

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090718\
 Data File : VN051050.D
 Acq On : 7 Sep 2018 13:47
 Operator : MD\SY
 Sample : VN0907MBS01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0907MBS01

Quant Time: Sep 07 23:11:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N082118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 05:38:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	559469	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	800208	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	729976	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	365878	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	325910	48.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.78%	
35) Dibromofluoromethane	7.59	113	306941	48.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.42%	
50) Toluene-d8	10.09	98	1143956	48.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.12%	
62) 4-Bromofluorobenzene	12.40	95	372072	47.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.08%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	166312	22.21	ug/l	100
3) Chloromethane	2.06	50	177961	19.27	ug/l	99
4) Vinyl Chloride	2.18	62	175275	20.04	ug/l	100
5) Bromomethane	2.56	94	92234	17.86	ug/l	100
6) Chloroethane	2.70	64	100371	19.86	ug/l	100
7) Trichlorofluoromethane	3.01	101	223310	19.94	ug/l	97
8) Diethyl Ether	3.41	74	77387	20.32	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	142451	20.35	ug/l	99
10) Methyl Iodide	3.95	142	94726	19.81	ug/l	99
11) Tert butyl alcohol	4.80	59	50644	118.08	ug/l #	87
12) 1,1-Dichloroethene	3.73	96	124332	19.79	ug/l	94
13) Acrolein	3.61	56	21407	97.26	ug/l	98
14) Allyl chloride	4.32	41	189723	19.38	ug/l	98
15) Acrylonitrile	5.00	53	234797	107.72	ug/l	99
16) Acetone	3.82	43	181097	109.58	ug/l	97
17) Carbon Disulfide	4.05	76	385699	18.31	ug/l	99
18) Methyl Acetate	4.33	43	138055	21.71	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	333603	21.11	ug/l	100
20) Methylene Chloride	4.55	84	146531	19.30	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	130897	19.26	ug/l	99
22) Diisopropyl ether	5.95	45	400792	20.54	ug/l	96
23) Vinyl Acetate	5.90	43	1267391	100.86	ug/l	100
24) 1,1-Dichloroethane	5.85	63	246189	19.65	ug/l	99
25) 2-Butanone	6.84	43	266772	98.29	ug/l	98
26) 2,2-Dichloropropane	6.83	77	192762	19.15	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	146654	20.02	ug/l	98
28) Bromochloromethane	7.20	49	97218	18.26	ug/l	95
29) Tetrahydrofuran	7.21	42	176518	113.43	ug/l	98
30) Chloroform	7.37	83	245263	19.77	ug/l	99
31) Cyclohexane	7.65	56	215660	19.23	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	209016	19.62	ug/l	99
36) 1,1-Dichloropropene	7.80	75	181670	19.24	ug/l	98
37) Ethyl Acetate	6.93	43	115062	21.21	ug/l	99
38) Carbon Tetrachloride	7.77	117	186042	19.49	ug/l	97

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Instrument :
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N082118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 05:38:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	195410	19.13	ug/l	98
40) Benzene	8.04	78	569694	20.01	ug/l	99
41) Methacrylonitrile	7.18	41	60824	20.72	ug/l	97
42) 1,2-Dichloroethane	8.13	62	169689	19.93	ug/l	99
43) Isopropyl Acetate	8.17	43	196465	21.07	ug/l	99
44) Trichloroethene	8.84	130	149645	19.93	ug/l	100
45) 1,2-Dichloropropane	9.12	63	147979	19.77	ug/l	99
46) Dibromomethane	9.21	93	89161	20.28	ug/l	98
47) Bromodichloromethane	9.40	83	181494	19.71	ug/l	99
48) Methyl methacrylate	9.20	41	96477	20.30	ug/l	98
49) 1,4-Dioxane	9.20	88	31429	485.05	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	577857	103.83	ug/l	98
52) Toluene	10.16	92	348266	20.65	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	180201	19.66	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	210329	20.04	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	127317	20.34	ug/l	99
56) Ethyl methacrylate	10.43	69	148133	19.68	ug/l	99
57) 1,3-Dichloropropane	10.71	76	211135	20.43	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	289724	89.76	ug/l	99
59) 2-Hexanone	10.75	43	382587	103.26	ug/l	99
60) Dibromochloromethane	10.90	129	141560	20.19	ug/l	100
61) 1,2-Dibromoethane	11.01	107	124953	20.64	ug/l	97
64) Tetrachloroethene	10.63	164	136952	19.75	ug/l	97
65) Chlorobenzene	11.43	112	373336	19.57	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	140516	20.13	ug/l	99
67) Ethyl Benzene	11.51	91	606982	19.57	ug/l	99
68) m/p-Xylenes	11.62	106	485922	41.27	ug/l	99
69) o-Xylene	11.95	106	232154	20.51	ug/l	98
70) Styrene	11.96	104	361605	18.94	ug/l	99
71) Bromoform	12.13	173	100459	20.93	ug/l #	100
73) Isopropylbenzene	12.25	105	607026	20.04	ug/l	100
74) N-amyl acetate	12.07	43	156927	20.61	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	166511	22.14	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	189401	29.56	ug/l #	100
77) Bromobenzene	12.53	156	158348	19.23	ug/l	99
78) n-propylbenzene	12.59	91	670132	19.80	ug/l	99
79) 2-Chlorotoluene	12.67	91	415028	19.69	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	501102	20.50	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	38336	20.22	ug/l	96
82) 4-Chlorotoluene	12.77	91	408553	19.63	ug/l	100
83) tert-Butylbenzene	12.99	119	422614	19.96	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	506134	20.58	ug/l	99
85) sec-Butylbenzene	13.17	105	559617	20.17	ug/l	100
86) p-Isopropyltoluene	13.29	119	481875	20.39	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	268912	19.25	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	259544	18.87	ug/l	99
89) n-Butylbenzene	13.62	91	347104	18.36	ug/l	99
90) Hexachloroethane	13.88	117	92005	20.53	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	263529	19.55	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	22370	20.56	ug/l	99

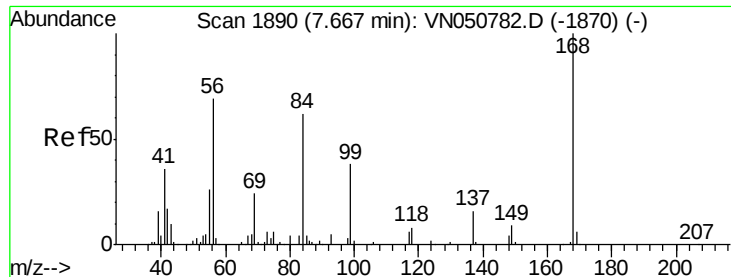
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN090718\
Data File : VN051050.D
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Operator : MD\SY
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Quant Title : SW846 8260
QLast Update : Wed Aug 22 05:38:12 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	98281	16.95	ug/l	99
94) Hexachlorobutadiene	15.01	225	83978	20.35	ug/l	99
95) Naphthalene	15.13	128	185607	16.73	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	103517	18.01	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN051050.D

Acq: 7 Sep 2018 13:47

Instrument :

MSVOA_N

ClientSampleId :

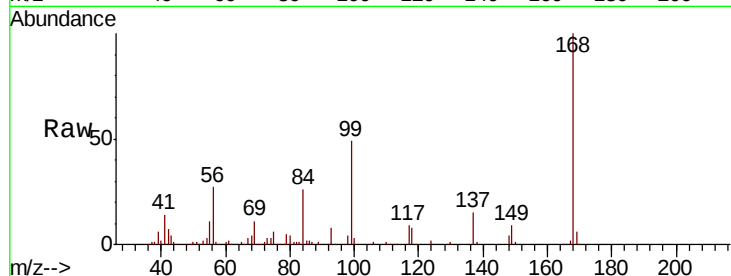
VN0907MBS01

Tot Ion:168 Resp: 559469

Ion Ratio Lower Upper

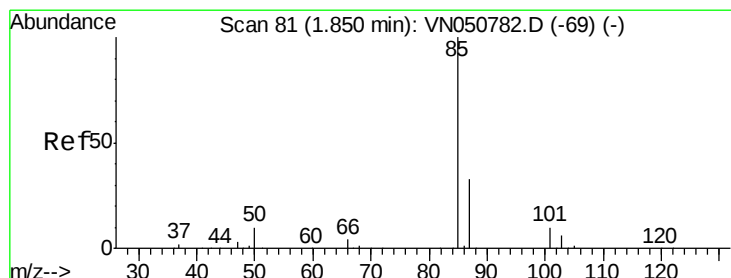
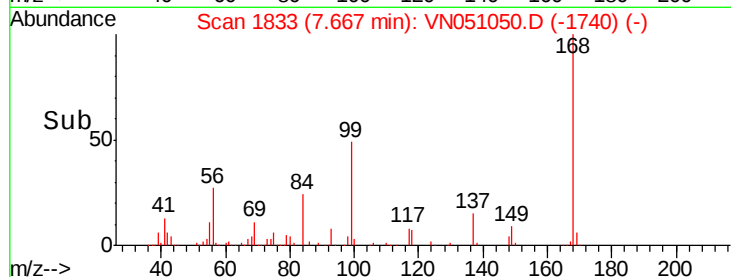
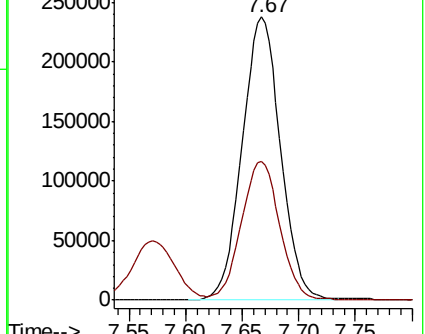
168 100

99 48.9 39.6 59.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#2

Dichlorodifluoromethane

Concen: 22.21 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN051050.D

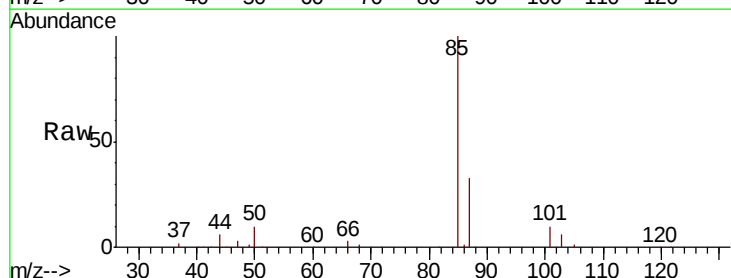
Acq: 7 Sep 2018 13:47

Tgt Ion: 85 Resp: 166312

Ion Ratio Lower Upper

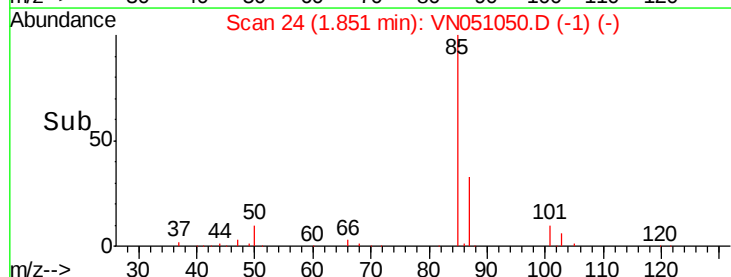
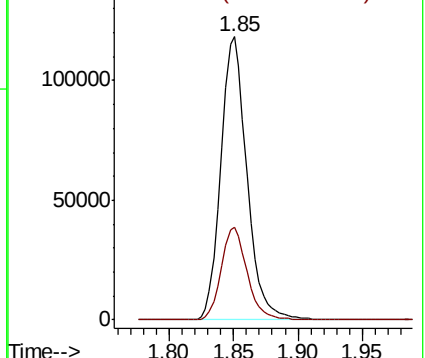
85 100

87 32.9 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0





#3

Chloromethane

Concen: 19.27 ug/l

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN051050.D

Acq: 7 Sep 2018 13:47

Instrument :

MSVOA_N

ClientSampled :

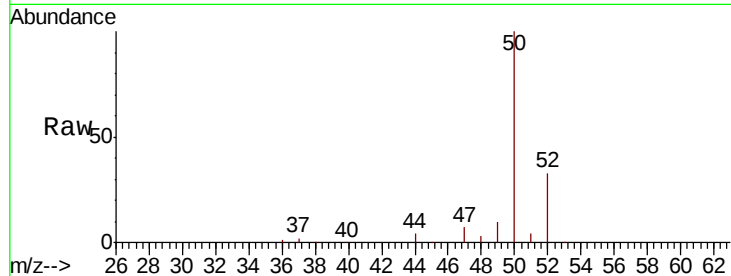
VN0907MBS01

Tot Ion: 50 Resp: 177961

Ion Ratio Lower Upper

50 100

52 32.6 26.3 39.5



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.06

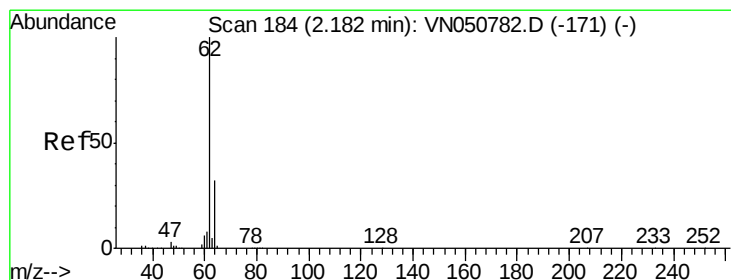
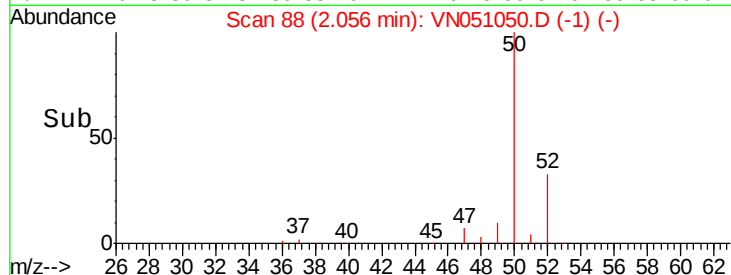
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 20.04 ug/l

RT: 2.18 min Scan# 127

Delta R.T. 0.00 min

Lab File: VN051050.D

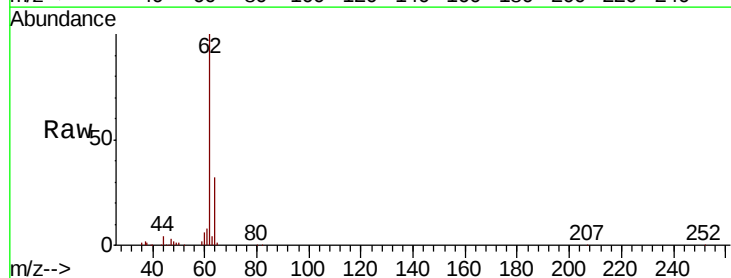
Acq: 7 Sep 2018 13:47

Tgt Ion: 62 Resp: 175275

Ion Ratio Lower Upper

62 100

64 31.6 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

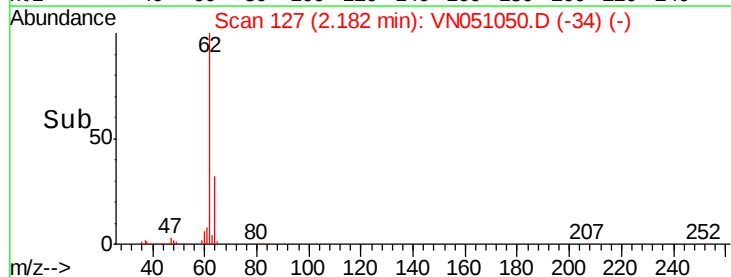
2.18

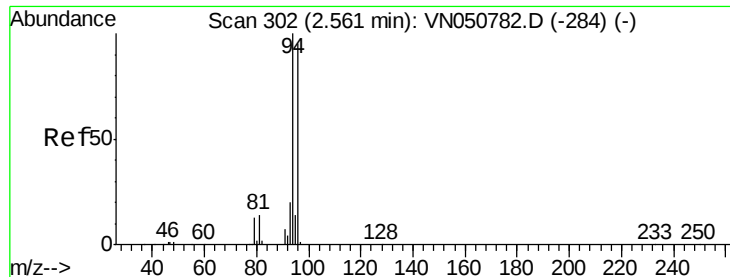
100000

50000

0

Time-->





#5

Bromomethane

Concen: 17.86 ug/l

RT: 2.56 min Scan# 244

Delta R.T. -0.00 min

Lab File: VN051050.D

Acq: 7 Sep 2018 13:47

Instrument :

MSVOA_N

ClientSampleId :

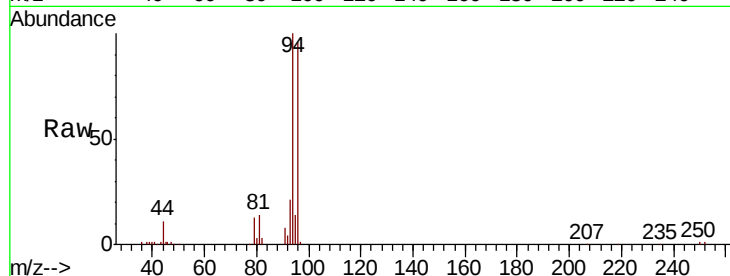
VN0907MBS01

Tot Ion: 94 Resp: 92234

Ion Ratio Lower Upper

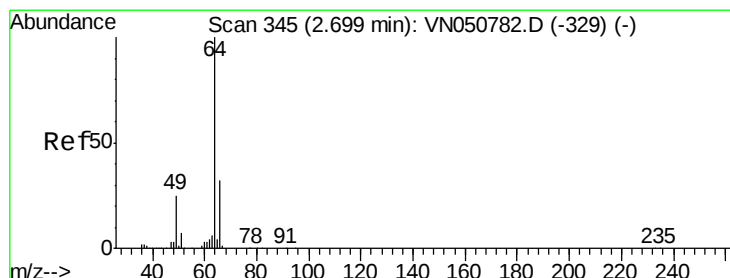
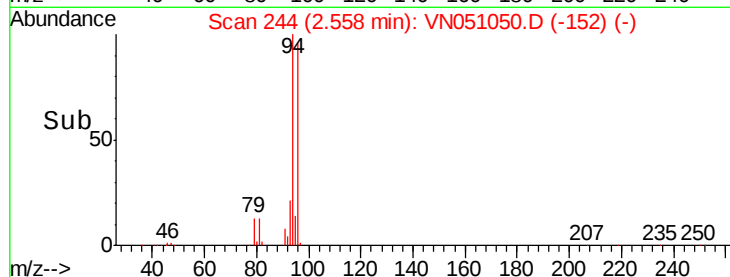
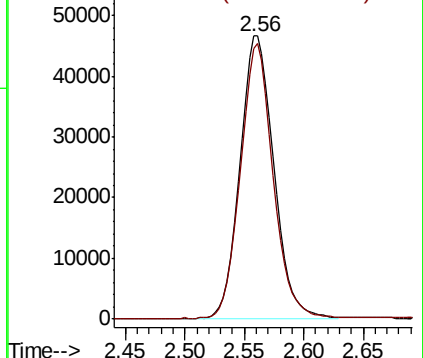
94 100

96 95.3 76.2 114.2



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 19.86 ug/l

RT: 2.70 min Scan# 287

Delta R.T. -0.00 min

Lab File: VN051050.D

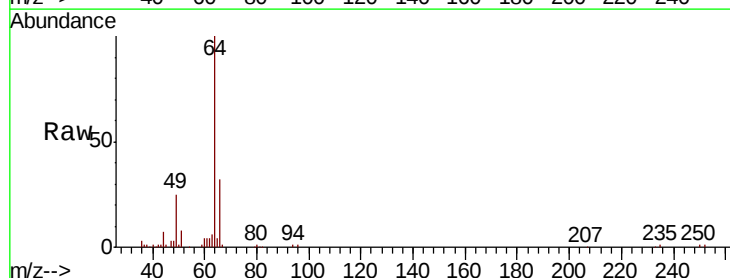
Acq: 7 Sep 2018 13:47

Tgt Ion: 64 Resp: 100371

Ion Ratio Lower Upper

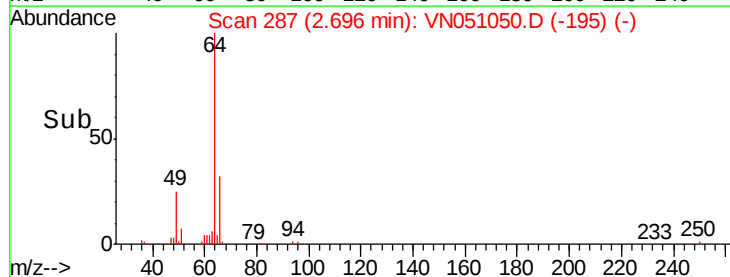
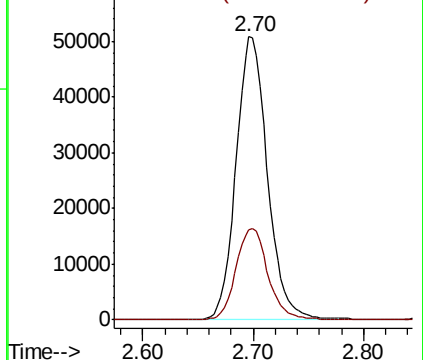
64 100

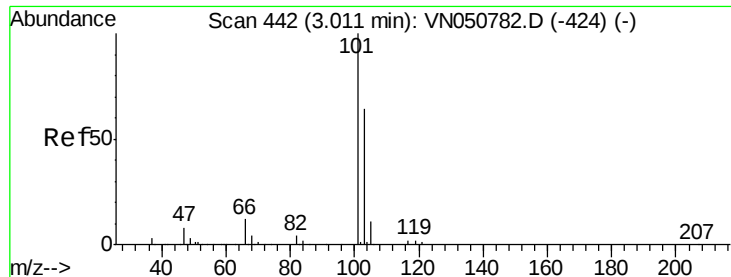
66 31.8 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



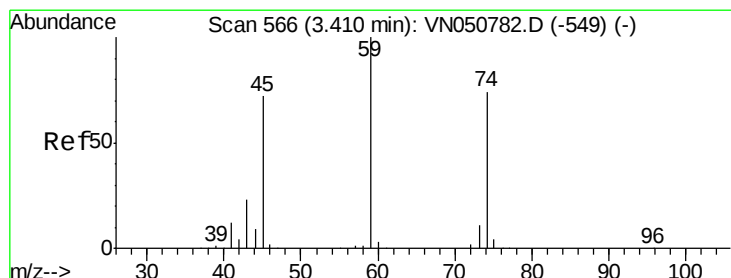
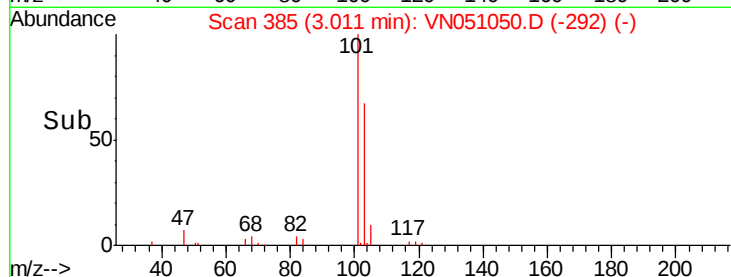
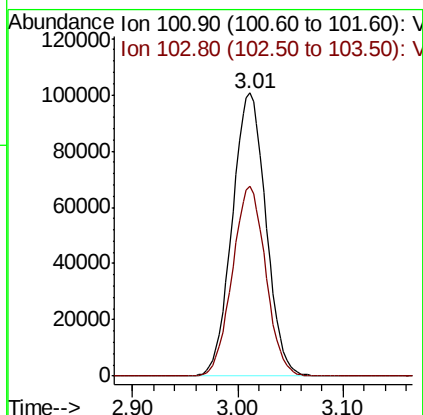
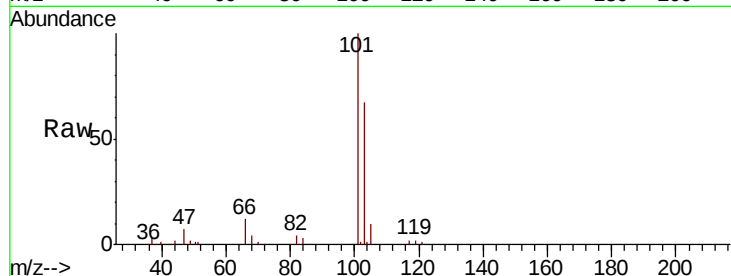


#7

Trichlorofluoromethane
 Concen: 19.94 ug/l
 RT: 3.01 min Scan# 385
 Delta R.T. 0.00 min
 Lab File: VN051050.D
 Acq: 7 Sep 2018 13:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0907MBS01

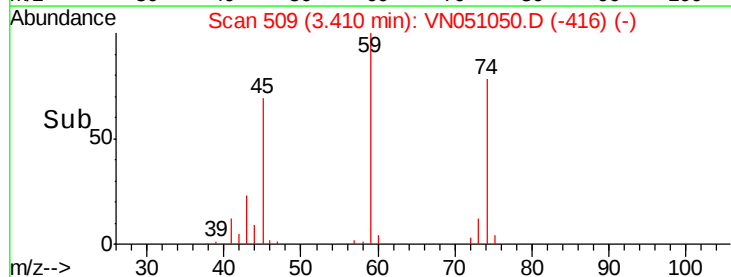
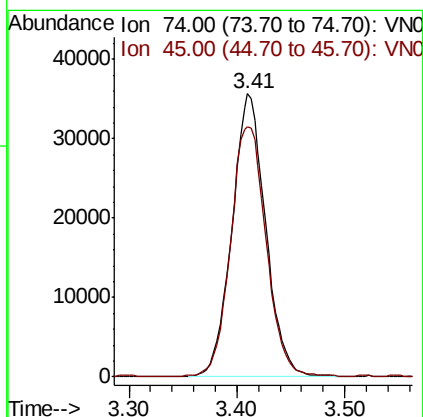
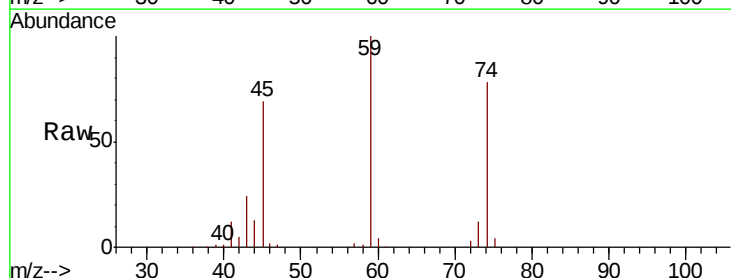
Tot Ion:101 Resp: 223310
 Ion Ratio Lower Upper
 101 100
 103 67.1 51.6 77.4



#8

Diethyl Ether
 Concen: 20.32 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. 0.00 min
 Lab File: VN051050.D
 Acq: 7 Sep 2018 13:47

Tgt Ion: 74 Resp: 77387
 Ion Ratio Lower Upper
 74 100
 45 94.0 48.2 144.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.35 ug/l

RT: 3.75 min Scan# 616

Delta R.T. -0.00 min

Lab File: VN051050.D

Acq: 7 Sep 2018 13:47

Instrument :

MSVOA_N

ClientSampleId :

VN0907MBS01

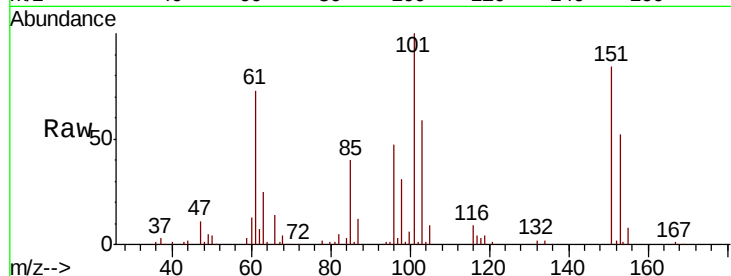
Tot Ion:101 Resp: 142451

Ion Ratio Lower Upper

101 100

85 40.6 33.7 50.5

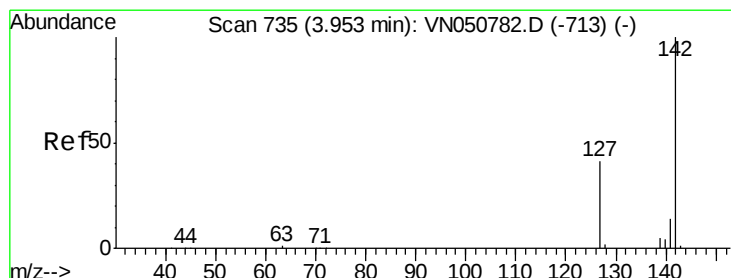
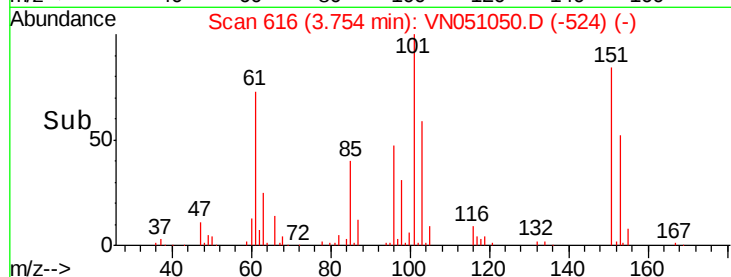
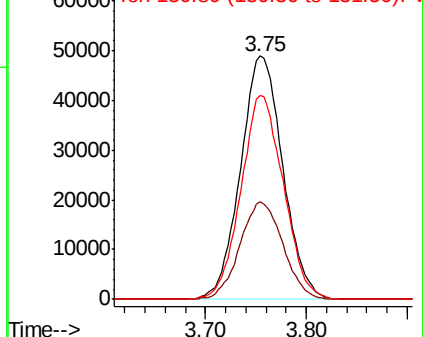
151 83.9 67.4 101.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.81 ug/l

RT: 3.95 min Scan# 677

Delta R.T. -0.00 min

Lab File: VN051050.D

Acq: 7 Sep 2018 13:47

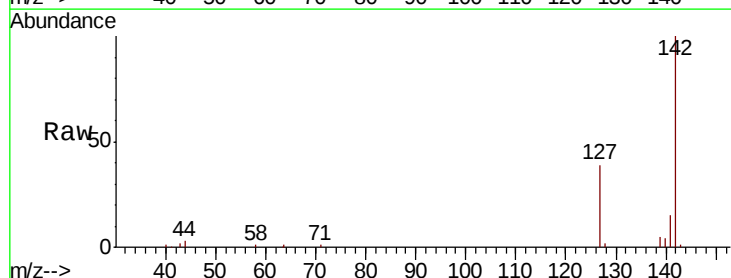
Tgt Ion:142 Resp: 94726

Ion Ratio Lower Upper

142 100

127 39.4 31.7 47.5

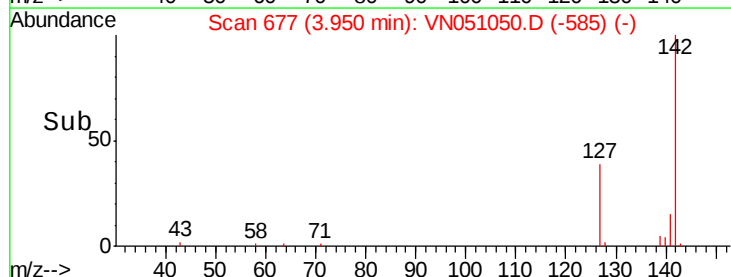
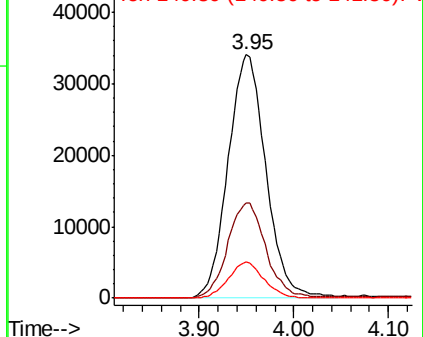
141 13.8 11.4 17.0

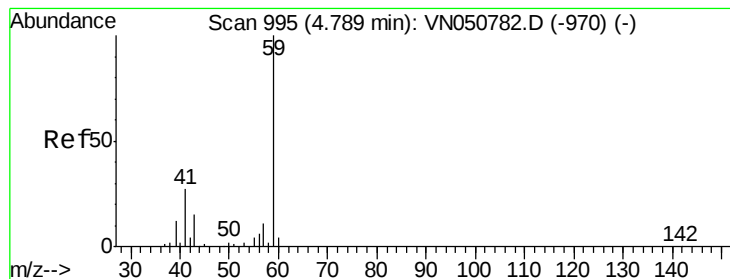


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



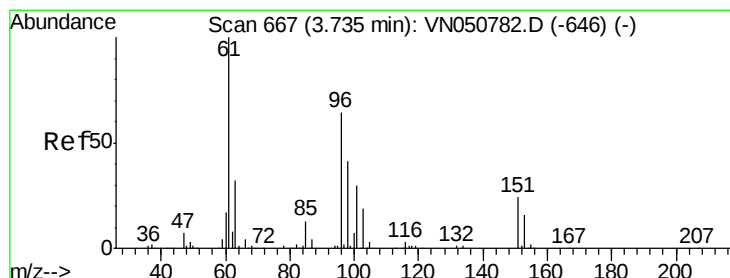
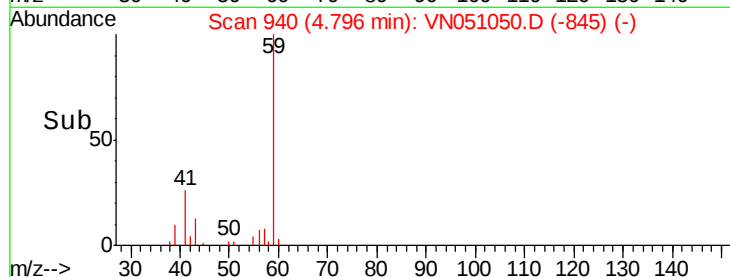
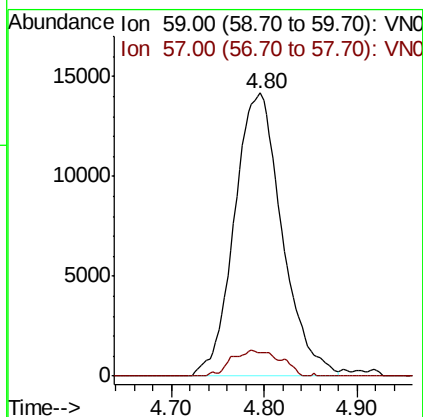
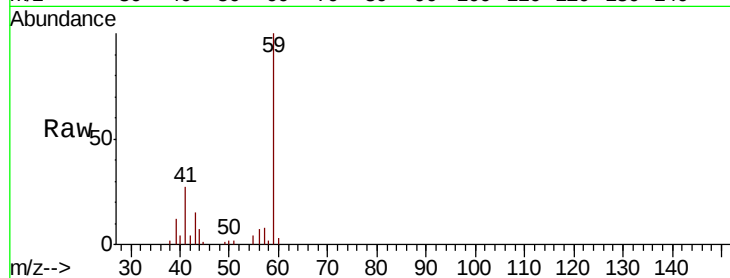


#11

Tert butyl alcohol
 Concen: 118.08 ug/l
 RT: 4.80 min Scan# 940
 Delta R.T. 0.01 min
 Lab File: VN051050.D
 Acq: 7 Sep 2018 13:47

Instrument :
 MSVOA_N
 ClientSampled :
 VN0907MBS01

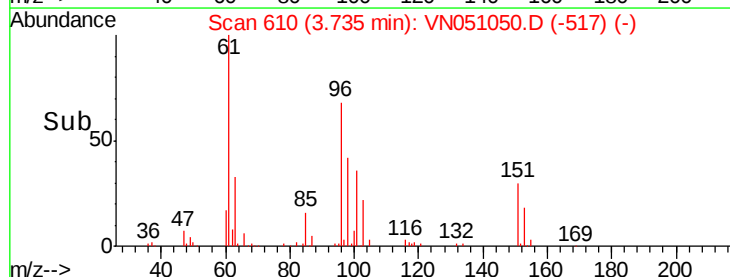
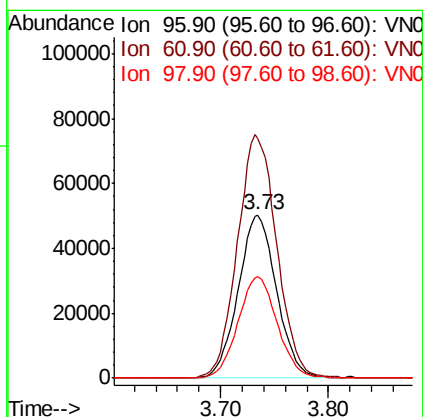
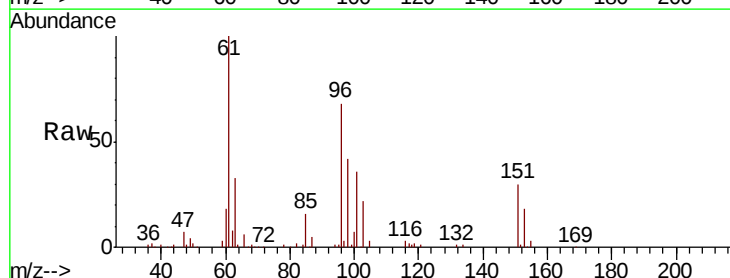
Tot Ion: 59 Resp: 50644
 Ion Ratio Lower Upper
 59 100
 57 5.5 8.3 12.5#



#12

1,1-Dichloroethene
 Concen: 19.79 ug/l
 RT: 3.73 min Scan# 610
 Delta R.T. 0.00 min
 Lab File: VN051050.D
 Acq: 7 Sep 2018 13:47

Tgt Ion: 96 Resp: 124332
 Ion Ratio Lower Upper
 96 100
 61 146.8 124.9 187.3
 98 62.3 51.1 76.7





#13

Acrolein

Concen: 97.26 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN051050.D

Acq: 7 Sep 2018 13:47

Instrument :

MSVOA_N

ClientSampleId :

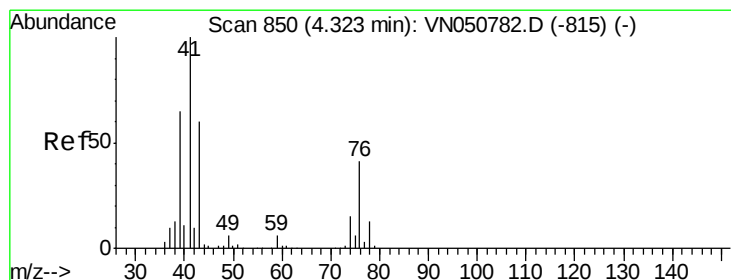
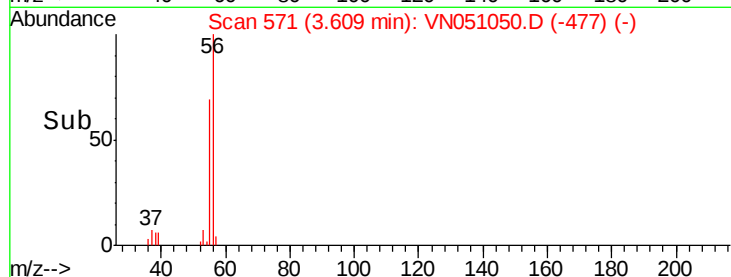
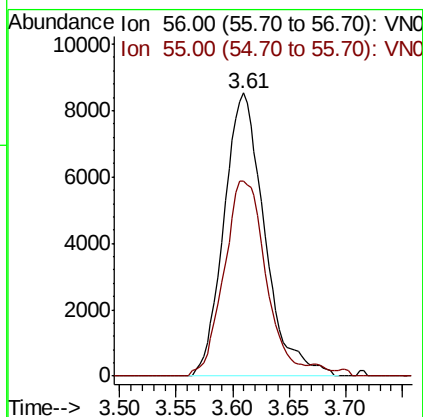
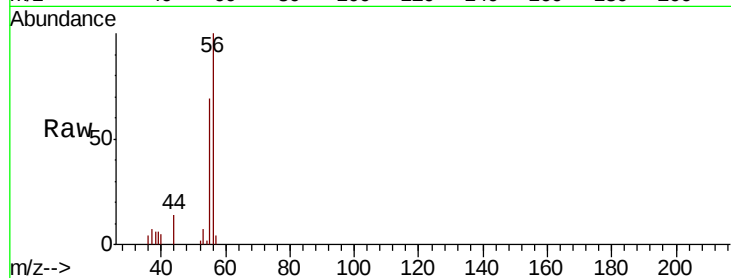
VN0907MBS01

Tot Ion: 56 Resp: 21407

Ion Ratio Lower Upper

56 100

55 70.6 57.7 86.5



#14

Allyl chloride

Concen: 19.38 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.00 min

Lab File: VN051050.D

Acq: 7 Sep 2018 13:47

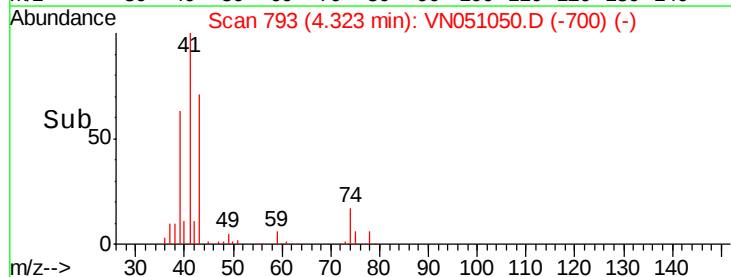
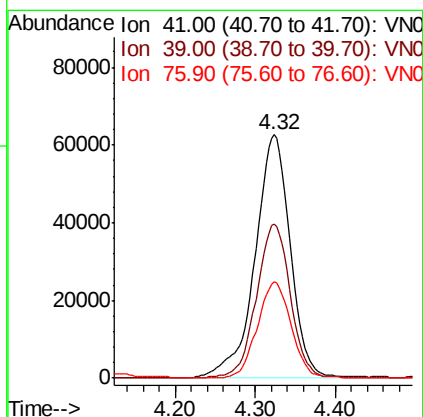
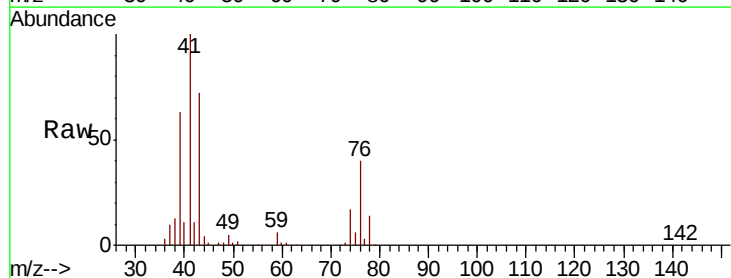
Tgt Ion: 41 Resp: 189723

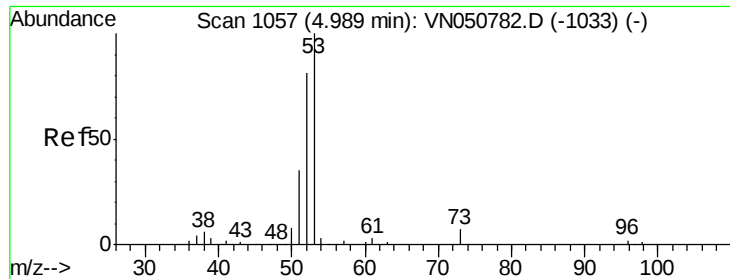
Ion Ratio Lower Upper

41 100

39 61.2 50.2 75.2

76 36.8 29.8 44.8

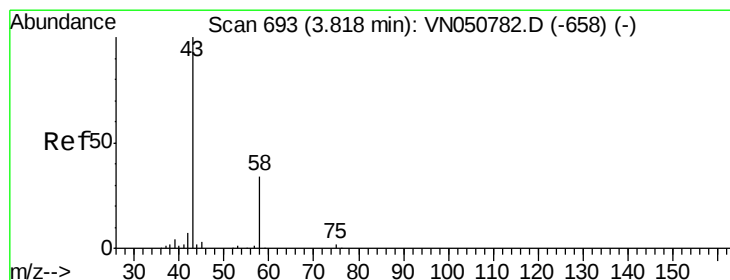
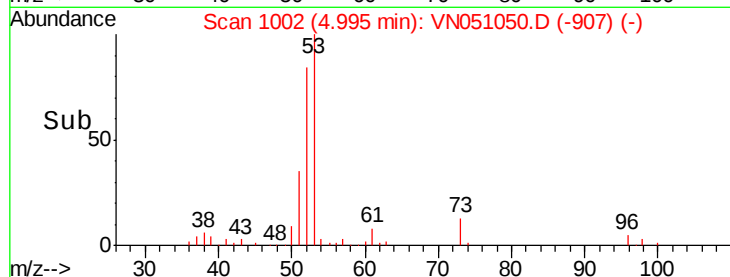
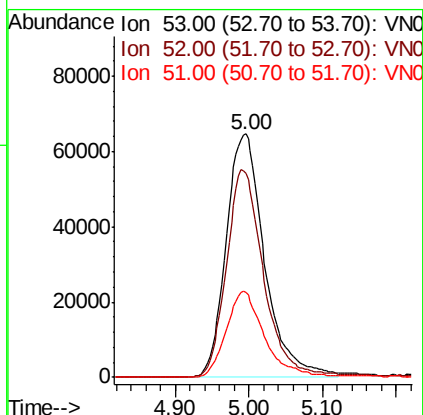
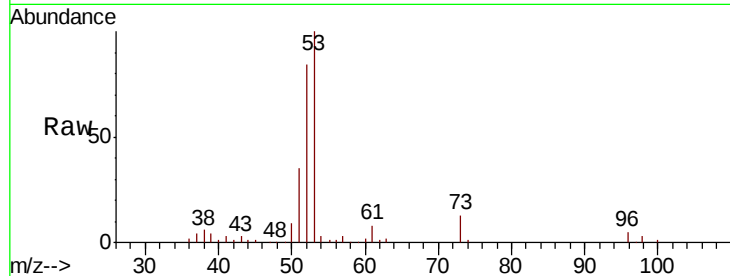




#15
 Acrylonitrile
 Concen: 107.72 ug/l
 RT: 5.00 min Scan# 1002
 Delta R.T. 0.01 min
 Lab File: VN051050.D
 Acq: 7 Sep 2018 13:47

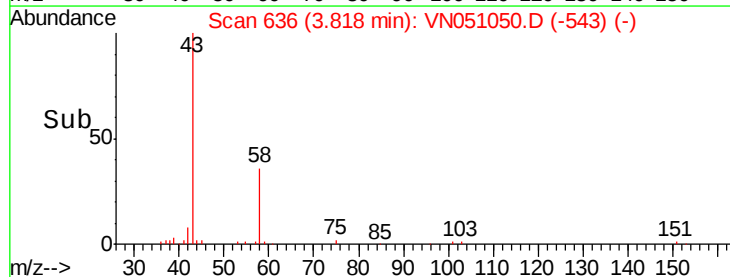
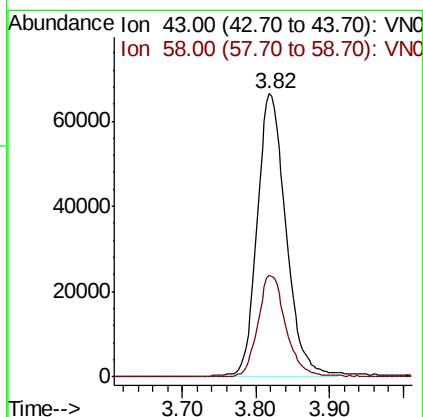
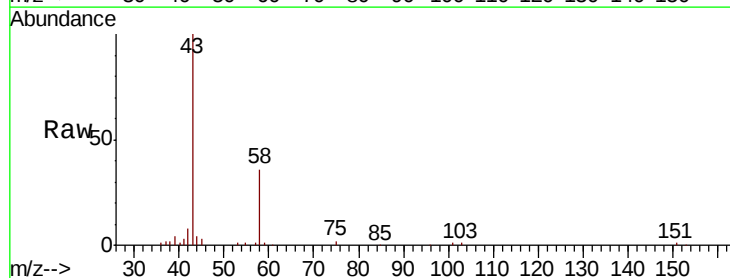
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0907MBS01

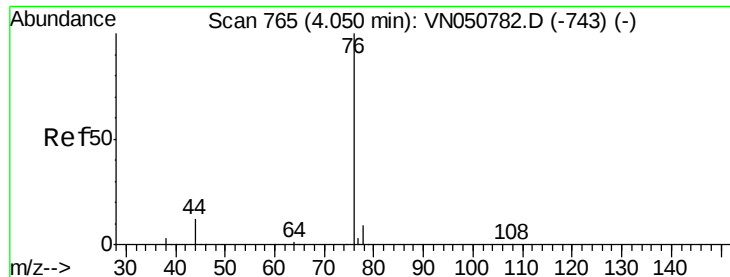
Tot Ion: 53 Resp: 234797
 Ion Ratio Lower Upper
 53 100
 52 82.8 65.9 98.9
 51 34.8 28.6 43.0



#16
 Acetone
 Concen: 109.58 ug/l
 RT: 3.82 min Scan# 636
 Delta R.T. 0.00 min
 Lab File: VN051050.D
 Acq: 7 Sep 2018 13:47

Tgt Ion: 43 Resp: 181097
 Ion Ratio Lower Upper
 43 100
 58 35.8 27.2 40.8

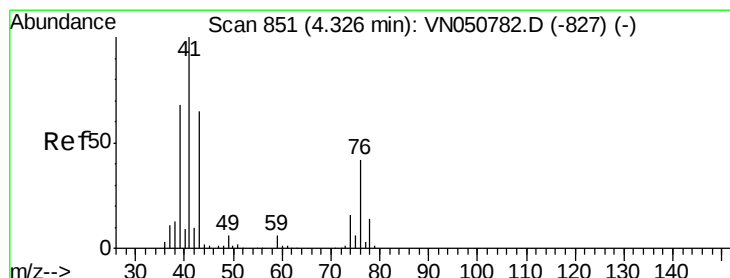
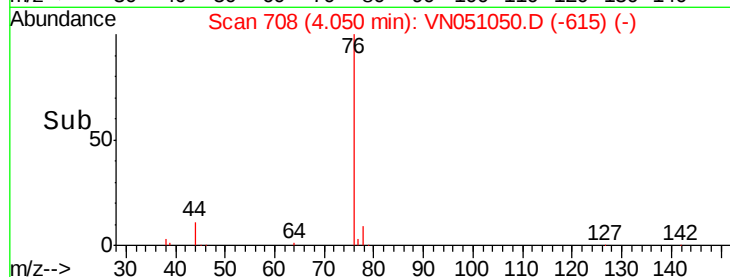
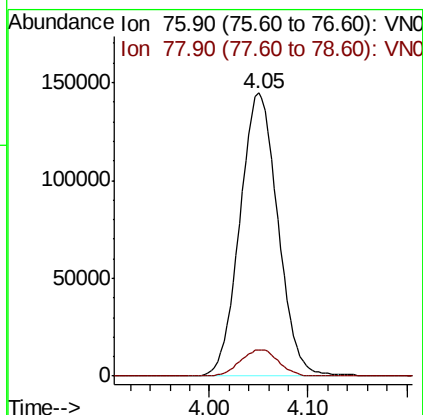
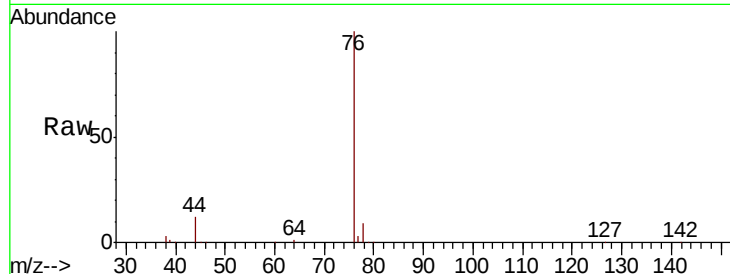




#17
Carbon Disulfide
Concen: 18.31 ug/l
RT: 4.05 min Scan# 708
Delta R.T. 0.00 min
Lab File: VN051050.D
Acq: 7 Sep 2018 13:47

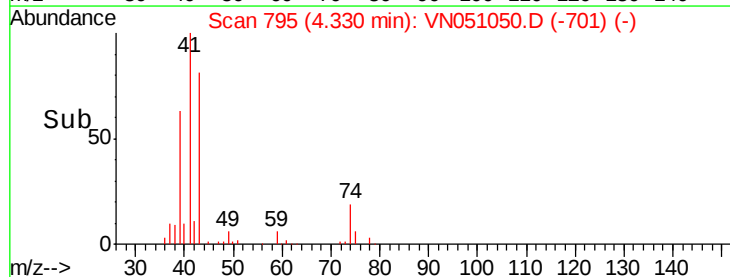
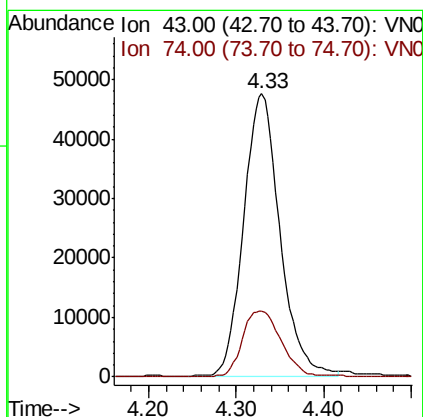
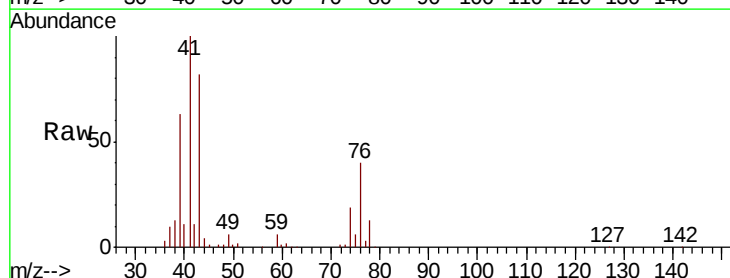
Instrument :
MSVOA_N
ClientSampleId :
VN0907MBS01

Tot Ion: 76 Resp: 385699
Ion Ratio Lower Upper
76 100
78 9.3 7.3 10.9



#18
Methyl Acetate
Concen: 21.71 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN051050.D
Acq: 7 Sep 2018 13:47

Tgt Ion: 43 Resp: 138055
Ion Ratio Lower Upper
43 100
74 24.8 19.8 29.8

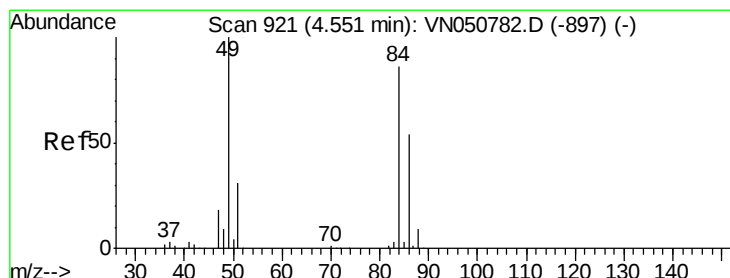
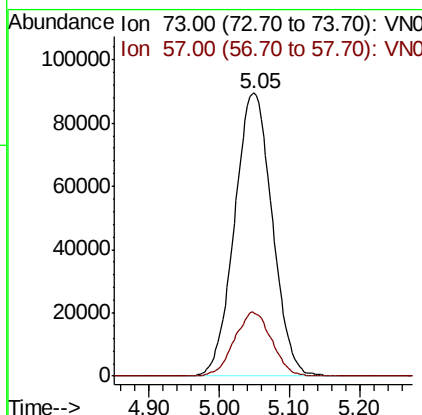
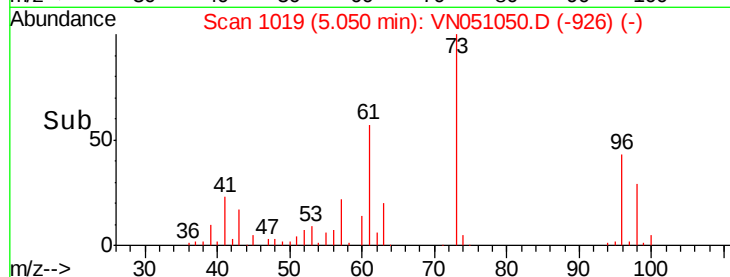
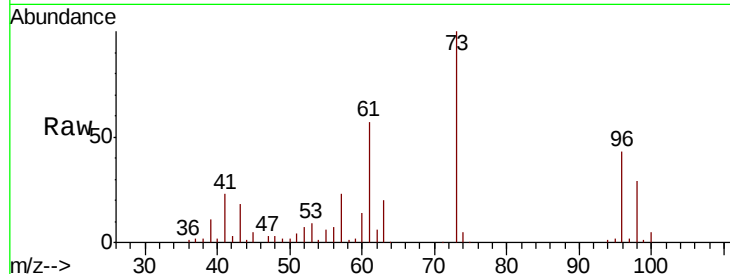




#19
Methyl tert-butyl Ether
Concen: 21.11 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN051050.D
Acq: 7 Sep 2018 13:47

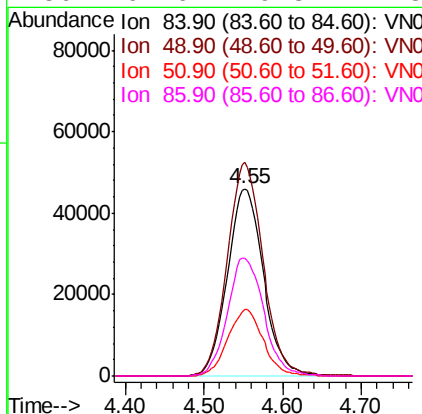
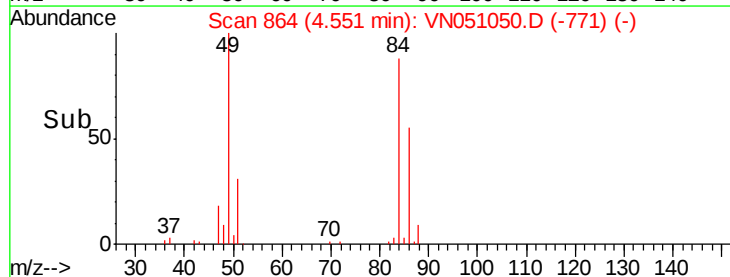
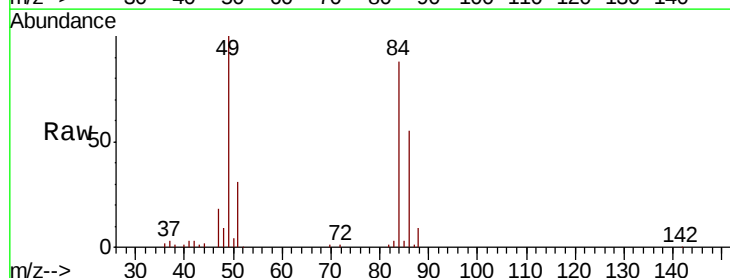
Instrument :
MSVOA_N
ClientSampled :
VN0907MBS01

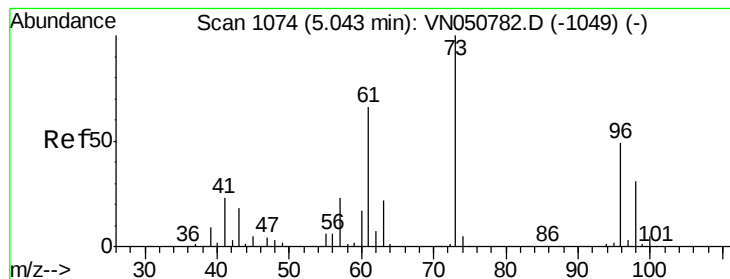
Tot Ion: 73 Resp: 333603
Ion Ratio Lower Upper
73 100
57 22.5 17.8 26.8



#20
Methylene Chloride
Concen: 19.30 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN051050.D
Acq: 7 Sep 2018 13:47

Tgt Ion: 84 Resp: 146531
Ion Ratio Lower Upper
84 100
49 113.9 93.2 139.8
51 35.2 29.0 43.6
86 62.6 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 19.26 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. 0.00 min

Lab File: VN051050.D

Acq: 7 Sep 2018 13:47

Instrument :

MSVOA_N

ClientSampleId :

VN0907MBS01

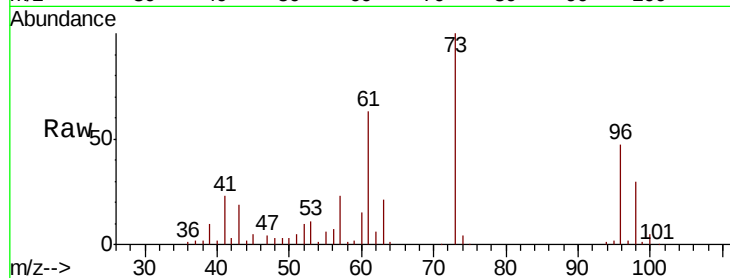
Tot Ion: 96 Resp: 130897

Ion Ratio Lower Upper

96 100

61 133.9 107.4 161.0

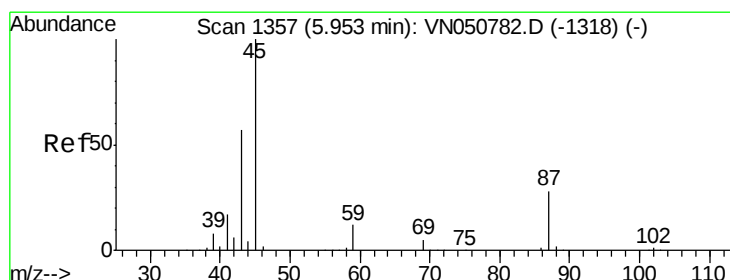
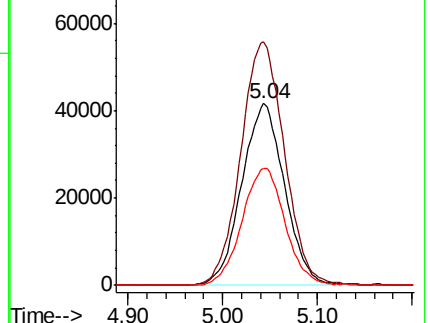
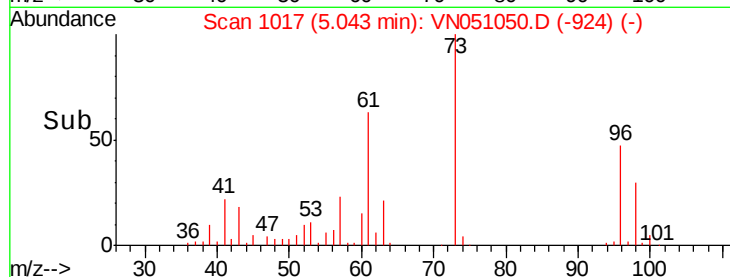
98 64.6 50.7 76.1



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 20.54 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN051050.D

Acq: 7 Sep 2018 13:47

Tgt Ion: 45 Resp: 400792

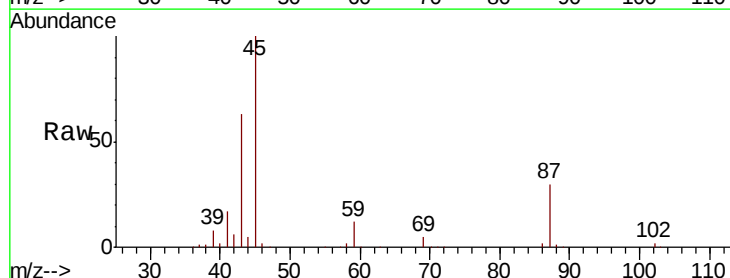
Ion Ratio Lower Upper

45 100

43 61.7 45.9 68.9

87 29.7 22.7 34.1

59 11.9 9.3 13.9

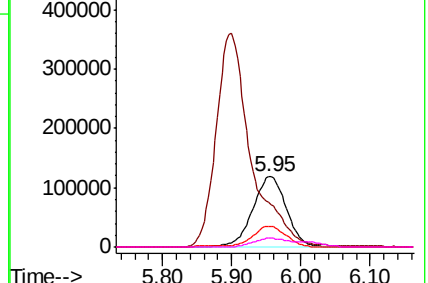
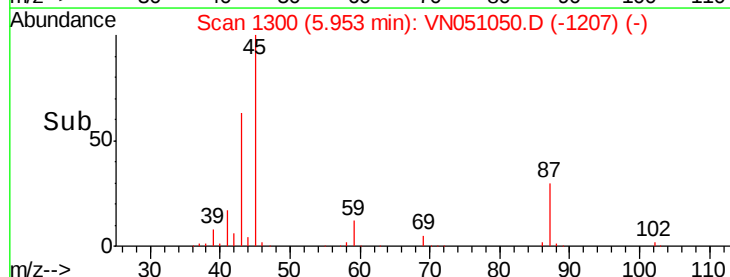


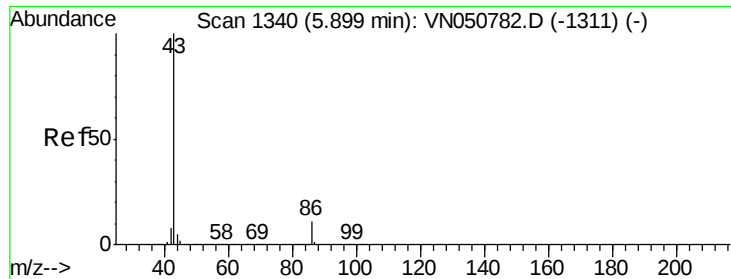
Abundance Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0

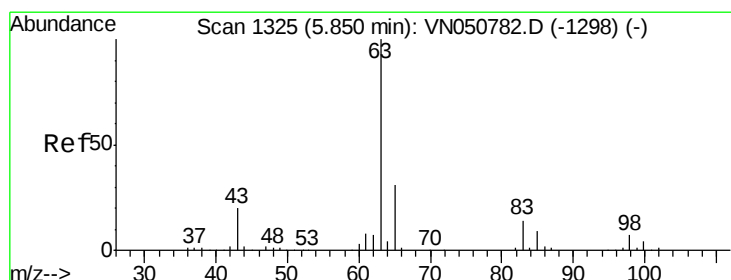
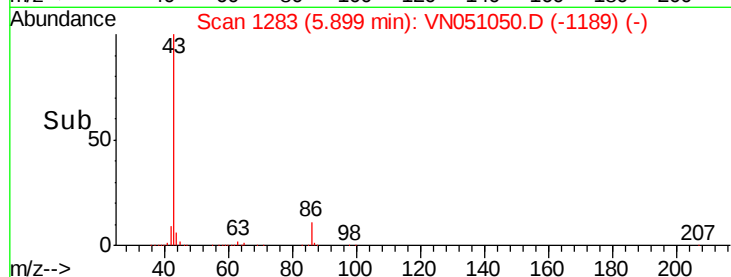
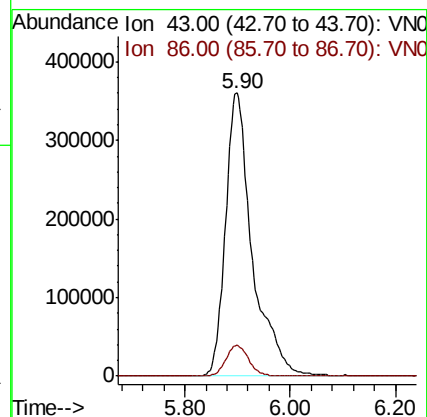
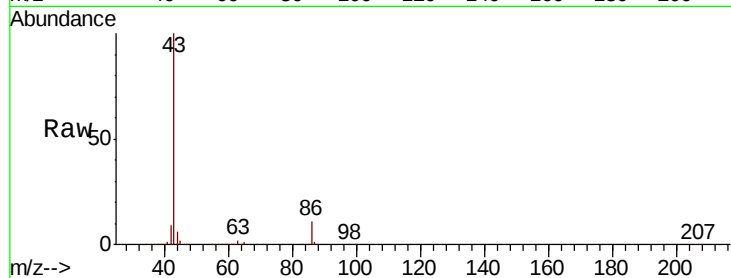




#23
 Vinyl Acetate
 Concen: 100.86 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VN051050.D
 Acq: 7 Sep 2018 13:47

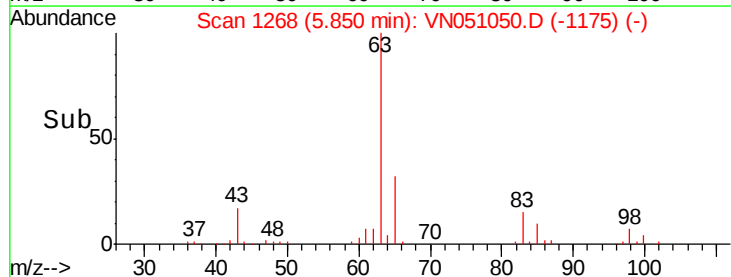
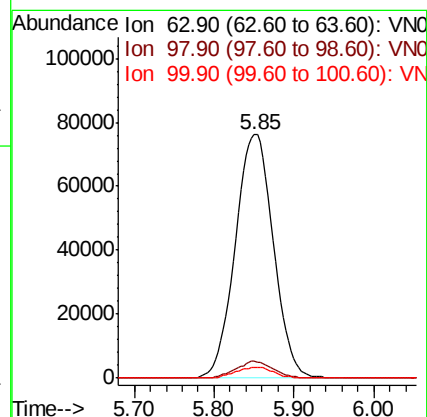
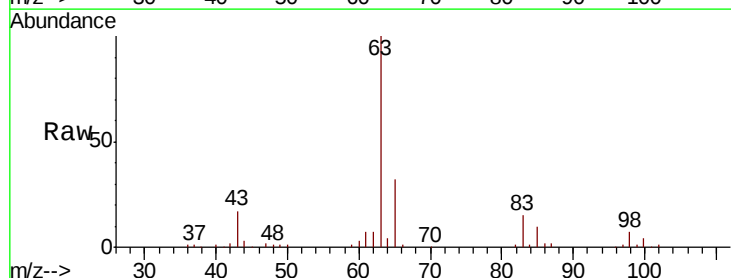
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0907MBS01

Tot Ion: 43 Resp: 1267391
 Ion Ratio Lower Upper
 43 100
 86 10.9 8.7 13.1



#24
 1,1-Dichloroethane
 Concen: 19.65 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VN051050.D
 Acq: 7 Sep 2018 13:47

Tgt Ion: 63 Resp: 246189
 Ion Ratio Lower Upper
 63 100
 98 6.9 3.3 9.8
 100 4.5 2.1 6.5

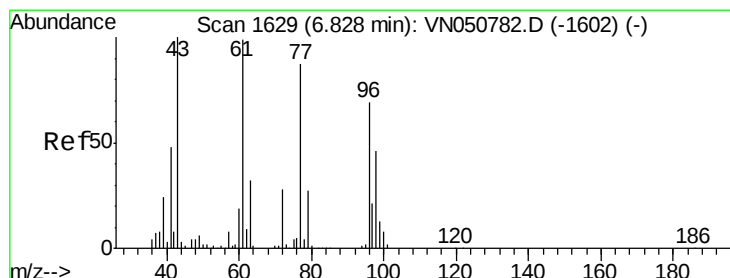
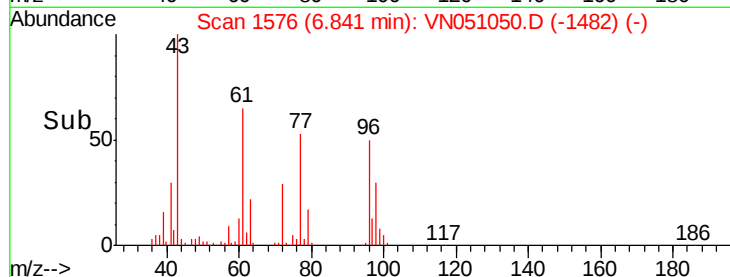
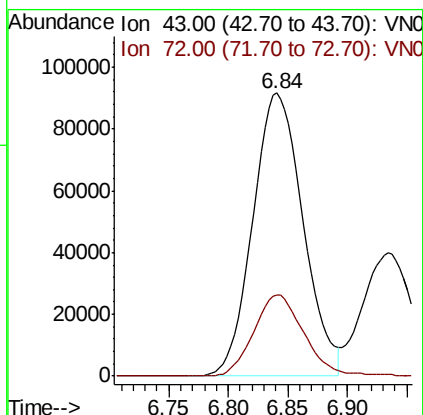
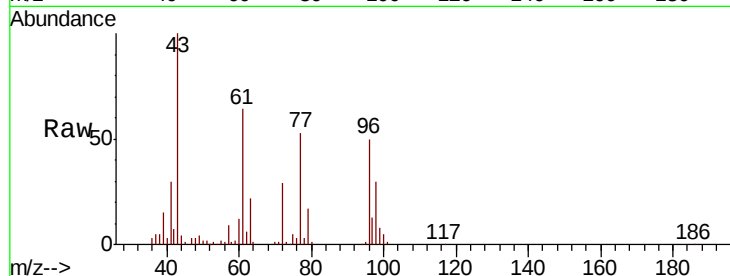




#25
2-Butanone
Concen: 98.29 ug/l
RT: 6.84 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VN051050.D
Acq: 7 Sep 2018 13:47

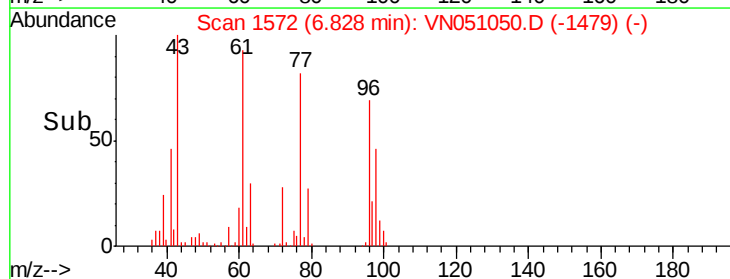
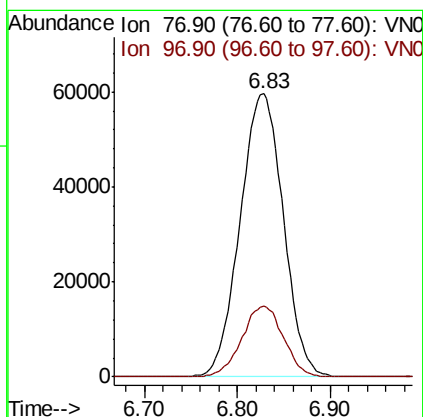
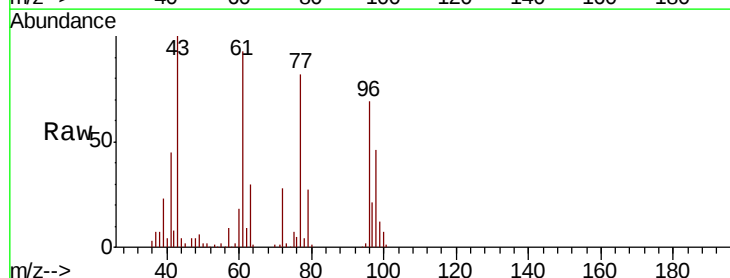
Instrument :
MSVOA_N
ClientSampled :
VN0907MBS01

Tot Ion: 43 Resp: 266772
Ion Ratio Lower Upper
43 100
72 28.7 22.3 33.5



#26
2,2-Dichloropropane
Concen: 19.15 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN051050.D
Acq: 7 Sep 2018 13:47

Tgt Ion: 77 Resp: 192762
Ion Ratio Lower Upper
77 100
97 24.1 12.0 36.0





#27

cis-1,2-Dichloroethene

Concen: 20.02 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN051050.D

Acq: 7 Sep 2018 13:47

Instrument :

MSVOA_N

ClientSampleId :

VN0907MBS01

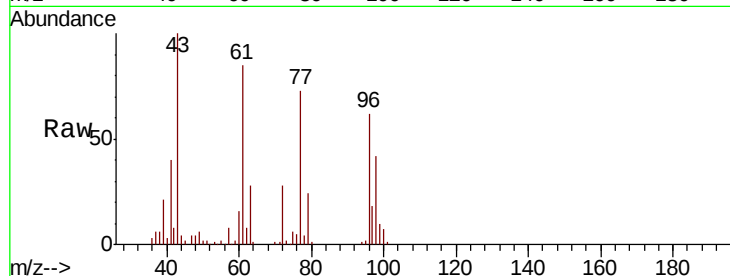
Tot Ion: 96 Resp: 146654

Ion Ratio Lower Upper

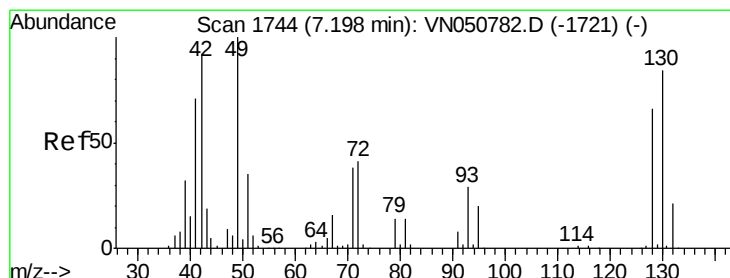
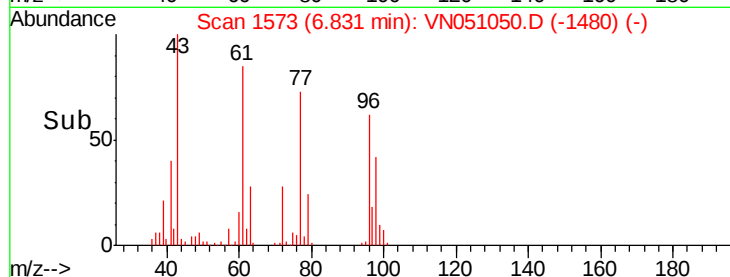
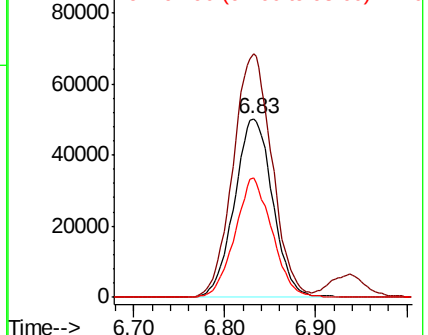
96 100

61 138.6 0.0 283.4

98 64.9 0.0 129.8



Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 18.26 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN051050.D

Acq: 7 Sep 2018 13:47

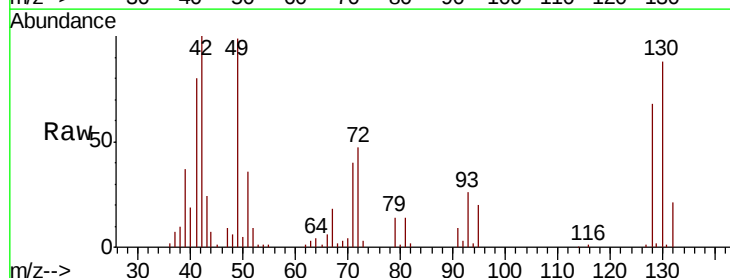
Tgt Ion: 49 Resp: 97218

Ion Ratio Lower Upper

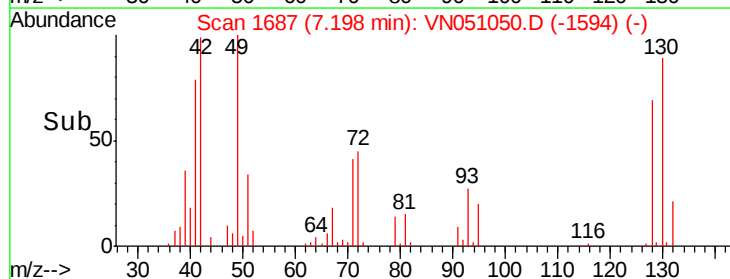
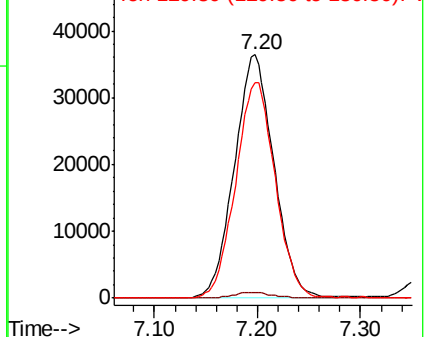
49 100

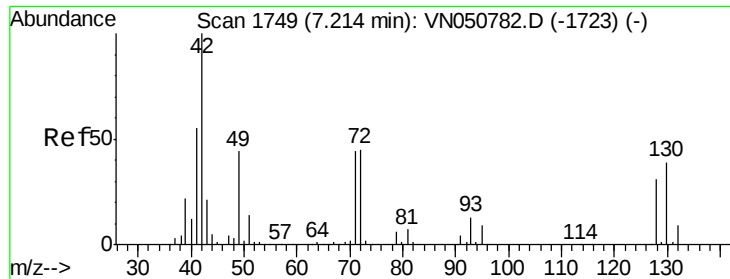
129 2.2 0.0 4.2

130 88.7 67.1 100.7



Abundance Ion 48.90 (48.60 to 49.60): VN0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

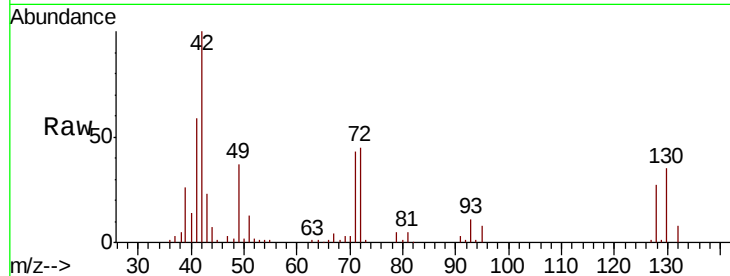




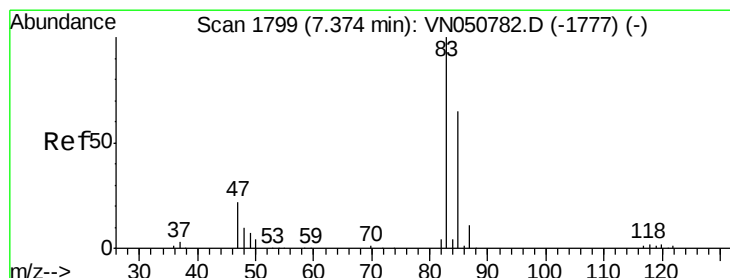
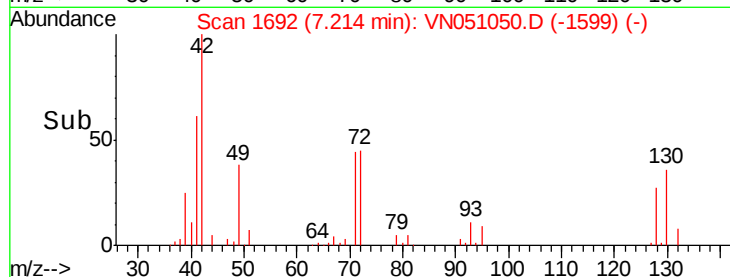
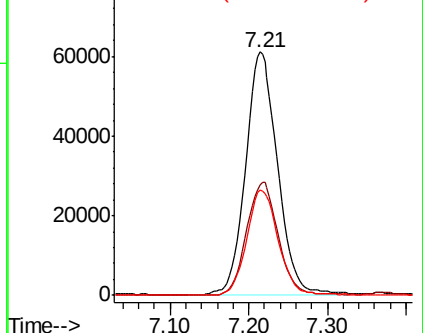
#29
Tetrahydrofuran
Concen: 113.43 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN051050.D
Acq: 7 Sep 2018 13:47

Instrument :
MSVOA_N
ClientSampleId :
VN0907MBS01

Tot Ion: 42 Resp: 176518
Ion Ratio Lower Upper
42 100
72 46.1 35.5 53.3
71 42.3 33.7 50.5

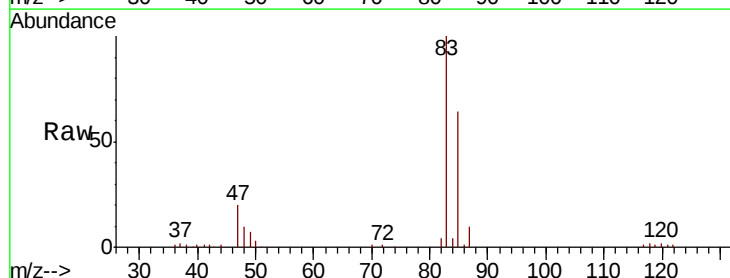


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

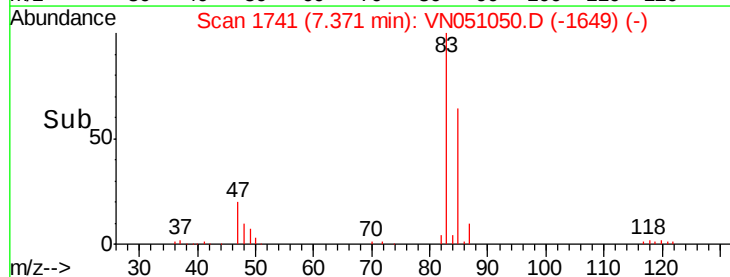
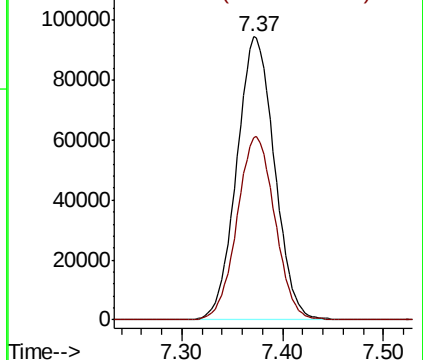


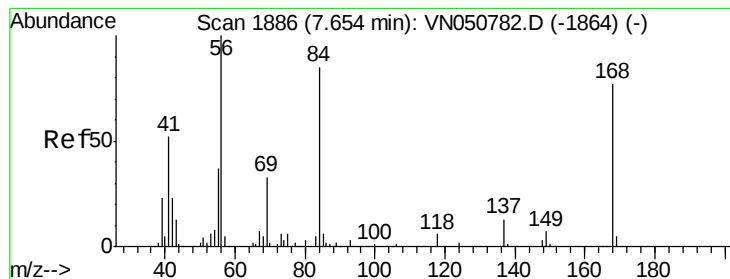
#30
Chloroform
Concen: 19.77 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN051050.D
Acq: 7 Sep 2018 13:47

Tgt Ion: 83 Resp: 245263
Ion Ratio Lower Upper
83 100
85 64.3 52.2 78.4



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 19.23 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN051050.D

Acq: 7 Sep 2018 13:47

Instrument :

MSVOA_N

ClientSampled :

VN0907MBS01

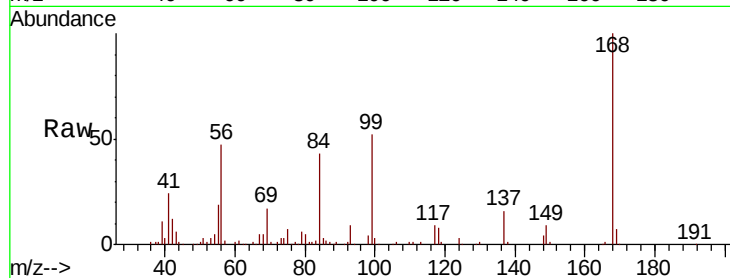
Tot Ion: 56 Resp: 215660

Ion Ratio Lower Upper

56 100

69 35.2 26.2 39.4

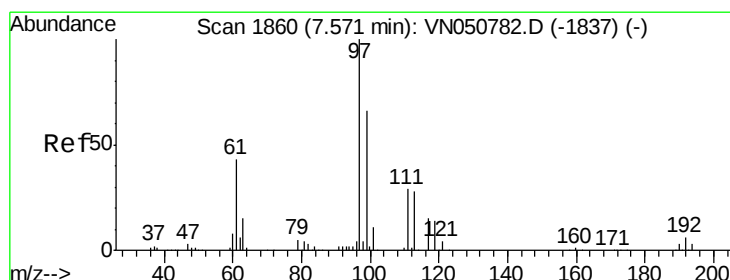
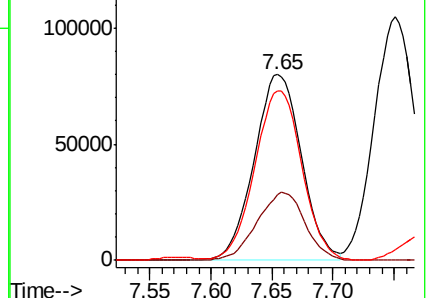
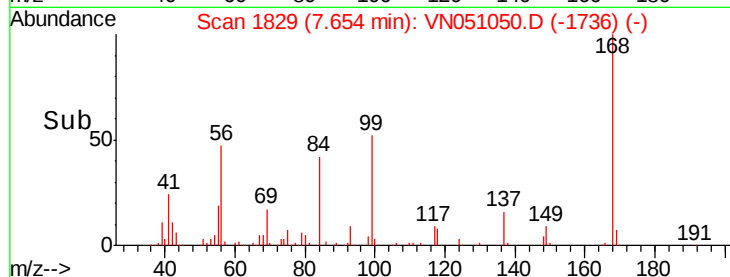
84 90.1 68.3 102.5



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 19.62 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN051050.D

Acq: 7 Sep 2018 13:47

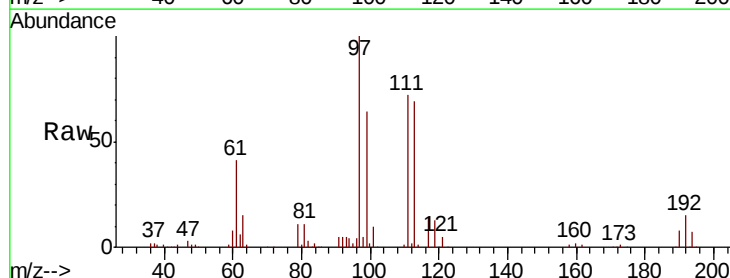
Tgt Ion: 97 Resp: 209016

Ion Ratio Lower Upper

97 100

99 64.2 51.8 77.6

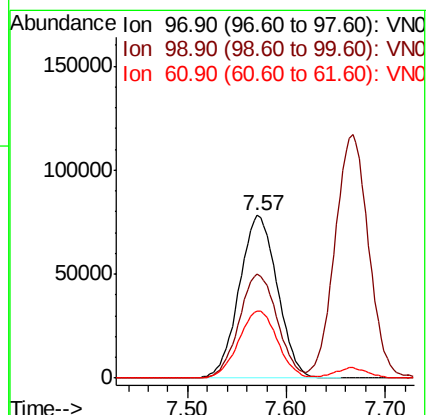
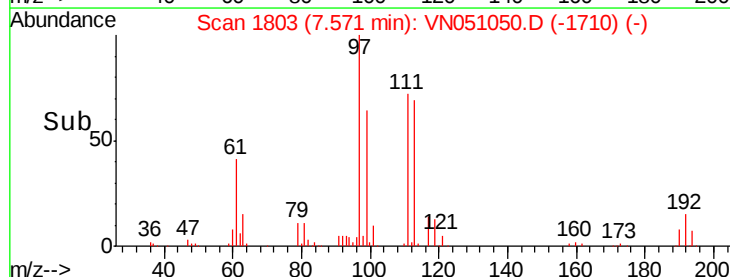
61 42.1 34.9 52.3



Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

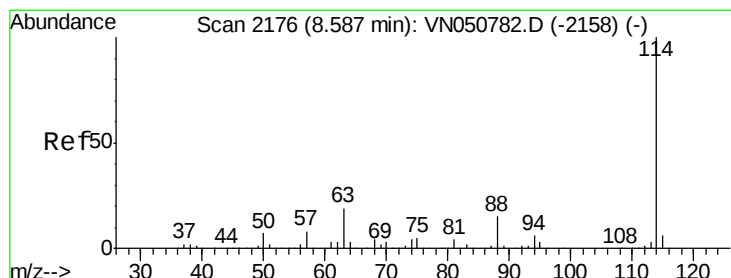
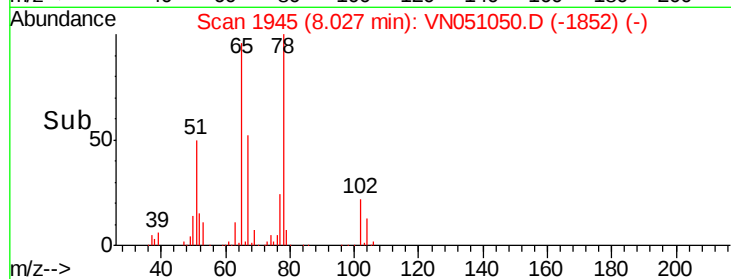
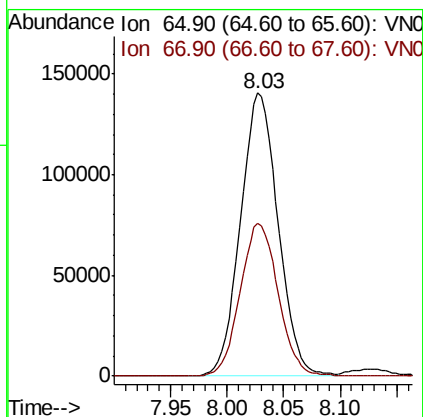
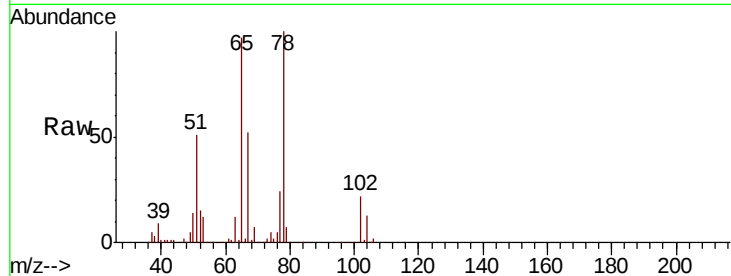




#33
 1,2-Dichloroethane-d4
 Concen: 48.39 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN051050.D
 Acq: 7 Sep 2018 13:47

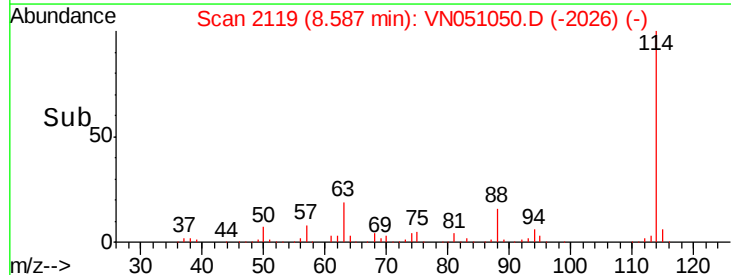
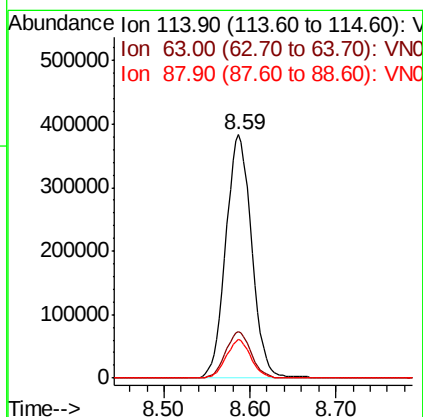
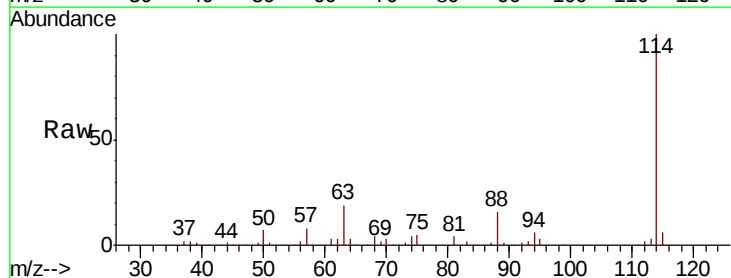
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0907MBS01

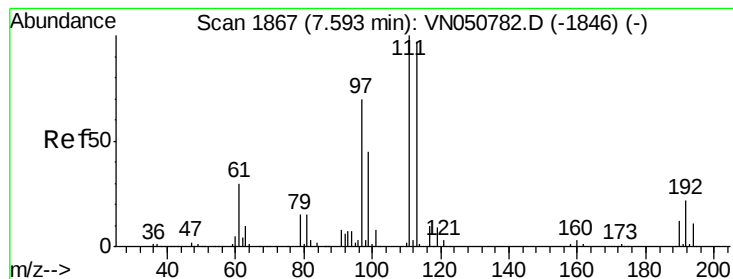
Tot Ion: 65 Resp: 325910
 Ion Ratio Lower Upper
 65 100
 67 54.4 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN051050.D
 Acq: 7 Sep 2018 13:47

Tgt Ion: 114 Resp: 800208
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 38.6
 88 15.7 0.0 30.6





#35

Dibromofluoromethane

Concen: 48.21 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN051050.D

Acq: 7 Sep 2018 13:47

Instrument :

MSVOA_N

ClientSampleId :

VN0907MBS01

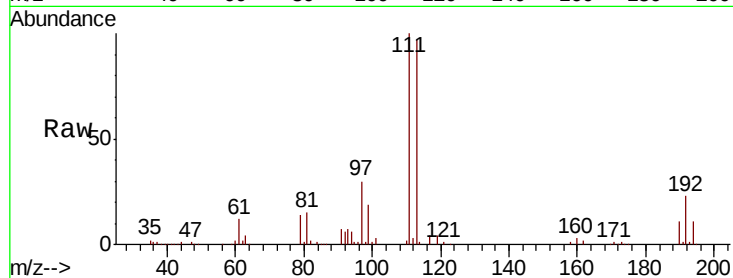
Tot Ion:113 Resp: 306941

Ion Ratio Lower Upper

113 100

111 103.8 82.6 123.8

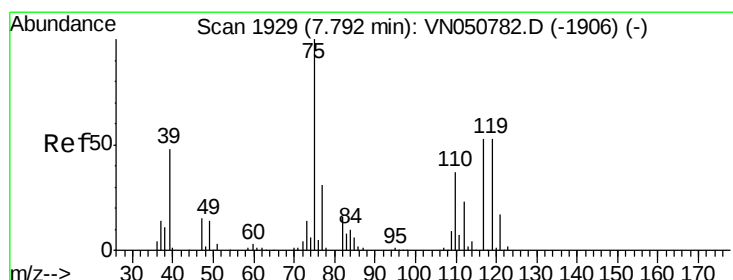
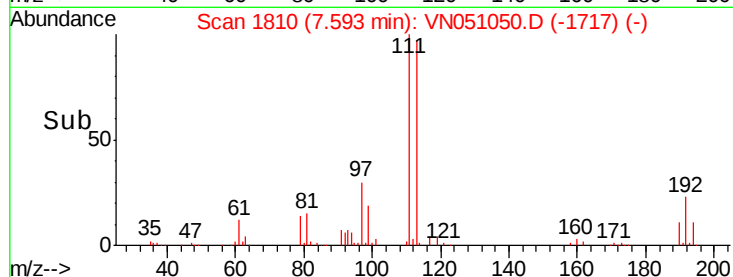
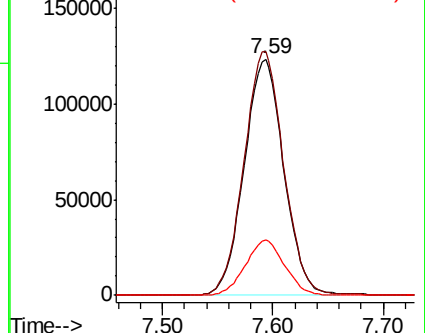
192 23.2 18.0 27.0



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 19.24 ug/l

RT: 7.80 min Scan# 1873

Delta R.T. 0.00 min

Lab File: VN051050.D

Acq: 7 Sep 2018 13:47

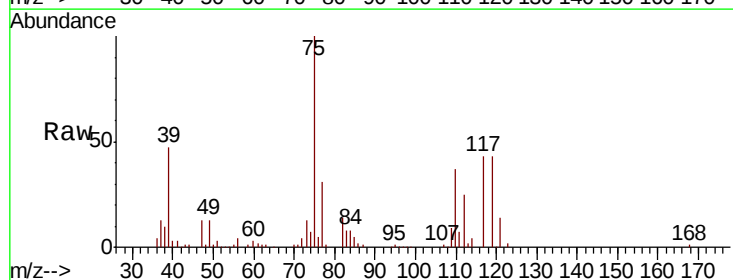
Tgt Ion: 75 Resp: 181670

Ion Ratio Lower Upper

75 100

110 37.5 18.1 54.4

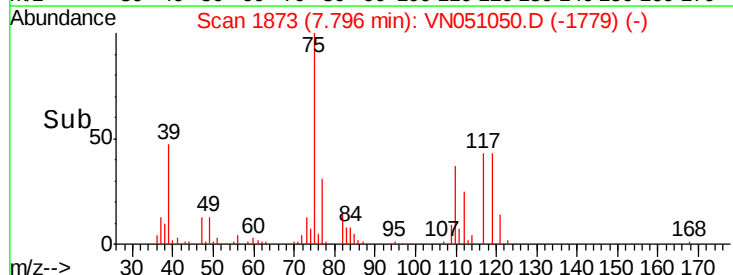
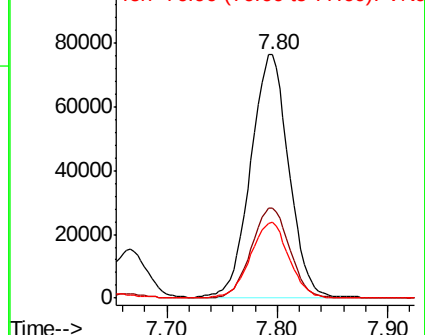
77 32.0 24.8 37.2

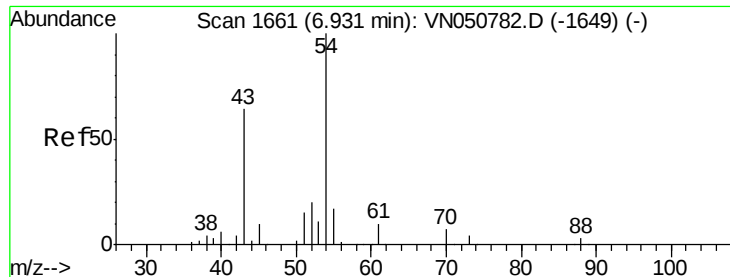


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VN0

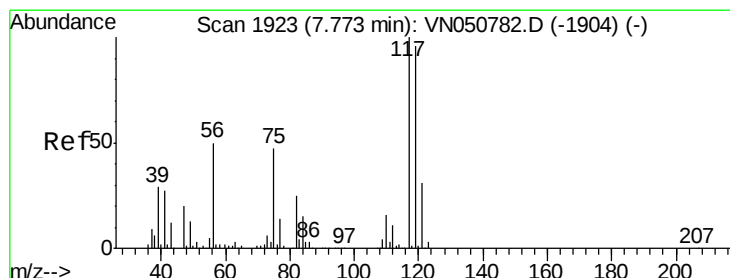
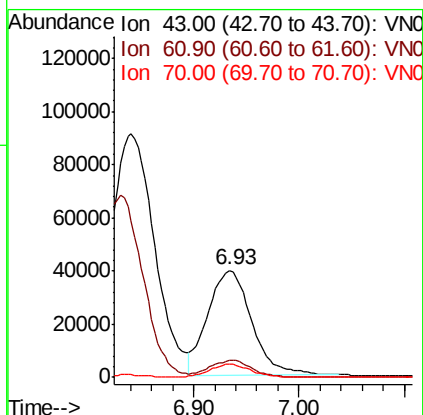
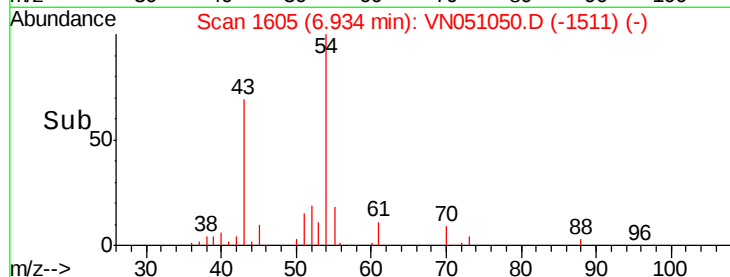
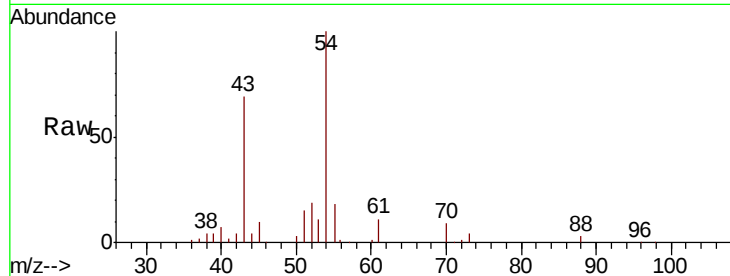




#37
Ethyl Acetate
Concen: 21.21 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN051050.D
Acq: 7 Sep 2018 13:47

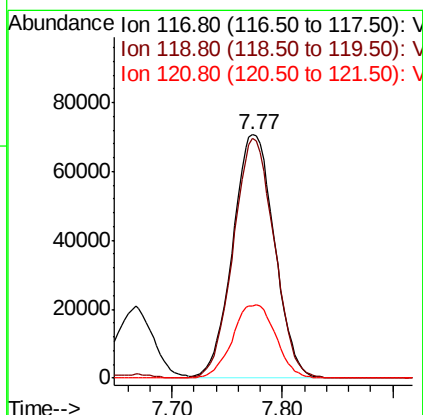
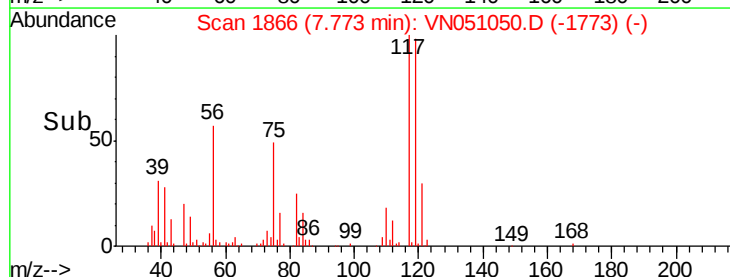
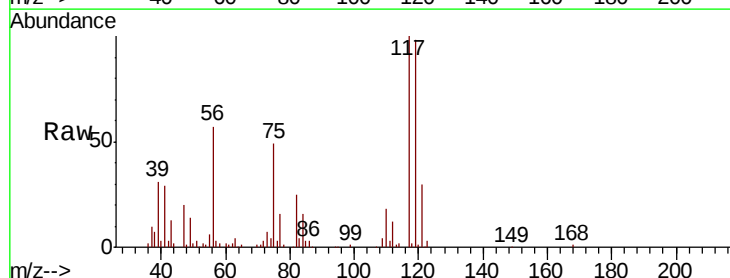
Instrument :
MSVOA_N
ClientSampleId :
VN0907MBS01

Tot Ion: 43 Resp: 115062
Ion Ratio Lower Upper
43 100
61 15.2 12.0 18.0
70 11.8 8.6 13.0



#38
Carbon Tetrachloride
Concen: 19.49 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN051050.D
Acq: 7 Sep 2018 13:47

Tgt Ion: 117 Resp: 186042
Ion Ratio Lower Upper
117 100
119 98.3 76.3 114.5
121 29.9 24.6 36.8

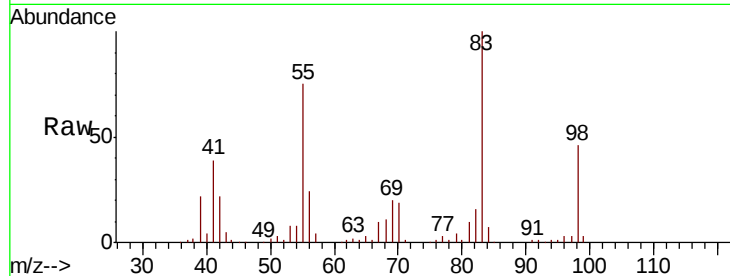




#39
Methvlcvclohexane
Concen: 19.13 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN051050.D
Acq: 7 Sep 2018 13:47

Instrument :
MSVOA_N
ClientSampleId :
VN0907MBS01

Tot Ion	83	Resp	195410
Ion	Ratio	Lower	Upper
83	100		
55	74.9	61.0	91.4
98	45.6	37.5	56.3

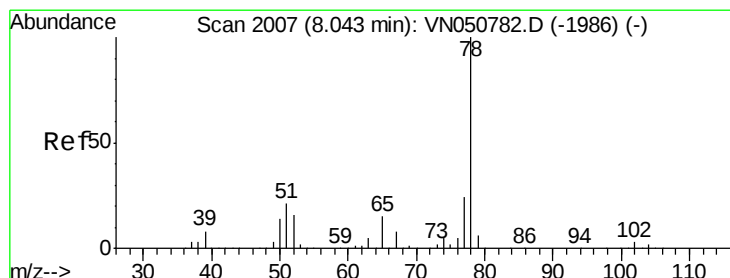
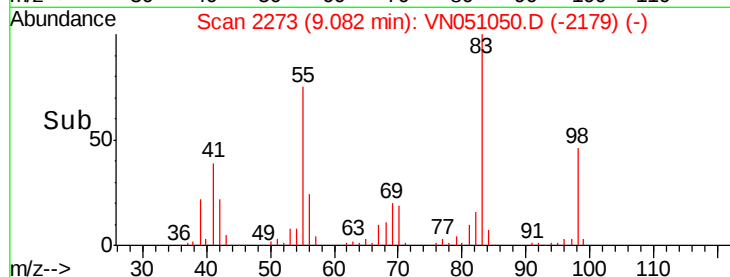
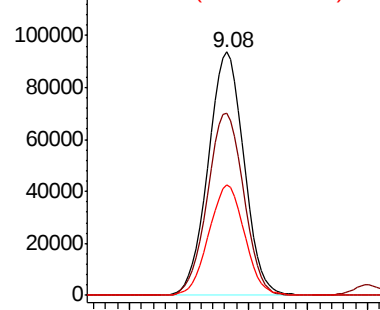


Abundance

Ion 83.00 (82.70 to 83.70): VN0

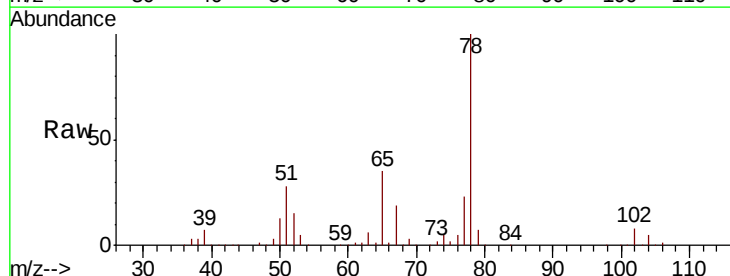
Ion 55.00 (54.70 to 55.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#40
Benzene
Concen: 20.01 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN051050.D
Acq: 7 Sep 2018 13:47

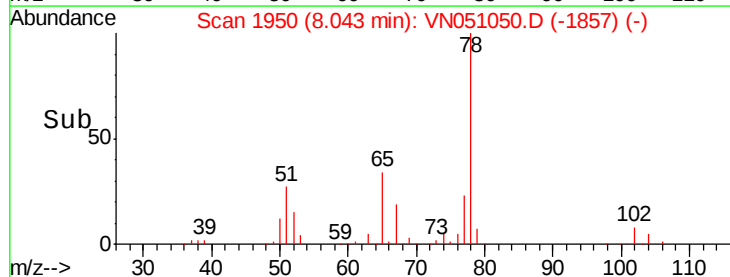
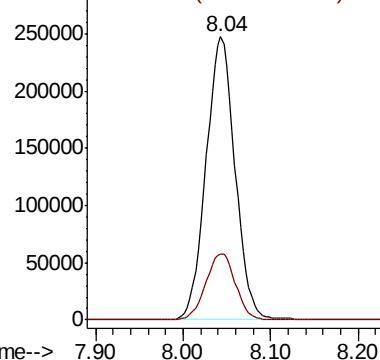
Tgt Ion	78	Resp	569694
Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.0	28.4

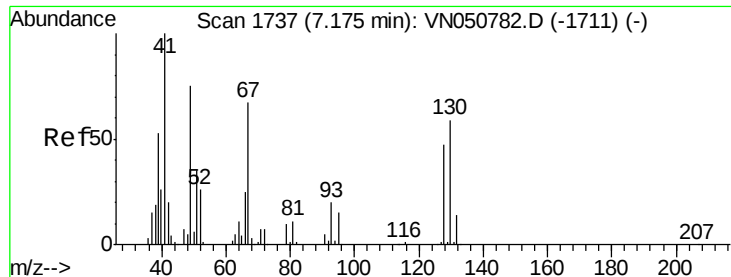


Abundance

Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

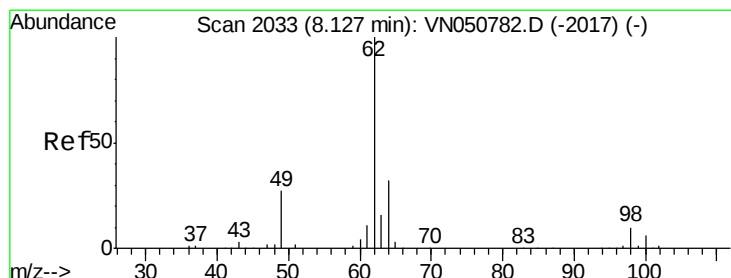
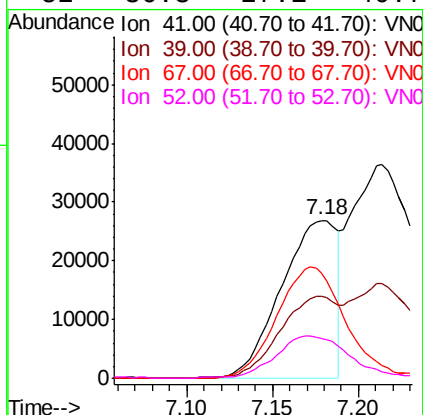
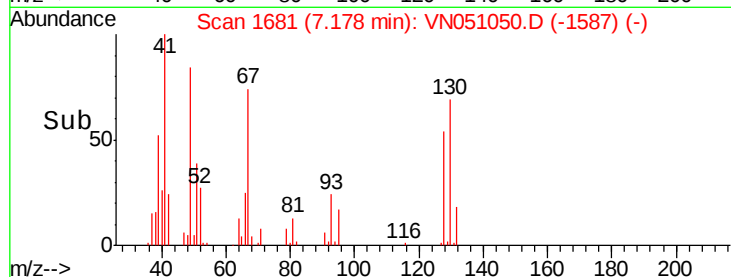
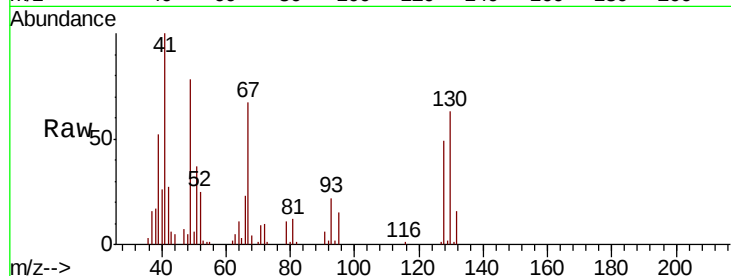




#41
Methacrylonitrile
Concen: 20.72 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN051050.D
Acq: 7 Sep 2018 13:47

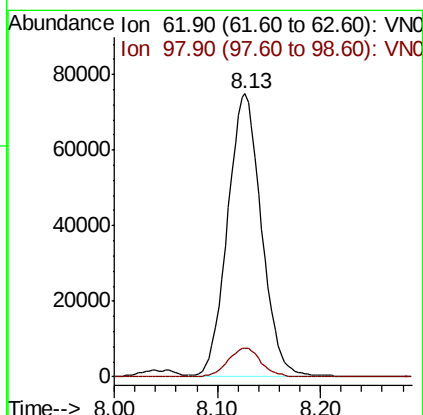
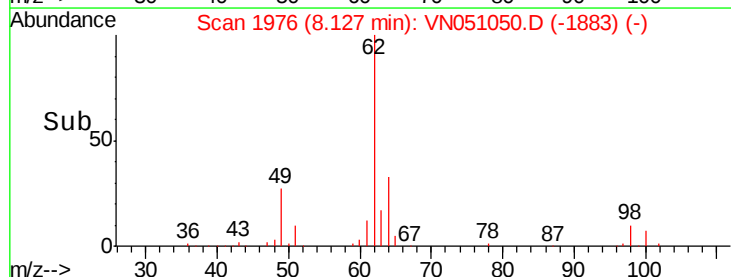
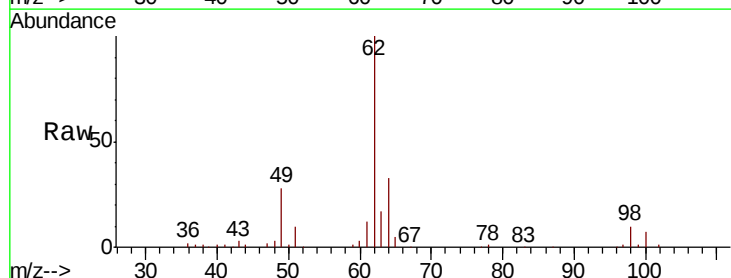
Instrument :
MSVOA_N
ClientSampled :
VN0907MBS01

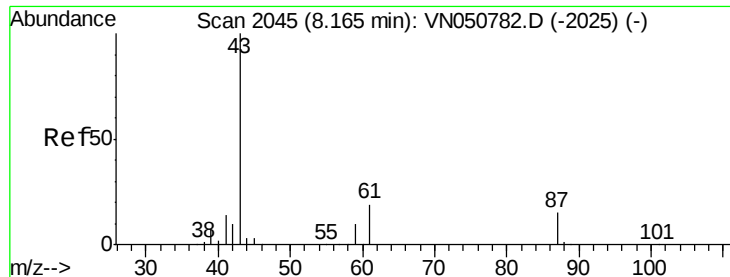
Tot Ion: 41 Resp: 60824
Ion Ratio Lower Upper
41 100
39 52.2 45.4 68.0
67 87.3 70.6 106.0
52 36.3 27.1 40.7



#42
1,2-Dichloroethane
Concen: 19.93 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN051050.D
Acq: 7 Sep 2018 13:47

Tgt Ion: 62 Resp: 169689
Ion Ratio Lower Upper
62 100
98 10.1 0.0 19.6





#43

Isopropyl Acetate

Concen: 21.07 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN051050.D

Acq: 7 Sep 2018 13:47

Instrument :

MSVOA_N

ClientSampleId :

VN0907MBS01

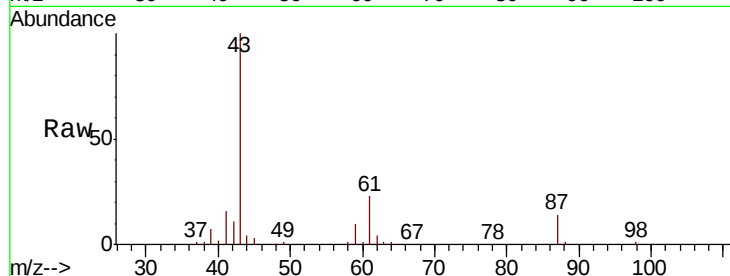
Tot Ion: 43 Resp: 196465

Ion Ratio Lower Upper

43 100

61 22.2 17.5 26.3

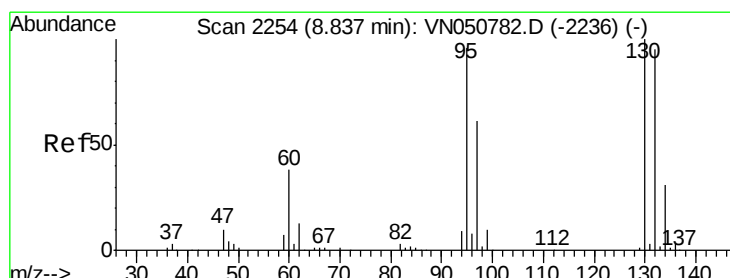
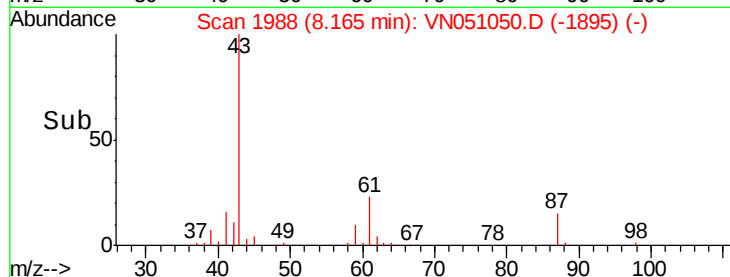
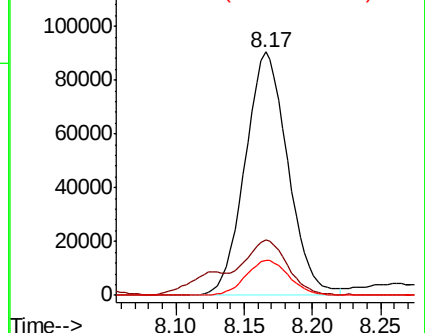
87 14.6 11.3 16.9



Abundance Ion 43.00 (42.70 to 43.70): VN051050.D (-1988) (-)

Ion 61.00 (60.70 to 61.70): VN051050.D (-1988) (-)

Ion 87.00 (86.70 to 87.70): VN051050.D (-1988) (-)



#44

Trichloroethene

Concen: 19.93 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN051050.D

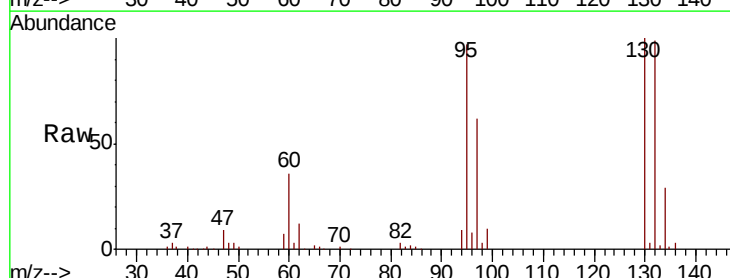
Acq: 7 Sep 2018 13:47

Tgt Ion:130 Resp: 149645

Ion Ratio Lower Upper

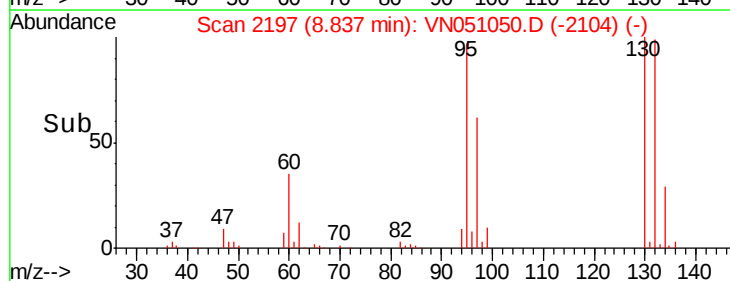
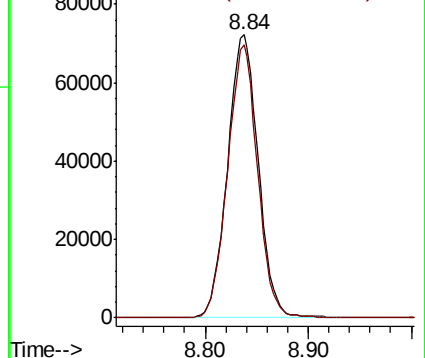
130 100

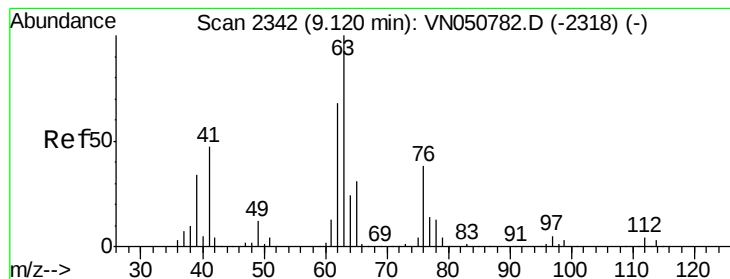
95 96.5 0.0 193.0



Abundance Ion 129.80 (129.50 to 130.50): VN051050.D (-2197) (-)

Ion 94.90 (94.60 to 95.60): VN051050.D (-2197) (-)





#45

1,2-Dichloropropane

Concen: 19.77 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN051050.D

Acq: 7 Sep 2018 13:47

Instrument :

MSVOA_N

ClientSampleId :

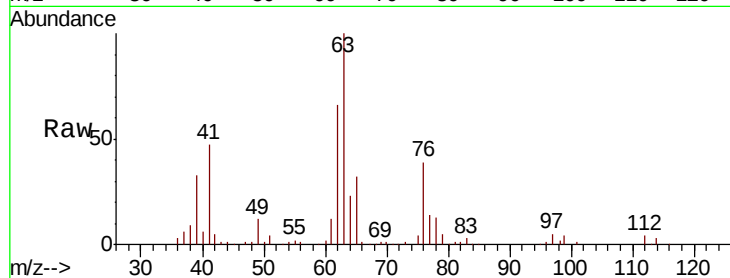
VN0907MBS01

Tot Ion: 63 Resp: 147979

Ion Ratio Lower Upper

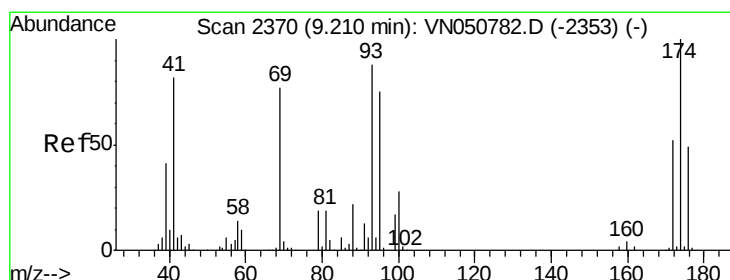
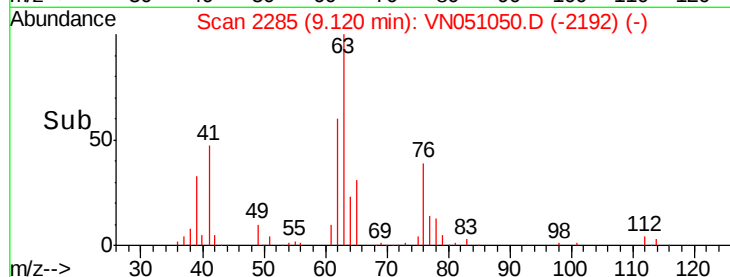
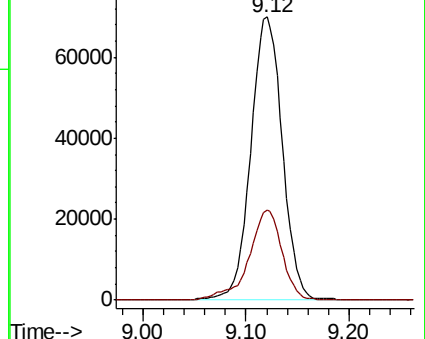
63 100

65 31.9 25.0 37.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 20.28 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN051050.D

Acq: 7 Sep 2018 13:47

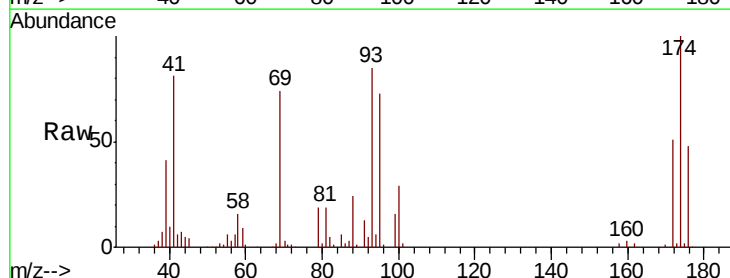
Tgt Ion: 93 Resp: 89161

Ion Ratio Lower Upper

93 100

95 84.3 66.7 100.1

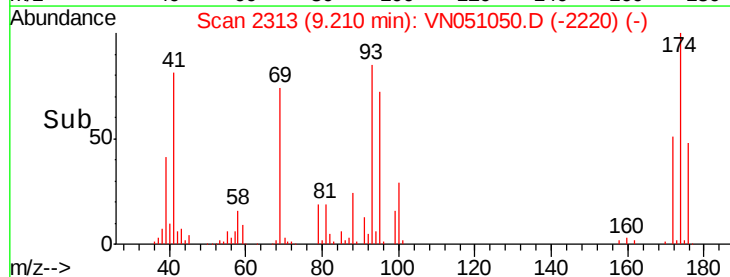
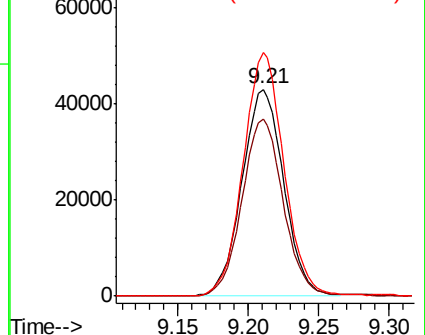
174 114.7 89.8 134.6



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 19.71 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN051050.D

Acq: 7 Sep 2018 13:47

Instrument :

MSVOA_N

ClientSampleId :

VN0907MBS01

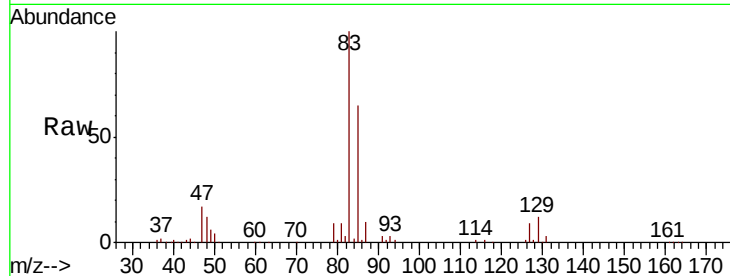
Tot Ion: 83 Resp: 181494

Ion Ratio Lower Upper

83 100

85 65.2 52.6 78.8

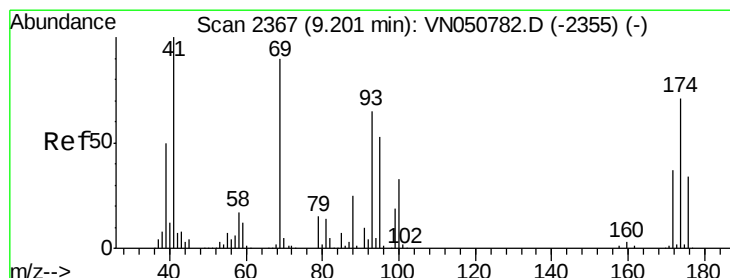
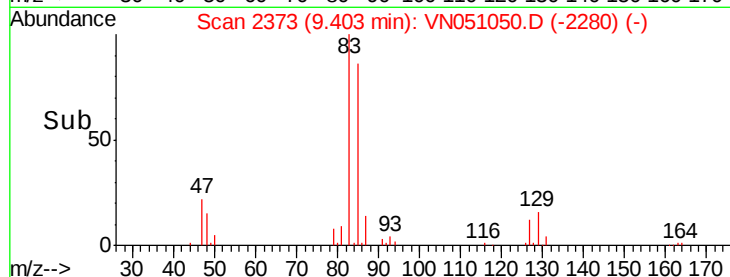
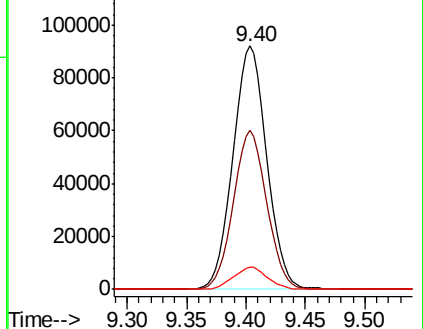
127 9.2 7.2 10.8



Abundance Ion 82.90 (82.60 to 83.60): VN051050.D (-2373) (-)

Ion 84.90 (84.60 to 85.60): VN051050.D (-2373) (-)

Ion 126.80 (126.50 to 127.50): VN051050.D (-2373) (-)



#48

Methyl methacrylate

Concen: 20.30 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN051050.D

Acq: 7 Sep 2018 13:47

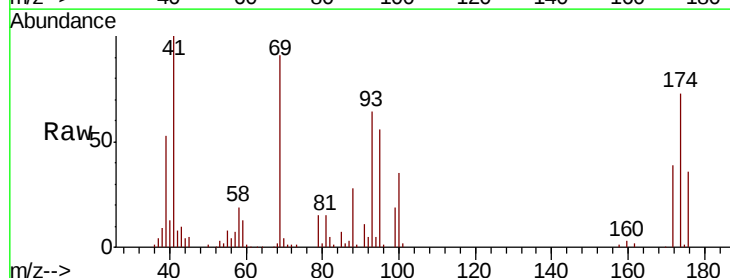
Tgt Ion: 41 Resp: 96477

Ion Ratio Lower Upper

41 100

69 95.7 74.7 112.1

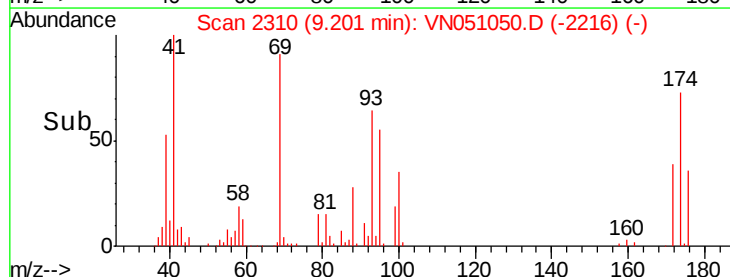
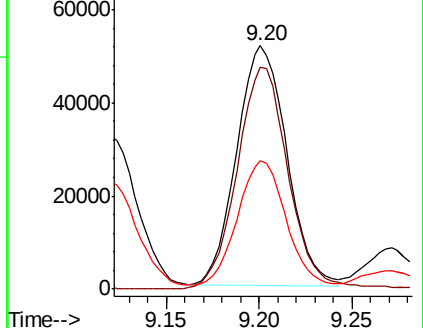
39 52.8 42.2 63.2



Abundance Ion 41.00 (40.70 to 41.70): VN051050.D (-2310) (-)

Ion 69.00 (68.70 to 69.70): VN051050.D (-2310) (-)

Ion 39.00 (38.70 to 39.70): VN051050.D (-2310) (-)





#49

1,4-Dioxane

Concen: 485.05 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

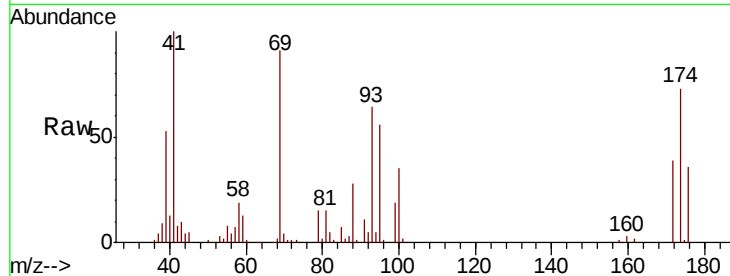
Lab File: VN051050.D

Acq: 7 Sep 2018 13:47

Instrument :
MSVOA_N
ClientSampleId :
VN0907MBS01

Tot Ion: 88 Resp: 31429

Ion	Ratio	Lower	Upper
88	100		
43	28.6	25.9	38.9
58	70.2	55.0	82.4

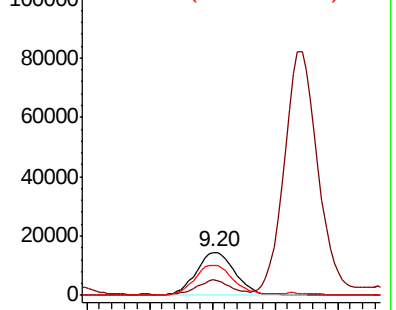


Abundance

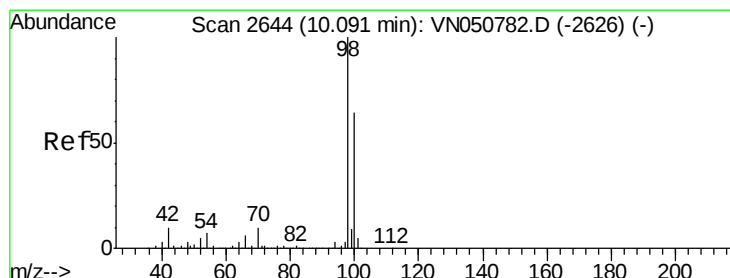
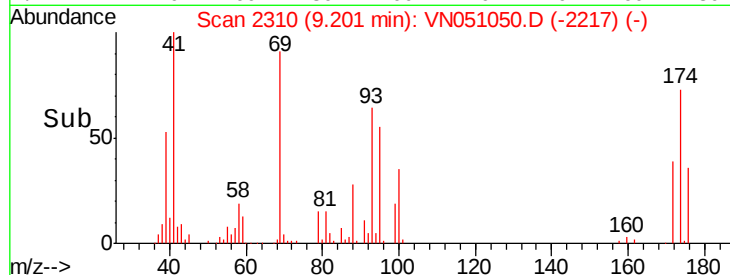
Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



Time-->



#50

Toluene-d8

Concen: 48.06 ug/l

RT: 10.09 min Scan# 2587

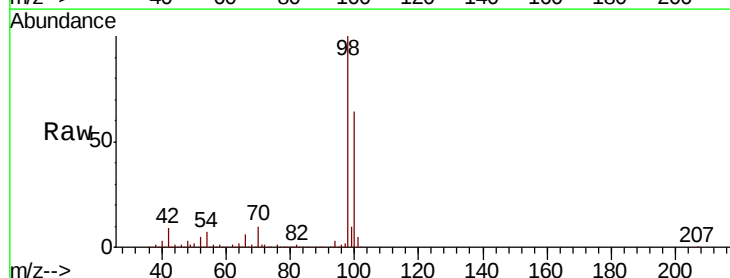
Delta R.T. 0.00 min

Lab File: VN051050.D

Acq: 7 Sep 2018 13:47

Tgt Ion: 98 Resp: 1143956

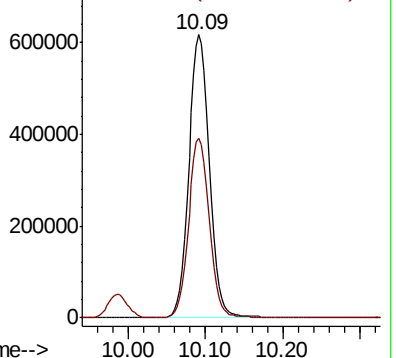
Ion	Ratio	Lower	Upper
98	100		
100	64.2	51.5	77.3



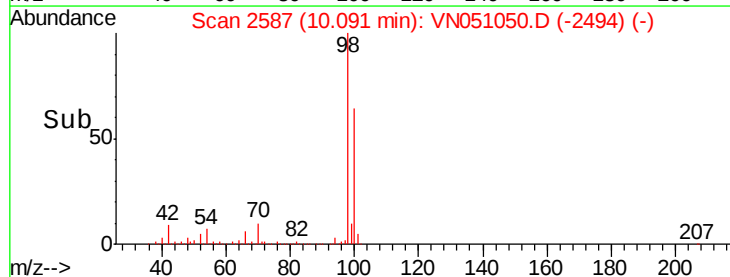
Abundance

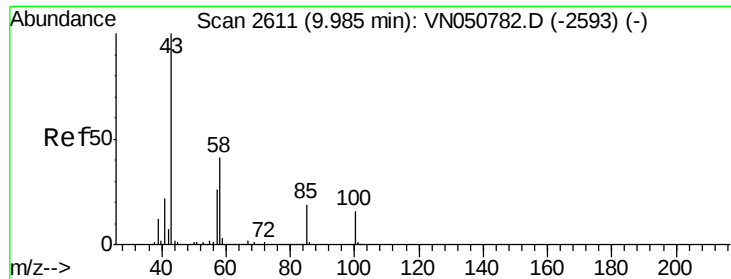
Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0



Time-->





#51

4-Methyl-2-Pentanone

Concen: 103.83 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN051050.D

Acq: 7 Sep 2018 13:47

Instrument :

MSVOA_N

ClientSampleId :

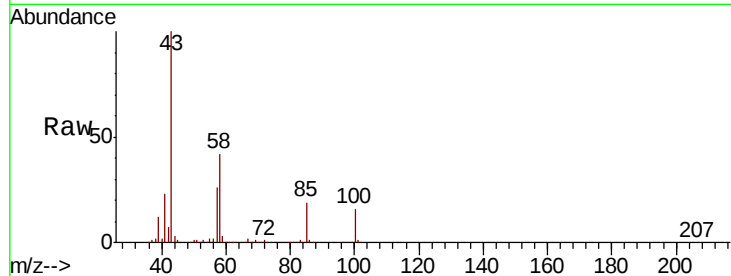
VN0907MBS01

Tot Ion: 43 Resp: 577857

Ion Ratio Lower Upper

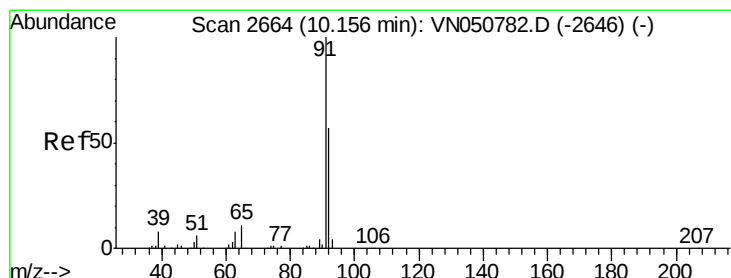
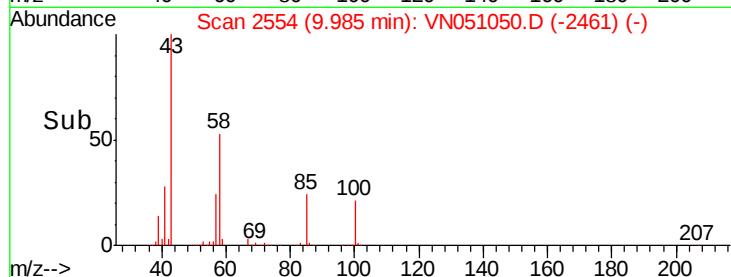
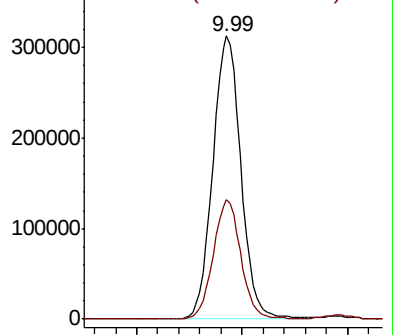
43 100

58 41.5 32.4 48.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 20.65 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN051050.D

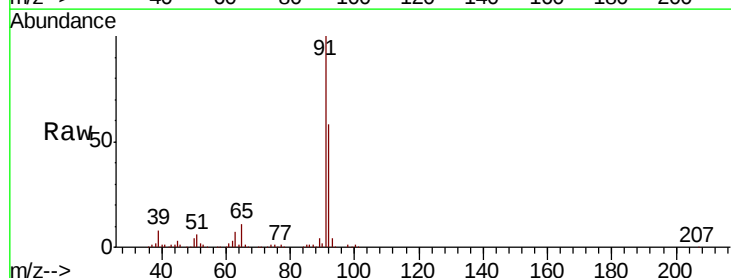
Acq: 7 Sep 2018 13:47

Tgt Ion: 92 Resp: 348266

Ion Ratio Lower Upper

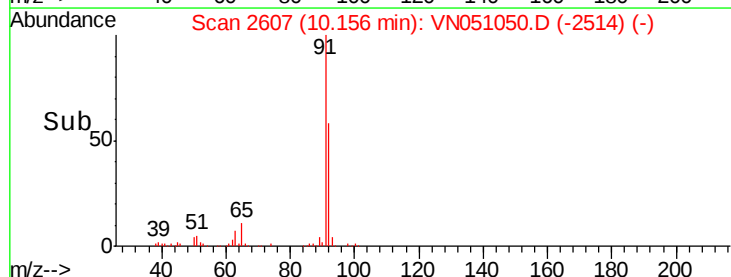
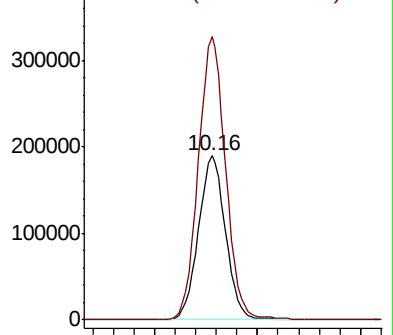
92 100

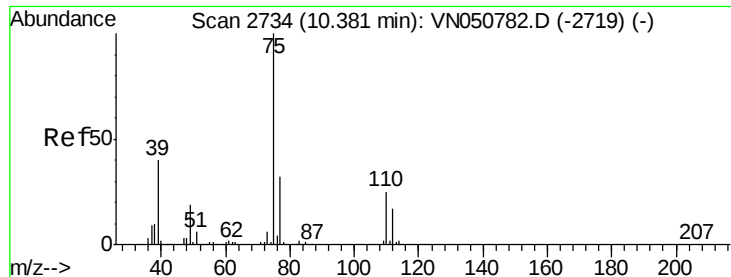
91 173.7 140.6 211.0



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 19.66 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN051050.D

Acq: 7 Sep 2018 13:47

Instrument :

MSVOA_N

ClientSampled :

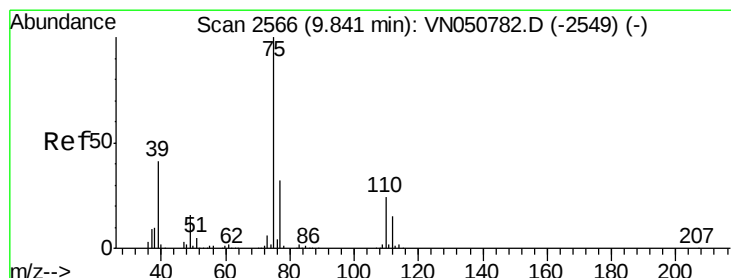
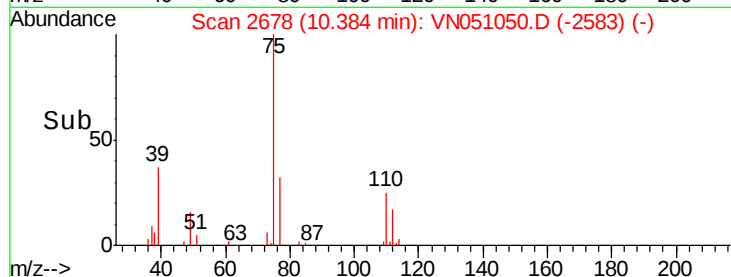
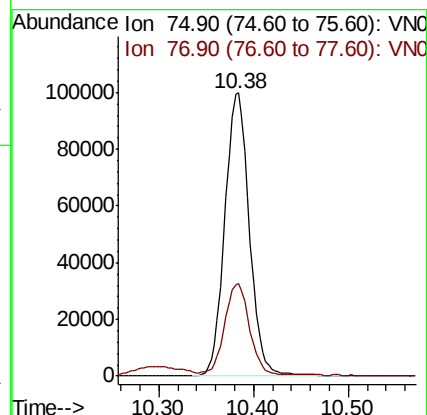
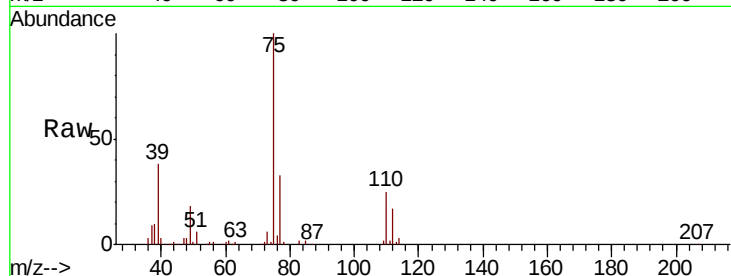
VN0907MBS01

Tot Ion: 75 Resp: 180201

Ion Ratio Lower Upper

75 100

77 32.2 25.7 38.5



#54

cis-1,3-Dichloropropene

Concen: 20.04 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN051050.D

Acq: 7 Sep 2018 13:47

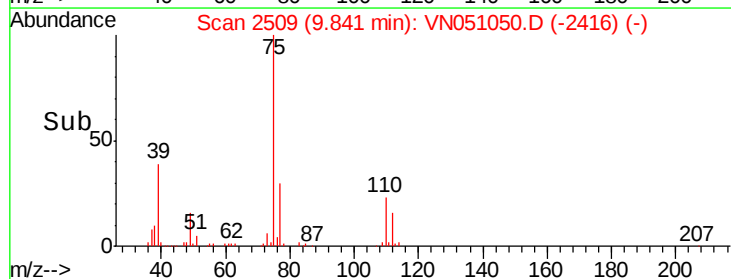
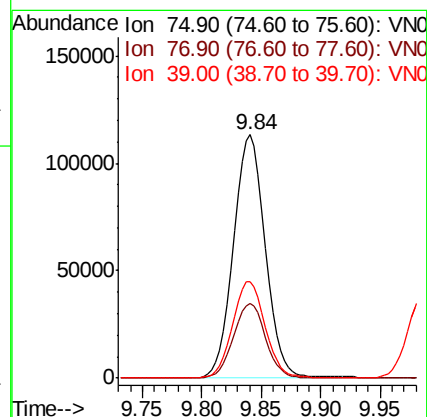
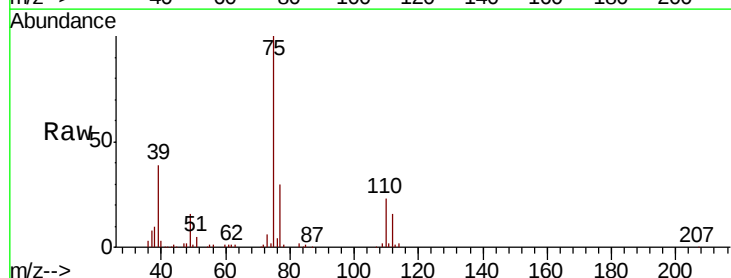
Tgt Ion: 75 Resp: 210329

Ion Ratio Lower Upper

75 100

77 30.4 25.4 38.2

39 39.5 33.0 49.4

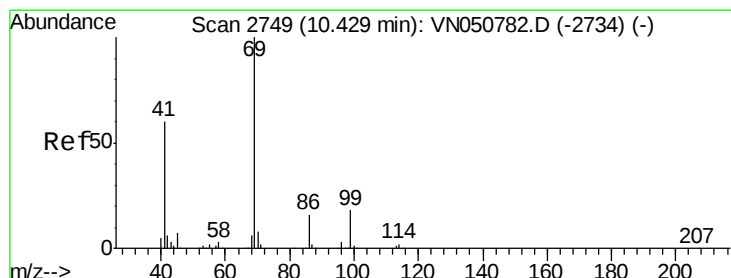
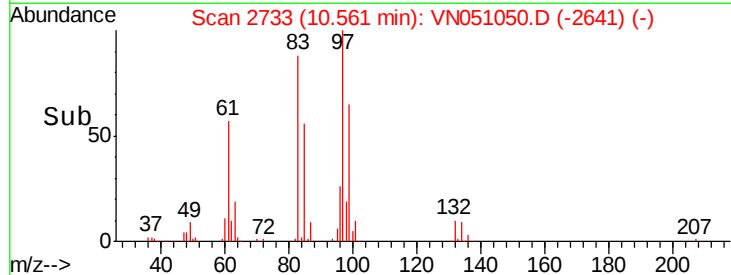
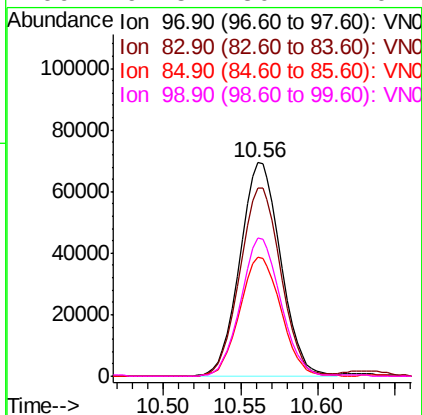
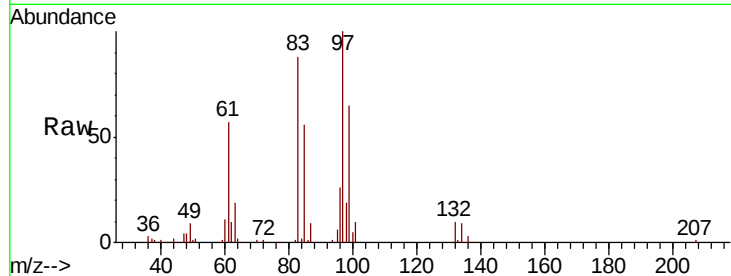




#55
 1,1,2-Trichloroethane
 Concen: 20.34 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN051050.D
 Acq: 7 Sep 2018 13:47

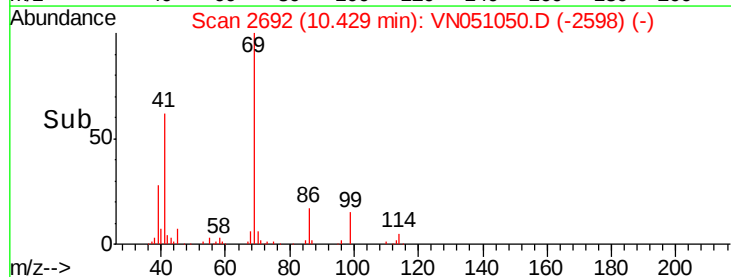
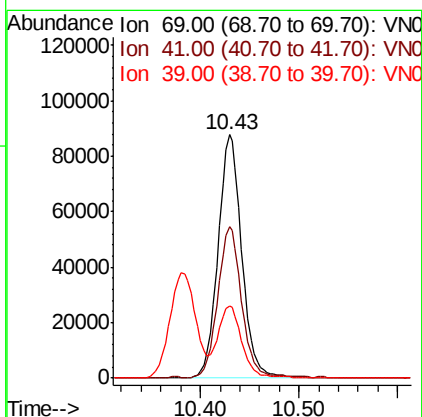
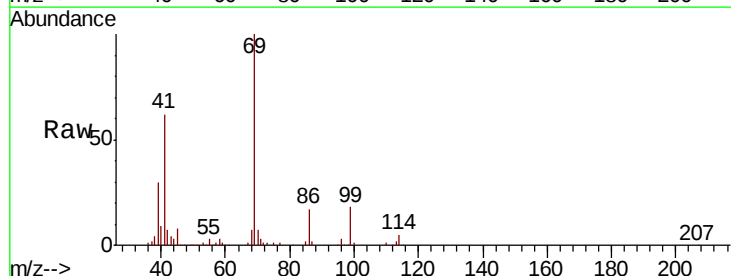
Instrument :
 MSVOA_N
 ClientSampled :
 VN0907MBS01

Tot Ion:	97	Resp:	127317
Ion	Ratio	Lower	Upper
97	100		
83	88.0	69.7	104.5
85	56.0	44.5	66.7
99	64.5	50.7	76.1



#56
 Ethyl methacrylate
 Concen: 19.68 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN051050.D
 Acq: 7 Sep 2018 13:47

Tgt Ion:	69	Resp:	148133
Ion	Ratio	Lower	Upper
69	100		
41	61.8	48.3	72.5
39	30.3	24.0	36.0





#57

1,3-Dichloropropane

Concen: 20.43 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN051050.D

Acq: 7 Sep 2018 13:47

Instrument :

MSVOA_N

ClientSampled :

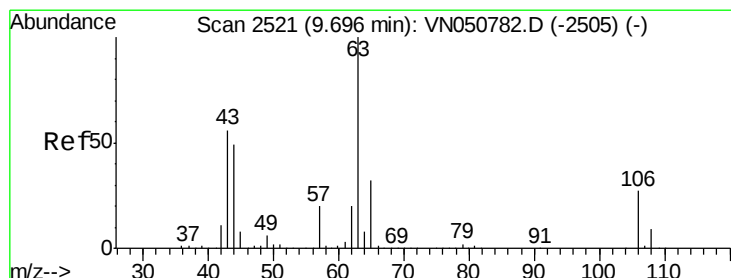
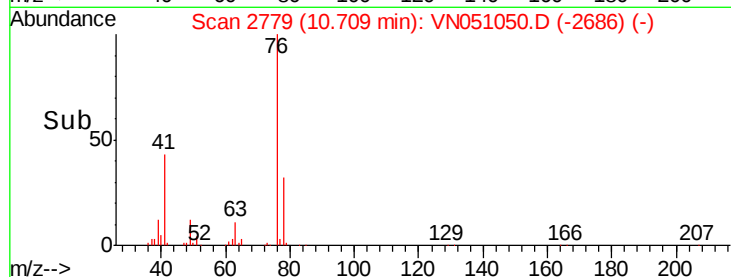
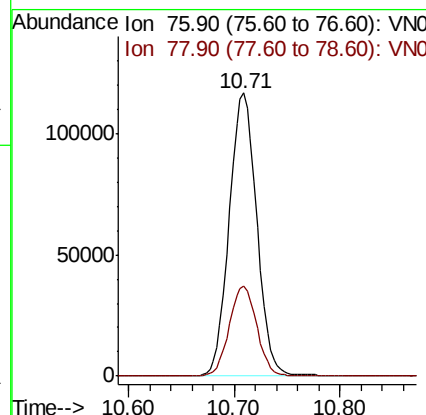
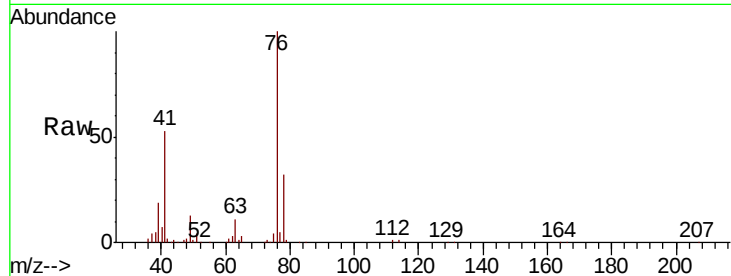
VN0907MBS01

Tot Ion: 76 Resp: 211135

Ion Ratio Lower Upper

76 100

78 31.7 25.5 38.3



#58

2-Chloroethyl Vinyl ether

Concen: 89.76 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN051050.D

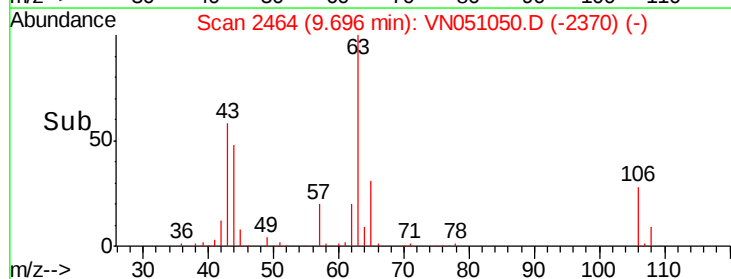
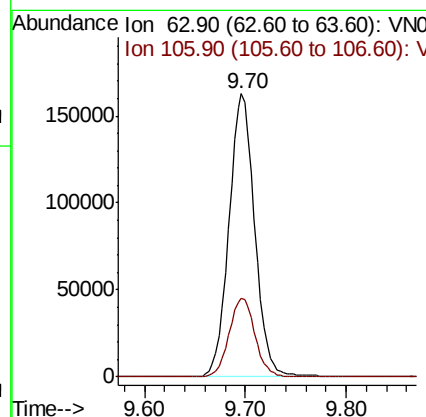
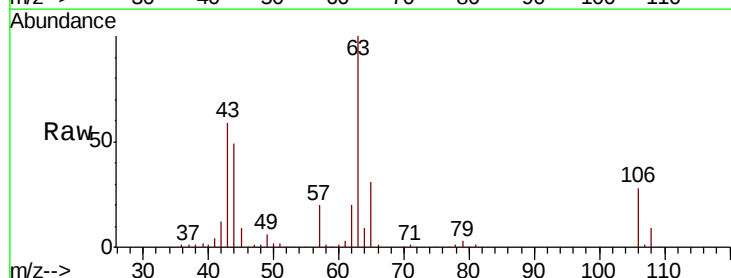
Acq: 7 Sep 2018 13:47

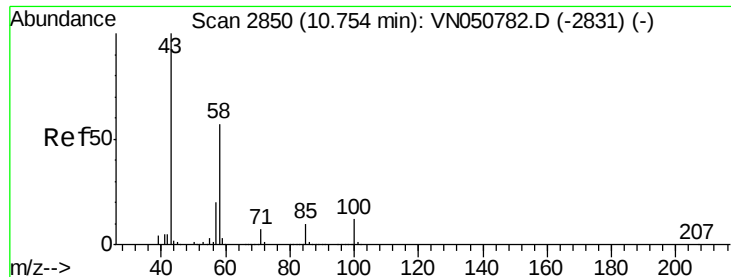
Tgt Ion: 63 Resp: 289724

Ion Ratio Lower Upper

63 100

106 28.0 21.9 32.9

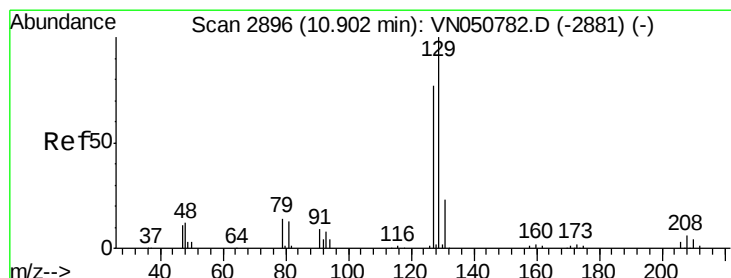
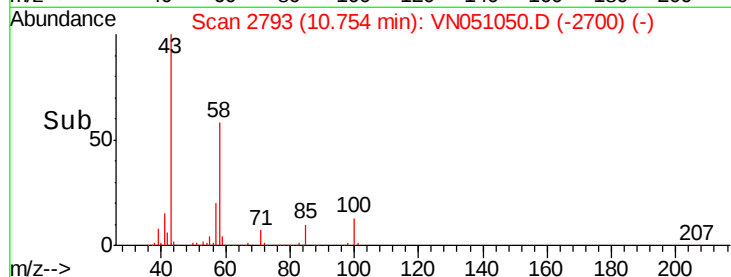
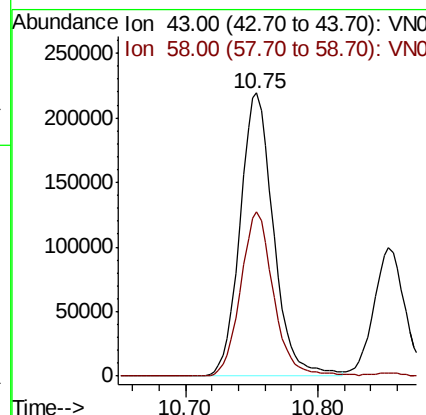
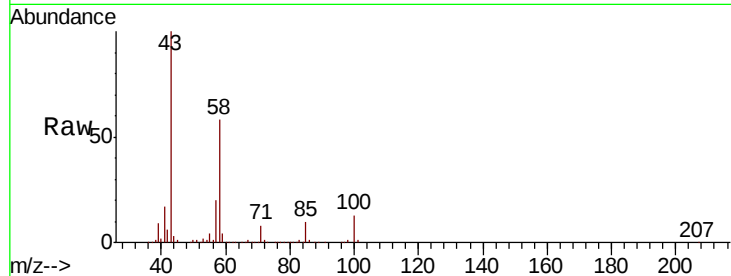




#59
2-Hexanone
Concen: 103.26 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN051050.D
Acq: 7 Sep 2018 13:47

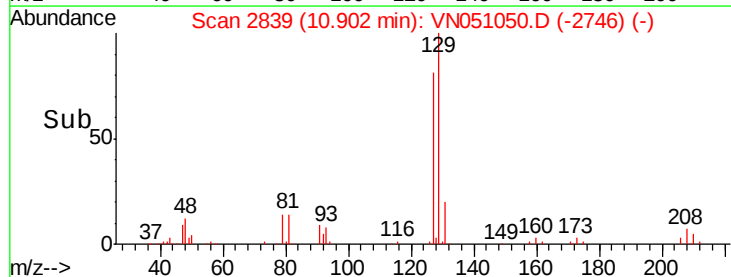
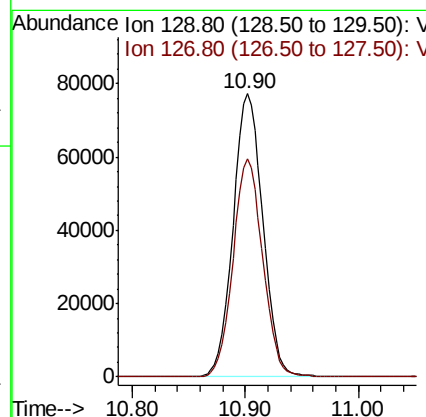
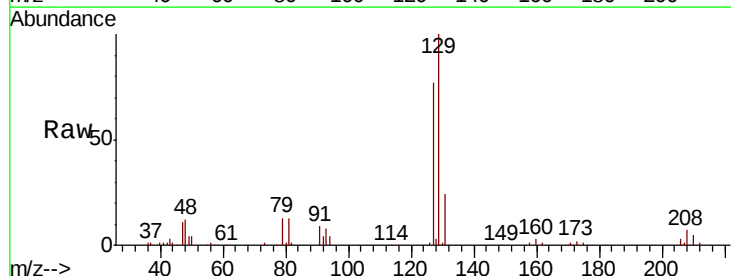
Instrument :
MSVOA_N
ClientSampleId :
VN0907MBS01

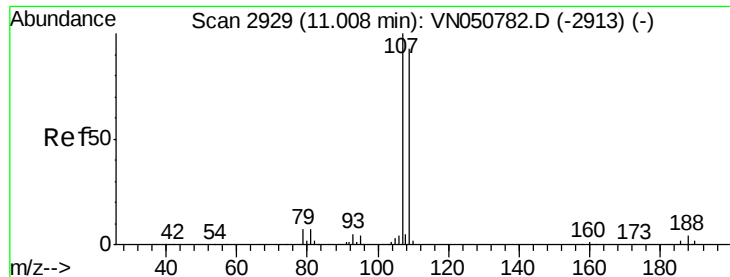
Tot Ion: 43 Resp: 382587
Ion Ratio Lower Upper
43 100
58 57.3 28.3 85.0



#60
Dibromochloromethane
Concen: 20.19 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN051050.D
Acq: 7 Sep 2018 13:47

Tgt Ion: 129 Resp: 141560
Ion Ratio Lower Upper
129 100
127 76.7 38.3 114.9

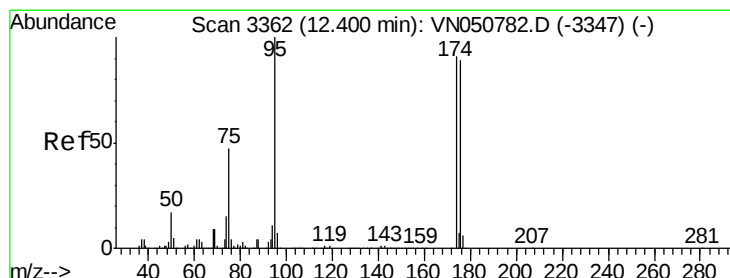
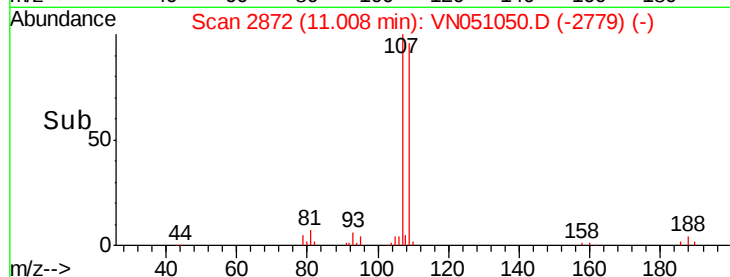
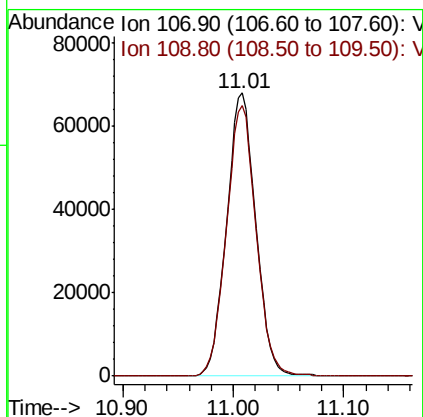
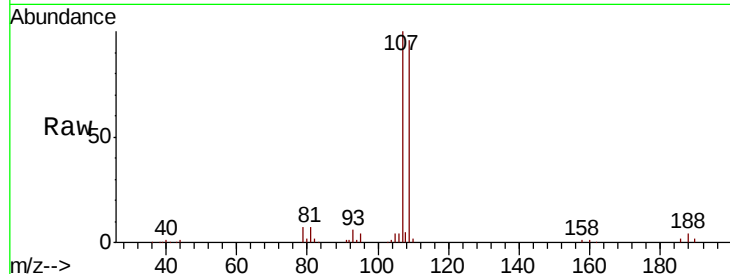




#61
 1,2-Dibromoethane
 Concen: 20.64 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN051050.D
 Acq: 7 Sep 2018 13:47

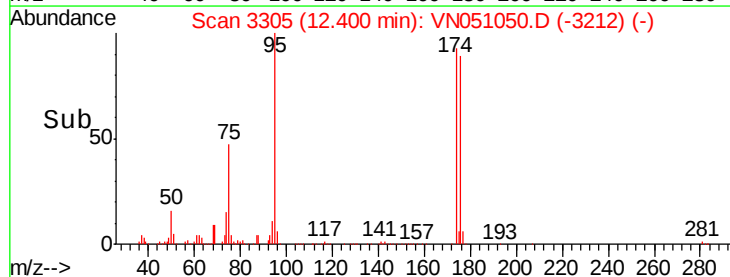
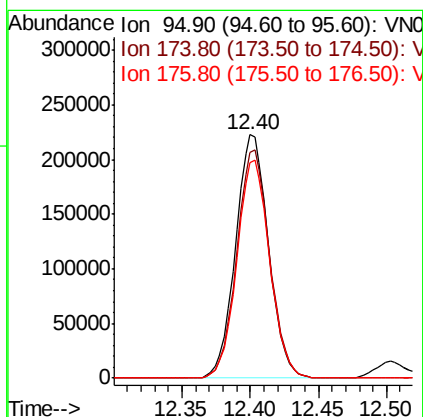
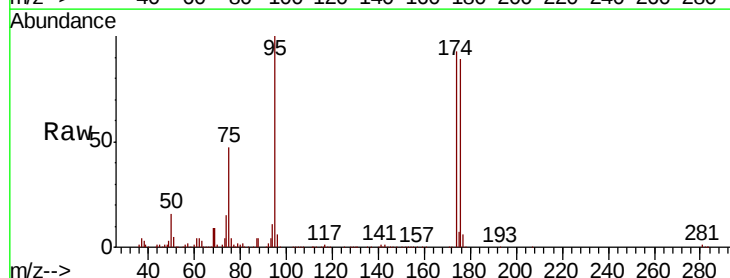
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0907MBS01

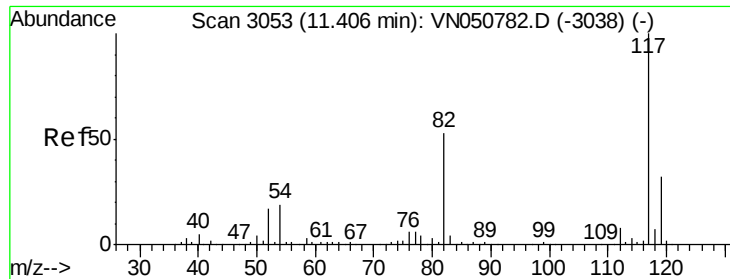
Tot Ion: 107 Resp: 124953
 Ion Ratio Lower Upper
 107 100
 109 97.2 75.4 113.2



#62
 4-Bromofluorobenzene
 Concen: 47.04 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN051050.D
 Acq: 7 Sep 2018 13:47

Tgt Ion: 95 Resp: 372072
 Ion Ratio Lower Upper
 95 100
 174 93.4 0.0 183.0
 176 89.2 0.0 178.8

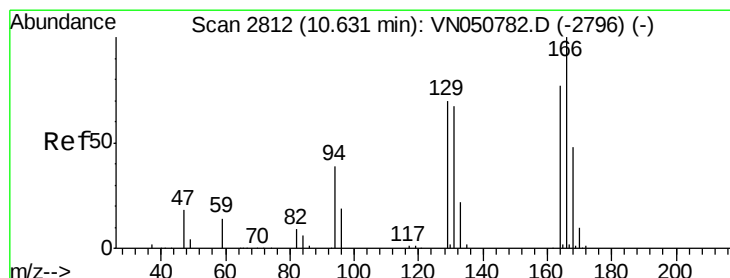
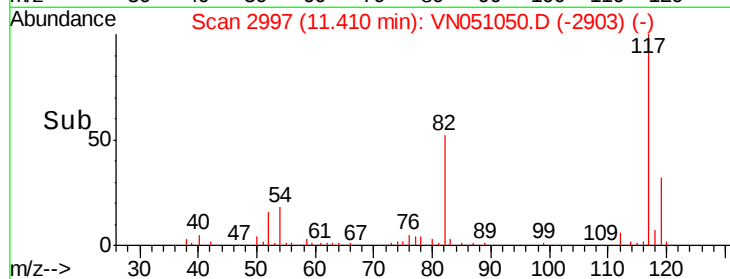
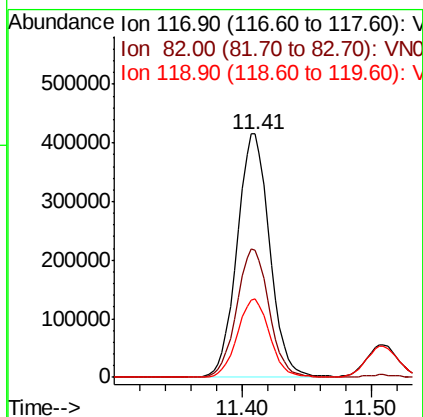
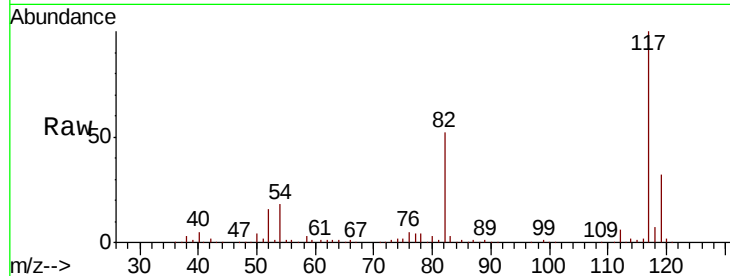




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN051050.D
Acq: 7 Sep 2018 13:47

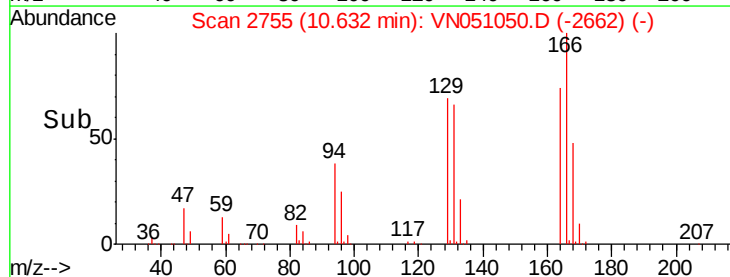
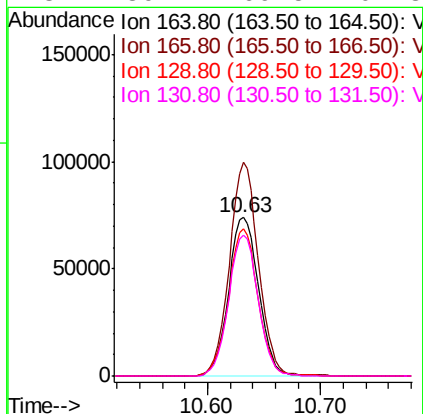
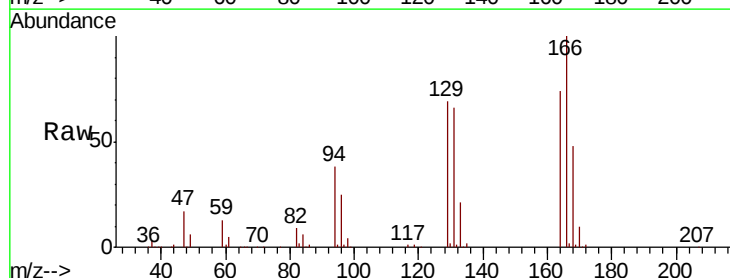
Instrument :
MSVOA_N
ClientSampled :
VN0907MBS01

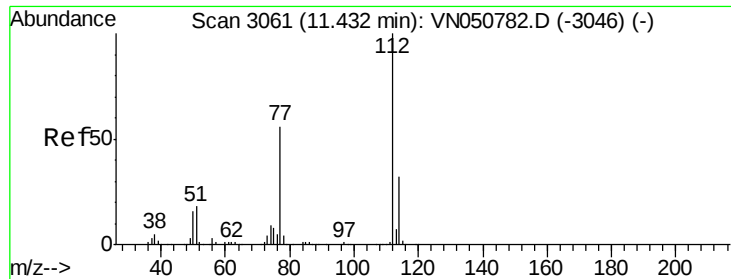
Tot Ion:117 Resp: 729976
Ion Ratio Lower Upper
117 100
82 52.4 42.6 64.0
119 32.2 25.8 38.6



#64
Tetrachloroethene
Concen: 19.75 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN051050.D
Acq: 7 Sep 2018 13:47

Tgt Ion:164 Resp: 136952
Ion Ratio Lower Upper
164 100
166 134.7 103.5 155.3
129 92.9 72.7 109.1
131 89.2 69.5 104.3





#65

Chlorobenzene

Concen: 19.57 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN051050.D

Acq: 7 Sep 2018 13:47

Instrument :

MSVOA_N

ClientSampleId :

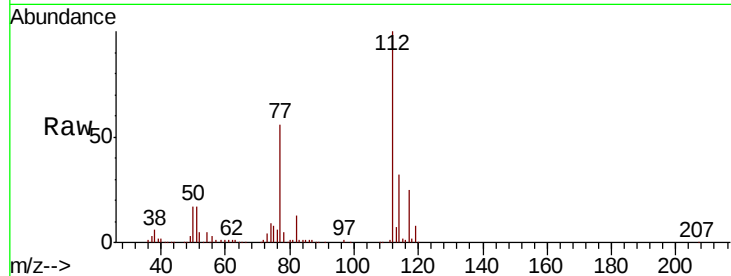
VN0907MBS01

Tot Ion:112 Resp: 373336

Ion Ratio Lower Upper

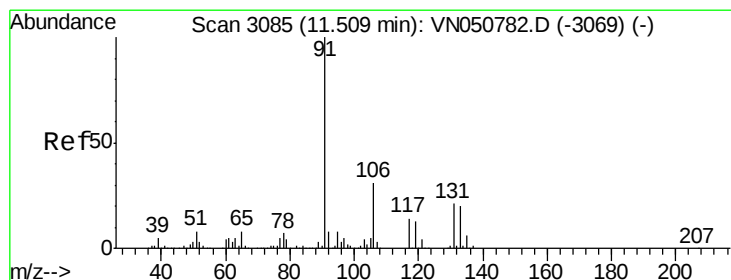
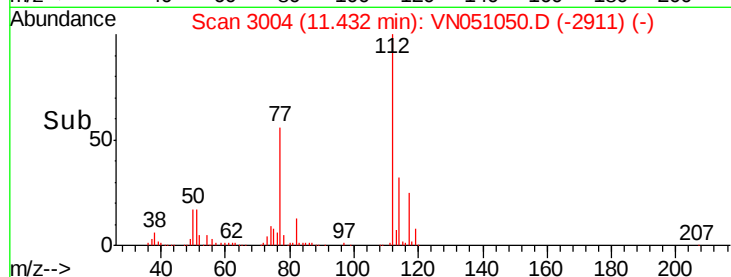
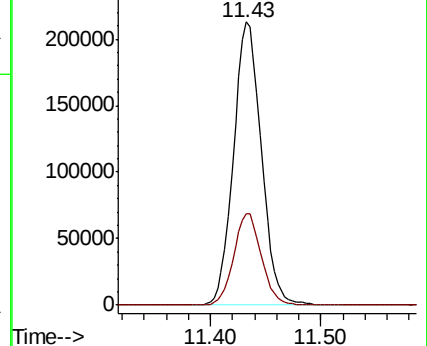
112 100

114 32.4 25.6 38.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.13 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN051050.D

Acq: 7 Sep 2018 13:47

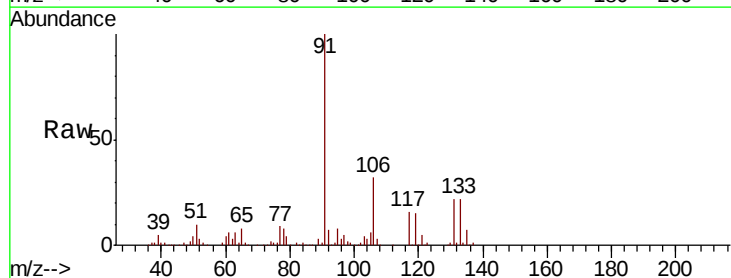
Tgt Ion:131 Resp: 140516

Ion Ratio Lower Upper

131 100

133 96.4 47.4 142.3

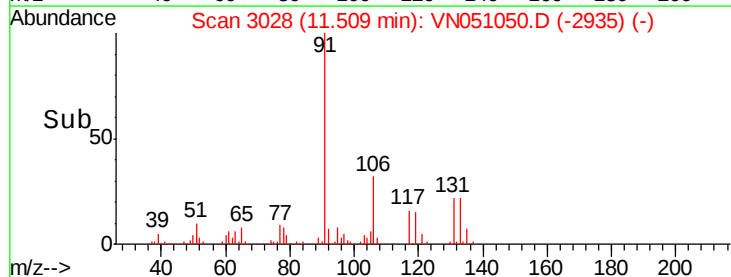
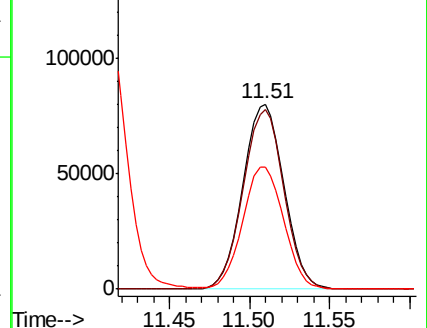
119 65.8 32.8 98.4

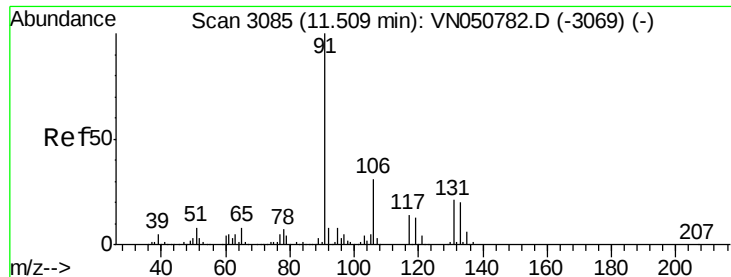


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 19.57 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN051050.D

Acq: 7 Sep 2018 13:47

Instrument :

MSVOA_N

ClientSampled :

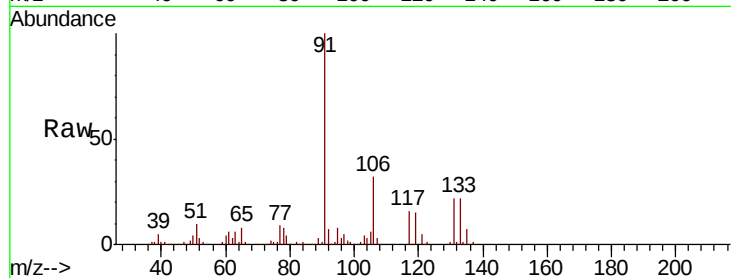
VN0907MBS01

Tot Ion: 91 Resp: 606982

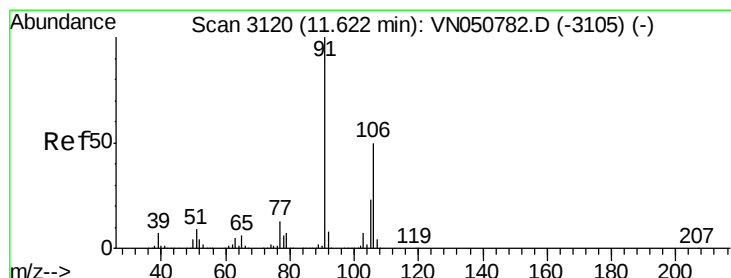
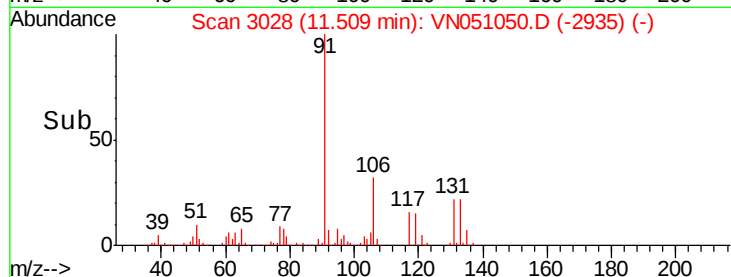
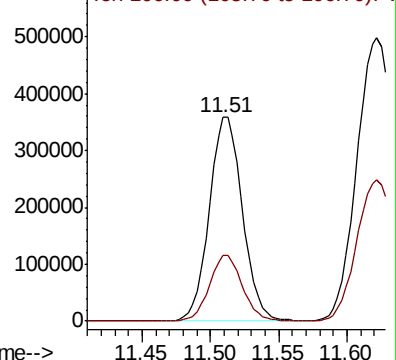
Ion Ratio Lower Upper

91 100

106 32.0 25.0 37.4



Abundance Ion 91.00 (90.70 to 91.70): VN050782.D (-3069) (-)



#68

m/p-Xylenes

Concen: 41.27 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN051050.D

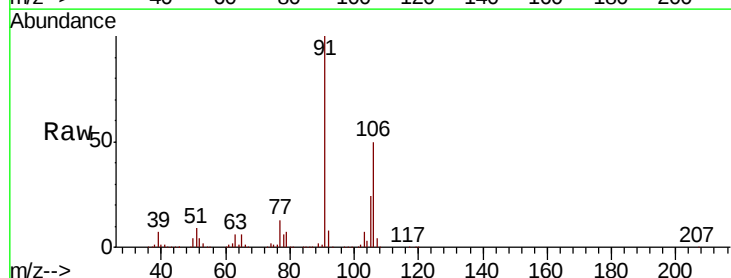
Acq: 7 Sep 2018 13:47

Tgt Ion: 106 Resp: 485922

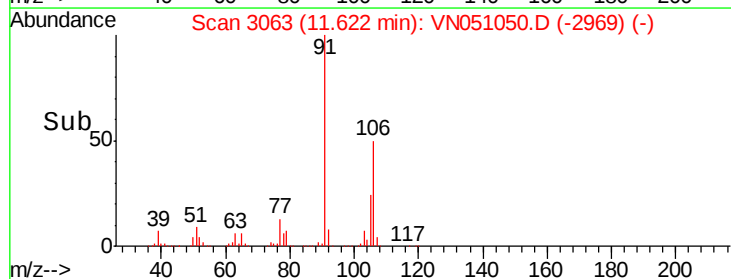
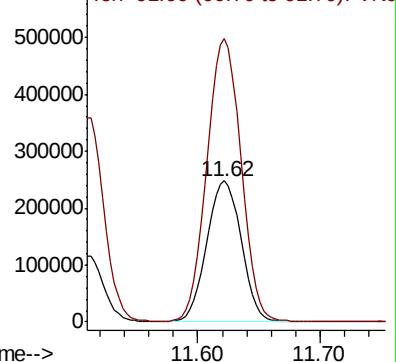
Ion Ratio Lower Upper

106 100

91 199.2 161.0 241.6



Abundance Ion 106.00 (105.70 to 106.70): VN050782.D (-3105) (-)

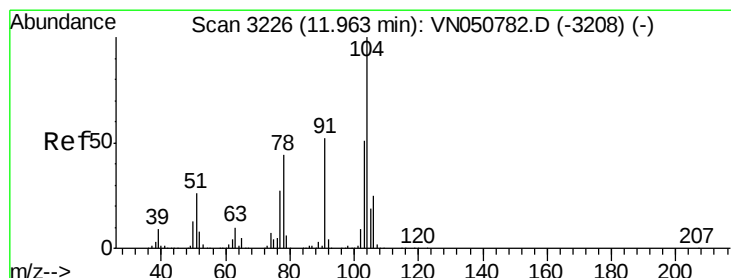
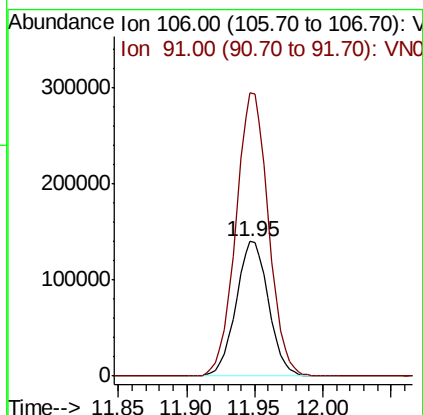
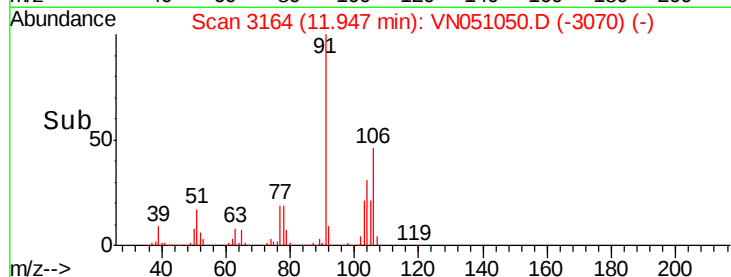
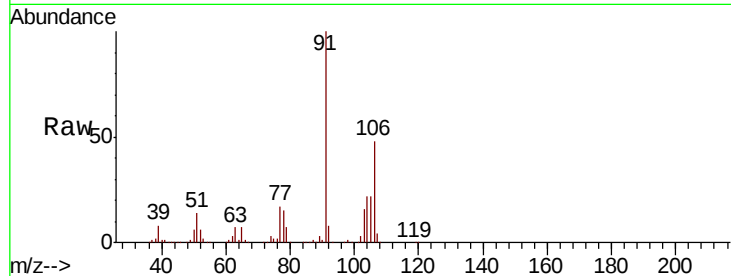




#69
o-Xylene
Concen: 20.51 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN051050.D
Acq: 7 Sep 2018 13:47

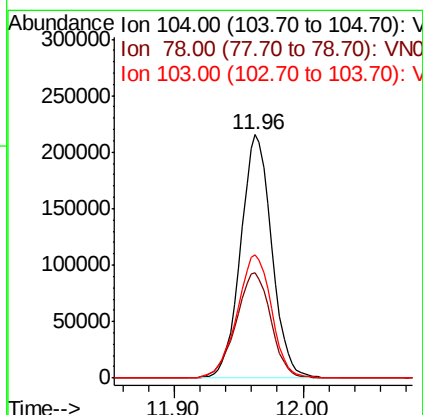
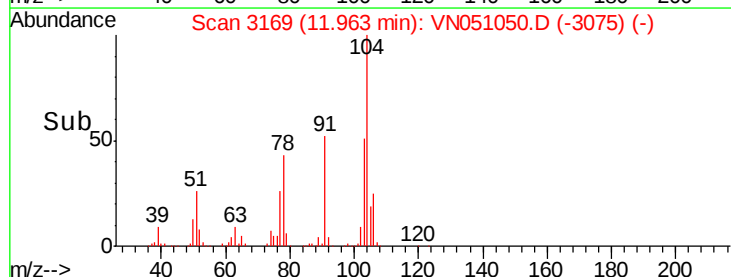
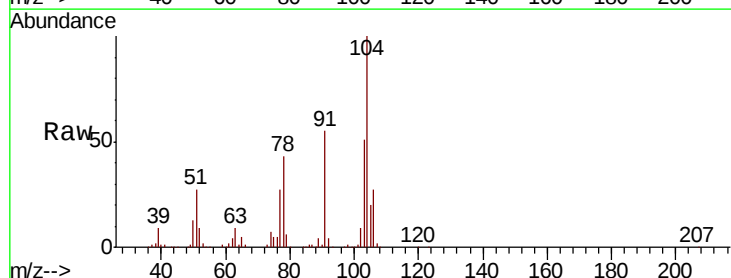
Instrument :
MSVOA_N
ClientSampleId :
VN0907MBS01

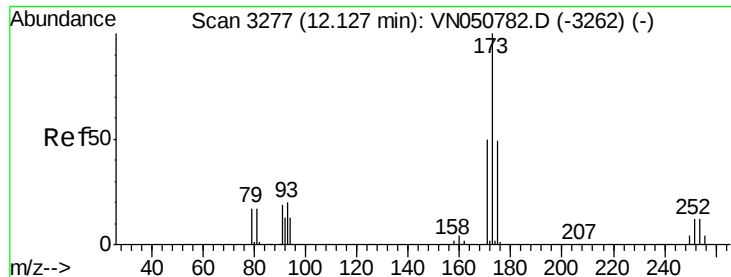
Tot Ion:106 Resp: 232154
Ion Ratio Lower Upper
106 100
91 210.2 106.5 319.5



#70
Styrene
Concen: 18.94 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN051050.D
Acq: 7 Sep 2018 13:47

Tgt Ion:104 Resp: 361605
Ion Ratio Lower Upper
104 100
78 48.6 38.2 57.4
103 56.3 44.4 66.6

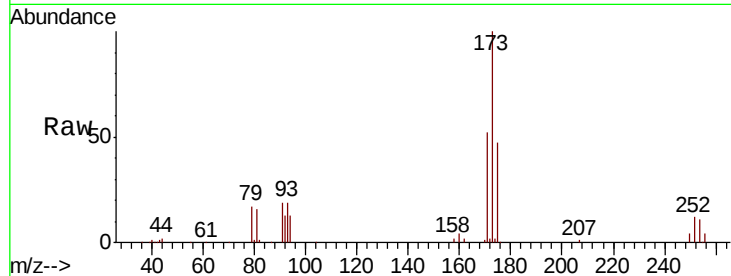




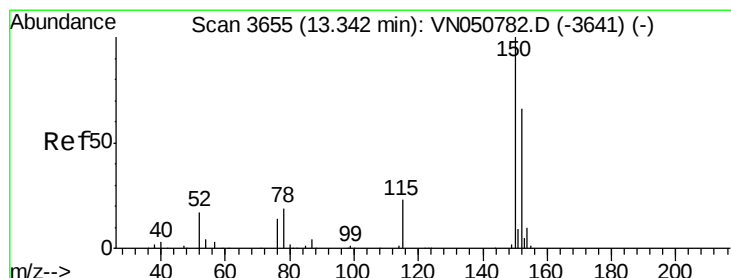
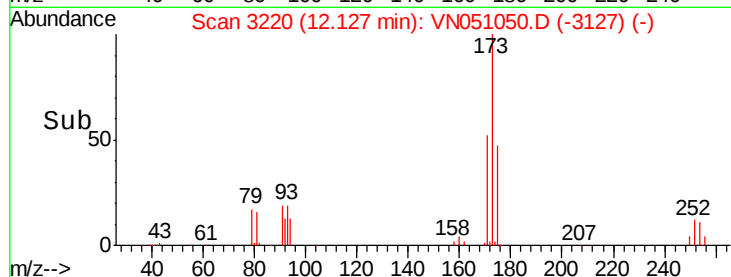
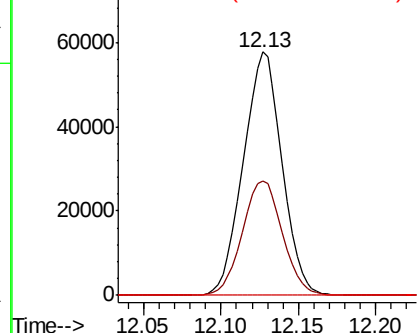
#71
Bromoform
Concen: 20.93 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN051050.D
Acq: 7 Sep 2018 13:47

Instrument :
MSVOA_N
ClientSampleId :
VN0907MBS01

Tot Ion:173 Resp: 100459
Ion Ratio Lower Upper
173 100
175 48.7 24.4 73.4
254 0.1 0.1 0.1#

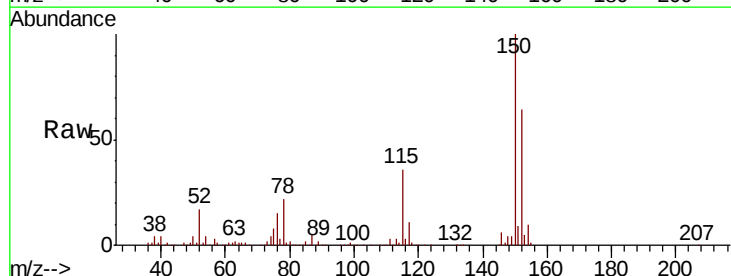


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

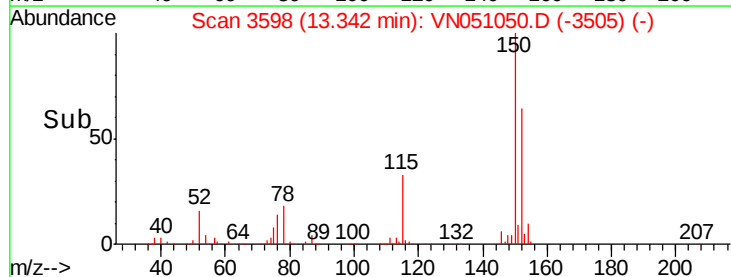
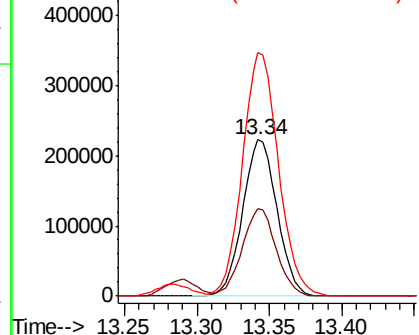


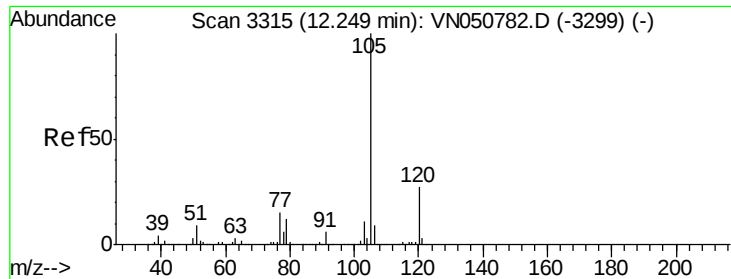
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN051050.D
Acq: 7 Sep 2018 13:47

Tgt Ion:152 Resp: 365878
Ion Ratio Lower Upper
152 100
115 55.6 27.8 83.4
150 163.7 0.0 351.4



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





#73

Isopropylbenzene

Concen: 20.04 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN051050.D

Acq: 7 Sep 2018 13:47

Instrument :

MSVOA_N

ClientSampleId :

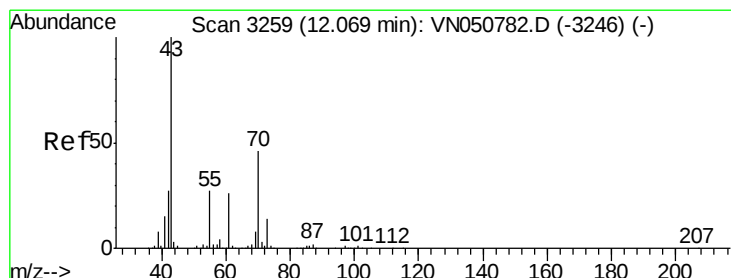
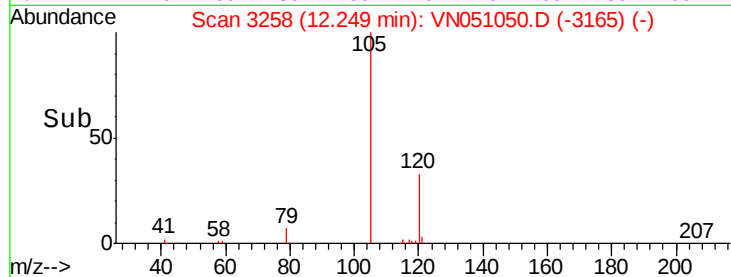
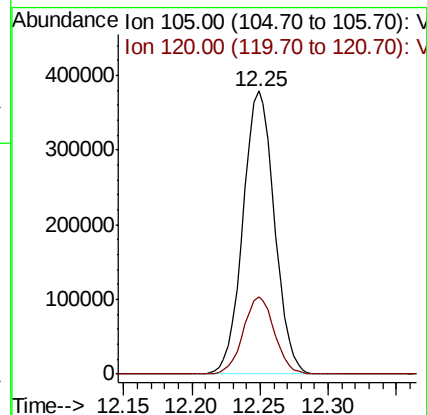
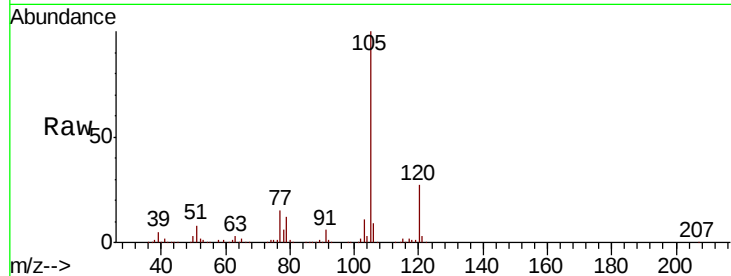
VN0907MBS01

Tot Ion:105 Resp: 607026

Ion Ratio Lower Upper

105 100

120 27.1 13.5 40.4



#74

N-ethyl acetate

Concen: 20.61 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN051050.D

Acq: 7 Sep 2018 13:47

Tgt Ion: 43 Resp: 156927

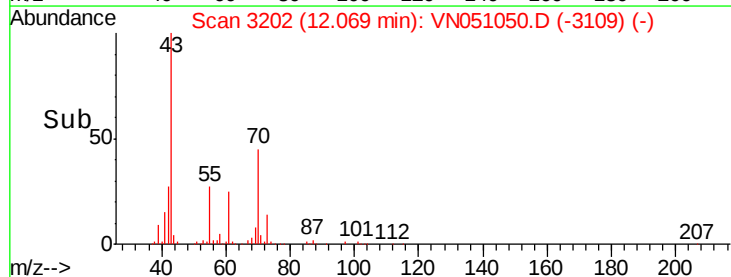
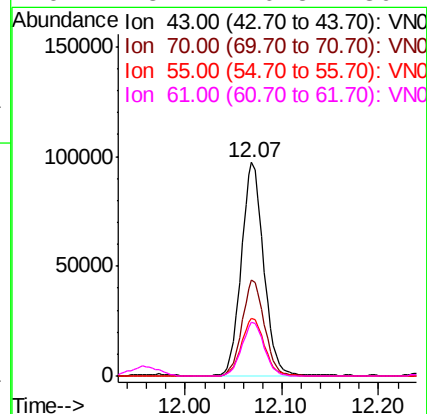
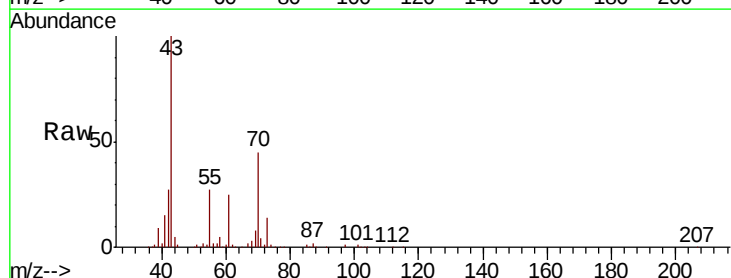
Ion Ratio Lower Upper

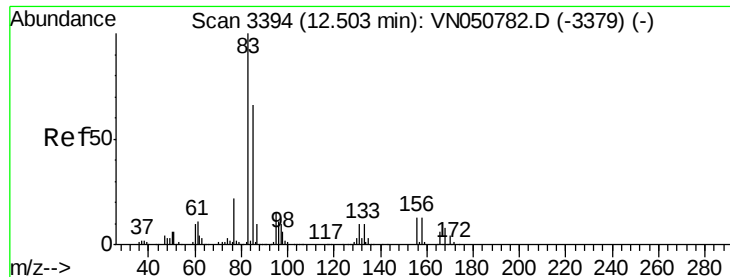
43 100

70 44.7 36.2 54.2

55 27.7 21.8 32.8

61 25.1 20.5 30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 22.14 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN051050.D

Acq: 7 Sep 2018 13:47

Instrument :

MSVOA_N

ClientSampled :

VN0907MBS01

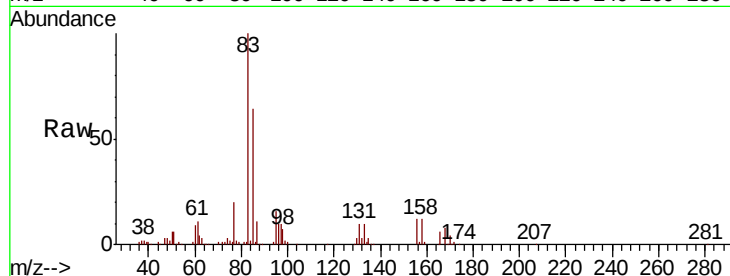
Tot Ion: 83 Resp: 166511

Ion Ratio Lower Upper

83 100

131 10.5 5.3 15.9

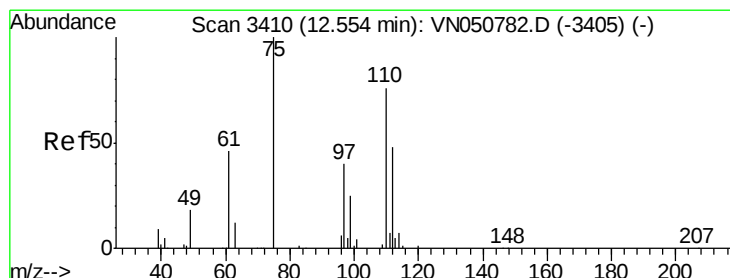
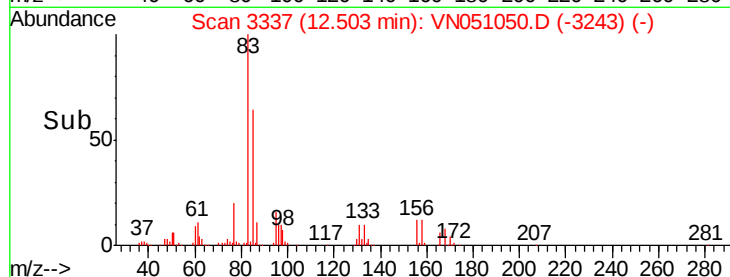
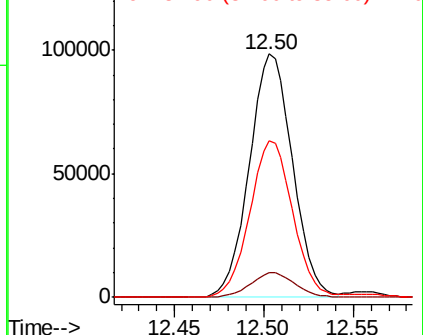
85 63.8 31.9 95.7



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 29.56 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN051050.D

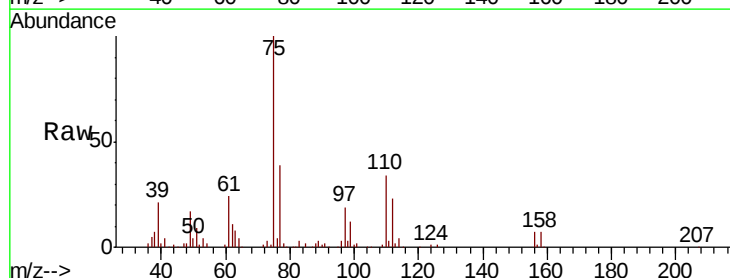
Acq: 7 Sep 2018 13:47

Tgt Ion: 75 Resp: 189401

Ion Ratio Lower Upper

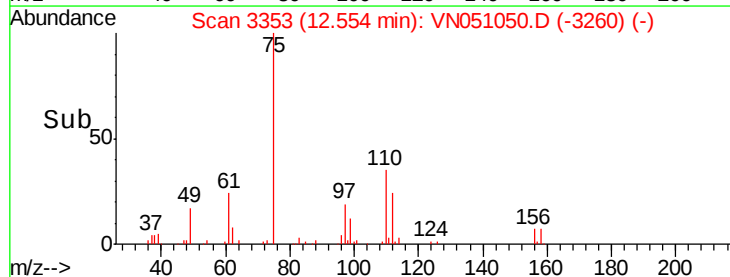
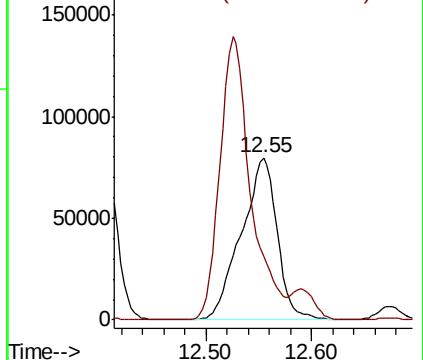
75 100

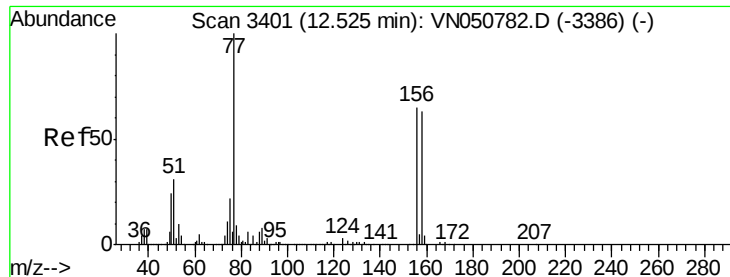
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 19.23 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN051050.D

Acq: 7 Sep 2018 13:47

Instrument :

MSVOA_N

ClientSampleId :

VN0907MBS01

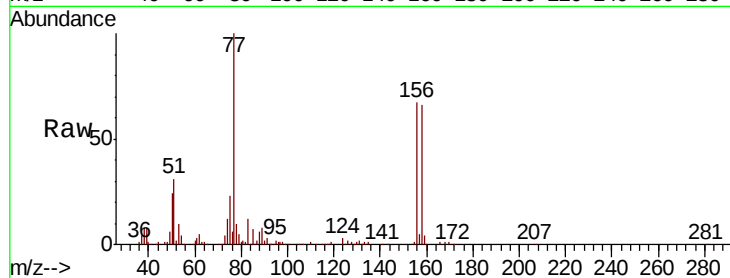
Tot Ion:156 Resp: 158348

Ion Ratio Lower Upper

156 100

77 178.5 89.9 269.7

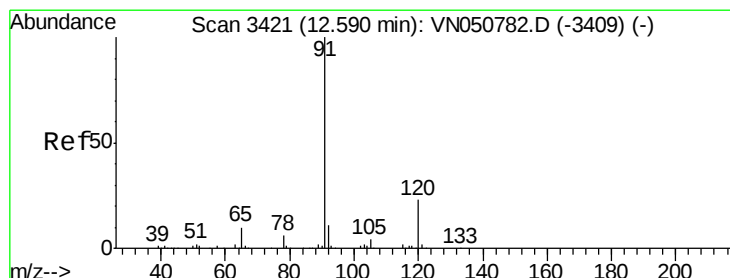
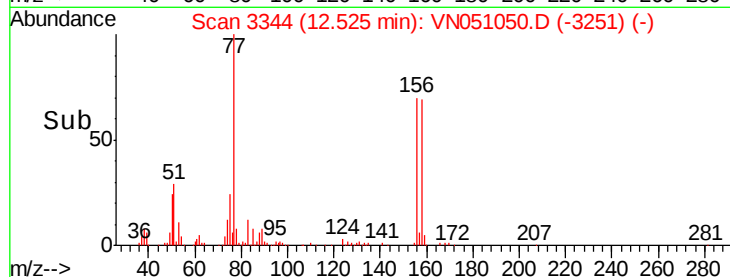
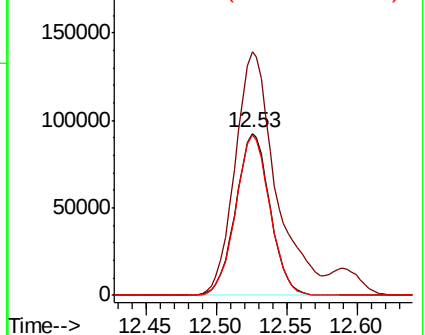
158 98.5 49.3 147.9



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.80 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN051050.D

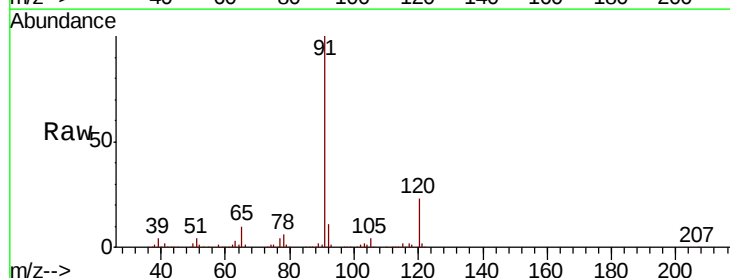
Acq: 7 Sep 2018 13:47

Tgt Ion: 91 Resp: 670132

Ion Ratio Lower Upper

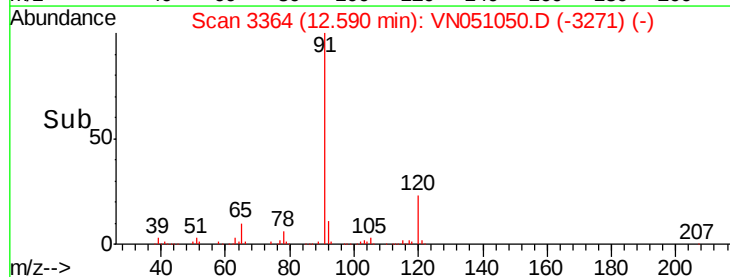
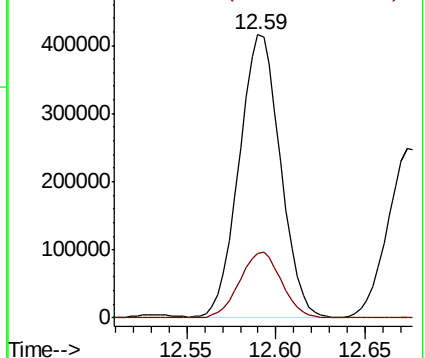
91 100

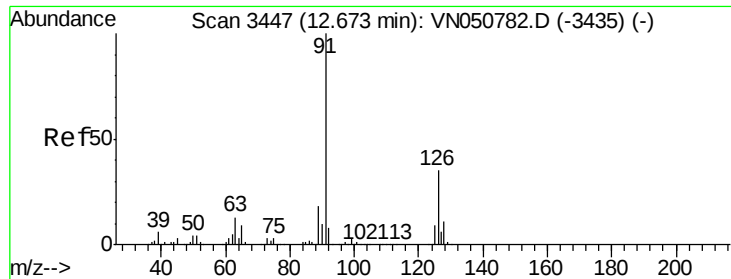
120 23.6 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.69 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN051050.D

Acq: 7 Sep 2018 13:47

Instrument :

MSVOA_N

ClientSampleId :

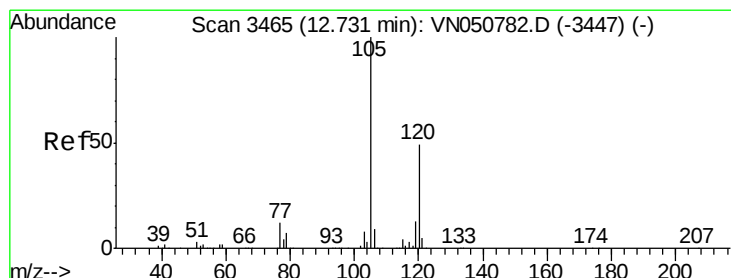
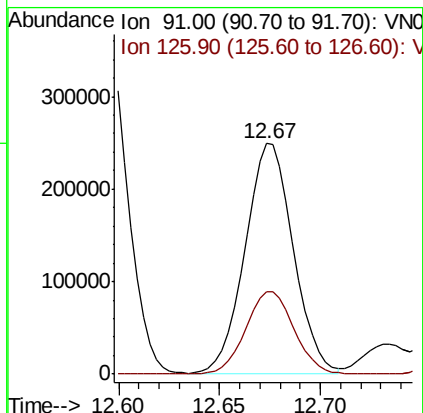
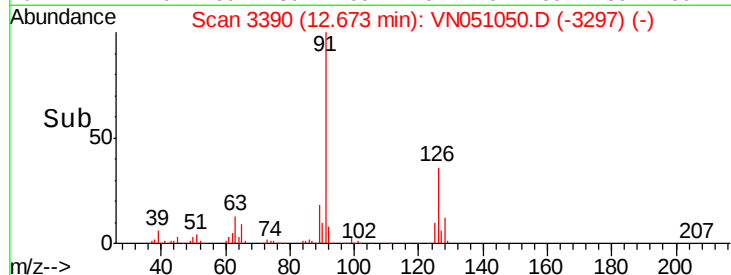
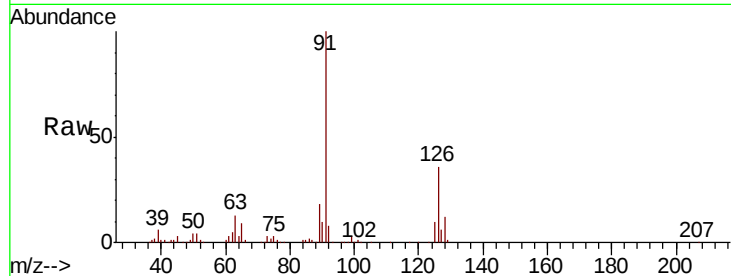
VN0907MBS01

Tot Ion: 91 Resp: 415028

Ion Ratio Lower Upper

91 100

126 36.1 17.8 53.3



#80

1,3,5-Trimethylbenzene

Concen: 20.50 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN051050.D

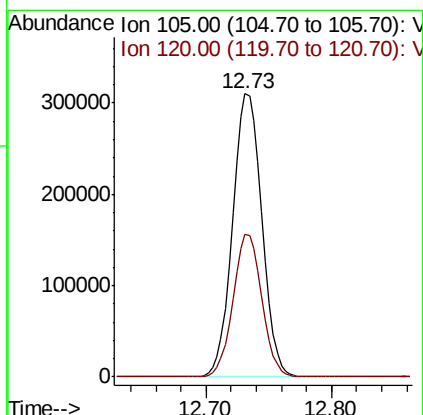
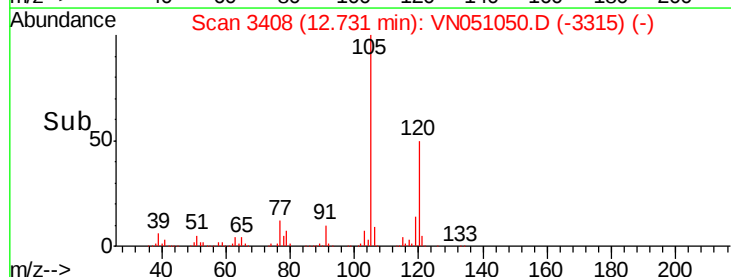
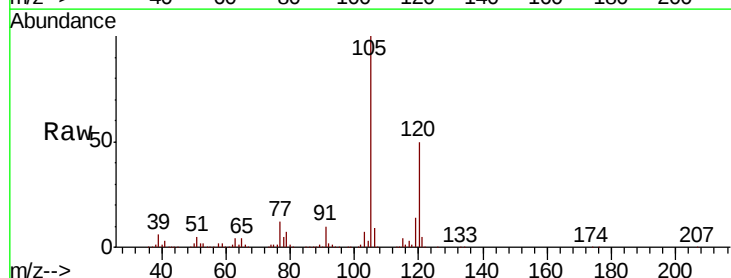
Acq: 7 Sep 2018 13:47

Tgt Ion: 105 Resp: 501102

Ion Ratio Lower Upper

105 100

120 49.5 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 20.22 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN051050.D

Acq: 7 Sep 2018 13:47

Instrument :

MSVOA_N

ClientSampled :

VN0907MBS01

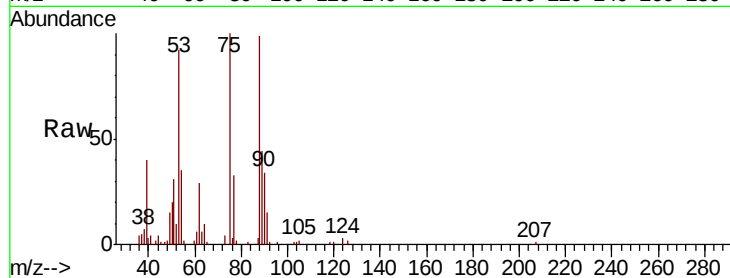
Tot Ion: 75 Resp: 38336

Ion Ratio Lower Upper

75 100

53 92.0 68.9 103.3

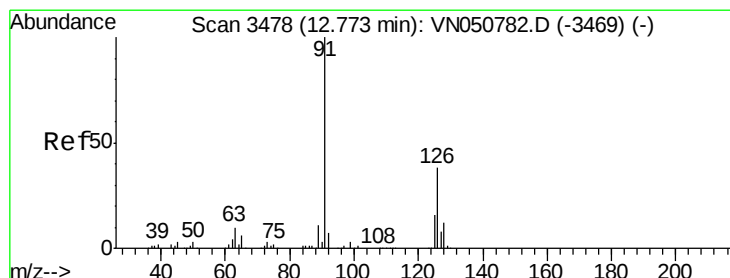
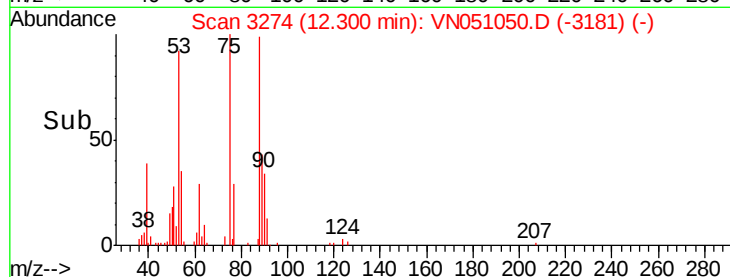
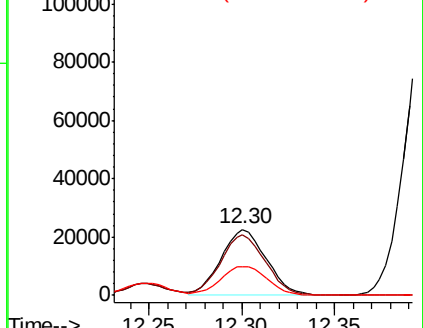
89 44.9 36.1 54.1



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 19.63 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN051050.D

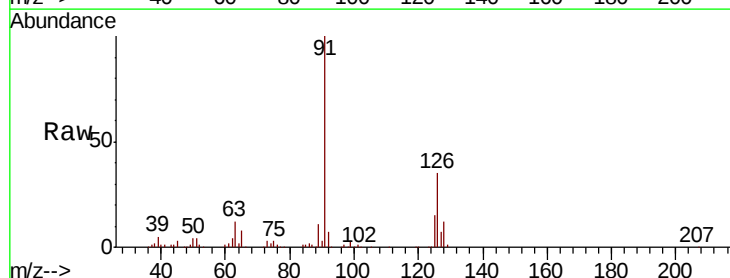
Acq: 7 Sep 2018 13:47

Tgt Ion: 91 Resp: 408553

Ion Ratio Lower Upper

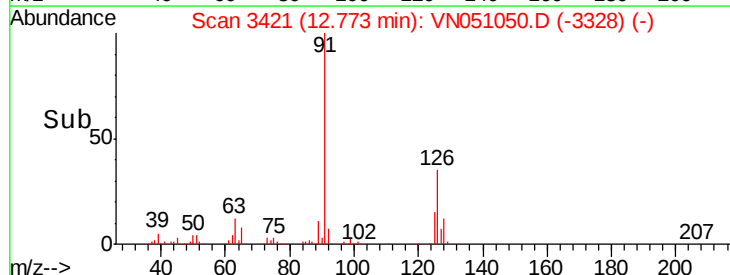
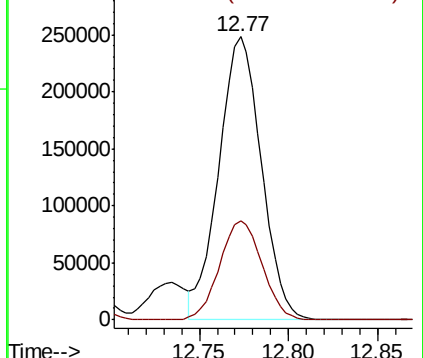
91 100

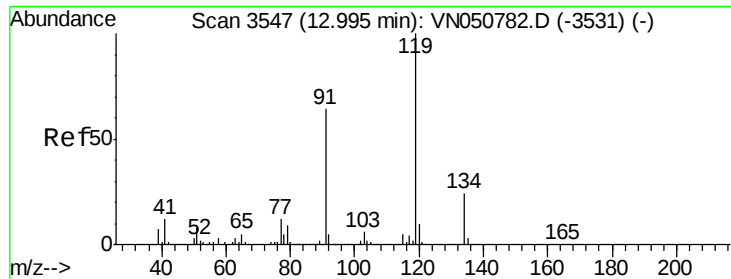
126 35.1 17.5 52.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

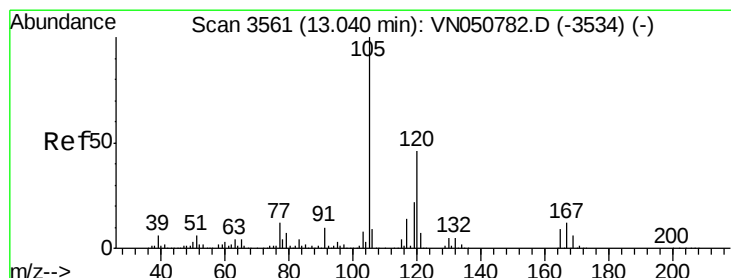
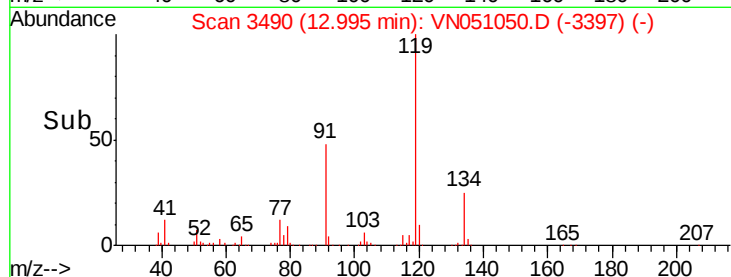
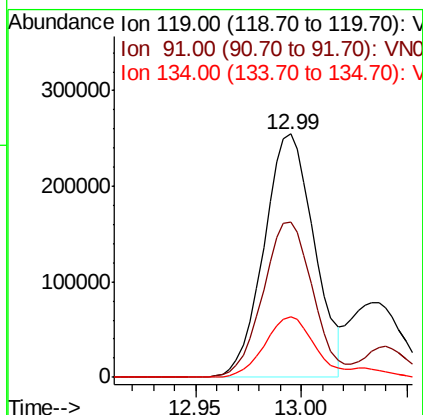
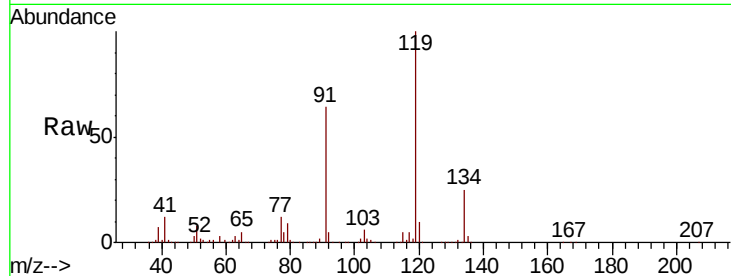




#83
 tert-Butylbenzene
 Concen: 19.96 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN051050.D
 Acq: 7 Sep 2018 13:47

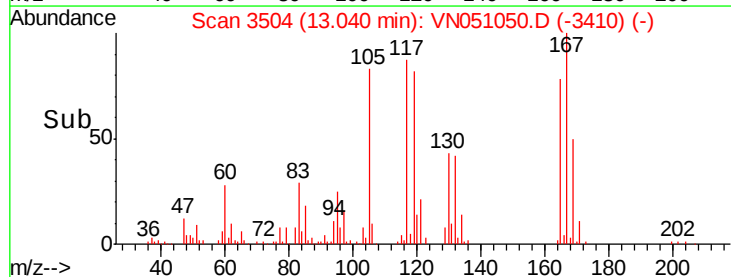
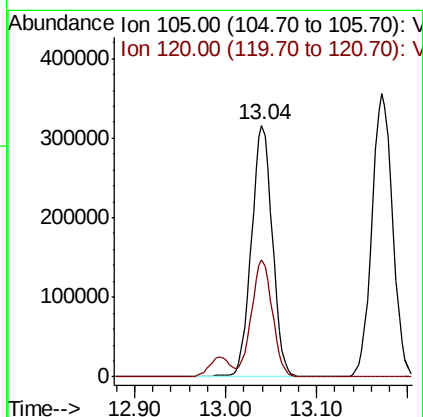
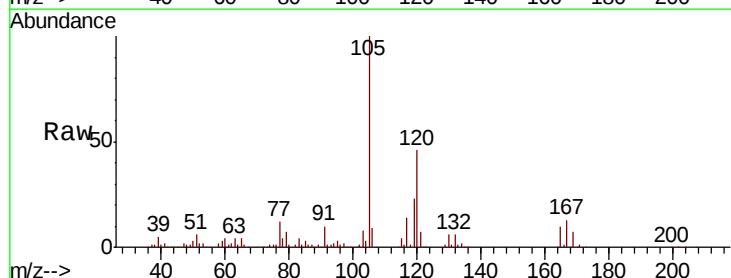
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0907MBS01

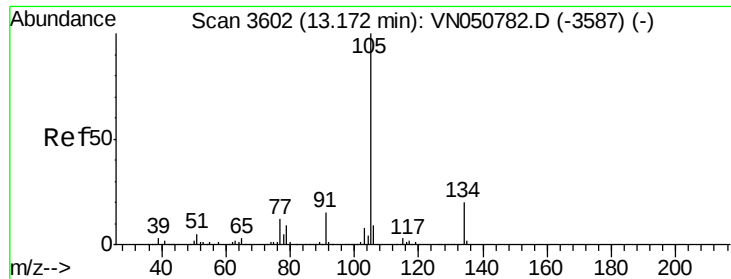
Tot Ion:119 Resp: 422614
 Ion Ratio Lower Upper
 119 100
 91 63.1 31.6 94.7
 134 25.0 13.4 40.1



#84
 1,2,4-Trimethylbenzene
 Concen: 20.58 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN051050.D
 Acq: 7 Sep 2018 13:47

Tgt Ion:105 Resp: 506134
 Ion Ratio Lower Upper
 105 100
 120 46.3 22.9 68.8





#85

sec-Butylbenzene

Concen: 20.17 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN051050.D

Acq: 7 Sep 2018 13:47

Instrument :

MSVOA_N

ClientSampleId :

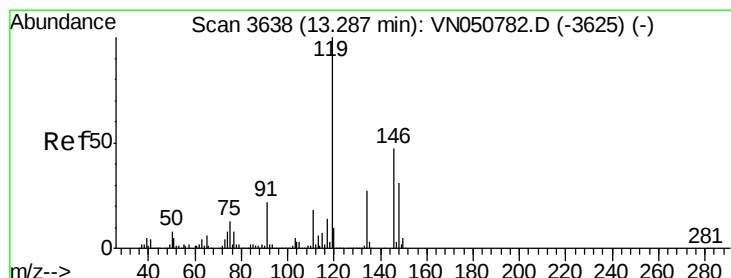
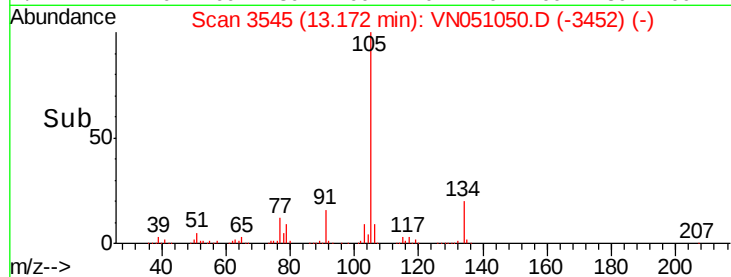
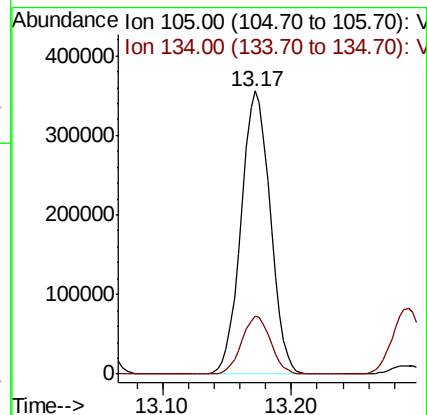
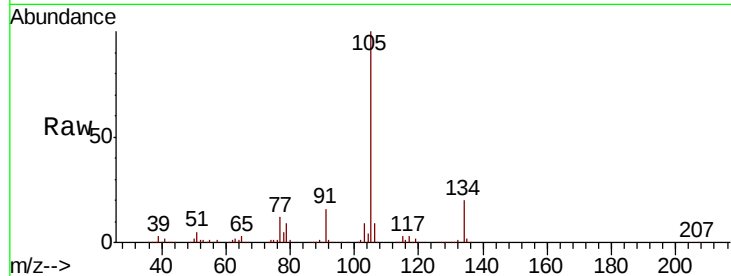
VN0907MBS01

Tot Ion:105 Resp: 559617

Ion Ratio Lower Upper

105 100

134 20.4 10.3 30.8



#86

p-Isopropyltoluene

Concen: 20.39 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN051050.D

Acq: 7 Sep 2018 13:47

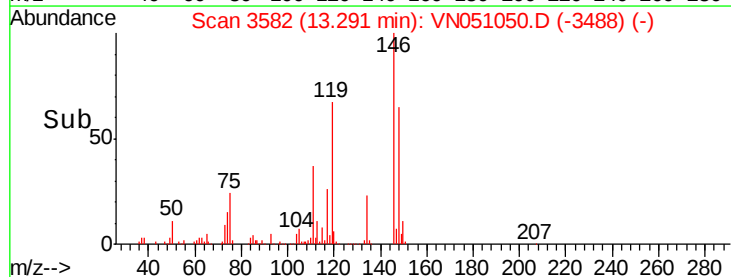
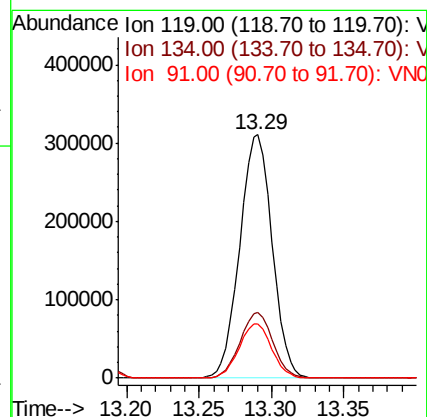
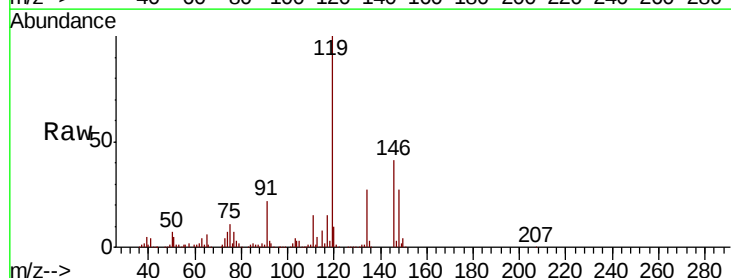
Tgt Ion:119 Resp: 481875

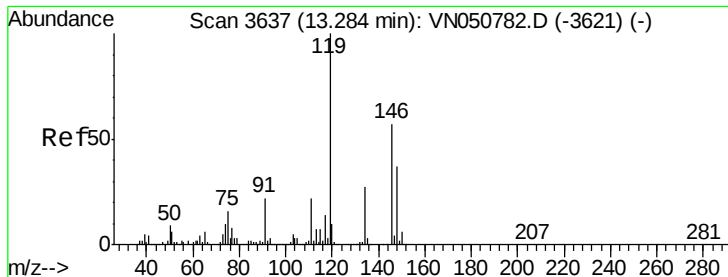
Ion Ratio Lower Upper

119 100

134 27.3 13.7 41.0

91 22.4 11.2 33.5





#87

1,3-Dichlorobenzene

Concen: 19.25 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN051050.D

Acq: 7 Sep 2018 13:47

Instrument :

MSVOA_N

ClientSampleId :

VN0907MBS01

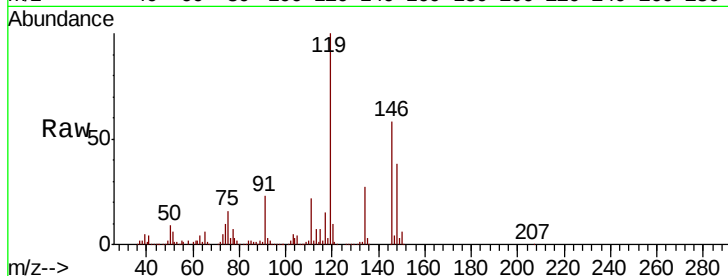
Tot Ion:146 Resp: 268912

Ion Ratio Lower Upper

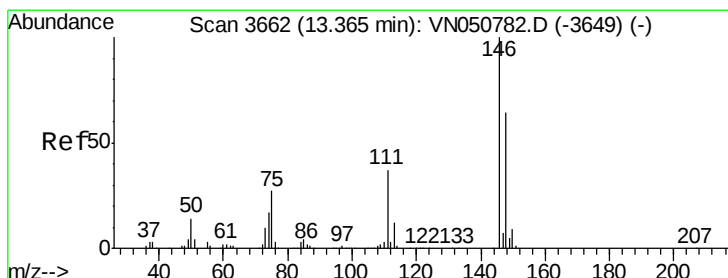
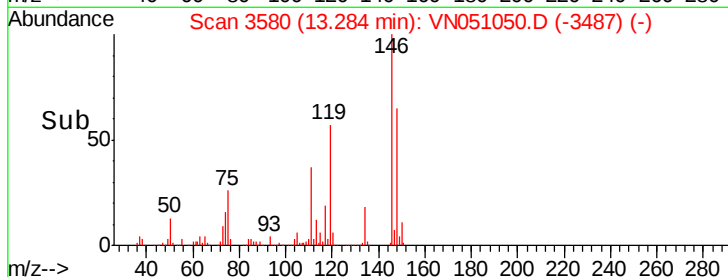
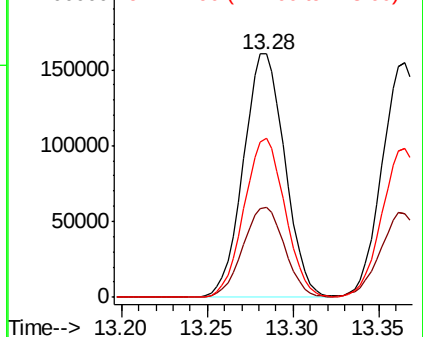
146 100

111 37.0 19.1 57.3

148 64.4 32.2 96.6



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



#88

1,4-Dichlorobenzene

Concen: 18.87 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN051050.D

Acq: 7 Sep 2018 13:47

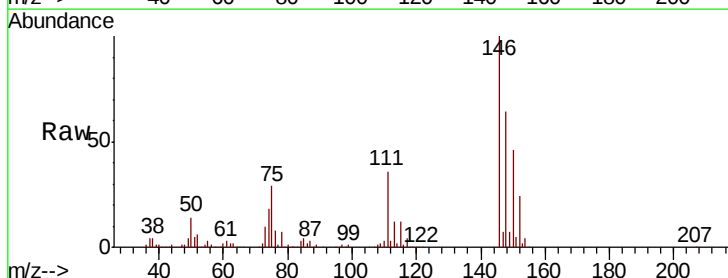
Tgt Ion:146 Resp: 259544

Ion Ratio Lower Upper

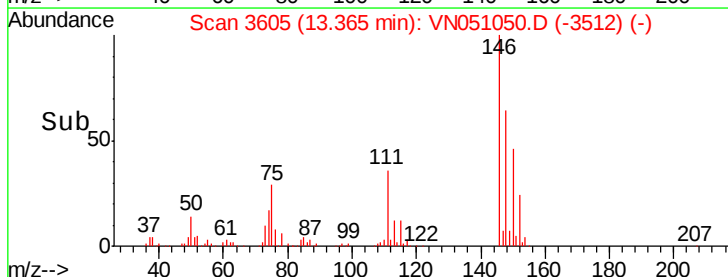
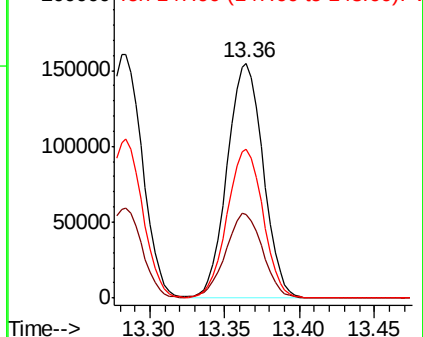
146 100

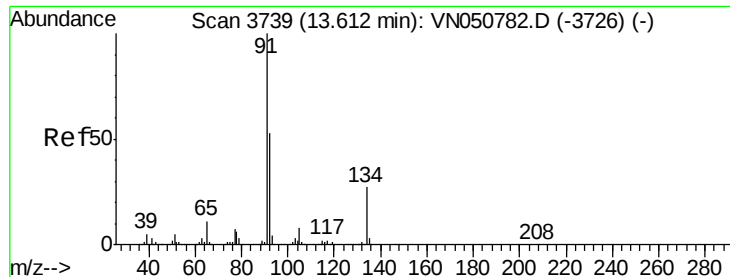
111 37.4 18.8 56.3

148 63.3 32.2 96.6



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





#89

n-Butylbenzene

Concen: 18.36 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN051050.D

Acq: 7 Sep 2018 13:47

Instrument :

MSVOA_N

ClientSampleId :

VN0907MBS01

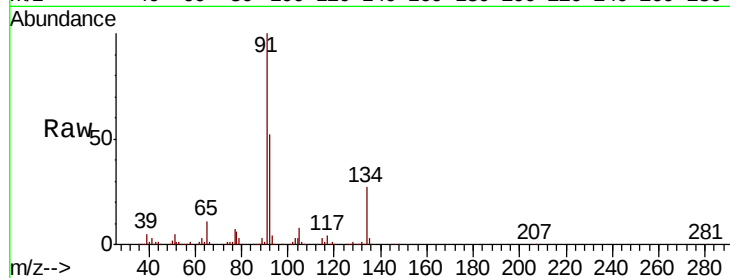
Tot Ion: 91 Resp: 347104

Ion Ratio Lower Upper

91 100

92 51.4 26.1 78.2

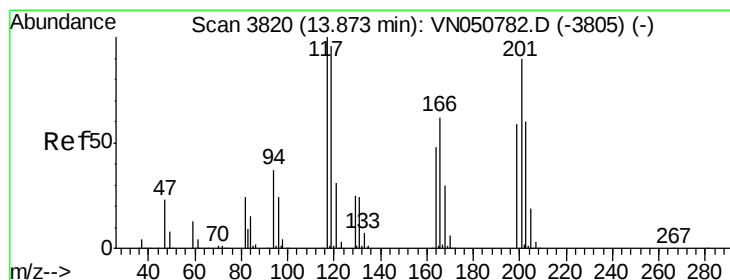
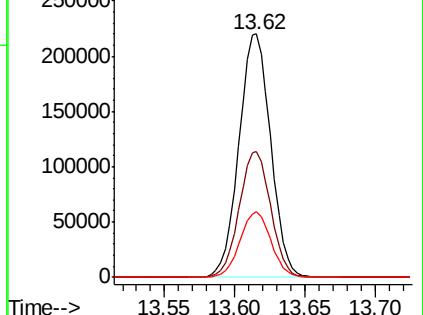
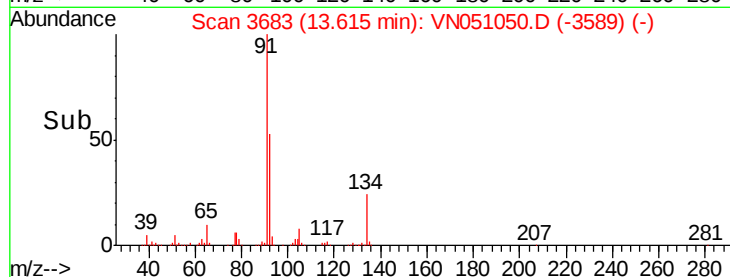
134 26.3 13.2 39.6



Abundance Ion 91.00 (90.70 to 91.70): VN051050.D (-3683) (-)

Ion 92.00 (91.70 to 92.70): VN051050.D (-3683) (-)

Ion 134.00 (133.70 to 134.70): VN051050.D (-3683) (-)



#90

Hexachloroethane

Concen: 20.53 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN051050.D

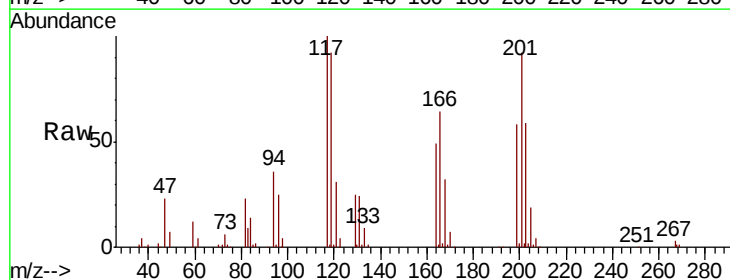
Acq: 7 Sep 2018 13:47

Tgt Ion: 117 Resp: 92005

Ion Ratio Lower Upper

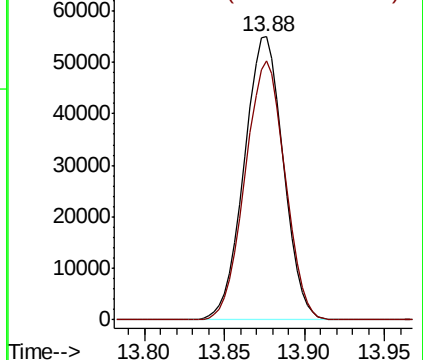
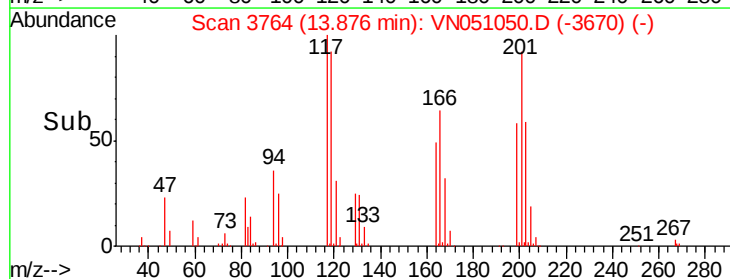
117 100

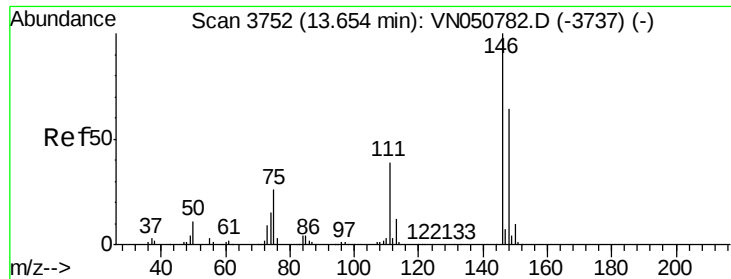
201 93.0 46.0 137.8



Abundance Ion 116.80 (116.50 to 117.50): VN051050.D (-3764) (-)

Ion 200.70 (200.40 to 201.40): VN051050.D (-3764) (-)





#91

1,2-Dichlorobenzene

Concen: 19.55 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN051050.D

Acq: 7 Sep 2018 13:47

Instrument :

MSVOA_N

ClientSampleId :

VN0907MBS01

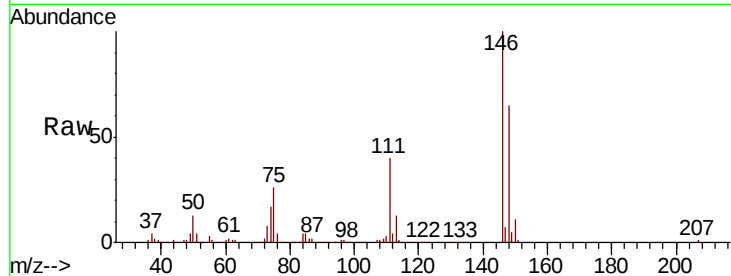
Tot Ion:146 Resp: 263529

Ion Ratio Lower Upper

146 100

111 39.7 19.8 59.3

148 64.6 32.3 96.8

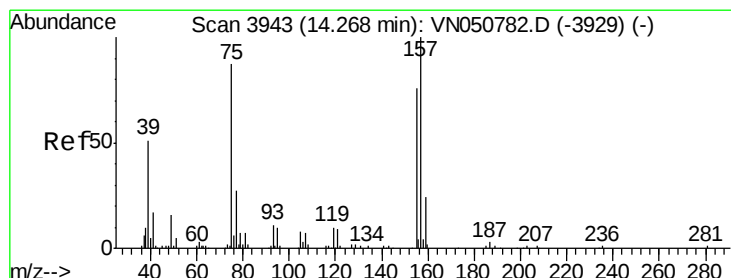
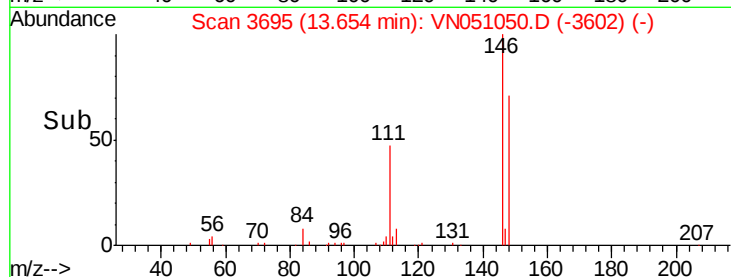
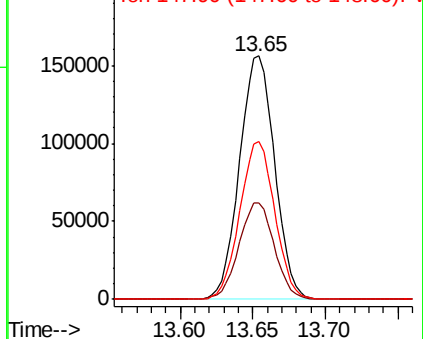


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.56 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN051050.D

Acq: 7 Sep 2018 13:47

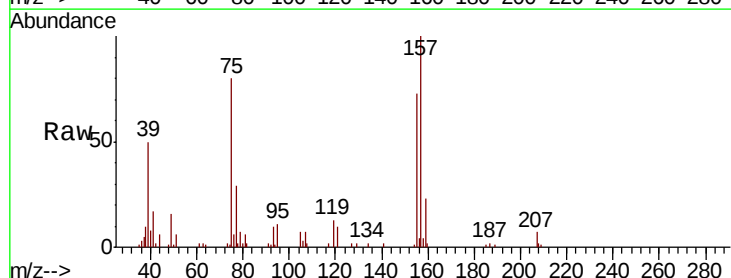
Tgt Ion: 75 Resp: 22370

Ion Ratio Lower Upper

75 100

155 93.6 46.4 139.1

157 122.4 60.7 182.0

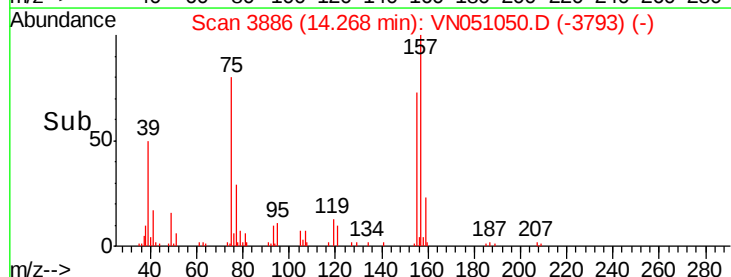
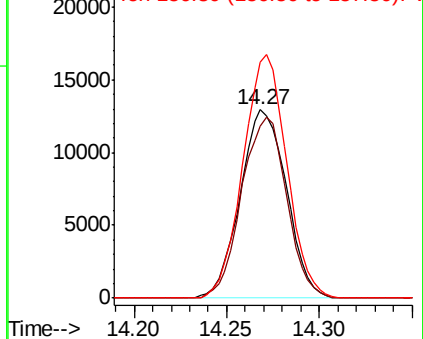


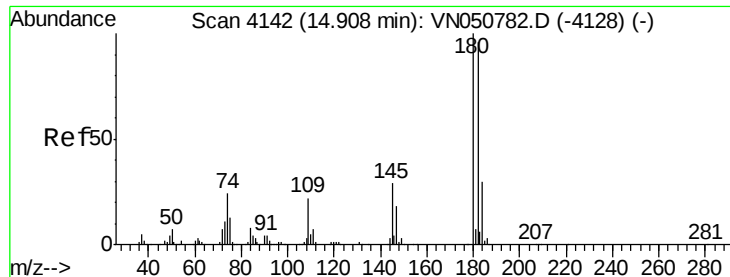
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

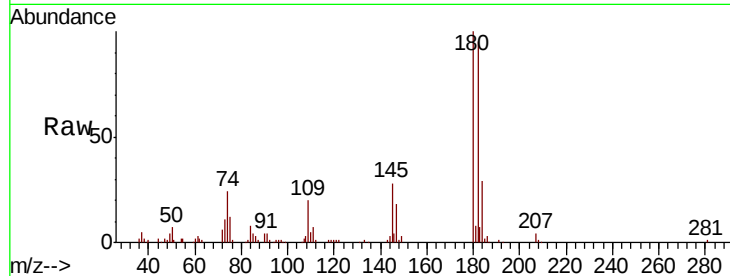




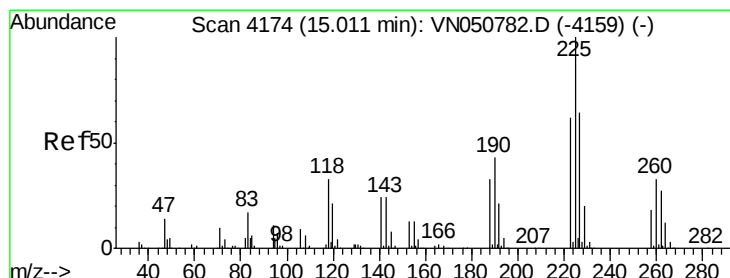
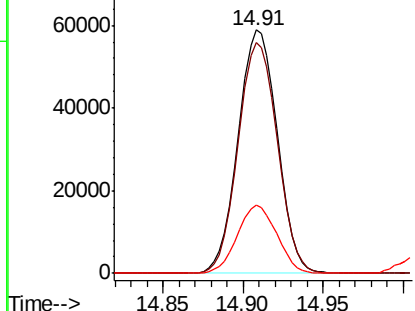
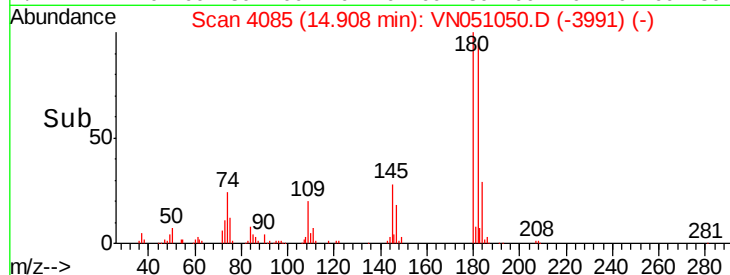
#93
 1,2,4-Trichlorobenzene
 Concen: 16.95 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN051050.D
 Acq: 7 Sep 2018 13:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0907MBS01

Tot Ion:180 Resp: 98281
 Ion Ratio Lower Upper
 180 100
 182 95.2 48.2 144.6
 145 28.3 14.1 42.2

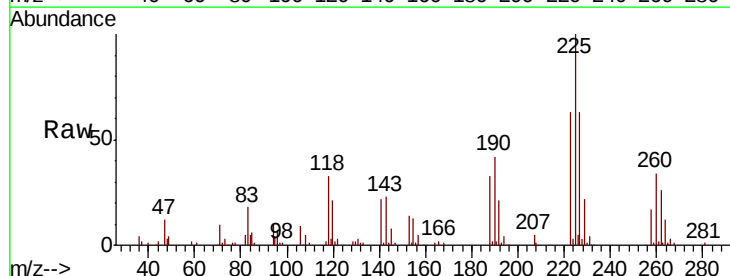


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

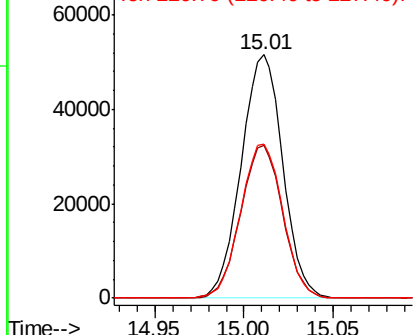
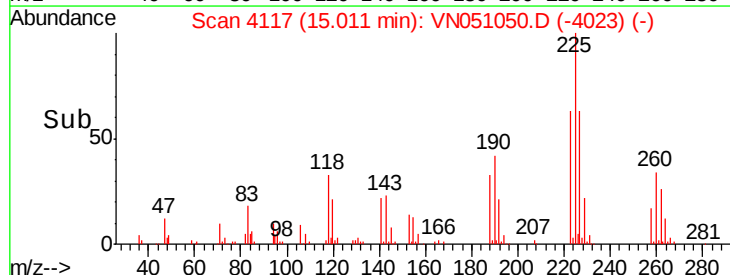


#94
 Hexachlorobutadiene
 Concen: 20.35 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN051050.D
 Acq: 7 Sep 2018 13:47

Tgt Ion:225 Resp: 83978
 Ion Ratio Lower Upper
 225 100
 223 63.1 31.3 93.8
 227 64.3 32.0 96.2



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 16.73 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN051050.D

Acq: 7 Sep 2018 13:47

Instrument :

MSVOA_N

ClientSampleId :

VN0907MBS01

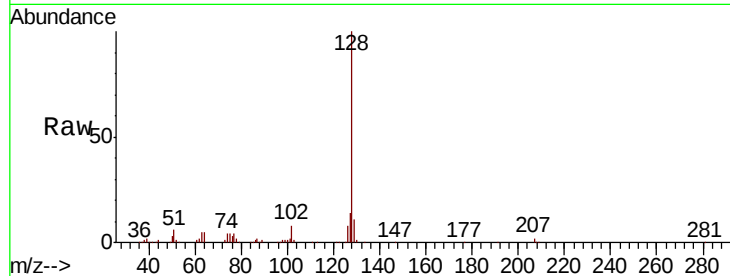
Tot Ion:128 Resp: 185607

Ion Ratio Lower Upper

128 100

127 13.8 10.5 15.7

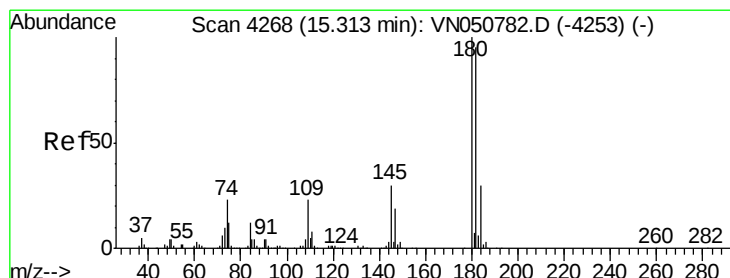
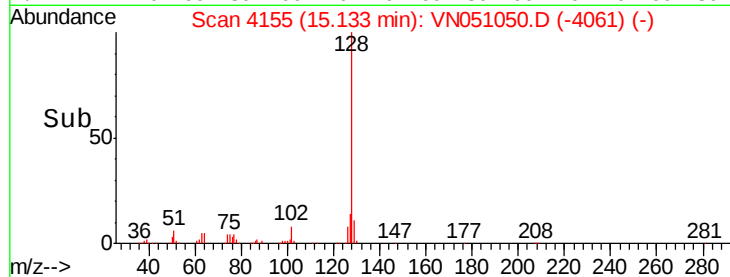
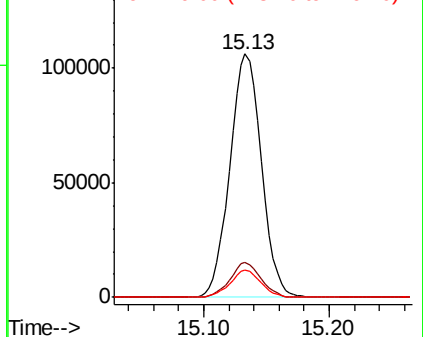
129 10.7 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 18.01 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN051050.D

Acq: 7 Sep 2018 13:47

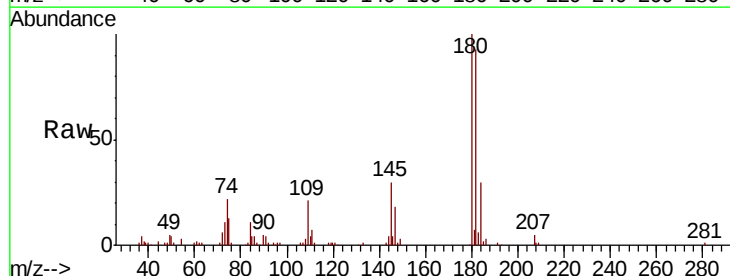
Tgt Ion:180 Resp: 103517

Ion Ratio Lower Upper

180 100

182 96.0 48.0 144.2

145 29.8 15.2 45.6



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

