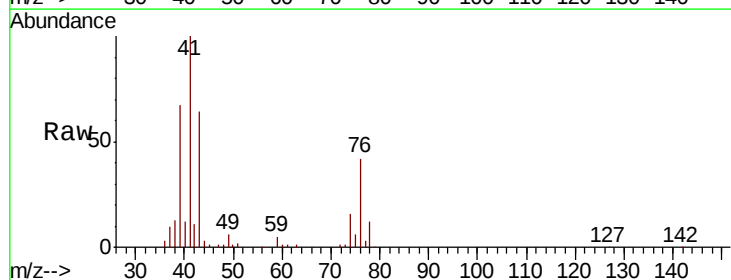
Tgt Ion: 41 Resp: 210870

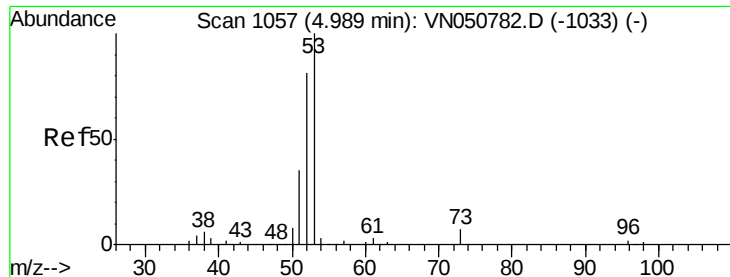
Ion Ratio Lower Upper

41 100

39 64.4 50.2 75.2

76 37.5 29.8 44.8





#15

Acrylonitrile

Concen: 104.33 ug/l

RT: 4.99 min Scan# 1058

Delta R.T. 0.00 min

Lab File: VN050812.D

Acq: 22 Aug 2018 12:10

Instrument :

MSVOA_N

ClientSampleId :

VN0822MBS01

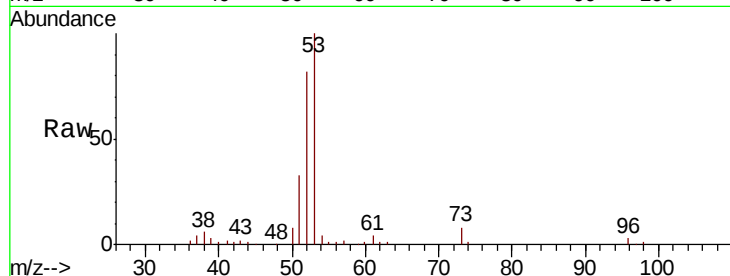
Tot Ion: 53 Resp: 245758

Ion Ratio Lower Upper

53 100

52 81.7 65.9 98.9

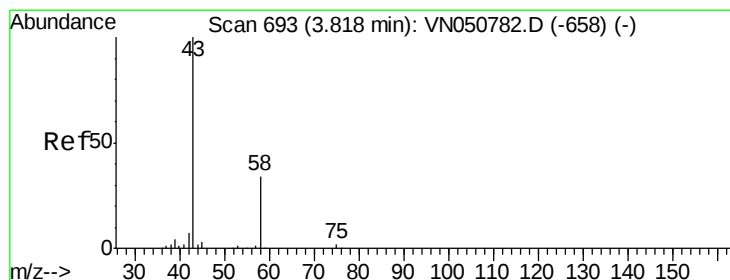
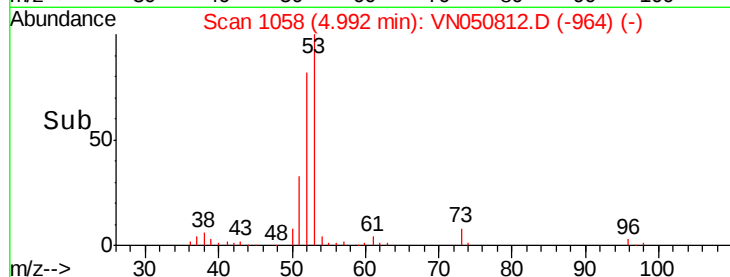
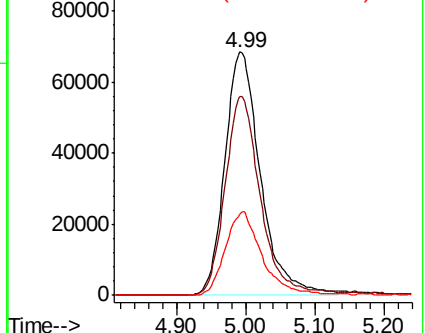
51 35.3 28.6 43.0



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 97.07 ug/l

RT: 3.82 min Scan# 694

Delta R.T. 0.00 min

Lab File: VN050812.D

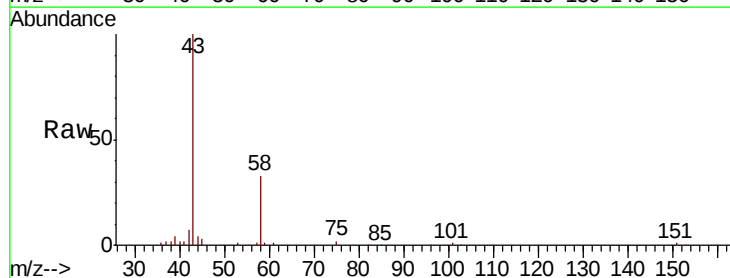
Acq: 22 Aug 2018 12:10

Tgt Ion: 43 Resp: 174759

Ion Ratio Lower Upper

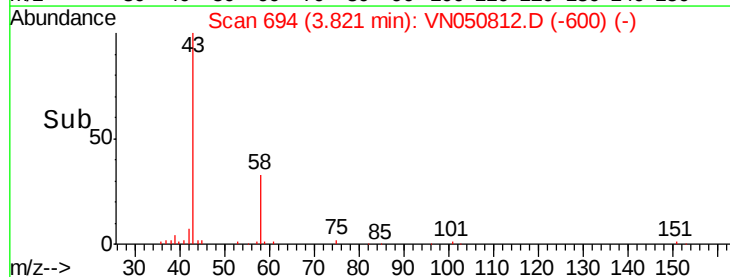
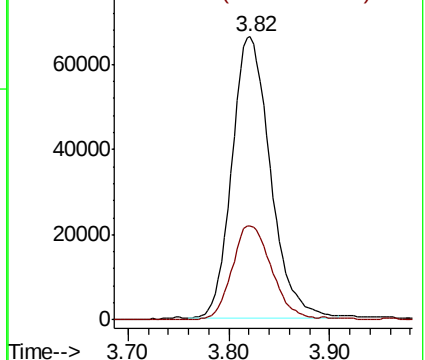
43 100

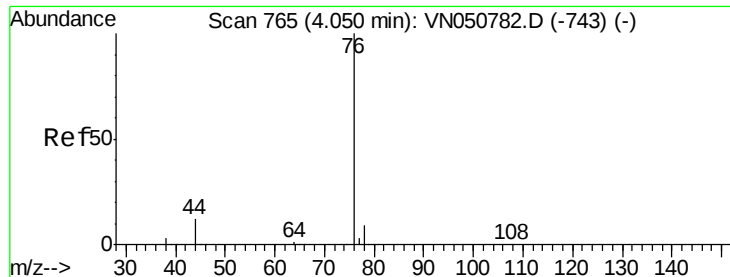
58 33.5 27.2 40.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

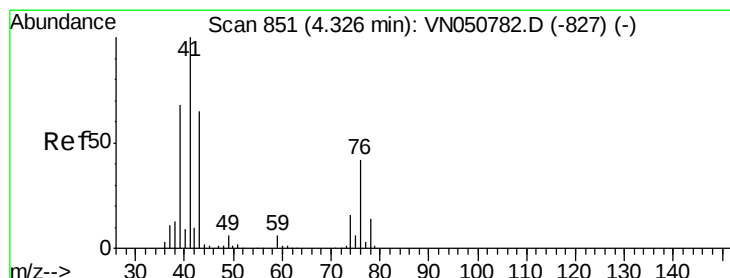
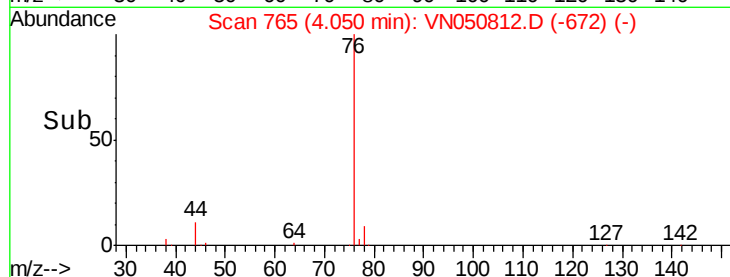
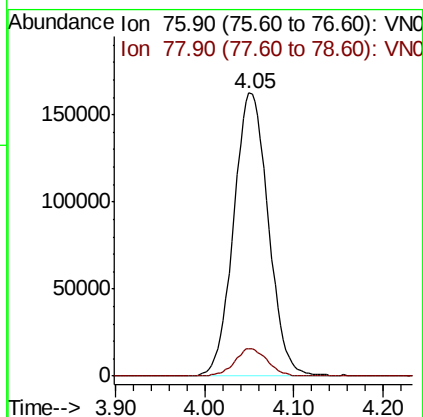
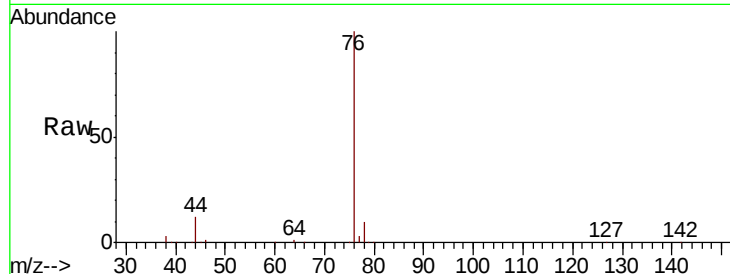




#17
Carbon Disulfide
Concen: 19.24 ug/l
RT: 4.05 min Scan# 765
Delta R.T. -0.00 min
Lab File: VN050812.D
Acq: 22 Aug 2018 12:10

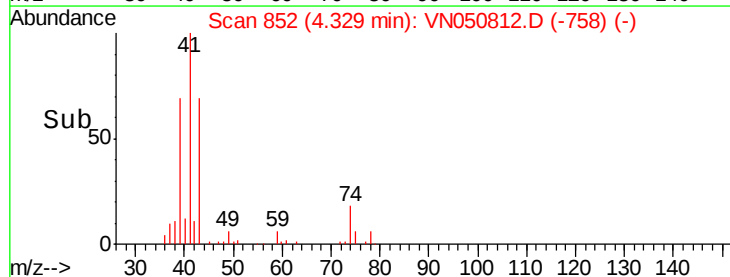
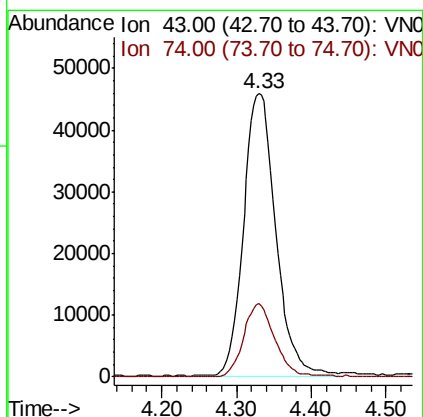
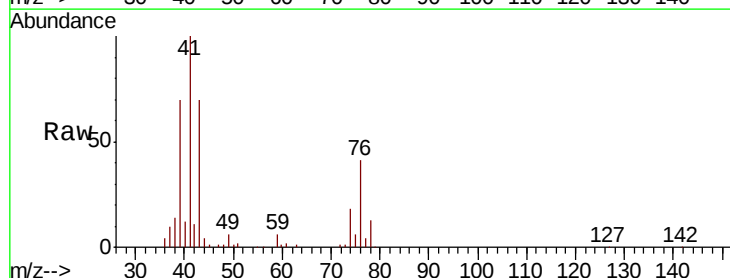
Instrument :
MSVOA_N
ClientSampleId :
VN0822MBS01

Tot Ion: 76 Resp: 437924
Ion Ratio Lower Upper
76 100
78 9.8 7.3 10.9



#18
Methyl Acetate
Concen: 20.21 ug/l
RT: 4.33 min Scan# 852
Delta R.T. 0.00 min
Lab File: VN050812.D
Acq: 22 Aug 2018 12:10

Tgt Ion: 43 Resp: 138907
Ion Ratio Lower Upper
43 100
74 25.0 19.8 29.8

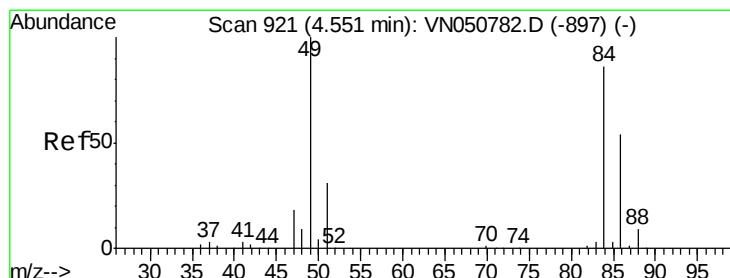
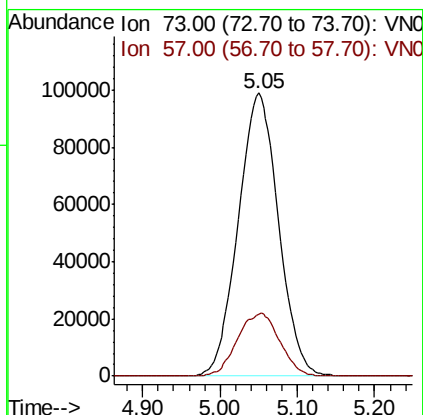
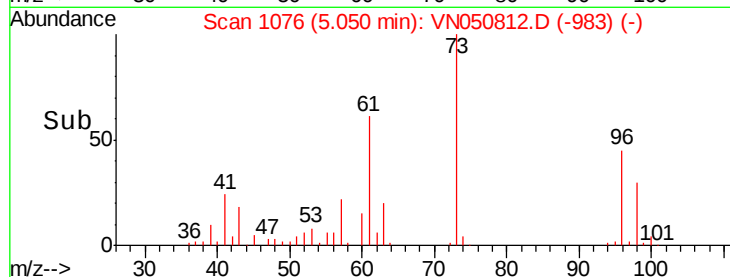
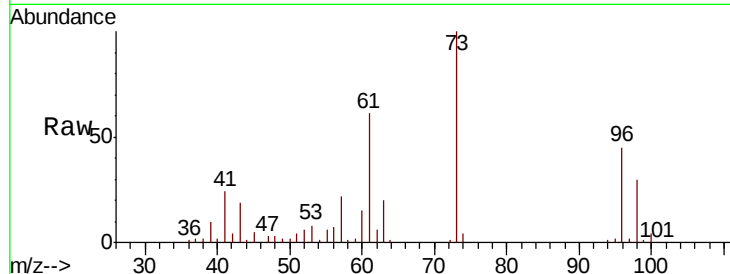




#19
Methyl tert-butyl Ether
Concen: 20.98 ug/l
RT: 5.05 min Scan# 1076
Delta R.T. -0.00 min
Lab File: VN050812.D
Acq: 22 Aug 2018 12:10

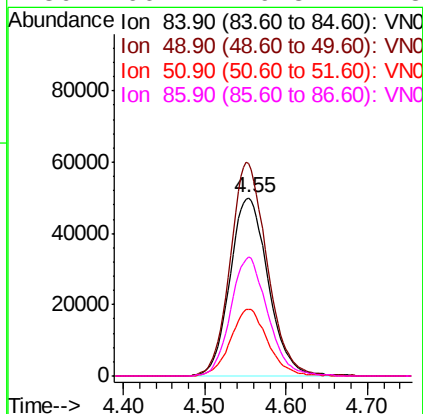
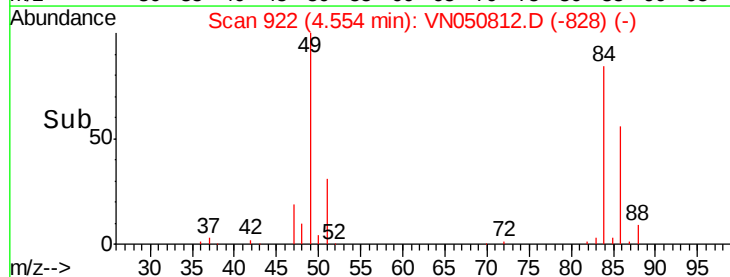
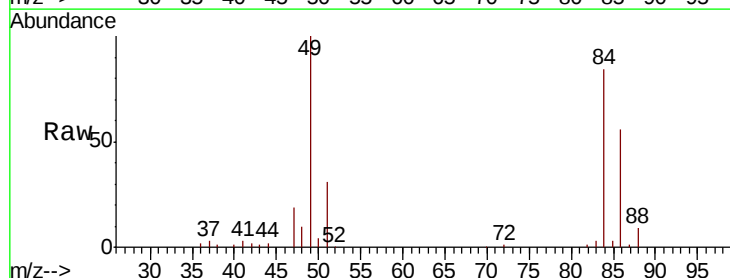
Instrument :
MSVOA_N
ClientSampled :
VN0822MBS01

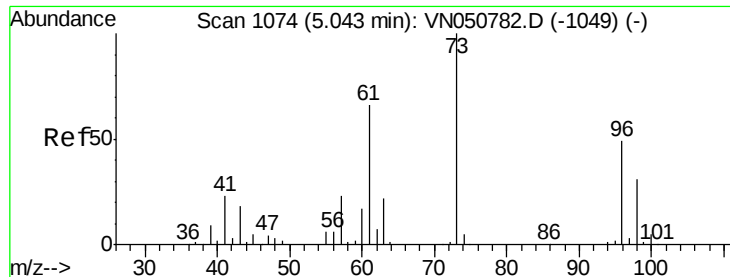
Tot Ion: 73 Resp: 358318
Ion Ratio Lower Upper
73 100
57 22.0 17.8 26.8



#20
Methylene Chloride
Concen: 19.82 ug/l
RT: 4.55 min Scan# 922
Delta R.T. 0.00 min
Lab File: VN050812.D
Acq: 22 Aug 2018 12:10

Tgt Ion: 84 Resp: 162584
Ion Ratio Lower Upper
84 100
49 119.2 93.2 139.8
51 37.1 29.0 43.6
86 66.7 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 20.29 ug/l

RT: 5.04 min Scan# 1074

Delta R.T. -0.00 min

Lab File: VN050812.D

Acq: 22 Aug 2018 12:10

Instrument :
MSVOA_N
ClientSampled :
VN0822MBS01

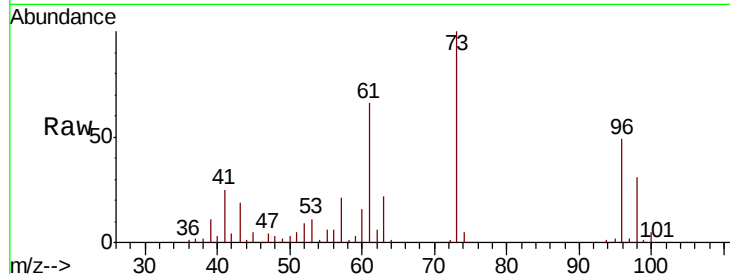
Tot Ion: 96 Resp: 149031

Ion Ratio Lower Upper

96 100

61 133.1 107.4 161.0

98 63.3 50.7 76.1

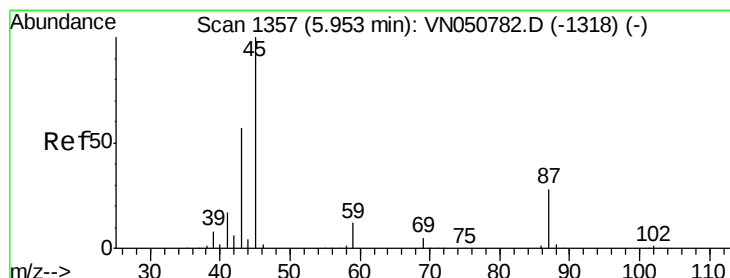
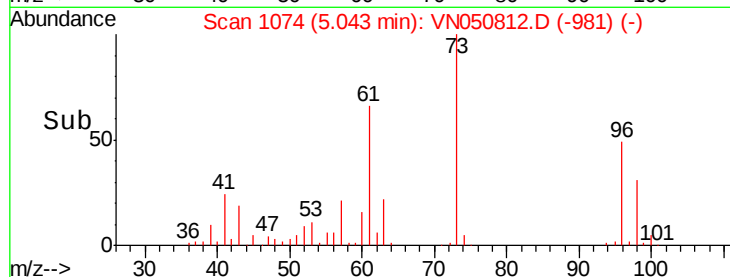
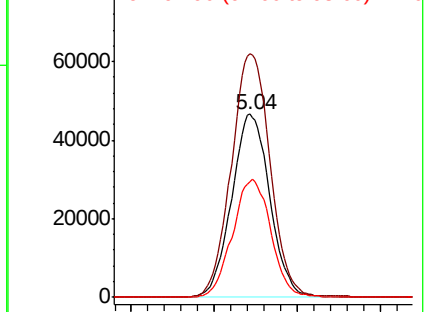


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 21.41 ug/l

RT: 5.96 min Scan# 1358

Delta R.T. 0.00 min

Lab File: VN050812.D

Acq: 22 Aug 2018 12:10

Tgt Ion: 45 Resp: 451519

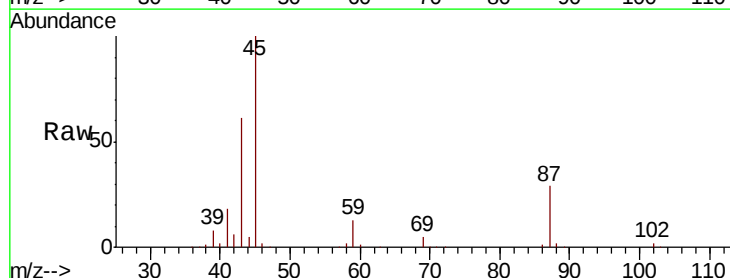
Ion Ratio Lower Upper

45 100

43 59.1 45.9 68.9

87 29.0 22.7 34.1

59 12.2 9.3 13.9



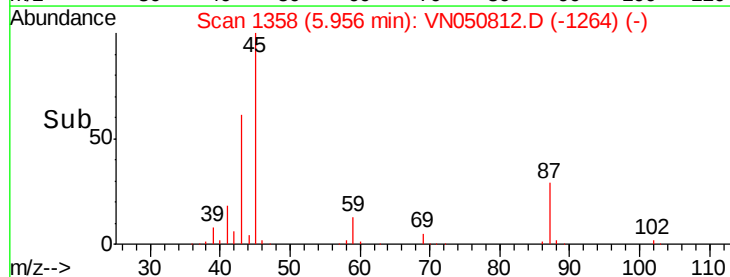
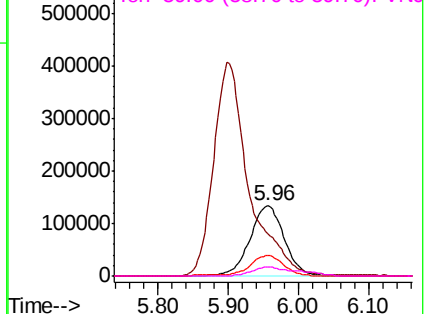
Abundance

Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 105.06 ug/l

RT: 5.90 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VN050812.D

Acq: 22 Aug 2018 12:10

Instrument :

MSVOA_N

ClientSampleId :

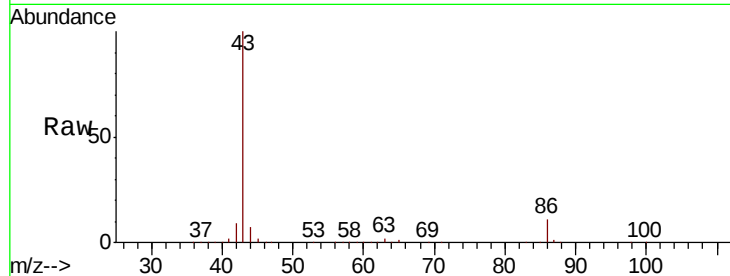
VN0822MBS01

Tot Ion: 43 Resp: 1426756

Ion Ratio Lower Upper

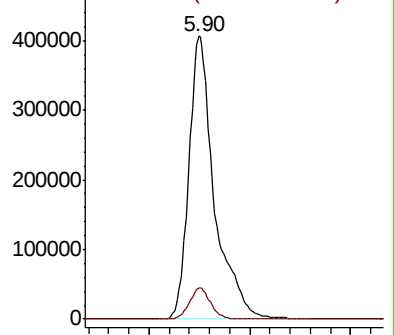
43 100

86 11.0 8.7 13.1

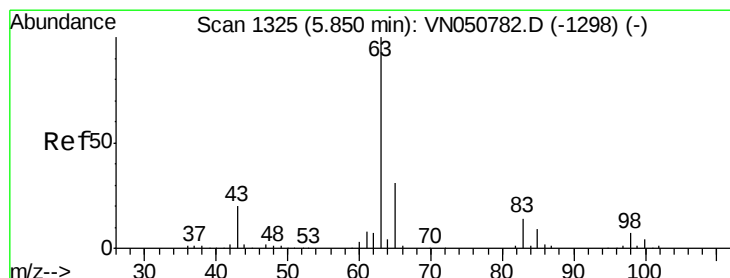
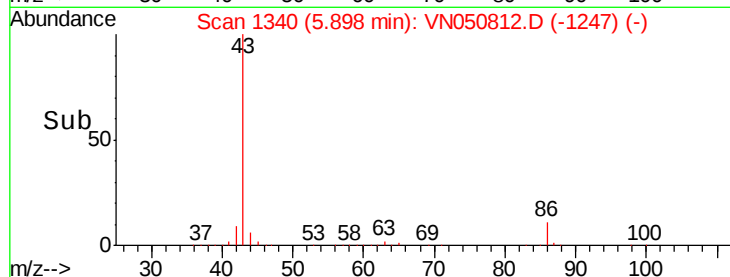


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



Time-->



#24

1,1-Dichloroethane

Concen: 20.63 ug/l

RT: 5.85 min Scan# 1325

Delta R.T. -0.00 min

Lab File: VN050812.D

Acq: 22 Aug 2018 12:10

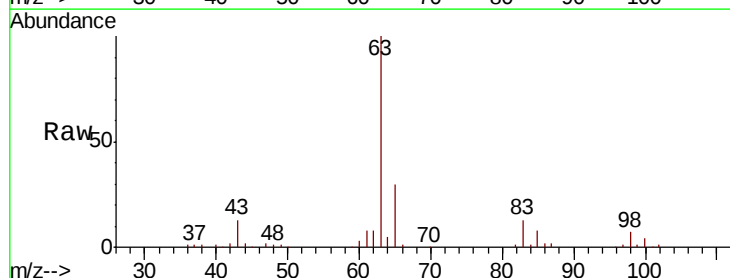
Tgt Ion: 63 Resp: 279360

Ion Ratio Lower Upper

63 100

98 6.7 3.3 9.8

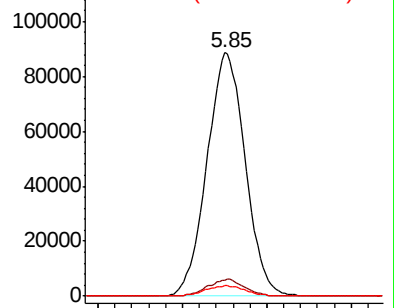
100 4.3 2.1 6.5



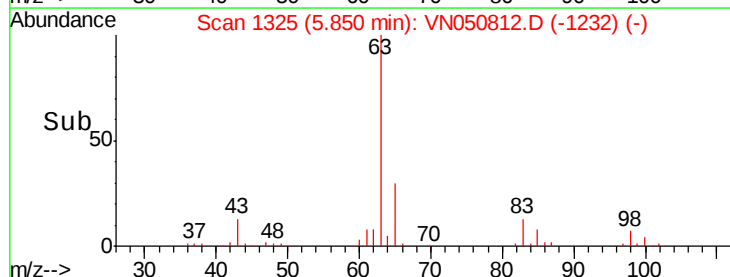
Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0



Time-->

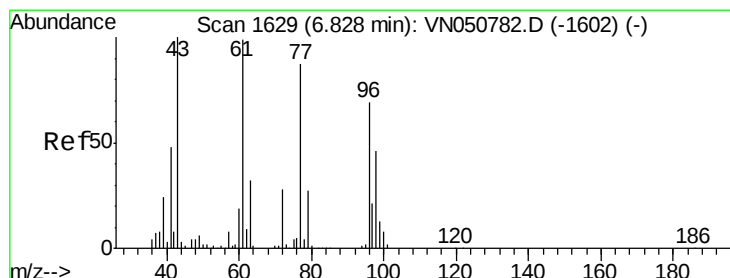
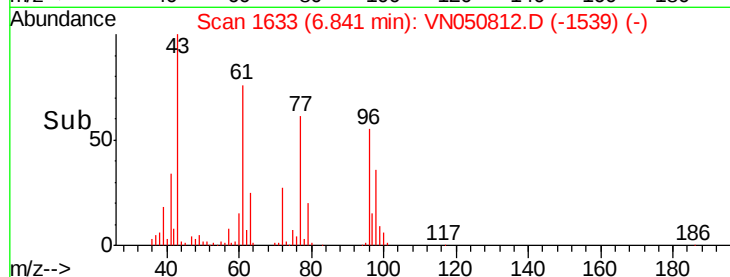
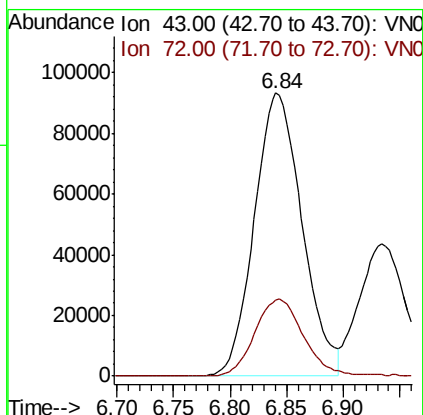
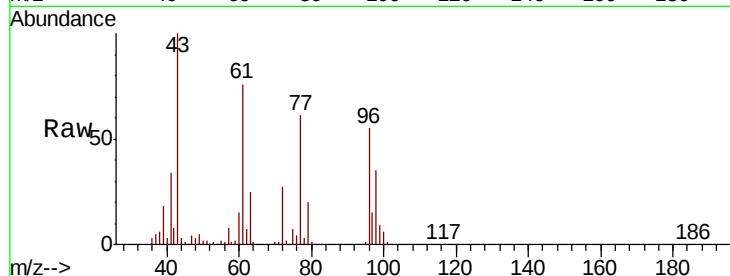




#25
2-Butanone
Concen: 92.63 ug/l
RT: 6.84 min Scan# 1633
Delta R.T. 0.00 min
Lab File: VN050812.D
Acq: 22 Aug 2018 12:10

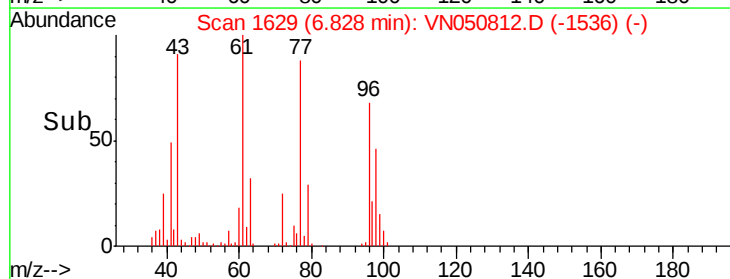
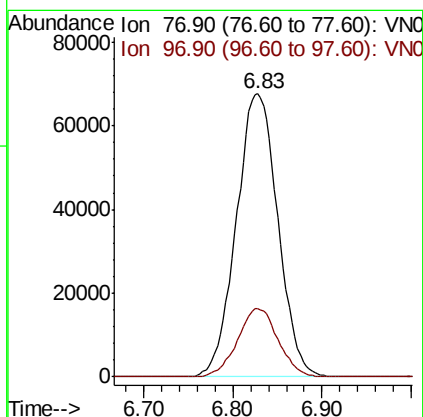
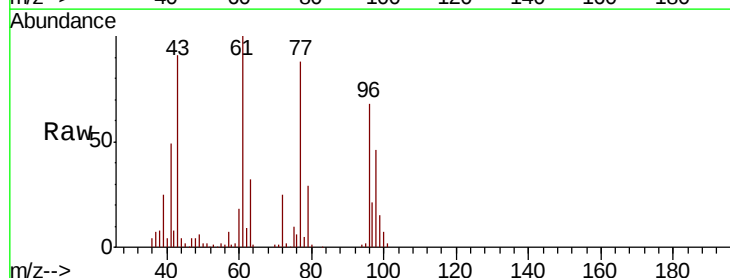
Instrument :
MSVOA_N
ClientSampled :
VN0822MBS01

Tot Ion: 43 Resp: 271713
Ion Ratio Lower Upper
43 100
72 27.0 22.3 33.5



#26
2,2-Dichloropropane
Concen: 20.13 ug/l
RT: 6.83 min Scan# 1629
Delta R.T. -0.00 min
Lab File: VN050812.D
Acq: 22 Aug 2018 12:10

Tgt Ion: 77 Resp: 219005
Ion Ratio Lower Upper
77 100
97 23.6 12.0 36.0





#27

cis-1,2-Dichloroethene

Concen: 20.61 ug/l

RT: 6.83 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VN050812.D

Acq: 22 Aug 2018 12:10

Instrument :

MSVOA_N

ClientSampled :

VN0822MBS01

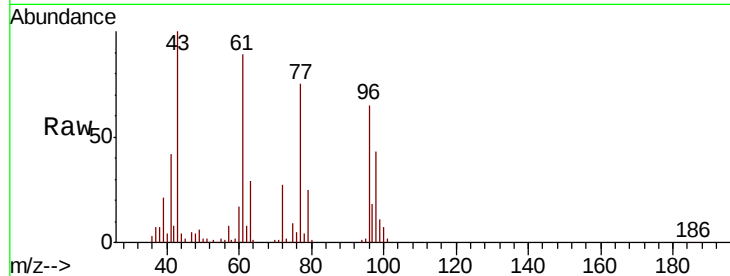
Tot Ion: 96 Resp: 163165

Ion Ratio Lower Upper

96 100

61 142.2 0.0 283.4

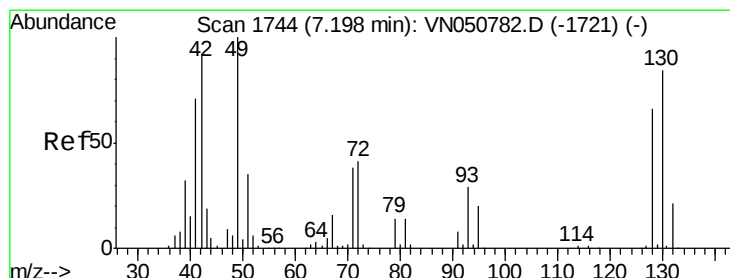
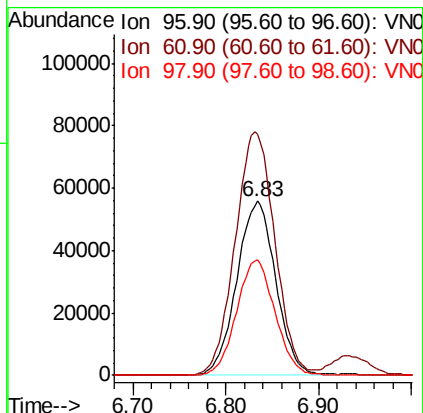
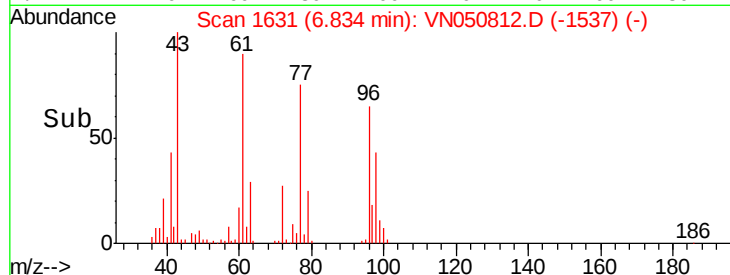
98 65.5 0.0 129.8



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 18.55 ug/l

RT: 7.20 min Scan# 1744

Delta R.T. -0.00 min

Lab File: VN050812.D

Acq: 22 Aug 2018 12:10

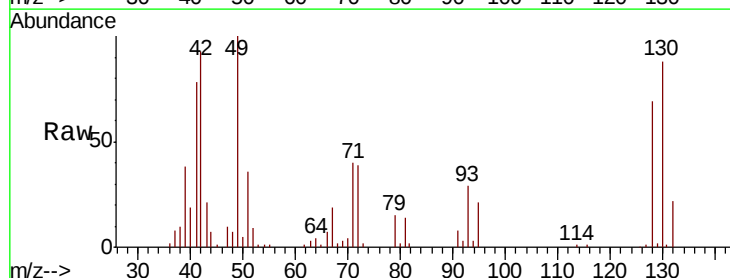
Tgt Ion: 49 Resp: 106696

Ion Ratio Lower Upper

49 100

129 2.2 0.0 4.2

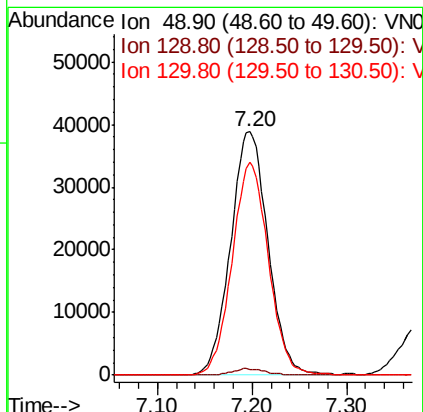
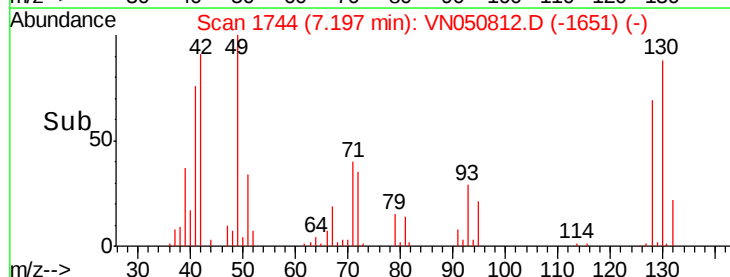
130 84.8 67.1 100.7

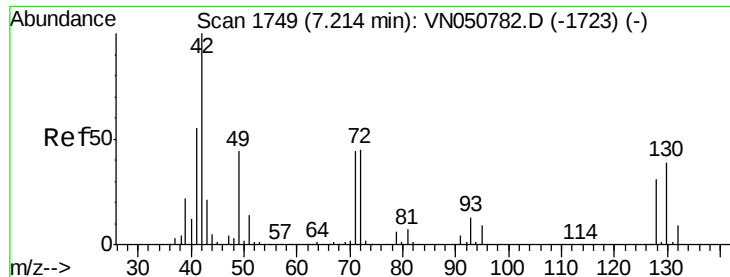


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

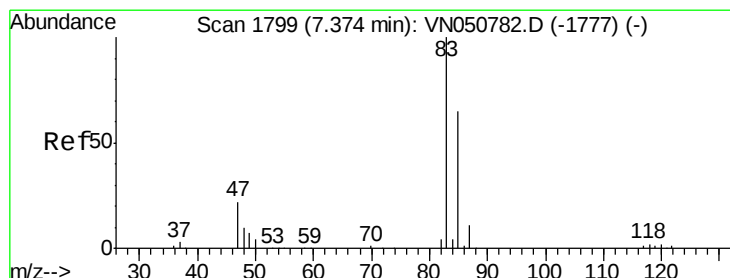
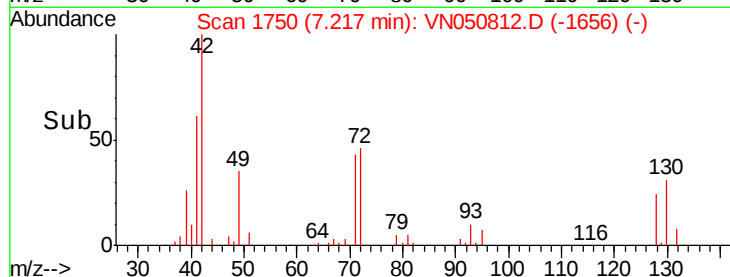
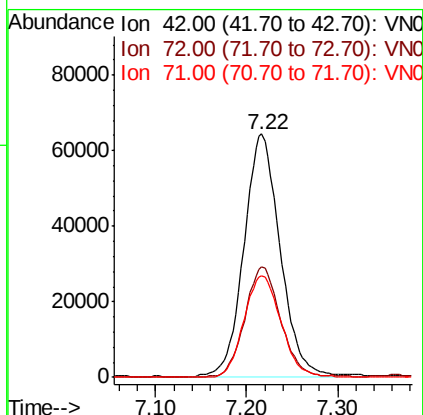
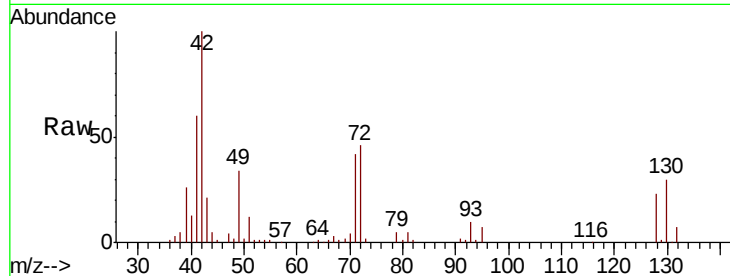




#29
Tetrahydrofuran
Concen: 106.44 ug/l
RT: 7.22 min Scan# 1750
Delta R.T. 0.00 min
Lab File: VN050812.D
Acq: 22 Aug 2018 12:10

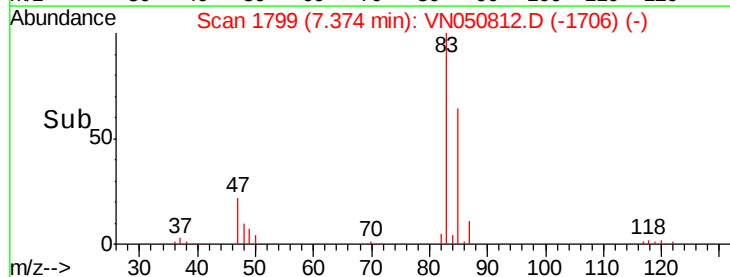
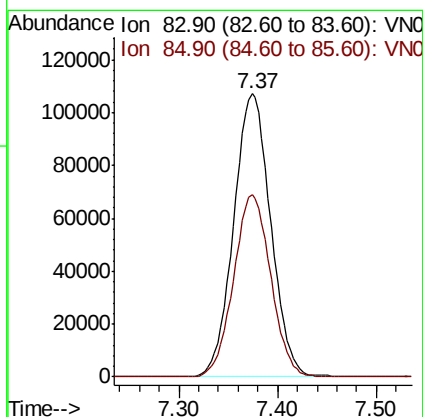
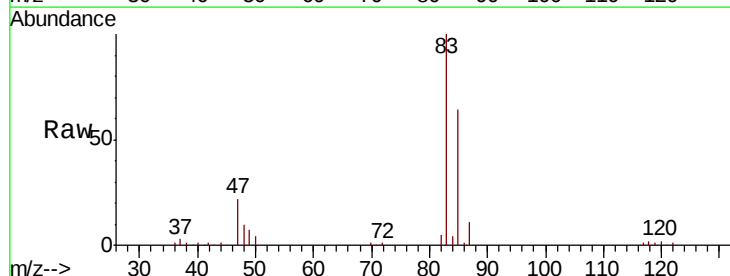
Instrument :
MSVOA_N
ClientSampleId :
VN0822MBS01

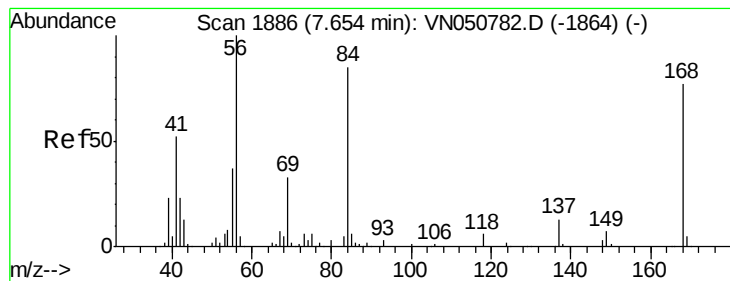
Tot Ion: 42 Resp: 179003
Ion Ratio Lower Upper
42 100
72 44.4 35.5 53.3
71 42.6 33.7 50.5



#30
Chloroform
Concen: 20.80 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. -0.00 min
Lab File: VN050812.D
Acq: 22 Aug 2018 12:10

Tgt Ion: 83 Resp: 278896
Ion Ratio Lower Upper
83 100
85 64.5 52.2 78.4





#31

Cyclohexane

Concen: 20.11 ug/l

RT: 7.66 min Scan# 1887

Delta R.T. 0.00 min

Lab File: VN050812.D

Acq: 22 Aug 2018 12:10

Instrument :

MSVOA_N

ClientSampleId :

VN0822MBS01

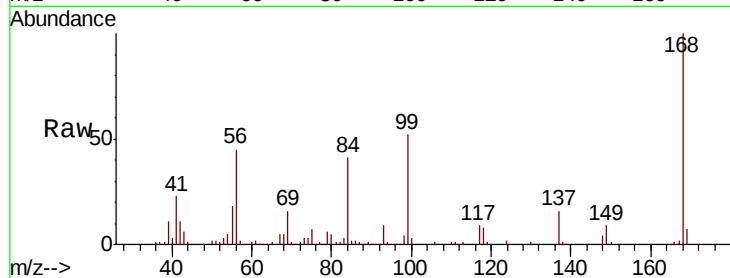
Tot Ion: 56 Resp: 244017

Ion Ratio Lower Upper

56 100

69 35.9 26.2 39.4

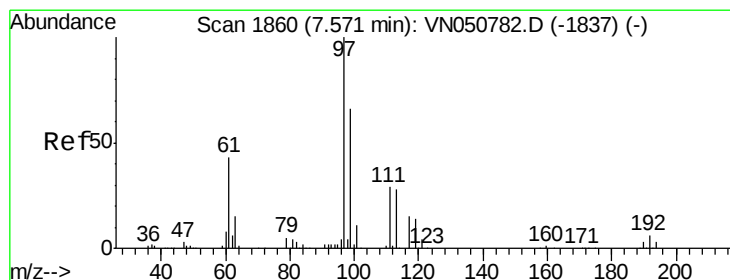
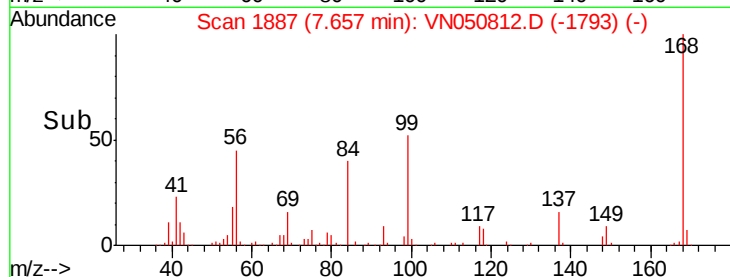
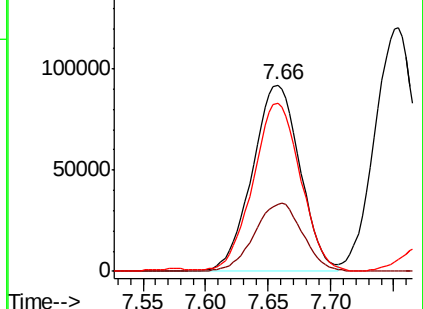
84 89.2 68.3 102.5



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 20.55 ug/l

RT: 7.57 min Scan# 1860

Delta R.T. -0.00 min

Lab File: VN050812.D

Acq: 22 Aug 2018 12:10

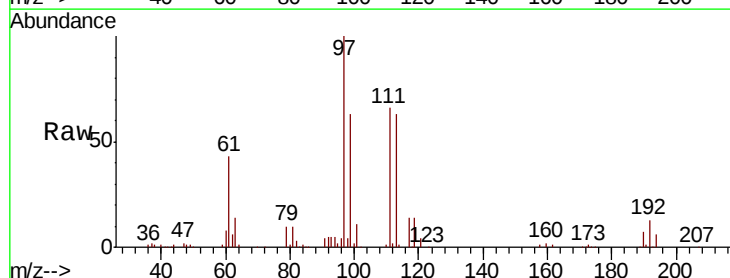
Tgt Ion: 97 Resp: 236580

Ion Ratio Lower Upper

97 100

99 64.6 51.8 77.6

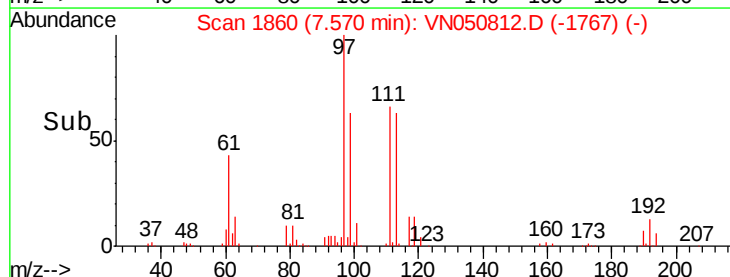
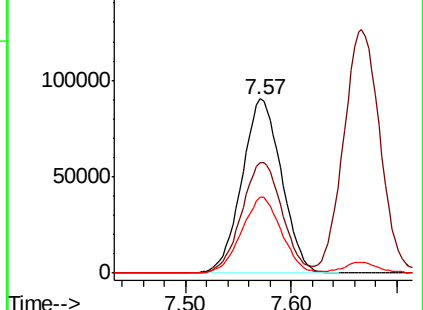
61 43.6 34.9 52.3

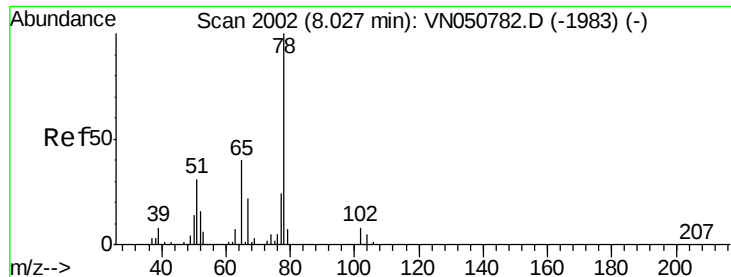


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

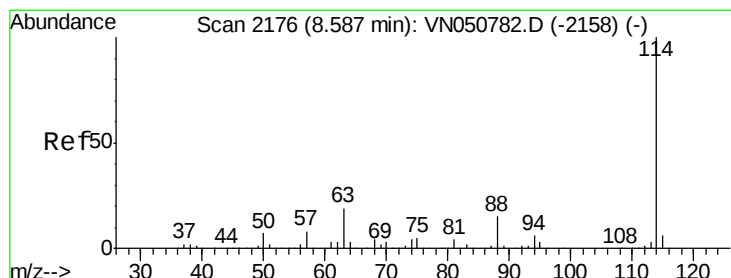
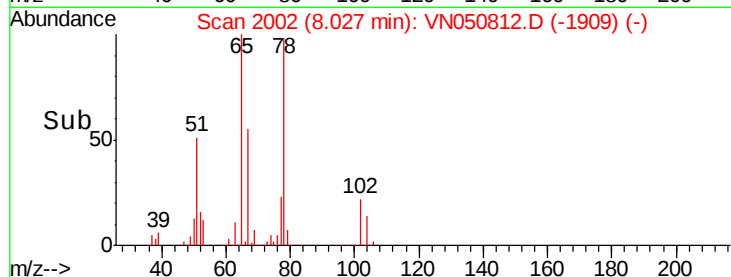
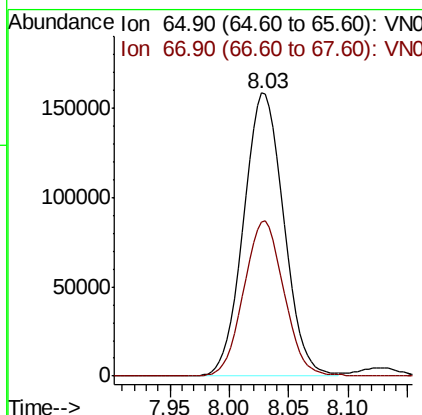
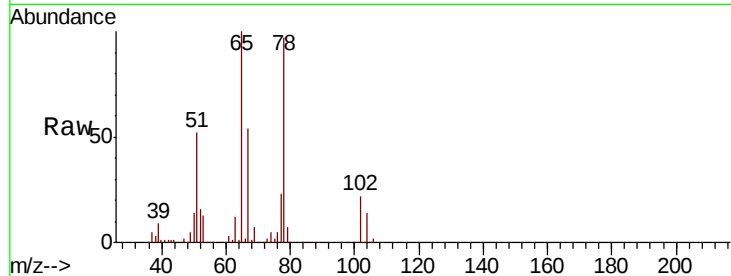




#33
 1,2-Dichloroethane-d4
 Concen: 51.07 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. -0.00 min
 Lab File: VN050812.D
 Acq: 22 Aug 2018 12:10

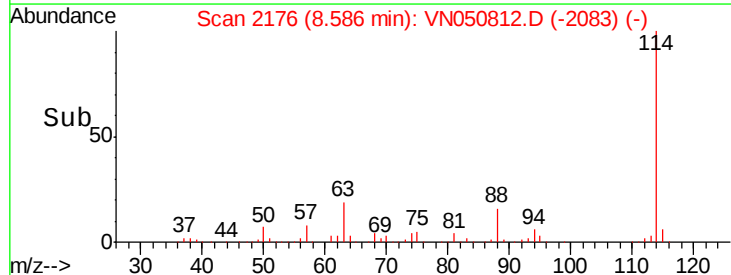
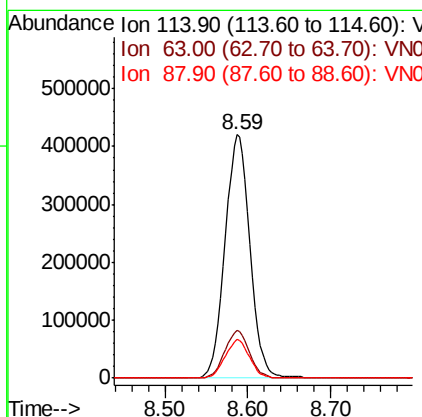
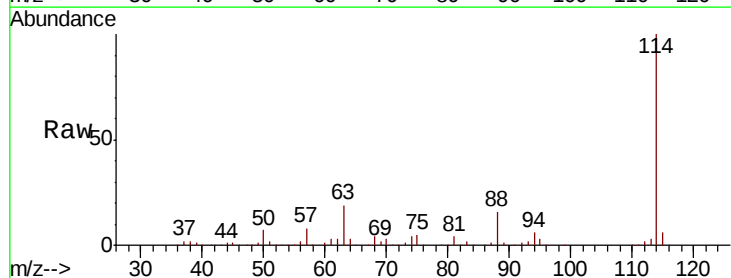
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0822MBS01

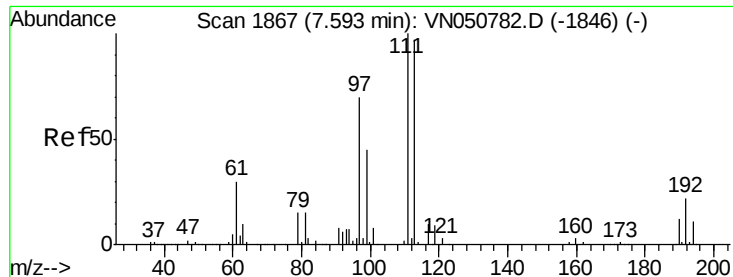
Tot Ion: 65 Resp: 371723
 Ion Ratio Lower Upper
 65 100
 67 54.7 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN050812.D
 Acq: 22 Aug 2018 12:10

Tgt Ion: 114 Resp: 877665
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 38.6
 88 15.8 0.0 30.6

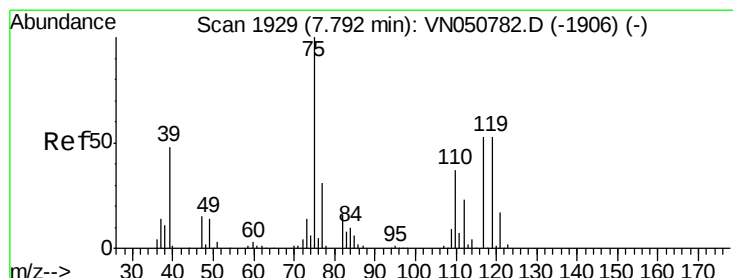
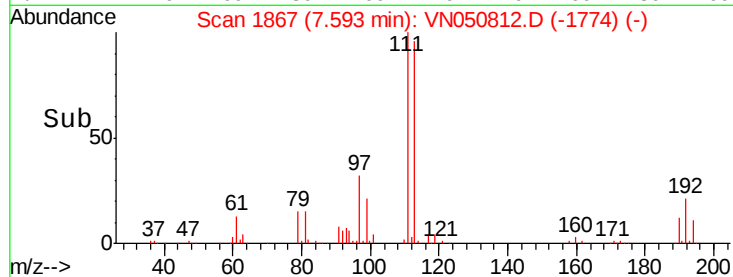
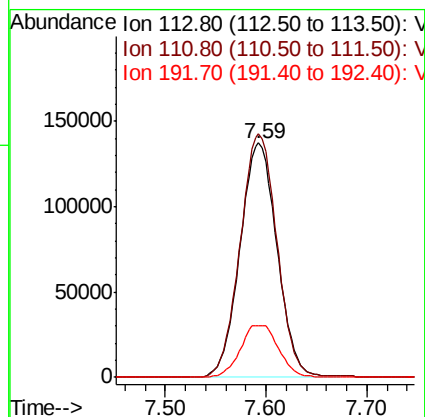
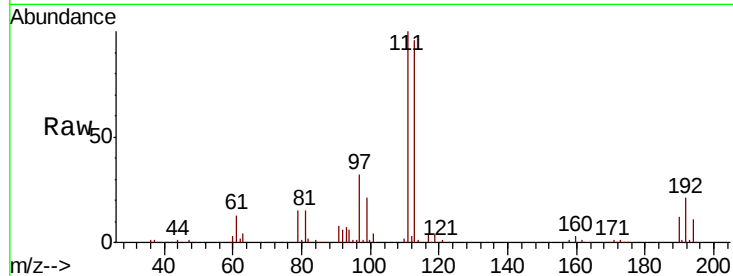




#35
 Dibromofluoromethane
 Concen: 50.08 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN050812.D
 Acq: 22 Aug 2018 12:10

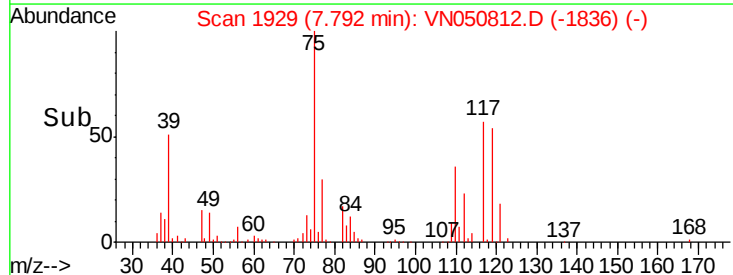
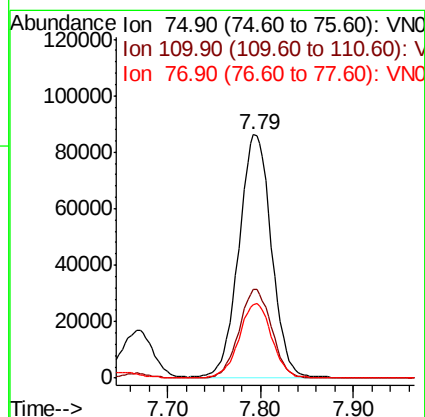
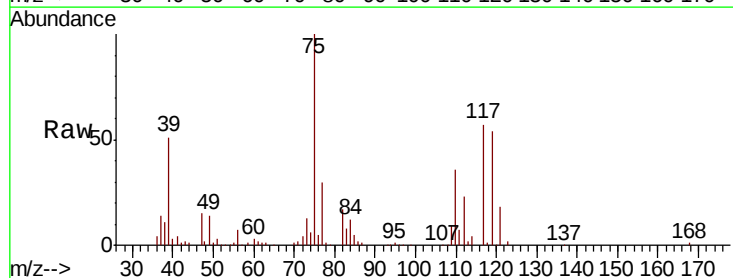
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0822MBS01

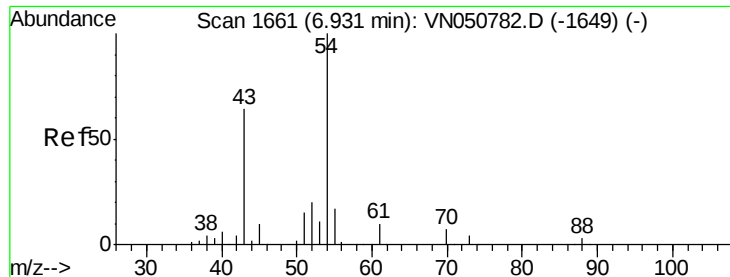
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.6	82.6	123.8
192	22.9	18.0	27.0



#36
 1,1-Dichloropropene
 Concen: 20.22 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. -0.00 min
 Lab File: VN050812.D
 Acq: 22 Aug 2018 12:10

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.3	18.1	54.4
77	31.1	24.8	37.2

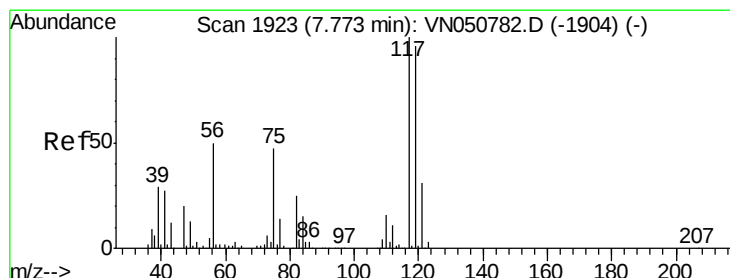
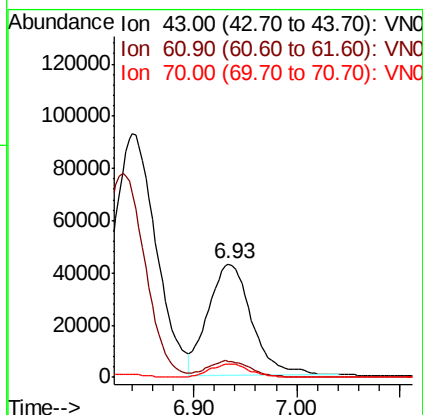
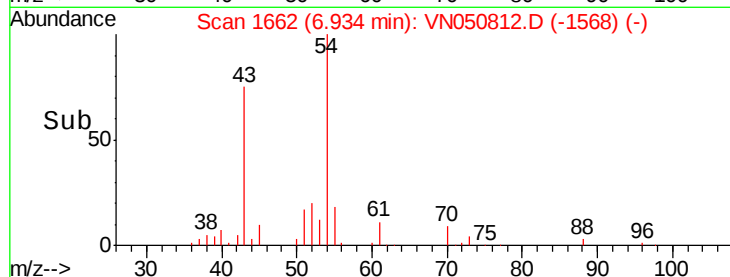
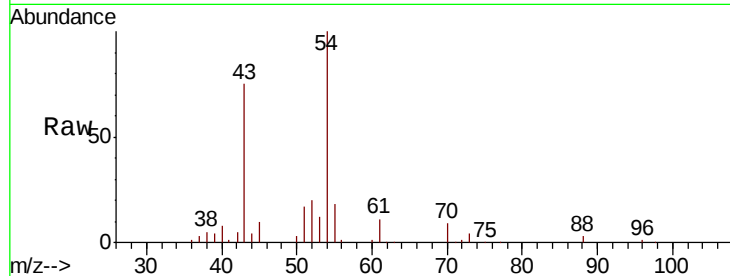




#37
Ethyl Acetate
Concen: 21.08 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VN050812.D
Acq: 22 Aug 2018 12:10

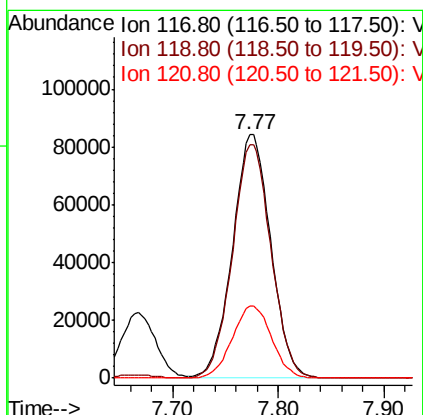
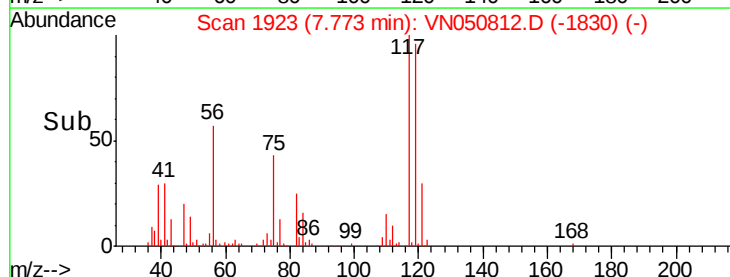
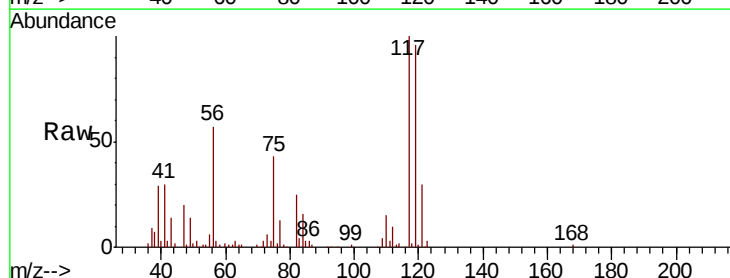
Instrument :
MSVOA_N
ClientSampleId :
VN0822MBS01

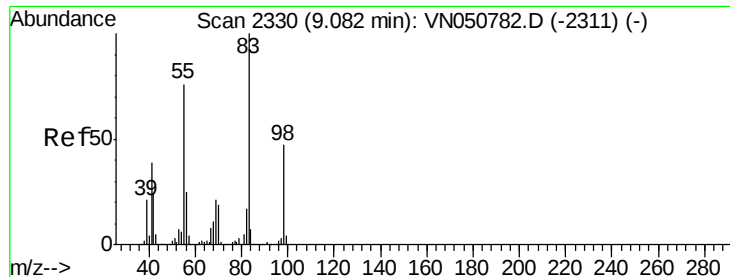
Tot Ion: 43 Resp: 125420
Ion Ratio Lower Upper
43 100
61 13.9 12.0 18.0
70 10.9 8.6 13.0



#38
Carbon Tetrachloride
Concen: 20.31 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN050812.D
Acq: 22 Aug 2018 12:10

Tgt Ion: 117 Resp: 212650
Ion Ratio Lower Upper
117 100
119 95.8 76.3 114.5
121 29.6 24.6 36.8

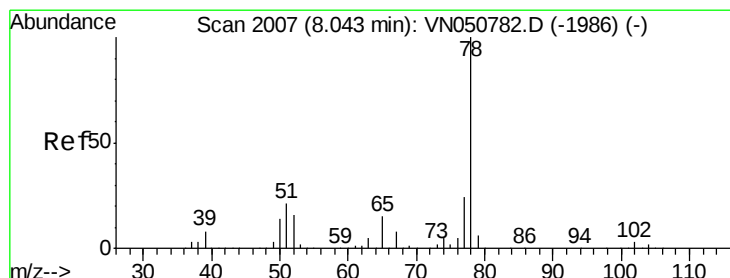
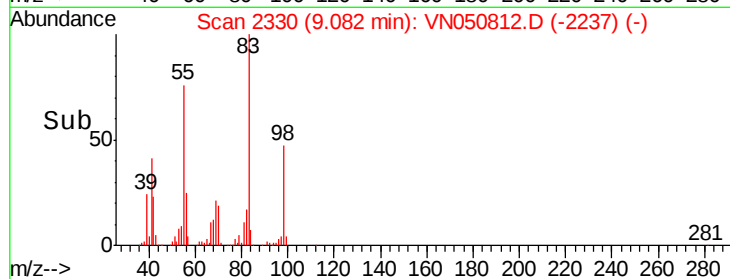
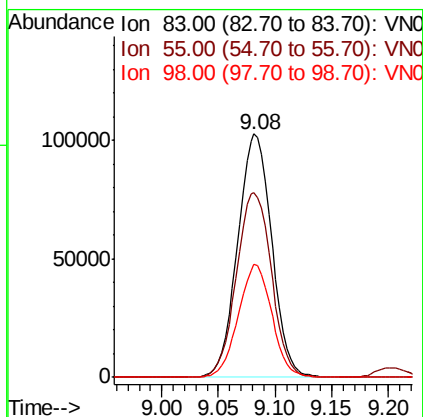
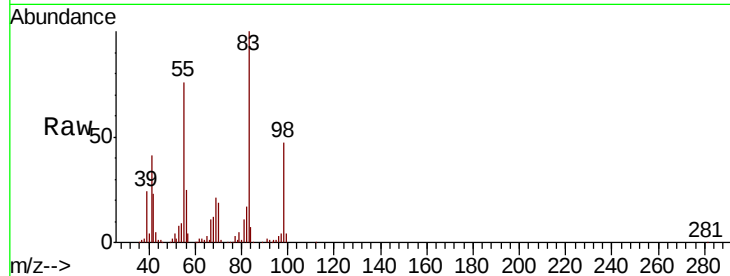




#39
Methvlcvclohexane
Concen: 19.24 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN050812.D
Acq: 22 Aug 2018 12:10

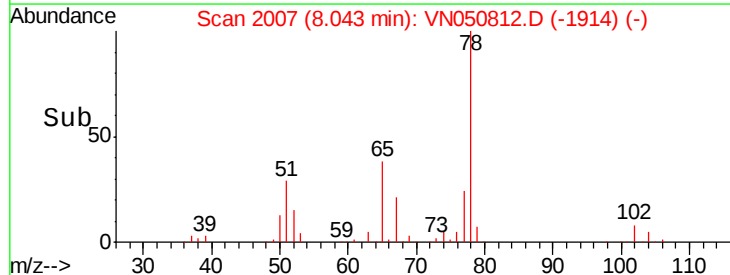
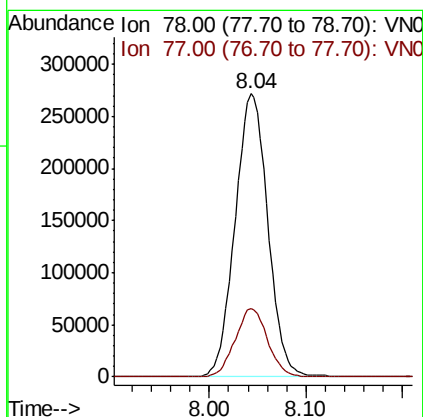
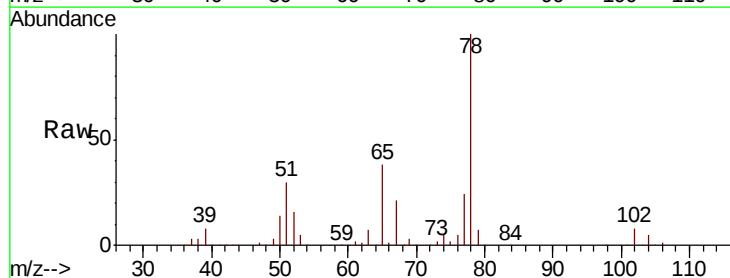
Instrument :
MSVOA_N
ClientSampled :
VN0822MBS01

Tot Ion: 83 Resp: 215627
Ion Ratio Lower Upper
83 100
55 76.1 61.0 91.4
98 46.6 37.5 56.3



#40
Benzene
Concen: 20.49 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. -0.00 min
Lab File: VN050812.D
Acq: 22 Aug 2018 12:10

Tgt Ion: 78 Resp: 639952
Ion Ratio Lower Upper
78 100
77 24.3 19.0 28.4

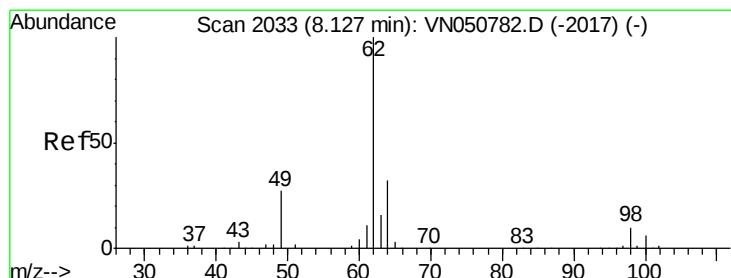
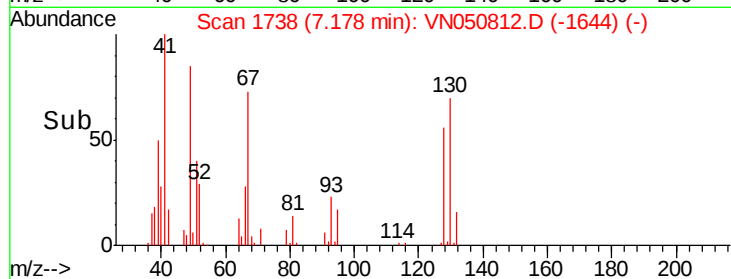
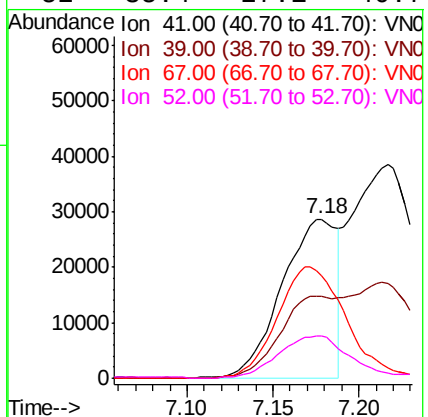
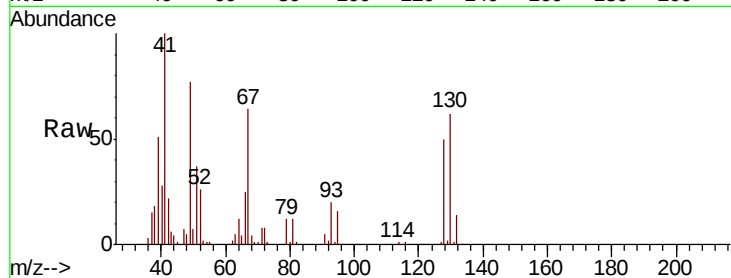




#41
Methacrylonitrile
Concen: 19.83 ug/l
RT: 7.18 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN050812.D
Acq: 22 Aug 2018 12:10

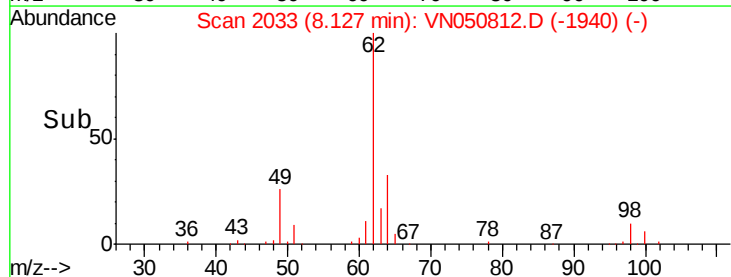
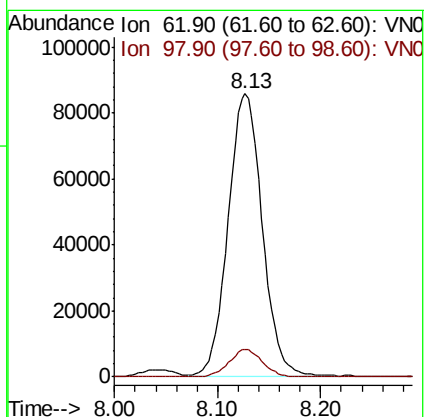
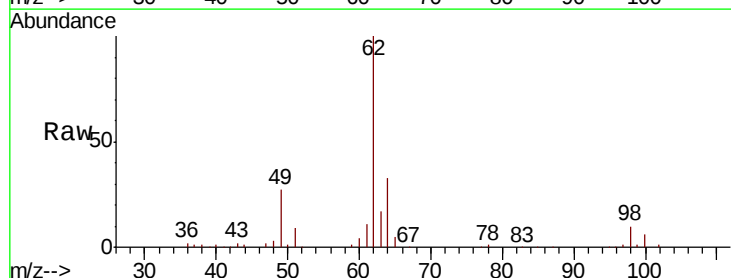
Instrument :
MSVOA_N
ClientSampleId :
VN0822MBS01

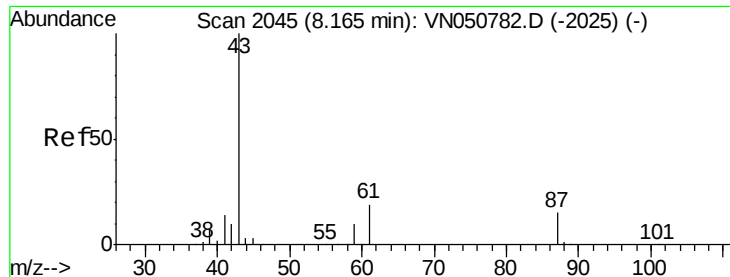
Tot Ion:	41	Resp:	63850
Ion	Ratio	Lower	Upper
41	100		
39	48.6	45.4	68.0
67	86.9	70.6	106.0
52	35.4	27.1	40.7



#42
1,2-Dichloroethane
Concen: 21.07 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. -0.00 min
Lab File: VN050812.D
Acq: 22 Aug 2018 12:10

Tgt Ion:	62	Resp:	196734
Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	19.6





#43

Isopropyl Acetate

Concen: 22.00 ug/l

RT: 8.17 min Scan# 2045

Delta R.T. 0.00 min

Lab File: VN050812.D

Acq: 22 Aug 2018 12:10

Instrument :

MSVOA_N

ClientSampleId :

VN0822MBS01

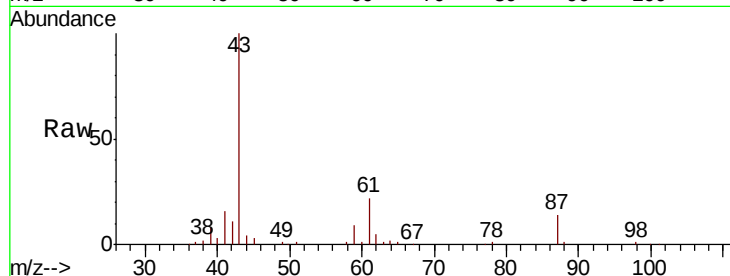
Tot Ion: 43 Resp: 224990

Ion Ratio Lower Upper

43 100

61 20.3 17.5 26.3

87 13.5 11.3 16.9

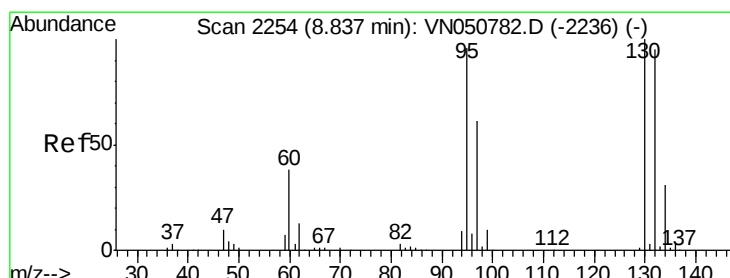
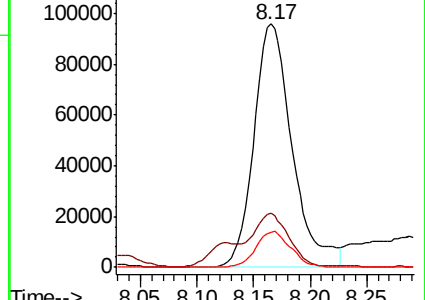
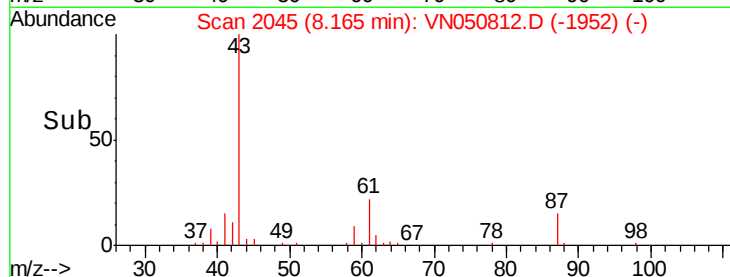


Abundance Ion 43.00 (42.70 to 43.70): VN050782.D (-2025) (-)

Ion 61.00 (60.70 to 61.70): VN050782.D (-2025) (-)

Ion 87.00 (86.70 to 87.70): VN050782.D (-2025) (-)

Time-->



#44

Trichloroethene

Concen: 20.11 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. -0.00 min

Lab File: VN050812.D

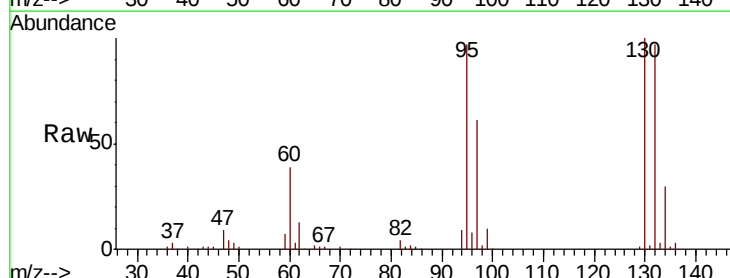
Acq: 22 Aug 2018 12:10

Tgt Ion:130 Resp: 165607

Ion Ratio Lower Upper

130 100

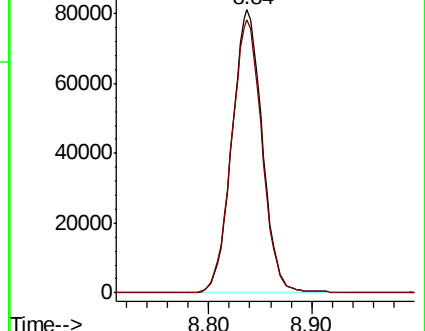
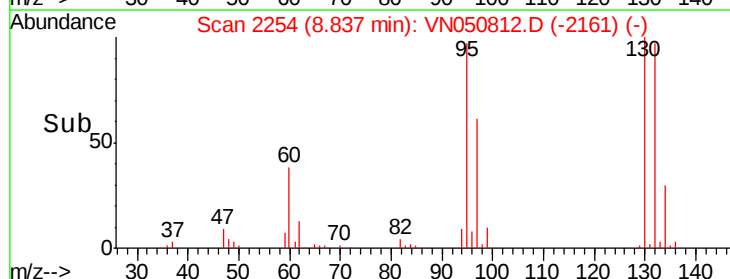
95 96.6 0.0 193.0

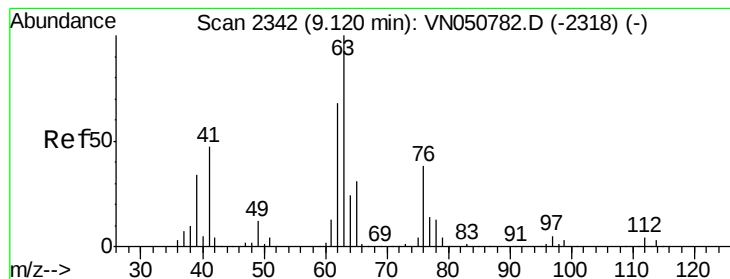


Abundance Ion 129.80 (129.50 to 130.50): VN050782.D (-2236) (-)

Ion 94.90 (94.60 to 95.60): VN050782.D (-2236) (-)

Time-->





#45

1,2-Dichloropropane

Concen: 20.34 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. -0.00 min

Lab File: VN050812.D

Acq: 22 Aug 2018 12:10

Instrument :

MSVOA_N

ClientSampleId :

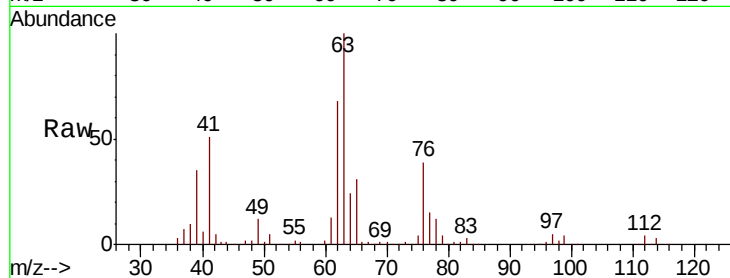
VN0822MBS01

Tot Ion: 63 Resp: 166960

Ion Ratio Lower Upper

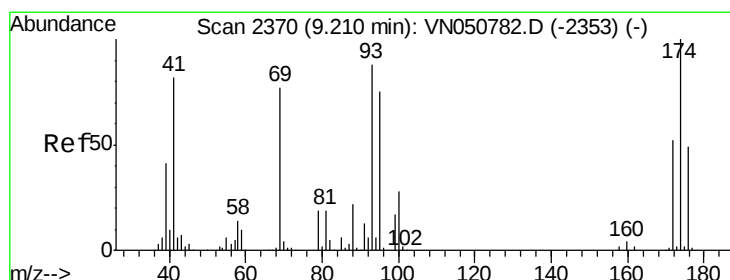
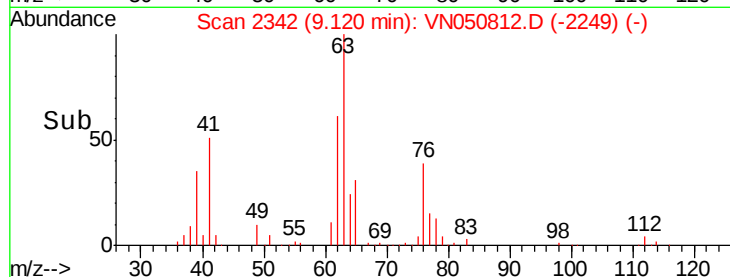
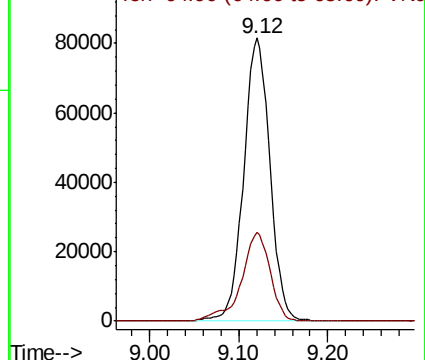
63 100

65 31.3 25.0 37.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 20.83 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VN050812.D

Acq: 22 Aug 2018 12:10

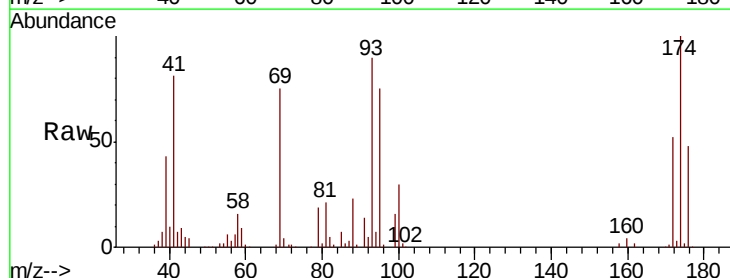
Tgt Ion: 93 Resp: 100441

Ion Ratio Lower Upper

93 100

95 83.4 66.7 100.1

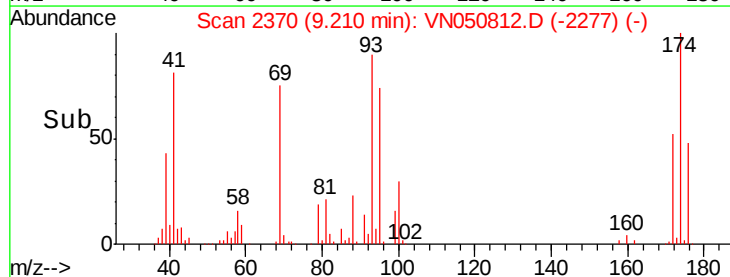
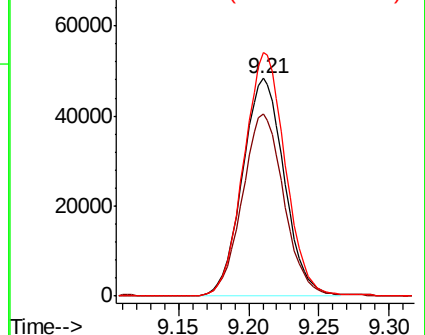
174 110.8 89.8 134.6

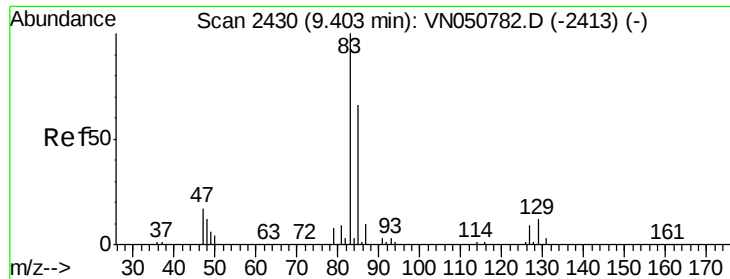


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 20.59 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. -0.00 min

Lab File: VN050812.D

Acq: 22 Aug 2018 12:10

Instrument :

MSVOA_N

ClientSampled :

VN0822MBS01

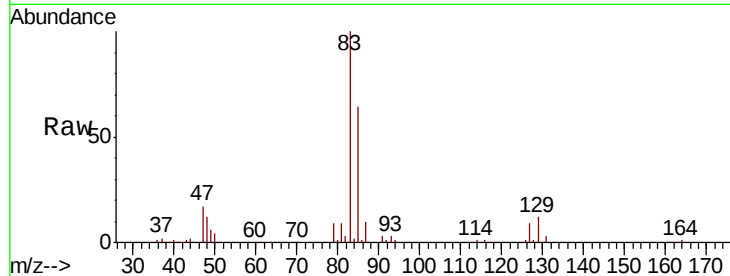
Tot Ion: 83 Resp: 207985

Ion Ratio Lower Upper

83 100

85 64.1 52.6 78.8

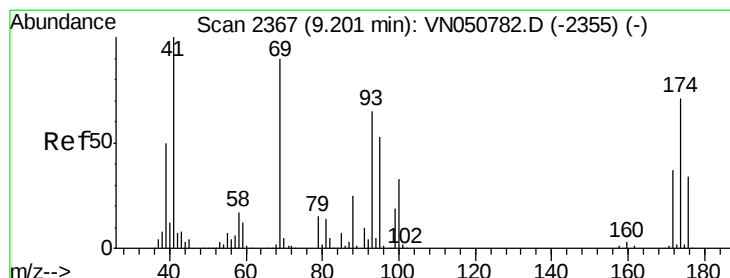
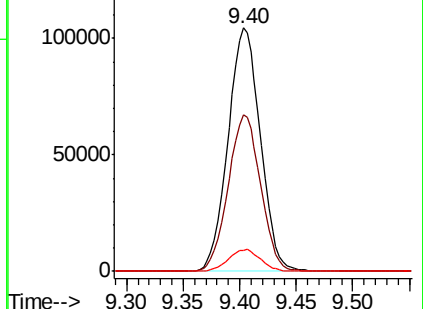
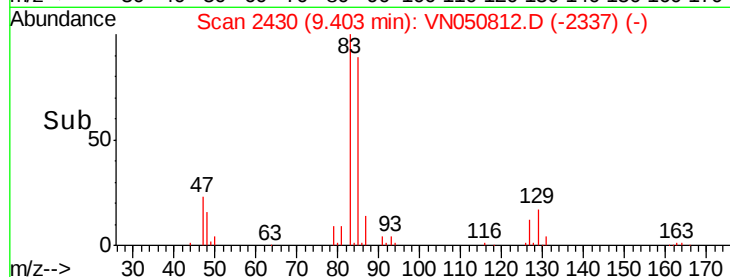
127 8.8 7.2 10.8



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): VN0



#48

Methyl methacrylate

Concen: 20.50 ug/l

RT: 9.20 min Scan# 2367

Delta R.T. 0.00 min

Lab File: VN050812.D

Acq: 22 Aug 2018 12:10

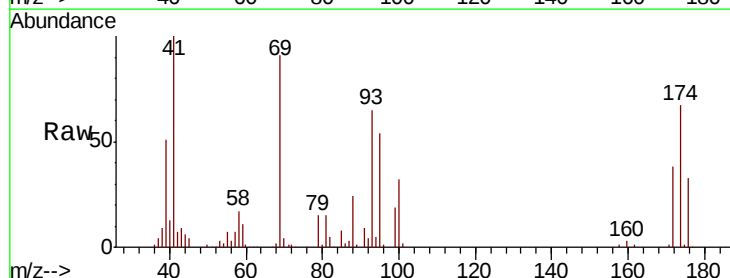
Tgt Ion: 41 Resp: 106892

Ion Ratio Lower Upper

41 100

69 94.2 74.7 112.1

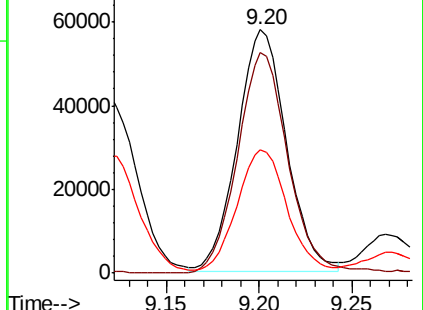
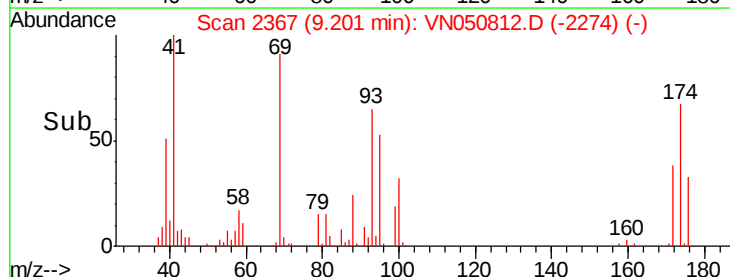
39 51.6 42.2 63.2



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#49

1,4-Dioxane

Concen: 418.77 ug/l

RT: 9.20 min Scan# 2367

Delta R.T. -0.00 min

Lab File: VN050812.D

Acq: 22 Aug 2018 12:10

Instrument :

MSVOA_N

ClientSampleId :

VN0822MBS01

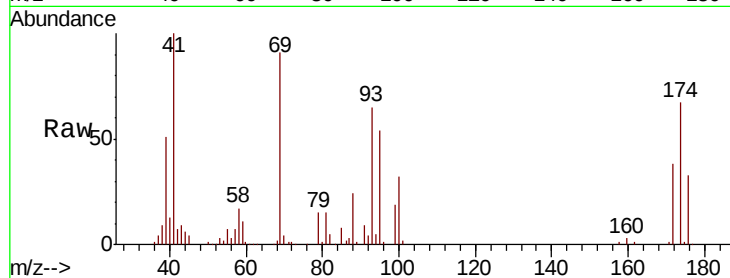
Tot Ion: 88 Resp: 29761

Ion Ratio Lower Upper

88 100

43 32.8 25.9 38.9

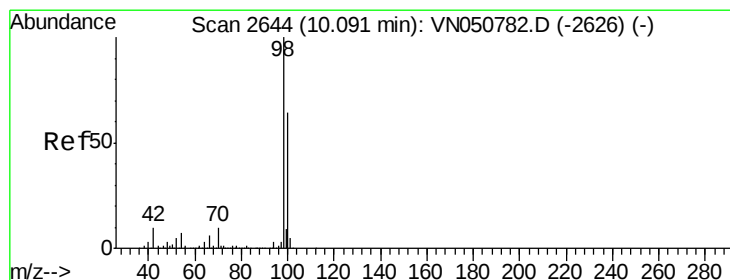
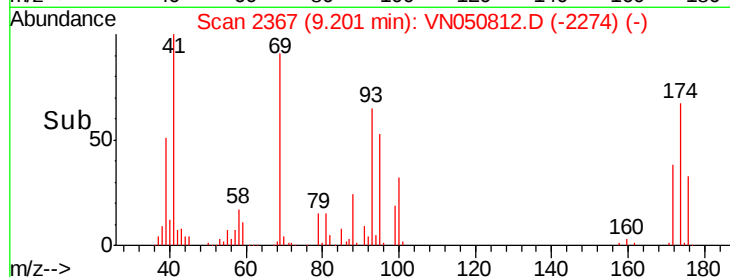
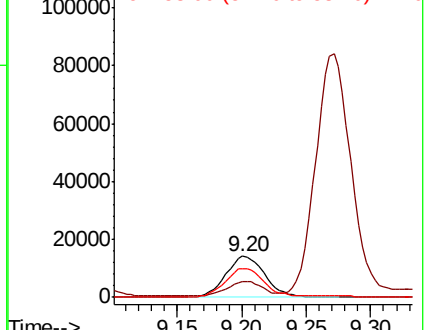
58 70.0 55.0 82.4



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



#50

Toluene-d8

Concen: 50.18 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VN050812.D

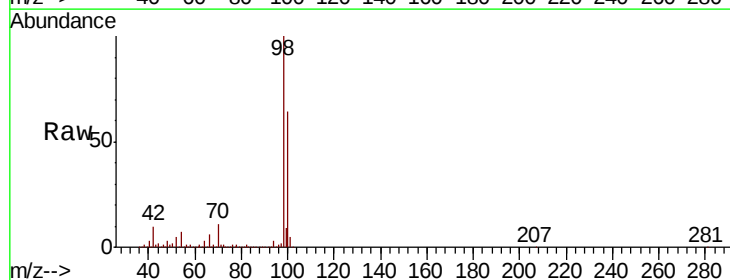
Acq: 22 Aug 2018 12:10

Tgt Ion: 98 Resp: 1309910

Ion Ratio Lower Upper

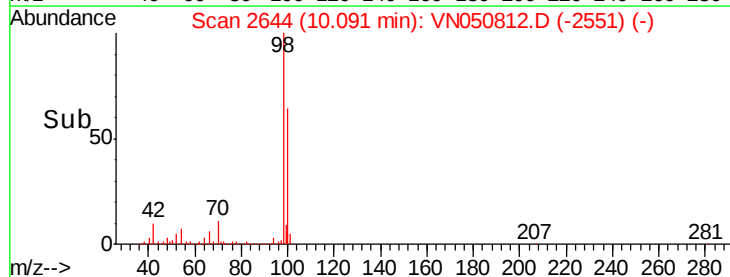
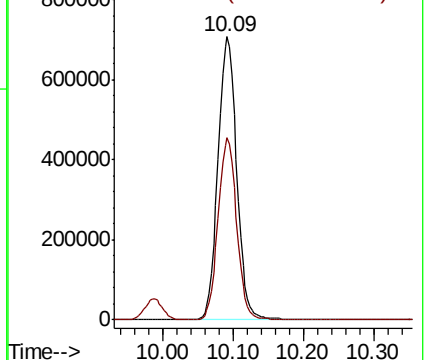
98 100

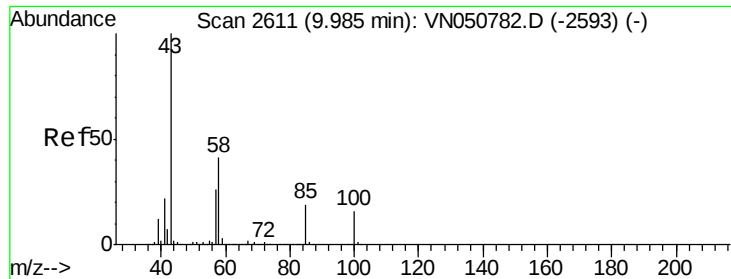
100 63.8 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 100.43 ug/l

RT: 9.99 min Scan# 2611

Delta R.T. -0.00 min

Lab File: VN050812.D

Acq: 22 Aug 2018 12:10

Instrument :

MSVOA_N

ClientSampleId :

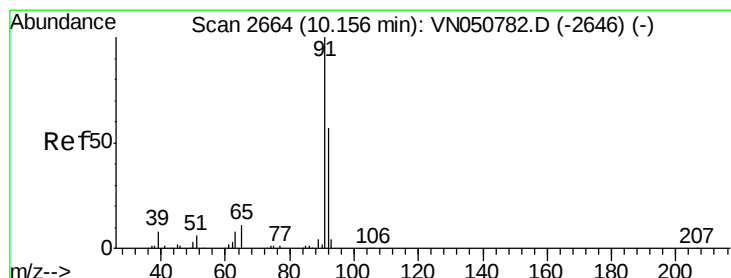
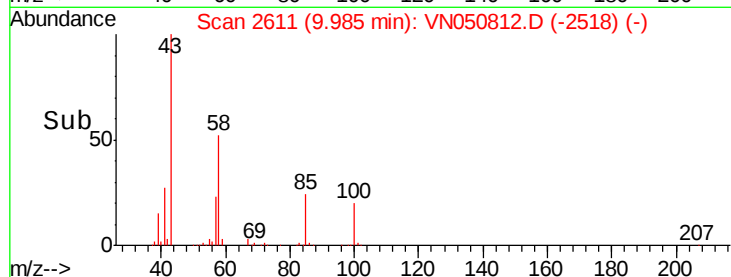
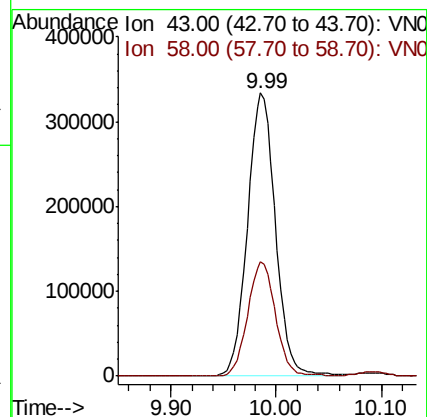
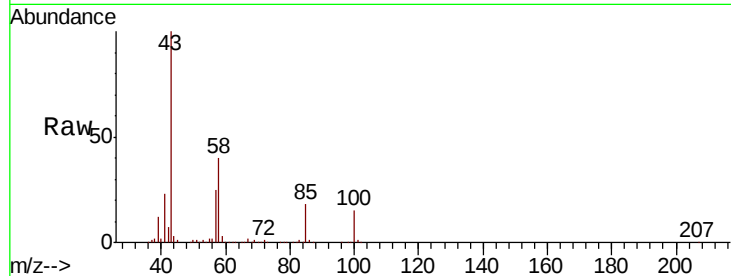
VN0822MBS01

Tot Ion: 43 Resp: 613023

Ion Ratio Lower Upper

43 100

58 40.4 32.4 48.6



#52

Toluene

Concen: 21.22 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. -0.00 min

Lab File: VN050812.D

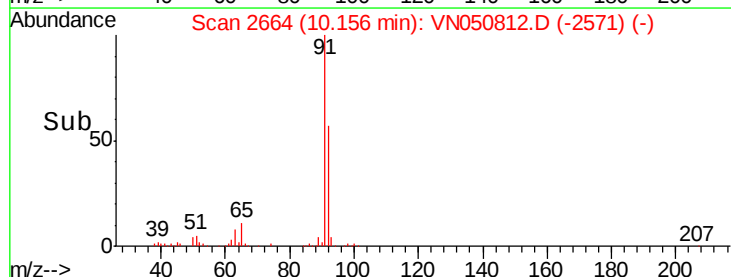
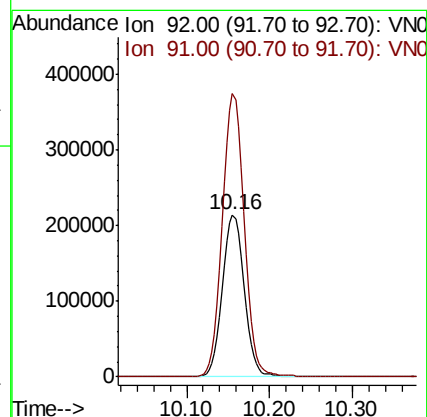
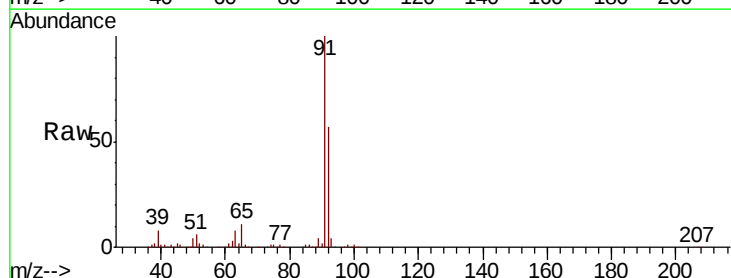
Acq: 22 Aug 2018 12:10

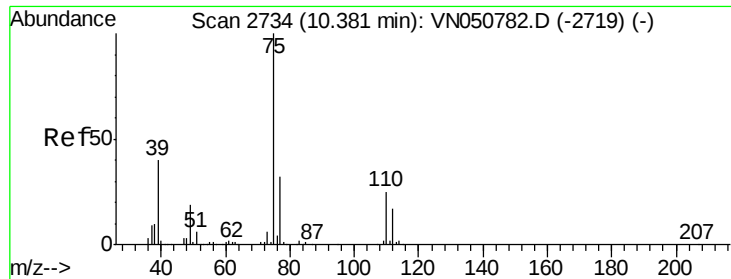
Tgt Ion: 92 Resp: 392540

Ion Ratio Lower Upper

92 100

91 174.6 140.6 211.0

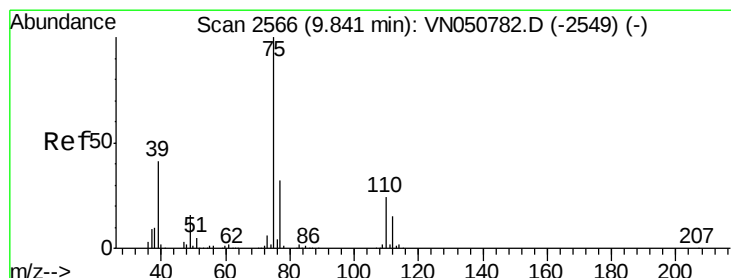
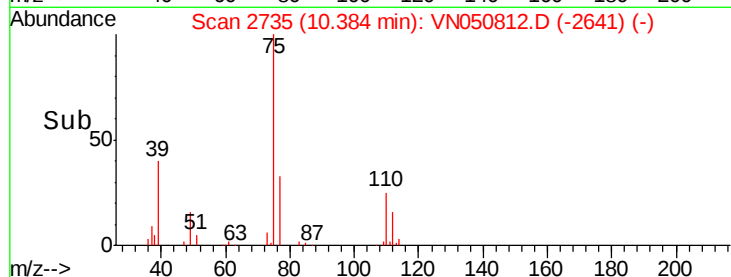
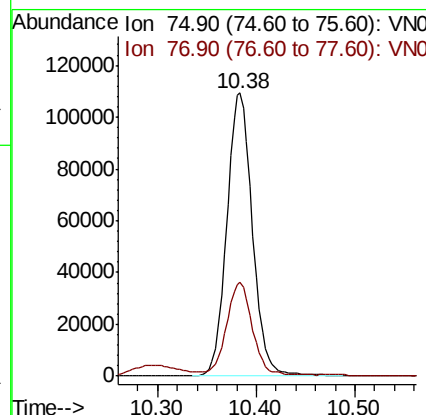
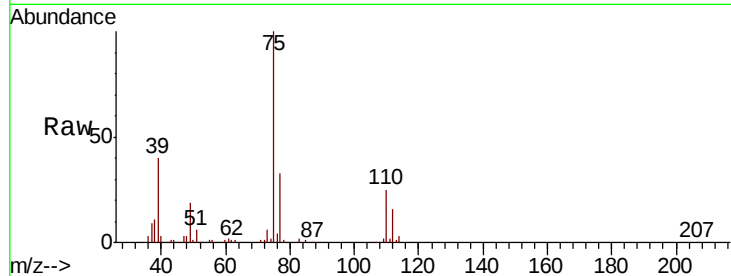




#53
t-1,3-Dichloropropene
Concen: 19.81 ug/l
RT: 10.38 min Scan# 2735
Delta R.T. 0.00 min
Lab File: VN050812.D
Acq: 22 Aug 2018 12:10

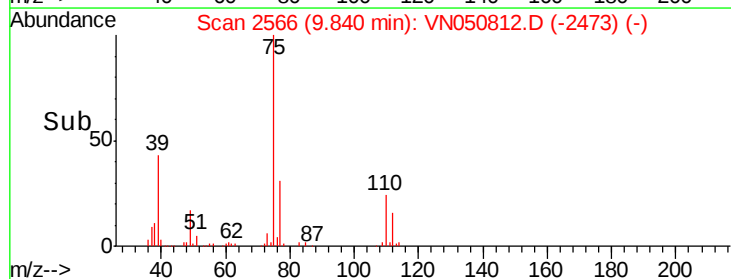
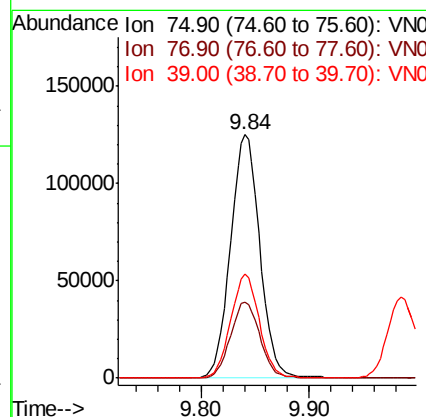
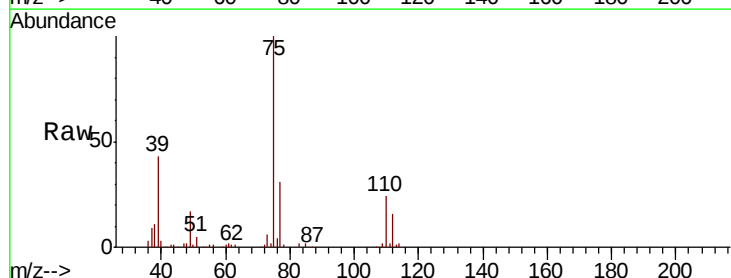
Instrument :
MSVOA_N
ClientSampled :
VN0822MBS01

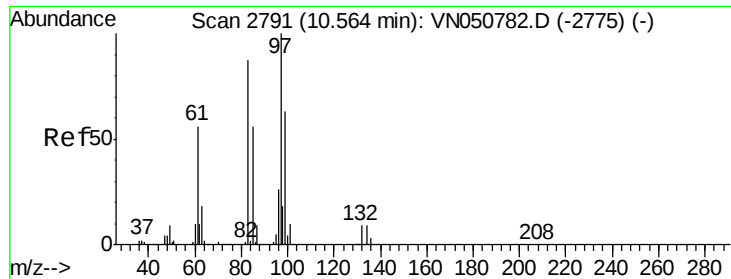
Tot Ion: 75 Resp: 199179
Ion Ratio Lower Upper
75 100
77 32.6 25.7 38.5



#54
cis-1,3-Dichloropropene
Concen: 20.57 ug/l
RT: 9.84 min Scan# 2566
Delta R.T. -0.00 min
Lab File: VN050812.D
Acq: 22 Aug 2018 12:10

Tgt Ion: 75 Resp: 236829
Ion Ratio Lower Upper
75 100
77 31.3 25.4 38.2
39 42.4 33.0 49.4





#55

1,1,2-Trichloroethane

Concen: 20.83 ug/l

RT: 10.56 min Scan# 2791

Delta R.T. -0.00 min

Lab File: VN050812.D

Acq: 22 Aug 2018 12:10

Instrument :

MSVOA_N

ClientSampleId :

VN0822MBS01

Tot Ion: 97 Resp: 143055

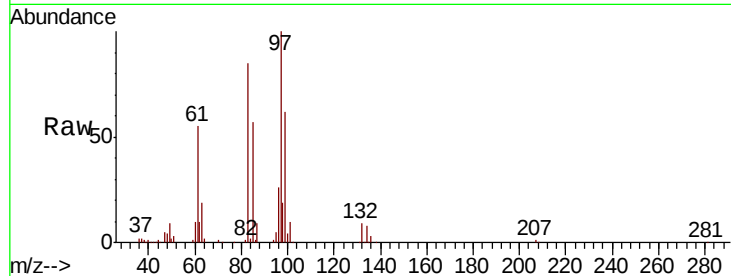
Ion Ratio Lower Upper

97 100

83 85.3 69.7 104.5

85 56.5 44.5 66.7

99 61.6 50.7 76.1



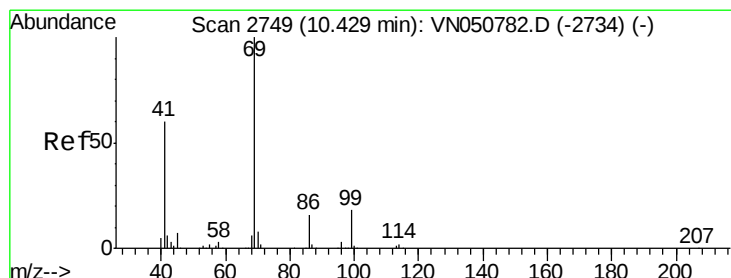
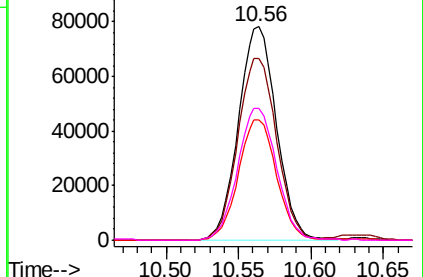
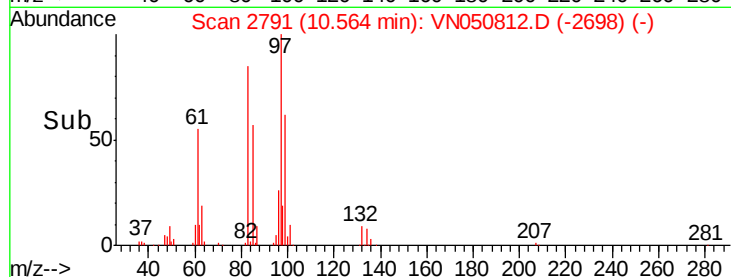
Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Time-->



#56

Ethyl methacrylate

Concen: 19.36 ug/l

RT: 10.43 min Scan# 2749

Delta R.T. 0.00 min

Lab File: VN050812.D

Acq: 22 Aug 2018 12:10

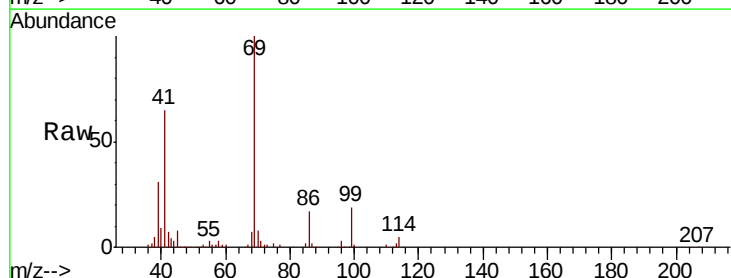
Tgt Ion: 69 Resp: 159400

Ion Ratio Lower Upper

69 100

41 61.7 48.3 72.5

39 30.7 24.0 36.0

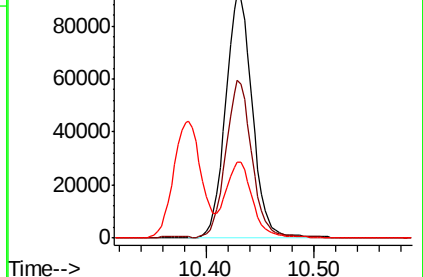
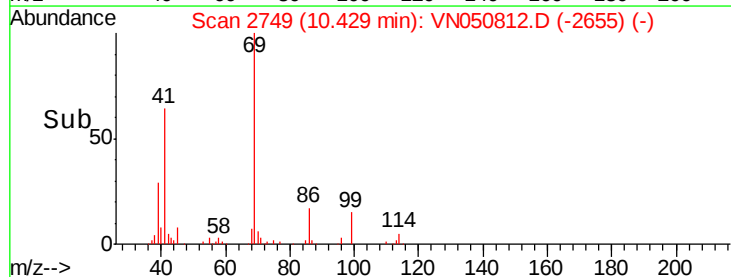


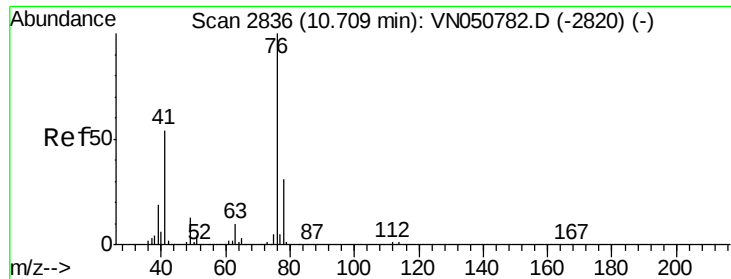
Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Time-->





#57

1,3-Dichloropropane

Concen: 20.79 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. -0.00 min

Lab File: VN050812.D

Acq: 22 Aug 2018 12:10

Instrument :

MSVOA_N

ClientSampled :

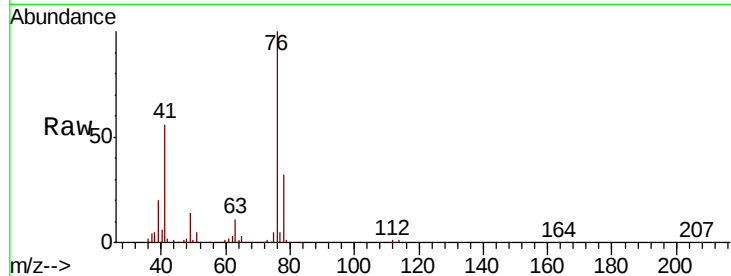
VN0822MBS01

Tot Ion: 76 Resp: 235631

Ion Ratio Lower Upper

76 100

78 32.0 25.5 38.3



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

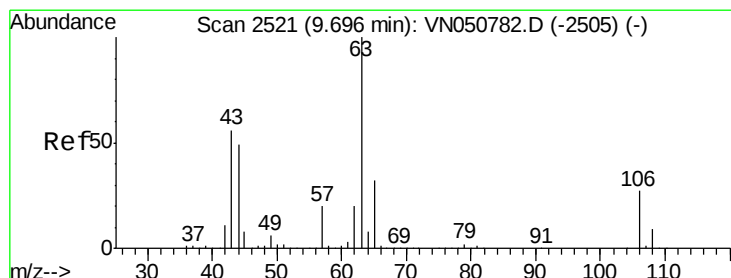
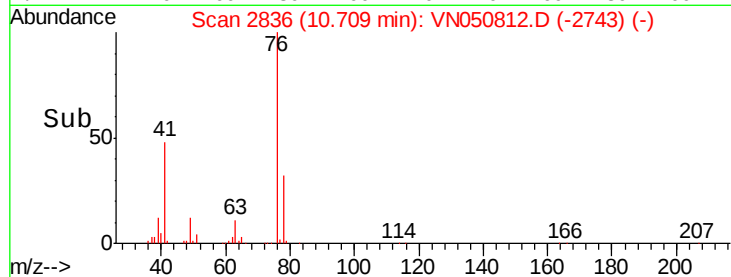
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 96.53 ug/l

RT: 9.70 min Scan# 2521

Delta R.T. 0.00 min

Lab File: VN050812.D

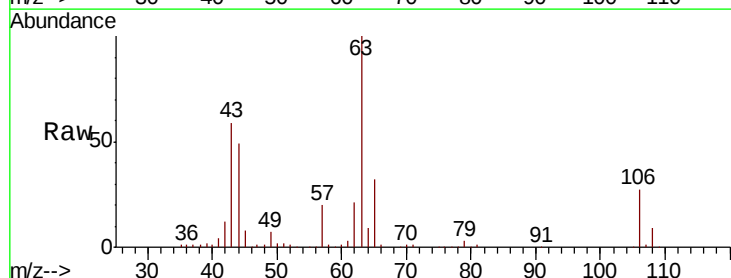
Acq: 22 Aug 2018 12:10

Tgt Ion: 63 Resp: 345499

Ion Ratio Lower Upper

63 100

106 26.9 21.9 32.9



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.70

200000

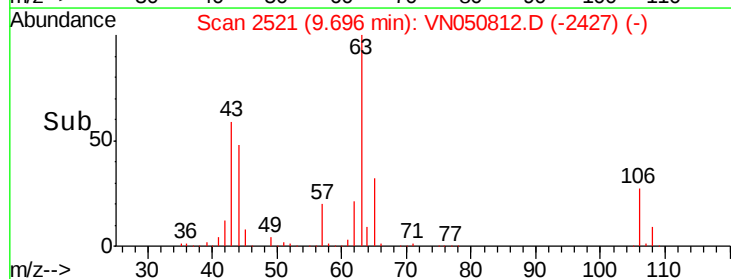
150000

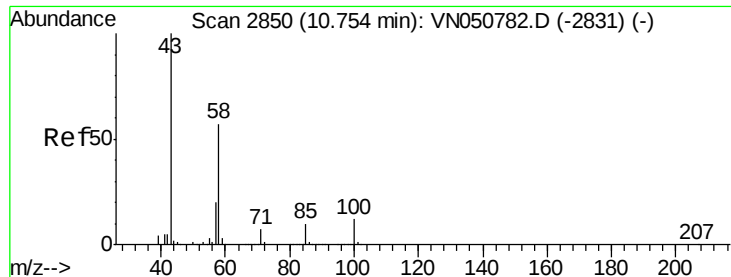
100000

50000

0

Time-->

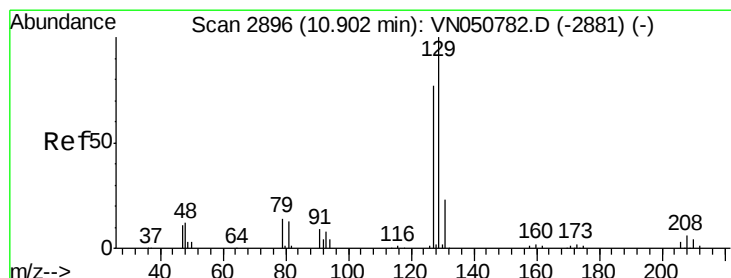
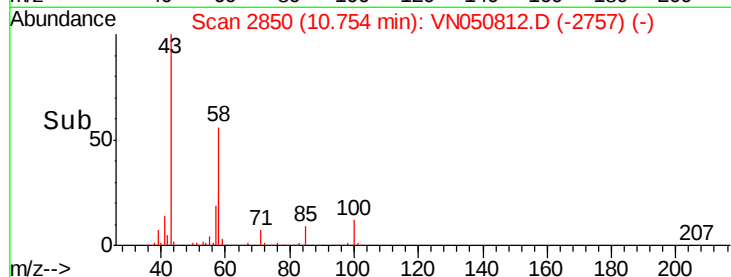
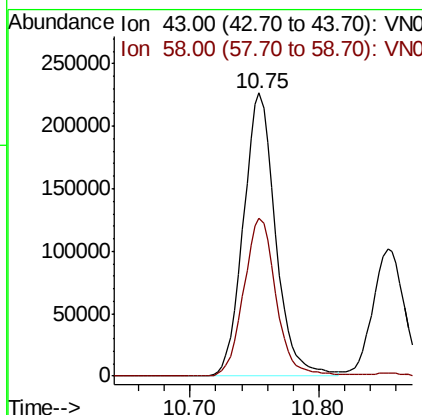
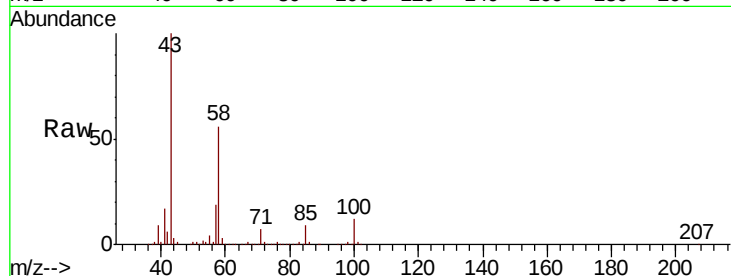




#59
2-Hexanone
Concen: 96.44 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. -0.00 min
Lab File: VN050812.D
Acq: 22 Aug 2018 12:10

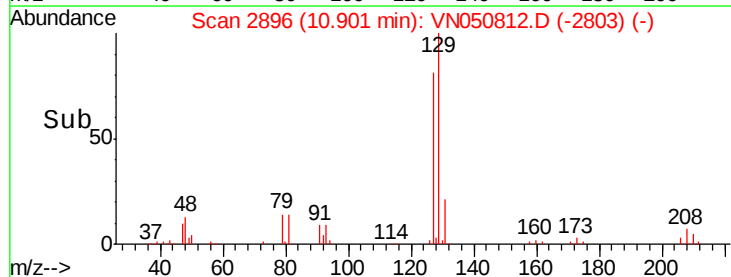
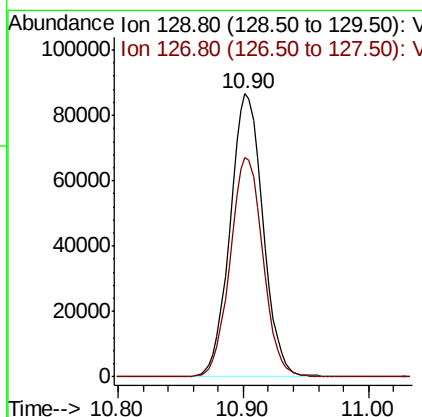
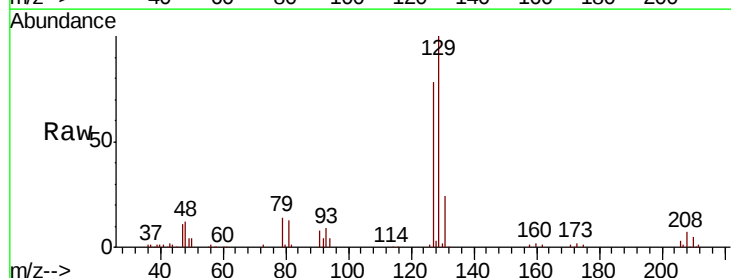
Instrument :
MSVOA_N
ClientSampled :
VN0822MBS01

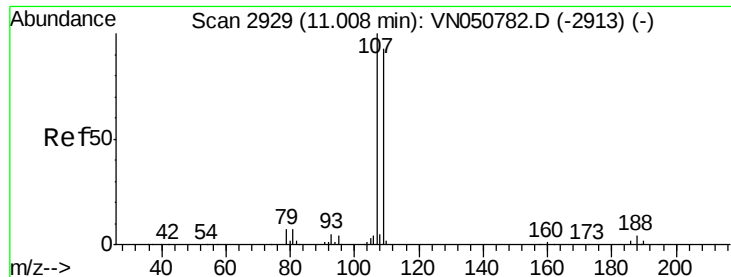
Tot Ion: 43 Resp: 391912
Ion Ratio Lower Upper
43 100
58 56.6 28.3 85.0



#60
Dibromochloromethane
Concen: 20.54 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VN050812.D
Acq: 22 Aug 2018 12:10

Tgt Ion: 129 Resp: 157910
Ion Ratio Lower Upper
129 100
127 77.1 38.3 114.9





#61

1,2-Dibromoethane

Concen: 20.67 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. -0.00 min

Lab File: VN050812.D

Acq: 22 Aug 2018 12:10

Instrument :

MSVOA_N

ClientSampleId :

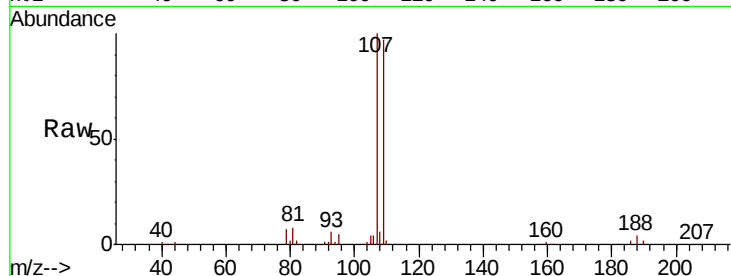
VN0822MBS01

Tot Ion:107 Resp: 137260

Ion Ratio Lower Upper

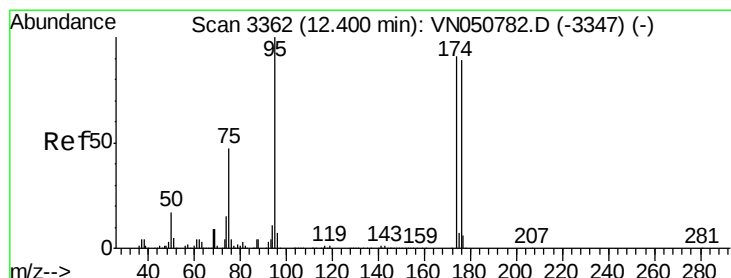
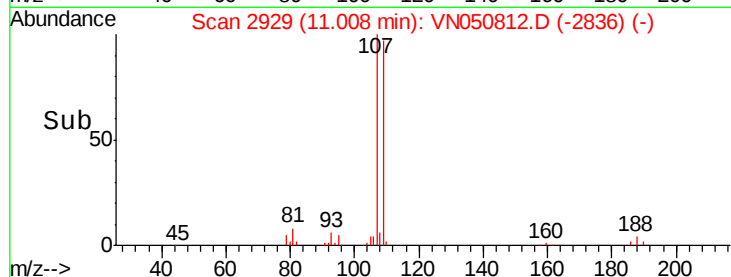
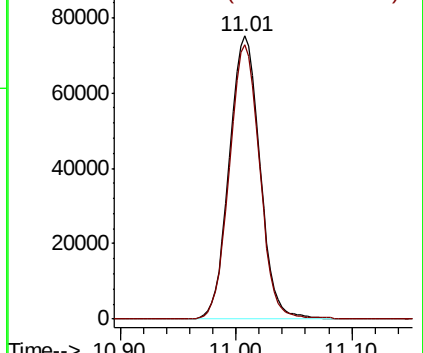
107 100

109 95.7 75.4 113.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 47.97 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050812.D

Acq: 22 Aug 2018 12:10

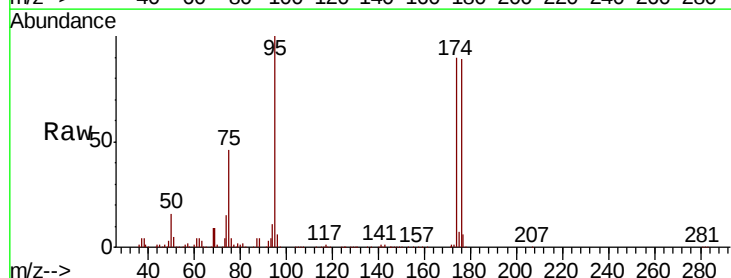
Tgt Ion: 95 Resp: 416123

Ion Ratio Lower Upper

95 100

174 91.0 0.0 183.0

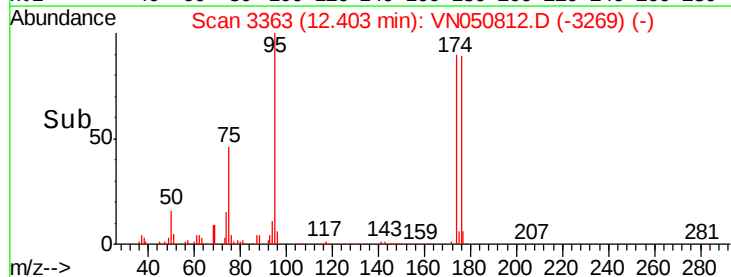
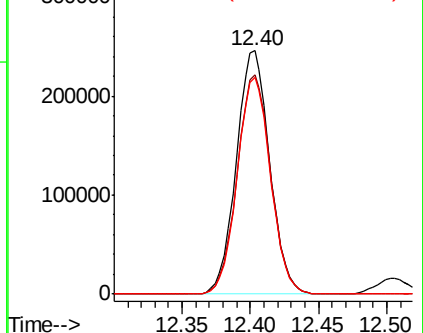
176 89.0 0.0 178.8

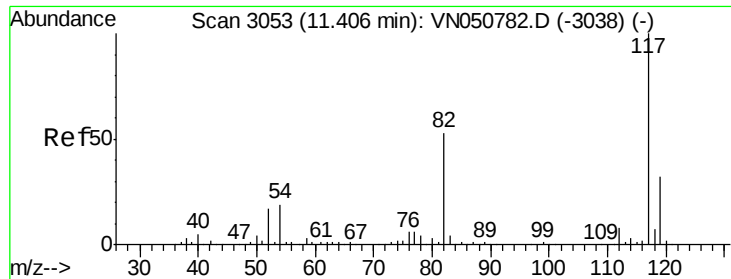


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

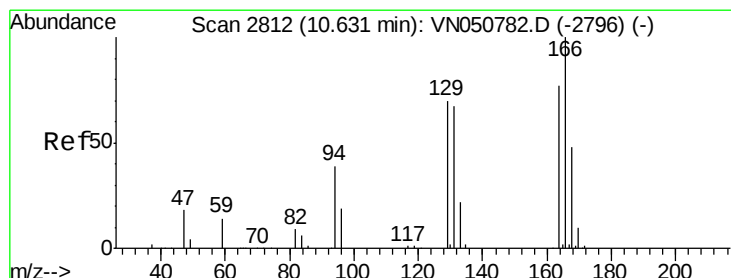
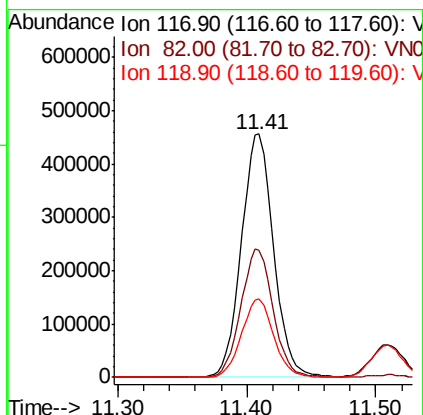
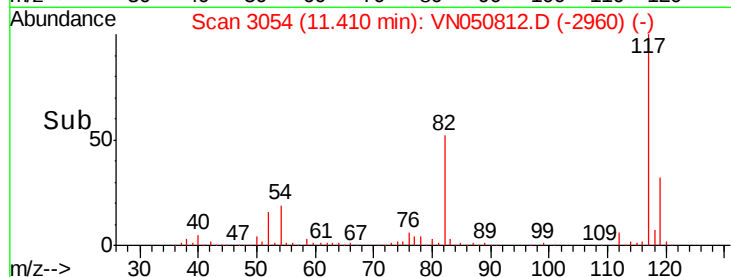
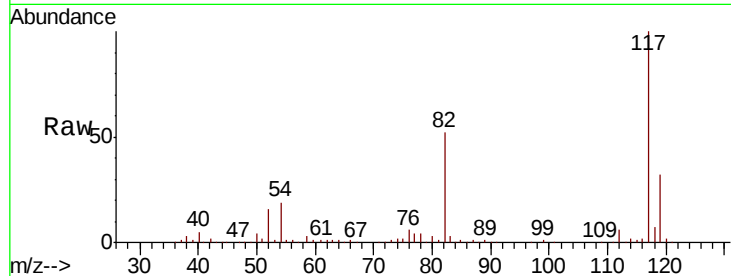




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050812.D
Acq: 22 Aug 2018 12:10

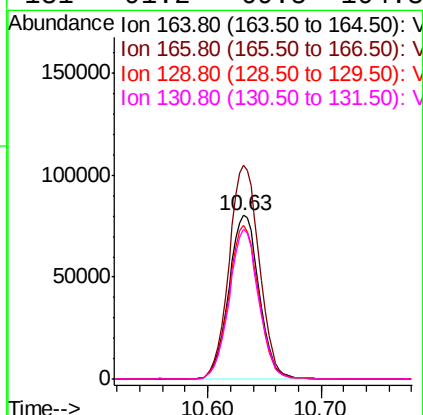
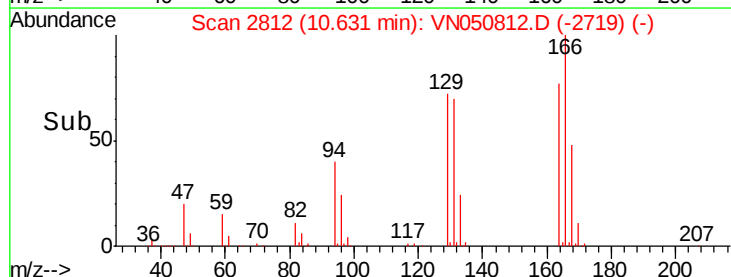
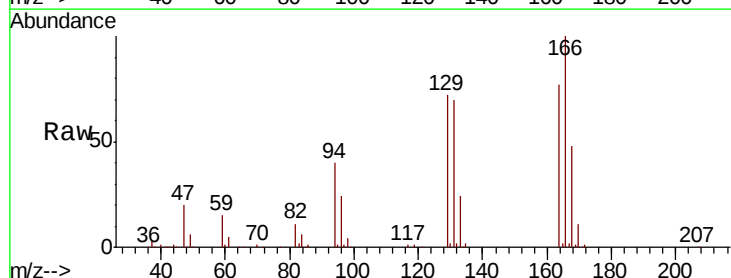
Instrument :
MSVOA_N
ClientSampleId :
VN0822MBS01

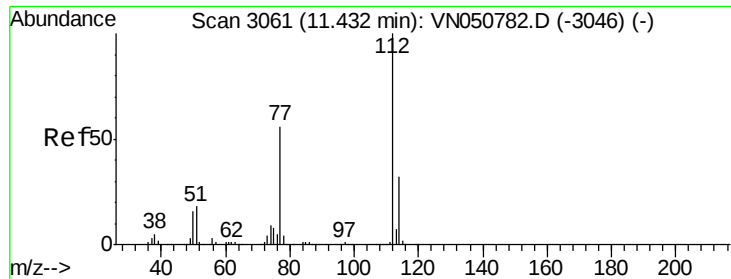
Tot Ion:117 Resp: 791897
Ion Ratio Lower Upper
117 100
82 52.3 42.6 64.0
119 32.1 25.8 38.6



#64
Tetrachloroethene
Concen: 19.94 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. -0.00 min
Lab File: VN050812.D
Acq: 22 Aug 2018 12:10

Tgt Ion:164 Resp: 149955
Ion Ratio Lower Upper
164 100
166 130.4 103.5 155.3
129 94.0 72.7 109.1
131 91.2 69.5 104.3





#65

Chlorobenzene

Concen: 20.13 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN050812.D

Acq: 22 Aug 2018 12:10

Instrument :

MSVOA_N

ClientSampled :

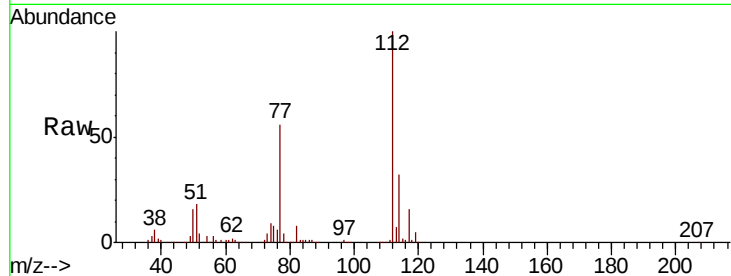
VN0822MBS01

Tot Ion:112 Resp: 416620

Ion Ratio Lower Upper

112 100

114 32.1 25.6 38.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.44

250000

200000

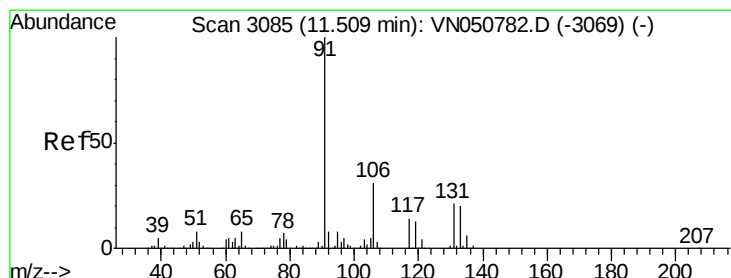
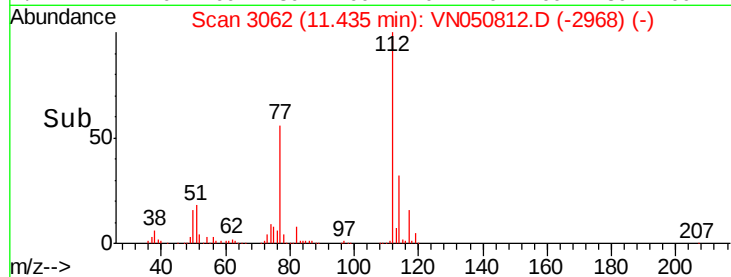
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 20.63 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. -0.00 min

Lab File: VN050812.D

Acq: 22 Aug 2018 12:10

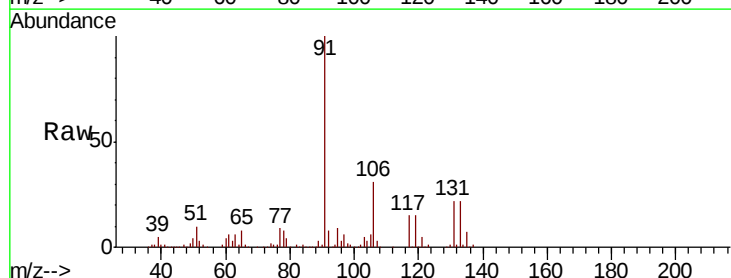
Tgt Ion:131 Resp: 156215

Ion Ratio Lower Upper

131 100

133 96.1 47.4 142.3

119 66.4 32.8 98.4



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

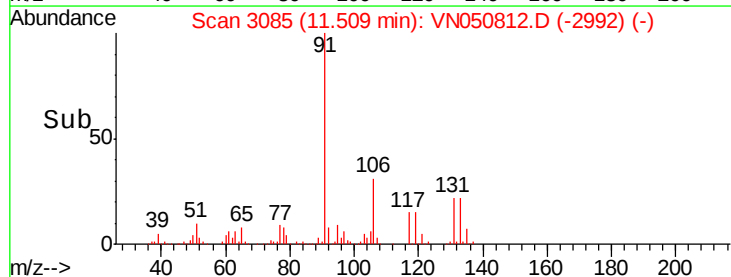
150000

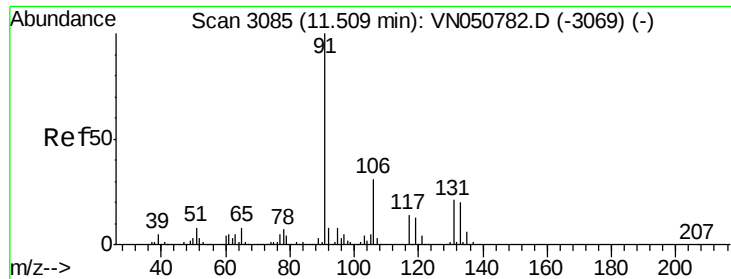
100000

50000

0

Time-->

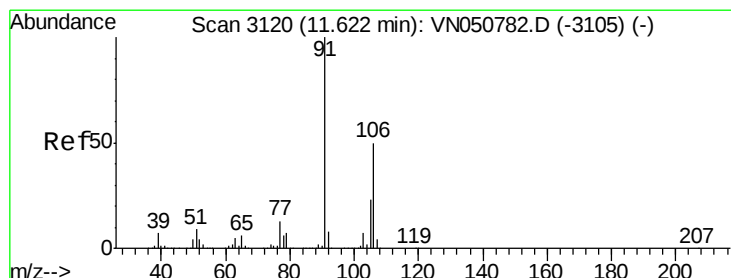
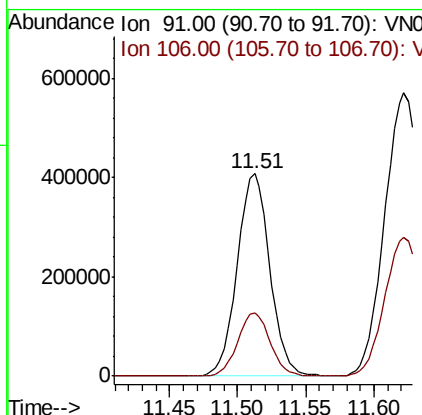
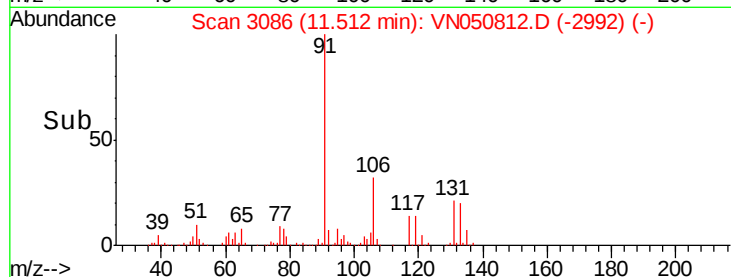
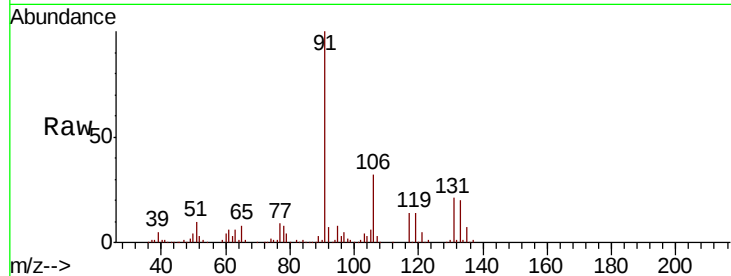




#67
Ethyl Benzene
Concen: 20.21 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN050812.D
Acq: 22 Aug 2018 12:10

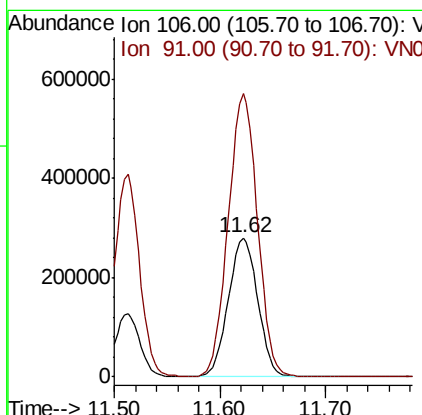
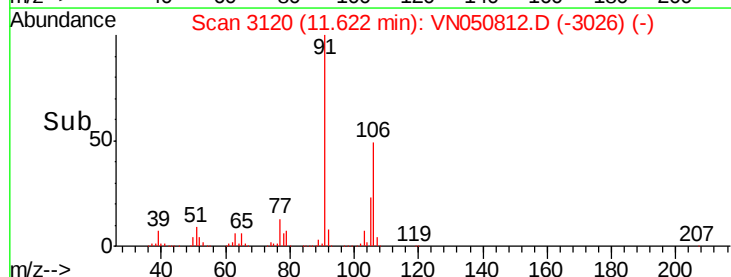
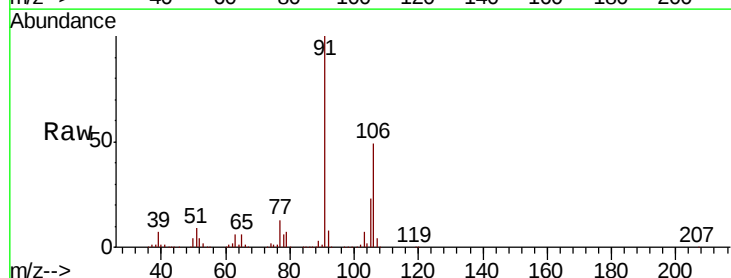
Instrument :
MSVOA_N
ClientSampled :
VN0822MBS01

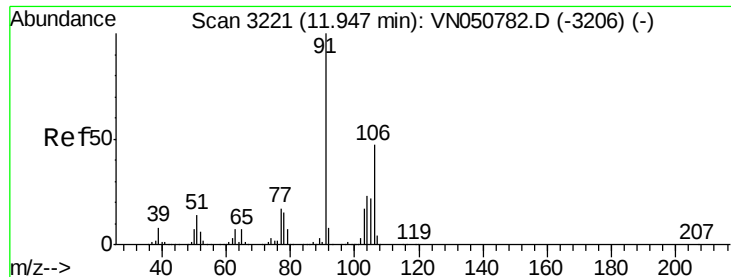
Tot Ion: 91 Resp: 679903
Ion Ratio Lower Upper
91 100
106 31.5 25.0 37.4



#68
m/p-Xylenes
Concen: 42.28 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. 0.00 min
Lab File: VN050812.D
Acq: 22 Aug 2018 12:10

Tgt Ion: 106 Resp: 539991
Ion Ratio Lower Upper
106 100
91 202.5 161.0 241.6

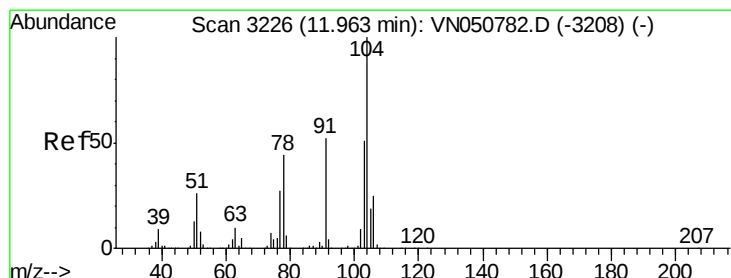
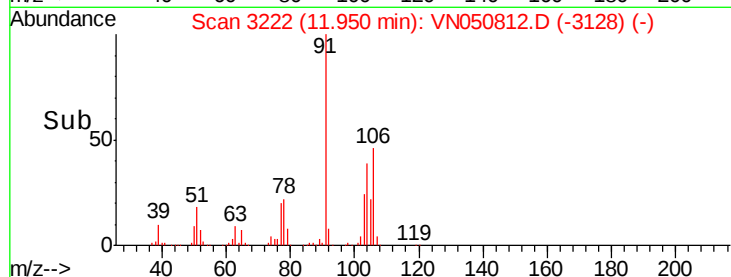
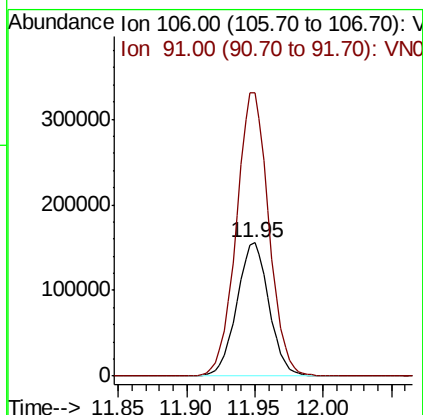
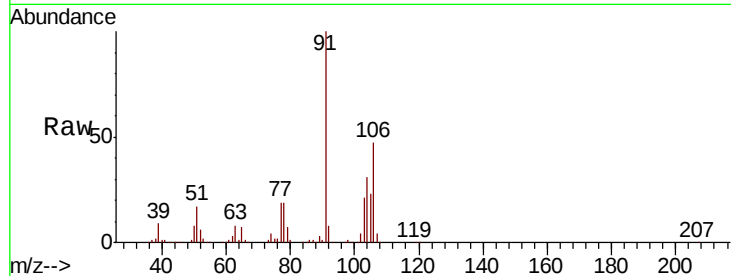




#69
o-Xylene
Concen: 20.80 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN050812.D
Acq: 22 Aug 2018 12:10

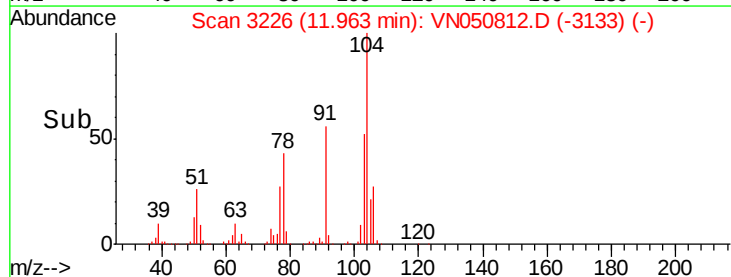
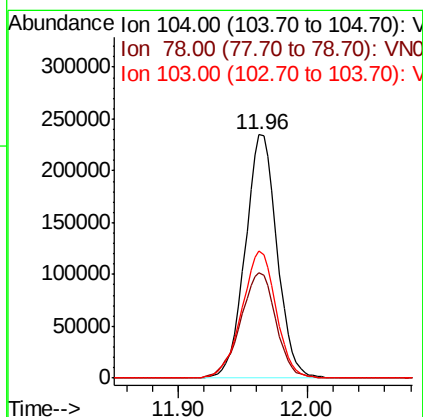
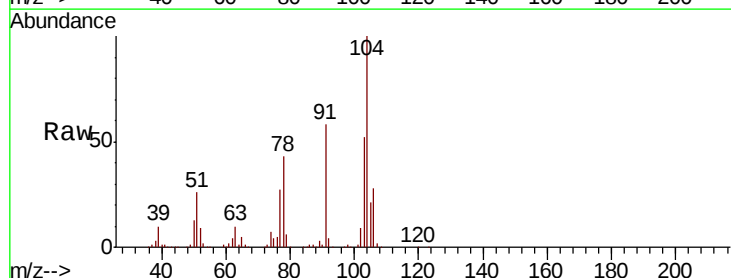
Instrument :
MSVOA_N
ClientSampleId :
VN0822MBS01

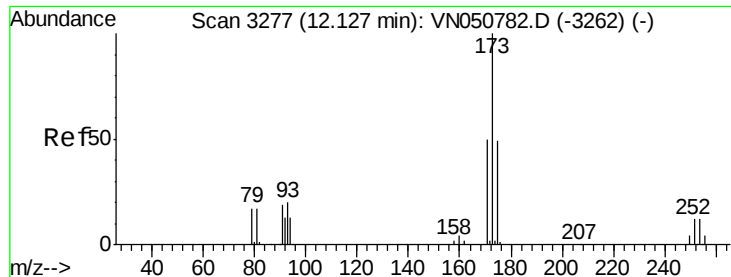
Tot Ion:106 Resp: 255373
Ion Ratio Lower Upper
106 100
91 213.9 106.5 319.5



#70
Styrene
Concen: 19.43 ug/l
RT: 11.96 min Scan# 3226
Delta R.T. 0.00 min
Lab File: VN050812.D
Acq: 22 Aug 2018 12:10

Tgt Ion:104 Resp: 403234
Ion Ratio Lower Upper
104 100
78 48.3 38.2 57.4
103 56.2 44.4 66.6





#71

Bromoform

Concen: 20.63 ug/l

RT: 12.13 min Scan# 3277

Delta R.T. -0.00 min

Lab File: VN050812.D

Acq: 22 Aug 2018 12:10

Instrument :

MSVOA_N

ClientSampleId :

VN0822MBS01

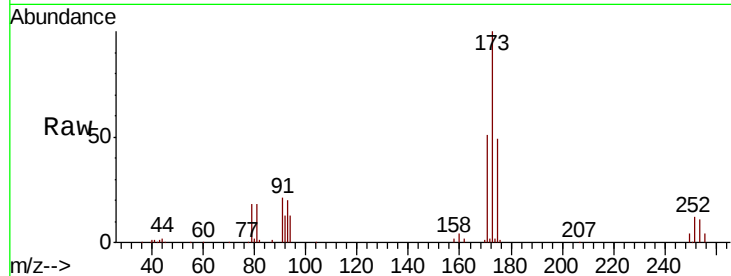
Tot Ion:173 Resp: 107418

Ion Ratio Lower Upper

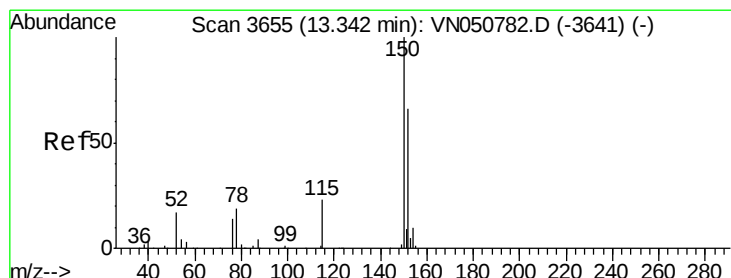
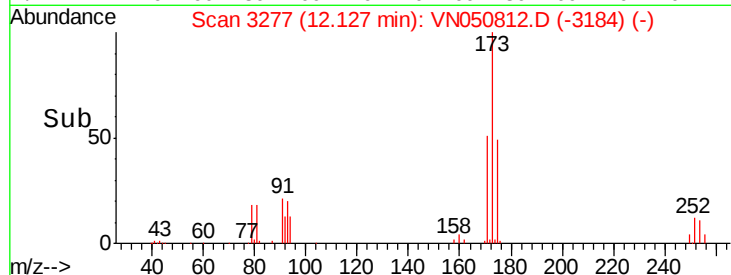
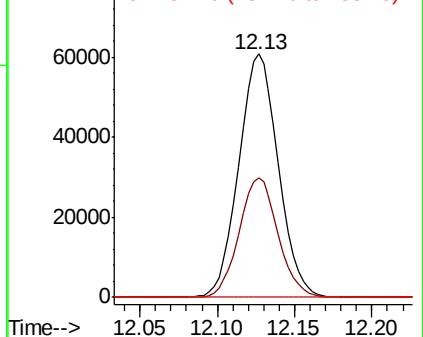
173 100

175 48.4 24.4 73.4

254 0.1 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN050812.D

Acq: 22 Aug 2018 12:10

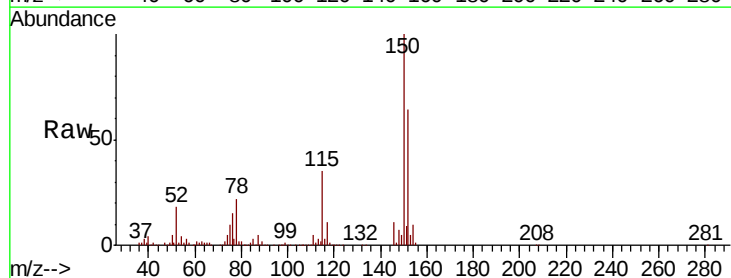
Tgt Ion:152 Resp: 393618

Ion Ratio Lower Upper

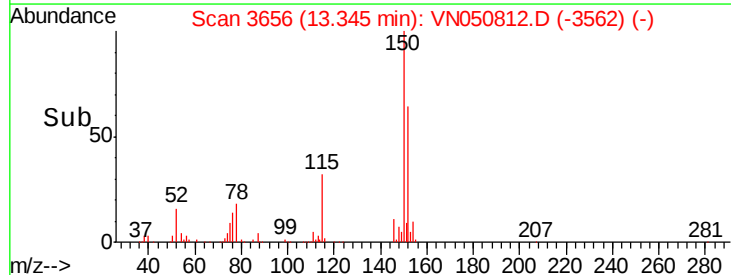
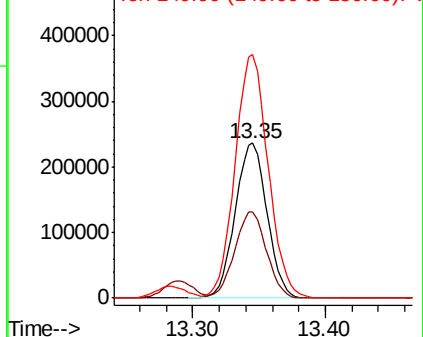
152 100

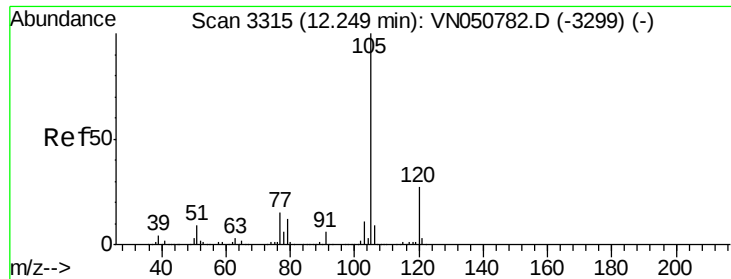
115 55.2 27.8 83.4

150 163.5 0.0 351.4



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





#73

Isopropylbenzene

Concen: 20.49 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. -0.00 min

Lab File: VN050812.D

Acq: 22 Aug 2018 12:10

Instrument :

MSVOA_N

ClientSampleId :

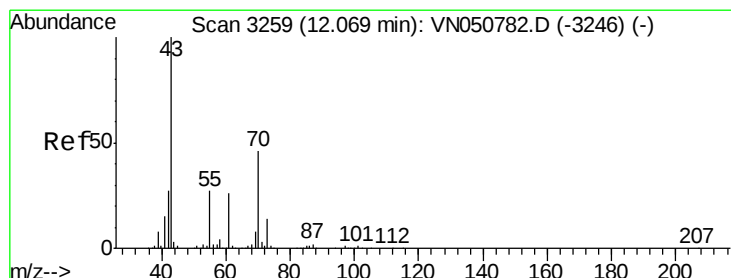
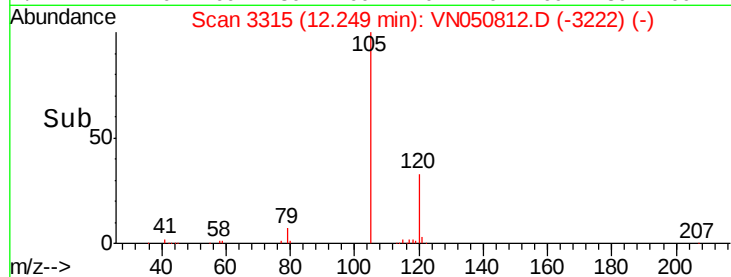
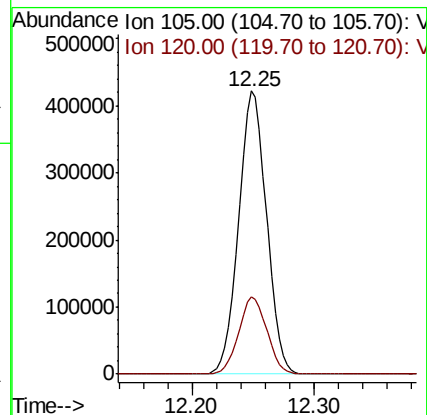
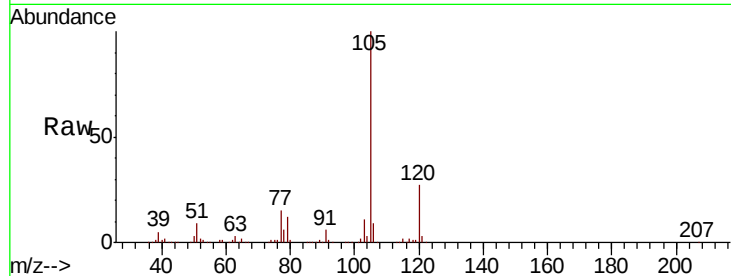
VN0822MBS01

Tot Ion:105 Resp: 667967

Ion Ratio Lower Upper

105 100

120 27.5 13.5 40.4



#74

N-ethyl acetate

Concen: 20.53 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN050812.D

Acq: 22 Aug 2018 12:10

Tgt Ion: 43 Resp: 168121

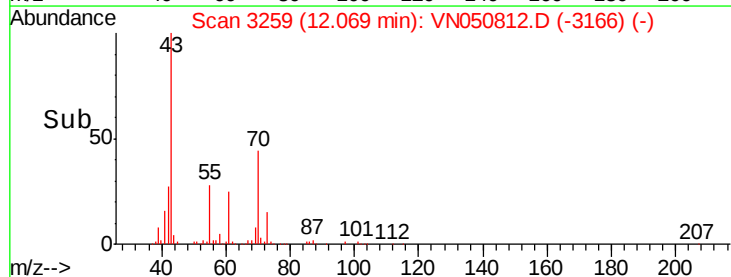
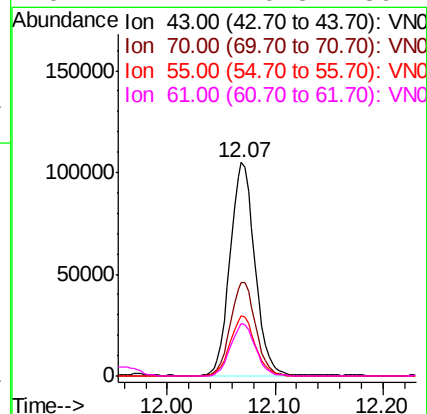
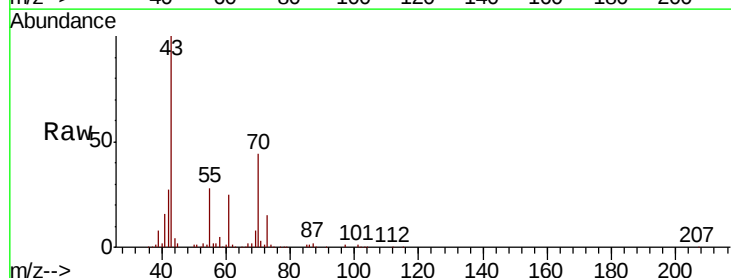
Ion Ratio Lower Upper

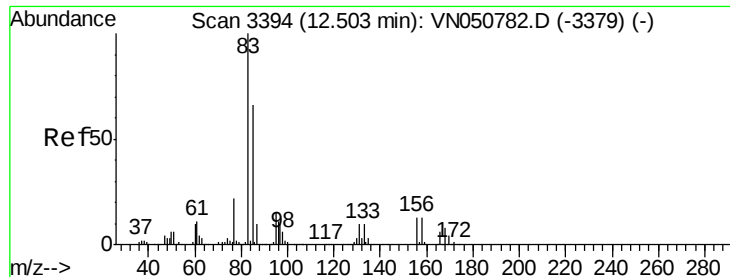
43 100

70 44.8 36.2 54.2

55 28.3 21.8 32.8

61 24.7 20.5 30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 21.70 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN050812.D

Acq: 22 Aug 2018 12:10

Instrument :

MSVOA_N

ClientSampleId :

VN0822MBS01

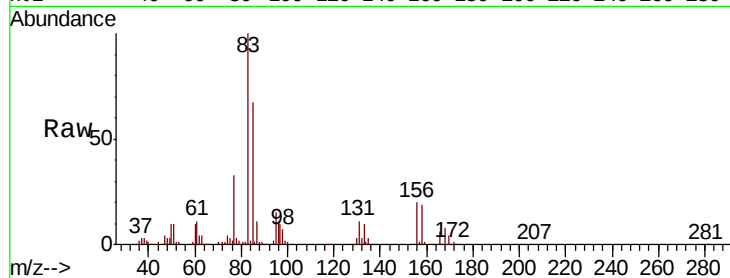
Tot Ion: 83 Resp: 175791

Ion Ratio Lower Upper

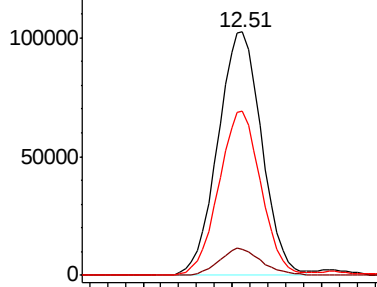
83 100

131 10.6 5.3 15.9

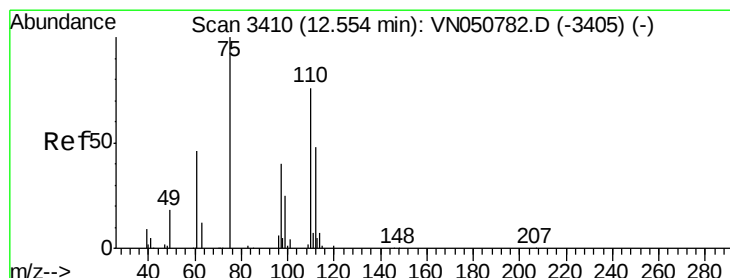
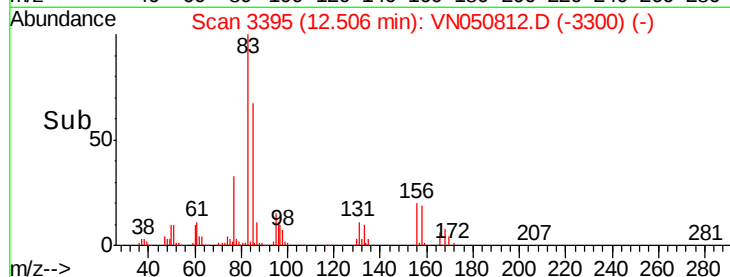
85 65.2 31.9 95.7



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VN0



Time-->



#76

1,2,3-Trichloropropane

Concen: 29.78 ug/l

RT: 12.55 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN050812.D

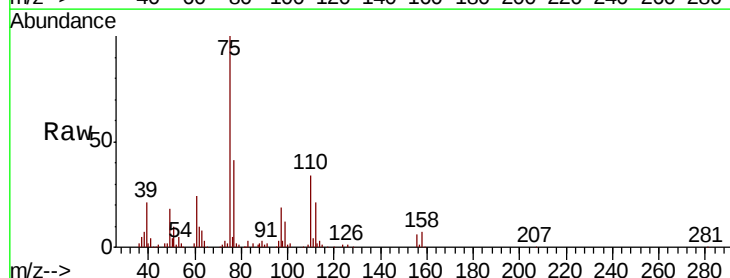
Acq: 22 Aug 2018 12:10

Tgt Ion: 75 Resp: 205292

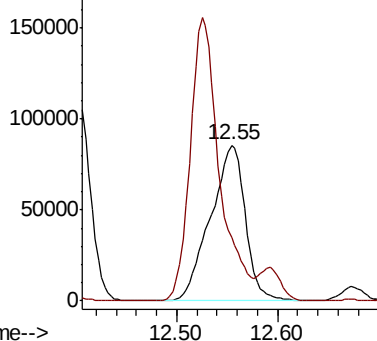
Ion Ratio Lower Upper

75 100

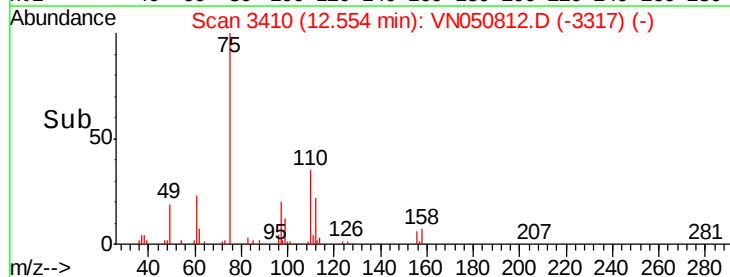
77 0.0 0.0 0.0

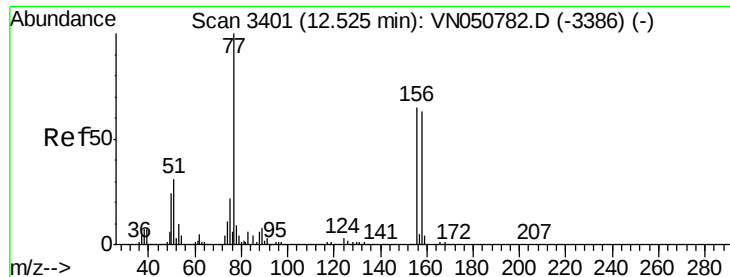


Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 77.00 (76.70 to 77.70): VN0



Time-->





#77

Bromobenzene

Concen: 19.90 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN050812.D

Acq: 22 Aug 2018 12:10

Instrument :

MSVOA_N

ClientSampleId :

VN0822MBS01

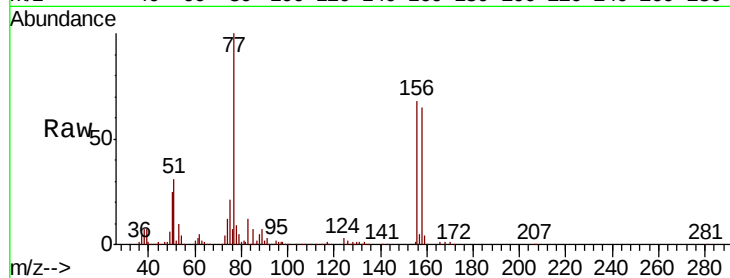
Tot Ion:156 Resp: 176281

Ion Ratio Lower Upper

156 100

77 179.0 89.9 269.7

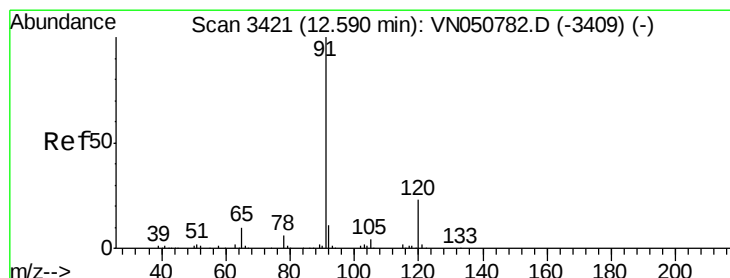
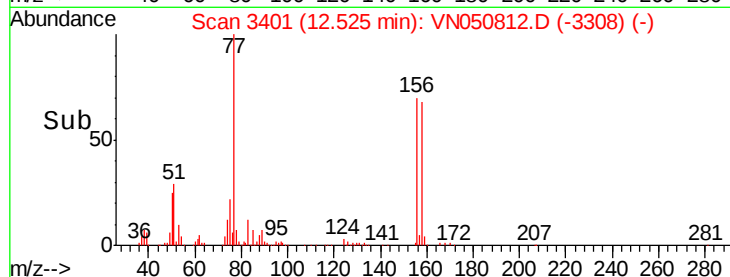
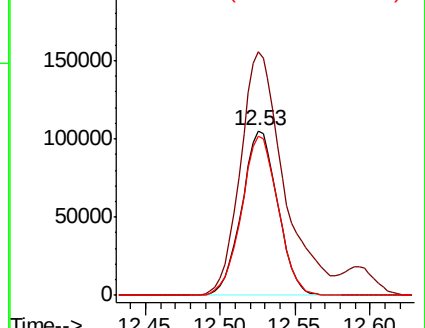
158 98.3 49.3 147.9



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.87 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN050812.D

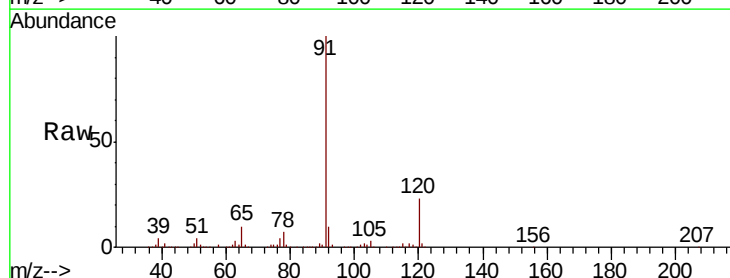
Acq: 22 Aug 2018 12:10

Tgt Ion: 91 Resp: 759755

Ion Ratio Lower Upper

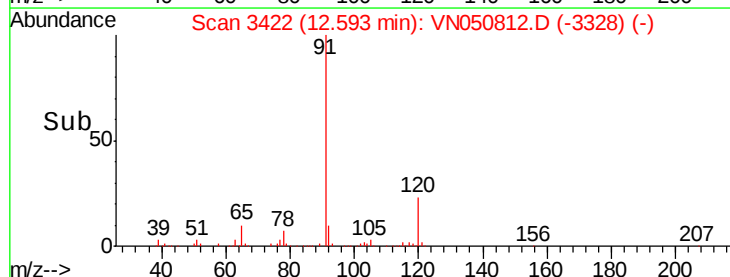
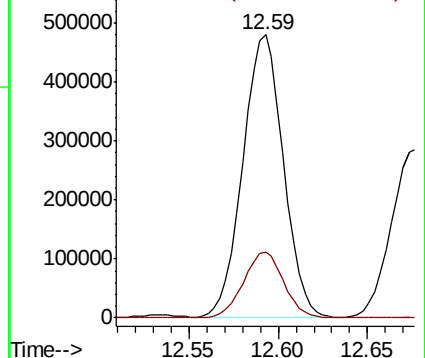
91 100

120 23.2 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.45 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN050812.D

Acq: 22 Aug 2018 12:10

Instrument :

MSVOA_N

ClientSampleId :

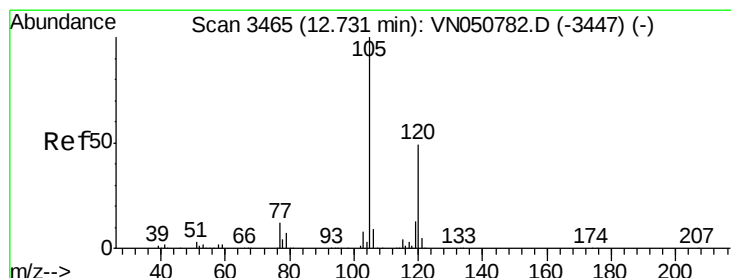
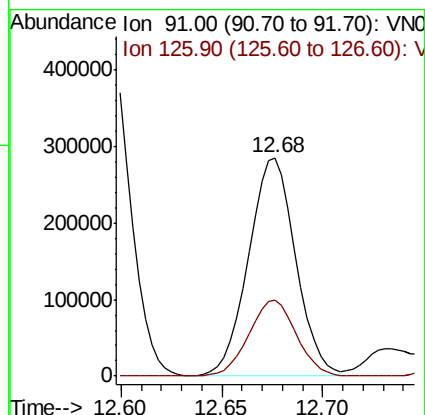
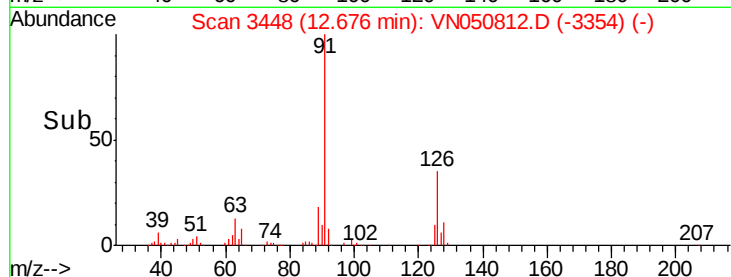
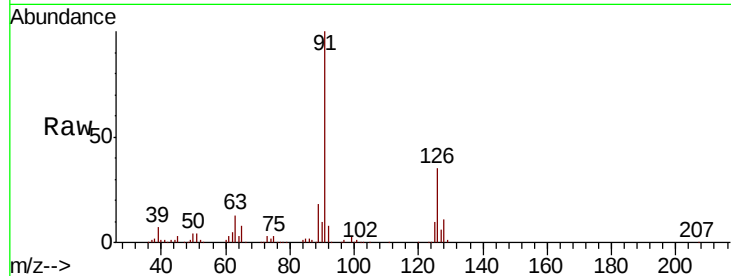
VN0822MBS01

Tot Ion: 91 Resp: 463813

Ion Ratio Lower Upper

91 100

126 35.2 17.8 53.3



#80

1,3,5-Trimethylbenzene

Concen: 21.39 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050812.D

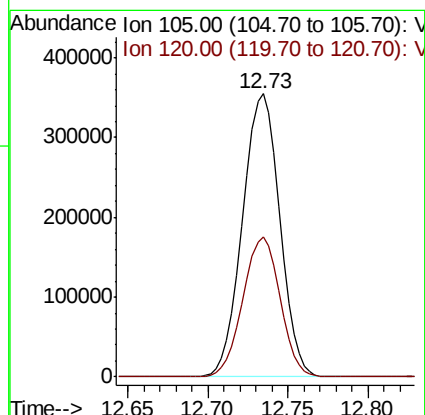
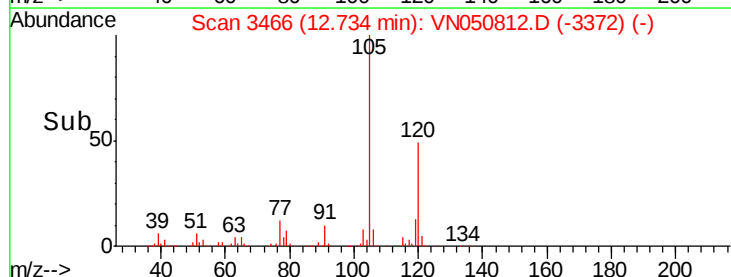
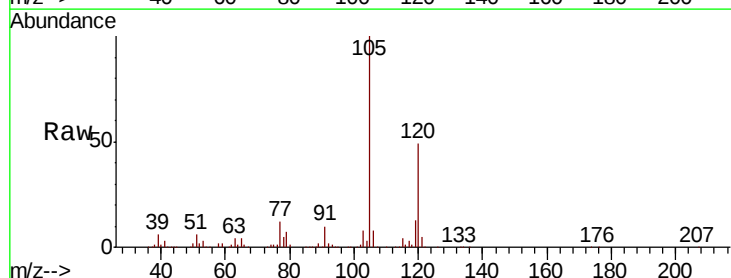
Acq: 22 Aug 2018 12:10

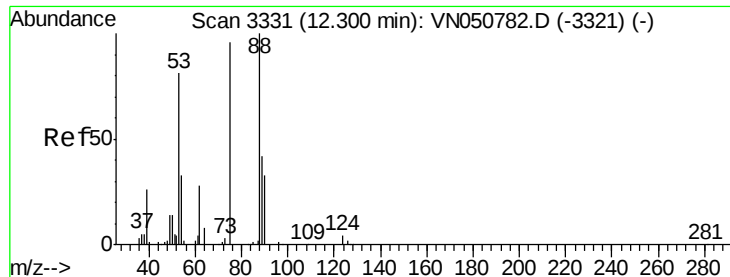
Tgt Ion: 105 Resp: 562501

Ion Ratio Lower Upper

105 100

120 49.5 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 20.06 ug/l

RT: 12.30 min Scan# 3331

Delta R.T. 0.00 min

Lab File: VN050812.D

Acq: 22 Aug 2018 12:10

Instrument :

MSVOA_N

ClientSampled :

VN0822MBS01

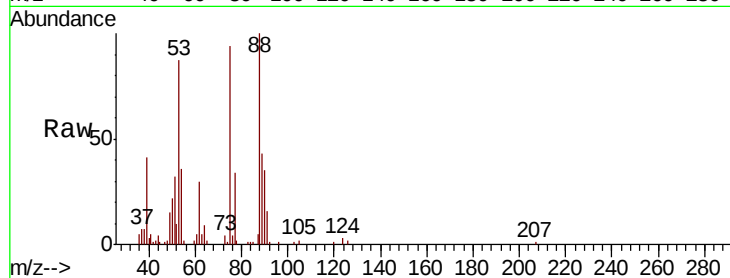
Tot Ion: 75 Resp: 40912

Ion Ratio Lower Upper

75 100

53 90.4 68.9 103.3

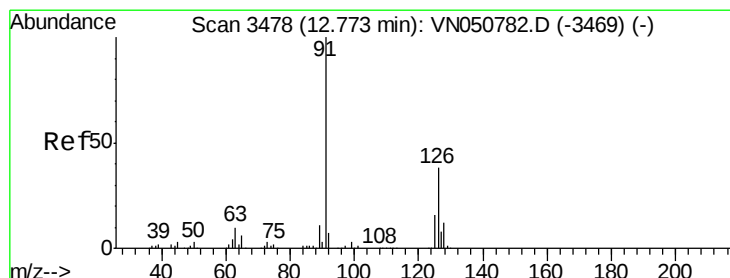
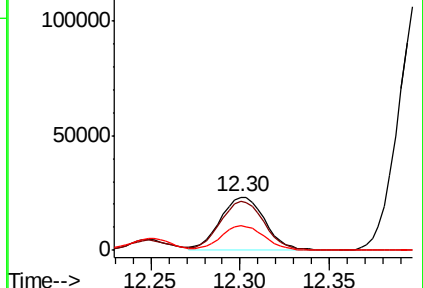
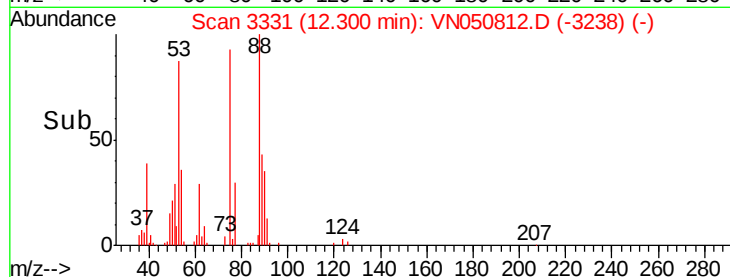
89 44.5 36.1 54.1



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 20.69 ug/l

RT: 12.77 min Scan# 3478

Delta R.T. -0.00 min

Lab File: VN050812.D

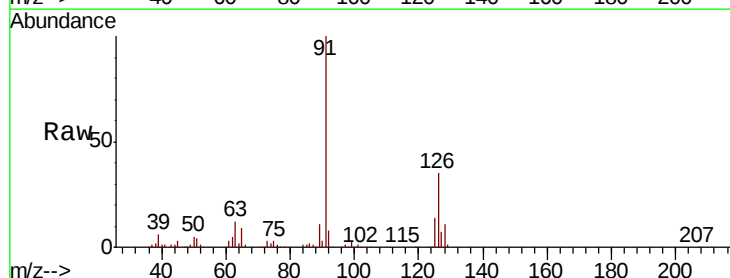
Acq: 22 Aug 2018 12:10

Tgt Ion: 91 Resp: 463336

Ion Ratio Lower Upper

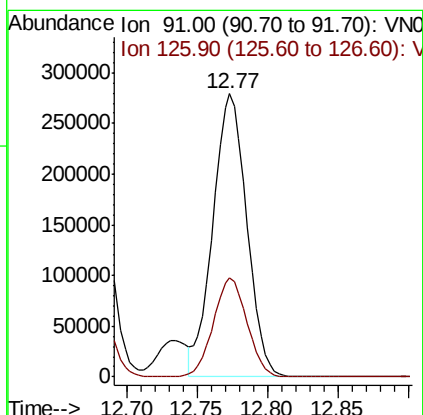
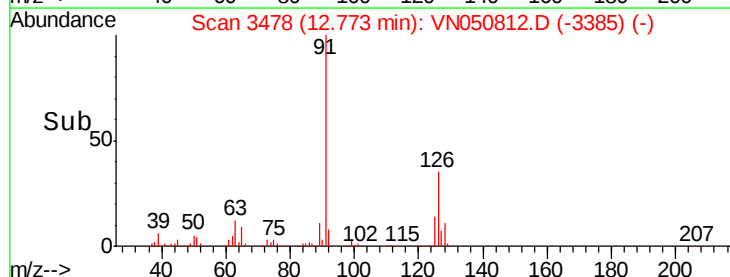
91 100

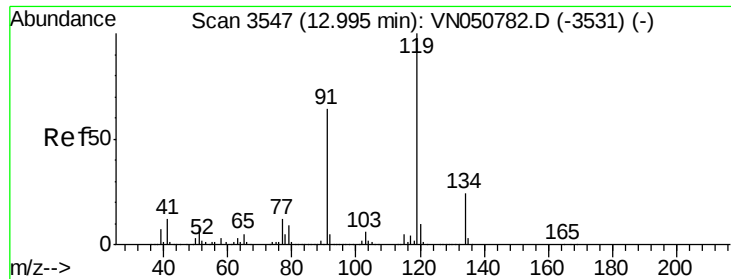
126 34.8 17.5 52.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

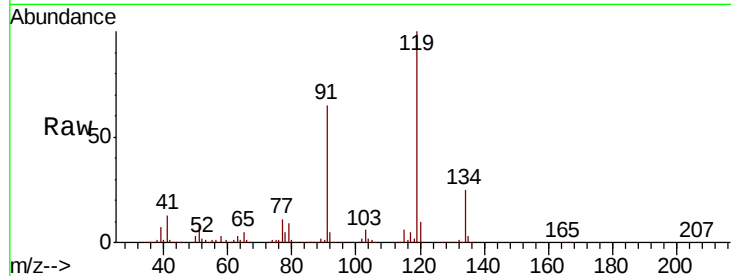




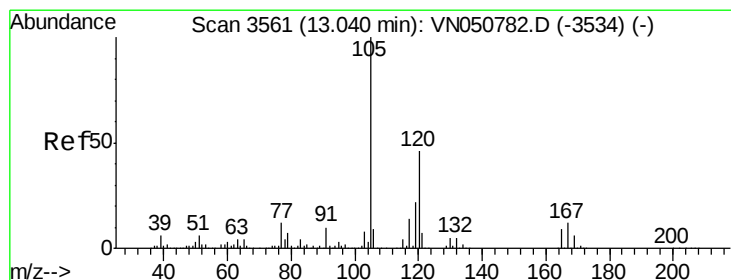
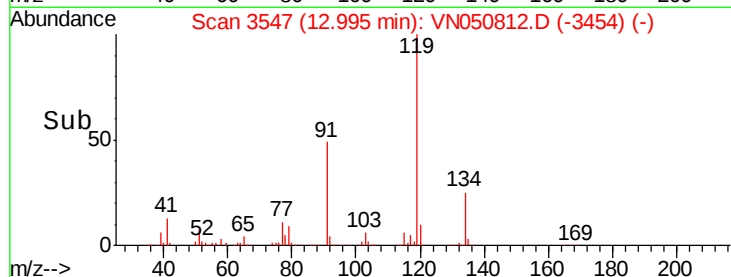
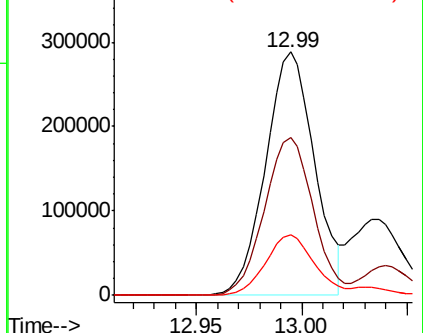
#83
 tert-Butylbenzene
 Concen: 20.40 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN050812.D
 Acq: 22 Aug 2018 12:10

Instrument :
 MSVOA_N
 ClientSampled :
 VN0822MBS01

Tot Ion:119 Resp: 464689
 Ion Ratio Lower Upper
 119 100
 91 65.1 31.6 94.7
 134 25.1 13.4 40.1

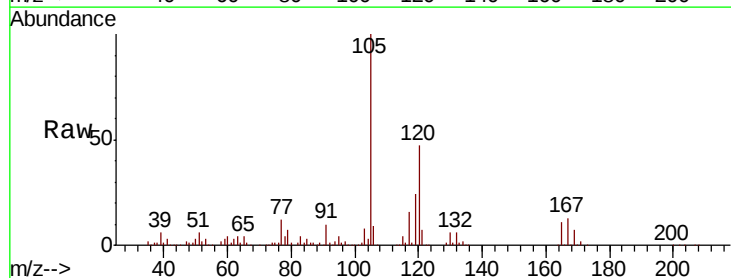


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

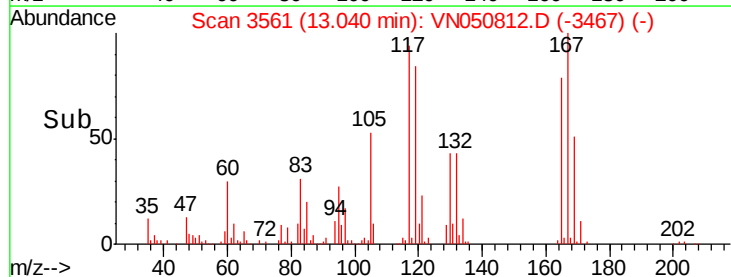
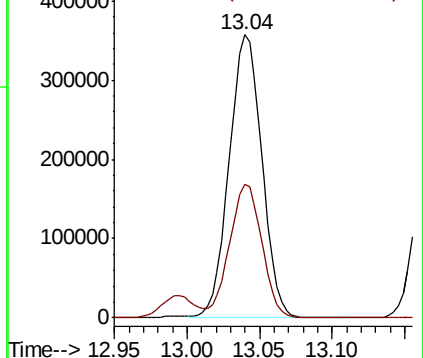


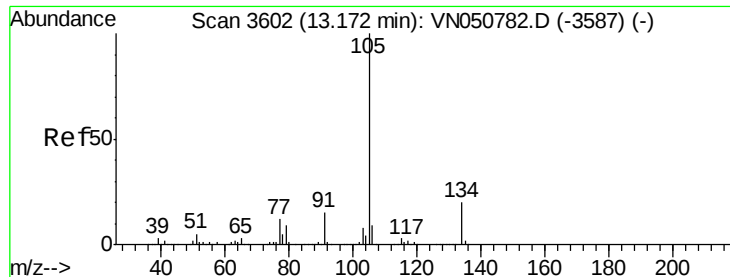
#84
 1,2,4-Trimethylbenzene
 Concen: 21.16 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. 0.00 min
 Lab File: VN050812.D
 Acq: 22 Aug 2018 12:10

Tgt Ion:105 Resp: 559663
 Ion Ratio Lower Upper
 105 100
 120 47.0 22.9 68.8



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





#85

sec-Butylbenzene

Concen: 20.78 ug/l

RT: 13.17 min Scan# 3602

Delta R.T. -0.00 min

Lab File: VN050812.D

Acq: 22 Aug 2018 12:10

Instrument :

MSVOA_N

ClientSampleId :

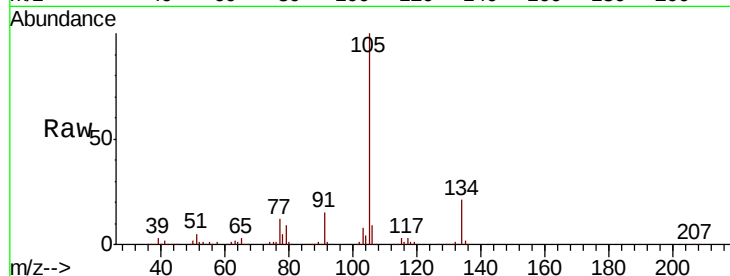
VN0822MBS01

Tot Ion:105 Resp: 620120

Ion Ratio Lower Upper

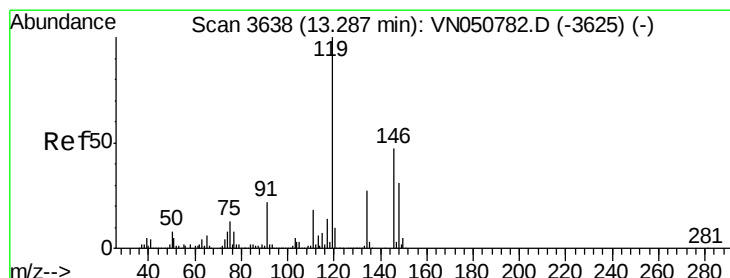
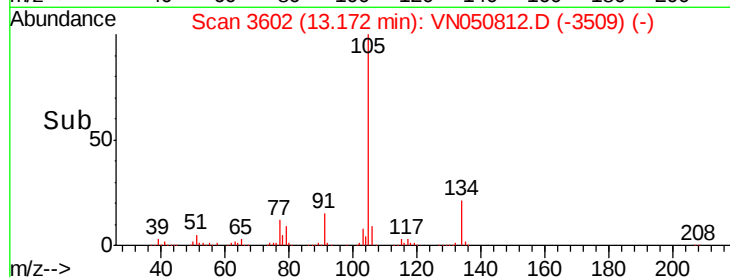
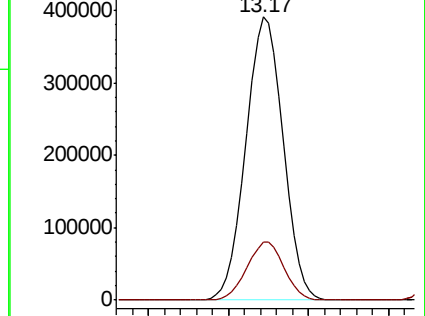
105 100

134 20.5 10.3 30.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.13 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050812.D

Acq: 22 Aug 2018 12:10

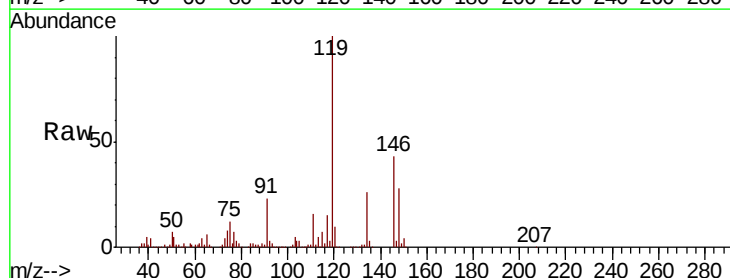
Tgt Ion:119 Resp: 537302

Ion Ratio Lower Upper

119 100

134 26.5 13.7 41.0

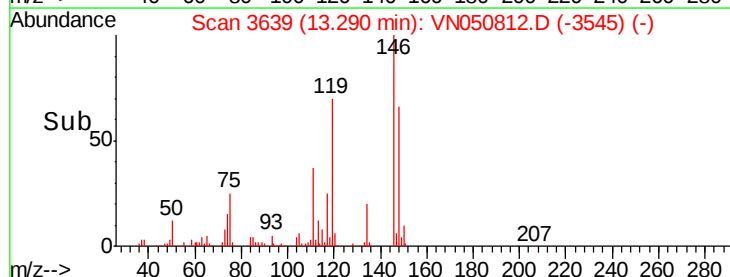
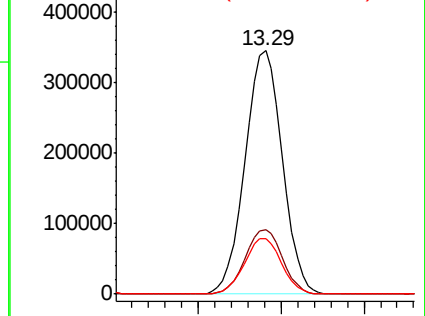
91 22.8 11.2 33.5

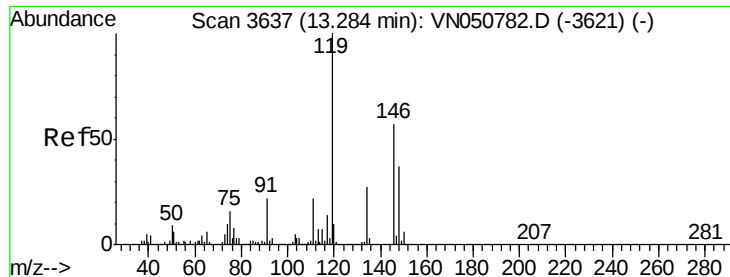


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 19.76 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. -0.00 min

Lab File: VN050812.D

Acq: 22 Aug 2018 12:10

Instrument :

MSVOA_N

ClientSampleId :

VN0822MBS01

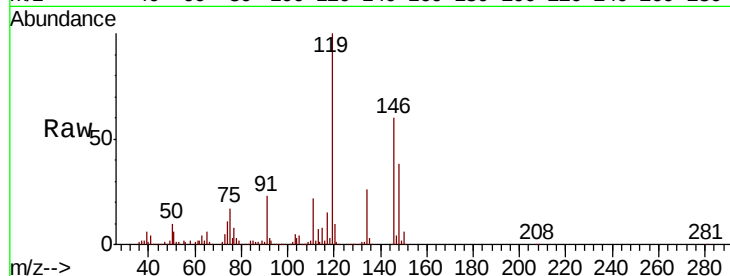
Tot Ion:146 Resp: 297078

Ion Ratio Lower Upper

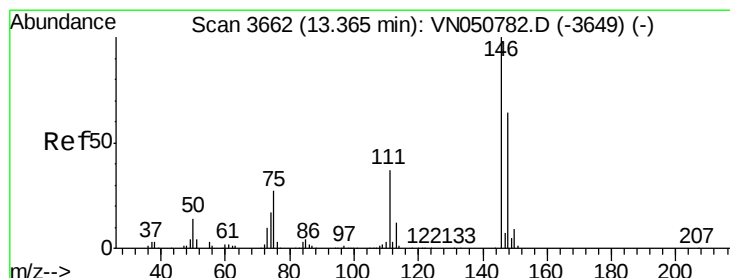
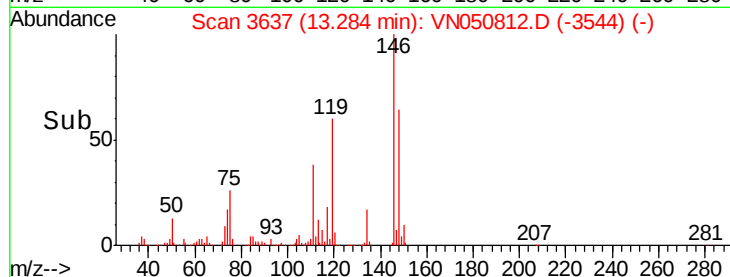
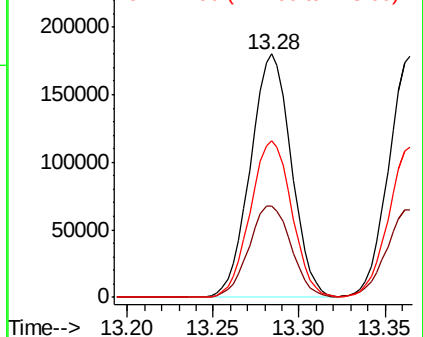
146 100

111 38.8 19.1 57.3

148 65.3 32.2 96.6



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



#88

1,4-Dichlorobenzene

Concen: 19.70 ug/l

RT: 13.36 min Scan# 3662

Delta R.T. -0.00 min

Lab File: VN050812.D

Acq: 22 Aug 2018 12:10

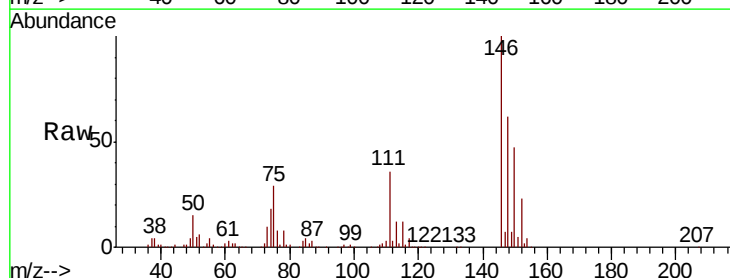
Tgt Ion:146 Resp: 291513

Ion Ratio Lower Upper

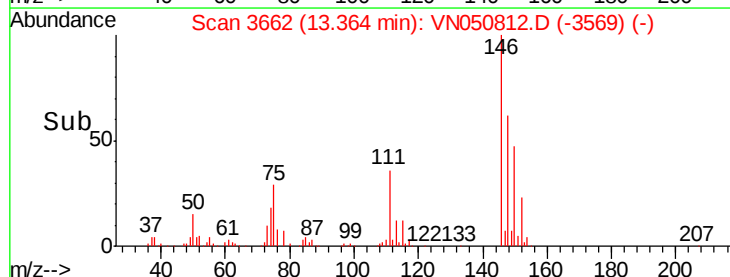
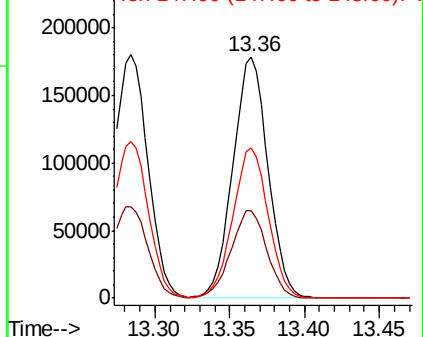
146 100

111 37.3 18.8 56.3

148 62.7 32.2 96.6



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

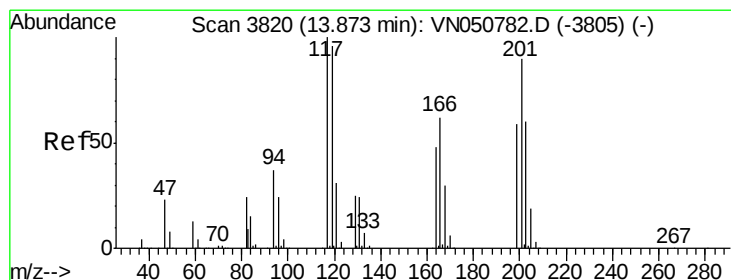
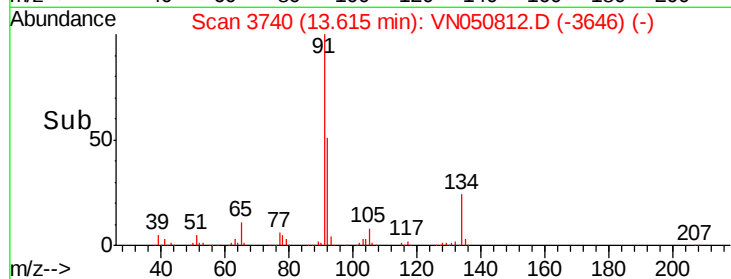
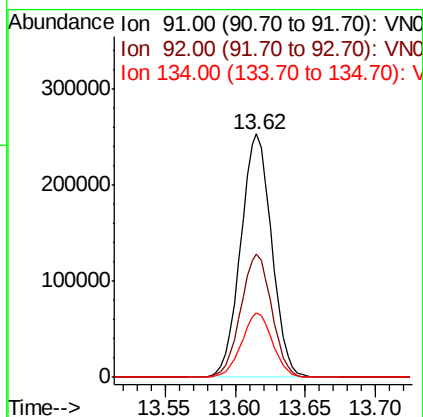
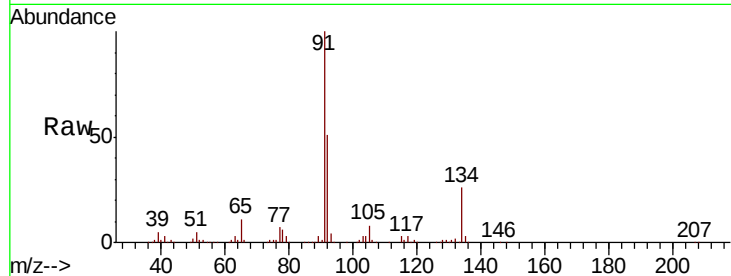




#89
n-Butylbenzene
Concen: 19.21 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. 0.00 min
Lab File: VN050812.D
Acq: 22 Aug 2018 12:10

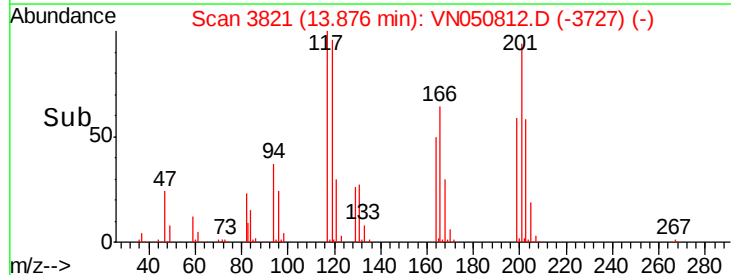
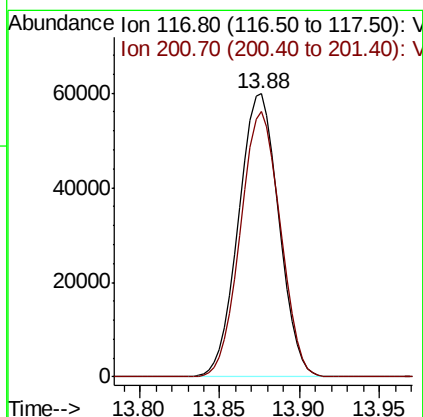
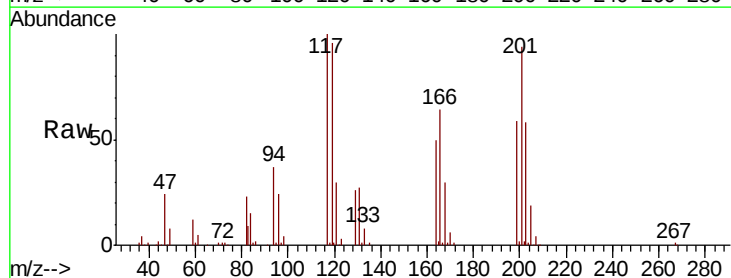
Instrument :
MSVOA_N
ClientSampleId :
VN0822MBS01

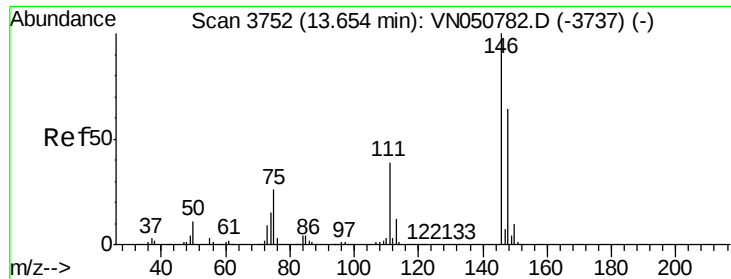
Tot Ion: 91 Resp: 390706
Ion Ratio Lower Upper
91 100
92 50.6 26.1 78.2
134 26.3 13.2 39.6



#90
Hexachloroethane
Concen: 21.28 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN050812.D
Acq: 22 Aug 2018 12:10

Tgt Ion: 117 Resp: 102642
Ion Ratio Lower Upper
117 100
201 92.8 46.0 137.8





#91

1,2-Dichlorobenzene

Concen: 20.25 ug/l

RT: 13.65 min Scan# 3752

Delta R.T. -0.00 min

Lab File: VN050812.D

Acq: 22 Aug 2018 12:10

Instrument :

MSVOA_N

ClientSampleId :

VN0822MBS01

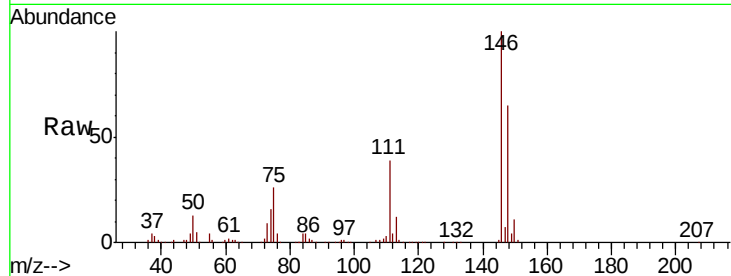
Tot Ion:146 Resp: 293656

Ion Ratio Lower Upper

146 100

111 38.9 19.8 59.3

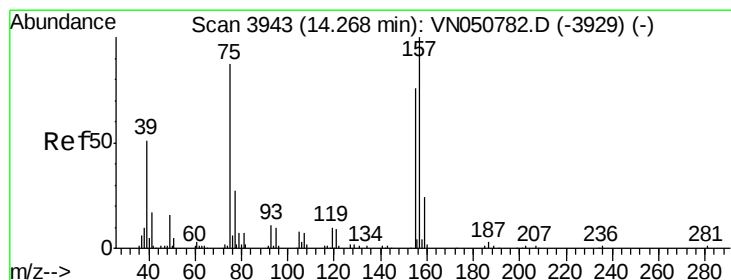
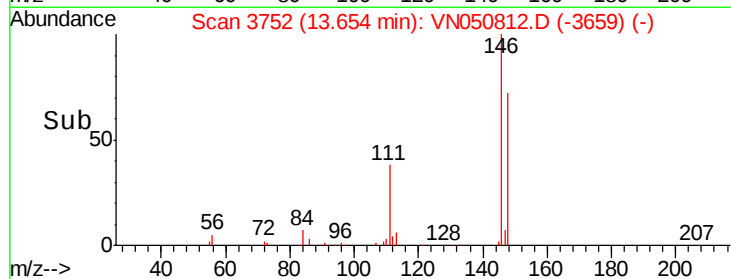
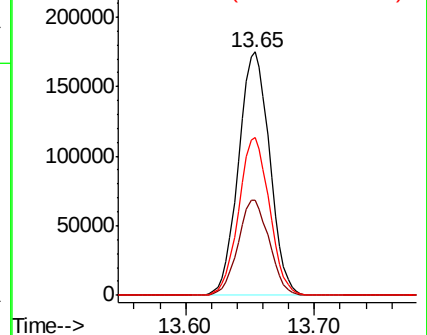
148 63.9 32.3 96.8



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.95 ug/l

RT: 14.27 min Scan# 3944

Delta R.T. 0.00 min

Lab File: VN050812.D

Acq: 22 Aug 2018 12:10

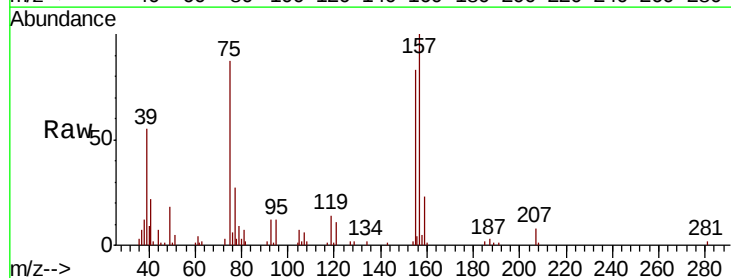
Tgt Ion: 75 Resp: 23348

Ion Ratio Lower Upper

75 100

155 94.4 46.4 139.1

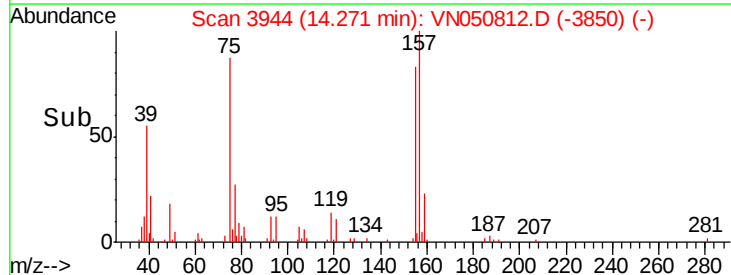
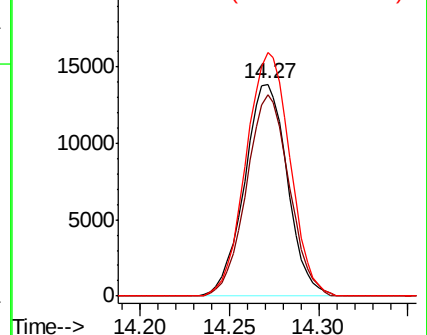
157 117.5 60.7 182.0

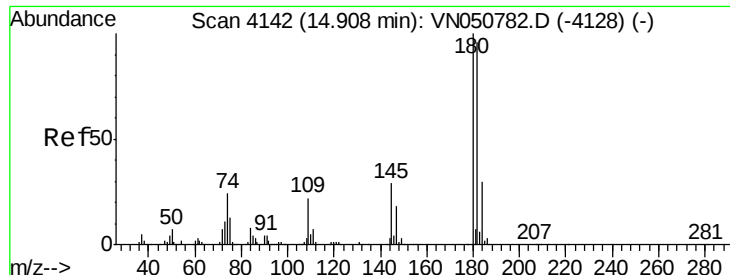


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

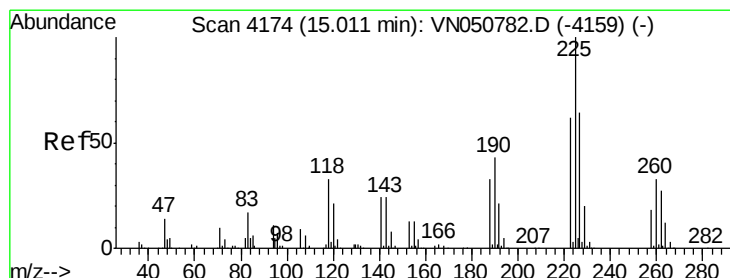
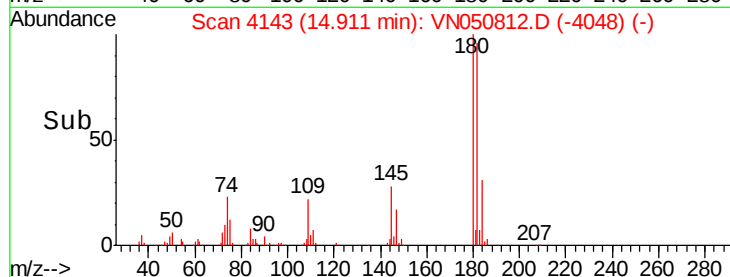
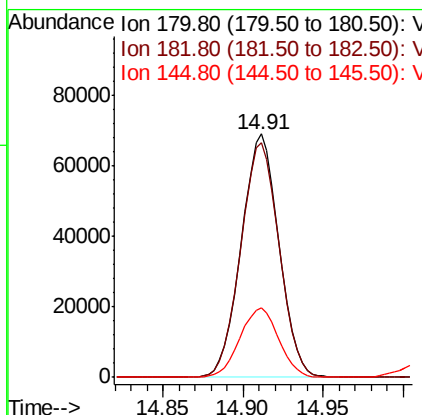
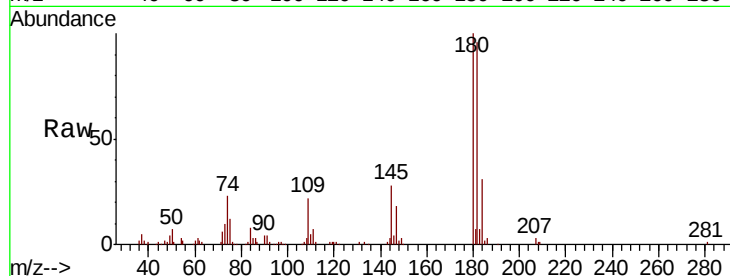




#93
 1,2,4-Trichlorobenzene
 Concen: 17.57 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050812.D
 Acq: 22 Aug 2018 12:10

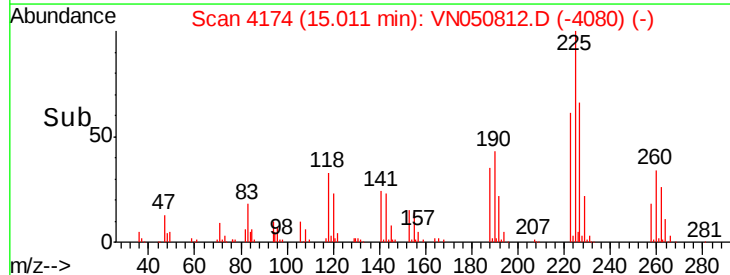
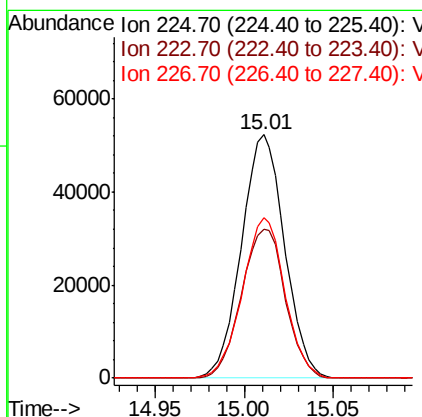
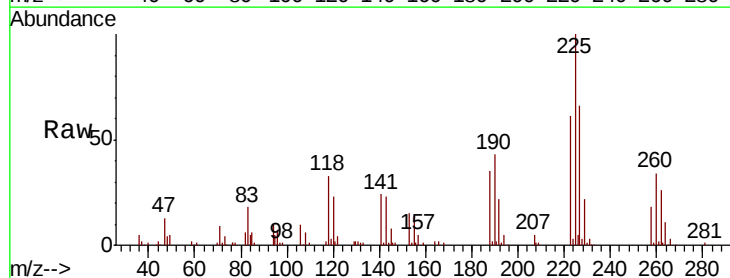
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0822MBS01

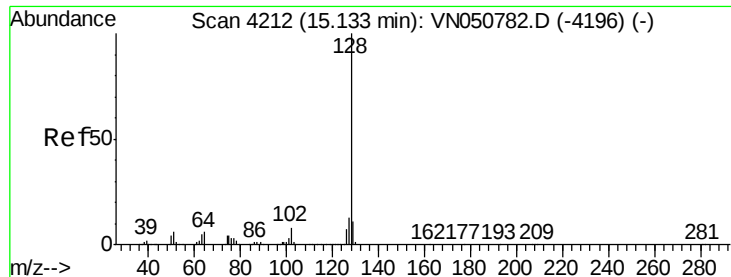
Tot Ion	Ratio	Lower	Upper
180	100		
182	98.1	48.2	144.6
145	29.2	14.1	42.2



#94
 Hexachlorobutadiene
 Concen: 19.80 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. 0.00 min
 Lab File: VN050812.D
 Acq: 22 Aug 2018 12:10

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.4	31.3	93.8
227	64.9	32.0	96.2





#95

Naphthalene

Concen: 17.35 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN050812.D

Acq: 22 Aug 2018 12:10

Instrument :

MSVOA_N

ClientSampleId :

VN0822MBS01

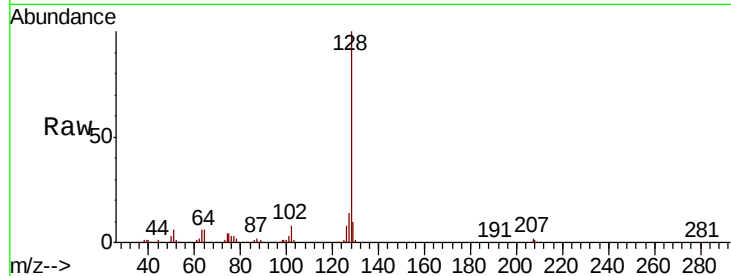
Tot Ion:128 Resp: 210713

Ion Ratio Lower Upper

128 100

127 13.6 10.5 15.7

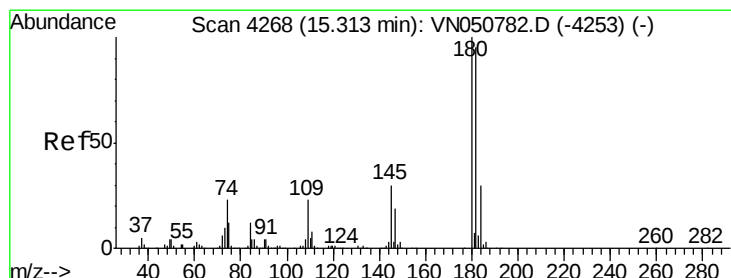
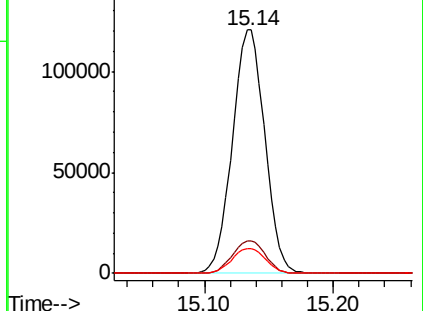
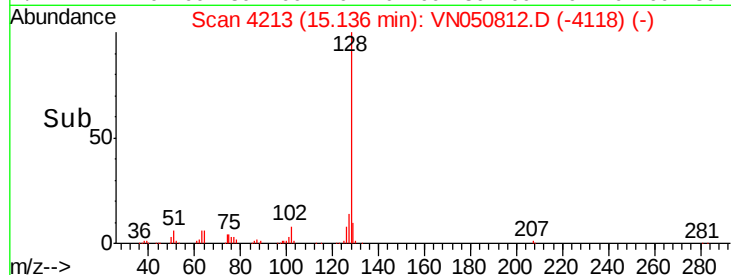
129 10.7 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 18.66 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. 0.00 min

Lab File: VN050812.D

Acq: 22 Aug 2018 12:10

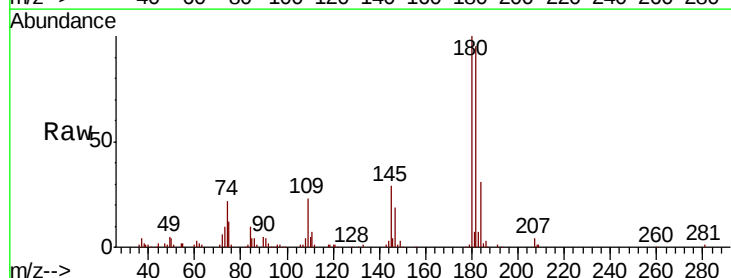
Tgt Ion:180 Resp: 116357

Ion Ratio Lower Upper

180 100

182 95.8 48.0 144.2

145 29.7 15.2 45.6



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

