

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN083018\
 Data File : VN050956.D
 Acq On : 30 Aug 2018 12:32
 Operator : MD\SY
 Sample : VN0830WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0830WBSD01

Quant Time: Aug 31 01:34:30 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	569003	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	826333	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	745795	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	362258	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	349488	51.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.04%	
35) Dibromofluoromethane	7.59	113	334379	50.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.72%	
50) Toluene-d8	10.09	98	1229025	50.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.00%	
62) 4-Bromofluorobenzene	12.40	95	398483	48.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	144044	18.92	ug/l	99
3) Chloromethane	2.06	50	164264	17.49	ug/l	100
4) Vinyl Chloride	2.18	62	165286	18.58	ug/l	98
5) Bromomethane	2.56	94	92560	17.61	ug/l	99
6) Chloroethane	2.70	64	94989	18.48	ug/l	98
7) Trichlorofluoromethane	3.01	101	218021	19.14	ug/l	99
8) Diethyl Ether	3.41	74	75029	19.37	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	134349	18.88	ug/l	99
10) Methyl Iodide	3.95	142	99885	20.30	ug/l	100
11) Tert butyl alcohol	4.79	59	49264	112.94	ug/l	99
12) 1,1-Dichloroethene	3.73	96	119629	18.72	ug/l	98
13) Acrolein	3.61	56	14844	72.01	ug/l	99
14) Allyl chloride	4.32	41	182243	18.30	ug/l	99
15) Acrylonitrile	5.00	53	235243	106.12	ug/l	99
16) Acetone	3.82	43	168773	99.80	ug/l	98
17) Carbon Disulfide	4.05	76	347250	16.21	ug/l	100
18) Methyl Acetate	4.33	43	149359	23.09	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	331104	20.60	ug/l	99
20) Methylene Chloride	4.55	84	144038	18.66	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	127912	18.51	ug/l	95
22) Diisopropyl ether	5.96	45	405054	20.41	ug/l	97
23) Vinyl Acetate	5.90	43	1234412	96.58	ug/l	100
24) 1,1-Dichloroethane	5.85	63	244122	19.16	ug/l	99
25) 2-Butanone	6.84	43	253675	91.89	ug/l	100
26) 2,2-Dichloropropane	6.83	77	187870	18.35	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	143859	19.30	ug/l	99
28) Bromochloromethane	7.20	49	103302	19.08	ug/l	98
29) Tetrahydrofuran	7.22	42	170138	107.50	ug/l	98
30) Chloroform	7.37	83	248874	19.73	ug/l	98
31) Cyclohexane	7.66	56	206090	18.10	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	206244	19.03	ug/l	99
36) 1,1-Dichloropropene	7.80	75	177770	18.23	ug/l	99
37) Ethyl Acetate	6.93	43	113924	20.34	ug/l	98
38) Carbon Tetrachloride	7.77	117	185097	18.78	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	182020	17.25	ug/l	97
40) Benzene	8.04	78	562913	19.14	ug/l	100
41) Methacrylonitrile	7.18	41	59304	19.56	ug/l	97
42) 1,2-Dichloroethane	8.13	62	170313	19.37	ug/l	100
43) Isopropyl Acetate	8.17	43	201821	20.96	ug/l	99
44) Trichloroethene	8.84	130	143639	18.52	ug/l	100
45) 1,2-Dichloropropane	9.12	63	148036	19.16	ug/l	100
46) Dibromomethane	9.21	93	88984	19.60	ug/l	98
47) Bromodichloromethane	9.40	83	185946	19.55	ug/l	100
48) Methyl methacrylate	9.20	41	100801	20.54	ug/l	99
49) 1,4-Dioxane	9.20	88	29209	436.54	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	587126	102.16	ug/l	100
52) Toluene	10.16	92	345962	19.86	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	177033	18.70	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	208711	19.25	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	128788	19.92	ug/l	99
56) Ethyl methacrylate	10.43	69	146302	18.93	ug/l	99
57) 1,3-Dichloropropane	10.71	76	213222	19.98	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	311182	92.87	ug/l	99
59) 2-Hexanone	10.75	43	376754	98.47	ug/l	98
60) Dibromochloromethane	10.90	129	145301	20.07	ug/l	99
61) 1,2-Dibromoethane	11.01	107	123765	19.80	ug/l	99
64) Tetrachloroethene	10.63	164	131250	18.53	ug/l	98
65) Chlorobenzene	11.44	112	373709	19.17	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	141094	19.78	ug/l	100
67) Ethyl Benzene	11.51	91	600618	18.95	ug/l	99
68) m/p-Xylenes	11.62	106	480942	39.98	ug/l	99
69) o-Xylene	11.95	106	227213	19.65	ug/l	100
70) Styrene	11.96	104	362435	18.60	ug/l	99
71) Bromoform	12.13	173	101422	20.68	ug/l #	98
73) Isopropylbenzene	12.25	105	603907	20.13	ug/l	100
74) N-amyl acetate	12.07	43	149291	19.81	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	163534	21.95	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	188922	29.78	ug/l #	100
77) Bromobenzene	12.53	156	156743	19.23	ug/l	99
78) n-propylbenzene	12.59	91	667085	19.91	ug/l	100
79) 2-Chlorotoluene	12.68	91	414783	19.87	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	491096	20.29	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	38095	20.30	ug/l	98
82) 4-Chlorotoluene	12.77	91	407996	19.80	ug/l	99
83) tert-Butylbenzene	12.99	119	420461	20.06	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	497420	20.43	ug/l	99
85) sec-Butylbenzene	13.17	105	551687	20.09	ug/l	100
86) p-Isopropyltoluene	13.29	119	474333	20.27	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	257285	18.60	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	253747	18.64	ug/l	99
89) n-Butylbenzene	13.62	91	342155	18.28	ug/l	99
90) Hexachloroethane	13.88	117	91211	20.56	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	264336	19.80	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	22179	20.59	ug/l	97

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	97781	17.02	ug/l	99
94) Hexachlorobutadiene	15.01	225	80762	19.74	ug/l	99
95) Naphthalene	15.14	128	189457	17.08	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	102380	17.99	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN050956.D

Acq: 30 Aug 2018 12:32

Instrument :

MSVOA_N

ClientSampleId :

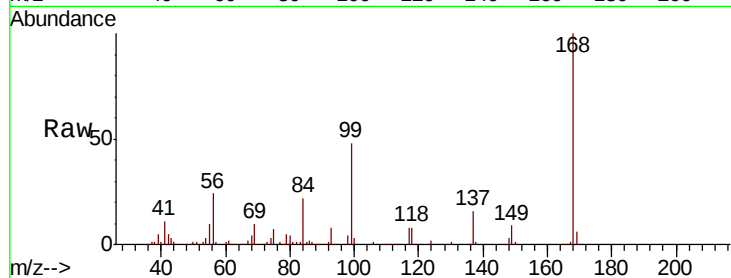
VN0830WBSD01

Tot Ion:168 Resp: 569003

Ion Ratio Lower Upper

168 100

99 47.9 39.6 59.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

250000

200000

150000

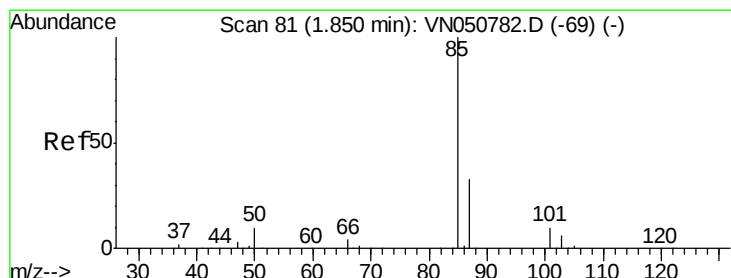
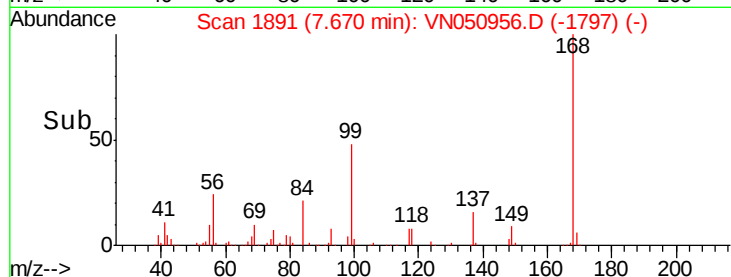
100000

50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 18.92 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN050956.D

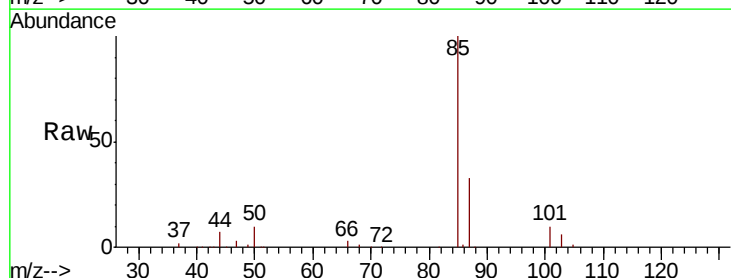
Acq: 30 Aug 2018 12:32

Tgt Ion: 85 Resp: 144044

Ion Ratio Lower Upper

85 100

87 33.3 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

120000

100000

80000

60000

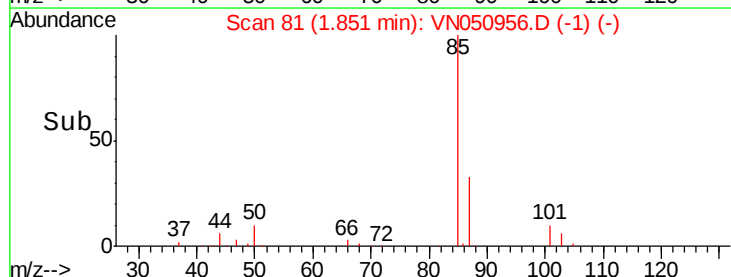
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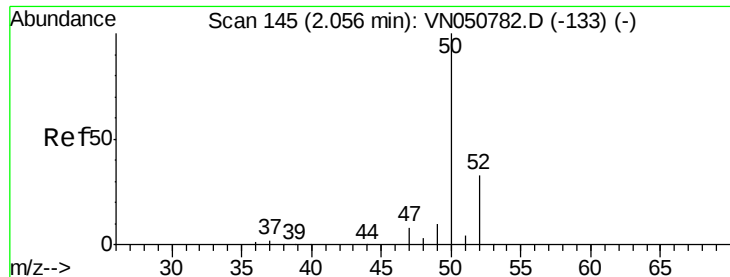
20000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 17.49 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN050956.D

Acq: 30 Aug 2018 12:32

Instrument :

MSVOA_N

ClientSampled :

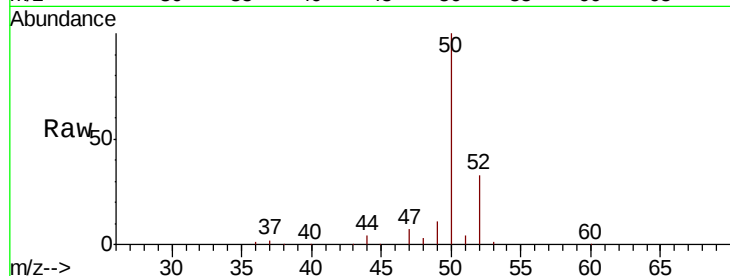
VN0830WBSD01

Tot Ion: 50 Resp: 164264

Ion Ratio Lower Upper

50 100

52 32.9 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

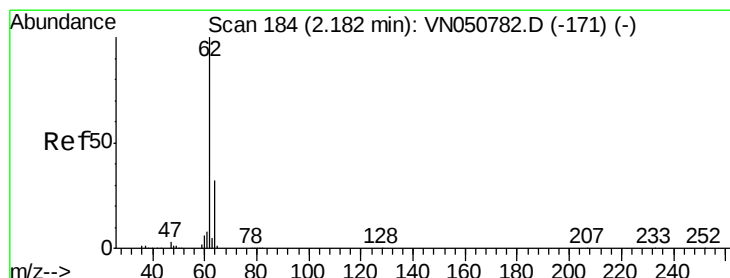
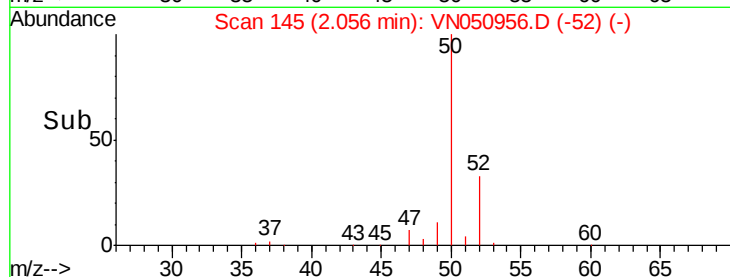
100000

50000

0

Time-->

2.00 2.05 2.10 2.15



#4

Vinyl Chloride

Concen: 18.58 ug/l

RT: 2.18 min Scan# 184

Delta R.T. 0.00 min

Lab File: VN050956.D

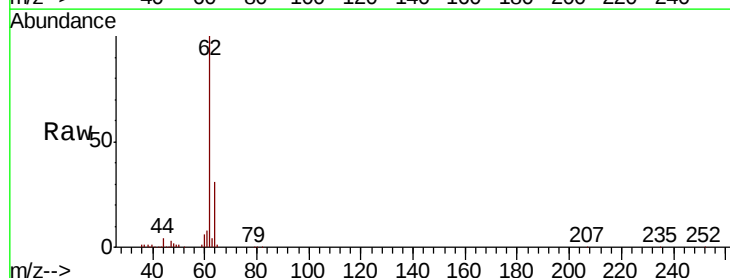
Acq: 30 Aug 2018 12:32

Tgt Ion: 62 Resp: 165286

Ion Ratio Lower Upper

62 100

64 31.0 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

120000

100000

80000

60000

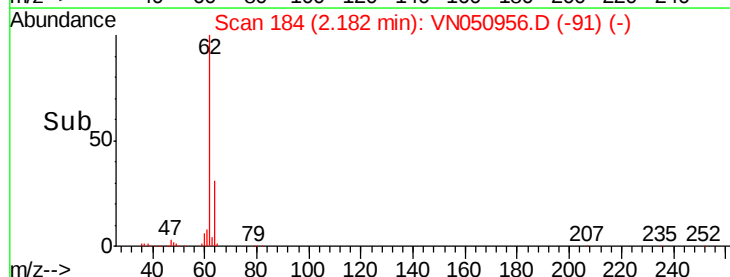
40000

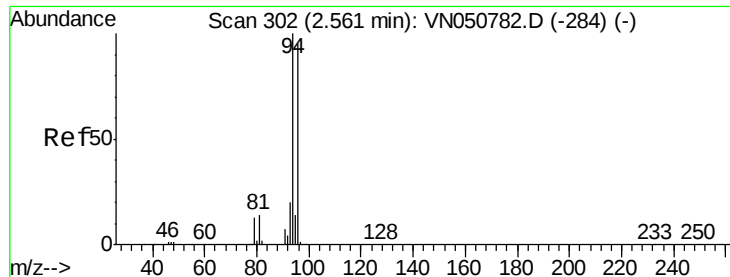
20000

0

Time-->

2.10 2.15 2.20 2.25





#5

Bromomethane

Concen: 17.61 ug/l

RT: 2.56 min Scan# 303

Delta R.T. 0.00 min

Lab File: VN050956.D

Acq: 30 Aug 2018 12:32

Instrument :

MSVOA_N

ClientSampleId :

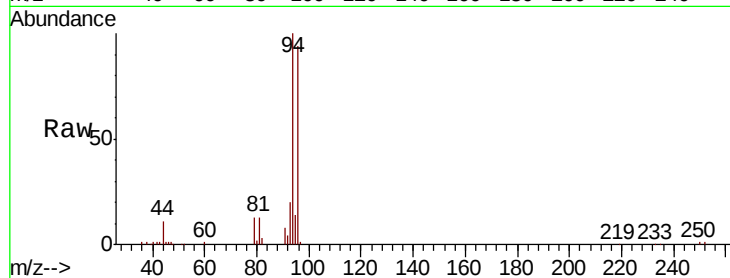
VN0830WBSD01

Tot Ion: 94 Resp: 92560

Ion Ratio Lower Upper

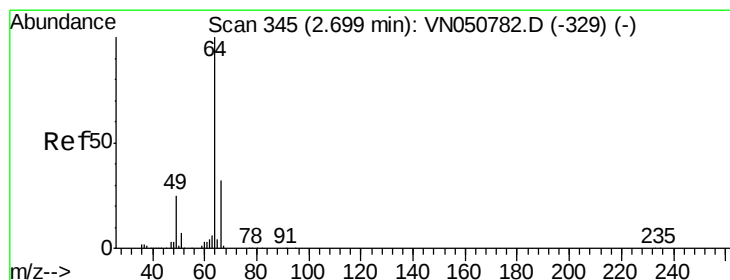
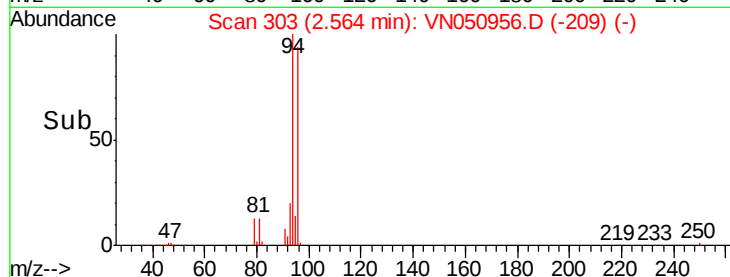
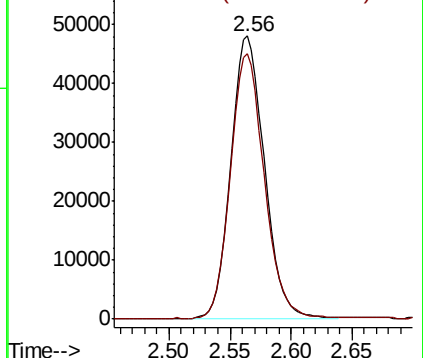
94 100

96 93.9 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: 18.48 ug/l

RT: 2.70 min Scan# 345

Delta R.T. 0.00 min

Lab File: VN050956.D

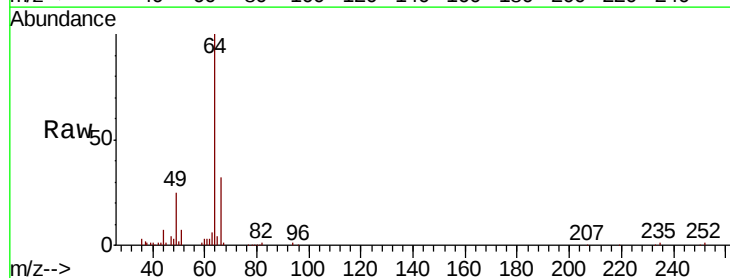
Acq: 30 Aug 2018 12:32

Tgt Ion: 64 Resp: 94989

Ion Ratio Lower Upper

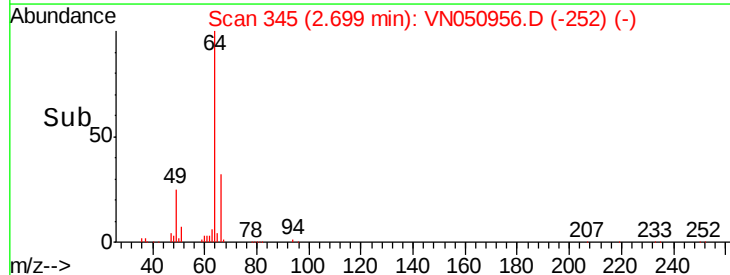
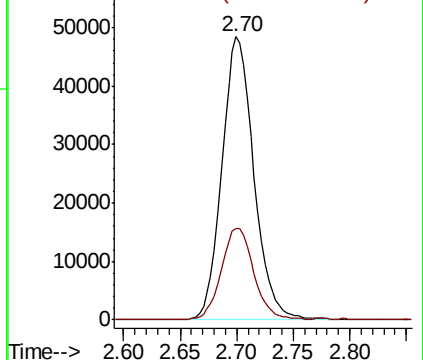
64 100

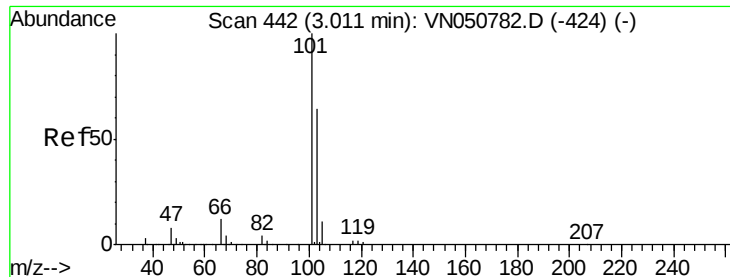
66 32.5 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



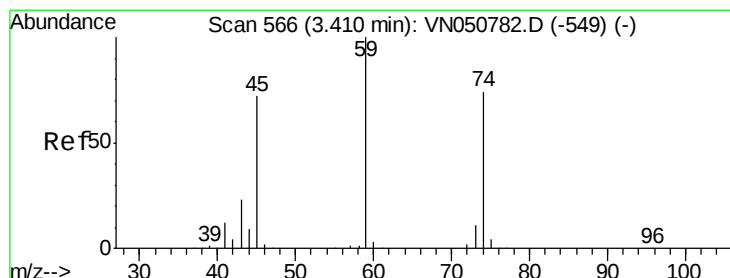
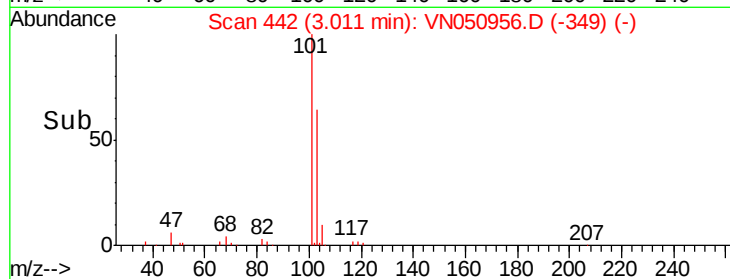
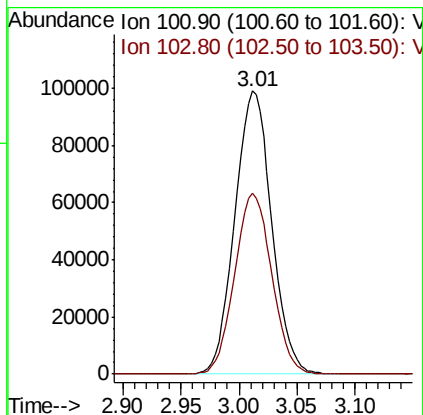
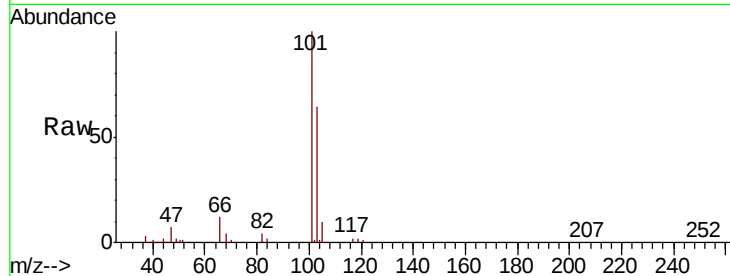


#7

Trichlorofluoromethane
 Concen: 19.14 ug/l
 RT: 3.01 min Scan# 442
 Delta R.T. 0.00 min
 Lab File: VN050956.D
 Acq: 30 Aug 2018 12:32

Instrument :
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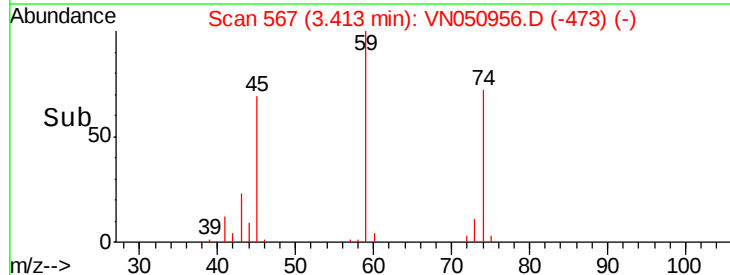
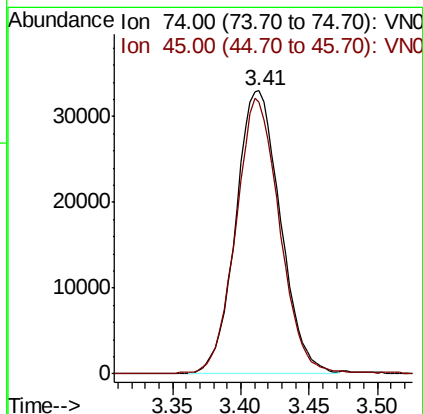
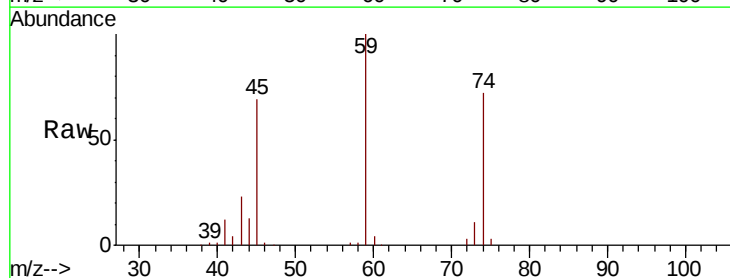
Tot Ion:101 Resp: 218021
 Ion Ratio Lower Upper
 101 100
 103 63.7 51.6 77.4

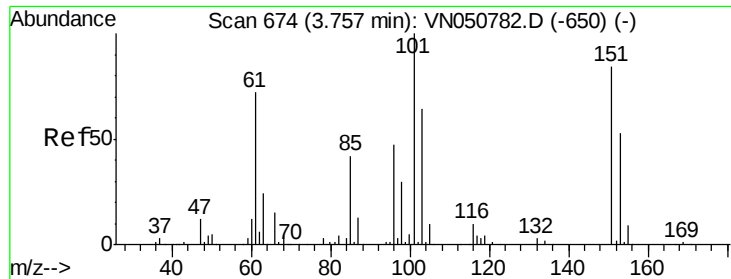


#8

Diethyl Ether
 Concen: 19.37 ug/l
 RT: 3.41 min Scan# 567
 Delta R.T. 0.00 min
 Lab File: VN050956.D
 Acq: 30 Aug 2018 12:32

Tgt Ion: 74 Resp: 75029
 Ion Ratio Lower Upper
 74 100
 45 95.5 48.2 144.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.88 ug/l

RT: 3.76 min Scan# 674

Delta R.T. 0.00 min

Lab File: VN050956.D

Acq: 30 Aug 2018 12:32

Instrument :

MSVOA_N

ClientSampleId :

VN0830WBSD01

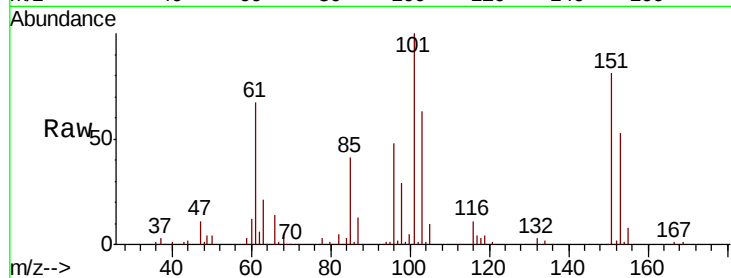
Tot Ion:101 Resp: 134349

Ion Ratio Lower Upper

101 100

85 42.3 33.7 50.5

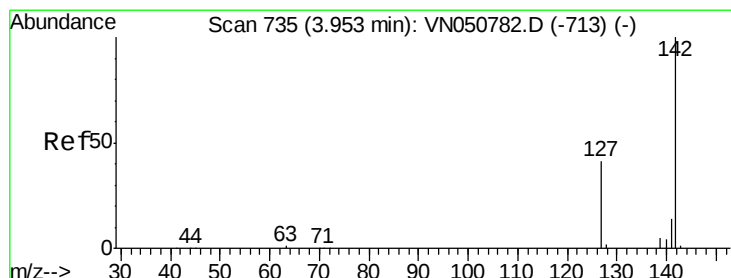
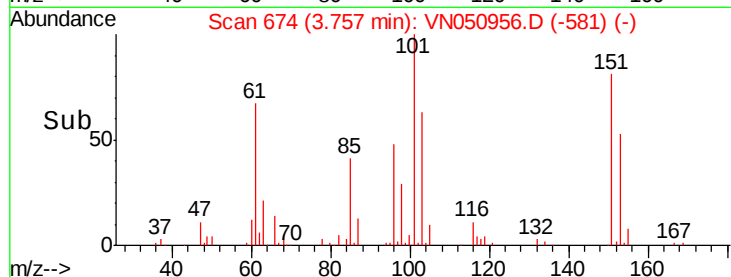
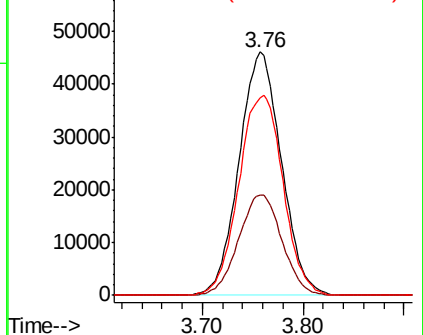
151 85.9 67.4 101.2



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: 20.30 ug/l

RT: 3.95 min Scan# 734

Delta R.T. -0.00 min

Lab File: VN050956.D

Acq: 30 Aug 2018 12:32

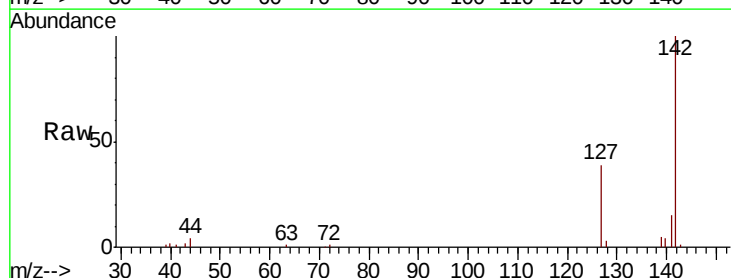
Tgt Ion:142 Resp: 99885

Ion Ratio Lower Upper

142 100

127 39.5 31.7 47.5

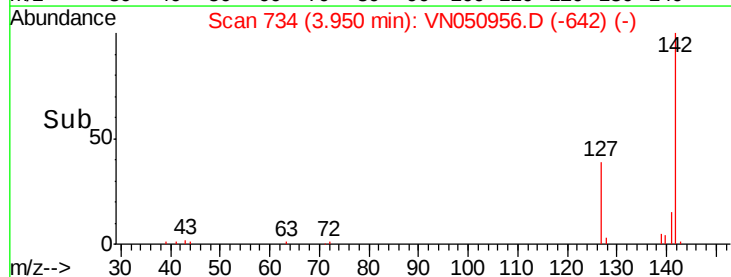
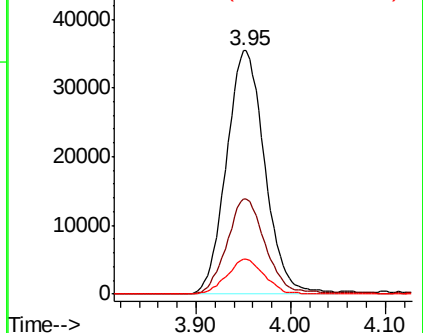
141 13.8 11.4 17.0

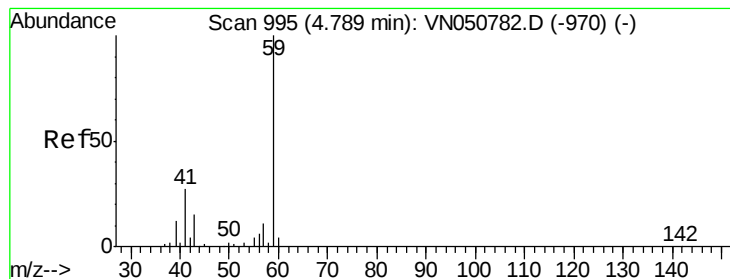


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



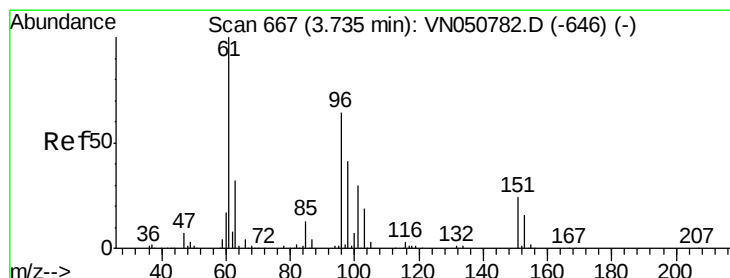
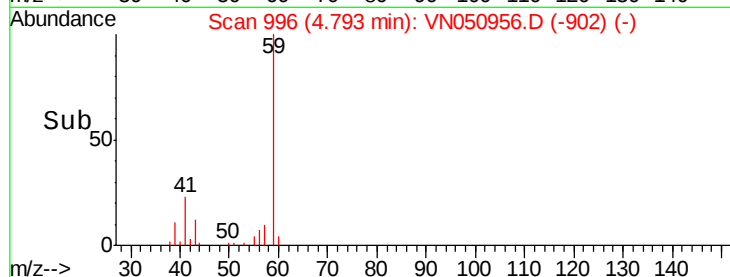
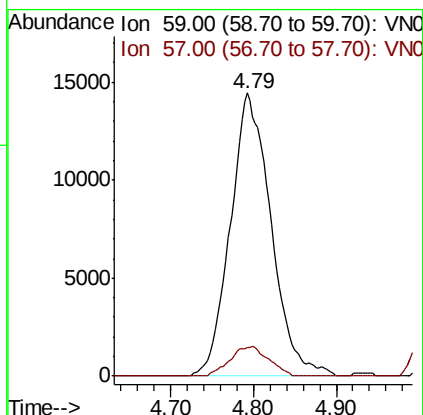
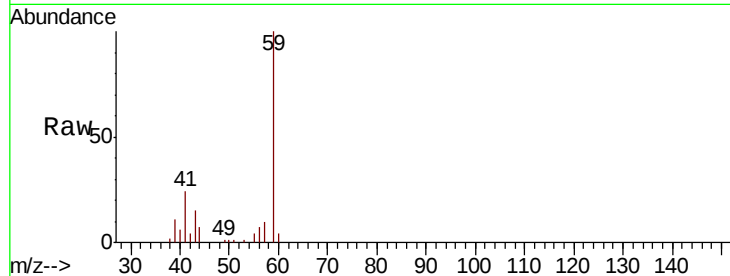


#11

Tert butyl alcohol
 Concen: 112.94 ug/l
 RT: 4.79 min Scan# 996
 Delta R.T. 0.00 min
 Lab File: VN050956.D
 Acq: 30 Aug 2018 12:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0830WBSD01

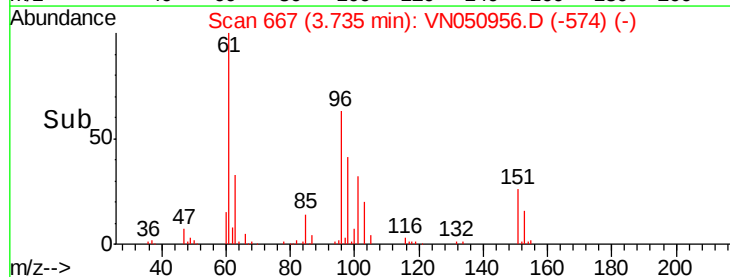
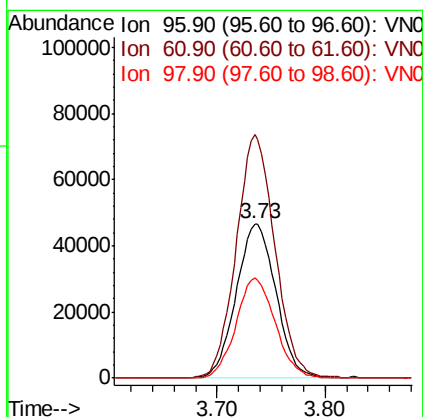
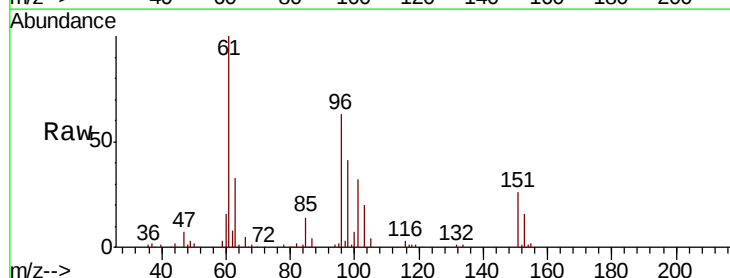
Tot Ion: 59 Resp: 49264
 Ion Ratio Lower Upper
 59 100
 57 9.9 8.3 12.5



#12

1,1-Dichloroethene
 Concen: 18.72 ug/l
 RT: 3.73 min Scan# 667
 Delta R.T. 0.00 min
 Lab File: VN050956.D
 Acq: 30 Aug 2018 12:32

Tgt Ion: 96 Resp: 119629
 Ion Ratio Lower Upper
 96 100
 61 157.9 124.9 187.3
 98 65.3 51.1 76.7





#13

Acrolein

Concen: 72.01 ug/l

RT: 3.61 min Scan# 629

Delta R.T. 0.01 min

Lab File: VN050956.D

Acq: 30 Aug 2018 12:32

Instrument :

MSVOA_N

ClientSampleId :

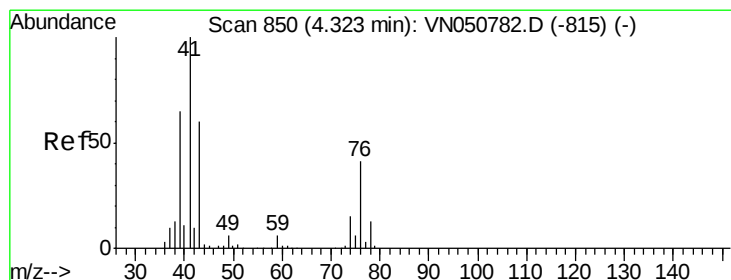
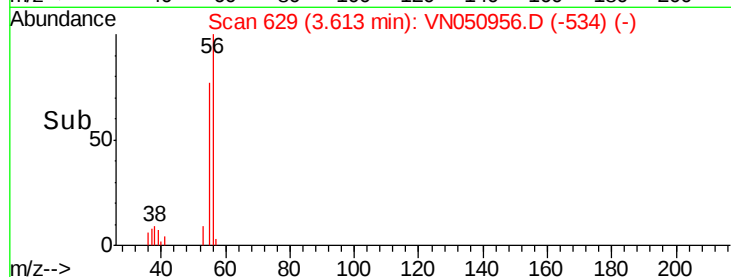
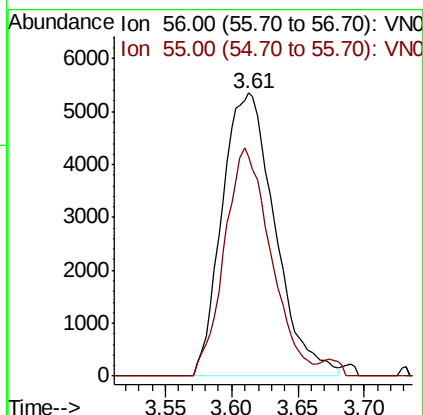
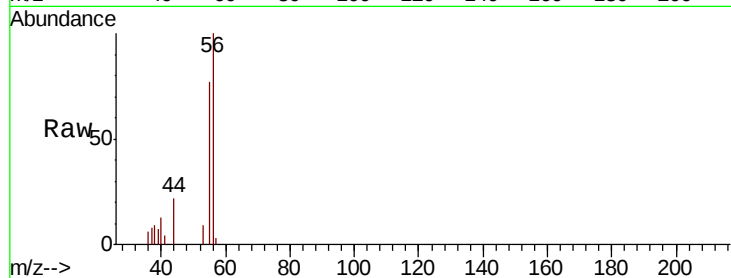
VN0830WBSD01

Tot Ion: 56 Resp: 14844

Ion Ratio Lower Upper

56 100

55 71.0 57.7 86.5



#14

Allyl chloride

Concen: 18.30 ug/l

RT: 4.32 min Scan# 850

Delta R.T. 0.00 min

Lab File: VN050956.D

Acq: 30 Aug 2018 12:32

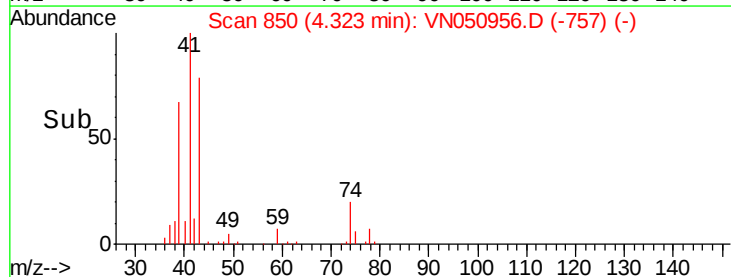
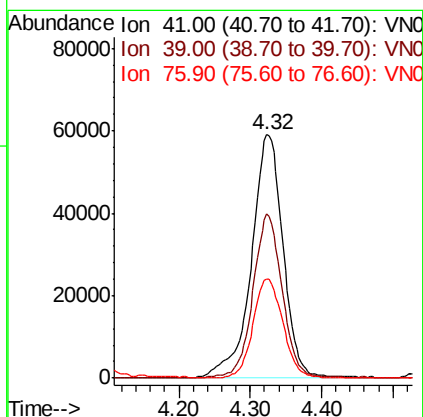
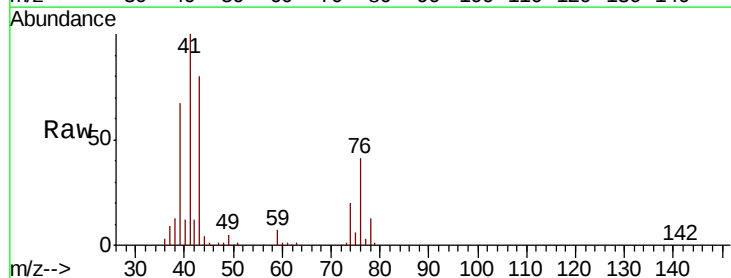
Tgt Ion: 41 Resp: 182243

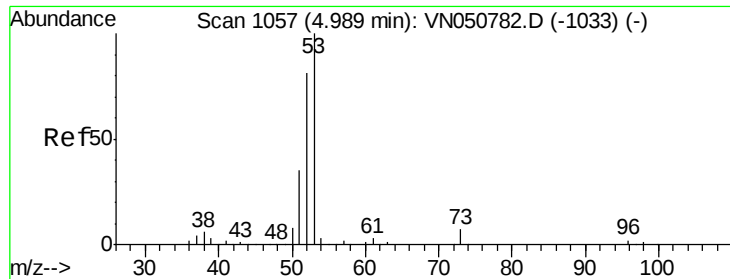
Ion Ratio Lower Upper

41 100

39 62.0 50.2 75.2

76 38.3 29.8 44.8

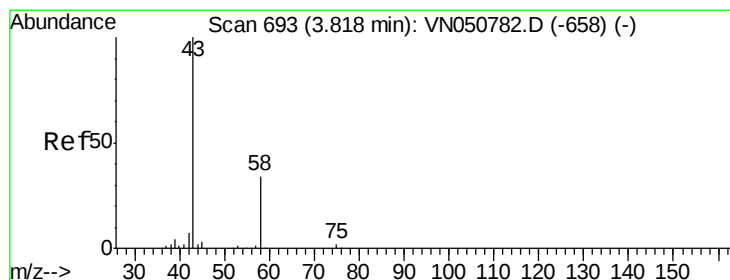
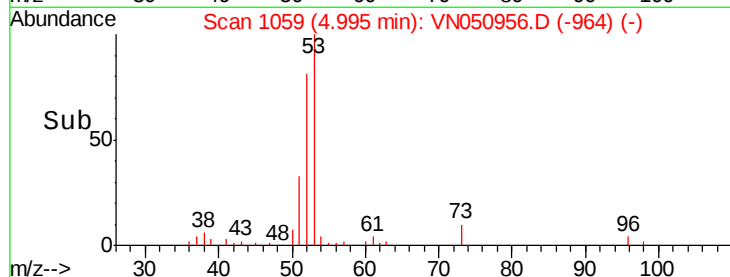
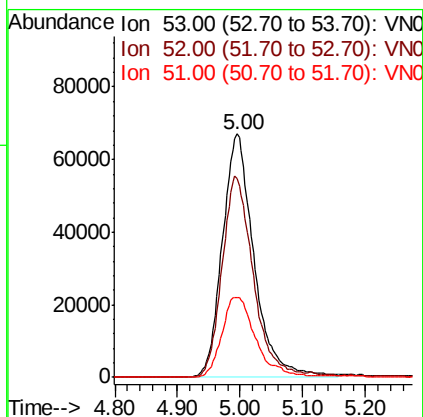
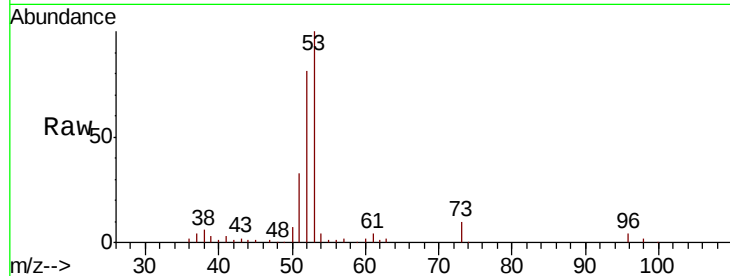




#15
 Acrylonitrile
 Concen: 106.12 ug/l
 RT: 5.00 min Scan# 1059
 Delta R.T. 0.01 min
 Lab File: VN050956.D
 Acq: 30 Aug 2018 12:32

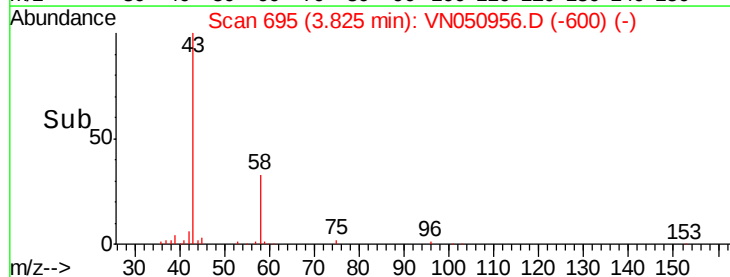
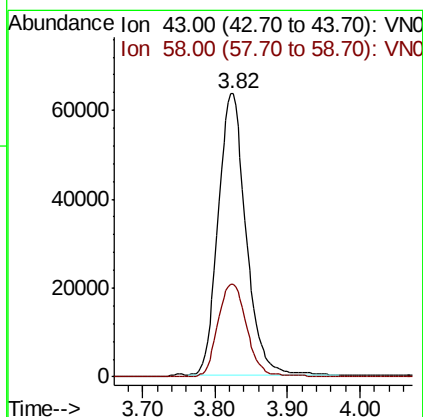
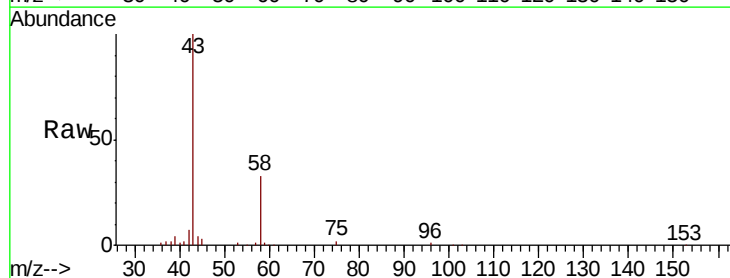
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0830WBSD01

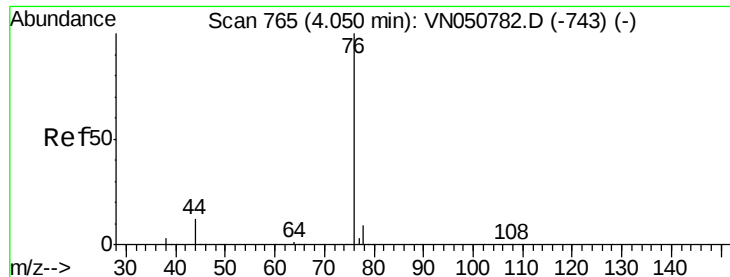
Tot Ion: 53 Resp: 235243
 Ion Ratio Lower Upper
 53 100
 52 80.8 65.9 98.9
 51 35.3 28.6 43.0



#16
 Acetone
 Concen: 99.80 ug/l
 RT: 3.82 min Scan# 695
 Delta R.T. 0.01 min
 Lab File: VN050956.D
 Acq: 30 Aug 2018 12:32

Tgt Ion: 43 Resp: 168773
 Ion Ratio Lower Upper
 43 100
 58 33.1 27.2 40.8

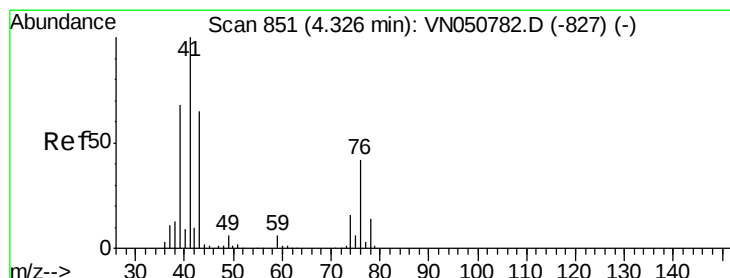
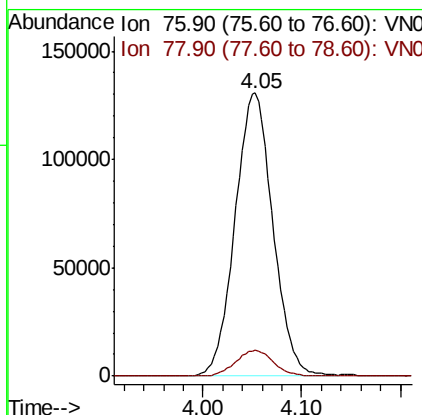
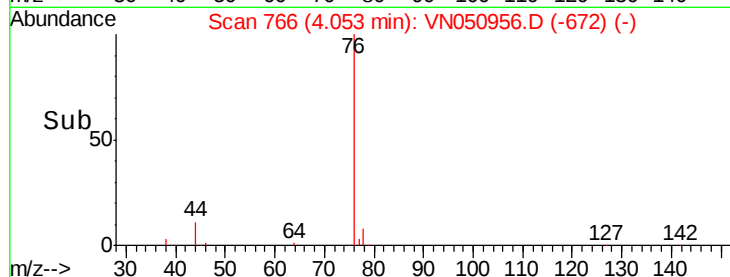
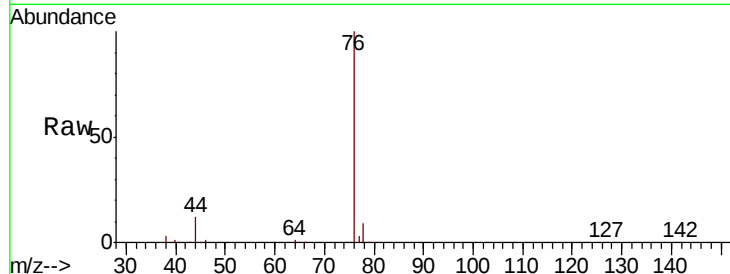




#17
Carbon Disulfide
Concen: 16.21 ug/l
RT: 4.05 min Scan# 766
Delta R.T. 0.00 min
Lab File: VN050956.D
Acq: 30 Aug 2018 12:32

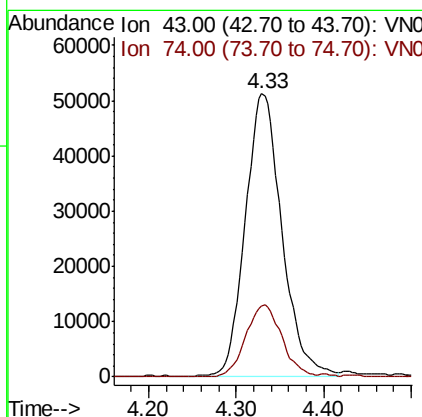
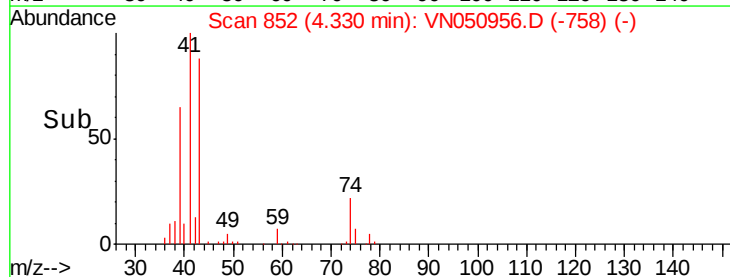
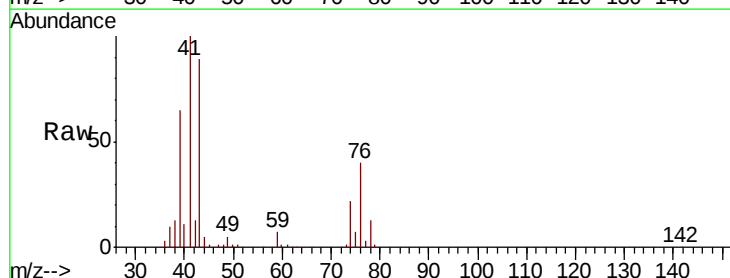
Instrument :
MSVOA_N
ClientSampled :
VN0830WBSD01

Tot Ion: 76 Resp: 347250
Ion Ratio Lower Upper
76 100
78 9.2 7.3 10.9



#18
Methyl Acetate
Concen: 23.09 ug/l
RT: 4.33 min Scan# 852
Delta R.T. 0.00 min
Lab File: VN050956.D
Acq: 30 Aug 2018 12:32

Tgt Ion: 43 Resp: 149359
Ion Ratio Lower Upper
43 100
74 25.0 19.8 29.8

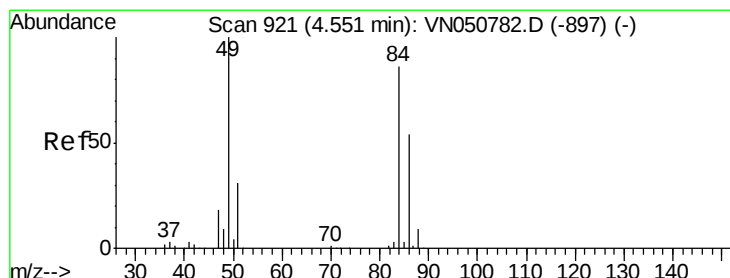
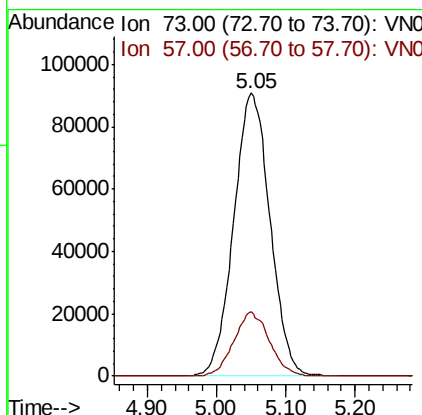
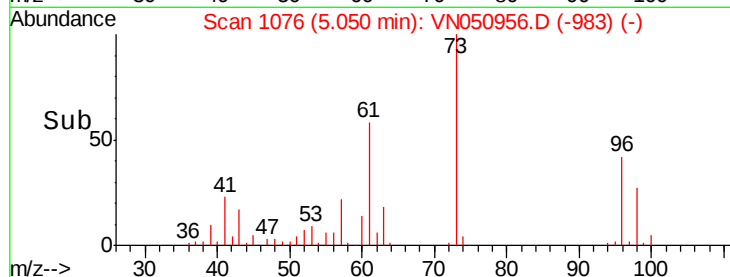
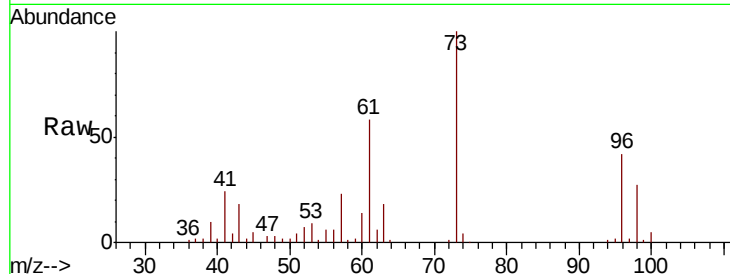




#19
Methyl tert-butyl Ether
Concen: 20.60 ug/l
RT: 5.05 min Scan# 1076
Delta R.T. 0.00 min
Lab File: VN050956.D
Acq: 30 Aug 2018 12:32

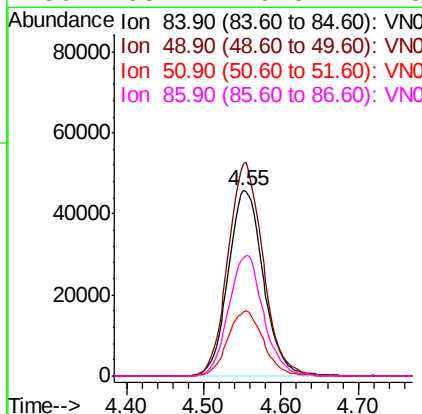
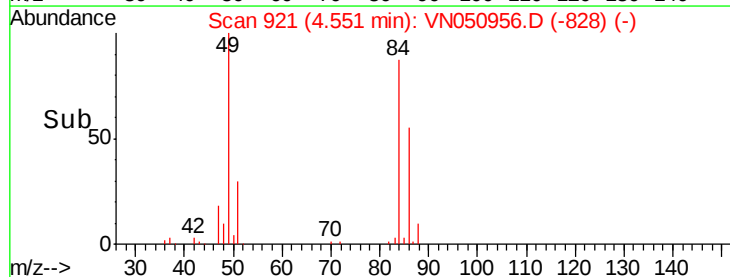
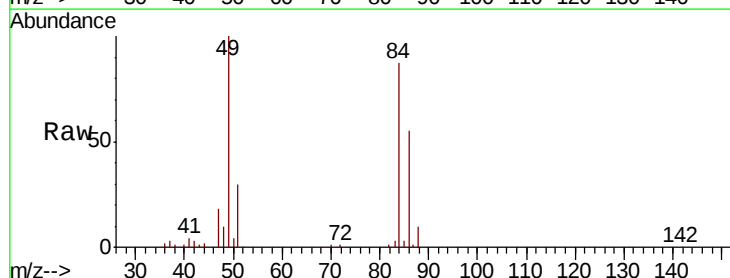
Instrument :
MSVOA_N
ClientSampleId :
VN0830WBSD01

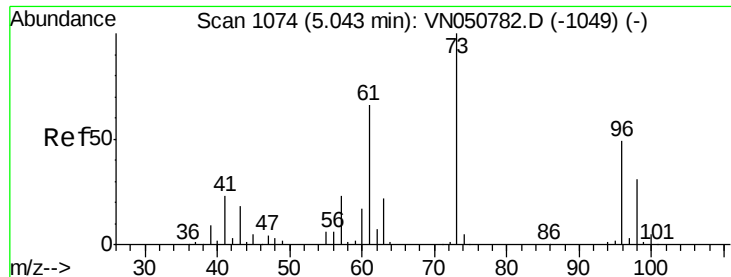
Tot Ion: 73 Resp: 331104
Ion Ratio Lower Upper
73 100
57 22.8 17.8 26.8



#20
Methylene Chloride
Concen: 18.66 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN050956.D
Acq: 30 Aug 2018 12:32

Tgt Ion: 84 Resp: 144038
Ion Ratio Lower Upper
84 100
49 114.9 93.2 139.8
51 34.6 29.0 43.6
86 63.7 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 18.51 ug/l

RT: 5.05 min Scan# 1075

Delta R.T. 0.00 min

Lab File: VN050956.D

Acq: 30 Aug 2018 12:32

Instrument :

MSVOA_N

ClientSampleId :

VN0830WBSD01

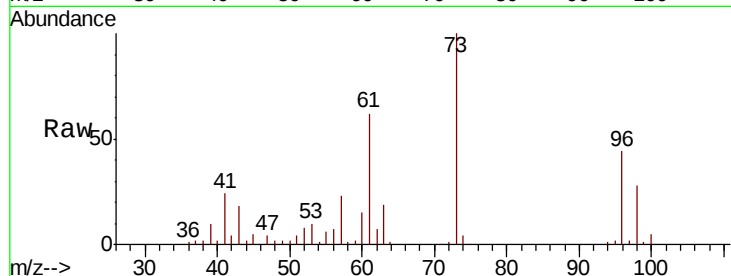
Tot Ion: 96 Resp: 127912

Ion Ratio Lower Upper

96 100

61 141.0 107.4 161.0

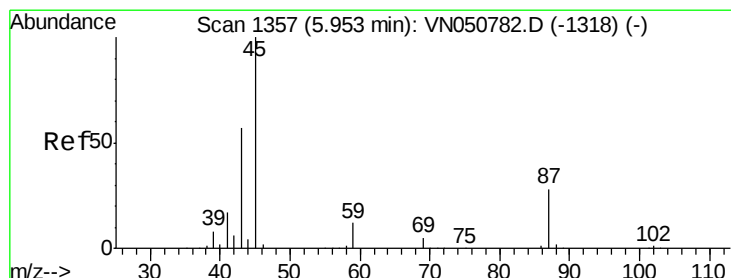
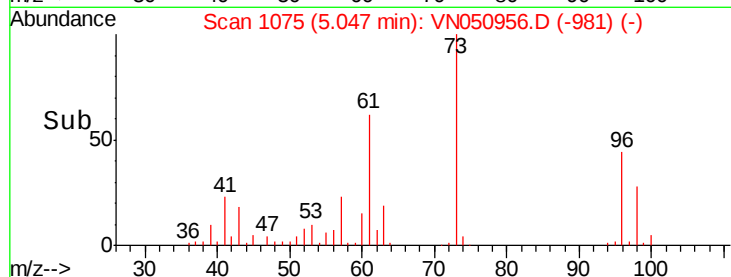
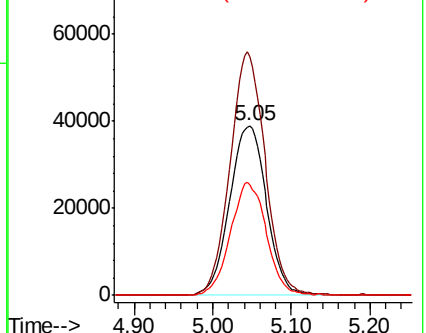
98 65.1 50.7 76.1



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: 20.41 ug/l

RT: 5.96 min Scan# 1358

Delta R.T. 0.00 min

Lab File: VN050956.D

Acq: 30 Aug 2018 12:32

Tgt Ion: 45 Resp: 405054

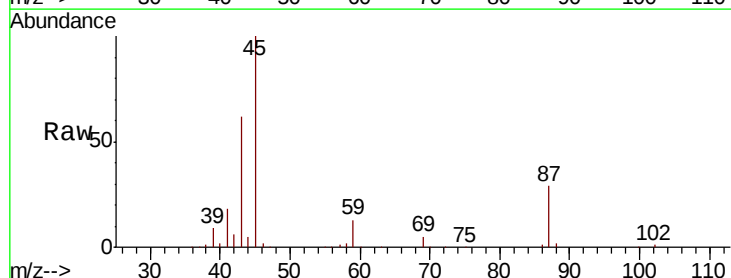
Ion Ratio Lower Upper

45 100

43 60.4 45.9 68.9

87 28.5 22.7 34.1

59 12.6 9.3 13.9

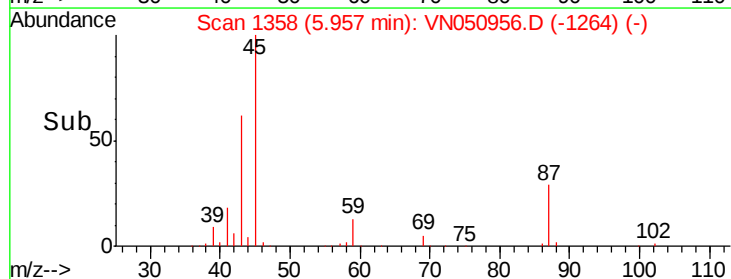
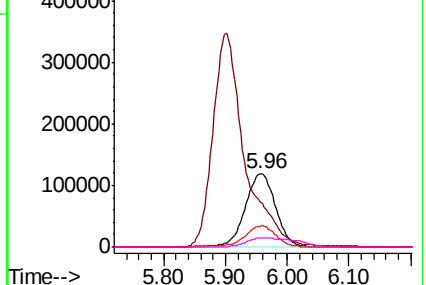


Abundance Ion 45.00 (44.70 to 45.70): VN0

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: 96.58 ug/l

RT: 5.90 min Scan# 1341

Delta R.T. 0.00 min

Lab File: VN050956.D

Acq: 30 Aug 2018 12:32

Instrument :

MSVOA_N

ClientSampleId :

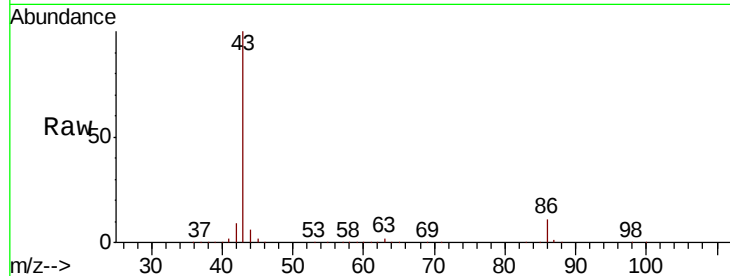
VN0830WBSD01

Tot Ion: 43 Resp: 1234412

Ion Ratio Lower Upper

43 100

86 10.8 8.7 13.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.90

400000

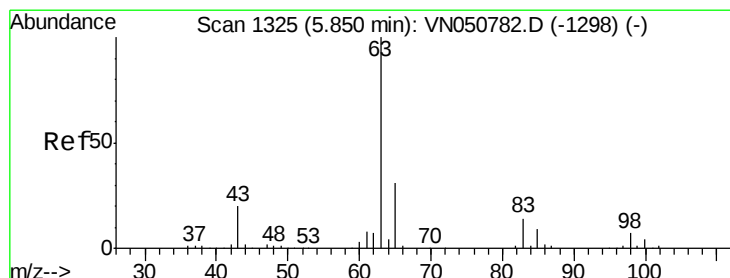
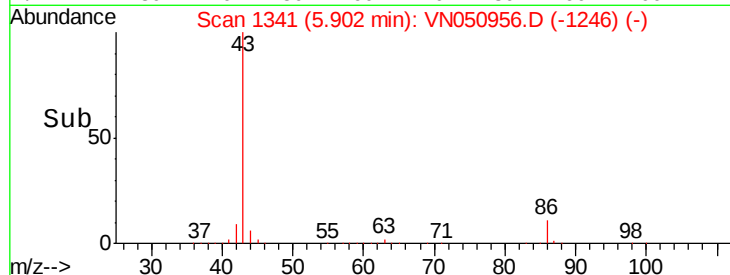
300000

200000

100000

0

Time--> 5.70 5.80 5.90 6.00 6.10



#24

1,1-Dichloroethane

Concen: 19.16 ug/l

RT: 5.85 min Scan# 1325

Delta R.T. 0.00 min

Lab File: VN050956.D

Acq: 30 Aug 2018 12:32

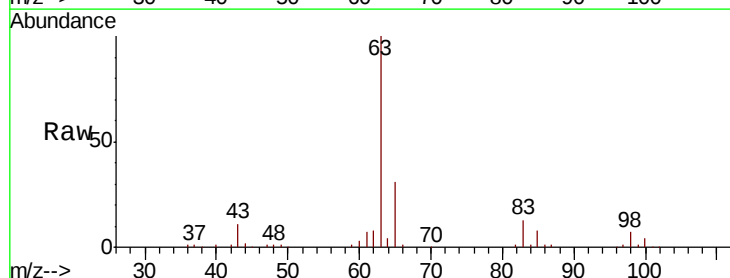
Tgt Ion: 63 Resp: 244122

Ion Ratio Lower Upper

63 100

98 6.8 3.3 9.8

100 4.3 2.1 6.5



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

100000

80000

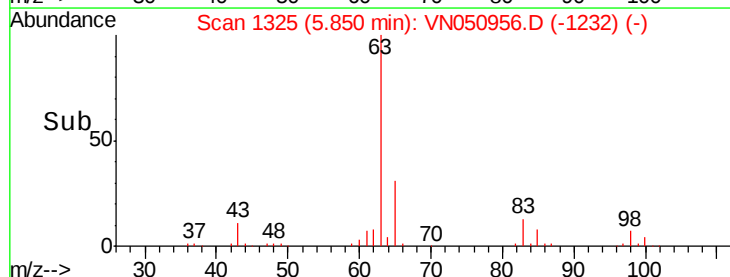
60000

40000

20000

0

Time--> 5.70 5.80 5.90 6.00





#25

2-Butanone

Concen: 91.89 ug/l

RT: 6.84 min Scan# 1634

Delta R.T. 0.01 min

Lab File: VN050956.D

Acq: 30 Aug 2018 12:32

Instrument :

MSVOA_N

ClientSampleId :

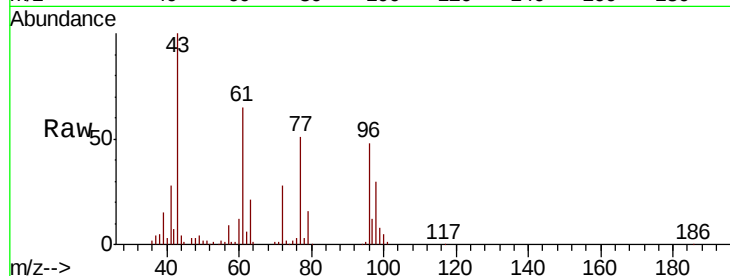
VN0830WBSD01

Tot Ion: 43 Resp: 253675

Ion Ratio Lower Upper

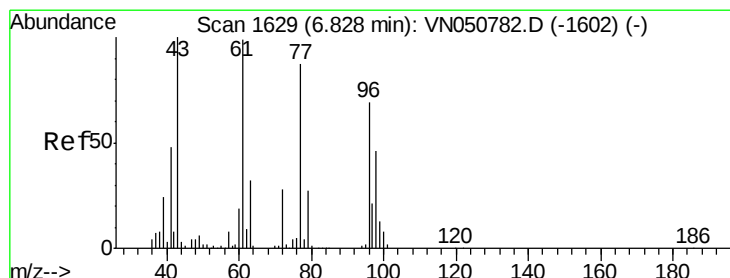
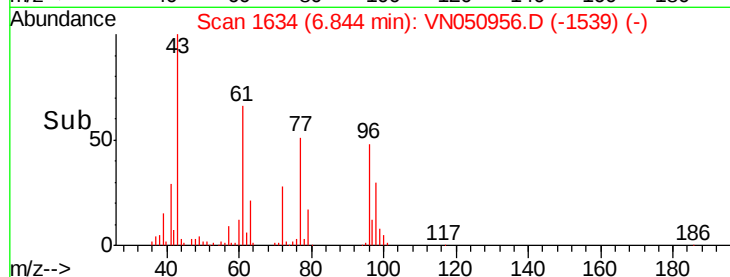
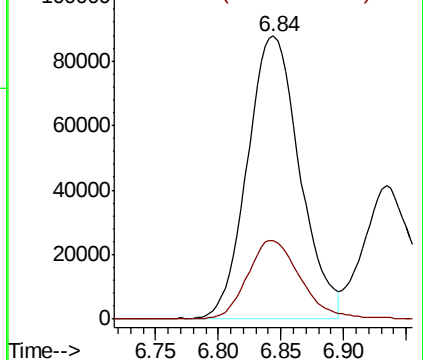
43 100

72 27.8 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 18.35 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VN050956.D

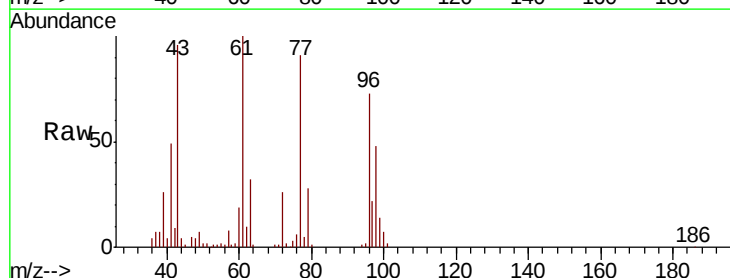
Acq: 30 Aug 2018 12:32

Tgt Ion: 77 Resp: 187870

Ion Ratio Lower Upper

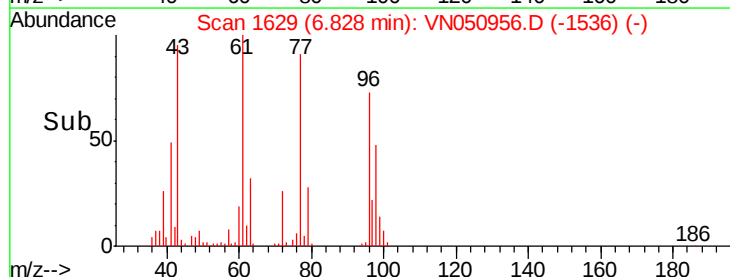
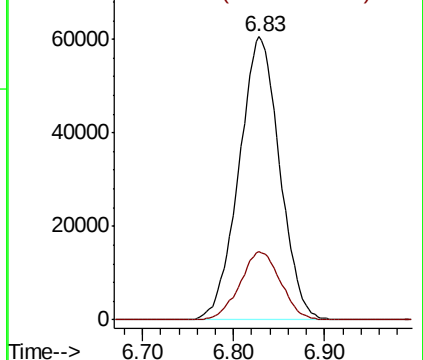
77 100

97 24.0 12.0 36.0



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 19.30 ug/l

RT: 6.83 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VN050956.D

Acq: 30 Aug 2018 12:32

Instrument :

MSVOA_N

ClientSampleId :

VN0830WBSD01

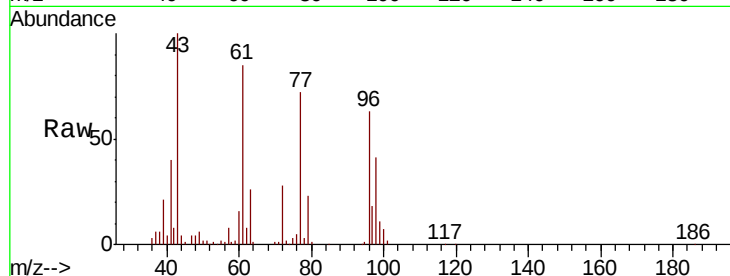
Tot Ion: 96 Resp: 143859

Ion Ratio Lower Upper

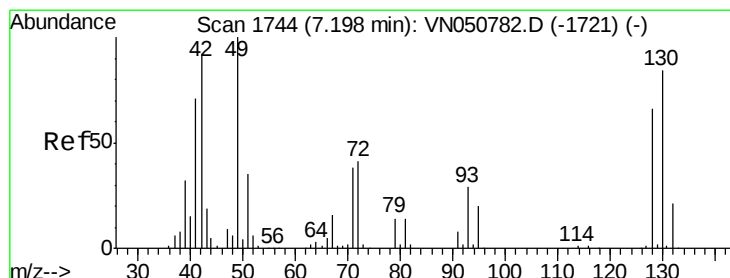
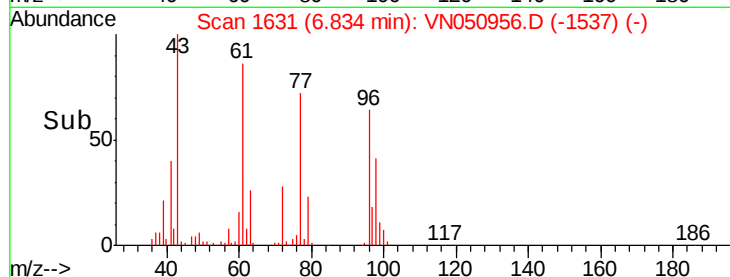
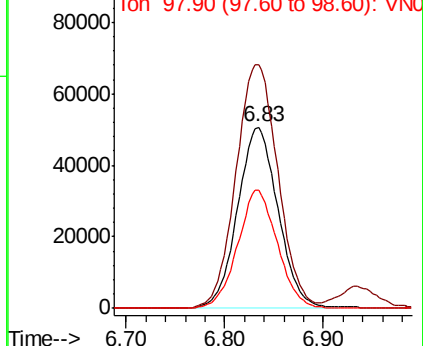
96 100

61 139.9 0.0 283.4

98 64.4 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: 19.08 ug/l

RT: 7.20 min Scan# 1744

Delta R.T. 0.00 min

Lab File: VN050956.D

Acq: 30 Aug 2018 12:32

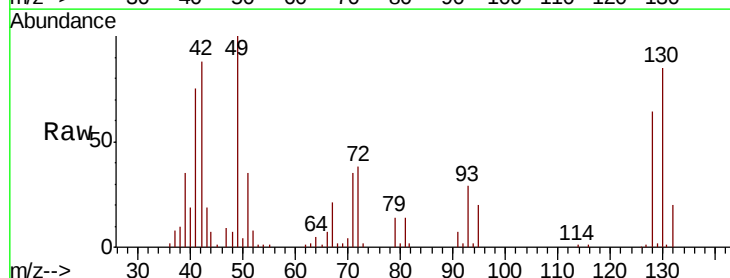
Tgt Ion: 49 Resp: 103302

Ion Ratio Lower Upper

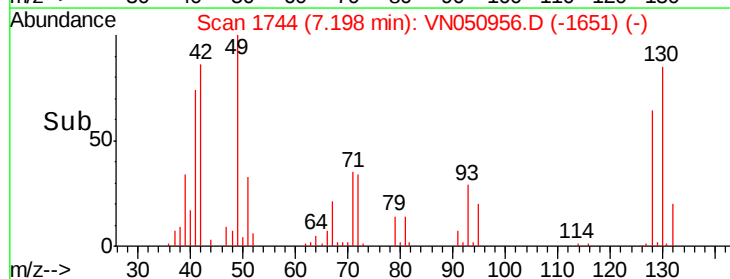
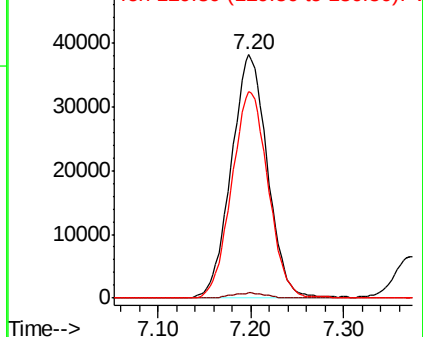
49 100

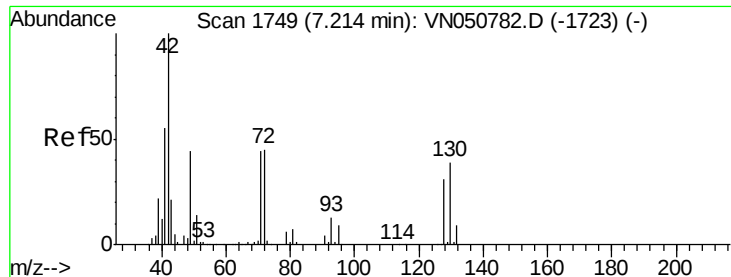
129 2.0 0.0 4.2

130 85.4 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

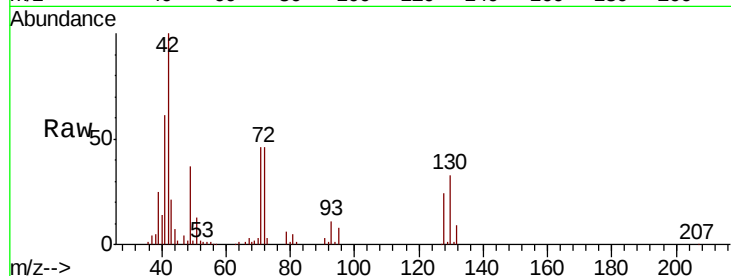




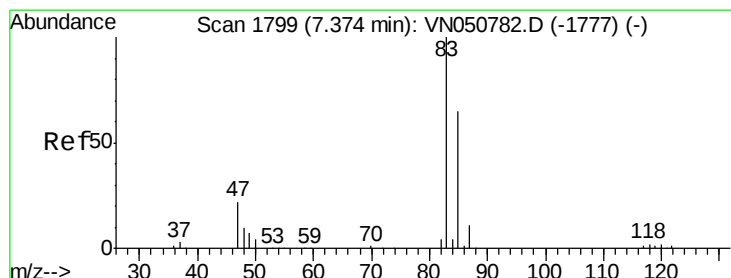
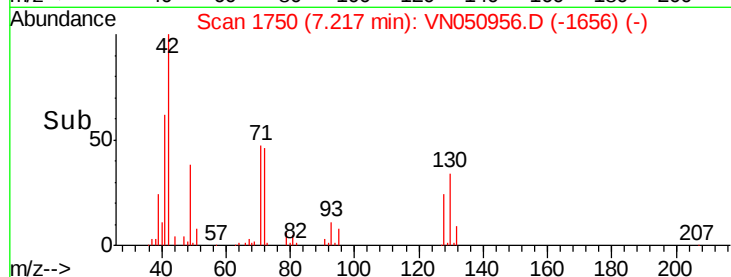
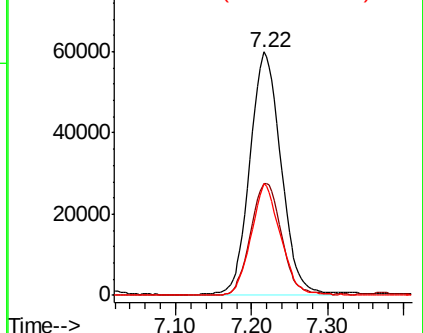
#29
Tetrahydrofuran
Concen: 107.50 ug/l
RT: 7.22 min Scan# 1750
Delta R.T. 0.00 min
Lab File: VN050956.D
Acq: 30 Aug 2018 12:32

Instrument :
MSVOA_N
ClientSampled :
VN0830WBSD01

Tot Ion: 42 Resp: 170138
Ion Ratio Lower Upper
42 100
72 46.1 35.5 53.3
71 43.5 33.7 50.5

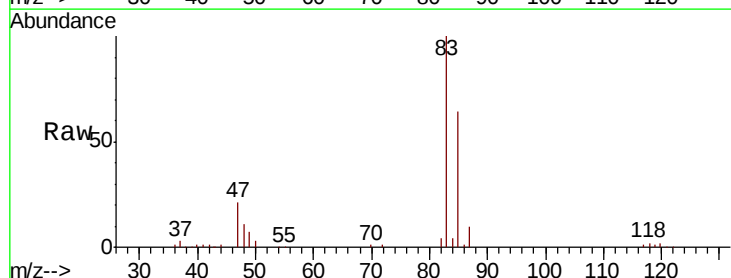


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

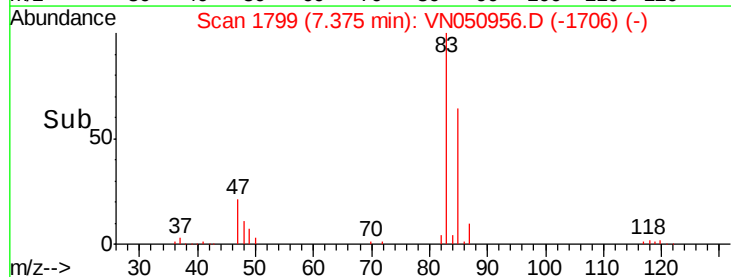
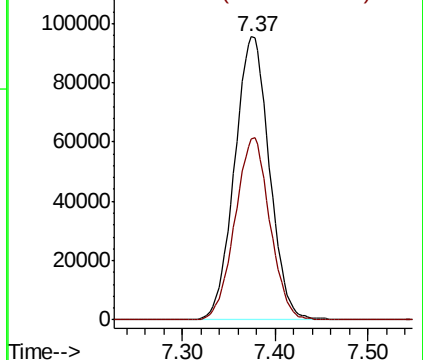


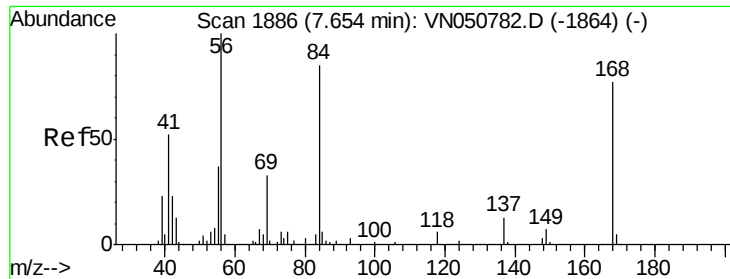
#30
Chloroform
Concen: 19.73 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN050956.D
Acq: 30 Aug 2018 12:32

Tgt Ion: 83 Resp: 248874
Ion Ratio Lower Upper
83 100
85 64.0 52.2 78.4



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

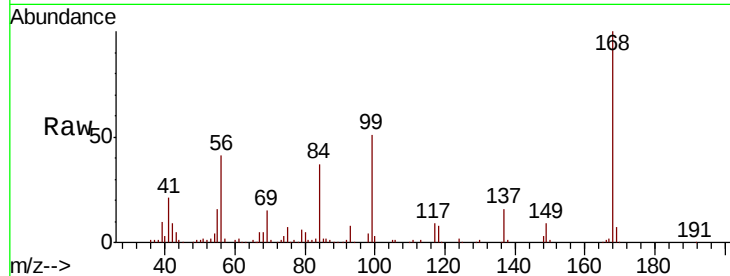




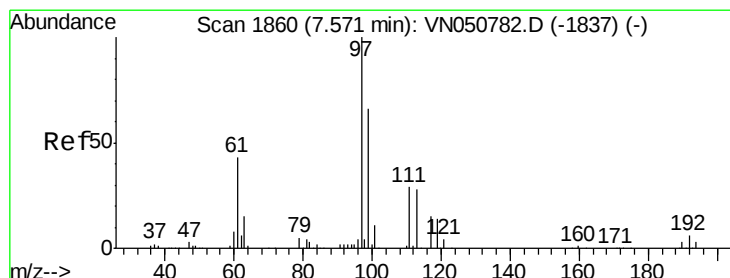
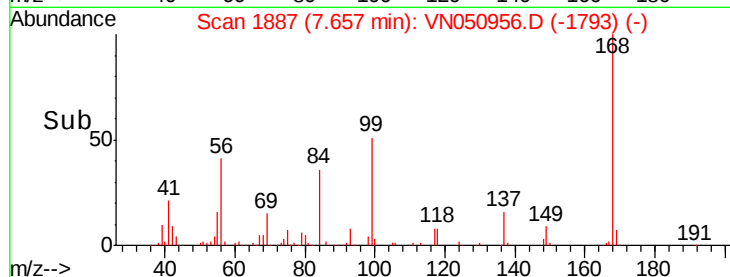
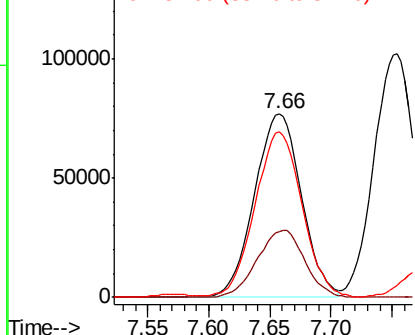
#31
Cyclohexane
Concen: 18.10 ug/l
RT: 7.66 min Scan# 1887
Delta R.T. 0.00 min
Lab File: VN050956.D
Acq: 30 Aug 2018 12:32

Instrument :
MSVOA_N
ClientSampled :
VN0830WBSD01

Tot Ion: 56 Resp: 206090
Ion Ratio Lower Upper
56 100
69 35.9 26.2 39.4
84 88.7 68.3 102.5

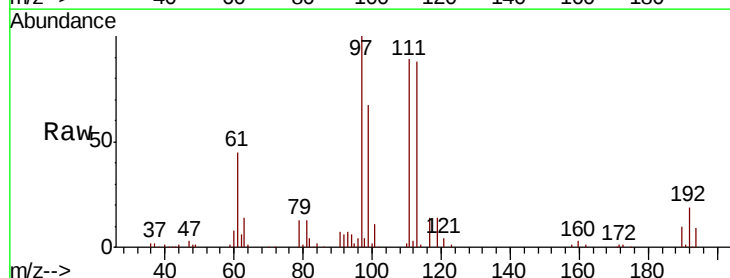


Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO

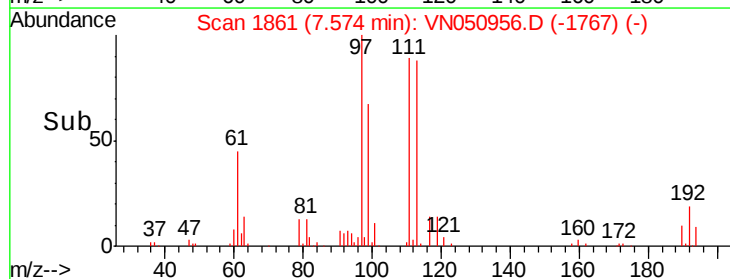
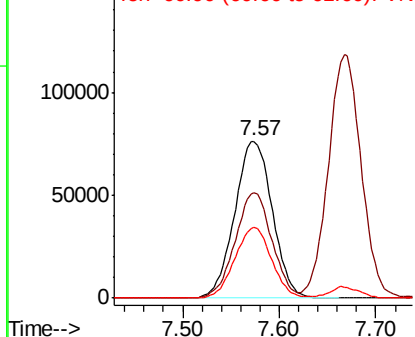


#32
1,1,1-Trichloroethane
Concen: 19.03 ug/l
RT: 7.57 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN050956.D
Acq: 30 Aug 2018 12:32

Tgt Ion: 97 Resp: 206244
Ion Ratio Lower Upper
97 100
99 65.5 51.8 77.6
61 43.8 34.9 52.3



Abundance Ion 96.90 (96.60 to 97.60): VNO
Ion 98.90 (98.60 to 99.60): VNO
Ion 60.90 (60.60 to 61.60): VNO

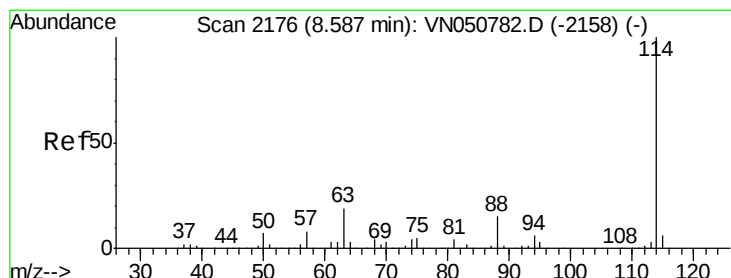
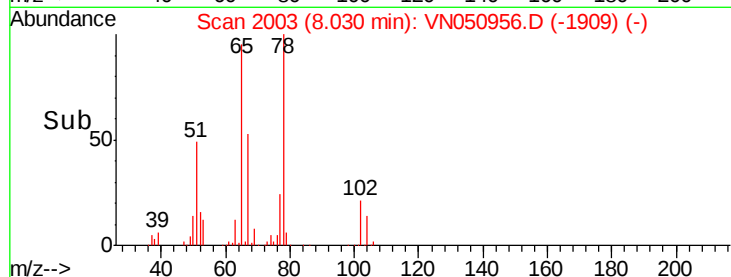
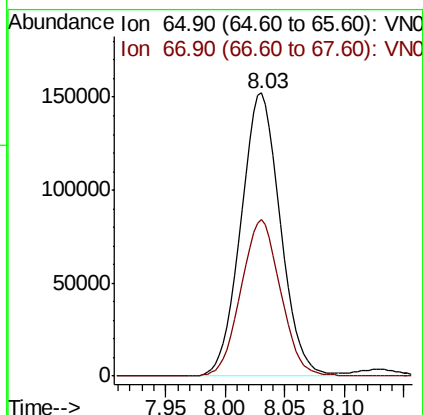
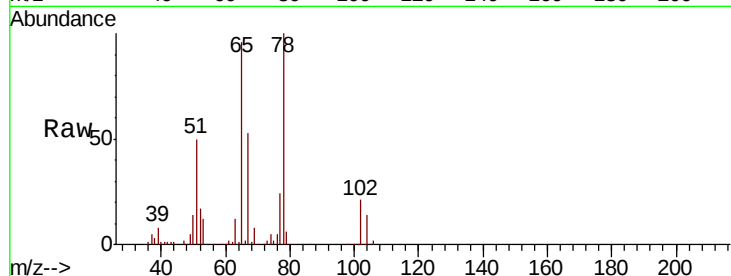




#33
 1,2-Dichloroethane-d4
 Concen: 51.02 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050956.D
 Acq: 30 Aug 2018 12:32

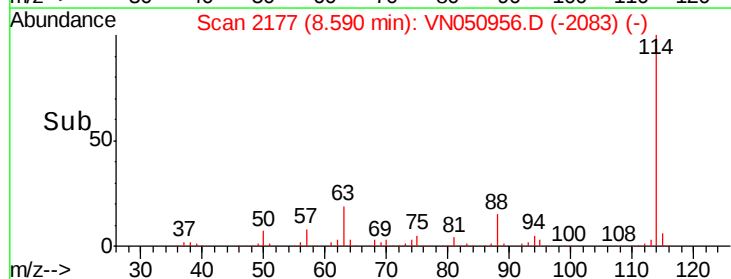
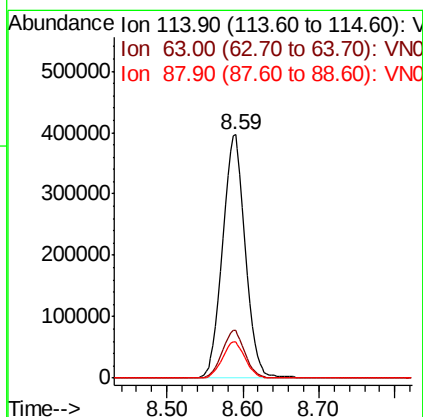
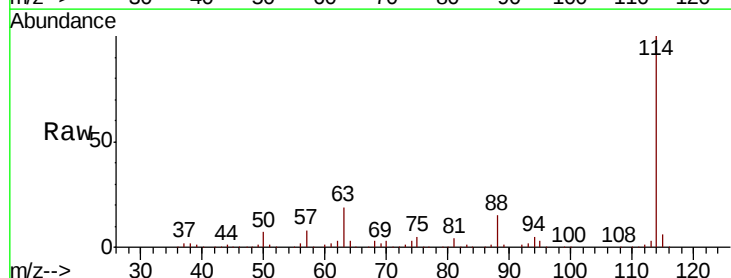
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0830WBSD01

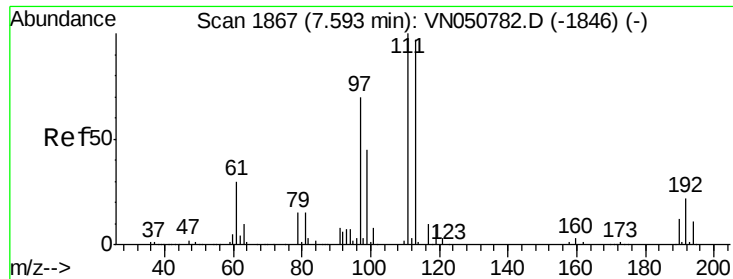
Tot Ion: 65 Resp: 349488
 Ion Ratio Lower Upper
 65 100
 67 55.5 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050956.D
 Acq: 30 Aug 2018 12:32

Tgt Ion: 114 Resp: 826333
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 38.6
 88 14.8 0.0 30.6

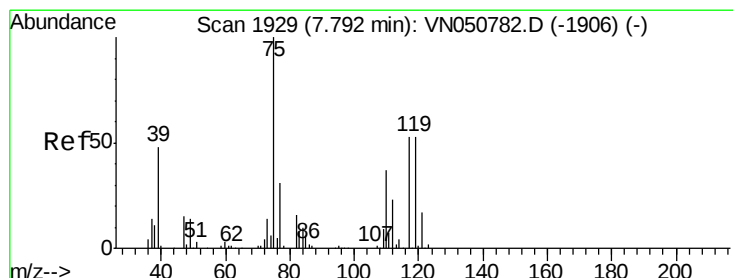
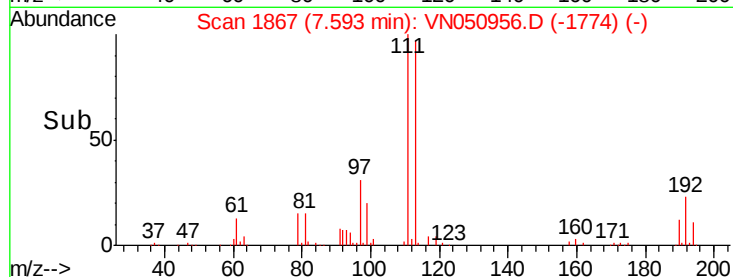
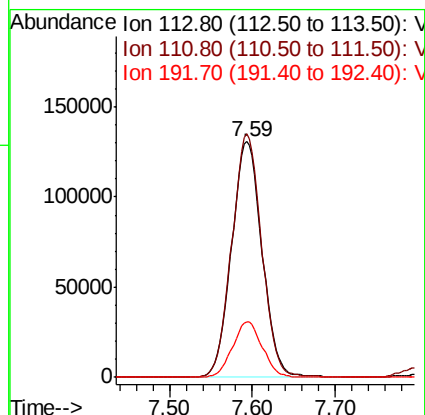
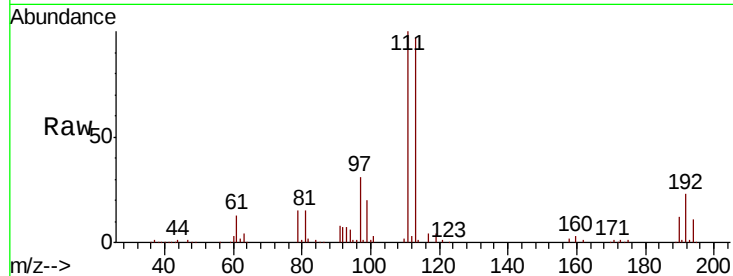




#35
 Dibromofluoromethane
 Concen: 50.86 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050956.D
 Acq: 30 Aug 2018 12:32

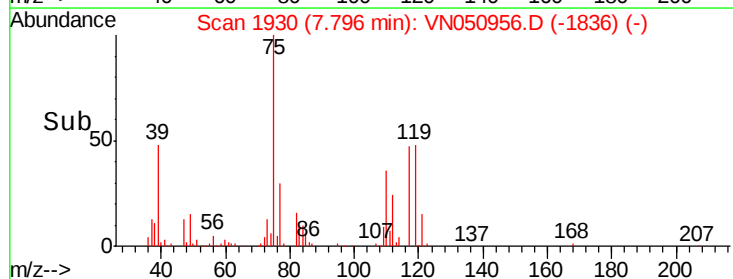
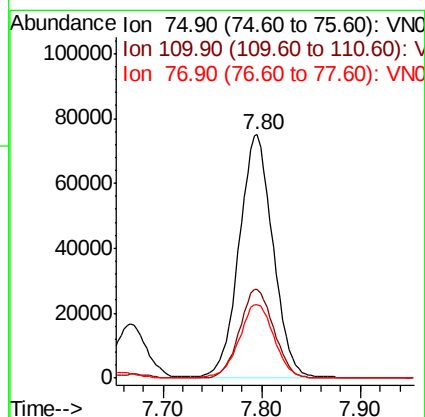
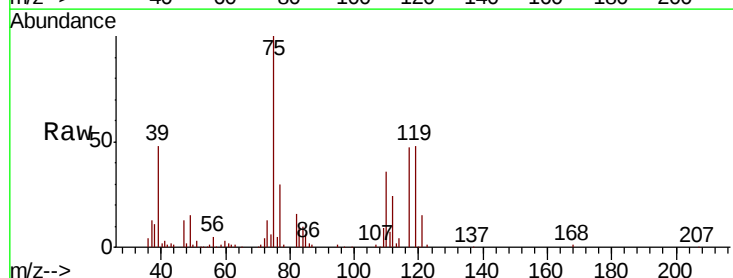
Instrument :
 MSVOA_N
 ClientSampled :
 VN0830WBSD01

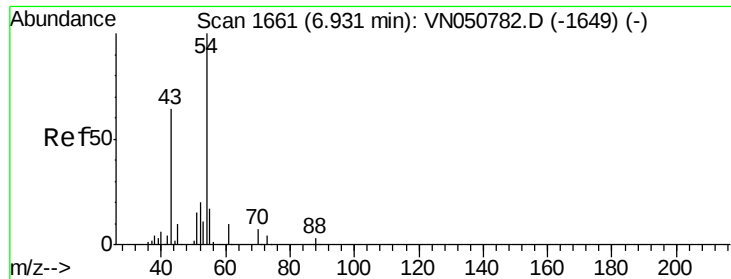
Tot Ion:113 Resp: 334379
 Ion Ratio Lower Upper
 113 100
 111 101.5 82.6 123.8
 192 23.1 18.0 27.0



#36
 1,1-Dichloropropene
 Concen: 18.23 ug/l
 RT: 7.80 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VN050956.D
 Acq: 30 Aug 2018 12:32

Tgt Ion: 75 Resp: 177770
 Ion Ratio Lower Upper
 75 100
 110 36.9 18.1 54.4
 77 31.3 24.8 37.2

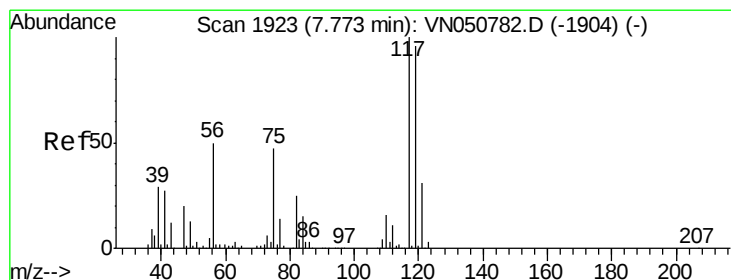
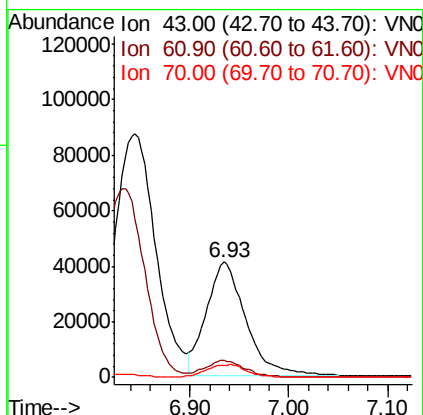
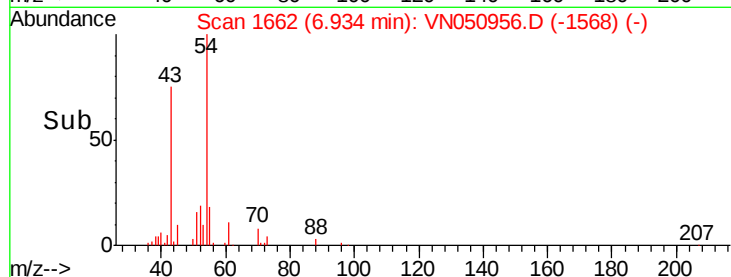
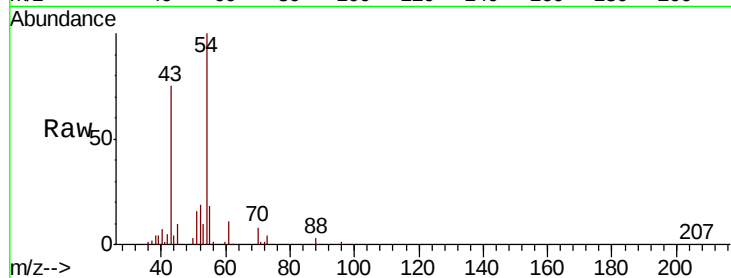




#37
Ethyl Acetate
Concen: 20.34 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VN050956.D
Acq: 30 Aug 2018 12:32

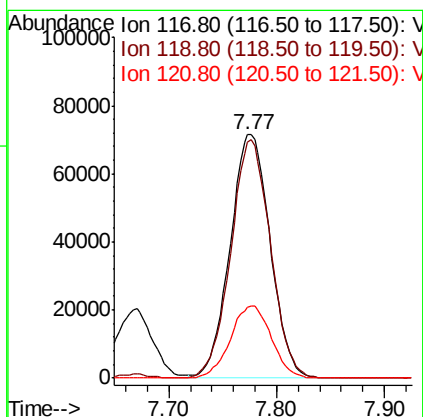
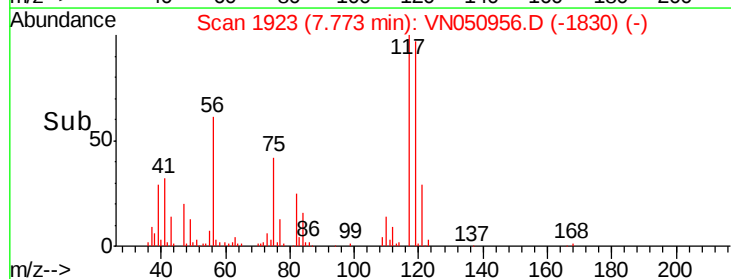
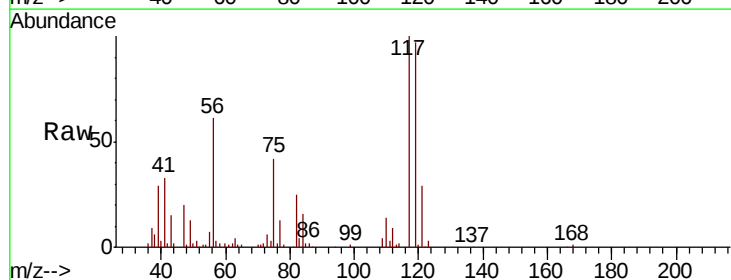
Instrument :
MSVOA_N
ClientSampleId :
VN0830WBSD01

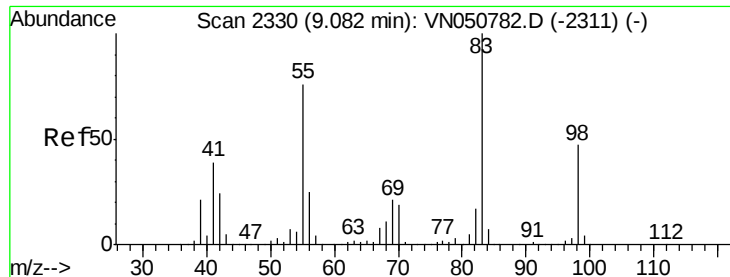
Tot Ion: 43 Resp: 113924
Ion Ratio Lower Upper
43 100
61 14.4 12.0 18.0
70 11.6 8.6 13.0



#38
Carbon Tetrachloride
Concen: 18.78 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VN050956.D
Acq: 30 Aug 2018 12:32

Tgt Ion: 117 Resp: 185097
Ion Ratio Lower Upper
117 100
119 96.8 76.3 114.5
121 28.8 24.6 36.8

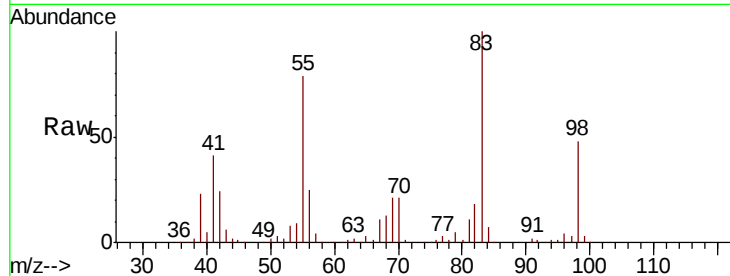




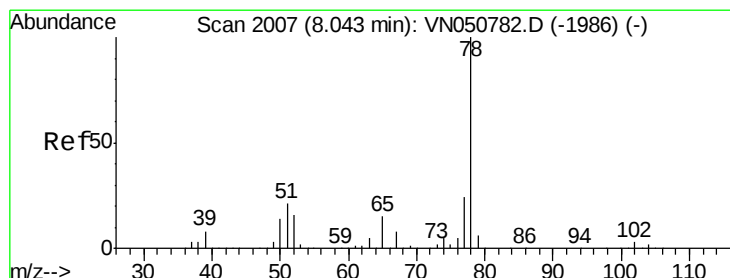
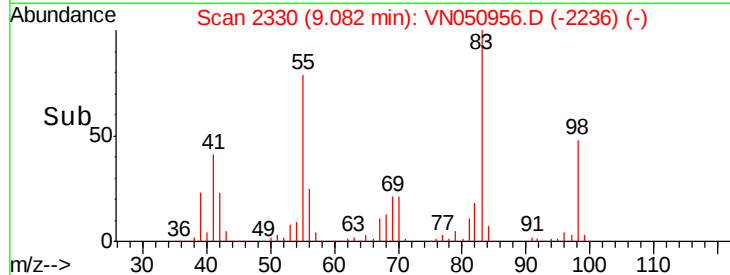
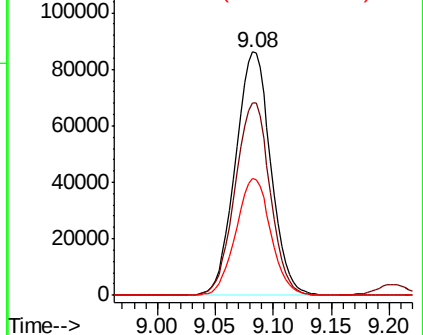
#39
Methvlcvclohexane
Concen: 17.25 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN050956.D
Acq: 30 Aug 2018 12:32

Instrument :
MSVOA_N
ClientSampleId :
VN0830WBSD01

Tot Ion: 83 Resp: 182020
Ion Ratio Lower Upper
83 100
55 79.3 61.0 91.4
98 47.9 37.5 56.3

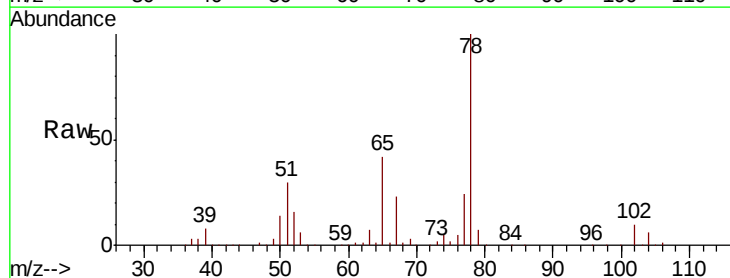


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

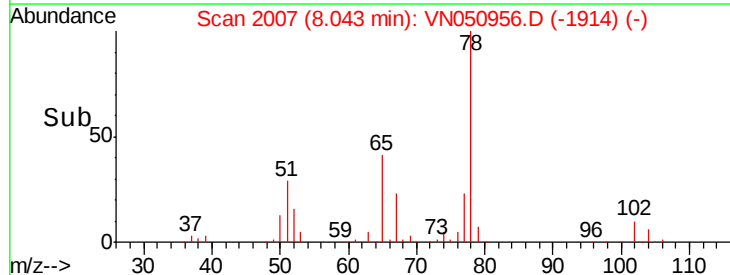
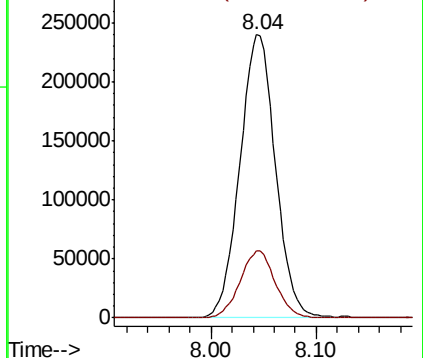


#40
Benzene
Concen: 19.14 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN050956.D
Acq: 30 Aug 2018 12:32

Tgt Ion: 78 Resp: 562913
Ion Ratio Lower Upper
78 100
77 23.5 19.0 28.4



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0

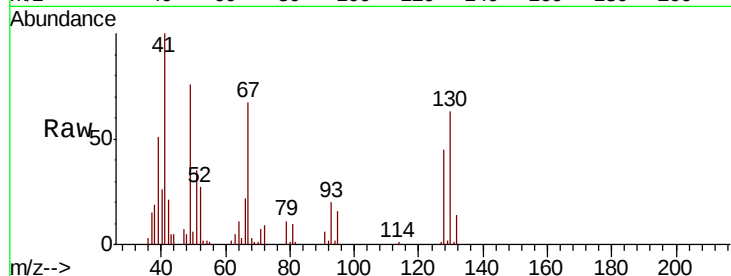




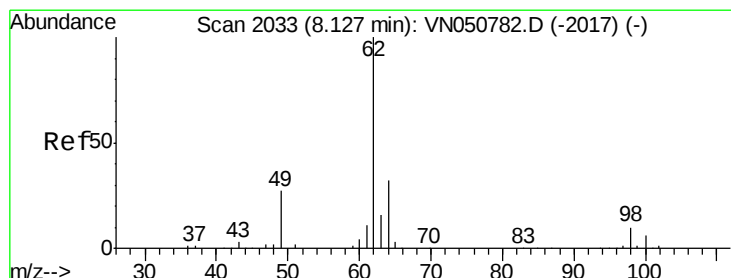
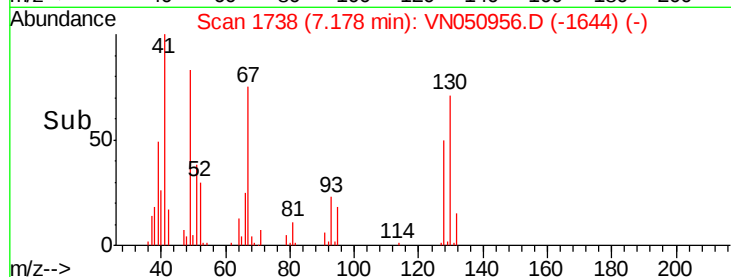
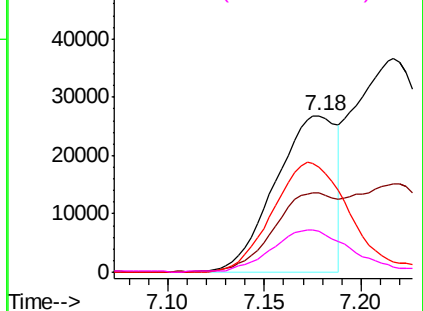
#41
Methacrylonitrile
Concen: 19.56 ug/l
RT: 7.18 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN050956.D
Acq: 30 Aug 2018 12:32

Instrument :
MSVOA_N
ClientSampleId :
VN0830WBSD01

Tot Ion:	41	Resp:	59304
Ion	Ratio	Lower	Upper
41	100		
39	51.1	45.4	68.0
67	88.5	70.6	106.0
52	36.7	27.1	40.7

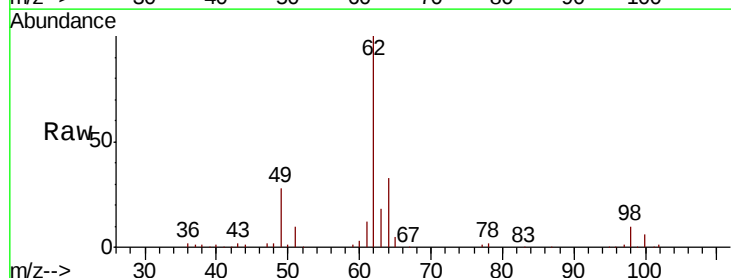


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

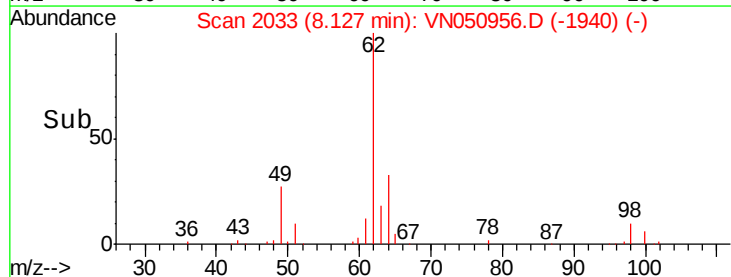
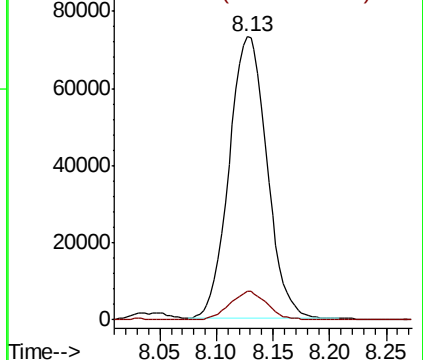


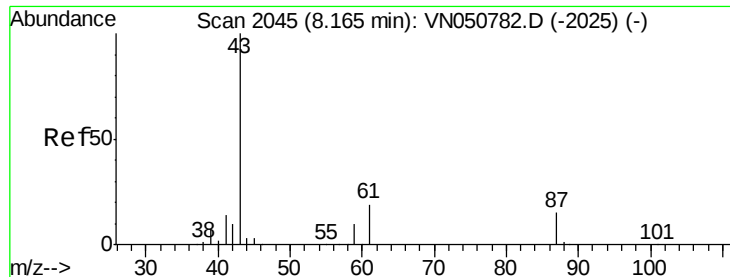
#42
1,2-Dichloroethane
Concen: 19.37 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN050956.D
Acq: 30 Aug 2018 12:32

Tgt Ion:	62	Resp:	170313
Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	19.6



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 20.96 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN050956.D

Acq: 30 Aug 2018 12:32

Instrument :

MSVOA_N

ClientSampleId :

VN0830WBSD01

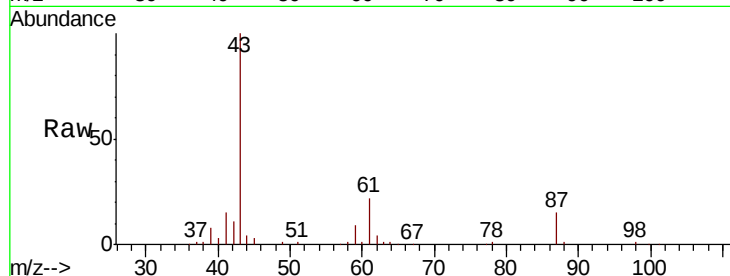
Tot Ion: 43 Resp: 201821

Ion Ratio Lower Upper

43 100

61 21.1 17.5 26.3

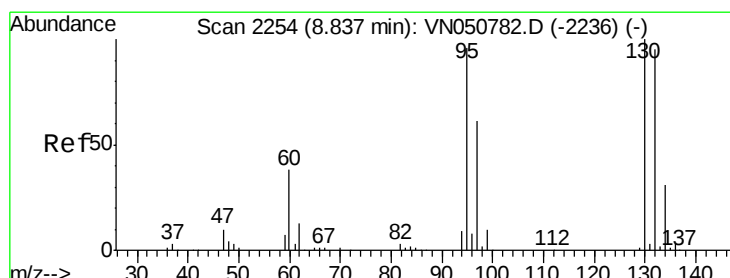
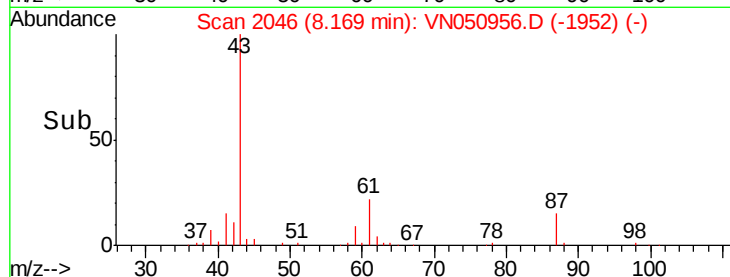
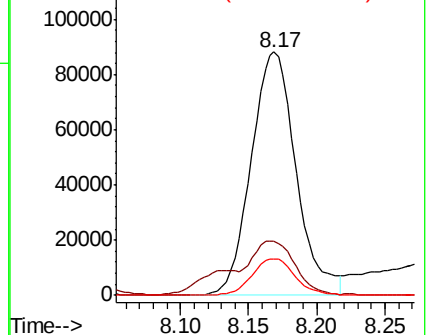
87 14.4 11.3 16.9



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

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

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



#44

Trichloroethene

Concen: 18.52 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. 0.00 min

Lab File: VN050956.D

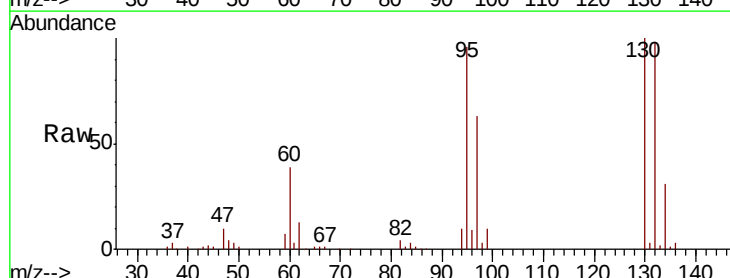
Acq: 30 Aug 2018 12:32

Tgt Ion: 130 Resp: 143639

Ion Ratio Lower Upper

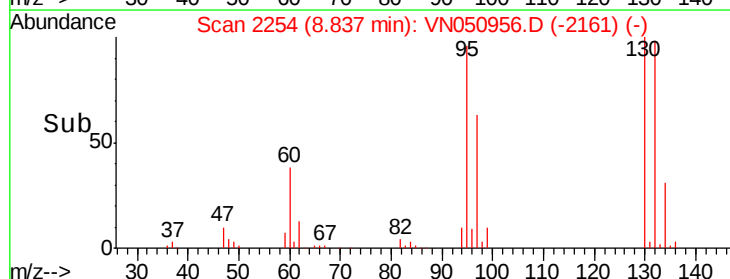
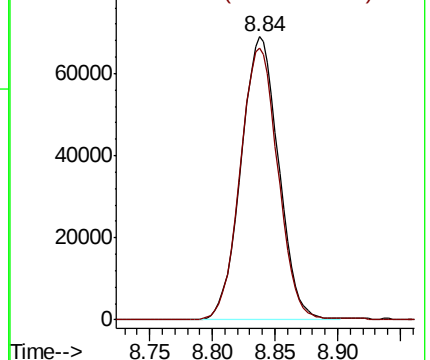
130 100

95 96.2 0.0 193.0



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

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

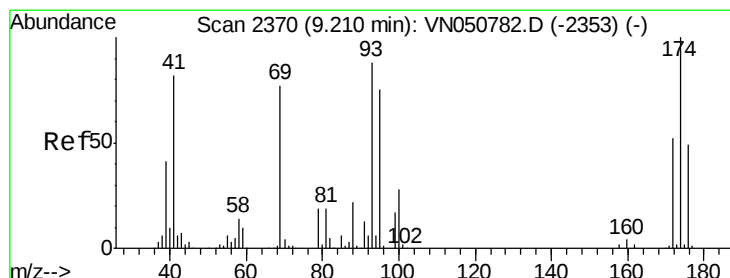
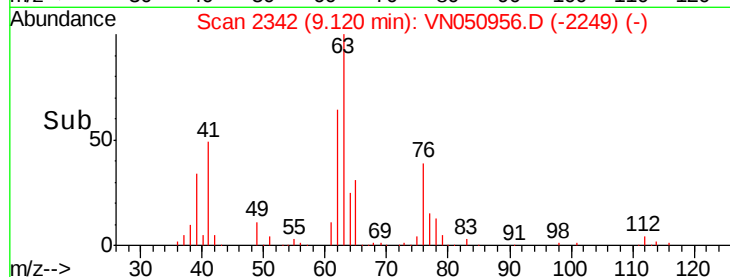
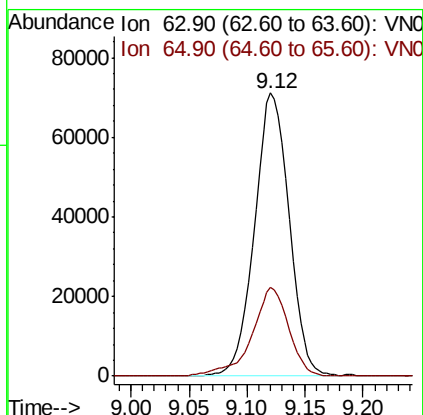
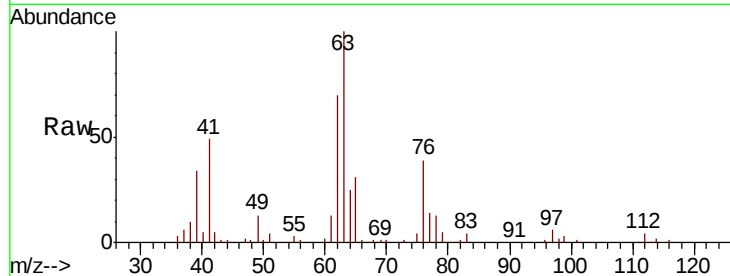




#45
 1,2-Dichloropropane
 Concen: 19.16 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. 0.00 min
 Lab File: VN050956.D
 Acq: 30 Aug 2018 12:32

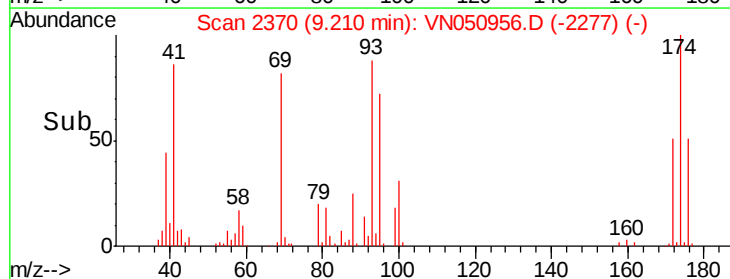
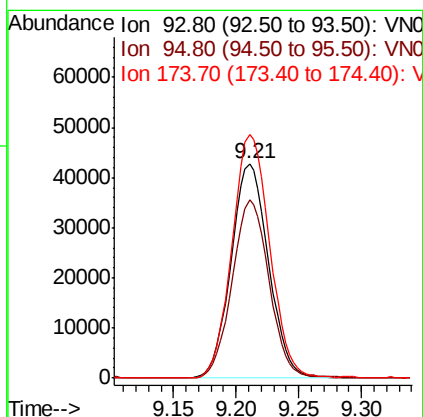
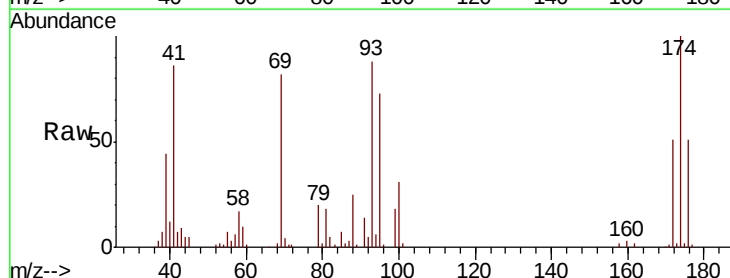
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0830WBSD01

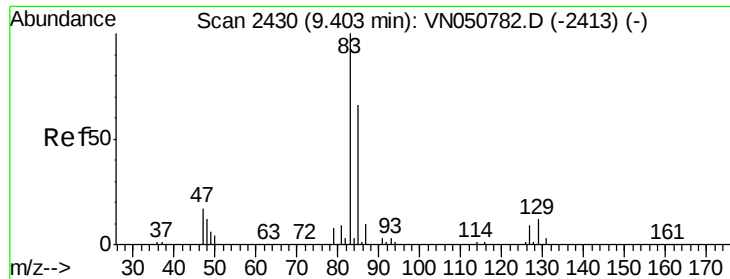
Tot Ion: 63 Resp: 148036
 Ion Ratio Lower Upper
 63 100
 65 31.2 25.0 37.6



#46
 Dibromomethane
 Concen: 19.60 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN050956.D
 Acq: 30 Aug 2018 12:32

Tgt Ion: 93 Resp: 88984
 Ion Ratio Lower Upper
 93 100
 95 82.1 66.7 100.1
 174 114.2 89.8 134.6





#47

Bromodichloromethane

Concen: 19.55 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VN050956.D

Acq: 30 Aug 2018 12:32

Instrument :

MSVOA_N

ClientSampleId :

VN0830WBSD01

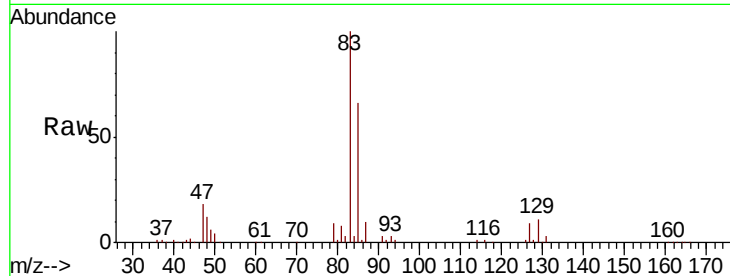
Tot Ion: 83 Resp: 185946

Ion Ratio Lower Upper

83 100

85 65.7 52.6 78.8

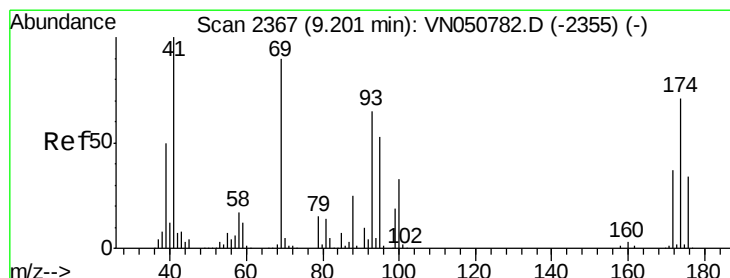
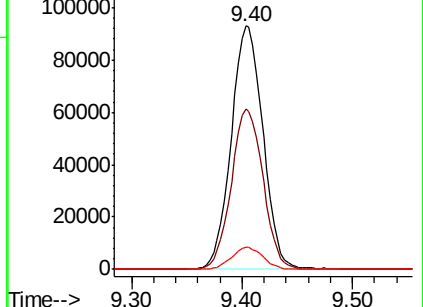
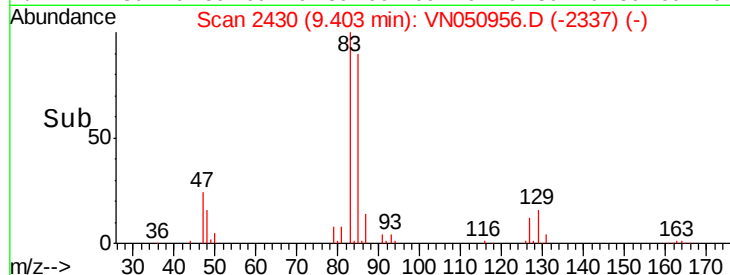
127 9.0 7.2 10.8



Abundance Ion 82.90 (82.60 to 83.60): VN050956.D (-2337) (-)

Ion 84.90 (84.60 to 85.60): VN050956.D (-2337) (-)

Ion 126.80 (126.50 to 127.50): VN050956.D (-2337) (-)



#48

Methyl methacrylate

Concen: 20.54 ug/l

RT: 9.20 min Scan# 2367

Delta R.T. 0.00 min

Lab File: VN050956.D

Acq: 30 Aug 2018 12:32

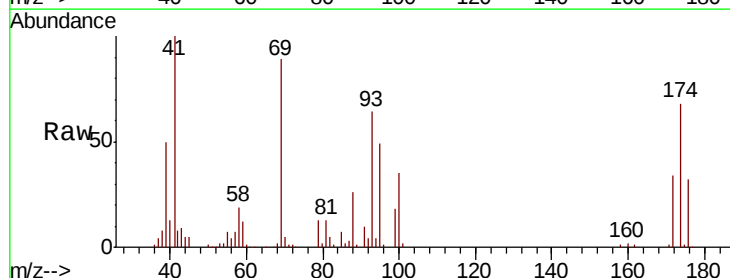
Tgt Ion: 41 Resp: 100801

Ion Ratio Lower Upper

41 100

69 93.4 74.7 112.1

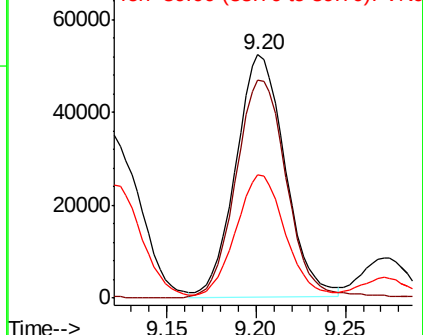
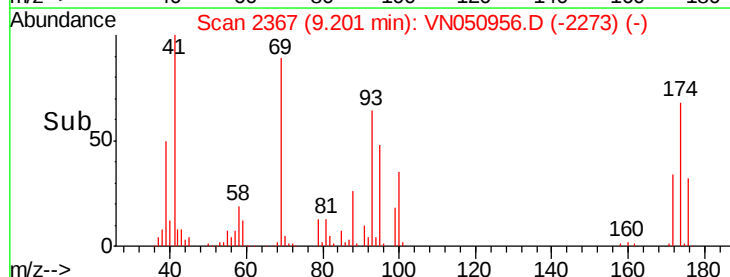
39 50.0 42.2 63.2

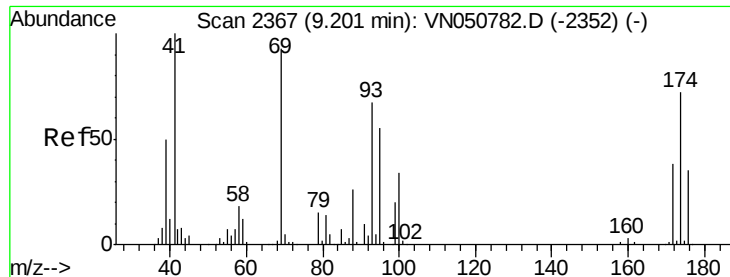


Abundance Ion 41.00 (40.70 to 41.70): VN050956.D (-2273) (-)

Ion 69.00 (68.70 to 69.70): VN050956.D (-2273) (-)

Ion 39.00 (38.70 to 39.70): VN050956.D (-2273) (-)





#49

1,4-Dioxane

Concen: 436.54 ug/l

RT: 9.20 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN050956.D

Acq: 30 Aug 2018 12:32

Instrument :

MSVOA_N

ClientSampleId :

VN0830WBSD01

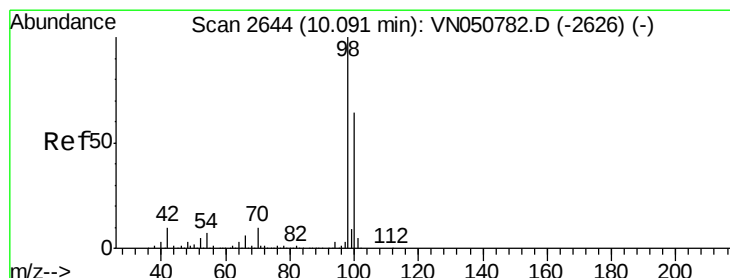
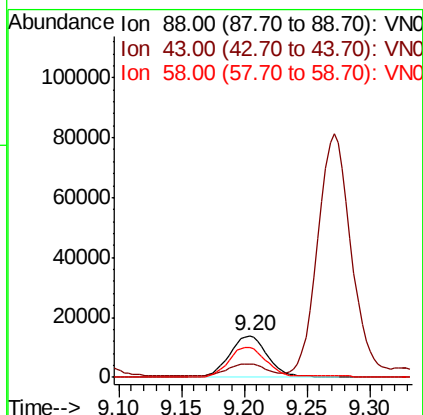
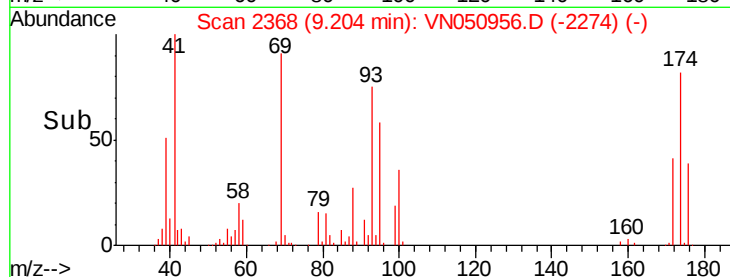
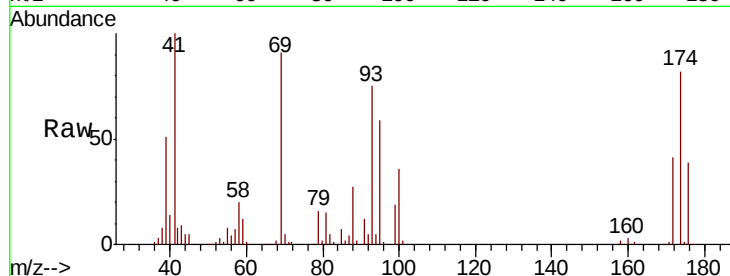
Tot Ion: 88 Resp: 29209

Ion Ratio Lower Upper

88 100

43 30.3 25.9 38.9

58 72.3 55.0 82.4



#50

Toluene-d8

Concen: 50.00 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VN050956.D

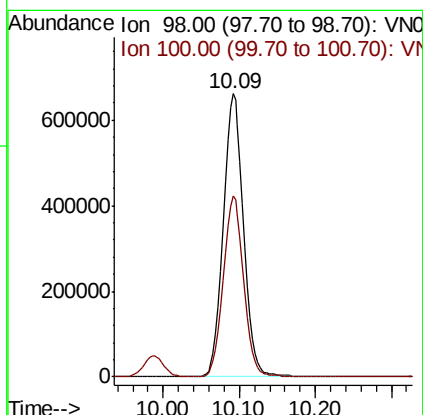
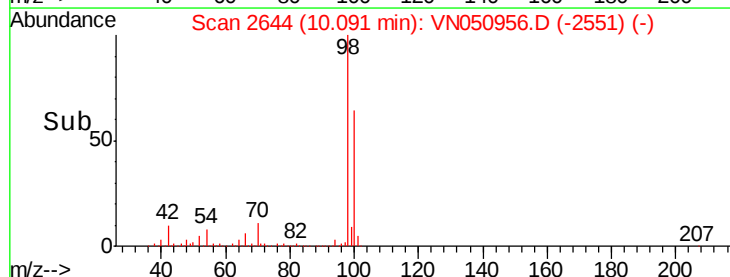
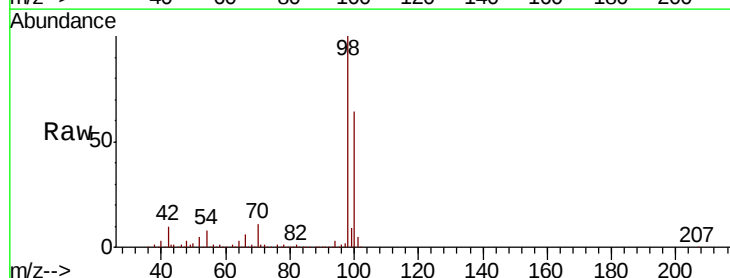
Acq: 30 Aug 2018 12:32

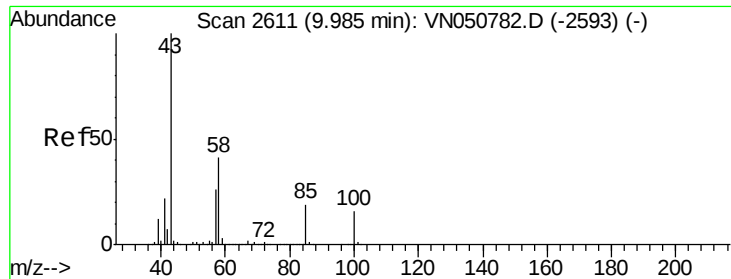
Tgt Ion: 98 Resp: 1229025

Ion Ratio Lower Upper

98 100

100 64.4 51.5 77.3

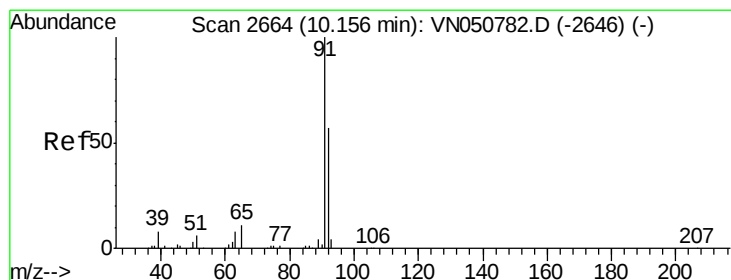
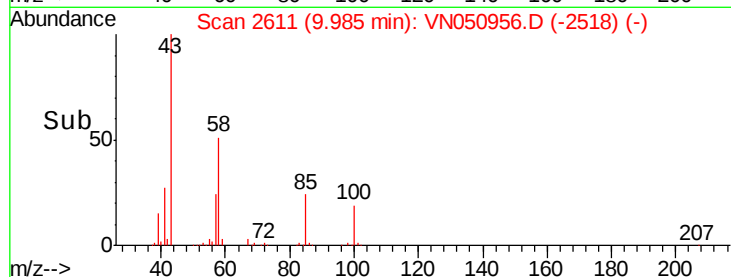
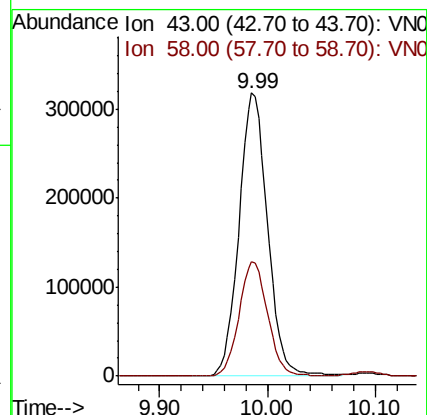
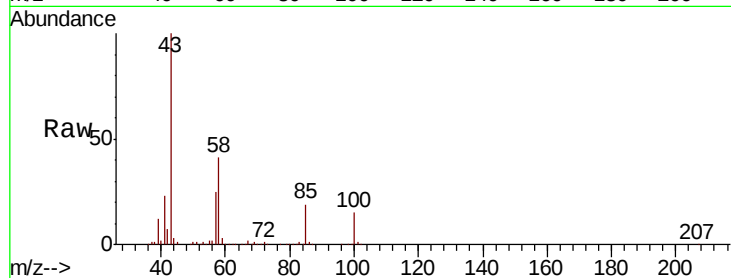




#51
 4-Methyl-2-Pentanone
 Concen: 102.16 ug/l
 RT: 9.99 min Scan# 2611
 Delta R.T. 0.00 min
 Lab File: VN050956.D
 Acq: 30 Aug 2018 12:32

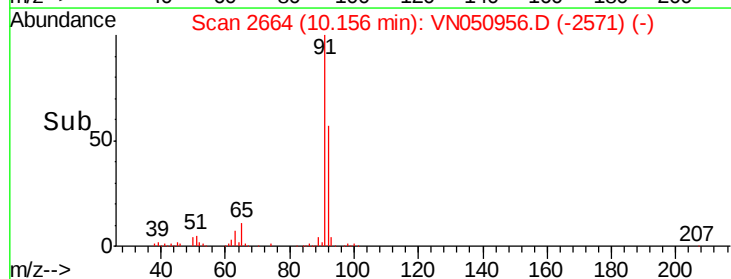
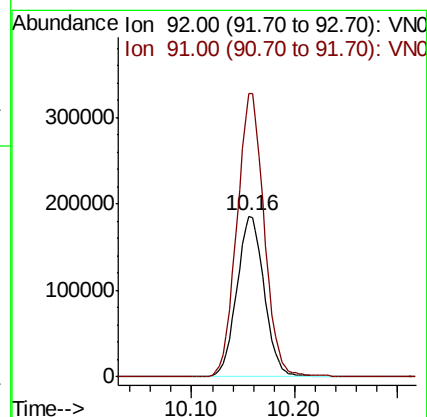
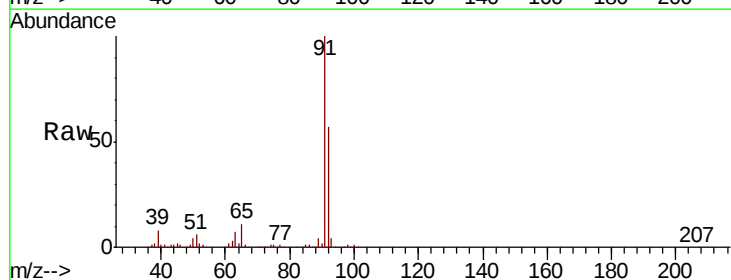
Instrument :
 MSVOA_N
 ClientSampleID :
 VN0830WBSD01

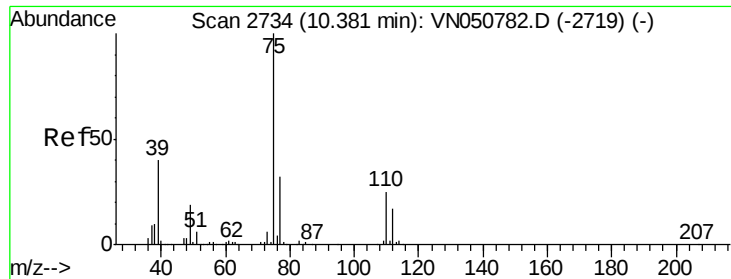
Tot Ion: 43 Resp: 587126
 Ion Ratio Lower Upper
 43 100
 58 40.6 32.4 48.6



#52
 Toluene
 Concen: 19.86 ug/l
 RT: 10.16 min Scan# 2664
 Delta R.T. 0.00 min
 Lab File: VN050956.D
 Acq: 30 Aug 2018 12:32

Tgt Ion: 92 Resp: 345962
 Ion Ratio Lower Upper
 92 100
 91 174.8 140.6 211.0





#53

t-1,3-Dichloropropene

Concen: 18.70 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN050956.D

Acq: 30 Aug 2018 12:32

Instrument :

MSVOA_N

ClientSampled :

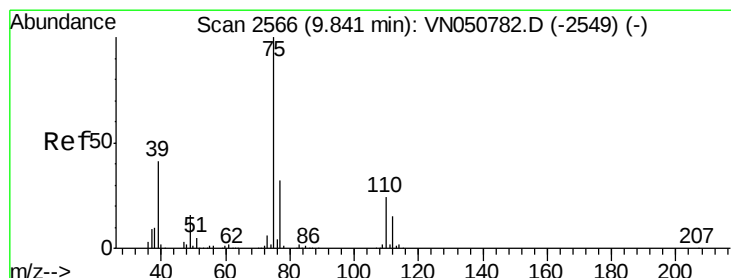
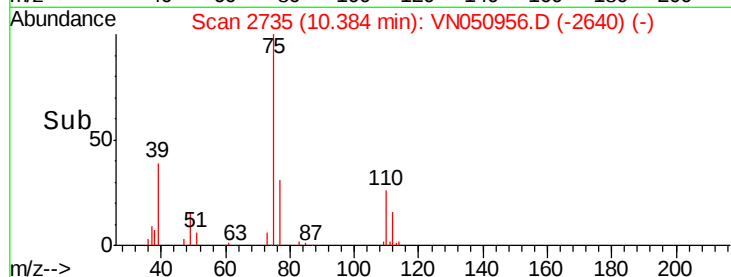
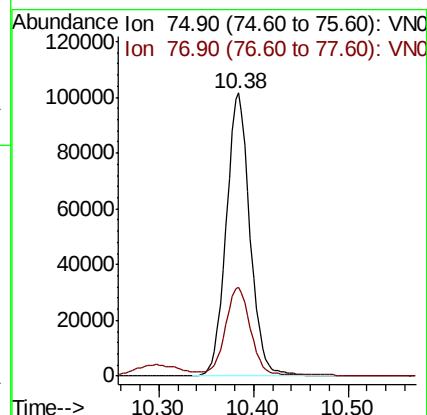
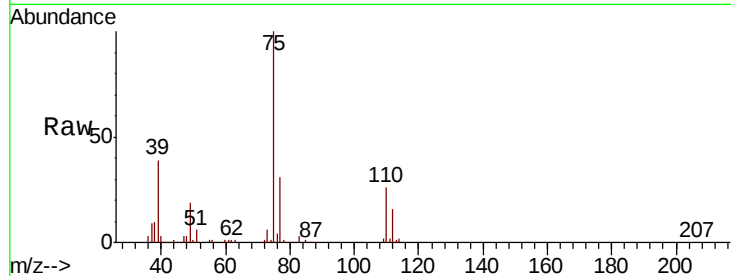
VN0830WBSD01

Tot Ion: 75 Resp: 177033

Ion Ratio Lower Upper

75 100

77 31.2 25.7 38.5



#54

cis-1,3-Dichloropropene

Concen: 19.25 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VN050956.D

Acq: 30 Aug 2018 12:32

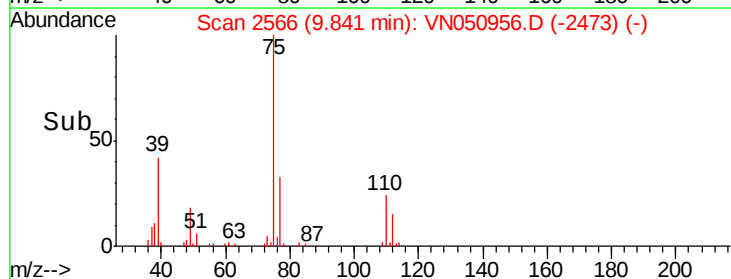
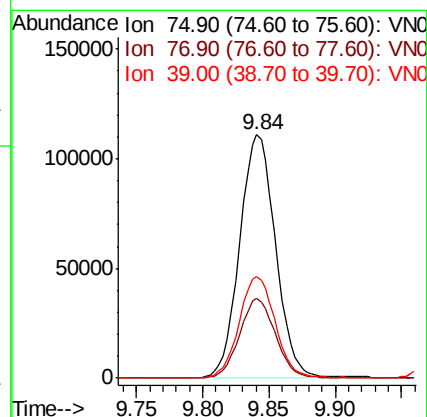
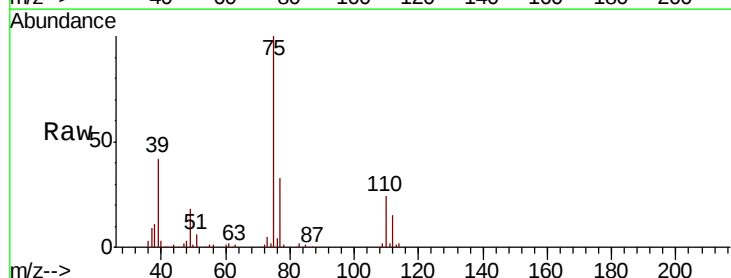
Tgt Ion: 75 Resp: 208711

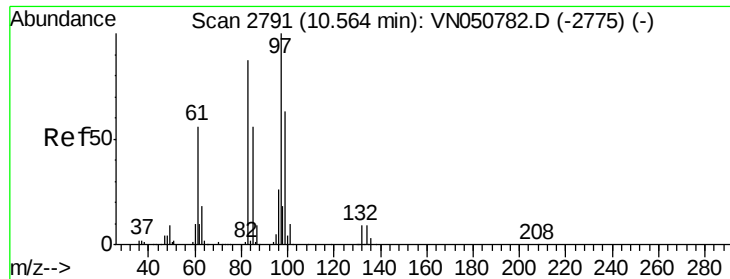
Ion Ratio Lower Upper

75 100

77 32.5 25.4 38.2

39 41.7 33.0 49.4

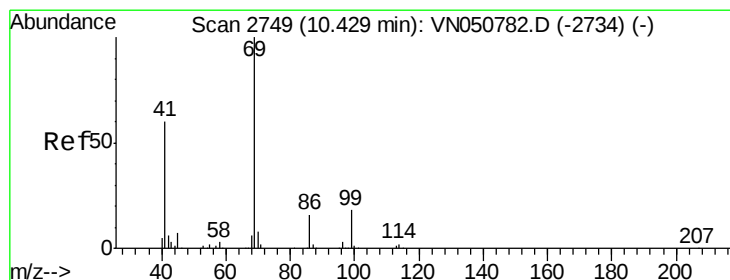
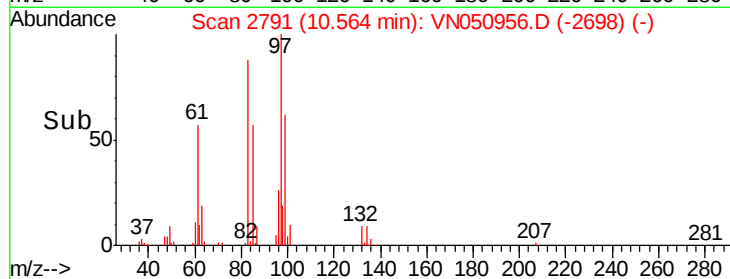
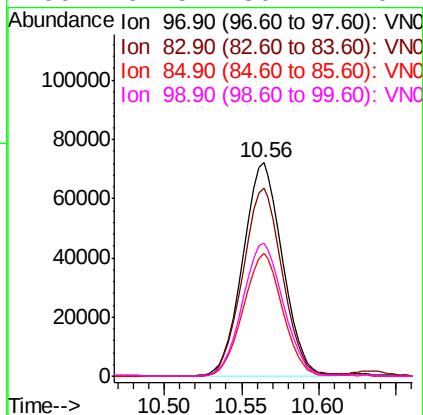
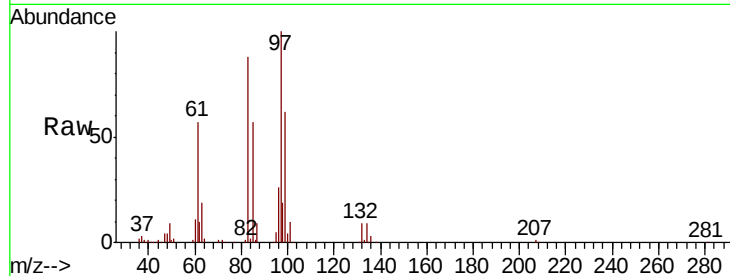




#55
 1,1,2-Trichloroethane
 Concen: 19.92 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN050956.D
 Acq: 30 Aug 2018 12:32

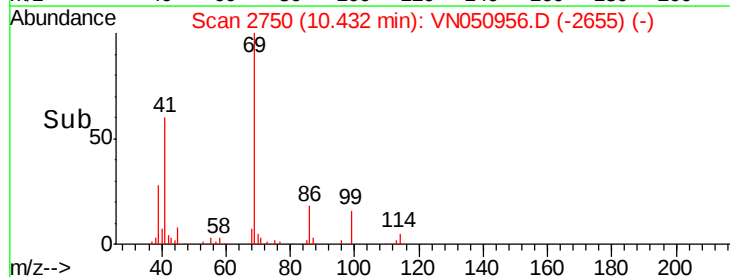
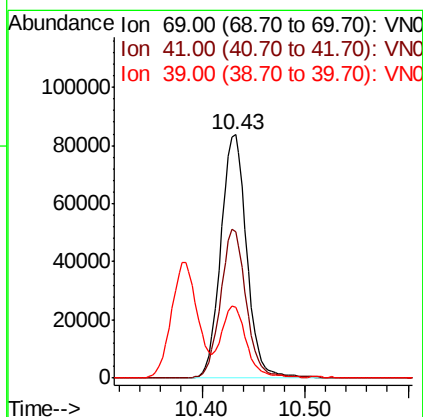
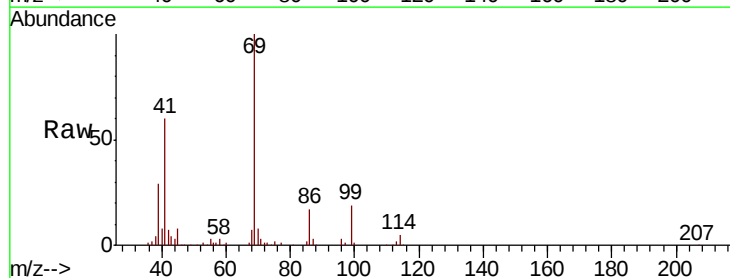
Instrument :
 MSVOA_N
 ClientSampleID :
 VN0830WBSD01

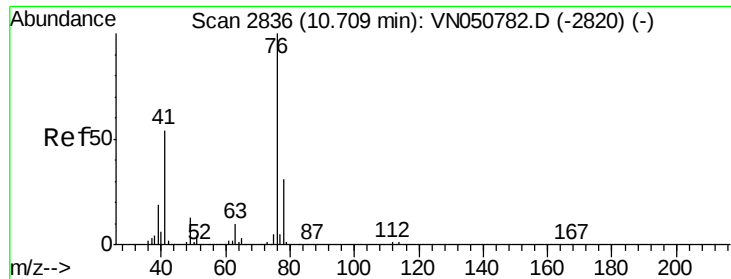
Tot Ion	Ratio	Lower	Upper
97	100		
83	87.9	69.7	104.5
85	57.4	44.5	66.7
99	62.5	50.7	76.1



#56
 Ethyl methacrylate
 Concen: 18.93 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN050956.D
 Acq: 30 Aug 2018 12:32

Tgt Ion	Ratio	Lower	Upper
69	100		
41	59.9	48.3	72.5
39	28.6	24.0	36.0





#57

1,3-Dichloropropane

Concen: 19.98 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. 0.00 min

Lab File: VN050956.D

Acq: 30 Aug 2018 12:32

Instrument :

MSVOA_N

ClientSampled :

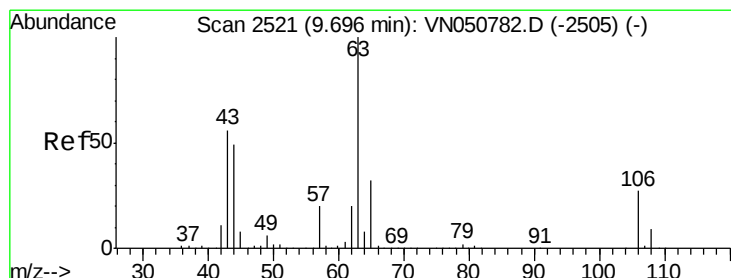
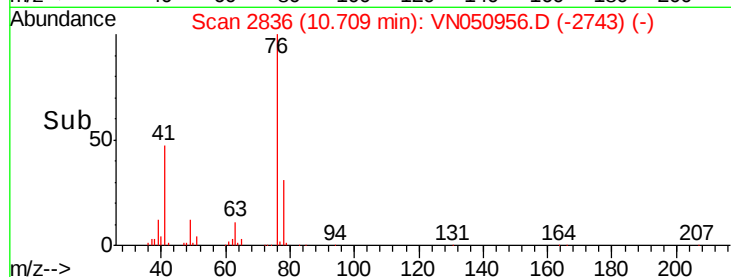
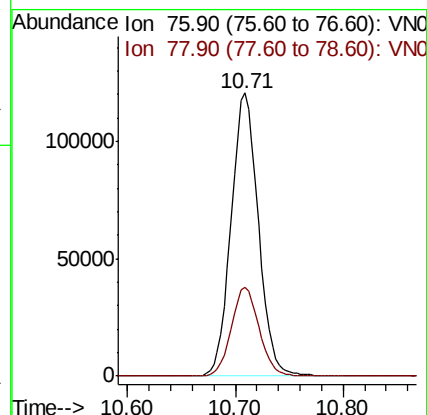
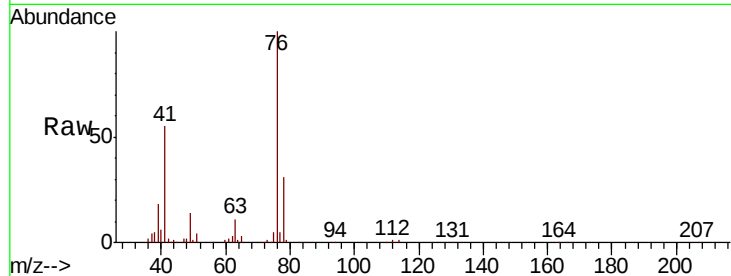
VN0830WBSD01

Tot Ion: 76 Resp: 213222

Ion Ratio Lower Upper

76 100

78 31.8 25.5 38.3



#58

2-Chloroethyl Vinyl ether

Concen: 92.87 ug/l

RT: 9.70 min Scan# 2521

Delta R.T. 0.00 min

Lab File: VN050956.D

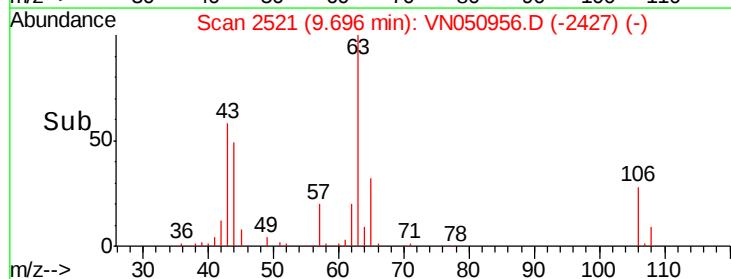
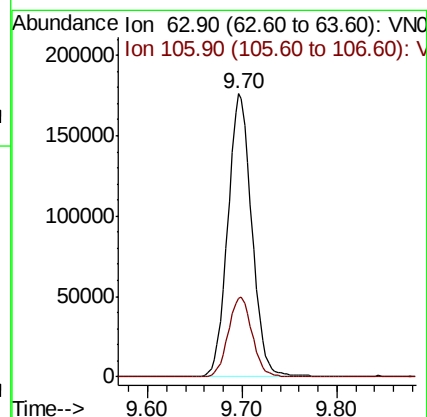
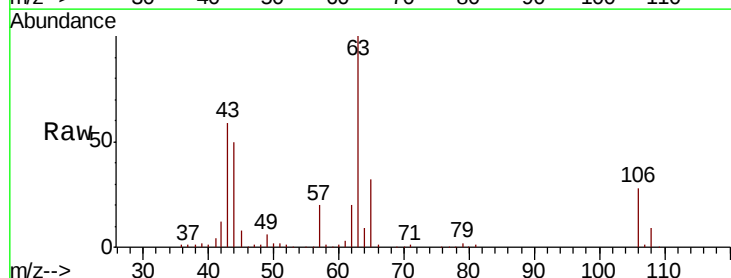
Acq: 30 Aug 2018 12:32

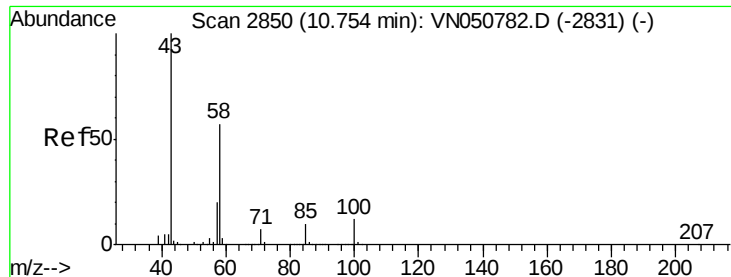
Tgt Ion: 63 Resp: 311182

Ion Ratio Lower Upper

63 100

106 28.0 21.9 32.9

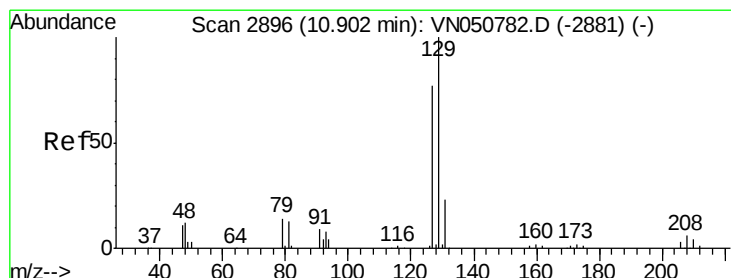
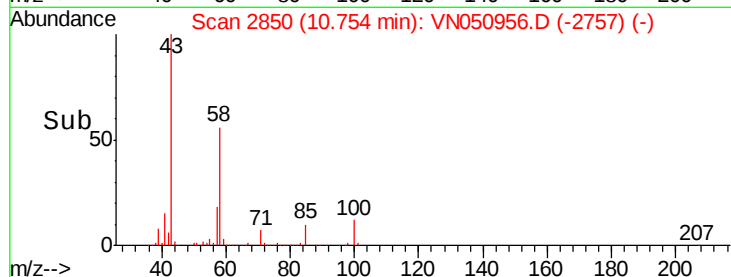
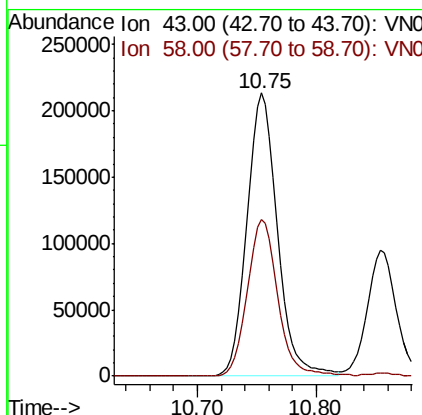
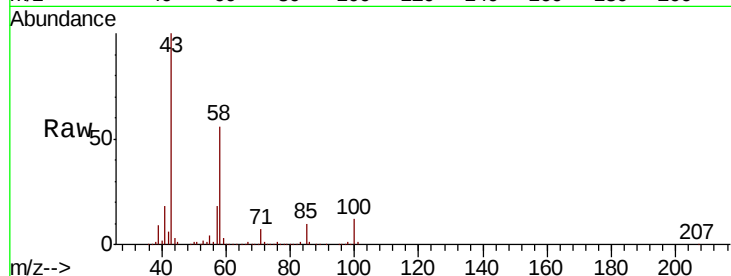




#59
2-Hexanone
Concen: 98.47 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN050956.D
Acq: 30 Aug 2018 12:32

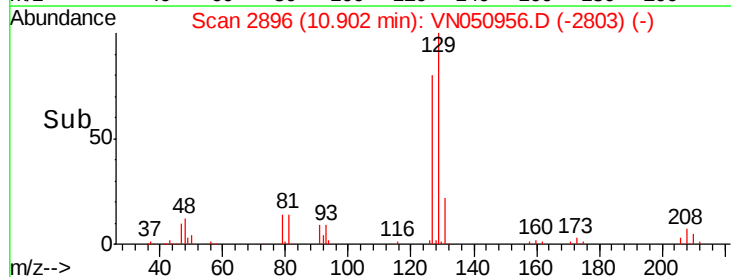
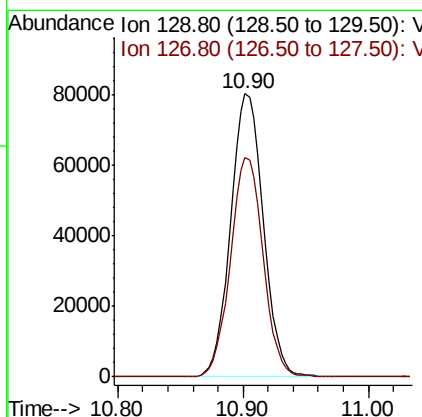
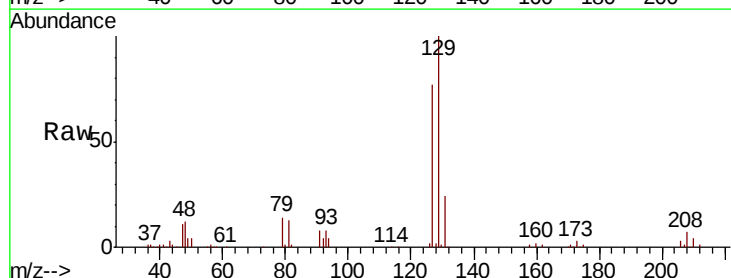
Instrument :
MSVOA_N
ClientSampleId :
VN0830WBSD01

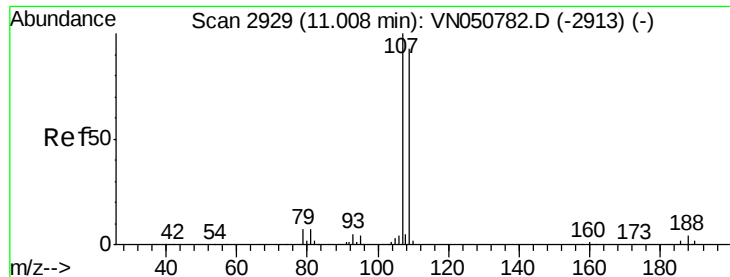
Tot Ion: 43 Resp: 376754
Ion Ratio Lower Upper
43 100
58 55.6 28.3 85.0



#60
Dibromochloromethane
Concen: 20.07 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. 0.00 min
Lab File: VN050956.D
Acq: 30 Aug 2018 12:32

Tgt Ion: 129 Resp: 145301
Ion Ratio Lower Upper
129 100
127 77.2 38.3 114.9





#61

1,2-Dibromoethane

Concen: 19.80 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. 0.00 min

Lab File: VN050956.D

Acq: 30 Aug 2018 12:32

Instrument :

MSVOA_N

ClientSampleId :

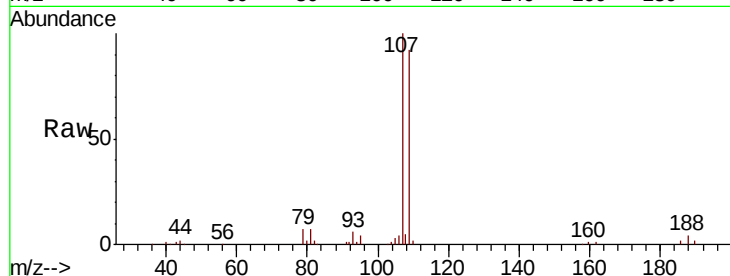
VN0830WBSD01

Tot Ion: 107 Resp: 123765

Ion Ratio Lower Upper

107 100

109 93.2 75.4 113.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.01

80000

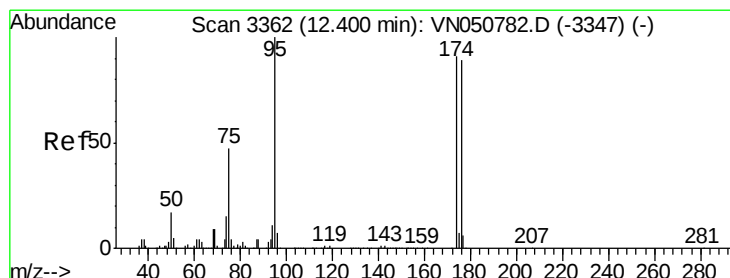
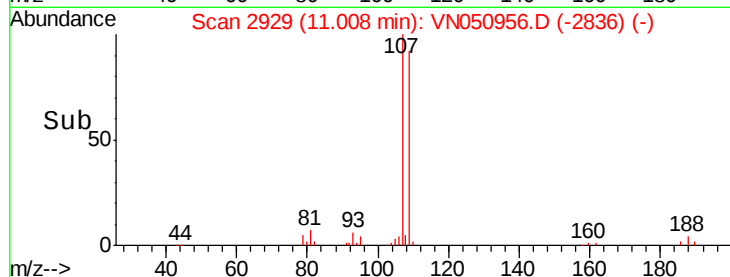
60000

40000

20000

0

Time--> 10.90 11.00 11.10



#62

4-Bromofluorobenzene

Concen: 48.79 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050956.D

Acq: 30 Aug 2018 12:32

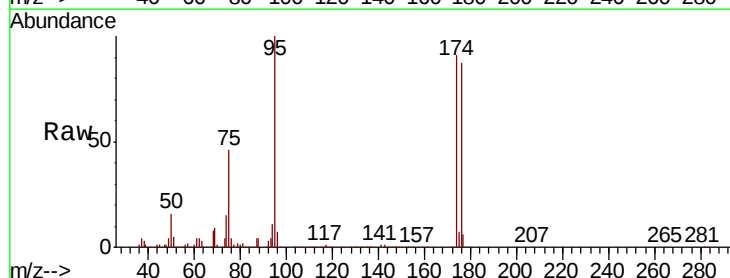
Tgt Ion: 95 Resp: 398483

Ion Ratio Lower Upper

95 100

174 91.7 0.0 183.0

176 88.0 0.0 178.8



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

300000

250000

200000

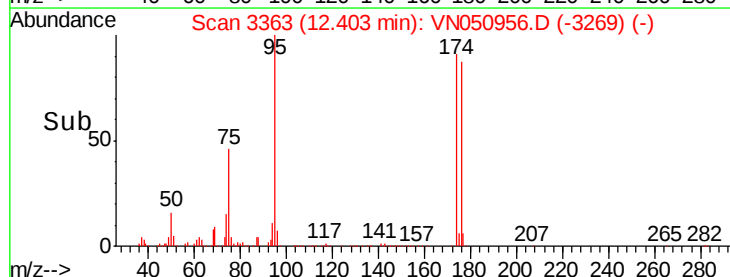
150000

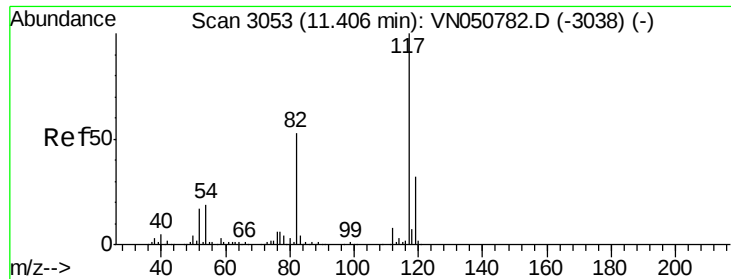
100000

50000

0

Time--> 12.35 12.40 12.45

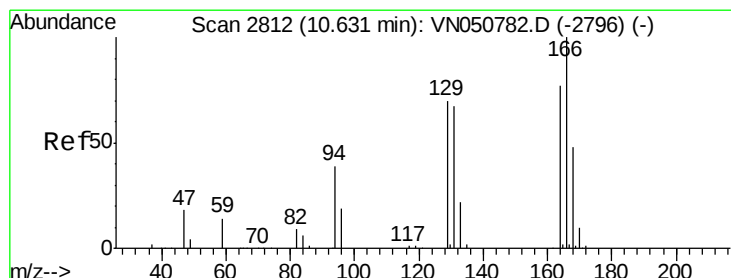
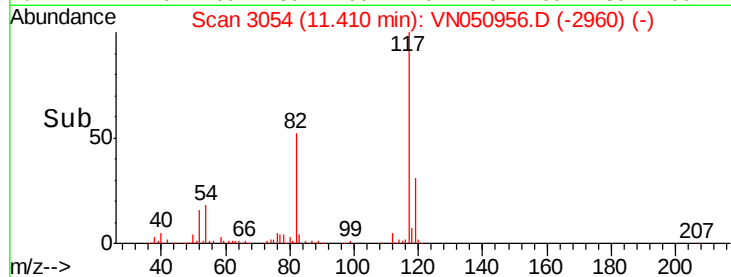
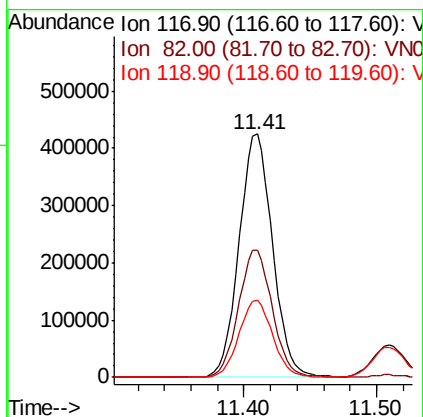
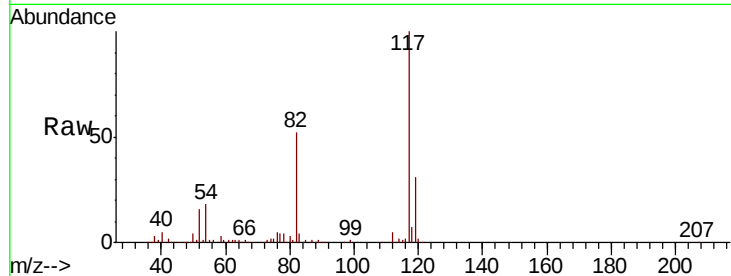




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050956.D
Acq: 30 Aug 2018 12:32

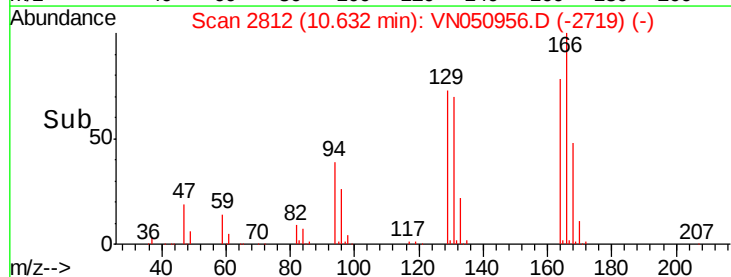
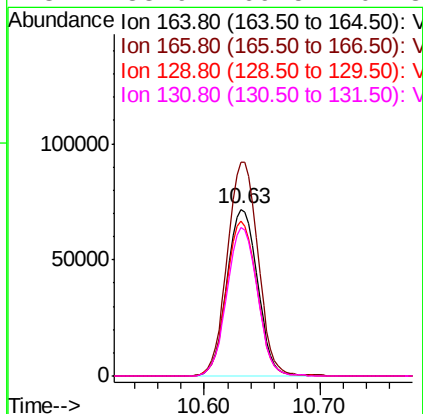
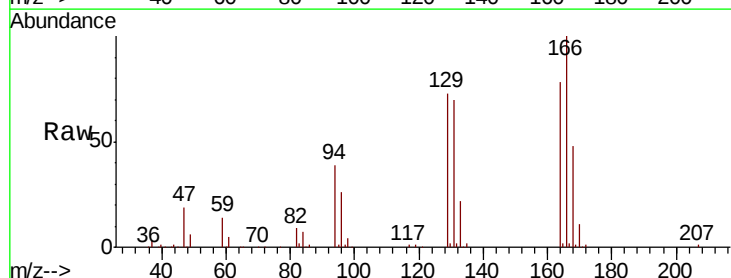
Instrument :
MSVOA_N
ClientSampleId :
VN0830WBSD01

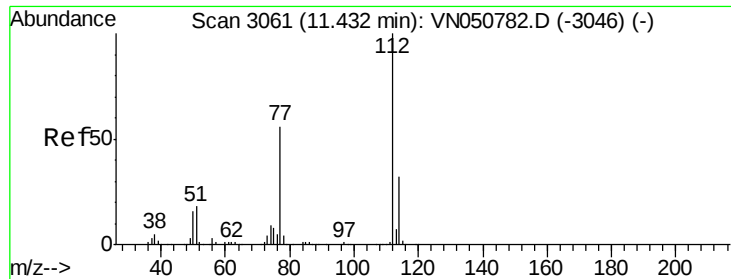
Tot Ion:117 Resp: 745795
Ion Ratio Lower Upper
117 100
82 52.2 42.6 64.0
119 31.5 25.8 38.6



#64
Tetrachloroethene
Concen: 18.53 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. 0.00 min
Lab File: VN050956.D
Acq: 30 Aug 2018 12:32

Tgt Ion:164 Resp: 131250
Ion Ratio Lower Upper
164 100
166 127.9 103.5 155.3
129 93.0 72.7 109.1
131 88.9 69.5 104.3

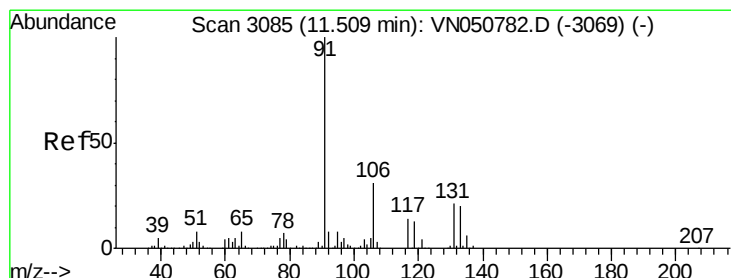
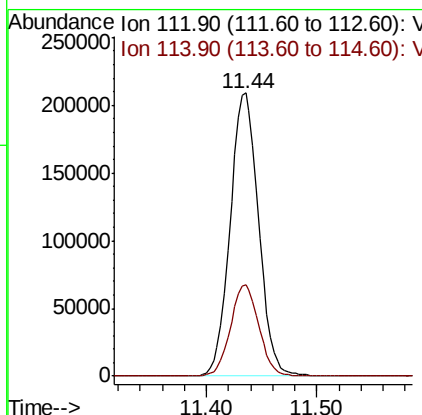
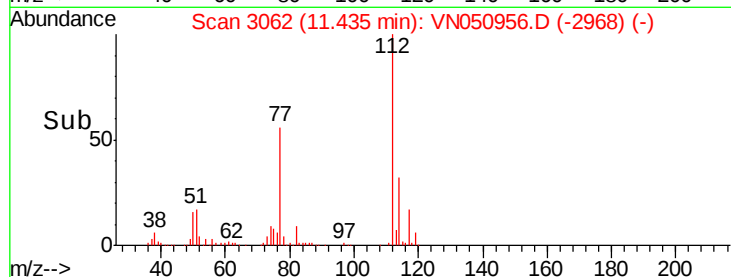
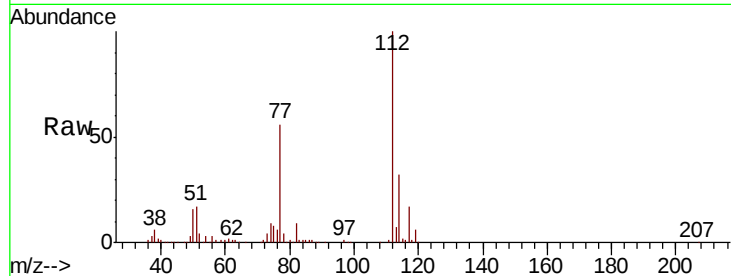




#65
Chlorobenzene
Concen: 19.17 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN050956.D
Acq: 30 Aug 2018 12:32

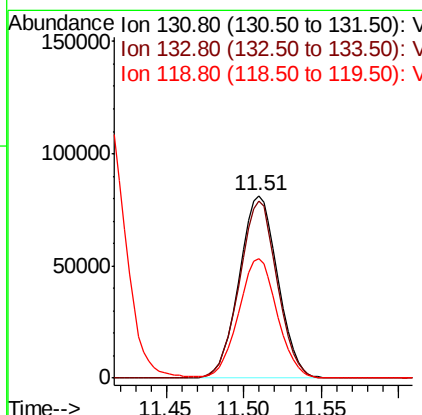
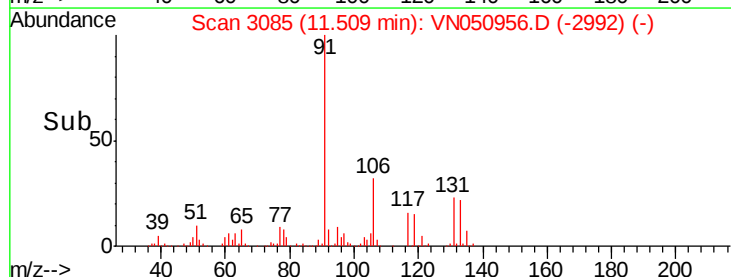
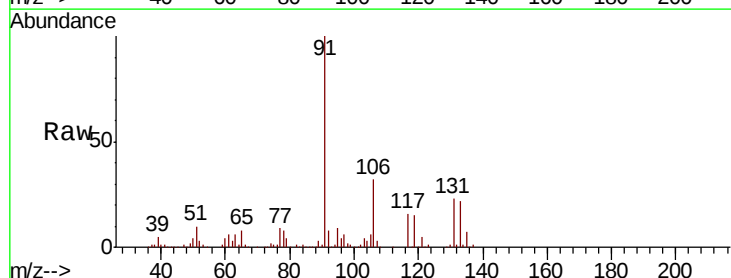
Instrument :
MSVOA_N
ClientSampleId :
VN0830WBSD01

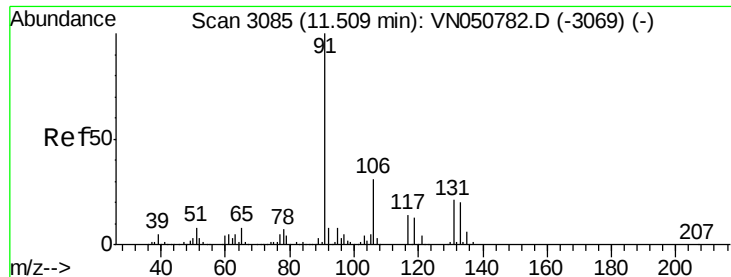
Tot Ion:112 Resp: 373709
Ion Ratio Lower Upper
112 100
114 32.2 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 19.78 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. 0.00 min
Lab File: VN050956.D
Acq: 30 Aug 2018 12:32

Tgt Ion:131 Resp: 141094
Ion Ratio Lower Upper
131 100
133 95.4 47.4 142.3
119 65.3 32.8 98.4





#67

Ethyl Benzene

Concen: 18.95 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN050956.D

Acq: 30 Aug 2018 12:32

Instrument :

MSVOA_N

ClientSampled :

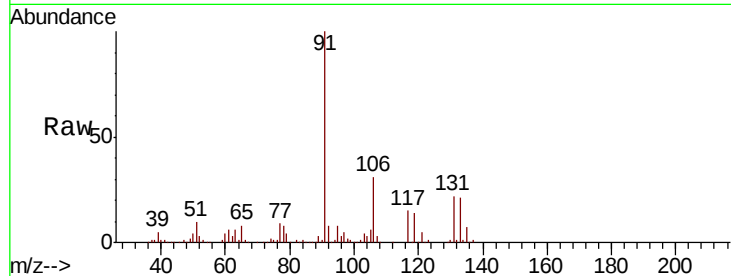
VN0830WBSD01

Tot Ion: 91 Resp: 600618

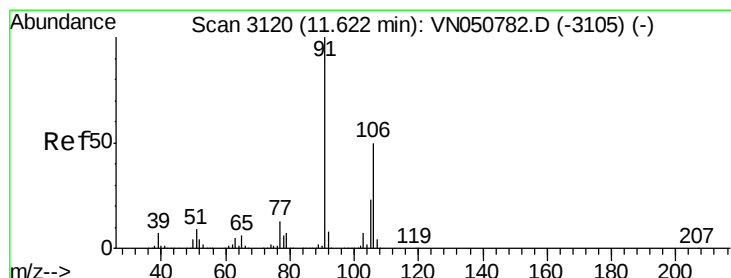
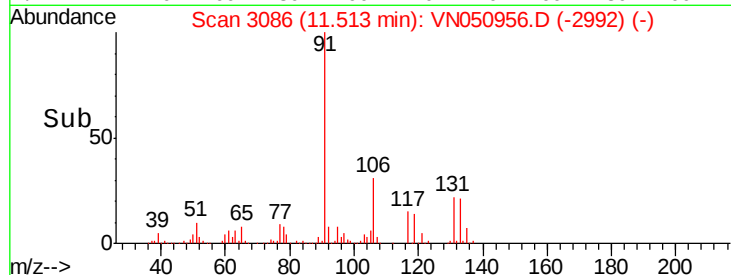
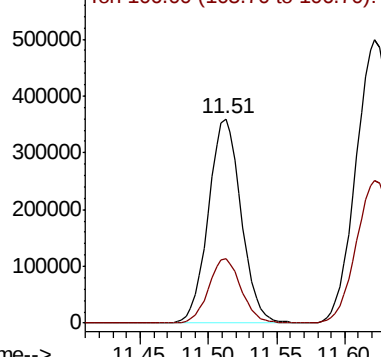
Ion Ratio Lower Upper

91 100

106 31.5 25.0 37.4



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



#68

m/p-Xylenes

Concen: 39.98 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. 0.00 min

Lab File: VN050956.D

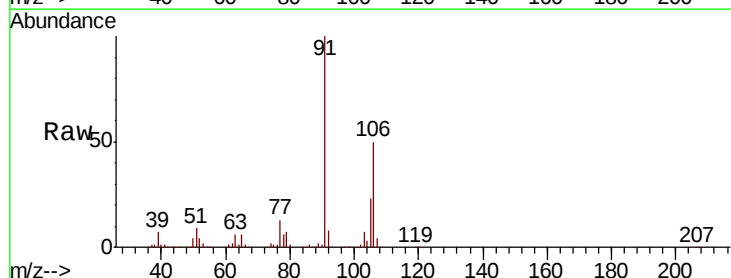
Acq: 30 Aug 2018 12:32

Tgt Ion: 106 Resp: 480942

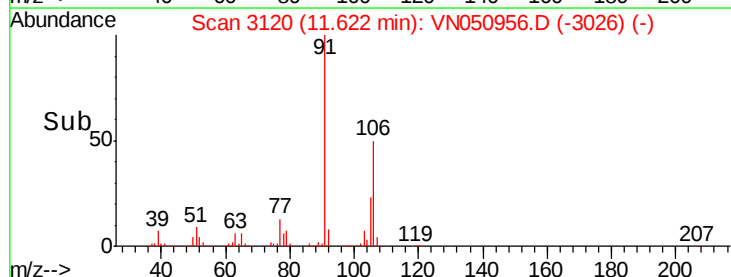
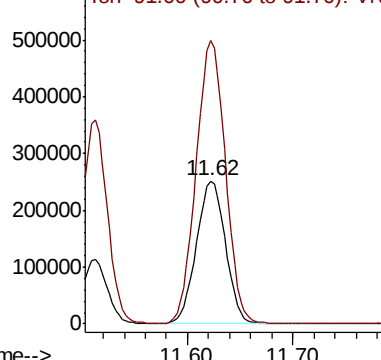
Ion Ratio Lower Upper

106 100

91 199.5 161.0 241.6



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

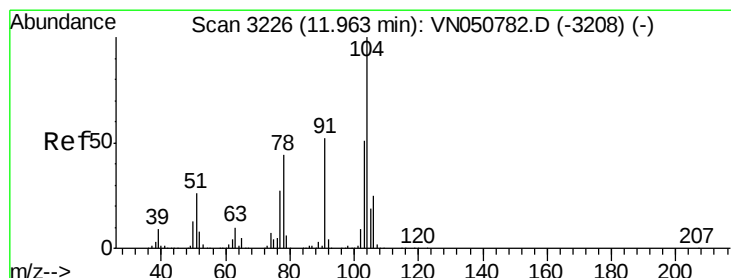
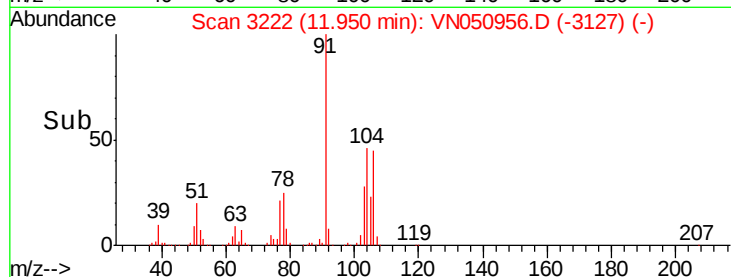
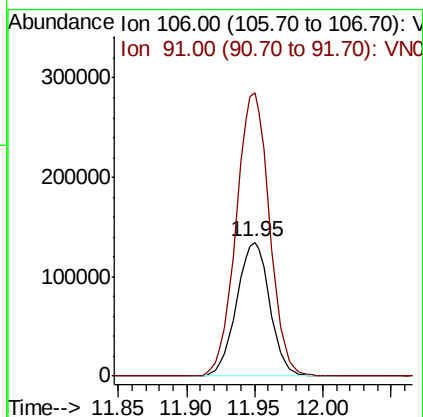
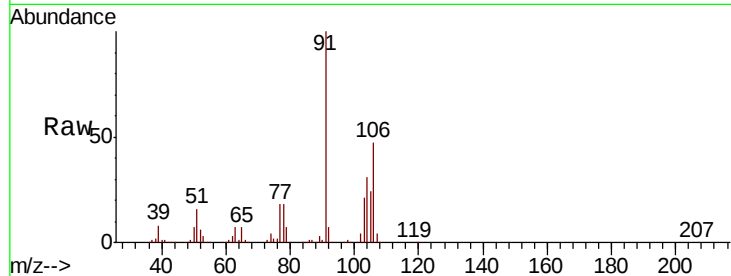




#69
o-Xylene
Concen: 19.65 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN050956.D
Acq: 30 Aug 2018 12:32

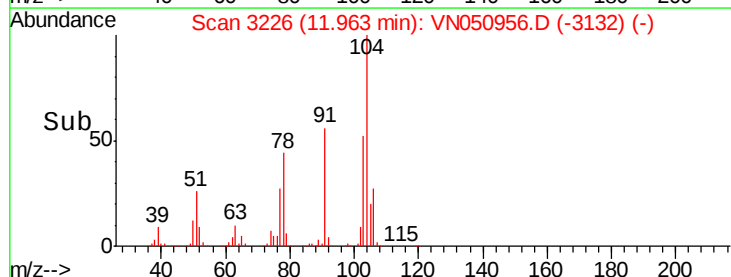
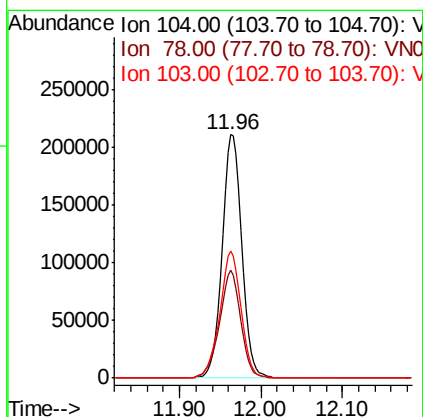
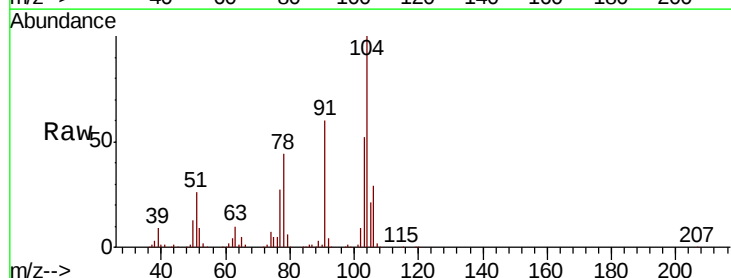
Instrument :
MSVOA_N
ClientSampleId :
VN0830WBSD01

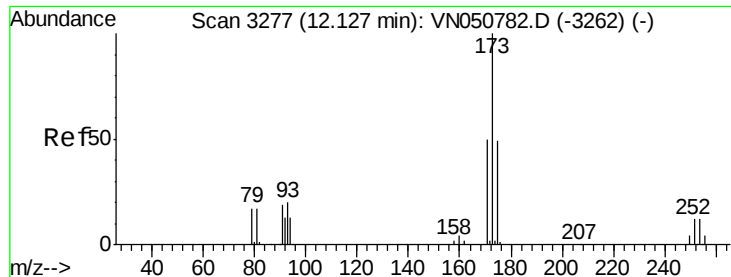
Tot Ion:106 Resp: 227213
Ion Ratio Lower Upper
106 100
91 212.7 106.5 319.5



#70
Styrene
Concen: 18.60 ug/l
RT: 11.96 min Scan# 3226
Delta R.T. 0.00 min
Lab File: VN050956.D
Acq: 30 Aug 2018 12:32

Tgt Ion:104 Resp: 362435
Ion Ratio Lower Upper
104 100
78 47.6 38.2 57.4
103 56.1 44.4 66.6

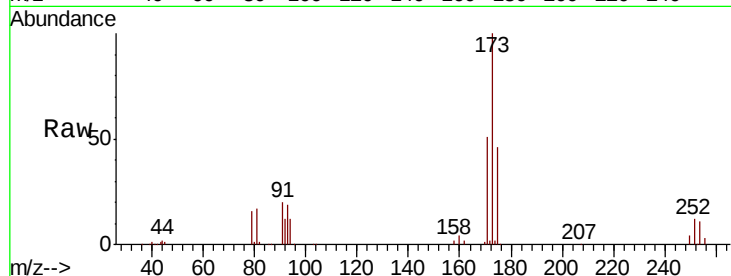




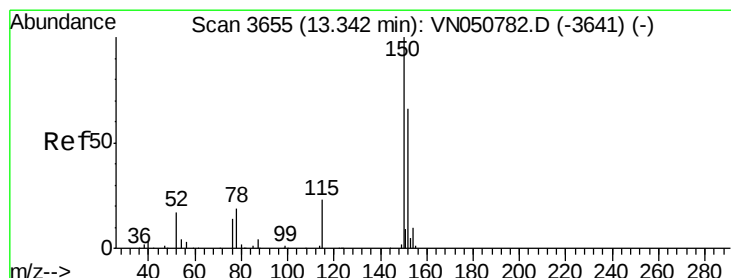
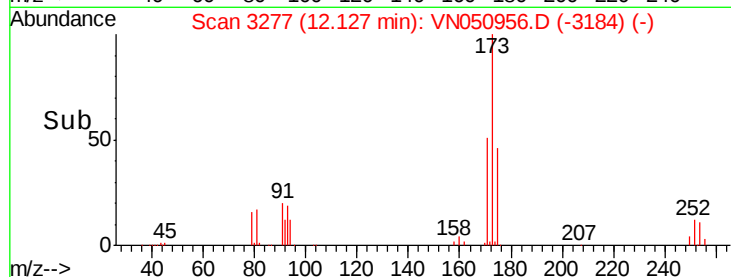
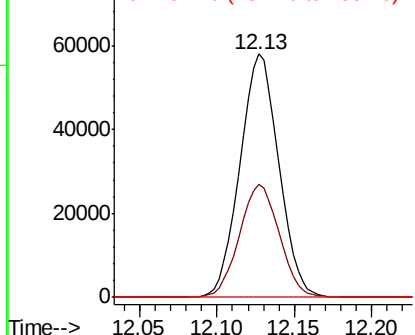
#71
Bromoform
Concen: 20.68 ug/l
RT: 12.13 min Scan# 3277
Delta R.T. 0.00 min
Lab File: VN050956.D
Acq: 30 Aug 2018 12:32

Instrument :
MSVOA_N
ClientSampleId :
VN0830WBSD01

Tot Ion:173 Resp: 101422
Ion Ratio Lower Upper
173 100
175 47.5 24.4 73.4
254 0.0 0.1 0.1#

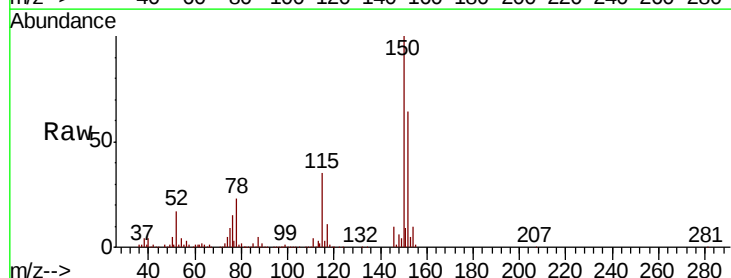


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

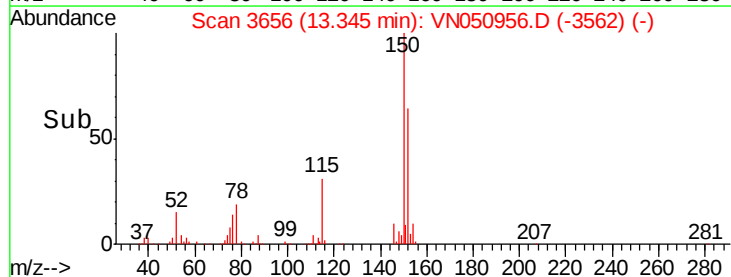
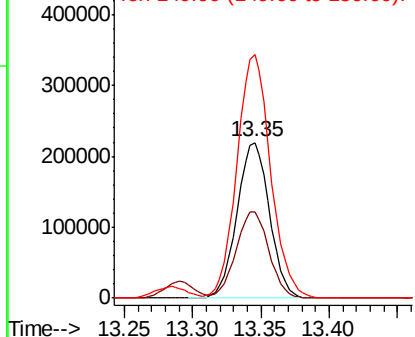


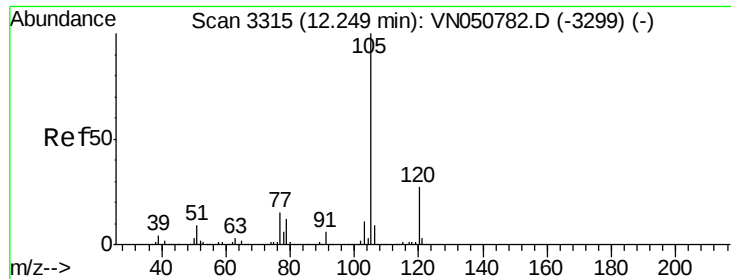
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. 0.00 min
Lab File: VN050956.D
Acq: 30 Aug 2018 12:32

Tgt Ion:152 Resp: 362258
Ion Ratio Lower Upper
152 100
115 56.0 27.8 83.4
150 162.9 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

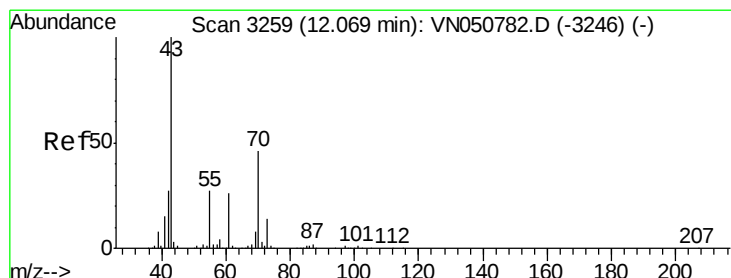
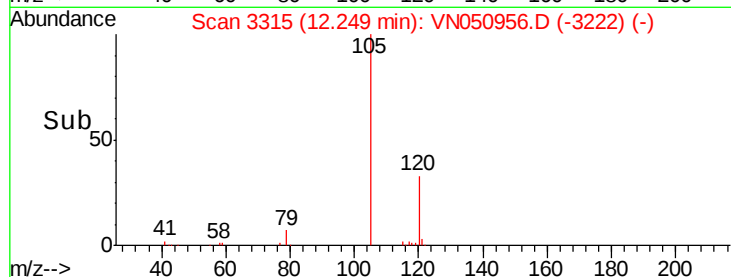
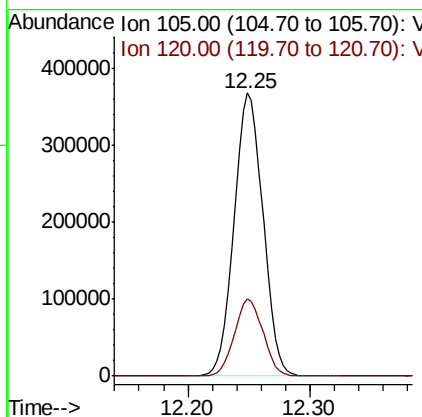
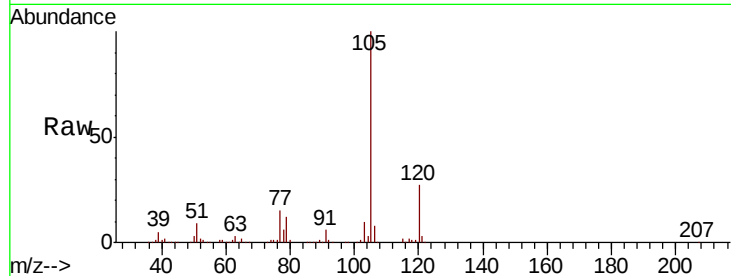




#73
Isopropylbenzene
Concen: 20.13 ug/l
RT: 12.25 min Scan# 3315
Delta R.T. 0.00 min
Lab File: VN050956.D
Acq: 30 Aug 2018 12:32

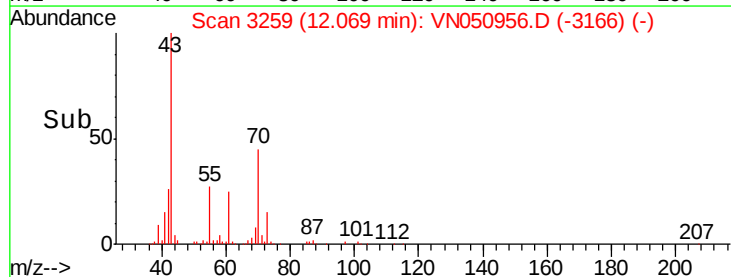
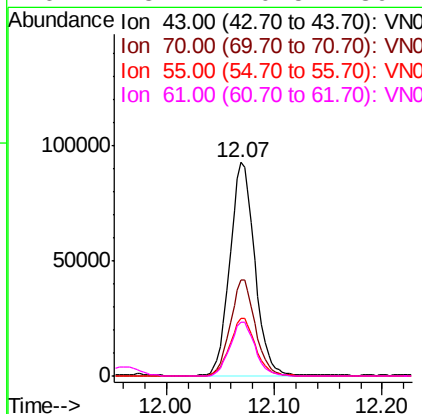
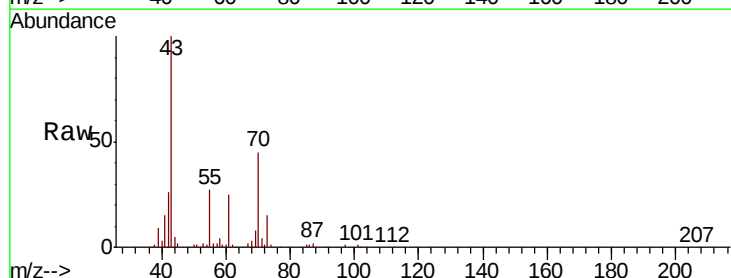
Instrument :
MSVOA_N
ClientSampleId :
VN0830WBSD01

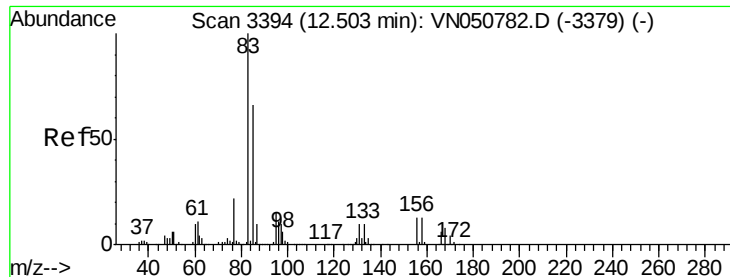
Tot Ion:105 Resp: 603907
Ion Ratio Lower Upper
105 100
120 26.9 13.5 40.4



#74
N-ethyl acetate
Concen: 19.81 ug/l
RT: 12.07 min Scan# 3259
Delta R.T. 0.00 min
Lab File: VN050956.D
Acq: 30 Aug 2018 12:32

Tgt Ion: 43 Resp: 149291
Ion Ratio Lower Upper
43 100
70 44.8 36.2 54.2
55 27.8 21.8 32.8
61 25.4 20.5 30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 21.95 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN050956.D

Acq: 30 Aug 2018 12:32

Instrument :

MSVOA_N

ClientSampleId :

VN0830WBSD01

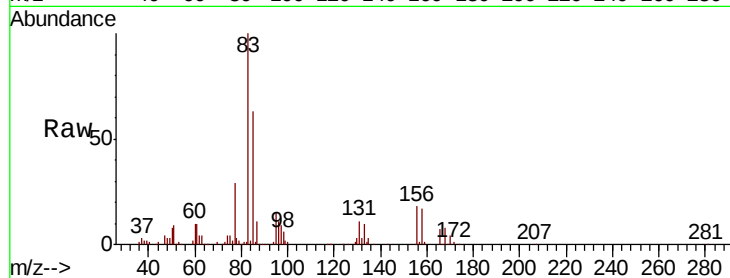
Tot Ion: 83 Resp: 163534

Ion Ratio Lower Upper

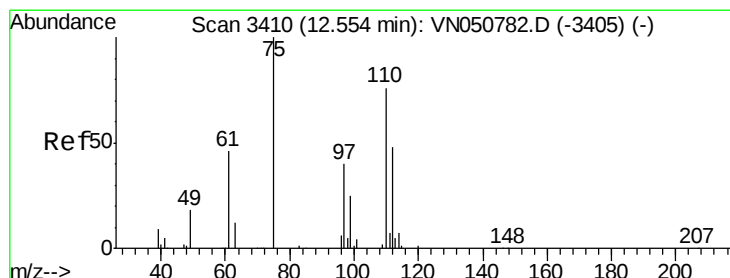
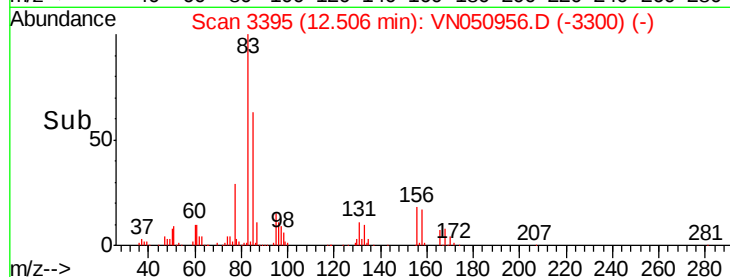
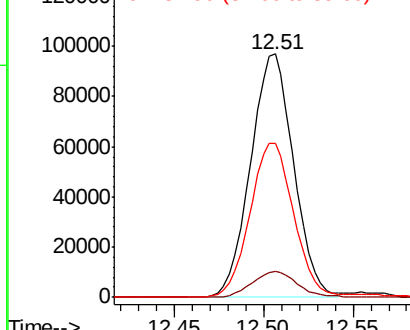
83 100

131 11.1 5.3 15.9

85 64.3 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: 29.78 ug/l

RT: 12.55 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN050956.D

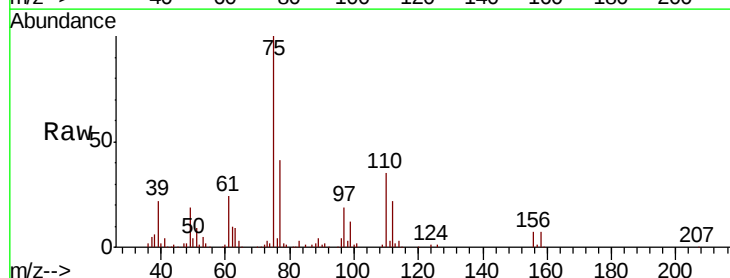
Acq: 30 Aug 2018 12:32

Tgt Ion: 75 Resp: 188922

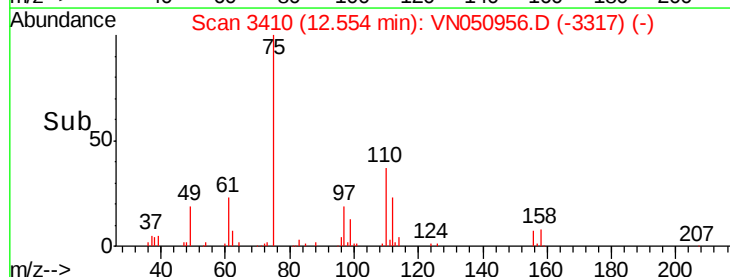
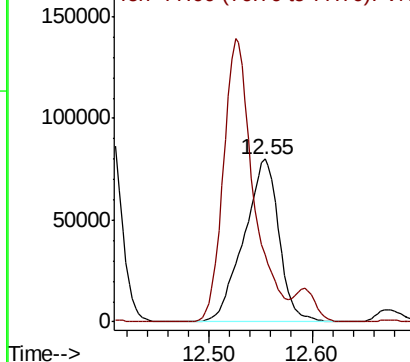
Ion Ratio Lower Upper

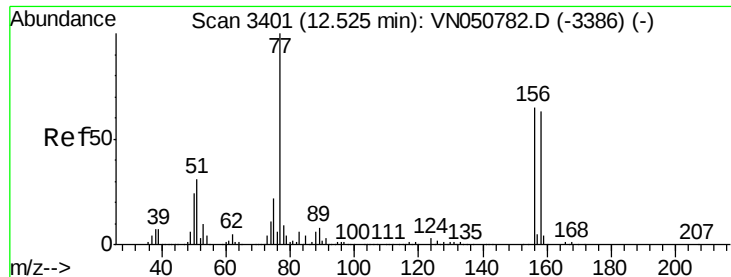
75 100

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# 3401

Delta R.T. 0.00 min

Lab File: VN050956.D

Acq: 30 Aug 2018 12:32

Instrument :

MSVOA_N

ClientSampleId :

VN0830WBSD01

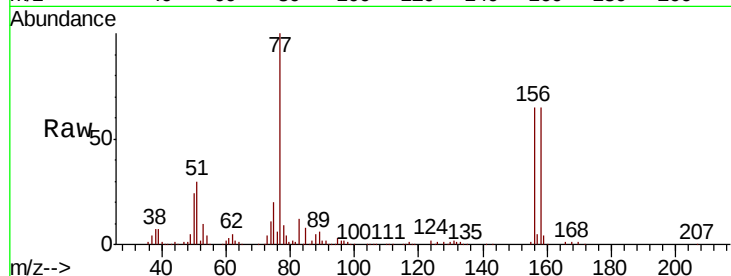
Tot Ion:156 Resp: 156743

Ion Ratio Lower Upper

156 100

77 181.1 89.9 269.7

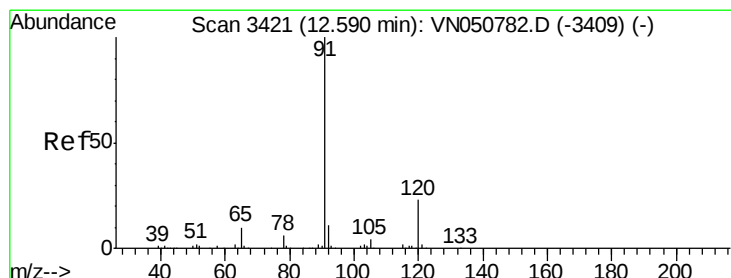
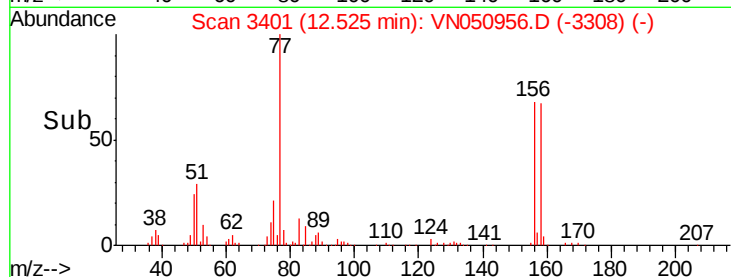
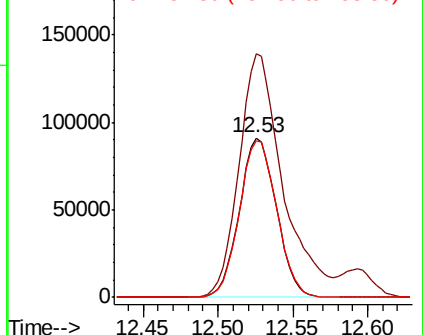
158 99.5 49.3 147.9



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: 19.91 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN050956.D

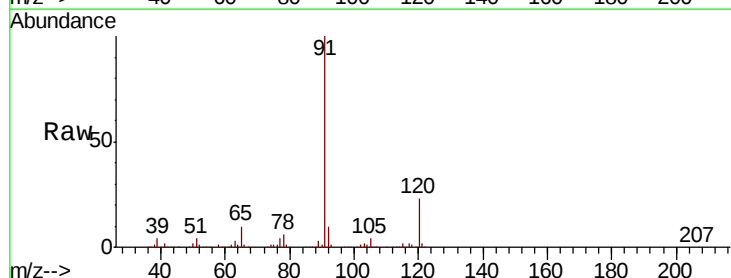
Acq: 30 Aug 2018 12:32

Tgt Ion: 91 Resp: 667085

Ion Ratio Lower Upper

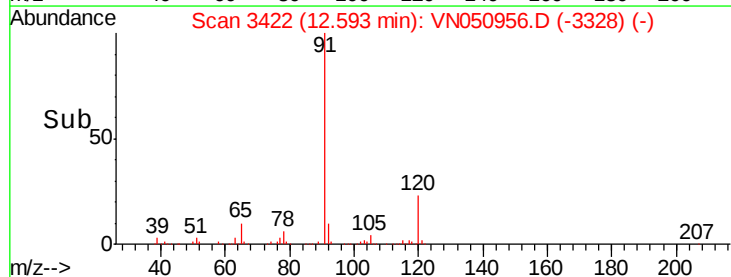
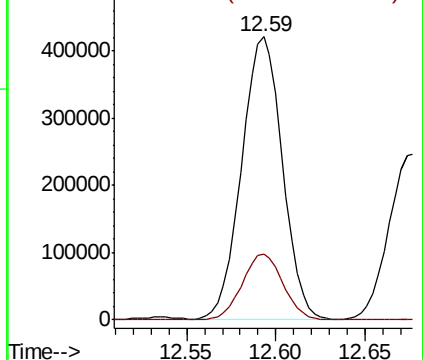
91 100

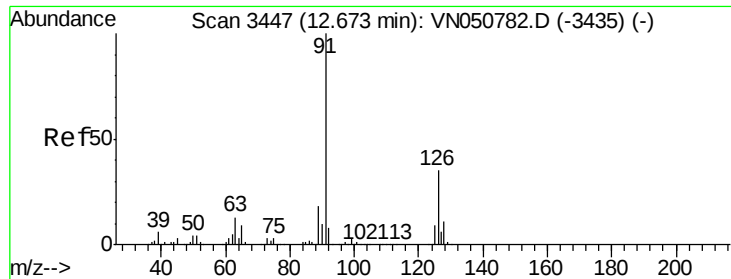
120 23.4 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.87 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN050956.D

Acq: 30 Aug 2018 12:32

Instrument :

MSVOA_N

ClientSampleId :

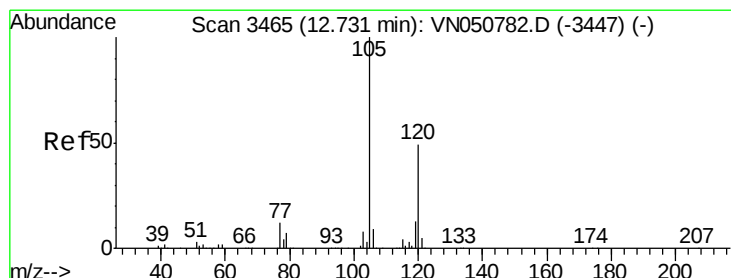
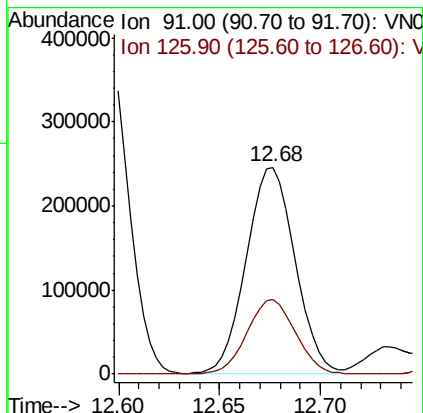
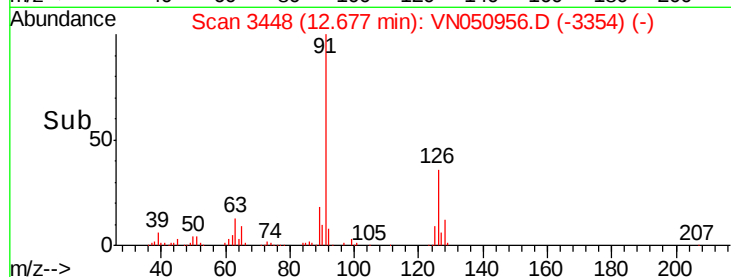
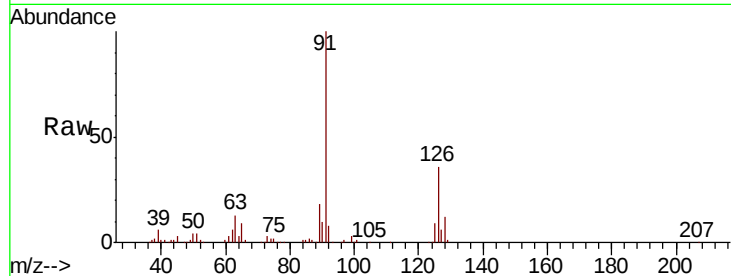
VN0830WBSD01

Tot Ion: 91 Resp: 414783

Ion Ratio Lower Upper

91 100

126 35.9 17.8 53.3



#80

1,3,5-Trimethylbenzene

Concen: 20.29 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050956.D

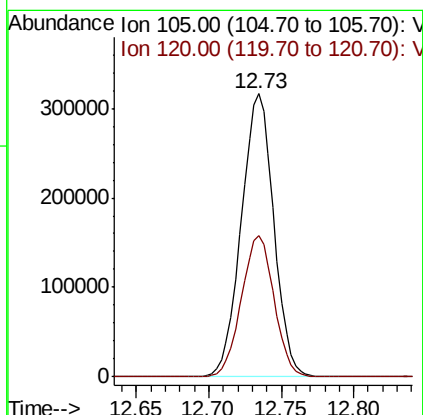
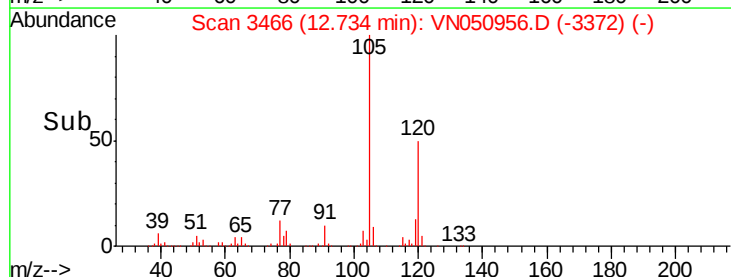
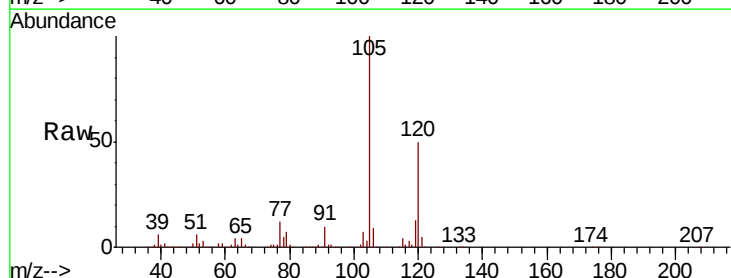
Acq: 30 Aug 2018 12:32

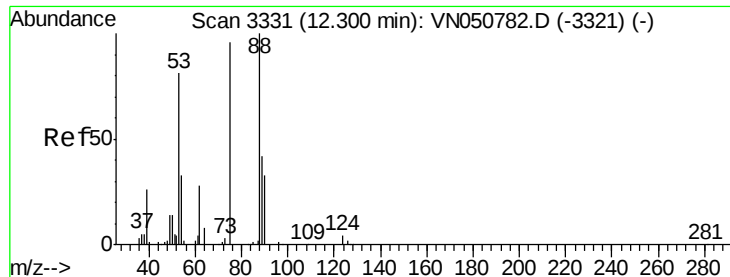
Tgt Ion: 105 Resp: 491096

Ion Ratio Lower Upper

105 100

120 50.4 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 20.30 ug/l

RT: 12.30 min Scan# 3331

Delta R.T. 0.00 min

Lab File: VN050956.D

Acq: 30 Aug 2018 12:32

Instrument :

MSVOA_N

ClientSampleId :

VN0830WBSD01

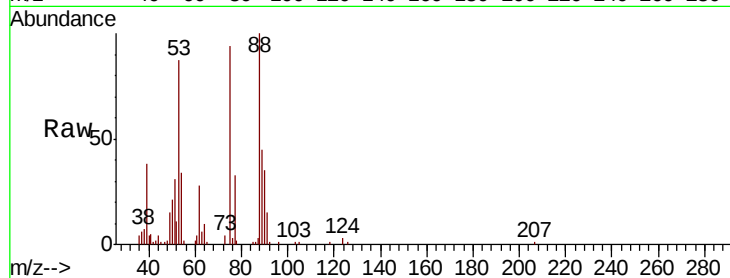
Tot Ion: 75 Resp: 38095

Ion Ratio Lower Upper

75 100

53 88.5 68.9 103.3

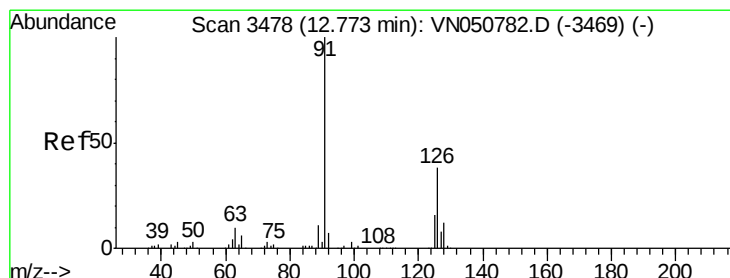
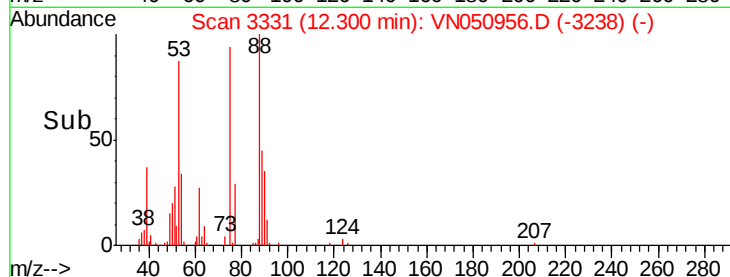
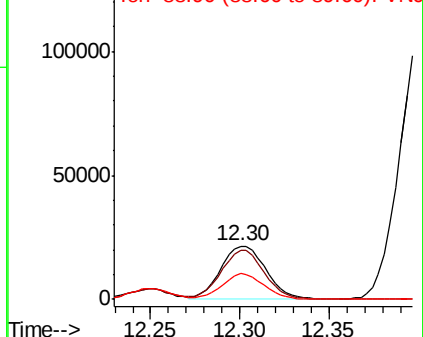
89 44.6 36.1 54.1



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: 19.80 ug/l

RT: 12.77 min Scan# 3478

Delta R.T. 0.00 min

Lab File: VN050956.D

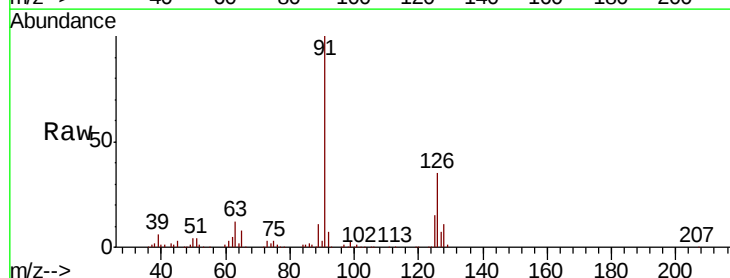
Acq: 30 Aug 2018 12:32

Tgt Ion: 91 Resp: 407996

Ion Ratio Lower Upper

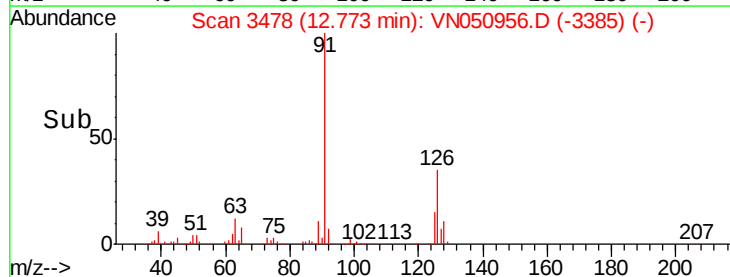
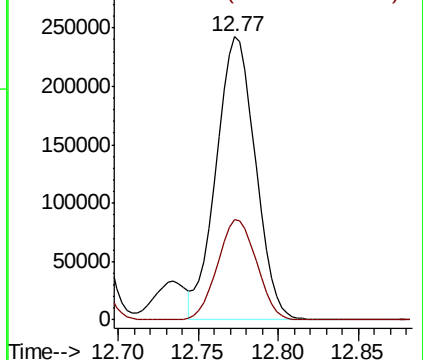
91 100

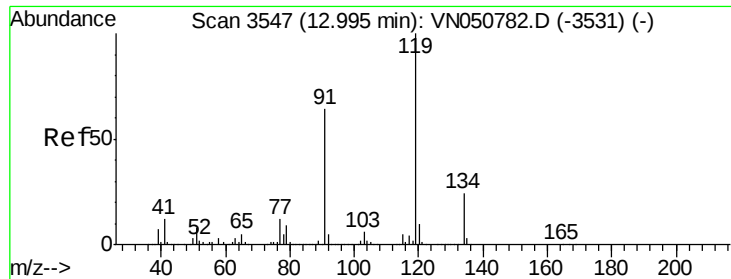
126 35.4 17.5 52.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

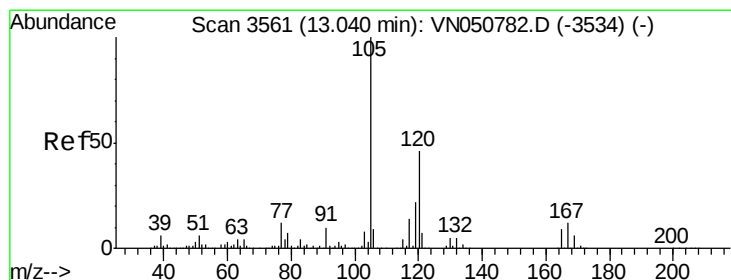
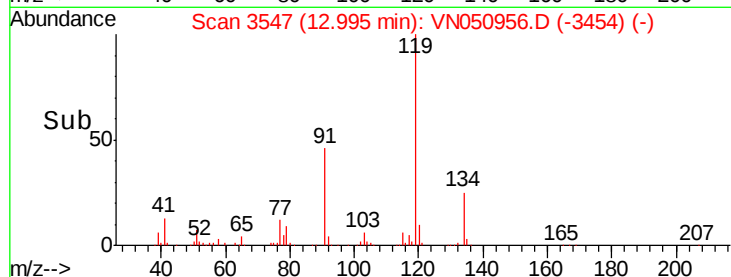
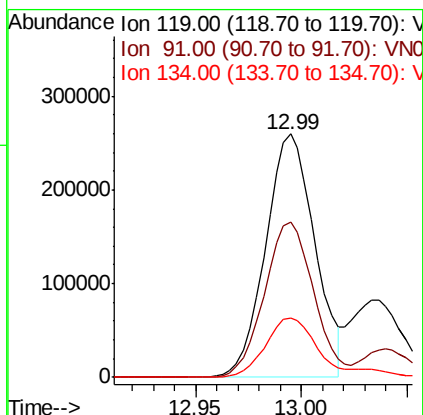
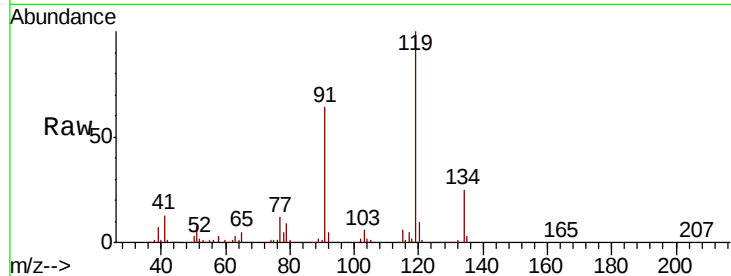




#83
 tert-Butylbenzene
 Concen: 20.06 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN050956.D
 Acq: 30 Aug 2018 12:32

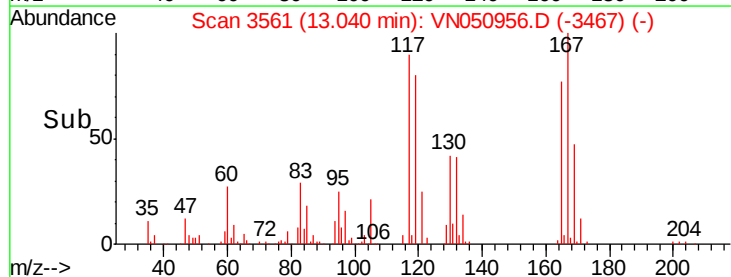
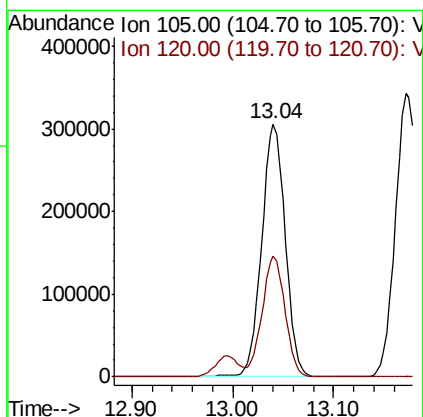
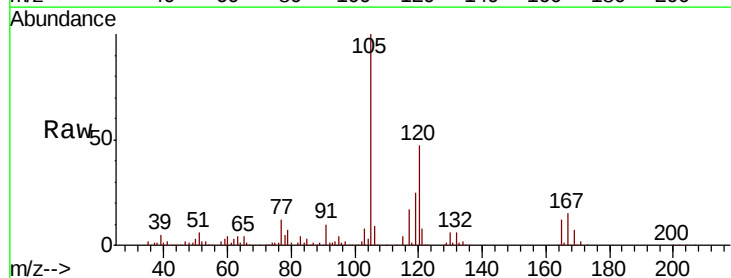
Instrument :
 MSVOA_N
 ClientSampled :
 VN0830WBSD01

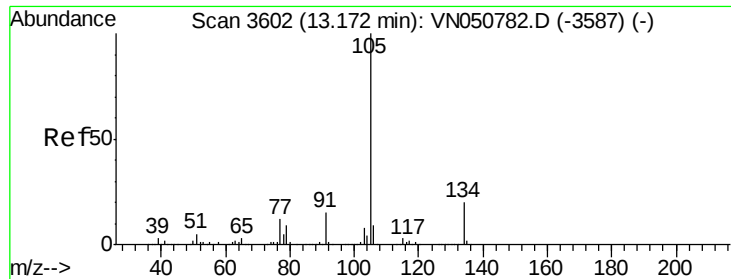
Tot Ion:119 Resp: 420461
 Ion Ratio Lower Upper
 119 100
 91 64.2 31.6 94.7
 134 25.1 13.4 40.1



#84
 1,2,4-Trimethylbenzene
 Concen: 20.43 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. 0.00 min
 Lab File: VN050956.D
 Acq: 30 Aug 2018 12:32

Tgt Ion:105 Resp: 497420
 Ion Ratio Lower Upper
 105 100
 120 46.4 22.9 68.8

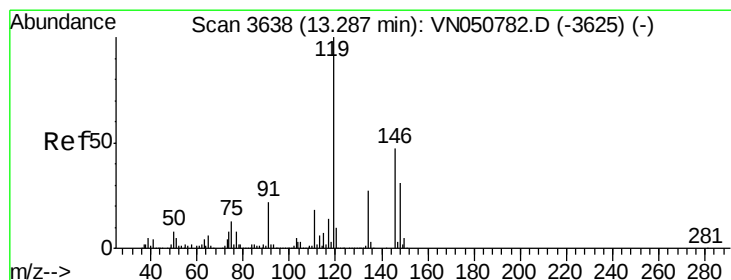
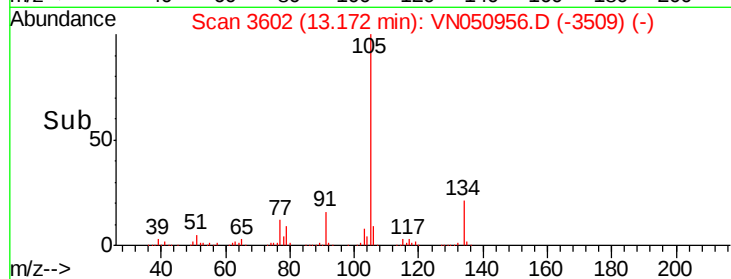
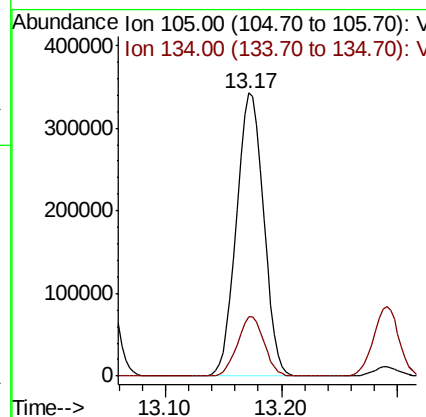
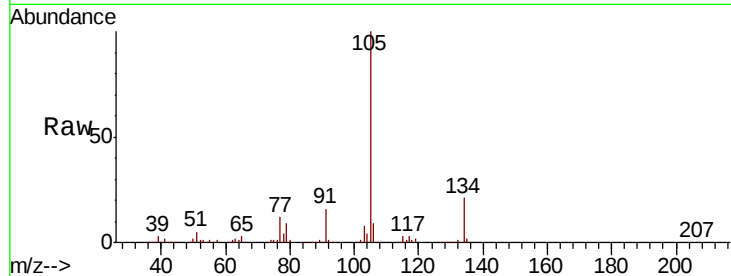




#85
 sec-Butylbenzene
 Concen: 20.09 ug/l
 RT: 13.17 min Scan# 3602
 Delta R.T. 0.00 min
 Lab File: VN050956.D
 Acq: 30 Aug 2018 12:32

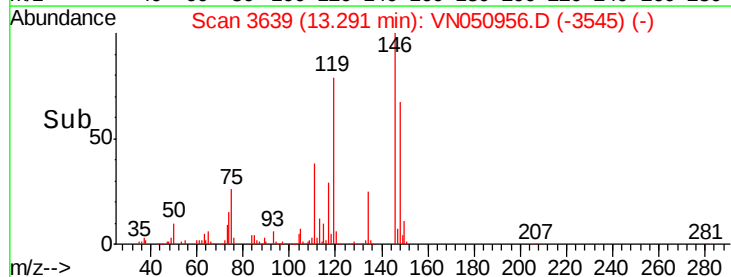
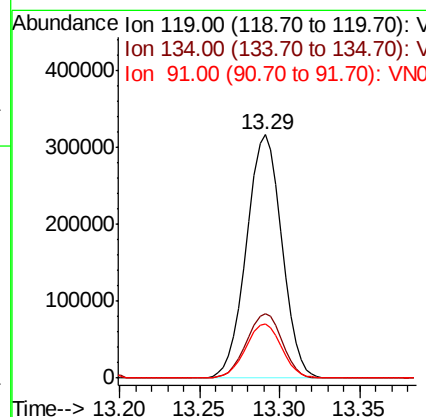
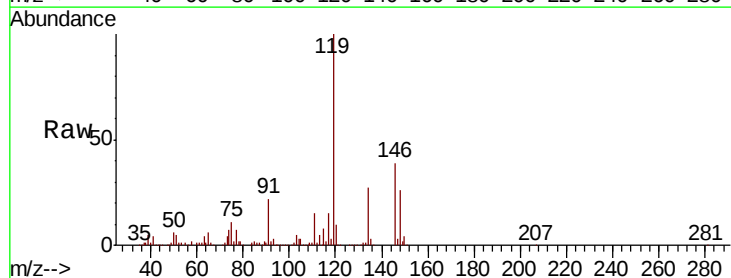
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0830WBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.7	10.3	30.8



#86
 p-Isopropyltoluene
 Concen: 20.27 ug/l
 RT: 13.29 min Scan# 3639
 Delta R.T. 0.00 min
 Lab File: VN050956.D
 Acq: 30 Aug 2018 12:32

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.0	13.7	41.0
91	22.6	11.2	33.5





#87

1,3-Dichlorobenzene

Concen: 18.60 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. 0.00 min

Lab File: VN050956.D

Acq: 30 Aug 2018 12:32

Instrument :

MSVOA_N

ClientSampleId :

VN0830WBSD01

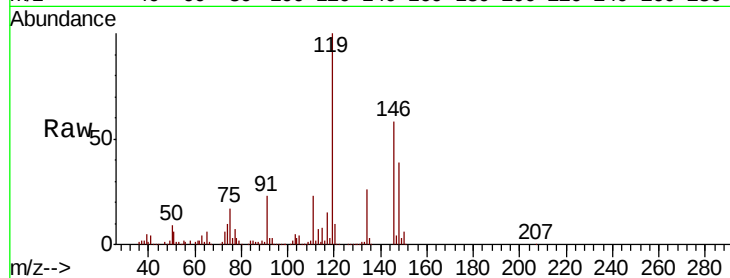
Tot Ion:146 Resp: 257285

Ion Ratio Lower Upper

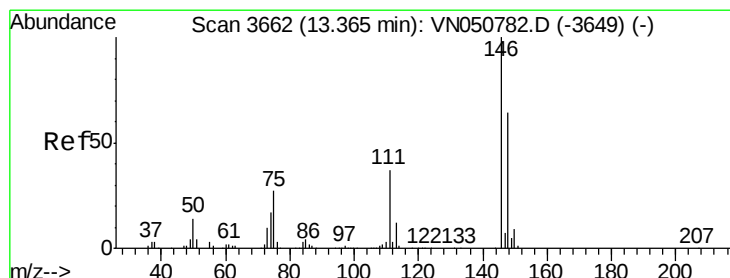
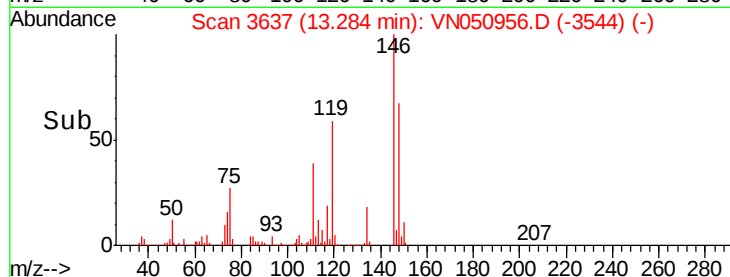
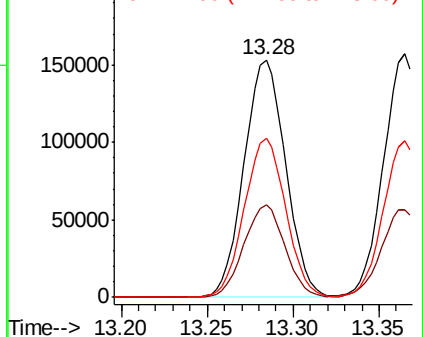
146 100

111 38.2 19.1 57.3

148 66.6 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: 18.64 ug/l

RT: 13.36 min Scan# 3662

Delta R.T. 0.00 min

Lab File: VN050956.D

Acq: 30 Aug 2018 12:32

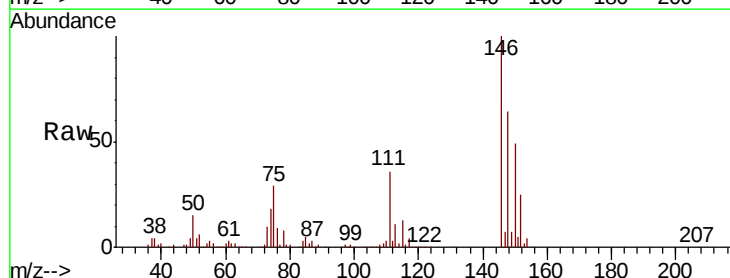
Tgt Ion:146 Resp: 253747

Ion Ratio Lower Upper

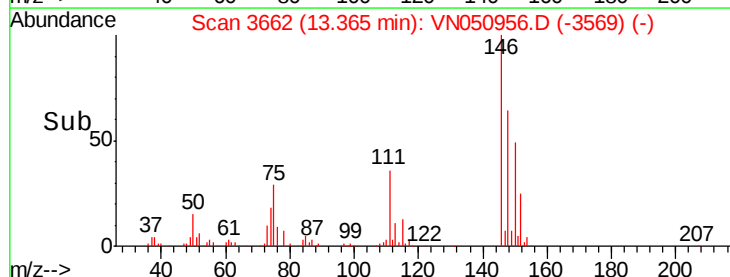
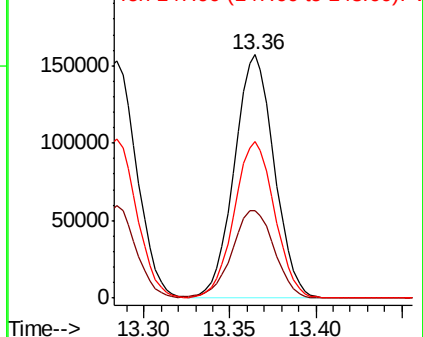
146 100

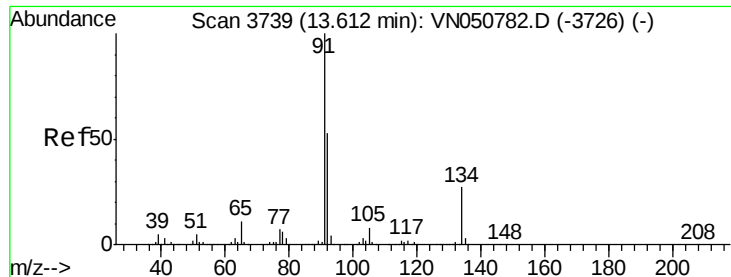
111 38.4 18.8 56.3

148 65.2 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

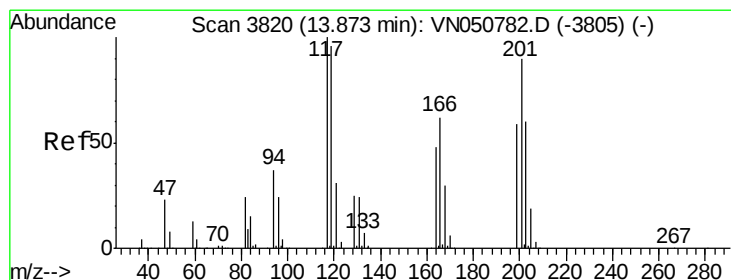
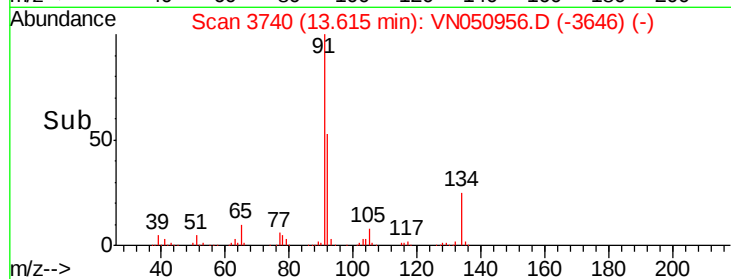
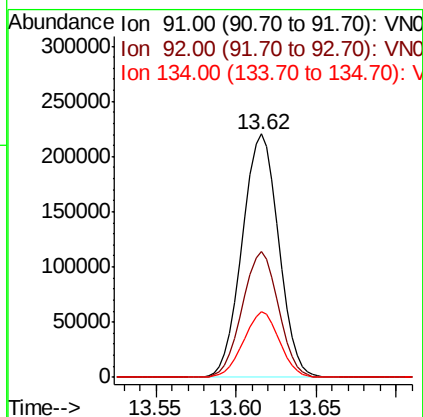
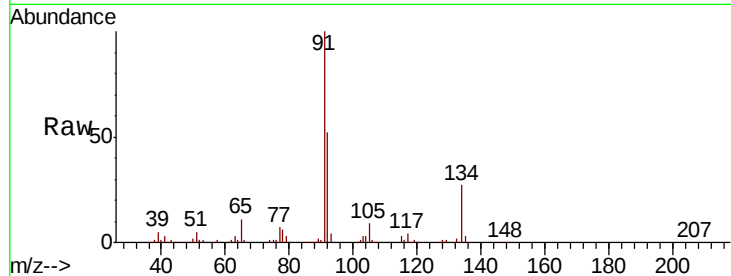




#89
n-Butylbenzene
Concen: 18.28 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. 0.00 min
Lab File: VN050956.D
Acq: 30 Aug 2018 12:32

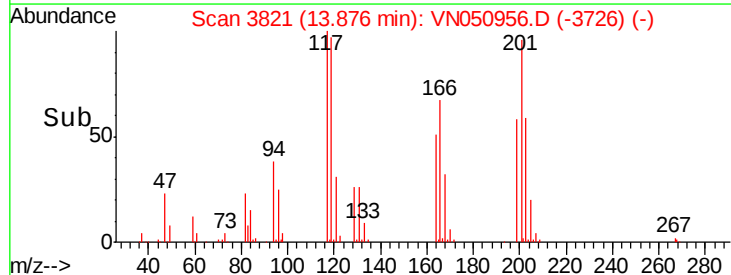
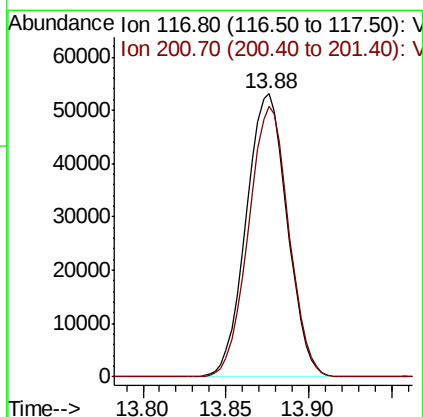
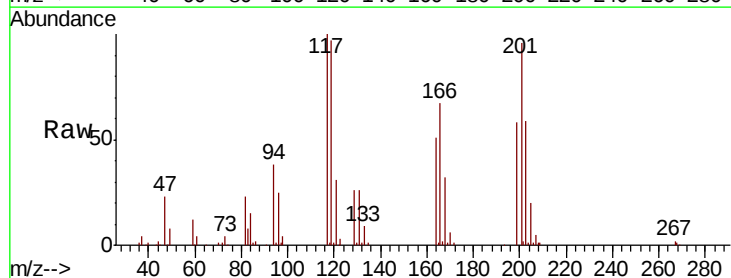
Instrument :
MSVOA_N
ClientSampleId :
VN0830WBSD01

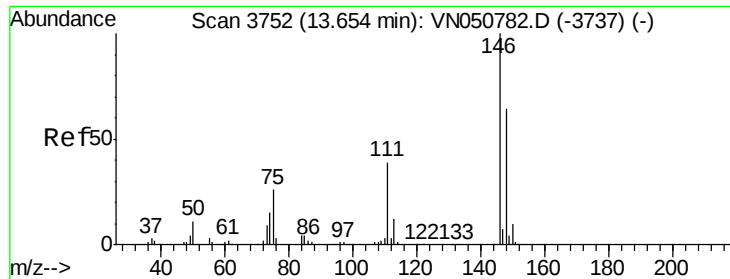
Tot Ion: 91 Resp: 342155
Ion Ratio Lower Upper
91 100
92 51.3 26.1 78.2
134 26.5 13.2 39.6



#90
Hexachloroethane
Concen: 20.56 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN050956.D
Acq: 30 Aug 2018 12:32

Tgt Ion: 117 Resp: 91211
Ion Ratio Lower Upper
117 100
201 93.8 46.0 137.8





#91

1,2-Dichlorobenzene

Concen: 19.80 ug/l

RT: 13.65 min Scan# 3752

Delta R.T. 0.00 min

Lab File: VN050956.D

Acq: 30 Aug 2018 12:32

Instrument :

MSVOA_N

ClientSampleId :

VN0830WBSD01

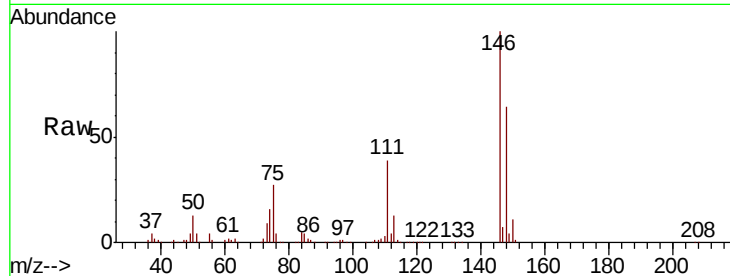
Tot Ion:146 Resp: 264336

Ion Ratio Lower Upper

146 100

111 38.5 19.8 59.3

148 63.2 32.3 96.8

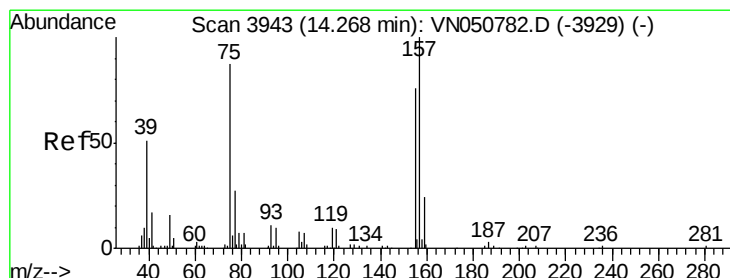
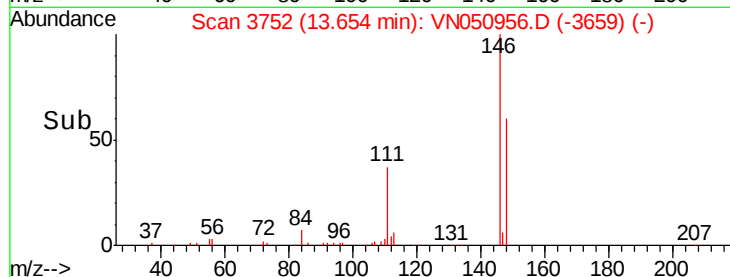
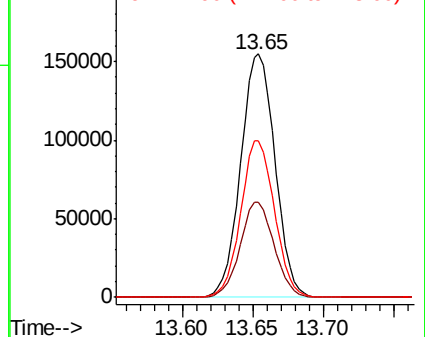


Abundance

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: 20.59 ug/l

RT: 14.27 min Scan# 3944

Delta R.T. 0.00 min

Lab File: VN050956.D

Acq: 30 Aug 2018 12:32

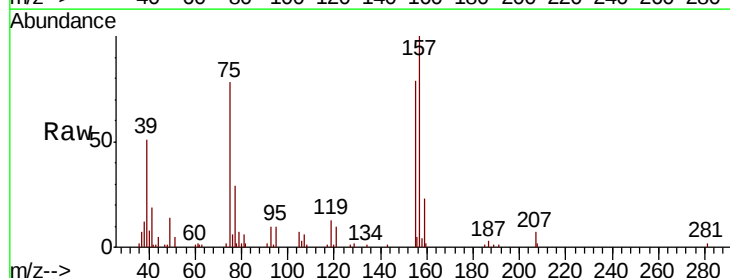
Tgt Ion: 75 Resp: 22179

Ion Ratio Lower Upper

75 100

155 95.2 46.4 139.1

157 117.0 60.7 182.0

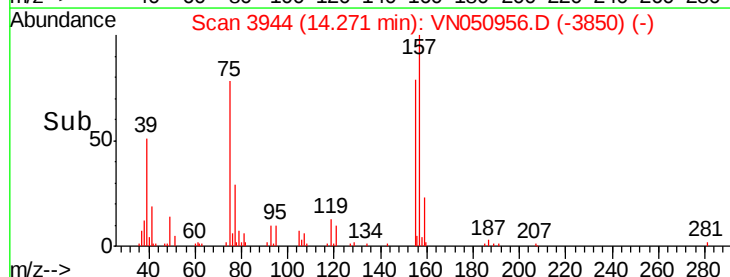
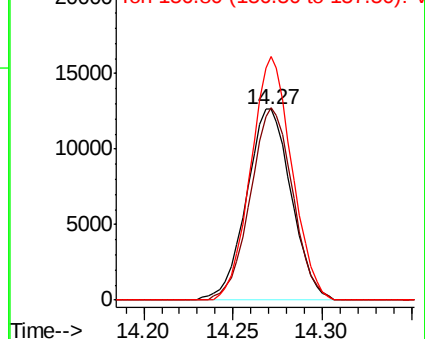


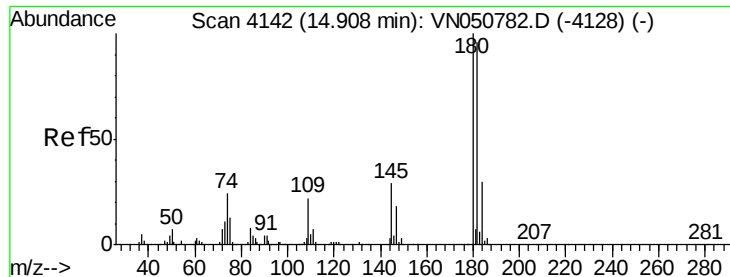
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

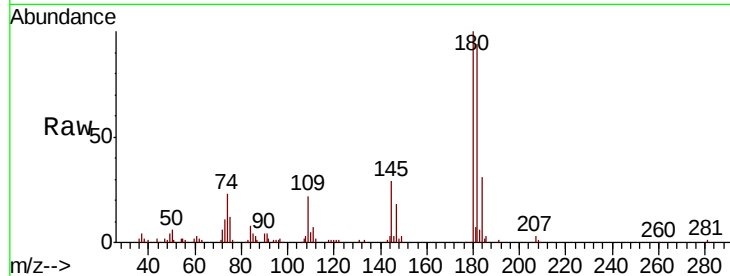




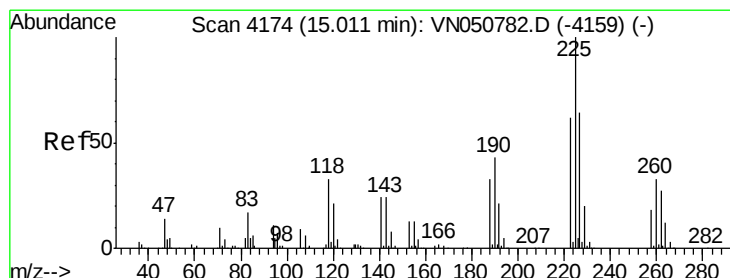
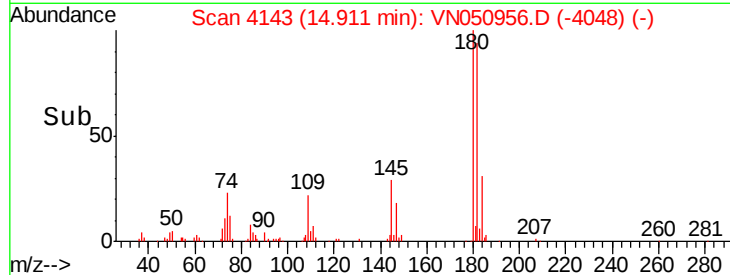
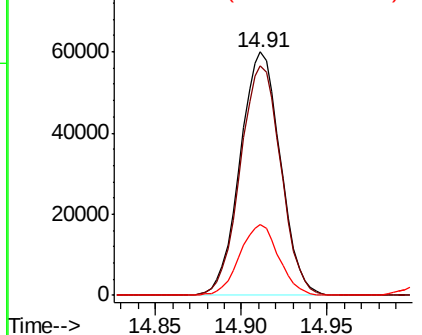
#93
 1,2,4-Trichlorobenzene
 Concen: 17.02 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050956.D
 Acq: 30 Aug 2018 12:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0830WBSD01

Tot Ion:180 Resp: 97781
 Ion Ratio Lower Upper
 180 100
 182 94.9 48.2 144.6
 145 28.2 14.1 42.2

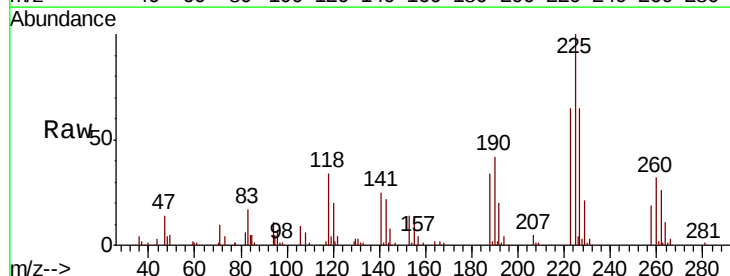


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

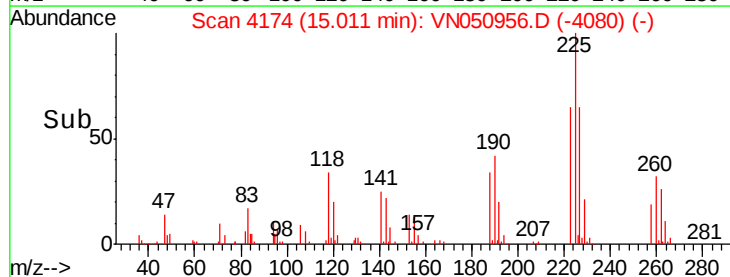
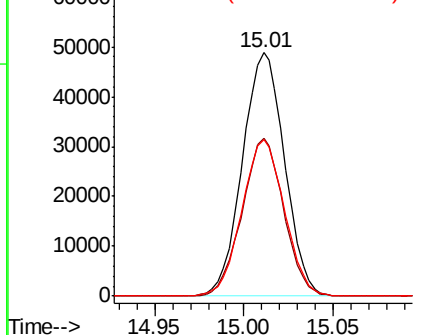


#94
 Hexachlorobutadiene
 Concen: 19.74 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. 0.00 min
 Lab File: VN050956.D
 Acq: 30 Aug 2018 12:32

Tgt Ion:225 Resp: 80762
 Ion Ratio Lower Upper
 225 100
 223 63.7 31.3 93.8
 227 64.7 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: 17.08 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN050956.D

Acq: 30 Aug 2018 12:32

Instrument :

MSVOA_N

ClientSampleId :

VN0830WBSD01

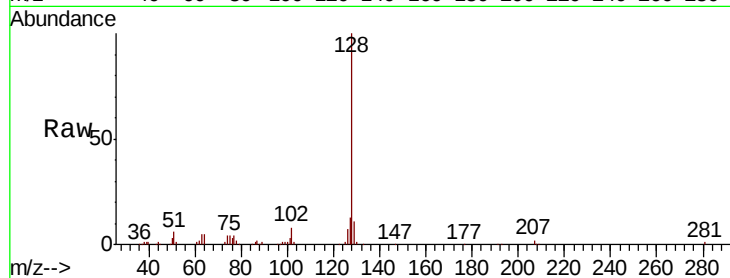
Tot Ion:128 Resp: 189457

Ion Ratio Lower Upper

128 100

127 12.9 10.5 15.7

129 10.6 8.7 13.1

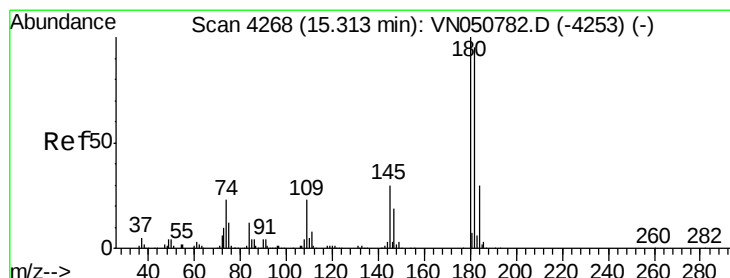
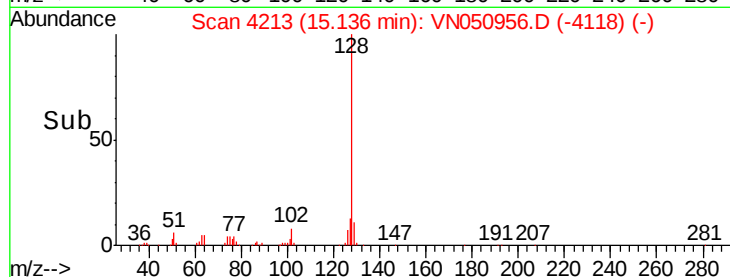
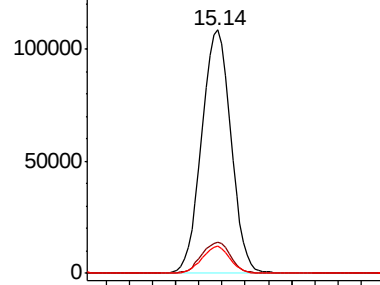


Abundance

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: 17.99 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. 0.00 min

Lab File: VN050956.D

Acq: 30 Aug 2018 12:32

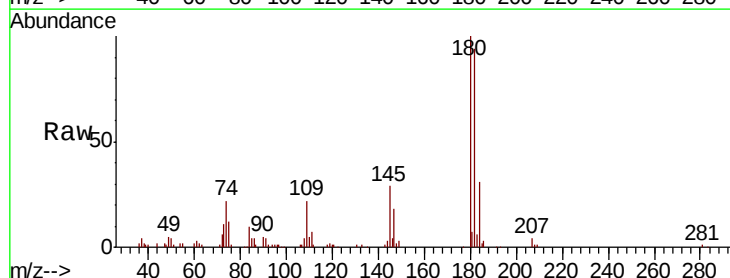
Tgt Ion:180 Resp: 102380

Ion Ratio Lower Upper

180 100

182 97.1 48.0 144.2

145 29.3 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

