

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080918\
 Data File : VN050502.D
 Acq On : 9 Aug 2018 22:52
 Operator : MD\SY
 Sample : VN0809WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 10 07:26:43 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N072518W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jul 26 15:21:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	137049	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	731916	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	642638	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	276435	29.67	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.90%
60) 4-Bromofluorobenzene	12.40	95	292842	29.66	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.87%
63) Toluene-d8	10.09	98	916791	29.87	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.57%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.85	85	143572	15.20	ug/l	97
3) Chloromethane	2.06	50	180962	18.58	ug/l	100
4) Vinyl Chloride	2.18	62	192981	18.62	ug/l	99
5) Bromomethane	2.57	94	110600	17.50	ug/l	97
6) Chloroethane	2.70	64	118198	19.28	ug/l	97
7) Trichlorofluoromethane	3.01	101	254930	18.82	ug/l	99
8) Diethyl Ether	3.41	74	88862	19.56	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	158225	19.20	ug/l	98
10) 1,1-Dichloroethene	3.74	96	144780	19.81	ug/l	97
11) Methyl Iodide	3.95	142	75775	7.05	ug/l	98
12) Methyl Acetate	4.33	43	132504	15.83	ug/l	99
13) Acrolein	3.61	56	43638	84.36	ug/l	97
14) Acrylonitrile	5.00	53	266276	95.34	ug/l	98
15) Acetone	3.82	58	77072	103.83	ug/l	93
16) Carbon Disulfide	4.05	76	419716	18.77	ug/l	100
17) Allyl chloride	4.33	41	212842	18.44	ug/l	97
18) Methylene Chloride	4.55	84	169544	20.11	ug/l	99
19) trans-1,2-Dichloroethene	5.05	96	156850	20.05	ug/l	97
20) Diisopropyl ether	5.96	45	488702	20.65	ug/l	97
21) 1,1-Dichloroethane	5.85	63	299185	20.11	ug/l	99
22) cis-1,2-Dichloroethene	6.83	96	178539	20.58	ug/l	97
23) tert-Butyl Alcohol	4.80	59	53453	85.65	ug/l #	100
24) Methyl tert-Butyl Ether	5.05	73	402378	20.19	ug/l	99
25) Chloroform	7.37	83	302559	20.09	ug/l	98
26) Cyclohexane	7.66	56	230199	19.47	ug/l #	99
29) 1,1-Dichloropropene	7.80	75	220366	19.40	ug/l	100
30) 2-Butanone	6.84	43	369835	103.76	ug/l	97
31) 2,2-Dichloropropane	6.83	77	201914	16.08	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	258763	19.35	ug/l	99
33) Carbon Tetrachloride	7.78	117	226888	19.04	ug/l	100
34) Benzene	8.05	78	676084	19.60	ug/l	98
35) Methacrylonitrile	7.18	41	68730	16.94	ug/l	95
36) 1,2-Dichloroethane	8.13	62	215400	19.02	ug/l	100
37) Trichloroethene	8.84	130	182334	20.15	ug/l	96
38) Methylcyclohexane	9.08	83	217840	18.19	ug/l	98
39) 1,2-Dichloropropane	9.12	63	180050	19.81	ug/l	99
40) Dibromomethane	9.21	93	108036	19.24	ug/l	99

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Instrument :
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 ClientSampleId :

Quant Time: Aug 10 07:26:43 2018
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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jul 26 15:21:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

41) Bromodichloromethane	9.41	83	227631	19.21	ug/l	96
42) Vinyl Acetate	5.90	43	1592461	94.94	ug/l	99
43) Ethyl Acetate	6.94	43	138044	18.55	ug/l #	92
44) Isopropyl Acetate	8.17	43	244678	17.75	ug/l	100
45) 1,4-Dioxane	9.20	88	32358	356.64	ug/l	97
46) Methyl methacrylate	9.20	41	114593	17.14	ug/l	98
47) n-amyl Acetate	12.07	43	191018	17.80	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	208849	18.49	ug/l	97
49) cis-1,3-Dichloropropene	9.84	75	251237	18.93	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	153773	19.07	ug/l	98
51) Ethyl methacrylate	10.43	69	179907	18.39	ug/l	98
52) 1,3-Dichloropropane	10.71	76	253836	19.17	ug/l	99
53) Dibromochloromethane	10.90	129	171760	18.77	ug/l	99
54) 1,2-Dibromoethane	11.01	107	148572	18.82	ug/l	100
55) 2-Chloroethyl vinyl ether	9.70	63	420987	95.06	ug/l	99
56) Bromoform	12.13	173	112530	17.42	ug/l	99
58) 4-Methyl-2-Pentanone	9.99	43	853343	114.12	ug/l	98
59) 2-Hexanone	10.75	43	549190	107.65	ug/l	99
61) Tetrachloroethene	10.63	164	170043	19.54	ug/l	96
62) Toluene	10.16	91	729042	19.88	ug/l	99
64) Chlorobenzene	11.44	112	441524	19.86	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	169063	19.50	ug/l	99
66) Ethyl Benzene	11.51	91	731157	19.51	ug/l	99
67) m/p-Xylenes	11.62	106	575297	39.90	ug/l	99
68) o-Xylene	11.95	106	276770	20.17	ug/l	100
69) Styrene	11.97	104	442686	20.13	ug/l	99
70) Isopropylbenzene	12.25	105	728838	19.95	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.51	83	191215	19.06	ug/l	98
72) 1,2,3-Trichloropropane	12.55	75	214483	25.03	ug/l	59
73) Bromobenzene	12.53	156	190338	19.56	ug/l	99
74) n-propylbenzene	12.59	91	809798	19.03	ug/l	100
75) 2-Chlorotoluene	12.68	91	506283	19.81	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	600482	20.01	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	38467	13.73	ug/l	89
78) 4-Chlorotoluene	12.77	91	497045	19.62	ug/l	98
79) tert-butylbenzene	12.99	119	506488	19.74	ug/l	100
80) 1,2,4-Trimethylbenzene	13.04	105	605343	19.91	ug/l	98
81) sec-Butylbenzene	13.17	105	659404	18.92	ug/l	100
82) p-Isopropyltoluene	13.29	119	565147	19.00	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	329800	19.46	ug/l	100
84) 1,4-Dichlorobenzene	13.36	146	315874	19.72	ug/l	99
85) n-Butylbenzene	13.62	91	422166	17.49	ug/l	100
86) Hexachloroethane	13.88	117	97028	16.33	ug/l	99
87) 1,2-Dichlorobenzene	13.65	146	327512	19.77	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	14.27	75	27553	17.63	ug/l	96
89) 1,2,4-Trichlorobenzene	14.91	180	150563	19.03	ug/l	99
90) Hexachlorobutadiene	15.01	225	94915	18.19	ug/l	99
91) Naphthalene	15.14	128	309056	20.10	ug/l	99
92) 1,2,3-Trichlorobenzene	15.32	180	152094	18.90	ug/l	100

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Instrument :
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ClientSampleId :

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Jul 26 15:21:50 2018
Response via : Initial Calibration

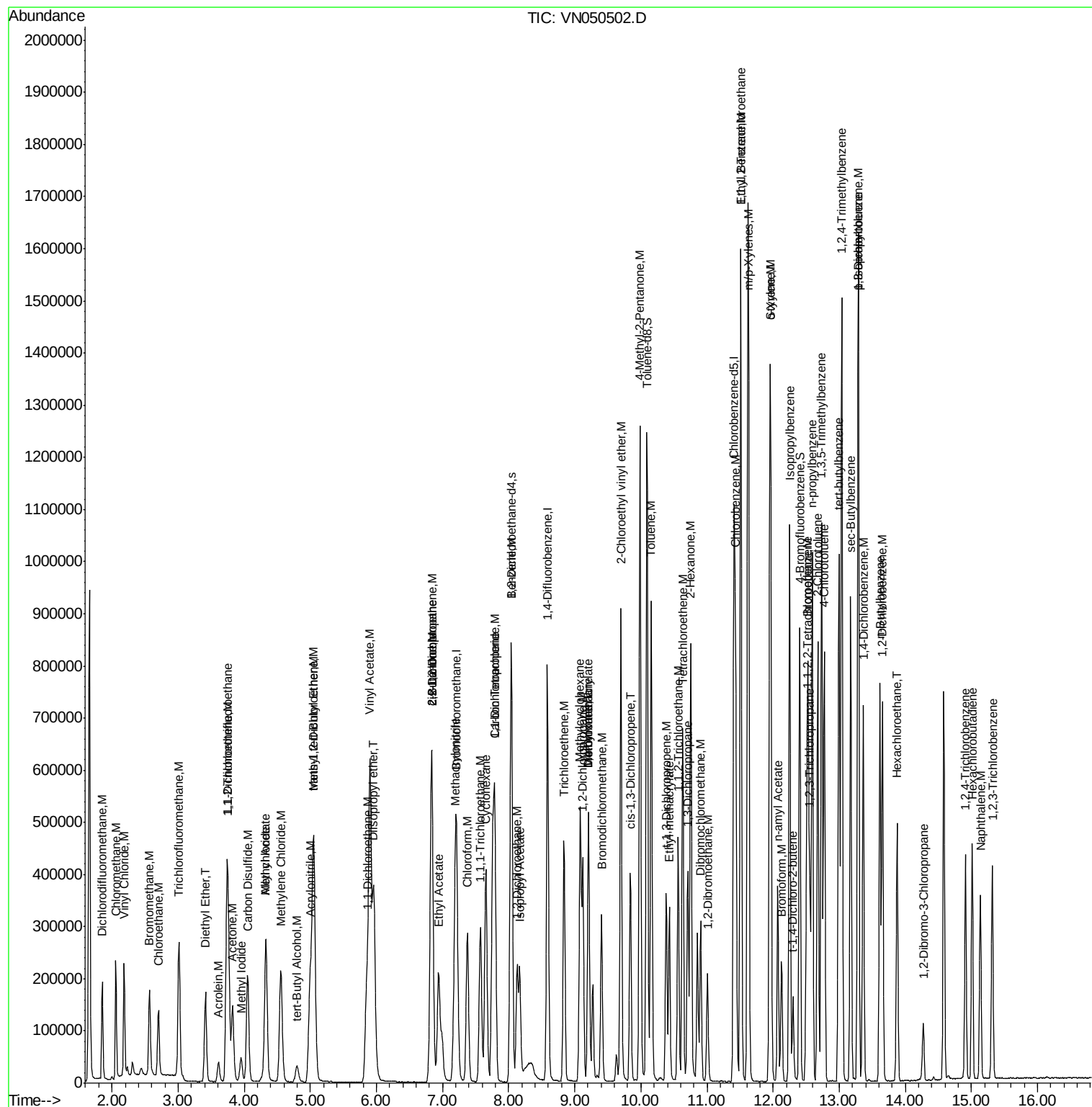
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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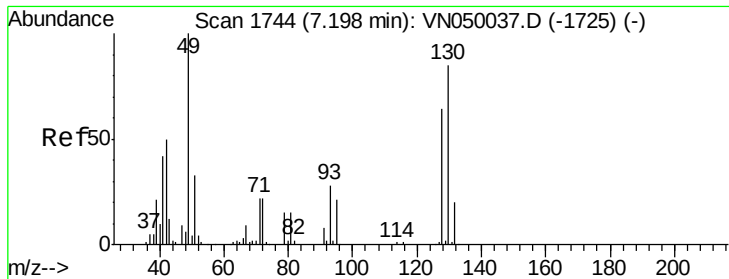
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080918\
 Data File : VN050502.D
 Acq On : 9 Aug 2018 22:52
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 Sample : VN0809WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 10 07:26:43 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N072518W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jul 26 15:21:50 2018
 Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.00 ug/l

RT: 7.20 min Scan# 1744

Delta R.T. -0.00 min

Lab File: VN050502.D

Acq: 9 Aug 2018 22:52

Instrument :
MSVOA_N
ClientSampled :

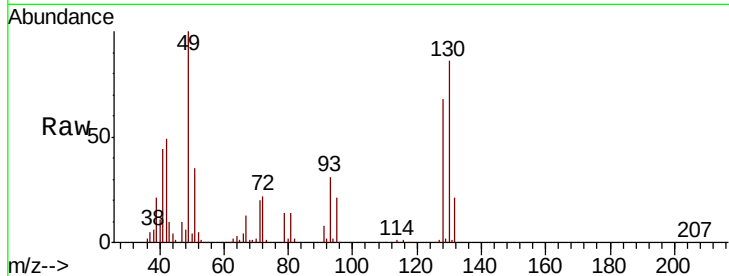
Tot Ion:128 Resp: 137049

Ion Ratio Lower Upper

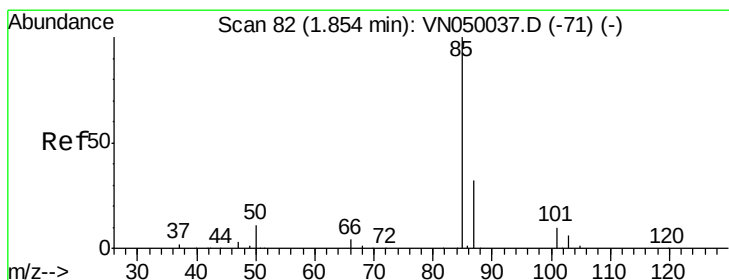
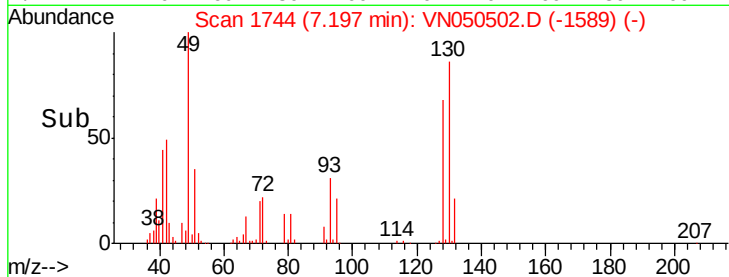
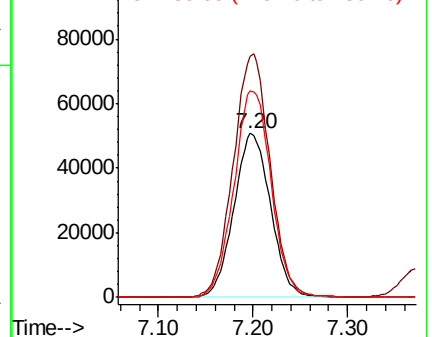
128 100

49 149.2 0.0 378.3

130 128.1 0.0 320.7



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VN
Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 15.20 ug/l

RT: 1.85 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN050502.D

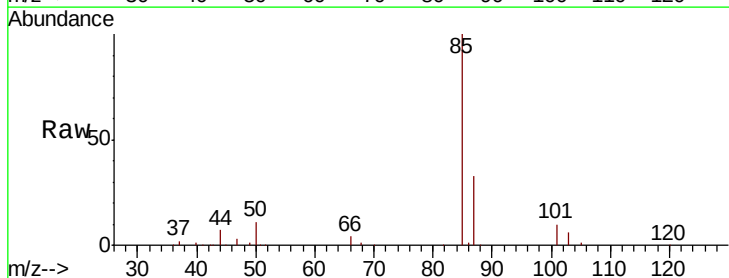
Acq: 9 Aug 2018 22:52

Tgt Ion: 85 Resp: 143572

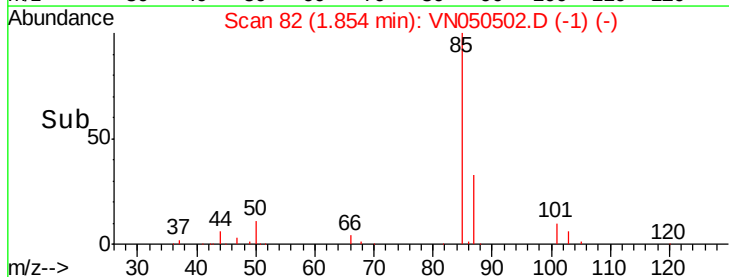
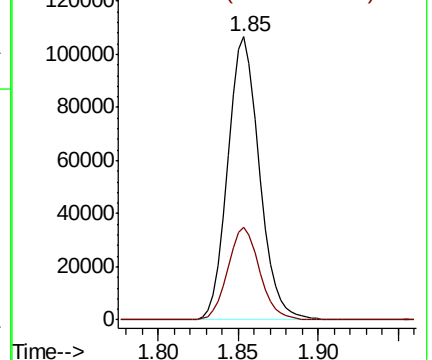
Ion Ratio Lower Upper

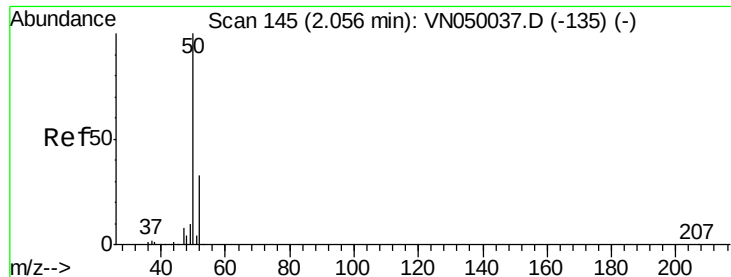
85 100

87 32.8 15.4 46.4



Abundance Ion 85.00 (84.70 to 85.70): VN
Ion 87.00 (86.70 to 87.70): VN





#3

Chloromethane

Concen: 18.58 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN050502.D

Acq: 9 Aug 2018 22:52

Instrument :

MSVOA_N

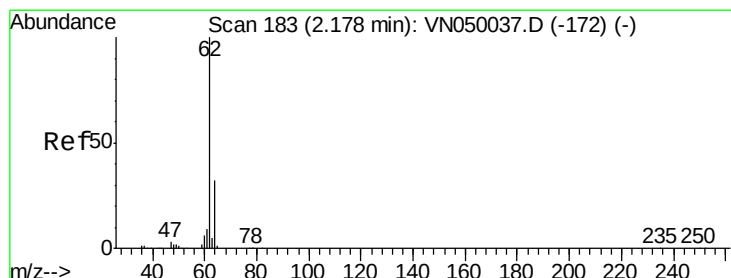
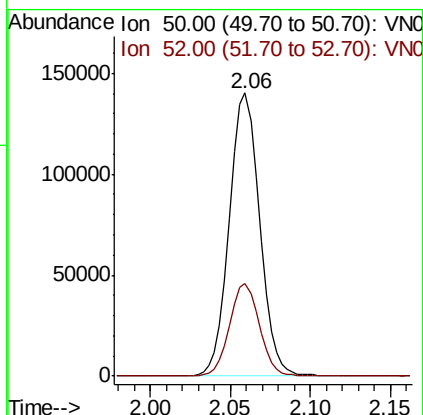
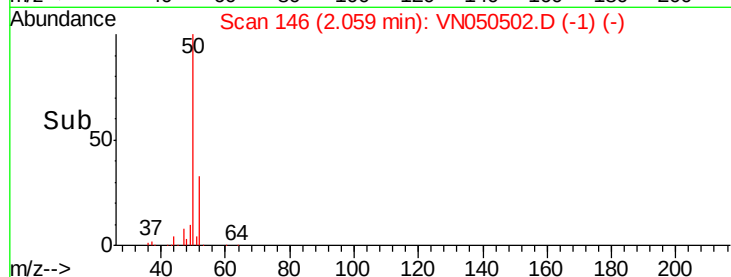
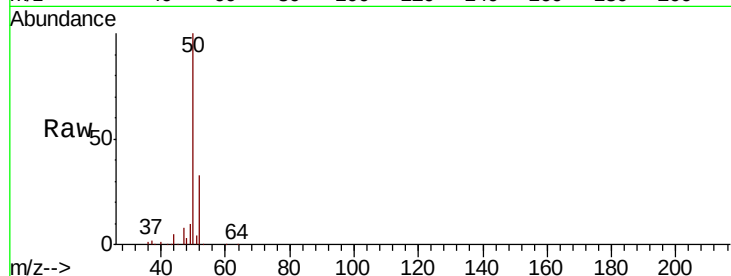
ClientSampled :

Tot Ion: 50 Resp: 180962

Ion Ratio Lower Upper

50 100

52 32.7 26.1 39.1



#4

Vinyl Chloride

Concen: 18.62 ug/l

RT: 2.18 min Scan# 185

Delta R.T. 0.01 min

Lab File: VN050502.D

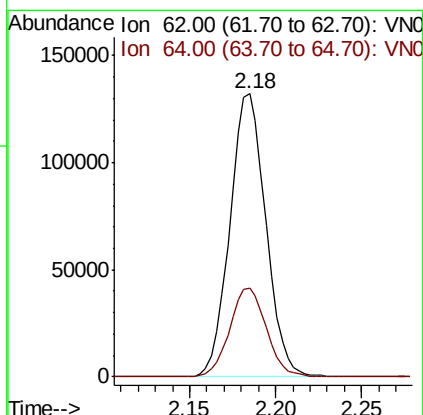
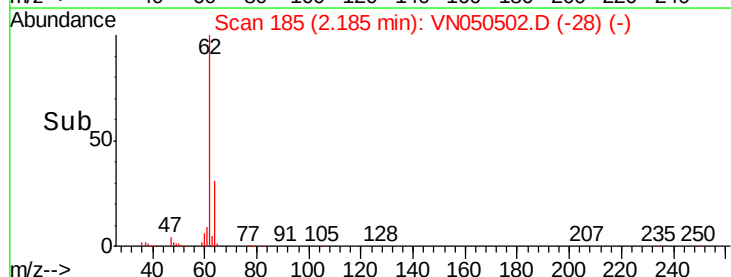
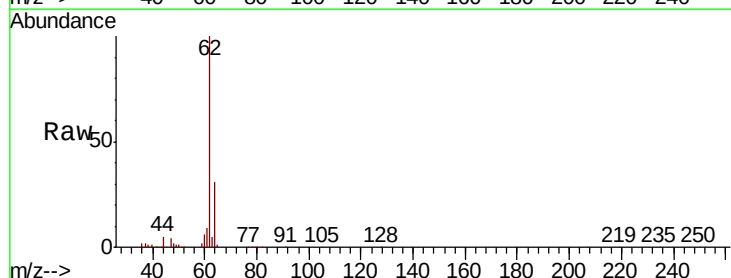
Acq: 9 Aug 2018 22:52

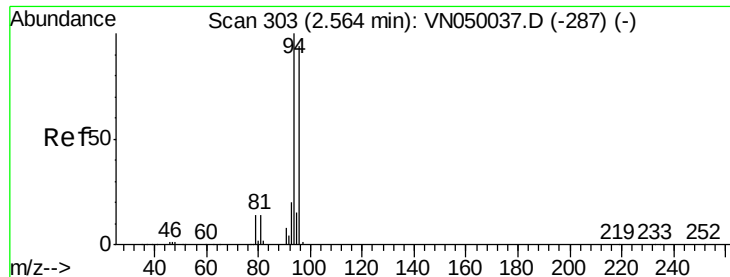
Tgt Ion: 62 Resp: 192981

Ion Ratio Lower Upper

62 100

64 31.3 24.4 36.6





#5

Bromomethane

Concen: 17.50 ug/l

RT: 2.57 min Scan# 304

Delta R.T. 0.00 min

Lab File: VN050502.D

Acq: 9 Aug 2018 22:52

Instrument :

MSVOA_N

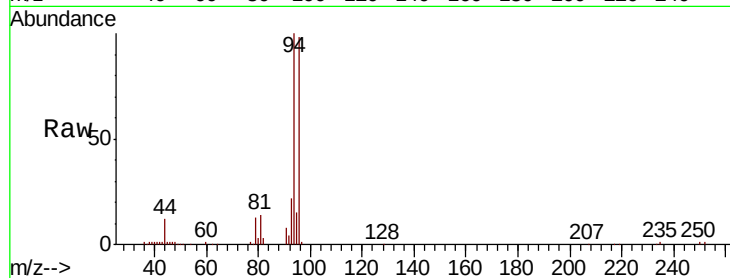
ClientSampled :

Tot Ion: 94 Resp: 110600

Ion Ratio Lower Upper

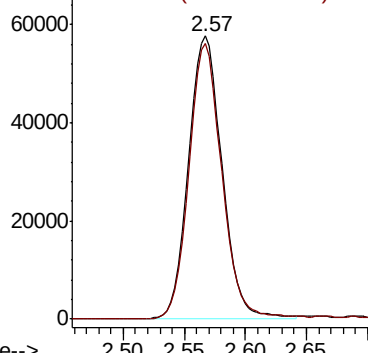
94 100

96 97.5 75.9 113.9

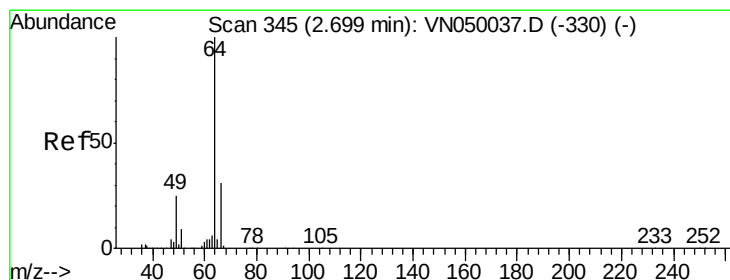
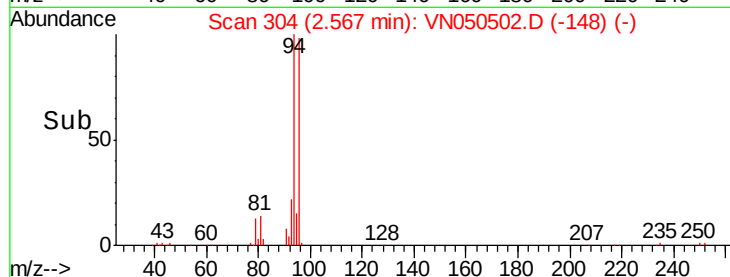


Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



Time-->



#6

Chloroethane

Concen: 19.28 ug/l

RT: 2.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VN050502.D

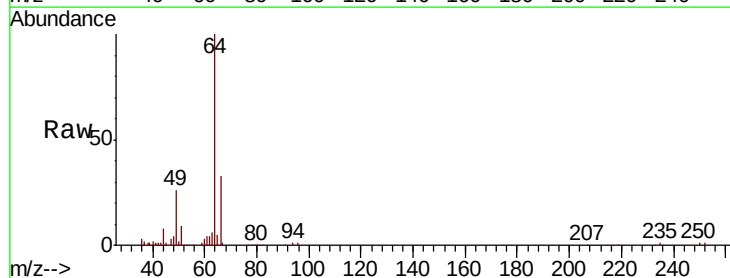
Acq: 9 Aug 2018 22:52

Tgt Ion: 64 Resp: 118198

Ion Ratio Lower Upper

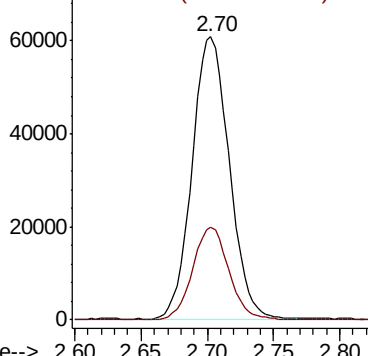
64 100

66 32.9 25.0 37.4

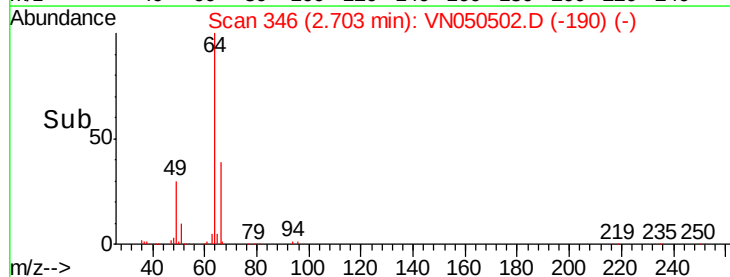


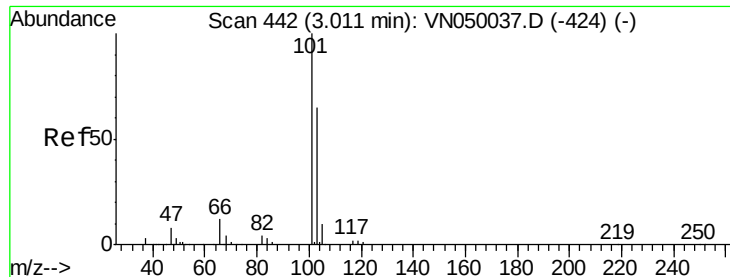
Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0



Time-->



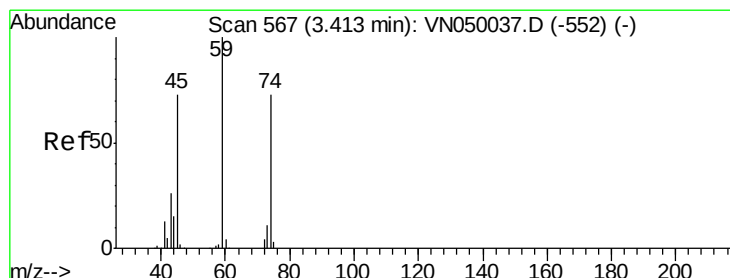
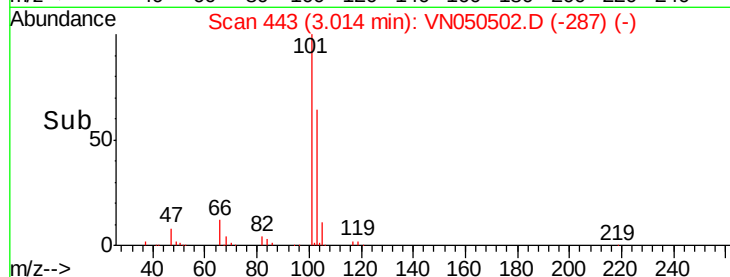
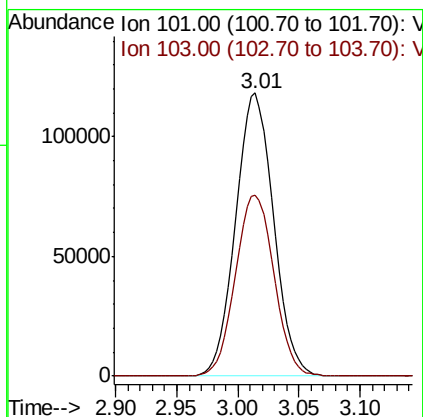
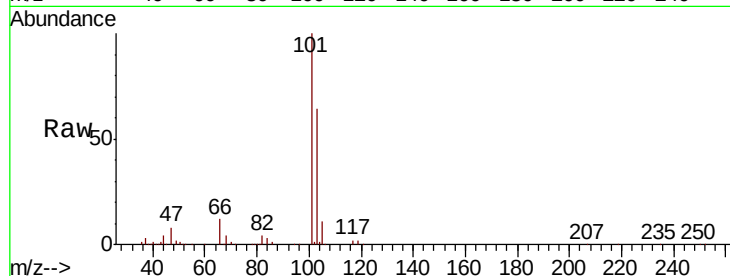


#7

Trichlorofluoromethane
 Concen: 18.82 ug/l
 RT: 3.01 min Scan# 443
 Delta R.T. 0.00 min
 Lab File: VN050502.D
 Acq: 9 Aug 2018 22:52

Instrument :
 MSVOA_N
 ClientSampled :

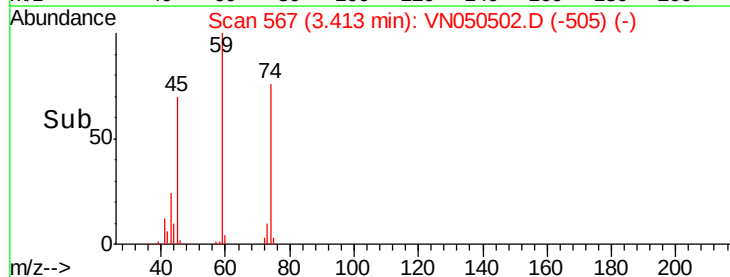
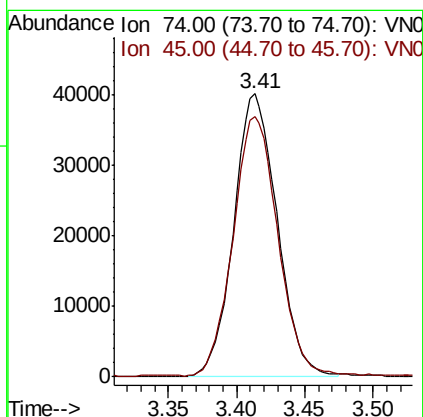
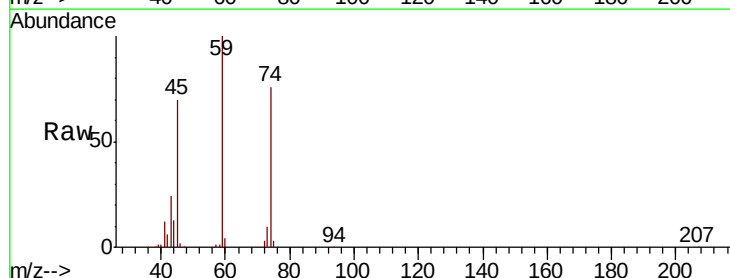
Tot Ion:101 Resp: 254930
 Ion Ratio Lower Upper
 101 100
 103 64.0 51.5 77.3

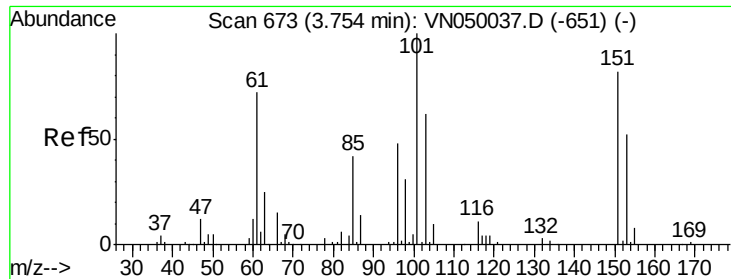


#8

Diethyl Ether
 Concen: 19.56 ug/l
 RT: 3.41 min Scan# 567
 Delta R.T. -0.00 min
 Lab File: VN050502.D
 Acq: 9 Aug 2018 22:52

Tgt Ion: 74 Resp: 88862
 Ion Ratio Lower Upper
 74 100
 45 94.4 18.7 167.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.20 ug/l

RT: 3.76 min Scan# 674

Delta R.T. 0.00 min

Lab File: VN050502.D

Acq: 9 Aug 2018 22:52

Instrument :

MSVOA_N

ClientSampled :

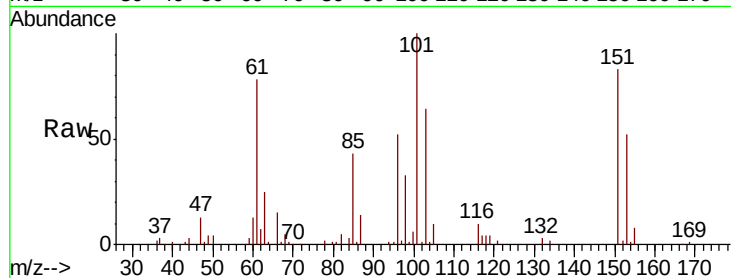
Tot Ion:101 Resp: 158225

Ion Ratio Lower Upper

101 100

85 42.5 0.0 83.0

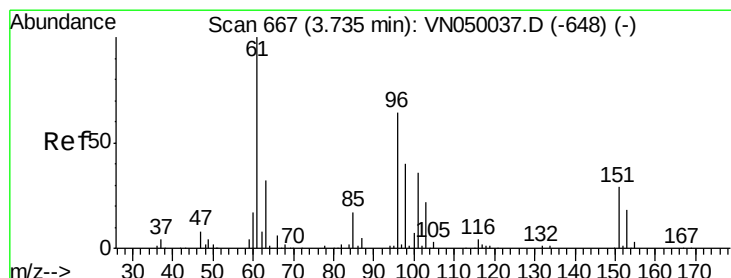
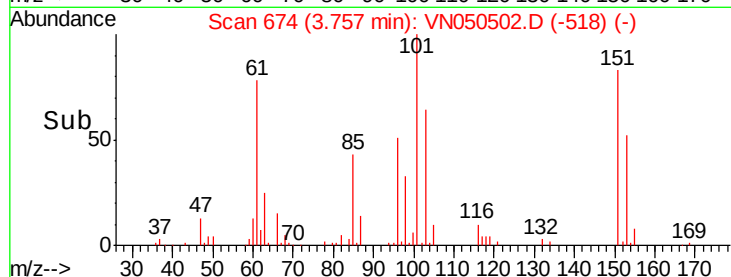
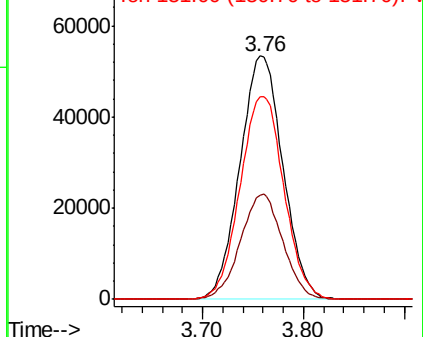
151 84.9 0.0 166.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 19.81 ug/l

RT: 3.74 min Scan# 668

Delta R.T. 0.00 min

Lab File: VN050502.D

Acq: 9 Aug 2018 22:52

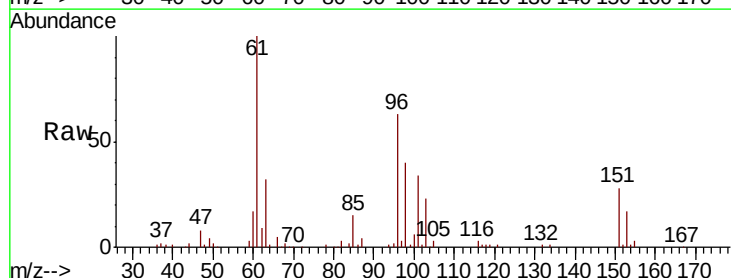
Tgt Ion: 96 Resp: 144780

Ion Ratio Lower Upper

96 100

61 159.2 130.6 195.8

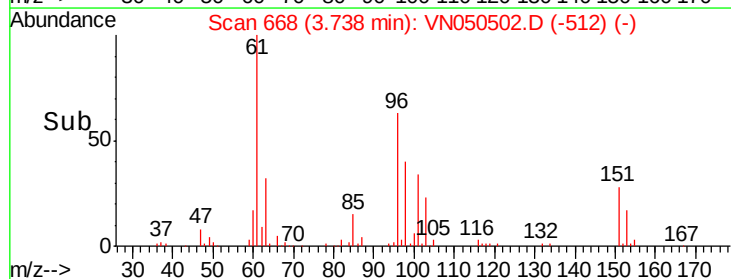
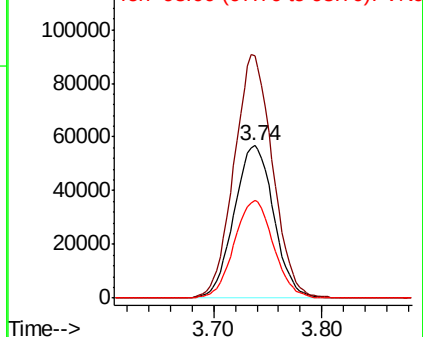
98 64.1 53.5 80.3

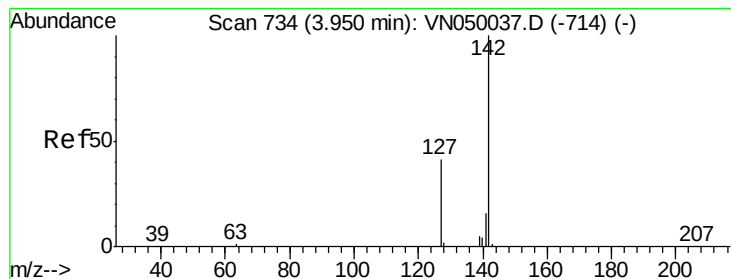


Abundance Ion 96.00 (95.70 to 96.70): VN

Ion 61.00 (60.70 to 61.70): VN

Ion 98.00 (97.70 to 98.70): VN





#11

Methyl Iodide

Concen: 7.05 ug/l

RT: 3.95 min Scan# 734

Delta R.T. -0.00 min

Lab File: VN050502.D

Acq: 9 Aug 2018 22:52

Instrument :
MSVOA_N
ClientSampled :

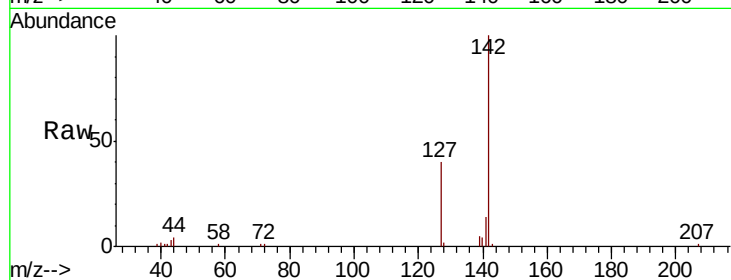
Tot Ion:142 Resp: 75775

Ion Ratio Lower Upper

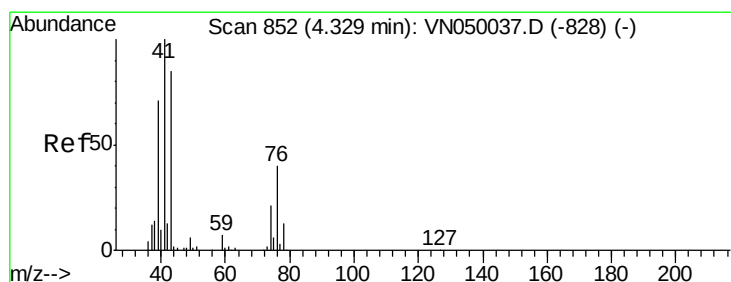
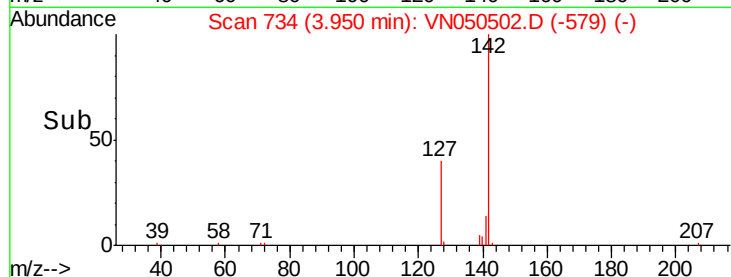
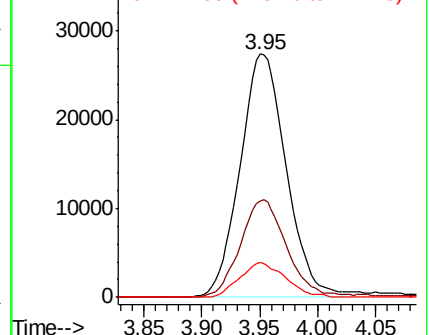
142 100

127 39.3 20.2 60.5

141 14.3 6.9 20.6



Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 141.00 (140.70 to 141.70): V



#12

Methyl Acetate

Concen: 15.83 ug/l

RT: 4.33 min Scan# 853

Delta R.T. 0.00 min

Lab File: VN050502.D

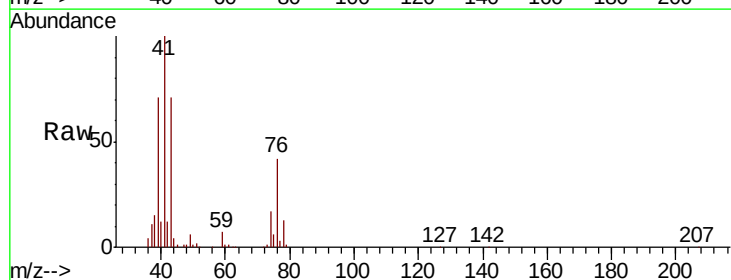
Acq: 9 Aug 2018 22:52

Tgt Ion: 43 Resp: 132504

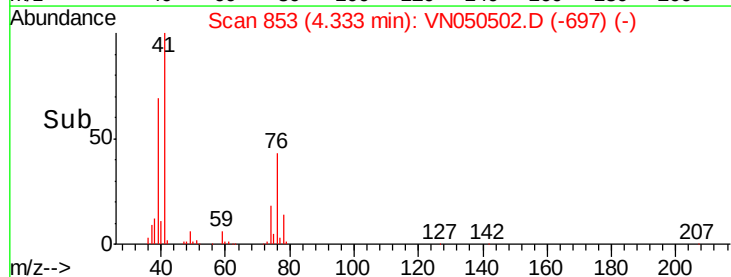
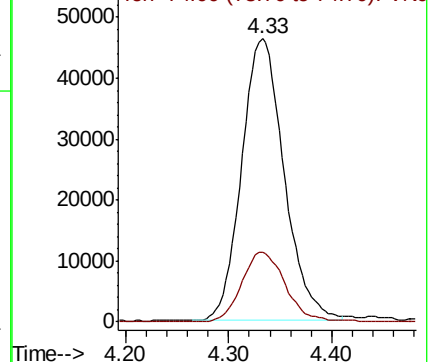
Ion Ratio Lower Upper

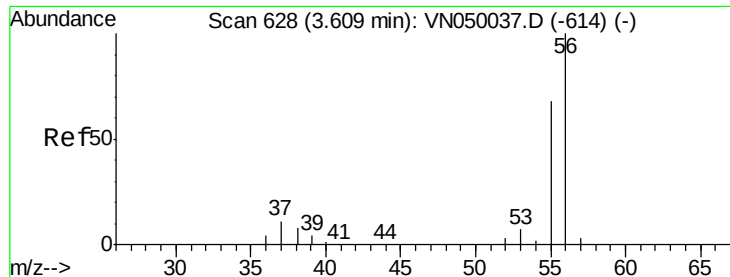
43 100

74 24.7 19.3 28.9



Abundance Ion 43.00 (42.70 to 43.70): V
Ion 74.00 (73.70 to 74.70): V





#13

Acrolein

Concen: 84.36 ug/l

RT: 3.61 min Scan# 629

Delta R.T. 0.00 min

Lab File: VN050502.D

Acq: 9 Aug 2018 22:52

Instrument :

MSVOA_N

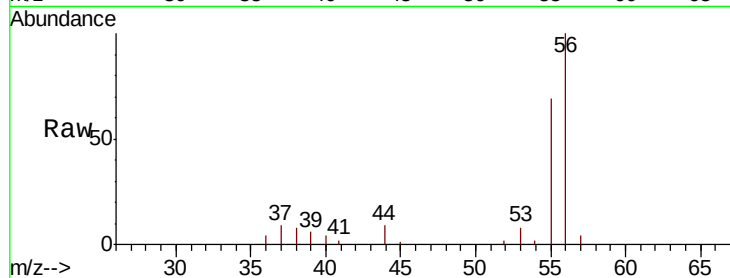
ClientSampleId :

Tot Ion: 56 Resp: 43638

Ion Ratio Lower Upper

56 100

55 71.2 58.6 88.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

20000

15000

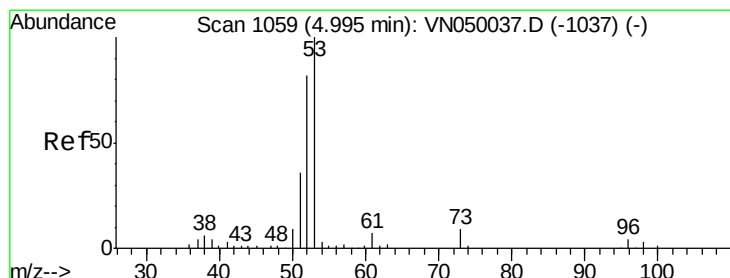
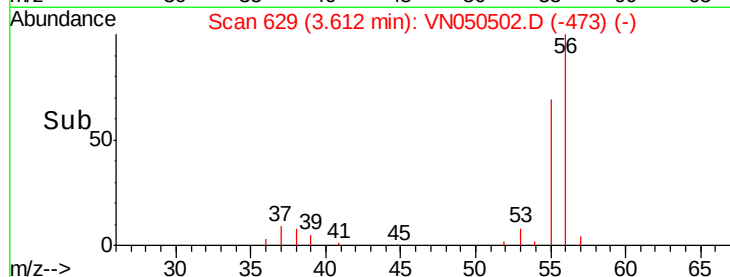
10000

5000

0

3.55 3.60 3.65 3.70

Time-->



#14

Acrylonitrile

Concen: 95.34 ug/l

RT: 5.00 min Scan# 1059

Delta R.T. -0.00 min

Lab File: VN050502.D

Acq: 9 Aug 2018 22:52

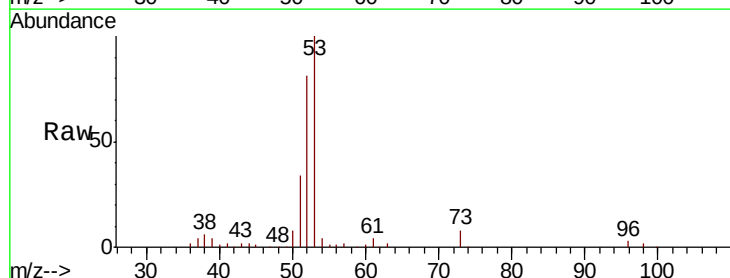
Tgt Ion: 53 Resp: 266276

Ion Ratio Lower Upper

53 100

52 80.5 41.5 124.5

51 36.4 18.7 56.1



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0

100000

80000

60000

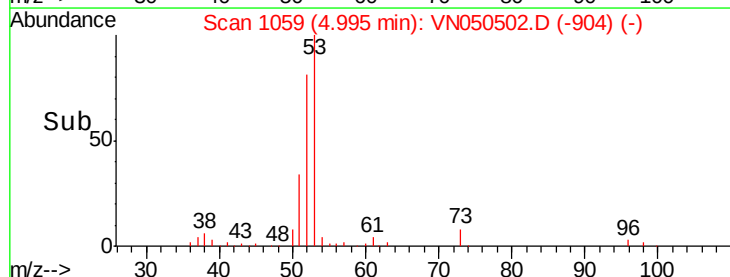
40000

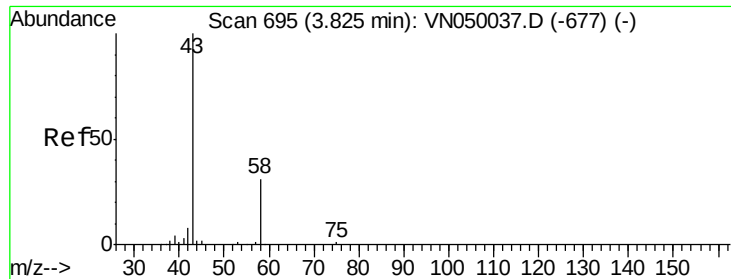
20000

0

4.90 5.00 5.10 5.20

Time-->





#15

Acetone

Concen: 103.83 ug/l

RT: 3.82 min Scan# 694

Delta R.T. -0.00 min

Lab File: VN050502.D

Acq: 9 Aug 2018 22:52

Instrument :

MSVOA_N

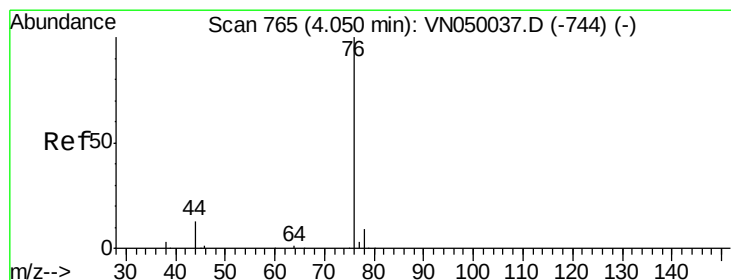
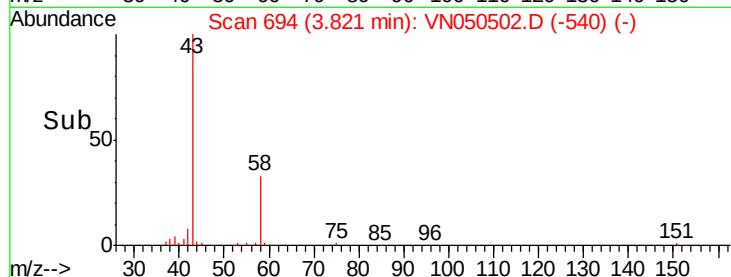
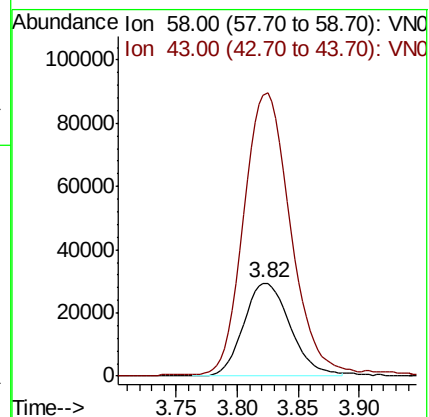
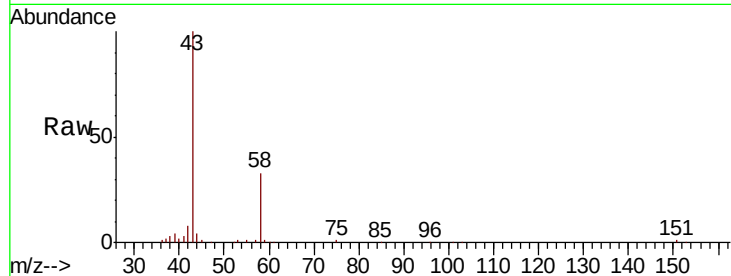
ClientSampled :

Tot Ion: 58 Resp: 77072

Ion Ratio Lower Upper

58 100

43 301.6 252.0 378.0



#16

Carbon Disulfide

Concen: 18.77 ug/l

RT: 4.05 min Scan# 766

Delta R.T. 0.00 min

Lab File: VN050502.D

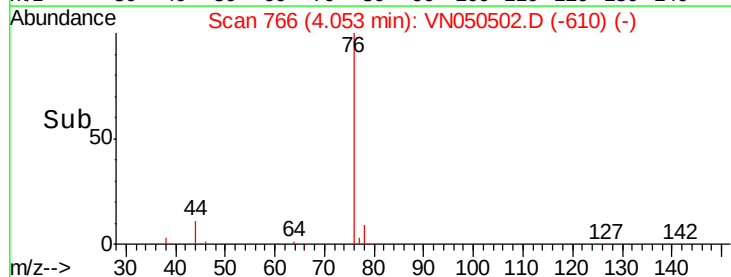
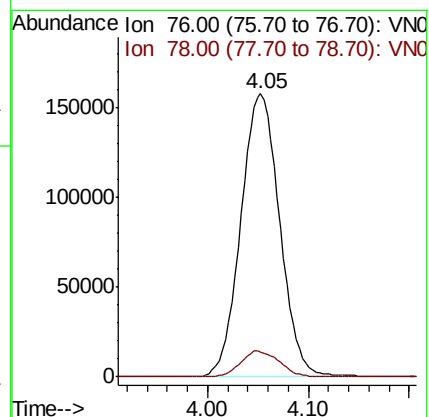
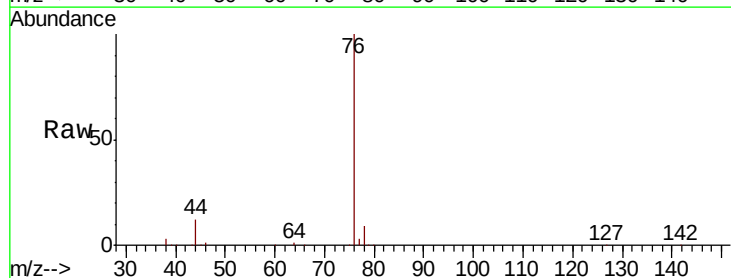
Acq: 9 Aug 2018 22:52

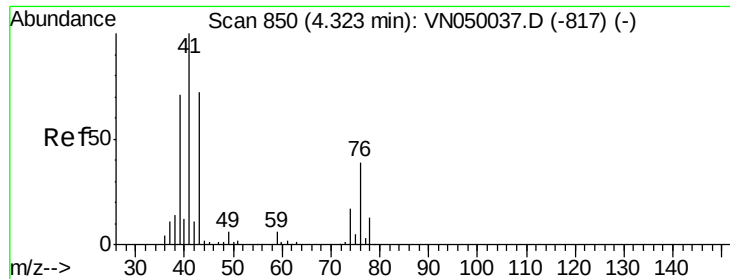
Tgt Ion: 76 Resp: 419716

Ion Ratio Lower Upper

76 100

78 8.9 7.3 10.9

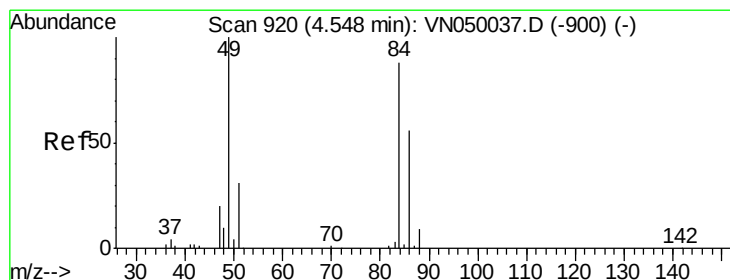
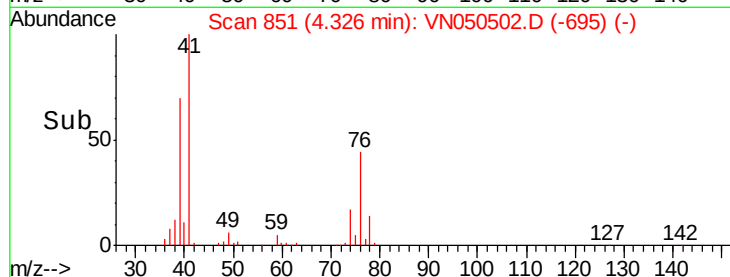
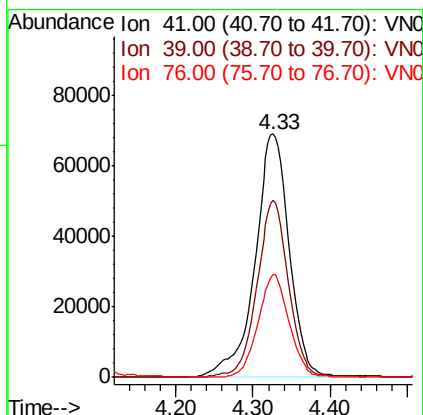
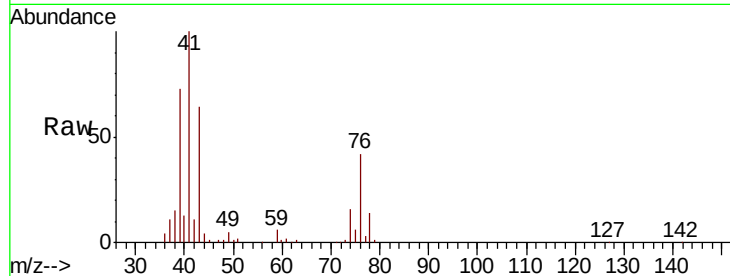




#17
Allvl chloride
Concen: 18.44 ug/l
RT: 4.33 min Scan# 851
Delta R.T. 0.00 min
Lab File: VN050502.D
Acq: 9 Aug 2018 22:52

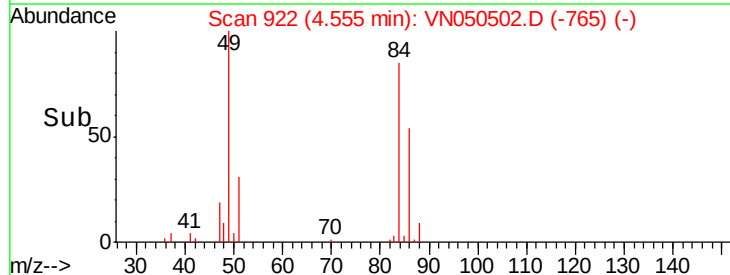
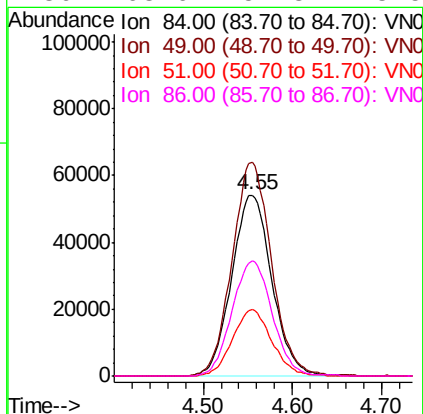
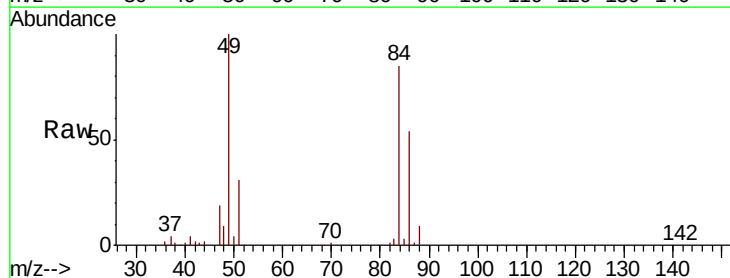
Instrument :
MSVOA_N
ClientSampleId :

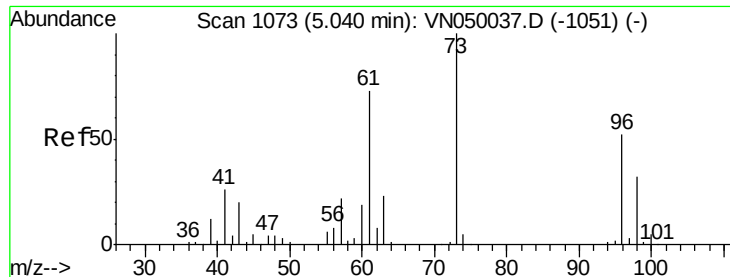
Tot Ion: 41 Resp: 212842
Ion Ratio Lower Upper
41 100
39 72.6 35.4 106.3
76 42.2 19.7 59.1



#18
Methylene Chloride
Concen: 20.11 ug/l
RT: 4.55 min Scan# 922
Delta R.T. 0.01 min
Lab File: VN050502.D
Acq: 9 Aug 2018 22:52

Tgt Ion: 84 Resp: 169544
Ion Ratio Lower Upper
84 100
49 118.1 95.1 142.7
51 36.8 28.8 43.2
86 63.6 52.3 78.5

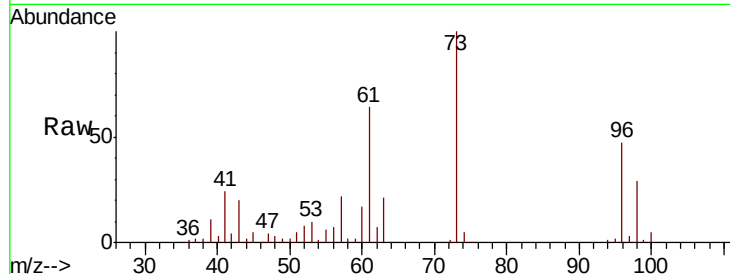




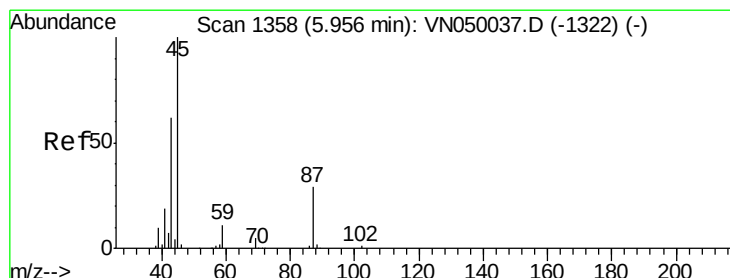
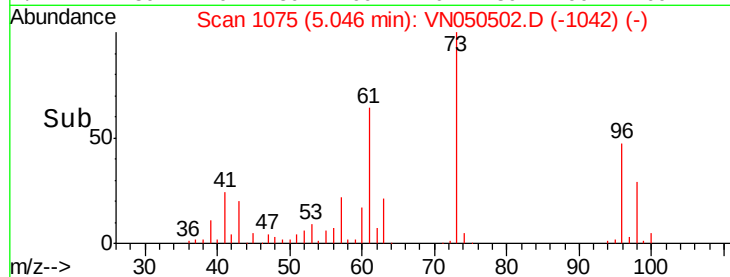
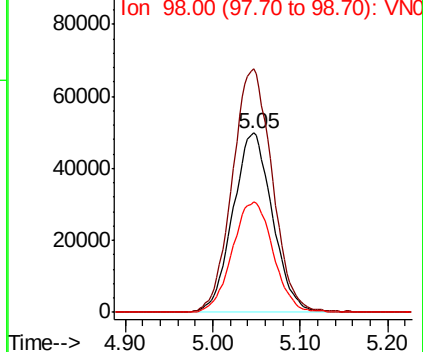
#19
trans-1,2-Dichloroethene
Concen: 20.05 ug/l
RT: 5.05 min Scan# 1075
Delta R.T. 0.01 min
Lab File: VN050502.D
Acq: 9 Aug 2018 22:52

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 96 Resp: 156850
Ion Ratio Lower Upper
96 100
61 135.9 112.1 168.1
98 61.5 51.3 76.9

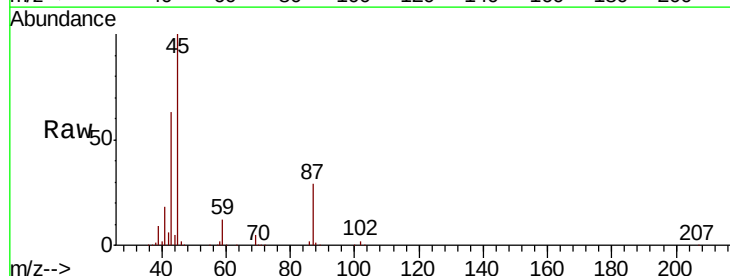


Abundance Ion 96.00 (95.70 to 96.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

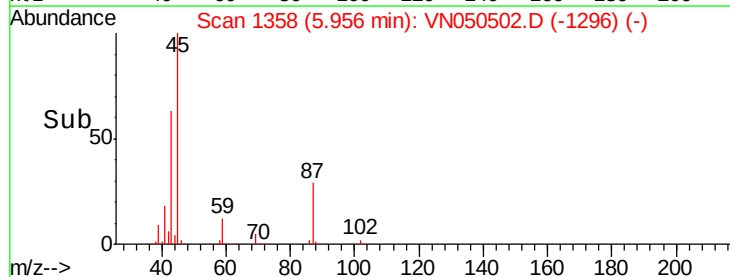
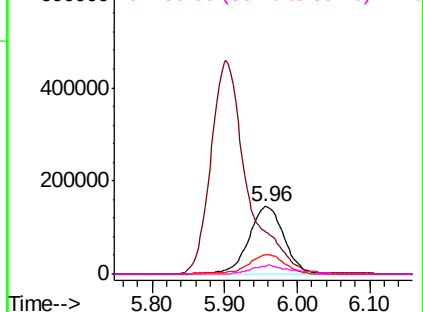


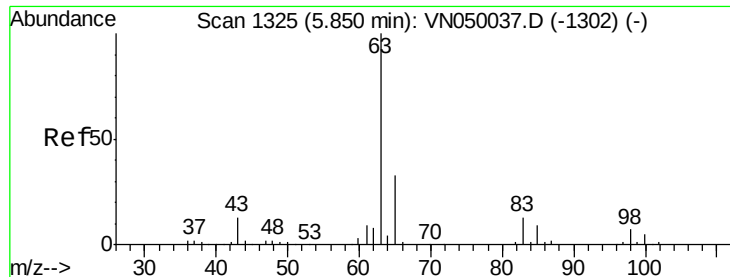
#20
Diisopropyl ether
Concen: 20.65 ug/l
RT: 5.96 min Scan# 1358
Delta R.T. -0.00 min
Lab File: VN050502.D
Acq: 9 Aug 2018 22:52

Tgt Ion: 45 Resp: 488702
Ion Ratio Lower Upper
45 100
43 60.9 46.6 70.0
87 28.8 22.3 33.5
59 12.0 9.5 14.3



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





#21

1,1-Dichloroethane

Concen: 20.11 ug/l

RT: 5.85 min Scan# 1326

Delta R.T. 0.00 min

Lab File: VN050502.D

Acq: 9 Aug 2018 22:52

Instrument :
MSVOA_N
ClientSampleId :

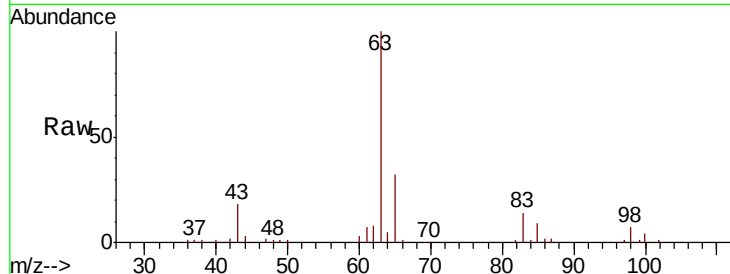
Tot Ion: 63 Resp: 299185

Ion Ratio Lower Upper

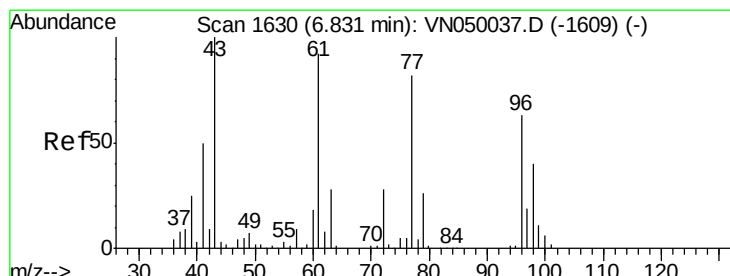
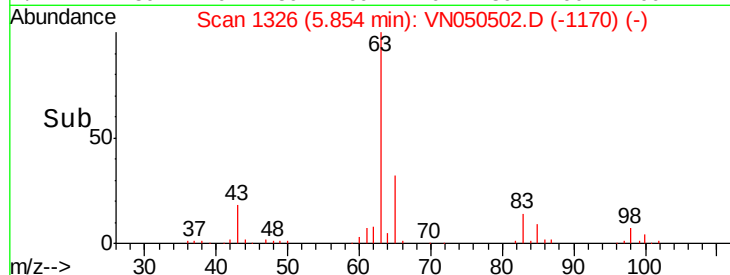
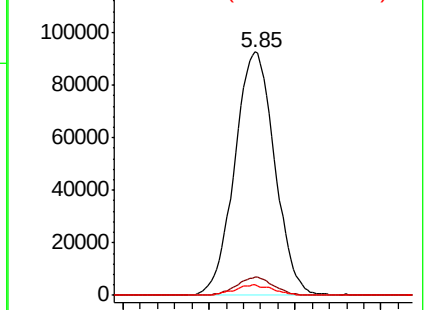
63 100

98 7.4 3.5 10.6

100 4.4 2.3 6.8



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



#22

cis-1,2-Dichloroethene

Concen: 20.58 ug/l

RT: 6.83 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VN050502.D

Acq: 9 Aug 2018 22:52

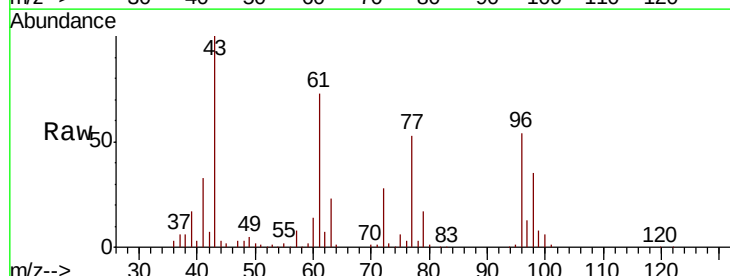
Tgt Ion: 96 Resp: 178539

Ion Ratio Lower Upper

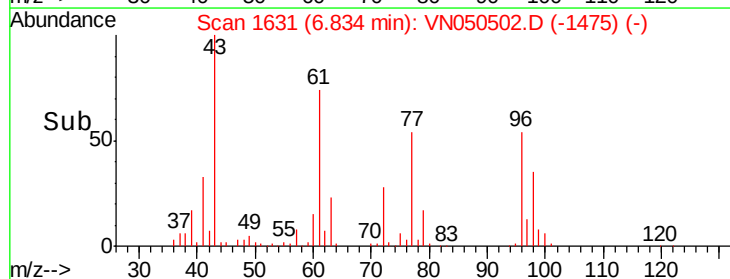
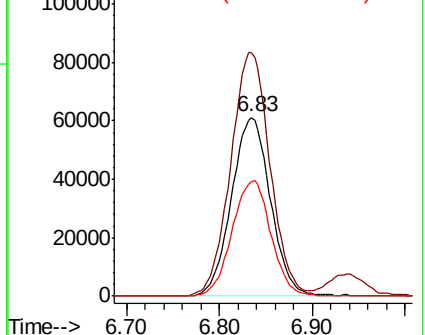
96 100

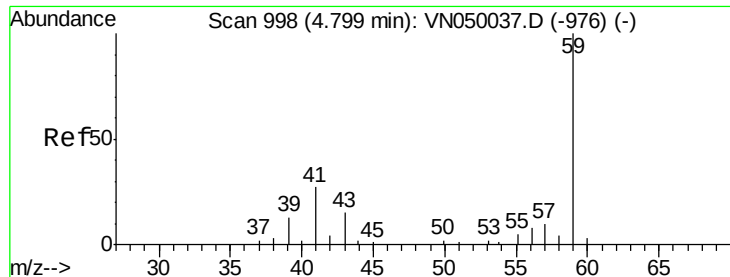
61 137.3 114.2 171.2

98 64.6 51.7 77.5



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

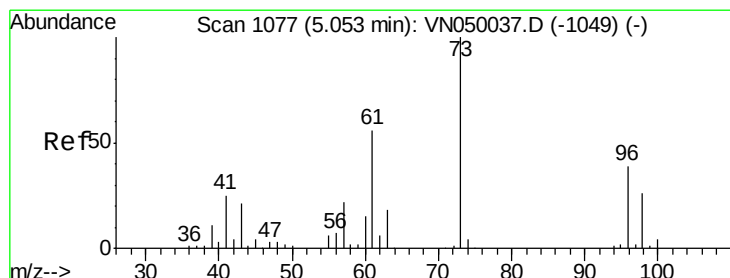
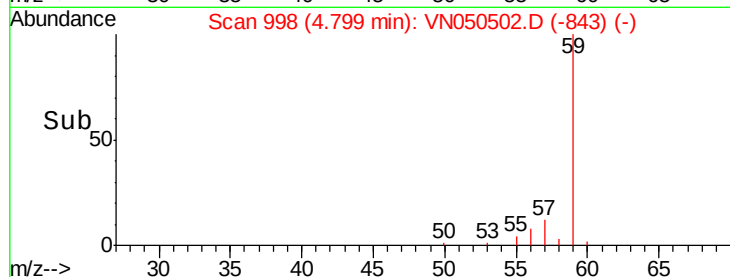
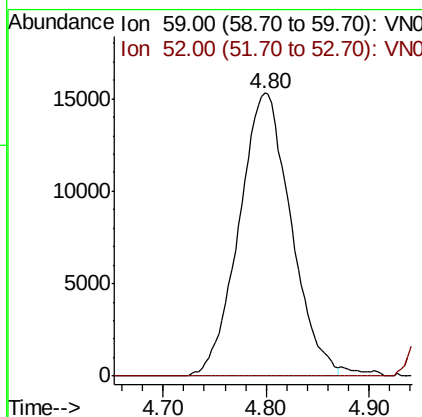
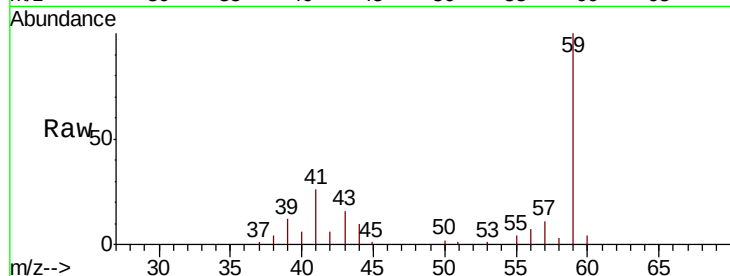




#23
 tert-Butyl Alcohol
 Concen: 85.65 ug/l
 RT: 4.80 min Scan# 998
 Delta R.T. -0.00 min
 Lab File: VN050502.D
 Acq: 9 Aug 2018 22:52

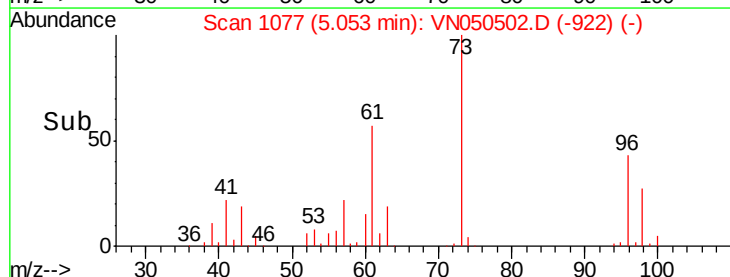
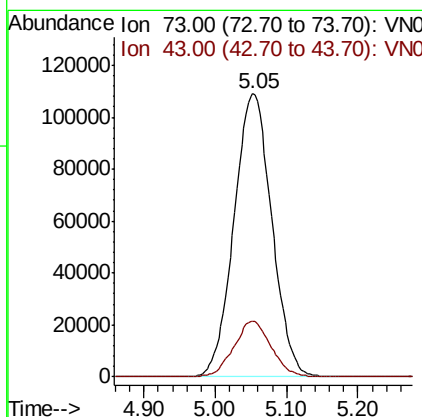
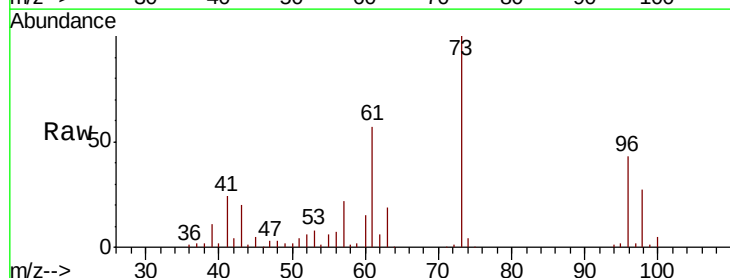
Instrument :
 MSVOA_N
 ClientSampled :

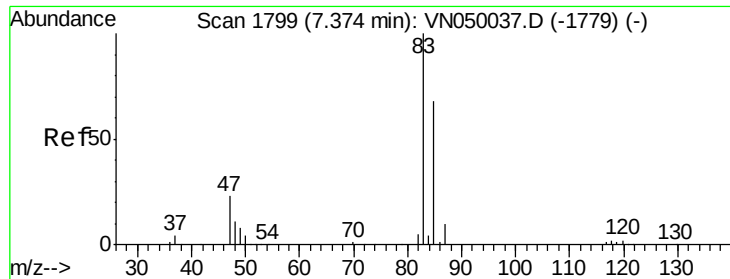
Tot Ion: 59 Resp: 53453
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.1 0.1#



#24
 Methyl tert-Butyl Ether
 Concen: 20.19 ug/l
 RT: 5.05 min Scan# 1077
 Delta R.T. -0.00 min
 Lab File: VN050502.D
 Acq: 9 Aug 2018 22:52

Tgt Ion: 73 Resp: 402378
 Ion Ratio Lower Upper
 73 100
 43 19.1 15.5 23.3

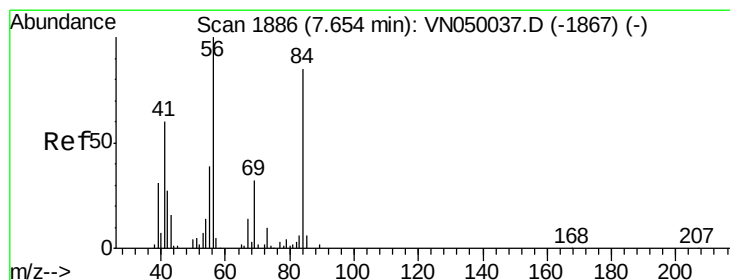
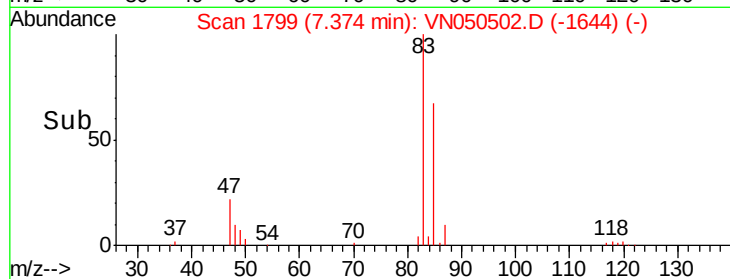
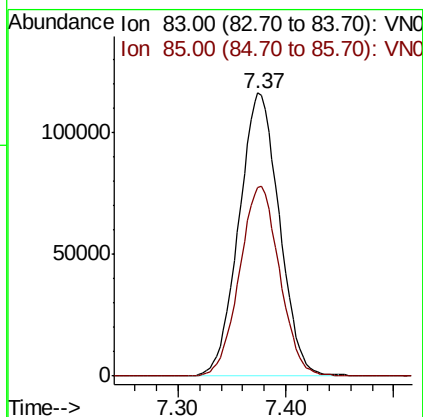
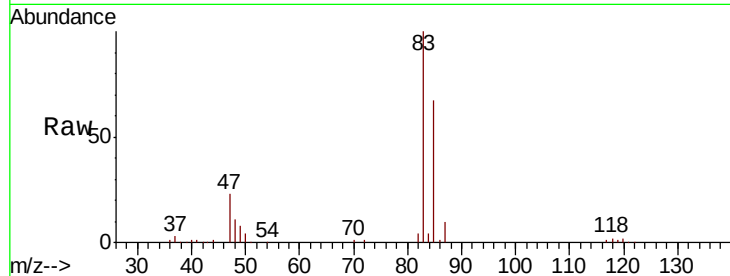




#25
Chloroform
Concen: 20.09 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. -0.00 min
Lab File: VN050502.D
Acq: 9 Aug 2018 22:52

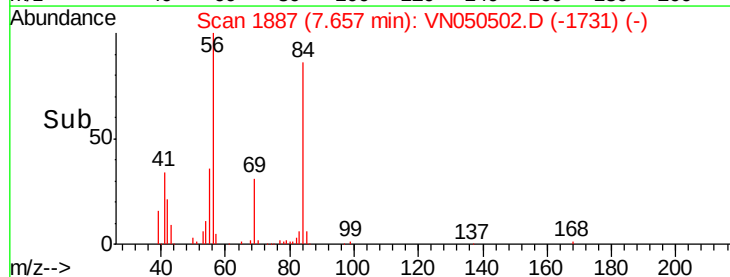
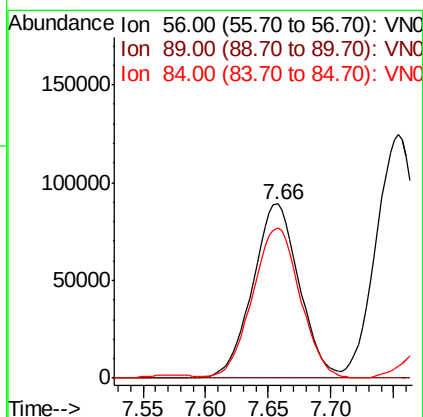
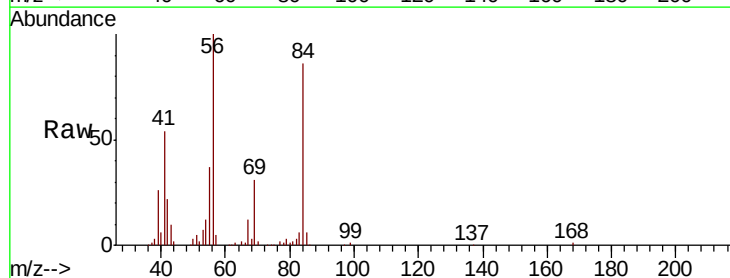
Instrument :
MSVOA_N
ClientSampleId :

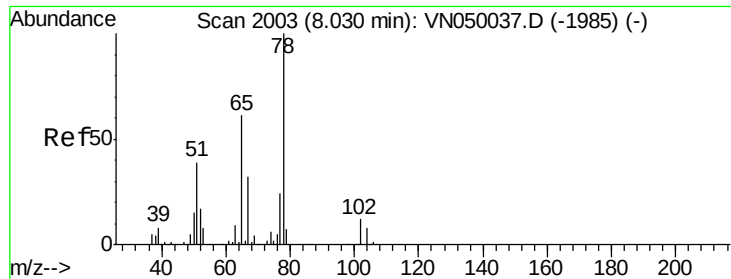
Tot Ion: 83 Resp: 302559
Ion Ratio Lower Upper
83 100
85 66.7 52.1 78.1



#26
Cyclohexane
Concen: 19.47 ug/l
RT: 7.66 min Scan# 1887
Delta R.T. 0.00 min
Lab File: VN050502.D
Acq: 9 Aug 2018 22:52

Tgt Ion: 56 Resp: 230199
Ion Ratio Lower Upper
56 100
89 0.0 3.0 4.4#
84 87.3 69.8 104.8

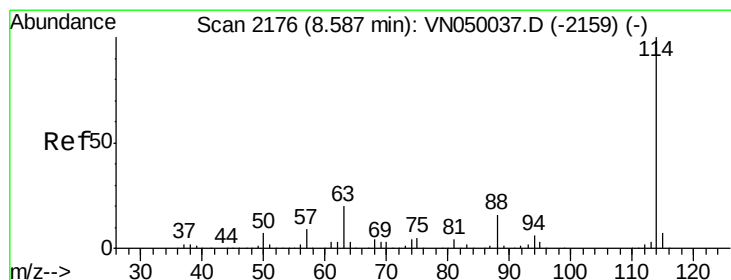
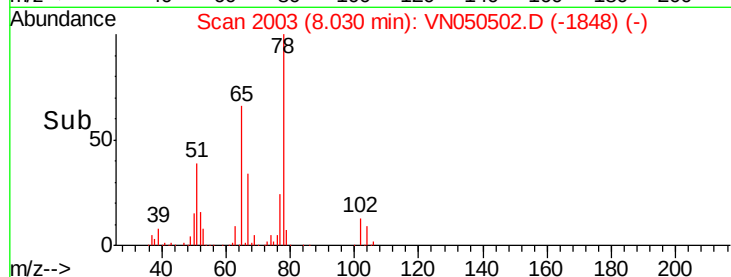
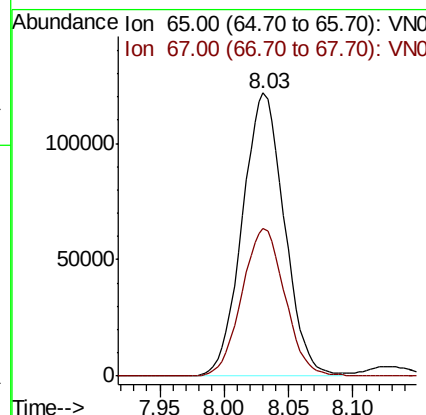
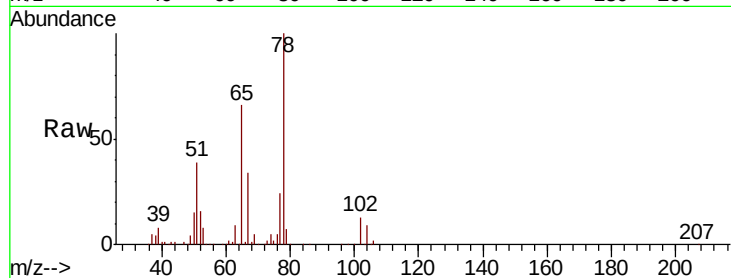




#27
 1,2-Dichloroethane-d4
 Concen: 29.67 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. -0.00 min
 Lab File: VN050502.D
 Acq: 9 Aug 2018 22:52

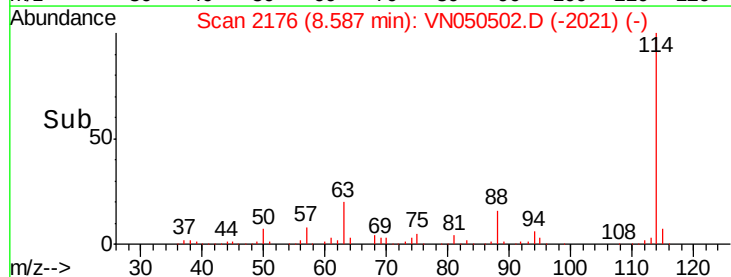
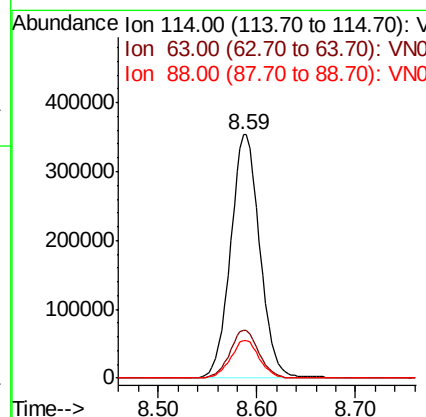
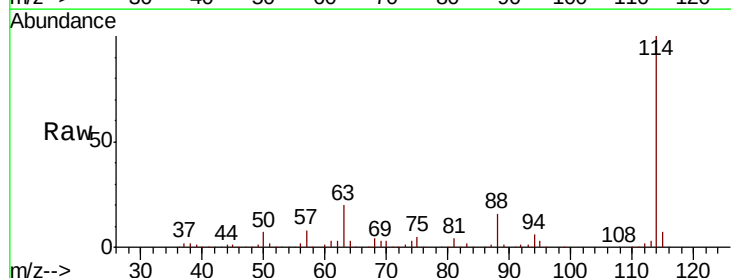
Instrument :
 MSVOA_N
 ClientSampled :

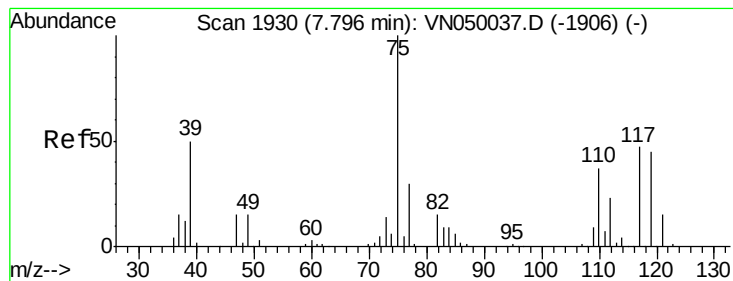
Tot Ion: 65 Resp: 276435
 Ion Ratio Lower Upper
 65 100
 67 53.4 42.7 64.1



#28
 1,4-Difluorobenzene
 Concen: 30.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN050502.D
 Acq: 9 Aug 2018 22:52

Tgt Ion: 114 Resp: 731916
 Ion Ratio Lower Upper
 114 100
 63 19.7 16.2 24.2
 88 15.3 12.3 18.5





#29

1,1-Dichloropropene

Concen: 19.40 ug/l

RT: 7.80 min Scan# 1930

Delta R.T. -0.00 min

Lab File: VN050502.D

Acq: 9 Aug 2018 22:52

Instrument :

MSVOA_N

ClientSampled :

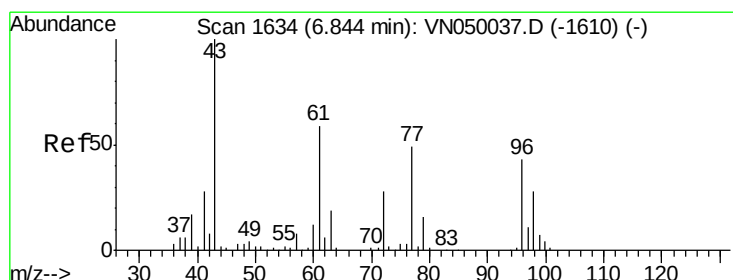
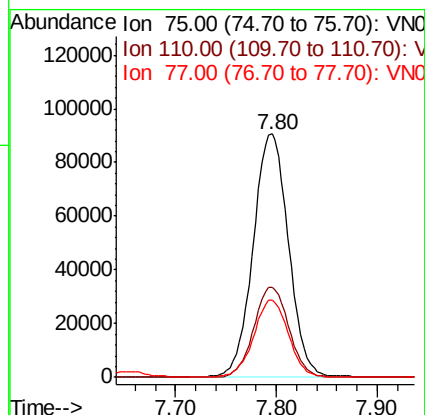
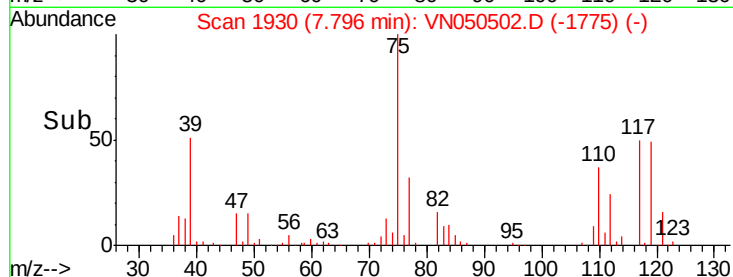
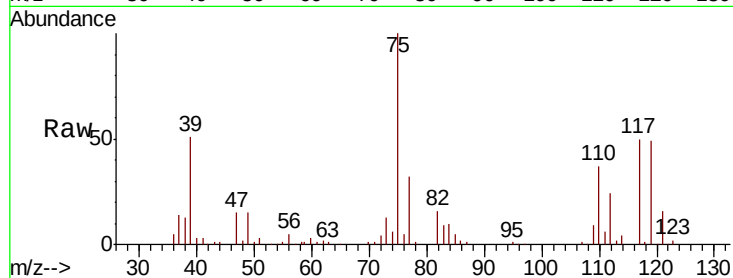
Tot Ion: 75 Resp: 220366

Ion Ratio Lower Upper

75 100

110 36.7 0.0 73.2

77 30.9 0.0 62.0



#30

2-Butanone

Concen: 103.76 ug/l

RT: 6.84 min Scan# 1634

Delta R.T. -0.00 min

Lab File: VN050502.D

Acq: 9 Aug 2018 22:52

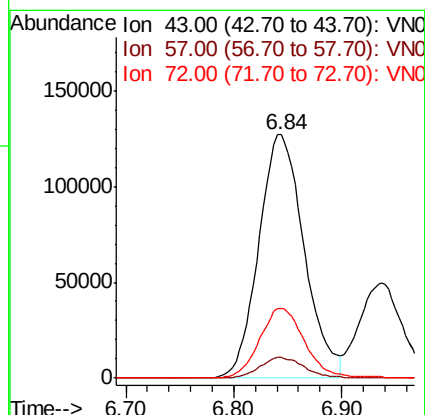
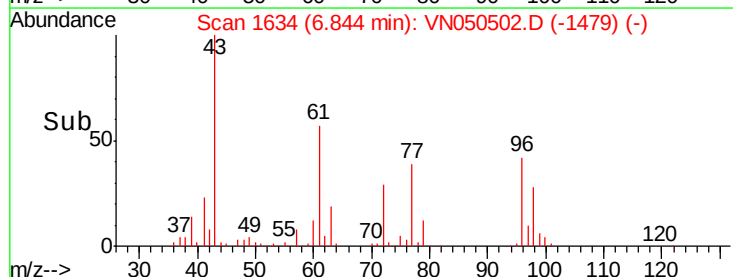
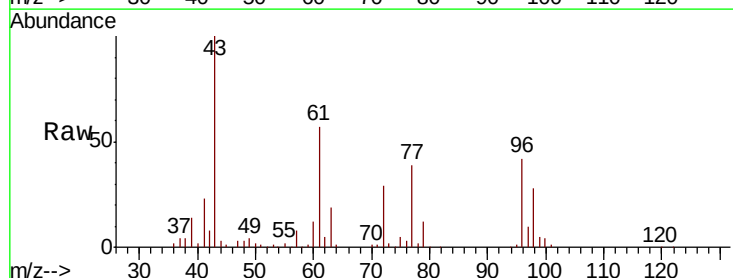
Tgt Ion: 43 Resp: 369835

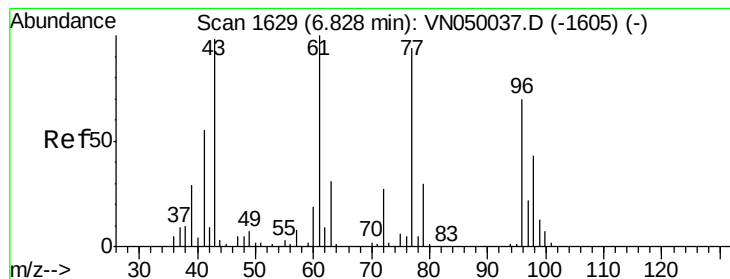
Ion Ratio Lower Upper

43 100

57 8.3 6.8 10.2

72 28.5 21.4 32.0





#31

2,2-Dichloropropane

Concen: 16.08 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. -0.00 min

Lab File: VN050502.D

Acq: 9 Aug 2018 22:52

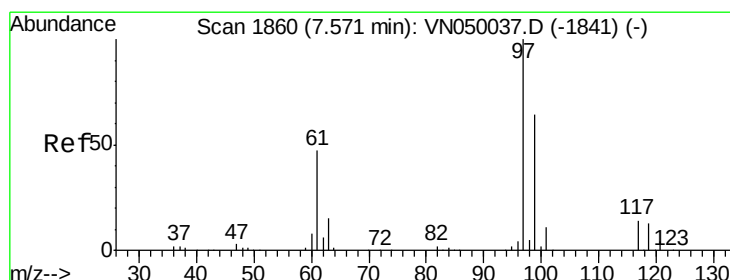
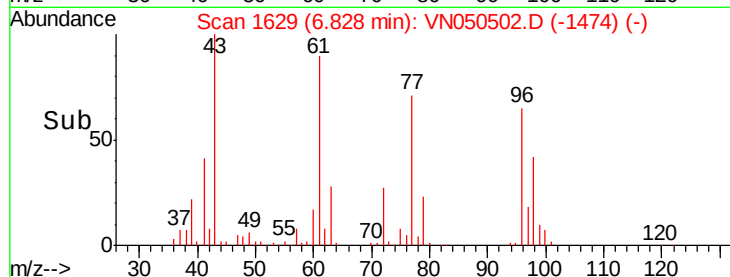
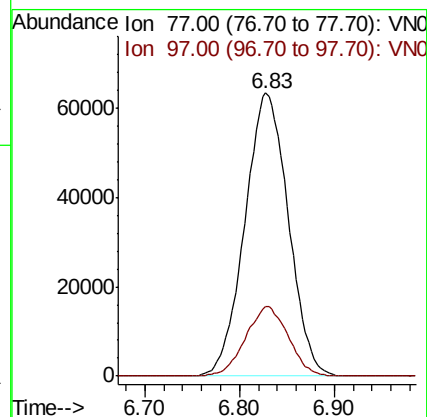
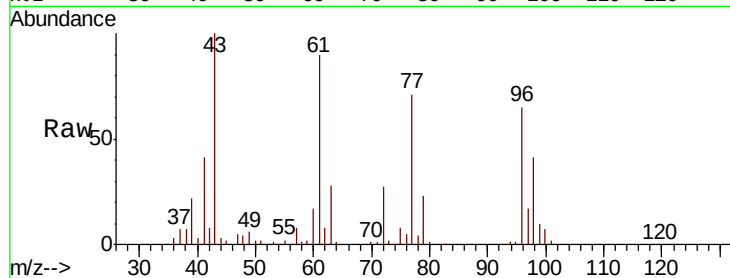
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 77 Resp: 201914

Ion Ratio Lower Upper

77 100

97 24.1 18.9 28.3



#32

1,1,1-Trichloroethane

Concen: 19.35 ug/l

RT: 7.57 min Scan# 1861

Delta R.T. 0.00 min

Lab File: VN050502.D

Acq: 9 Aug 2018 22:52

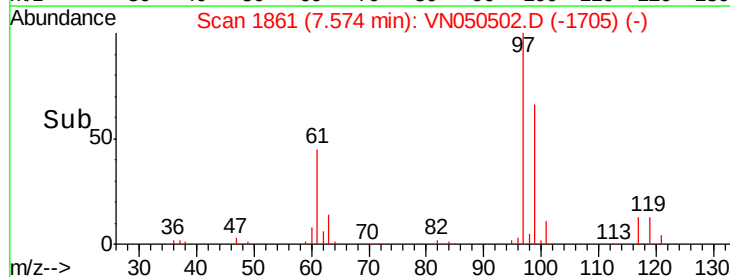
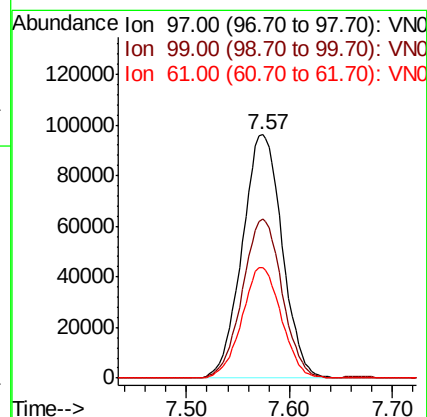
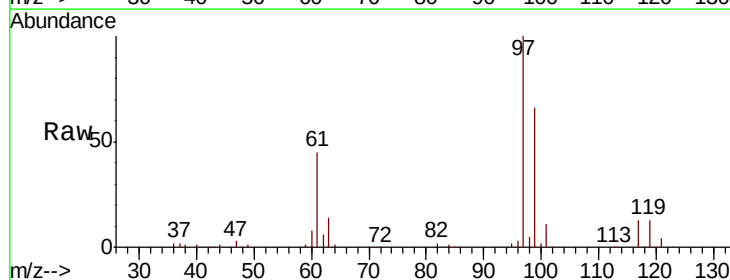
Tgt Ion: 97 Resp: 258763

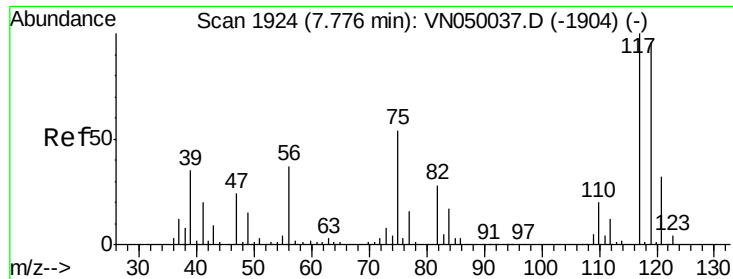
Ion Ratio Lower Upper

97 100

99 64.9 51.2 76.8

61 44.9 35.3 52.9





#33

Carbon Tetrachloride

Concen: 19.04 ug/l

RT: 7.78 min Scan# 1924

Delta R.T. -0.00 min

Lab File: VN050502.D

Acq: 9 Aug 2018 22:52

Instrument :
MSVOA_N
ClientSampled :

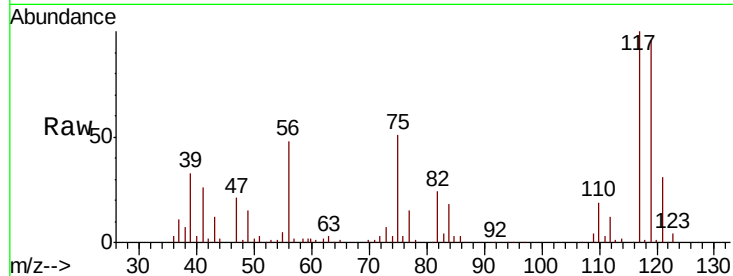
Tot Ion:117 Resp: 226888

Ion Ratio Lower Upper

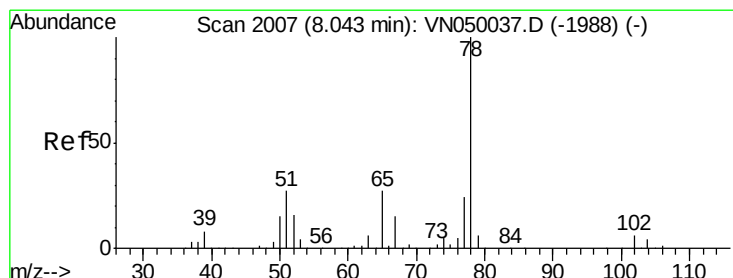
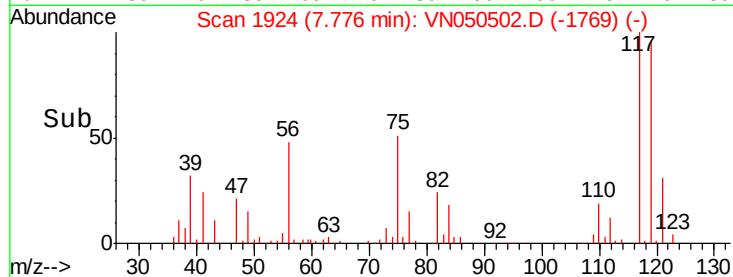
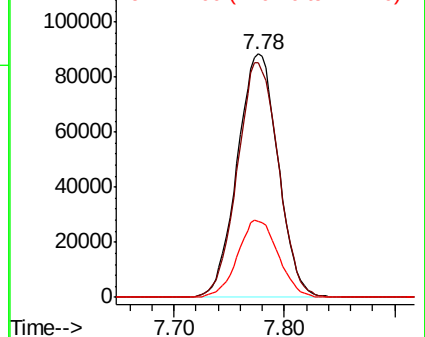
117 100

119 96.2 76.9 115.3

121 31.4 24.4 36.6



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V



#34

Benzene

Concen: 19.60 ug/l

RT: 8.05 min Scan# 2008

Delta R.T. 0.00 min

Lab File: VN050502.D

Acq: 9 Aug 2018 22:52

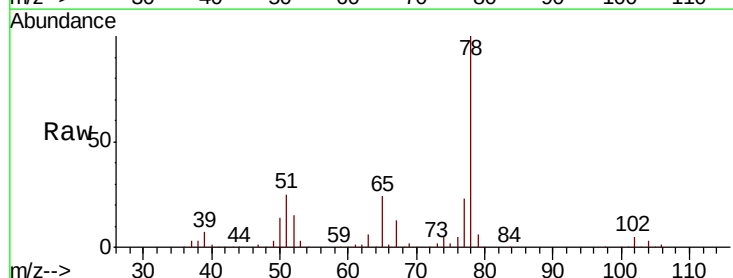
Tgt Ion: 78 Resp: 676084

Ion Ratio Lower Upper

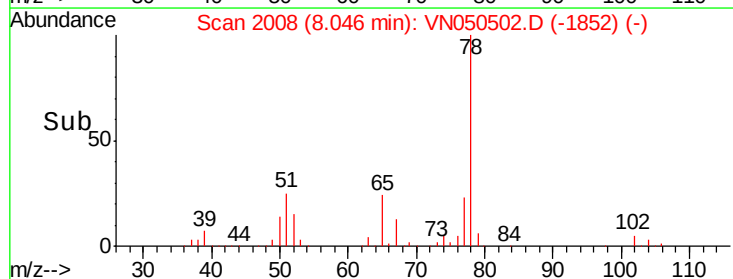
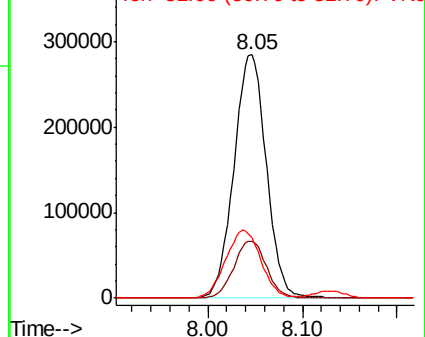
78 100

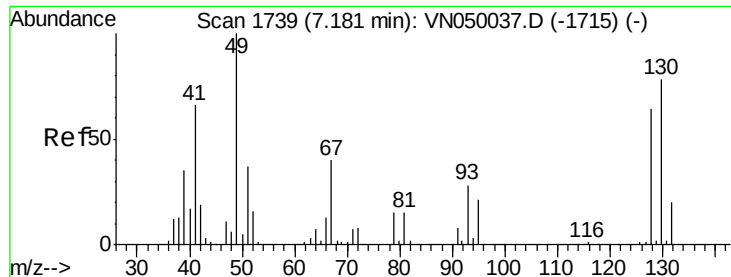
77 23.4 19.1 28.7

51 24.5 21.0 31.4



Abundance Ion 78.10 (77.80 to 78.80): V
Ion 77.00 (76.70 to 77.70): V
Ion 51.00 (50.70 to 51.70): V

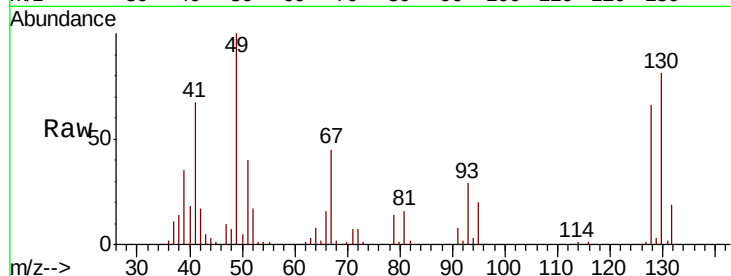




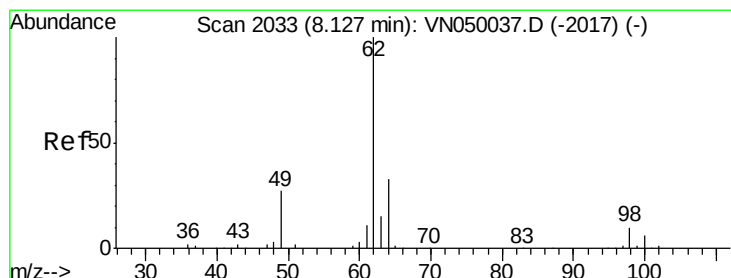
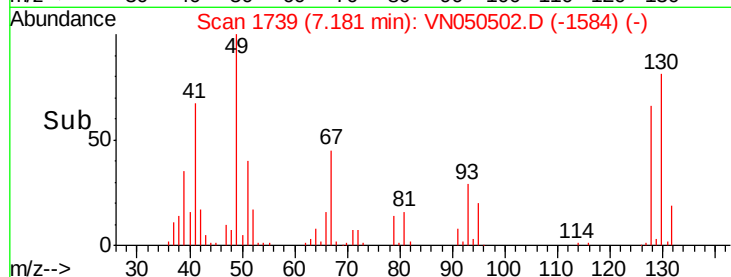
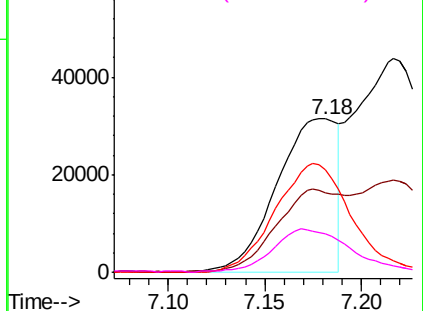
#35
Methacrylonitrile
Concen: 16.94 ug/l
RT: 7.18 min Scan# 1739
Delta R.T. -0.00 min
Lab File: VN050502.D
Acq: 9 Aug 2018 22:52

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 41 Resp: 68730
Ion Ratio Lower Upper
41 100
39 51.4 27.6 82.7
67 66.6 35.1 105.5
52 24.9 14.1 42.4

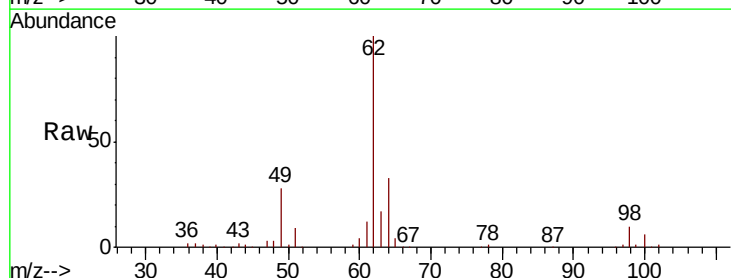


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

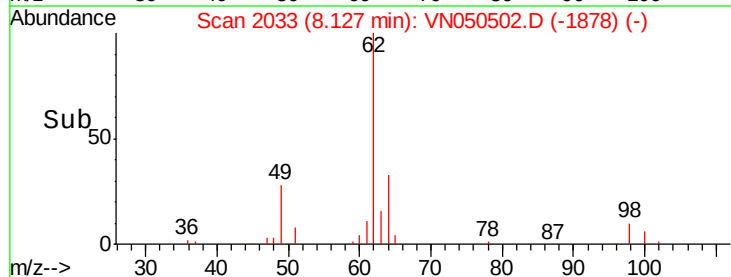
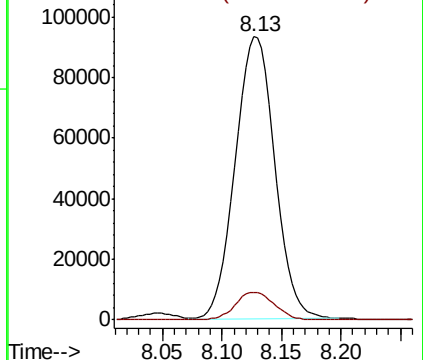


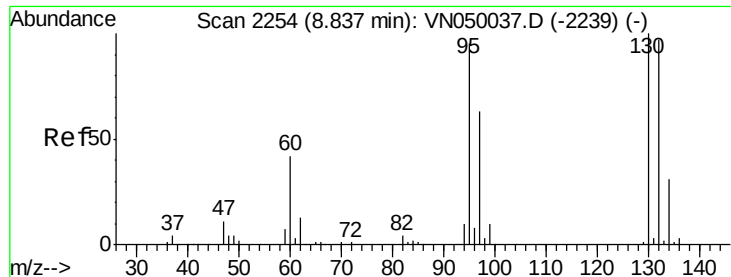
#36
1,2-Dichloroethane
Concen: 19.02 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. -0.00 min
Lab File: VN050502.D
Acq: 9 Aug 2018 22:52

Tgt Ion: 62 Resp: 215400
Ion Ratio Lower Upper
62 100
98 9.6 7.8 11.6



Abundance Ion 62.00 (61.70 to 62.70): VNC
Ion 98.00 (97.70 to 98.70): VNC

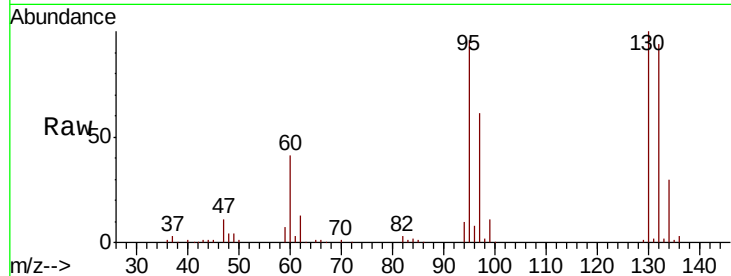




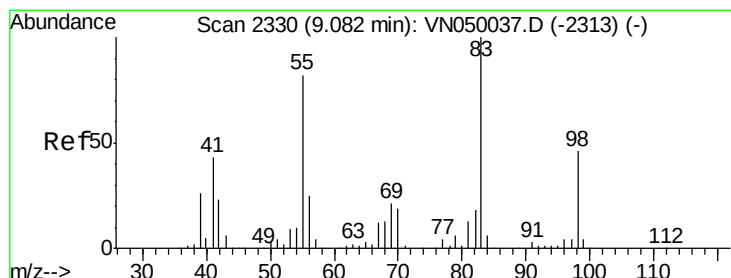
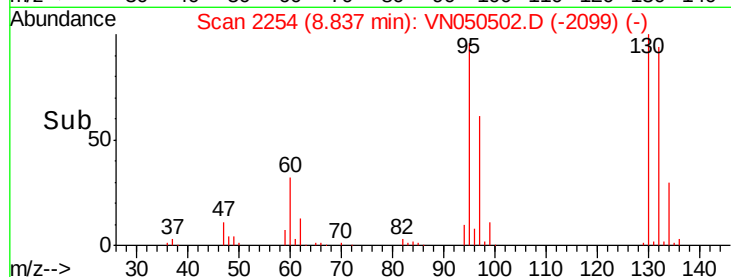
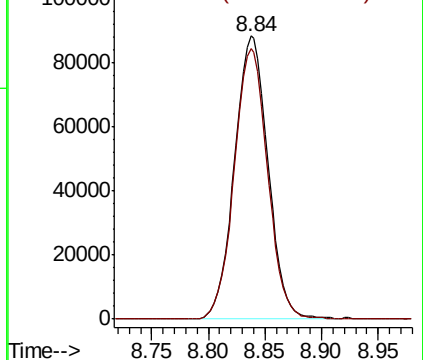
#37
 Trichloroethene
 Concen: 20.15 ug/l
 RT: 8.84 min Scan# 2254
 Delta R.T. -0.00 min
 Lab File: VN050502.D
 Acq: 9 Aug 2018 22:52

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:130 Resp: 182334
 Ion Ratio Lower Upper
 130 100
 95 95.7 79.7 119.5

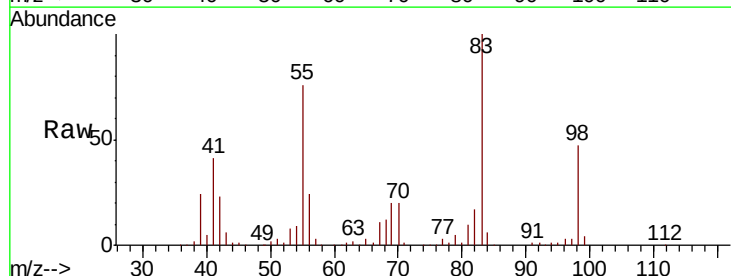


Abundance Ion 129.90 (129.60 to 130.60): VN050037.D (-2239) (-)
 Ion 94.90 (94.60 to 95.60): VN050037.D (-2239) (-)

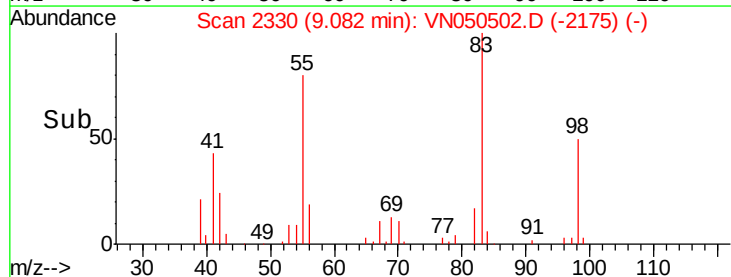
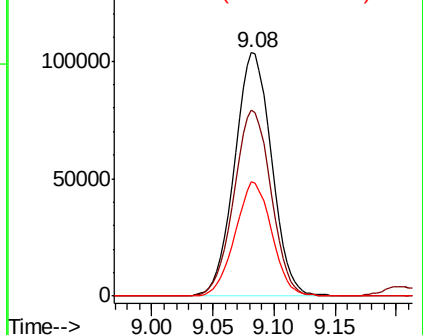


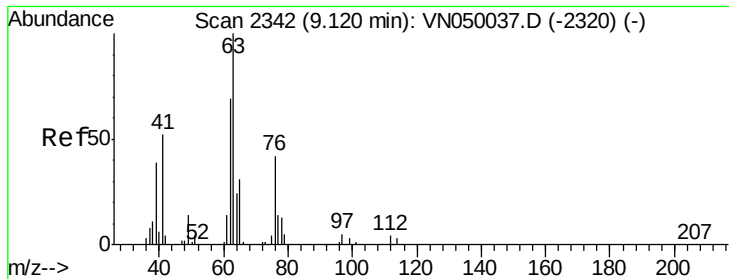
#38
 Methylcyclohexane
 Concen: 18.19 ug/l
 RT: 9.08 min Scan# 2330
 Delta R.T. -0.00 min
 Lab File: VN050502.D
 Acq: 9 Aug 2018 22:52

Tgt Ion: 83 Resp: 217840
 Ion Ratio Lower Upper
 83 100
 55 76.7 39.3 117.8
 98 46.4 23.0 69.0



Abundance Ion 83.00 (82.70 to 83.70): VN050037.D (-2313) (-)
 Ion 55.00 (54.70 to 55.70): VN050037.D (-2313) (-)
 Ion 98.00 (97.70 to 98.70): VN050037.D (-2313) (-)





#39

1,2-Dichloropropane

Concen: 19.81 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. -0.00 min

Lab File: VN050502.D

Acq: 9 Aug 2018 22:52

Instrument :

MSVOA_N

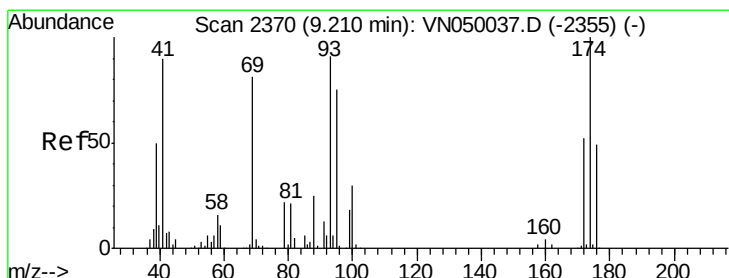
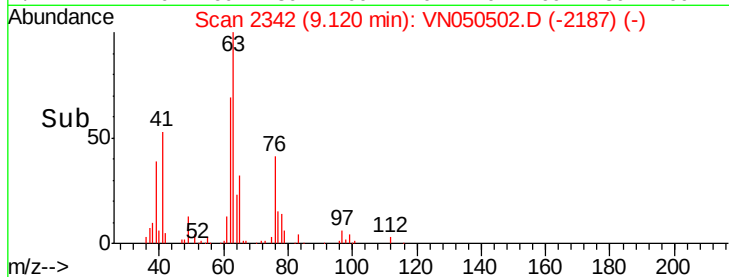
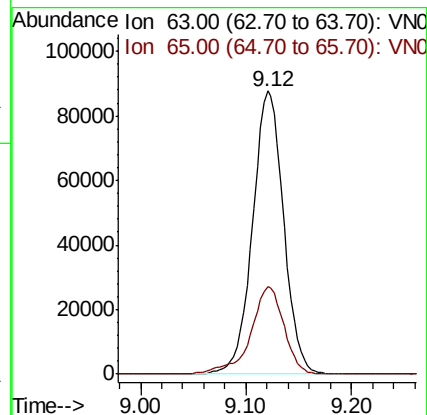
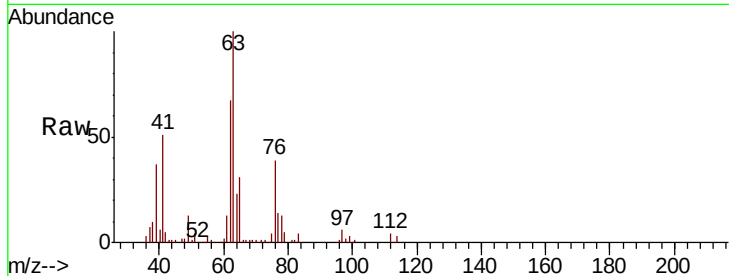
ClientSampled :

Tot Ion: 63 Resp: 180050

Ion Ratio Lower Upper

63 100

65 30.8 24.2 36.2



#40

Dibromomethane

Concen: 19.24 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VN050502.D

Acq: 9 Aug 2018 22:52

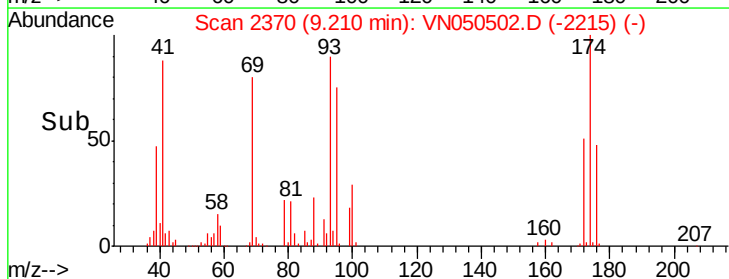
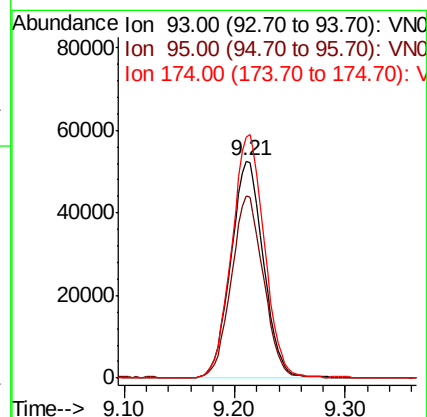
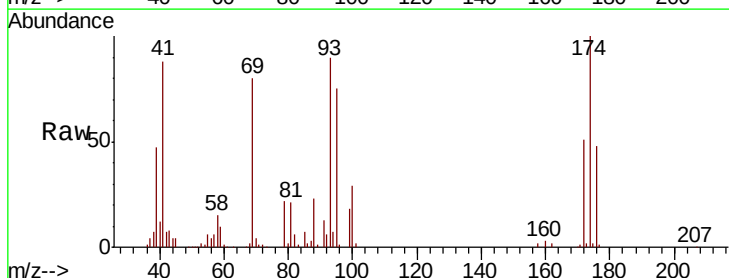
Tgt Ion: 93 Resp: 108036

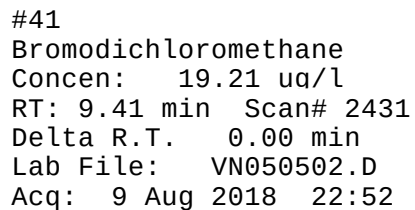
Ion Ratio Lower Upper

93 100

95 82.5 0.0 165.6

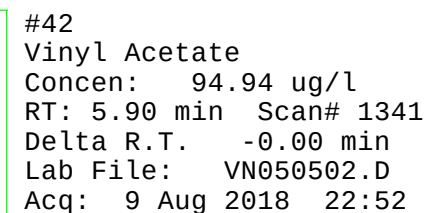
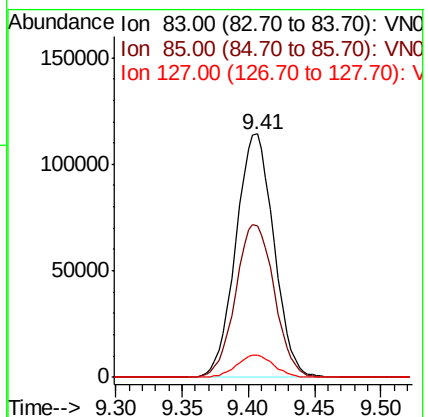
174 112.3 0.0 223.2



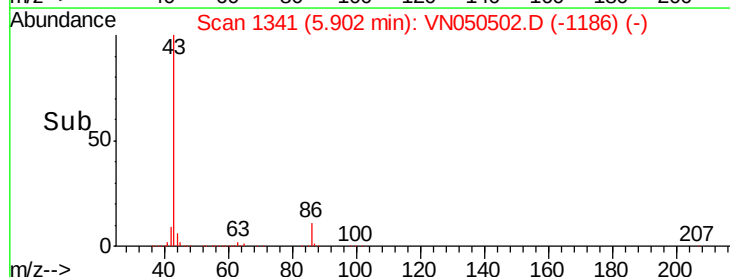
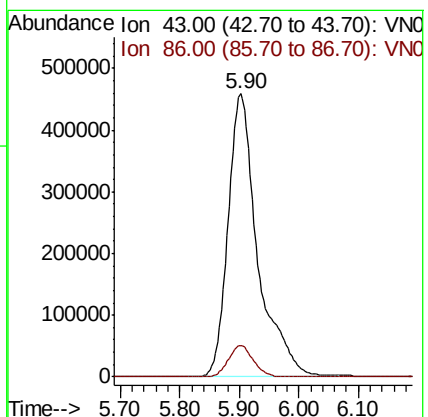


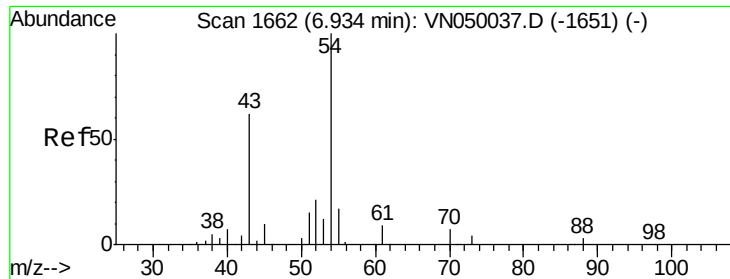
Instrument :
MSVOA_N
ClientSampleId :

Tot	Ion: 83	Resp:	227631
Ion	Ratio	Lower	Upper
83	100		
85	62.2	52.6	78.8
127	9.0	7.0	10.4



Tgt	Ion: 43	Resp: 1592461	
Ion	Ratio	Lower	Upper
43	100		
86	9.3	7.3	10.9

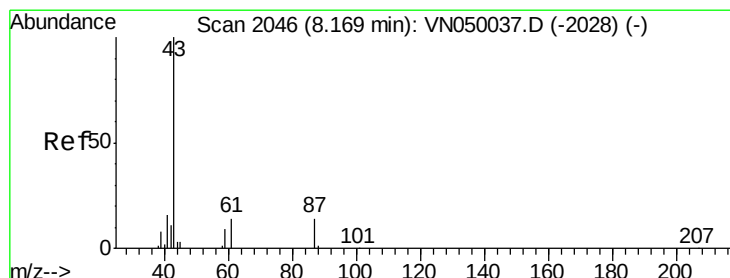
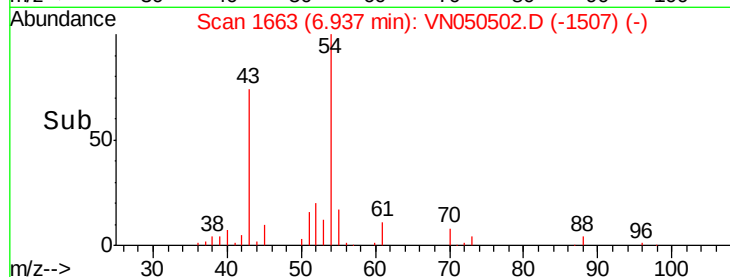
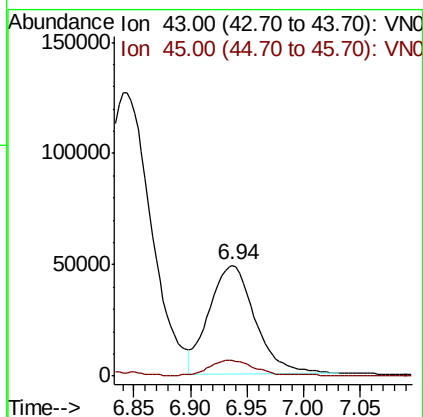
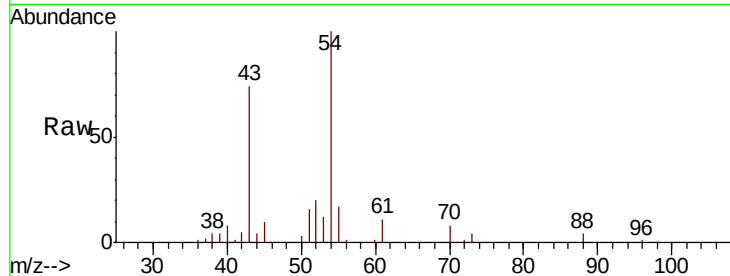




#43
Ethyl Acetate
Concen: 18.55 ug/l
RT: 6.94 min Scan# 1663
Delta R.T. 0.00 min
Lab File: VN050502.D
Acq: 9 Aug 2018 22:52

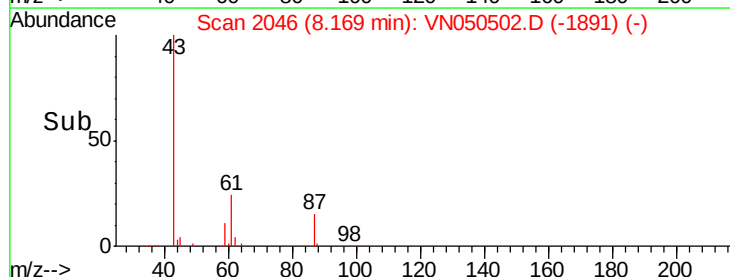
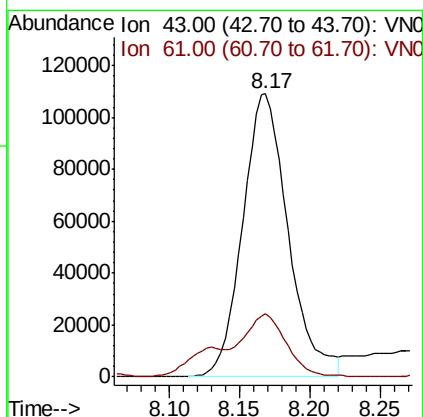
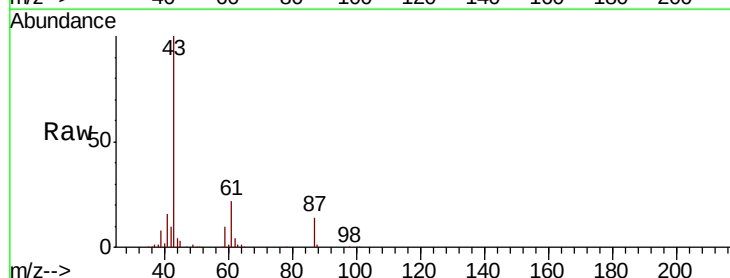
Instrument :
MSVOA_N
ClientSampleID :

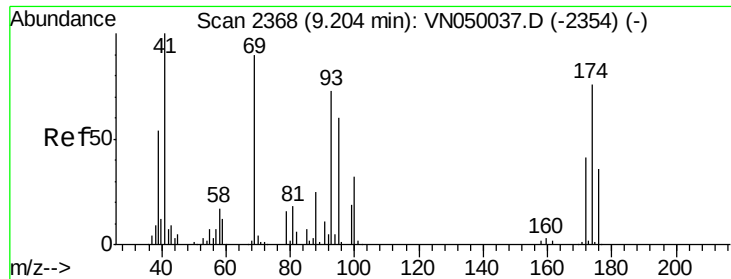
Tot Ion: 43 Resp: 138044
Ion Ratio Lower Upper
43 100
45 12.9 13.0 19.6#



#44
Isopropyl Acetate
Concen: 17.75 ug/l
RT: 8.17 min Scan# 2046
Delta R.T. -0.00 min
Lab File: VN050502.D
Acq: 9 Aug 2018 22:52

Tgt Ion: 43 Resp: 244678
Ion Ratio Lower Upper
43 100
61 20.4 16.4 24.6

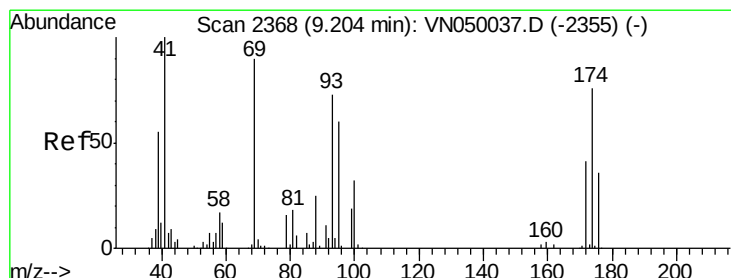
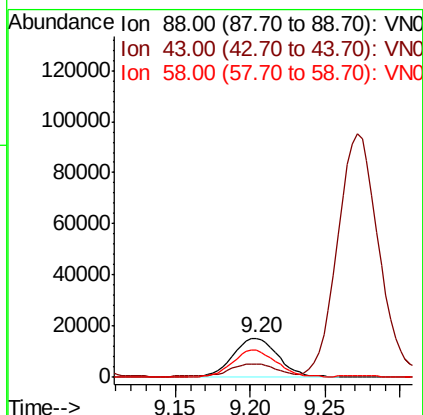
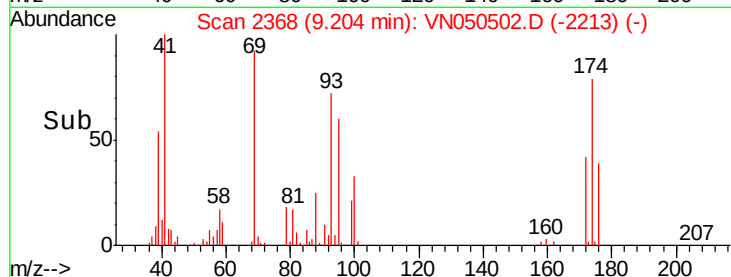
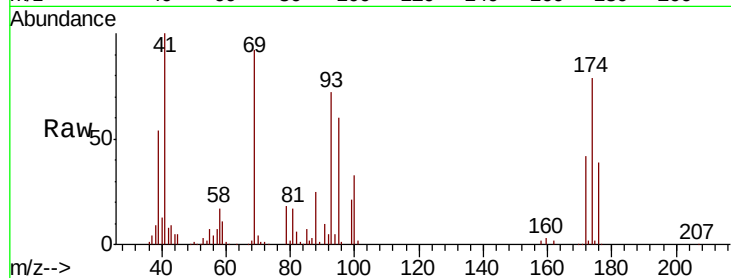




#45
1,4-Dioxane
Concen: 356.64 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. -0.00 min
Lab File: VN050502.D
Acq: 9 Aug 2018 22:52

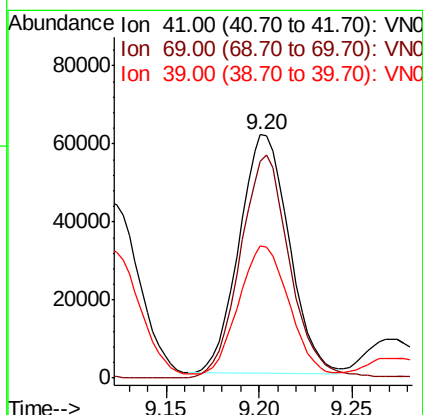
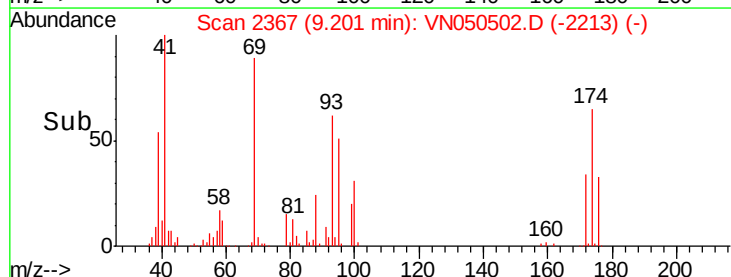
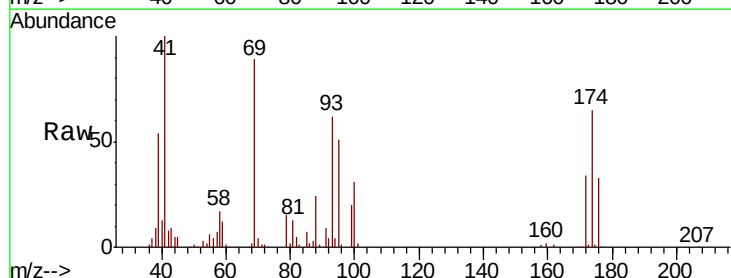
Instrument :
MSVOA_N
ClientSampleId :

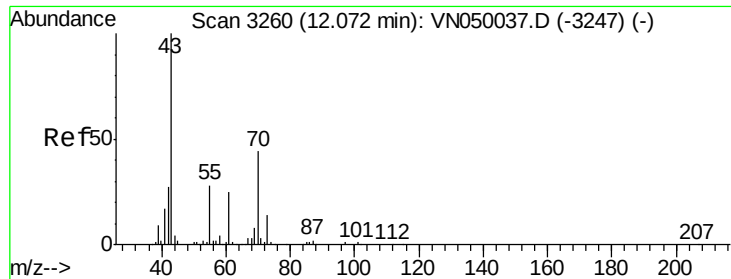
Tot Ion: 88 Resp: 32358
Ion Ratio Lower Upper
88 100
43 31.6 26.9 40.3
58 68.7 53.6 80.4



#46
Methyl methacrylate
Concen: 17.14 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VN050502.D
Acq: 9 Aug 2018 22:52

Tgt Ion: 41 Resp: 114593
Ion Ratio Lower Upper
41 100
69 90.5 44.0 132.1
39 53.8 27.0 80.8





#47

n-amvl Acetate

Concen: 17.80 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN050502.D

Acq: 9 Aug 2018 22:52

Instrument :

MSVOA_N

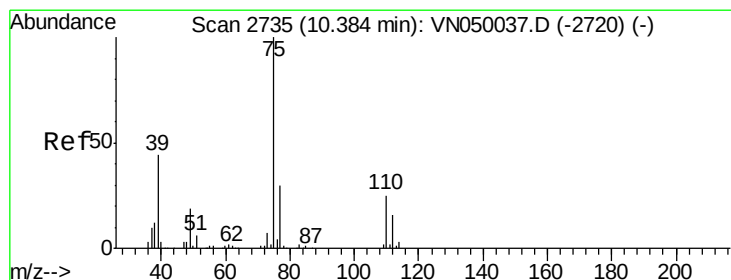
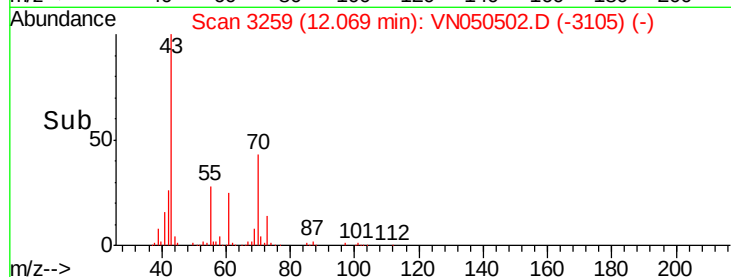
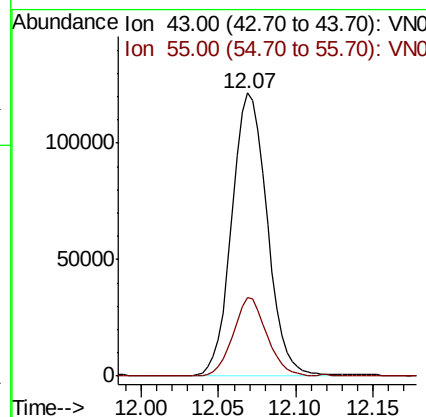
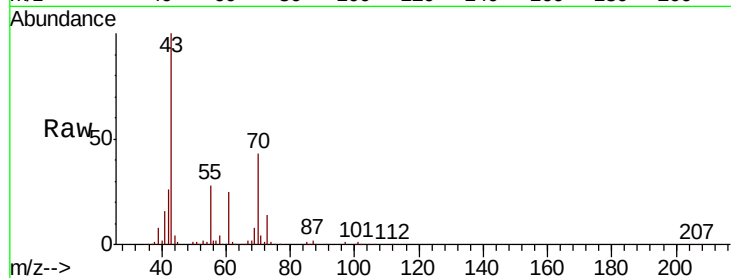
ClientSampled :

Tot Ion: 43 Resp: 191018

Ion Ratio Lower Upper

43 100

55 26.7 21.0 31.4



#48

t-1,3-Dichloropropene

Concen: 18.49 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. -0.00 min

Lab File: VN050502.D

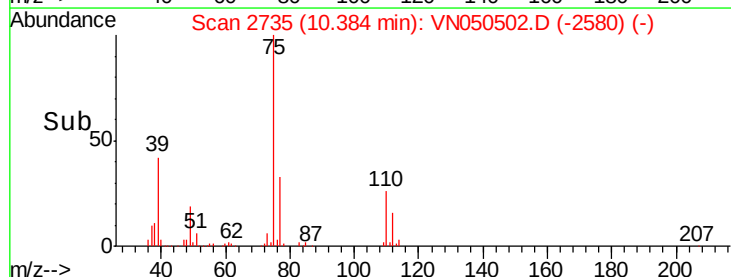
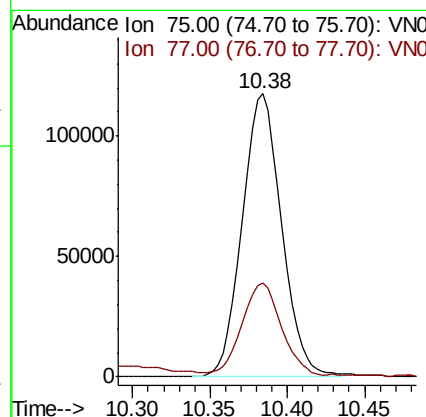
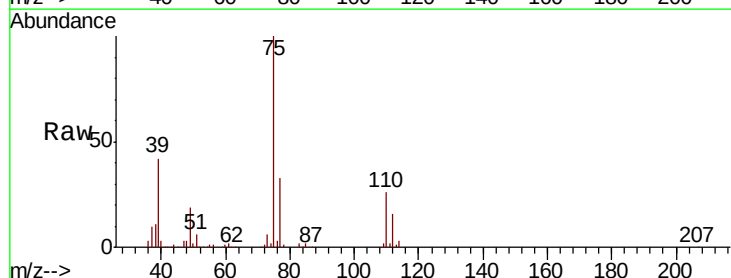
Acq: 9 Aug 2018 22:52

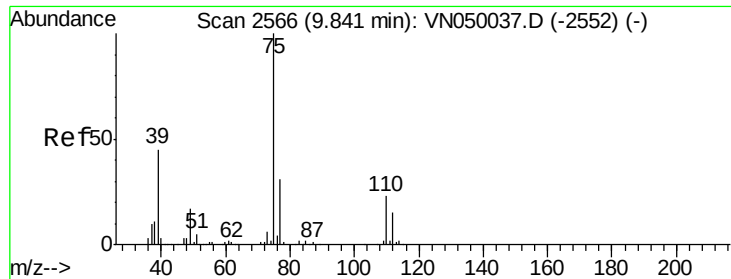
Tgt Ion: 75 Resp: 208849

Ion Ratio Lower Upper

75 100

77 32.3 24.6 37.0

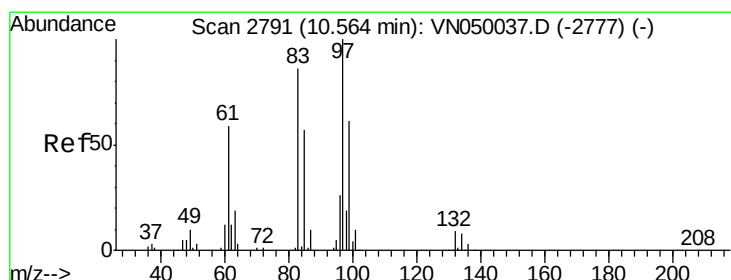
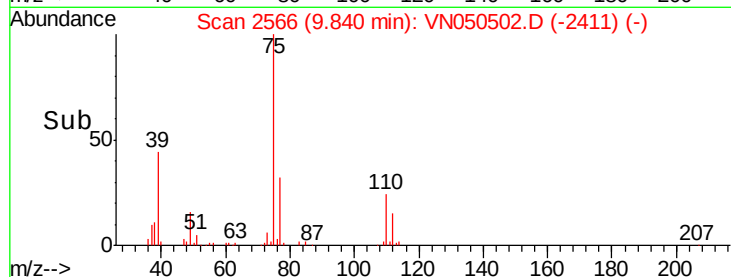
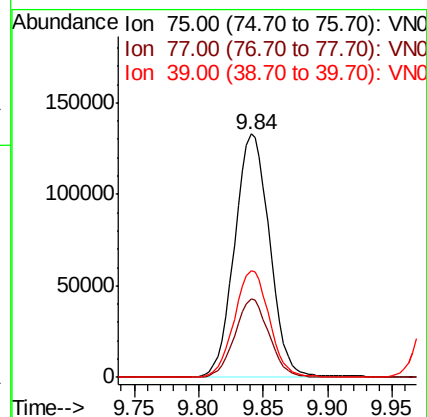
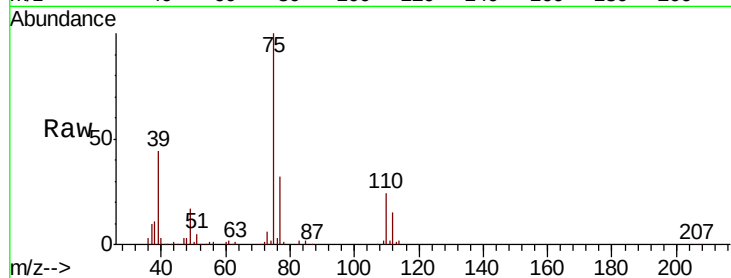




#49
 cis-1,3-Dichloropropene
 Concen: 18.93 ug/l
 RT: 9.84 min Scan# 2566
 Delta R.T. -0.00 min
 Lab File: VN050502.D
 Acq: 9 Aug 2018 22:52

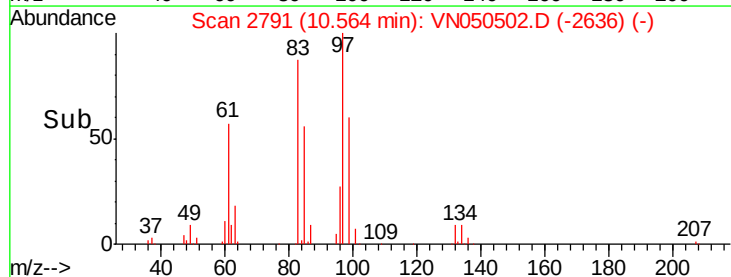
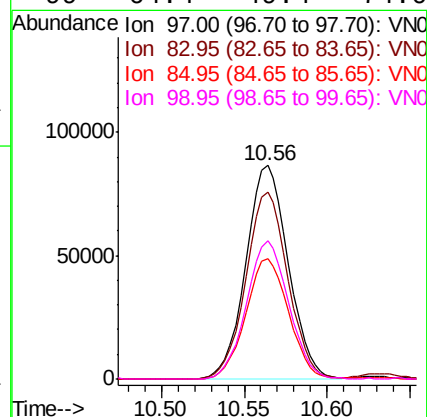
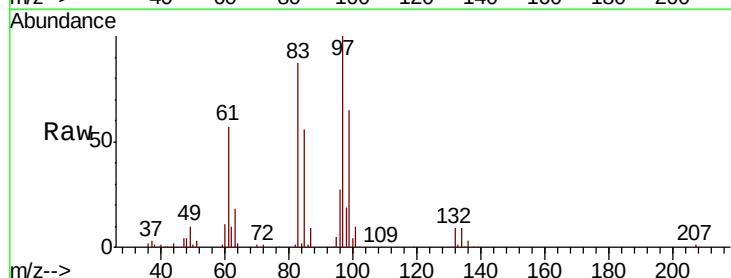
Instrument :
 MSVOA_N
 ClientSampleId :

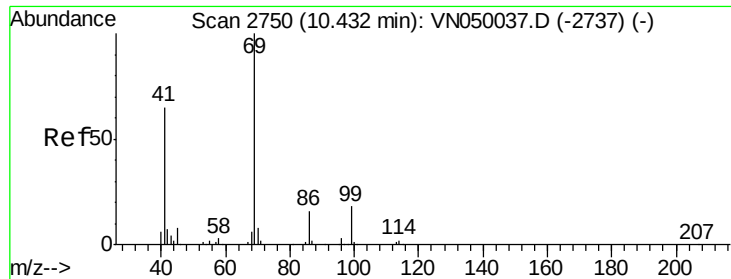
Tot Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.7	38.5
39	43.8	36.3	54.5



#50
 1,1,2-Trichloroethane
 Concen: 19.07 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. -0.00 min
 Lab File: VN050502.D
 Acq: 9 Aug 2018 22:52

Tgt Ion	Ratio	Lower	Upper
97	100		
83	87.4	68.1	102.1
85	56.1	45.4	68.2
99	64.4	49.4	74.0





#51

Ethyl methacrylate

Concen: 18.39 ug/l

RT: 10.43 min Scan# 2750

Delta R.T. -0.00 min

Lab File: VN050502.D

Acq: 9 Aug 2018 22:52

Instrument :

MSVOA_N

ClientSampleId :

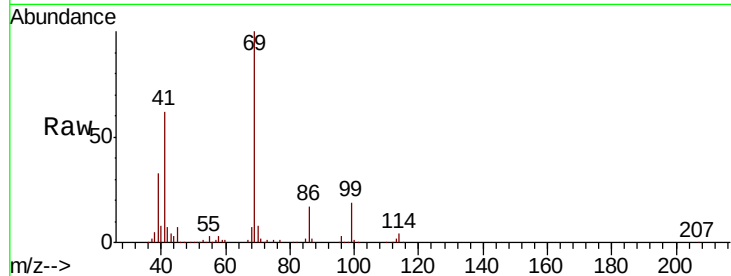
Tot Ion: 69 Resp: 179907

Ion	Ratio	Lower	Upper
69	100		
41	61.5	31.9	95.9
39	33.1	16.7	50.1

69 100

41 61.5 31.9 95.9

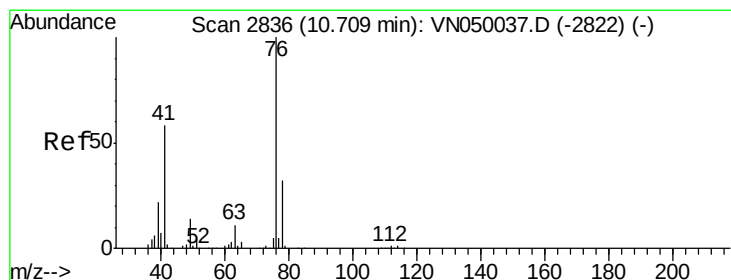
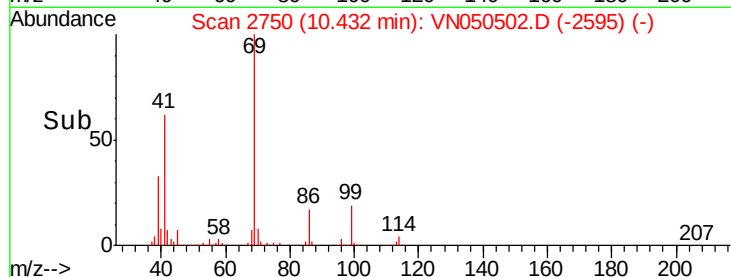
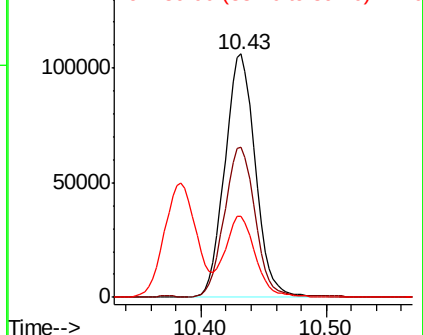
39 33.1 16.7 50.1



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#52

1,3-Dichloropropane

Concen: 19.17 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. -0.00 min

Lab File: VN050502.D

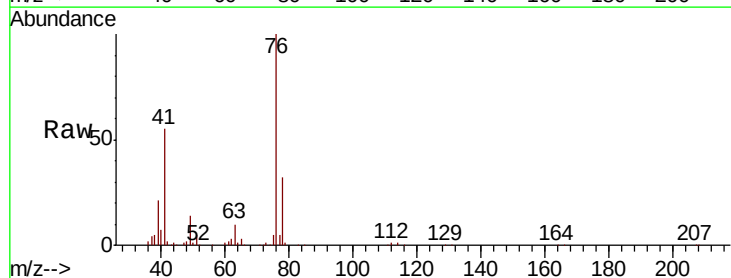
Acq: 9 Aug 2018 22:52

Tgt Ion: 76 Resp: 253836

Ion	Ratio	Lower	Upper
76	100		
78	32.0	0.0	65.6

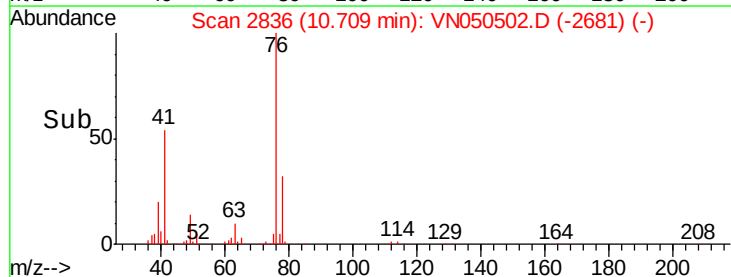
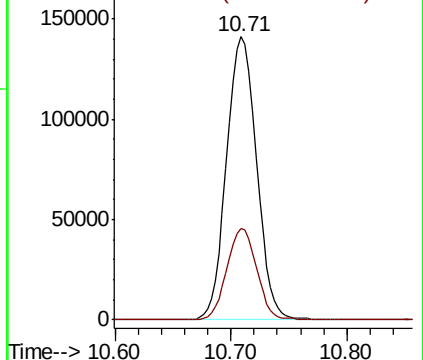
76 100

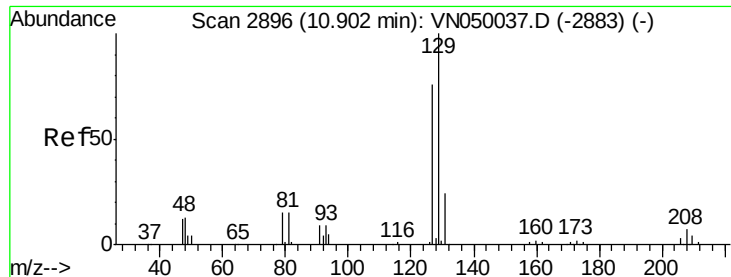
78 32.0 0.0 65.6



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0

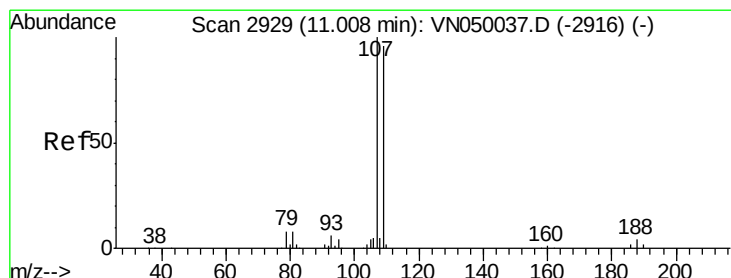
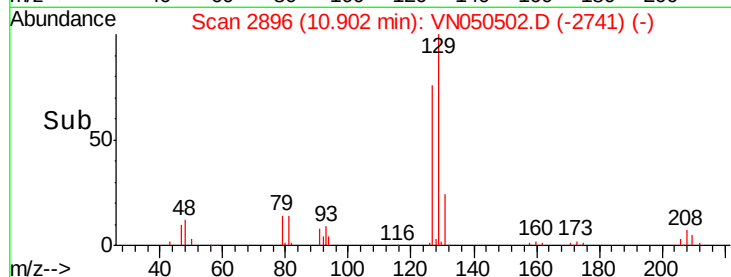
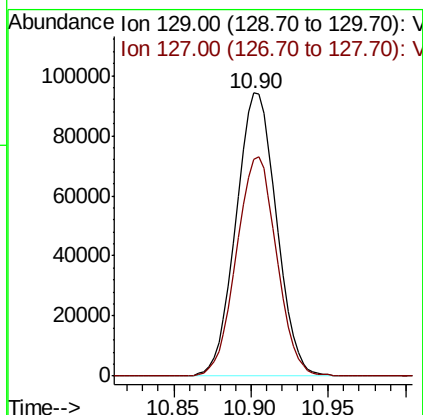
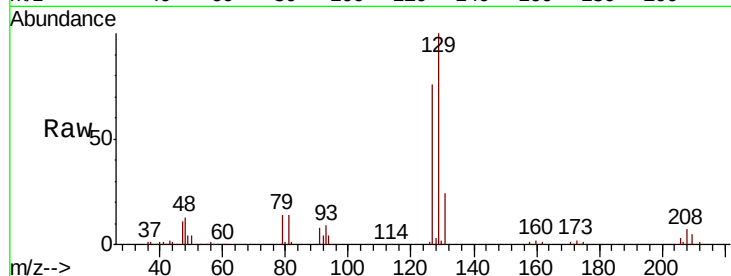




#53
Dibromochloromethane
Concen: 18.77 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VN050502.D
Acq: 9 Aug 2018 22:52

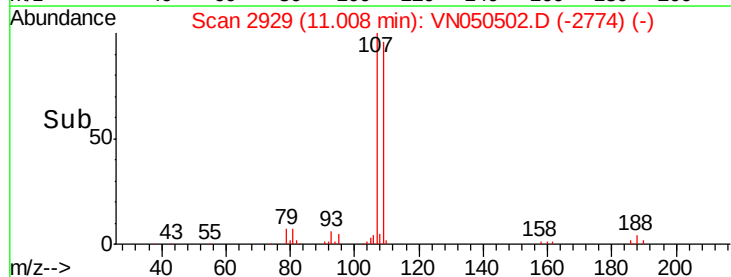
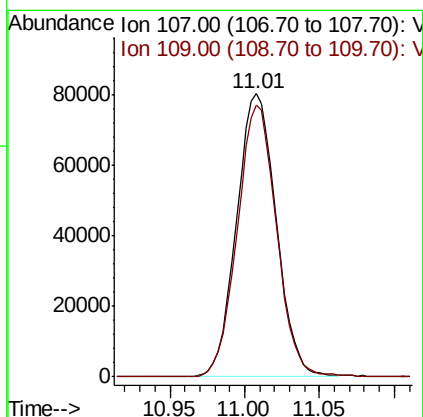
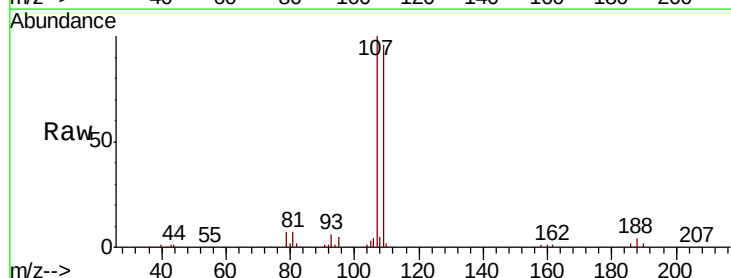
Instrument :
MSVOA_N
ClientSampled :

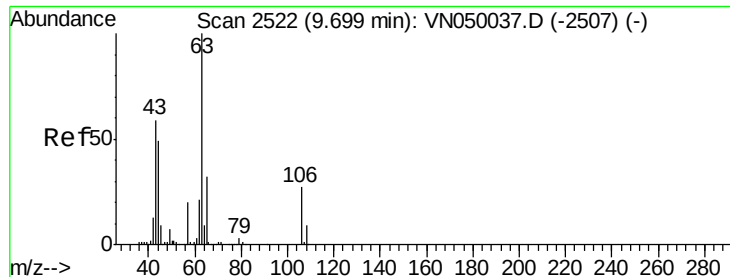
Tot Ion:129 Resp: 171760
Ion Ratio Lower Upper
129 100
127 76.9 38.1 114.5



#54
1,2-Dibromoethane
Concen: 18.82 ug/l
RT: 11.01 min Scan# 2929
Delta R.T. -0.00 min
Lab File: VN050502.D
Acq: 9 Aug 2018 22:52

Tgt Ion:107 Resp: 148572
Ion Ratio Lower Upper
107 100
109 95.0 76.2 114.2





#55

2-Chloroethyl vinyl ether

Concen: 95.06 ug/l

RT: 9.70 min Scan# 2521

Delta R.T. -0.00 min

Lab File: VN050502.D

Acq: 9 Aug 2018 22:52

Instrument :

MSVOA_N

ClientSampleId :

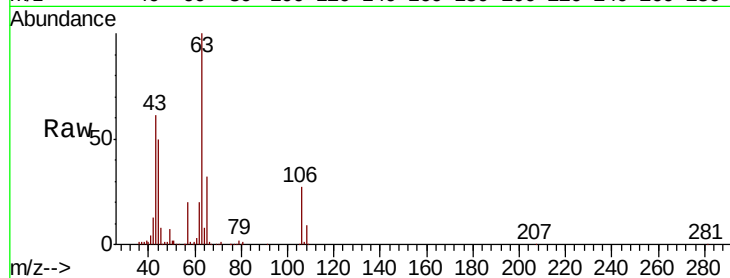
Tot Ion: 63 Resp: 420987

Ion Ratio Lower Upper

63 100

65 31.8 25.5 38.3

106 27.8 21.8 32.6

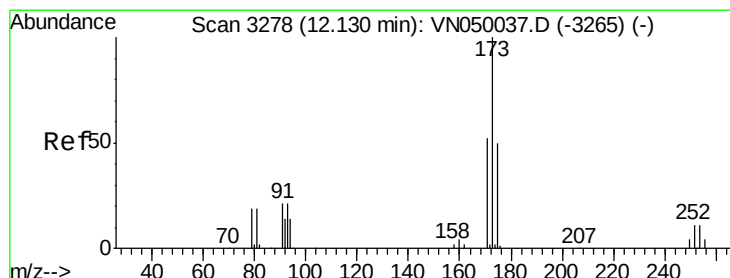
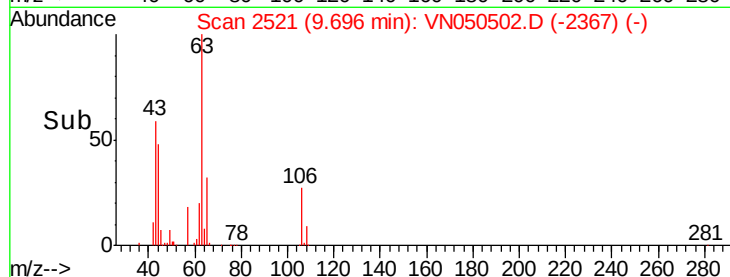
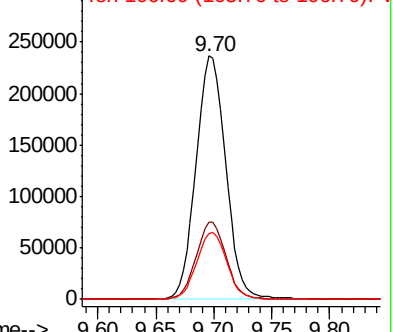


Abundance

Ion 63.00 (62.70 to 63.70): VN050037.D (-2507) (-)

Ion 65.00 (64.70 to 65.70): VN050037.D (-2507) (-)

Ion 106.00 (105.70 to 106.70): VN050037.D (-2507) (-)



#56

Bromoform

Concen: 17.42 ug/l

RT: 12.13 min Scan# 3277

Delta R.T. -0.00 min

Lab File: VN050502.D

Acq: 9 Aug 2018 22:52

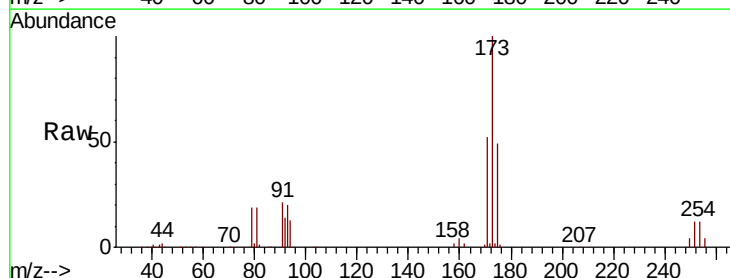
Tgt Ion: 173 Resp: 112530

Ion Ratio Lower Upper

173 100

175 48.6 38.6 57.8

254 11.6 8.8 13.2

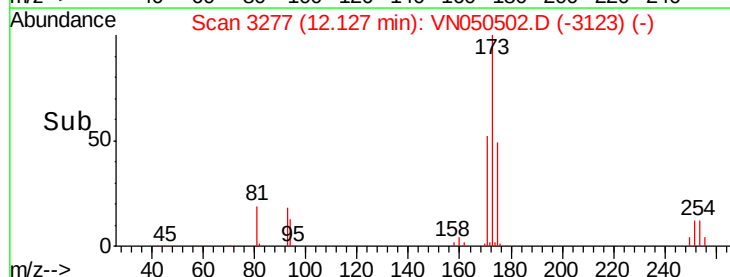
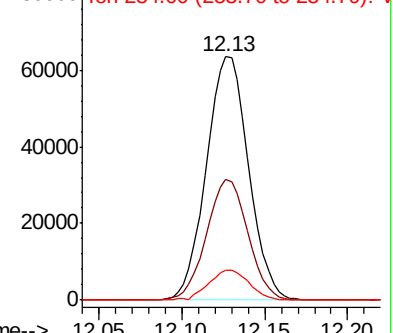


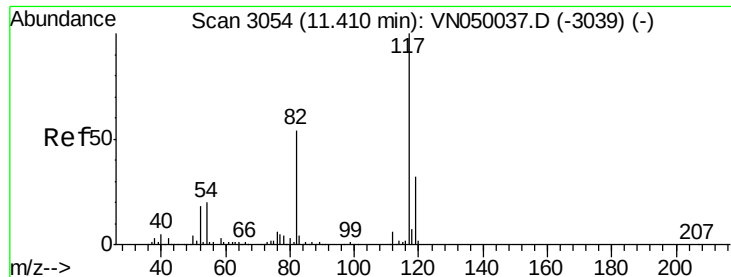
Abundance

Ion 173.00 (172.70 to 173.70): VN050037.D (-3265) (-)

Ion 175.00 (174.70 to 175.70): VN050037.D (-3265) (-)

Ion 254.00 (253.70 to 254.70): VN050037.D (-3265) (-)

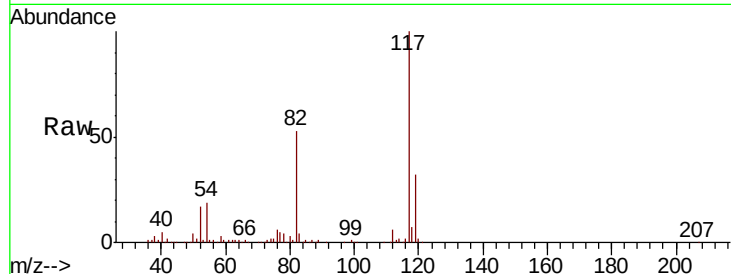




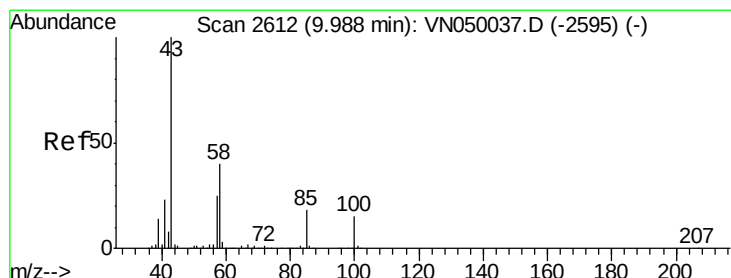
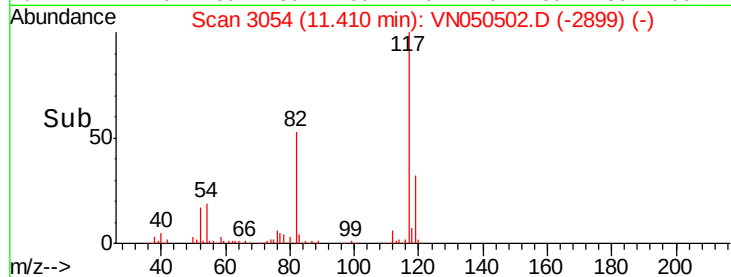
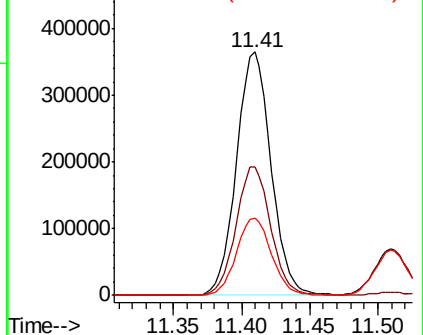
#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN050502.D
Acq: 9 Aug 2018 22:52

Instrument :
MSVOA_N
ClientSampled :

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.9	42.4	63.6
119	32.0	25.4	38.0

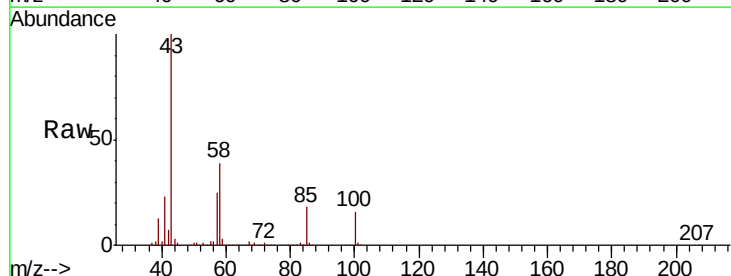


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

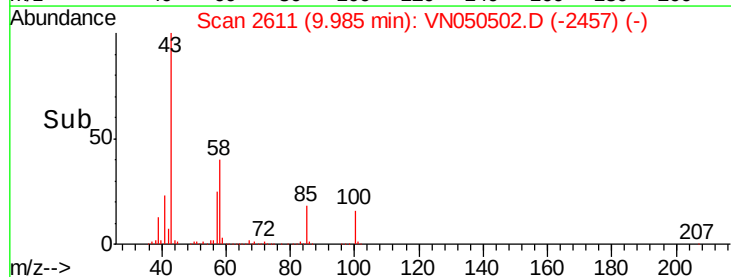
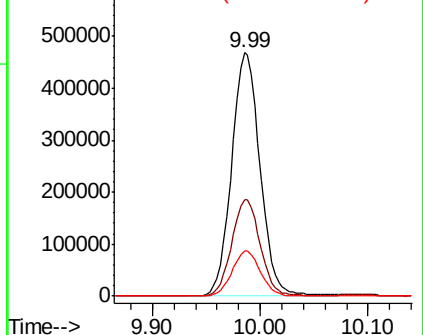


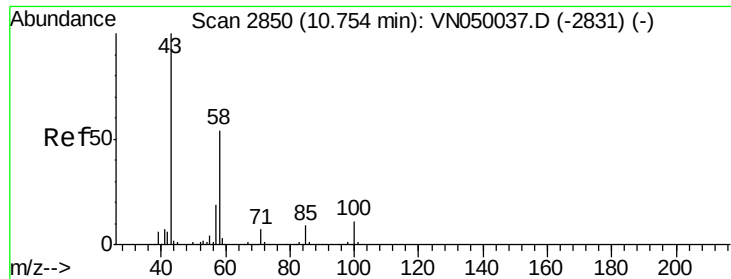
#58
4-Methyl-2-Pentanone
Concen: 114.12 ug/l
RT: 9.99 min Scan# 2611
Delta R.T. -0.00 min
Lab File: VN050502.D
Acq: 9 Aug 2018 22:52

Tgt Ion	Ratio	Lower	Upper
43	100		
58	40.0	31.2	46.8
85	18.5	14.4	21.6



Abundance Ion 43.00 (42.70 to 43.70): V
Ion 58.00 (57.70 to 58.70): V
Ion 85.00 (84.70 to 85.70): V

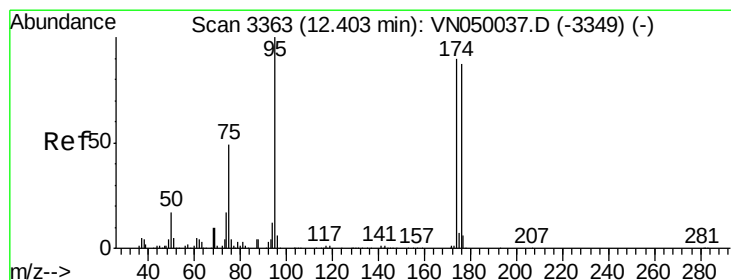
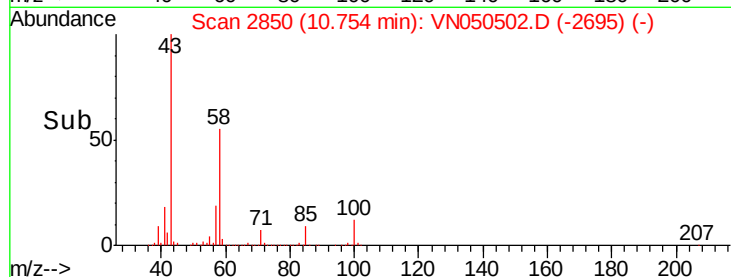
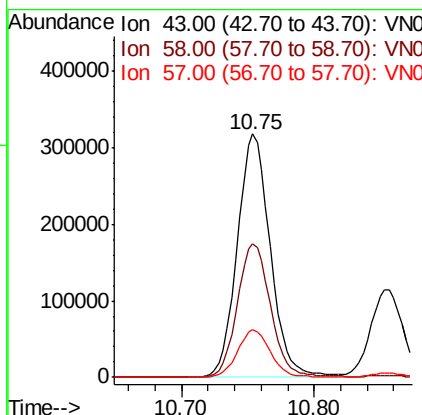
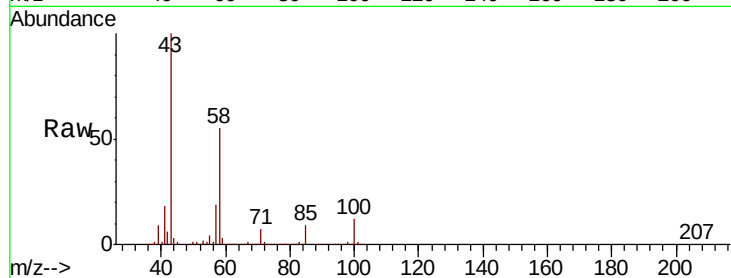




#59
2-Hexanone
Concen: 107.65 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. -0.00 min
Lab File: VN050502.D
Acq: 9 Aug 2018 22:52

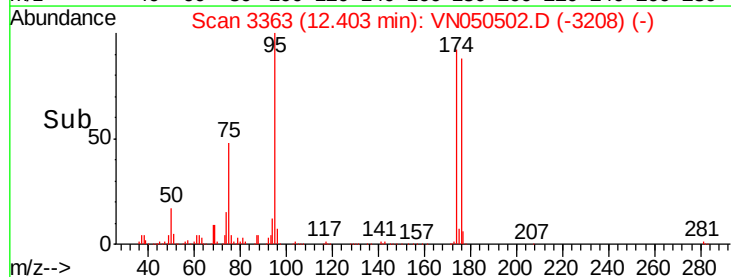
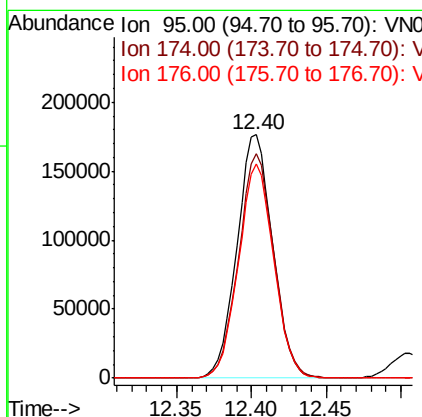
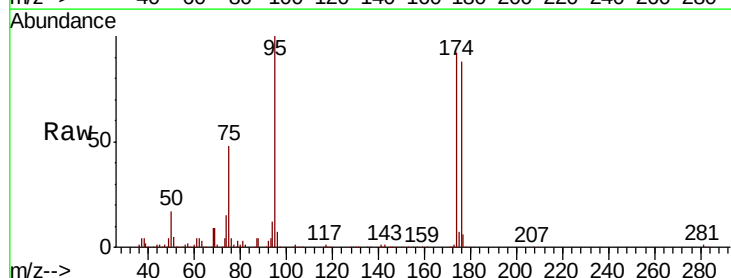
Instrument :
MSVOA_N
ClientSampleId :

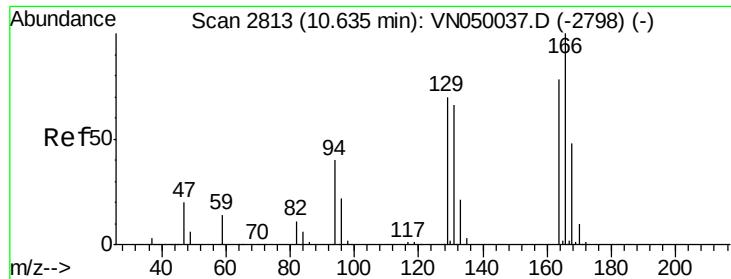
Tot Ion	Ratio	Lower	Upper
43	100		
58	55.5	43.8	65.8
57	19.5	15.1	22.7



#60
4-Bromofluorobenzene
Concen: 29.66 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. -0.00 min
Lab File: VN050502.D
Acq: 9 Aug 2018 22:52

Tgt Ion	Ratio	Lower	Upper
95	100		
174	91.3	72.3	108.5
176	86.8	70.0	105.0





#61

Tetrachloroethene

Concen: 19.54 ug/l

RT: 10.63 min Scan# 2813

Delta R.T. -0.00 min

Lab File: VN050502.D

Acq: 9 Aug 2018 22:52

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:164 Resp: 170043

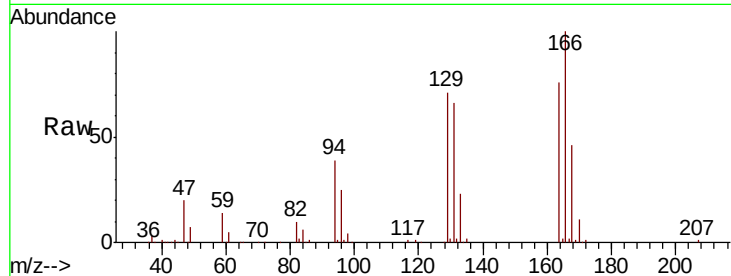
Ion Ratio Lower Upper

164 100

166 130.8 100.0 150.0

129 92.4 69.3 103.9

131 87.0 68.8 103.2

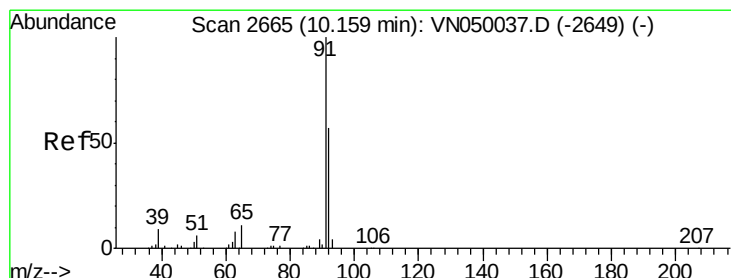
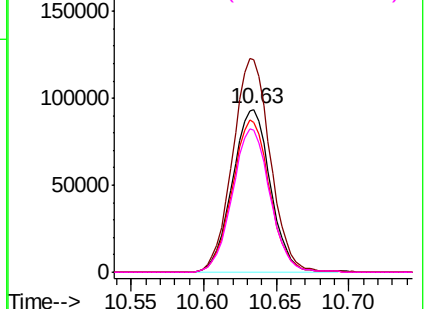
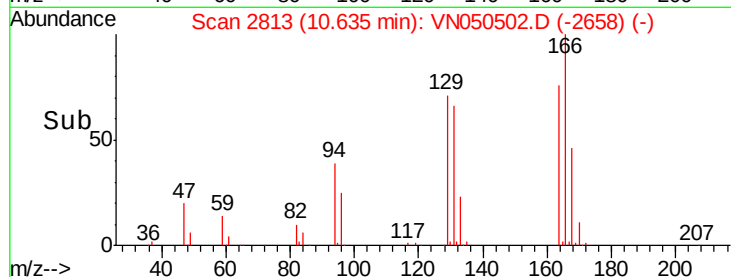


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 19.88 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. -0.00 min

Lab File: VN050502.D

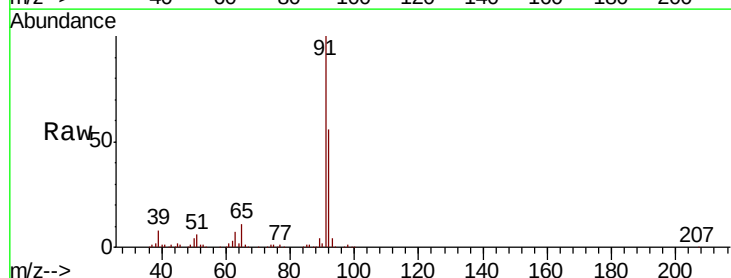
Acq: 9 Aug 2018 22:52

Tgt Ion: 91 Resp: 729042

Ion Ratio Lower Upper

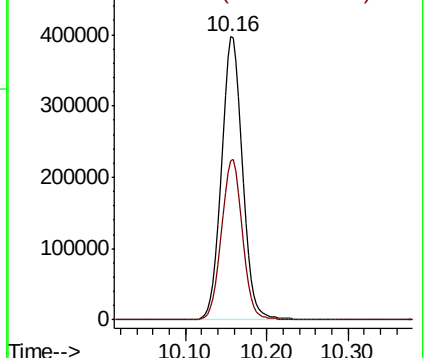
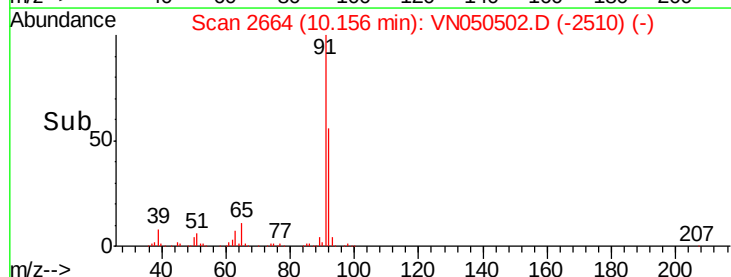
91 100

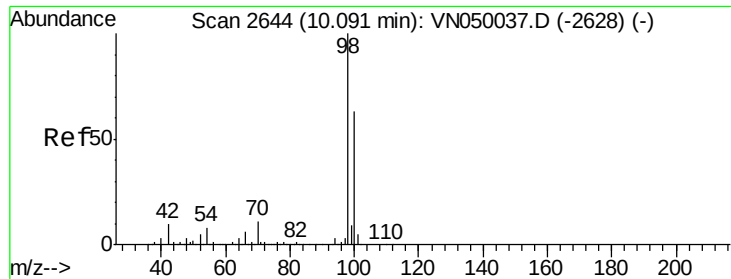
92 56.7 45.7 68.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 29.87 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VN050502.D

Acq: 9 Aug 2018 22:52

Instrument :

MSVOA_N

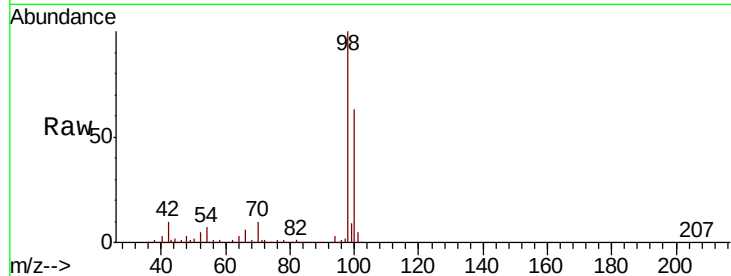
ClientSampled :

Tot Ion: 98 Resp: 916791

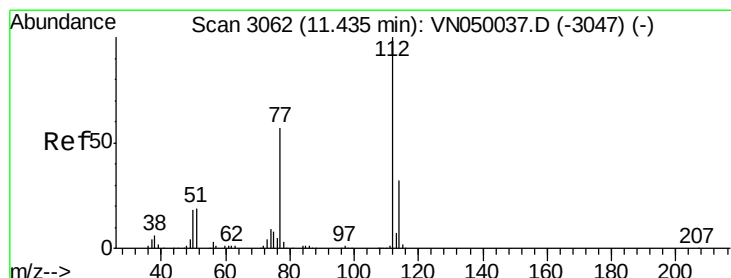
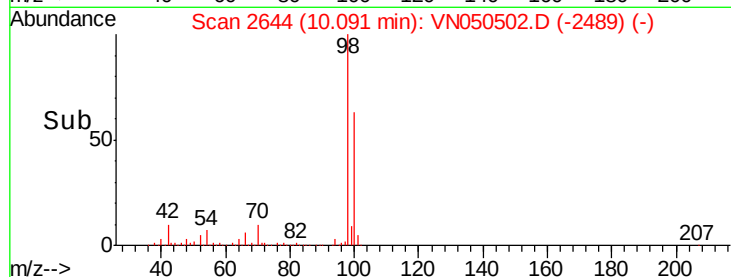
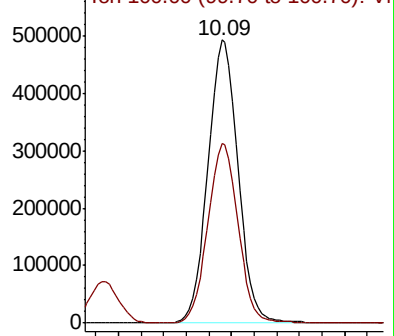
Ion Ratio Lower Upper

98 100

100 63.4 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN050037.D (-2628) (-)



#64

Chlorobenzene

Concen: 19.86 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN050502.D

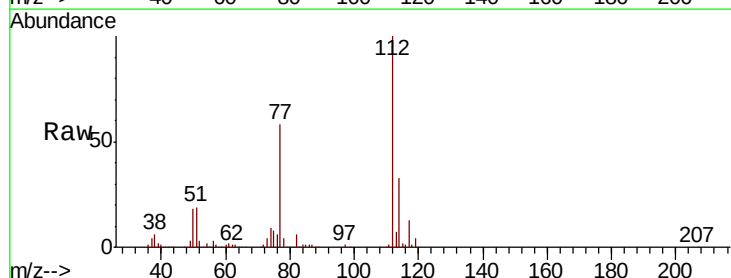
Acq: 9 Aug 2018 22:52

Tgt Ion: 112 Resp: 441524

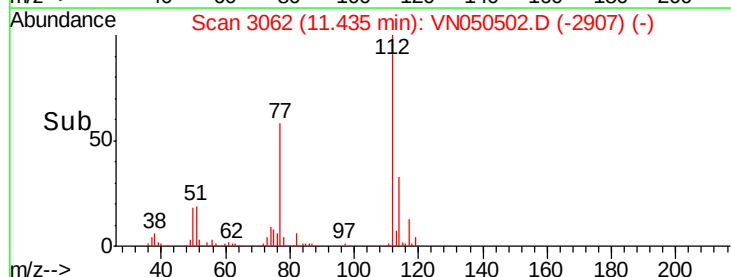
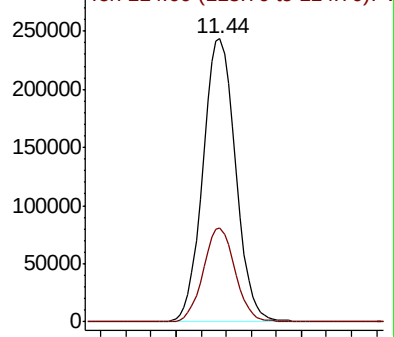
Ion Ratio Lower Upper

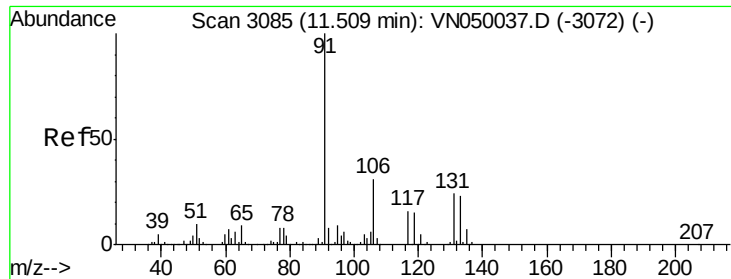
112 100

114 33.1 26.2 39.2



Abundance Ion 112.00 (111.70 to 112.70): VN050037.D (-3047) (-)





#65

1,1,1,2-Tetrachloroethane

Concen: 19.50 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. -0.00 min

Lab File: VN050502.D

Acq: 9 Aug 2018 22:52

Instrument :

MSVOA_N

ClientSampleId :

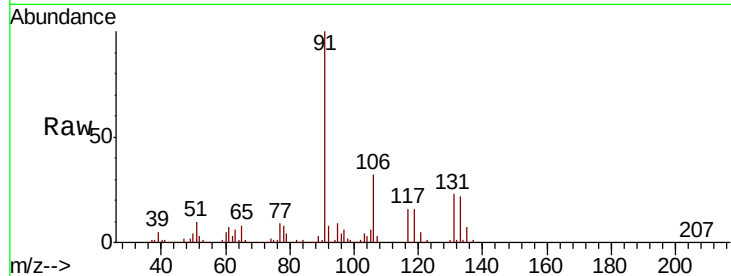
Tot Ion:131 Resp: 169063

Ion Ratio Lower Upper

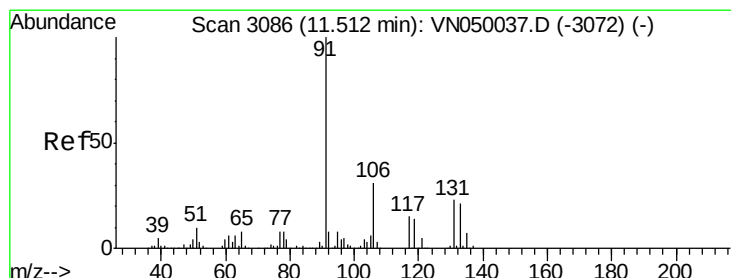
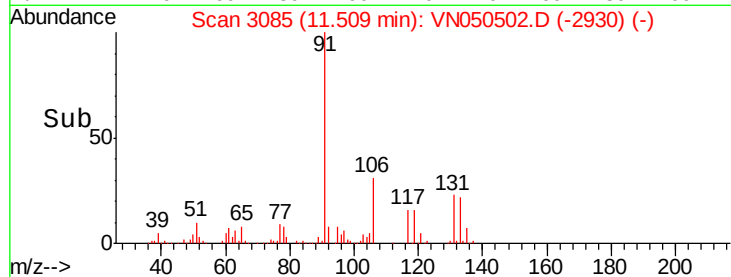
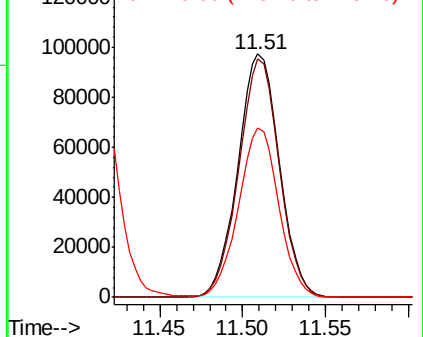
131 100

133 95.8 0.0 190.0

119 67.6 0.0 131.6



Abundance Ion 131.00 (130.70 to 131.70): V
Ion 133.00 (132.70 to 133.70): V
Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 19.51 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. -0.00 min

Lab File: VN050502.D

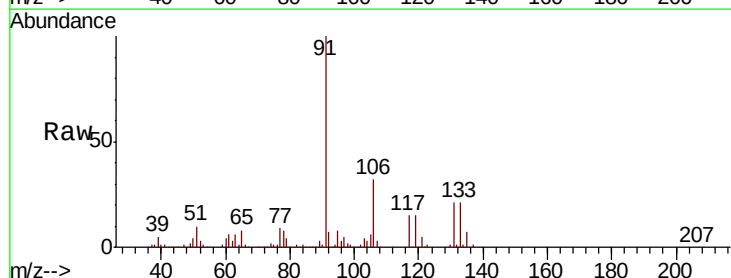
Acq: 9 Aug 2018 22:52

Tgt Ion: 91 Resp: 731157

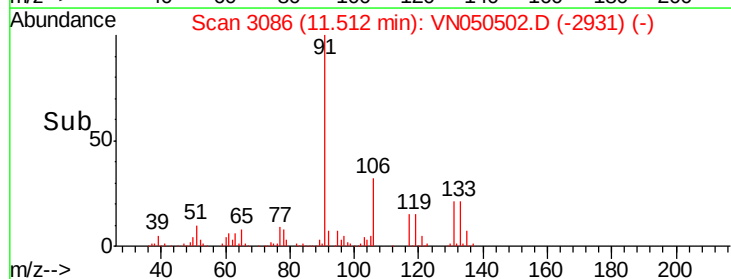
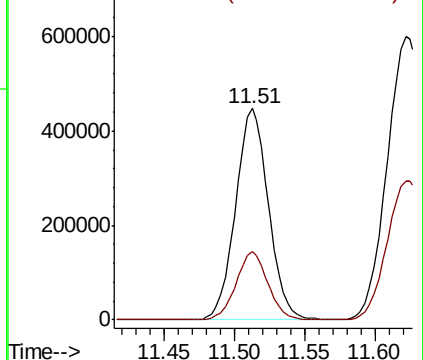
Ion Ratio Lower Upper

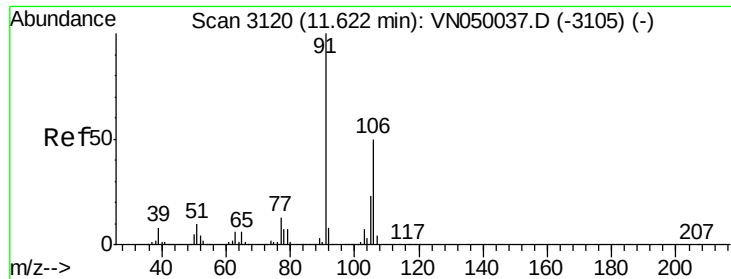
91 100

106 32.1 25.1 37.7



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





#67

m/p-Xylenes

Concen: 39.90 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. -0.00 min

Lab File: VN050502.D

Acq: 9 Aug 2018 22:52

Instrument :

MSVOA_N

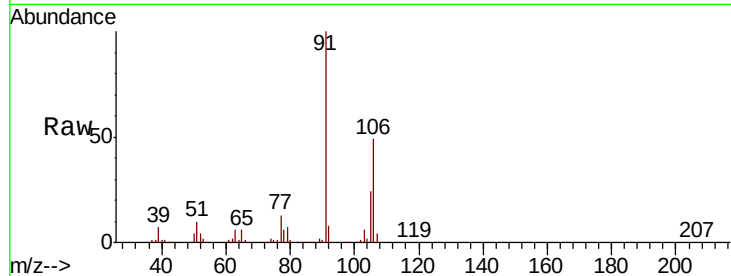
ClientSampled :

Tot Ion:106 Resp: 575297

Ion Ratio Lower Upper

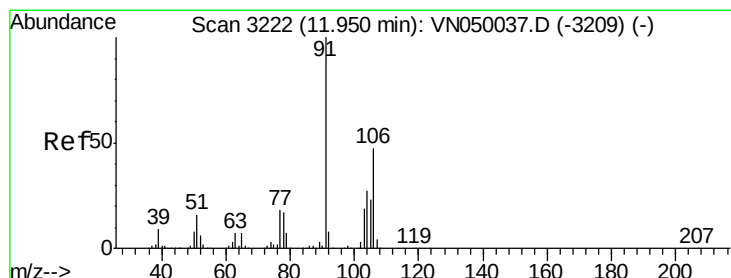
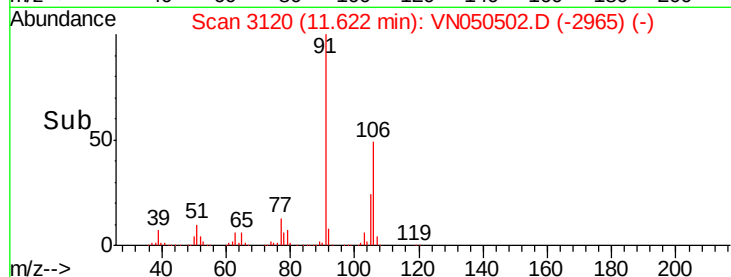
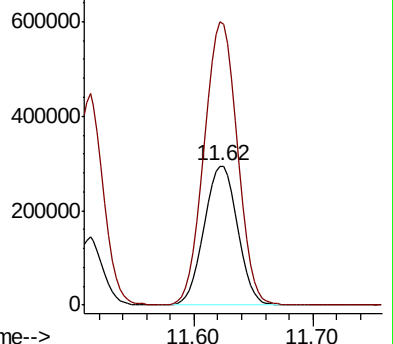
106 100

91 201.8 162.5 243.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



#68

o-Xylene

Concen: 20.17 ug/l

RT: 11.95 min Scan# 3222

Delta R.T. -0.00 min

Lab File: VN050502.D

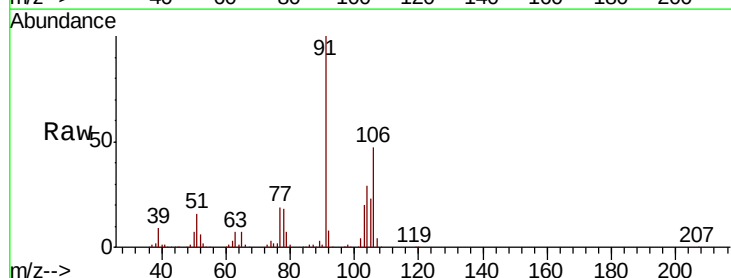
Acq: 9 Aug 2018 22:52

Tgt Ion:106 Resp: 276770

Ion Ratio Lower Upper

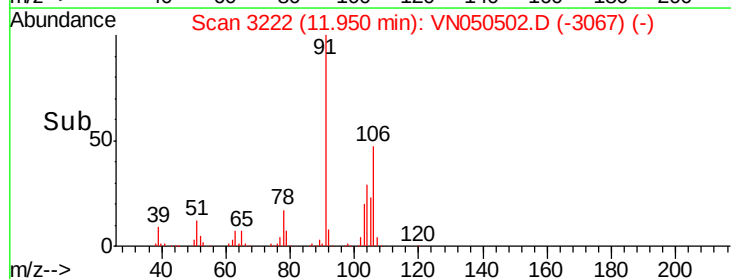
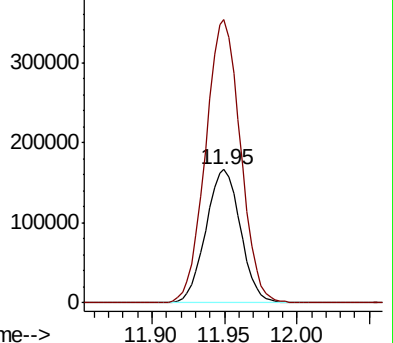
106 100

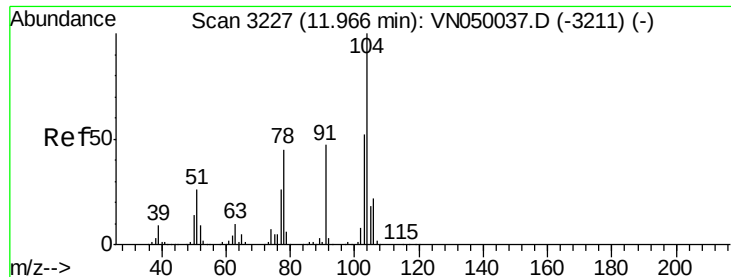
91 213.0 106.8 320.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0

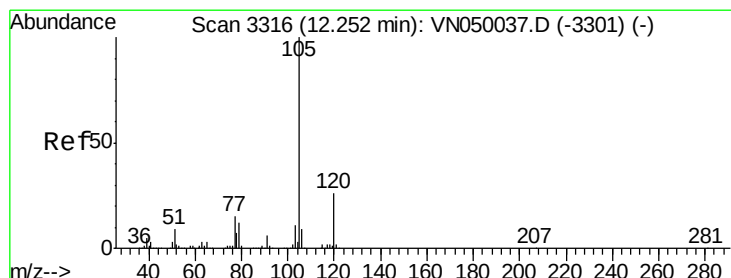
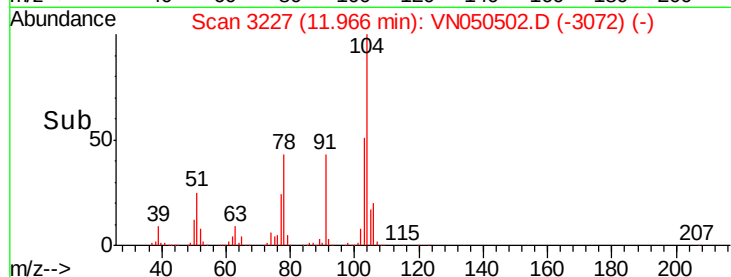
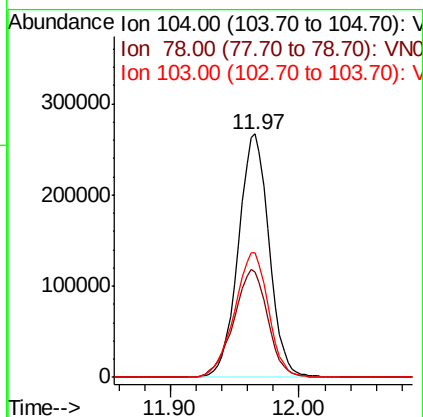
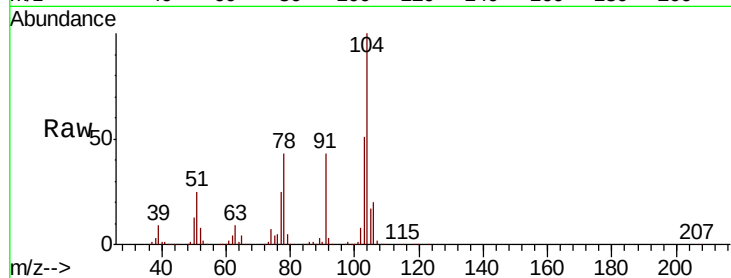




#69
Stvrene
Concen: 20.13 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. -0.00 min
Lab File: VN050502.D
Acq: 9 Aug 2018 22:52

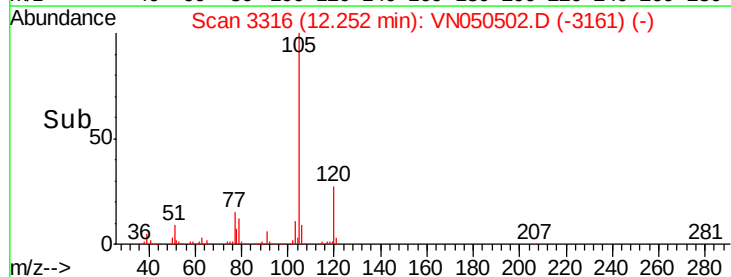
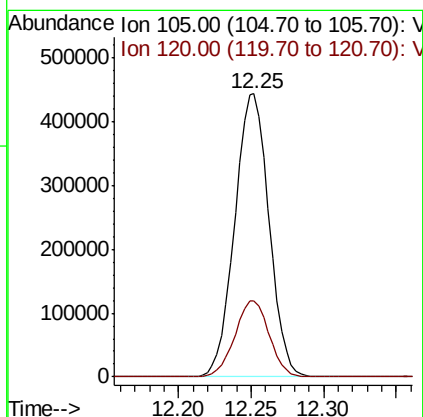
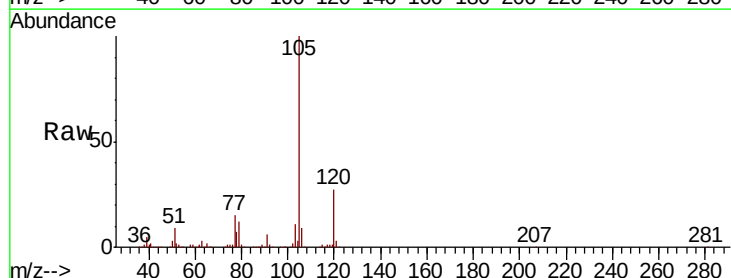
Instrument :
MSVOA_N
ClientSampleId :

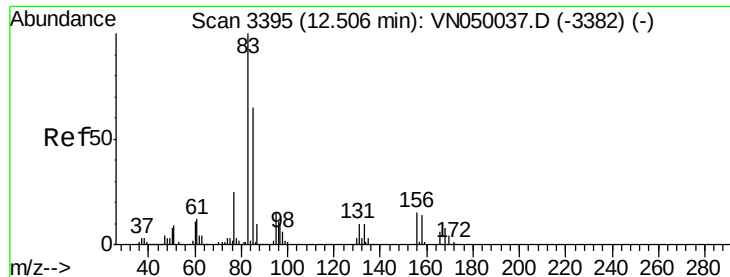
Tot Ion	Ratio	Lower	Upper
104	100		
78	49.0	39.3	58.9
103	56.6	44.5	66.7



#70
Isopropylbenzene
Concen: 19.95 ug/l
RT: 12.25 min Scan# 3316
Delta R.T. -0.00 min
Lab File: VN050502.D
Acq: 9 Aug 2018 22:52

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.8	18.9	35.1





#71

1,1,2,2-Tetrachloroethane

Concen: 19.06 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. -0.00 min

Lab File: VN050502.D

Acq: 9 Aug 2018 22:52

Instrument :

MSVOA_N

ClientSampled :

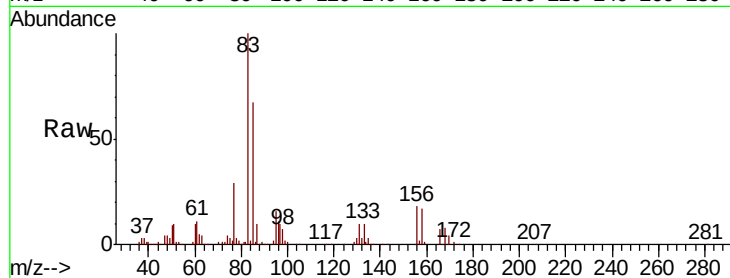
Tot Ion: 83 Resp: 191215

Ion Ratio Lower Upper

83 100

131 10.5 5.2 15.6

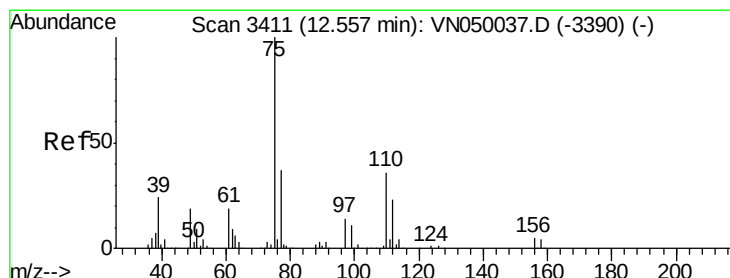
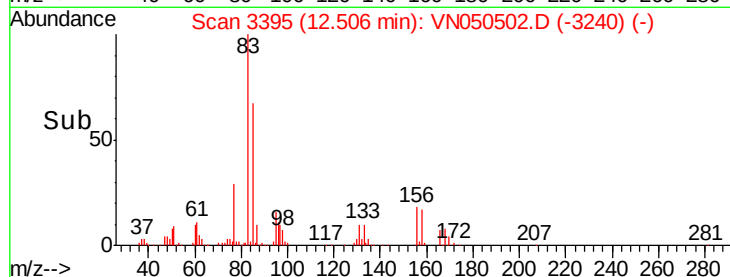
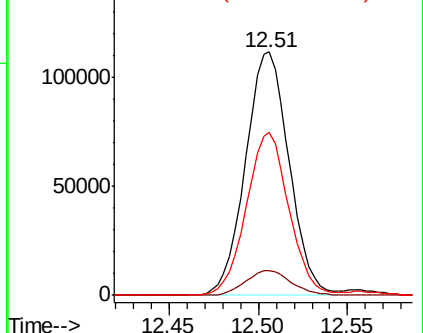
85 65.1 31.7 95.1



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VN0



#72

1,2,3-Trichloropropane

Concen: 25.03 ug/l

RT: 12.55 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN050502.D

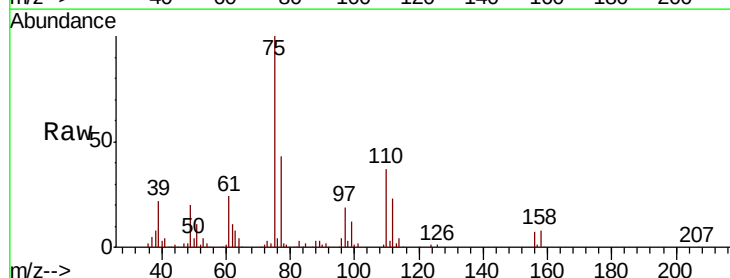
Acq: 9 Aug 2018 22:52

Tgt Ion: 75 Resp: 214483

Ion Ratio Lower Upper

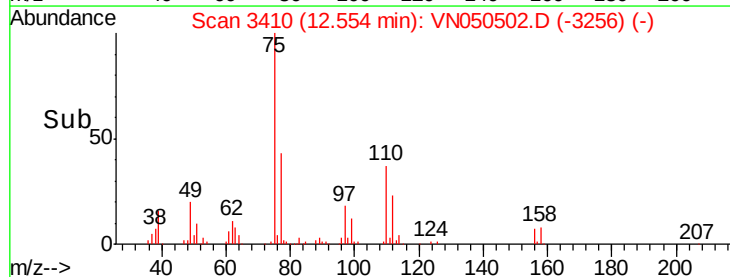
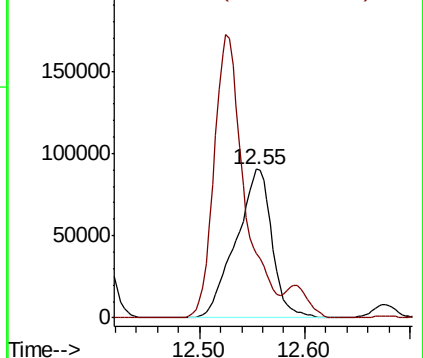
75 100

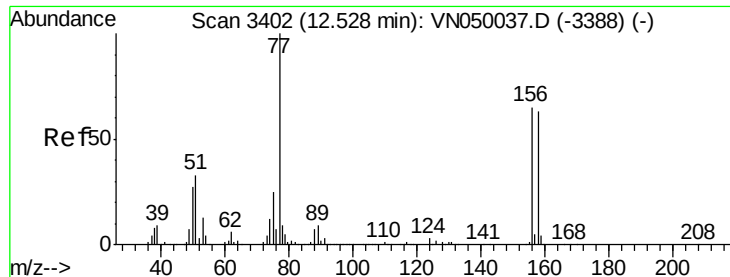
77 159.9 0.0 454.4



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0





#73

Bromobenzene

Concen: 19.56 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN050502.D

Acq: 9 Aug 2018 22:52

Instrument :

MSVOA_N

ClientSampleId :

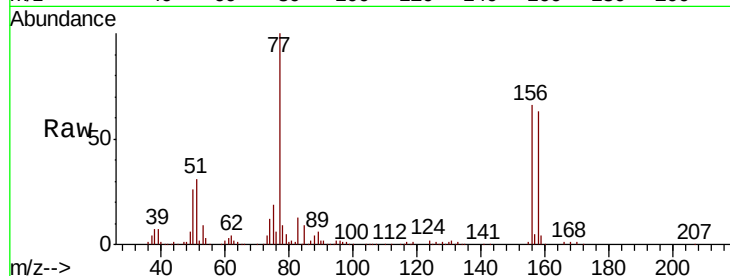
Tot Ion:156 Resp: 190338

Ion Ratio Lower Upper

156 100

77 180.2 0.0 359.8

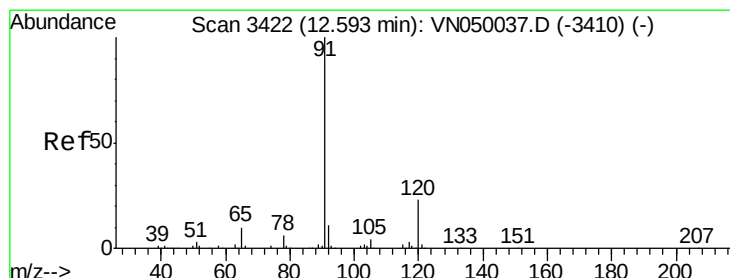
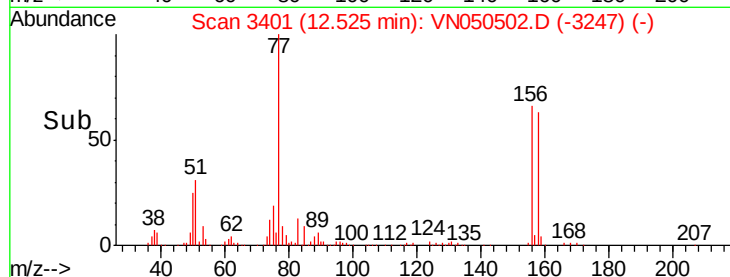
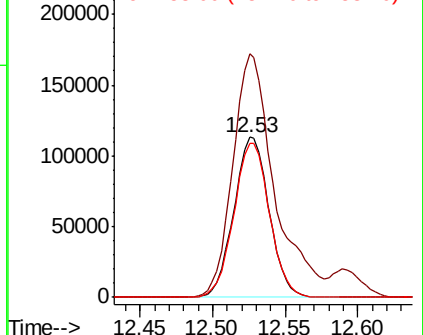
158 97.6 0.0 192.8



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 19.03 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. -0.00 min

Lab File: VN050502.D

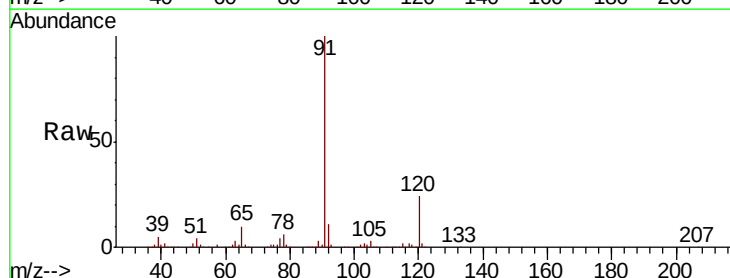
Acq: 9 Aug 2018 22:52

Tgt Ion: 91 Resp: 809798

Ion Ratio Lower Upper

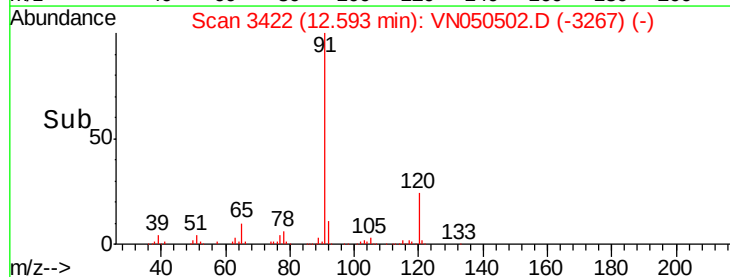
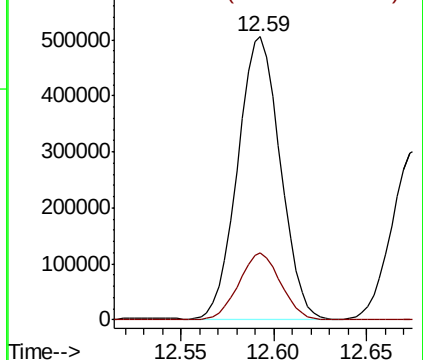
91 100

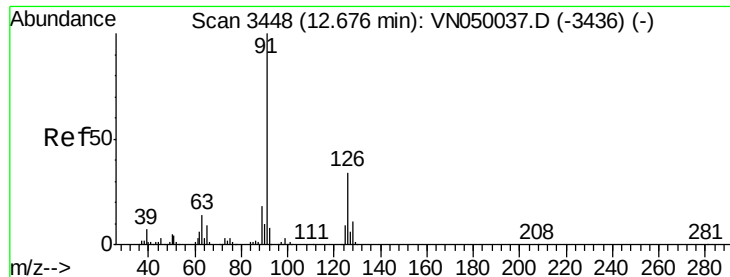
120 23.1 0.0 46.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 19.81 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. -0.00 min

Lab File: VN050502.D

Acq: 9 Aug 2018 22:52

Instrument :

MSVOA_N

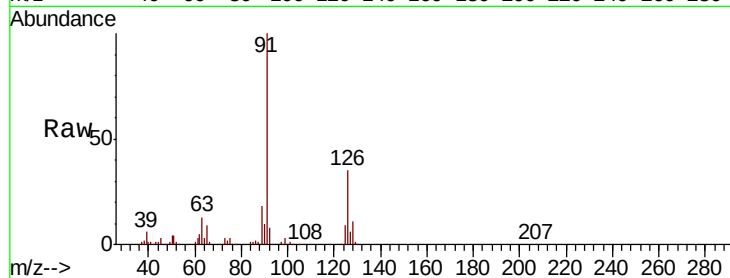
ClientSampleId :

Tot Ion: 91 Resp: 506283

Ion Ratio Lower Upper

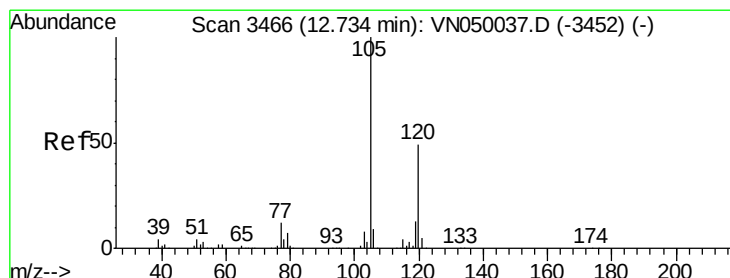
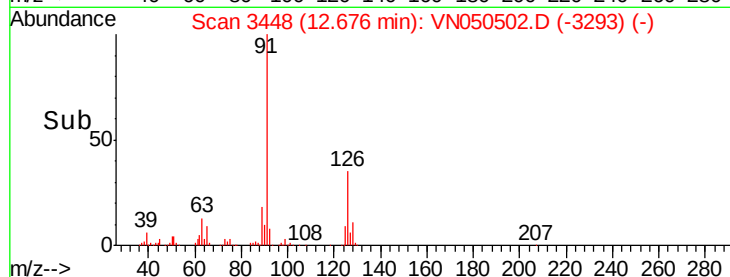
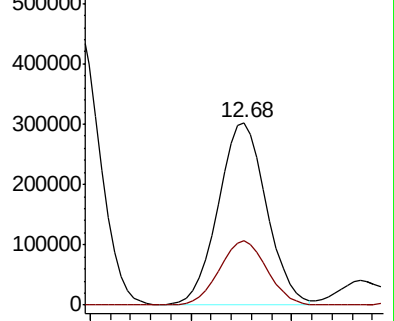
91 100

126 35.0 0.0 68.6



Abundance Ion 91.00 (90.70 to 91.70): VN050037.D (-3436) (-)

Ion 126.00 (125.70 to 126.70): VN050037.D (-3436) (-)



#76

1,3,5-Trimethylbenzene

Concen: 20.01 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. -0.00 min

Lab File: VN050502.D

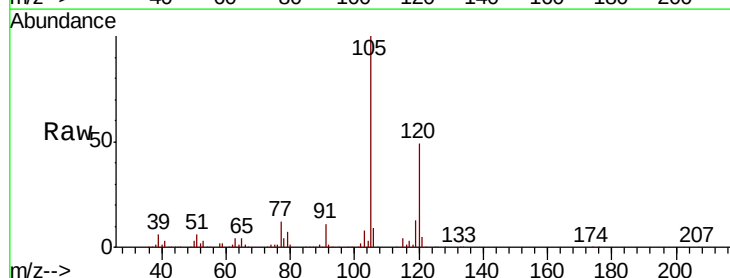
Acq: 9 Aug 2018 22:52

Tgt Ion:105 Resp: 600482

Ion Ratio Lower Upper

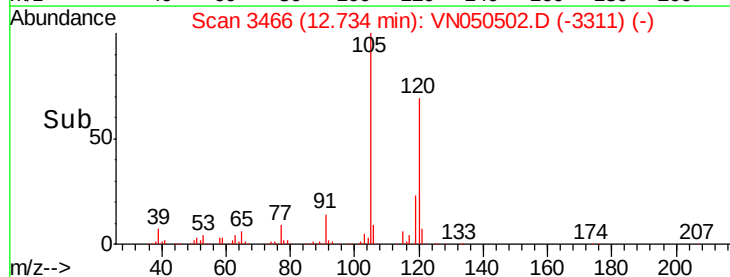
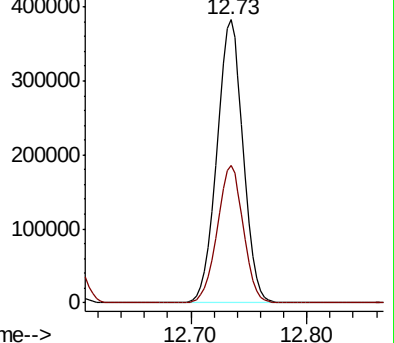
105 100

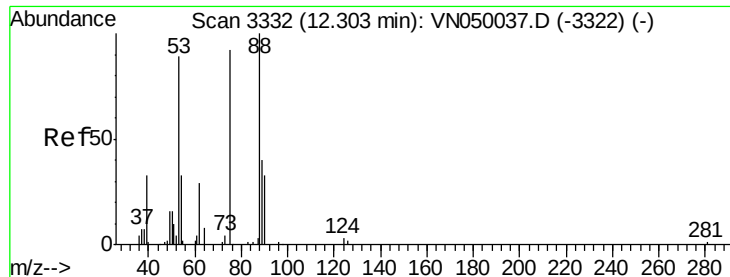
120 48.5 0.0 98.0



Abundance Ion 105.00 (104.70 to 105.70): VN050037.D (-3452) (-)

Ion 120.00 (119.70 to 120.70): VN050037.D (-3452) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 13.73 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. -0.00 min

Lab File: VN050502.D

Acq: 9 Aug 2018 22:52

Instrument :

MSVOA_N

ClientSampleId :

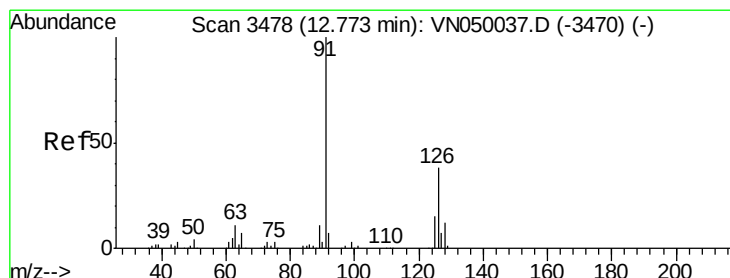
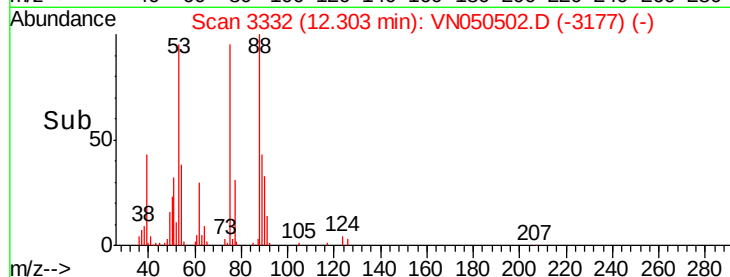
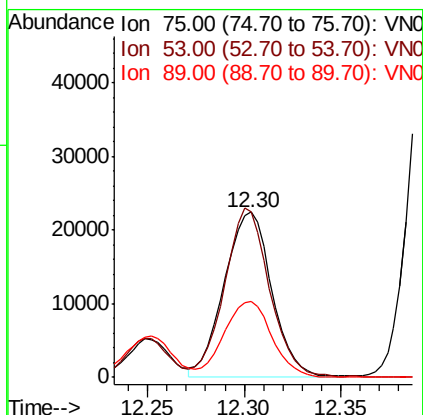
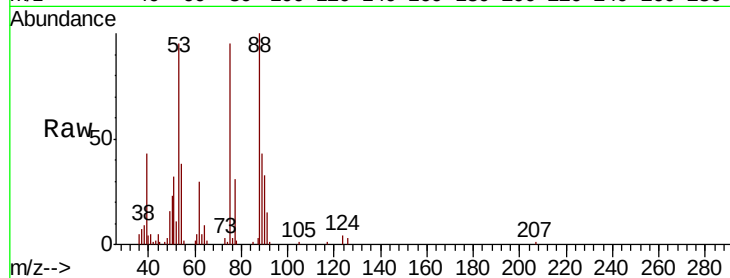
Tot Ion: 75 Resp: 38467

Ion Ratio Lower Upper

75 100

53 100.8 44.6 134.0

89 46.1 20.7 62.1



#78

4-Chlorotoluene

Concen: 19.62 ug/l

RT: 12.77 min Scan# 3478

Delta R.T. -0.00 min

Lab File: VN050502.D

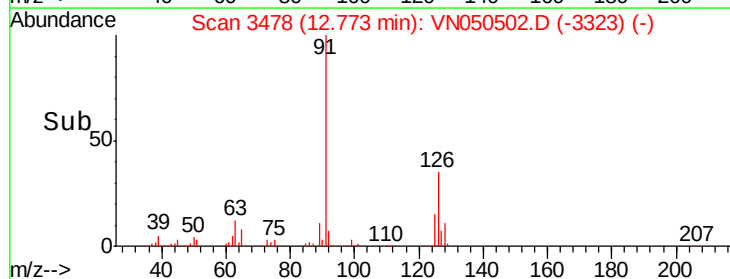
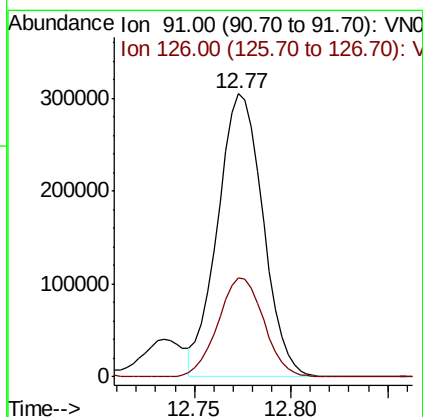
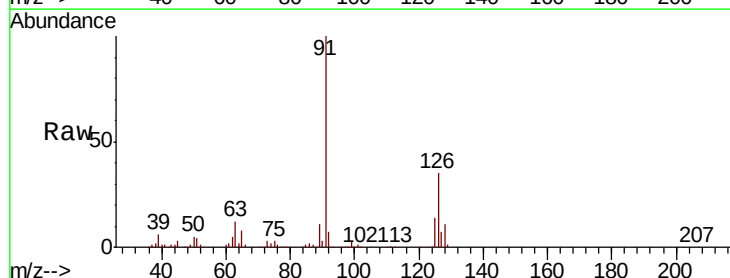
Acq: 9 Aug 2018 22:52

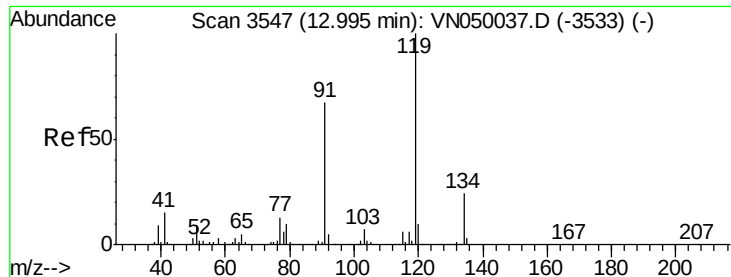
Tgt Ion: 91 Resp: 497045

Ion Ratio Lower Upper

91 100

126 35.4 0.0 68.4

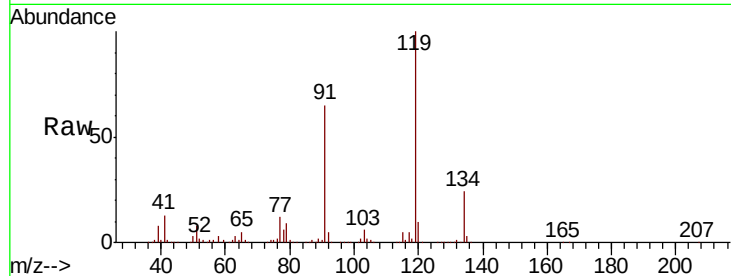




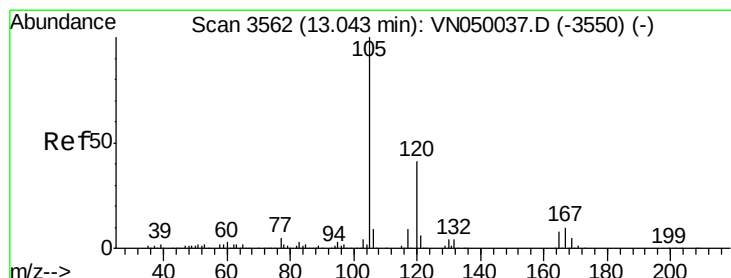
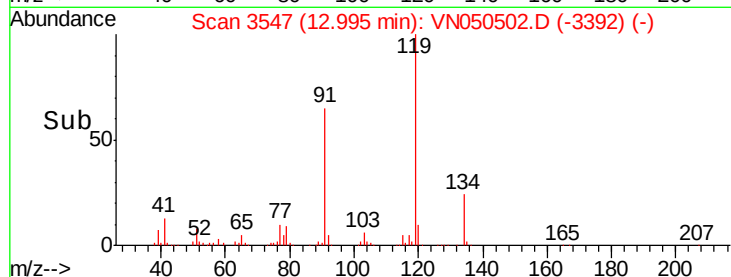
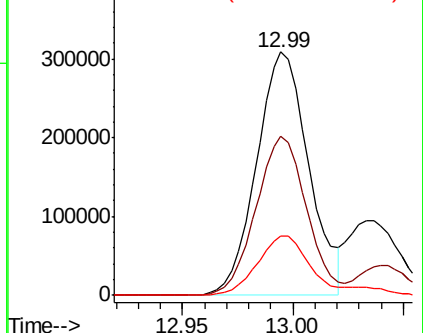
#79
tert-butylbenzene
Concen: 19.74 ug/l
RT: 12.99 min Scan# 3547
Delta R.T. -0.00 min
Lab File: VN050502.D
Acq: 9 Aug 2018 22:52

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:119 Resp: 506488
Ion Ratio Lower Upper
119 100
91 63.6 0.0 126.8
134 24.3 0.0 47.4

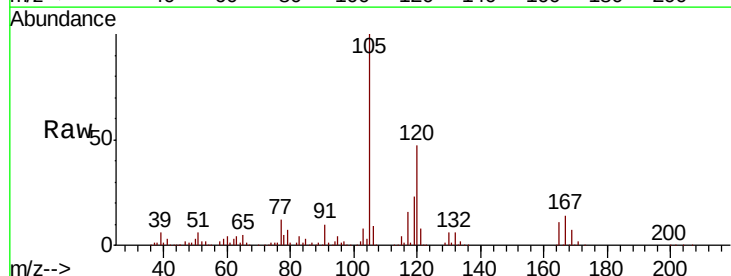


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VN
Ion 134.00 (133.70 to 134.70): V

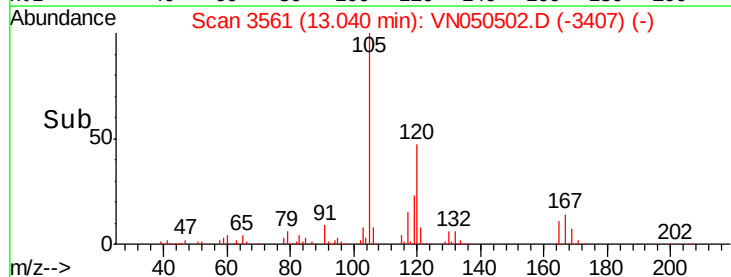
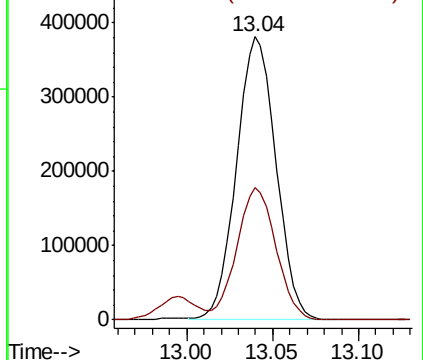


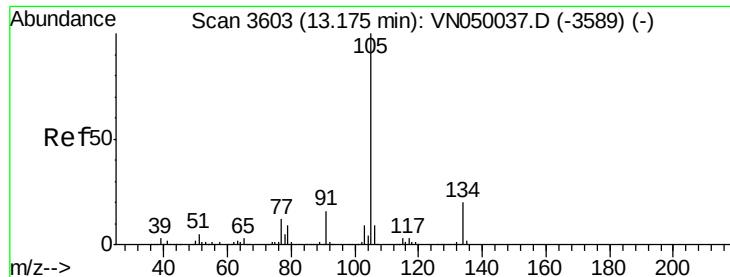
#80
1,2,4-Trimethylbenzene
Concen: 19.91 ug/l
RT: 13.04 min Scan# 3561
Delta R.T. -0.00 min
Lab File: VN050502.D
Acq: 9 Aug 2018 22:52

Tgt Ion:105 Resp: 605343
Ion Ratio Lower Upper
105 100
120 46.5 0.0 90.6



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





#81

sec-Butylbenzene

Concen: 18.92 ug/l

RT: 13.17 min Scan# 3602

Delta R.T. -0.00 min

Lab File: VN050502.D

Acq: 9 Aug 2018 22:52

Instrument :

MSVOA_N

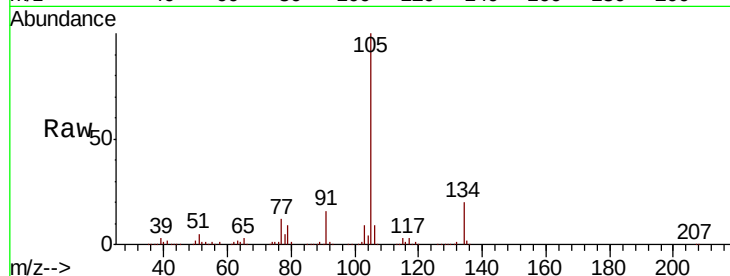
ClientSampled :

Tot Ion:105 Resp: 659404

Ion Ratio Lower Upper

105 100

134 20.2 0.0 40.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

400000

300000

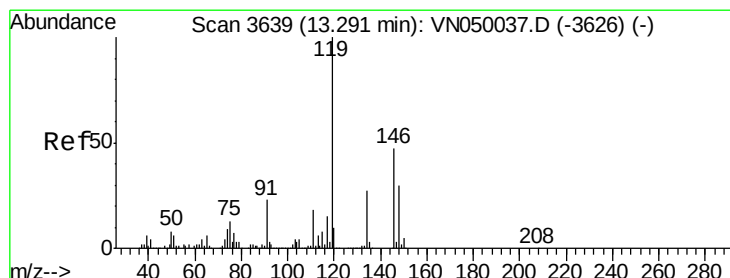
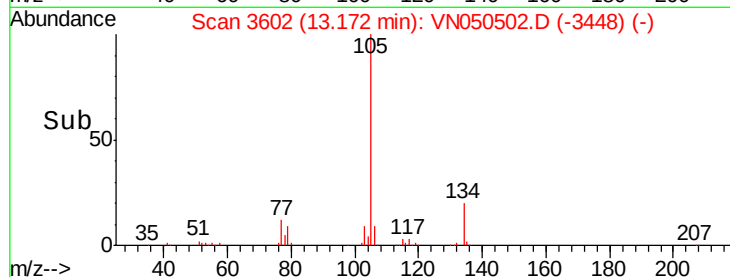
200000

100000

0

13.10 13.15 13.20 13.25

Time-->



#82

p-Isopropyltoluene

Concen: 19.00 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. -0.00 min

Lab File: VN050502.D

Acq: 9 Aug 2018 22:52

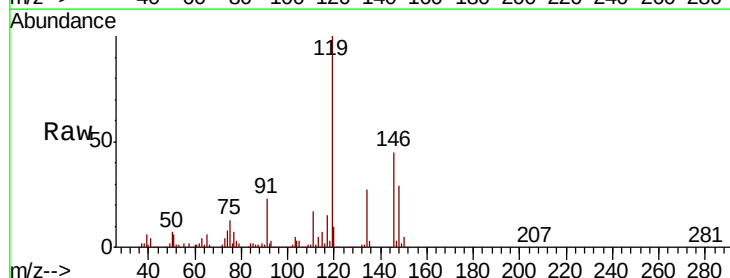
Tgt Ion:119 Resp: 565147

Ion Ratio Lower Upper

119 100

134 26.9 0.0 52.2

91 22.7 0.0 45.6



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

500000

400000

300000

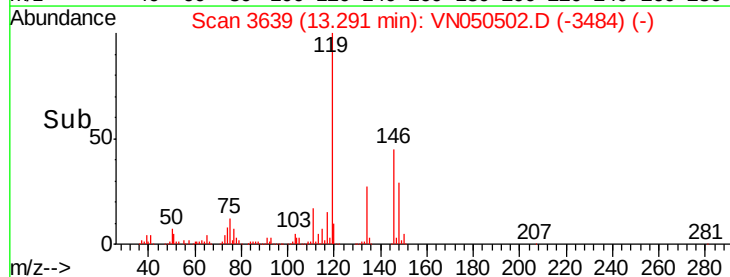
200000

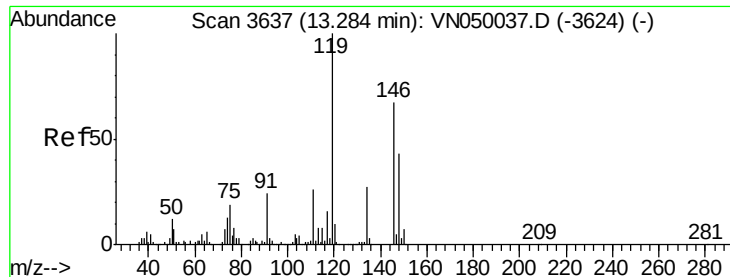
100000

0

13.25 13.30 13.35

Time-->





#83

1,3-Dichlorobenzene

Concen: 19.46 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. -0.00 min

Lab File: VN050502.D

Acq: 9 Aug 2018 22:52

Instrument :

MSVOA_N

ClientSampled :

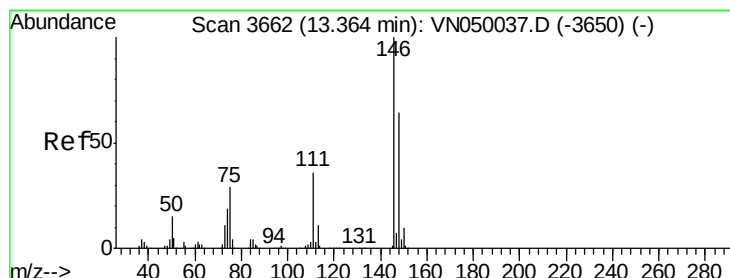
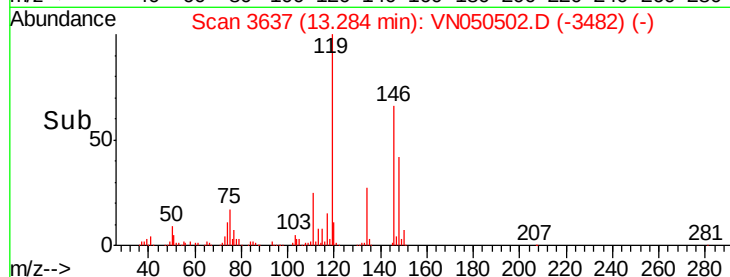
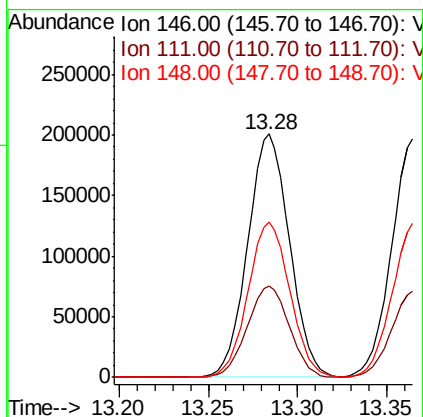
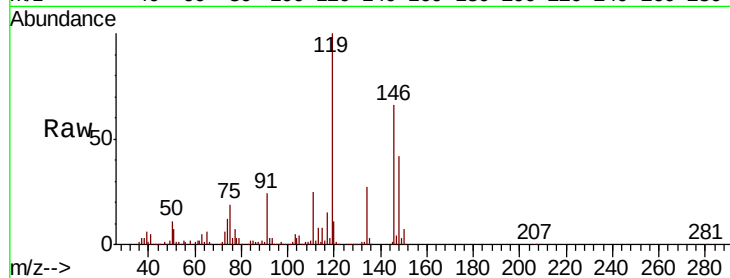
Tot Ion:146 Resp: 329800

Ion Ratio Lower Upper

146 100

111 37.7 19.1 57.1

148 64.0 31.9 95.9



#84

1,4-Dichlorobenzene

Concen: 19.72 ug/l

RT: 13.36 min Scan# 3662

Delta R.T. -0.00 min

Lab File: VN050502.D

Acq: 9 Aug 2018 22:52

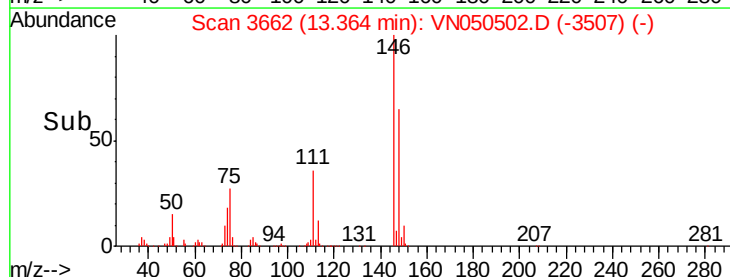
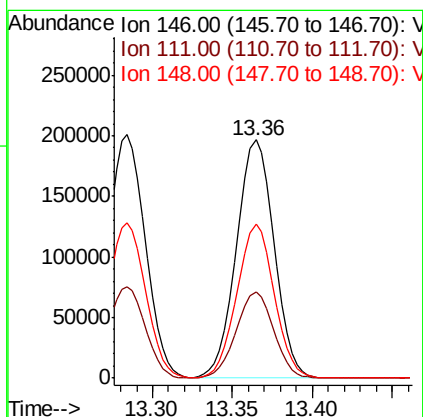
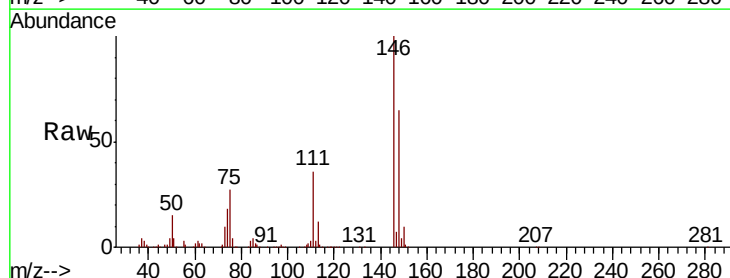
Tgt Ion:146 Resp: 315874

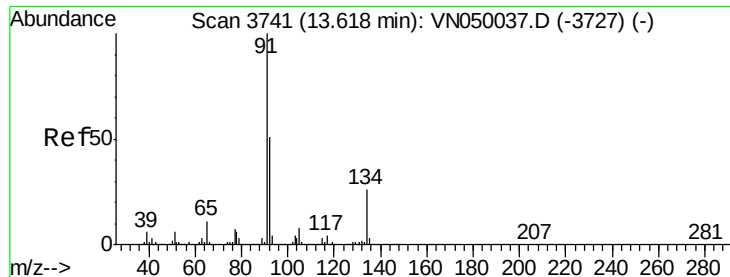
Ion Ratio Lower Upper

146 100

111 35.8 17.9 53.8

148 64.0 32.4 97.0





#85

n-Butylbenzene

Concen: 17.49 ug/l

RT: 13.62 min Scan# 3740

Delta R.T. -0.00 min

Lab File: VN050502.D

Acq: 9 Aug 2018 22:52

Instrument :

MSVOA_N

ClientSampleId :

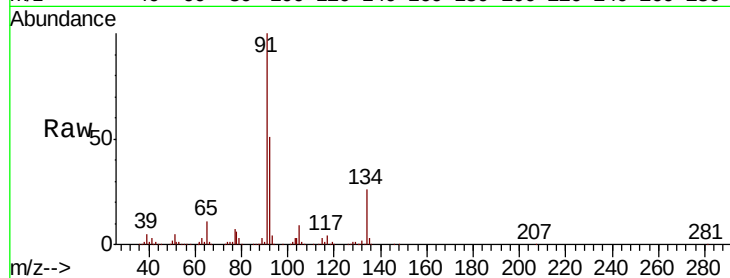
Tot Ion: 91 Resp: 422166

Ion Ratio Lower Upper

91 100

92 51.6 0.0 102.8

134 25.9 0.0 51.0

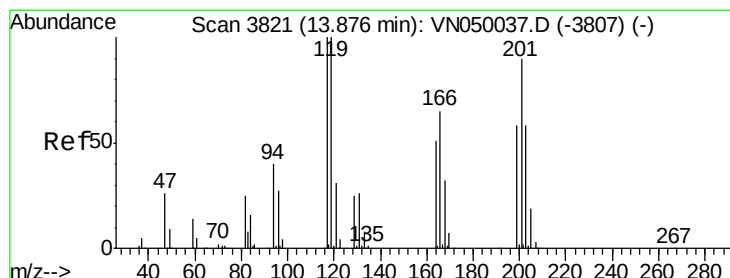
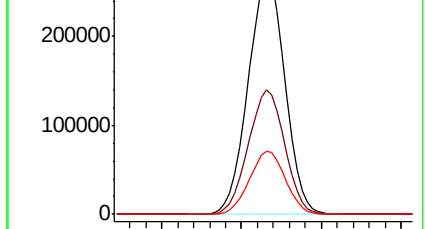
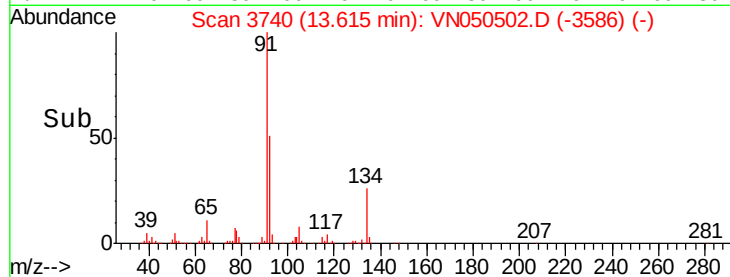


Abundance Ion 91.00 (90.70 to 91.70): VN050037.D (-3727) (-)

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

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

Time-->



#86

Hexachloroethane

Concen: 16.33 ug/l

RT: 13.88 min Scan# 3821

Delta R.T. -0.00 min

Lab File: VN050502.D

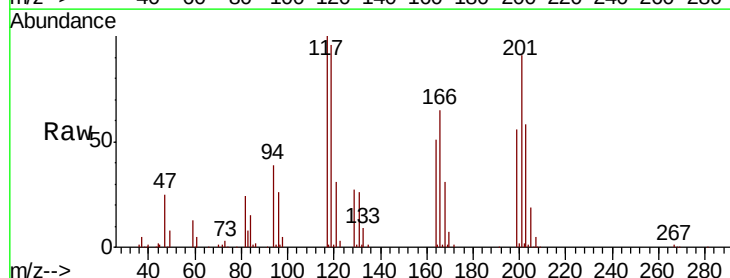
Acq: 9 Aug 2018 22:52

Tgt Ion: 117 Resp: 97028

Ion Ratio Lower Upper

117 100

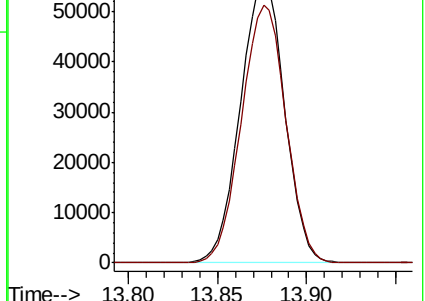
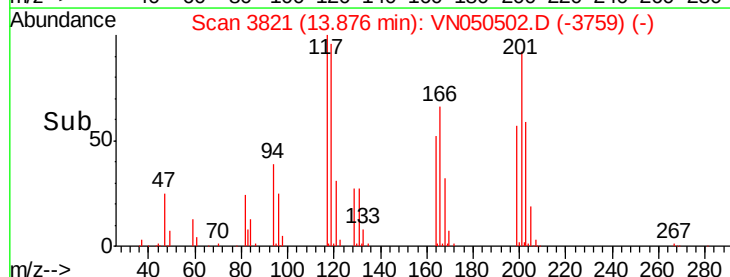
201 91.7 46.6 139.7

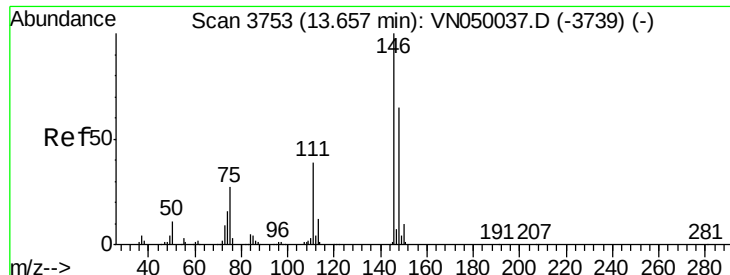


Abundance Ion 117.00 (116.70 to 117.70): VN050037.D (-3807) (-)

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

Time-->

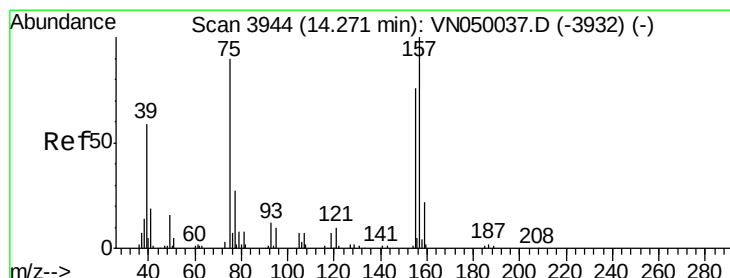
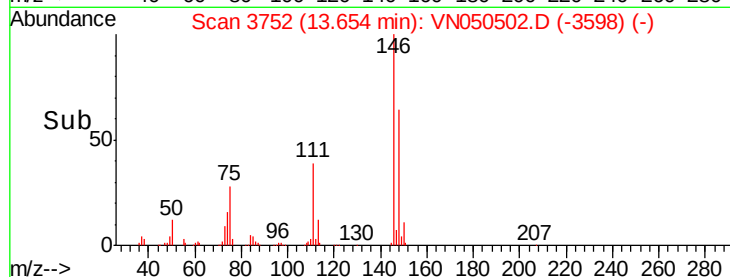
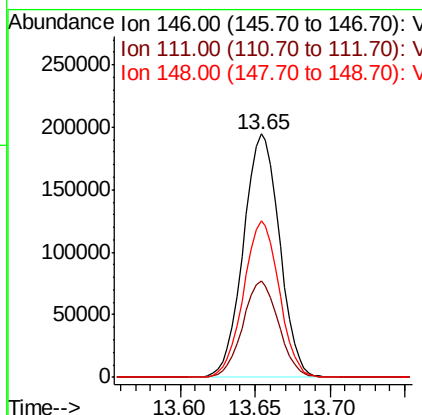
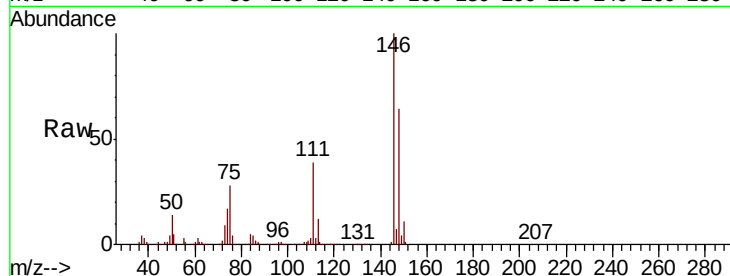




#87
 1,2-Dichlorobenzene
 Concen: 19.77 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. -0.00 min
 Lab File: VN050502.D
 Acq: 9 Aug 2018 22:52

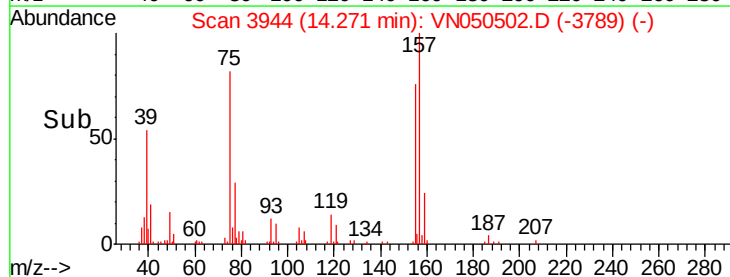
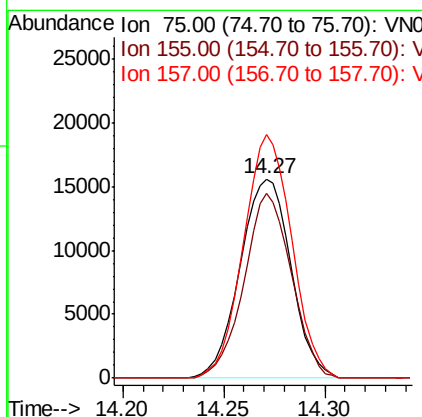
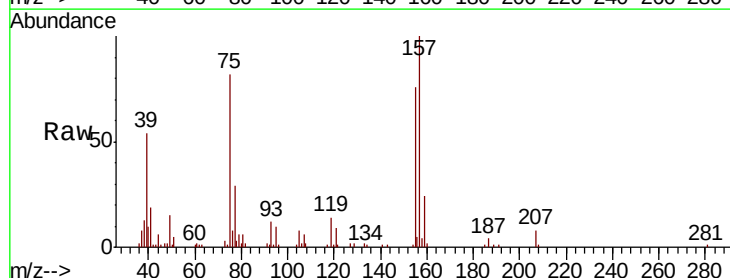
Instrument :
 MSVOA_N
 ClientSampled :

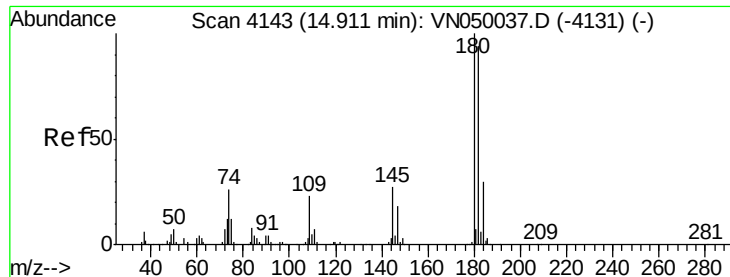
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.8	59.3
148	63.5	31.8	95.3



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 17.63 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. -0.00 min
 Lab File: VN050502.D
 Acq: 9 Aug 2018 22:52

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.1	73.0	109.6
157	116.1	94.9	142.3

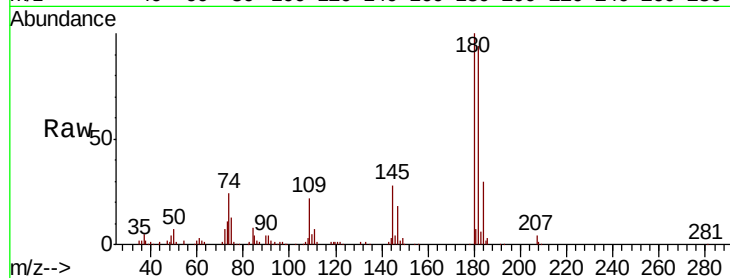




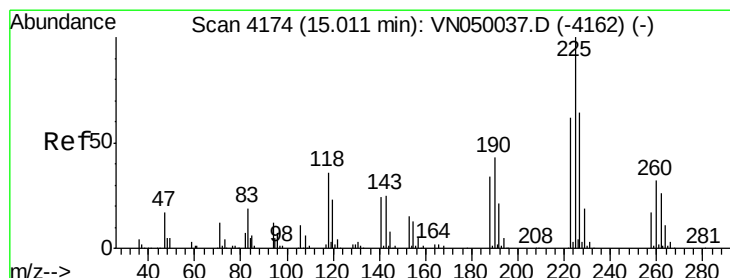
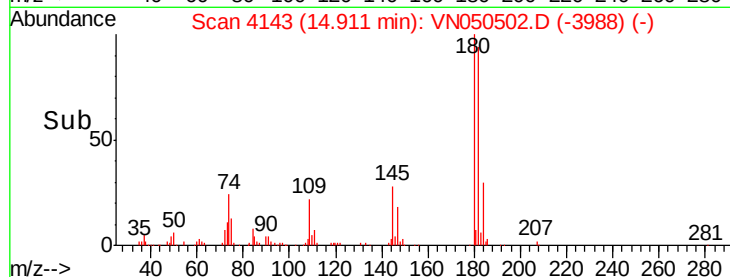
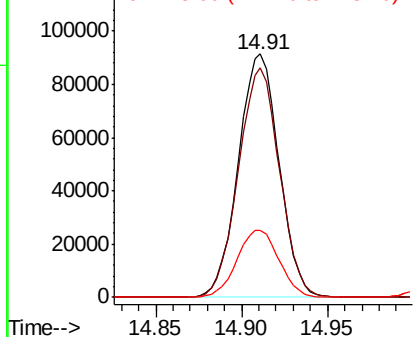
#89
 1,2,4-Trichlorobenzene
 Concen: 19.03 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. -0.00 min
 Lab File: VN050502.D
 Acq: 9 Aug 2018 22:52

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:180 Resp: 150563
 Ion Ratio Lower Upper
 180 100
 182 95.1 76.7 115.1
 145 28.5 23.4 35.0

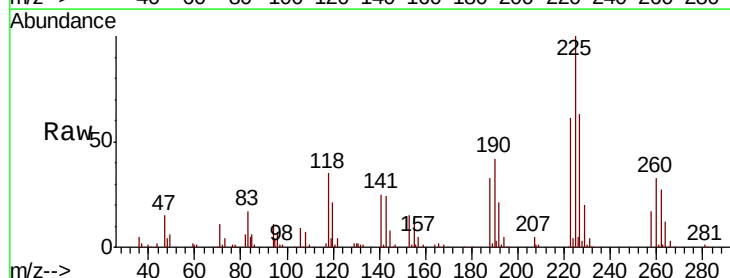


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

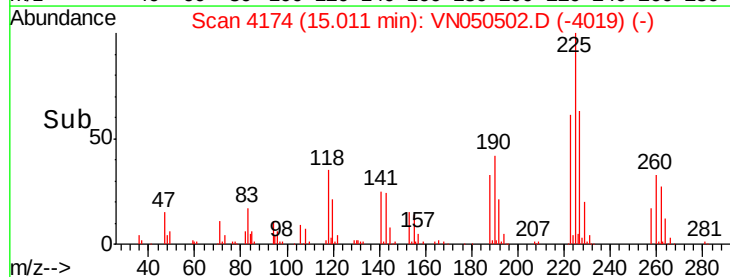
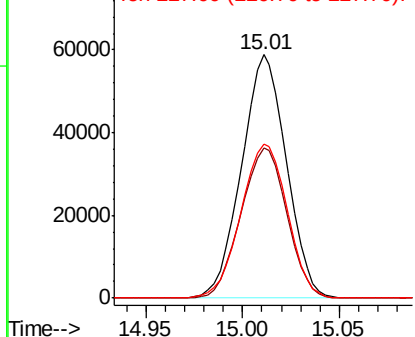


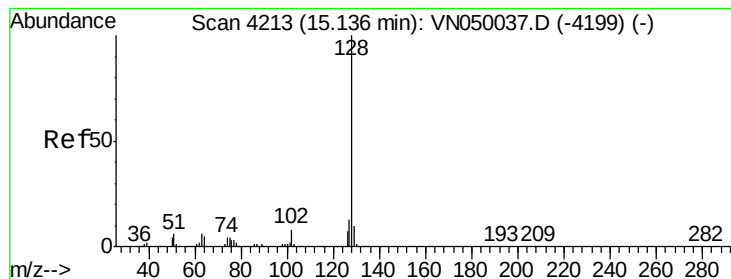
#90
 Hexachlorobutadiene
 Concen: 18.19 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. -0.00 min
 Lab File: VN050502.D
 Acq: 9 Aug 2018 22:52

Tgt Ion:225 Resp: 94915
 Ion Ratio Lower Upper
 225 100
 223 63.2 0.0 124.4
 227 65.4 0.0 133.0



Abundance Ion 225.00 (224.70 to 225.70): V
 Ion 223.00 (222.70 to 223.70): V
 Ion 227.00 (226.70 to 227.70): V





#91

Naphthalene

Concen: 20.10 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. -0.00 min

Lab File: VN050502.D

Acq: 9 Aug 2018 22:52

Instrument :

MSVOA_N

ClientSampled :

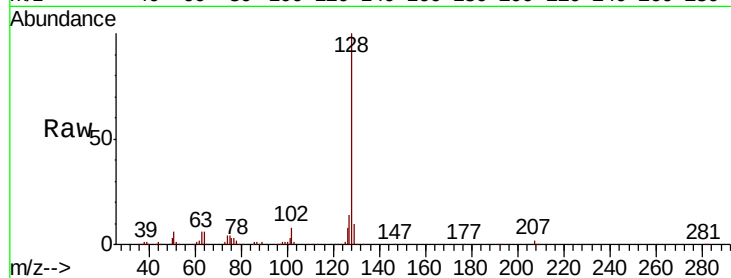
Tot Ion:128 Resp: 309056

Ion Ratio Lower Upper

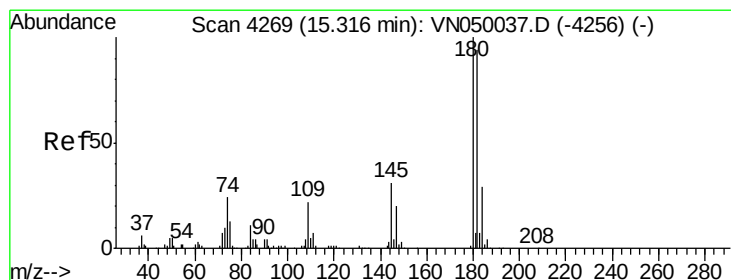
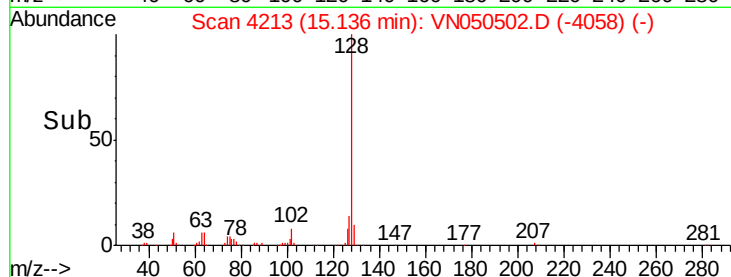
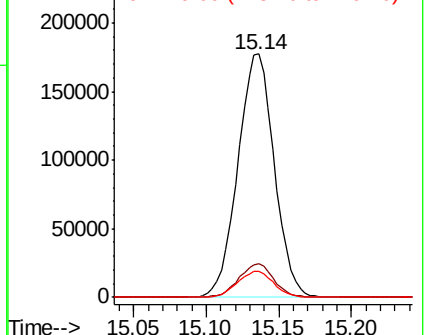
128 100

127 13.4 10.2 15.4

129 10.8 9.0 13.4



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#92

1,2,3-Trichlorobenzene

Concen: 18.90 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. -0.00 min

Lab File: VN050502.D

Acq: 9 Aug 2018 22:52

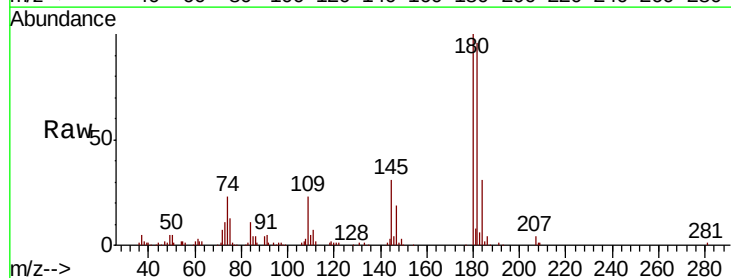
Tgt Ion:180 Resp: 152094

Ion Ratio Lower Upper

180 100

182 94.4 0.0 188.8

145 30.1 0.0 60.8



Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V

