

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082318\
 Data File : VN050858.D
 Acq On : 23 Aug 2018 17:25
 Operator : MD\SY
 Sample : VN0823MBS01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 24 01:13:07 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	596033	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	874199	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	787232	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	383448	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	363351	50.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.28%	
35) Dibromofluoromethane	7.59	113	335961	48.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.62%	
50) Toluene-d8	10.09	98	1266015	48.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.38%	
62) 4-Bromofluorobenzene	12.40	95	414284	47.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	165133	20.70	ug/l	99
3) Chloromethane	2.06	50	186632	18.97	ug/l	100
4) Vinyl Chloride	2.18	62	181671	19.49	ug/l	98
5) Bromomethane	2.56	94	101702	18.53	ug/l	97
6) Chloroethane	2.70	64	101447	18.84	ug/l	99
7) Trichlorofluoromethane	3.01	101	227794	19.09	ug/l	99
8) Diethyl Ether	3.41	74	78583	19.37	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.76	101	142401	19.10	ug/l	100
10) Methyl Iodide	3.95	142	99778	19.66	ug/l	98
11) Tert butyl alcohol	4.79	59	51383	112.46	ug/l	99
12) 1,1-Dichloroethene	3.74	96	128532	19.20	ug/l	97
13) Acrolein	3.61	56	20452	89.07	ug/l	98
14) Allyl chloride	4.32	41	197872	18.97	ug/l	99
15) Acrylonitrile	4.99	53	244231	105.18	ug/l	98
16) Acetone	3.82	43	181221	102.49	ug/l	98
17) Carbon Disulfide	4.05	76	389208	17.34	ug/l	100
18) Methyl Acetate	4.33	43	144328	21.30	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	347913	20.66	ug/l	97
20) Methylene Chloride	4.55	84	151830	18.77	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	136039	18.79	ug/l	95
22) Diisopropyl ether	5.96	45	425487	20.47	ug/l	99
23) Vinyl Acetate	5.90	43	1354936	101.21	ug/l	100
24) 1,1-Dichloroethane	5.85	63	256337	19.21	ug/l	98
25) 2-Butanone	6.84	43	274883	95.06	ug/l	96
26) 2,2-Dichloropropane	6.83	77	204120	19.03	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	151173	19.37	ug/l	99
28) Bromochloromethane	7.20	49	108420	19.12	ug/l	99
29) Tetrahydrofuran	7.22	42	180837	109.08	ug/l	99
30) Chloroform	7.37	83	255756	19.35	ug/l	100
31) Cyclohexane	7.66	56	225940	18.92	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	222260	19.58	ug/l	99
36) 1,1-Dichloropropene	7.79	75	192880	18.70	ug/l	99
37) Ethyl Acetate	6.93	43	124367	20.99	ug/l	97
38) Carbon Tetrachloride	7.78	117	193151	18.52	ug/l	98

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Instrument :
 MSVOA_N
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Quant Time: Aug 24 01:13:07 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)
39) Methylcyclohexane	9.08	83	196737	17.63	ug/l	97
40) Benzene	8.04	78	592388	19.04	ug/l	99
41) Methacrylonitrile	7.17	41	56383	17.58	ug/l	90
42) 1,2-Dichloroethane	8.13	62	183935	19.78	ug/l	99
43) Isopropyl Acetate	8.17	43	229189	22.49	ug/l	95
44) Trichloroethene	8.84	130	153998	18.77	ug/l	100
45) 1,2-Dichloropropane	9.12	63	155356	19.00	ug/l	100
46) Dibromomethane	9.21	93	93469	19.46	ug/l	100
47) Bromodichloromethane	9.40	83	193389	19.22	ug/l	99
48) Methyl methacrylate	9.20	41	102838	19.80	ug/l	98
49) 1,4-Dioxane	9.20	88	29504	416.80	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	608799	100.13	ug/l	100
52) Toluene	10.16	92	360358	19.56	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	190018	18.97	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	220591	19.24	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	134924	19.73	ug/l	99
56) Ethyl methacrylate	10.43	69	158479	19.32	ug/l	99
57) 1,3-Dichloropropane	10.71	76	224096	19.85	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	350543	98.10	ug/l	99
59) 2-Hexanone	10.75	43	399720	98.75	ug/l	98
60) Dibromochloromethane	10.90	129	147782	19.30	ug/l	99
61) 1,2-Dibromoethane	11.01	107	131562	19.89	ug/l	99
64) Tetrachloroethene	10.63	164	138615	18.54	ug/l	99
65) Chlorobenzene	11.43	112	391051	19.00	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	146574	19.47	ug/l	99
67) Ethyl Benzene	11.51	91	641004	19.16	ug/l	100
68) m/p-Xylenes	11.62	106	508576	40.05	ug/l	99
69) o-Xylene	11.95	106	240138	19.67	ug/l	100
70) Styrene	11.97	104	375038	18.26	ug/l	99
71) Bromoform	12.13	173	102409	19.78	ug/l	# 100
73) Isopropylbenzene	12.25	105	634993	20.00	ug/l	100
74) N-amyl acetate	12.07	43	166366	20.85	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	171540	21.74	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	197141	29.35	ug/l	# 100
77) Bromobenzene	12.53	156	164951	19.12	ug/l	98
78) n-propylbenzene	12.59	91	709412	20.00	ug/l	100
79) 2-Chlorotoluene	12.68	91	435441	19.71	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	526629	20.56	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	42029	21.16	ug/l	98
82) 4-Chlorotoluene	12.77	91	433247	19.86	ug/l	99
83) tert-Butylbenzene	12.99	119	438723	19.77	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	529591	20.55	ug/l	100
85) sec-Butylbenzene	13.17	105	586937	20.19	ug/l	99
86) p-Isopropyltoluene	13.29	119	503703	20.33	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	275761	18.83	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	267302	18.55	ug/l	99
89) n-Butylbenzene	13.62	91	374053	18.88	ug/l	99
90) Hexachloroethane	13.88	117	94531	20.13	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	274665	19.44	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	23764	20.84	ug/l	98

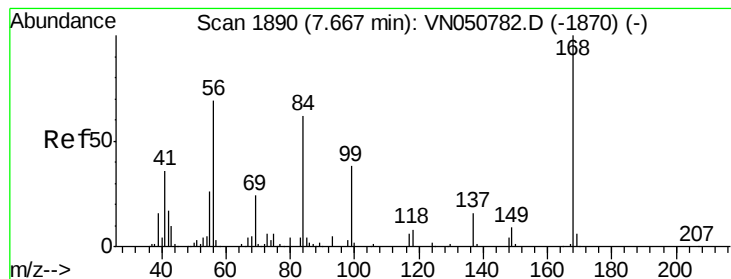
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN082318\
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Instrument :
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Quant Time: Aug 24 01:13:07 2018
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082118W.M
Quant Title : SW846 8260
QLast Update : Wed Aug 22 05:38:12 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	106886	17.44	ug/l	99
94) Hexachlorobutadiene	15.01	225	83412	19.23	ug/l	98
95) Naphthalene	15.13	128	217657	18.07	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	114345	18.80	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN050858.D

Acq: 23 Aug 2018 17:25

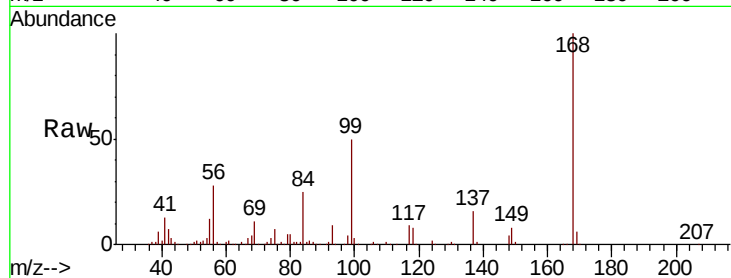
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 596033

Ion Ratio Lower Upper

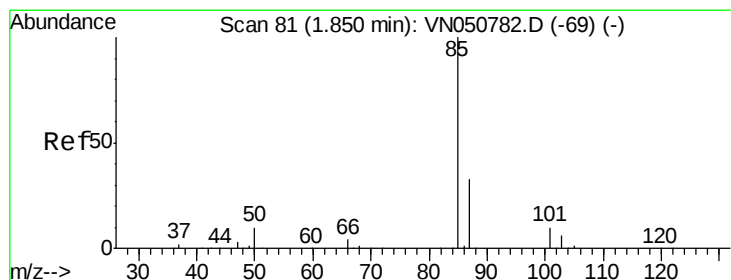
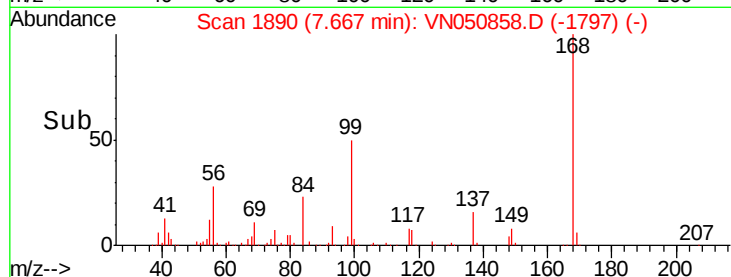
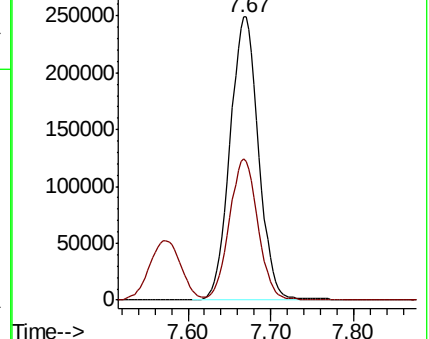
168 100

99 49.9 39.6 59.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#2

Dichlorodifluoromethane

Concen: 20.70 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN050858.D

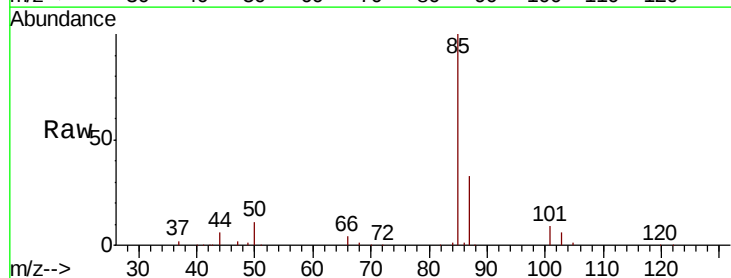
Acq: 23 Aug 2018 17:25

Tgt Ion: 85 Resp: 165133

Ion Ratio Lower Upper

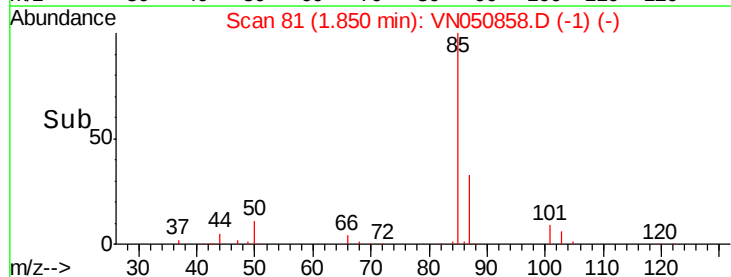
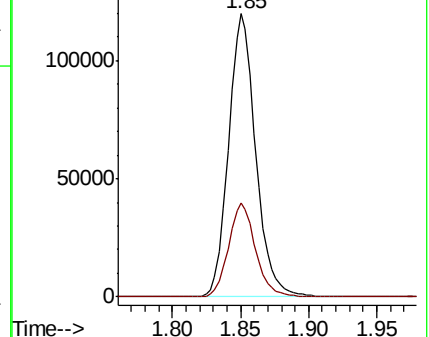
85 100

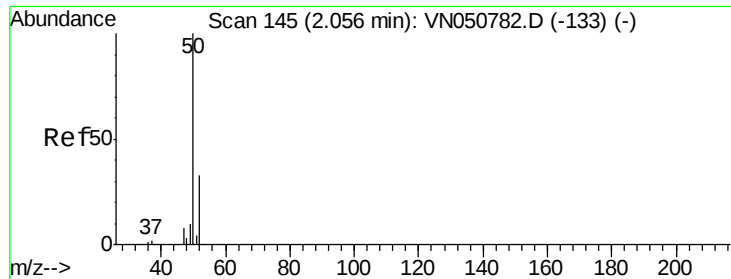
87 33.1 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0





#3

Chloromethane

Concen: 18.97 ug/l

RT: 2.06 min Scan# 145

Delta R.T. -0.00 min

Lab File: VN050858.D

Acq: 23 Aug 2018 17:25

Instrument :

MSVOA_N

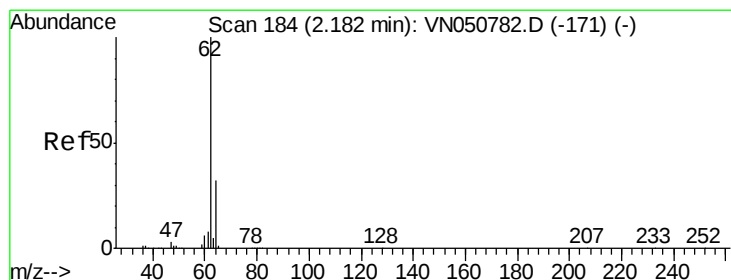
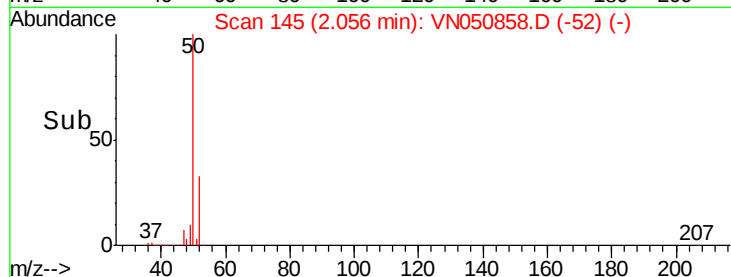
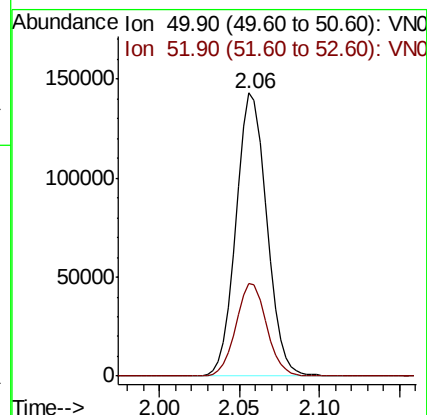
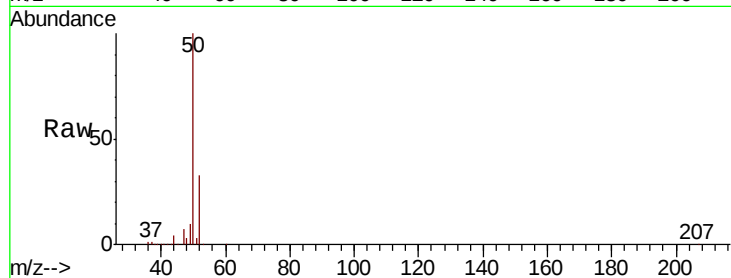
ClientSampleId :

Tot Ion: 50 Resp: 186632

Ion Ratio Lower Upper

50 100

52 32.7 26.3 39.5



#4

Vinyl Chloride

Concen: 19.49 ug/l

RT: 2.18 min Scan# 184

Delta R.T. -0.00 min

Lab File: VN050858.D

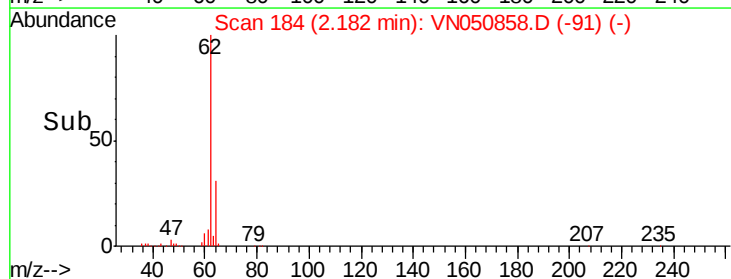
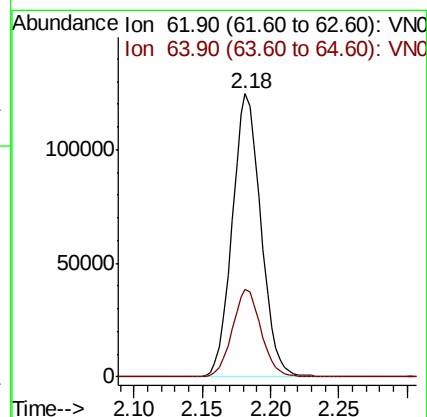
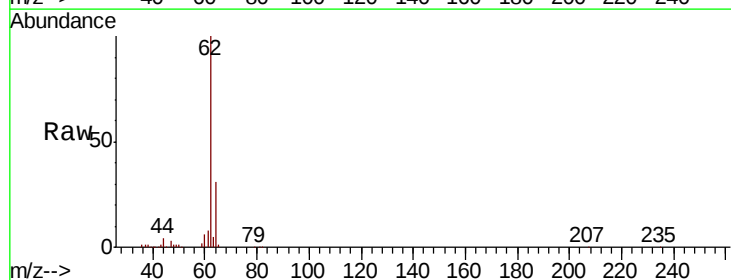
Acq: 23 Aug 2018 17:25

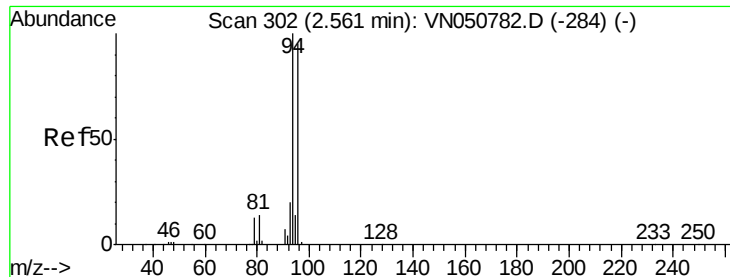
Tgt Ion: 62 Resp: 181671

Ion Ratio Lower Upper

62 100

64 30.9 25.4 38.2





#5

Bromomethane

Concen: 18.53 ug/l

RT: 2.56 min Scan# 303

Delta R.T. 0.00 min

Lab File: VN050858.D

Acq: 23 Aug 2018 17:25

Instrument :

MSVOA_N

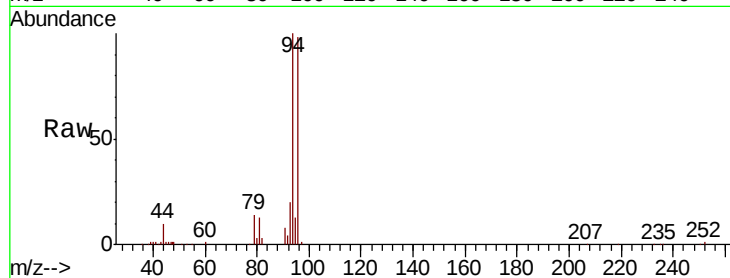
ClientSampled :

Tot Ion: 94 Resp: 101702

Ion Ratio Lower Upper

94 100

96 97.9 76.2 114.2



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.56

50000

40000

30000

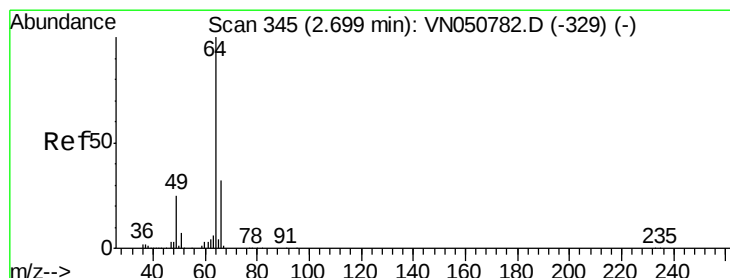
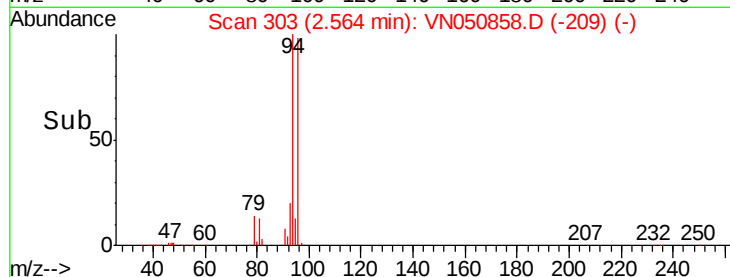
20000

10000

0

Time-->

2.50 2.55 2.60 2.65



#6

Chloroethane

Concen: 18.84 ug/l

RT: 2.70 min Scan# 345

Delta R.T. -0.00 min

Lab File: VN050858.D

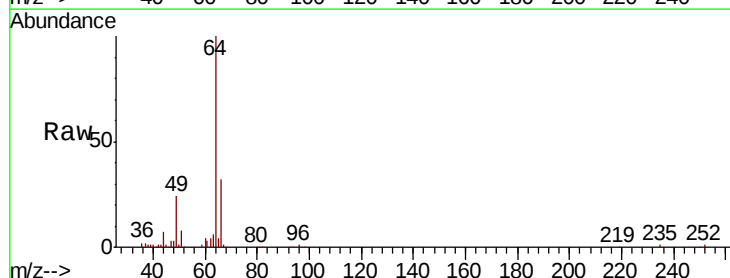
Acq: 23 Aug 2018 17:25

Tgt Ion: 64 Resp: 101447

Ion Ratio Lower Upper

64 100

66 32.0 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.70

60000

50000

40000

30000

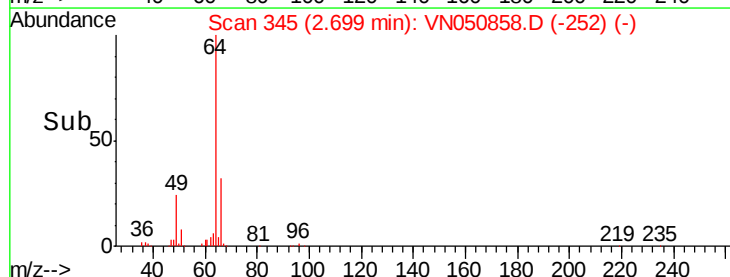
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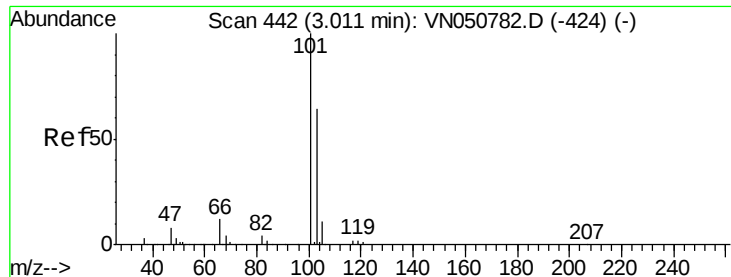
10000

0

Time-->

2.60 2.65 2.70 2.75 2.80



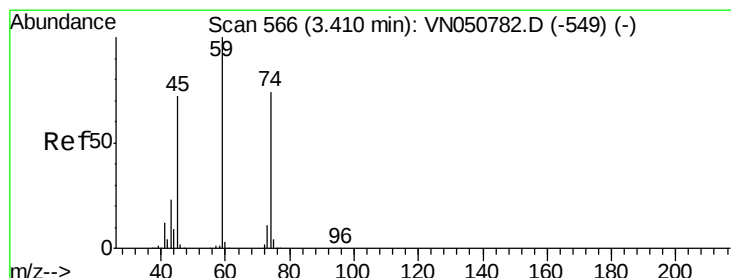
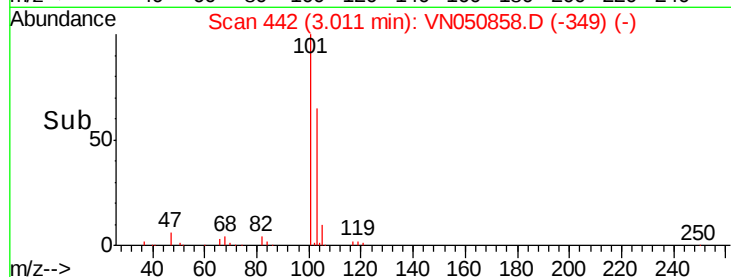
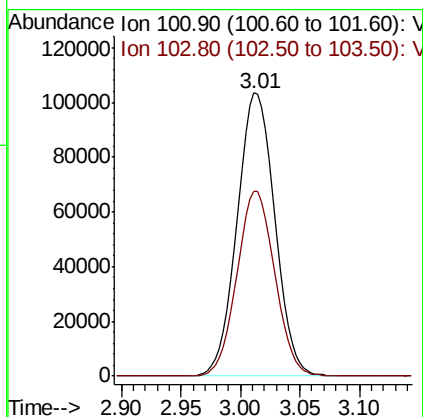
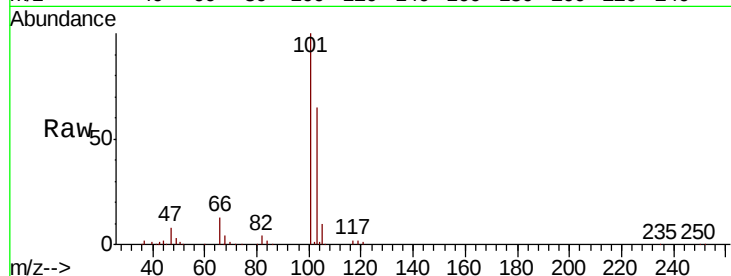


#7

Trichlorofluoromethane
 Concen: 19.09 ug/l
 RT: 3.01 min Scan# 442
 Delta R.T. -0.00 min
 Lab File: VN050858.D
 Acq: 23 Aug 2018 17:25

Instrument :
 MSVOA_N
 ClientSampled :

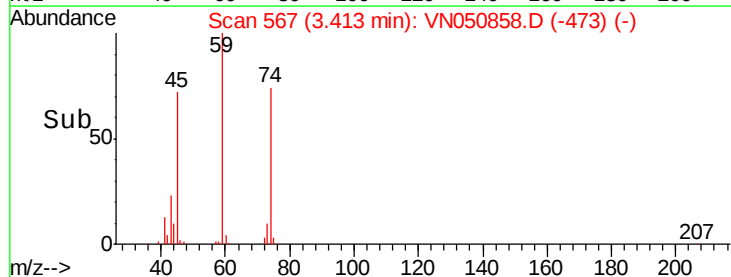
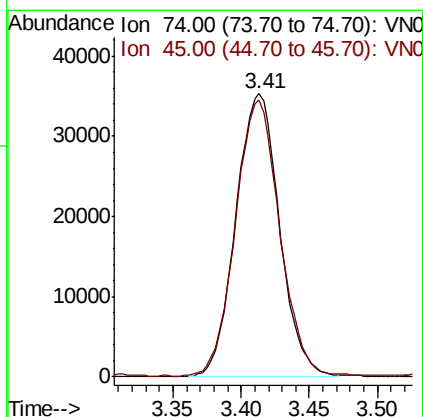
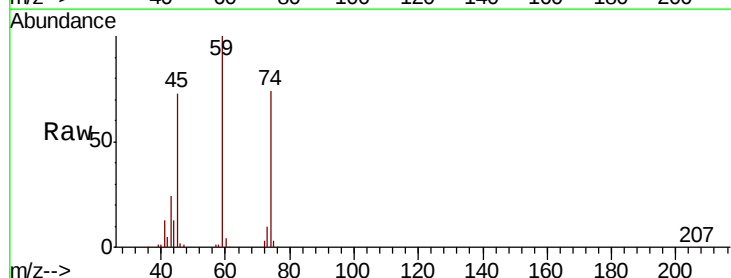
Tot Ion:101 Resp: 227794
 Ion Ratio Lower Upper
 101 100
 103 65.4 51.6 77.4



#8

Diethyl Ether
 Concen: 19.37 ug/l
 RT: 3.41 min Scan# 567
 Delta R.T. 0.00 min
 Lab File: VN050858.D
 Acq: 23 Aug 2018 17:25

Tgt Ion: 74 Resp: 78583
 Ion Ratio Lower Upper
 74 100
 45 99.5 48.2 144.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.10 ug/l

RT: 3.76 min Scan# 674

Delta R.T. -0.00 min

Lab File: VN050858.D

Acq: 23 Aug 2018 17:25

Instrument :

MSVOA_N

ClientSampleId :

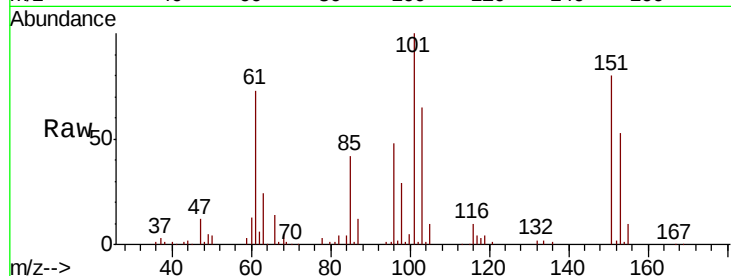
Tot Ion:101 Resp: 142401

Ion Ratio Lower Upper

101 100

85 42.6 33.7 50.5

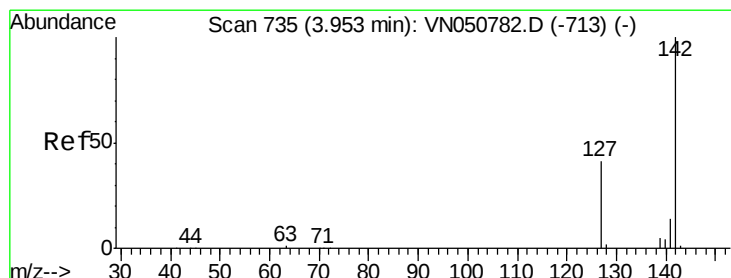
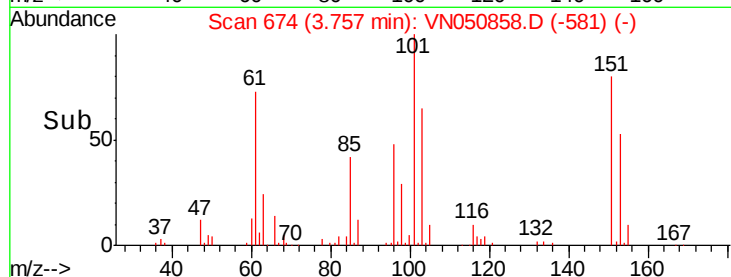
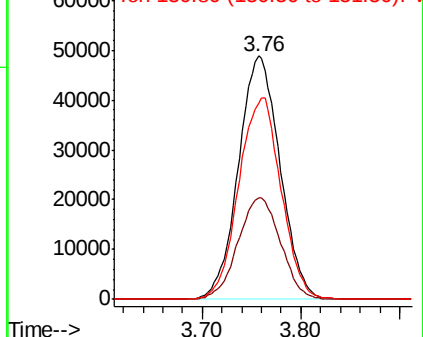
151 84.2 67.4 101.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.66 ug/l

RT: 3.95 min Scan# 734

Delta R.T. -0.00 min

Lab File: VN050858.D

Acq: 23 Aug 2018 17:25

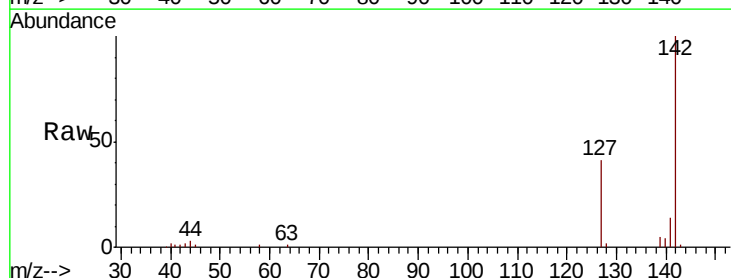
Tgt Ion:142 Resp: 99778

Ion Ratio Lower Upper

142 100

127 41.1 31.7 47.5

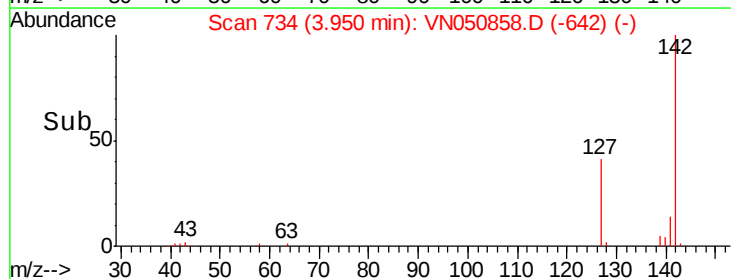
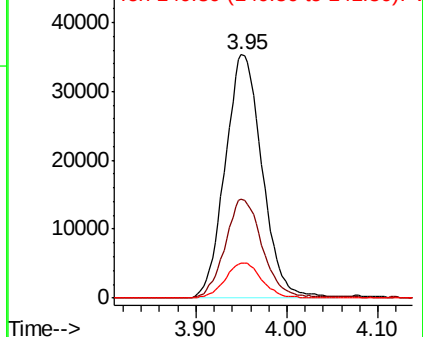
141 14.3 11.4 17.0

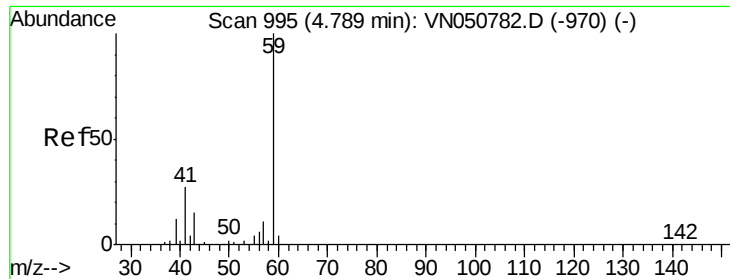


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

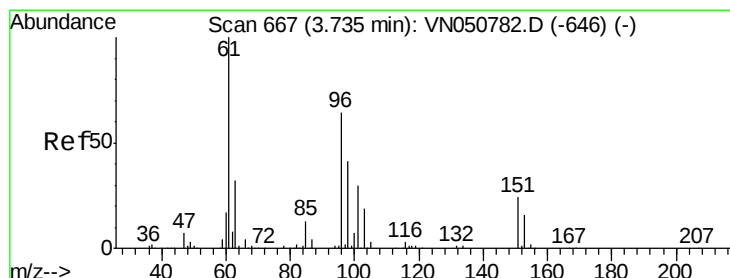
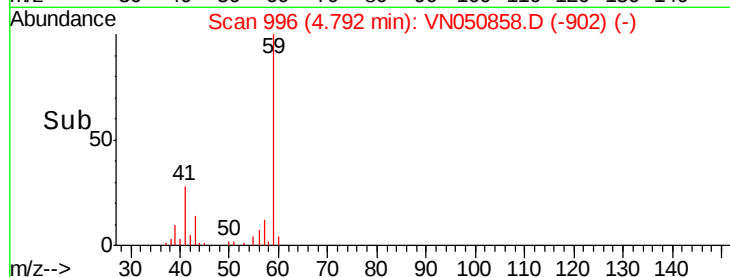
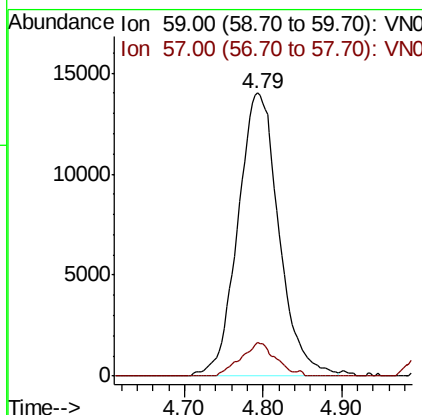
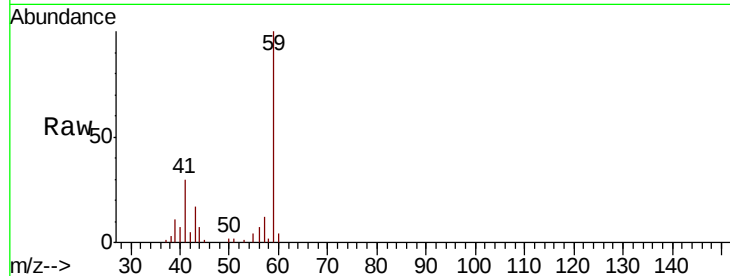




#11
Tert butyl alcohol
Concen: 112.46 ug/l
RT: 4.79 min Scan# 996
Delta R.T. 0.00 min
Lab File: VN050858.D
Acq: 23 Aug 2018 17:25

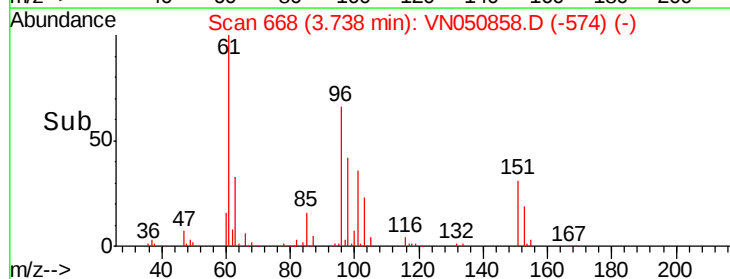
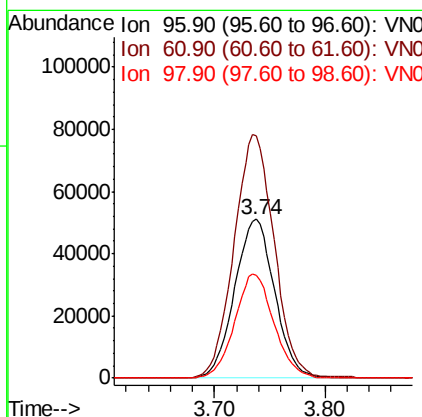
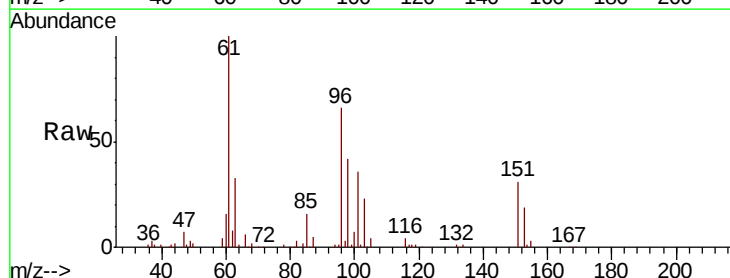
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 59 Resp: 51383
Ion Ratio Lower Upper
59 100
57 9.9 8.3 12.5



#12
1,1-Dichloroethene
Concen: 19.20 ug/l
RT: 3.74 min Scan# 668
Delta R.T. 0.00 min
Lab File: VN050858.D
Acq: 23 Aug 2018 17:25

Tgt Ion: 96 Resp: 128532
Ion Ratio Lower Upper
96 100
61 152.1 124.9 187.3
98 64.8 51.1 76.7





#13

Acrolein

Concen: 89.07 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN050858.D

Acq: 23 Aug 2018 17:25

Instrument :

MSVOA_N

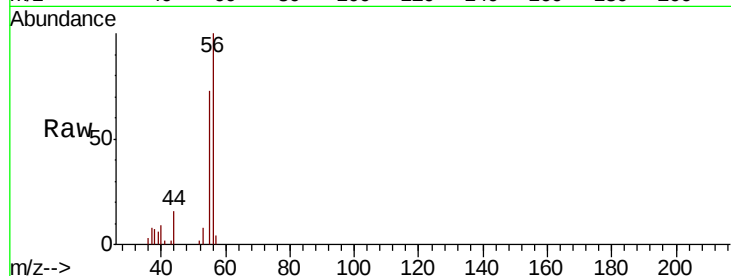
ClientSampled :

Tot Ion: 56 Resp: 20452

Ion Ratio Lower Upper

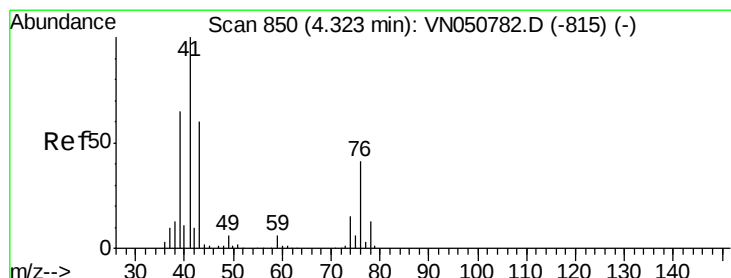
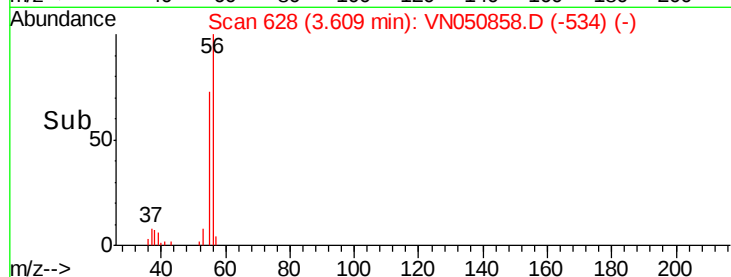
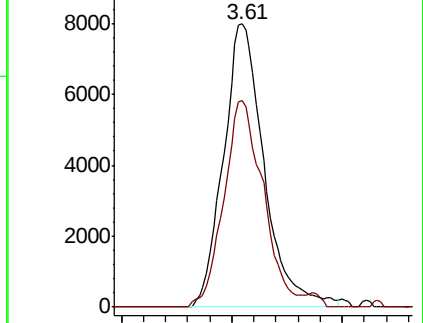
56 100

55 70.8 57.7 86.5



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 18.97 ug/l

RT: 4.32 min Scan# 850

Delta R.T. -0.00 min

Lab File: VN050858.D

Acq: 23 Aug 2018 17:25

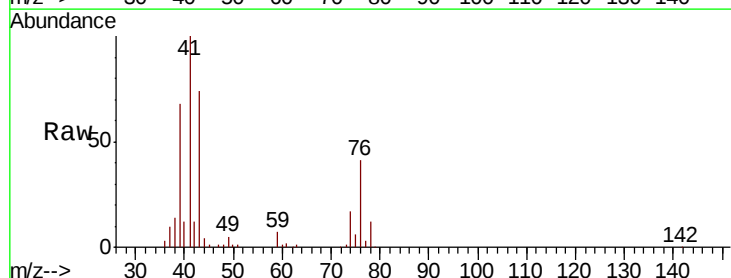
Tgt Ion: 41 Resp: 197872

Ion Ratio Lower Upper

41 100

39 63.9 50.2 75.2

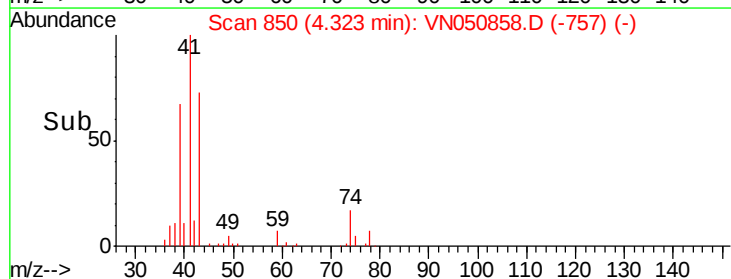
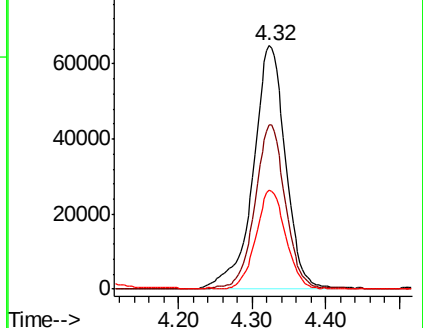
76 37.7 29.8 44.8

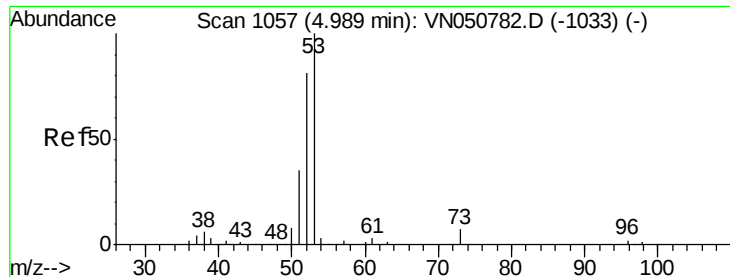


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 105.18 ug/l

RT: 4.99 min Scan# 1059

Delta R.T. 0.01 min

Lab File: VN050858.D

Acq: 23 Aug 2018 17:25

Instrument :

MSVOA_N

ClientSampleId :

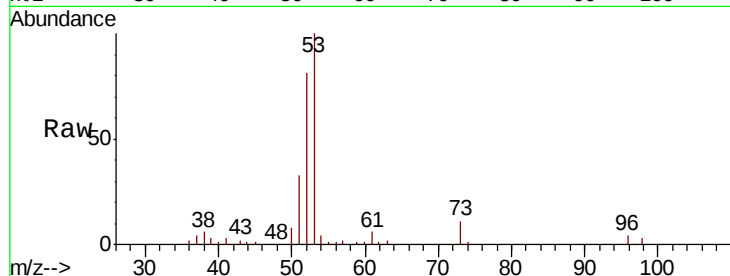
Tot Ion: 53 Resp: 244231

Ion Ratio Lower Upper

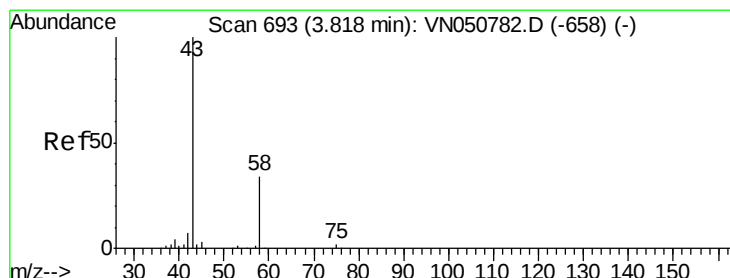
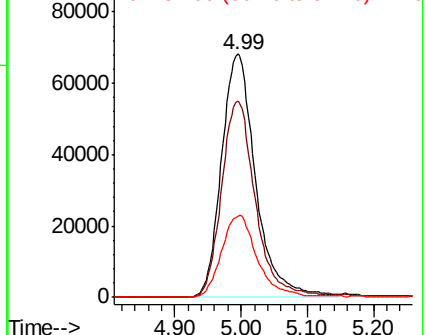
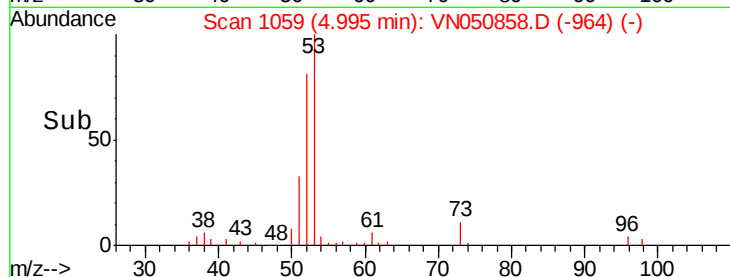
53 100

52 79.7 65.9 98.9

51 35.1 28.6 43.0



Abundance Ion 53.00 (52.70 to 53.70): VN050858.D (-964) (-)



#16

Acetone

Concen: 102.49 ug/l

RT: 3.82 min Scan# 694

Delta R.T. 0.00 min

Lab File: VN050858.D

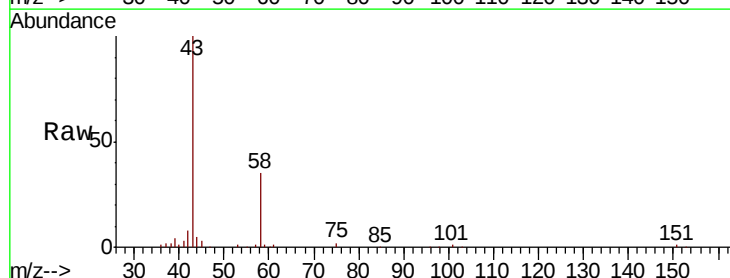
Acq: 23 Aug 2018 17:25

Tgt Ion: 43 Resp: 181221

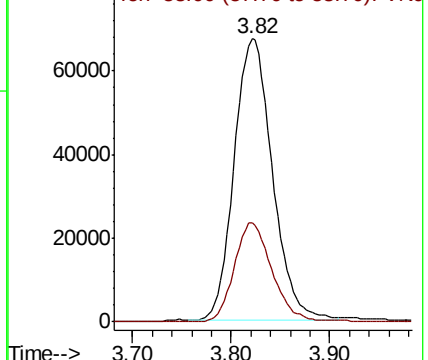
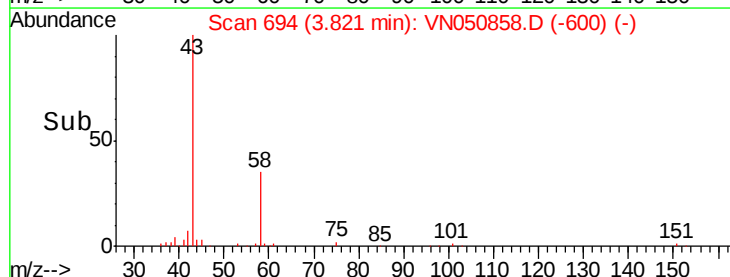
Ion Ratio Lower Upper

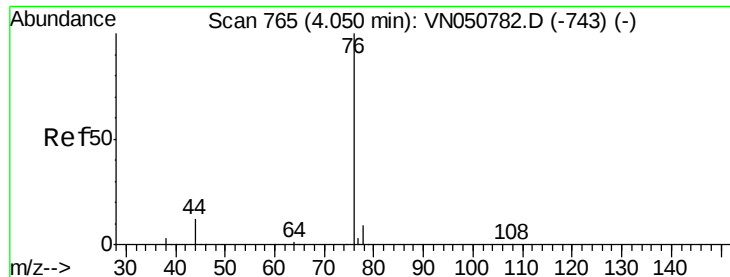
43 100

58 35.3 27.2 40.8



Abundance Ion 43.00 (42.70 to 43.70): VN050858.D (-600) (-)

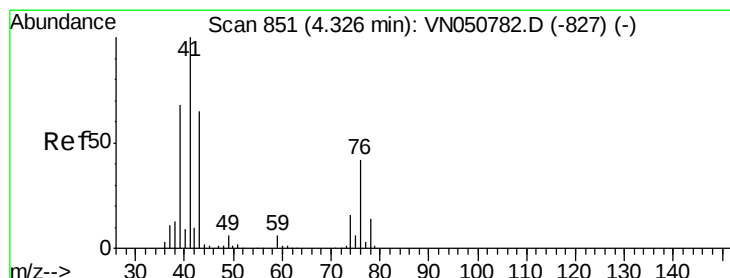
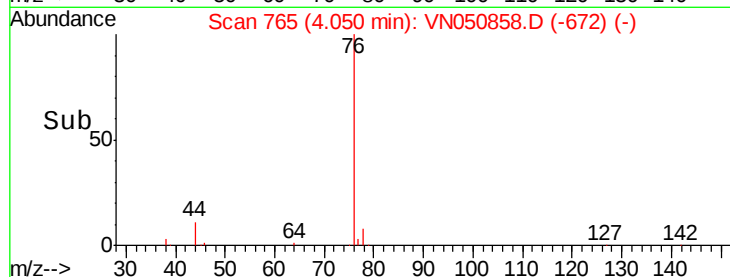
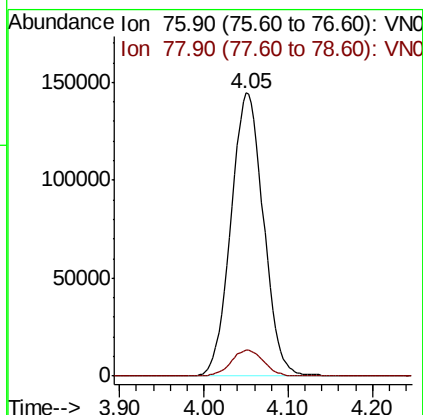
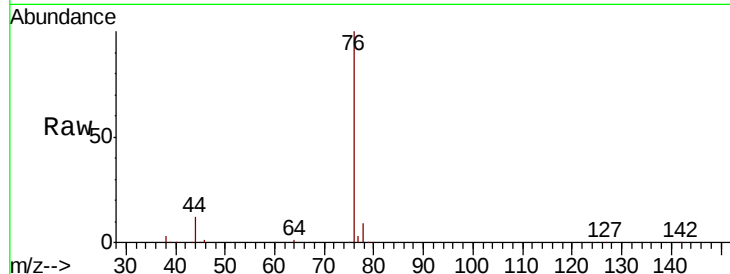




#17
Carbon Disulfide
Concen: 17.34 ug/l
RT: 4.05 min Scan# 765
Delta R.T. -0.00 min
Lab File: VN050858.D
Acq: 23 Aug 2018 17:25

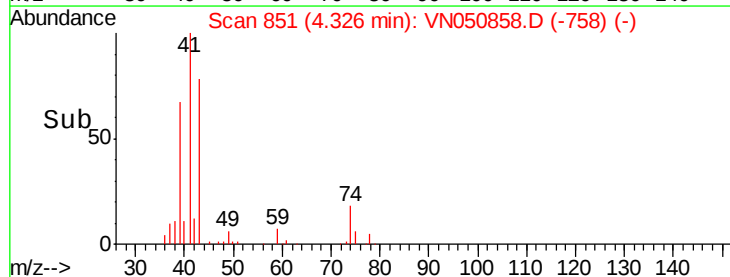
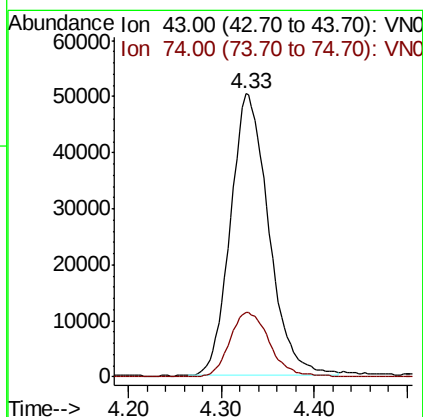
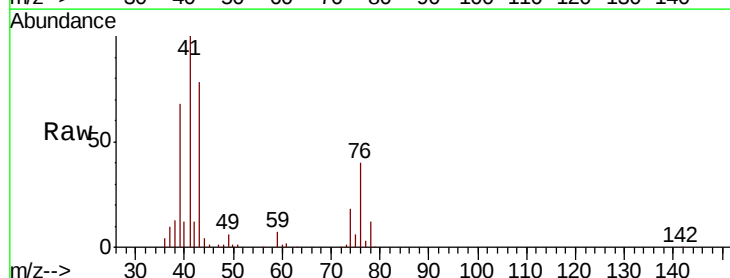
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 76 Resp: 389208
Ion Ratio Lower Upper
76 100
78 9.0 7.3 10.9



#18
Methyl Acetate
Concen: 21.30 ug/l
RT: 4.33 min Scan# 851
Delta R.T. 0.00 min
Lab File: VN050858.D
Acq: 23 Aug 2018 17:25

Tgt Ion: 43 Resp: 144328
Ion Ratio Lower Upper
43 100
74 23.8 19.8 29.8

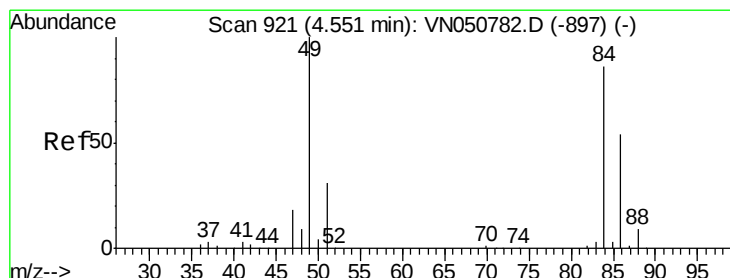
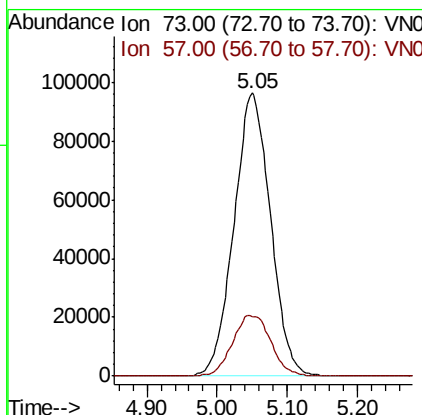
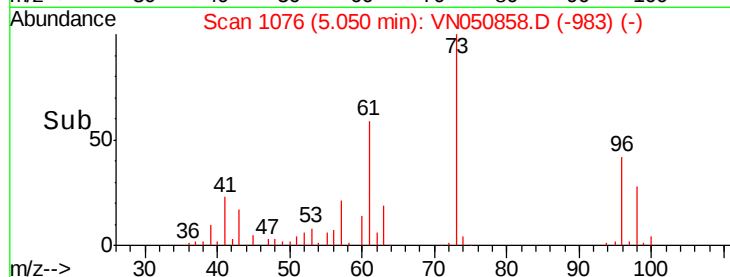
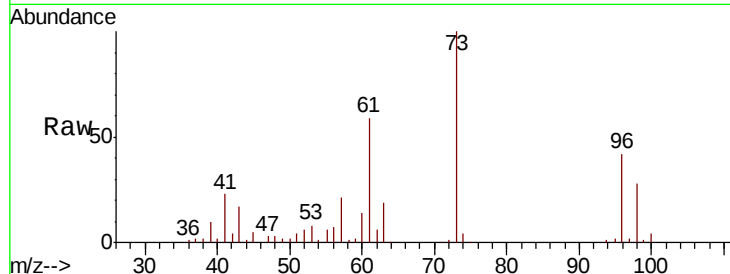




#19
Methyl tert-butyl Ether
Concen: 20.66 ug/l
RT: 5.05 min Scan# 1076
Delta R.T. -0.00 min
Lab File: VN050858.D
Acq: 23 Aug 2018 17:25

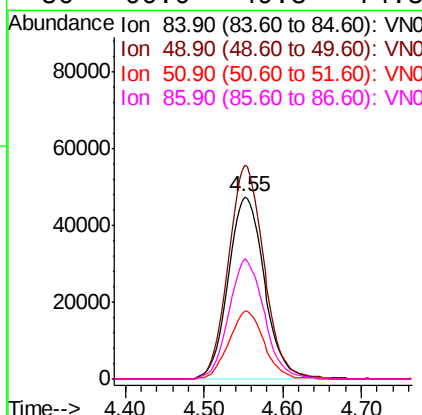
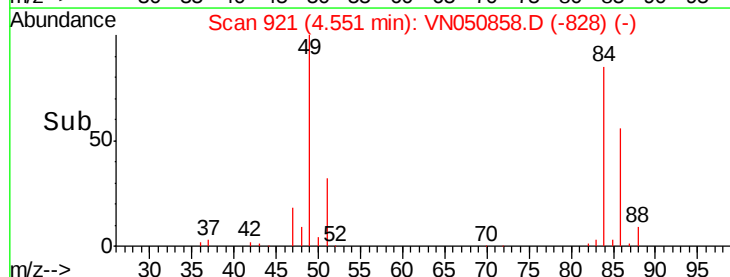
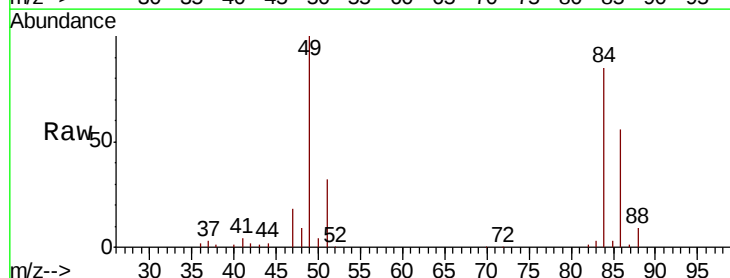
Instrument :
MSVOA_N
ClientSampled :

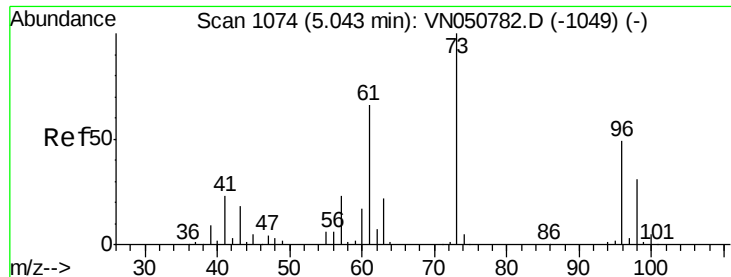
Tot Ion: 73 Resp: 347913
Ion Ratio Lower Upper
73 100
57 21.0 17.8 26.8



#20
Methylene Chloride
Concen: 18.77 ug/l
RT: 4.55 min Scan# 921
Delta R.T. -0.00 min
Lab File: VN050858.D
Acq: 23 Aug 2018 17:25

Tgt Ion: 84 Resp: 151830
Ion Ratio Lower Upper
84 100
49 117.2 93.2 139.8
51 37.2 29.0 43.6
86 66.0 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 18.79 ug/l

RT: 5.04 min Scan# 1074

Delta R.T. -0.00 min

Lab File: VN050858.D

Acq: 23 Aug 2018 17:25

Instrument :
MSVOA_N
ClientSampled :

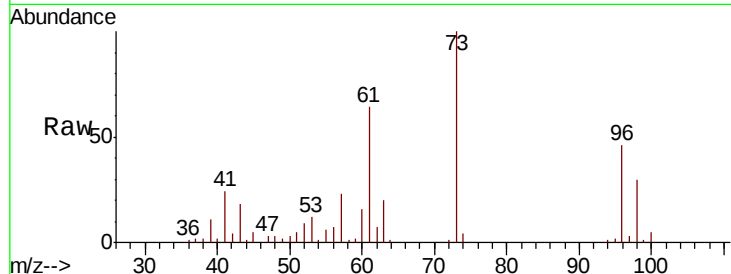
Tot Ion: 96 Resp: 136039

Ion Ratio Lower Upper

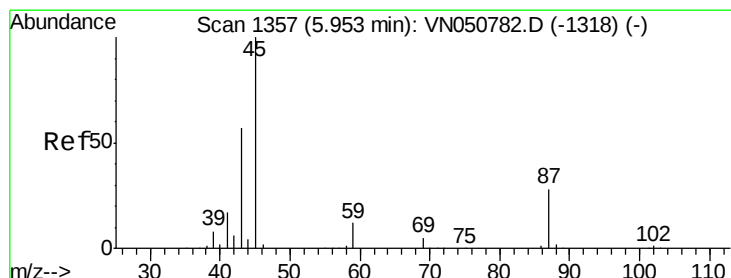
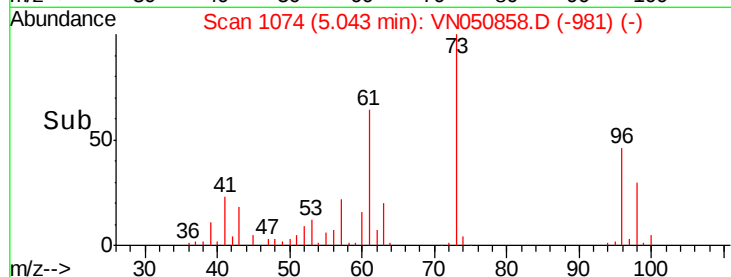
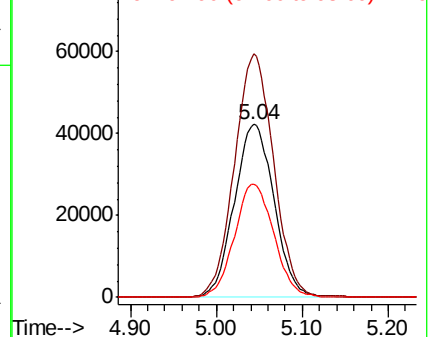
96 100

61 140.6 107.4 161.0

98 65.7 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: 20.47 ug/l

RT: 5.96 min Scan# 1358

Delta R.T. 0.00 min

Lab File: VN050858.D

Acq: 23 Aug 2018 17:25

Tgt Ion: 45 Resp: 425487

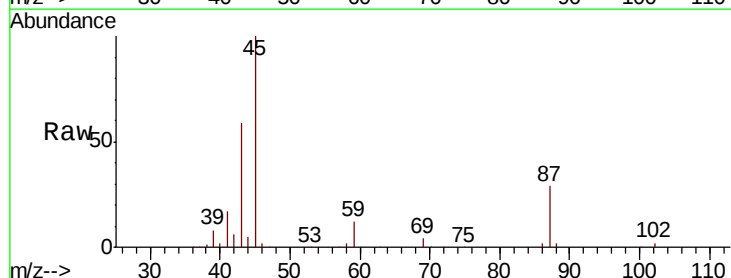
Ion Ratio Lower Upper

45 100

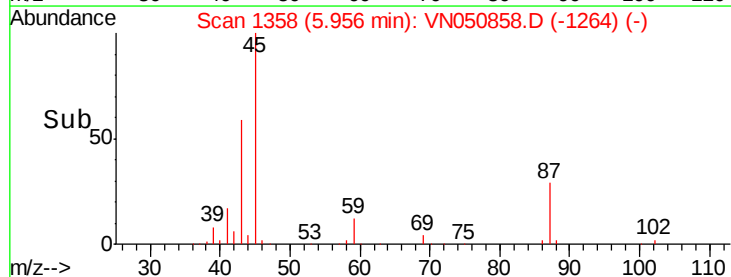
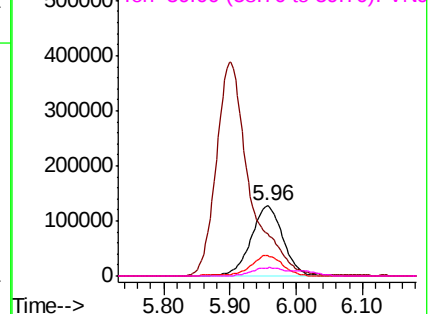
43 58.1 45.9 68.9

87 28.7 22.7 34.1

59 11.5 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: 101.21 ug/l

RT: 5.90 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VN050858.D

Acq: 23 Aug 2018 17:25

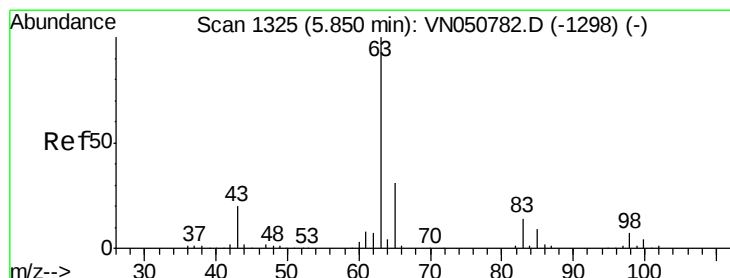
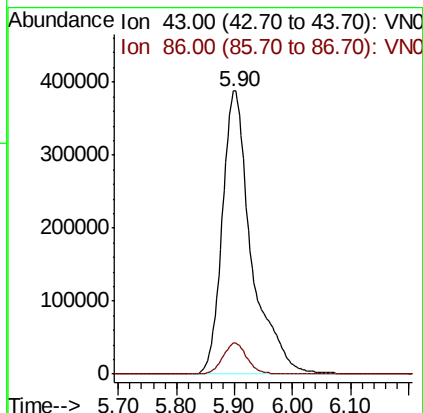
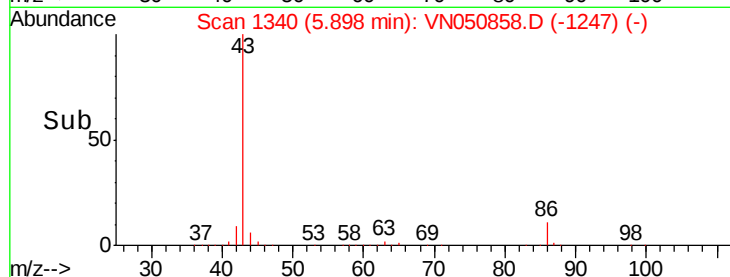
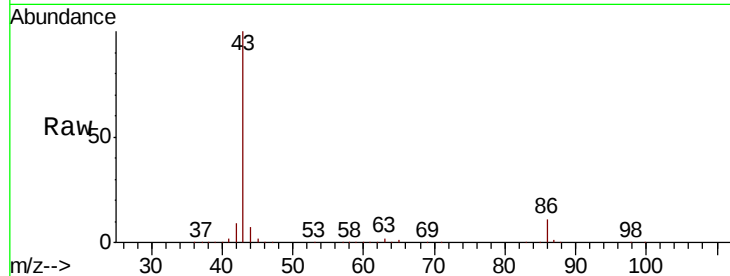
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 1354936

Ion Ratio Lower Upper

43 100

86 11.0 8.7 13.1



#24

1,1-Dichloroethane

Concen: 19.21 ug/l

RT: 5.85 min Scan# 1326

Delta R.T. 0.00 min

Lab File: VN050858.D

Acq: 23 Aug 2018 17:25

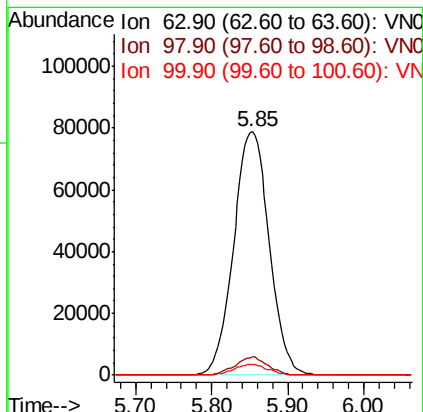
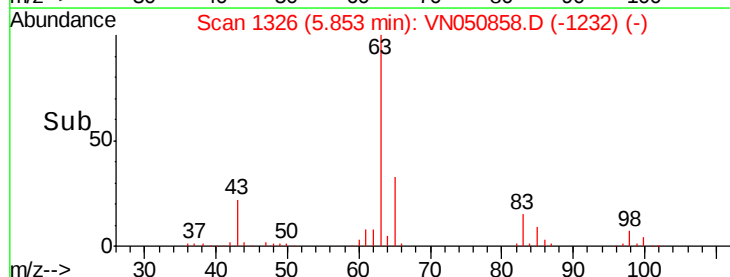
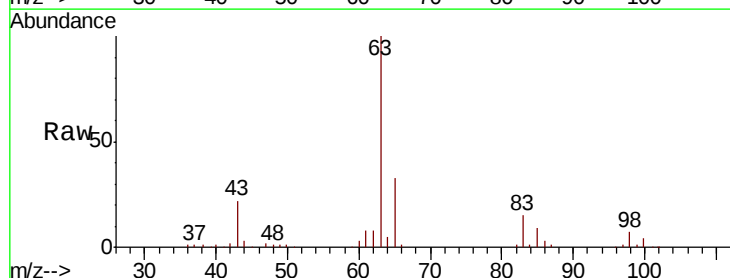
Tgt Ion: 63 Resp: 256337

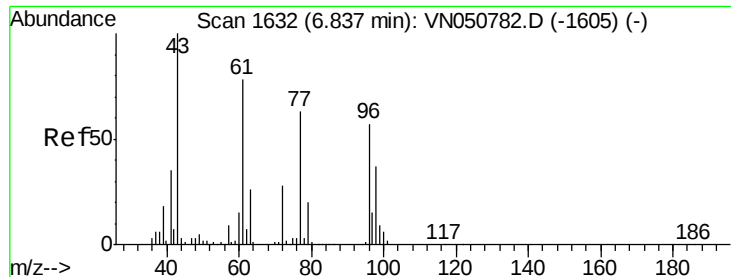
Ion Ratio Lower Upper

63 100

98 7.5 3.3 9.8

100 4.4 2.1 6.5





#25

2-Butanone

Concen: 95.06 ug/l

RT: 6.84 min Scan# 1634

Delta R.T. 0.01 min

Lab File: VN050858.D

Acq: 23 Aug 2018 17:25

Instrument :

MSVOA_N

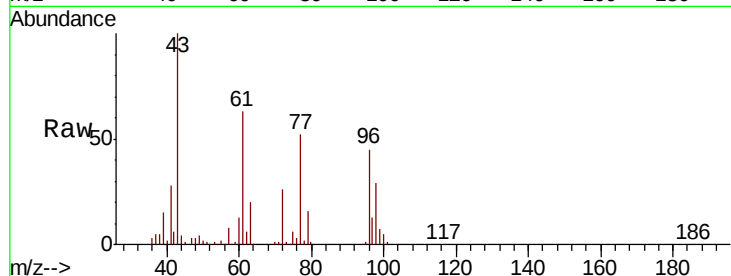
ClientSampled :

Tot Ion: 43 Resp: 274883

Ion Ratio Lower Upper

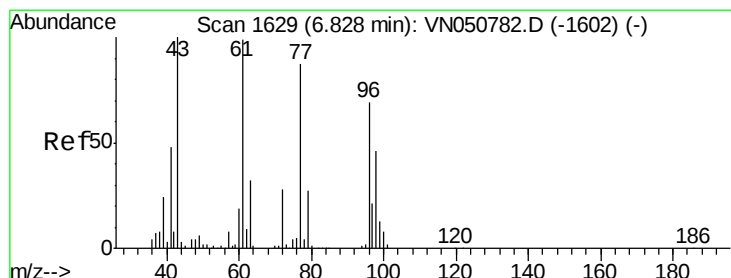
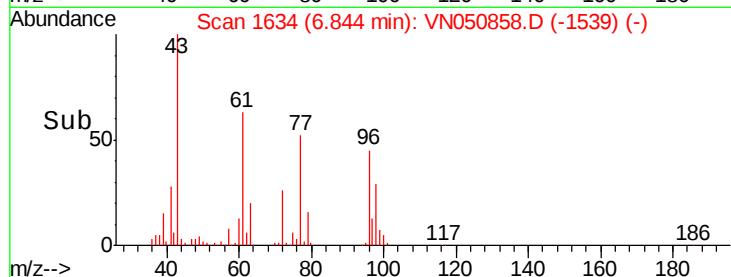
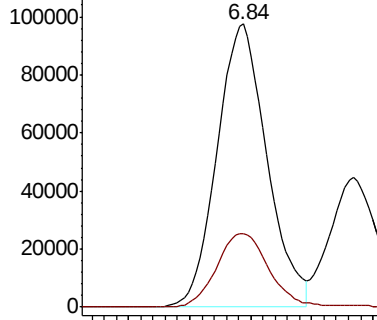
43 100

72 25.9 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: 19.03 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. -0.00 min

Lab File: VN050858.D

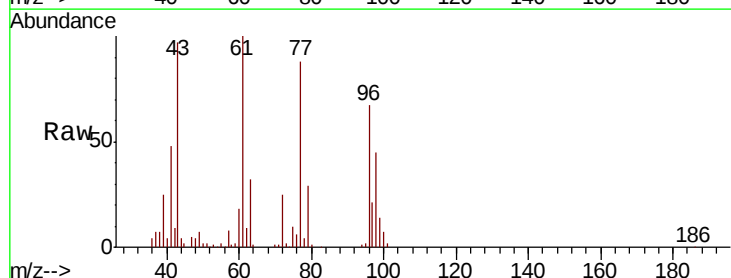
Acq: 23 Aug 2018 17:25

Tgt Ion: 77 Resp: 204120

Ion Ratio Lower Upper

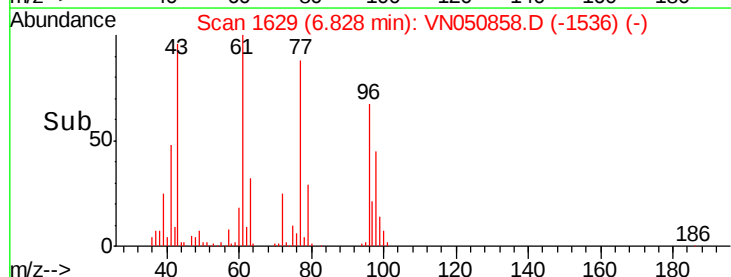
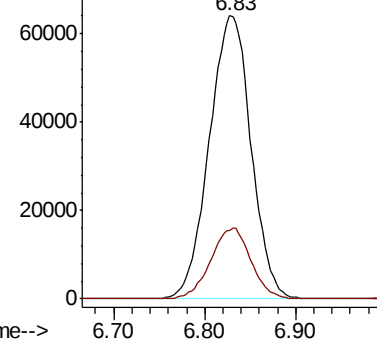
77 100

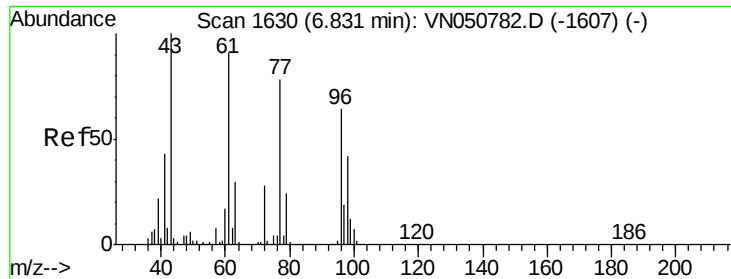
97 24.0 12.0 36.0



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: 19.37 ug/l

RT: 6.83 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VN050858.D

Acq: 23 Aug 2018 17:25

Instrument :
MSVOA_N
ClientSampled :

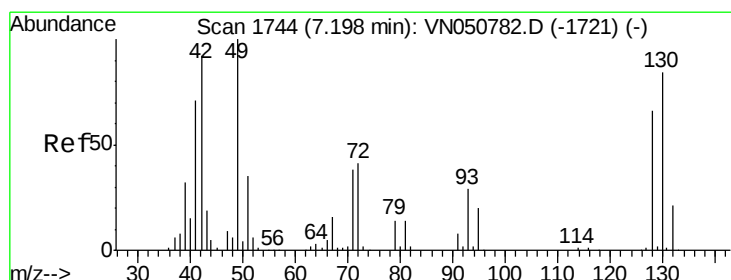
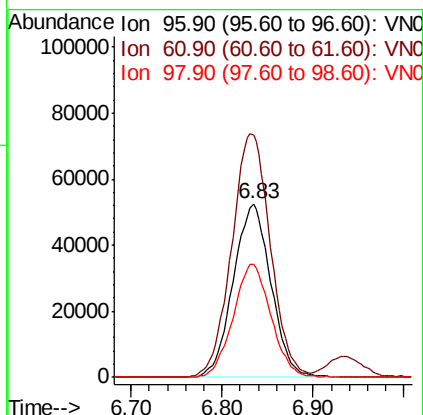
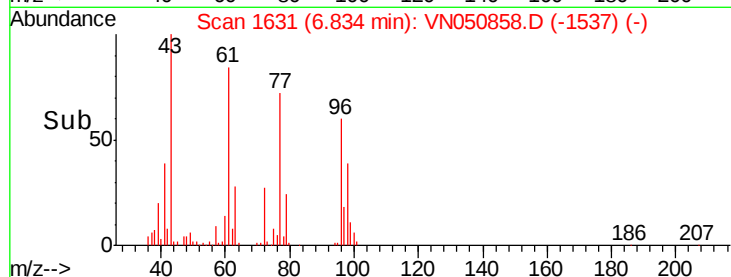
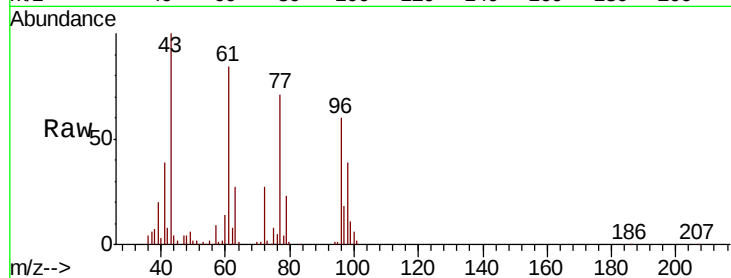
Tot Ion: 96 Resp: 151173

Ion Ratio Lower Upper

96 100

61 144.0 0.0 283.4

98 65.2 0.0 129.8



#28

Bromochloromethane

Concen: 19.12 ug/l

RT: 7.20 min Scan# 1744

Delta R.T. -0.00 min

Lab File: VN050858.D

Acq: 23 Aug 2018 17:25

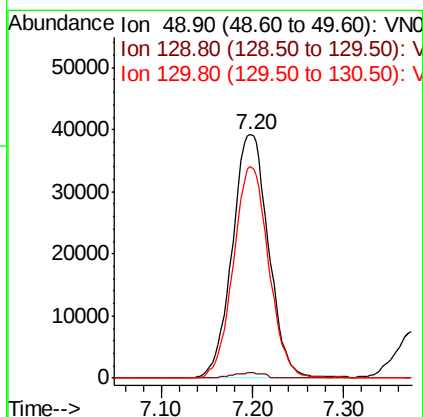
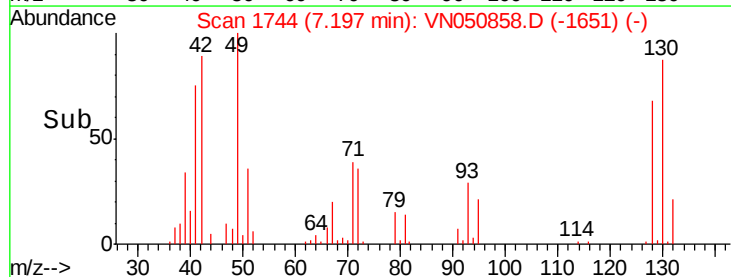
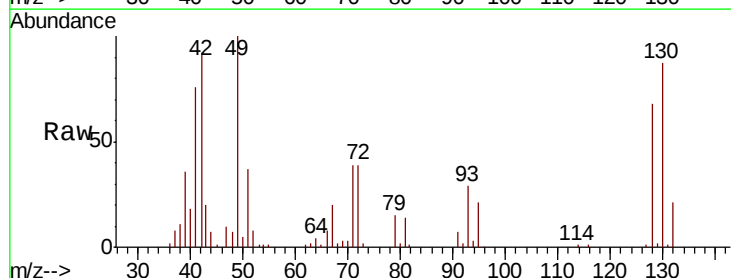
Tgt Ion: 49 Resp: 108420

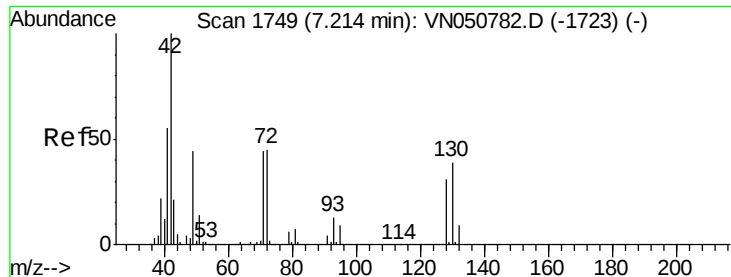
Ion Ratio Lower Upper

49 100

129 1.9 0.0 4.2

130 84.7 67.1 100.7

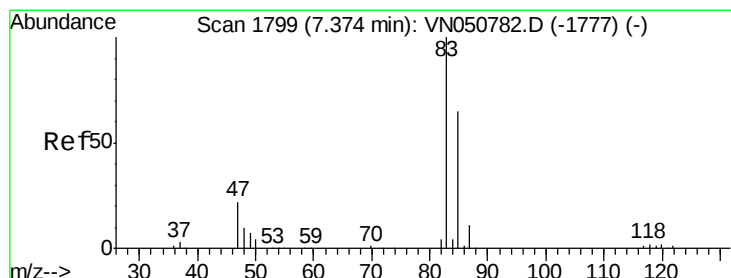
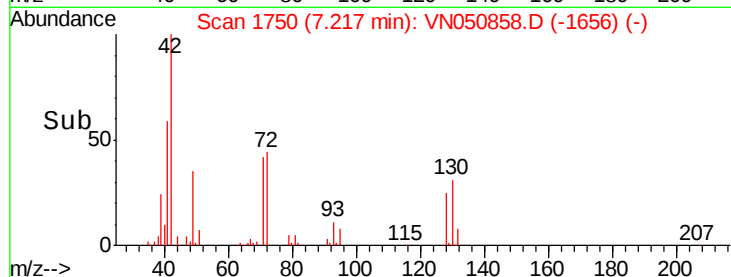
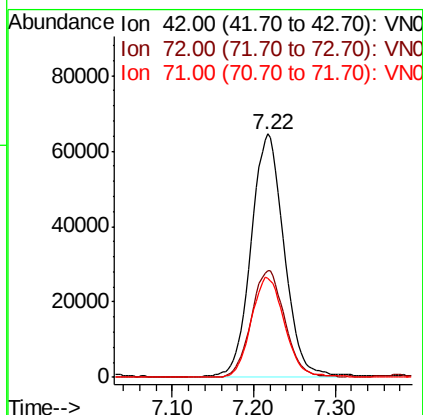
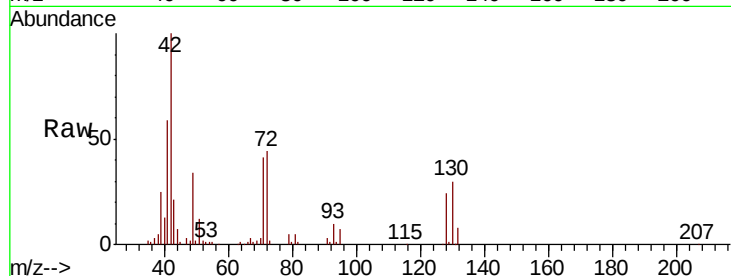




#29
Tetrahydrofuran
Concen: 109.08 ug/l
RT: 7.22 min Scan# 1750
Delta R.T. 0.00 min
Lab File: VN050858.D
Acq: 23 Aug 2018 17:25

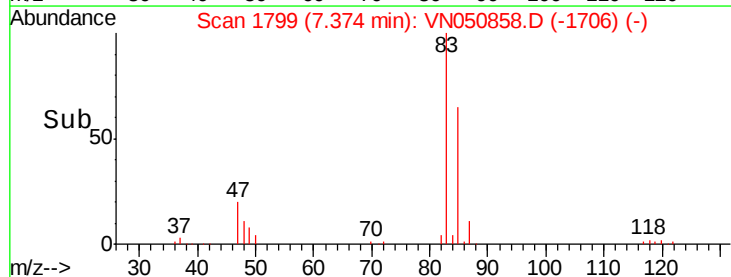
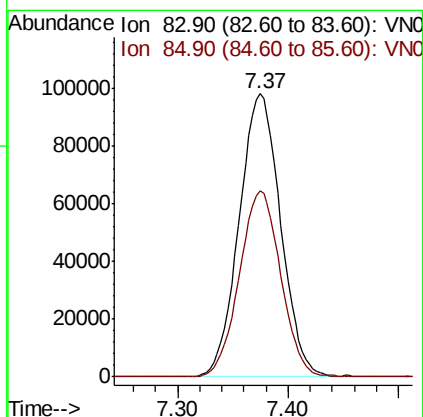
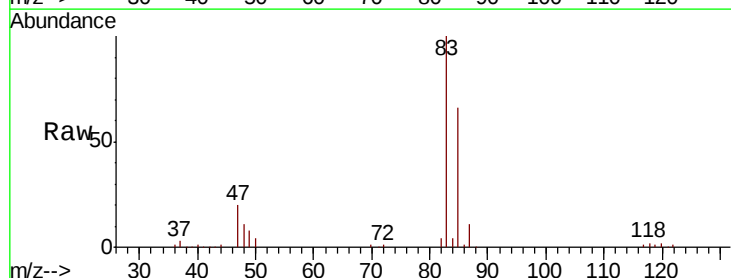
Instrument :
MSVOA_N
ClientSampled :

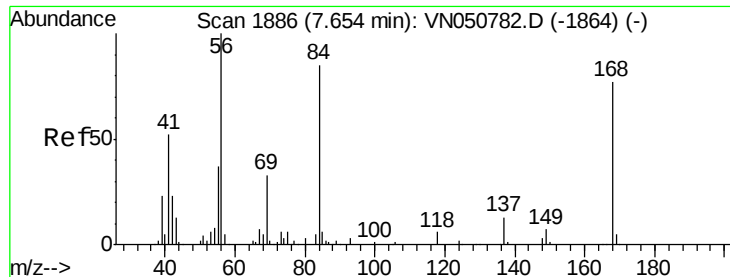
Tot Ion: 42 Resp: 180837
Ion Ratio Lower Upper
42 100
72 44.2 35.5 53.3
71 41.5 33.7 50.5



#30
Chloroform
Concen: 19.35 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. -0.00 min
Lab File: VN050858.D
Acq: 23 Aug 2018 17:25

Tgt Ion: 83 Resp: 255756
Ion Ratio Lower Upper
83 100
85 65.6 52.2 78.4

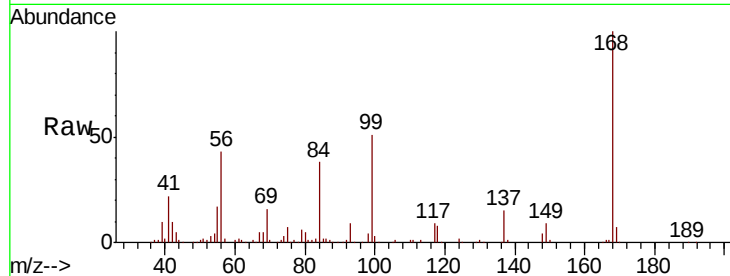




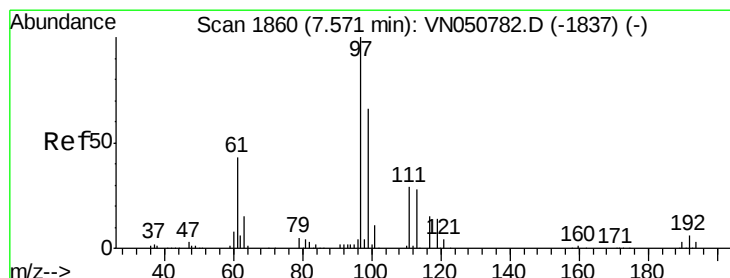
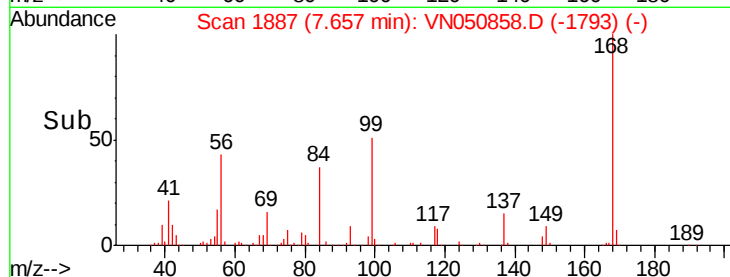
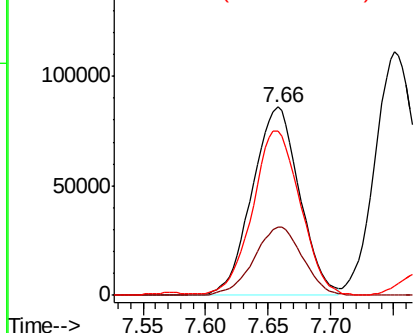
#31
Cyclohexane
Concen: 18.92 ug/l
RT: 7.66 min Scan# 1887
Delta R.T. 0.00 min
Lab File: VN050858.D
Acq: 23 Aug 2018 17:25

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 225940
Ion Ratio Lower Upper
56 100
69 36.1 26.2 39.4
84 86.5 68.3 102.5

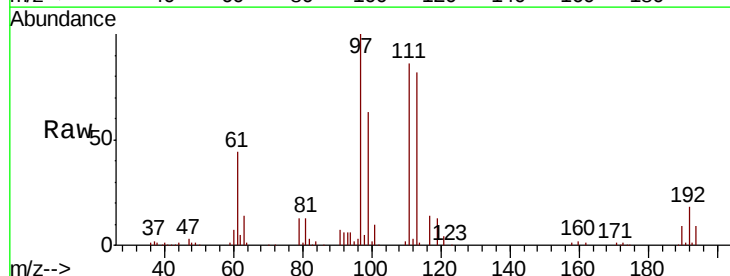


Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO

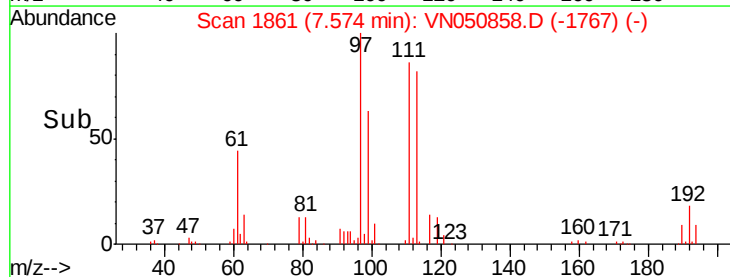
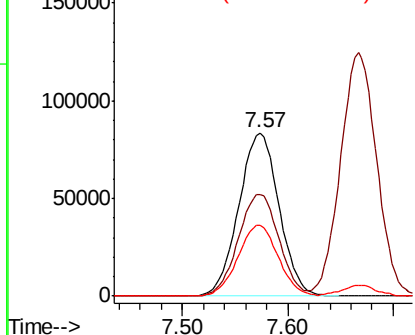


#32
1,1,1-Trichloroethane
Concen: 19.58 ug/l
RT: 7.57 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN050858.D
Acq: 23 Aug 2018 17:25

Tgt Ion: 97 Resp: 222260
Ion Ratio Lower Upper
97 100
99 63.1 51.8 77.6
61 43.4 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

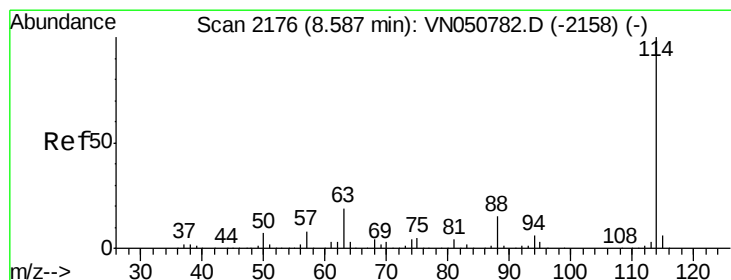
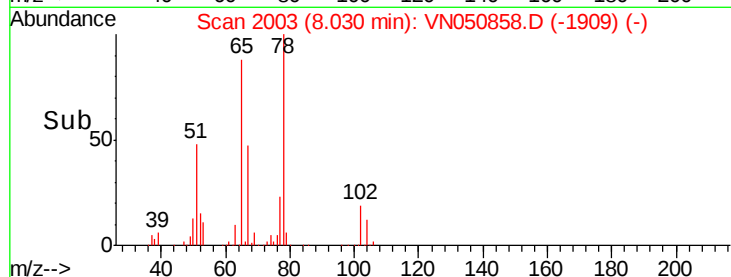
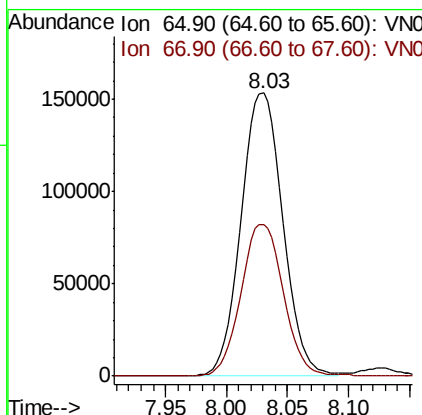
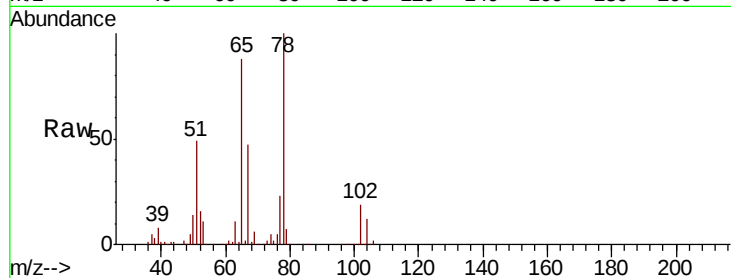




#33
 1,2-Dichloroethane-d4
 Concen: 50.64 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050858.D
 Acq: 23 Aug 2018 17:25

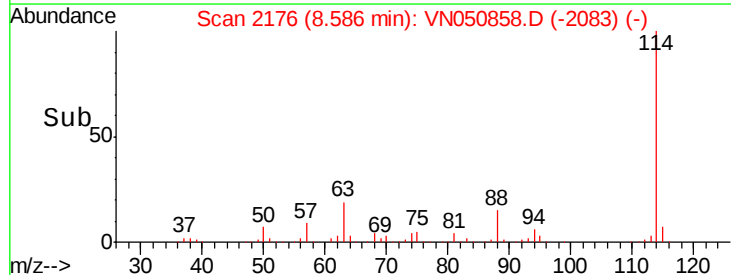
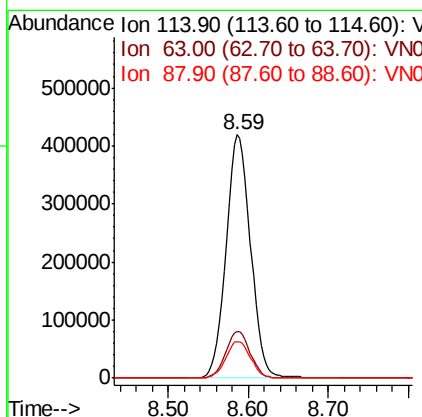
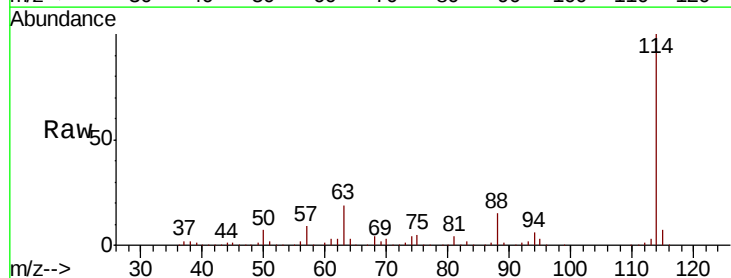
Instrument :
 MSVOA_N
 ClientSampleId :

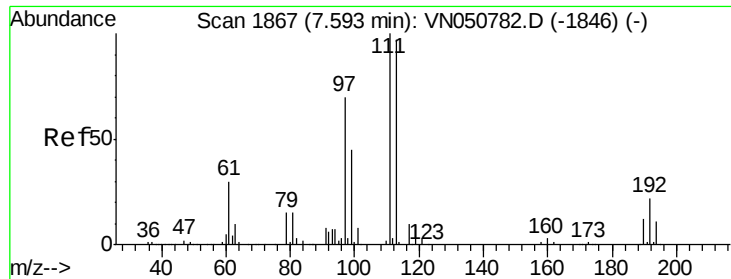
Tot Ion: 65 Resp: 363351
 Ion Ratio Lower Upper
 65 100
 67 54.6 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN050858.D
 Acq: 23 Aug 2018 17:25

Tgt Ion: 114 Resp: 874199
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 38.6
 88 15.1 0.0 30.6

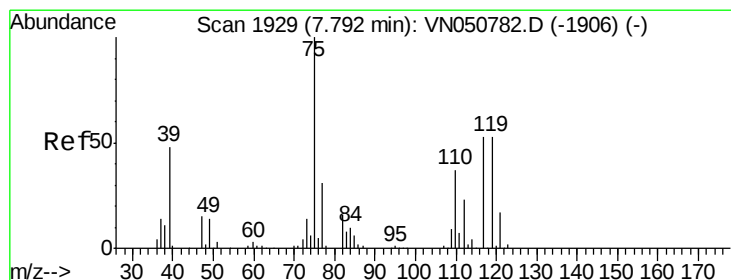
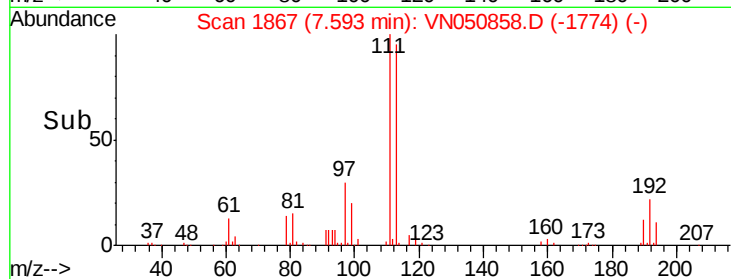
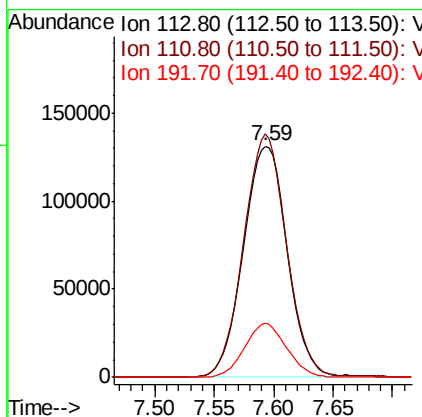
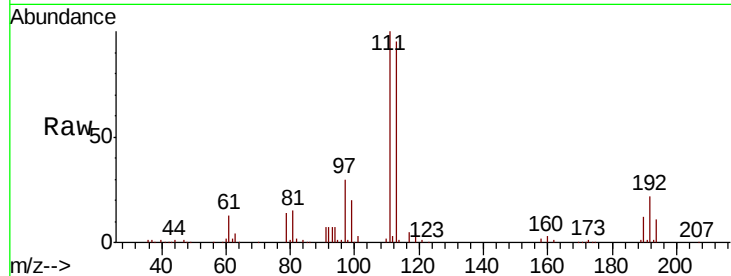




#35
 Dibromofluoromethane
 Concen: 48.31 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN050858.D
 Acq: 23 Aug 2018 17:25

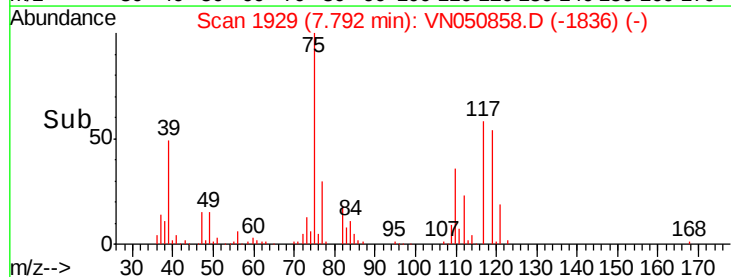
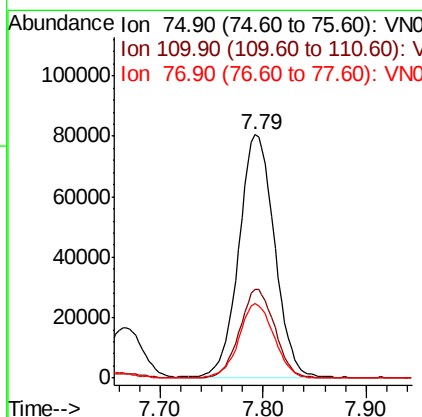
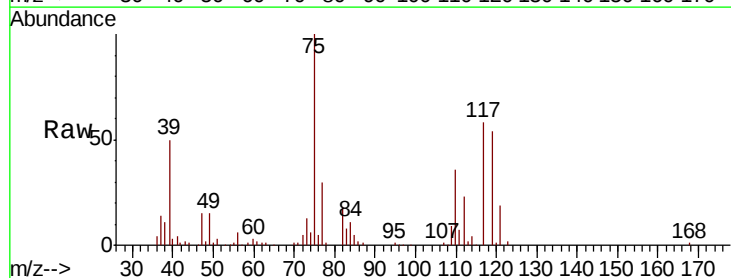
Instrument :
 MSVOA_N
 ClientSampleId :

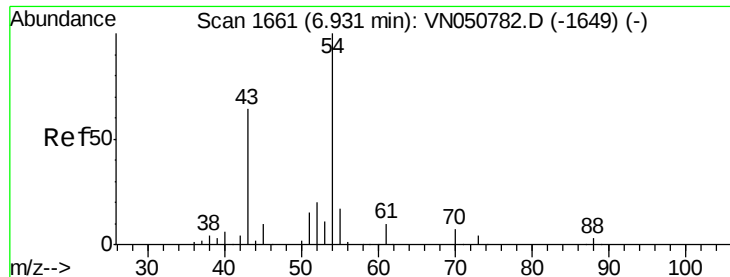
Tot Ion:113 Resp: 335961
 Ion Ratio Lower Upper
 113 100
 111 102.5 82.6 123.8
 192 22.3 18.0 27.0



#36
 1,1-Dichloropropene
 Concen: 18.70 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. -0.00 min
 Lab File: VN050858.D
 Acq: 23 Aug 2018 17:25

Tgt Ion: 75 Resp: 192880
 Ion Ratio Lower Upper
 75 100
 110 36.1 18.1 54.4
 77 30.6 24.8 37.2

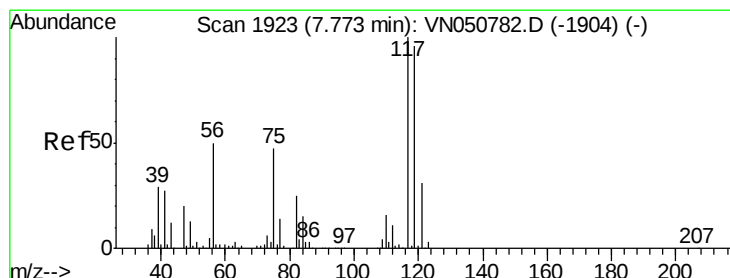
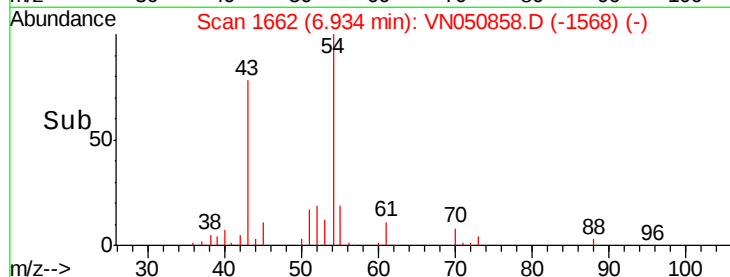
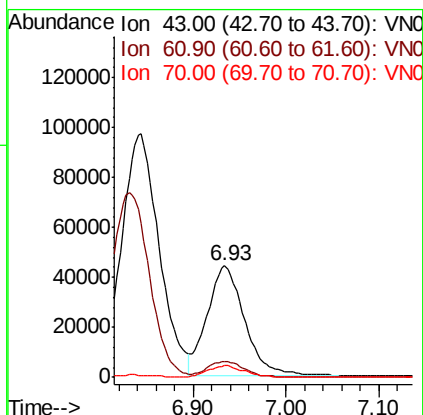
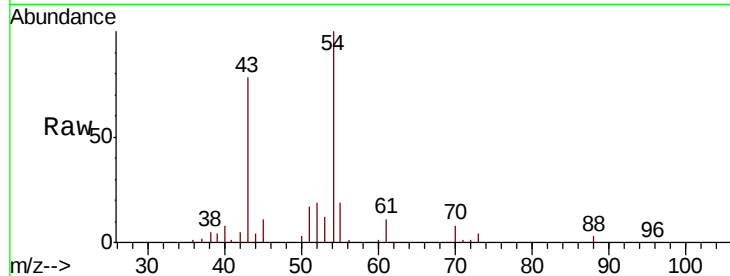




#37
Ethyl Acetate
Concen: 20.99 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VN050858.D
Acq: 23 Aug 2018 17:25

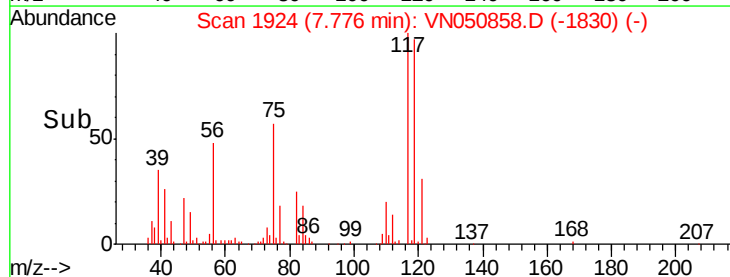
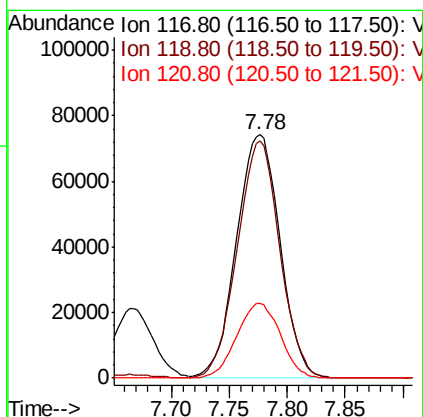
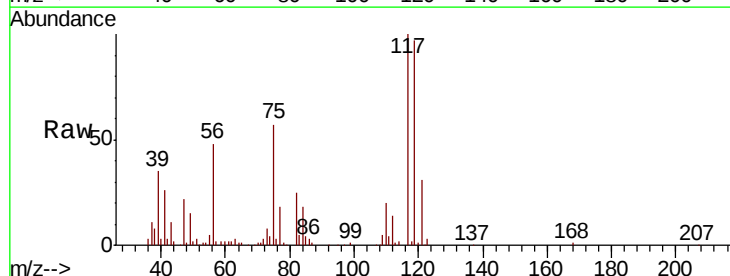
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 124367
Ion Ratio Lower Upper
43 100
61 13.3 12.0 18.0
70 10.6 8.6 13.0



#38
Carbon Tetrachloride
Concen: 18.52 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VN050858.D
Acq: 23 Aug 2018 17:25

Tgt Ion: 117 Resp: 193151
Ion Ratio Lower Upper
117 100
119 97.4 76.3 114.5
121 30.8 24.6 36.8

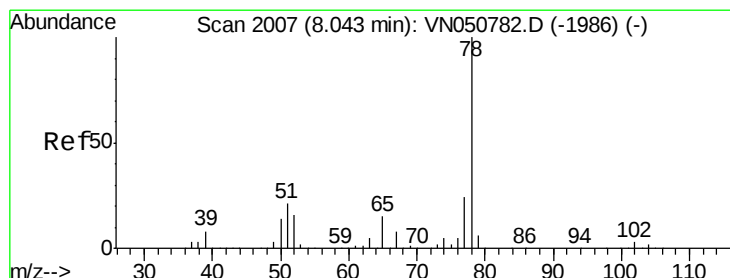
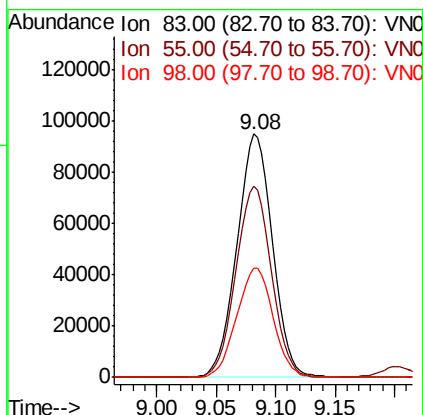
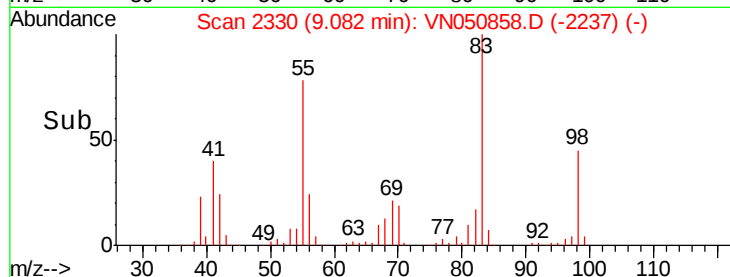
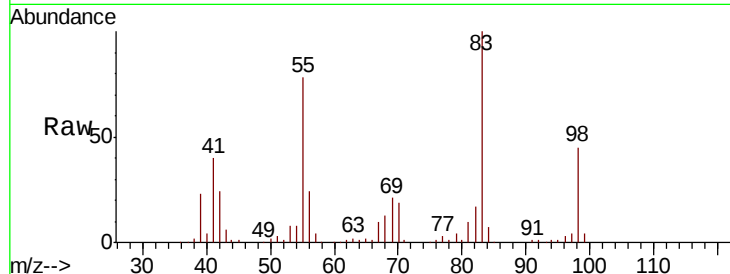




#39
Methvlcvclohexane
Concen: 17.63 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN050858.D
Acq: 23 Aug 2018 17:25

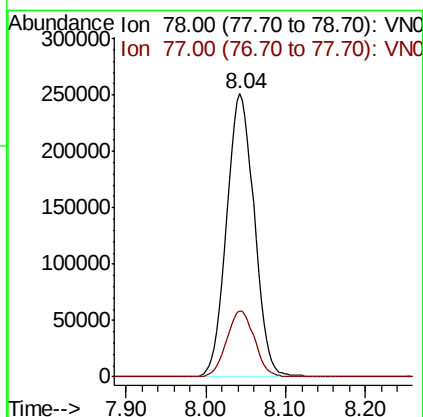
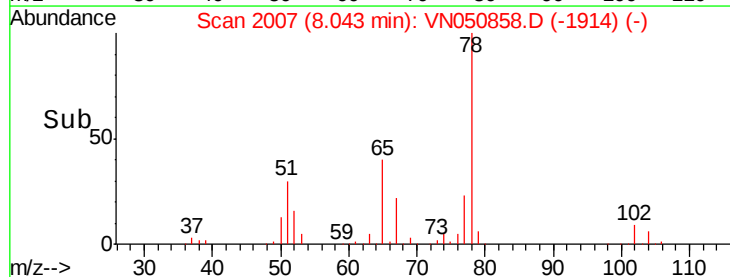
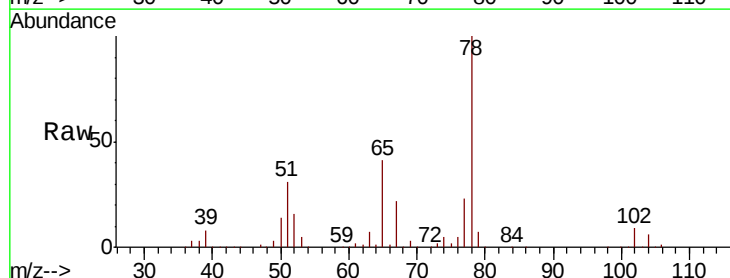
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 83 Resp: 196737
Ion Ratio Lower Upper
83 100
55 78.3 61.0 91.4
98 45.0 37.5 56.3



#40
Benzene
Concen: 19.04 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. -0.00 min
Lab File: VN050858.D
Acq: 23 Aug 2018 17:25

Tgt Ion: 78 Resp: 592388
Ion Ratio Lower Upper
78 100
77 23.4 19.0 28.4

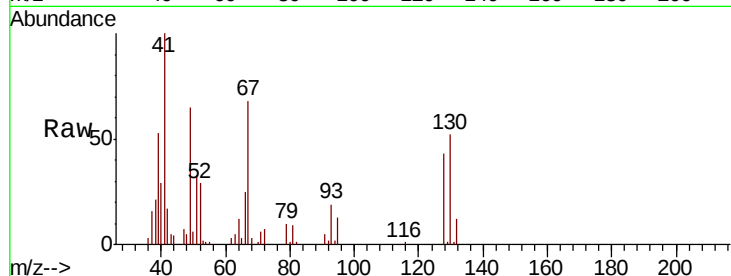




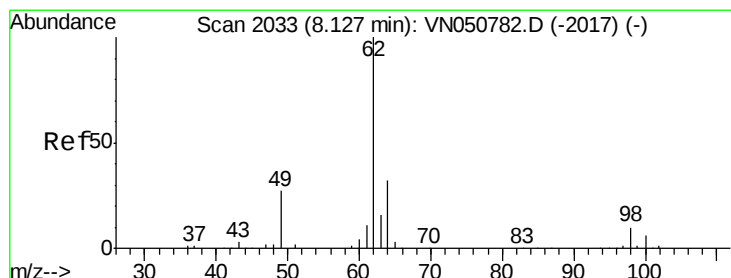
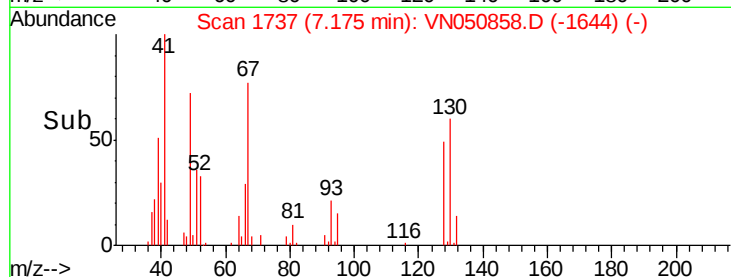
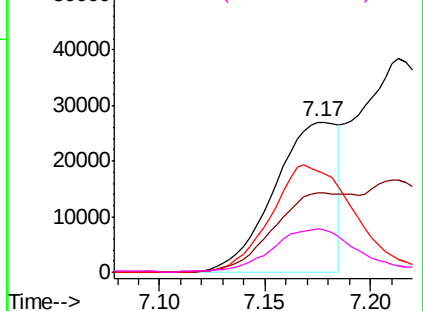
#41
Methacrylonitrile
Concen: 17.58 ug/l
RT: 7.17 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VN050858.D
Acq: 23 Aug 2018 17:25

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:	41	Resp:	56383
Ion	Ratio	Lower	Upper
41	100		
39	67.2	45.4	68.0
67	94.9	70.6	106.0
52	40.6	27.1	40.7

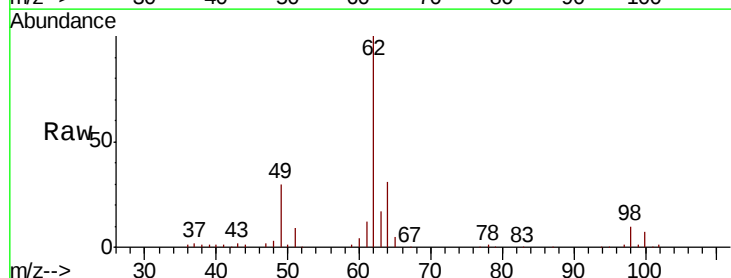


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

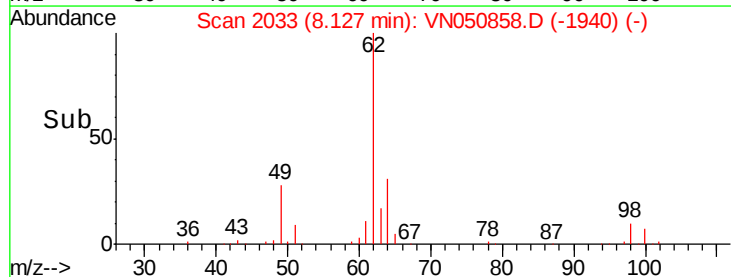
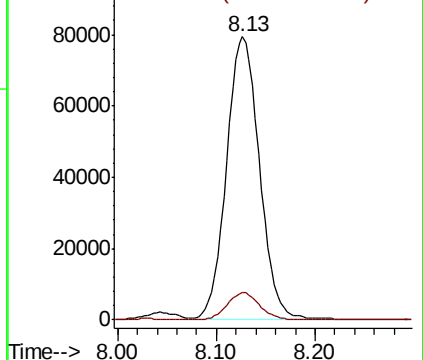


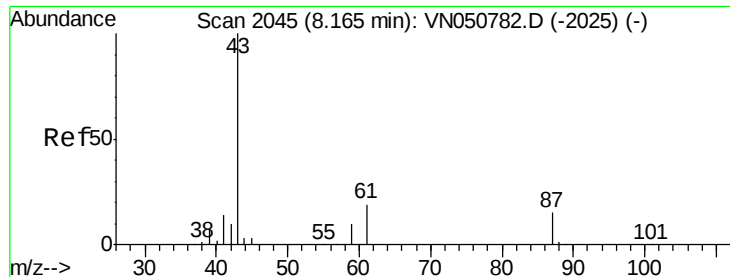
#42
1,2-Dichloroethane
Concen: 19.78 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. -0.00 min
Lab File: VN050858.D
Acq: 23 Aug 2018 17:25

Tgt Ion:	62	Resp:	183935
Ion	Ratio	Lower	Upper
62	100		
98	9.5	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: 22.49 ug/l

RT: 8.17 min Scan# 2045

Delta R.T. 0.00 min

Lab File: VN050858.D

Acq: 23 Aug 2018 17:25

Instrument :

MSVOA_N

ClientSampleId :

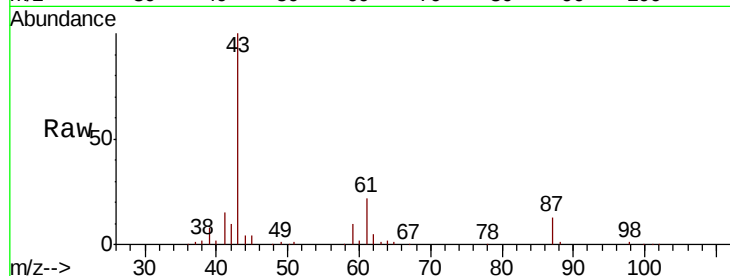
Tot Ion: 43 Resp: 229189

Ion Ratio Lower Upper

43 100

61 19.2 17.5 26.3

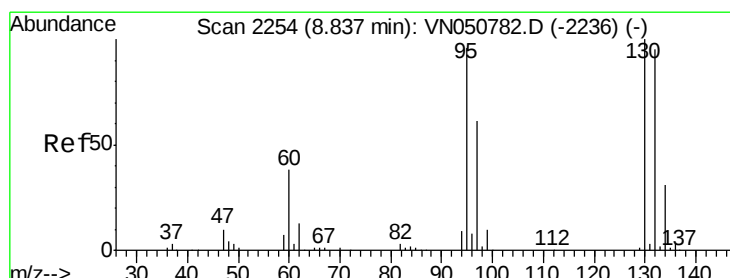
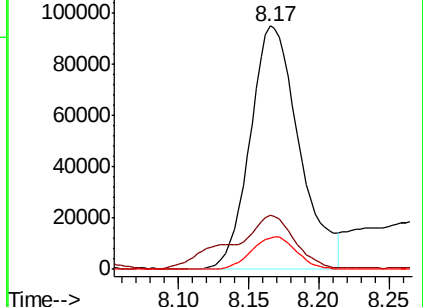
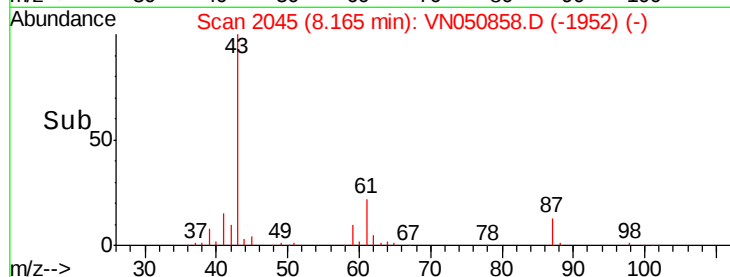
87 12.4 11.3 16.9



Abundance Ion 43.00 (42.70 to 43.70): VN050858.D (-1952) (-)

Ion 61.00 (60.70 to 61.70): VN050858.D (-1952) (-)

Ion 87.00 (86.70 to 87.70): VN050858.D (-1952) (-)



#44

Trichloroethene

Concen: 18.77 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. -0.00 min

Lab File: VN050858.D

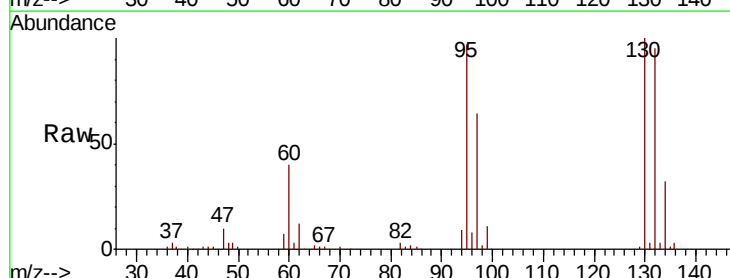
Acq: 23 Aug 2018 17:25

Tgt Ion: 130 Resp: 153998

Ion Ratio Lower Upper

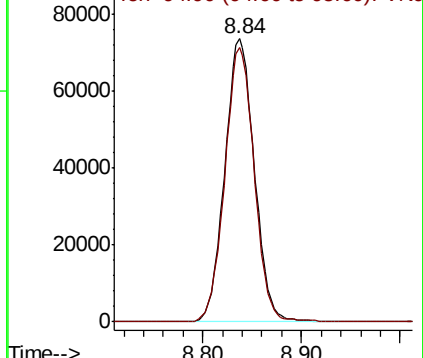
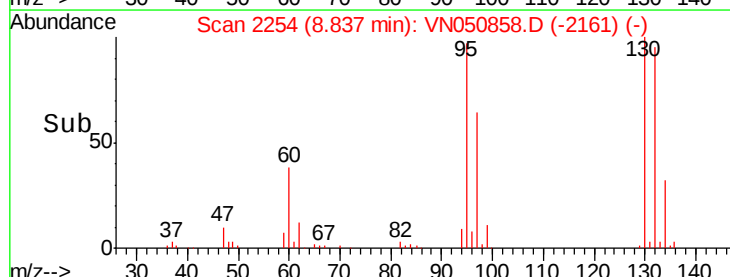
130 100

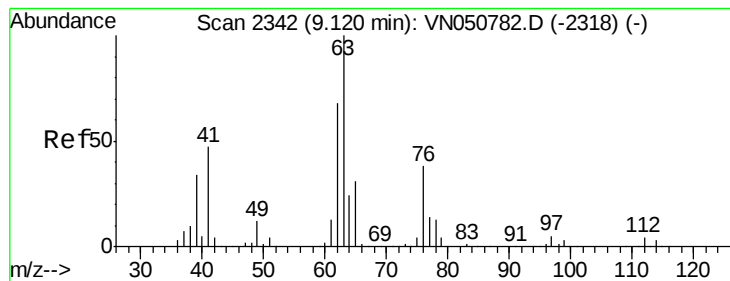
95 96.7 0.0 193.0



Abundance Ion 129.80 (129.50 to 130.50): VN050858.D (-2161) (-)

Ion 94.90 (94.60 to 95.60): VN050858.D (-2161) (-)





#45

1,2-Dichloropropane

Concen: 19.00 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. -0.00 min

Lab File: VN050858.D

Acq: 23 Aug 2018 17:25

Instrument :

MSVOA_N

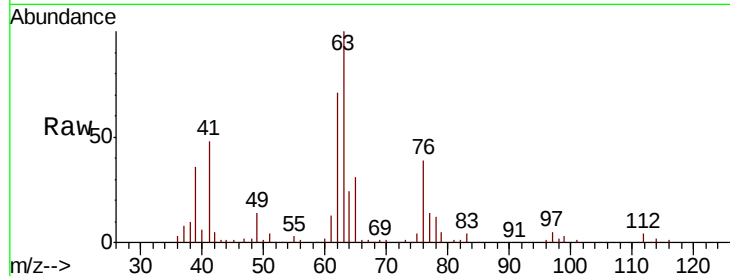
ClientSampled :

Tot Ion: 63 Resp: 155356

Ion Ratio Lower Upper

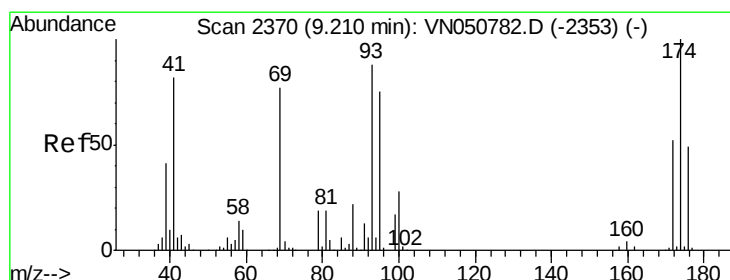
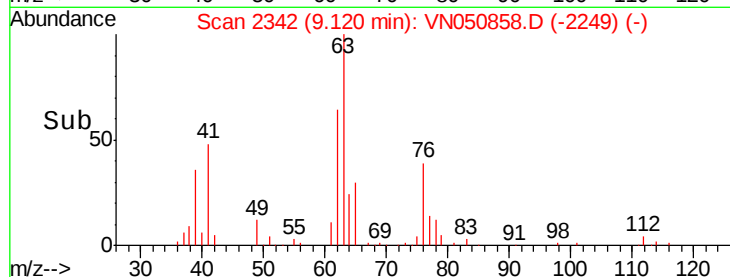
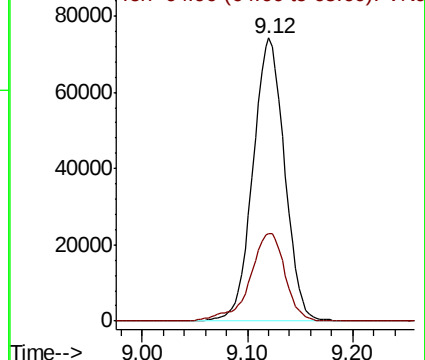
63 100

65 31.1 25.0 37.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 19.46 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VN050858.D

Acq: 23 Aug 2018 17:25

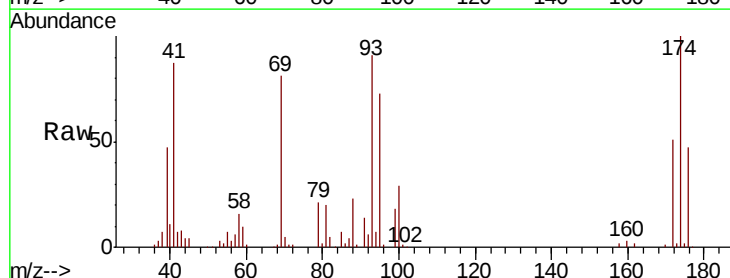
Tgt Ion: 93 Resp: 93469

Ion Ratio Lower Upper

93 100

95 83.4 66.7 100.1

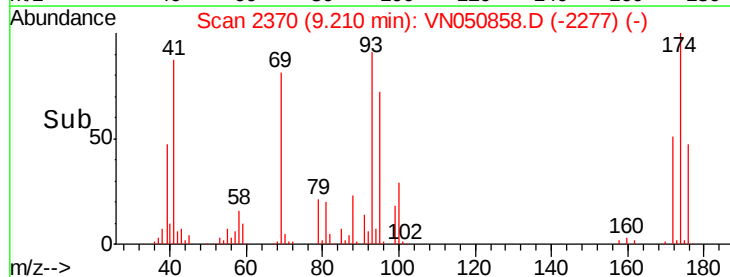
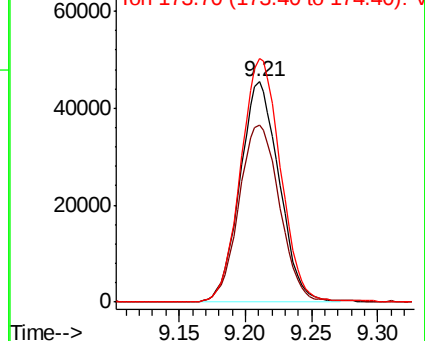
174 111.9 89.8 134.6

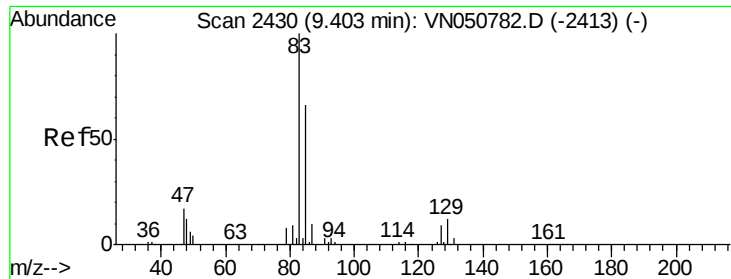


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 19.22 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. -0.00 min

Lab File: VN050858.D

Acq: 23 Aug 2018 17:25

Instrument :
MSVOA_N
ClientSampled :

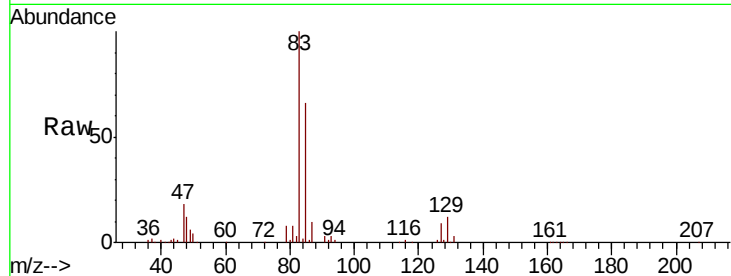
Tot Ion: 83 Resp: 193389

Ion Ratio Lower Upper

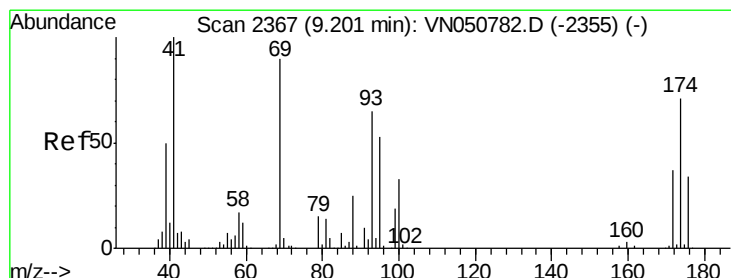
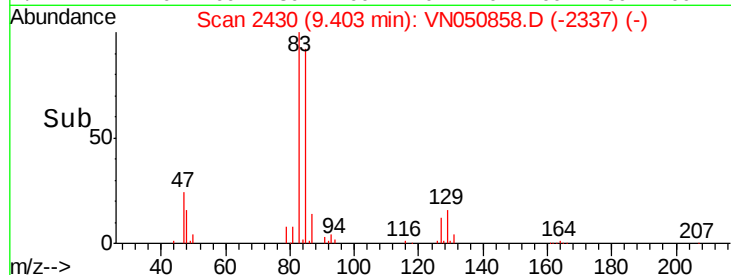
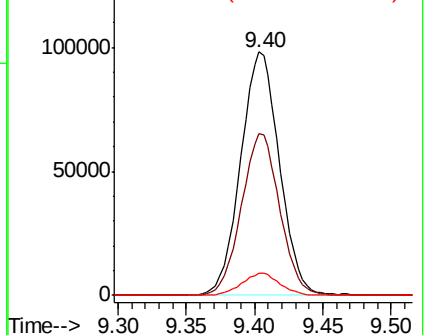
83 100

85 66.3 52.6 78.8

127 8.9 7.2 10.8



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): VN0



#48

Methyl methacrylate

Concen: 19.80 ug/l

RT: 9.20 min Scan# 2367

Delta R.T. 0.00 min

Lab File: VN050858.D

Acq: 23 Aug 2018 17:25

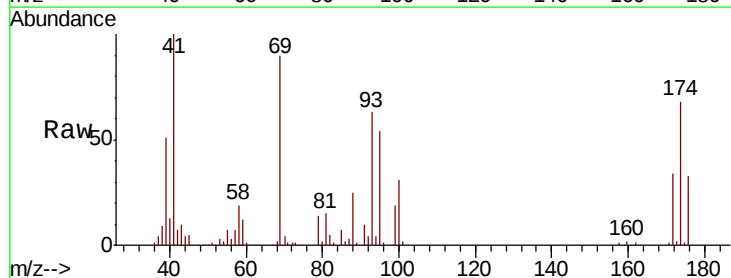
Tgt Ion: 41 Resp: 102838

Ion Ratio Lower Upper

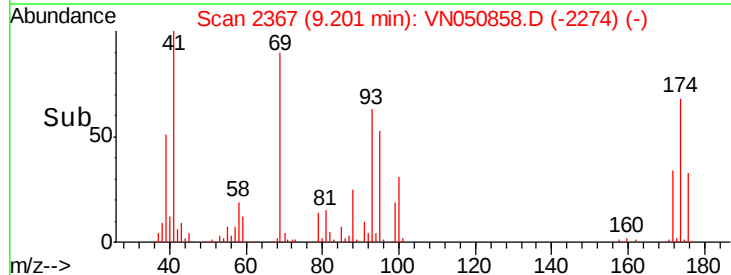
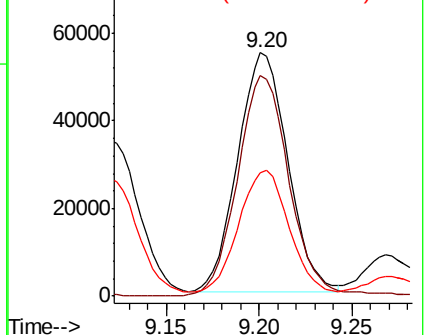
41 100

69 95.6 74.7 112.1

39 53.3 42.2 63.2



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

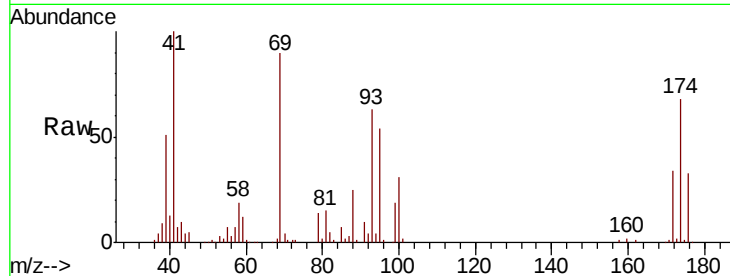




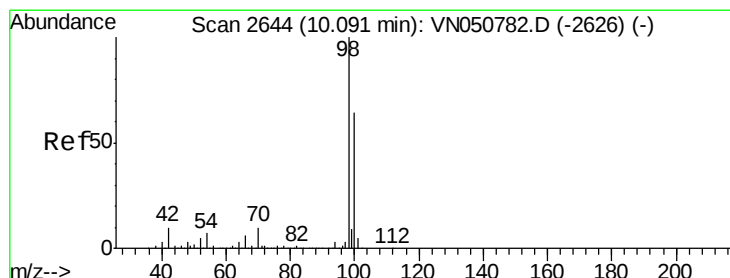
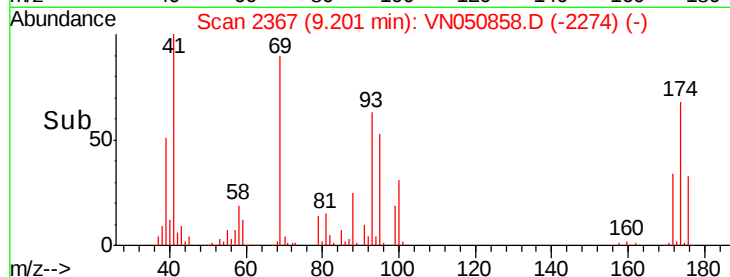
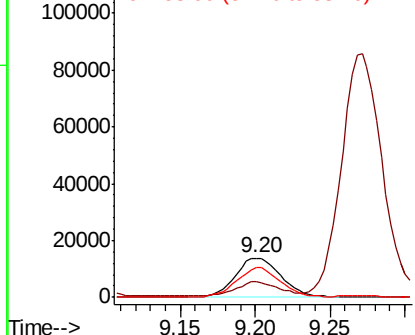
#49
 1,4-Dioxane
 Concen: 416.80 ug/l
 RT: 9.20 min Scan# 2367
 Delta R.T. -0.00 min
 Lab File: VN050858.D
 Acq: 23 Aug 2018 17:25

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 88 Resp: 29504
 Ion Ratio Lower Upper
 88 100
 43 32.2 25.9 38.9
 58 72.4 55.0 82.4

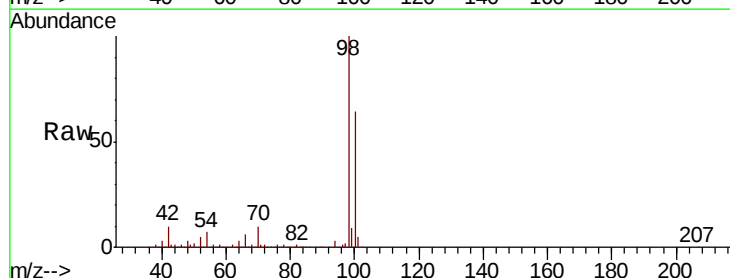


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

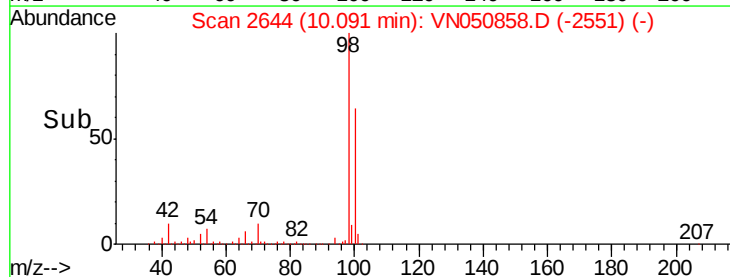
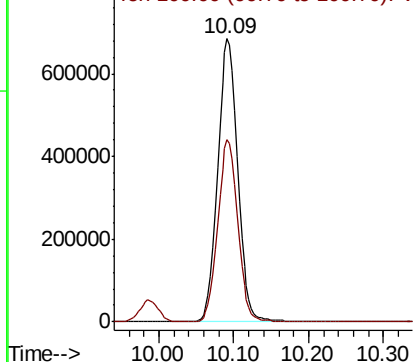


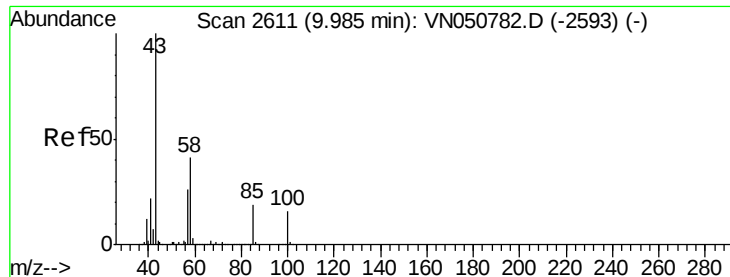
#50
 Toluene-d8
 Concen: 48.69 ug/l
 RT: 10.09 min Scan# 2644
 Delta R.T. -0.00 min
 Lab File: VN050858.D
 Acq: 23 Aug 2018 17:25

Tgt Ion: 98 Resp: 1266015
 Ion Ratio Lower Upper
 98 100
 100 64.5 51.5 77.3



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





#51

4-Methyl-2-Pentanone

Concen: 100.13 ug/l

RT: 9.99 min Scan# 2611

Delta R.T. -0.00 min

Lab File: VN050858.D

Acq: 23 Aug 2018 17:25

Instrument :

MSVOA_N

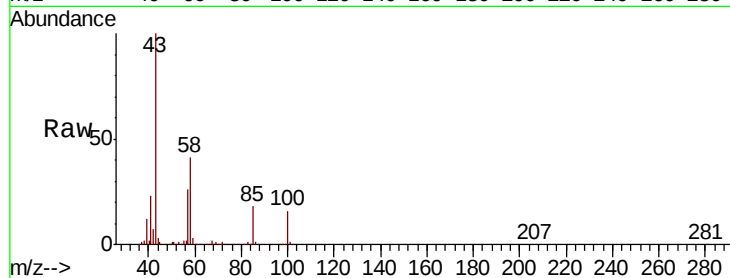
ClientSampled :

Tot Ion: 43 Resp: 608799

Ion Ratio Lower Upper

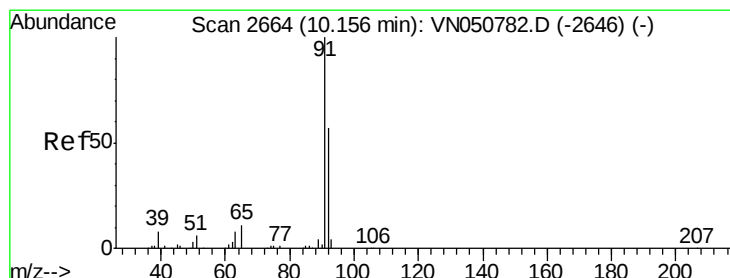
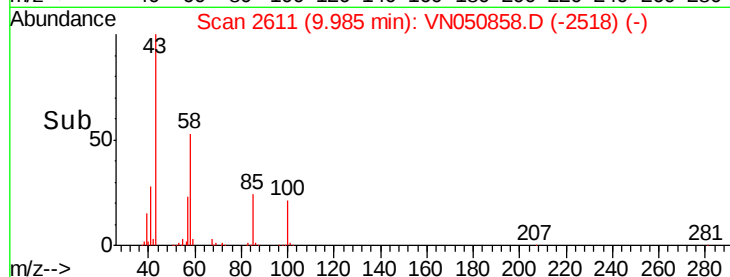
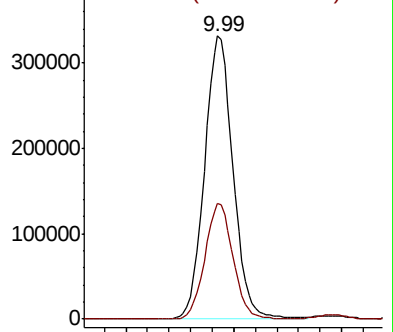
43 100

58 40.5 32.4 48.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 19.56 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. -0.00 min

Lab File: VN050858.D

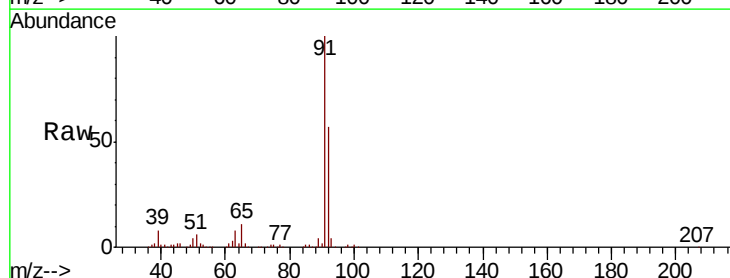
Acq: 23 Aug 2018 17:25

Tgt Ion: 92 Resp: 360358

Ion Ratio Lower Upper

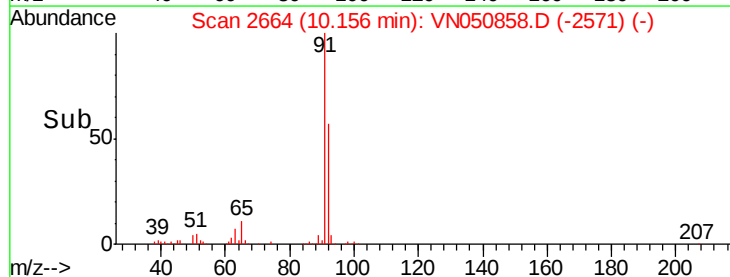
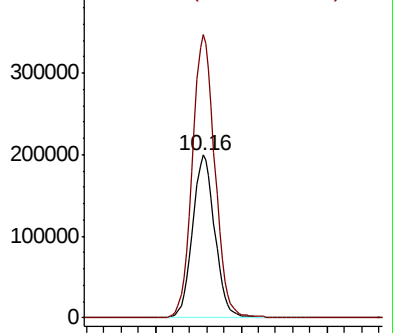
92 100

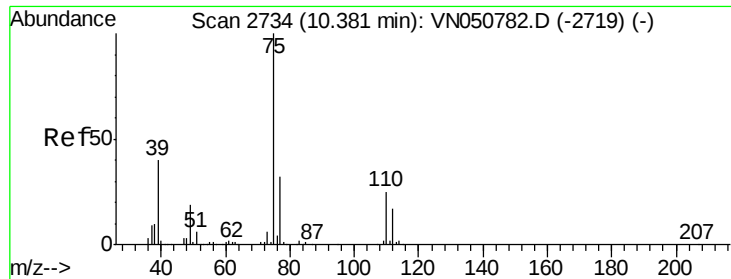
91 176.0 140.6 211.0



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 18.97 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN050858.D

Acq: 23 Aug 2018 17:25

Instrument :

MSVOA_N

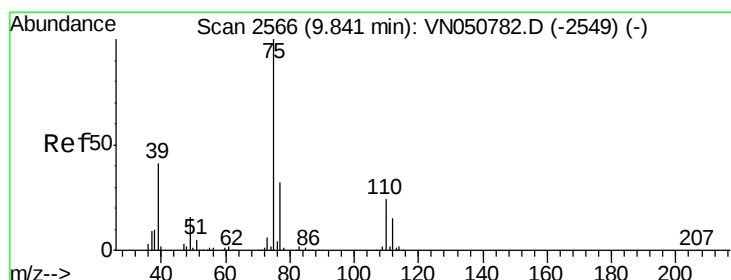
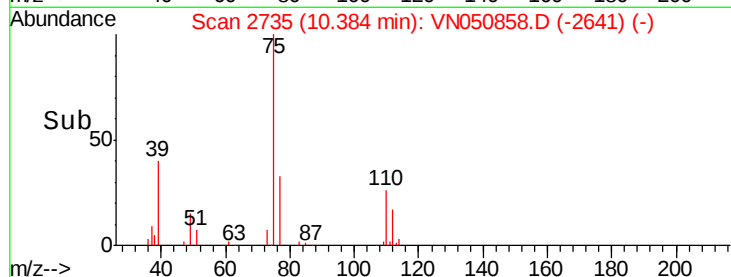
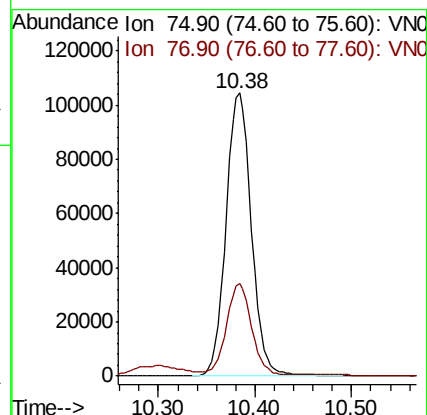
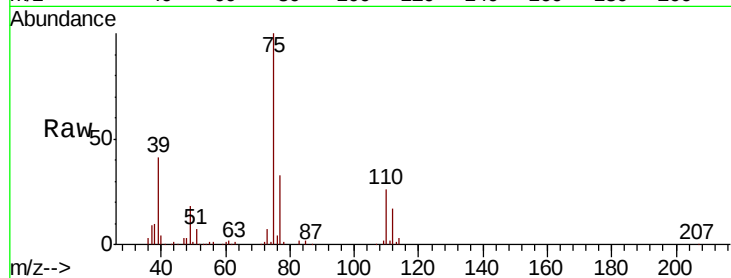
ClientSampleId :

Tot Ion: 75 Resp: 190018

Ion Ratio Lower Upper

75 100

77 32.5 25.7 38.5



#54

cis-1,3-Dichloropropene

Concen: 19.24 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. -0.00 min

Lab File: VN050858.D

Acq: 23 Aug 2018 17:25

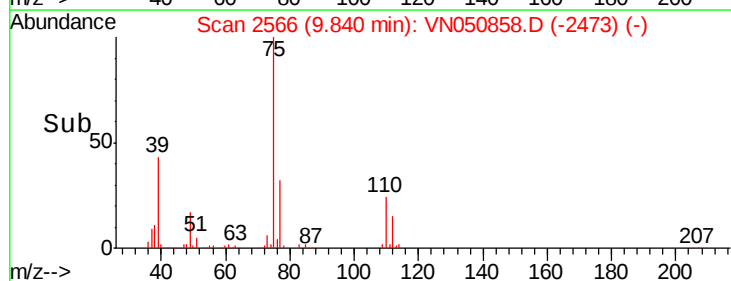
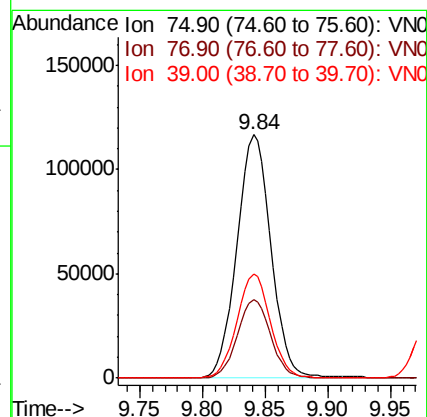
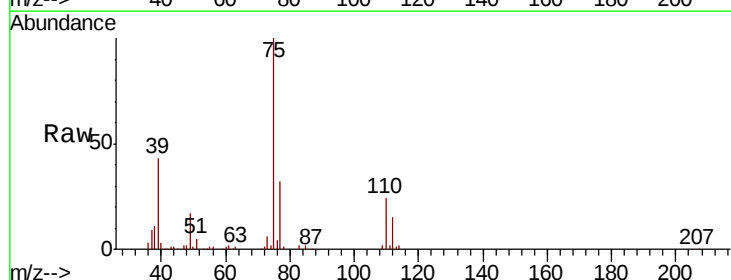
Tgt Ion: 75 Resp: 220591

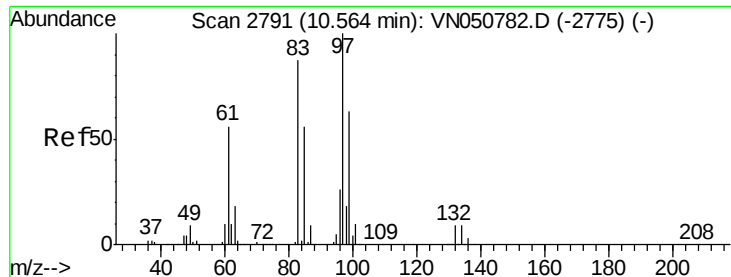
Ion Ratio Lower Upper

75 100

77 32.2 25.4 38.2

39 42.8 33.0 49.4

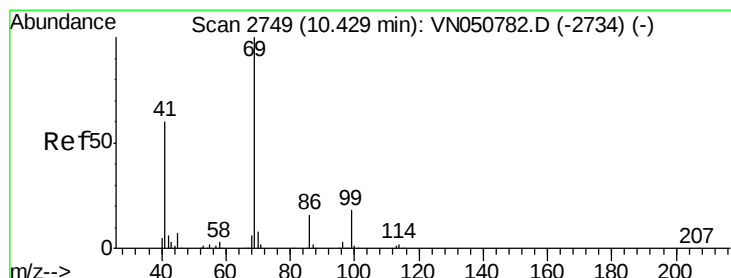
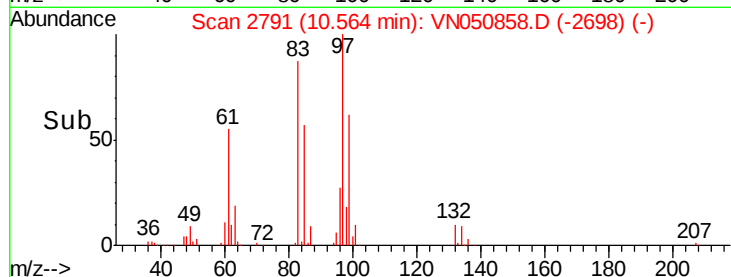
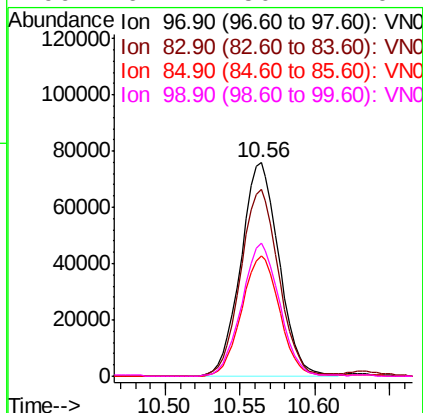
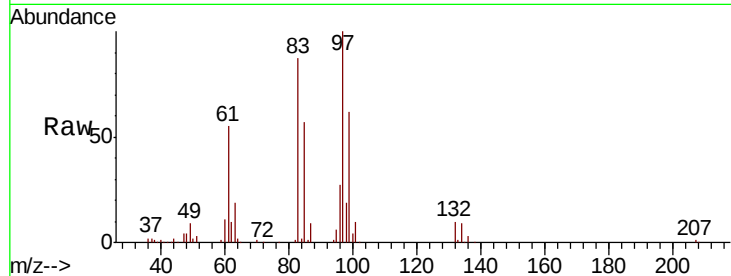




#55
 1,1,2-Trichloroethane
 Concen: 19.73 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. -0.00 min
 Lab File: VN050858.D
 Acq: 23 Aug 2018 17:25

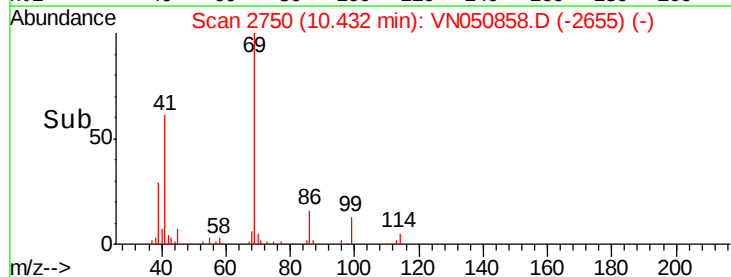
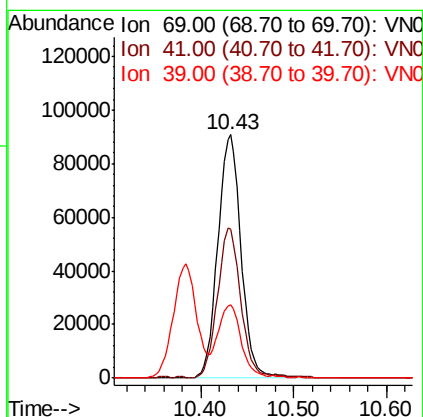
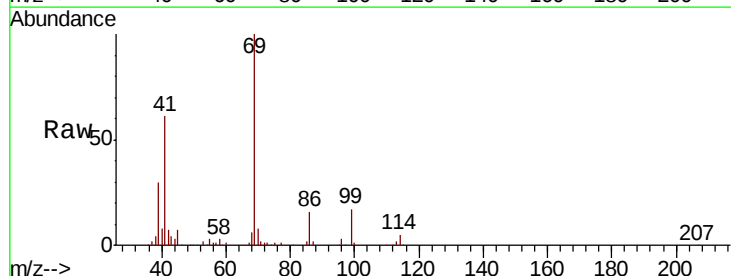
Instrument :
 MSVOA_N
 ClientSampled :

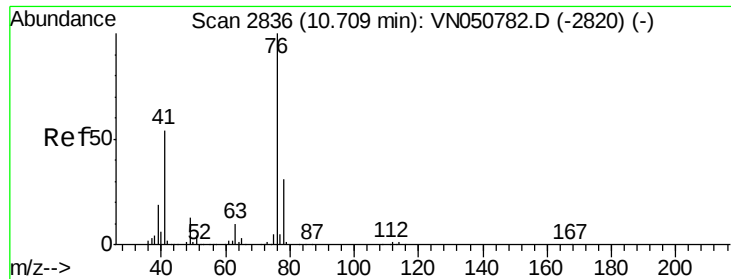
Tot Ion:	97	Resp:	134924
Ion	Ratio	Lower	Upper
97	100		
83	87.3	69.7	104.5
85	56.6	44.5	66.7
99	62.4	50.7	76.1



#56
 Ethyl methacrylate
 Concen: 19.32 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN050858.D
 Acq: 23 Aug 2018 17:25

Tgt Ion:	69	Resp:	158479
Ion	Ratio	Lower	Upper
69	100		
41	61.0	48.3	72.5
39	30.0	24.0	36.0





#57

1,3-Dichloropropane

Concen: 19.85 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. -0.00 min

Lab File: VN050858.D

Acq: 23 Aug 2018 17:25

Instrument :

MSVOA_N

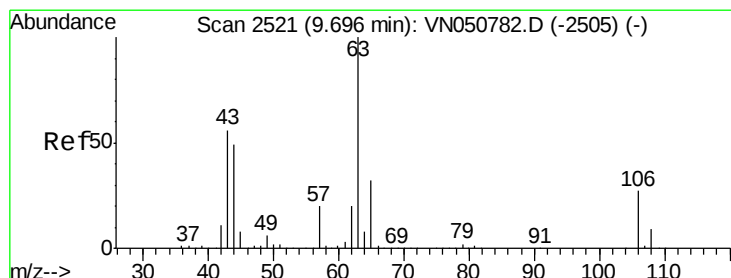
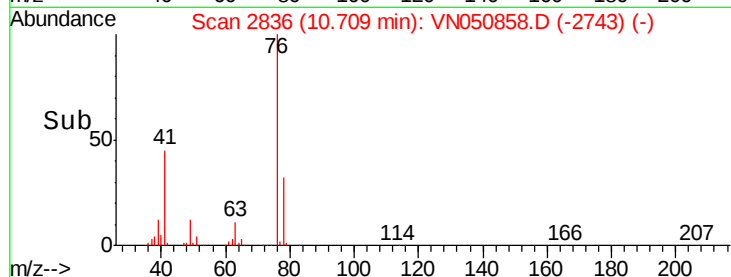
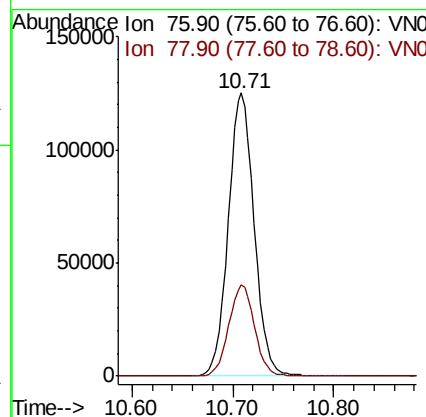
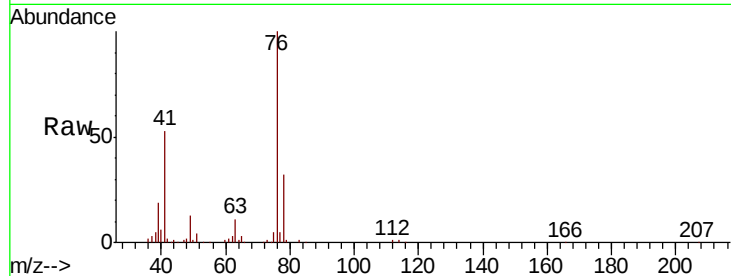
ClientSampled :

Tot Ion: 76 Resp: 224096

Ion Ratio Lower Upper

76 100

78 32.4 25.5 38.3



#58

2-Chloroethyl Vinyl ether

Concen: 98.10 ug/l

RT: 9.70 min Scan# 2521

Delta R.T. 0.00 min

Lab File: VN050858.D

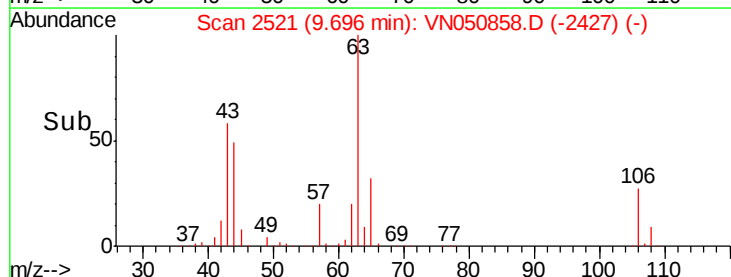
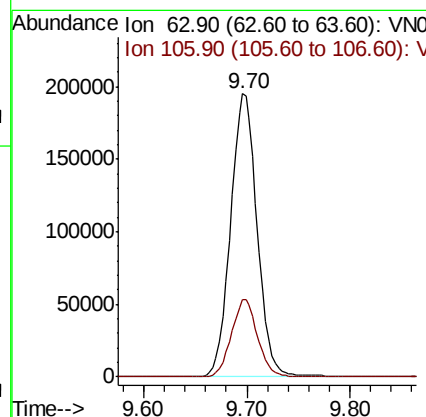
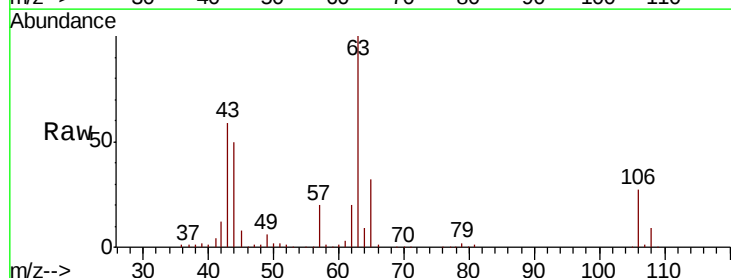
Acq: 23 Aug 2018 17:25

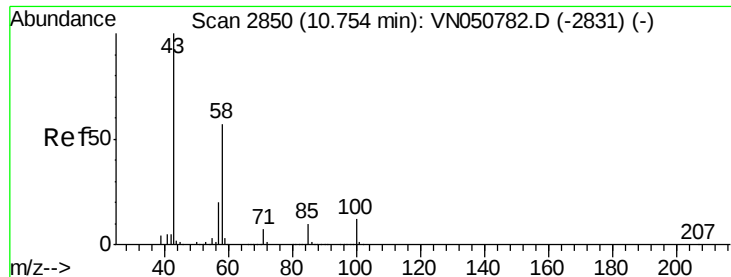
Tgt Ion: 63 Resp: 350543

Ion Ratio Lower Upper

63 100

106 27.1 21.9 32.9

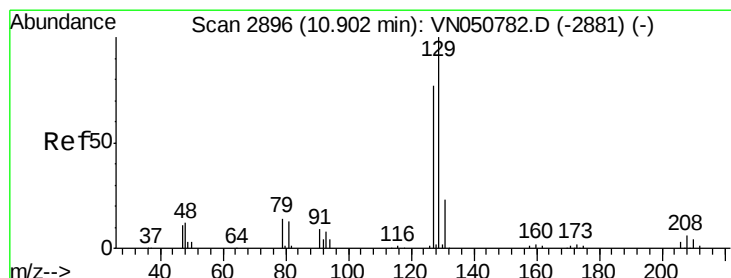
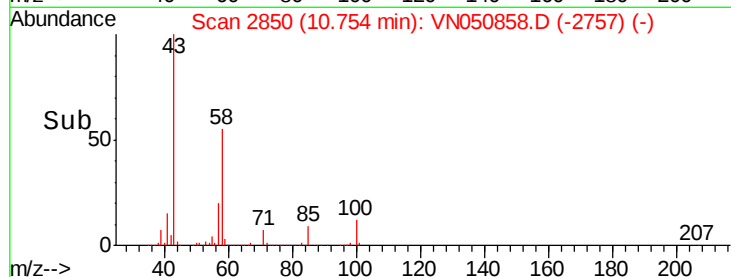
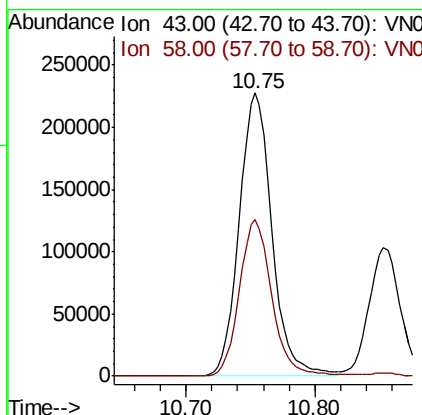
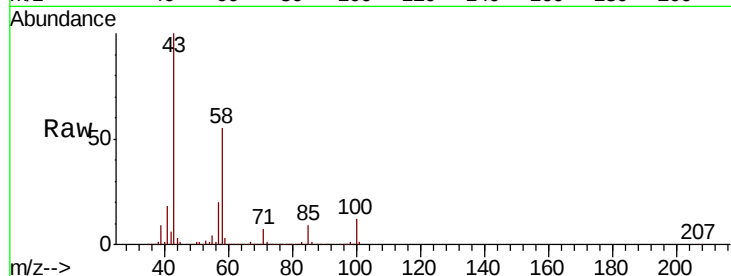




#59
2-Hexanone
Concen: 98.75 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. -0.00 min
Lab File: VN050858.D
Acq: 23 Aug 2018 17:25

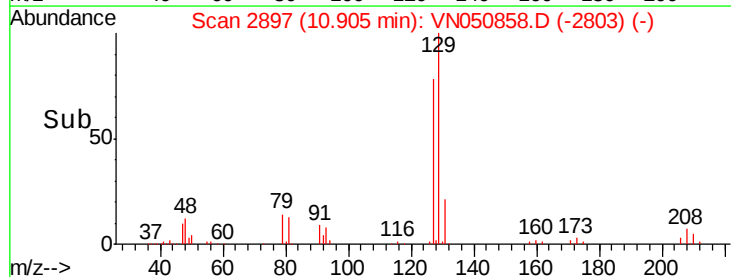
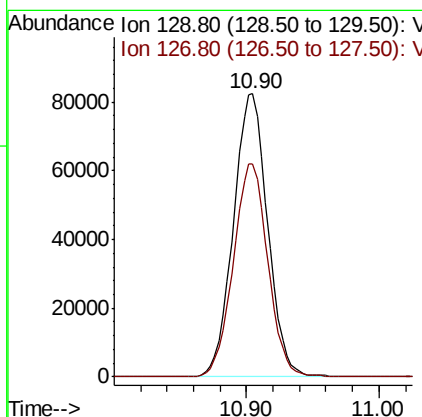
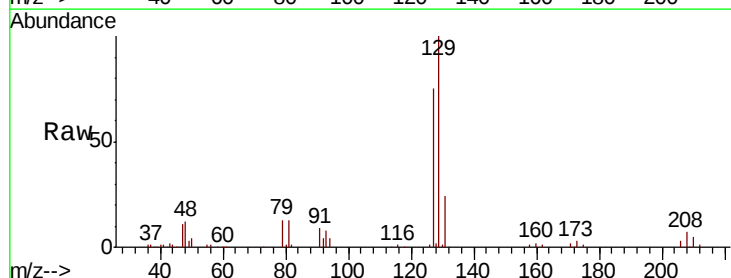
Instrument :
MSVOA_N
ClientSampled :

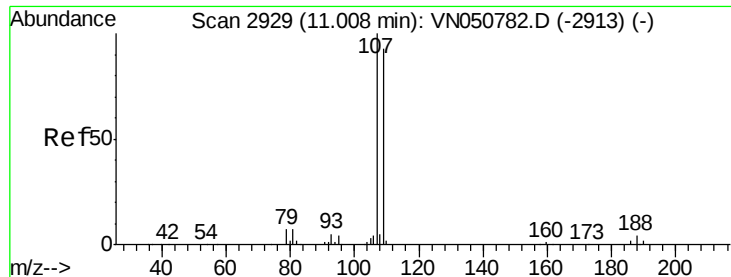
Tot Ion: 43 Resp: 399720
Ion Ratio Lower Upper
43 100
58 55.1 28.3 85.0



#60
Dibromochloromethane
Concen: 19.30 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VN050858.D
Acq: 23 Aug 2018 17:25

Tgt Ion: 129 Resp: 147782
Ion Ratio Lower Upper
129 100
127 76.0 38.3 114.9





#61

1,2-Dibromoethane

Concen: 19.89 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. -0.00 min

Lab File: VN050858.D

Acq: 23 Aug 2018 17:25

Instrument :

MSVOA_N

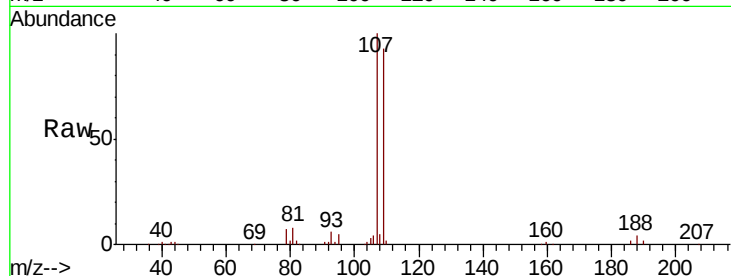
ClientSampleId :

Tot Ion:107 Resp: 131562

Ion Ratio Lower Upper

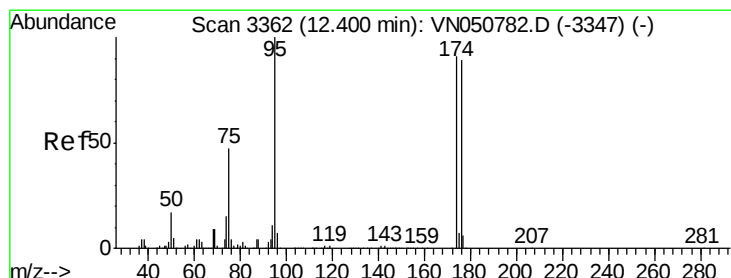
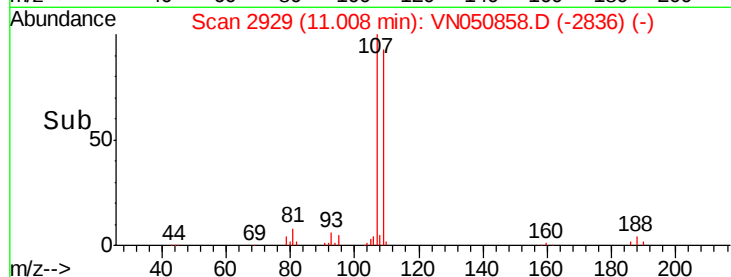
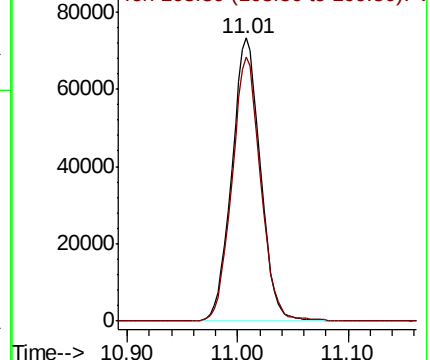
107 100

109 93.5 75.4 113.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 47.95 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050858.D

Acq: 23 Aug 2018 17:25

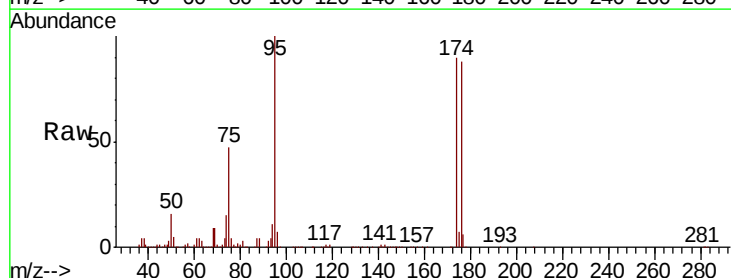
Tgt Ion: 95 Resp: 414284

Ion Ratio Lower Upper

95 100

174 89.1 0.0 183.0

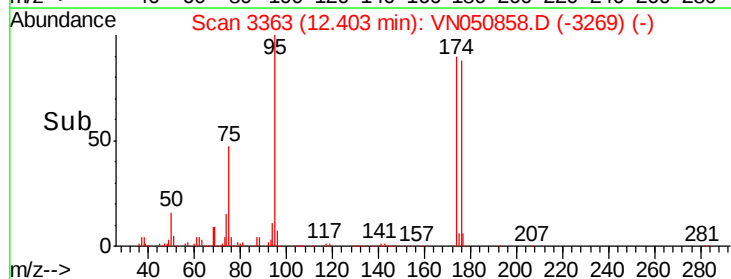
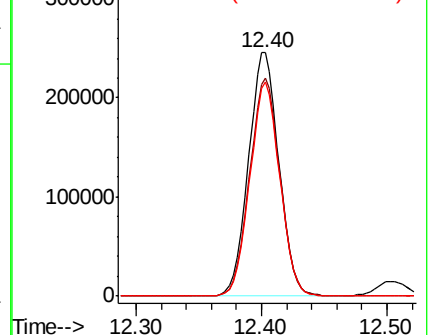
176 86.7 0.0 178.8

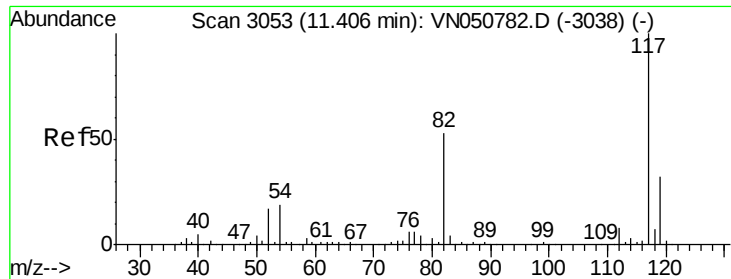


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

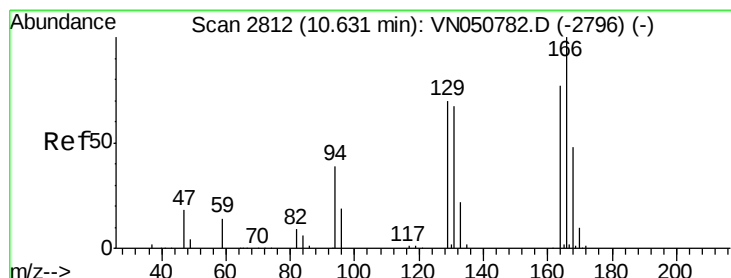
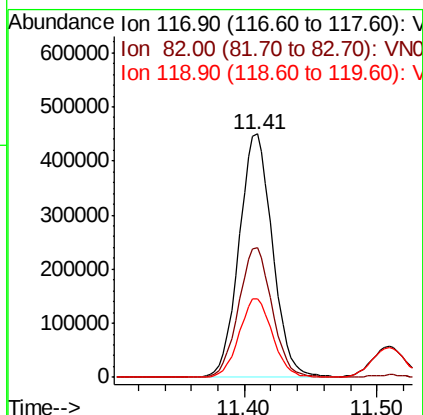
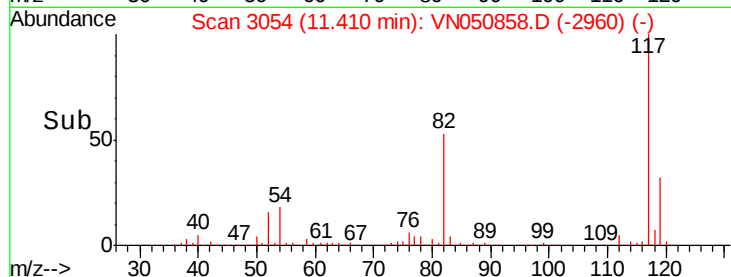
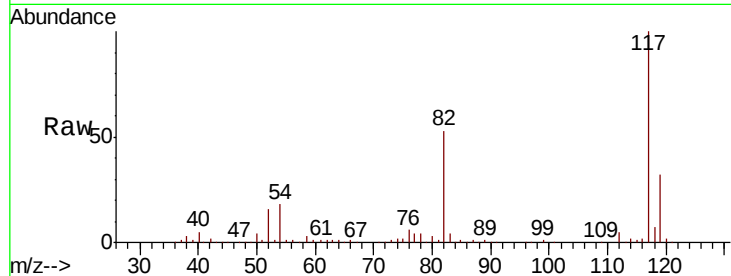




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050858.D
Acq: 23 Aug 2018 17:25

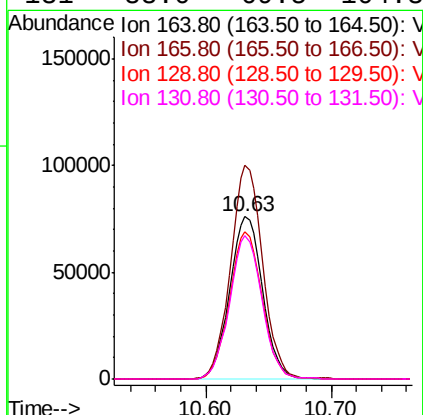
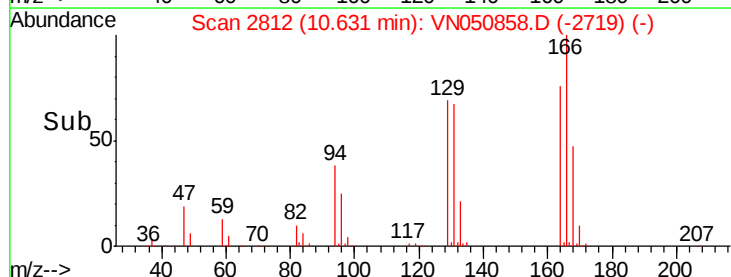
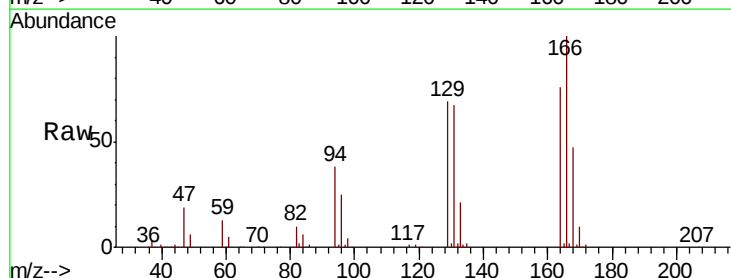
Instrument :
MSVOA_N
ClientSampleId :

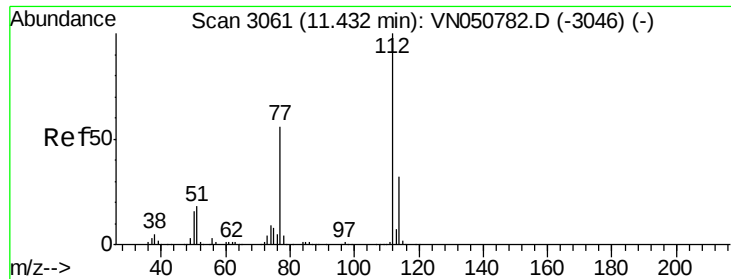
Tot Ion:117 Resp: 787232
Ion Ratio Lower Upper
117 100
82 53.0 42.6 64.0
119 32.4 25.8 38.6



#64
Tetrachloroethene
Concen: 18.54 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. -0.00 min
Lab File: VN050858.D
Acq: 23 Aug 2018 17:25

Tgt Ion:164 Resp: 138615
Ion Ratio Lower Upper
164 100
166 131.6 103.5 155.3
129 90.6 72.7 109.1
131 88.0 69.5 104.3

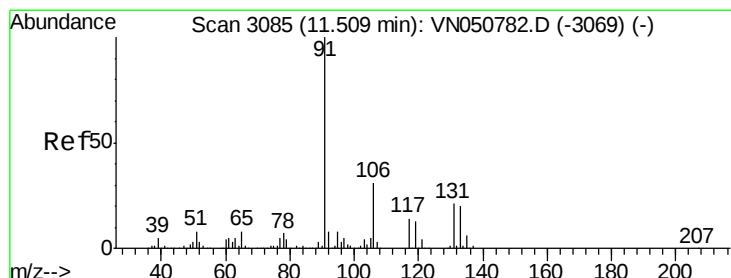
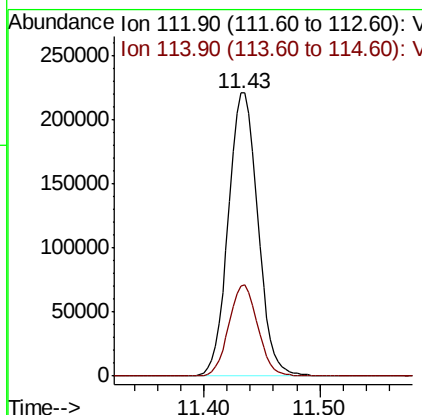
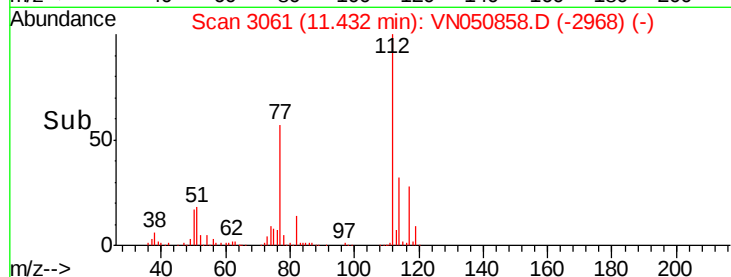
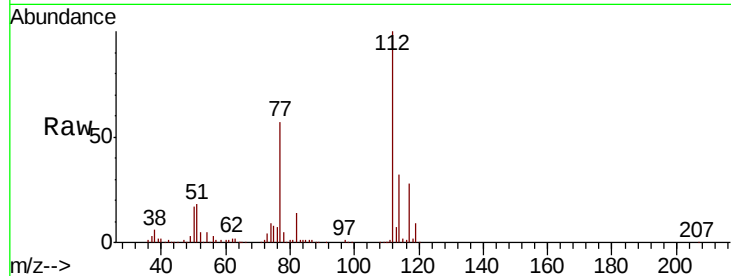




#65
Chlorobenzene
Concen: 19.00 ug/l
RT: 11.43 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN050858.D
Acq: 23 Aug 2018 17:25

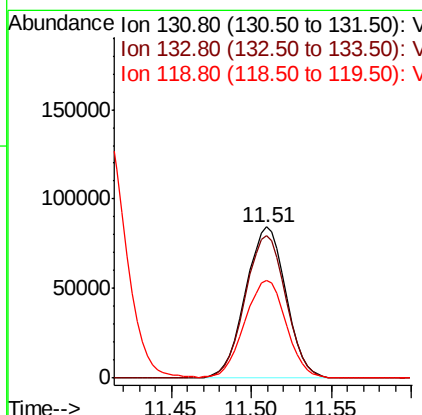
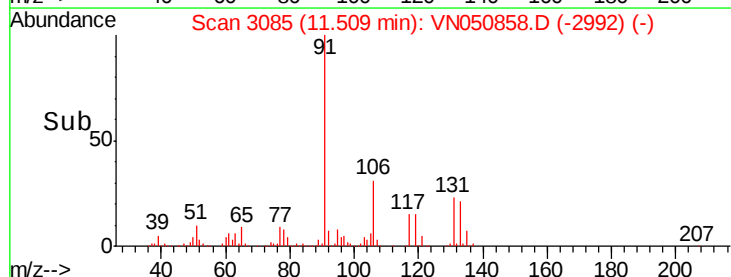
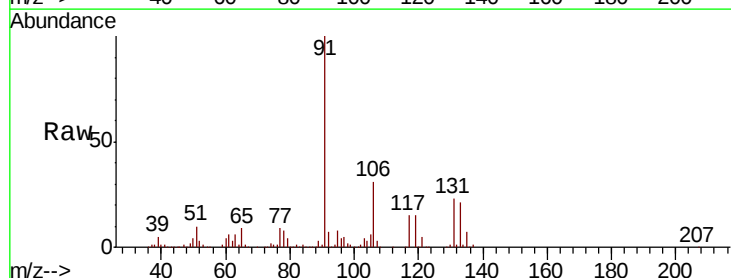
Instrument :
MSVOA_N
ClientSampled :

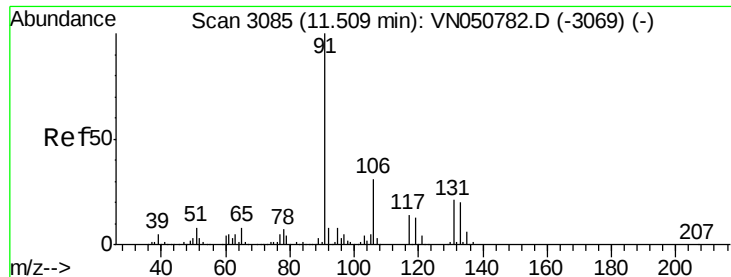
Tot Ion:112 Resp: 391051
Ion Ratio Lower Upper
112 100
114 31.9 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 19.47 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. -0.00 min
Lab File: VN050858.D
Acq: 23 Aug 2018 17:25

Tgt Ion:131 Resp: 146574
Ion Ratio Lower Upper
131 100
133 95.4 47.4 142.3
119 66.2 32.8 98.4





#67

Ethyl Benzene

Concen: 19.16 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN050858.D

Acq: 23 Aug 2018 17:25

Instrument :

MSVOA_N

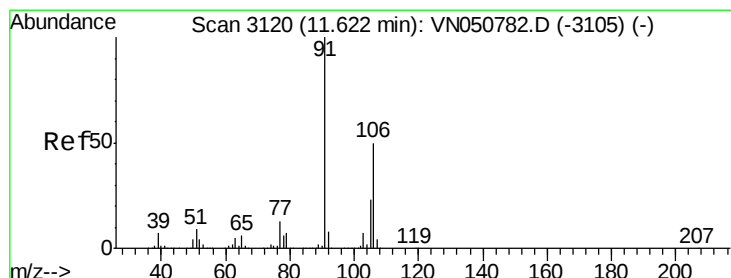
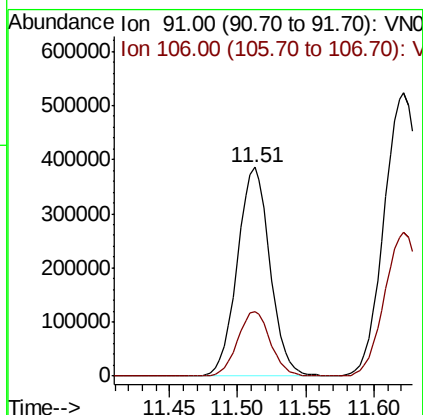
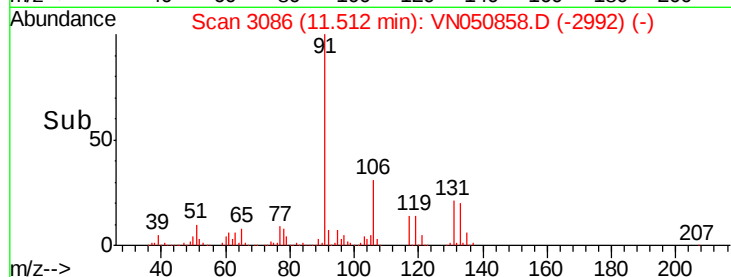
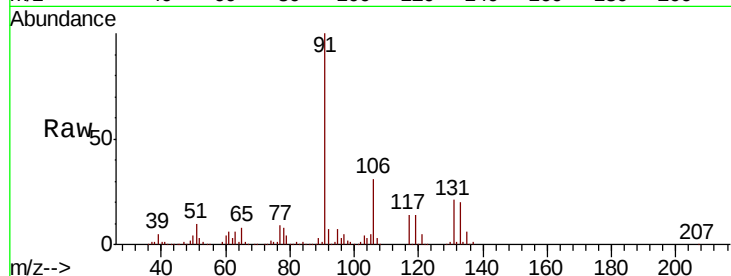
ClientSampled :

Tot Ion: 91 Resp: 641004

Ion Ratio Lower Upper

91 100

106 31.2 25.0 37.4



#68

m/p-Xylenes

Concen: 40.05 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. 0.00 min

Lab File: VN050858.D

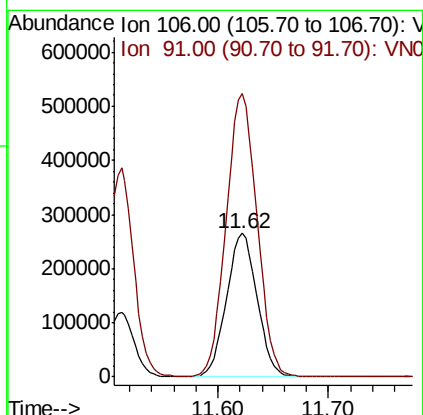
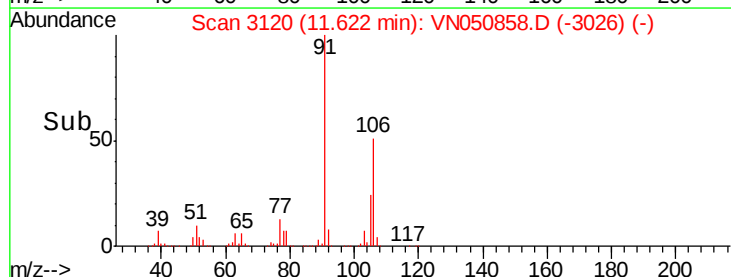
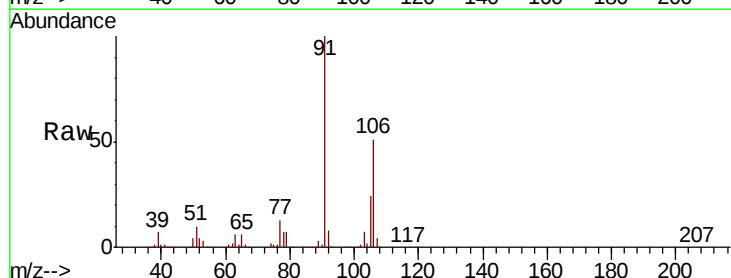
Acq: 23 Aug 2018 17:25

Tgt Ion: 106 Resp: 508576

Ion Ratio Lower Upper

106 100

91 199.5 161.0 241.6

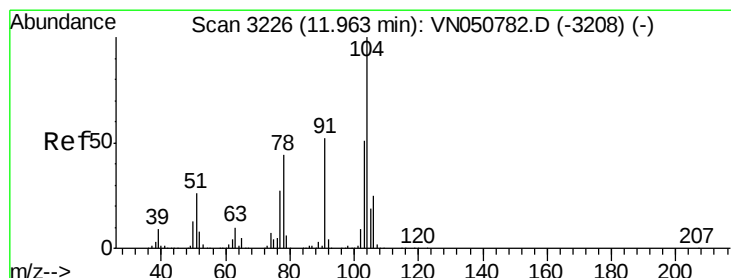
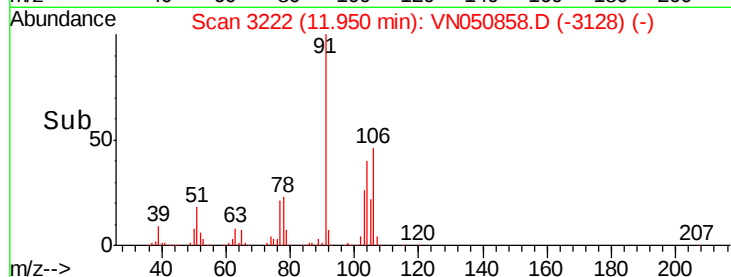
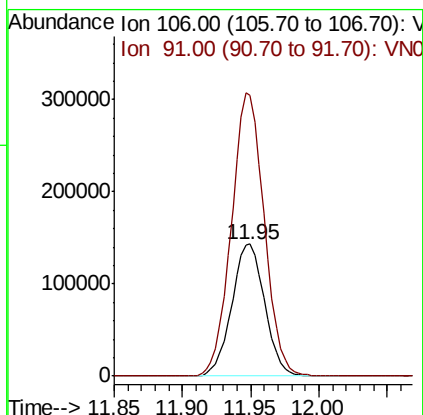
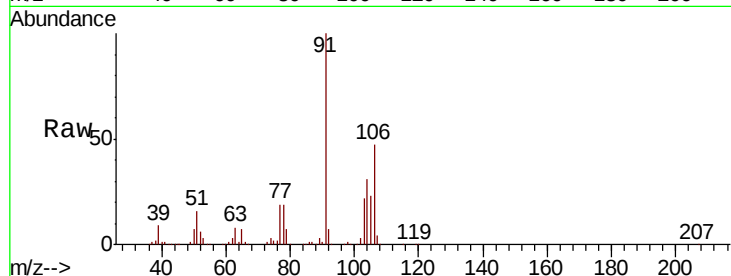




#69
o-Xylene
Concen: 19.67 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN050858.D
Acq: 23 Aug 2018 17:25

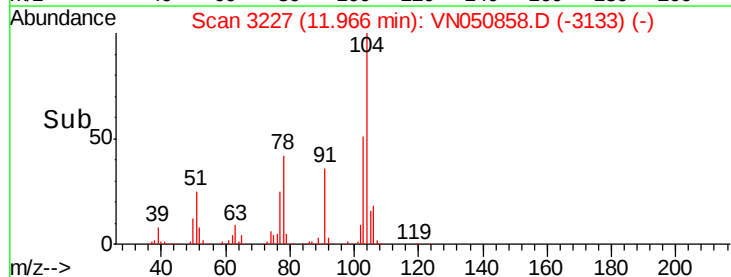
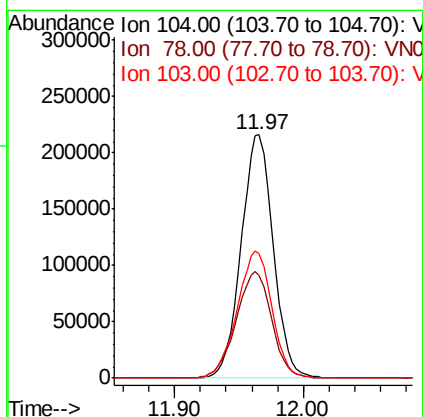
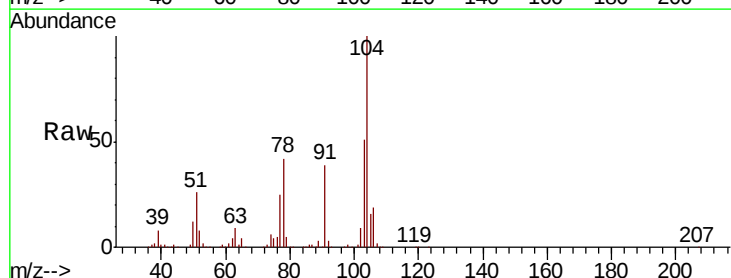
Instrument :
MSVOA_N
ClientSampled :

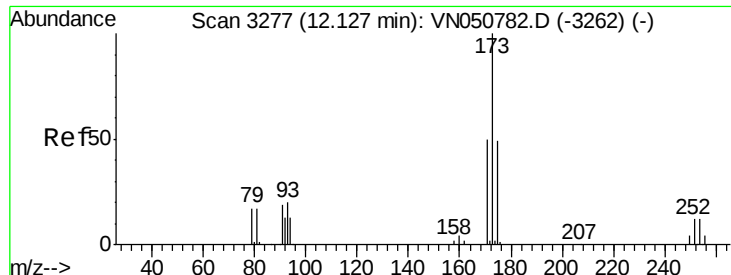
Tot Ion:106 Resp: 240138
Ion Ratio Lower Upper
106 100
91 213.1 106.5 319.5



#70
Styrene
Concen: 18.26 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN050858.D
Acq: 23 Aug 2018 17:25

Tgt Ion:104 Resp: 375038
Ion Ratio Lower Upper
104 100
78 48.3 38.2 57.4
103 56.6 44.4 66.6

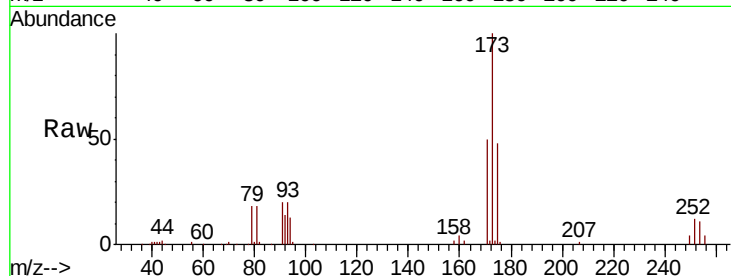




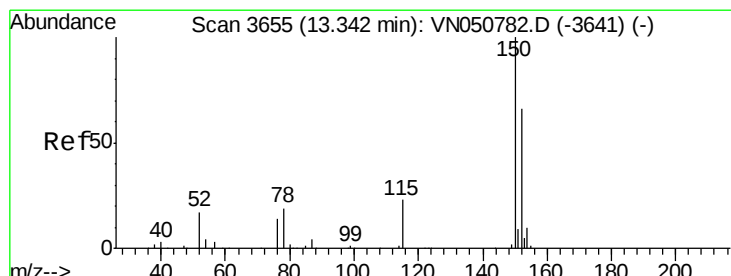
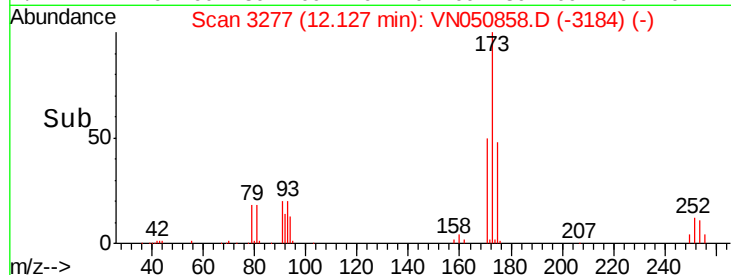
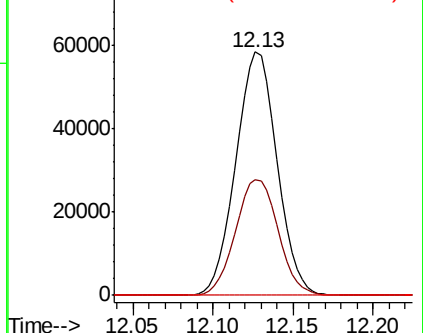
#71
Bromoform
Concen: 19.78 ug/l
RT: 12.13 min Scan# 3277
Delta R.T. -0.00 min
Lab File: VN050858.D
Acq: 23 Aug 2018 17:25

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:173 Resp: 102409
Ion Ratio Lower Upper
173 100
175 49.0 24.4 73.4
254 0.0 0.1 0.1#

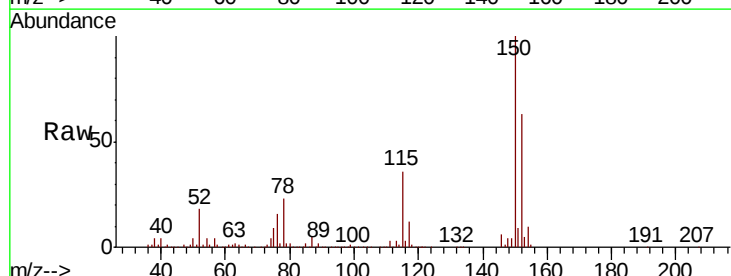


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

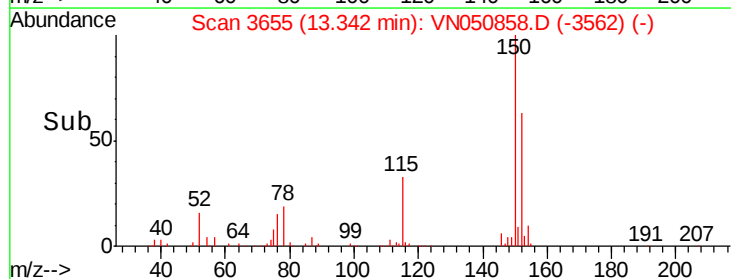
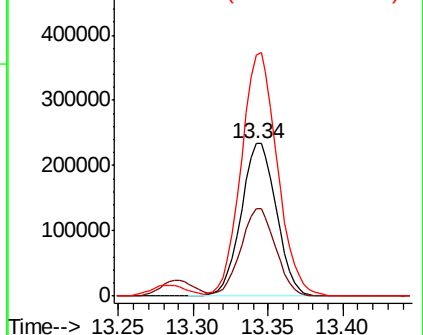


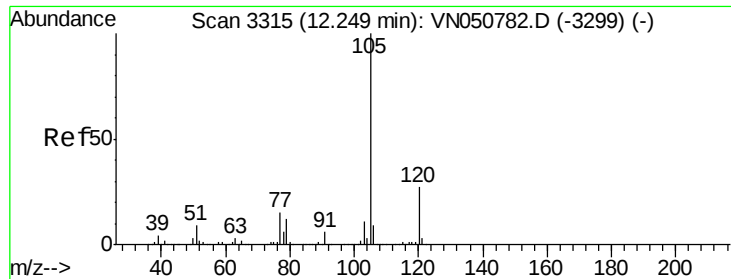
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.34 min Scan# 3655
Delta R.T. -0.00 min
Lab File: VN050858.D
Acq: 23 Aug 2018 17:25

Tgt Ion:152 Resp: 383448
Ion Ratio Lower Upper
152 100
115 56.8 27.8 83.4
150 163.9 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: 20.00 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. -0.00 min

Lab File: VN050858.D

Acq: 23 Aug 2018 17:25

Instrument :

MSVOA_N

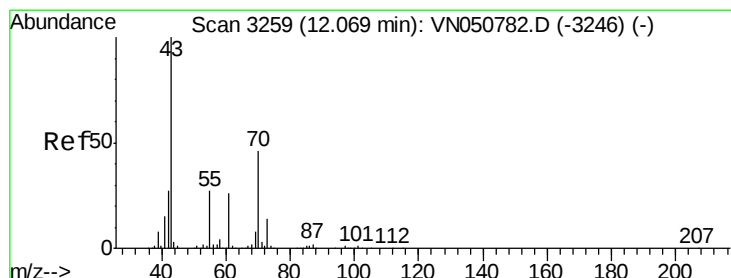
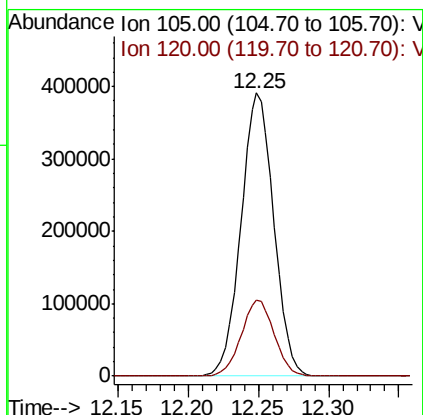
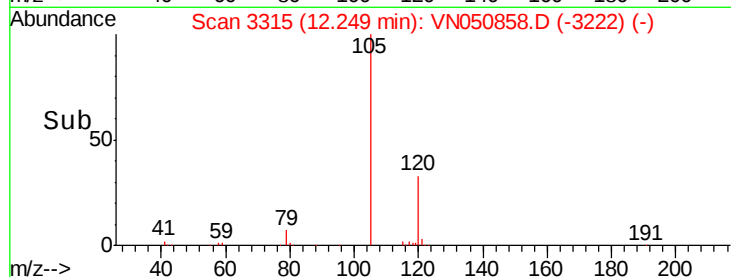
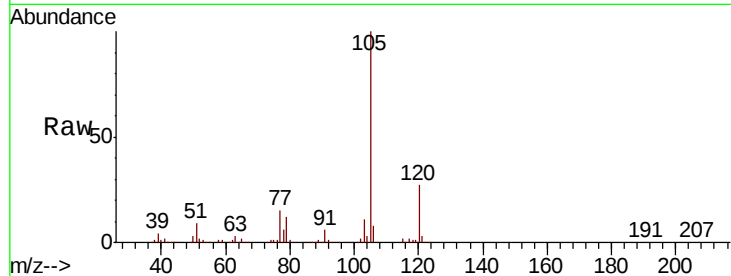
ClientSampleId :

Tot Ion:105 Resp: 634993

Ion Ratio Lower Upper

105 100

120 27.0 13.5 40.4



#74

N-ethyl acetate

Concen: 20.85 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN050858.D

Acq: 23 Aug 2018 17:25

Tgt Ion: 43 Resp: 166366

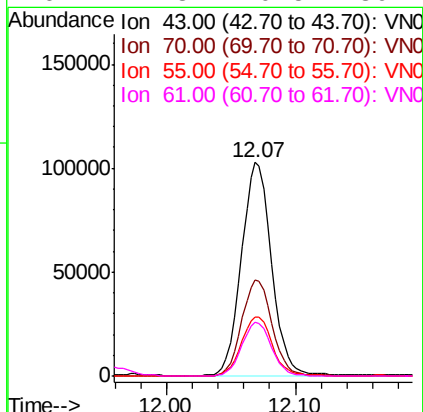
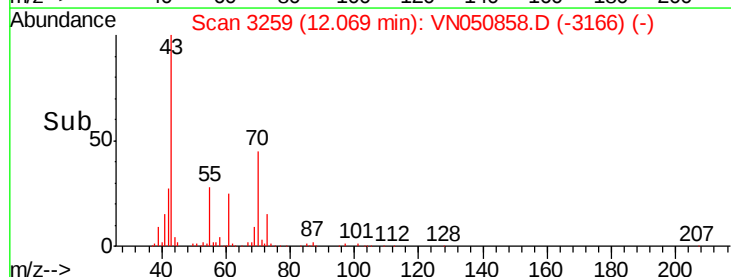
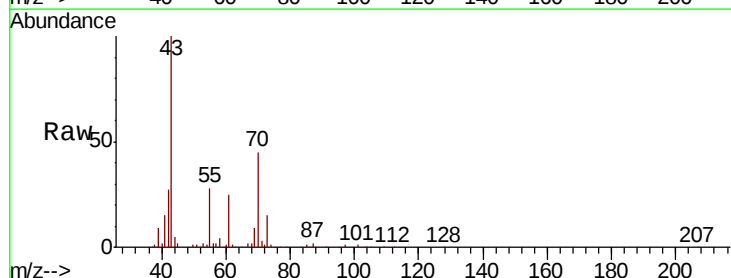
Ion Ratio Lower Upper

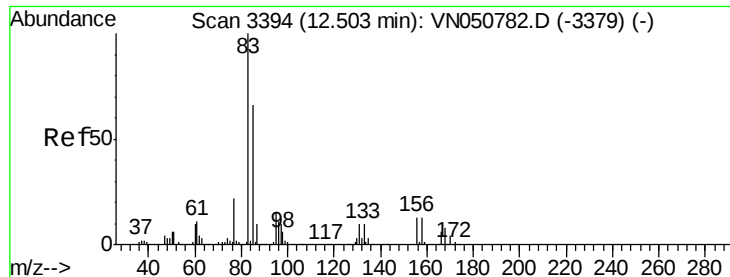
43 100

70 45.7 36.2 54.2

55 28.8 21.8 32.8

61 24.8 20.5 30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 21.74 ug/l

RT: 12.50 min Scan# 3394

Delta R.T. 0.00 min

Lab File: VN050858.D

Acq: 23 Aug 2018 17:25

Instrument :

MSVOA_N

ClientSampled :

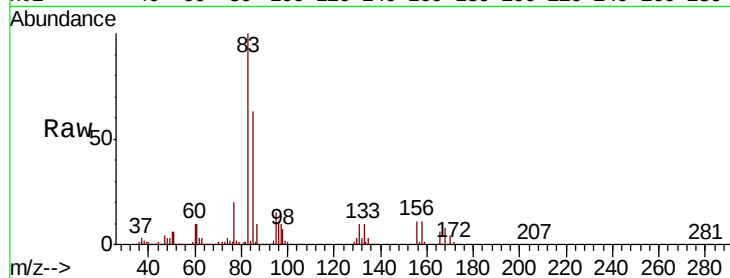
Tot Ion: 83 Resp: 171540

Ion Ratio Lower Upper

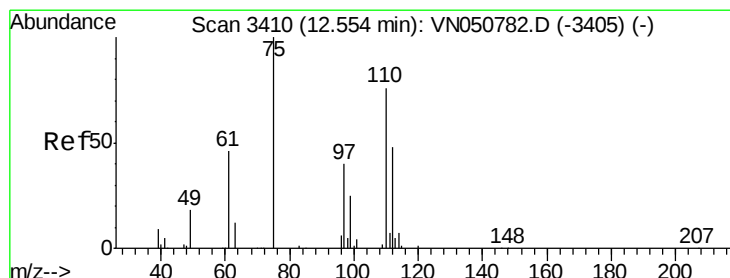
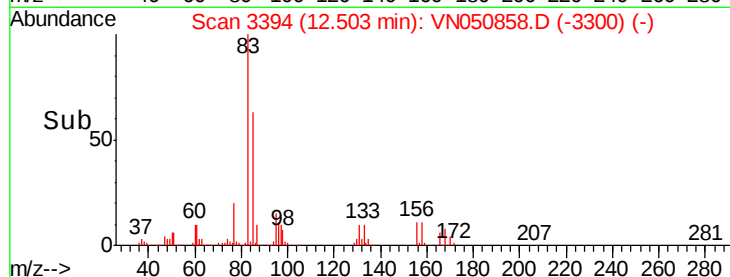
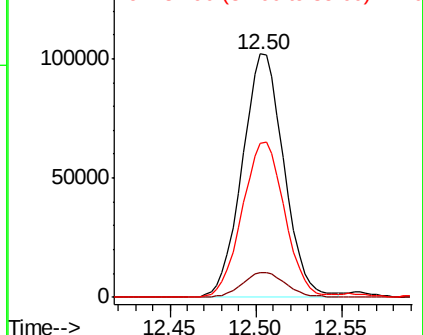
83 100

131 10.6 5.3 15.9

85 64.6 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: 29.35 ug/l

RT: 12.55 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN050858.D

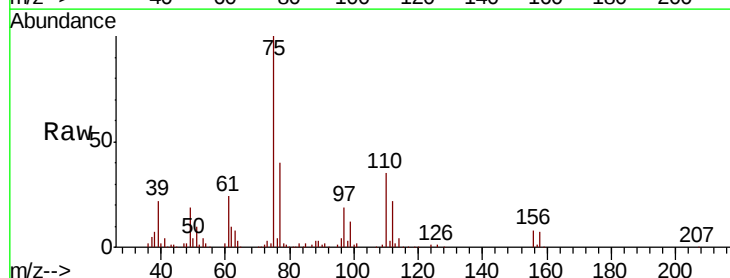
Acq: 23 Aug 2018 17:25

Tgt Ion: 75 Resp: 197141

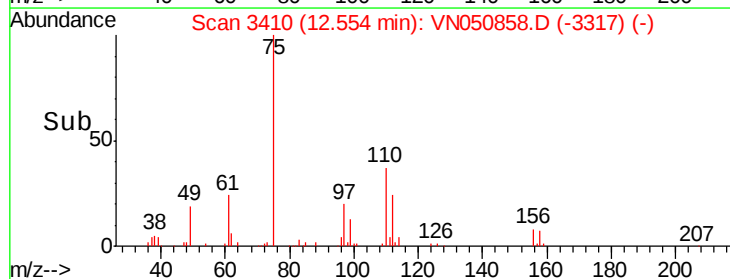
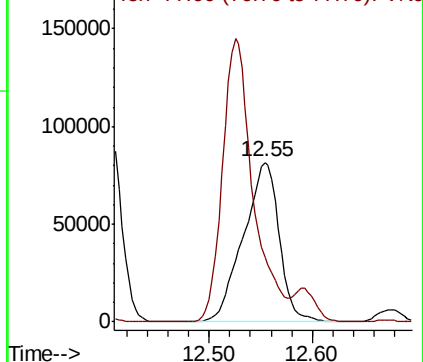
Ion Ratio Lower Upper

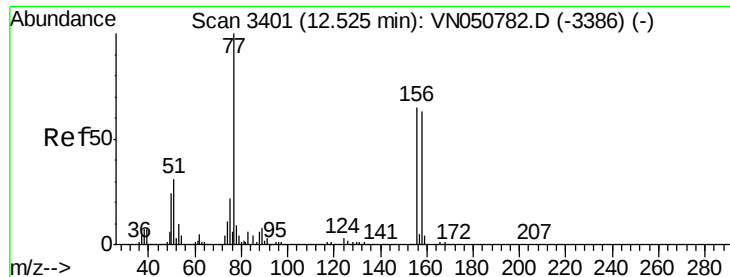
75 100

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: 19.12 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN050858.D

Acq: 23 Aug 2018 17:25

Instrument :

MSVOA_N

ClientSampleId :

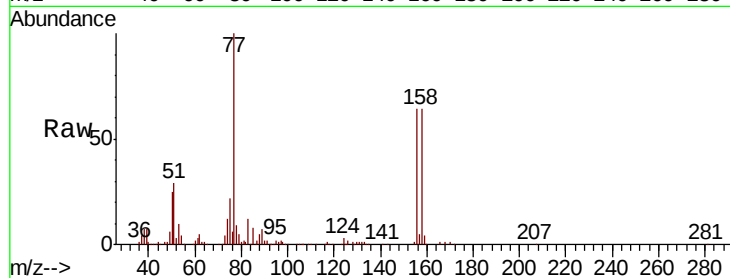
Tot Ion:156 Resp: 164951

Ion Ratio Lower Upper

156 100

77 181.9 89.9 269.7

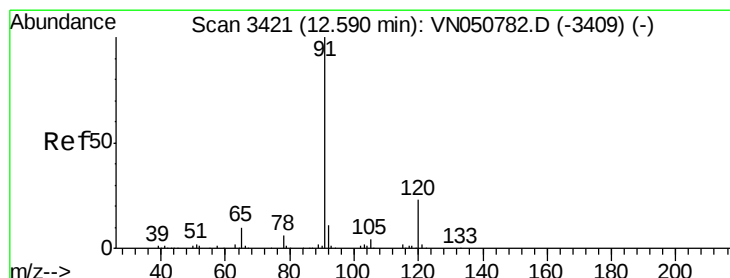
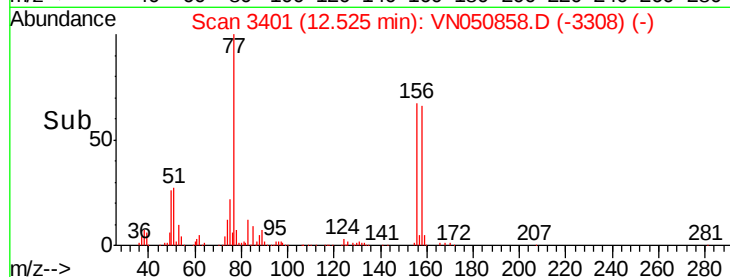
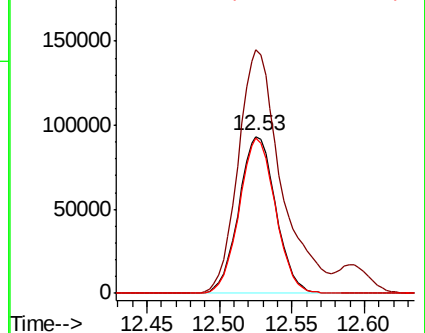
158 96.9 49.3 147.9



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.00 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN050858.D

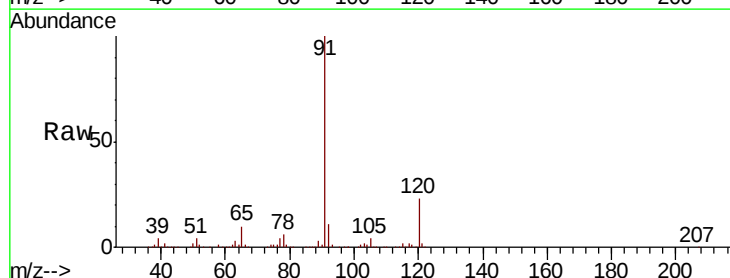
Acq: 23 Aug 2018 17:25

Tgt Ion: 91 Resp: 709412

Ion Ratio Lower Upper

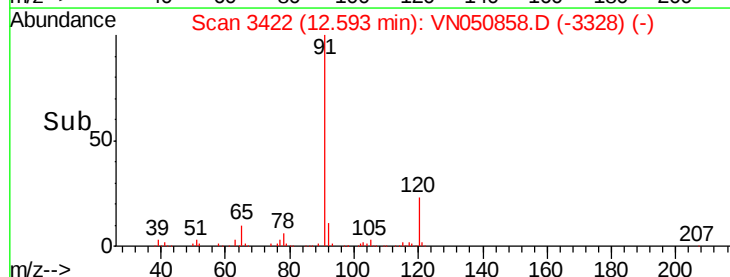
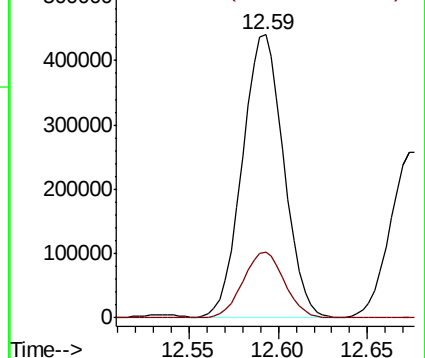
91 100

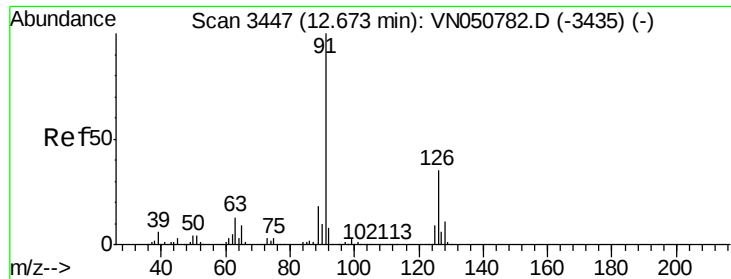
120 23.4 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.71 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN050858.D

Acq: 23 Aug 2018 17:25

Instrument :

MSVOA_N

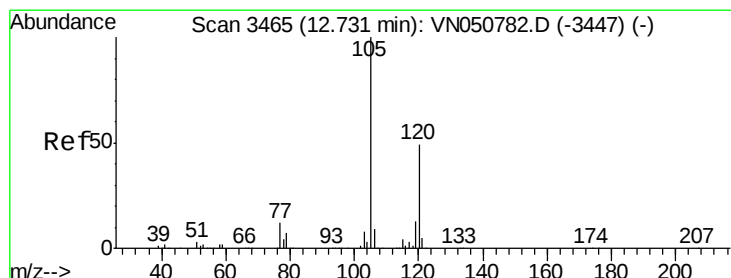
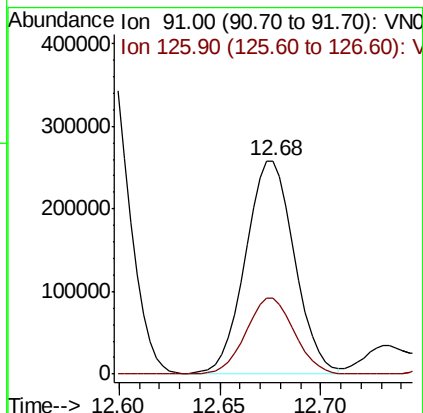
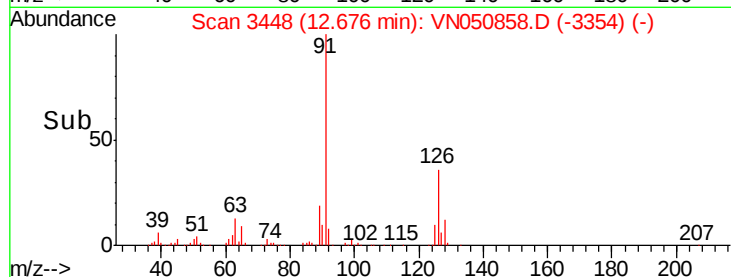
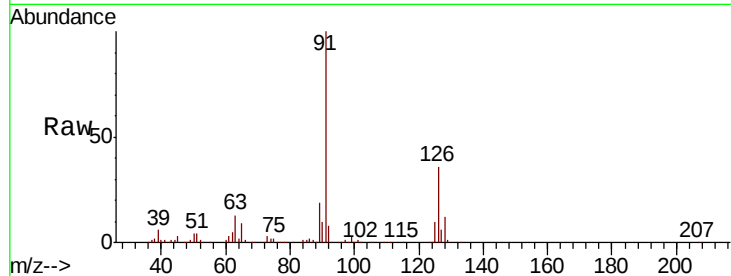
ClientSampleId :

Tot Ion: 91 Resp: 435441

Ion Ratio Lower Upper

91 100

126 35.6 17.8 53.3



#80

1,3,5-Trimethylbenzene

Concen: 20.56 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050858.D

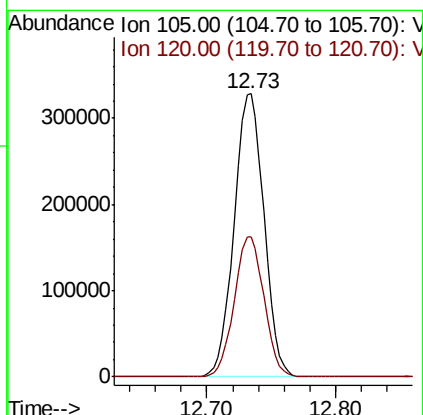
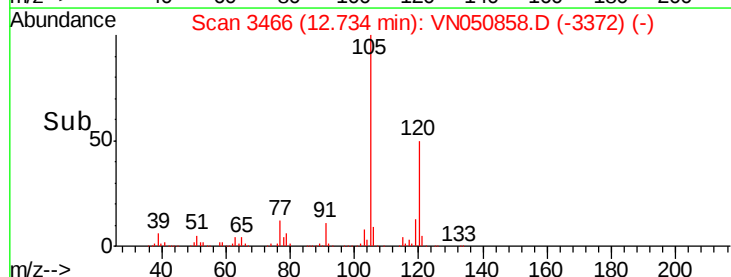
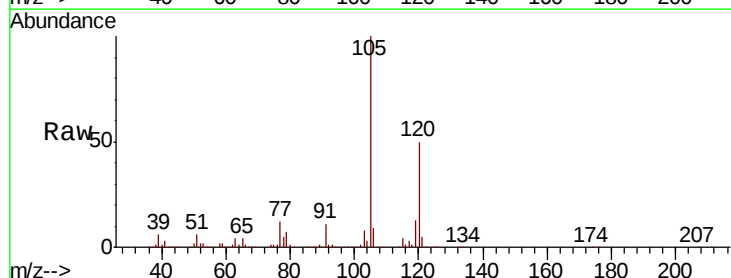
Acq: 23 Aug 2018 17:25

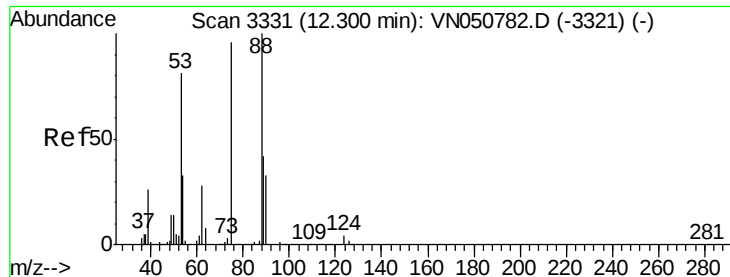
Tgt Ion:105 Resp: 526629

Ion Ratio Lower Upper

105 100

120 49.4 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 21.16 ug/l

RT: 12.30 min Scan# 3331

Delta R.T. 0.00 min

Lab File: VN050858.D

Acq: 23 Aug 2018 17:25

Instrument :

MSVOA_N

ClientSampleId :

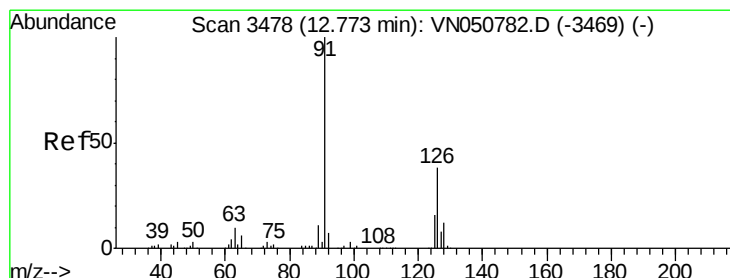
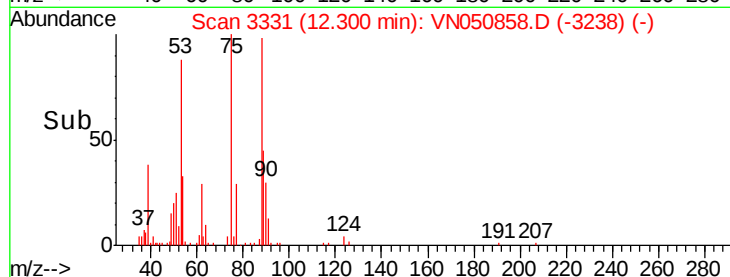
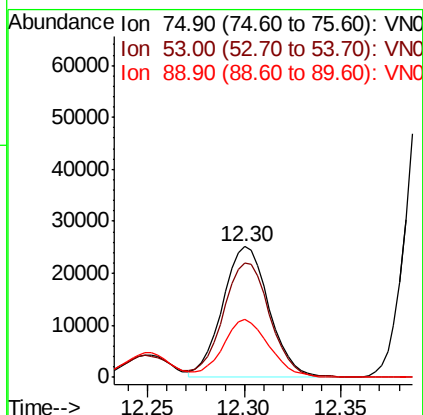
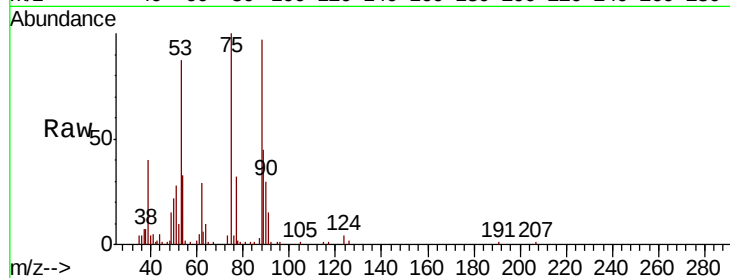
Tot Ion: 75 Resp: 42029

Ion Ratio Lower Upper

75 100

53 88.3 68.9 103.3

89 44.0 36.1 54.1



#82

4-Chlorotoluene

Concen: 19.86 ug/l

RT: 12.77 min Scan# 3478

Delta R.T. -0.00 min

Lab File: VN050858.D

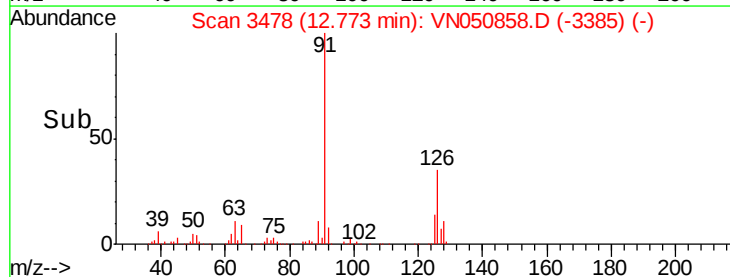
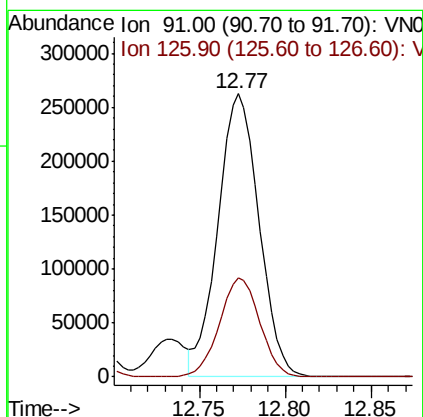
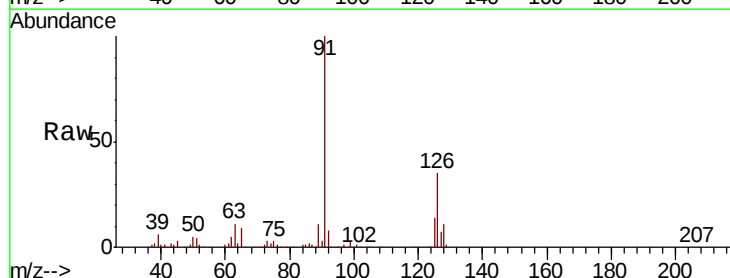
Acq: 23 Aug 2018 17:25

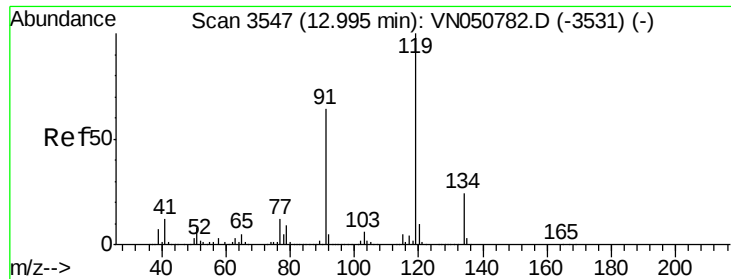
Tgt Ion: 91 Resp: 433247

Ion Ratio Lower Upper

91 100

126 34.5 17.5 52.5

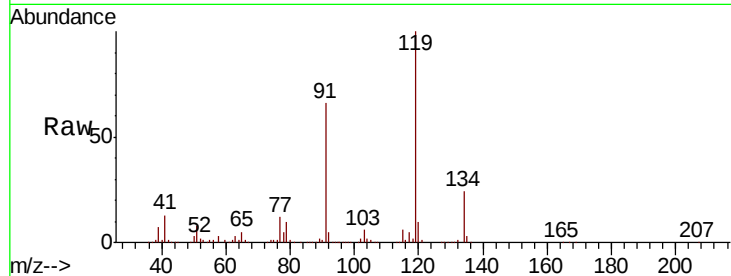




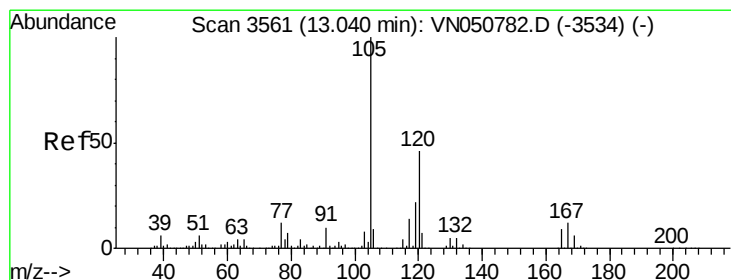
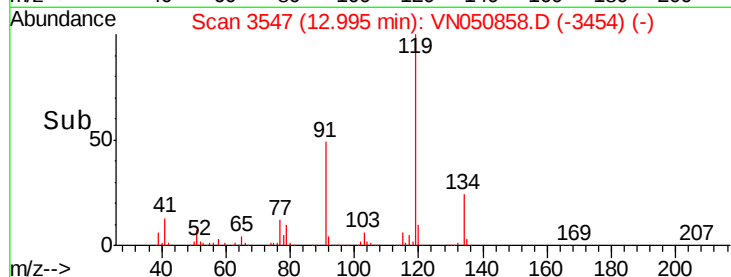
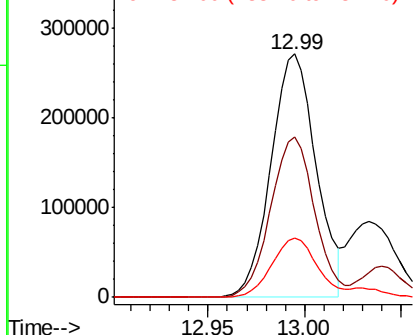
#83
 tert-Butylbenzene
 Concen: 19.77 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN050858.D
 Acq: 23 Aug 2018 17:25

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:119 Resp: 438723
 Ion Ratio Lower Upper
 119 100
 91 64.2 31.6 94.7
 134 24.9 13.4 40.1

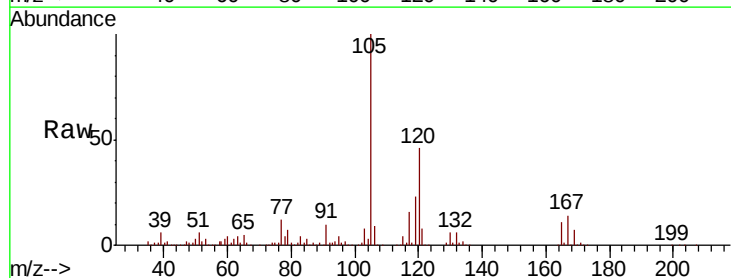


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

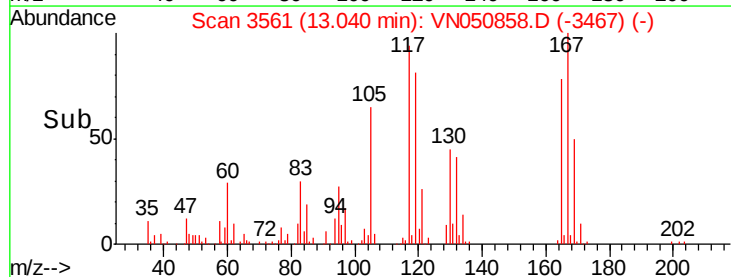
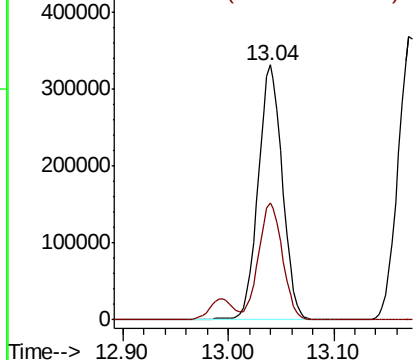


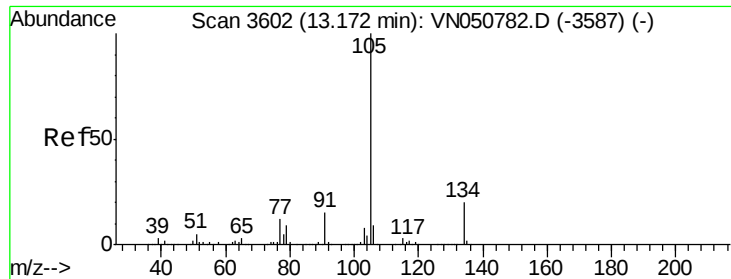
#84
 1,2,4-Trimethylbenzene
 Concen: 20.55 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. 0.00 min
 Lab File: VN050858.D
 Acq: 23 Aug 2018 17:25

Tgt Ion:105 Resp: 529591
 Ion Ratio Lower Upper
 105 100
 120 45.8 22.9 68.8



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





#85

sec-Butylbenzene

Concen: 20.19 ug/l

RT: 13.17 min Scan# 3602

Delta R.T. -0.00 min

Lab File: VN050858.D

Acq: 23 Aug 2018 17:25

Instrument :

MSVOA_N

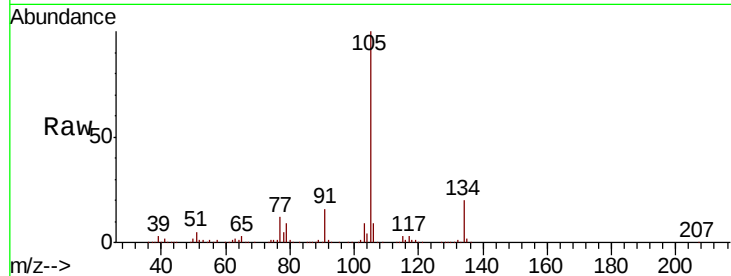
ClientSampleId :

Tot Ion:105 Resp: 586937

Ion Ratio Lower Upper

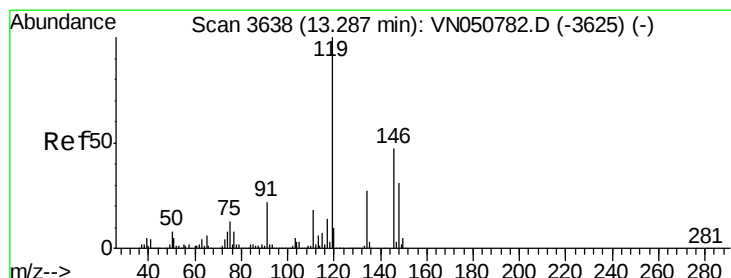
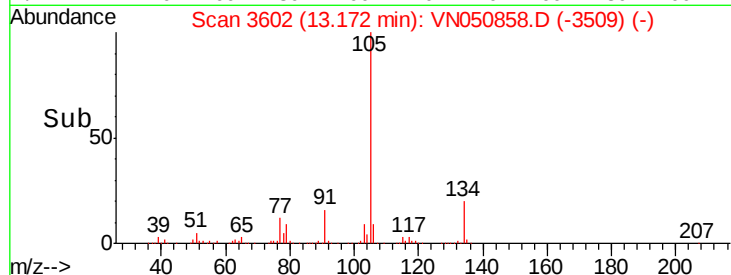
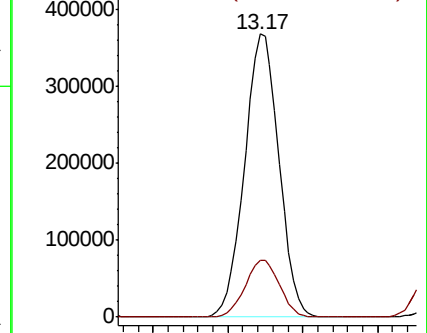
105 100

134 20.2 10.3 30.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.33 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050858.D

Acq: 23 Aug 2018 17:25

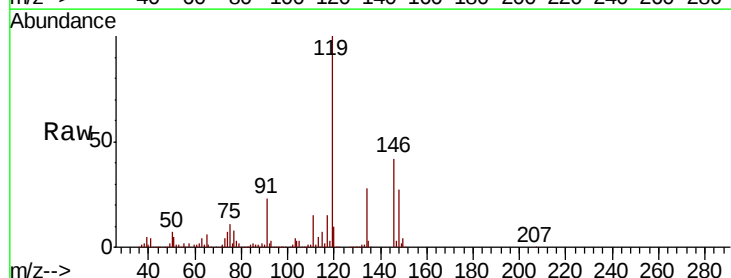
Tgt Ion:119 Resp: 503703

Ion Ratio Lower Upper

119 100

134 27.0 13.7 41.0

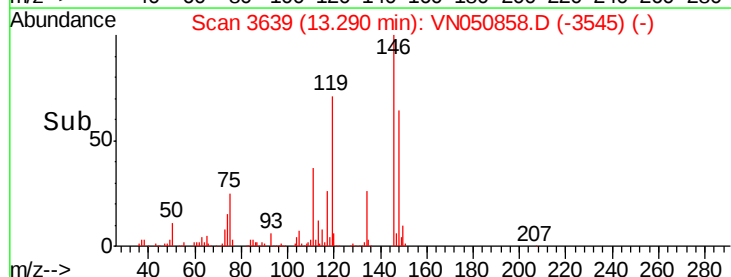
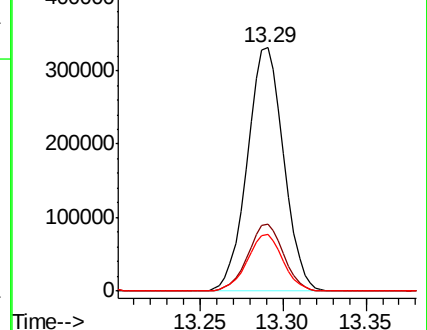
91 22.7 11.2 33.5



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 18.83 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. -0.00 min

Lab File: VN050858.D

Acq: 23 Aug 2018 17:25

Instrument :

MSVOA_N

ClientSampleId :

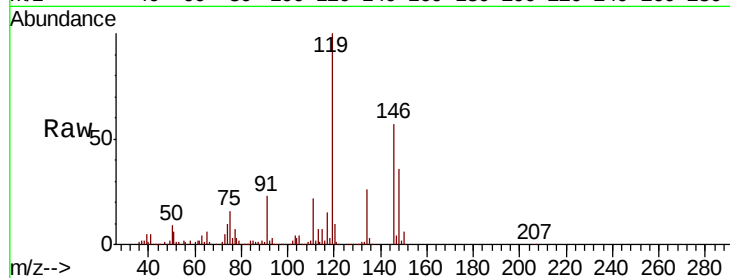
Tot Ion:146 Resp: 275761

Ion Ratio Lower Upper

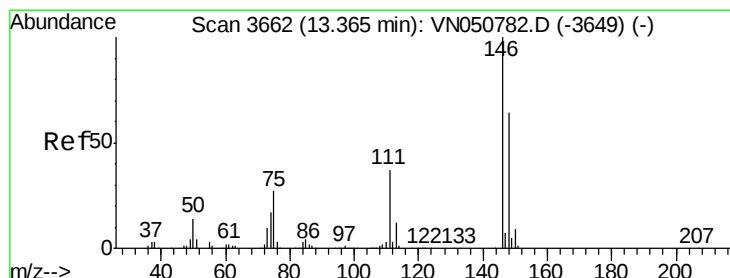
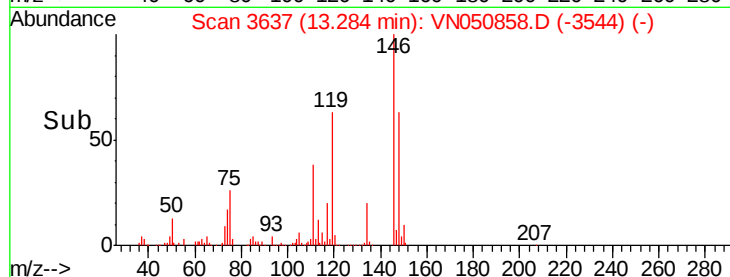
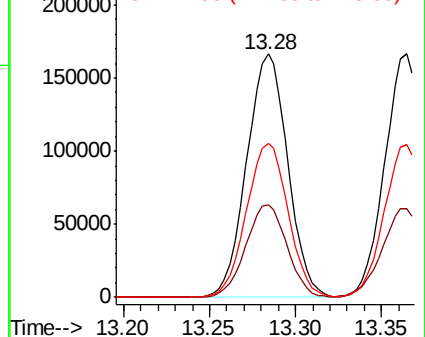
146 100

111 38.3 19.1 57.3

148 64.4 32.2 96.6



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



#88

1,4-Dichlorobenzene

Concen: 18.55 ug/l

RT: 13.36 min Scan# 3662

Delta R.T. -0.00 min

Lab File: VN050858.D

Acq: 23 Aug 2018 17:25

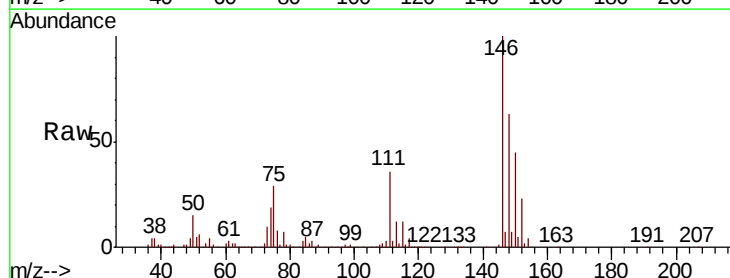
Tgt Ion:146 Resp: 267302

Ion Ratio Lower Upper

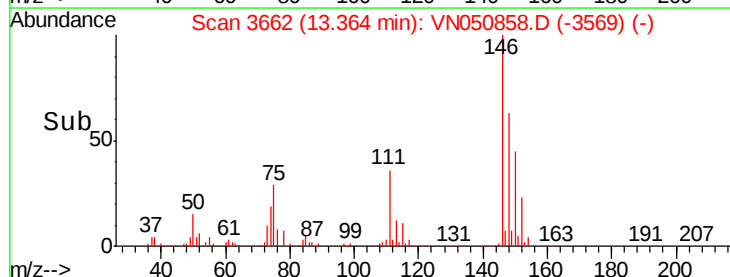
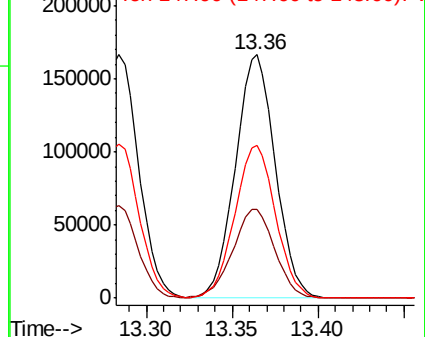
146 100

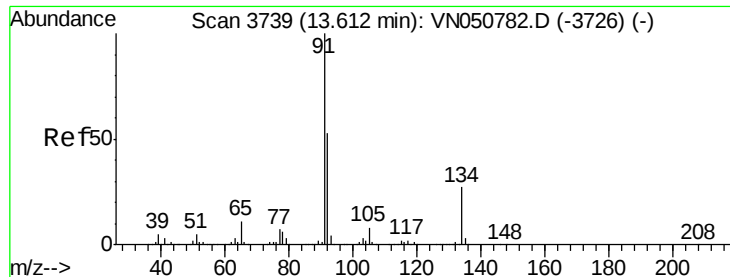
111 38.8 18.8 56.3

148 64.4 32.2 96.6



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

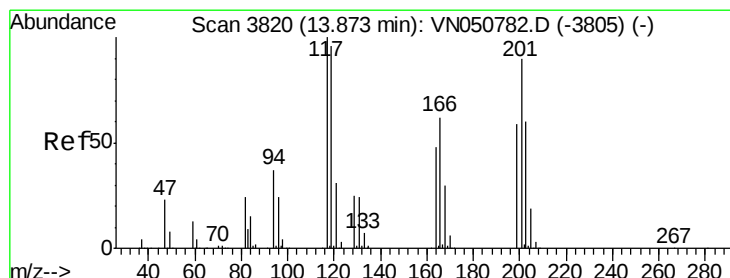
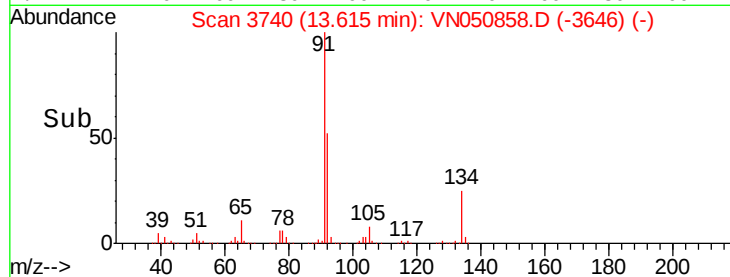
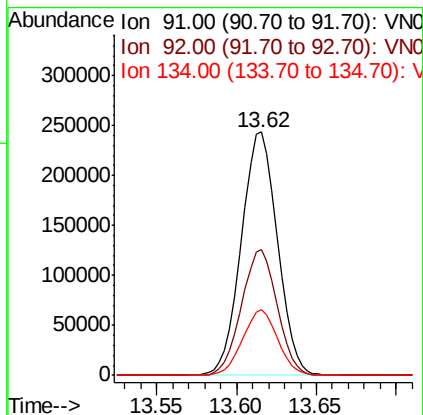
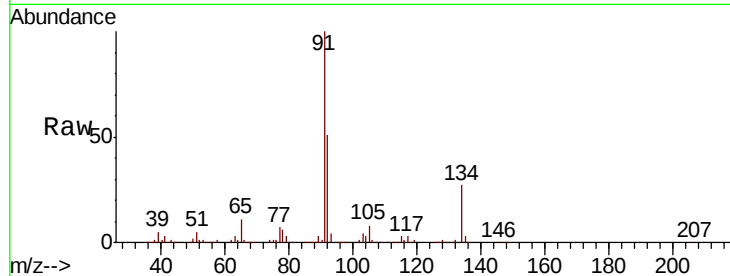




#89
n-Butylbenzene
Concen: 18.88 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. 0.00 min
Lab File: VN050858.D
Acq: 23 Aug 2018 17:25

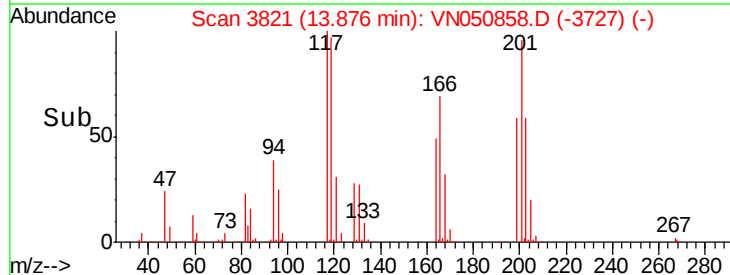
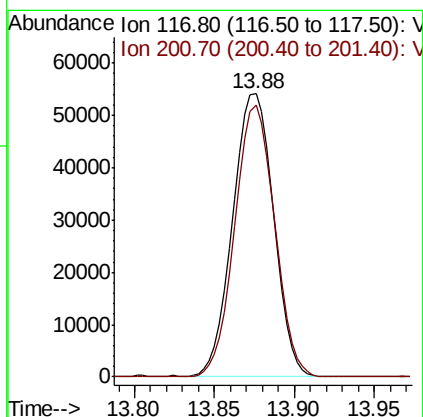
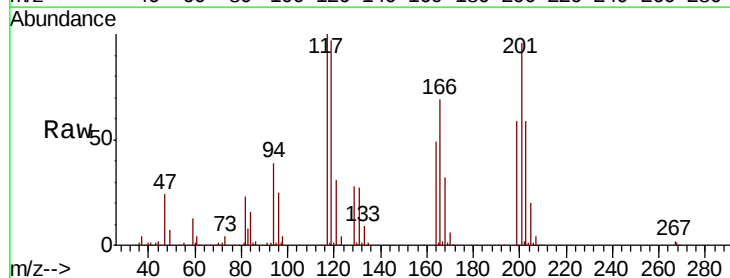
Instrument :
MSVOA_N
ClientSampled :

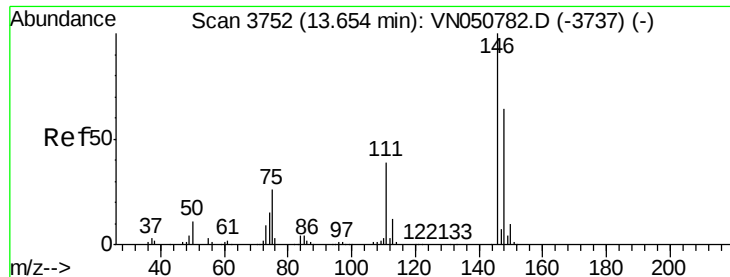
Tot Ion: 91 Resp: 374053
Ion Ratio Lower Upper
91 100
92 51.2 26.1 78.2
134 26.2 13.2 39.6



#90
Hexachloroethane
Concen: 20.13 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN050858.D
Acq: 23 Aug 2018 17:25

Tgt Ion: 117 Resp: 94531
Ion Ratio Lower Upper
117 100
201 93.3 46.0 137.8





#91

1,2-Dichlorobenzene

Concen: 19.44 ug/l

RT: 13.65 min Scan# 3752

Delta R.T. -0.00 min

Lab File: VN050858.D

Acq: 23 Aug 2018 17:25

Instrument :

MSVOA_N

ClientSampled :

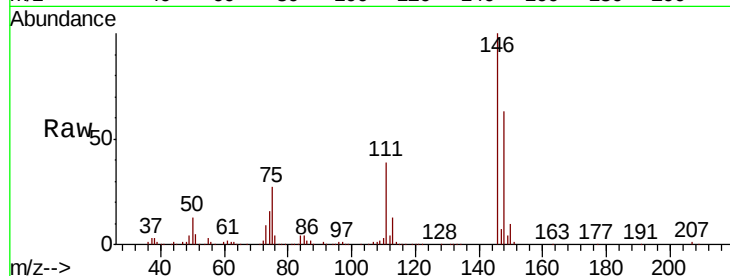
Tot Ion:146 Resp: 274665

Ion Ratio Lower Upper

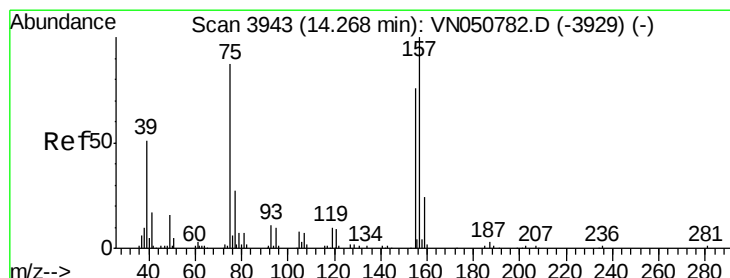
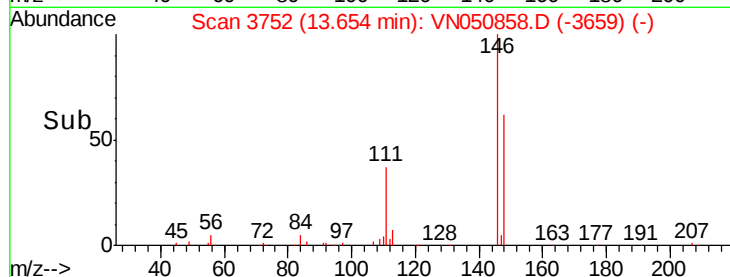
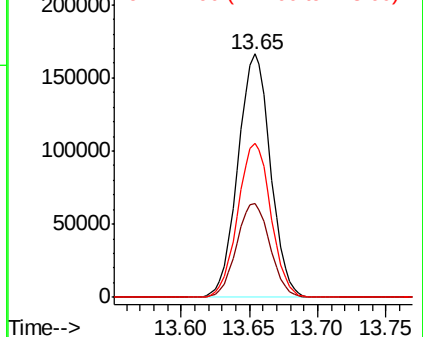
146 100

111 39.7 19.8 59.3

148 64.4 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: 20.84 ug/l

RT: 14.27 min Scan# 3943

Delta R.T. -0.00 min

Lab File: VN050858.D

Acq: 23 Aug 2018 17:25

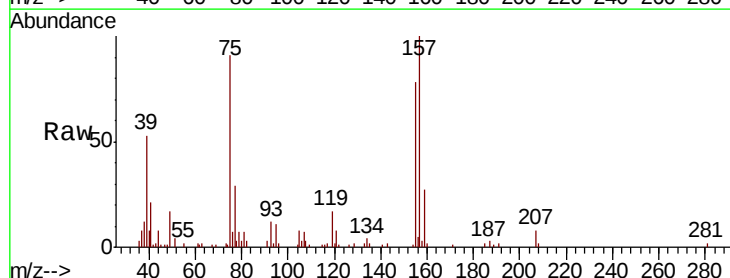
Tgt Ion: 75 Resp: 23764

Ion Ratio Lower Upper

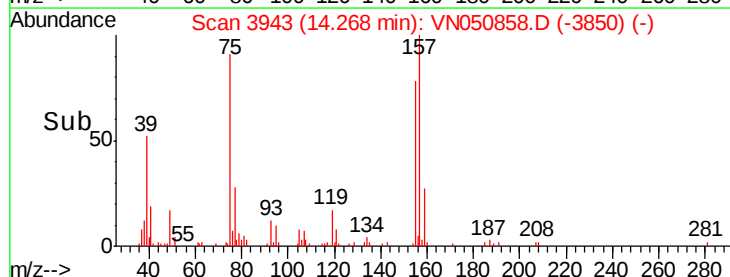
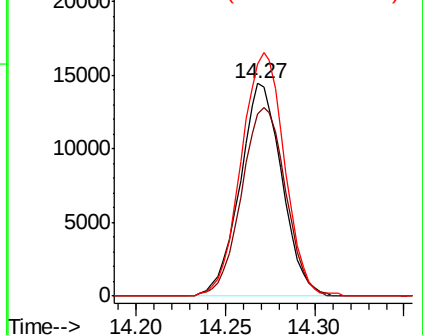
75 100

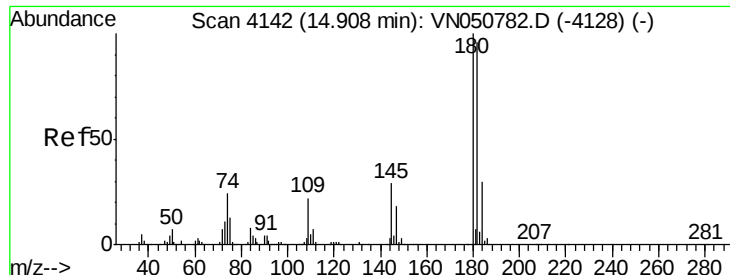
155 92.8 46.4 139.1

157 117.8 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

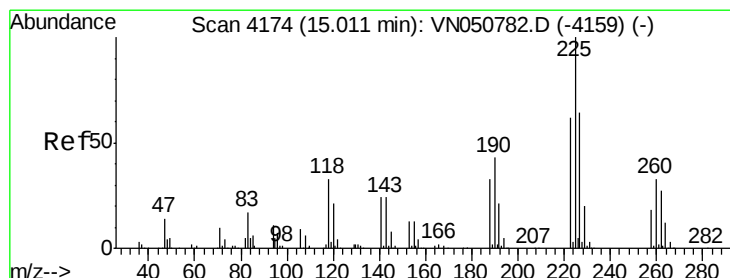
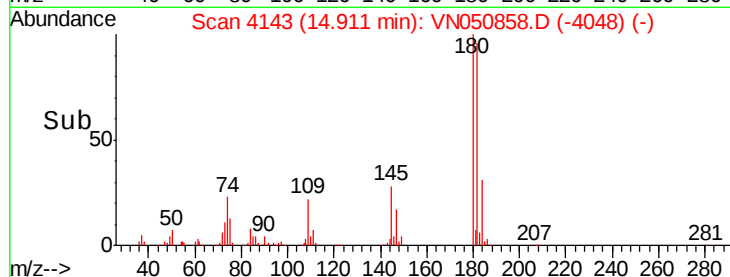
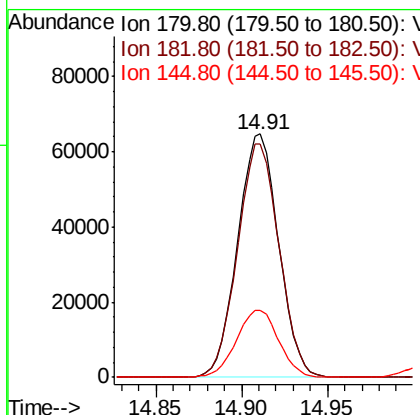
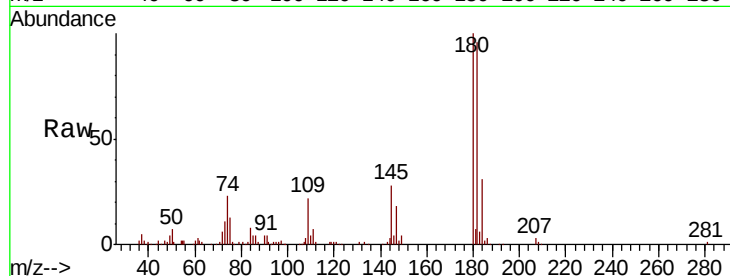




#93
 1,2,4-Trichlorobenzene
 Concen: 17.44 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050858.D
 Acq: 23 Aug 2018 17:25

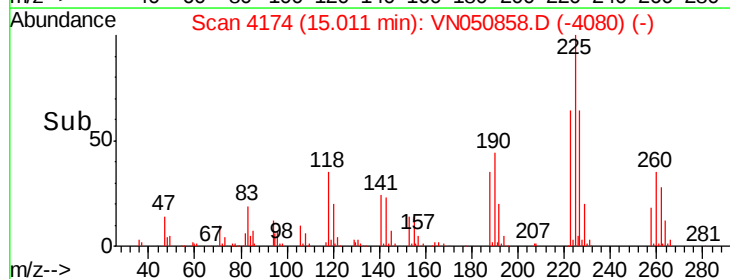
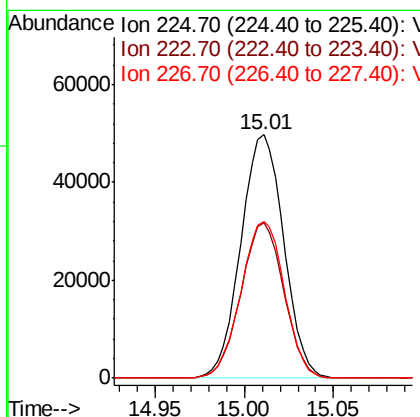
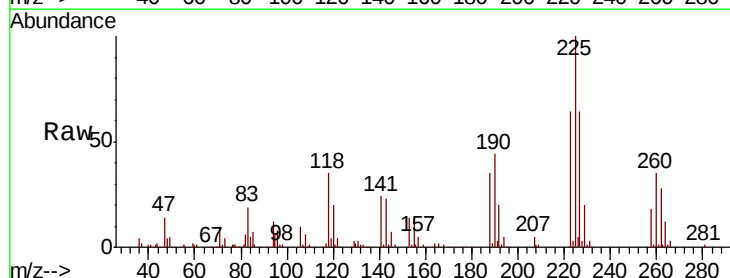
Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:180 Resp: 106886
 Ion Ratio Lower Upper
 180 100
 182 97.3 48.2 144.6
 145 28.7 14.1 42.2



#94
 Hexachlorobutadiene
 Concen: 19.23 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. 0.00 min
 Lab File: VN050858.D
 Acq: 23 Aug 2018 17:25

Tgt Ion:225 Resp: 83412
 Ion Ratio Lower Upper
 225 100
 223 63.7 31.3 93.8
 227 65.3 32.0 96.2





#95

Naphthalene

Concen: 18.07 ug/l

RT: 15.13 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN050858.D

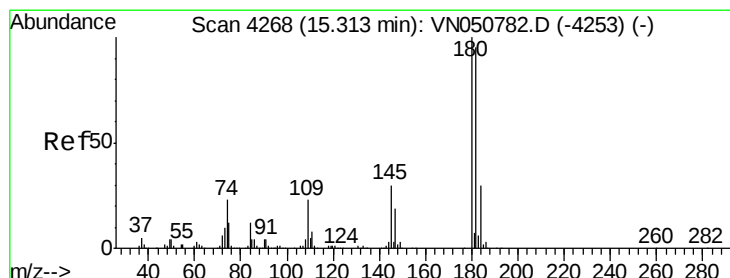
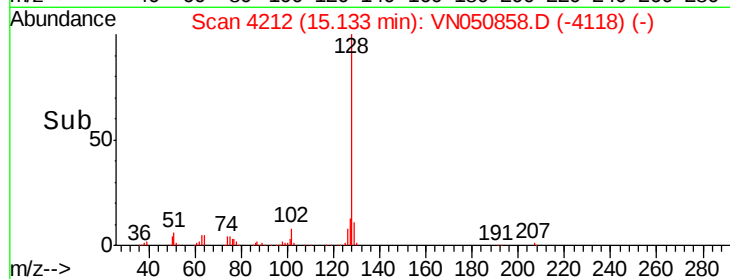
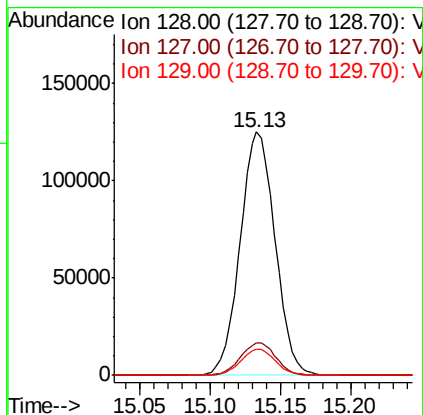
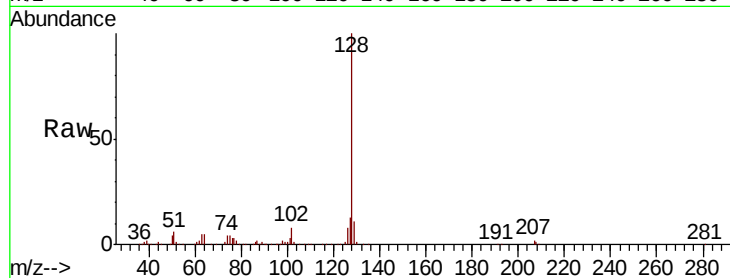
Acq: 23 Aug 2018 17:25

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:128	Resp:	217657
Ion	Ratio	Lower Upper
128	100	
127	13.5	10.5 15.7
129	10.8	8.7 13.1



#96

1,2,3-Trichlorobenzene

Concen: 18.80 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. 0.00 min

Lab File: VN050858.D

Acq: 23 Aug 2018 17:25

Tgt Ion:180	Resp:	114345
Ion	Ratio	Lower Upper
180	100	
182	94.9	48.0 144.2
145	30.3	15.2 45.6

