

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081718\
 Data File : VN050719.D
 Acq On : 17 Aug 2018 10:01
 Operator : MD\SY
 Sample : VN0817WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 17 15:25:26 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	117945	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	628212	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	551635	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	235849	29.42	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.07%
60) 4-Bromofluorobenzene	12.40	95	248370	29.31	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.70%
63) Toluene-d8	10.09	98	809791	30.73	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.43%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	126086	15.513	ug/l 96
3) Chloromethane	2.06	50	163051	19.457	ug/l 99
4) Vinyl Chloride	2.18	62	168975	18.940	ug/l 99
5) Bromomethane	2.57	94	98193	18.055	ug/l 97
6) Chloroethane	2.70	64	101625	19.260	ug/l 98
7) Trichlorofluoromethane	3.01	101	221933	19.037	ug/l 100
8) Diethyl Ether	3.41	74	74599	19.076	ug/l 95
9) 1,1,2-Trichlorotrifluoroet	3.76	101	137349	19.366	ug/l 100
10) 1,1-Dichloroethene	3.74	96	124926	19.866	ug/l 91
11) Methyl Iodide	3.95	142	80766	8.729	ug/l 99
12) Methyl Acetate	4.33	43	116399	16.159	ug/l 96
13) Acrolein	3.61	56	37984	85.322	ug/l 98
14) Acrylonitrile	4.99	53	215413	89.618	ug/l 100
15) Acetone	3.82	58	63590	99.545	ug/l 91
16) Carbon Disulfide	4.05	76	371539	19.306	ug/l 99
17) Allyl chloride	4.32	41	189303	19.062	ug/l 96
18) Methylene Chloride	4.55	84	146358	20.169	ug/l 98
19) trans-1,2-Dichloroethene	5.04	96	132896	19.740	ug/l 97
20) Diisopropyl ether	5.96	45	419815	20.617	ug/l 99
21) 1,1-Dichloroethane	5.85	63	257903	20.142	ug/l 98
22) cis-1,2-Dichloroethene	6.83	96	148963	19.952	ug/l 99
23) tert-Butyl Alcohol	4.79	59	38238	71.193	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	321451	18.744	ug/l 100
25) Chloroform	7.37	83	261384	20.166	ug/l 100
26) Cyclohexane	7.65	56	207817	20.425	ug/l # 96
29) 1,1-Dichloropropene	7.79	75	192322	19.727	ug/l 99
30) 2-Butanone	6.84	43	297832	97.352	ug/l 99
31) 2,2-Dichloropropane	6.83	77	200184	18.576	ug/l 100
32) 1,1,1-Trichloroethane	7.57	97	219019	19.086	ug/l 100
33) Carbon Tetrachloride	7.78	117	195206	19.083	ug/l 99
34) Benzene	8.04	78	591443	19.975	ug/l 99
35) Methacrylonitrile	7.18	41	52908	15.189	ug/l 97
36) 1,2-Dichloroethane	8.13	62	180110	18.527	ug/l # 88
37) Trichloroethene	8.84	130	150462	19.376	ug/l 98
38) Methylcyclohexane	9.08	83	189719	18.459	ug/l 99
39) 1,2-Dichloropropane	9.12	63	157292	20.166	ug/l 99
40) Dibromomethane	9.21	93	90838	18.844	ug/l 99

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	194859	19.163	ug/l	96
42) Vinyl Acetate	5.90	43	1328469	92.278	ug/l	100
43) Ethyl Acetate	6.93	43	111091	17.390	ug/l	98
44) Isopropyl Acetate	8.17	43	193943	16.388	ug/l	97
45) 1,4-Dioxane	9.20	88	26121	335.425	ug/l	97
46) Methyl methacrylate	9.20	41	90310	15.742	ug/l	96
47) n-amyl Acetate	12.07	43	147151	15.980	ug/l	97
48) t-1,3-Dichloropropene	10.38	75	178488	18.415	ug/l	98
49) cis-1,3-Dichloropropene	9.84	75	220192	19.334	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	130303	18.831	ug/l	97
51) Ethyl methacrylate	10.43	69	145259	17.295	ug/l	97
52) 1,3-Dichloropropane	10.71	76	216017	19.011	ug/l	100
53) Dibromochloromethane	10.90	129	143938	18.330	ug/l	99
54) 1,2-Dibromoethane	11.01	107	123061	18.159	ug/l	100
55) 2-Chloroethyl vinyl ether	9.70	63	349646	91.986	ug/l	99
56) Bromoform	12.13	173	95597	17.240	ug/l	100
58) 4-Methyl-2-Pentanone	9.99	43	682630	106.348	ug/l	99
59) 2-Hexanone	10.75	43	426465	97.388	ug/l	100
61) Tetrachloroethene	10.63	164	140696	18.830	ug/l	99
62) Toluene	10.16	91	634564	20.162	ug/l	99
64) Chlorobenzene	11.43	112	377998	19.806	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	146373	19.663	ug/l	100
66) Ethyl Benzene	11.51	91	619066	19.248	ug/l	99
67) m/p-Xylenes	11.62	106	491162	39.681	ug/l	99
68) o-Xylene	11.95	106	230446	19.568	ug/l	99
69) Styrene	11.97	104	368306	19.509	ug/l	99
70) Isopropylbenzene	12.25	105	613141	19.549	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.51	83	157238	18.259	ug/l	98
72) 1,2,3-Trichloropropane	12.55	75	179348	24.385	ug/l	58
73) Bromobenzene	12.53	156	158862	19.014	ug/l	99
74) n-propylbenzene	12.59	91	691995	18.944	ug/l	100
75) 2-Chlorotoluene	12.68	91	427466	19.483	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	508735	19.748	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	34709	14.434	ug/l	93
78) 4-Chlorotoluene	12.77	91	417125	19.185	ug/l	99
79) tert-butylbenzene	12.99	119	418185	18.987	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	507462	19.443	ug/l	98
81) sec-Butylbenzene	13.17	105	566844	18.946	ug/l	100
82) p-Isopropyltoluene	13.29	119	477207	18.693	ug/l	98
83) 1,3-Dichlorobenzene	13.28	146	268016	18.422	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	249239	18.129	ug/l	99
85) n-Butylbenzene	13.62	91	349943	16.891	ug/l	99
86) Hexachloroethane	13.88	117	90926	17.824	ug/l	97
87) 1,2-Dichlorobenzene	13.65	146	263325	18.517	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	20534	15.307	ug/l	98
89) 1,2,4-Trichlorobenzene	14.91	180	102872	15.145	ug/l	97
90) Hexachlorobutadiene	15.01	225	80468	17.968	ug/l	98
91) Naphthalene	15.13	128	187544	16.449	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	103521	14.986	ug/l	98

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QLast Update : Thu Jul 26 15:21:50 2018
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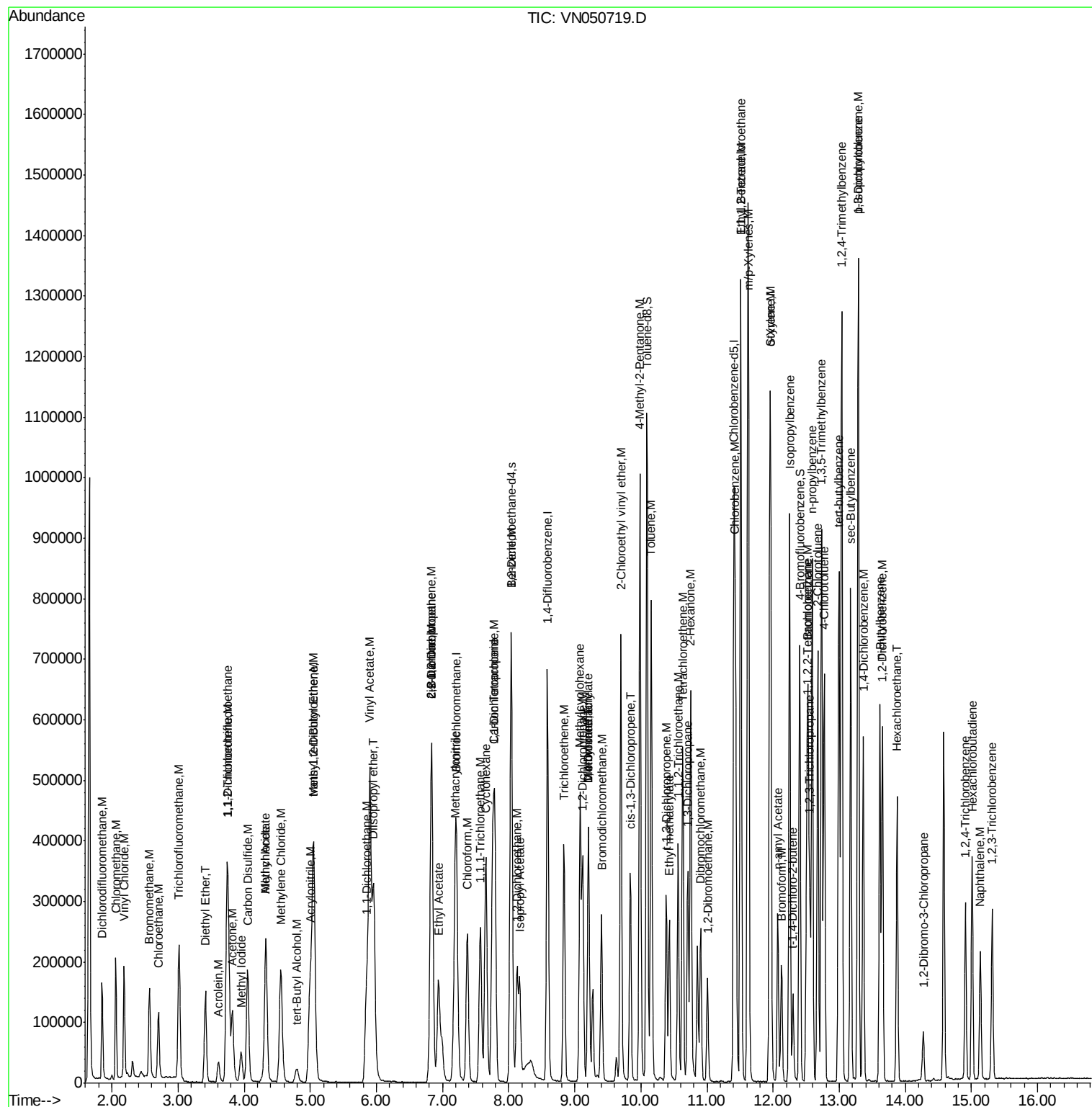
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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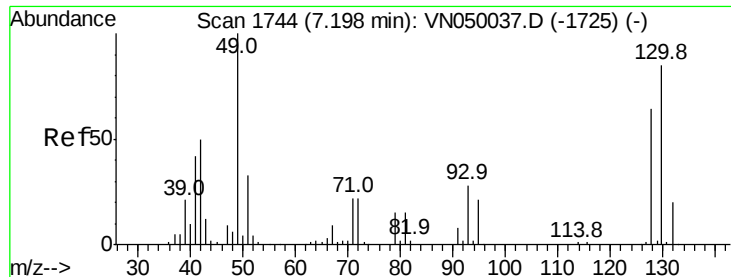
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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 ClientSampleId :

Quant Time: Aug 17 15:25:26 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: 30.000 ug/l

RT: 7.20 min Scan# 1744

Delta R.T. 0.00 min

Lab File: VN050719.D

Acq: 17 Aug 2018 10:01

Instrument :
MSVOA_N
ClientSampled :

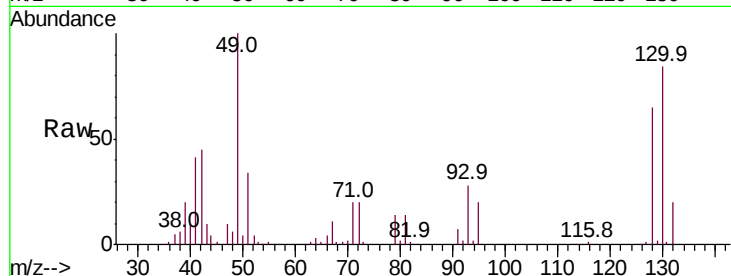
Tot Ion:128 Resp: 117945

Ion Ratio Lower Upper

128 100

49 155.8 0.0 378.3

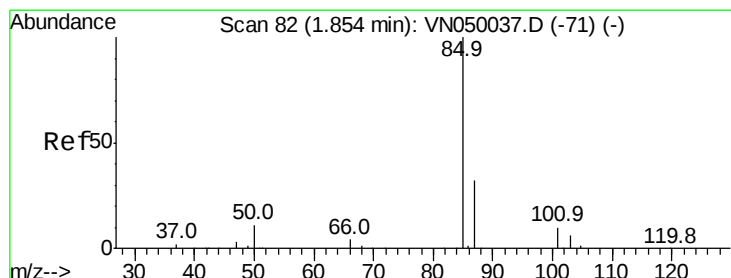
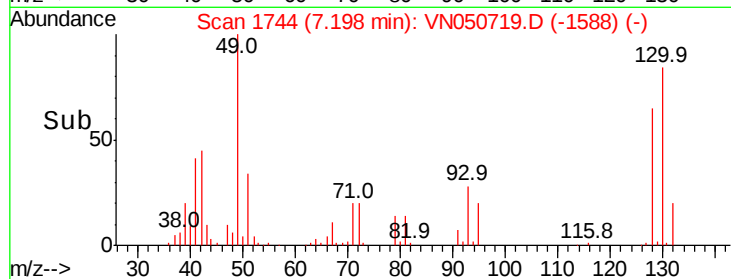
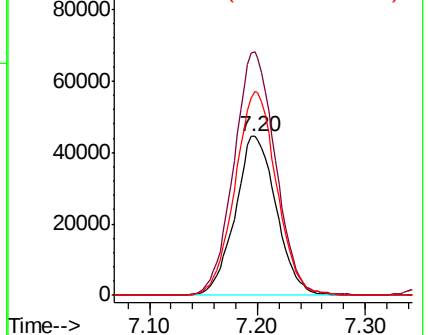
130 130.0 0.0 320.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 15.513 ug/l

RT: 1.85 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN050719.D

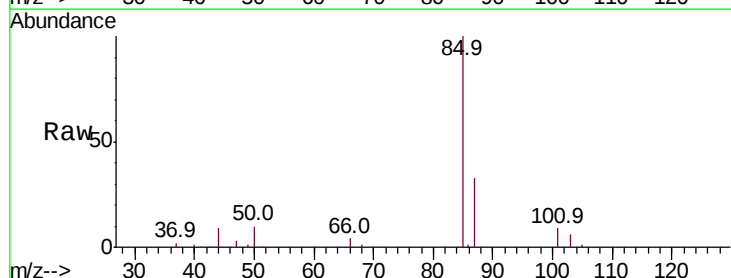
Acq: 17 Aug 2018 10:01

Tgt Ion: 85 Resp: 126086

Ion Ratio Lower Upper

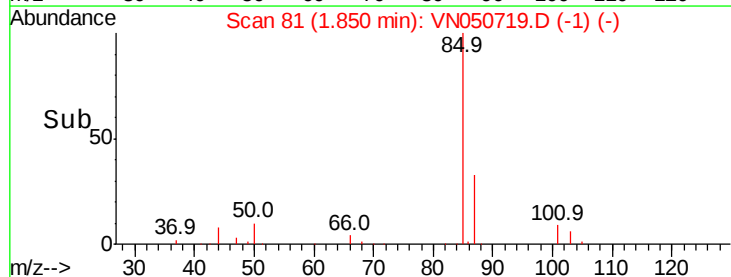
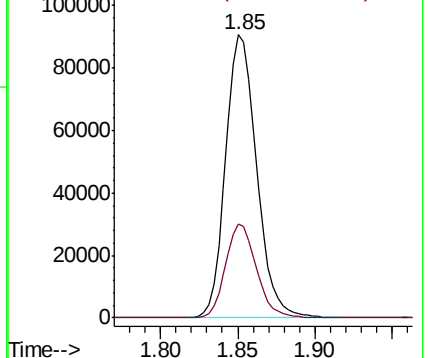
85 100

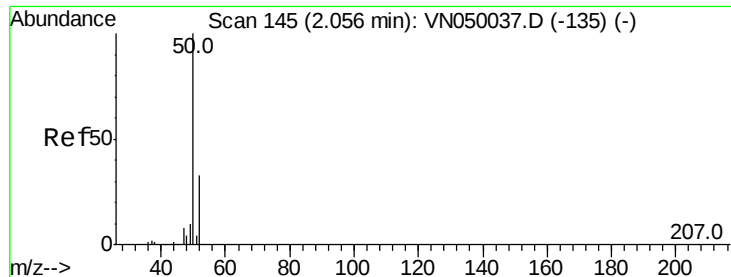
87 33.1 15.4 46.4



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#3

Chloromethane

Concen: 19.457 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN050719.D

Acq: 17 Aug 2018 10:01

Instrument :

MSVOA_N

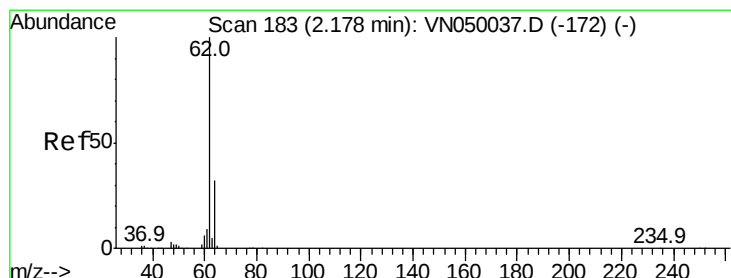
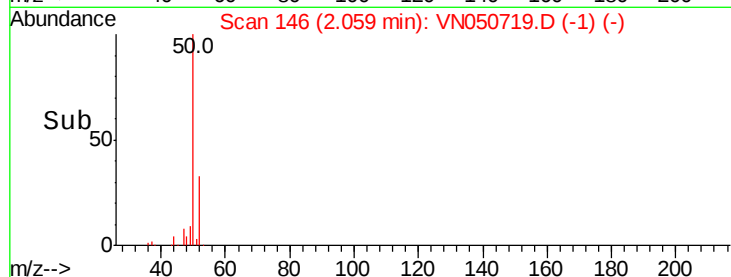
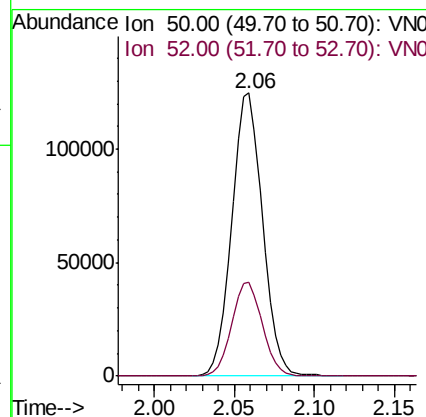
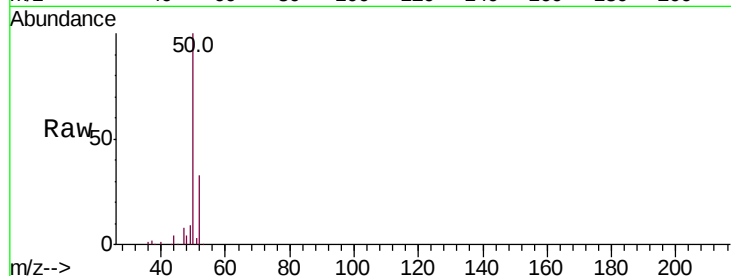
ClientSampled :

Tot Ion: 50 Resp: 163051

Ion Ratio Lower Upper

50 100

52 33.1 26.1 39.1



#4

Vinyl Chloride

Concen: 18.940 ug/l

RT: 2.18 min Scan# 184

Delta R.T. 0.00 min

Lab File: VN050719.D

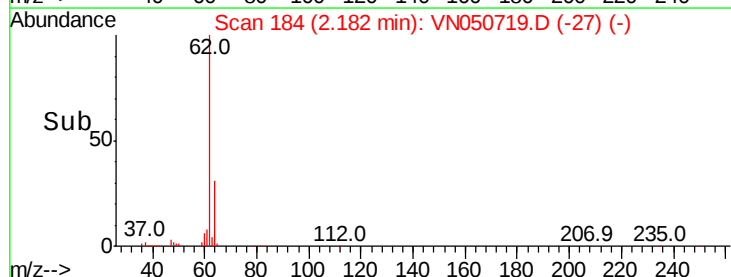
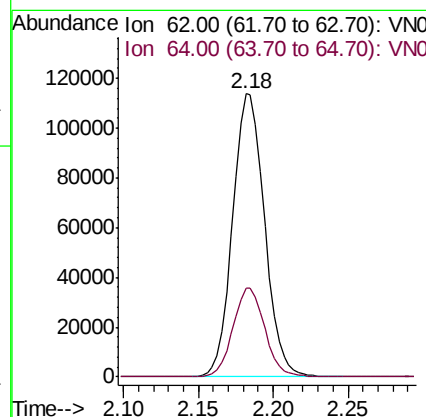
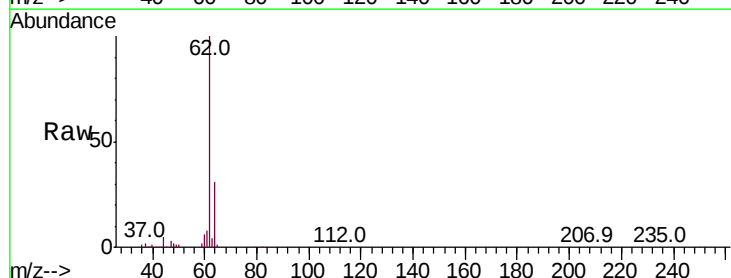
Acq: 17 Aug 2018 10:01

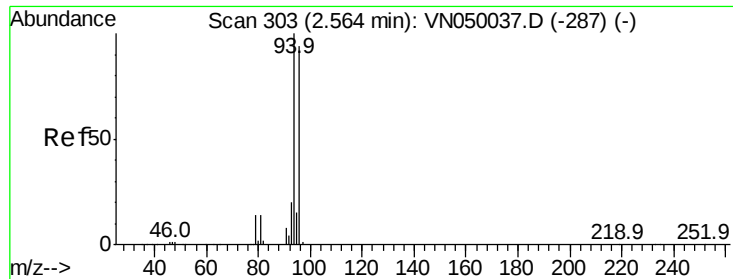
Tgt Ion: 62 Resp: 168975

Ion Ratio Lower Upper

62 100

64 31.3 24.4 36.6





#5

Bromomethane

Concen: 18.055 ug/l

RT: 2.57 min Scan# 304

Delta R.T. 0.00 min

Lab File: VN050719.D

Acq: 17 Aug 2018 10:01

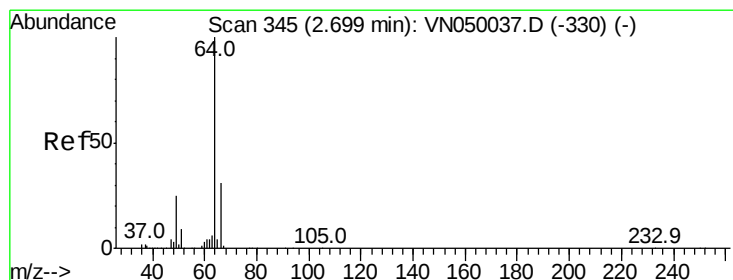
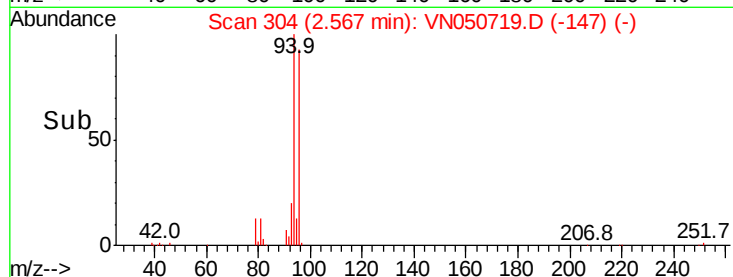
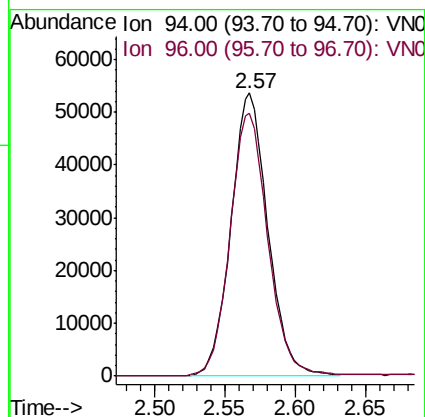
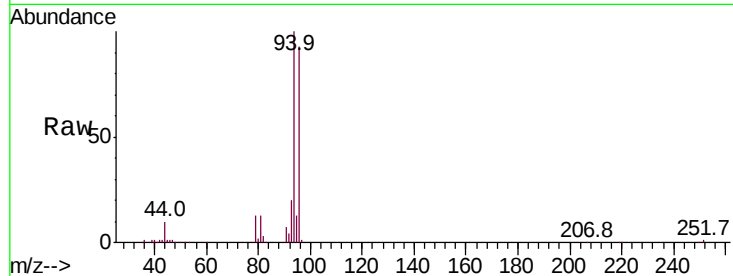
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 94 Resp: 98193

Ion Ratio Lower Upper

94 100

96 92.5 75.9 113.9



#6

Chloroethane

Concen: 19.260 ug/l

RT: 2.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VN050719.D

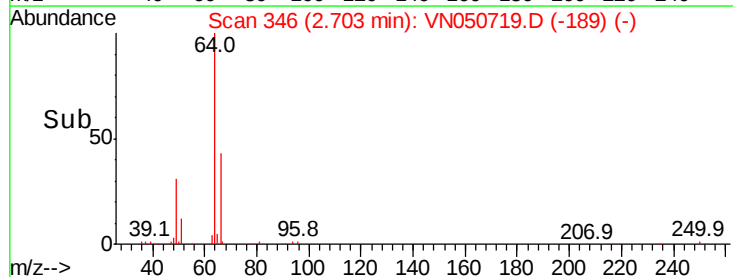
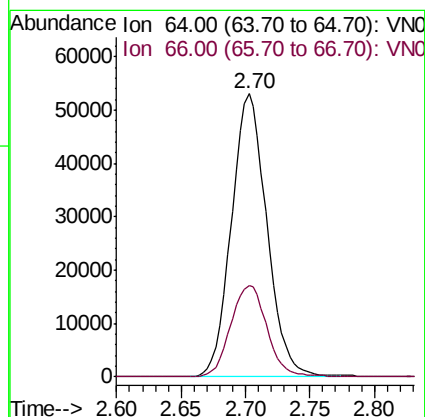
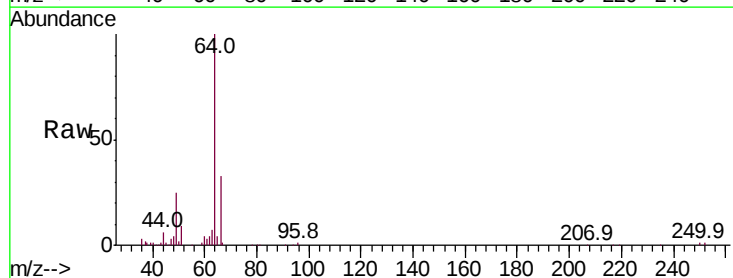
Acq: 17 Aug 2018 10:01

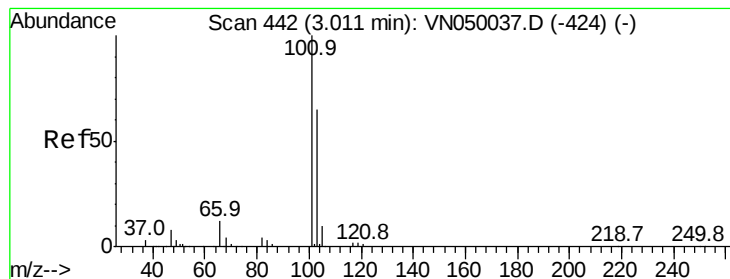
Tgt Ion: 64 Resp: 101625

Ion Ratio Lower Upper

64 100

66 32.5 25.0 37.4



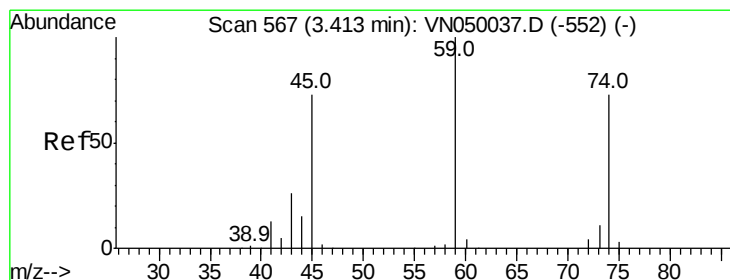
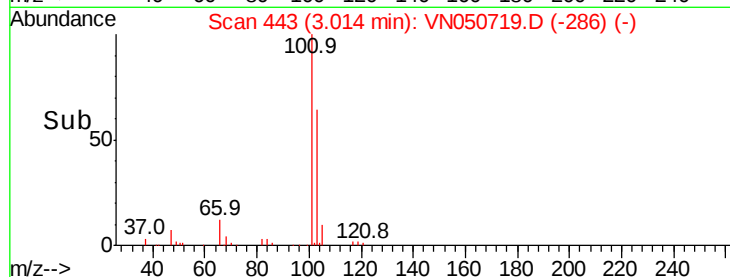
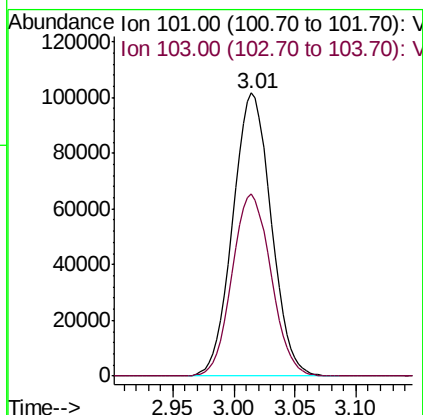
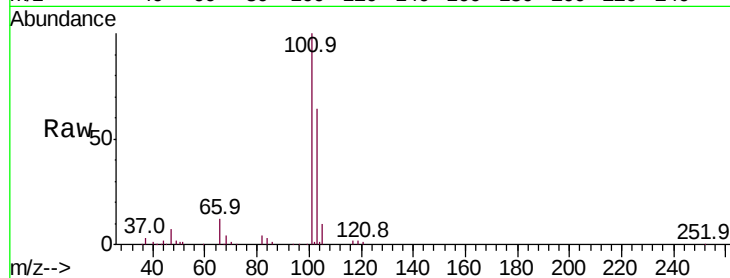


#7

Trichlorofluoromethane
 Concen: 19.037 ug/l
 RT: 3.01 min Scan# 443
 Delta R.T. 0.00 min
 Lab File: VN050719.D
 Acq: 17 Aug 2018 10:01

Instrument :
 MSVOA_N
 ClientSampled :

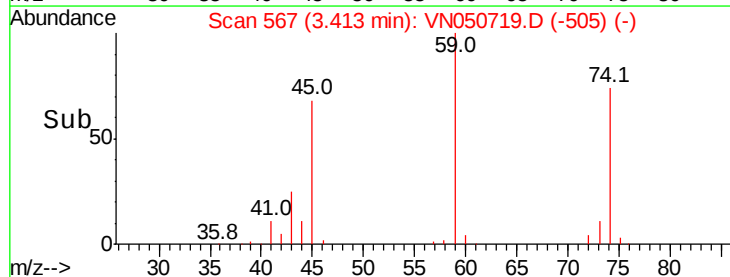
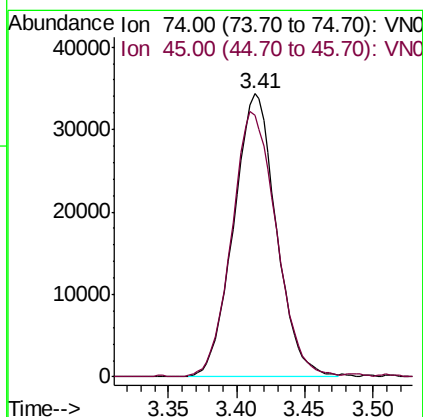
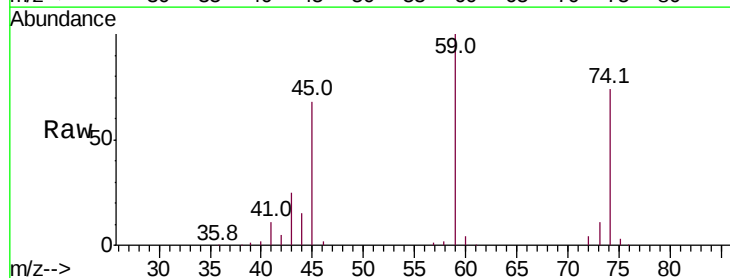
Tot Ion:101 Resp: 221933
 Ion Ratio Lower Upper
 101 100
 103 64.2 51.5 77.3

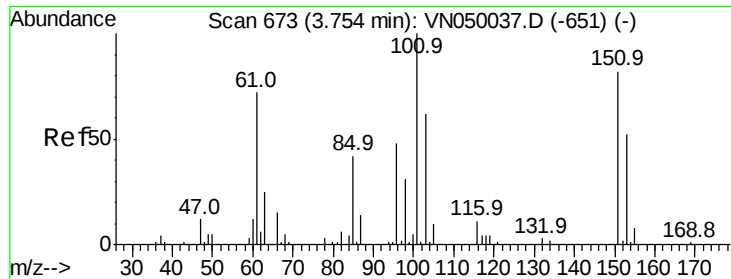


#8

Diethyl Ether
 Concen: 19.076 ug/l
 RT: 3.41 min Scan# 567
 Delta R.T. 0.00 min
 Lab File: VN050719.D
 Acq: 17 Aug 2018 10:01

Tgt Ion: 74 Resp: 74599
 Ion Ratio Lower Upper
 74 100
 45 98.2 18.7 167.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.366 ug/l

RT: 3.76 min Scan# 674

Delta R.T. 0.00 min

Lab File: VN050719.D

Acq: 17 Aug 2018 10:01

Instrument :

MSVOA_N

ClientSampled :

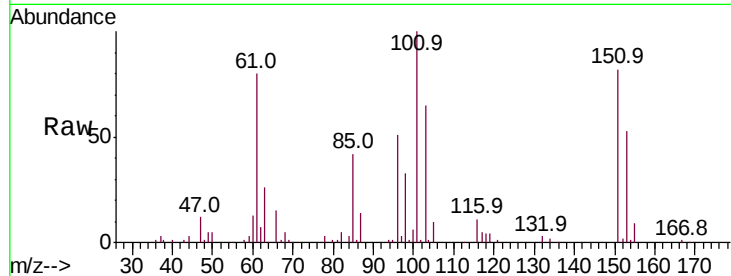
Tot Ion:101 Resp: 137349

Ion Ratio Lower Upper

101 100

85 41.5 0.0 83.0

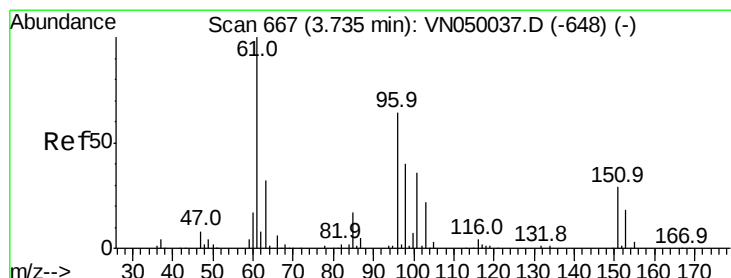
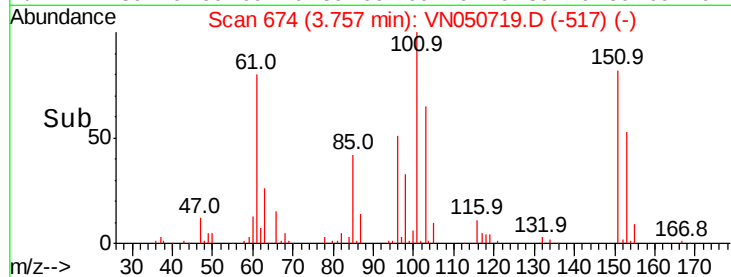
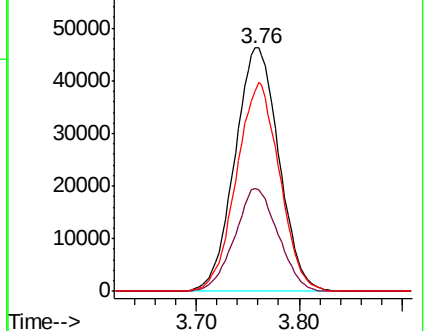
151 83.7 0.0 166.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VNO

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 19.866 ug/l

RT: 3.74 min Scan# 668

Delta R.T. 0.00 min

Lab File: VN050719.D

Acq: 17 Aug 2018 10:01

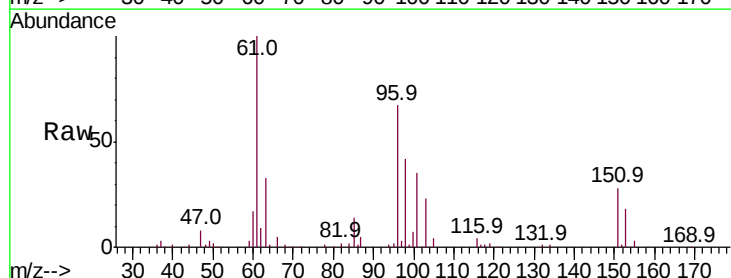
Tgt Ion: 96 Resp: 124926

Ion Ratio Lower Upper

96 100

61 149.7 130.6 195.8

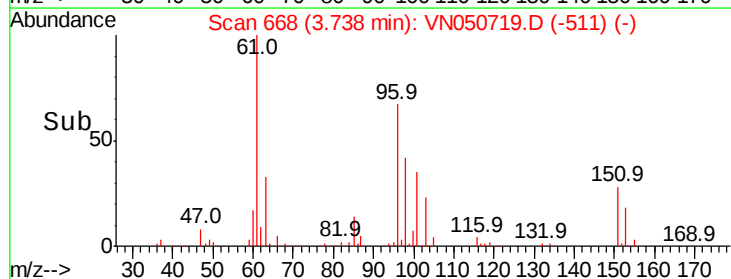
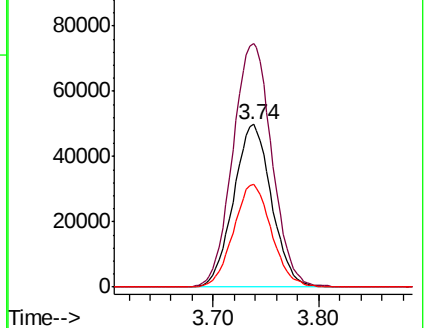
98 63.0 53.5 80.3

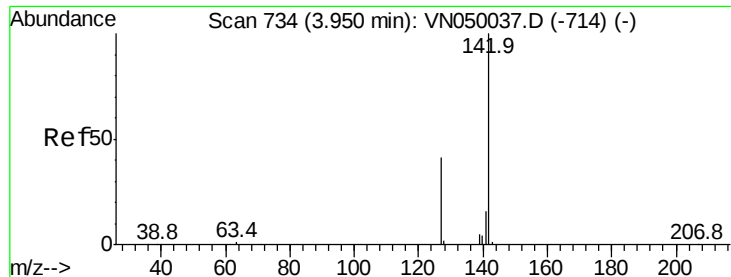


Abundance Ion 96.00 (95.70 to 96.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 98.00 (97.70 to 98.70): VNO

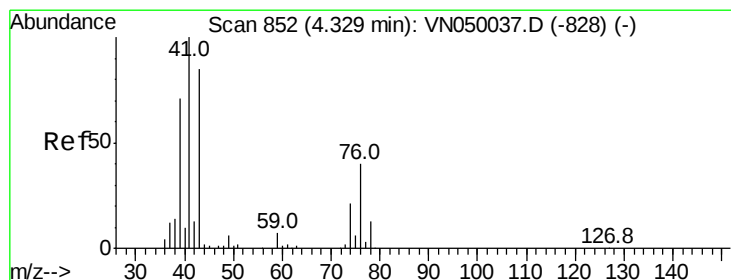
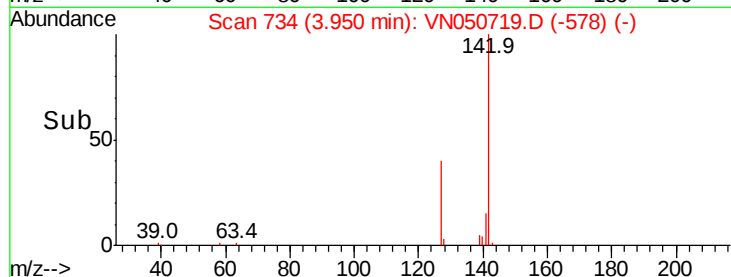
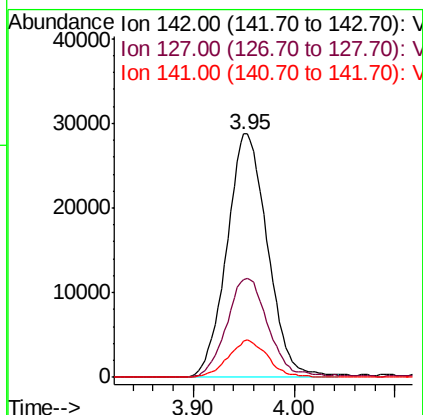
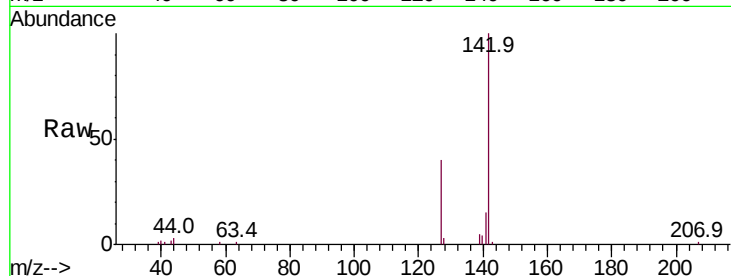




#11
Methvl Iodide
Concen: 8.729 ug/l
RT: 3.95 min Scan# 734
Delta R.T. 0.00 min
Lab File: VN050719.D
Acq: 17 Aug 2018 10:01

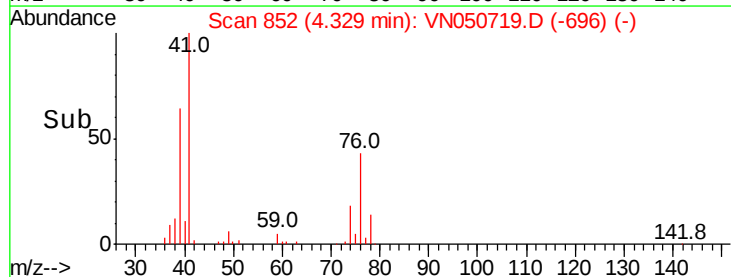
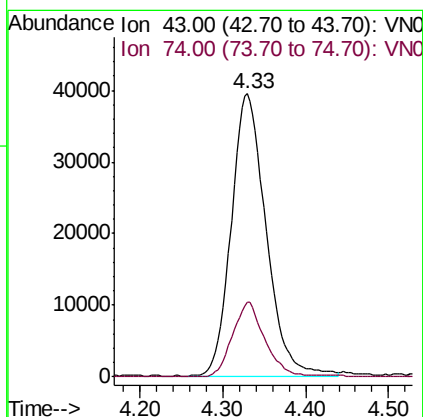
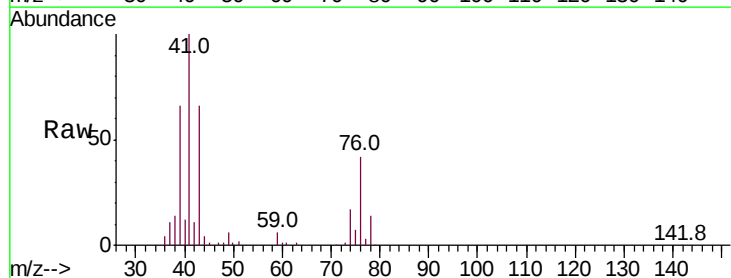
Instrument :
MSVOA_N
ClientSampleId :

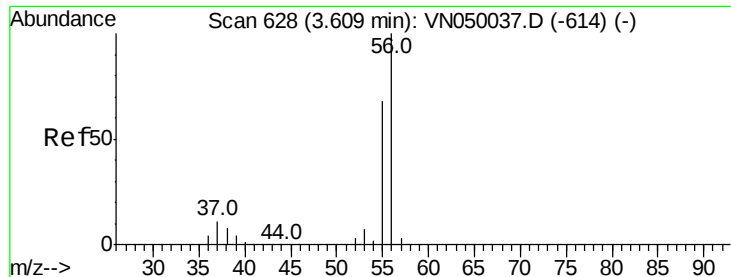
Tot Ion:142 Resp: 80766
Ion Ratio Lower Upper
142 100
127 39.7 20.2 60.5
141 14.8 6.9 20.6



#12
Methyl Acetate
Concen: 16.159 ug/l
RT: 4.33 min Scan# 852
Delta R.T. 0.00 min
Lab File: VN050719.D
Acq: 17 Aug 2018 10:01

Tgt Ion: 43 Resp: 116399
Ion Ratio Lower Upper
43 100
74 26.2 19.3 28.9





#13

Acrolein

Concen: 85.322 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN050719.D

Acq: 17 Aug 2018 10:01

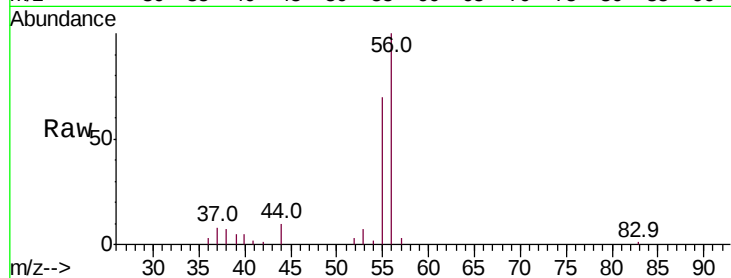
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 37984

Ion Ratio Lower Upper

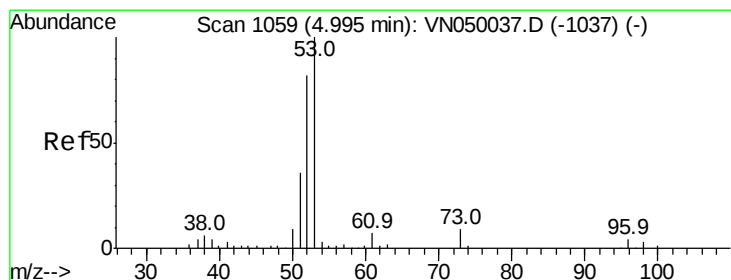
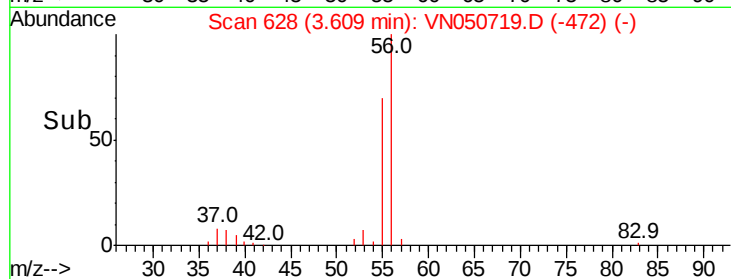
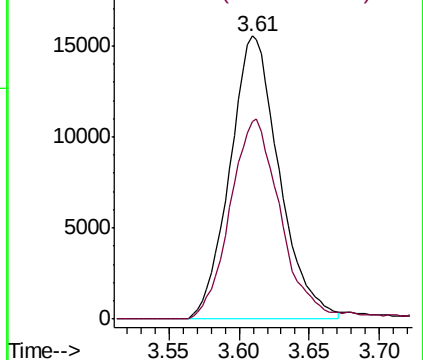
56 100

55 71.7 58.6 88.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 89.618 ug/l

RT: 4.99 min Scan# 1058

Delta R.T. -0.00 min

Lab File: VN050719.D

Acq: 17 Aug 2018 10:01

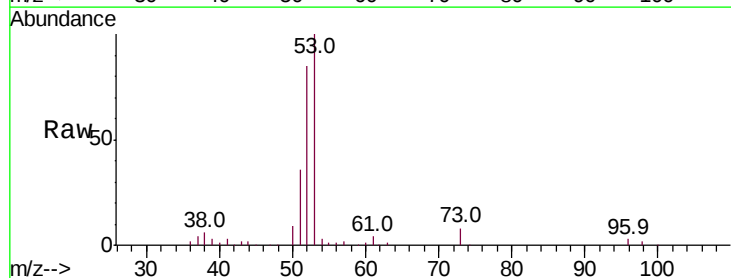
Tgt Ion: 53 Resp: 215413

Ion Ratio Lower Upper

53 100

52 83.2 41.5 124.5

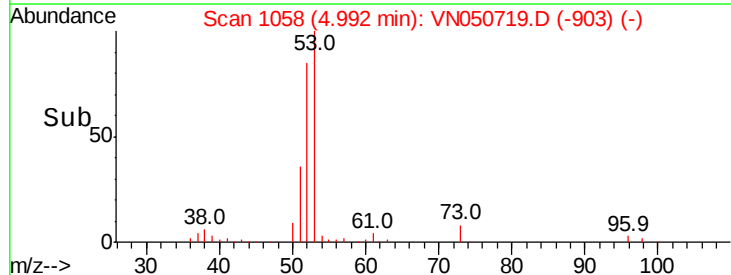
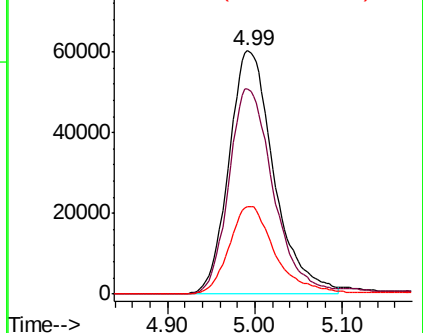
51 37.1 18.7 56.1

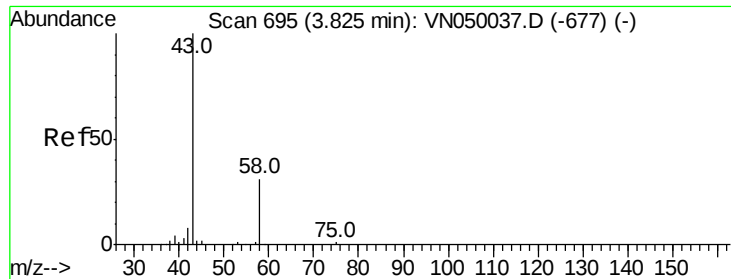


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 99.545 ug/l

RT: 3.82 min Scan# 694

Delta R.T. -0.00 min

Lab File: VN050719.D

Acq: 17 Aug 2018 10:01

Instrument :

MSVOA_N

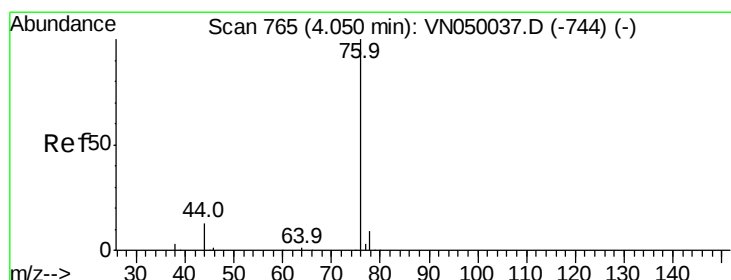
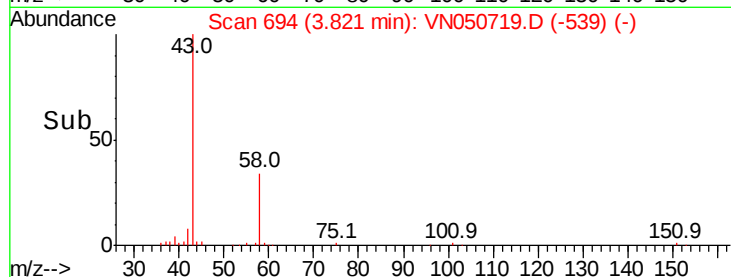
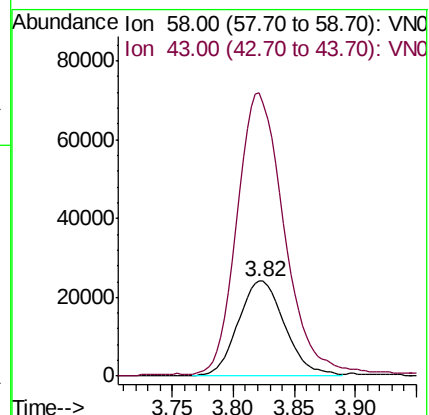
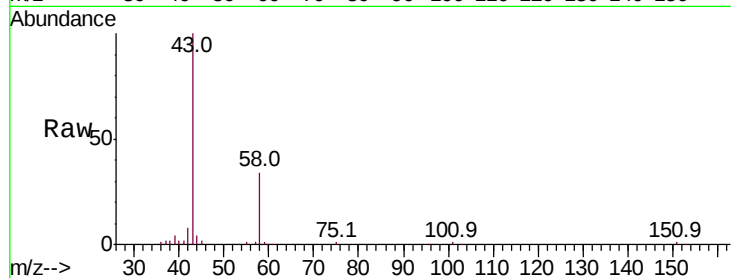
ClientSampled :

Tot Ion: 58 Resp: 63590

Ion Ratio Lower Upper

58 100

43 297.2 252.0 378.0



#16

Carbon Disulfide

Concen: 19.306 ug/l

RT: 4.05 min Scan# 766

Delta R.T. 0.00 min

Lab File: VN050719.D

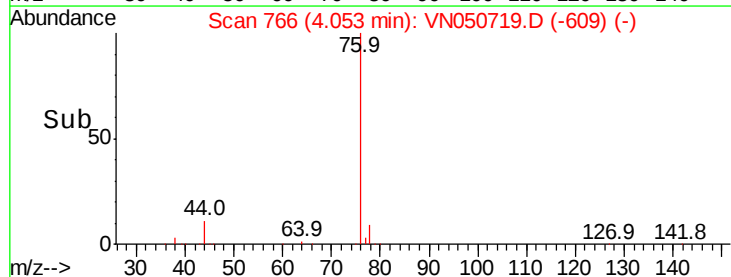
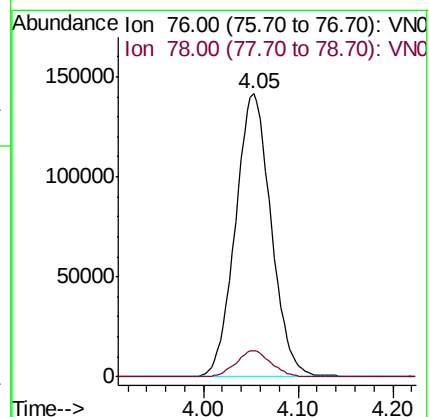
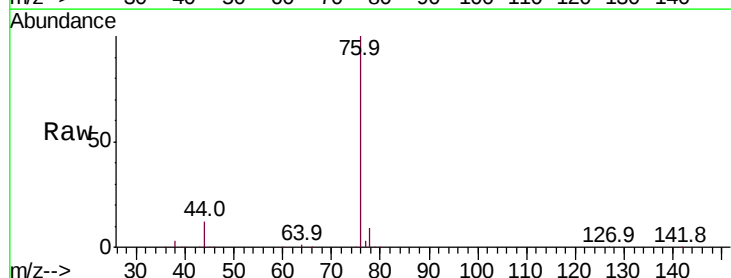
Acq: 17 Aug 2018 10:01

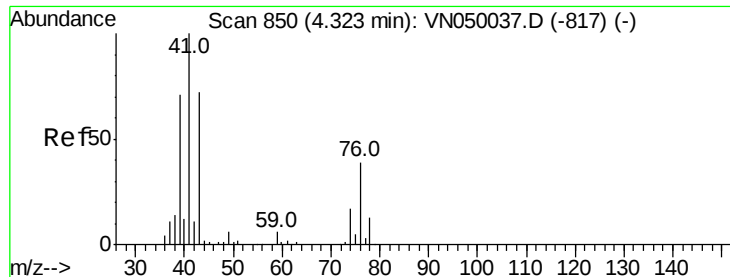
Tgt Ion: 76 Resp: 371539

Ion Ratio Lower Upper

76 100

78 9.4 7.3 10.9





#17

Allvl chloride

Concen: 19.062 ug/l

RT: 4.32 min Scan# 850

Delta R.T. 0.00 min

Lab File: VN050719.D

Acq: 17 Aug 2018 10:01

Instrument :
MSVOA_N
ClientSampleId :

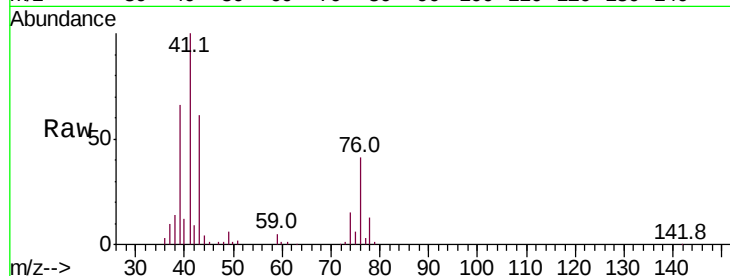
Tot Ion: 41 Resp: 189303

Ion Ratio Lower Upper

41 100

39 66.0 35.4 106.3

76 40.6 19.7 59.1

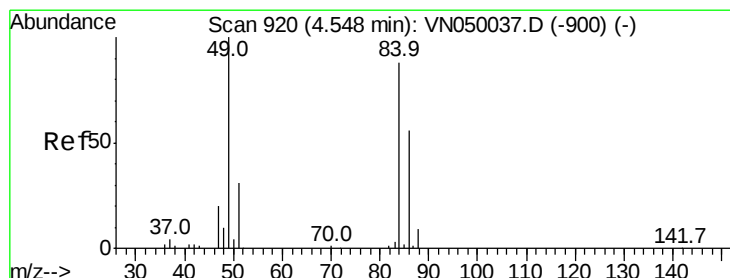
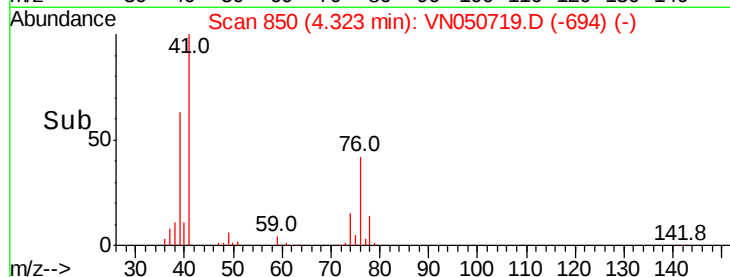
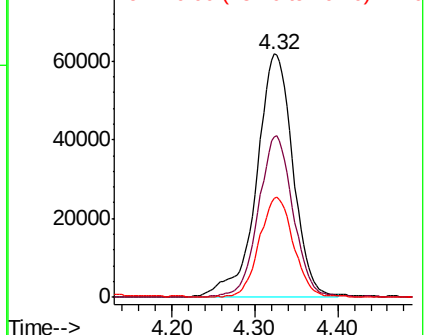


Abundance

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 76.00 (75.70 to 76.70): VNO



#18

Methylene Chloride

Concen: 20.169 ug/l

RT: 4.55 min Scan# 922

Delta R.T. 0.01 min

Lab File: VN050719.D

Acq: 17 Aug 2018 10:01

Tgt Ion: 84 Resp: 146358

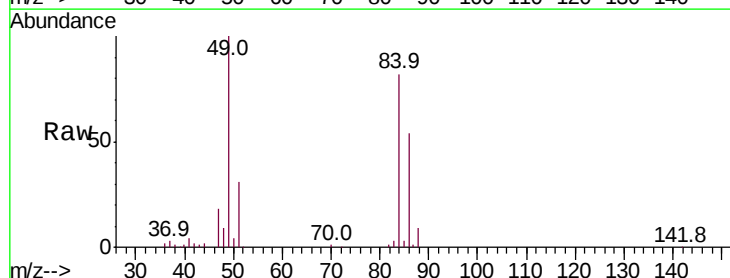
Ion Ratio Lower Upper

84 100

49 121.8 95.1 142.7

51 37.2 28.8 43.2

86 66.3 52.3 78.5



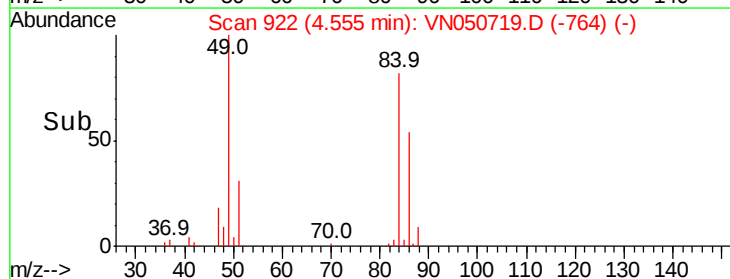
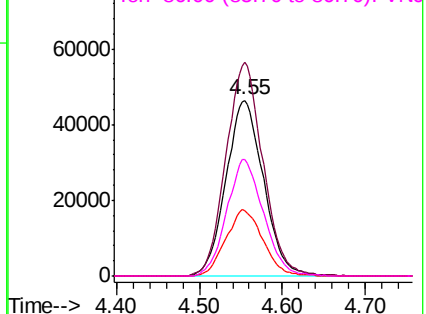
Abundance

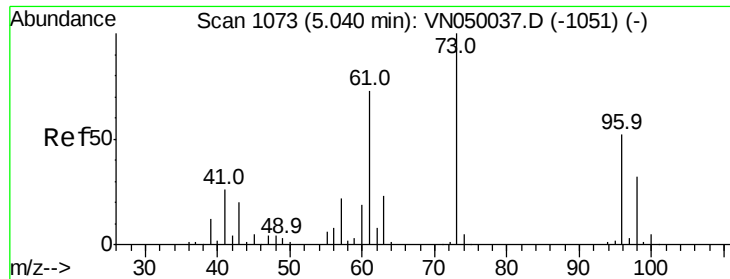
Ion 84.00 (83.70 to 84.70): VNO

Ion 49.00 (48.70 to 49.70): VNO

Ion 51.00 (50.70 to 51.70): VNO

Ion 86.00 (85.70 to 86.70): VNO

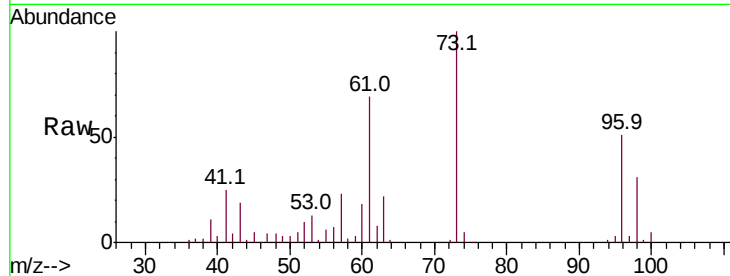




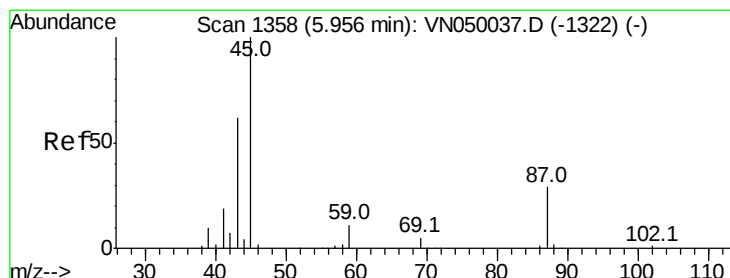
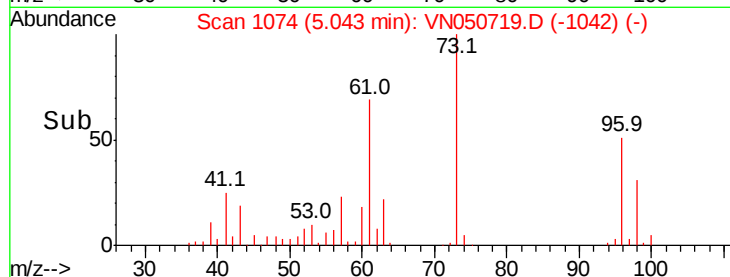
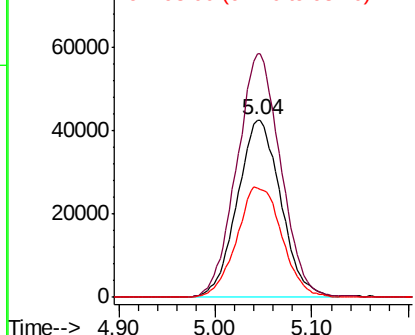
#19
trans-1,2-Dichloroethene
Concen: 19.740 ug/l
RT: 5.04 min Scan# 1074
Delta R.T. 0.00 min
Lab File: VN050719.D
Acq: 17 Aug 2018 10:01

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 96 Resp: 132896
Ion Ratio Lower Upper
96 100
61 136.9 112.1 168.1
98 61.5 51.3 76.9

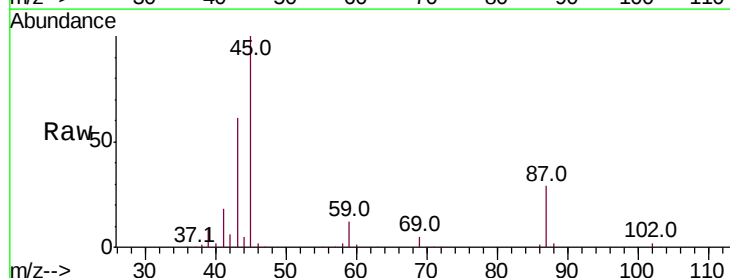


Abundance Ion 96.00 (95.70 to 96.70): VNO
Ion 61.00 (60.70 to 61.70): VNO
Ion 98.00 (97.70 to 98.70): VNO

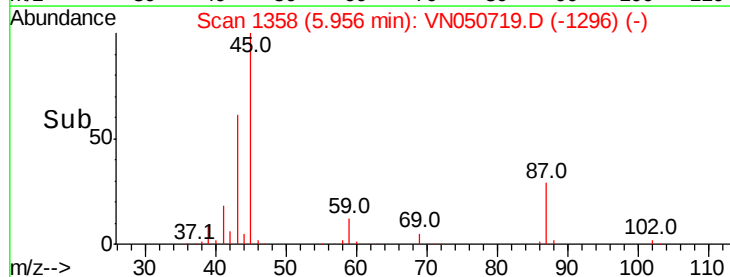
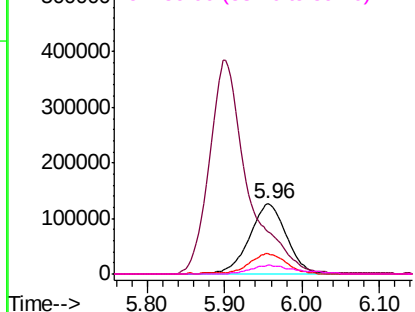


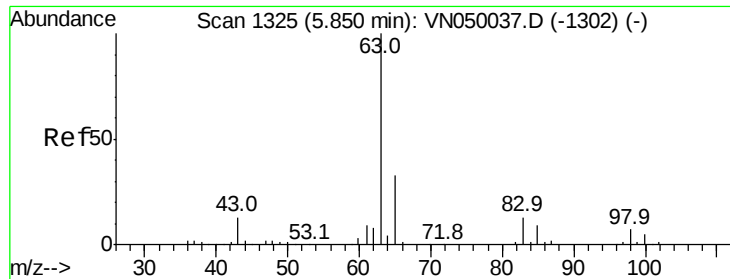
#20
Diisopropyl ether
Concen: 20.617 ug/l
RT: 5.96 min Scan# 1358
Delta R.T. 0.00 min
Lab File: VN050719.D
Acq: 17 Aug 2018 10:01

Tgt Ion: 45 Resp: 419815
Ion Ratio Lower Upper
45 100
43 59.3 46.6 70.0
87 28.4 22.3 33.5
59 11.9 9.5 14.3



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



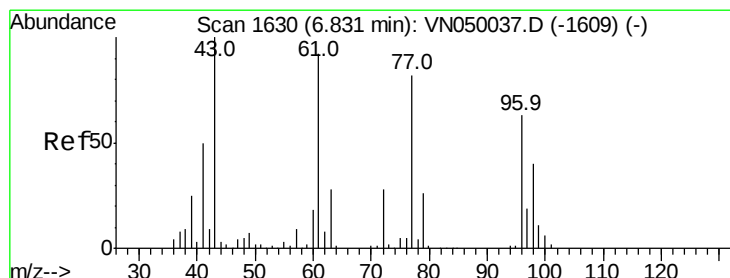
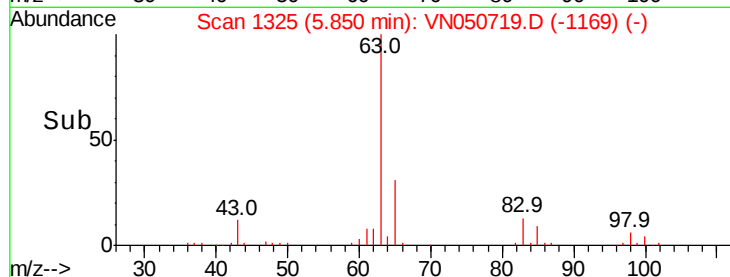
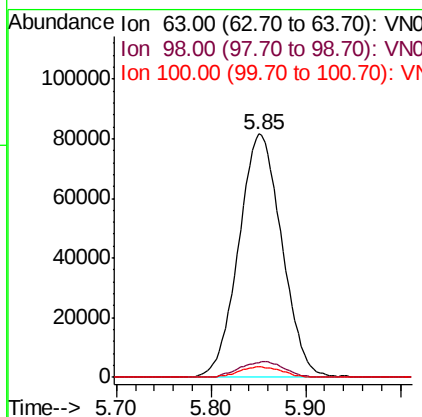
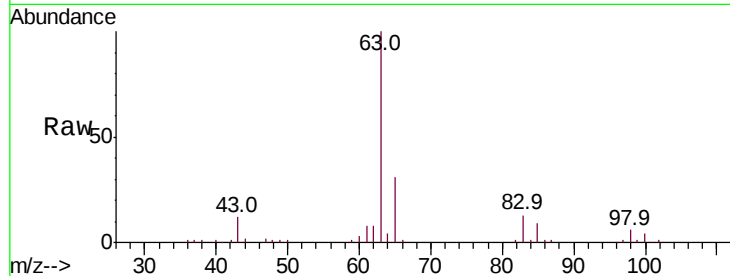


#21
 1,1-Dichloroethane
 Concen: 20.142 ug/l
 RT: 5.85 min Scan# 1325
 Delta R.T. 0.00 min
 Lab File: VN050719.D
 Acq: 17 Aug 2018 10:01

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 63 Resp: 257903

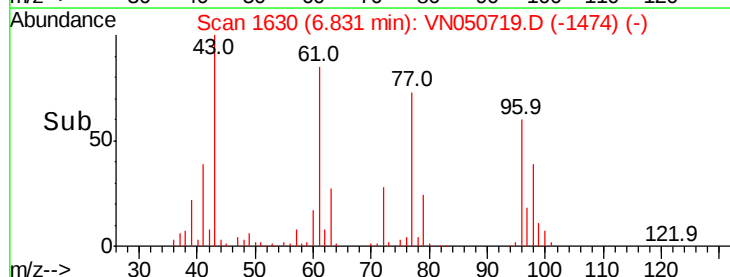
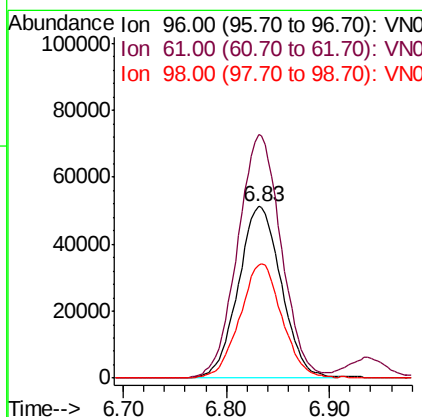
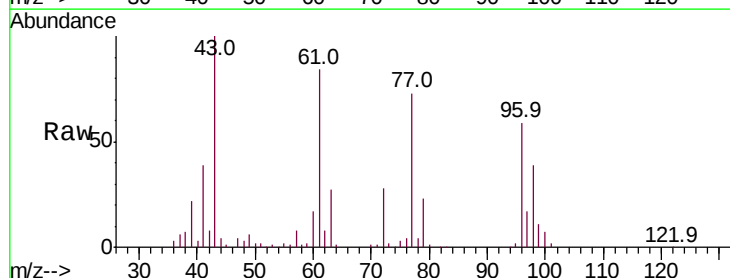
Ion	Ratio	Lower	Upper
63	100		
98	6.2	3.5	10.6
100	4.4	2.3	6.8

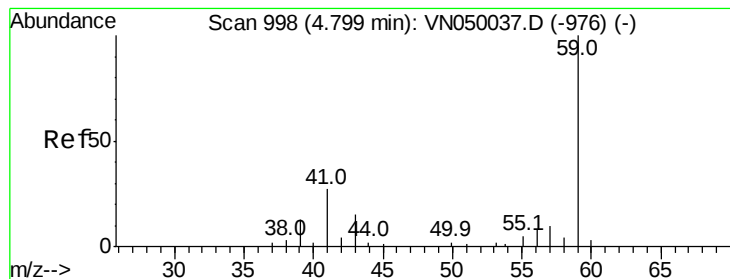


#22
 cis-1,2-Dichloroethene
 Concen: 19.952 ug/l
 RT: 6.83 min Scan# 1630
 Delta R.T. 0.00 min
 Lab File: VN050719.D
 Acq: 17 Aug 2018 10:01

Tgt Ion: 96 Resp: 148963

Ion	Ratio	Lower	Upper
96	100		
61	143.3	114.2	171.2
98	65.1	51.7	77.5





#23

tert-Butyl Alcohol

Concen: 71.193 ug/l

RT: 4.79 min Scan# 995

Delta R.T. -0.01 min

Lab File: VN050719.D

Acq: 17 Aug 2018 10:01

Instrument :

MSVOA_N

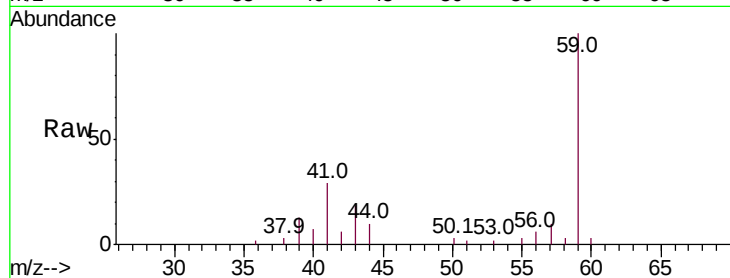
ClientSampleId :

Tot Ion: 59 Resp: 38238

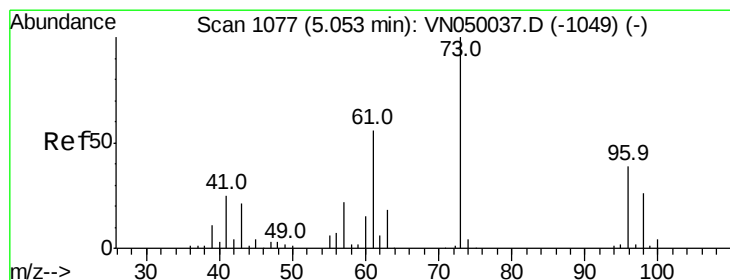
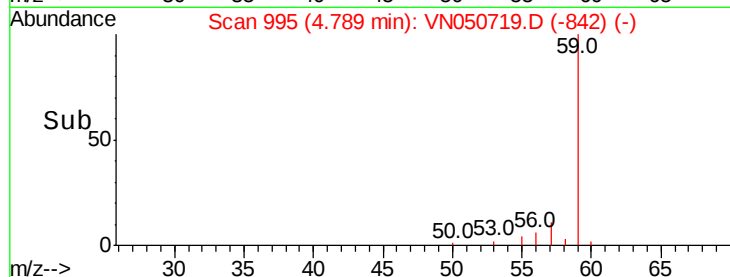
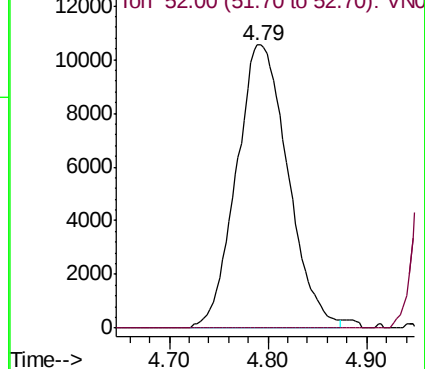
Ion Ratio Lower Upper

59 100

52 0.0 0.1 0.1#



Abundance Ion 59.00 (58.70 to 59.70): VN050037.D (-976) (-)



#24

Methyl tert-Butyl Ether

Concen: 18.744 ug/l

RT: 5.05 min Scan# 1076

Delta R.T. -0.00 min

Lab File: VN050719.D

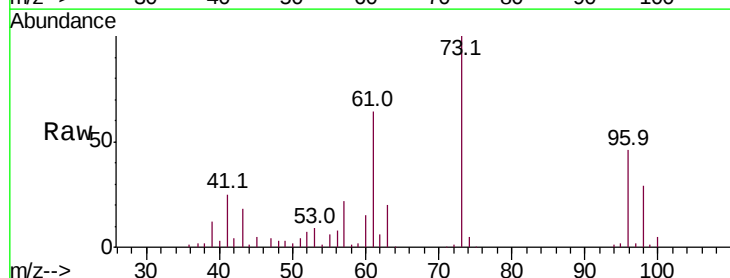
Acq: 17 Aug 2018 10:01

Tgt Ion: 73 Resp: 321451

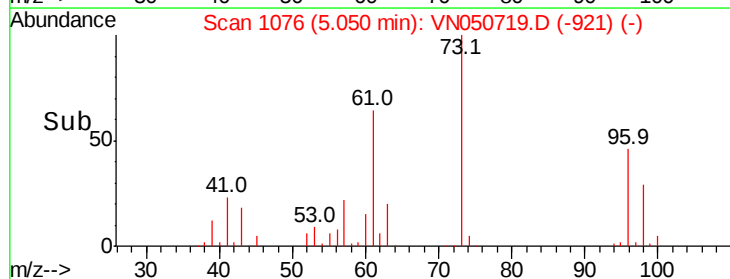
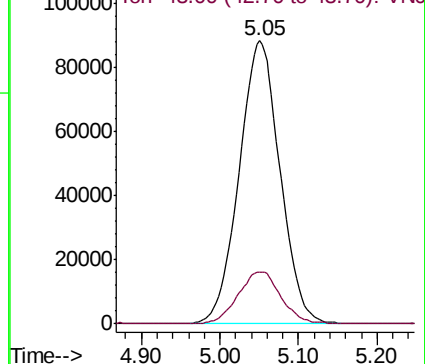
Ion Ratio Lower Upper

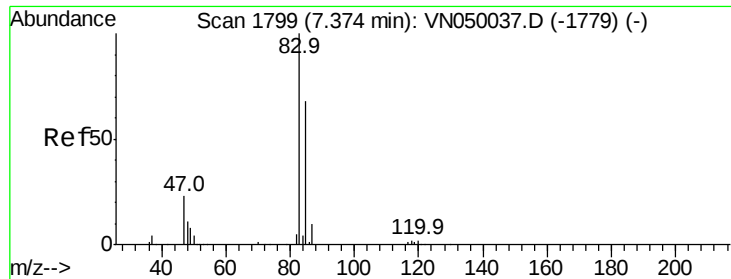
73 100

43 19.2 15.5 23.3



Abundance Ion 73.00 (72.70 to 73.70): VN050037.D (-1049) (-)

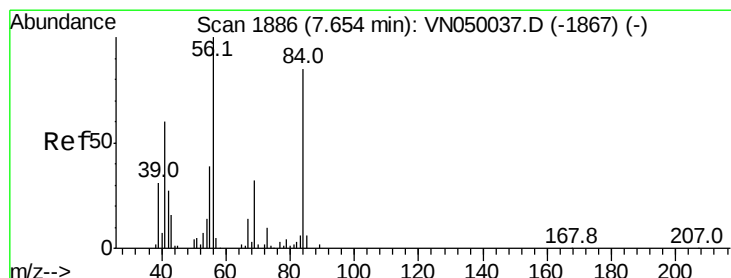
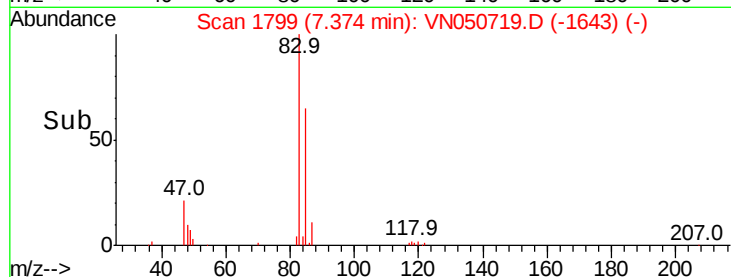
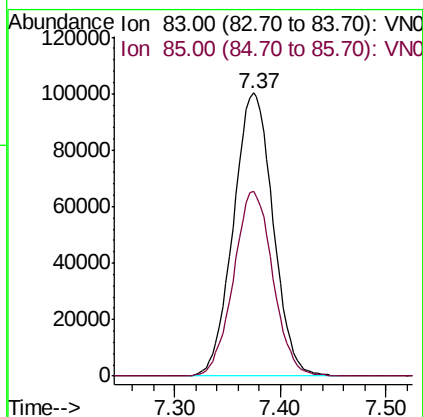
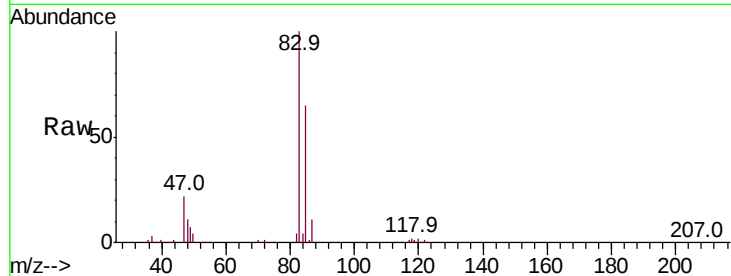




#25
Chloroform
Concen: 20.166 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN050719.D
Acq: 17 Aug 2018 10:01

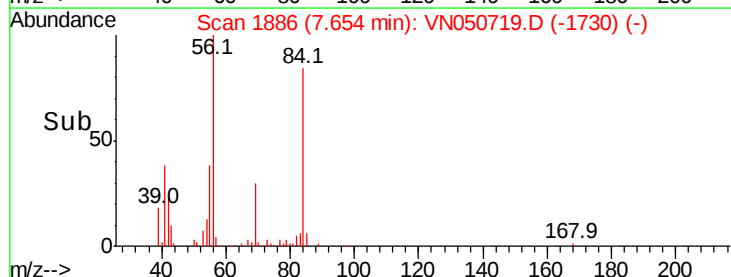
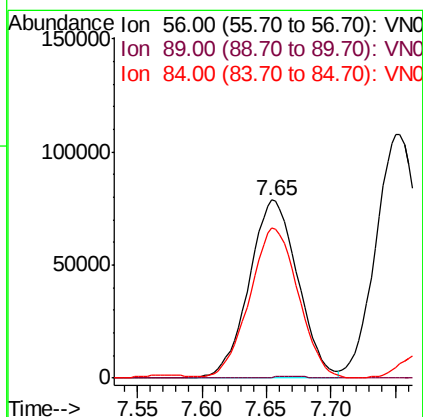
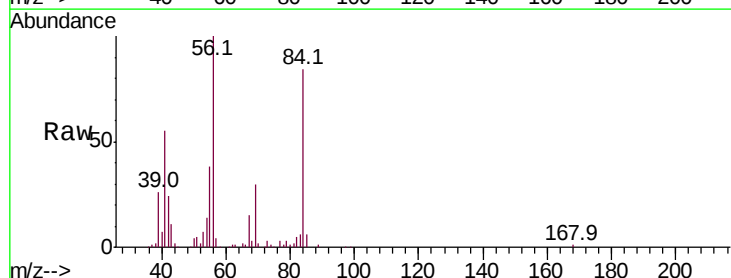
Instrument :
MSVOA_N
ClientSampled :

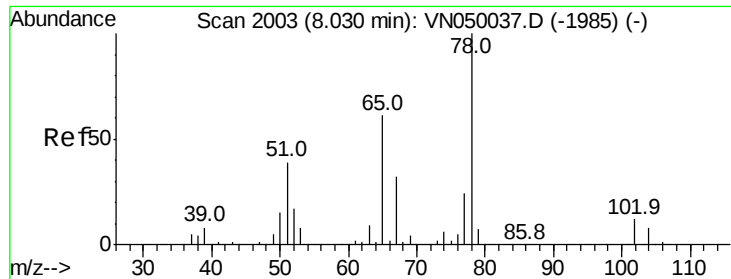
Tot Ion: 83 Resp: 261384
Ion Ratio Lower Upper
83 100
85 65.3 52.1 78.1



#26
Cyclohexane
Concen: 20.425 ug/l
RT: 7.65 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VN050719.D
Acq: 17 Aug 2018 10:01

Tgt Ion: 56 Resp: 207817
Ion Ratio Lower Upper
56 100
89 0.5 3.0 4.4#
84 84.2 69.8 104.8





#27

1,2-Dichloroethane-d4

Concen: 29.419 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN050719.D

Acq: 17 Aug 2018 10:01

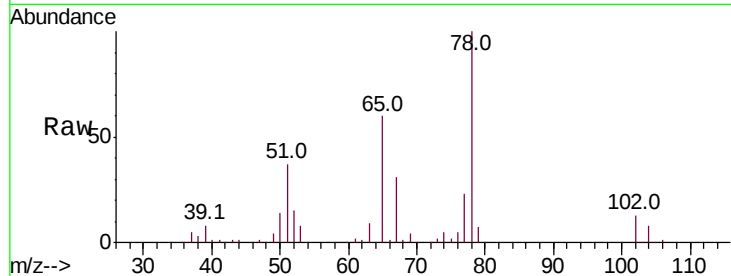
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 65 Resp: 235849

Ion Ratio Lower Upper

65 100

67 54.6 42.7 64.1



Abundance Ion 65.00 (64.70 to 65.70): VN050037.D (-1985) (-)

Ion 67.00 (66.70 to 67.70): VN050037.D (-1985) (-)

8.03

100000

80000

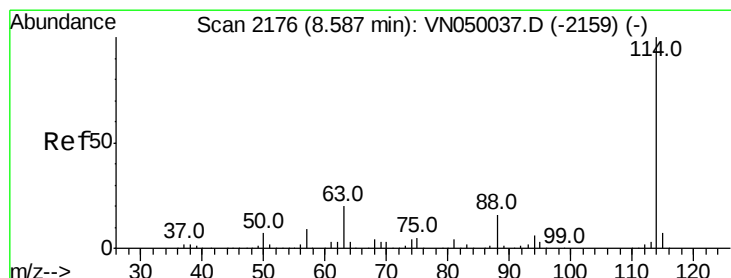
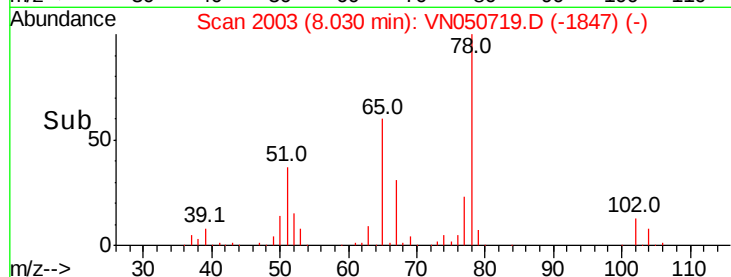
60000

40000

20000

0

Time-->



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.59 min Scan# 2176

Delta R.T. 0.00 min

Lab File: VN050719.D

Acq: 17 Aug 2018 10:01

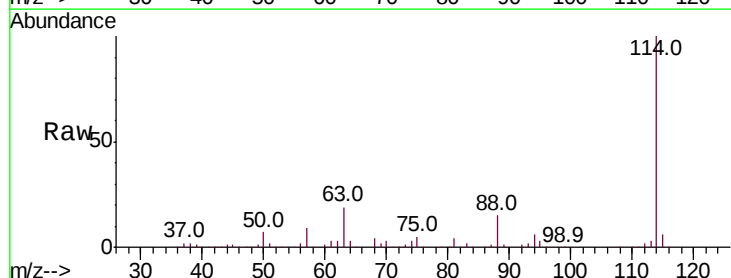
Tgt Ion:114 Resp: 628212

Ion Ratio Lower Upper

114 100

63 19.9 16.2 24.2

88 15.3 12.3 18.5



Abundance Ion 114.00 (113.70 to 114.70): VN050037.D (-2159) (-)

Ion 63.00 (62.70 to 63.70): VN050037.D (-2159) (-)

Ion 88.00 (87.70 to 88.70): VN050037.D (-2159) (-)

8.59

400000

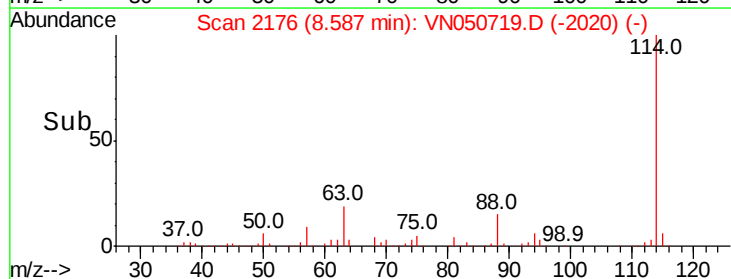
300000

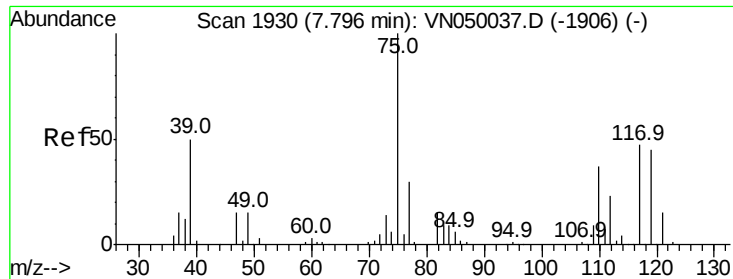
200000

100000

0

Time-->





#29

1,1-Dichloropropene

Concen: 19.727 ug/l

RT: 7.79 min Scan# 1929

Delta R.T. -0.00 min

Lab File: VN050719.D

Acq: 17 Aug 2018 10:01

Instrument :

MSVOA_N

ClientSampleId :

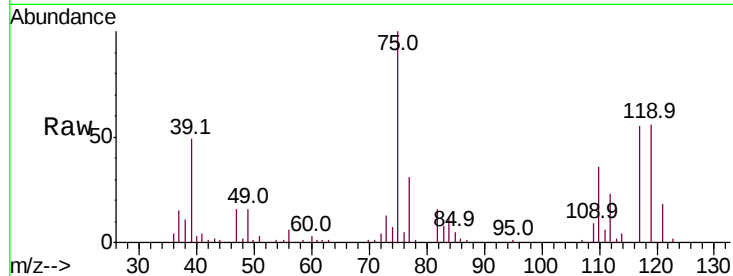
Tot Ion: 75 Resp: 192322

Ion Ratio Lower Upper

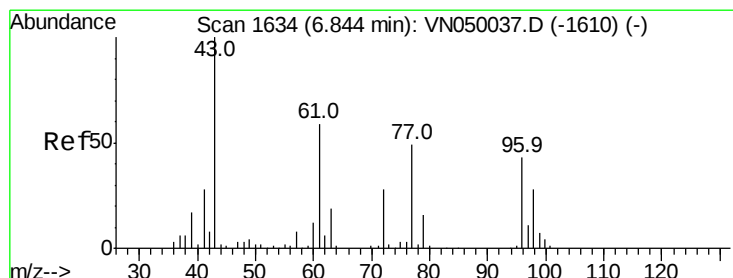
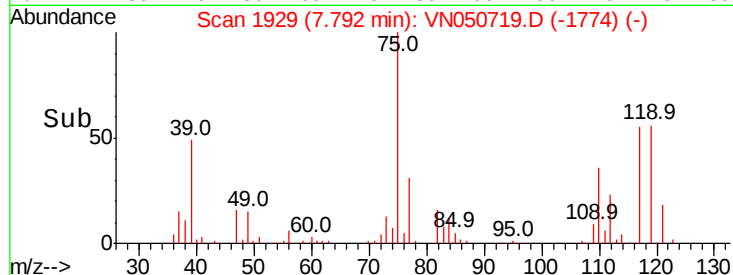
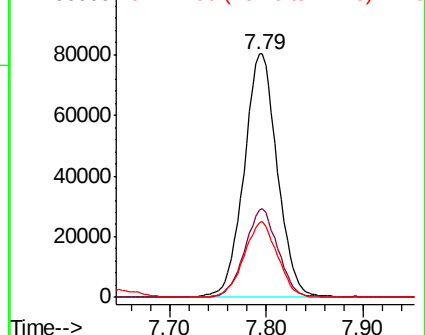
75 100

110 36.1 0.0 73.2

77 31.2 0.0 62.0



Abundance Ion 75.00 (74.70 to 75.70): VNO
Ion 110.00 (109.70 to 110.70): VNO
Ion 77.00 (76.70 to 77.70): VNO



#30

2-Butanone

Concen: 97.352 ug/l

RT: 6.84 min Scan# 1633

Delta R.T. -0.00 min

Lab File: VN050719.D

Acq: 17 Aug 2018 10:01

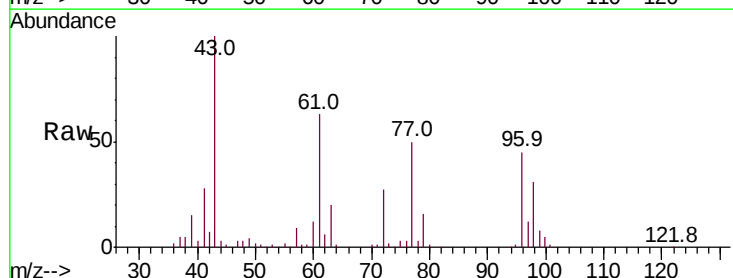
Tgt Ion: 43 Resp: 297832

Ion Ratio Lower Upper

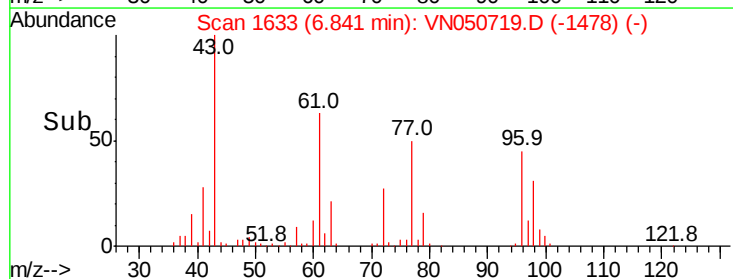
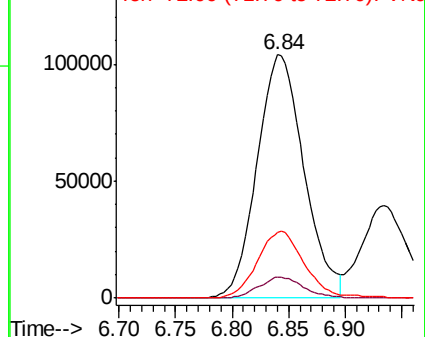
43 100

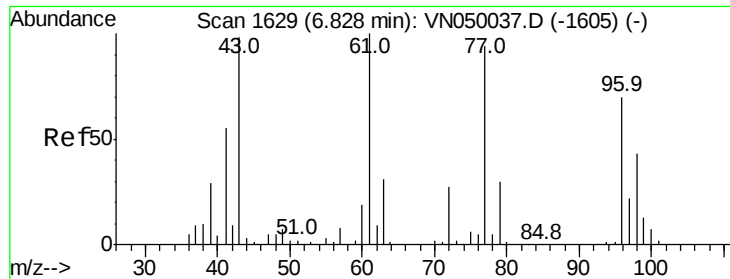
57 8.4 6.8 10.2

72 27.3 21.4 32.0



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 57.00 (56.70 to 57.70): VNO
Ion 72.00 (71.70 to 72.70): VNO

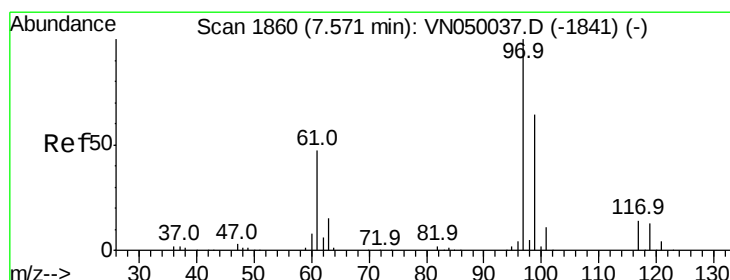
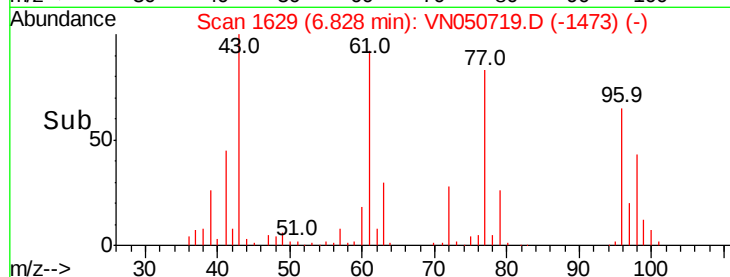
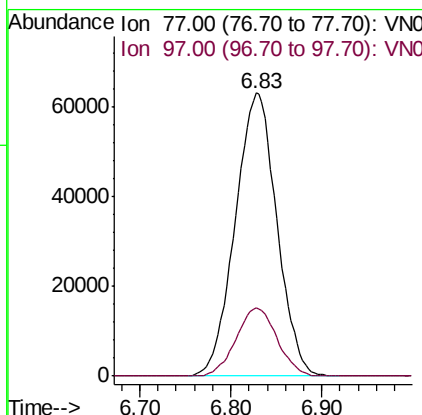
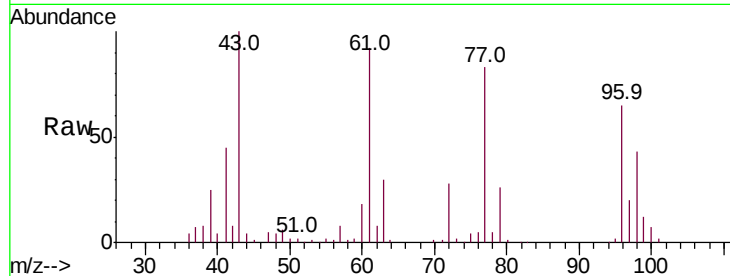




#31
 2,2-Dichloropropane
 Concen: 18.576 ug/l
 RT: 6.83 min Scan# 1629
 Delta R.T. 0.00 min
 Lab File: VN050719.D
 Acq: 17 Aug 2018 10:01

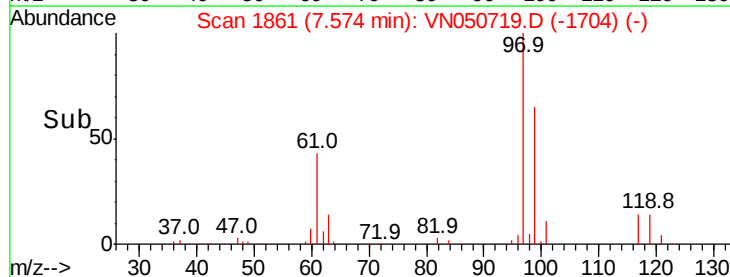
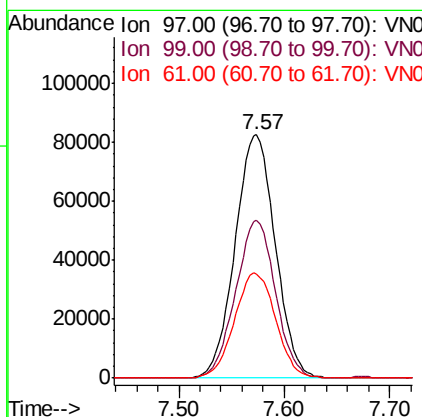
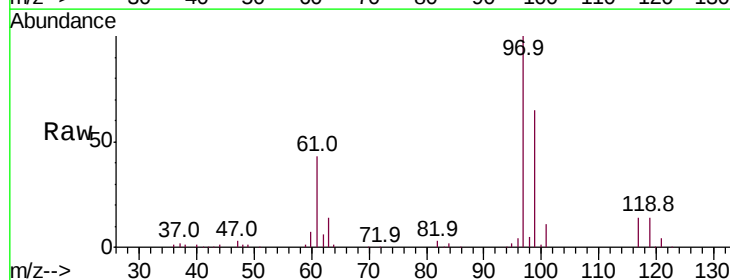
Instrument :
 MSVOA_N
 ClientSampleId :

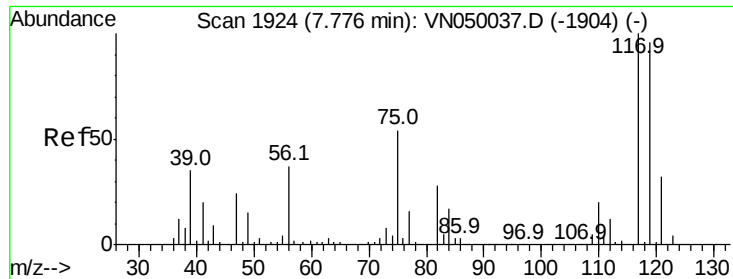
Tot Ion: 77 Resp: 200184
 Ion Ratio Lower Upper
 77 100
 97 23.8 18.9 28.3



#32
 1,1,1-Trichloroethane
 Concen: 19.086 ug/l
 RT: 7.57 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VN050719.D
 Acq: 17 Aug 2018 10:01

Tgt Ion: 97 Resp: 219019
 Ion Ratio Lower Upper
 97 100
 99 64.2 51.2 76.8
 61 44.2 35.3 52.9

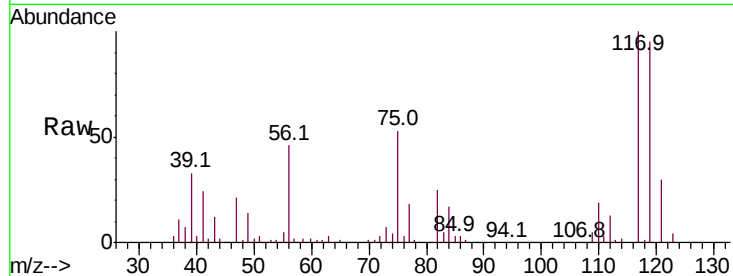




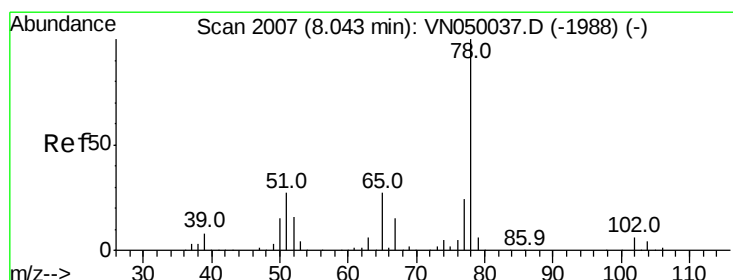
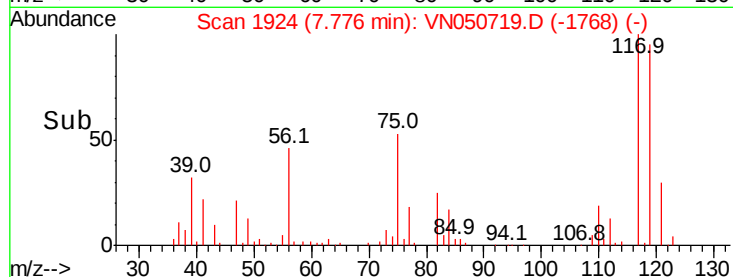
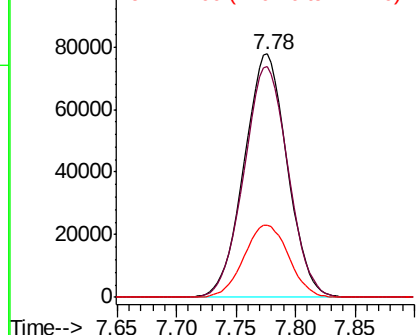
#33
Carbon Tetrachloride
Concen: 19.083 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VN050719.D
Acq: 17 Aug 2018 10:01

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 195206
Ion Ratio Lower Upper
117 100
119 94.7 76.9 115.3
121 29.9 24.4 36.6

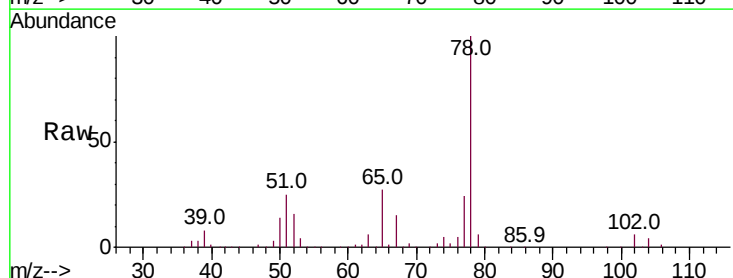


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

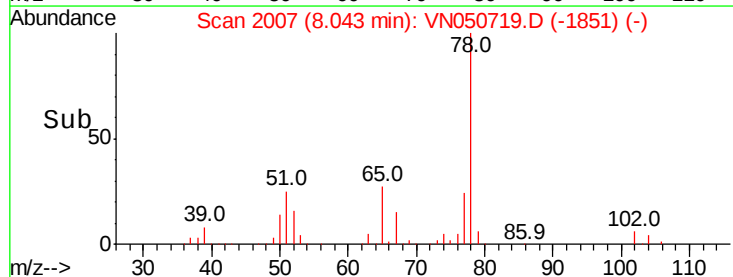
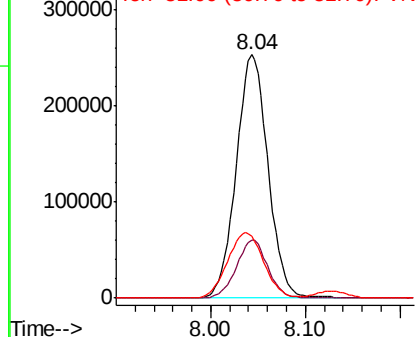


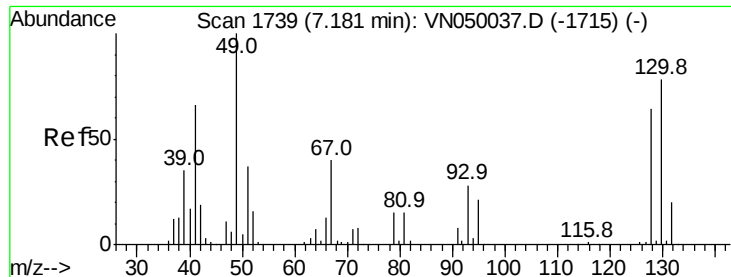
#34
Benzene
Concen: 19.975 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN050719.D
Acq: 17 Aug 2018 10:01

Tgt Ion: 78 Resp: 591443
Ion Ratio Lower Upper
78 100
77 23.8 19.1 28.7
51 25.1 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

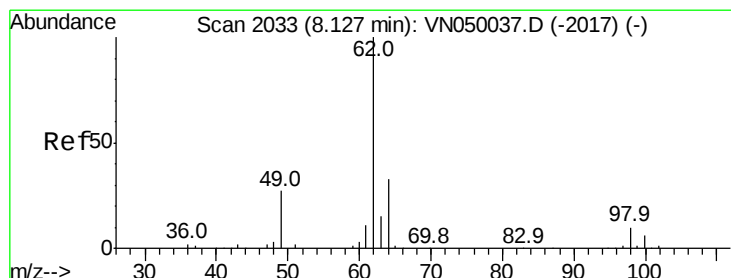
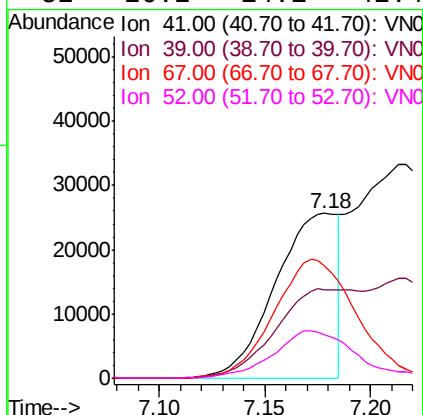
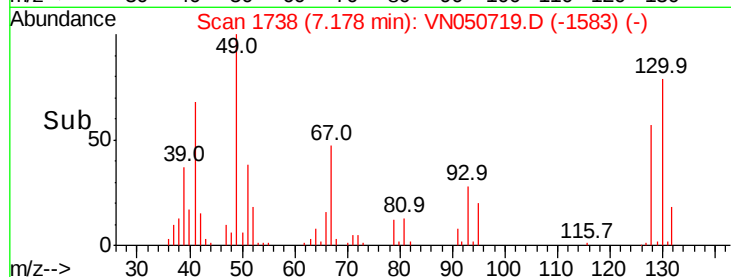
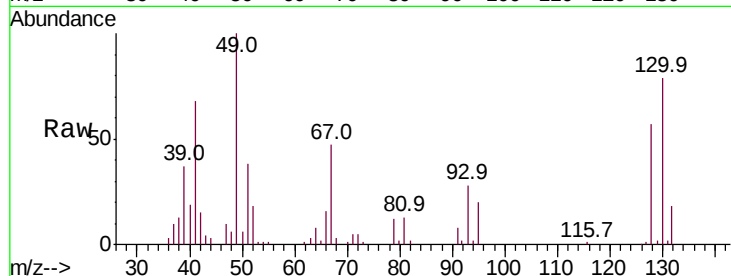




#35
Methacrylonitrile
Concen: 15.189 ug/l
RT: 7.18 min Scan# 1738
Delta R.T. -0.00 min
Lab File: VN050719.D
Acq: 17 Aug 2018 10:01

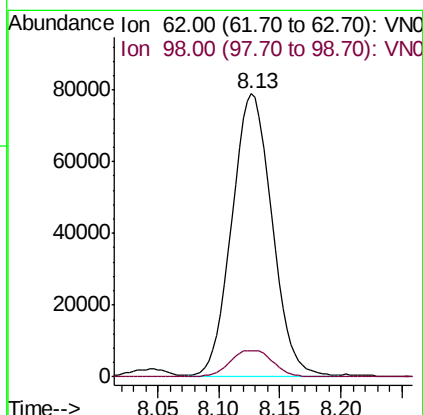
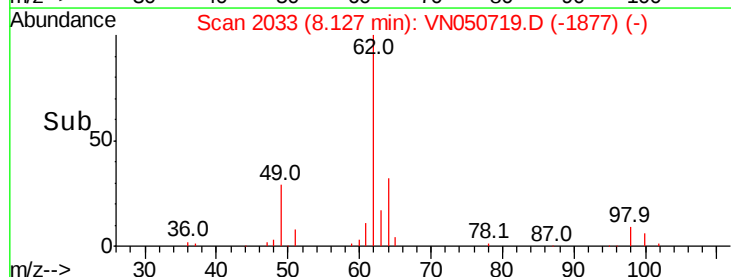
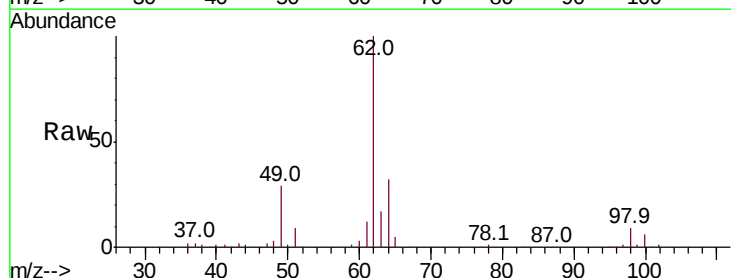
Instrument :
MSVOA_N
ClientSampled :

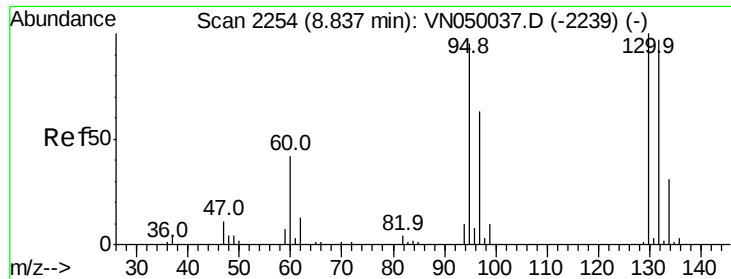
Tot Ion: 41 Resp: 52908
Ion Ratio Lower Upper
41 100
39 53.8 27.6 82.7
67 68.3 35.1 105.5
52 26.2 14.1 42.4



#36
1,2-Dichloroethane
Concen: 18.527 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN050719.D
Acq: 17 Aug 2018 10:01

Tgt Ion: 62 Resp: 180110
Ion Ratio Lower Upper
62 100
98 5.4 7.8 11.6#

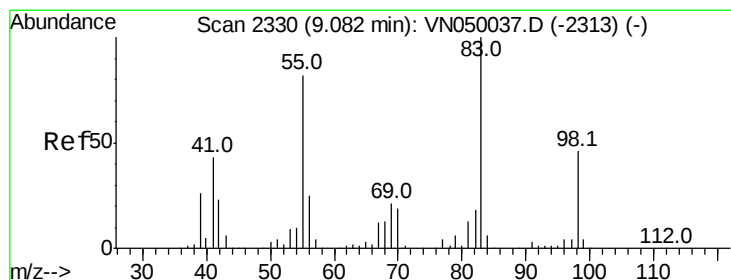
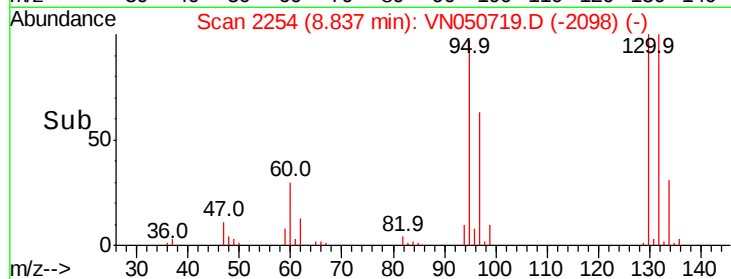
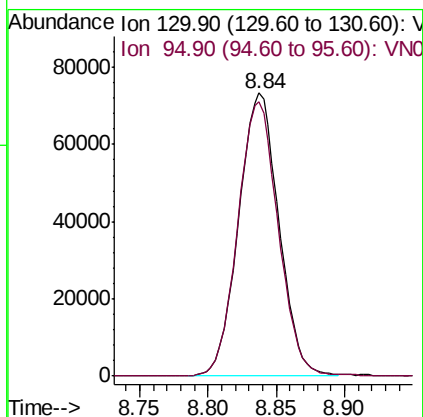
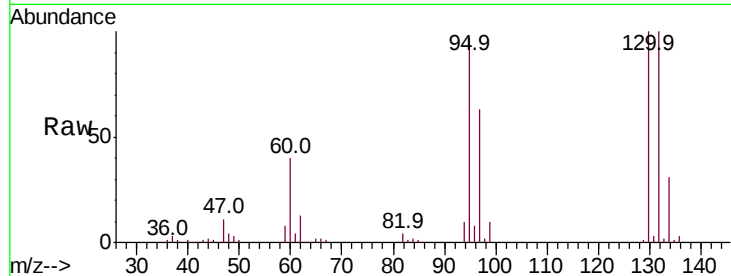




#37
 Trichloroethene
 Concen: 19.376 ug/l
 RT: 8.84 min Scan# 2254
 Delta R.T. 0.00 min
 Lab File: VN050719.D
 Acq: 17 Aug 2018 10:01

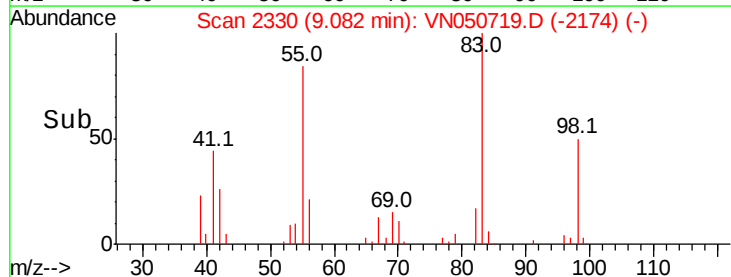
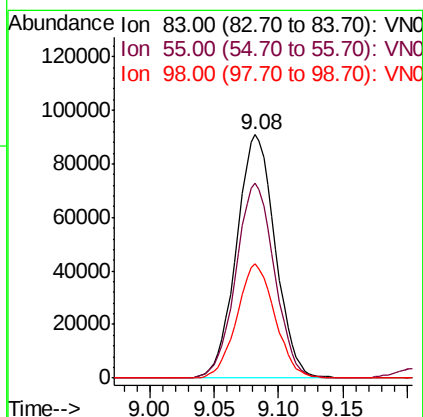
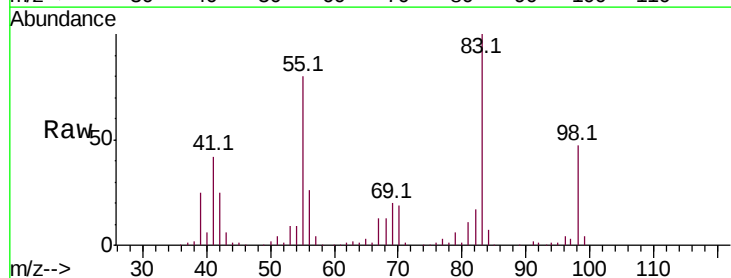
Instrument :
 MSVOA_N
 ClientSampled :

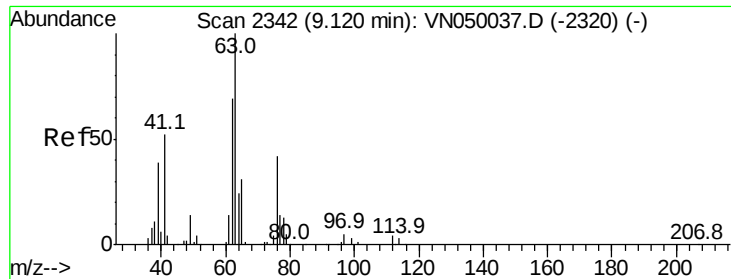
Tot Ion:130 Resp: 150462
 Ion Ratio Lower Upper
 130 100
 95 97.1 79.7 119.5



#38
 Methylcyclohexane
 Concen: 18.459 ug/l
 RT: 9.08 min Scan# 2330
 Delta R.T. 0.00 min
 Lab File: VN050719.D
 Acq: 17 Aug 2018 10:01

Tgt Ion: 83 Resp: 189719
 Ion Ratio Lower Upper
 83 100
 55 80.0 39.3 117.8
 98 46.2 23.0 69.0

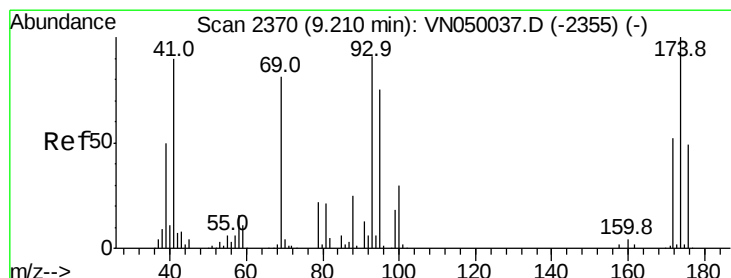
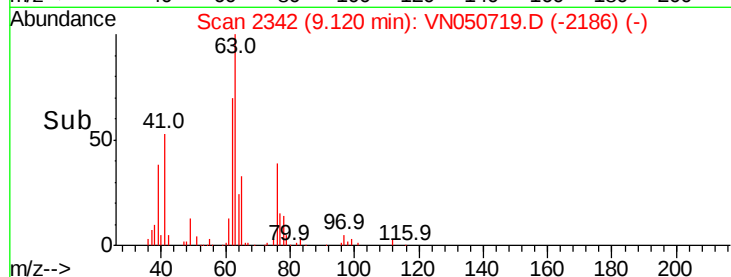
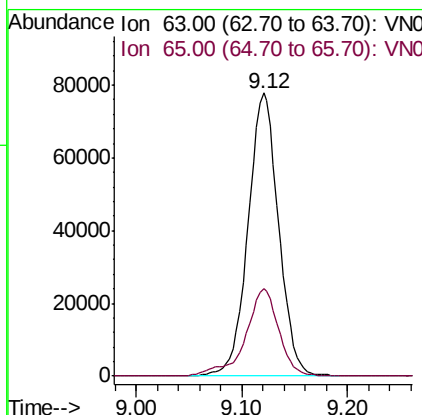
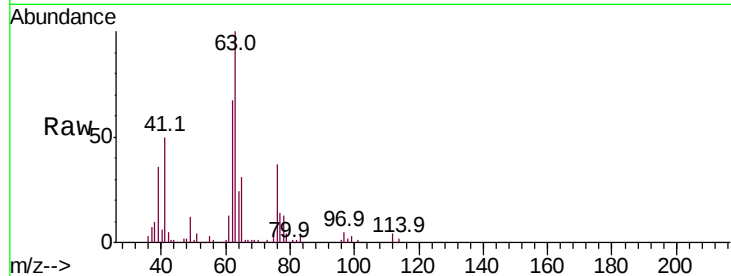




#39
 1,2-Dichloropropane
 Concen: 20.166 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. 0.00 min
 Lab File: VN050719.D
 Acq: 17 Aug 2018 10:01

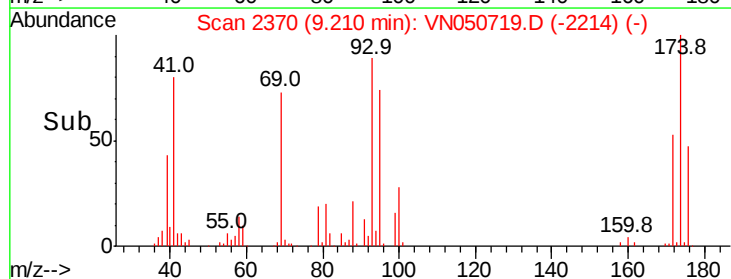
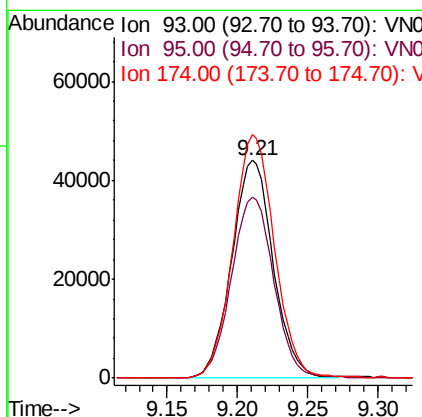
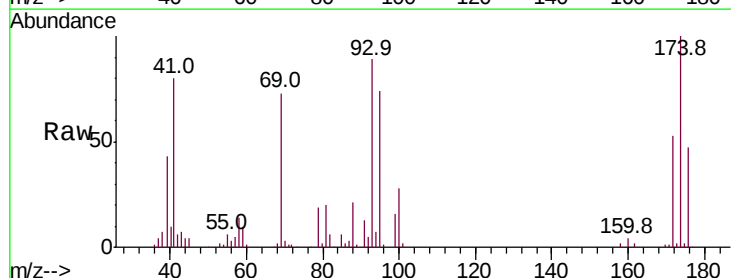
Instrument :
 MSVOA_N
 ClientSampled :

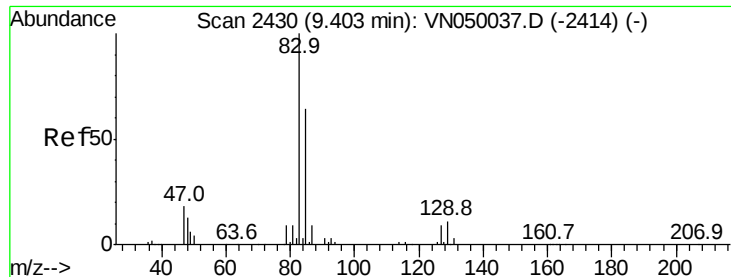
Tot Ion: 63 Resp: 157292
 Ion Ratio Lower Upper
 63 100
 65 30.9 24.2 36.2



#40
 Dibromomethane
 Concen: 18.844 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN050719.D
 Acq: 17 Aug 2018 10:01

Tgt Ion: 93 Resp: 90838
 Ion Ratio Lower Upper
 93 100
 95 84.8 0.0 165.6
 174 112.2 0.0 223.2





#41

Bromodichloromethane

Concen: 19.163 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VN050719.D

Acq: 17 Aug 2018 10:01

Instrument :

MSVOA_N

ClientSampled :

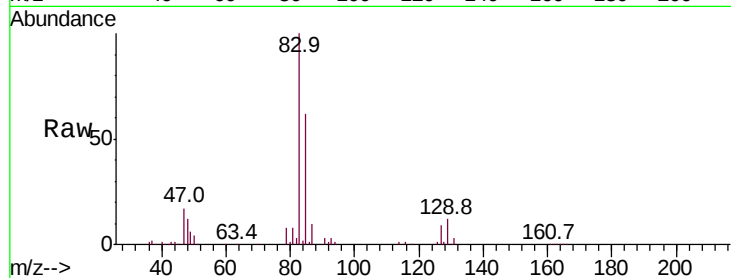
Tot Ion: 83 Resp: 194859

Ion Ratio Lower Upper

83 100

85 62.1 52.6 78.8

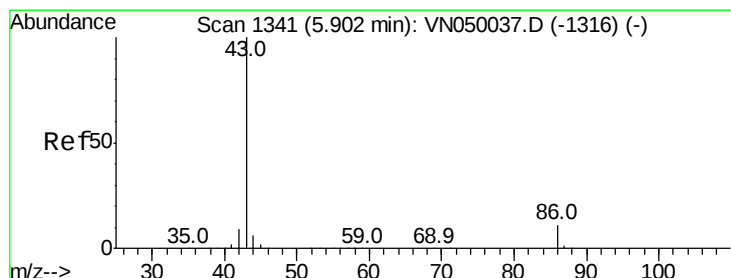
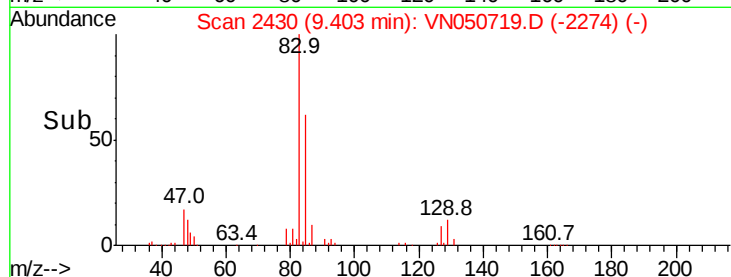
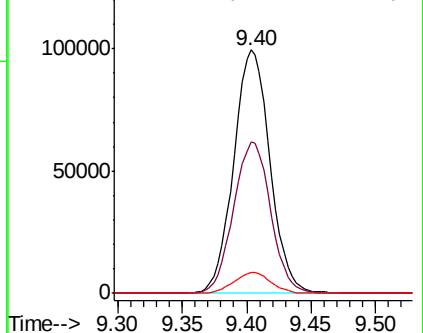
127 8.5 7.0 10.4



Abundance Ion 83.00 (82.70 to 83.70): VN050719.D (-2274) (-)

Ion 85.00 (84.70 to 85.70): VN050719.D (-2274) (-)

Ion 127.00 (126.70 to 127.70): VN050719.D (-2274) (-)



#42

Vinyl Acetate

Concen: 92.278 ug/l

RT: 5.90 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VN050719.D

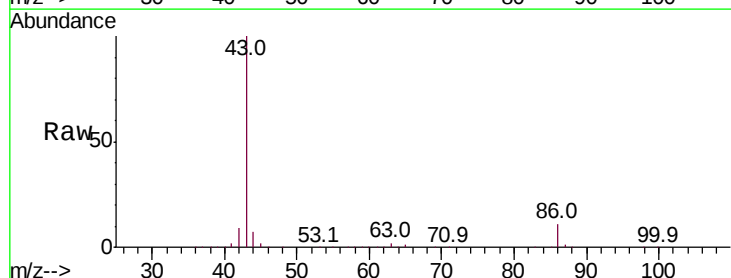
Acq: 17 Aug 2018 10:01

Tgt Ion: 43 Resp: 1328469

Ion Ratio Lower Upper

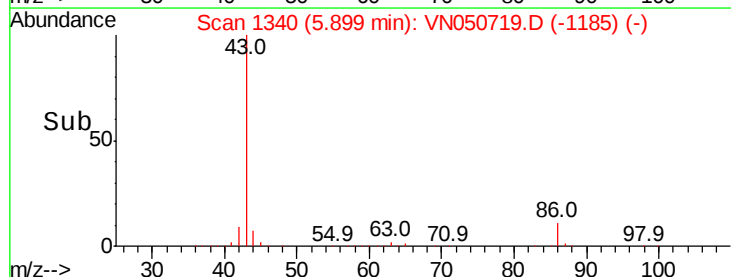
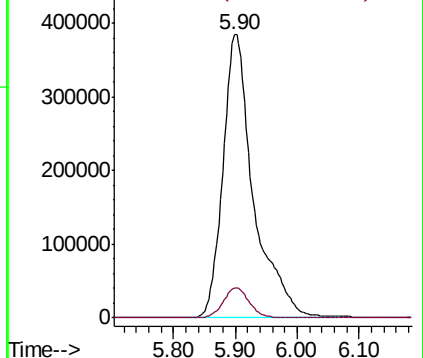
43 100

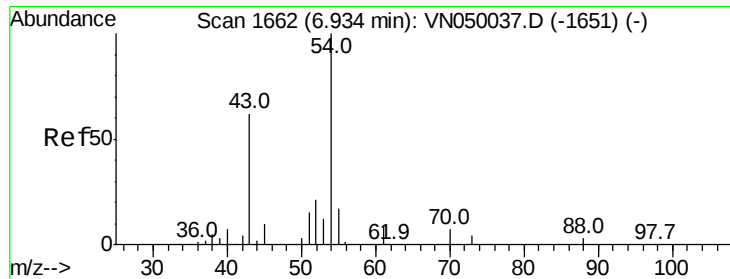
86 9.0 7.3 10.9



Abundance Ion 43.00 (42.70 to 43.70): VN050719.D (-1185) (-)

Ion 86.00 (85.70 to 86.70): VN050719.D (-1185) (-)

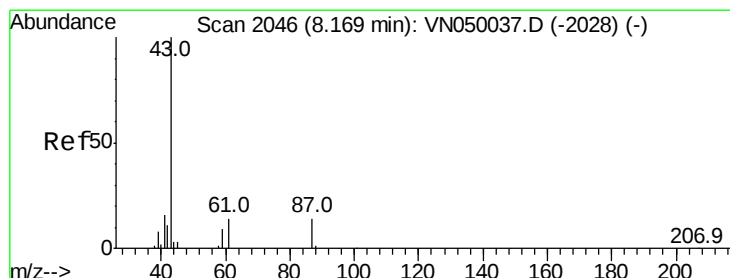
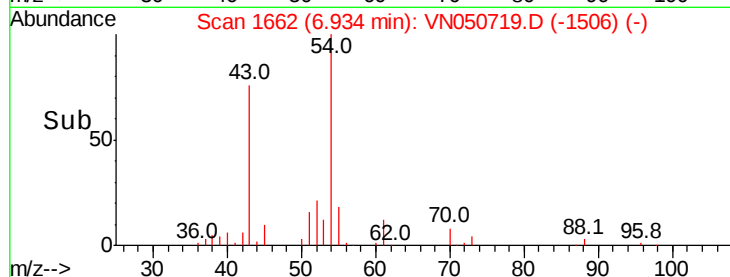
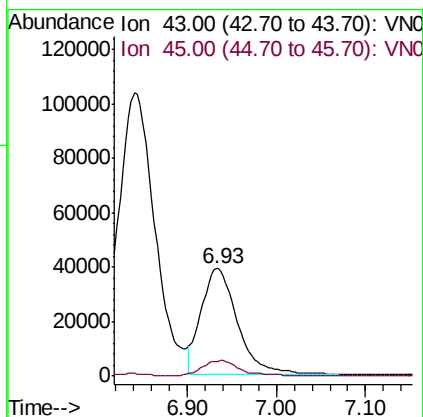
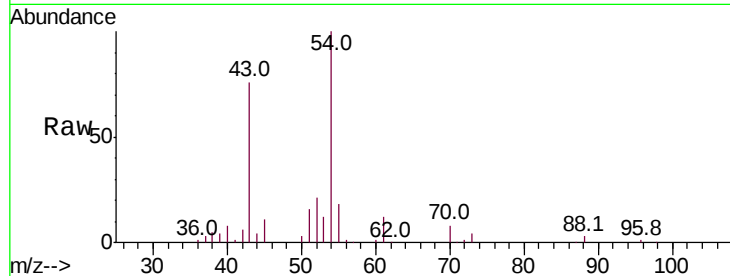




#43
Ethyl Acetate
Concen: 17.390 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VN050719.D
Acq: 17 Aug 2018 10:01

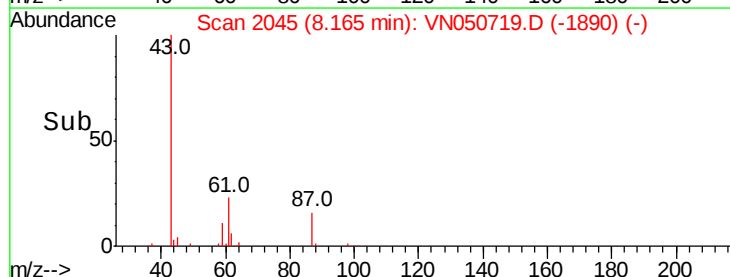
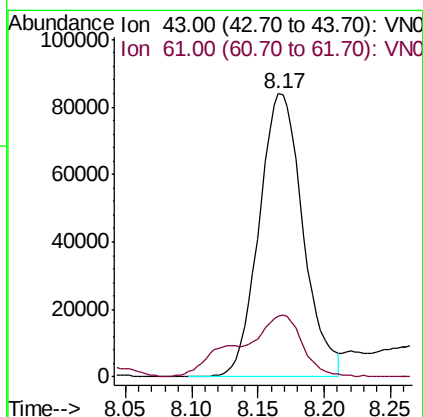
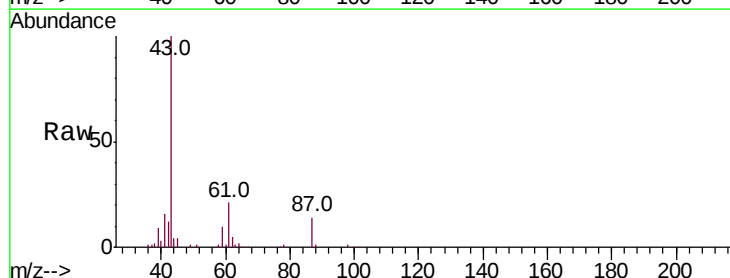
Instrument :
MSVOA_N
ClientSampled :

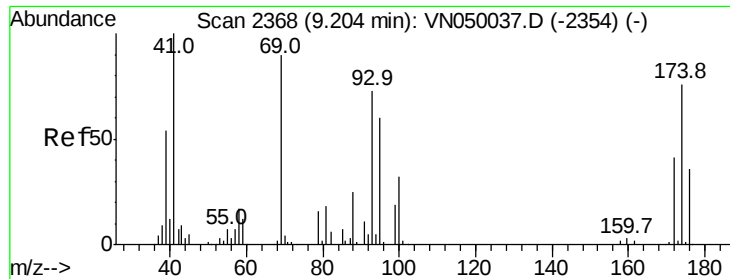
Tot Ion: 43 Resp: 111091
Ion Ratio Lower Upper
43 100
45 15.2 13.0 19.6



#44
Isopropyl Acetate
Concen: 16.388 ug/l
RT: 8.17 min Scan# 2045
Delta R.T. -0.00 min
Lab File: VN050719.D
Acq: 17 Aug 2018 10:01

Tgt Ion: 43 Resp: 193943
Ion Ratio Lower Upper
43 100
61 19.3 16.4 24.6

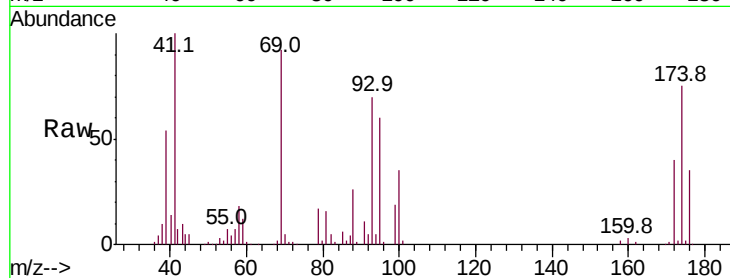




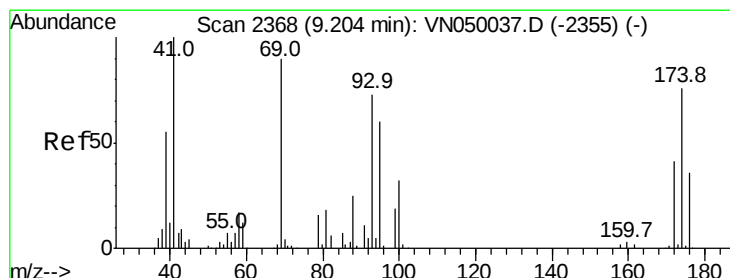
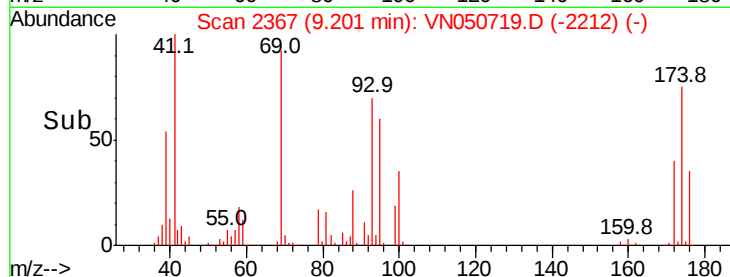
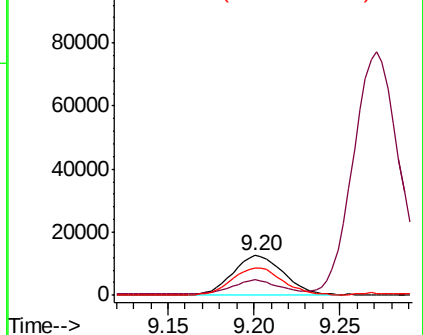
#45
 1,4-Dioxane
 Concen: 335.425 ug/l
 RT: 9.20 min Scan# 2367
 Delta R.T. -0.00 min
 Lab File: VN050719.D
 Acq: 17 Aug 2018 10:01

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 88 Resp: 26121
 Ion Ratio Lower Upper
 88 100
 43 31.9 26.9 40.3
 58 68.9 53.6 80.4

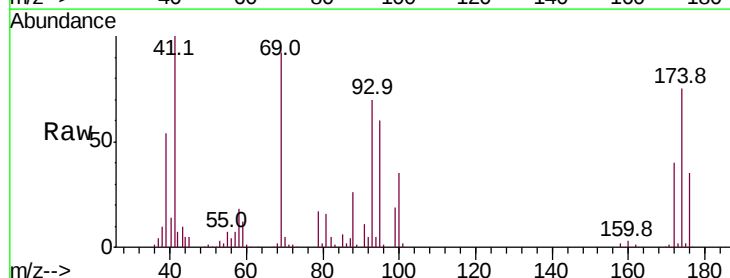


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

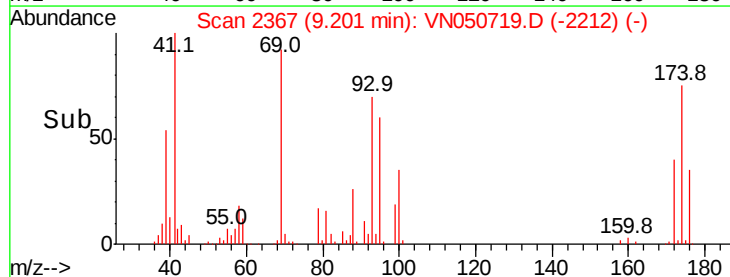
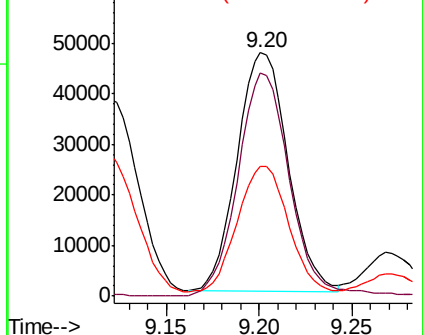


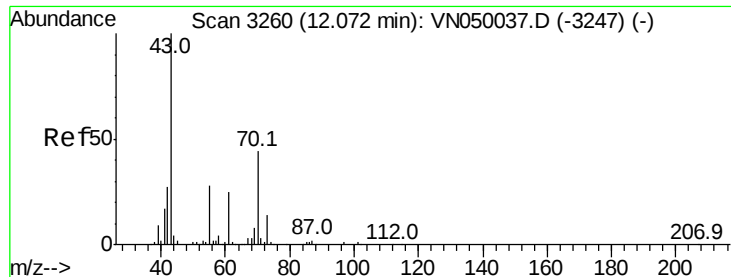
#46
 Methyl methacrylate
 Concen: 15.742 ug/l
 RT: 9.20 min Scan# 2367
 Delta R.T. -0.00 min
 Lab File: VN050719.D
 Acq: 17 Aug 2018 10:01

Tgt Ion: 41 Resp: 90310
 Ion Ratio Lower Upper
 41 100
 69 93.4 44.0 132.1
 39 53.0 27.0 80.8



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

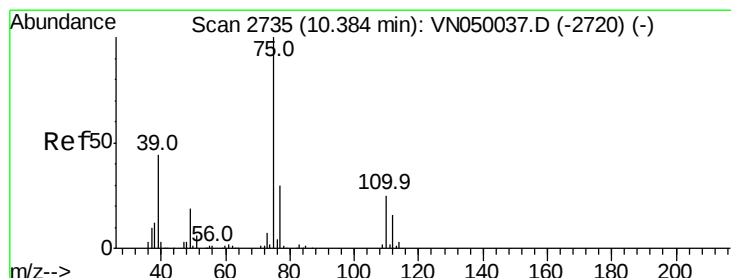
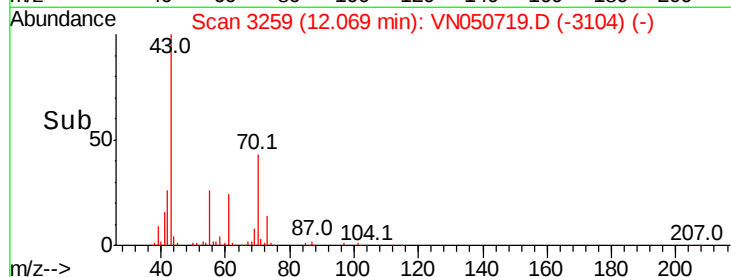
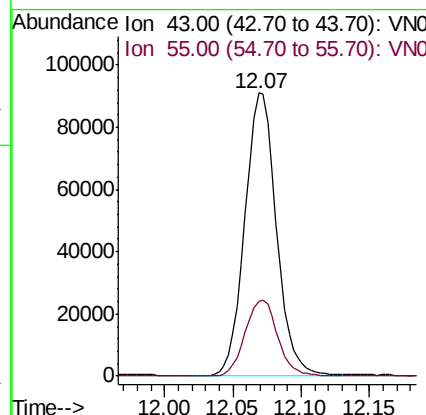
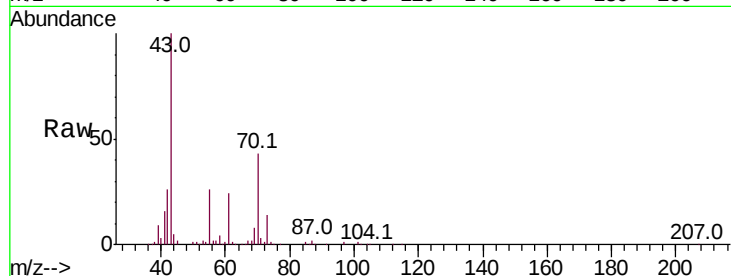




#47
 n-amvl Acetate
 Concen: 15.980 ug/l
 RT: 12.07 min Scan# 3259
 Delta R.T. -0.00 min
 Lab File: VN050719.D
 Acq: 17 Aug 2018 10:01

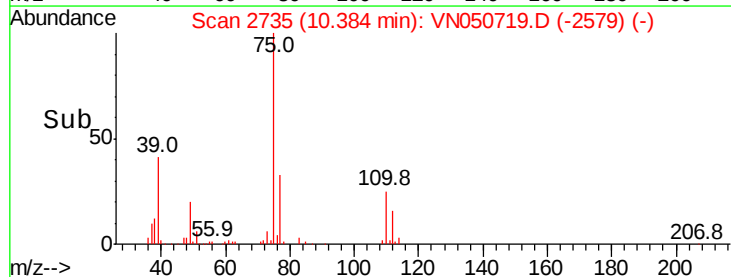
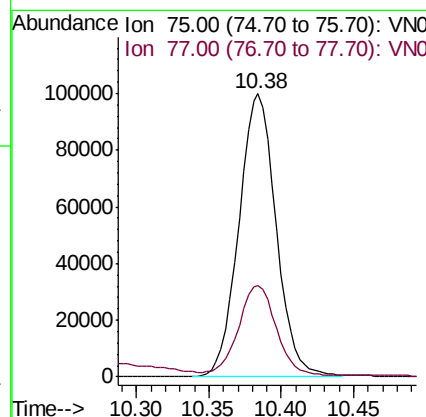
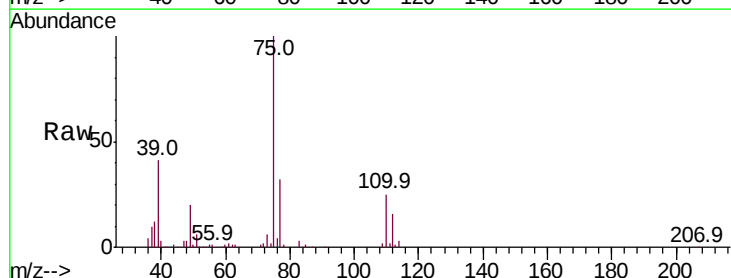
Instrument :
 MSVOA_N
 ClientSampled :

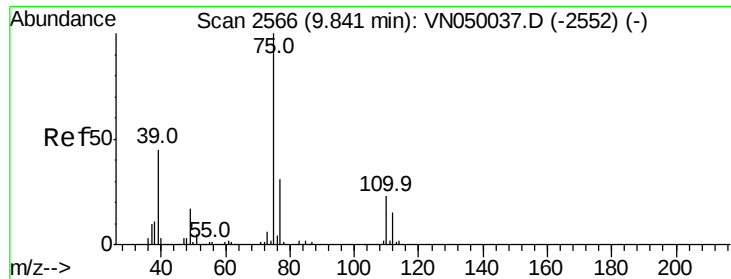
Tot Ion: 43 Resp: 147151
 Ion Ratio Lower Upper
 43 100
 55 27.6 21.0 31.4



#48
 t-1,3-Dichloropropene
 Concen: 18.415 ug/l
 RT: 10.38 min Scan# 2735
 Delta R.T. 0.00 min
 Lab File: VN050719.D
 Acq: 17 Aug 2018 10:01

Tgt Ion: 75 Resp: 178488
 Ion Ratio Lower Upper
 75 100
 77 31.8 24.6 37.0

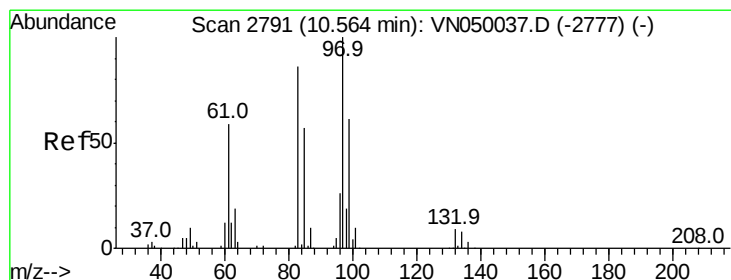
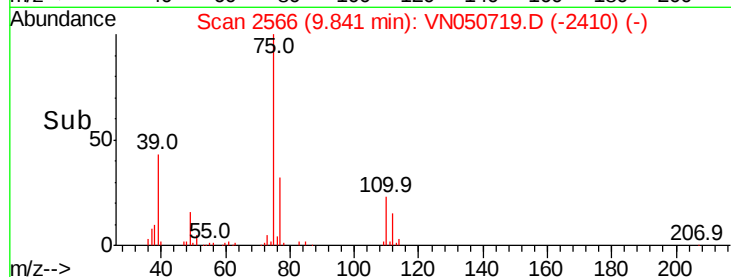
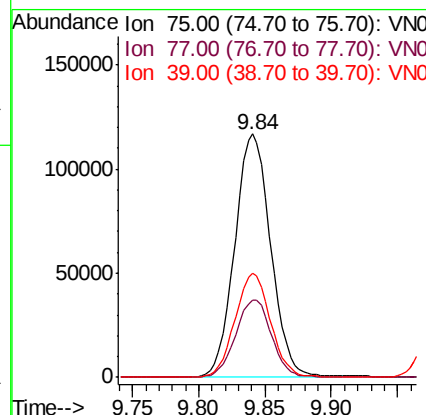
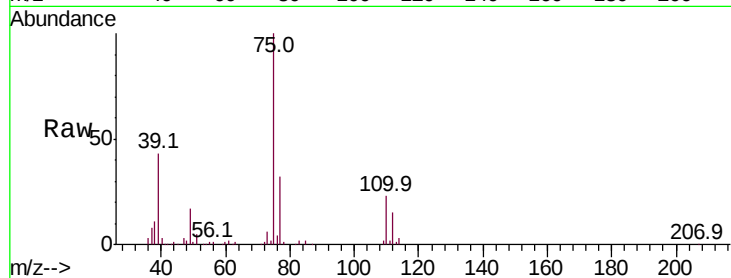




#49
 cis-1,3-Dichloropropene
 Concen: 19.334 ug/l
 RT: 9.84 min Scan# 2566
 Delta R.T. 0.00 min
 Lab File: VN050719.D
 Acq: 17 Aug 2018 10:01

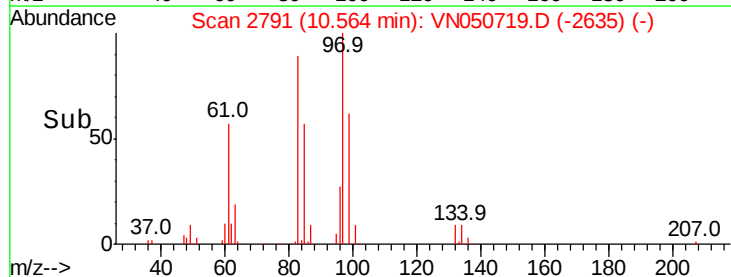
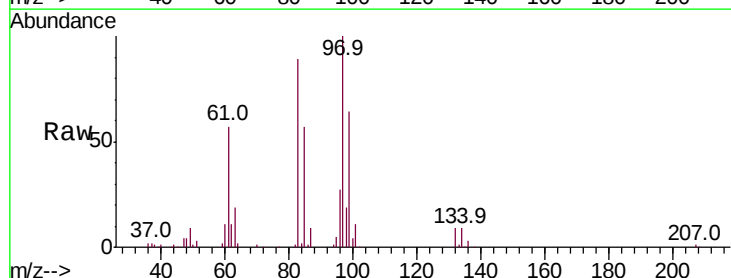
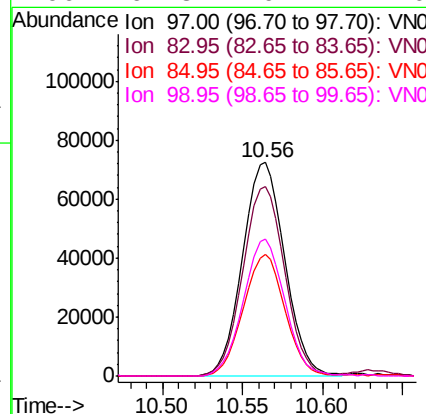
Instrument :
 MSVOA_N
 ClientSampleId :

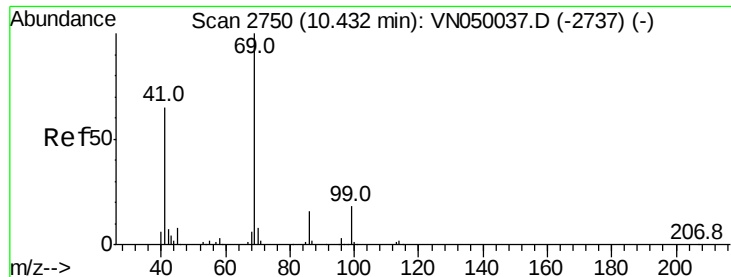
Tot Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.7	38.5
39	42.9	36.3	54.5



#50
 1,1,2-Trichloroethane
 Concen: 18.831 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN050719.D
 Acq: 17 Aug 2018 10:01

Tgt Ion	Ratio	Lower	Upper
97	100		
83	88.9	68.1	102.1
85	57.1	45.4	68.2
99	64.3	49.4	74.0





#51

Ethyl methacrylate

Concen: 17.295 ug/l

RT: 10.43 min Scan# 2749

Delta R.T. -0.00 min

Lab File: VN050719.D

Acq: 17 Aug 2018 10:01

Instrument :

MSVOA_N

ClientSampled :

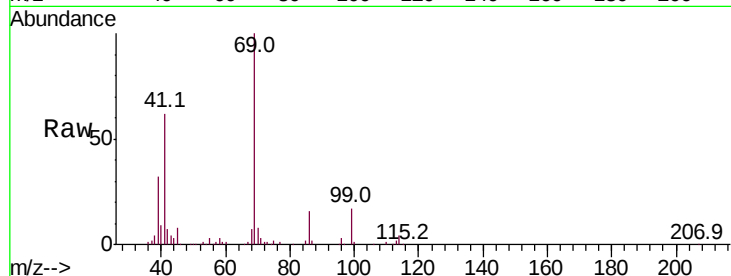
Tot Ion: 69 Resp: 145259

Ion Ratio Lower Upper

69 100

41 61.7 31.9 95.9

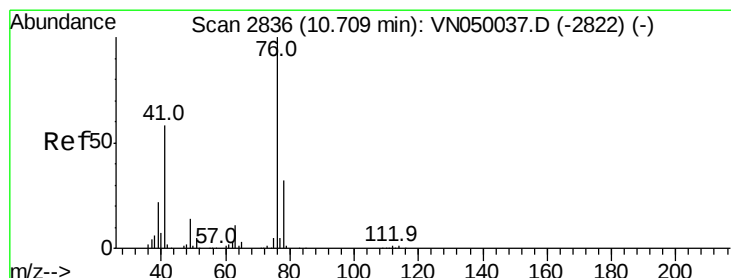
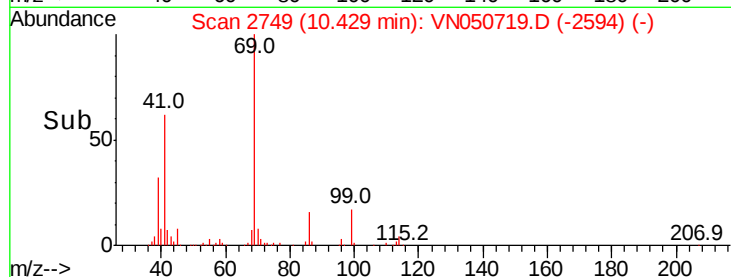
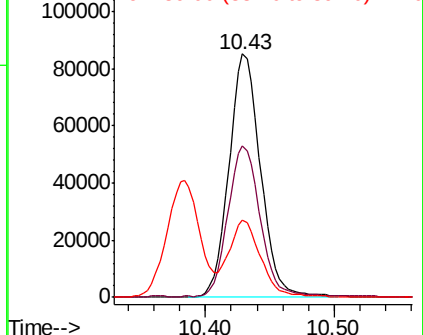
39 31.6 16.7 50.1



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: 19.011 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. 0.00 min

Lab File: VN050719.D

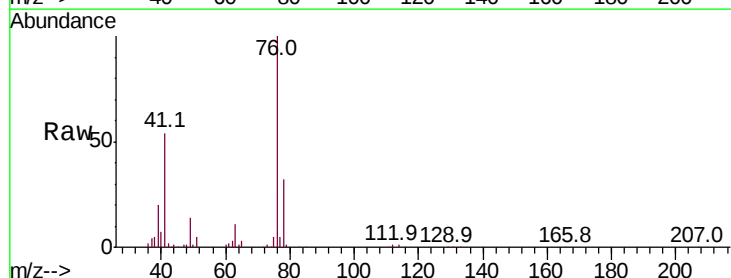
Acq: 17 Aug 2018 10:01

Tgt Ion: 76 Resp: 216017

Ion Ratio Lower Upper

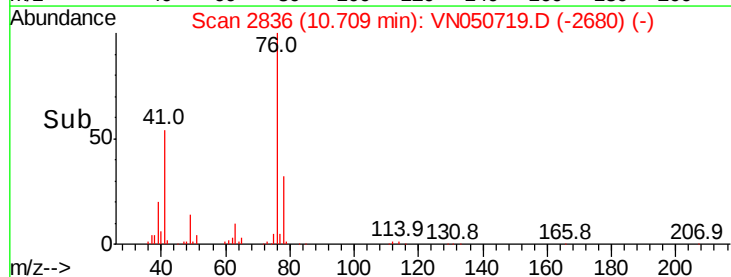
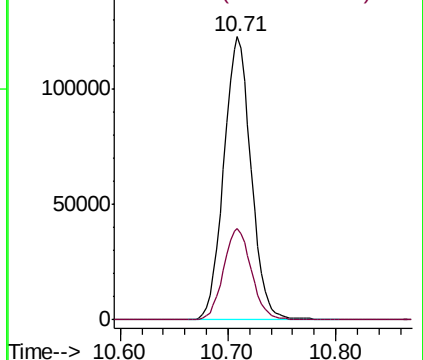
76 100

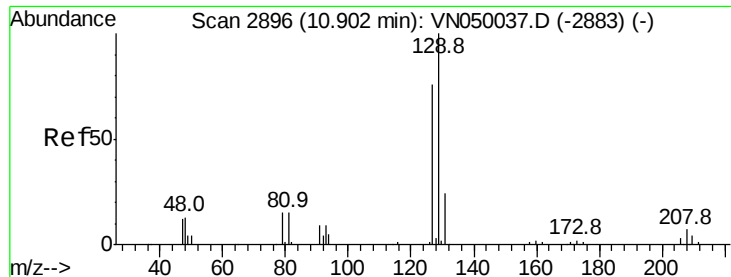
78 33.1 0.0 65.6



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0

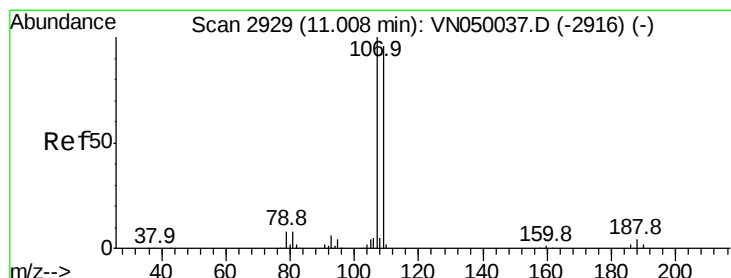
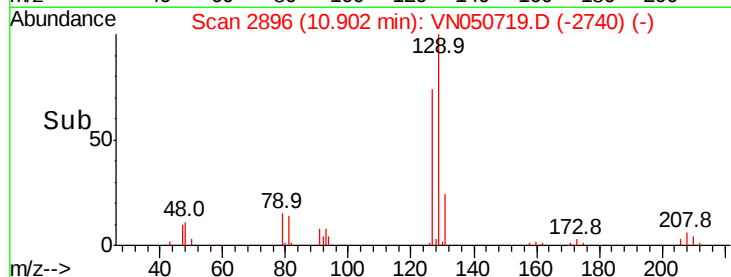
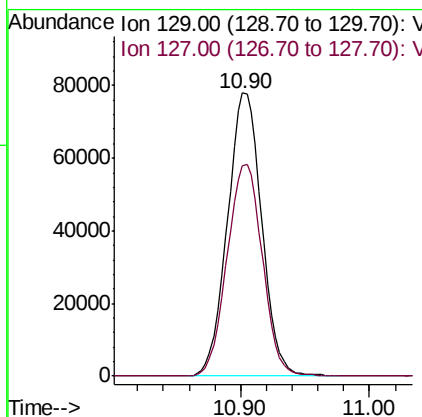
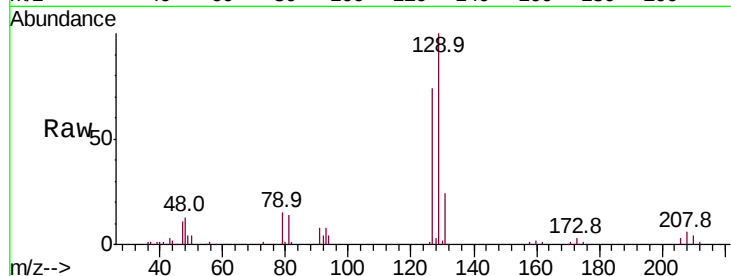




#53
Dibromochloromethane
Concen: 18.330 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. 0.00 min
Lab File: VN050719.D
Acq: 17 Aug 2018 10:01

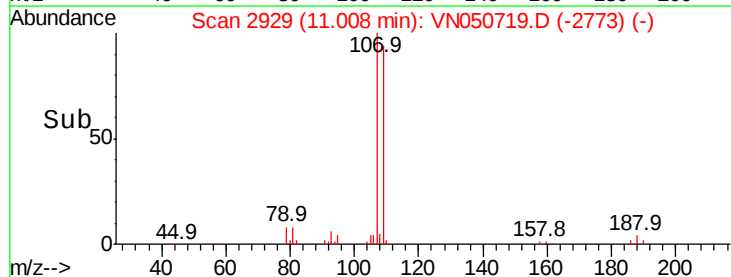
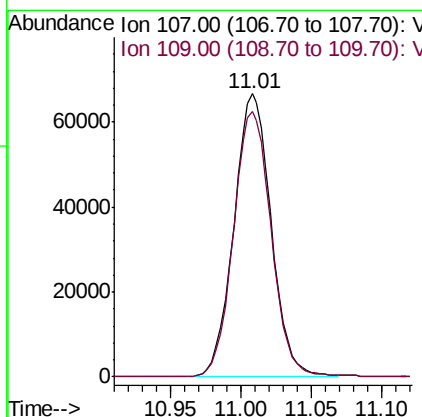
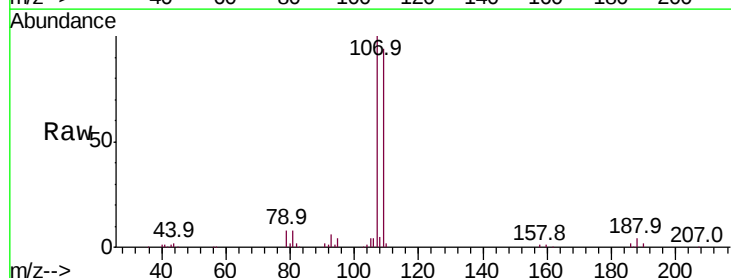
Instrument :
MSVOA_N
ClientSampled :

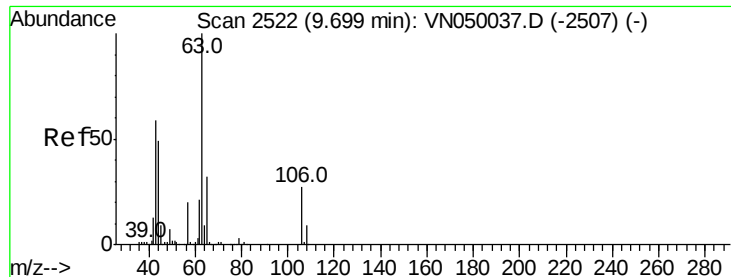
Tot Ion:129 Resp: 143938
Ion Ratio Lower Upper
129 100
127 76.9 38.1 114.5



#54
1,2-Dibromoethane
Concen: 18.159 ug/l
RT: 11.01 min Scan# 2929
Delta R.T. 0.00 min
Lab File: VN050719.D
Acq: 17 Aug 2018 10:01

Tgt Ion:107 Resp: 123061
Ion Ratio Lower Upper
107 100
109 95.2 76.2 114.2





#55

2-Chloroethyl vinyl ether

Concen: 91.986 ug/l

RT: 9.70 min Scan# 2521

Delta R.T. -0.00 min

Lab File: VN050719.D

Acq: 17 Aug 2018 10:01

Instrument :

MSVOA_N

ClientSampled :

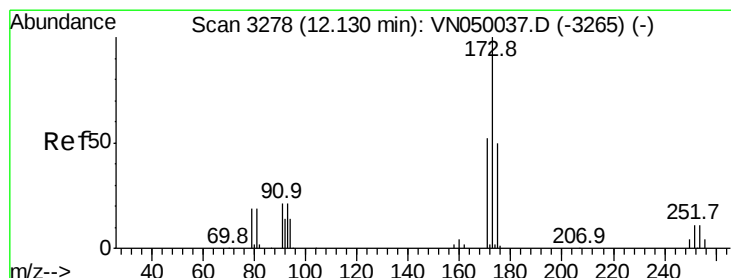
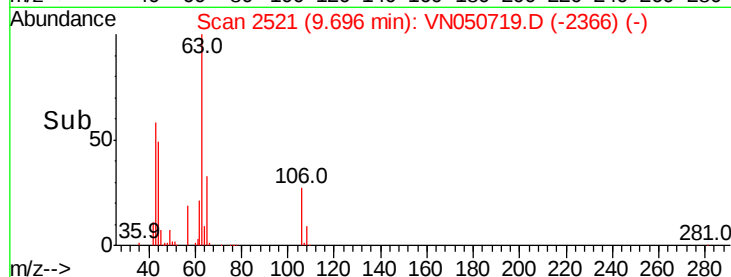
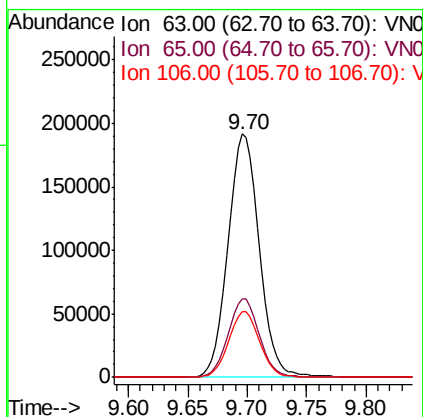
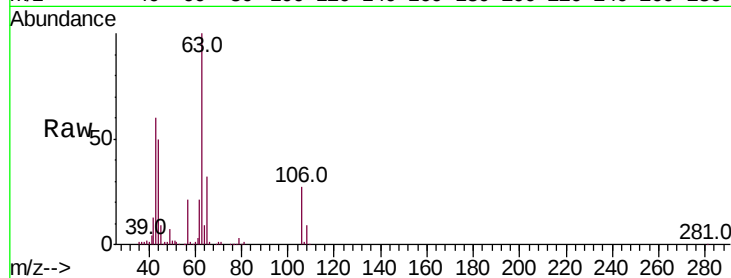
Tot Ion: 63 Resp: 349646

Ion Ratio Lower Upper

63 100

65 32.2 25.5 38.3

106 26.8 21.8 32.6



#56

Bromoform

Concen: 17.240 ug/l

RT: 12.13 min Scan# 3277

Delta R.T. -0.00 min

Lab File: VN050719.D

Acq: 17 Aug 2018 10:01

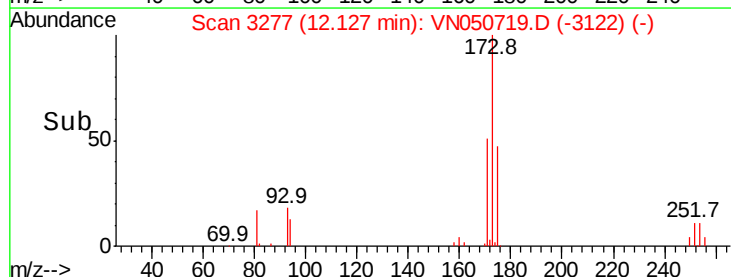
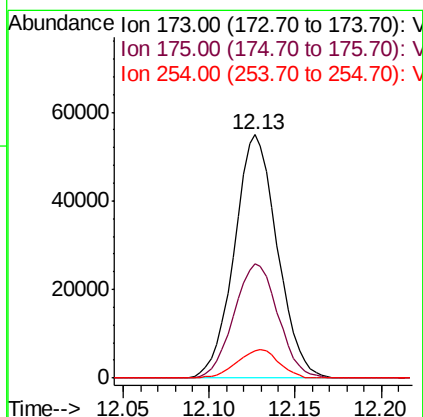
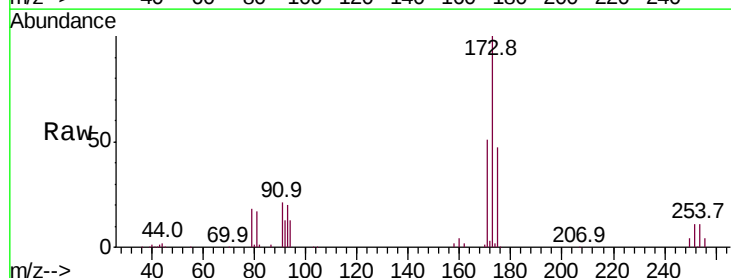
Tgt Ion: 173 Resp: 95597

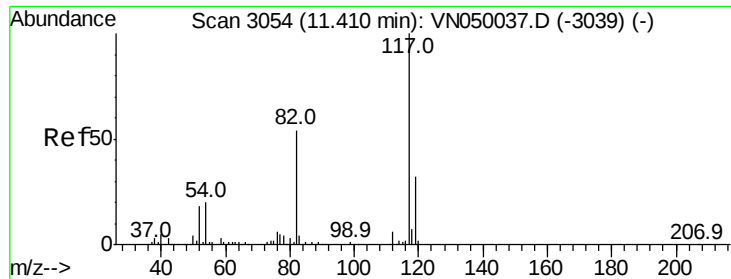
Ion Ratio Lower Upper

173 100

175 48.1 38.6 57.8

254 11.4 8.8 13.2

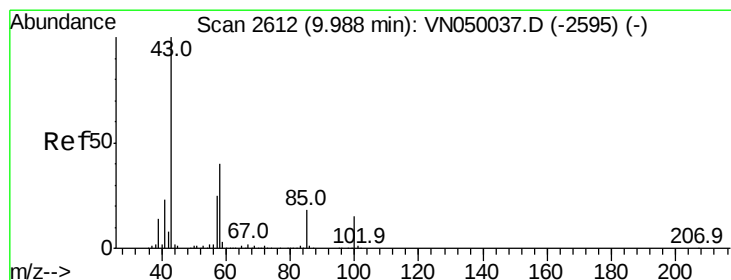
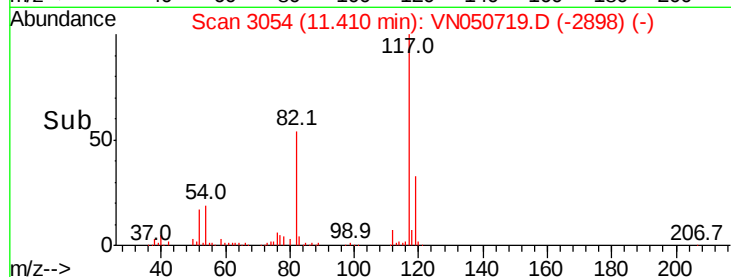
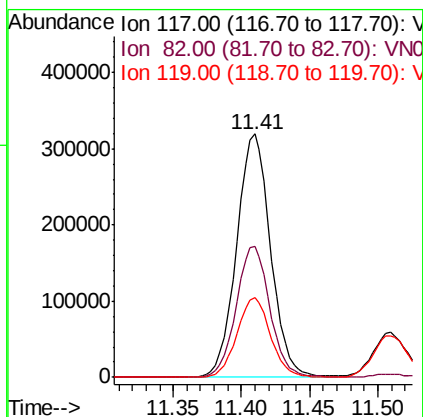
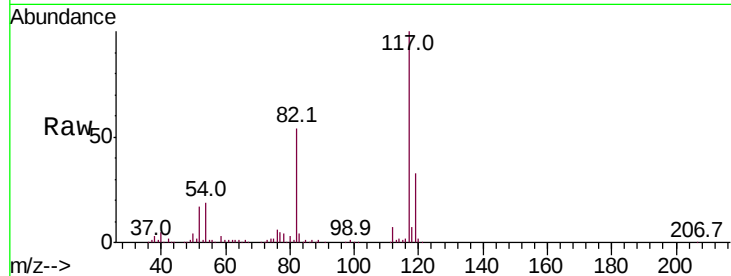




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050719.D
Acq: 17 Aug 2018 10:01

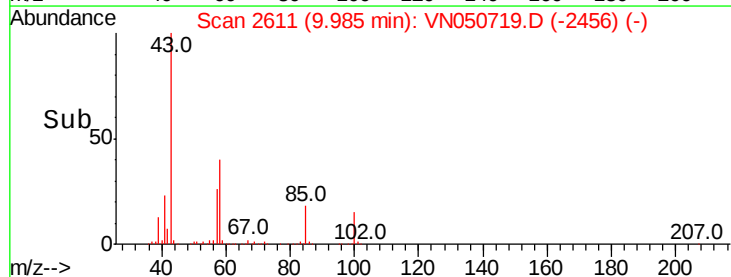
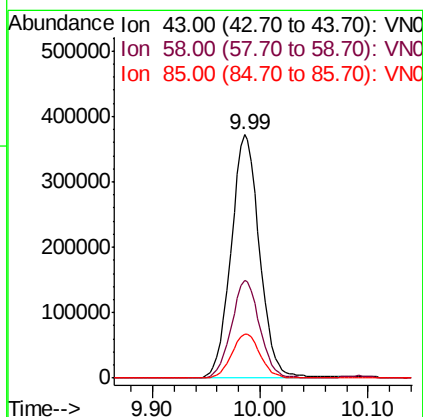
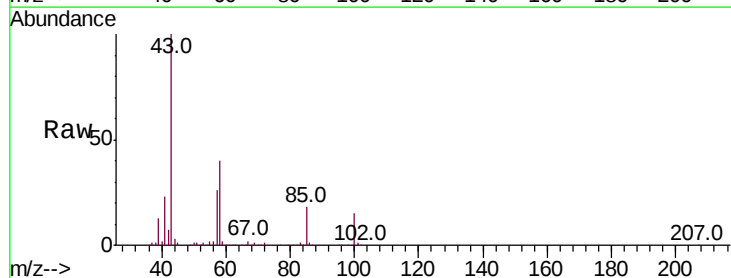
Instrument :
MSVOA_N
ClientSampled :

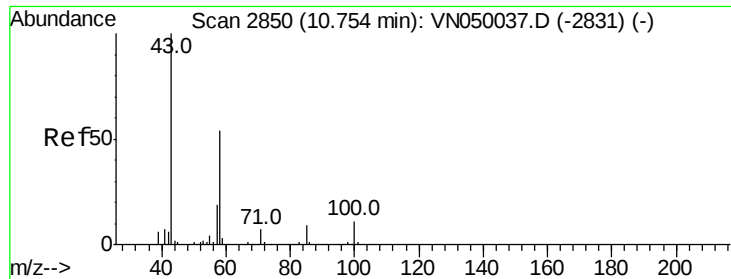
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.7	42.4	63.6
119	32.4	25.4	38.0



#58
4-Methyl-2-Pentanone
Concen: 106.348 ug/l
RT: 9.99 min Scan# 2611
Delta R.T. -0.00 min
Lab File: VN050719.D
Acq: 17 Aug 2018 10:01

Tgt Ion	Ratio	Lower	Upper
43	100		
58	40.0	31.2	46.8
85	18.2	14.4	21.6

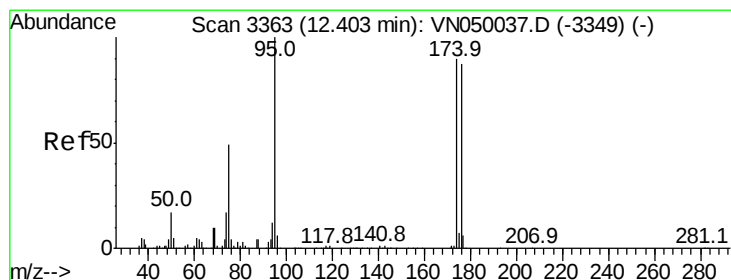
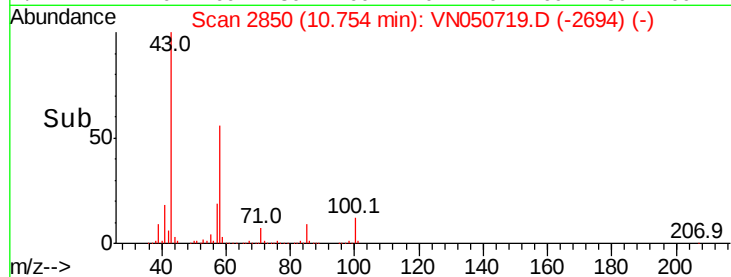
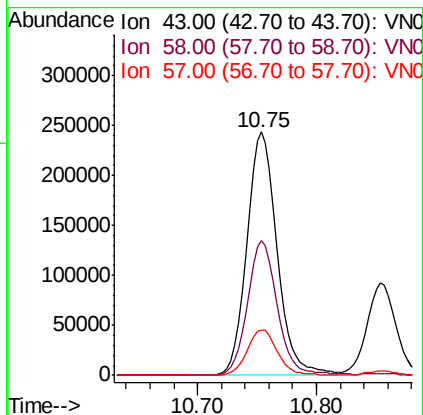
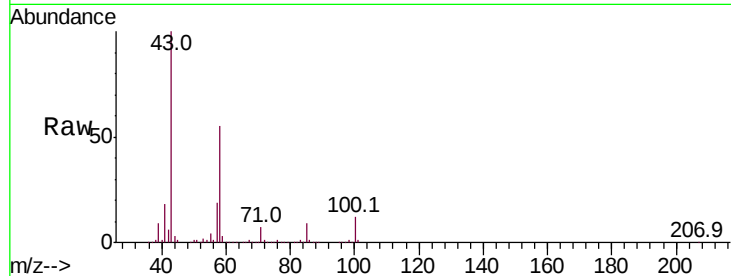




#59
2-Hexanone
Concen: 97.388 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN050719.D
Acq: 17 Aug 2018 10:01

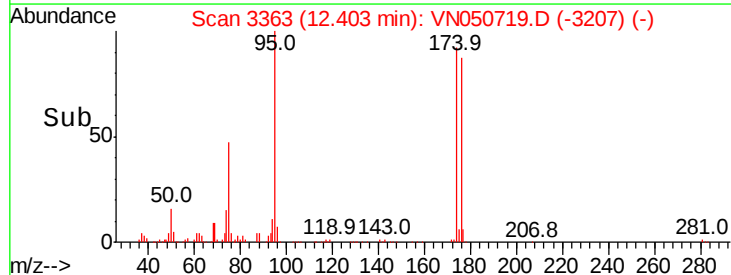
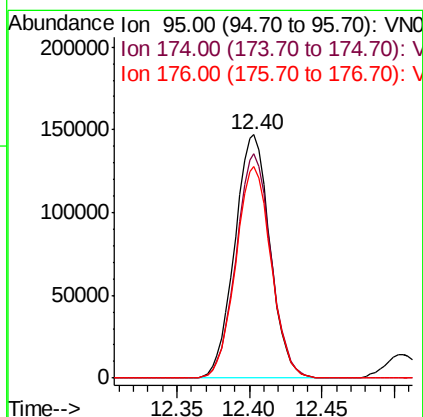
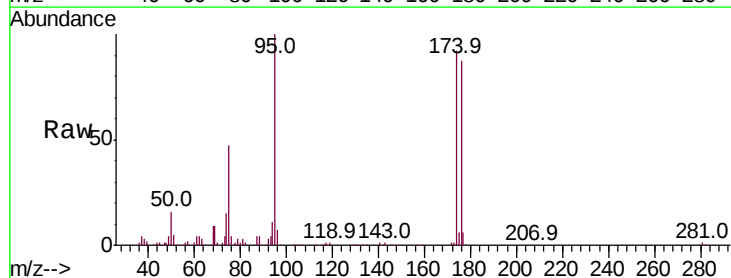
Instrument :
MSVOA_N
ClientSampled :

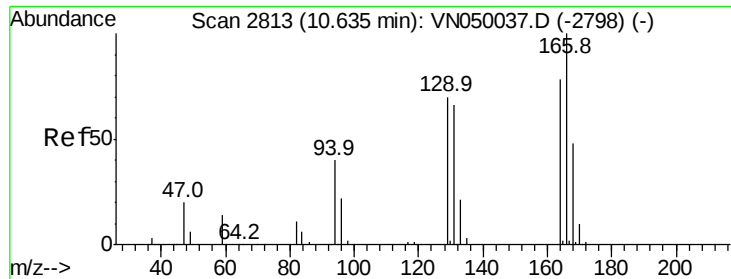
Tot Ion: 43 Resp: 426465
Ion Ratio Lower Upper
43 100
58 55.0 43.8 65.8
57 19.0 15.1 22.7



#60
4-Bromofluorobenzene
Concen: 29.307 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN050719.D
Acq: 17 Aug 2018 10:01

Tgt Ion: 95 Resp: 248370
Ion Ratio Lower Upper
95 100
174 91.4 72.3 108.5
176 87.3 70.0 105.0





#61

Tetrachloroethene

Concen: 18.830 ug/l

RT: 10.63 min Scan# 2812

Delta R.T. -0.00 min

Lab File: VN050719.D

Acq: 17 Aug 2018 10:01

Instrument :

MSVOA_N

ClientSampled :

Tot Ion:164 Resp: 140696

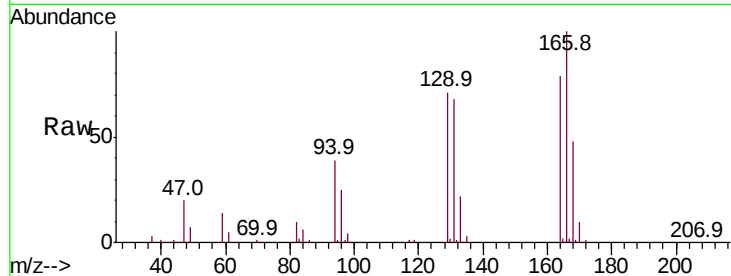
Ion Ratio Lower Upper

164 100

166 126.0 100.0 150.0

129 89.6 69.3 103.9

131 85.9 68.8 103.2

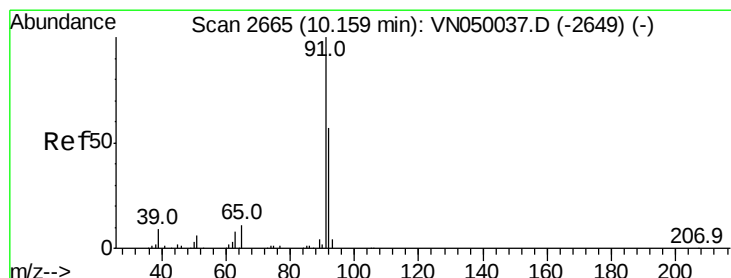
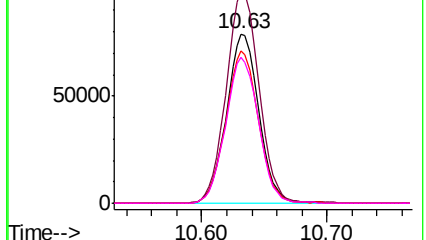
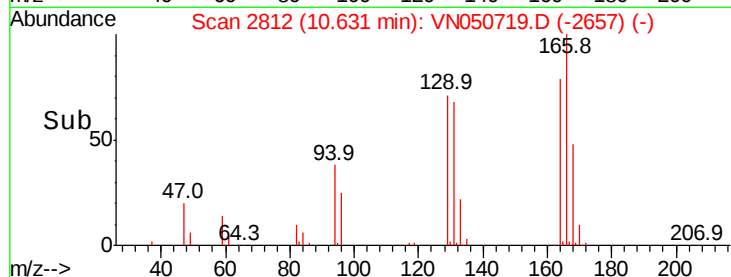


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 20.162 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. -0.00 min

Lab File: VN050719.D

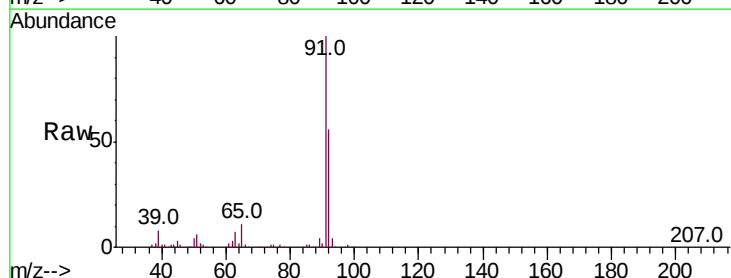
Acq: 17 Aug 2018 10:01

Tgt Ion: 91 Resp: 634564

Ion Ratio Lower Upper

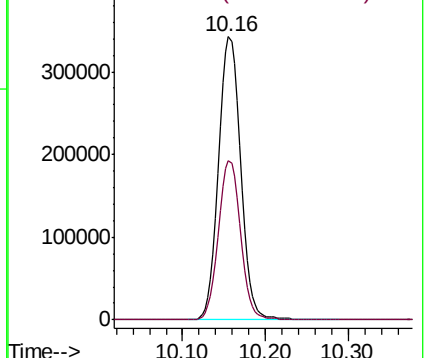
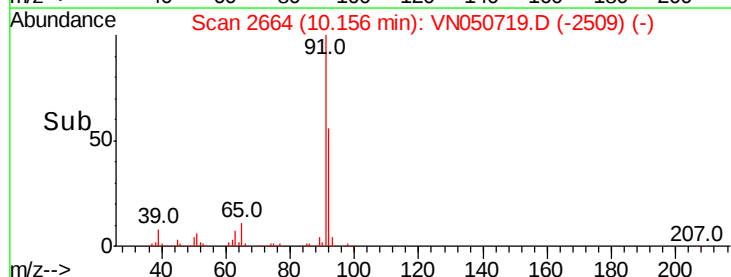
91 100

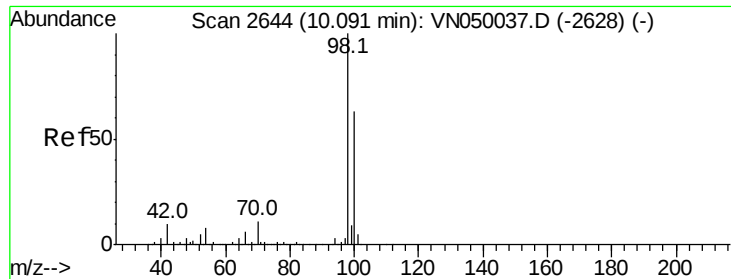
92 56.1 45.7 68.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





#63

Toluene-d8

Concen: 30.733 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VN050719.D

Acq: 17 Aug 2018 10:01

Instrument :

MSVOA_N

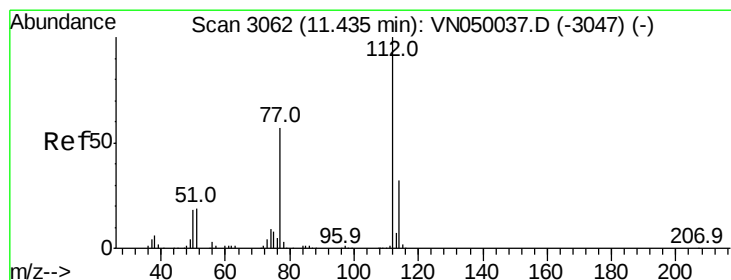
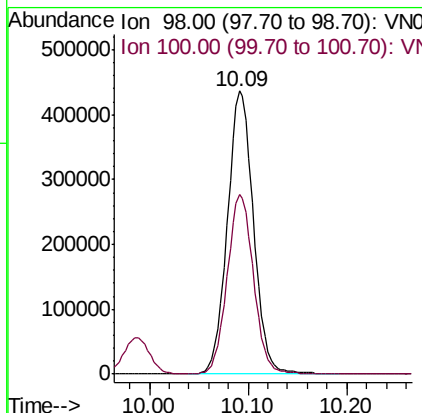
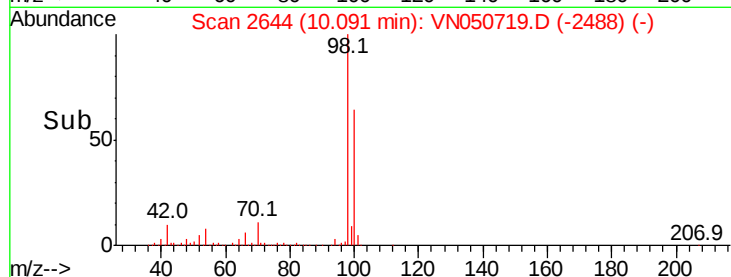
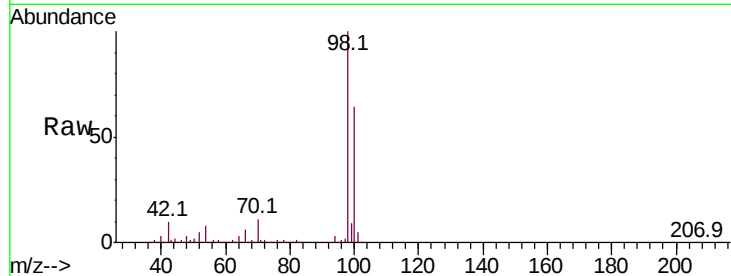
ClientSampled :

Tot Ion: 98 Resp: 809791

Ion Ratio Lower Upper

98 100

100 64.0 51.2 76.8



#64

Chlorobenzene

Concen: 19.806 ug/l

RT: 11.43 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VN050719.D

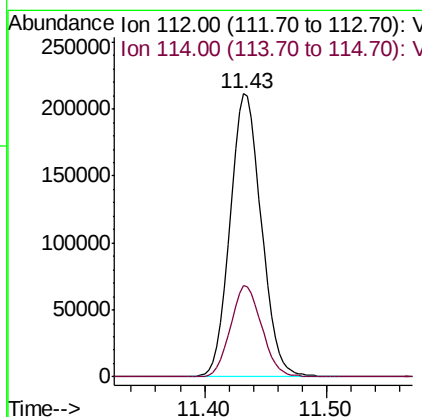
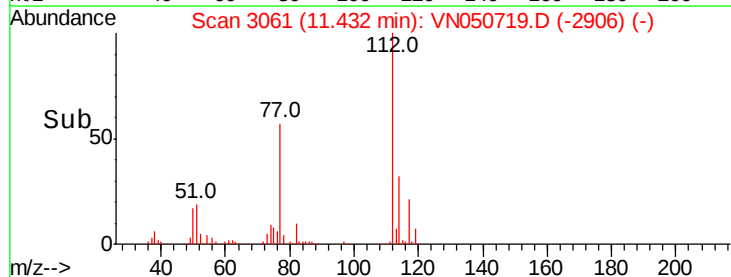
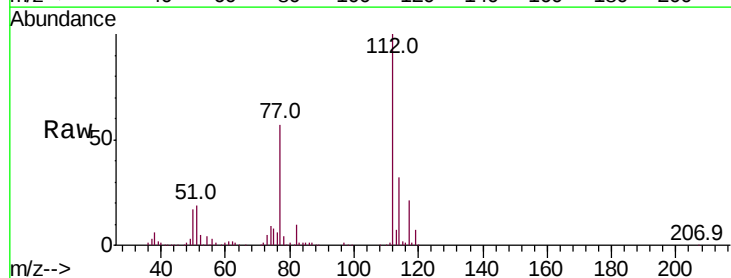
Acq: 17 Aug 2018 10:01

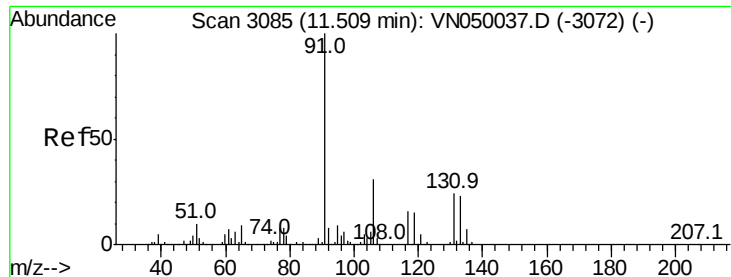
Tgt Ion: 112 Resp: 377998

Ion Ratio Lower Upper

112 100

114 32.1 26.2 39.2





#65

1,1,1,2-Tetrachloroethane

Concen: 19.663 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. 0.00 min

Lab File: VN050719.D

Acq: 17 Aug 2018 10:01

Instrument :

MSVOA_N

ClientSampleId :

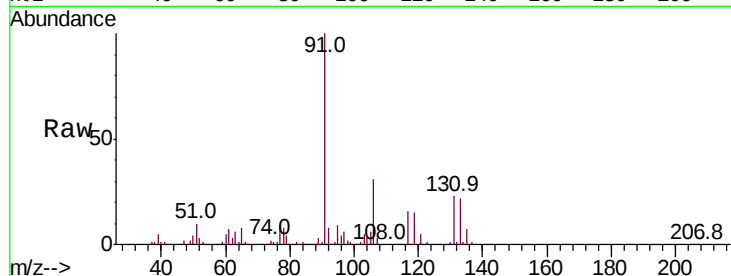
Tot Ion:131 Resp: 146373

Ion Ratio Lower Upper

131 100

133 95.0 0.0 190.0

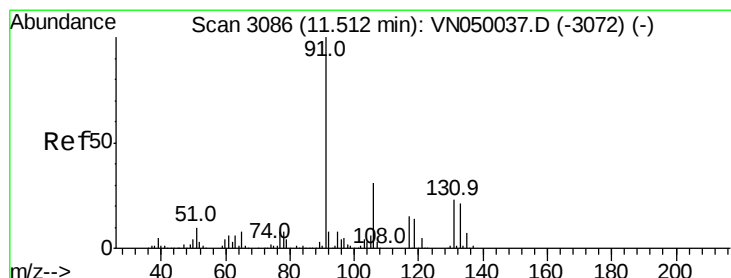
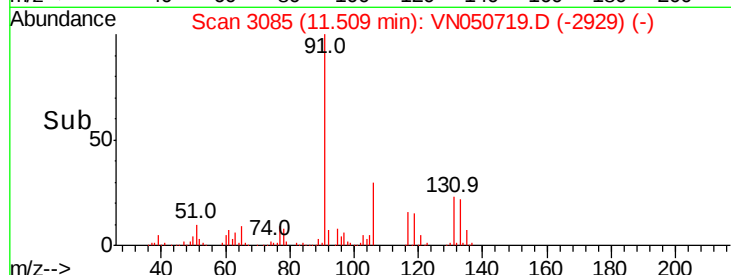
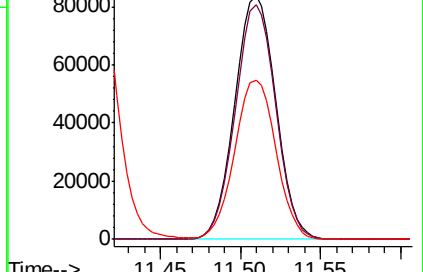
119 66.1 0.0 131.6



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: 19.248 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN050719.D

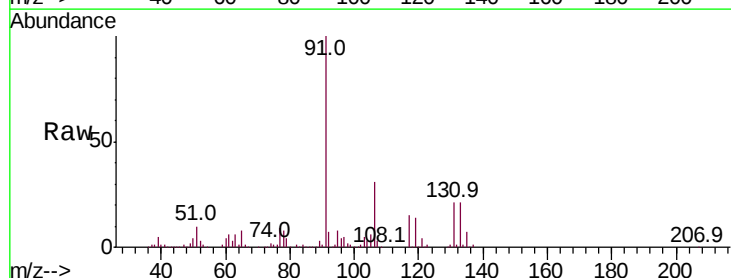
Acq: 17 Aug 2018 10:01

Tgt Ion: 91 Resp: 619066

Ion Ratio Lower Upper

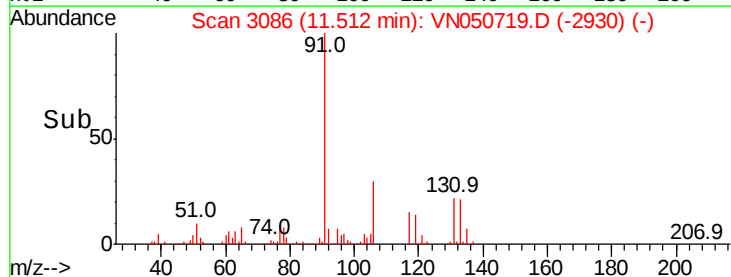
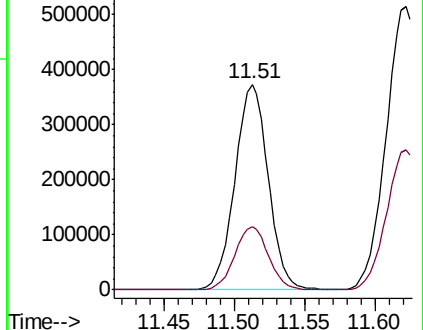
91 100

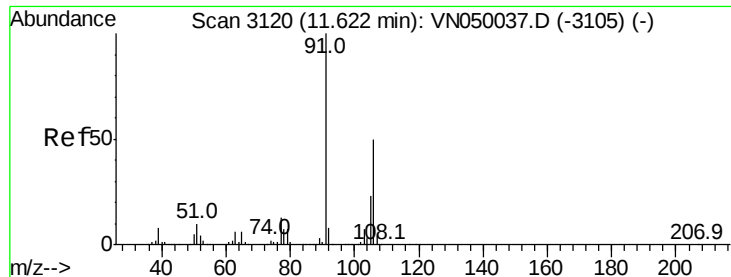
106 30.8 25.1 37.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V





#67

m/p-Xylenes

Concen: 39.681 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. 0.00 min

Lab File: VN050719.D

Acq: 17 Aug 2018 10:01

Instrument :

MSVOA_N

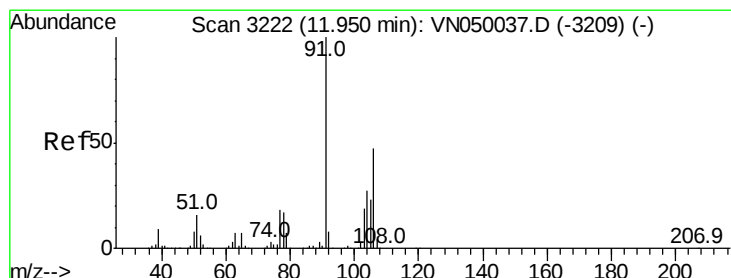
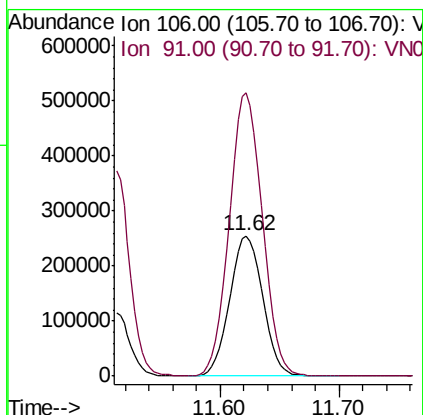
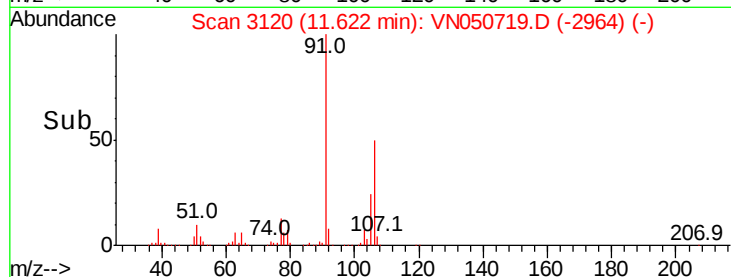
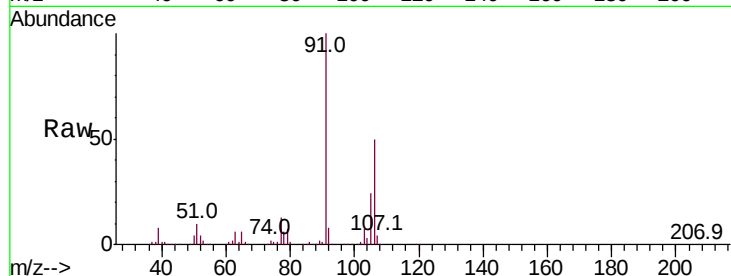
ClientSampleId :

Tot Ion:106 Resp: 491162

Ion Ratio Lower Upper

106 100

91 201.8 162.5 243.7



#68

o-Xylene

Concen: 19.568 ug/l

RT: 11.95 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN050719.D

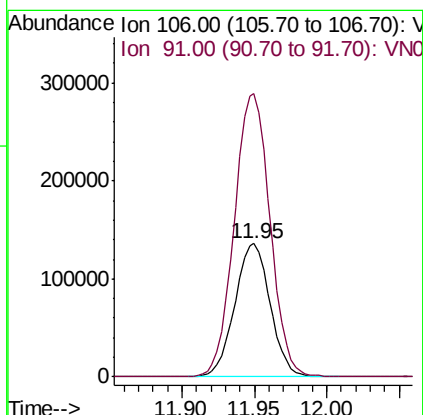
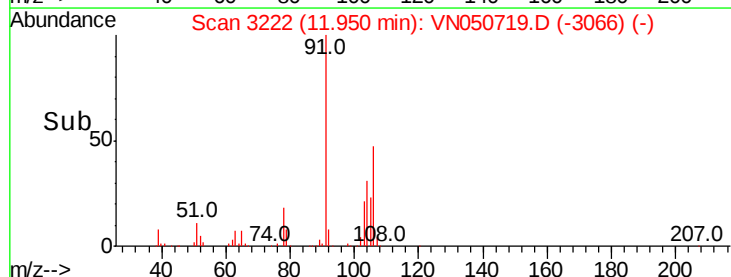
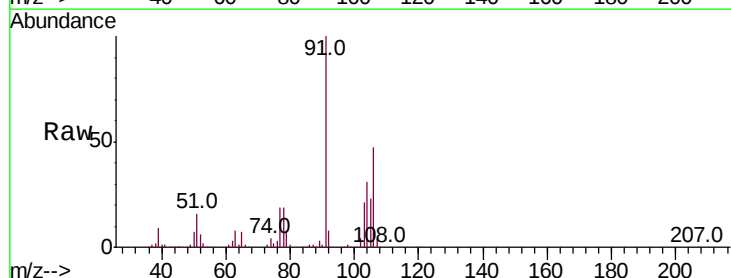
Acq: 17 Aug 2018 10:01

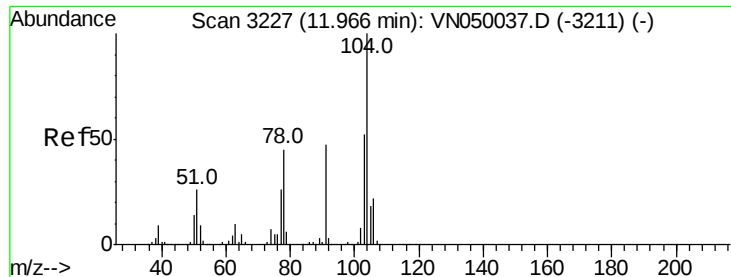
Tgt Ion:106 Resp: 230446

Ion Ratio Lower Upper

106 100

91 215.0 106.8 320.4

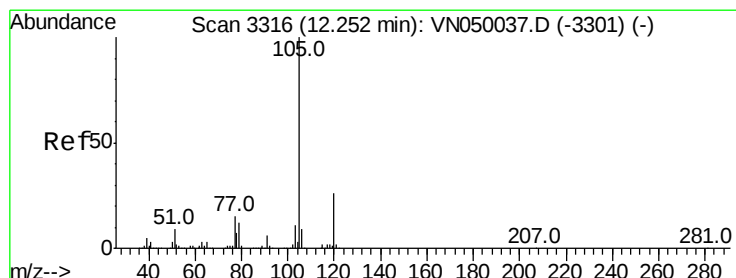
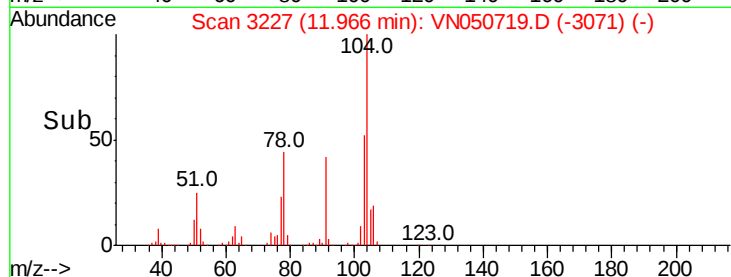
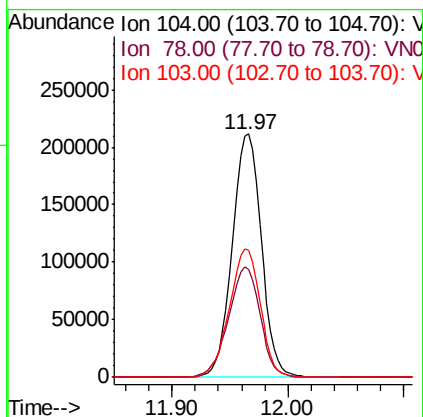
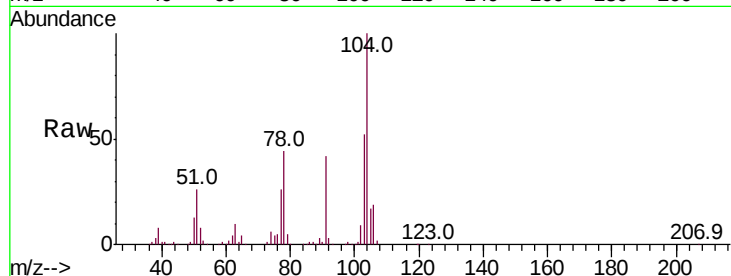




#69
Stvrene
Concen: 19.509 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN050719.D
Acq: 17 Aug 2018 10:01

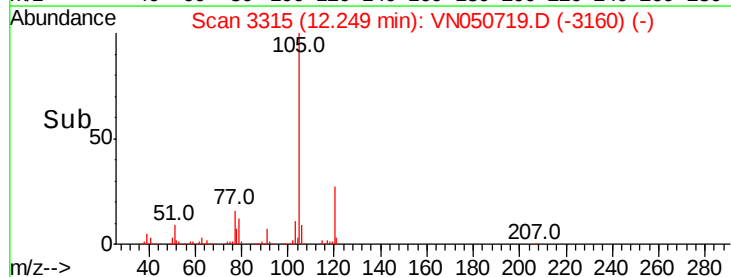
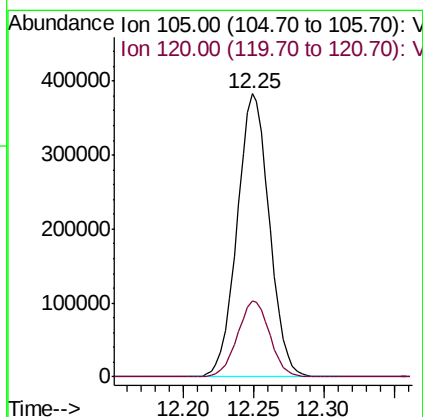
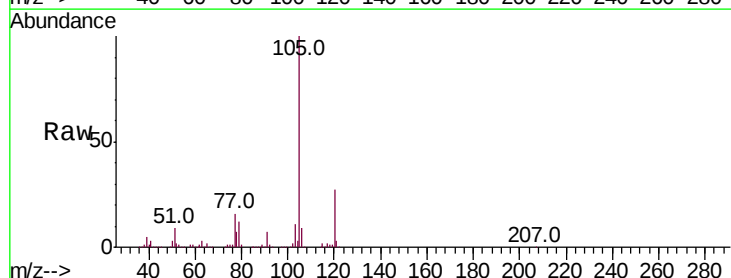
Instrument :
MSVOA_N
ClientSampled :

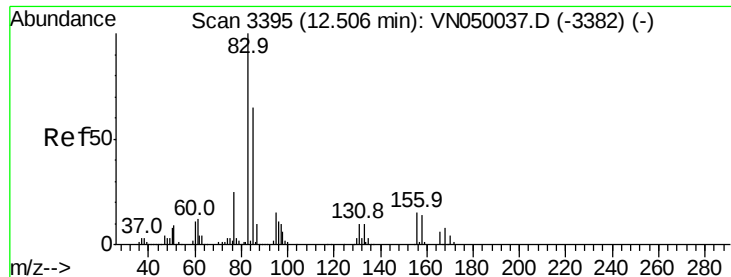
Tot Ion	Ratio	Lower	Upper
104	100		
78	49.2	39.3	58.9
103	56.3	44.5	66.7



#70
Isopropylbenzene
Concen: 19.549 ug/l
RT: 12.25 min Scan# 3315
Delta R.T. -0.00 min
Lab File: VN050719.D
Acq: 17 Aug 2018 10:01

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.9	18.9	35.1

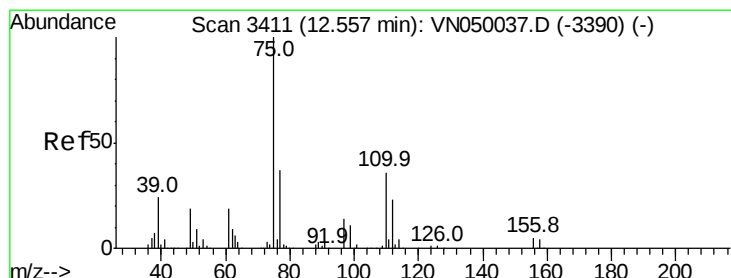
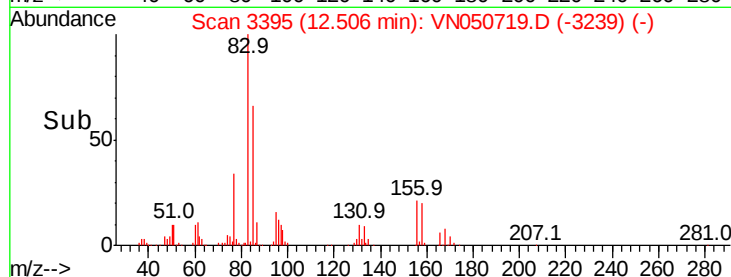
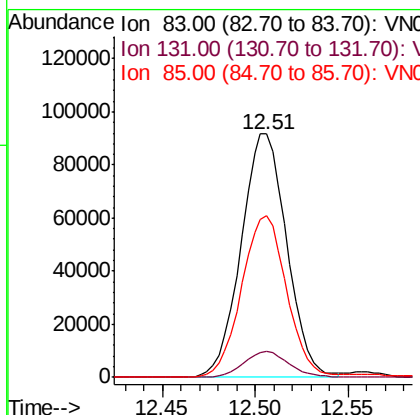
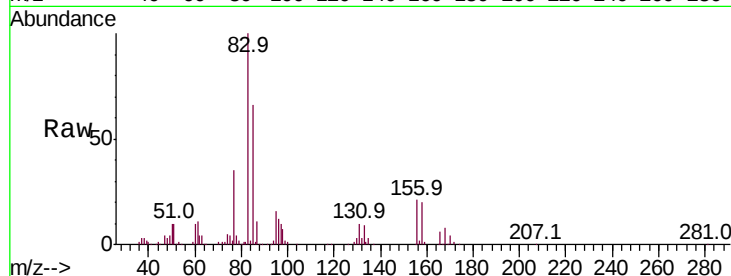




#71
 1,1,2,2-Tetrachloroethane
 Concen: 18.259 ug/l
 RT: 12.51 min Scan# 3395
 Delta R.T. 0.00 min
 Lab File: VN050719.D
 Acq: 17 Aug 2018 10:01

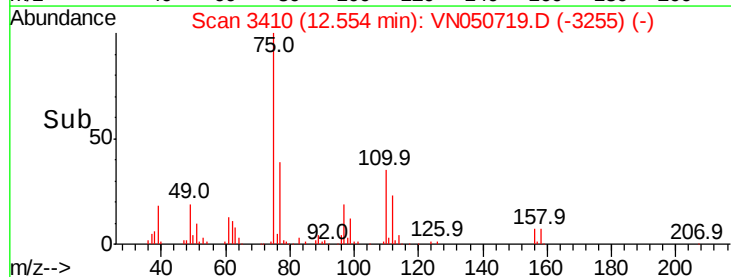
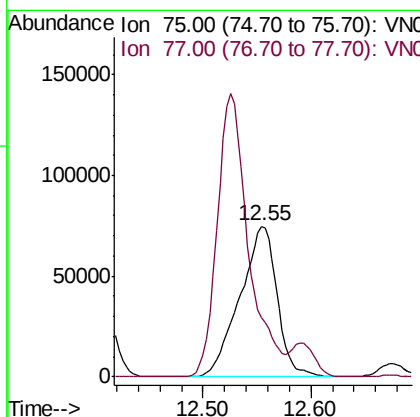
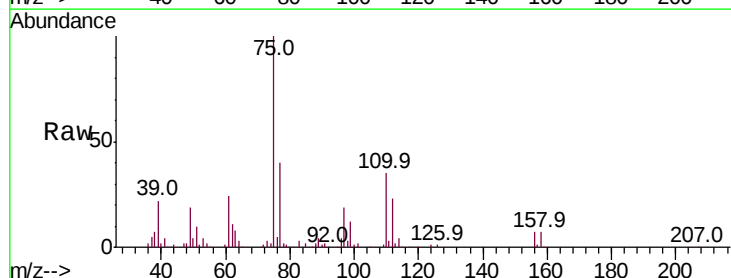
Instrument :
 MSVOA_N
 ClientSampleId :

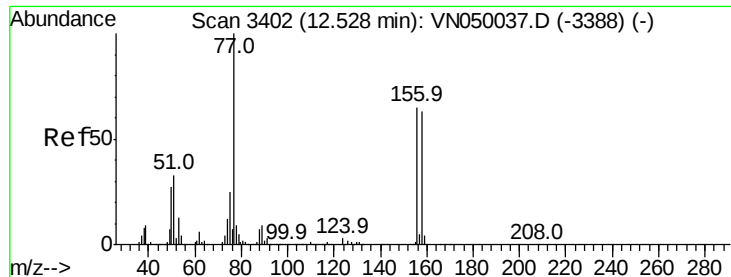
Tot Ion	83	Resp	157238
Ion	Ratio	Lower	Upper
83	100		
131	10.5	5.2	15.6
85	65.4	31.7	95.1



#72
 1,2,3-Trichloropropane
 Concen: 24.385 ug/l
 RT: 12.55 min Scan# 3410
 Delta R.T. -0.00 min
 Lab File: VN050719.D
 Acq: 17 Aug 2018 10:01

Tgt Ion	75	Resp	179348
Ion	Ratio	Lower	Upper
75	100		
77	158.3	0.0	454.4





#73

Bromobenzene

Concen: 19.014 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN050719.D

Acq: 17 Aug 2018 10:01

Instrument :

MSVOA_N

ClientSampled :

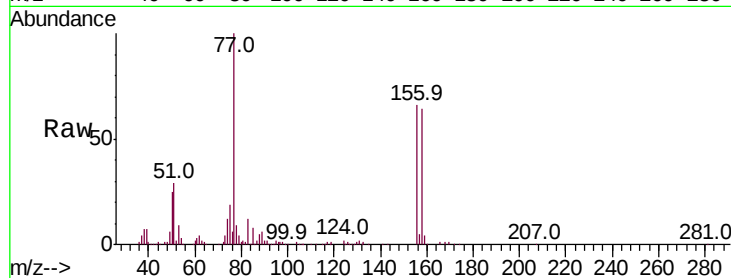
Tot Ion:156 Resp: 158862

Ion Ratio Lower Upper

156 100

77 178.7 0.0 359.8

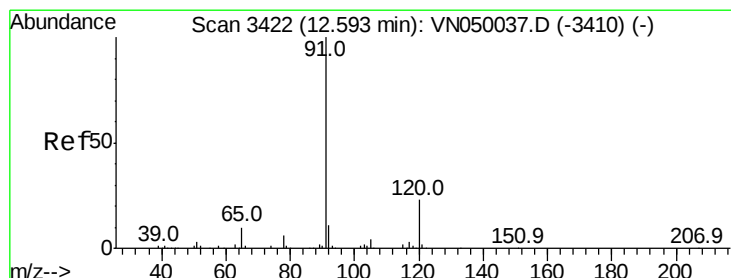
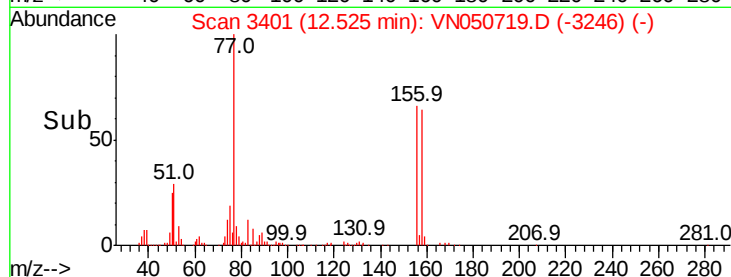
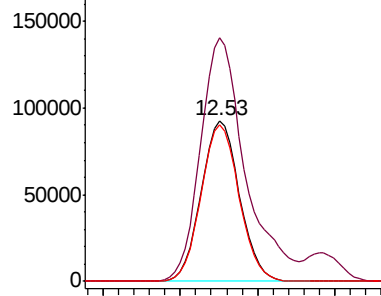
158 97.2 0.0 192.8



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: 18.944 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN050719.D

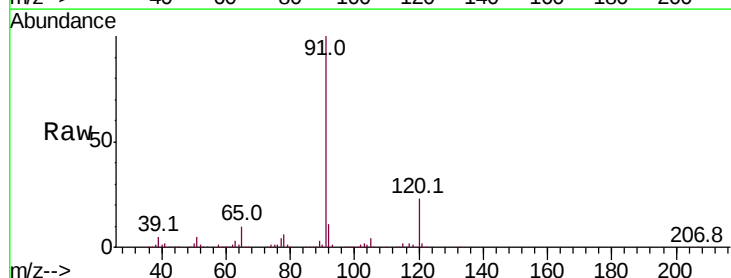
Acq: 17 Aug 2018 10:01

Tgt Ion: 91 Resp: 691995

Ion Ratio Lower Upper

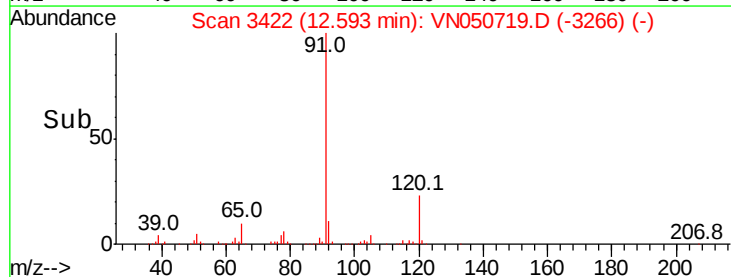
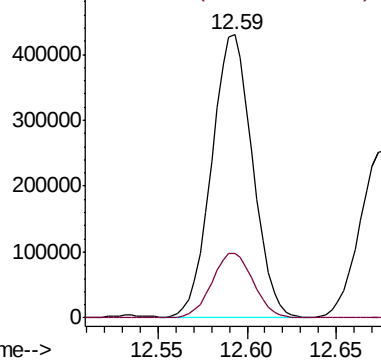
91 100

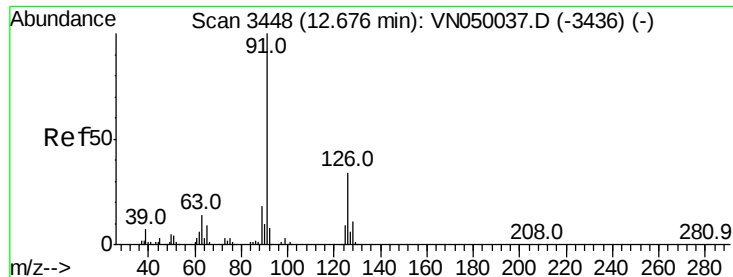
120 23.1 0.0 46.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 19.483 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN050719.D

Acq: 17 Aug 2018 10:01

Instrument :

MSVOA_N

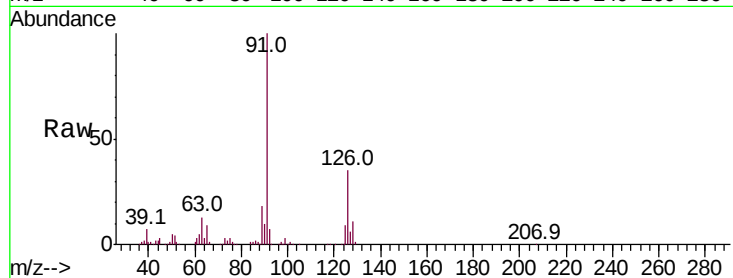
ClientSampled :

Tot Ion: 91 Resp: 427466

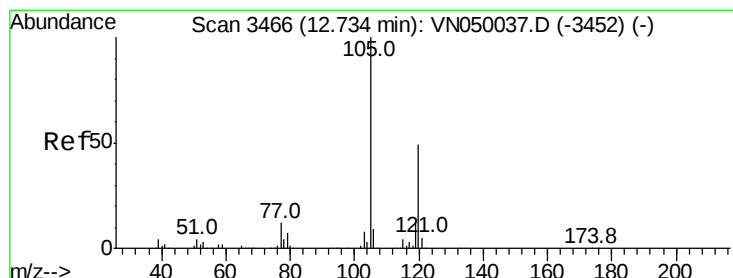
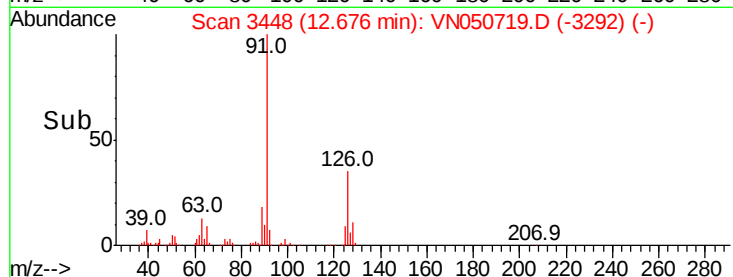
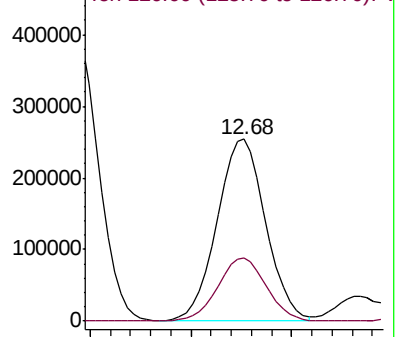
Ion Ratio Lower Upper

91 100

126 34.8 0.0 68.6



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



#76

1,3,5-Trimethylbenzene

Concen: 19.748 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050719.D

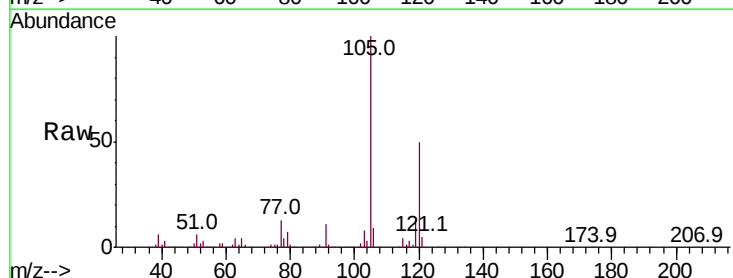
Acq: 17 Aug 2018 10:01

Tgt Ion:105 Resp: 508735

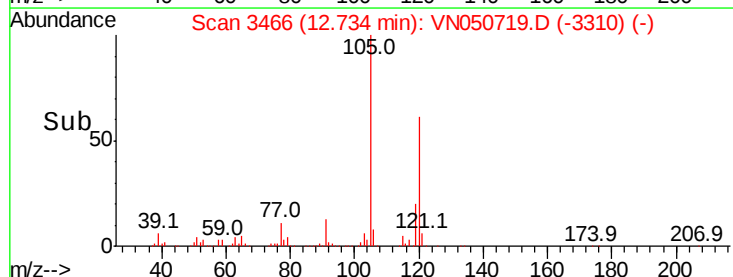
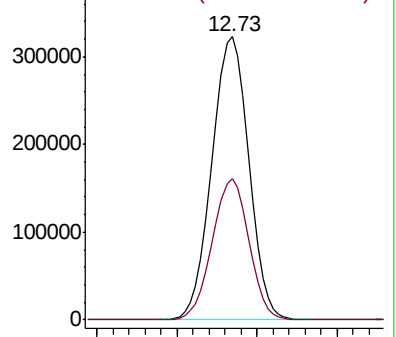
Ion Ratio Lower Upper

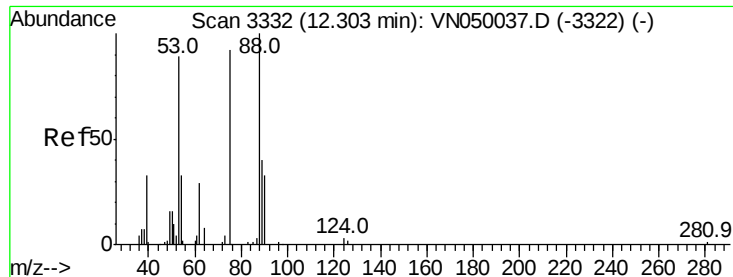
105 100

120 49.4 0.0 98.0



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





#77

t-1,4-Dichloro-2-butene

Concen: 14.434 ug/l

RT: 12.30 min Scan# 3331

Delta R.T. -0.00 min

Lab File: VN050719.D

Acq: 17 Aug 2018 10:01

Instrument :

MSVOA_N

ClientSampled :

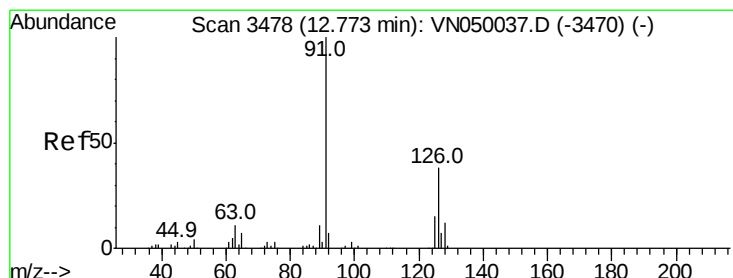
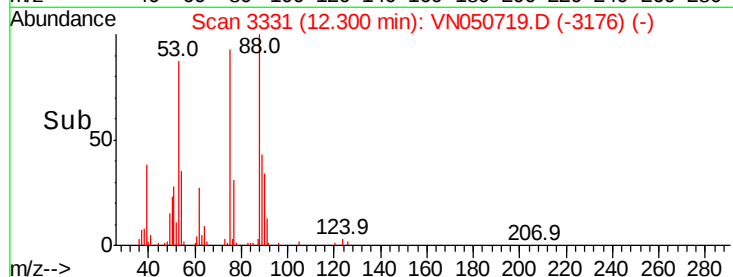
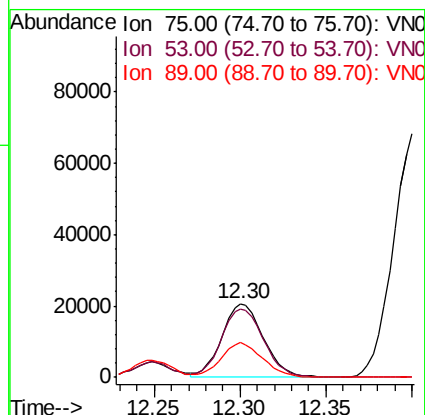
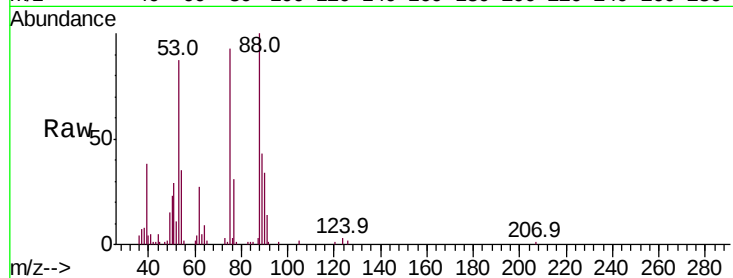
Tot Ion: 75 Resp: 34709

Ion Ratio Lower Upper

75 100

53 94.4 44.6 134.0

89 47.3 20.7 62.1



#78

4-Chlorotoluene

Concen: 19.185 ug/l

RT: 12.77 min Scan# 3478

Delta R.T. 0.00 min

Lab File: VN050719.D

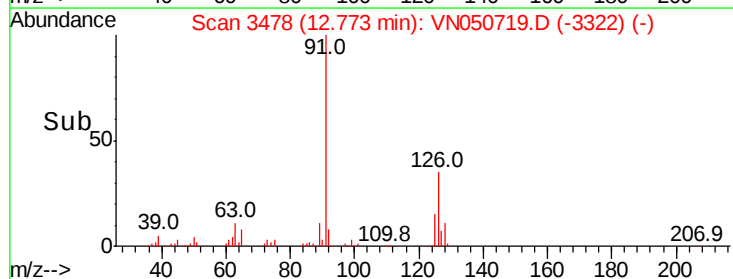
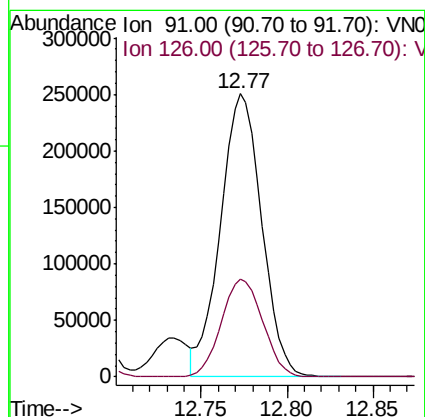
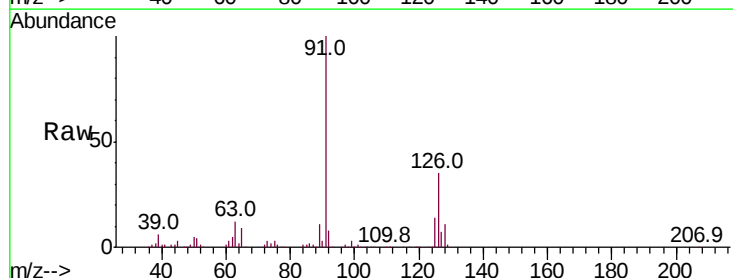
Acq: 17 Aug 2018 10:01

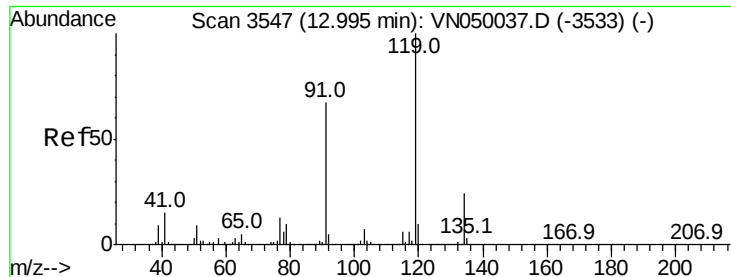
Tgt Ion: 91 Resp: 417125

Ion Ratio Lower Upper

91 100

126 34.8 0.0 68.4





#79

tert-butylbenzene

Concen: 18.987 ug/l

RT: 12.99 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN050719.D

Acq: 17 Aug 2018 10:01

Instrument :

MSVOA_N

ClientSampled :

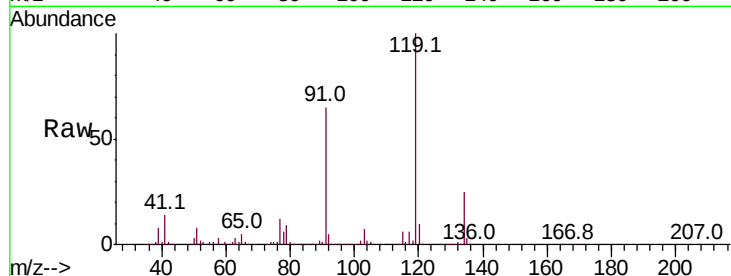
Tot Ion:119 Resp: 418185

Ion Ratio Lower Upper

119 100

91 64.7 0.0 126.8

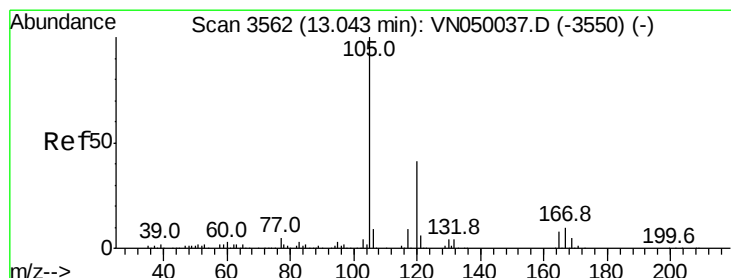
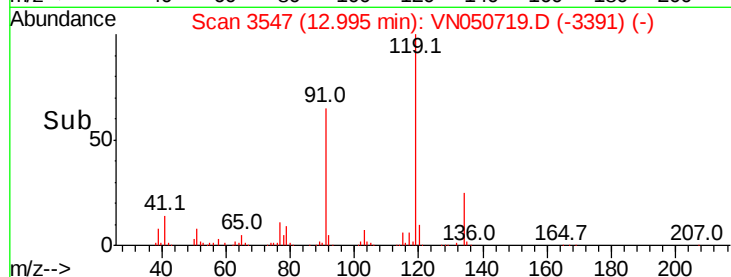
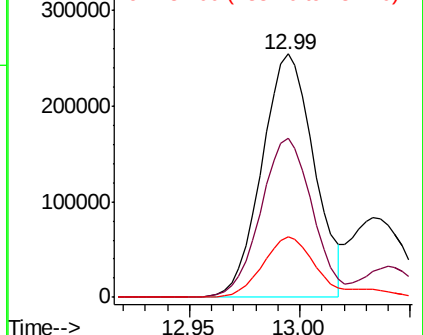
134 24.9 0.0 47.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN0

Ion 134.00 (133.70 to 134.70): V



#80

1,2,4-Trimethylbenzene

Concen: 19.443 ug/l

RT: 13.04 min Scan# 3561

Delta R.T. -0.00 min

Lab File: VN050719.D

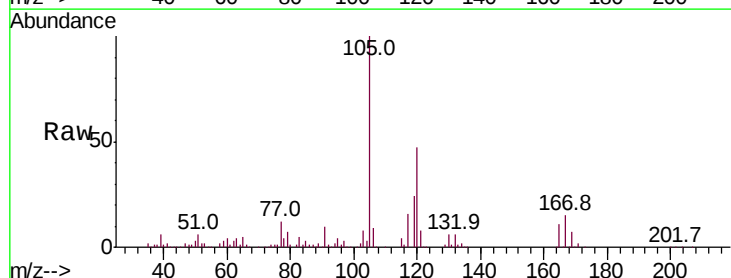
Acq: 17 Aug 2018 10:01

Tgt Ion:105 Resp: 507462

Ion Ratio Lower Upper

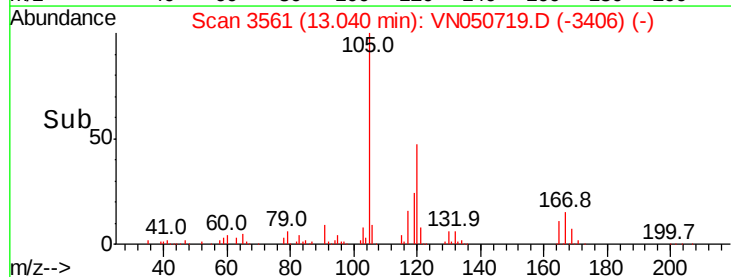
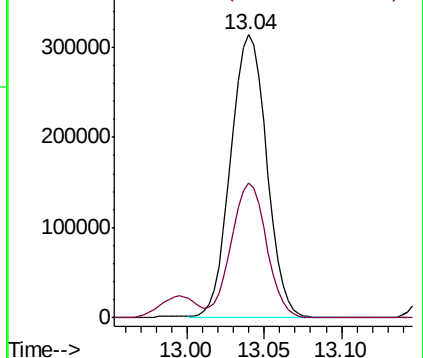
105 100

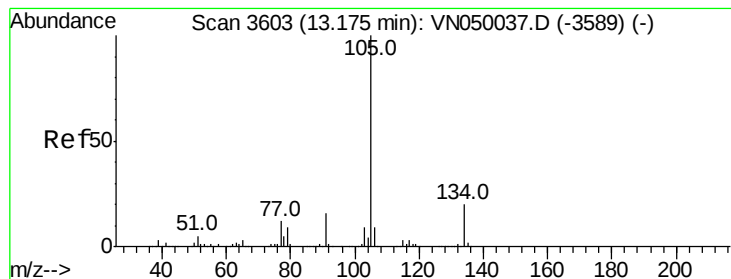
120 46.8 0.0 90.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

sec-Butylbenzene

Concen: 18.946 ug/l

RT: 13.17 min Scan# 3602

Delta R.T. -0.00 min

Lab File: VN050719.D

Acq: 17 Aug 2018 10:01

Instrument :

MSVOA_N

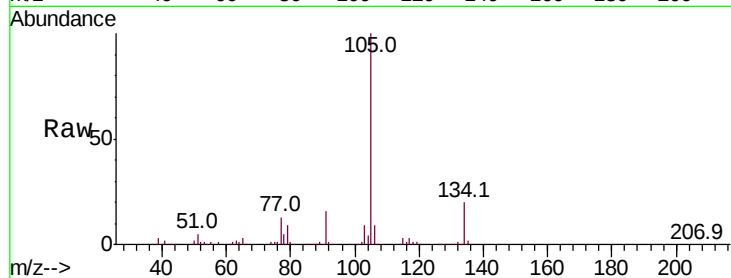
ClientSampleId :

Tot Ion:105 Resp: 566844

Ion Ratio Lower Upper

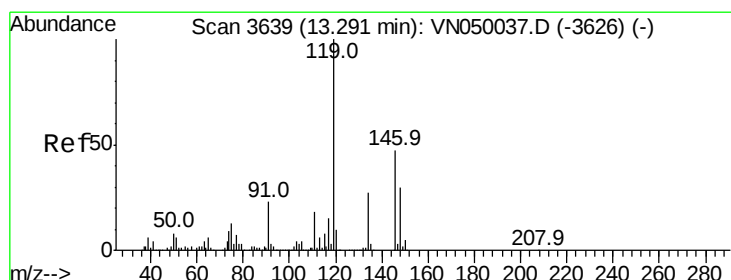
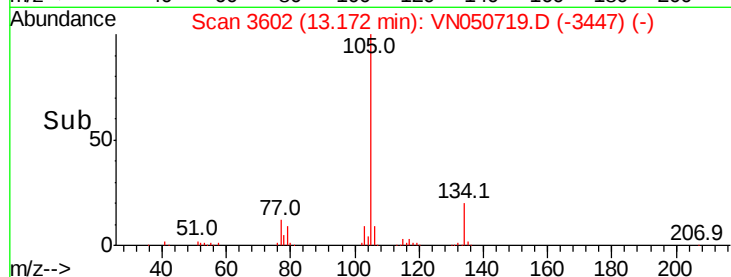
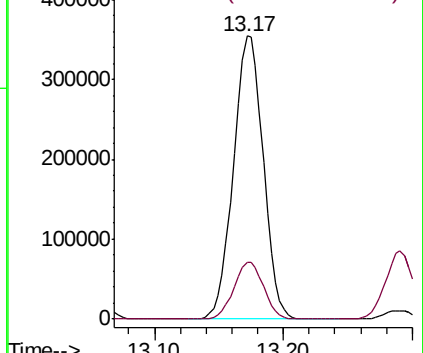
105 100

134 20.1 0.0 40.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 18.693 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050719.D

Acq: 17 Aug 2018 10:01

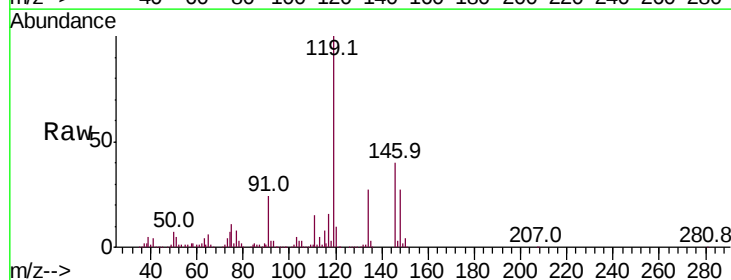
Tgt Ion:119 Resp: 477207

Ion Ratio Lower Upper

119 100

134 26.9 0.0 52.2

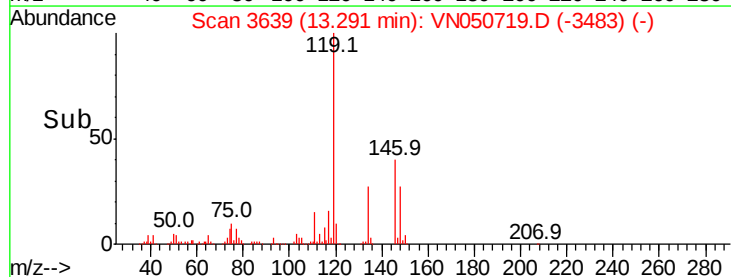
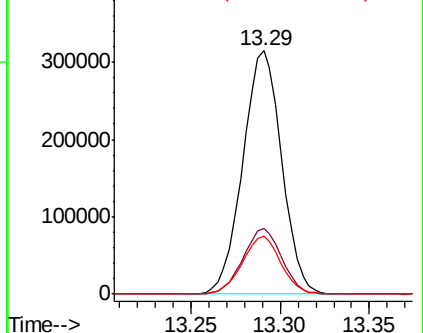
91 23.5 0.0 45.6

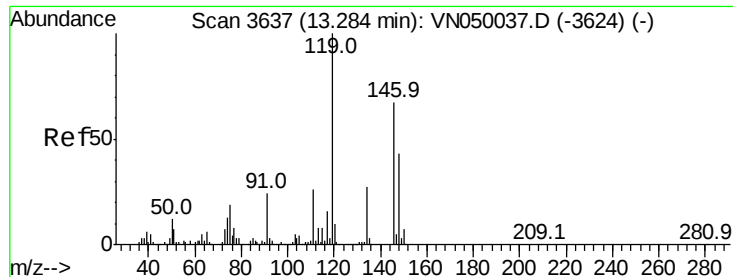


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

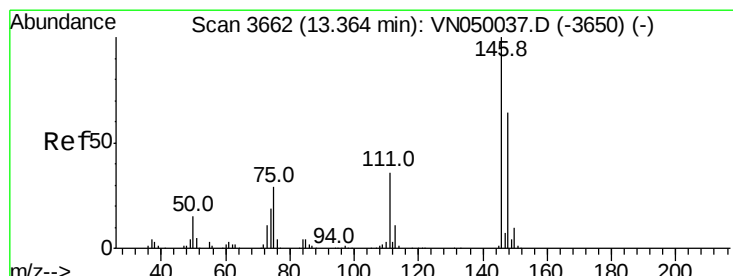
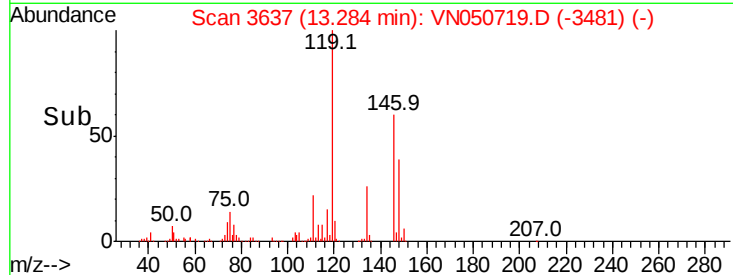
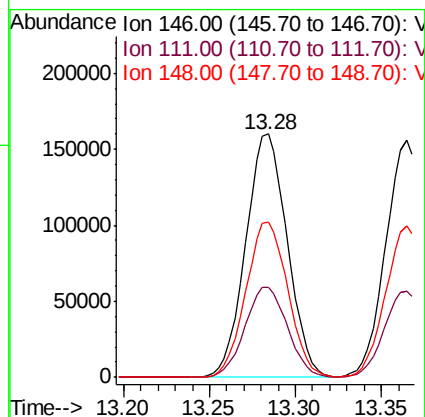
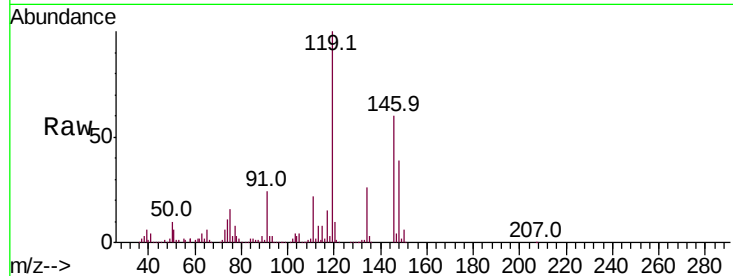




#83
 1,3-Dichlorobenzene
 Concen: 18.422 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. 0.00 min
 Lab File: VN050719.D
 Acq: 17 Aug 2018 10:01

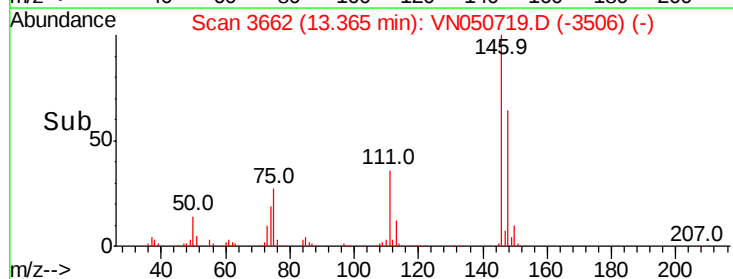
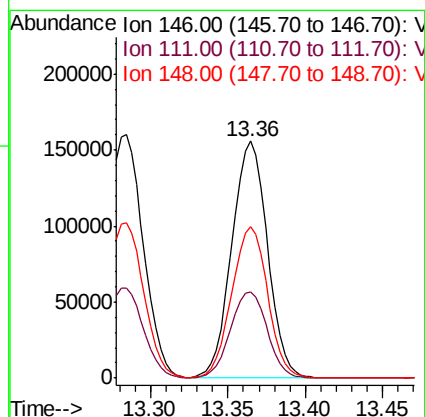
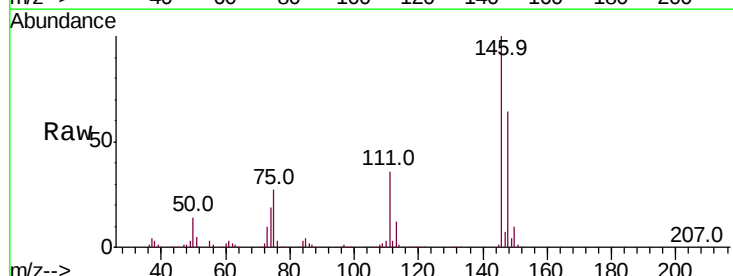
Instrument :
 MSVOA_N
 ClientSampleId :

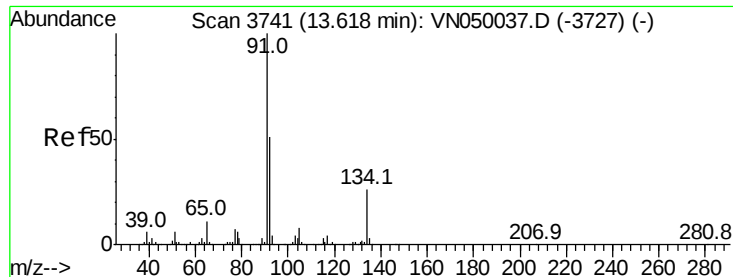
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	19.1	57.1
148	64.5	31.9	95.9



#84
 1,4-Dichlorobenzene
 Concen: 18.129 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VN050719.D
 Acq: 17 Aug 2018 10:01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.4	17.9	53.8
148	64.4	32.4	97.0

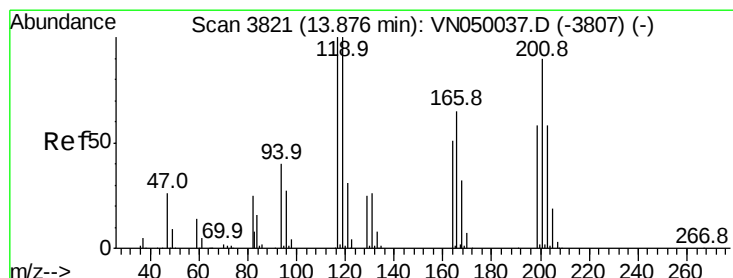
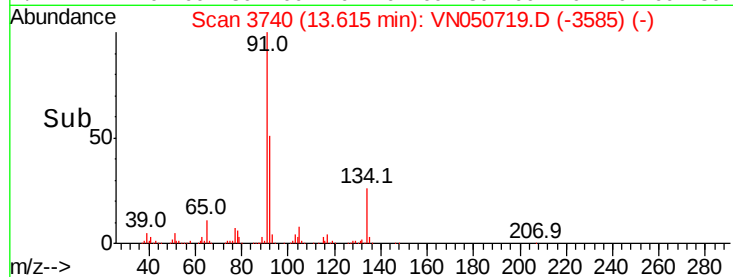
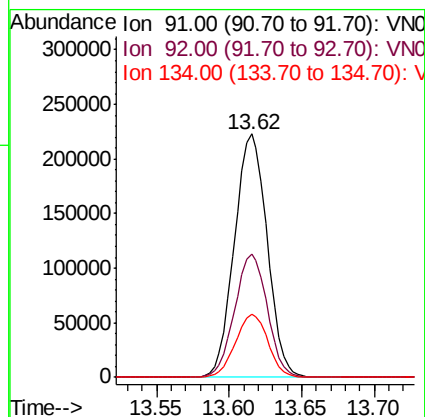
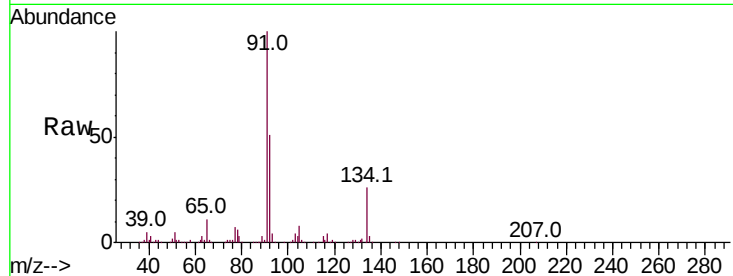




#85
n-Butylbenzene
Concen: 16.891 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. -0.00 min
Lab File: VN050719.D
Acq: 17 Aug 2018 10:01

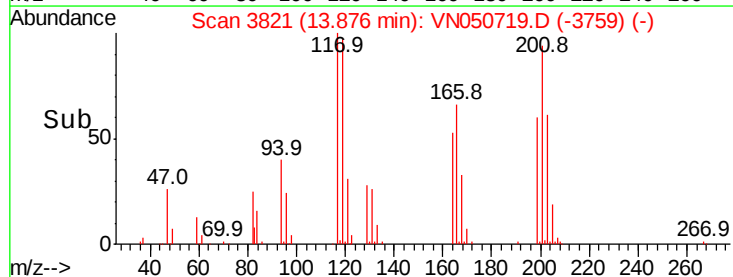
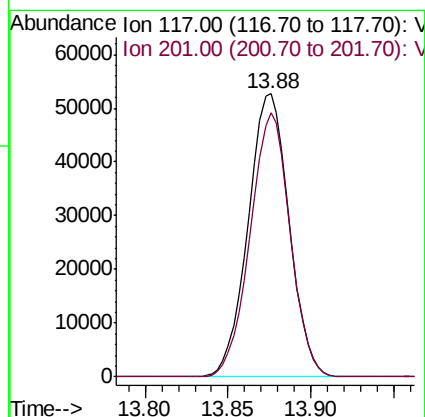
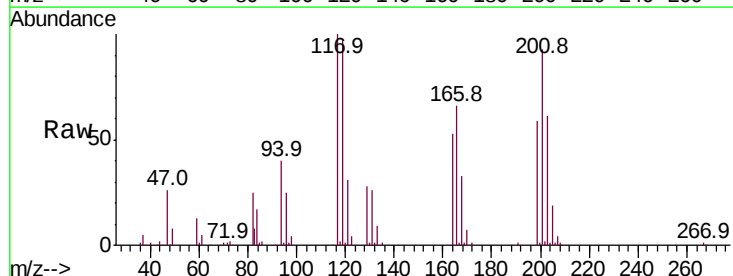
Instrument :
MSVOA_N
ClientSampleId :

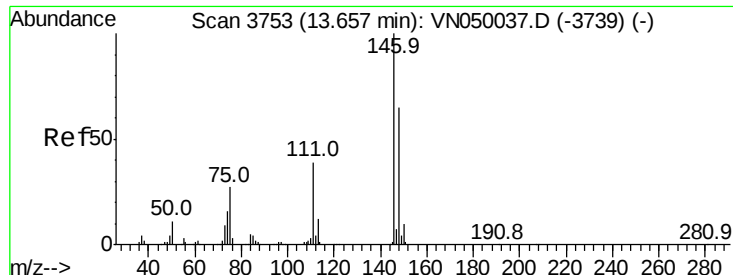
Tot Ion	Ratio	Lower	Upper
91	100		
92	50.3	0.0	102.8
134	25.6	0.0	51.0



#86
Hexachloroethane
Concen: 17.824 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN050719.D
Acq: 17 Aug 2018 10:01

Tgt Ion	Ratio	Lower	Upper
117	100		
201	90.6	46.6	139.7

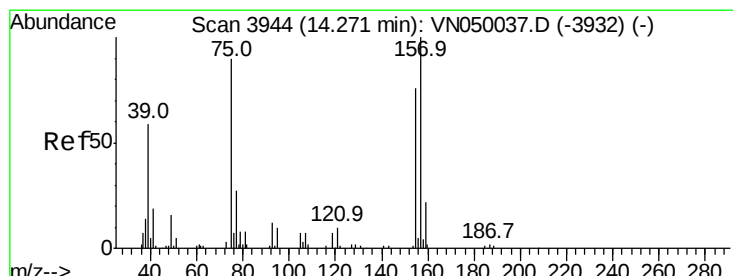
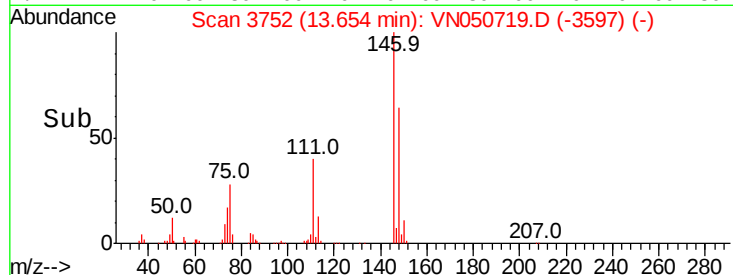
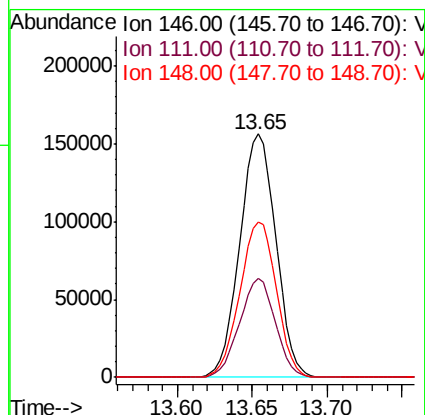
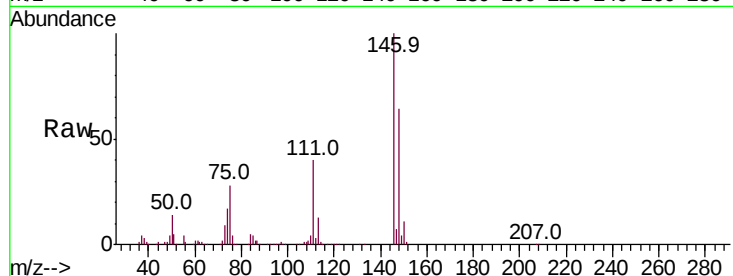




#87
 1,2-Dichlorobenzene
 Concen: 18.517 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. -0.00 min
 Lab File: VN050719.D
 Acq: 17 Aug 2018 10:01

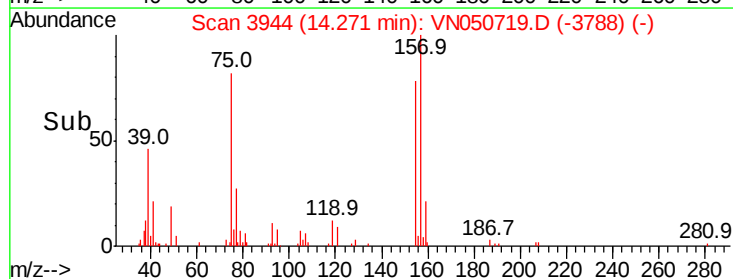
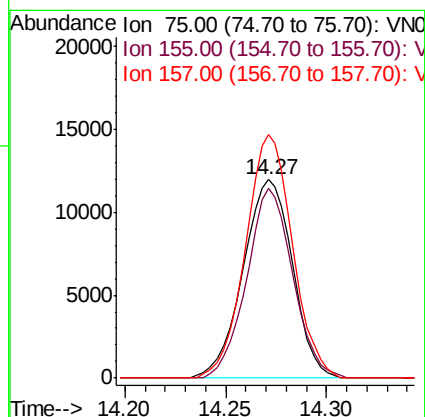
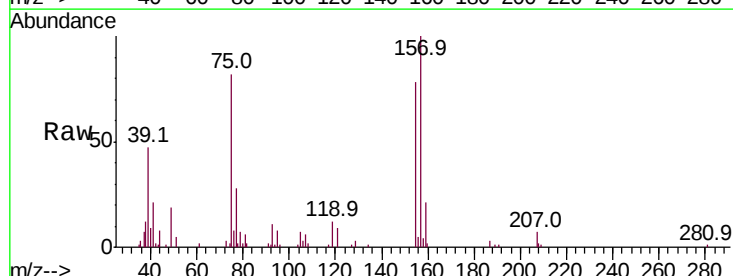
Instrument :
 MSVOA_N
 ClientSampleId :

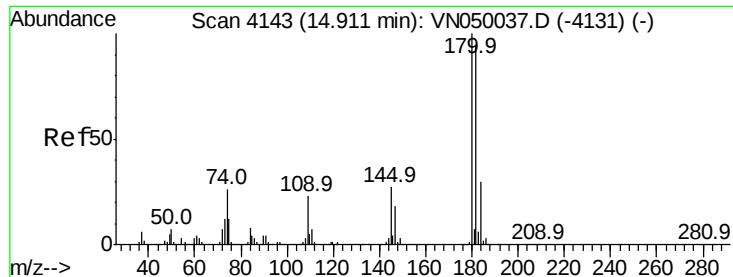
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.1	19.8	59.3
148	64.5	31.8	95.3



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 15.307 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN050719.D
 Acq: 17 Aug 2018 10:01

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.8	73.0	109.6
157	116.2	94.9	142.3

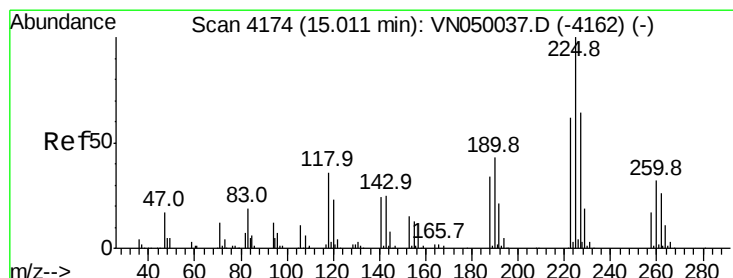
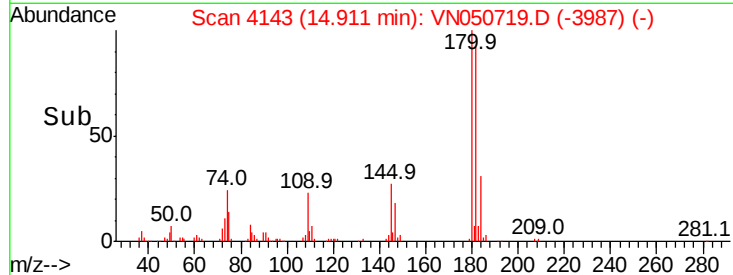
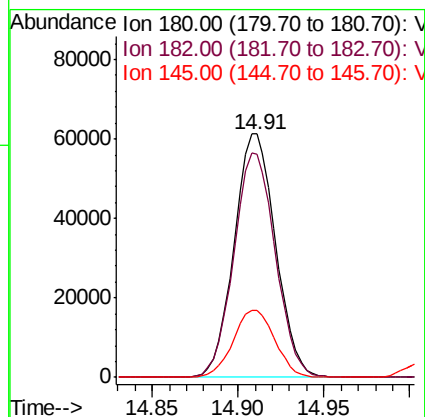
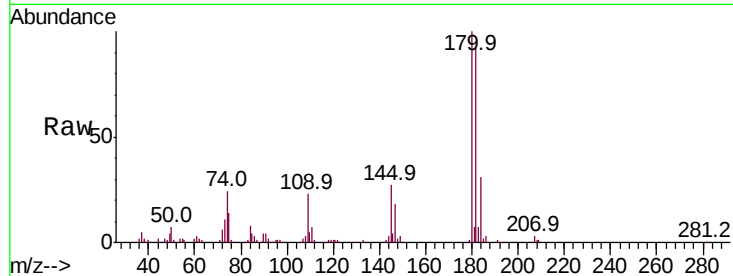




#89
 1,2,4-Trichlorobenzene
 Concen: 15.145 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050719.D
 Acq: 17 Aug 2018 10:01

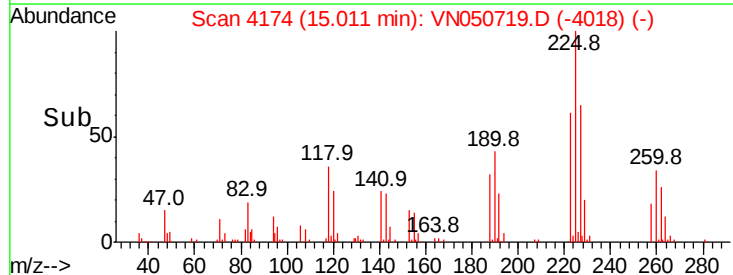
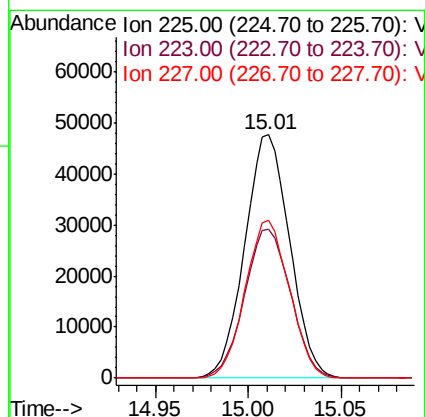
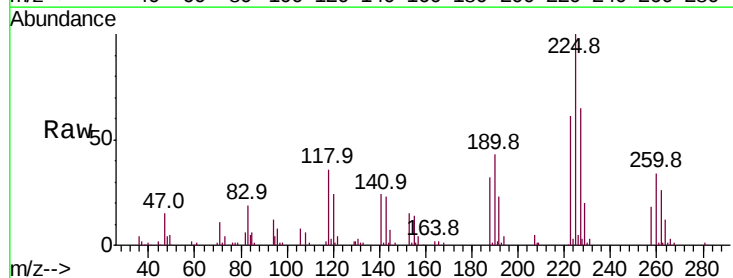
Instrument :
 MSVOA_N
 ClientSampleId :

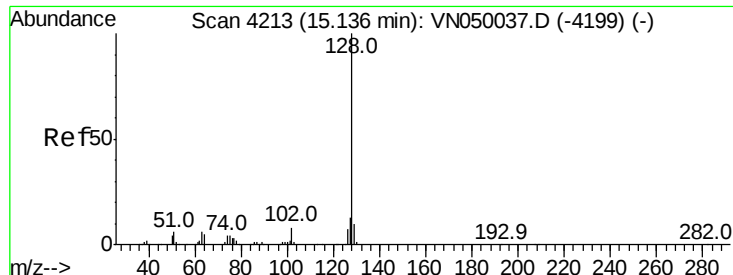
Tot Ion:180 Resp: 102872
 Ion Ratio Lower Upper
 180 100
 182 92.3 76.7 115.1
 145 27.9 23.4 35.0



#90
 Hexachlorobutadiene
 Concen: 17.968 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. 0.00 min
 Lab File: VN050719.D
 Acq: 17 Aug 2018 10:01

Tgt Ion:225 Resp: 80468
 Ion Ratio Lower Upper
 225 100
 223 62.6 0.0 124.4
 227 63.4 0.0 133.0





#91

Naphthalene

Concen: 16.449 ug/l

RT: 15.13 min Scan# 4212

Delta R.T. -0.00 min

Lab File: VN050719.D

Acq: 17 Aug 2018 10:01

Instrument :

MSVOA_N

ClientSampled :

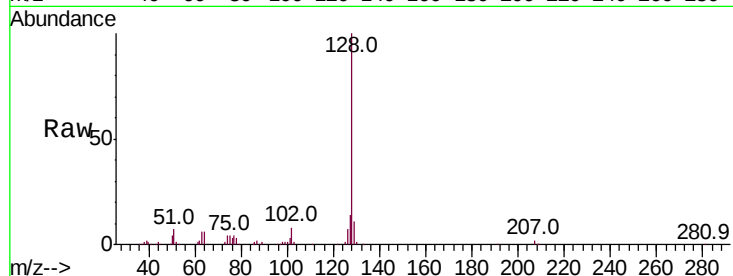
Tot Ion:128 Resp: 187544

Ion Ratio Lower Upper

128 100

127 13.4 10.2 15.4

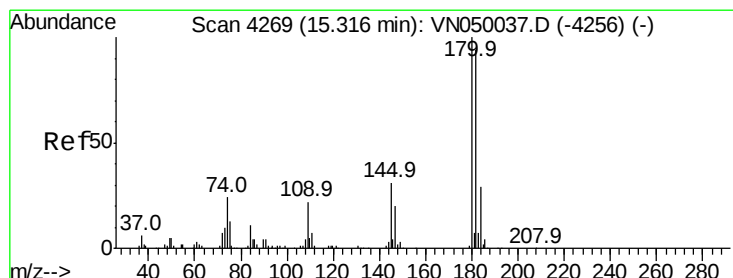
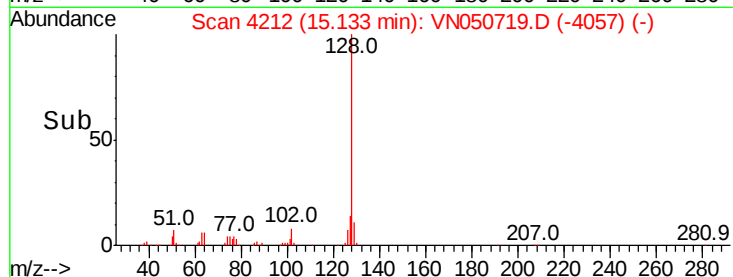
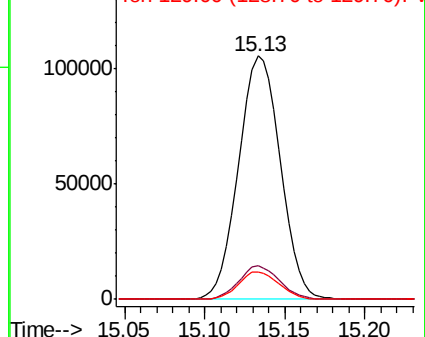
129 10.9 9.0 13.4



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: 14.986 ug/l

RT: 15.31 min Scan# 4268

Delta R.T. -0.00 min

Lab File: VN050719.D

Acq: 17 Aug 2018 10:01

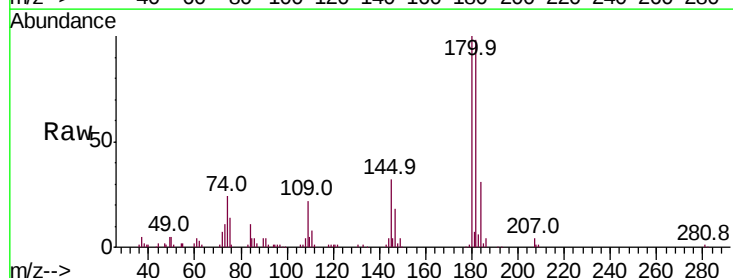
Tgt Ion:180 Resp: 103521

Ion Ratio Lower Upper

180 100

182 96.3 0.0 188.8

145 30.6 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

