

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN083018\
 Data File : VN050954.D
 Acq On : 30 Aug 2018 11:43
 Operator : MD\SY
 Sample : VN0830WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0830WBS01

Quant Time: Aug 31 01:33:34 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	584247	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	829316	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	742631	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	358097	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	349033	49.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.24%	
35) Dibromofluoromethane	7.59	113	335761	50.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.78%	
50) Toluene-d8	10.09	98	1229753	49.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.70%	
62) 4-Bromofluorobenzene	12.40	95	384801	46.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	153158	19.59	ug/l	99
3) Chloromethane	2.06	50	169250	17.55	ug/l	99
4) Vinyl Chloride	2.18	62	170334	18.65	ug/l	100
5) Bromomethane	2.56	94	96692	17.94	ug/l	99
6) Chloroethane	2.70	64	99129	18.78	ug/l	96
7) Trichlorofluoromethane	3.01	101	226744	19.38	ug/l	99
8) Diethyl Ether	3.41	74	77654	19.52	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	142200	19.46	ug/l	99
10) Methyl Iodide	3.95	142	103039	20.37	ug/l #	95
11) Tert butyl alcohol	4.80	59	47760	106.64	ug/l	97
12) 1,1-Dichloroethene	3.74	96	126431	19.27	ug/l	97
13) Acrolein	3.62	56	14457	69.23	ug/l	96
14) Allyl chloride	4.32	41	192948	18.87	ug/l	97
15) Acrylonitrile	4.99	53	238333	104.71	ug/l	98
16) Acetone	3.82	43	177852	102.62	ug/l	99
17) Carbon Disulfide	4.05	76	363743	16.54	ug/l	99
18) Methyl Acetate	4.33	43	150622	22.68	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	337354	20.44	ug/l	99
20) Methylene Chloride	4.55	84	151033	19.05	ug/l	99
21) trans-1,2-Dichloroethene	5.05	96	134560	18.96	ug/l	99
22) Diisopropyl ether	5.96	45	420440	20.63	ug/l	98
23) Vinyl Acetate	5.90	43	1252951	95.48	ug/l	100
24) 1,1-Dichloroethane	5.85	63	256237	19.59	ug/l	100
25) 2-Butanone	6.84	43	261730	92.34	ug/l	100
26) 2,2-Dichloropropane	6.83	77	201691	19.19	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	150289	19.64	ug/l	100
28) Bromochloromethane	7.20	49	107916	19.41	ug/l	98
29) Tetrahydrofuran	7.22	42	171559	105.57	ug/l	99
30) Chloroform	7.37	83	258890	19.98	ug/l	98
31) Cyclohexane	7.66	56	212692	18.19	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	216835	19.49	ug/l	99
36) 1,1-Dichloropropene	7.80	75	185936	19.00	ug/l	99
37) Ethyl Acetate	6.94	43	116857	20.79	ug/l	99
38) Carbon Tetrachloride	7.78	117	194651	19.68	ug/l	98

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 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 05:38:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	193020	18.23	ug/l	99
40) Benzene	8.04	78	586060	19.86	ug/l	100
41) Methacrylonitrile	7.18	41	54184	17.81	ug/l	92
42) 1,2-Dichloroethane	8.13	62	178337	20.21	ug/l	99
43) Isopropyl Acetate	8.17	43	201138	20.81	ug/l	99
44) Trichloroethene	8.84	130	154038	19.79	ug/l	96
45) 1,2-Dichloropropane	9.12	63	154345	19.90	ug/l	99
46) Dibromomethane	9.21	93	92645	20.33	ug/l	99
47) Bromodichloromethane	9.41	83	195711	20.50	ug/l	98
48) Methyl methacrylate	9.20	41	101481	20.60	ug/l	98
49) 1,4-Dioxane	9.20	88	28646	426.59	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	583799	101.21	ug/l	99
52) Toluene	10.16	92	358860	20.53	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	183391	19.30	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	217237	19.97	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	133501	20.58	ug/l	99
56) Ethyl methacrylate	10.43	69	150712	19.37	ug/l	99
57) 1,3-Dichloropropane	10.71	76	219818	20.53	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	300189	89.74	ug/l	99
59) 2-Hexanone	10.75	43	375794	97.87	ug/l	100
60) Dibromochloromethane	10.90	129	148898	20.50	ug/l	99
61) 1,2-Dibromoethane	11.01	107	129385	20.62	ug/l	98
64) Tetrachloroethene	10.63	164	137759	19.53	ug/l	98
65) Chlorobenzene	11.44	112	382458	19.70	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	147704	20.80	ug/l	99
67) Ethyl Benzene	11.51	91	626406	19.85	ug/l	99
68) m/p-Xylenes	11.62	106	491260	41.01	ug/l	99
69) o-Xylene	11.95	106	232918	20.23	ug/l	99
70) Styrene	11.97	104	368193	18.95	ug/l	99
71) Bromoform	12.13	173	102600	21.01	ug/l #	100
73) Isopropylbenzene	12.25	105	619258	20.88	ug/l	100
74) N-amyl acetate	12.07	43	147580	19.81	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	167030	22.74	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	189920	30.28	ug/l #	100
77) Bromobenzene	12.53	156	162033	20.11	ug/l	98
78) n-propylbenzene	12.59	91	677070	20.44	ug/l	100
79) 2-Chlorotoluene	12.68	91	422595	20.48	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	511283	21.37	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	37688	20.31	ug/l	96
82) 4-Chlorotoluene	12.77	91	410499	20.15	ug/l	100
83) tert-Butylbenzene	12.99	119	428744	20.69	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	508829	21.14	ug/l	100
85) sec-Butylbenzene	13.17	105	562152	20.70	ug/l	100
86) p-Isopropyltoluene	13.29	119	479196	20.71	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	266679	19.50	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	253651	18.85	ug/l	99
89) n-Butylbenzene	13.62	91	345418	18.67	ug/l	99
90) Hexachloroethane	13.88	117	92078	20.99	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	264466	20.04	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	22509	21.14	ug/l	94

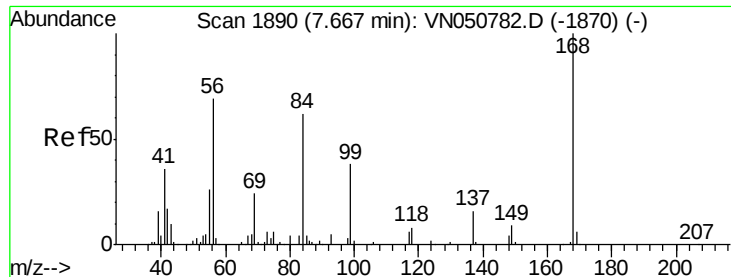
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Quant Title : SW846 8260
QLast Update : Wed Aug 22 05:38:12 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	97876	17.18	ug/l	99
94) Hexachlorobutadiene	15.01	225	81291	20.12	ug/l	99
95) Naphthalene	15.13	128	182086	16.75	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	101176	17.98	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN050954.D

Acq: 30 Aug 2018 11:43

Instrument :

MSVOA_N

ClientSampled :

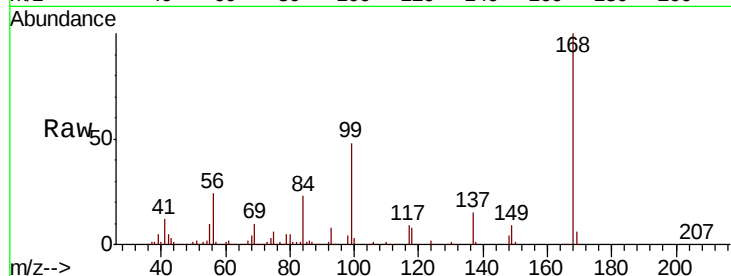
VN0830WBS01

Tot Ion:168 Resp: 584247

Ion Ratio Lower Upper

168 100

99 47.7 39.6 59.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

250000

200000

150000

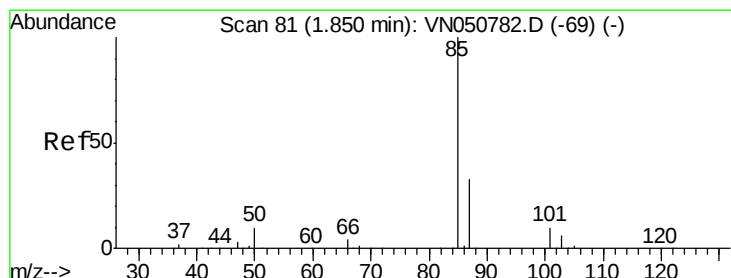
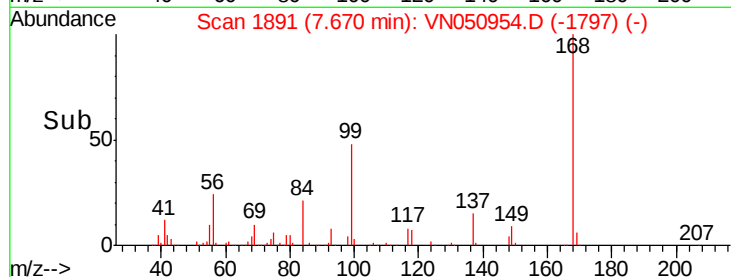
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 19.59 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN050954.D

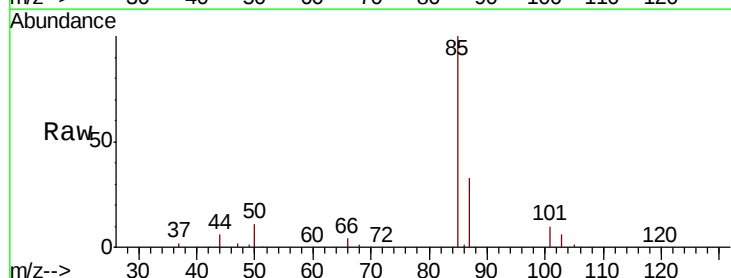
Acq: 30 Aug 2018 11:43

Tgt Ion: 85 Resp: 153158

Ion Ratio Lower Upper

85 100

87 33.3 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

120000

100000

80000

60000

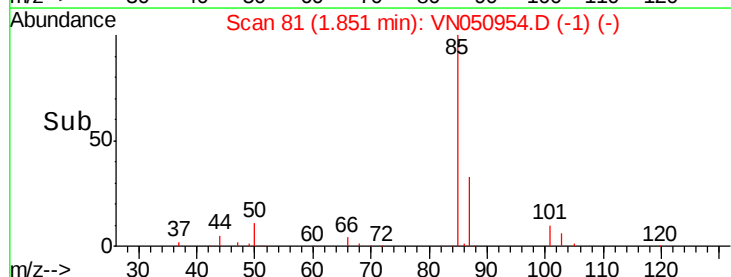
40000

20000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 17.55 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN050954.D

Acq: 30 Aug 2018 11:43

Instrument :

MSVOA_N

ClientSampled :

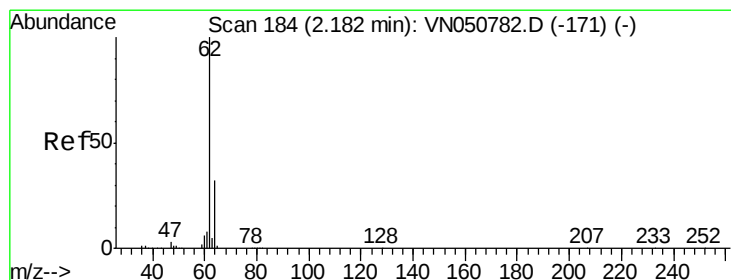
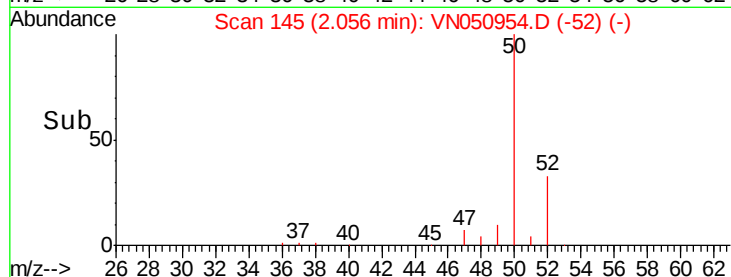
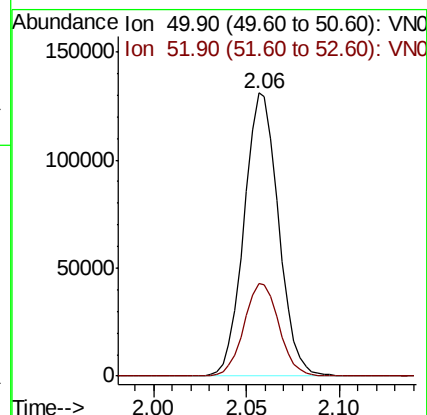
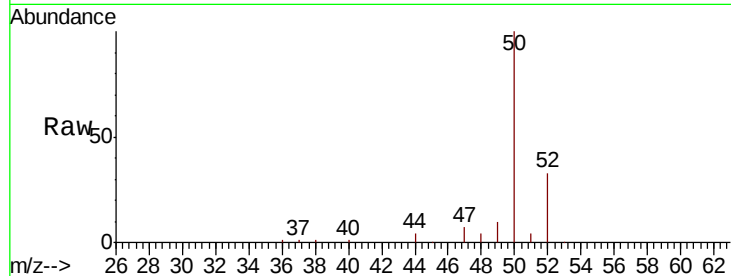
VN0830WBS01

Tot Ion: 50 Resp: 169250

Ion Ratio Lower Upper

50 100

52 32.6 26.3 39.5



#4

Vinyl Chloride

Concen: 18.65 ug/l

RT: 2.18 min Scan# 184

Delta R.T. 0.00 min

Lab File: VN050954.D

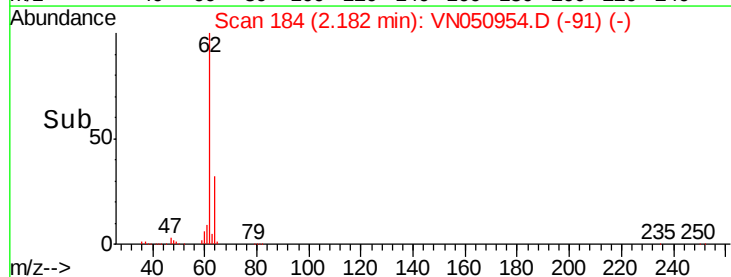
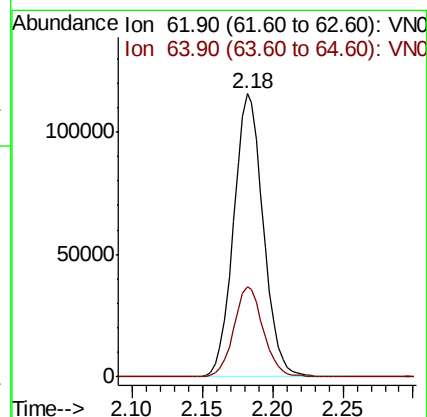
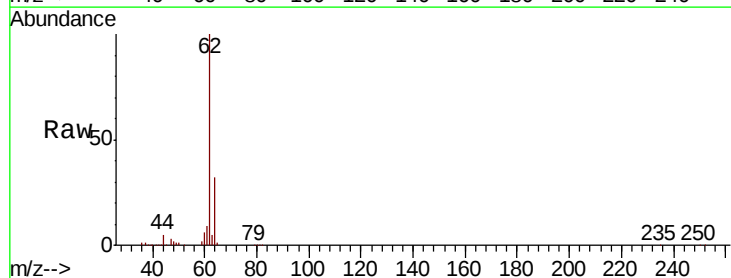
Acq: 30 Aug 2018 11:43

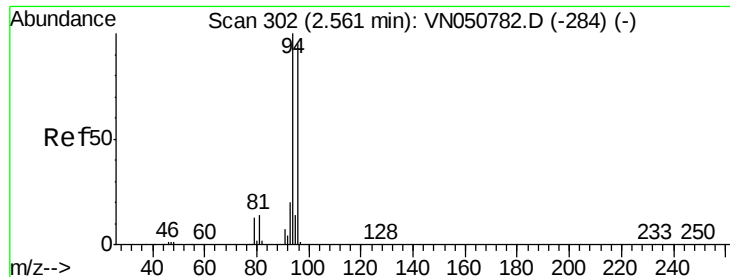
Tgt Ion: 62 Resp: 170334

Ion Ratio Lower Upper

62 100

64 31.9 25.4 38.2





#5

Bromomethane

Concen: 17.94 ug/l

RT: 2.56 min Scan# 303

Delta R.T. 0.00 min

Lab File: VN050954.D

Acq: 30 Aug 2018 11:43

Instrument :

MSVOA_N

ClientSampleId :

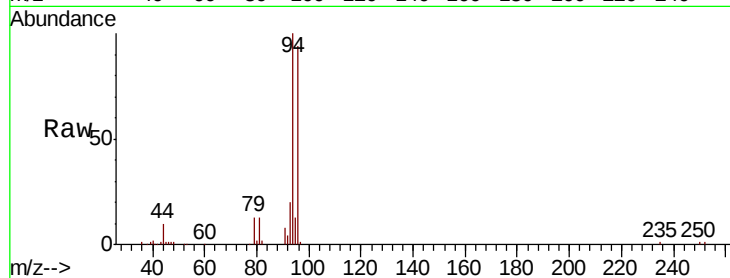
VN0830WBS01

Tot Ion: 94 Resp: 96692

Ion Ratio Lower Upper

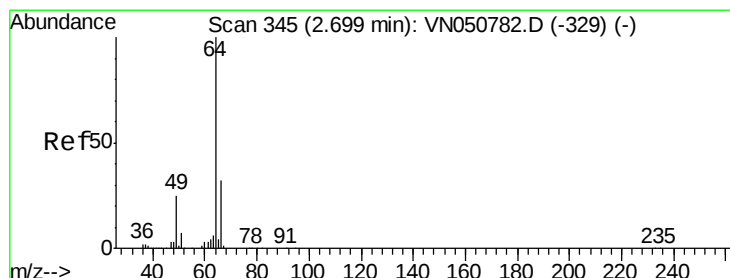
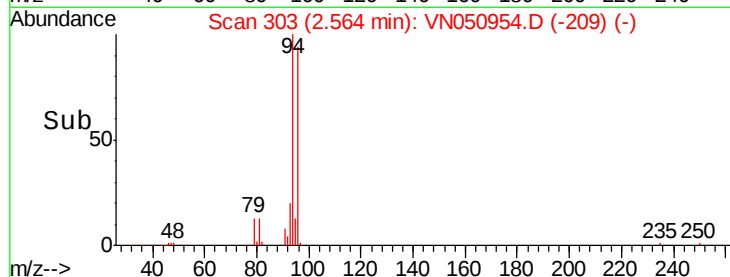
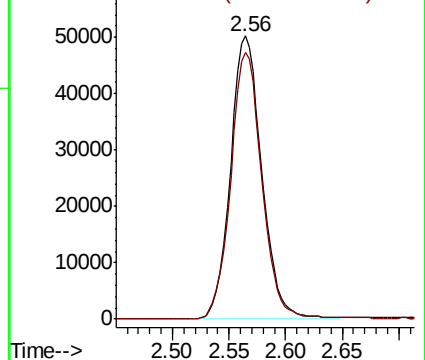
94 100

96 94.0 76.2 114.2



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 18.78 ug/l

RT: 2.70 min Scan# 345

Delta R.T. 0.00 min

Lab File: VN050954.D

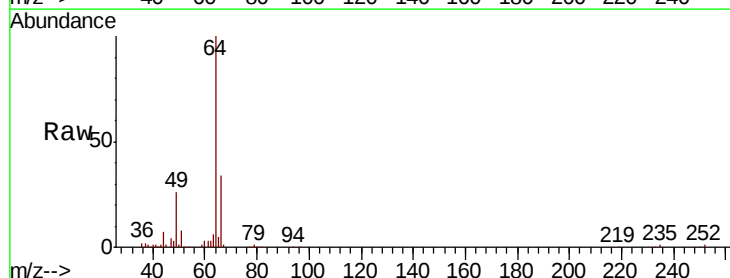
Acq: 30 Aug 2018 11:43

Tgt Ion: 64 Resp: 99129

Ion Ratio Lower Upper

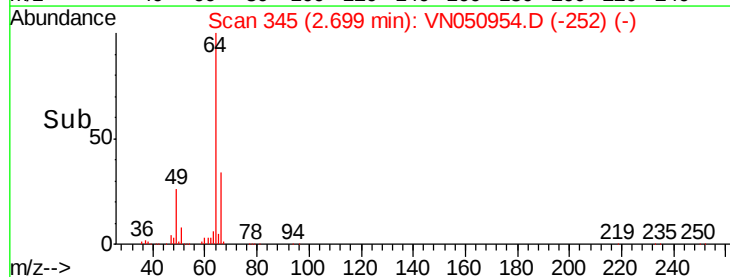
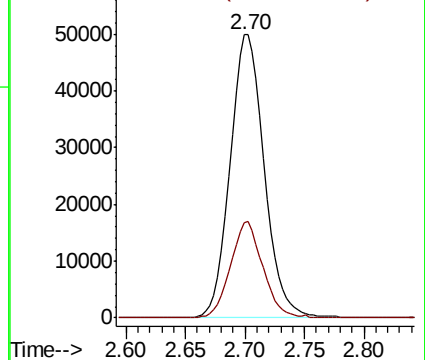
64 100

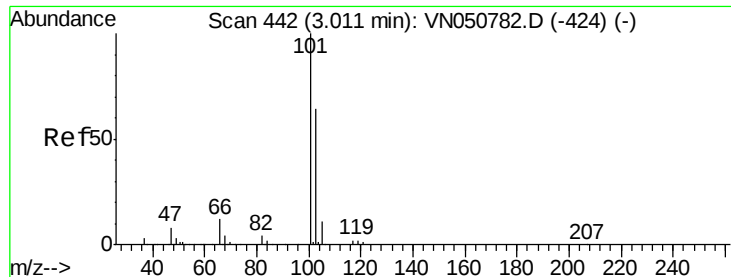
66 33.7 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



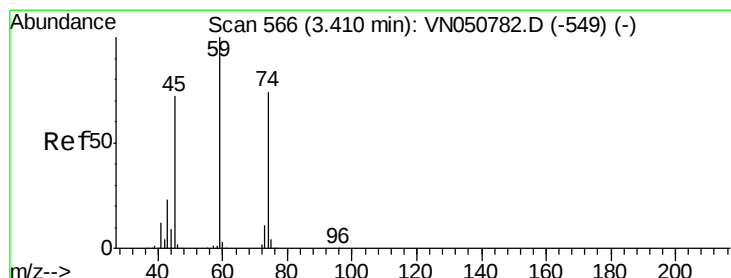
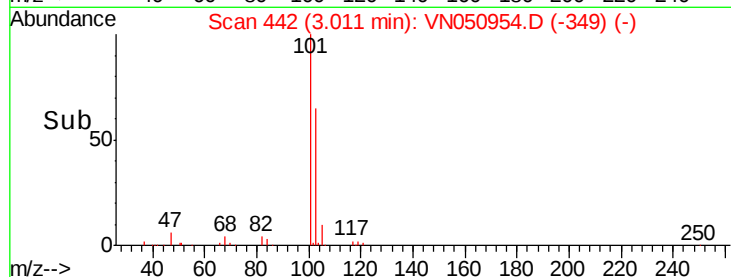
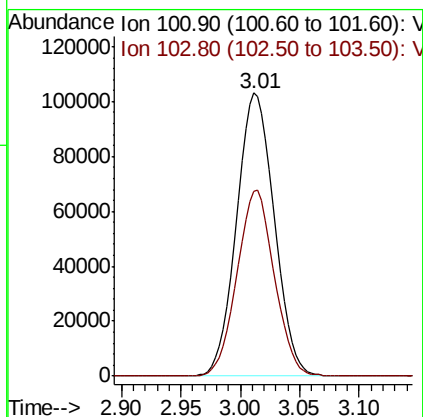
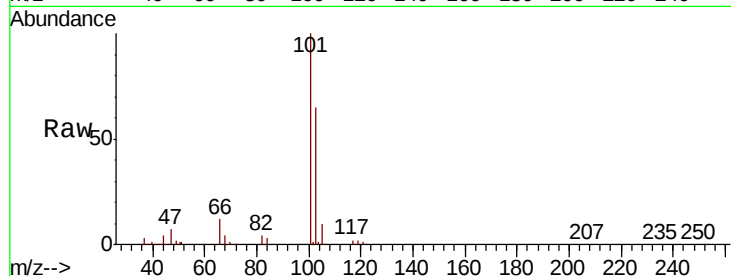


#7

Trichlorofluoromethane
 Concen: 19.38 ug/l
 RT: 3.01 min Scan# 442
 Delta R.T. 0.00 min
 Lab File: VN050954.D
 Acq: 30 Aug 2018 11:43

Instrument :
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 VN0830WBS01

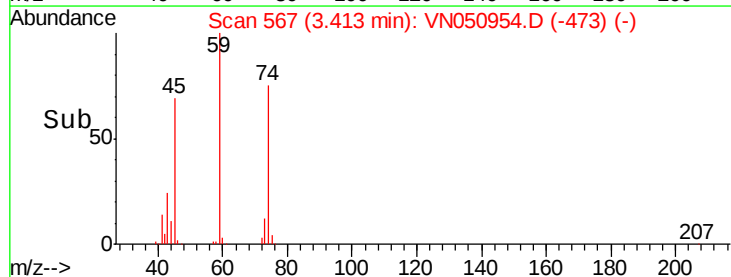
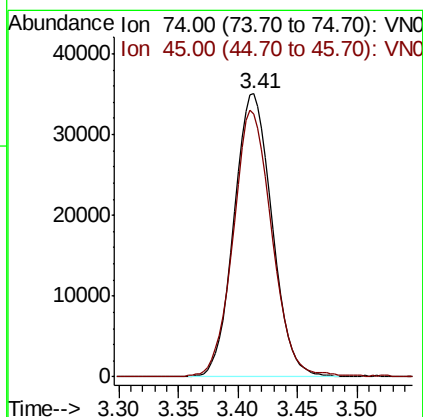
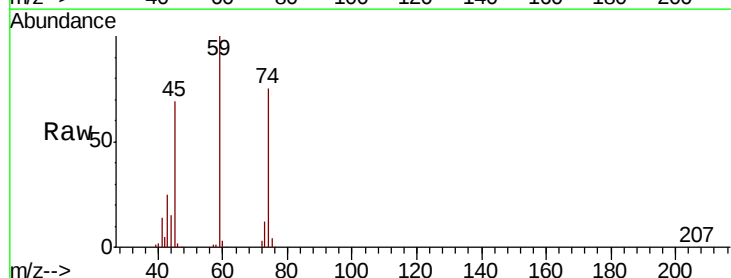
Tot Ion:101 Resp: 226744
 Ion Ratio Lower Upper
 101 100
 103 65.3 51.6 77.4



#8

Diethyl Ether
 Concen: 19.52 ug/l
 RT: 3.41 min Scan# 567
 Delta R.T. 0.00 min
 Lab File: VN050954.D
 Acq: 30 Aug 2018 11:43

Tgt Ion: 74 Resp: 77654
 Ion Ratio Lower Upper
 74 100
 45 95.8 48.2 144.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.46 ug/l

RT: 3.76 min Scan# 674

Delta R.T. 0.00 min

Lab File: VN050954.D

Acq: 30 Aug 2018 11:43

Instrument :

MSVOA_N

ClientSampleId :

VN0830WBS01

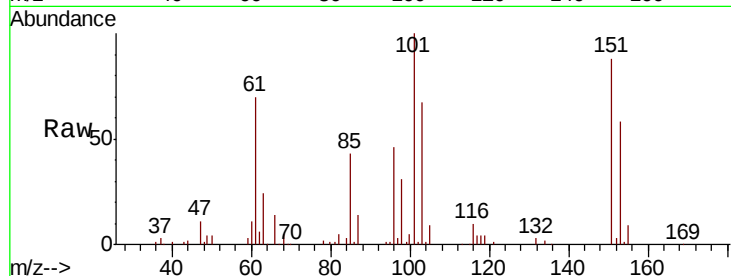
Tot Ion:101 Resp: 142200

Ion Ratio Lower Upper

101 100

85 41.4 33.7 50.5

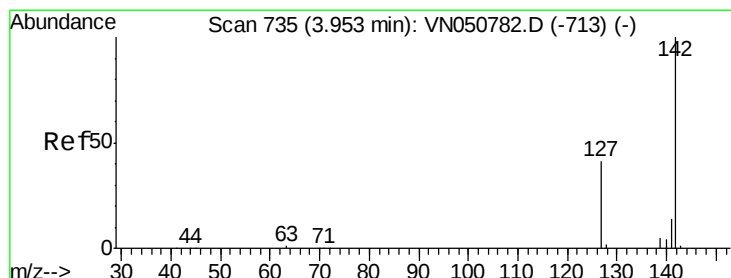
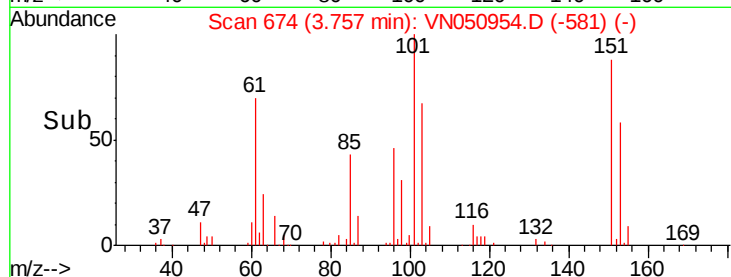
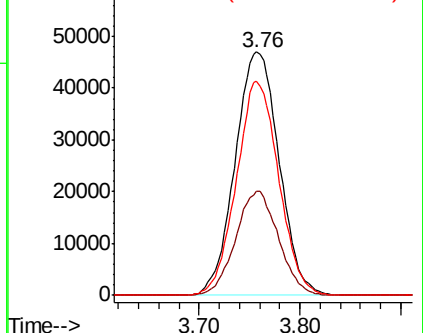
151 84.7 67.4 101.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.37 ug/l

RT: 3.95 min Scan# 734

Delta R.T. -0.00 min

Lab File: VN050954.D

Acq: 30 Aug 2018 11:43

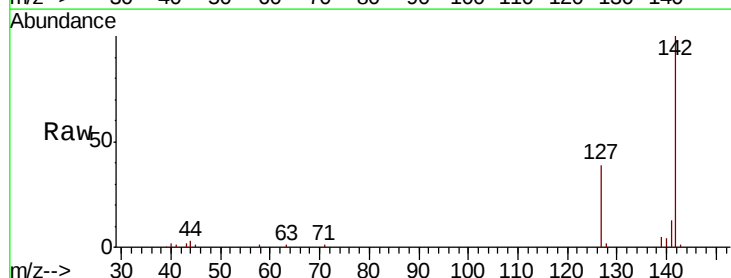
Tgt Ion:142 Resp: 103039

Ion Ratio Lower Upper

142 100

127 39.3 31.7 47.5

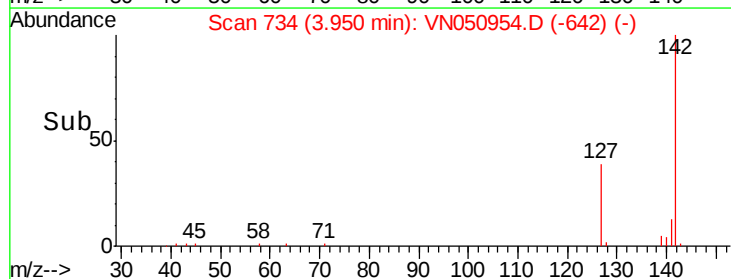
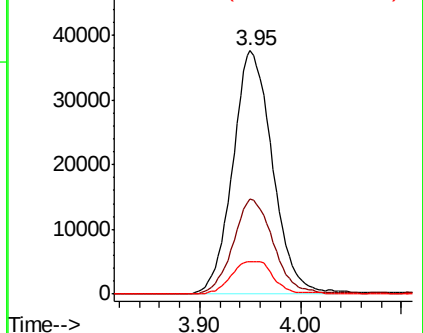
141 7.8 11.4 17.0#

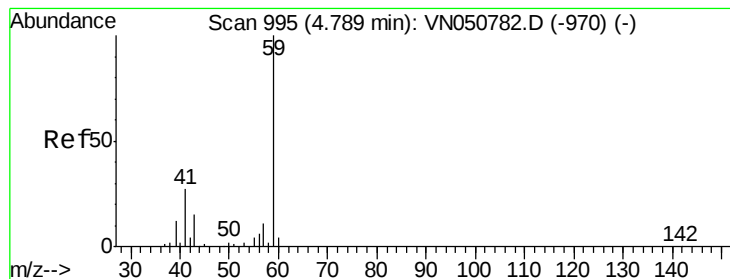


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 106.64 ug/l

RT: 4.80 min Scan# 999

Delta R.T. 0.01 min

Lab File: VN050954.D

Acq: 30 Aug 2018 11:43

Instrument :

MSVOA_N

ClientSampled :

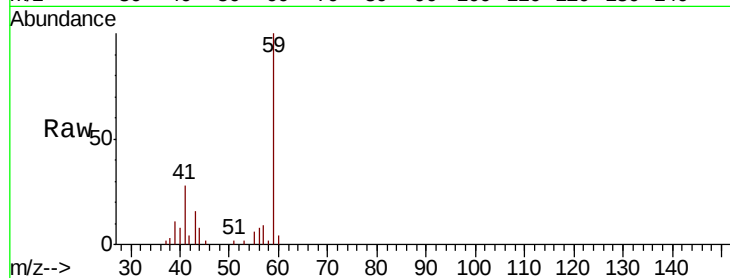
VN0830WBS01

Tot Ion: 59 Resp: 47760

Ion Ratio Lower Upper

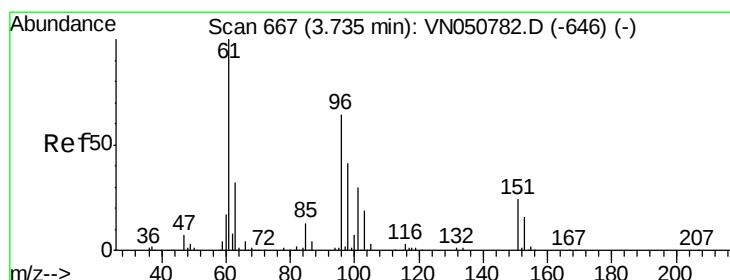
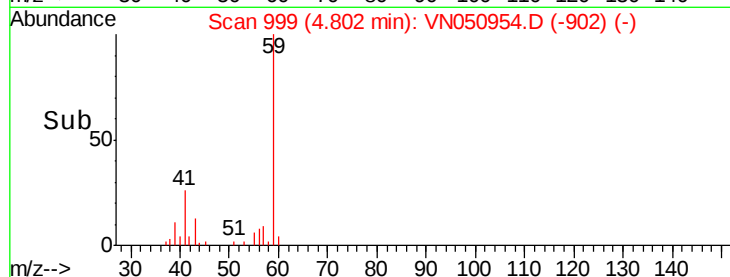
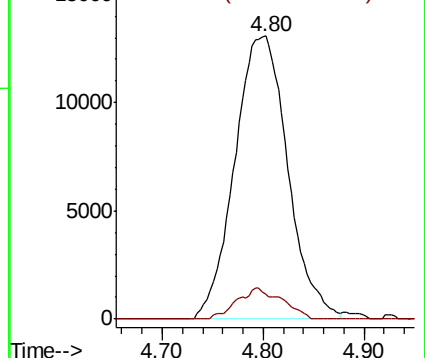
59 100

57 9.4 8.3 12.5



Abundance Ion 59.00 (58.70 to 59.70): VN050782.D (-970) (-)

Ion 57.00 (56.70 to 57.70): VN050782.D (-970) (-)



#12

1,1-Dichloroethene

Concen: 19.27 ug/l

RT: 3.74 min Scan# 668

Delta R.T. 0.00 min

Lab File: VN050954.D

Acq: 30 Aug 2018 11:43

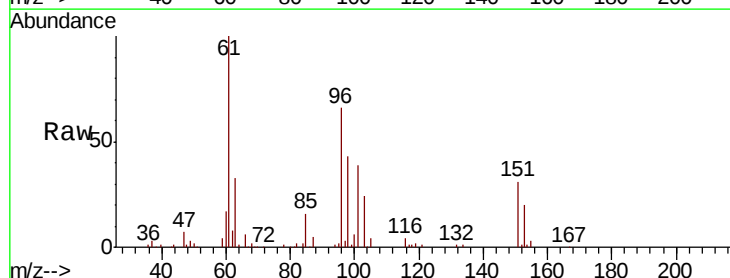
Tgt Ion: 96 Resp: 126431

Ion Ratio Lower Upper

96 100

61 151.8 124.9 187.3

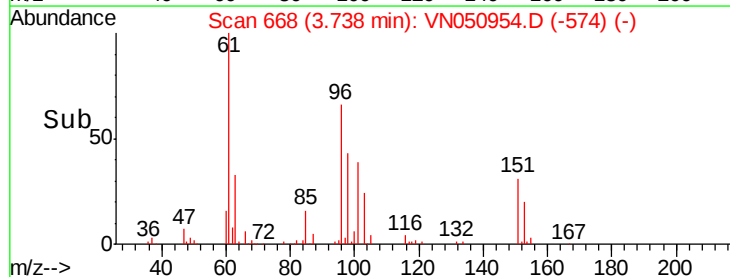
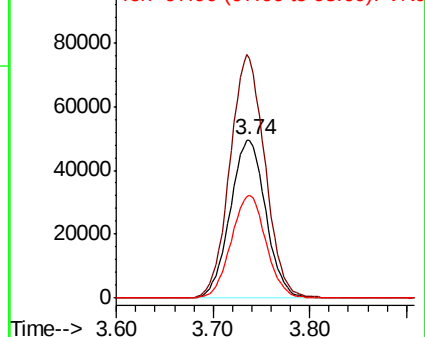
98 65.0 51.1 76.7

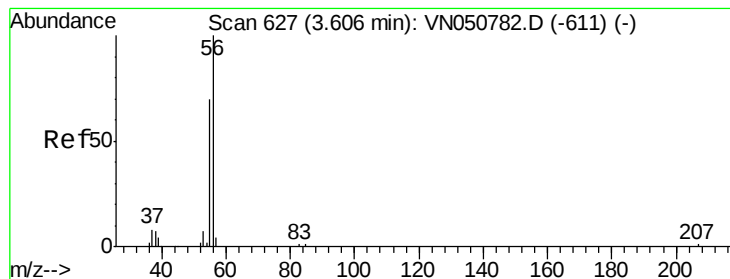


Abundance Ion 95.90 (95.60 to 96.60): VN050782.D (-646) (-)

Ion 60.90 (60.60 to 61.60): VN050782.D (-646) (-)

Ion 97.90 (97.60 to 98.60): VN050782.D (-646) (-)





#13

Acrolein

Concen: 69.23 ug/l

RT: 3.62 min Scan# 630

Delta R.T. 0.01 min

Lab File: VN050954.D

Acq: 30 Aug 2018 11:43

Instrument :

MSVOA_N

ClientSampleId :

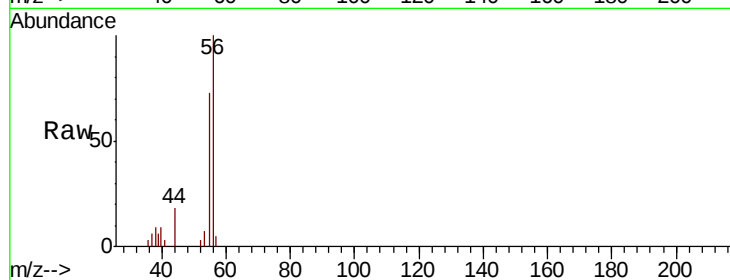
VN0830WBS01

Tot Ion: 56 Resp: 14457

Ion Ratio Lower Upper

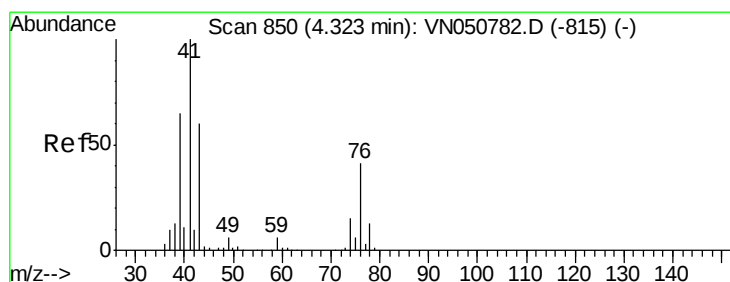
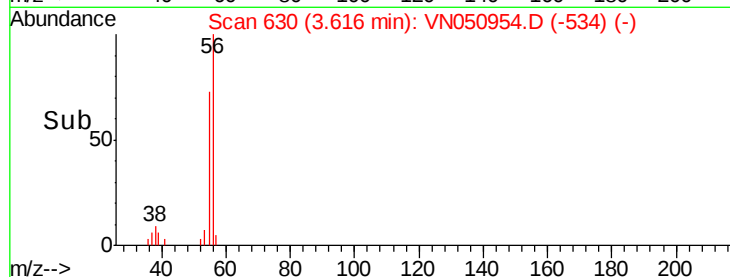
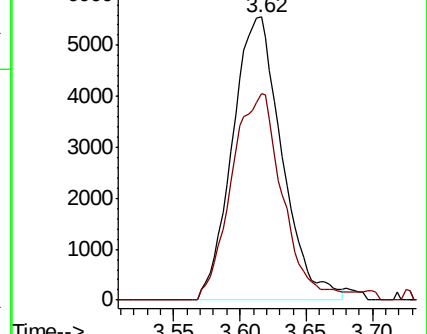
56 100

55 75.2 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: 18.87 ug/l

RT: 4.32 min Scan# 850

Delta R.T. 0.00 min

Lab File: VN050954.D

Acq: 30 Aug 2018 11:43

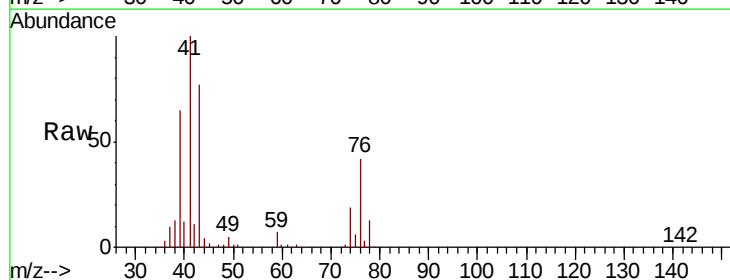
Tgt Ion: 41 Resp: 192948

Ion Ratio Lower Upper

41 100

39 59.8 50.2 75.2

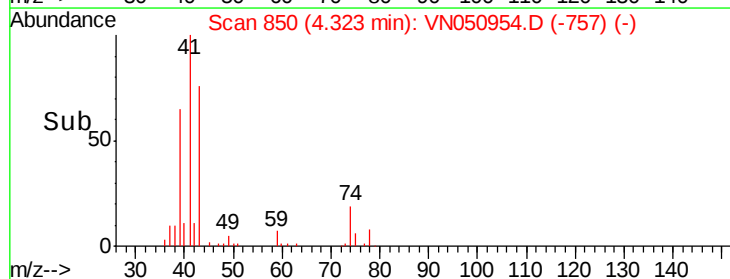
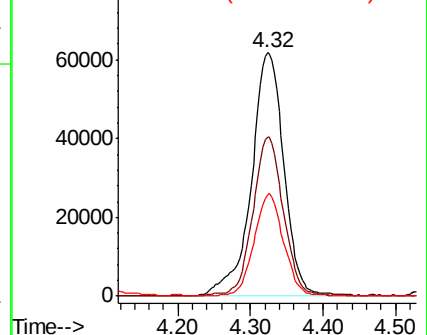
76 38.3 29.8 44.8

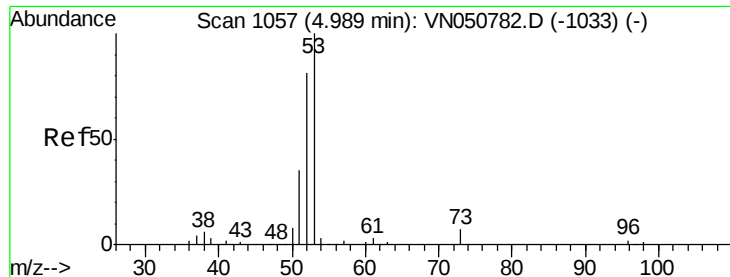


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 104.71 ug/l

RT: 4.99 min Scan# 1058

Delta R.T. 0.00 min

Lab File: VN050954.D

Acq: 30 Aug 2018 11:43

Instrument :

MSVOA_N

ClientSampleId :

VN0830WBS01

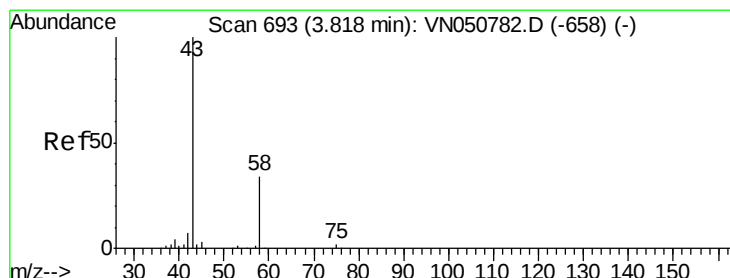
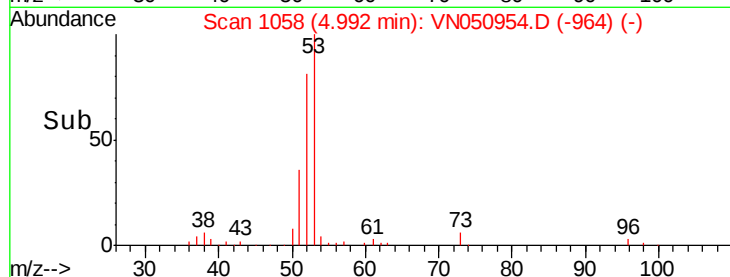
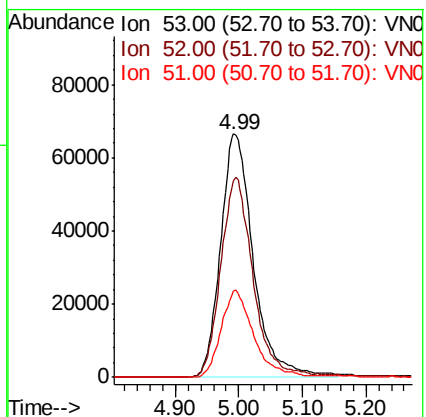
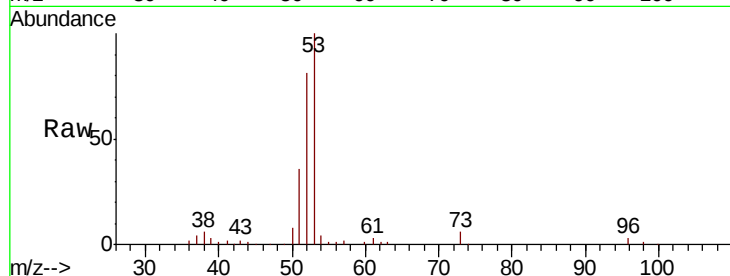
Tot Ion: 53 Resp: 238333

Ion Ratio Lower Upper

53 100

52 80.6 65.9 98.9

51 35.4 28.6 43.0



#16

Acetone

Concen: 102.62 ug/l

RT: 3.82 min Scan# 694

Delta R.T. 0.00 min

Lab File: VN050954.D

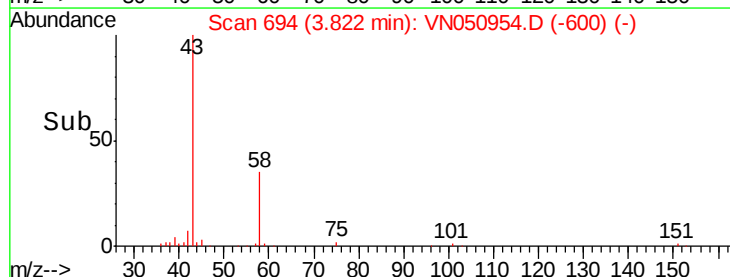
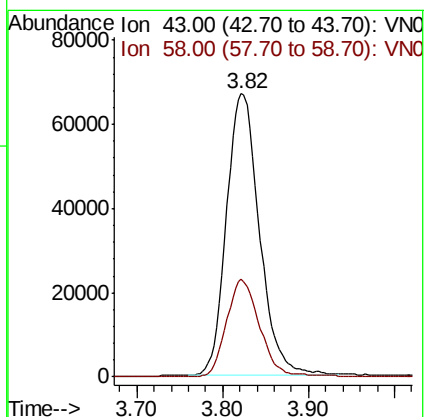
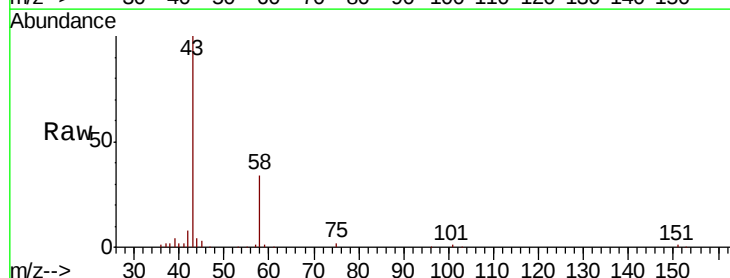
Acq: 30 Aug 2018 11:43

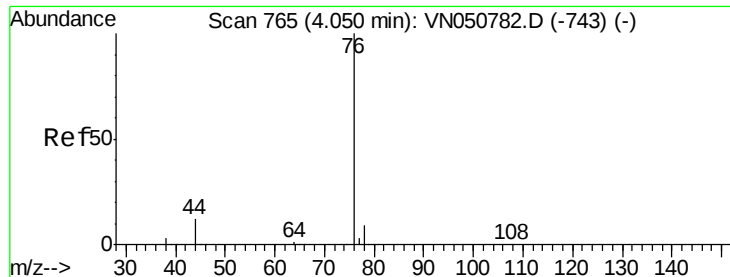
Tgt Ion: 43 Resp: 177852

Ion Ratio Lower Upper

43 100

58 34.7 27.2 40.8

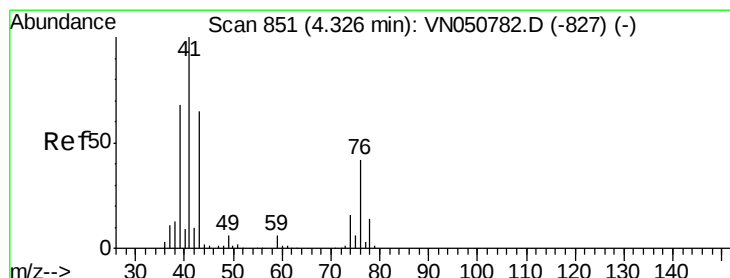
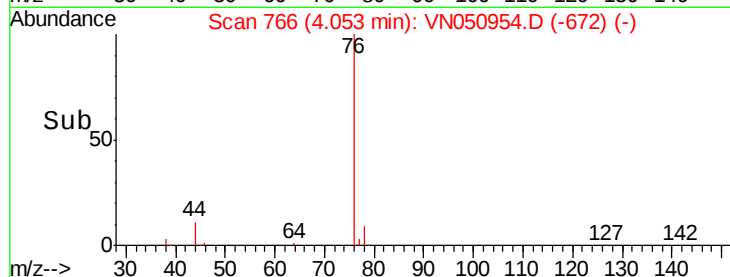
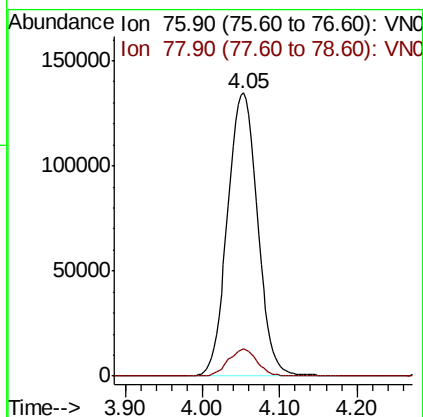
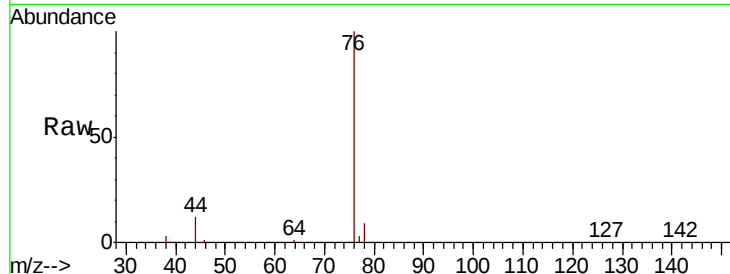




#17
Carbon Disulfide
Concen: 16.54 ug/l
RT: 4.05 min Scan# 766
Delta R.T. 0.00 min
Lab File: VN050954.D
Acq: 30 Aug 2018 11:43

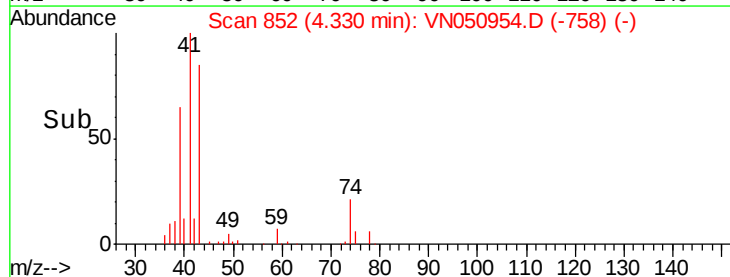
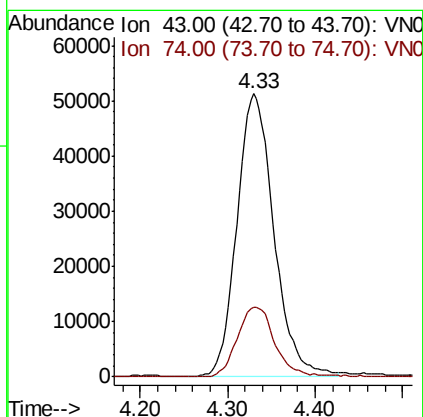
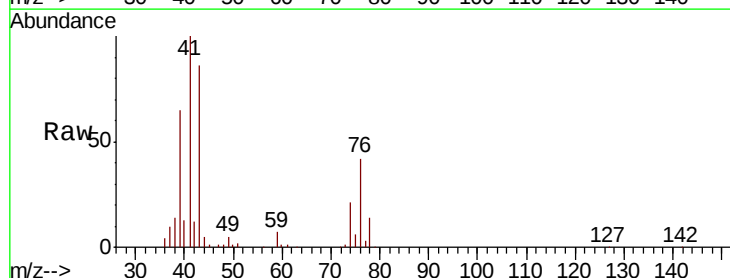
Instrument :
MSVOA_N
ClientSampleId :
VN0830WBS01

Tot Ion: 76 Resp: 363743
Ion Ratio Lower Upper
76 100
78 9.5 7.3 10.9



#18
Methyl Acetate
Concen: 22.68 ug/l
RT: 4.33 min Scan# 852
Delta R.T. 0.00 min
Lab File: VN050954.D
Acq: 30 Aug 2018 11:43

Tgt Ion: 43 Resp: 150622
Ion Ratio Lower Upper
43 100
74 25.0 19.8 29.8

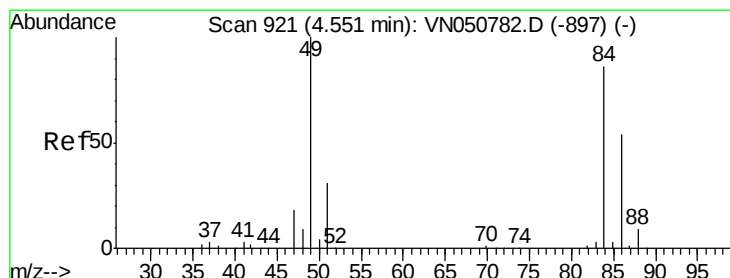
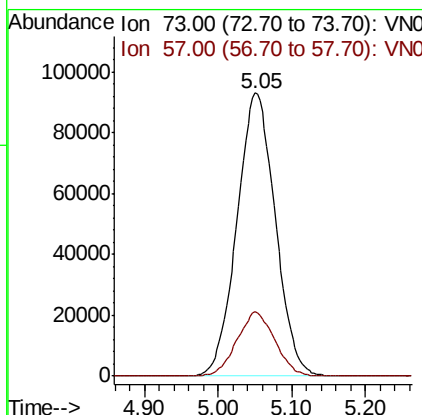
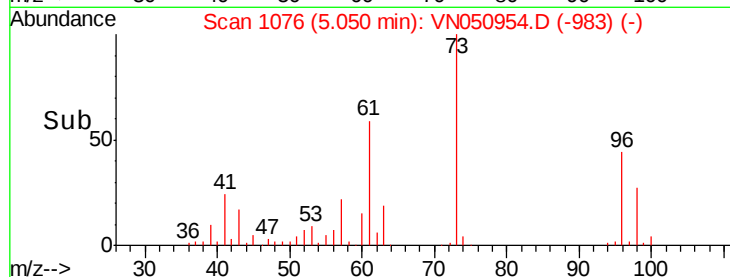
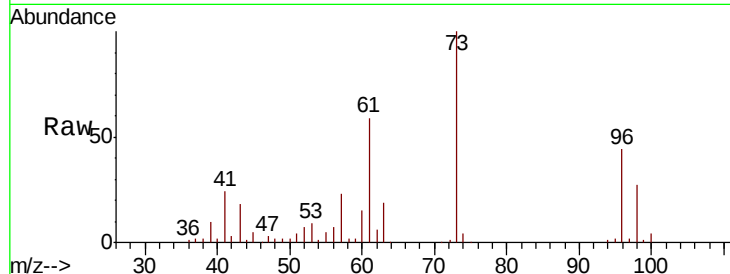




#19
Methyl tert-butyl Ether
Concen: 20.44 ug/l
RT: 5.05 min Scan# 1076
Delta R.T. 0.00 min
Lab File: VN050954.D
Acq: 30 Aug 2018 11:43

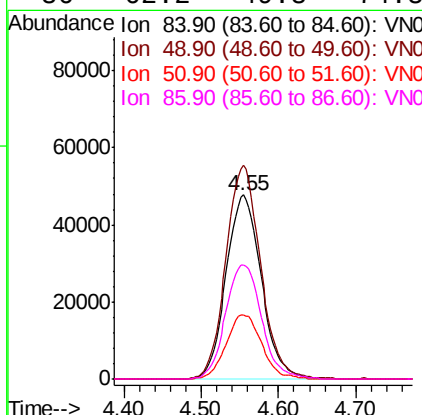
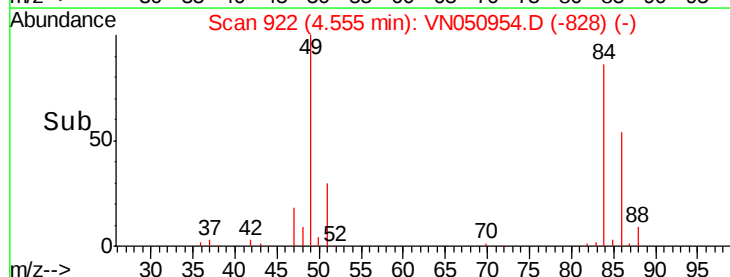
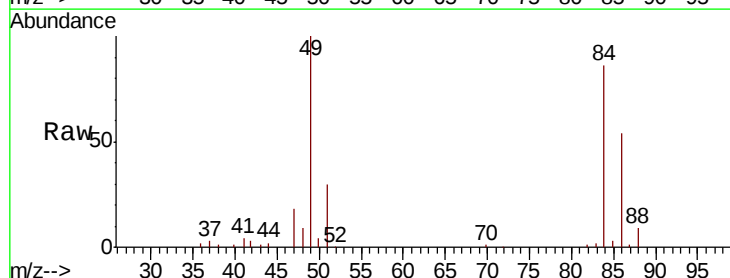
Instrument :
MSVOA_N
ClientSampled :
VN0830WBS01

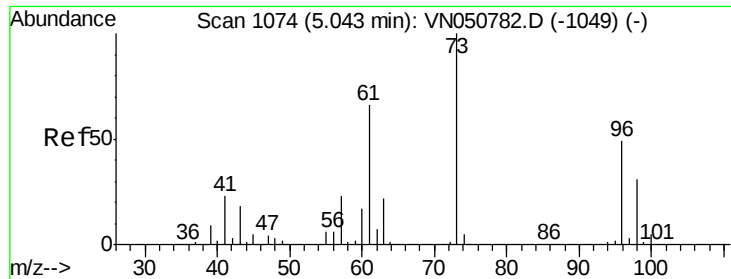
Tot Ion: 73 Resp: 337354
Ion Ratio Lower Upper
73 100
57 22.6 17.8 26.8



#20
Methylene Chloride
Concen: 19.05 ug/l
RT: 4.55 min Scan# 922
Delta R.T. 0.00 min
Lab File: VN050954.D
Acq: 30 Aug 2018 11:43

Tgt Ion: 84 Resp: 151033
Ion Ratio Lower Upper
84 100
49 116.2 93.2 139.8
51 34.7 29.0 43.6
86 62.2 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 18.96 ug/l

RT: 5.05 min Scan# 1075

Delta R.T. 0.00 min

Lab File: VN050954.D

Acq: 30 Aug 2018 11:43

Instrument :
MSVOA_N
ClientSampleId :
VN0830WBS01

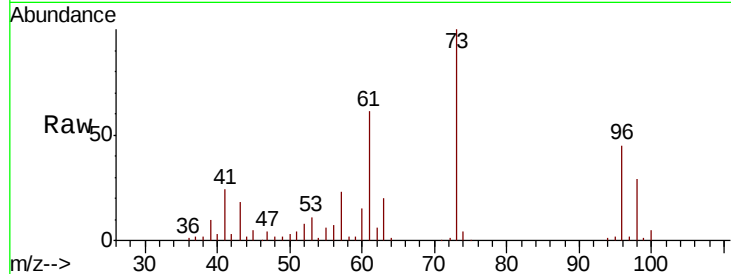
Tot Ion: 96 Resp: 134560

Ion Ratio Lower Upper

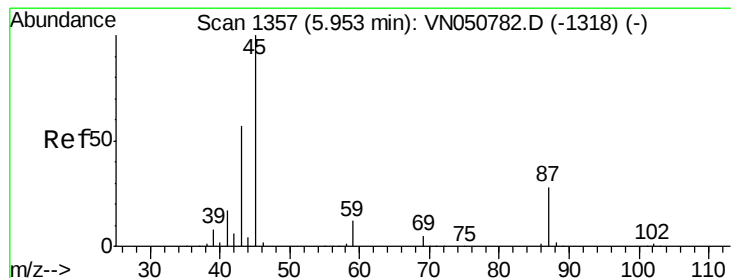
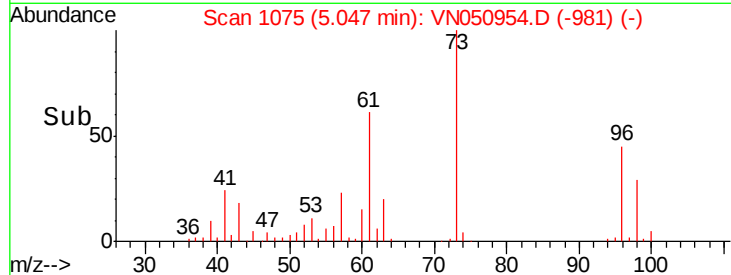
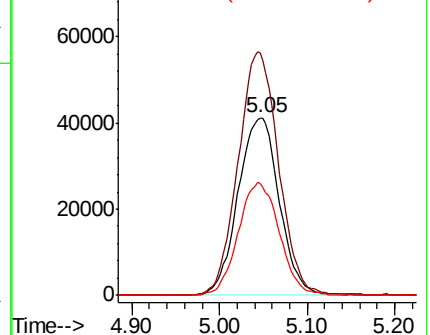
96 100

61 136.4 107.4 161.0

98 63.3 50.7 76.1



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



#22

Diisopropyl ether

Concen: 20.63 ug/l

RT: 5.96 min Scan# 1358

Delta R.T. 0.00 min

Lab File: VN050954.D

Acq: 30 Aug 2018 11:43

Tgt Ion: 45 Resp: 420440

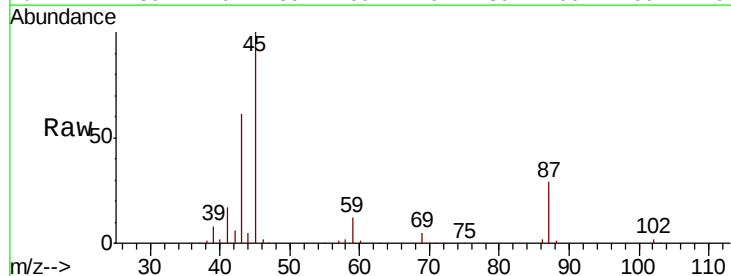
Ion Ratio Lower Upper

45 100

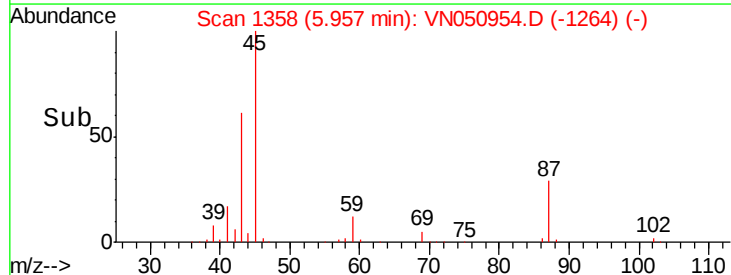
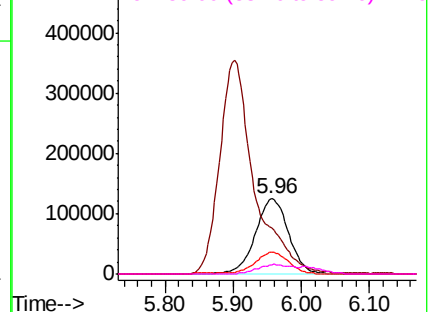
43 59.2 45.9 68.9

87 29.0 22.7 34.1

59 12.1 9.3 13.9



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





#23

Vinyl Acetate

Concen: 95.48 ug/l

RT: 5.90 min Scan# 1341

Delta R.T. 0.00 min

Lab File: VN050954.D

Acq: 30 Aug 2018 11:43

Instrument :

MSVOA_N

ClientSampleId :

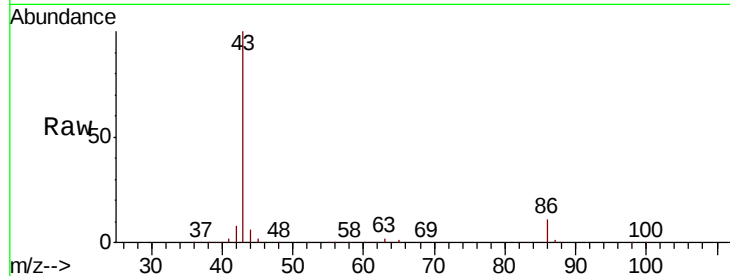
VN0830WBS01

Tot Ion: 43 Resp: 1252951

Ion Ratio Lower Upper

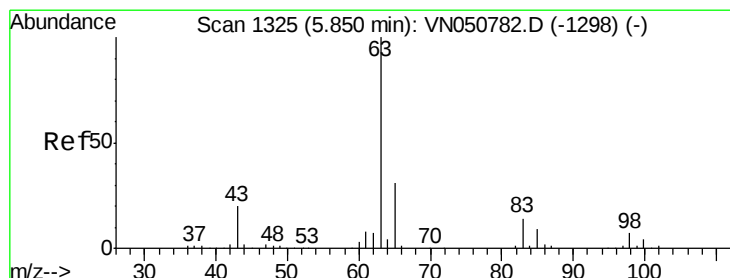
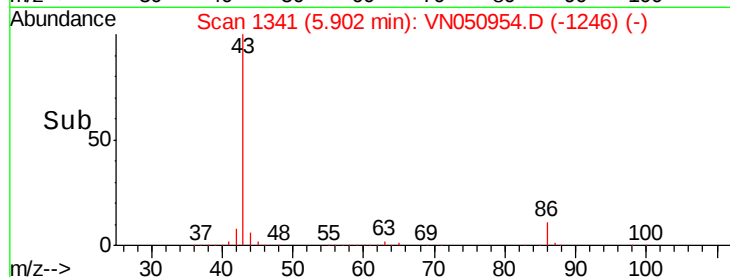
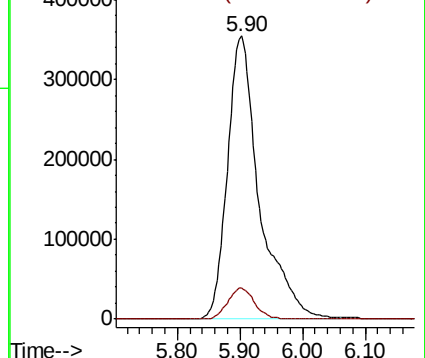
43 100

86 11.0 8.7 13.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 19.59 ug/l

RT: 5.85 min Scan# 1326

Delta R.T. 0.00 min

Lab File: VN050954.D

Acq: 30 Aug 2018 11:43

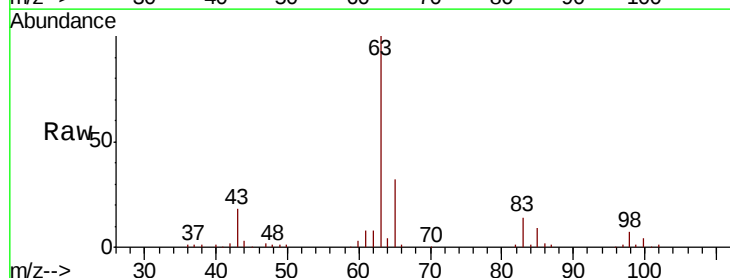
Tgt Ion: 63 Resp: 256237

Ion Ratio Lower Upper

63 100

98 6.5 3.3 9.8

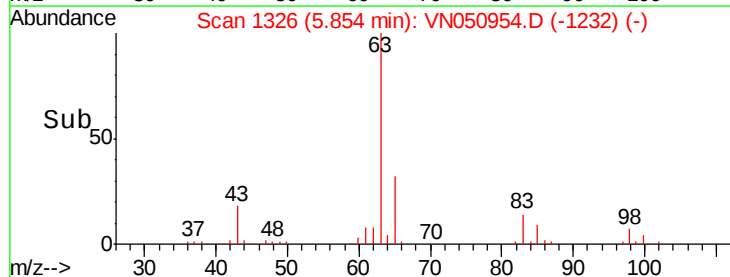
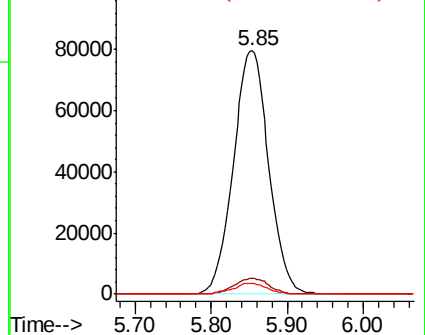
100 4.3 2.1 6.5

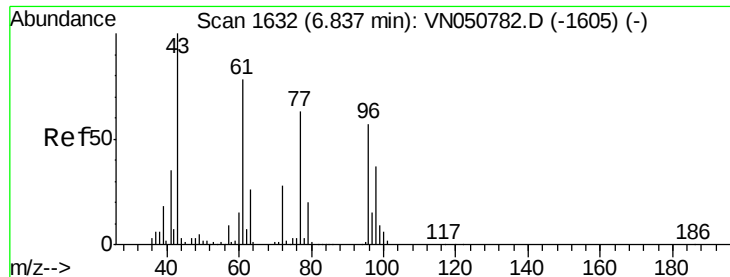


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

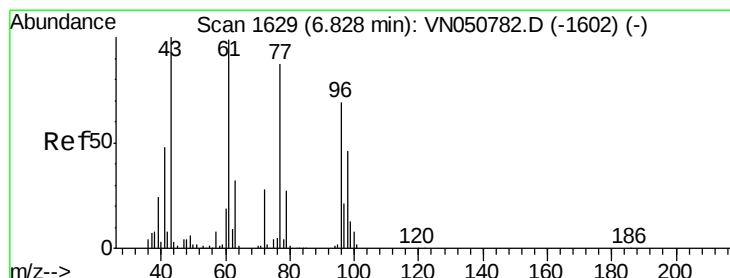
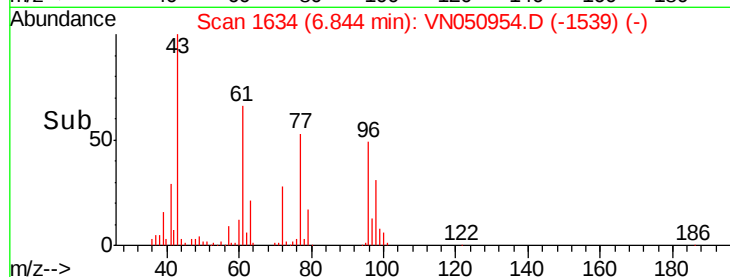
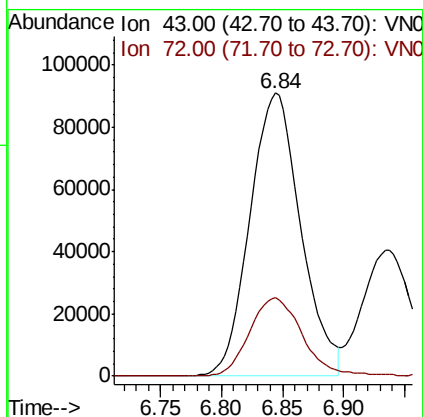
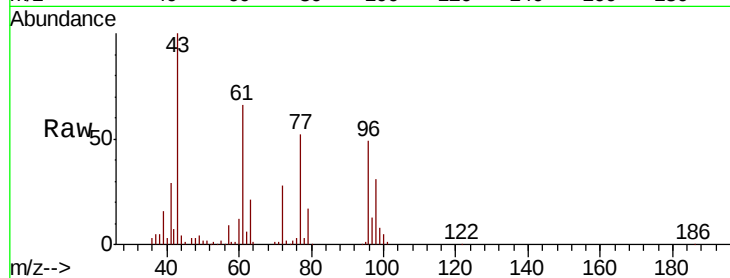




#25
 2-Butanone
 Concen: 92.34 ug/l
 RT: 6.84 min Scan# 1634
 Delta R.T. 0.01 min
 Lab File: VN050954.D
 Acq: 30 Aug 2018 11:43

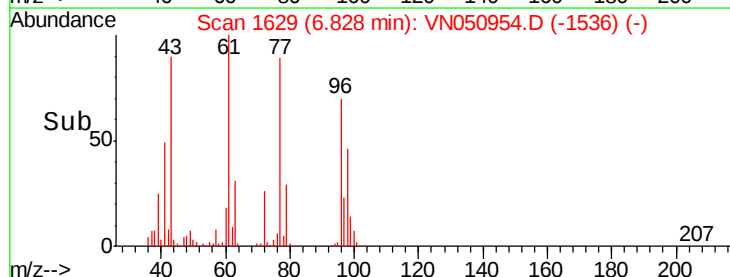
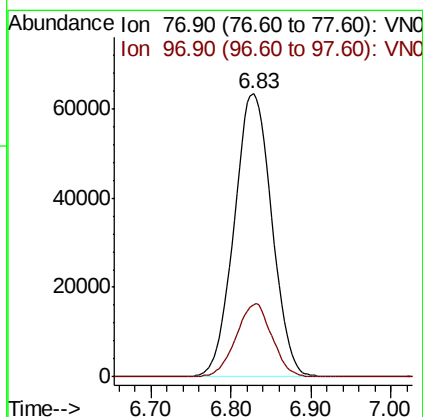
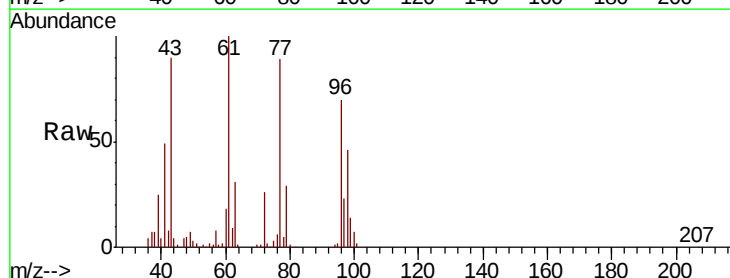
Instrument :
 MSVOA_N
 ClientSampled :
 VN0830WBS01

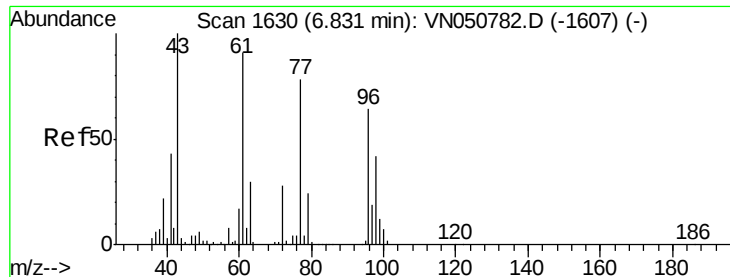
Tot Ion: 43 Resp: 261730
 Ion Ratio Lower Upper
 43 100
 72 27.6 22.3 33.5



#26
 2,2-Dichloropropane
 Concen: 19.19 ug/l
 RT: 6.83 min Scan# 1629
 Delta R.T. 0.00 min
 Lab File: VN050954.D
 Acq: 30 Aug 2018 11:43

Tgt Ion: 77 Resp: 201691
 Ion Ratio Lower Upper
 77 100
 97 24.7 12.0 36.0





#27

cis-1,2-Dichloroethene

Concen: 19.64 ug/l

RT: 6.83 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VN050954.D

Acq: 30 Aug 2018 11:43

Instrument :

MSVOA_N

ClientSampleId :

VN0830WBS01

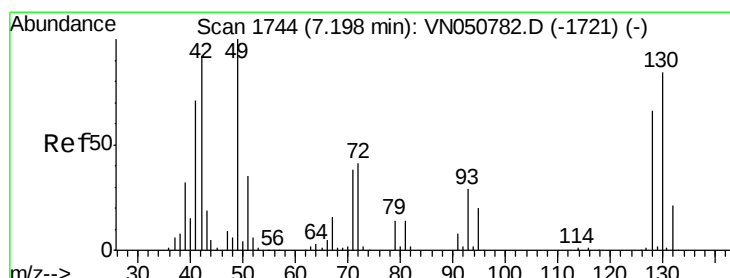
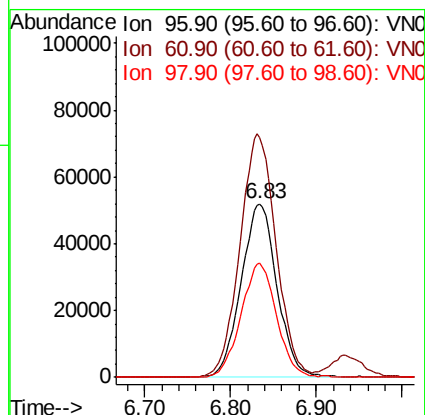
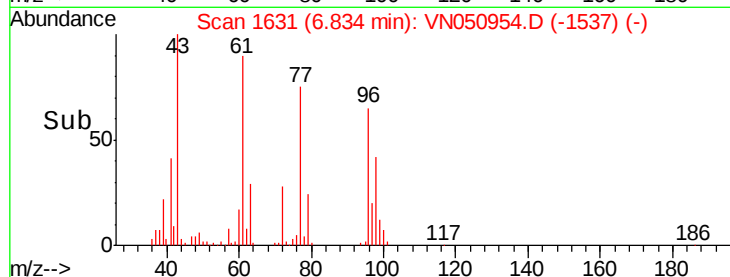
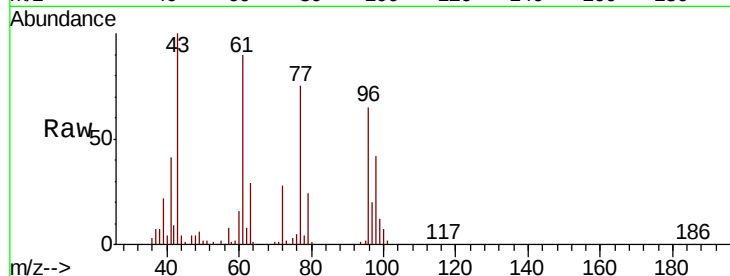
Tot Ion: 96 Resp: 150289

Ion Ratio Lower Upper

96 100

61 141.3 0.0 283.4

98 65.2 0.0 129.8



#28

Bromochloromethane

Concen: 19.41 ug/l

RT: 7.20 min Scan# 1744

Delta R.T. 0.00 min

Lab File: VN050954.D

Acq: 30 Aug 2018 11:43

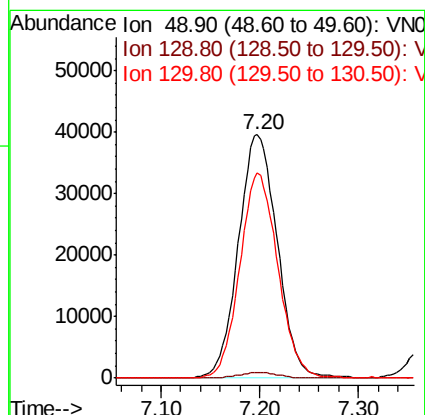
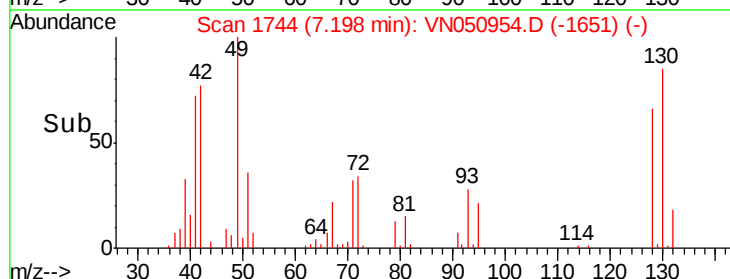
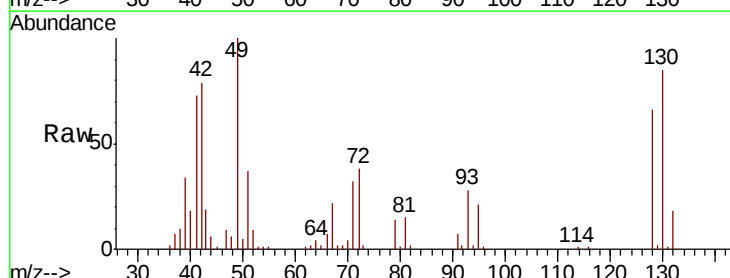
Tgt Ion: 49 Resp: 107916

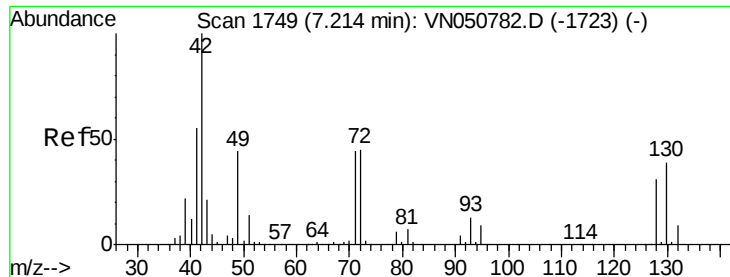
Ion Ratio Lower Upper

49 100

129 2.2 0.0 4.2

130 82.2 67.1 100.7





#29

Tetrahydrofuran

Concen: 105.57 ug/l

RT: 7.22 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VN050954.D

Acq: 30 Aug 2018 11:43

Instrument :

MSVOA_N

ClientSampled :

VN0830WBS01

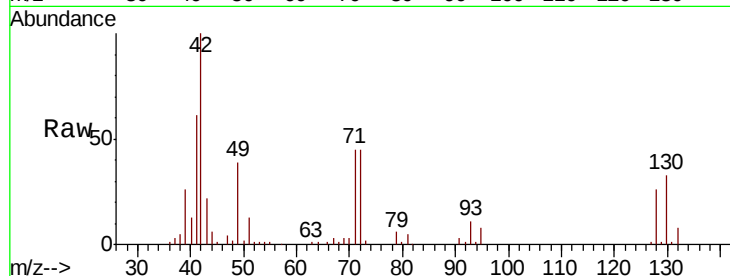
Tot Ion: 42 Resp: 171559

Ion Ratio Lower Upper

42 100

72 44.8 35.5 53.3

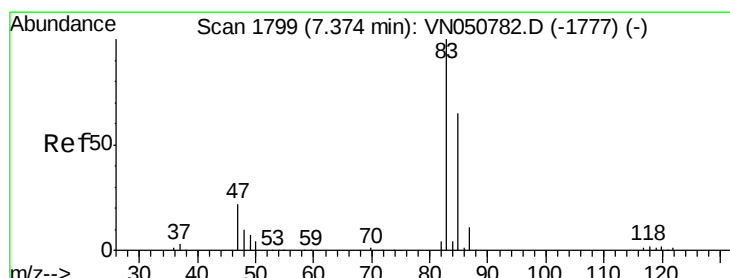
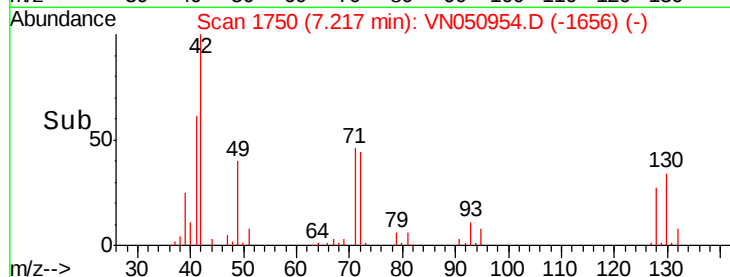
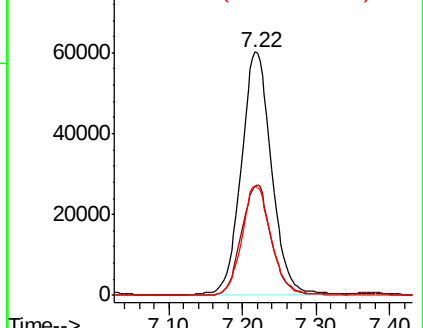
71 43.5 33.7 50.5



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 19.98 ug/l

RT: 7.37 min Scan# 1799

Delta R.T. 0.00 min

Lab File: VN050954.D

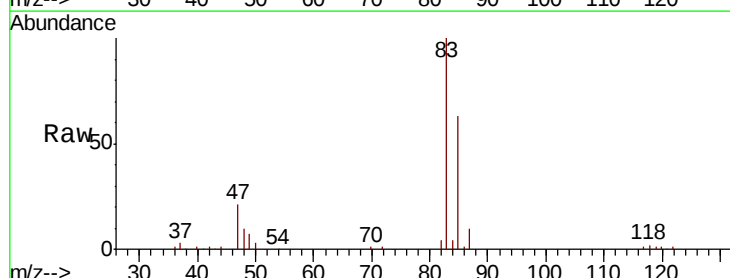
Acq: 30 Aug 2018 11:43

Tgt Ion: 83 Resp: 258890

Ion Ratio Lower Upper

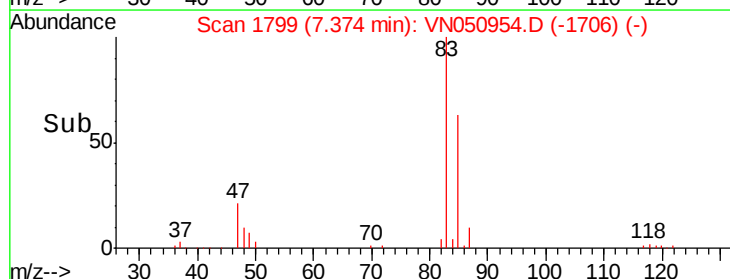
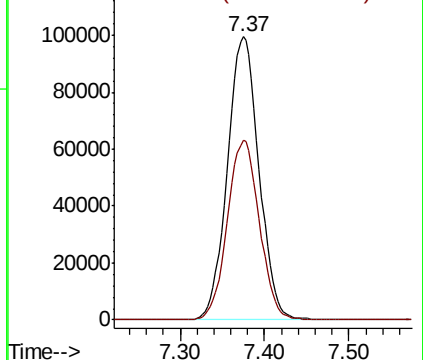
83 100

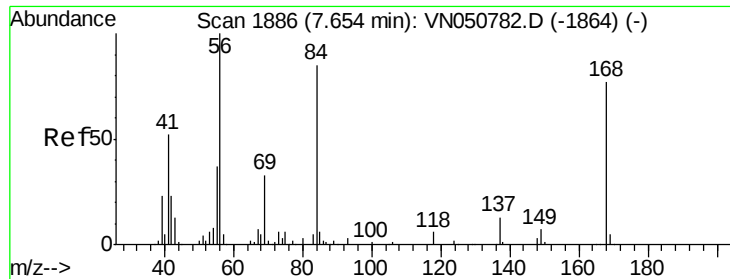
85 63.4 52.2 78.4



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

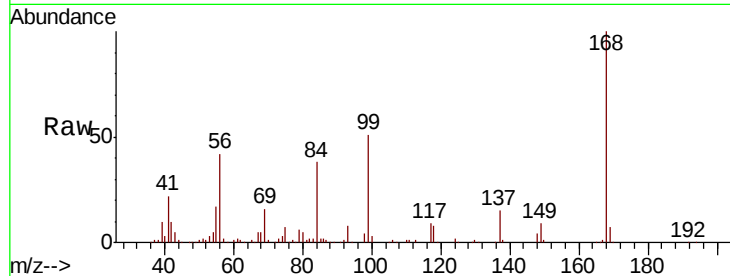




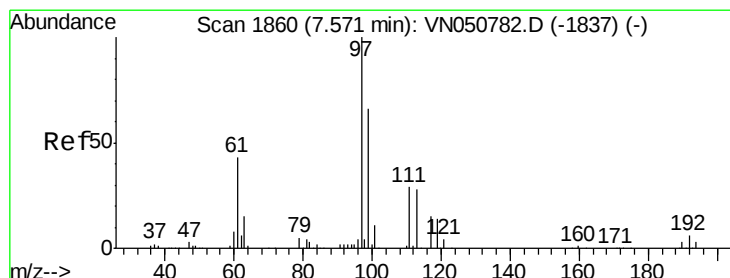
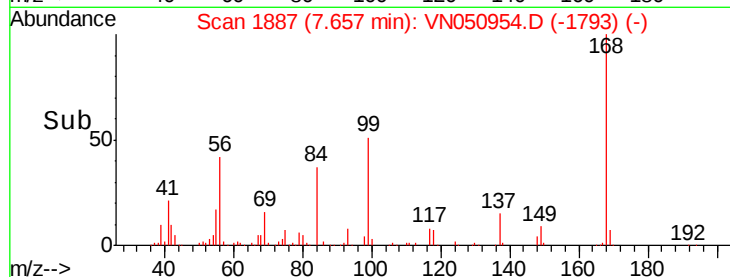
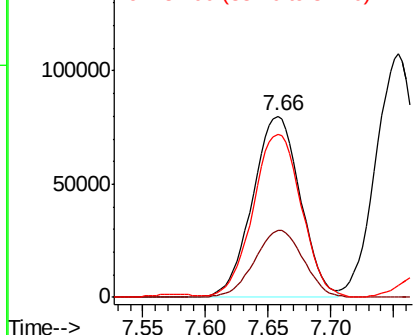
#31
Cvclohexane
Concen: 18.19 ug/l
RT: 7.66 min Scan# 1887
Delta R.T. 0.00 min
Lab File: VN050954.D
Acq: 30 Aug 2018 11:43

Instrument :
MSVOA_N
ClientSampleId :
VN0830WBS01

Tot Ion: 56 Resp: 212692
Ion Ratio Lower Upper
56 100
69 36.8 26.2 39.4
84 88.6 68.3 102.5

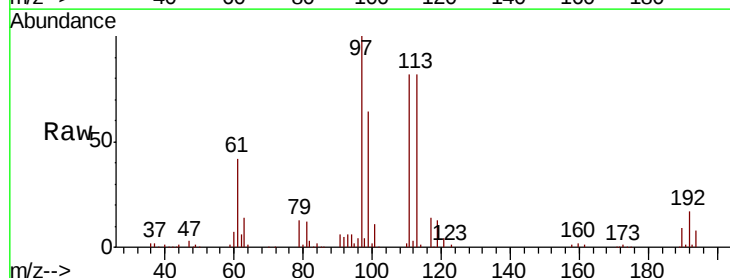


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

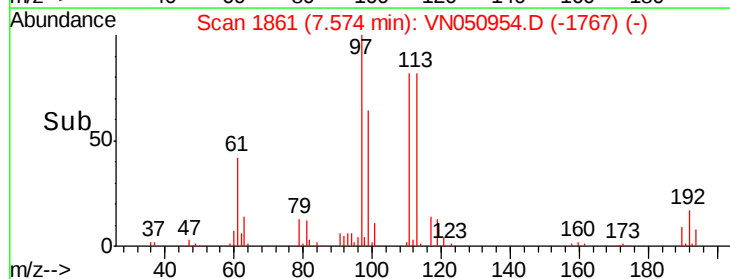
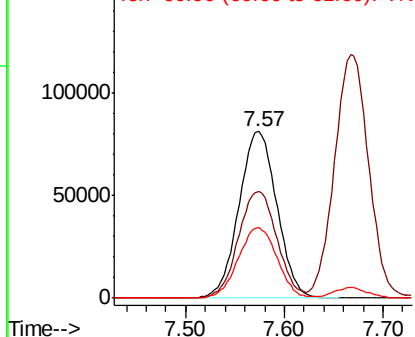


#32
1,1,1-Trichloroethane
Concen: 19.49 ug/l
RT: 7.57 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN050954.D
Acq: 30 Aug 2018 11:43

Tgt Ion: 97 Resp: 216835
Ion Ratio Lower Upper
97 100
99 65.1 51.8 77.6
61 43.2 34.9 52.3



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0

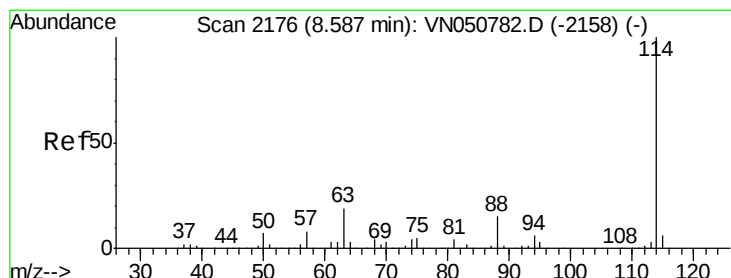
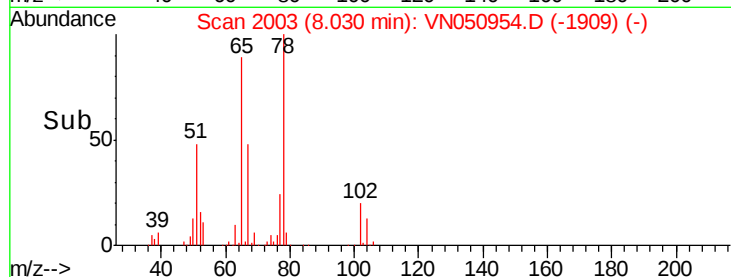
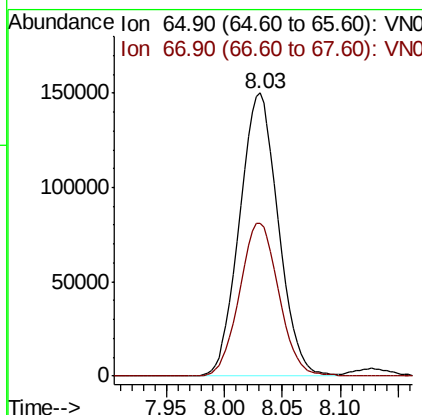
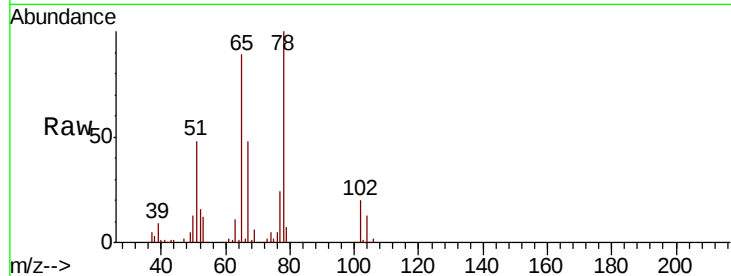




#33
 1,2-Dichloroethane-d4
 Concen: 49.62 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050954.D
 Acq: 30 Aug 2018 11:43

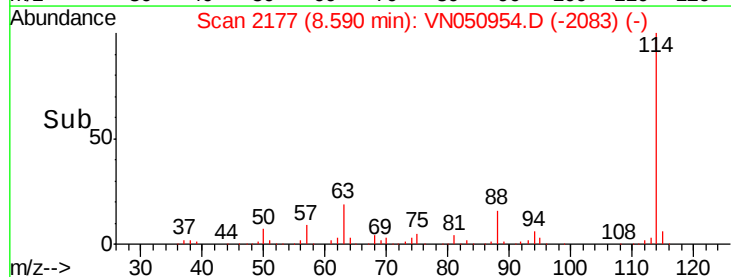
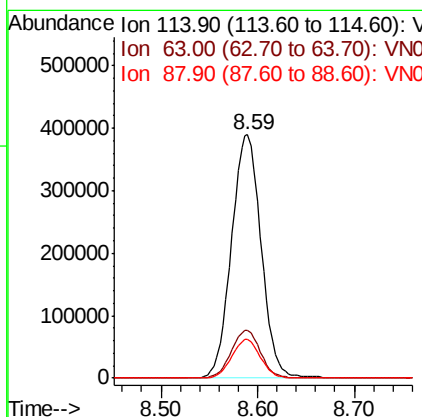
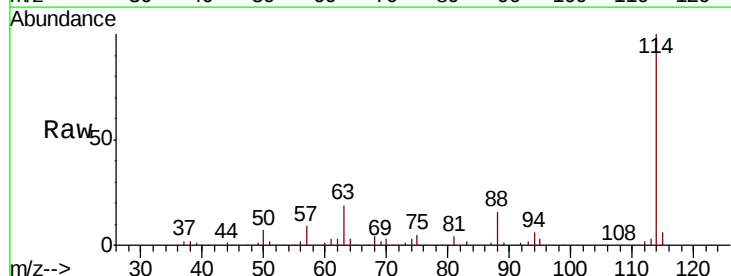
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0830WBS01

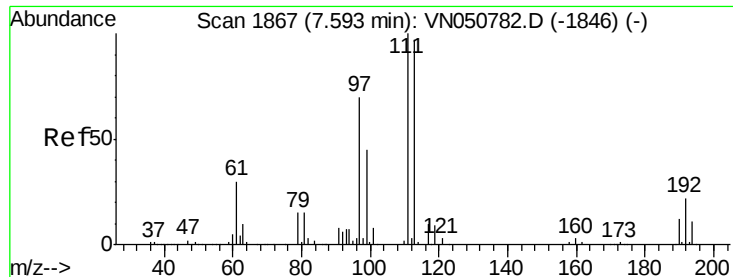
Tot Ion: 65 Resp: 349033
 Ion Ratio Lower Upper
 65 100
 67 54.9 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050954.D
 Acq: 30 Aug 2018 11:43

Tgt Ion: 114 Resp: 829316
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 38.6
 88 16.0 0.0 30.6

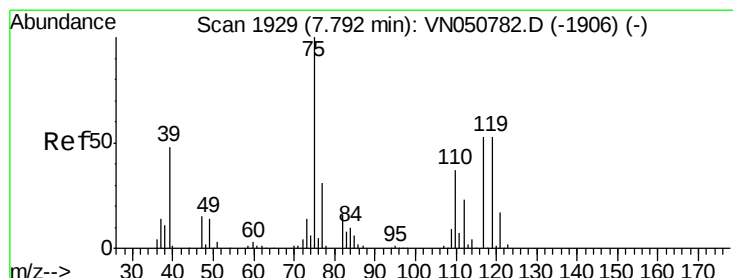
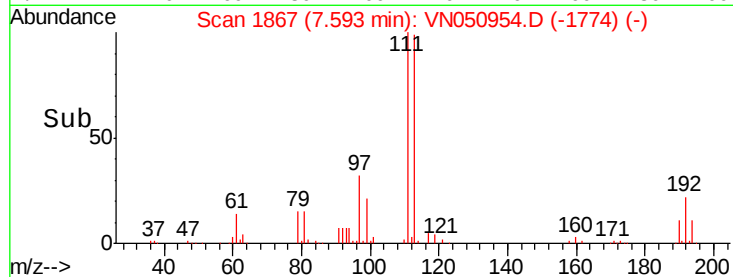
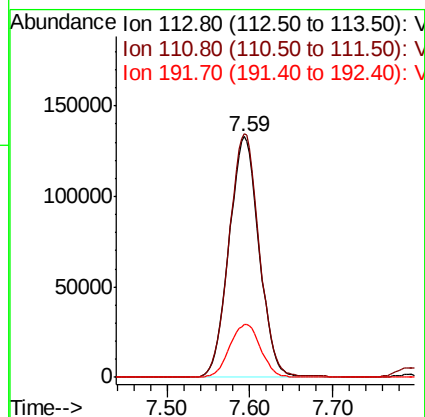
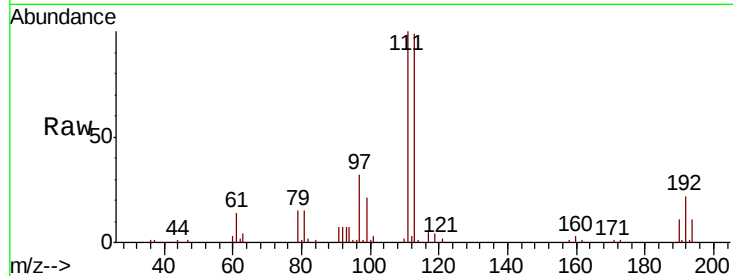




#35
 Dibromofluoromethane
 Concen: 50.89 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050954.D
 Acq: 30 Aug 2018 11:43

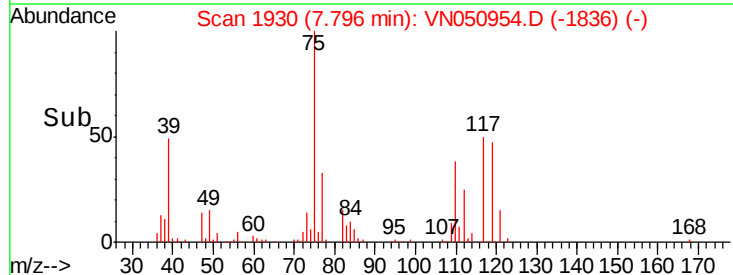
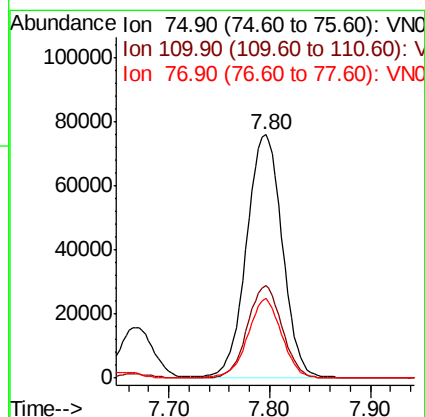
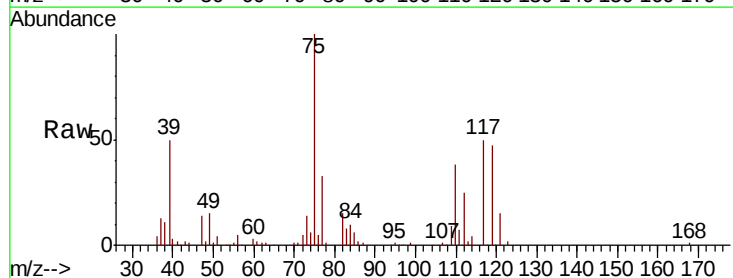
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0830WBS01

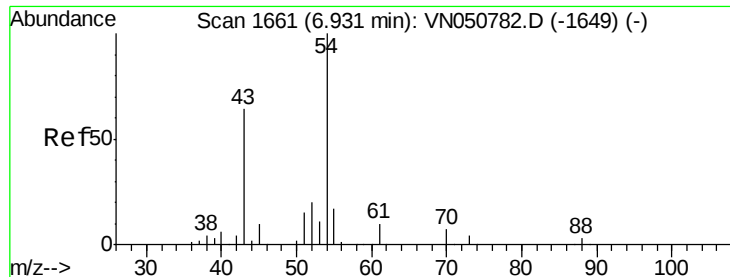
Tot Ion:113 Resp: 335761
 Ion Ratio Lower Upper
 113 100
 111 101.8 82.6 123.8
 192 22.6 18.0 27.0



#36
 1,1-Dichloropropene
 Concen: 19.00 ug/l
 RT: 7.80 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VN050954.D
 Acq: 30 Aug 2018 11:43

Tgt Ion: 75 Resp: 185936
 Ion Ratio Lower Upper
 75 100
 110 36.9 18.1 54.4
 77 31.1 24.8 37.2

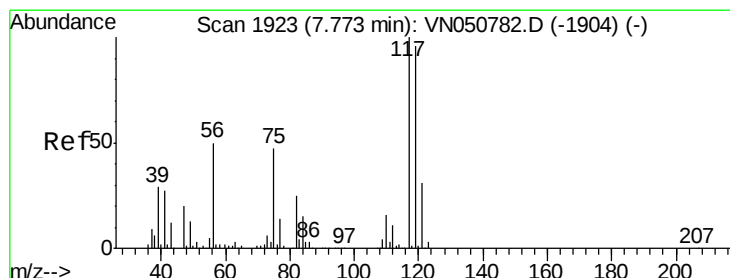
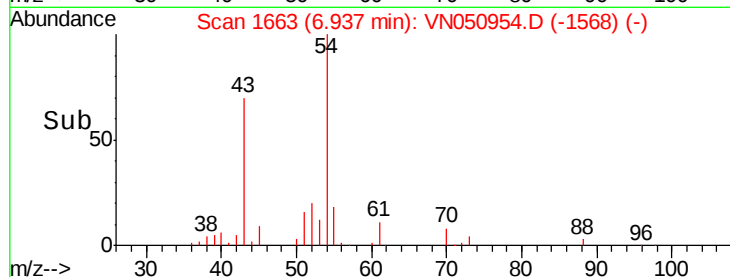
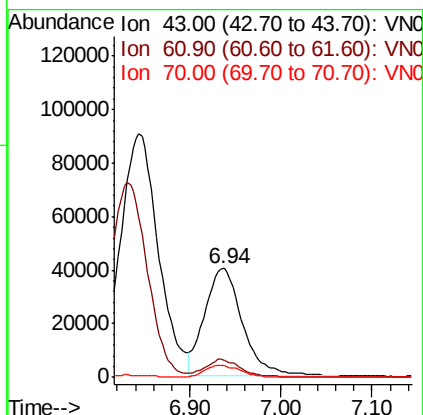
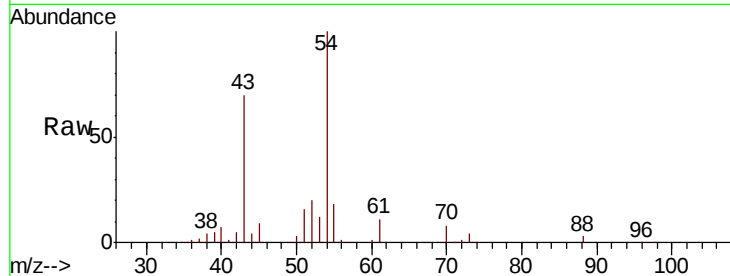




#37
Ethyl Acetate
Concen: 20.79 ug/l
RT: 6.94 min Scan# 1663
Delta R.T. 0.01 min
Lab File: VN050954.D
Acq: 30 Aug 2018 11:43

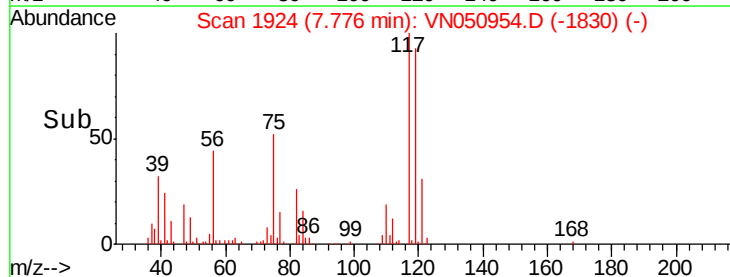
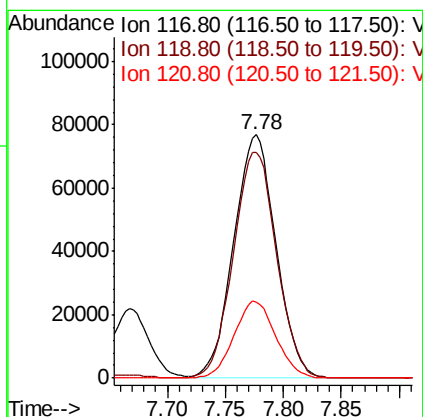
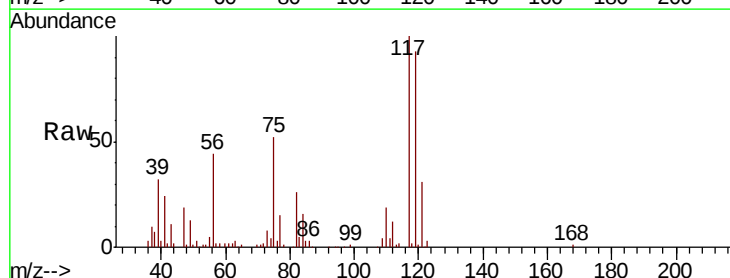
Instrument :
MSVOA_N
ClientSampleId :
VN0830WBS01

Tot Ion: 43 Resp: 116857
Ion Ratio Lower Upper
43 100
61 15.8 12.0 18.0
70 10.9 8.6 13.0



#38
Carbon Tetrachloride
Concen: 19.68 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VN050954.D
Acq: 30 Aug 2018 11:43

Tgt Ion: 117 Resp: 194651
Ion Ratio Lower Upper
117 100
119 92.8 76.3 114.5
121 31.4 24.6 36.8

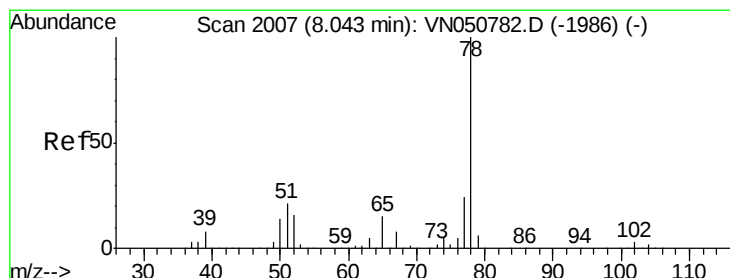
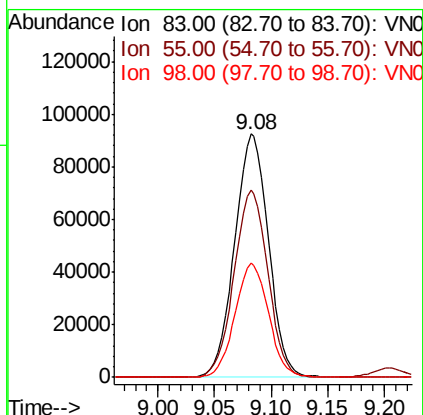
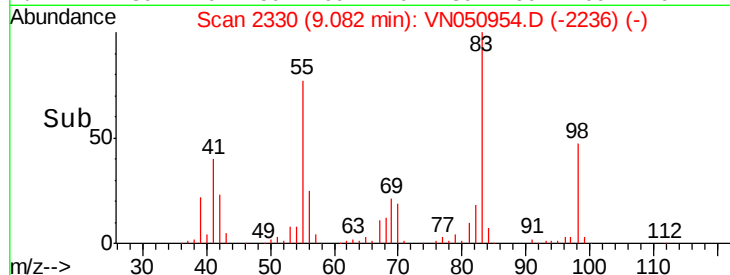
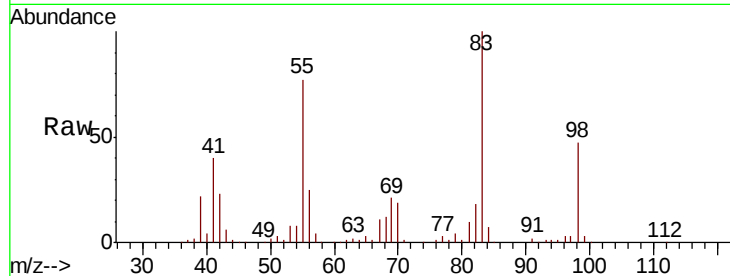




#39
Methvlcvclohexane
Concen: 18.23 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN050954.D
Acq: 30 Aug 2018 11:43

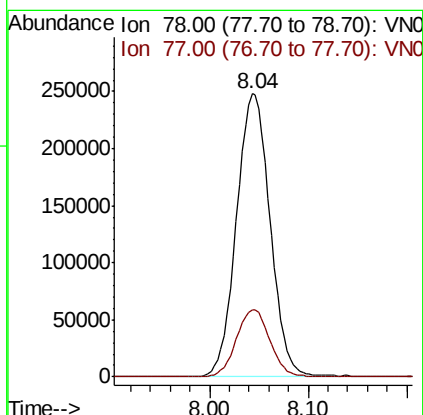
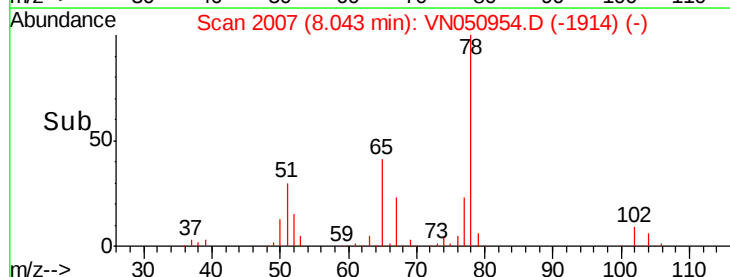
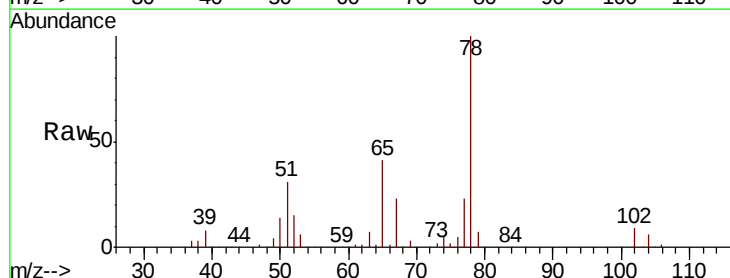
Instrument :
MSVOA_N
ClientSampleId :
VN0830WBS01

Tot Ion: 83 Resp: 193020
Ion Ratio Lower Upper
83 100
55 77.1 61.0 91.4
98 46.9 37.5 56.3



#40
Benzene
Concen: 19.86 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN050954.D
Acq: 30 Aug 2018 11:43

Tgt Ion: 78 Resp: 586060
Ion Ratio Lower Upper
78 100
77 23.5 19.0 28.4

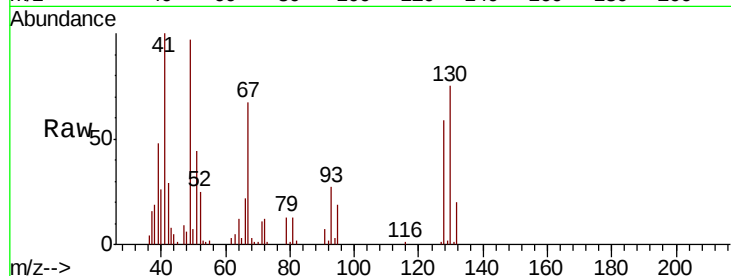




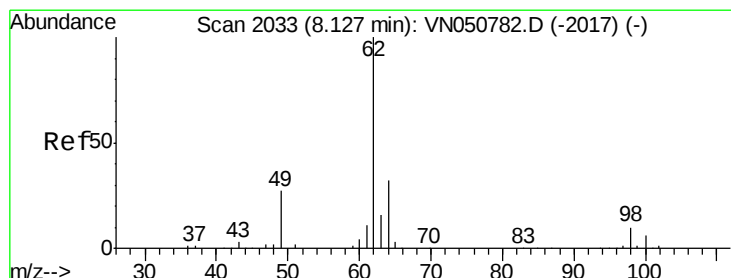
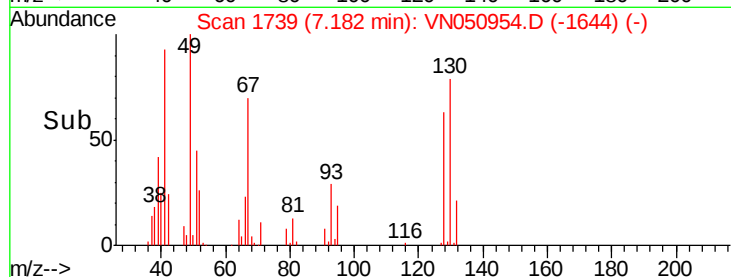
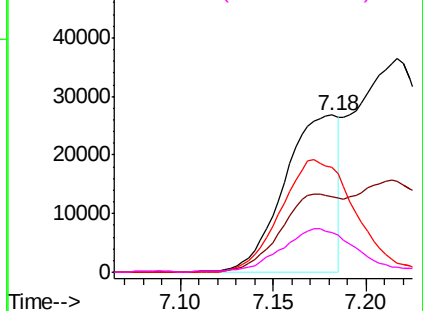
#41
Methacrylonitrile
Concen: 17.81 ug/l
RT: 7.18 min Scan# 1739
Delta R.T. 0.01 min
Lab File: VN050954.D
Acq: 30 Aug 2018 11:43

Instrument :
MSVOA_N
ClientSampled :
VN0830WBS01

Tot Ion:	41	Resp:	54184
Ion	Ratio	Lower	Upper
41	100		
39	56.1	45.4	68.0
67	100.5	70.6	106.0
52	39.3	27.1	40.7

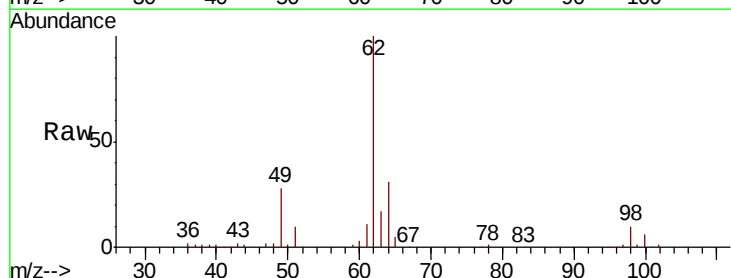


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

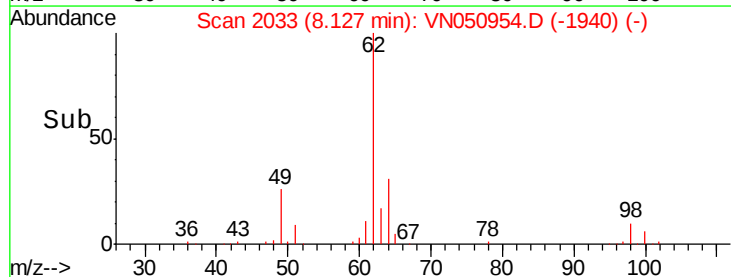
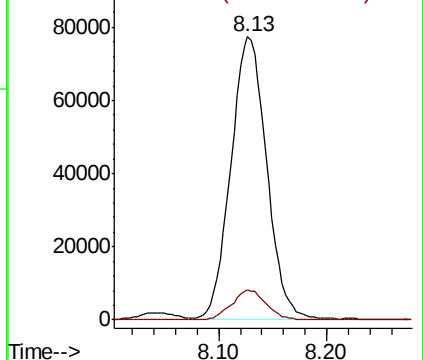


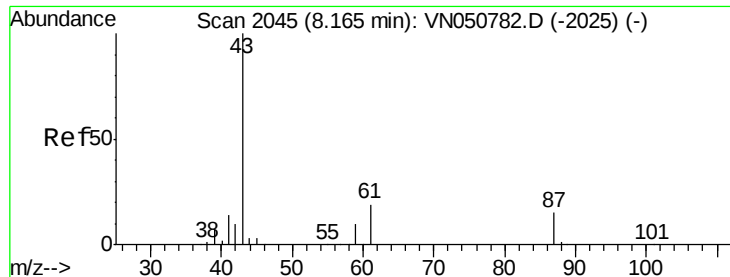
#42
1,2-Dichloroethane
Concen: 20.21 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN050954.D
Acq: 30 Aug 2018 11:43

Tgt Ion:	62	Resp:	178337
Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	19.6



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





#43

Isopropyl Acetate

Concen: 20.81 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN050954.D

Acq: 30 Aug 2018 11:43

Instrument :

MSVOA_N

ClientSampleId :

VN0830WBS01

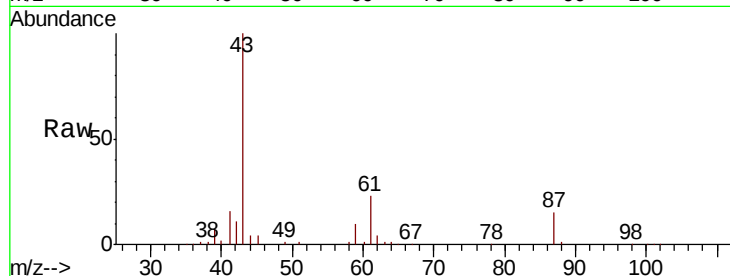
Tot Ion: 43 Resp: 201138

Ion Ratio Lower Upper

43 100

61 21.5 17.5 26.3

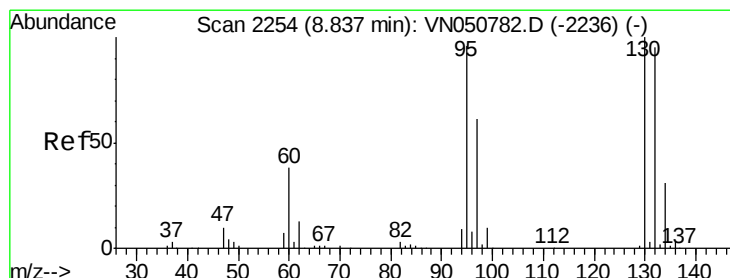
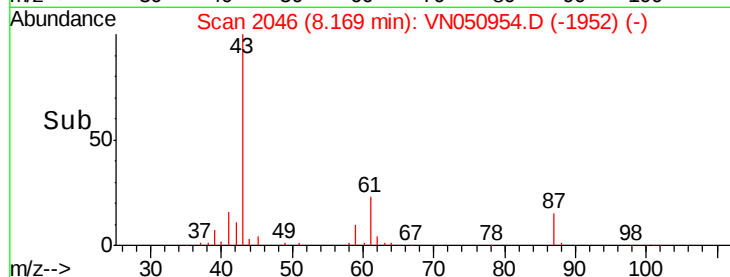
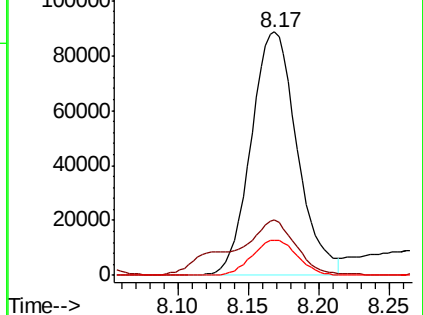
87 14.2 11.3 16.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#44

Trichloroethene

Concen: 19.79 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. 0.00 min

Lab File: VN050954.D

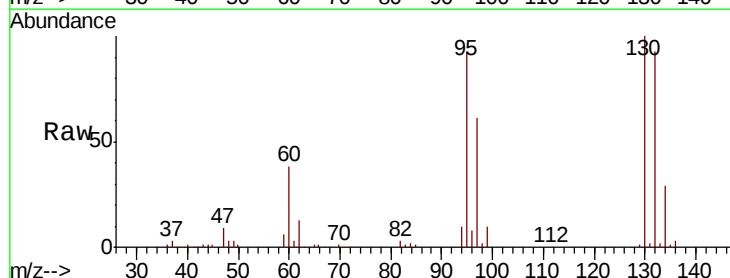
Acq: 30 Aug 2018 11:43

Tgt Ion:130 Resp: 154038

Ion Ratio Lower Upper

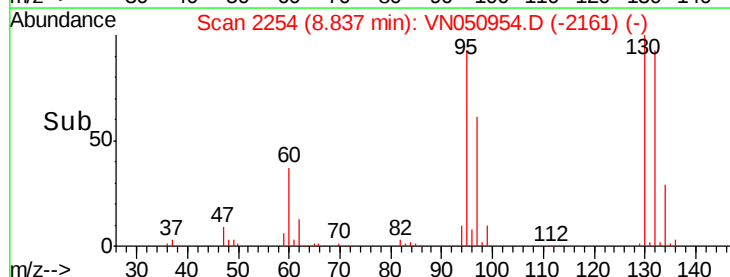
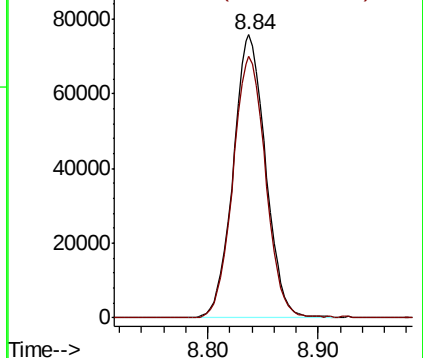
130 100

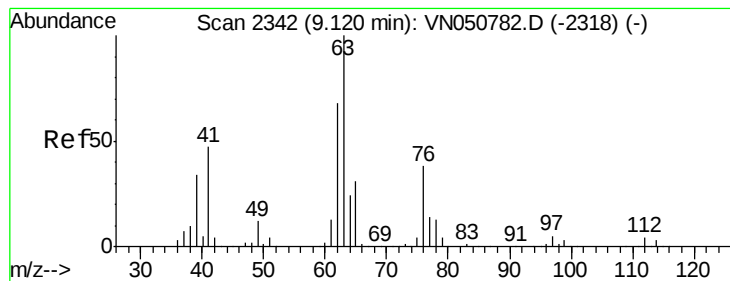
95 92.6 0.0 193.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0





#45

1,2-Dichloropropane

Concen: 19.90 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. 0.00 min

Lab File: VN050954.D

Acq: 30 Aug 2018 11:43

Instrument :

MSVOA_N

ClientSampleId :

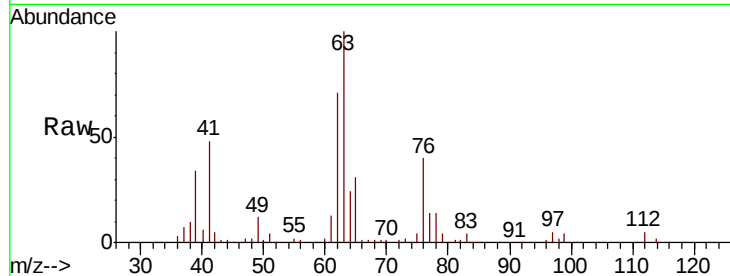
VN0830WBS01

Tot Ion: 63 Resp: 154345

Ion Ratio Lower Upper

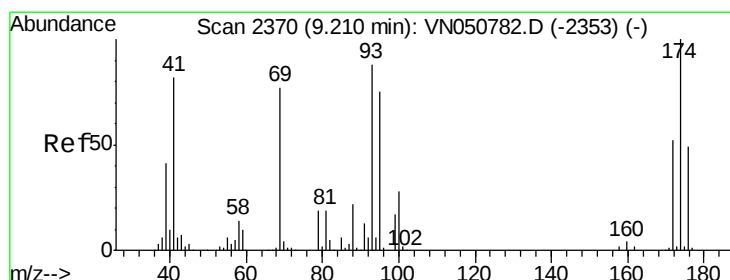
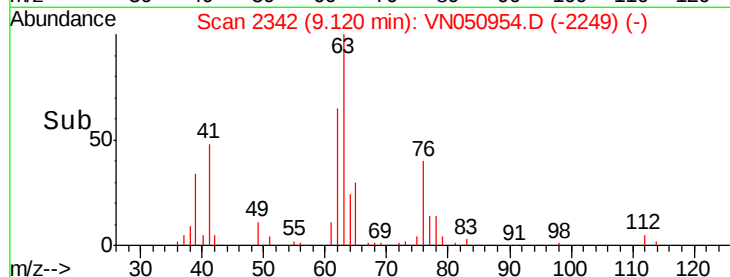
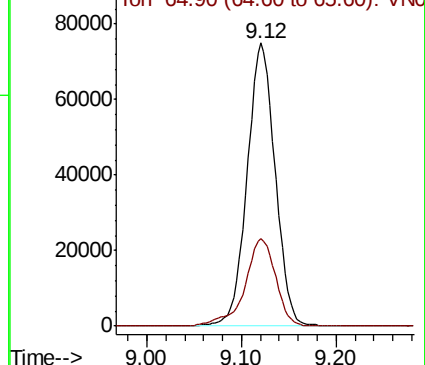
63 100

65 30.9 25.0 37.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 20.33 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN050954.D

Acq: 30 Aug 2018 11:43

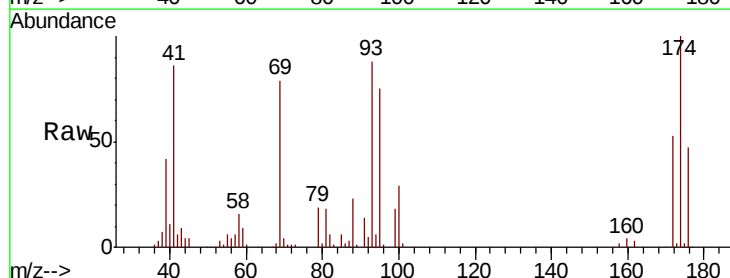
Tgt Ion: 93 Resp: 92645

Ion Ratio Lower Upper

93 100

95 84.3 66.7 100.1

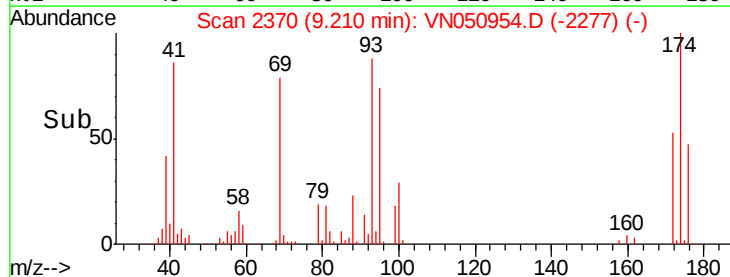
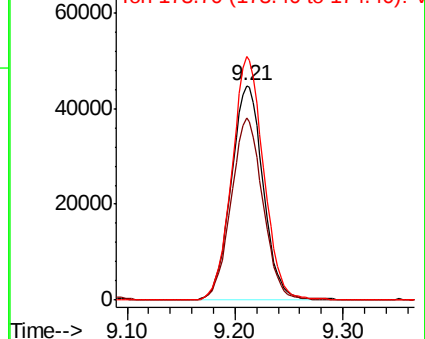
174 111.8 89.8 134.6



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: 20.50 ug/l

RT: 9.41 min Scan# 2431

Delta R.T. 0.00 min

Lab File: VN050954.D

Acq: 30 Aug 2018 11:43

Instrument :

MSVOA_N

ClientSampleId :

VN0830WBS01

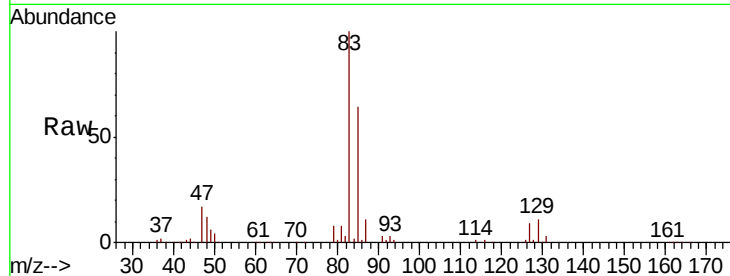
Tot Ion: 83 Resp: 195711

Ion Ratio Lower Upper

83 100

85 64.1 52.6 78.8

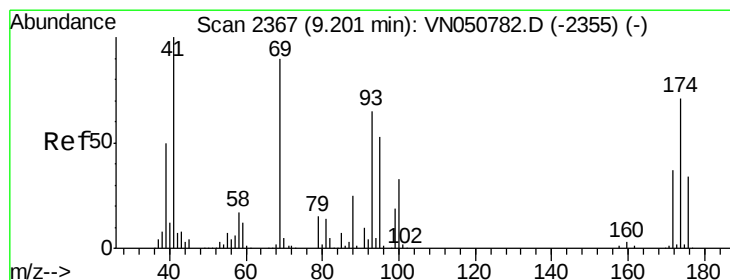
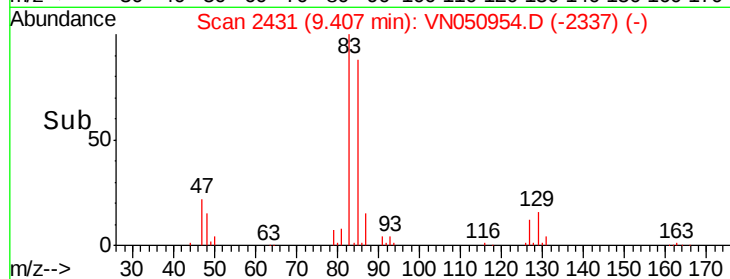
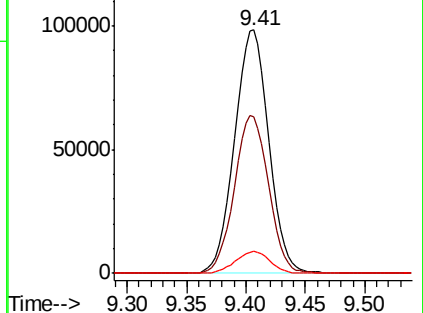
127 9.0 7.2 10.8



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): V



#48

Methyl methacrylate

Concen: 20.60 ug/l

RT: 9.20 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN050954.D

Acq: 30 Aug 2018 11:43

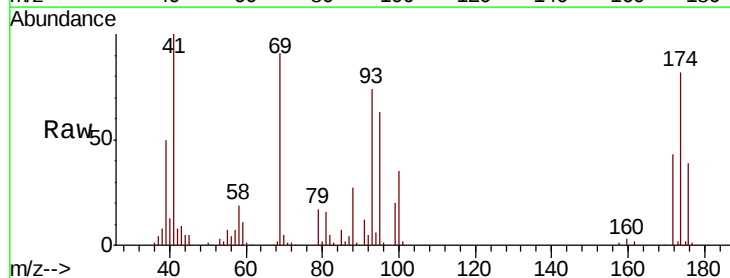
Tgt Ion: 41 Resp: 101481

Ion Ratio Lower Upper

41 100

69 93.7 74.7 112.1

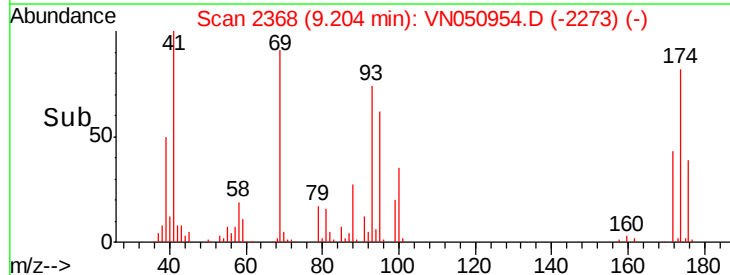
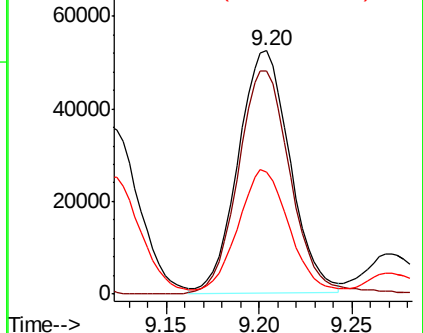
39 50.2 42.2 63.2



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: 426.59 ug/l

RT: 9.20 min Scan# 2367

Delta R.T. 0.00 min

Lab File: VN050954.D

Acq: 30 Aug 2018 11:43

Instrument :

MSVOA_N

ClientSampled :

VN0830WBS01

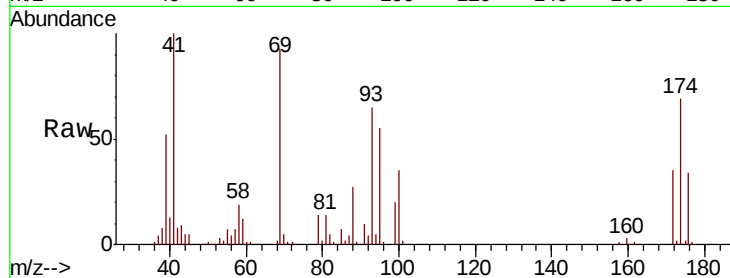
Tot Ion: 88 Resp: 28646

Ion Ratio Lower Upper

88 100

43 31.9 25.9 38.9

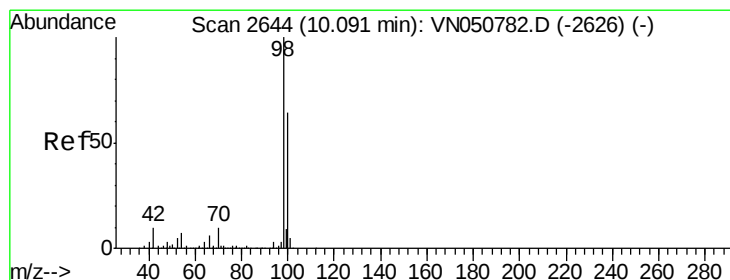
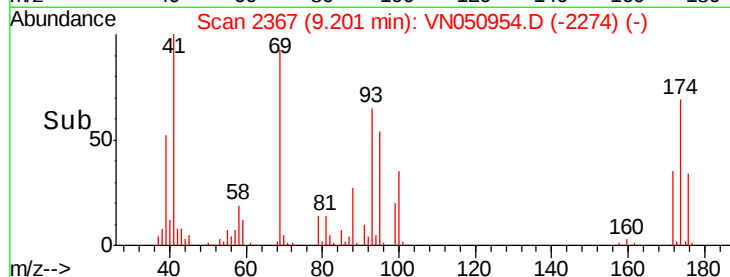
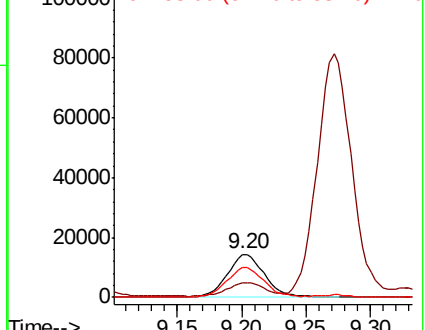
58 70.4 55.0 82.4



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: 49.85 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VN050954.D

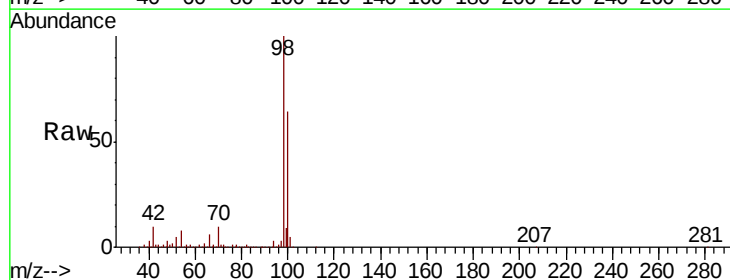
Acq: 30 Aug 2018 11:43

Tgt Ion: 98 Resp: 1229753

Ion Ratio Lower Upper

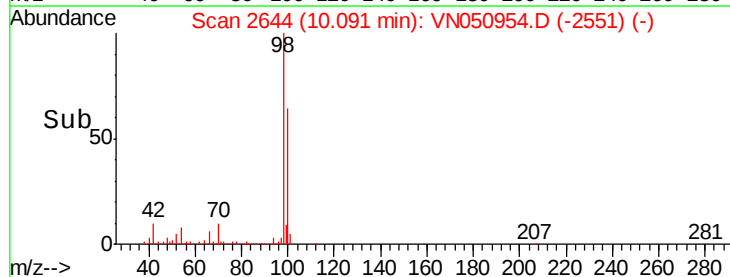
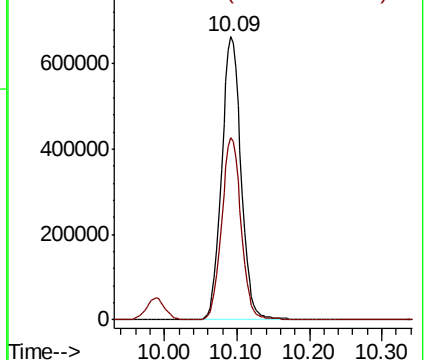
98 100

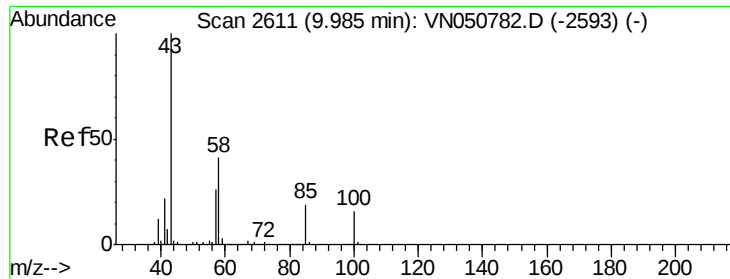
100 64.4 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

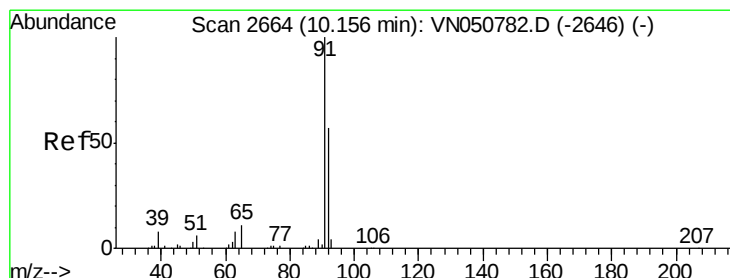
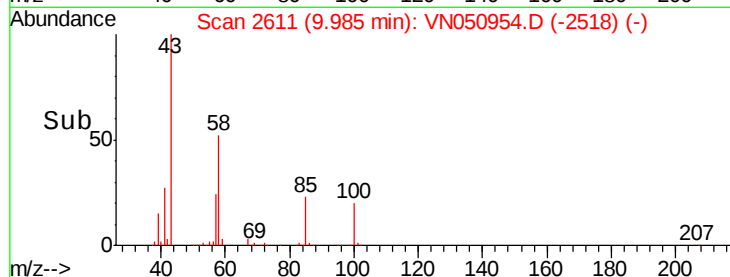
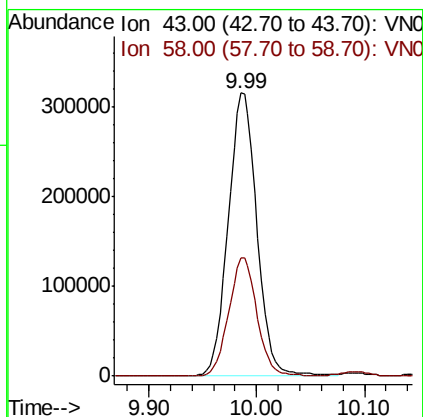
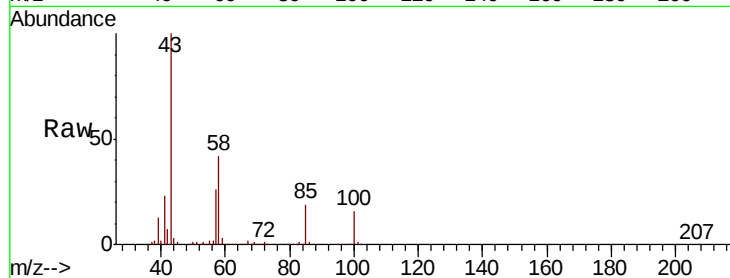




#51
 4-Methyl-2-Pentanone
 Concen: 101.21 ug/l
 RT: 9.99 min Scan# 2611
 Delta R.T. 0.00 min
 Lab File: VN050954.D
 Acq: 30 Aug 2018 11:43

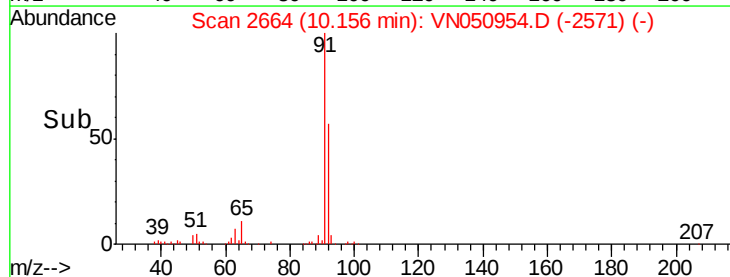
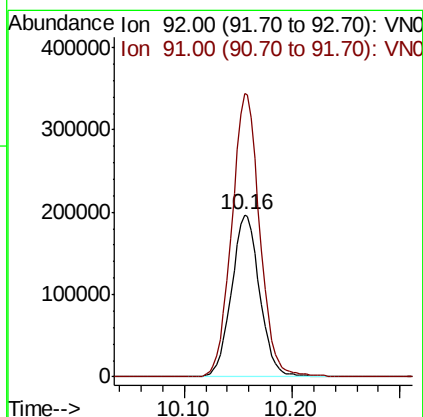
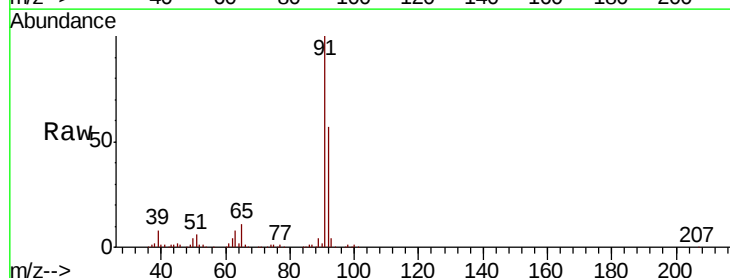
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0830WBS01

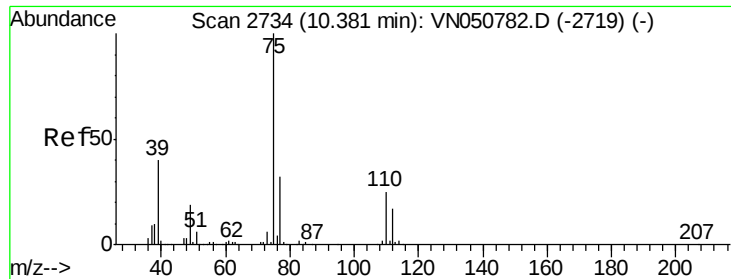
Tot Ion: 43 Resp: 583799
 Ion Ratio Lower Upper
 43 100
 58 41.2 32.4 48.6



#52
 Toluene
 Concen: 20.53 ug/l
 RT: 10.16 min Scan# 2664
 Delta R.T. 0.00 min
 Lab File: VN050954.D
 Acq: 30 Aug 2018 11:43

Tgt Ion: 92 Resp: 358860
 Ion Ratio Lower Upper
 92 100
 91 174.2 140.6 211.0





#53

t-1,3-Dichloropropene

Concen: 19.30 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN050954.D

Acq: 30 Aug 2018 11:43

Instrument :

MSVOA_N

ClientSampleId :

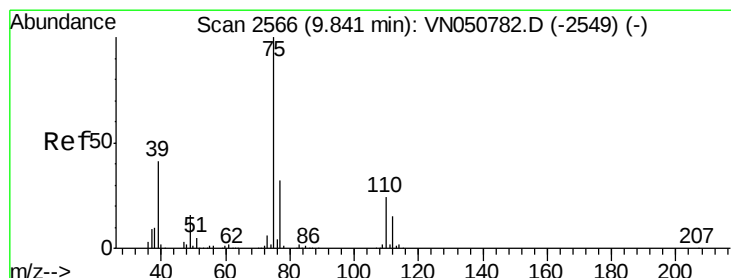
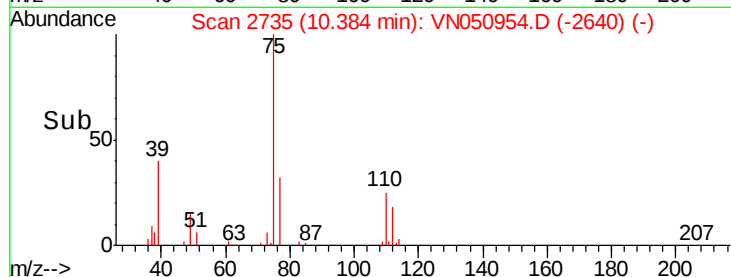
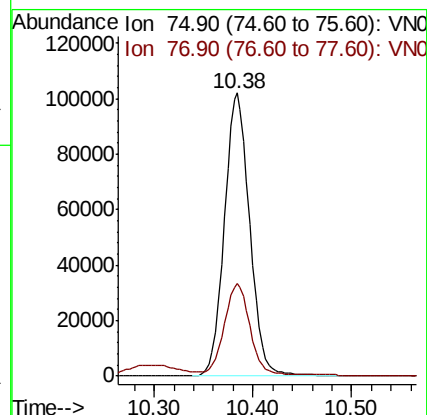
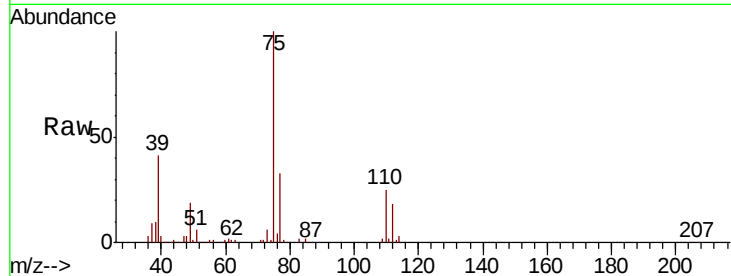
VN0830WBS01

Tot Ion: 75 Resp: 183391

Ion Ratio Lower Upper

75 100

77 32.3 25.7 38.5



#54

cis-1,3-Dichloropropene

Concen: 19.97 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VN050954.D

Acq: 30 Aug 2018 11:43

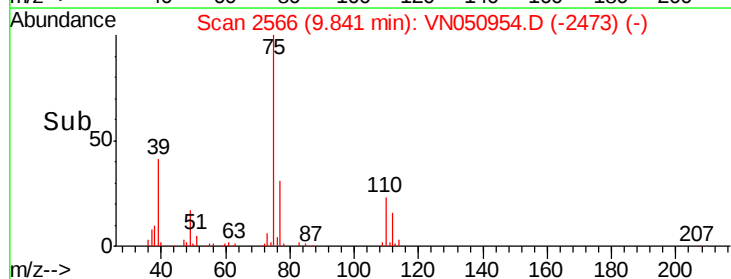
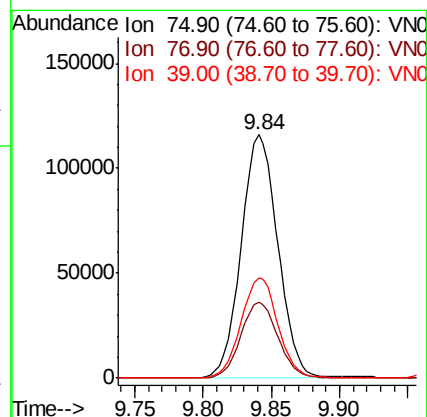
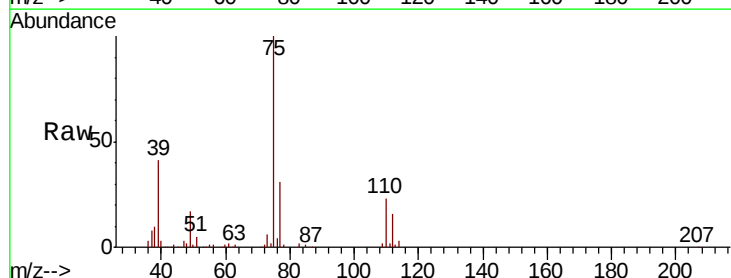
Tgt Ion: 75 Resp: 217237

Ion Ratio Lower Upper

75 100

77 31.3 25.4 38.2

39 41.1 33.0 49.4





#55

1,1,2-Trichloroethane

Concen: 20.58 ug/l

RT: 10.56 min Scan# 2791

Delta R.T. 0.00 min

Lab File: VN050954.D

Acq: 30 Aug 2018 11:43

Instrument :

MSVOA_N

ClientSampleId :

VN0830WBS01

Tot Ion: 97 Resp: 133501

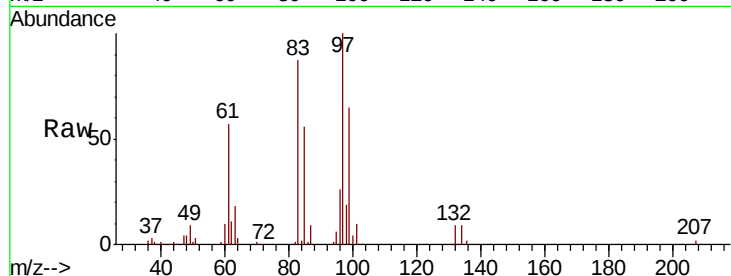
Ion	Ratio	Lower	Upper
97	100		
83	86.7	69.7	104.5
85	56.4	44.5	66.7
99	65.2	50.7	76.1

97 100

83 86.7 69.7 104.5

85 56.4 44.5 66.7

99 65.2 50.7 76.1



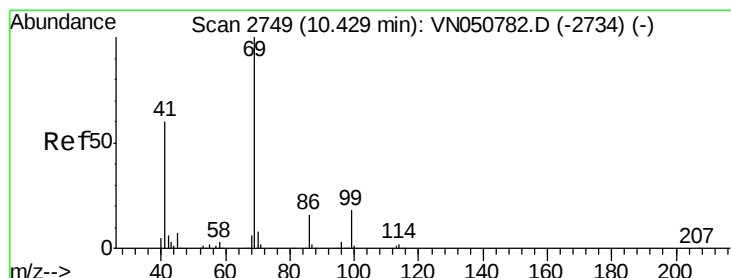
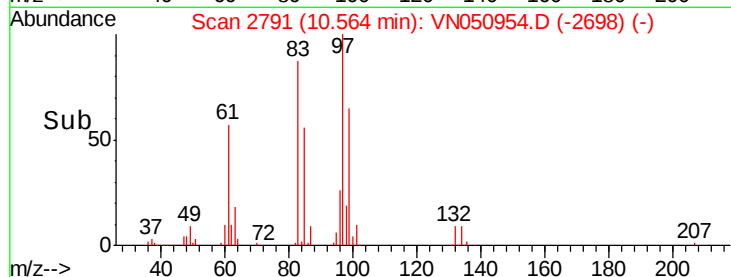
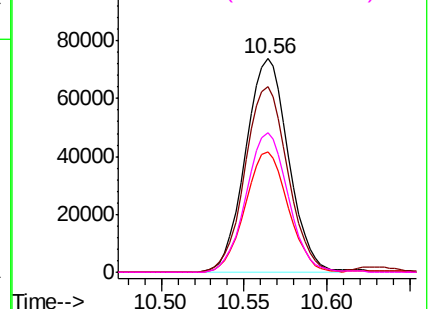
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 19.37 ug/l

RT: 10.43 min Scan# 2749

Delta R.T. 0.00 min

Lab File: VN050954.D

Acq: 30 Aug 2018 11:43

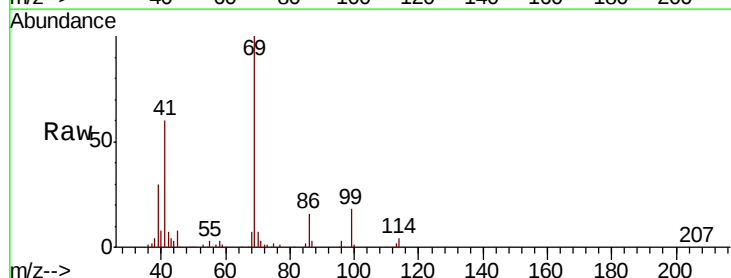
Tgt Ion: 69 Resp: 150712

Ion	Ratio	Lower	Upper
69	100		
41	59.8	48.3	72.5
39	29.9	24.0	36.0

69 100

41 59.8 48.3 72.5

39 29.9 24.0 36.0

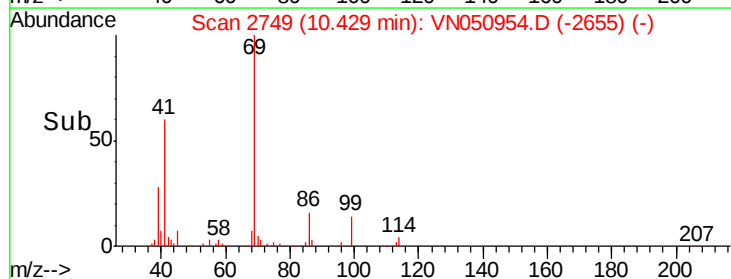
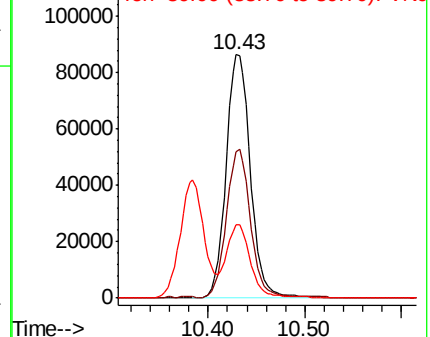


Abundance

Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

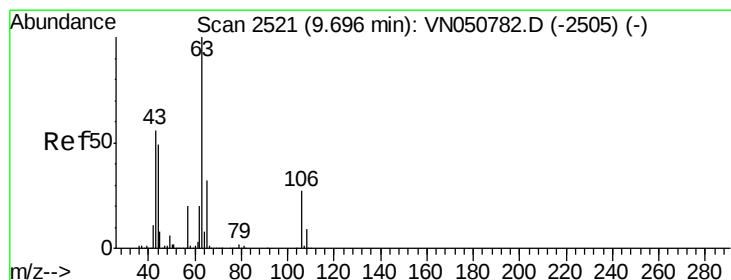
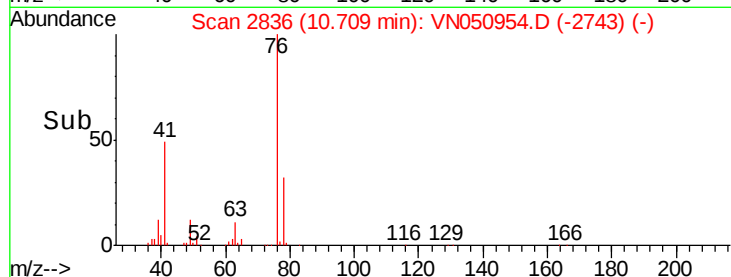
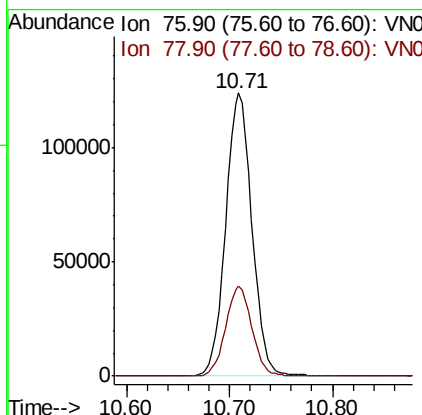
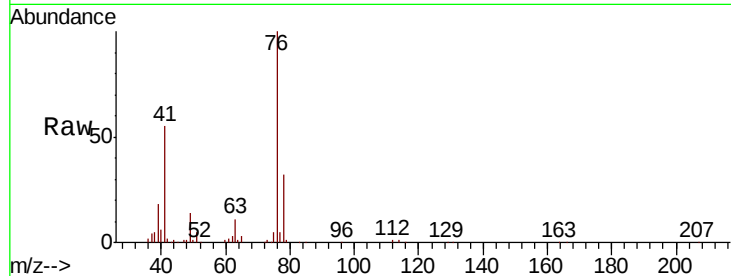




#57
 1,3-Dichloropropane
 Concen: 20.53 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. 0.00 min
 Lab File: VN050954.D
 Acq: 30 Aug 2018 11:43

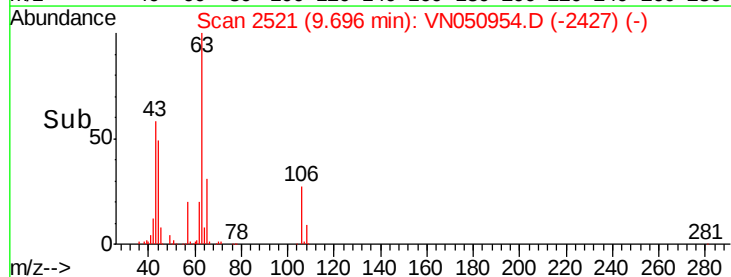
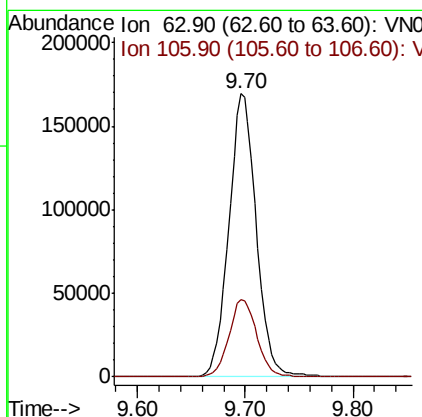
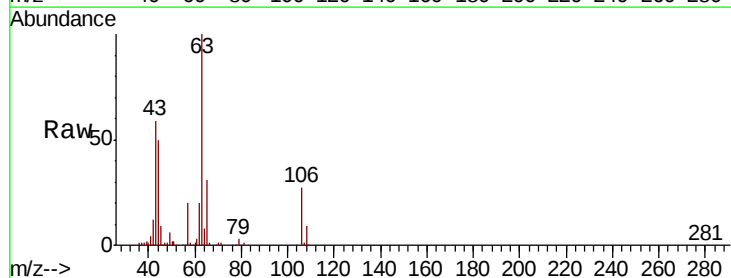
Instrument :
 MSVOA_N
 ClientSampled :
 VN0830WBS01

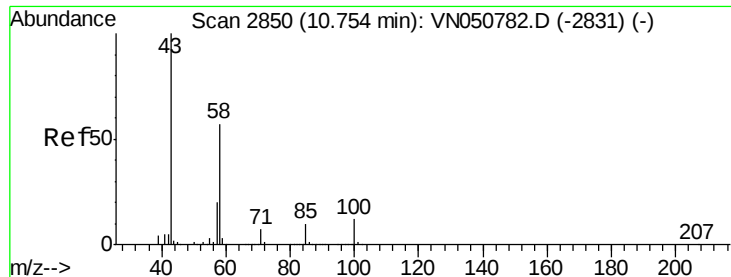
Tot Ion: 76 Resp: 219818
 Ion Ratio Lower Upper
 76 100
 78 31.9 25.5 38.3



#58
 2-Chloroethyl Vinyl ether
 Concen: 89.74 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. 0.00 min
 Lab File: VN050954.D
 Acq: 30 Aug 2018 11:43

Tgt Ion: 63 Resp: 300189
 Ion Ratio Lower Upper
 63 100
 106 27.8 21.9 32.9

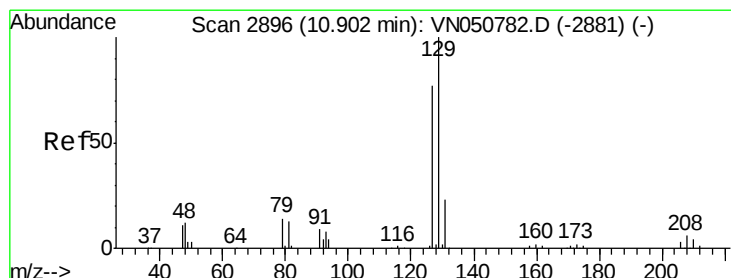
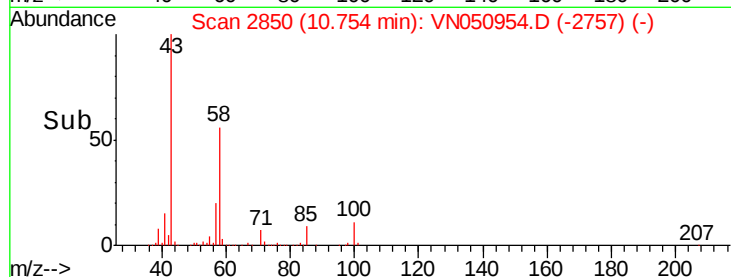
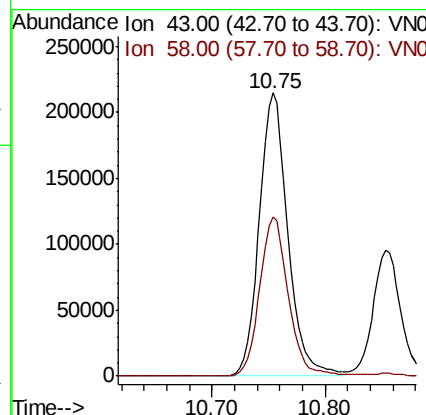
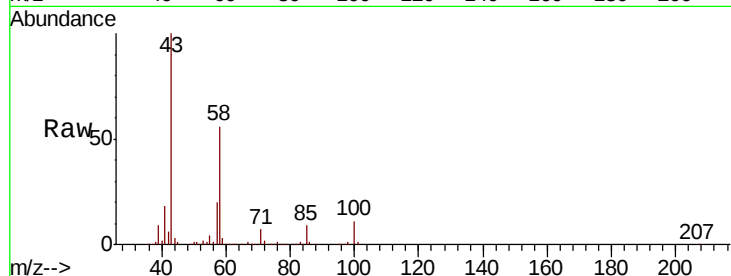




#59
2-Hexanone
Concen: 97.87 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN050954.D
Acq: 30 Aug 2018 11:43

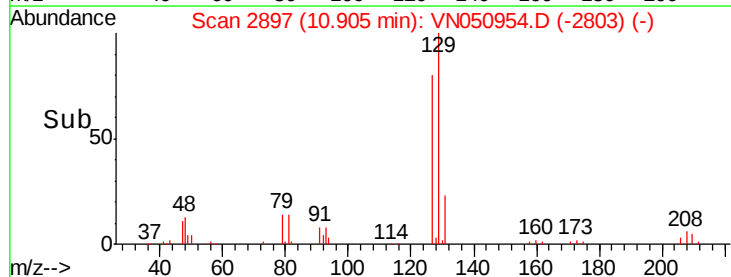
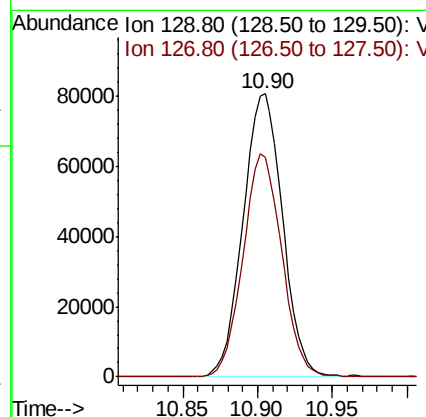
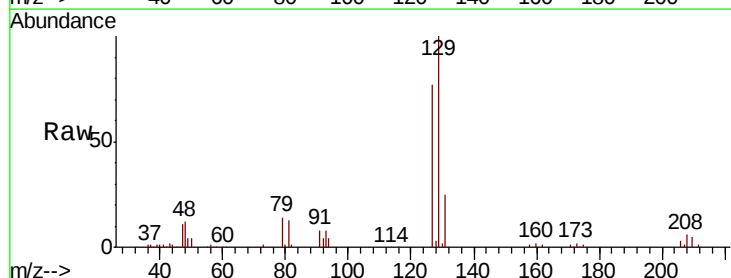
Instrument :
MSVOA_N
ClientSampleId :
VN0830WBS01

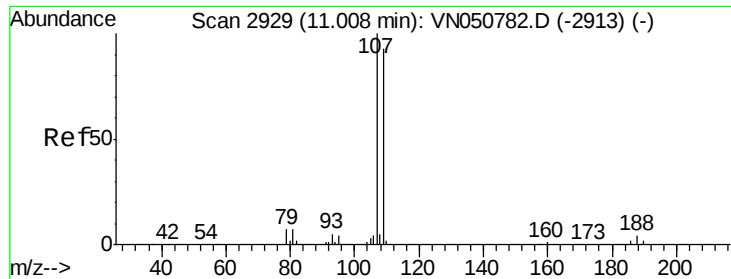
Tot Ion: 43 Resp: 375794
Ion Ratio Lower Upper
43 100
58 56.7 28.3 85.0



#60
Dibromochloromethane
Concen: 20.50 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VN050954.D
Acq: 30 Aug 2018 11:43

Tgt Ion: 129 Resp: 148898
Ion Ratio Lower Upper
129 100
127 77.1 38.3 114.9

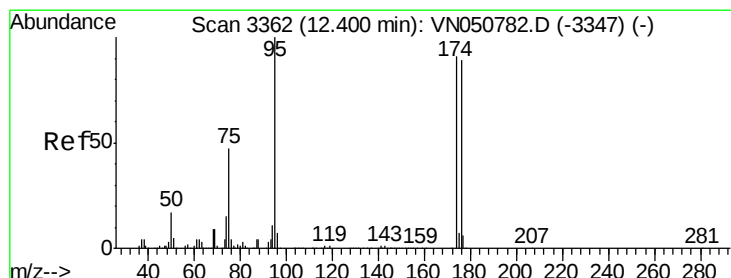
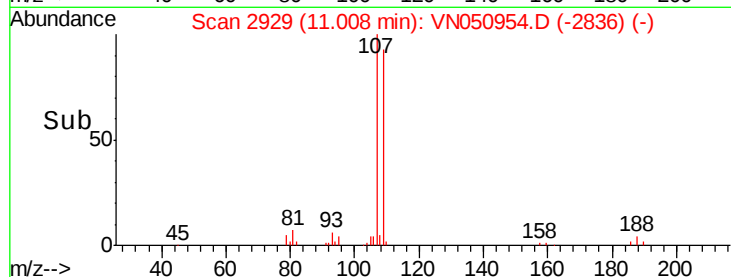
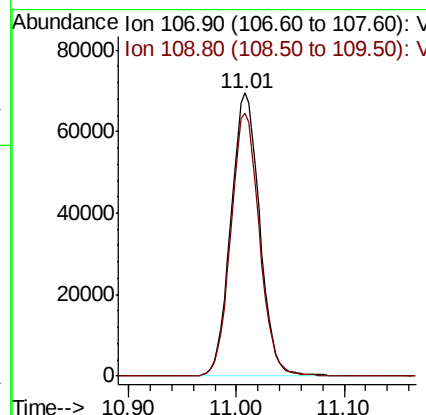
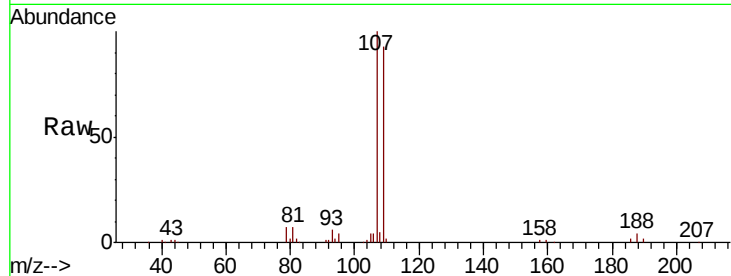




#61
 1,2-Dibromoethane
 Concen: 20.62 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. 0.00 min
 Lab File: VN050954.D
 Acq: 30 Aug 2018 11:43

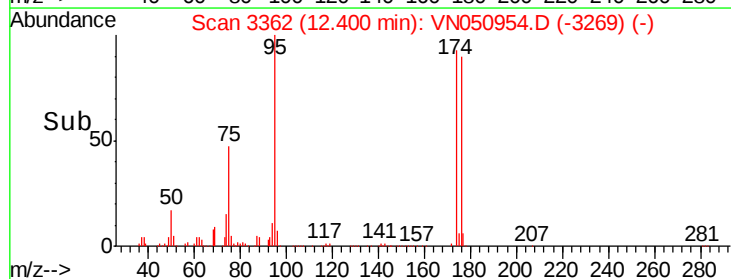
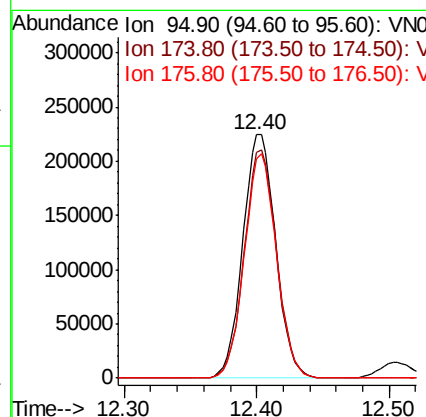
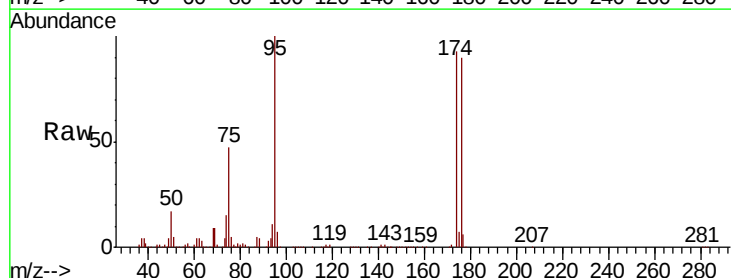
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0830WBS01

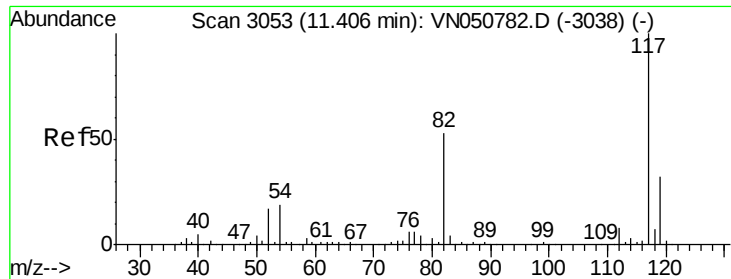
Tot Ion:107 Resp: 129385
 Ion Ratio Lower Upper
 107 100
 109 92.5 75.4 113.2



#62
 4-Bromofluorobenzene
 Concen: 46.94 ug/l
 RT: 12.40 min Scan# 3362
 Delta R.T. 0.00 min
 Lab File: VN050954.D
 Acq: 30 Aug 2018 11:43

Tgt Ion: 95 Resp: 384801
 Ion Ratio Lower Upper
 95 100
 174 92.4 0.0 183.0
 176 89.9 0.0 178.8

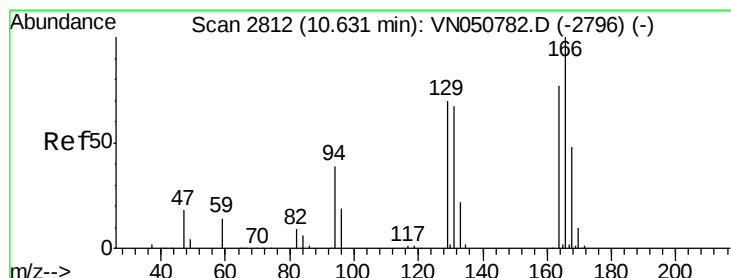
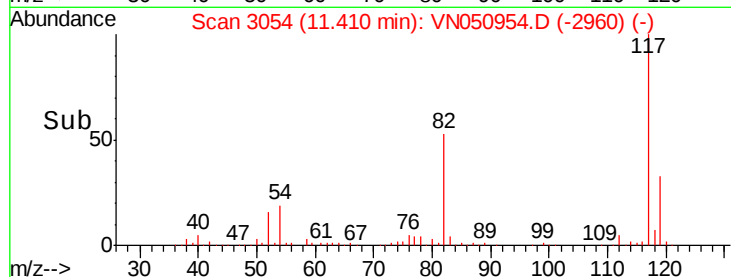
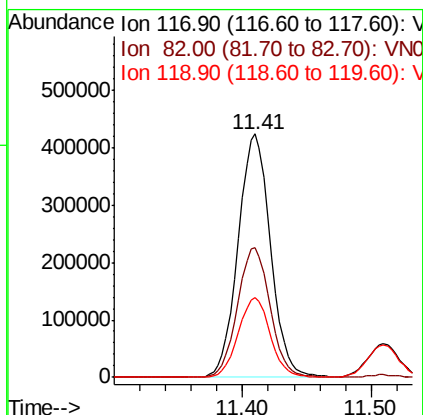
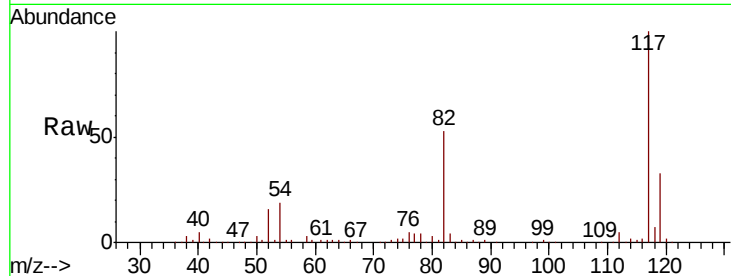




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050954.D
Acq: 30 Aug 2018 11:43

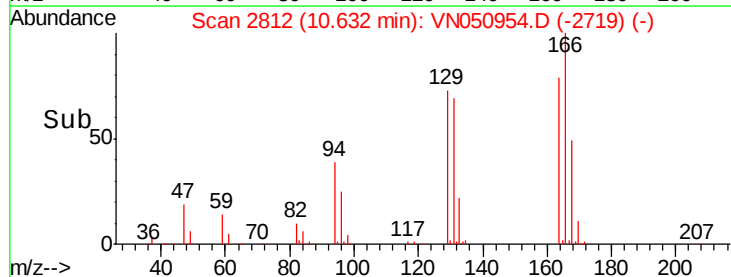
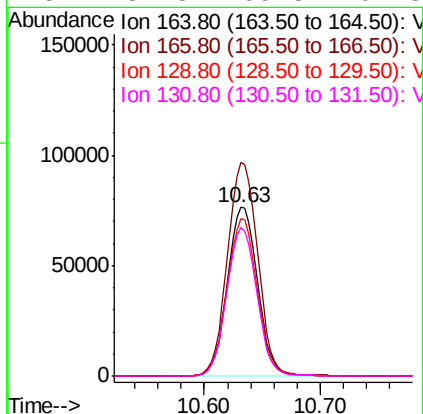
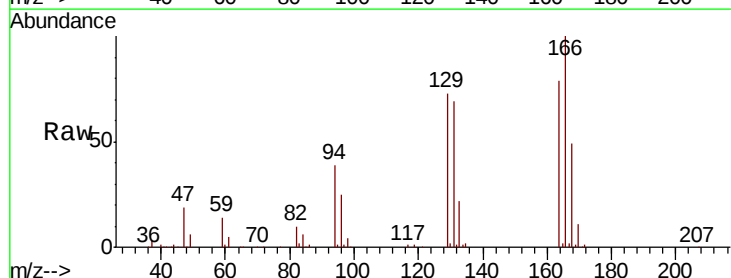
Instrument :
MSVOA_N
ClientSampled :
VN0830WBS01

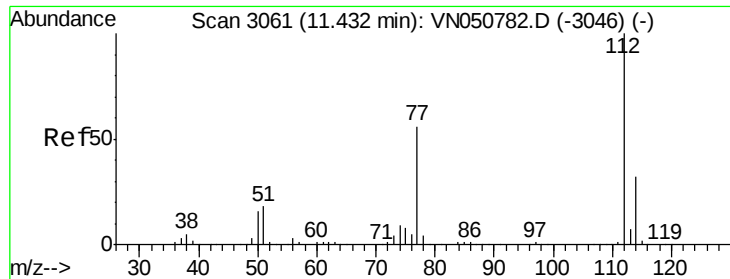
Tot Ion:117 Resp: 742631
Ion Ratio Lower Upper
117 100
82 53.0 42.6 64.0
119 32.8 25.8 38.6



#64
Tetrachloroethene
Concen: 19.53 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. 0.00 min
Lab File: VN050954.D
Acq: 30 Aug 2018 11:43

Tgt Ion:164 Resp: 137759
Ion Ratio Lower Upper
164 100
166 126.6 103.5 155.3
129 93.0 72.7 109.1
131 87.8 69.5 104.3

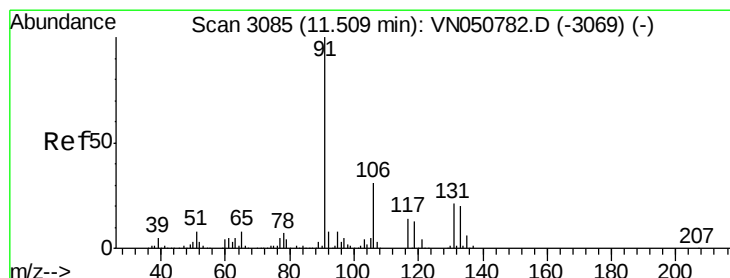
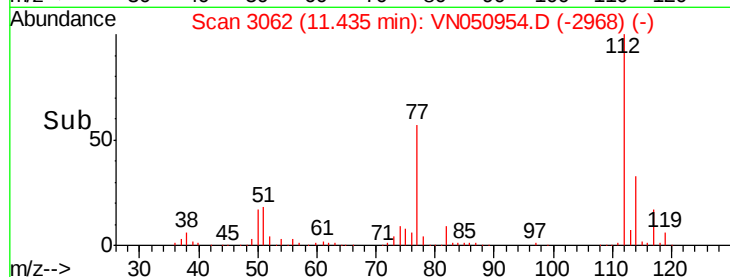
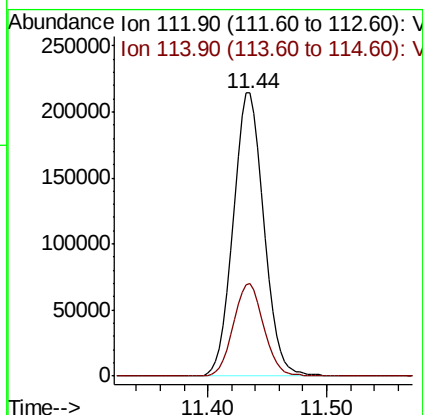
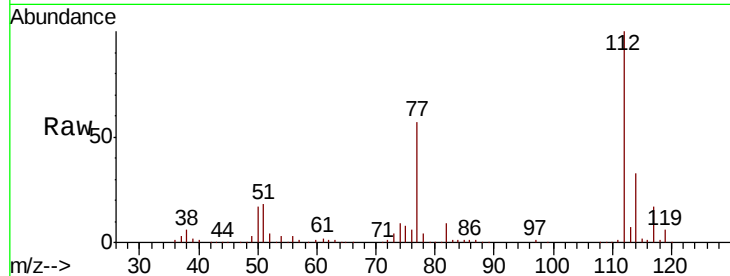




#65
Chlorobenzene
Concen: 19.70 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN050954.D
Acq: 30 Aug 2018 11:43

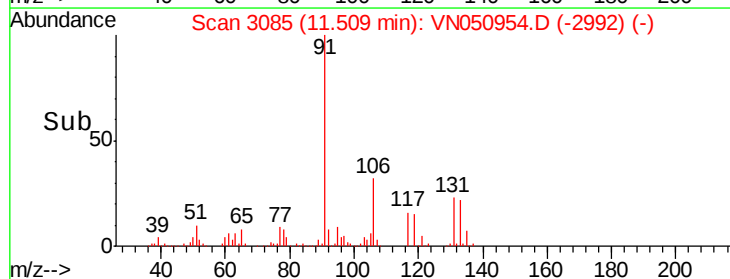
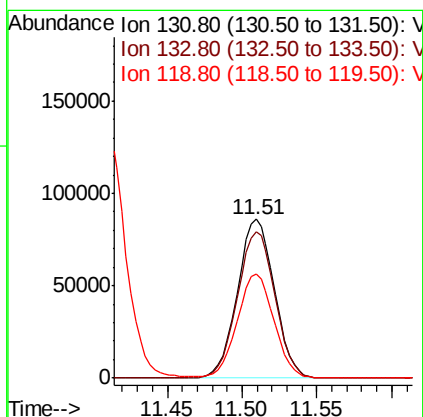
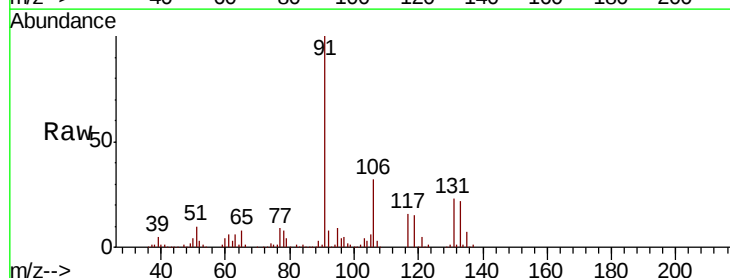
Instrument :
MSVOA_N
ClientSampleId :
VN0830WBS01

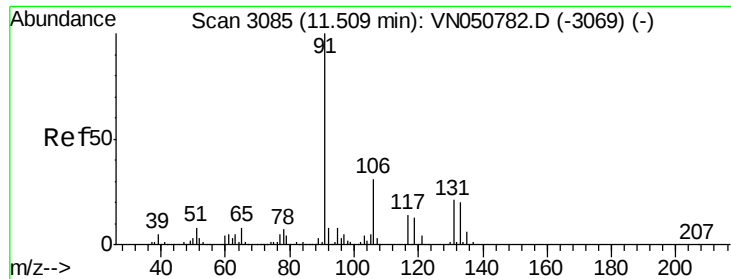
Tot Ion:112 Resp: 382458
Ion Ratio Lower Upper
112 100
114 32.7 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 20.80 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. 0.00 min
Lab File: VN050954.D
Acq: 30 Aug 2018 11:43

Tgt Ion:131 Resp: 147704
Ion Ratio Lower Upper
131 100
133 93.8 47.4 142.3
119 65.5 32.8 98.4





#67

Ethyl Benzene

Concen: 19.85 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN050954.D

Acq: 30 Aug 2018 11:43

Instrument :

MSVOA_N

ClientSampleId :

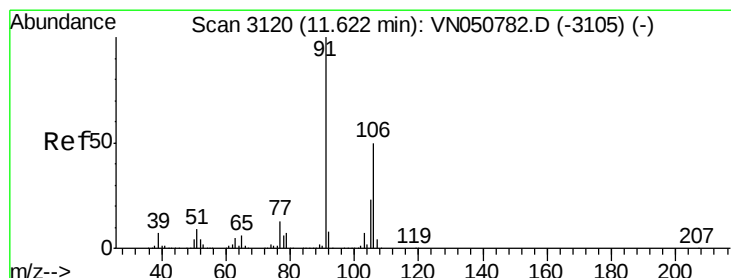
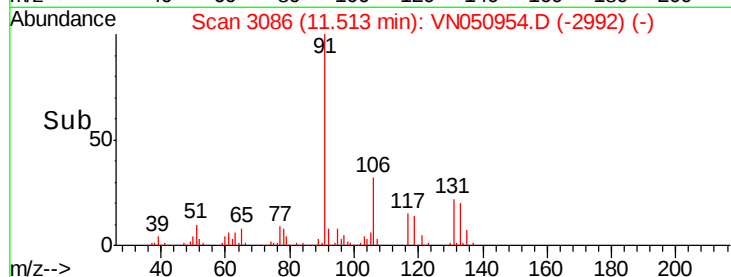
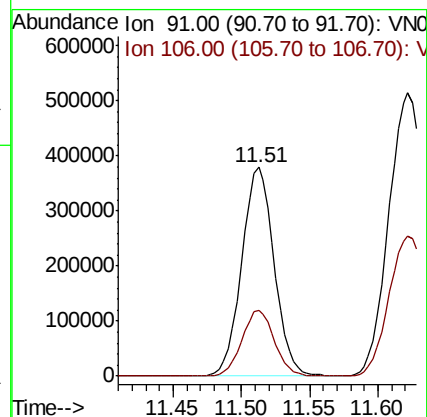
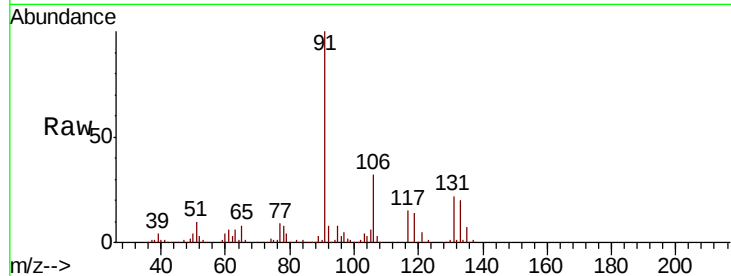
VN0830WBS01

Tot Ion: 91 Resp: 626406

Ion Ratio Lower Upper

91 100

106 31.7 25.0 37.4



#68

m/p-Xylenes

Concen: 41.01 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. 0.00 min

Lab File: VN050954.D

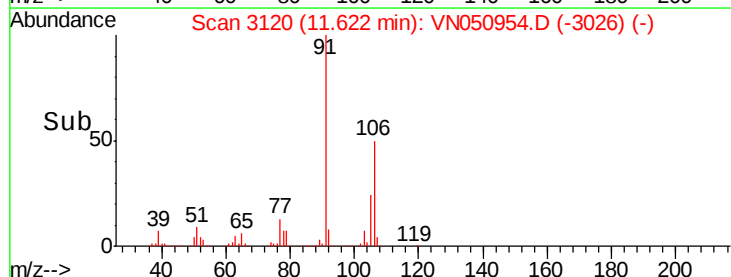
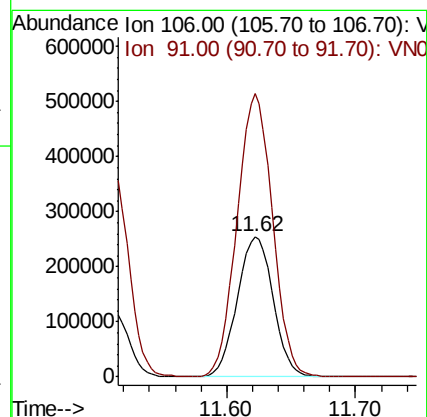
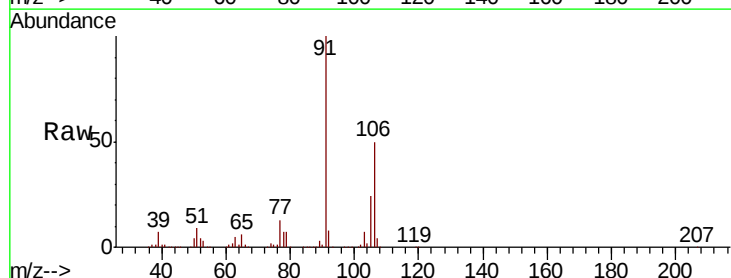
Acq: 30 Aug 2018 11:43

Tgt Ion: 106 Resp: 491260

Ion Ratio Lower Upper

106 100

91 200.4 161.0 241.6

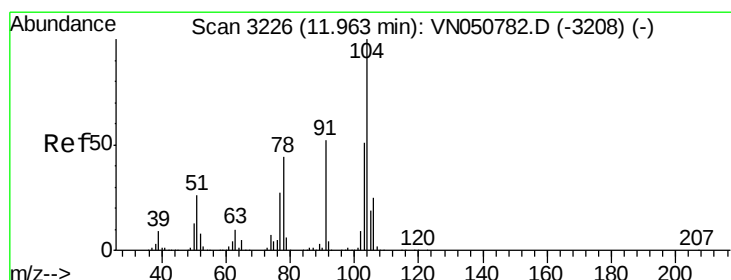
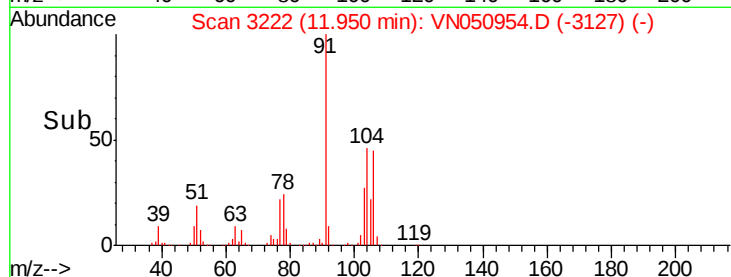
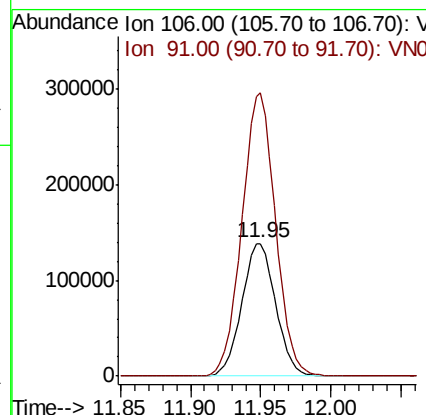
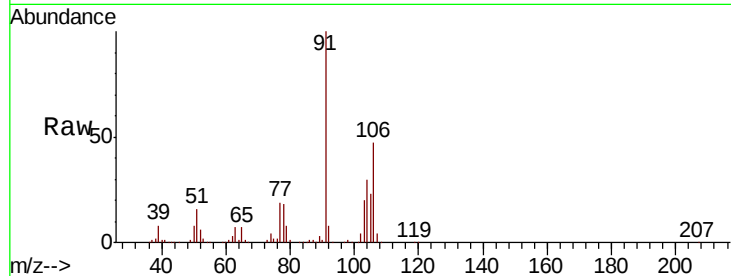




#69
o-Xylene
Concen: 20.23 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN050954.D
Acq: 30 Aug 2018 11:43

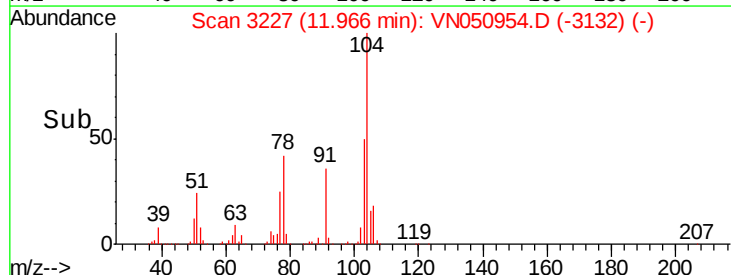
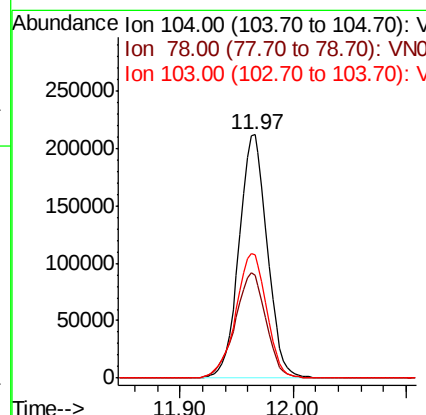
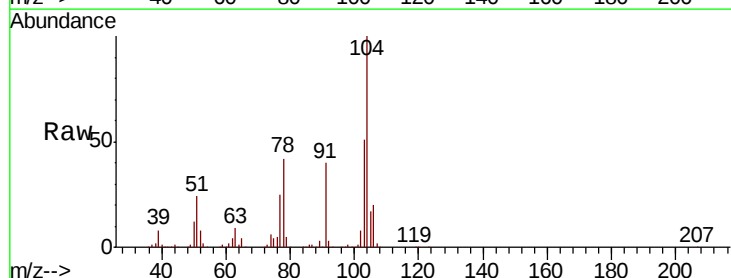
Instrument :
MSVOA_N
ClientSampled :
VN0830WBS01

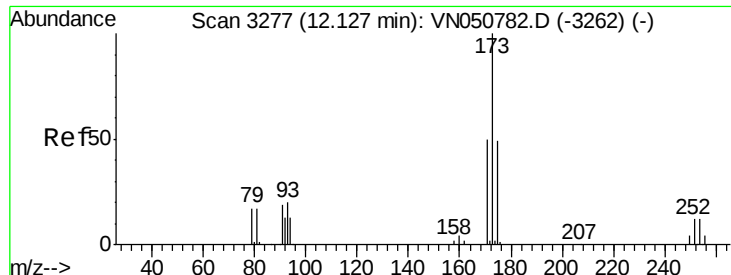
Tot Ion:106 Resp: 232918
Ion Ratio Lower Upper
106 100
91 211.8 106.5 319.5



#70
Styrene
Concen: 18.95 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN050954.D
Acq: 30 Aug 2018 11:43

Tgt Ion:104 Resp: 368193
Ion Ratio Lower Upper
104 100
78 47.5 38.2 57.4
103 56.0 44.4 66.6

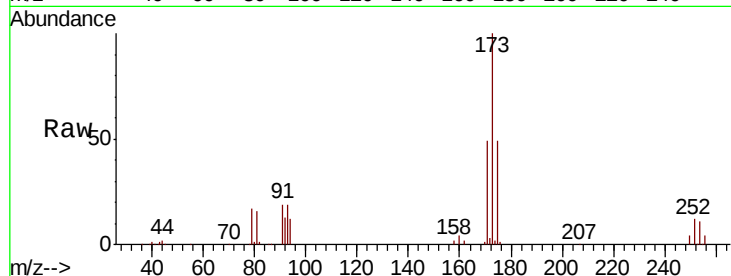




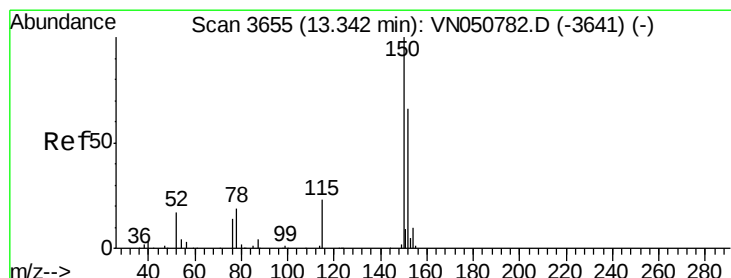
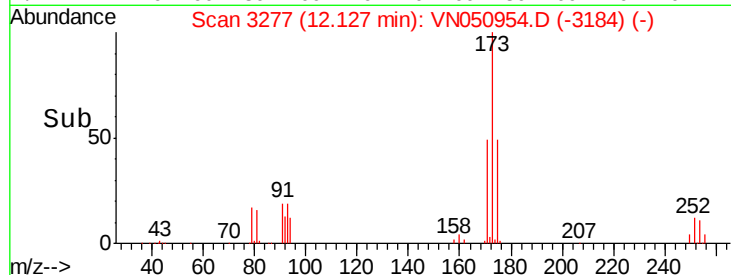
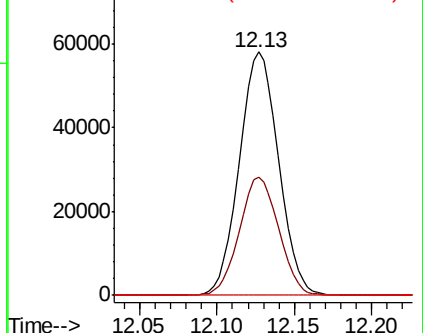
#71
Bromoform
Concen: 21.01 ug/l
RT: 12.13 min Scan# 3277
Delta R.T. 0.00 min
Lab File: VN050954.D
Acq: 30 Aug 2018 11:43

Instrument :
MSVOA_N
ClientSampleId :
VN0830WBS01

Tot Ion:173 Resp: 102600
Ion Ratio Lower Upper
173 100
175 48.6 24.4 73.4
254 0.1 0.1 0.1#

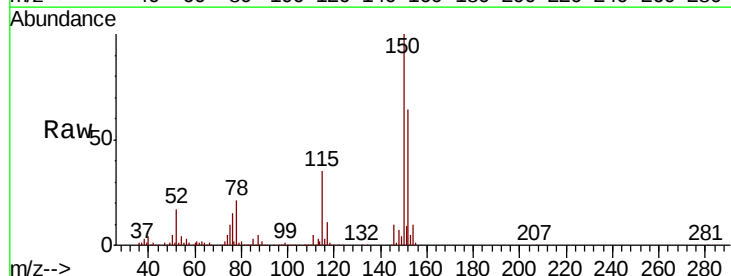


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

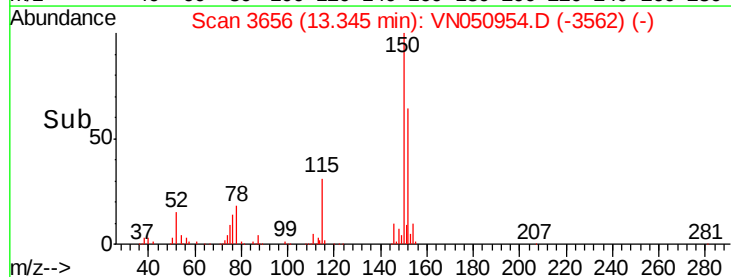
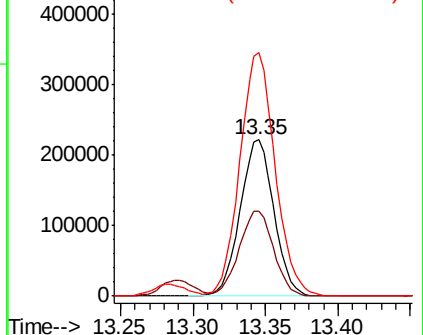


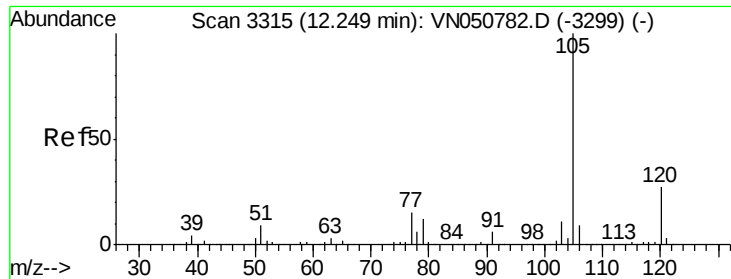
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. 0.00 min
Lab File: VN050954.D
Acq: 30 Aug 2018 11:43

Tgt Ion:152 Resp: 358097
Ion Ratio Lower Upper
152 100
115 55.4 27.8 83.4
150 163.4 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: 20.88 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. 0.00 min

Lab File: VN050954.D

Acq: 30 Aug 2018 11:43

Instrument :

MSVOA_N

ClientSampleId :

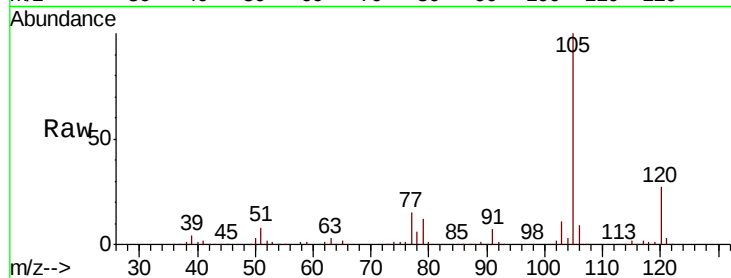
VN0830WBS01

Tot Ion:105 Resp: 619258

Ion Ratio Lower Upper

105 100

120 26.9 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

400000

300000

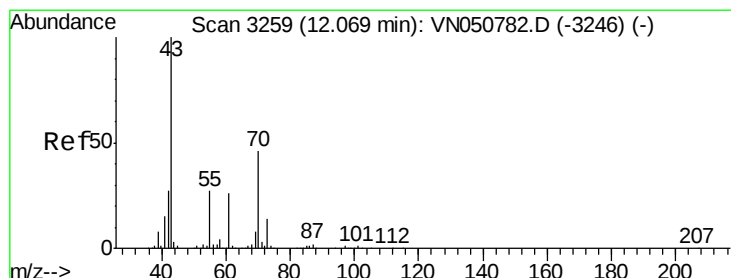
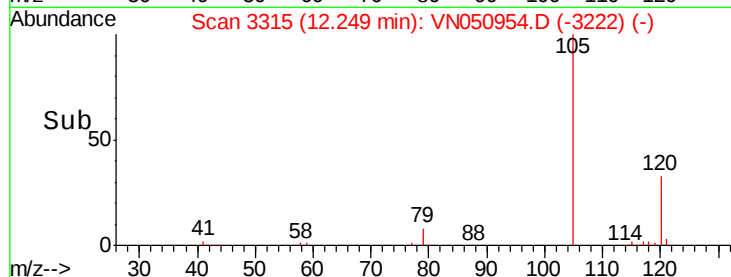
200000

100000

0

Time-->

12.20 12.30



#74

N-ethyl acetate

Concen: 19.81 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN050954.D

Acq: 30 Aug 2018 11:43

Tgt Ion: 43 Resp: 147580

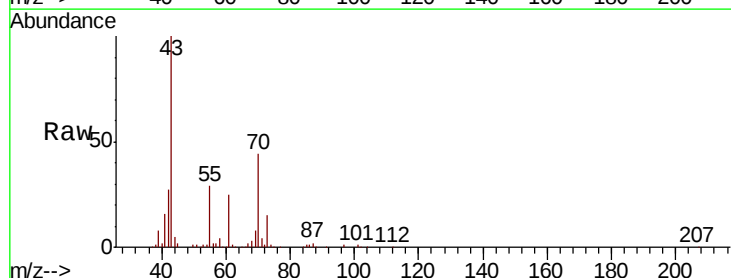
Ion Ratio Lower Upper

43 100

70 44.7 36.2 54.2

55 28.4 21.8 32.8

61 25.4 20.5 30.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

12.07

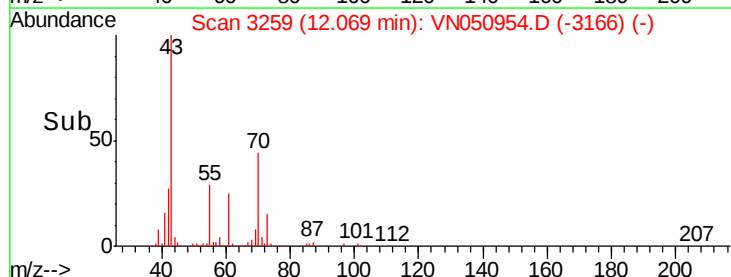
100000

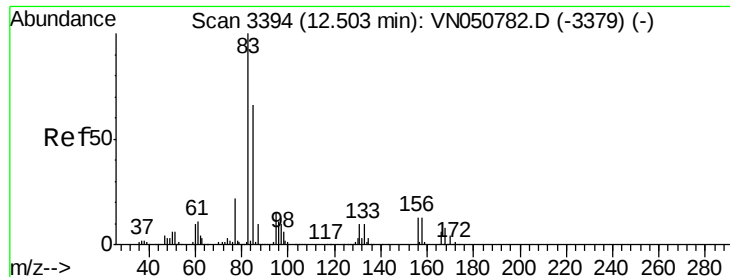
50000

0

Time-->

12.00 12.10





#75

1,1,2,2-Tetrachloroethane

Concen: 22.74 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN050954.D

Acq: 30 Aug 2018 11:43

Instrument :

MSVOA_N

ClientSampled :

VN0830WBS01

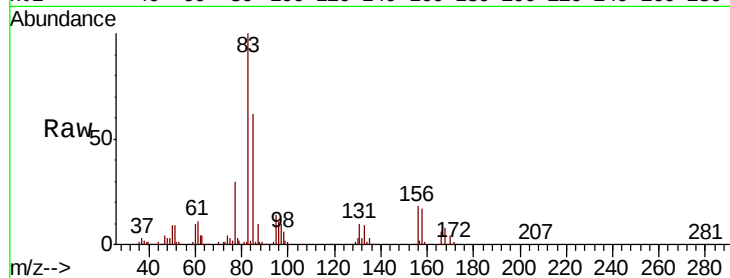
Tot Ion: 83 Resp: 167030

Ion Ratio Lower Upper

83 100

131 10.4 5.3 15.9

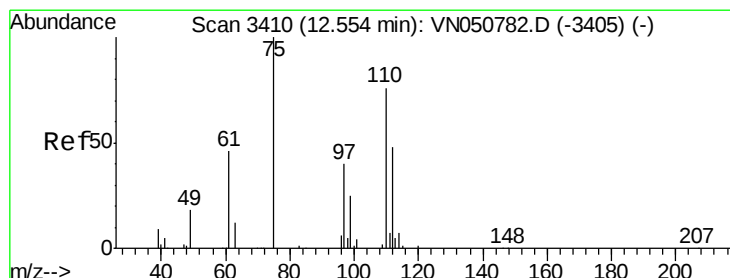
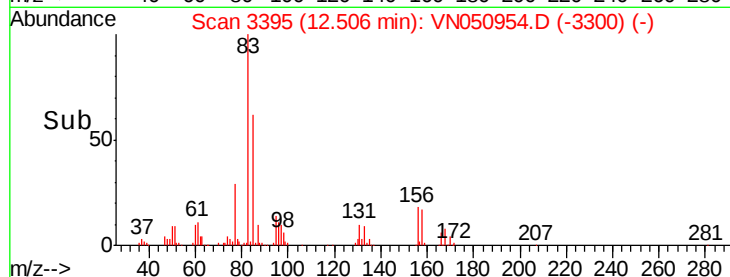
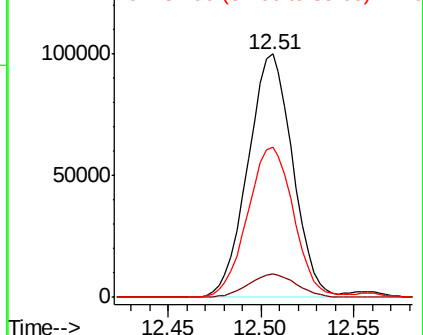
85 63.6 31.9 95.7



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: 30.28 ug/l

RT: 12.55 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN050954.D

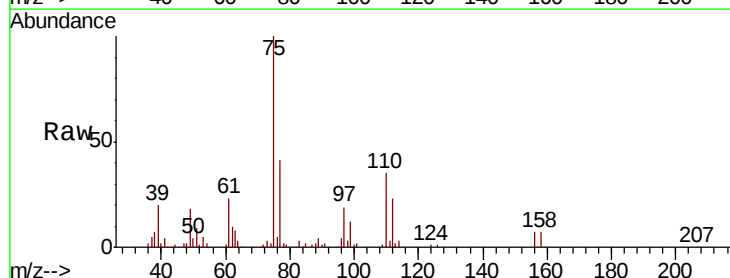
Acq: 30 Aug 2018 11:43

Tgt Ion: 75 Resp: 189920

Ion Ratio Lower Upper

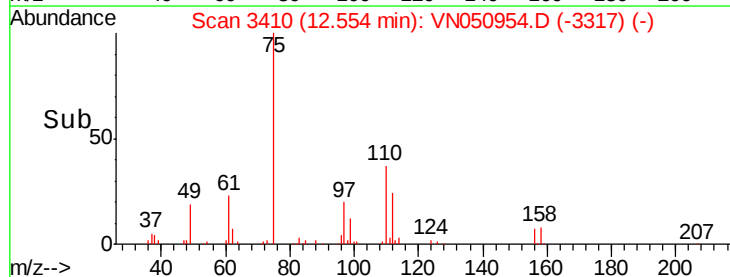
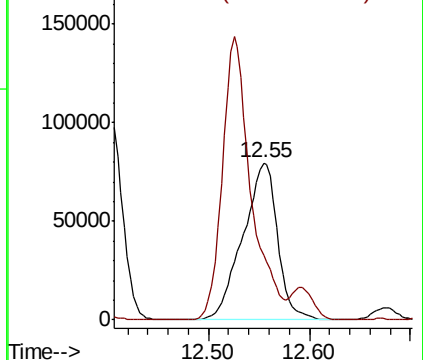
75 100

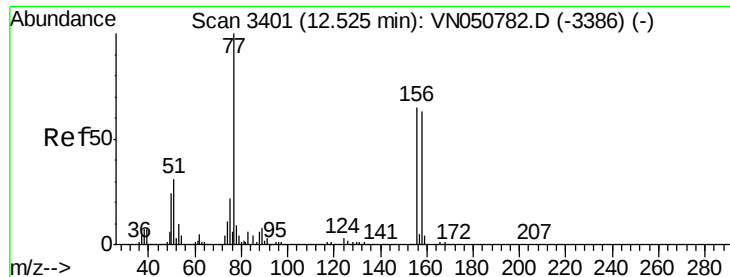
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 20.11 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN050954.D

Acq: 30 Aug 2018 11:43

Instrument :

MSVOA_N

ClientSampleId :

VN0830WBS01

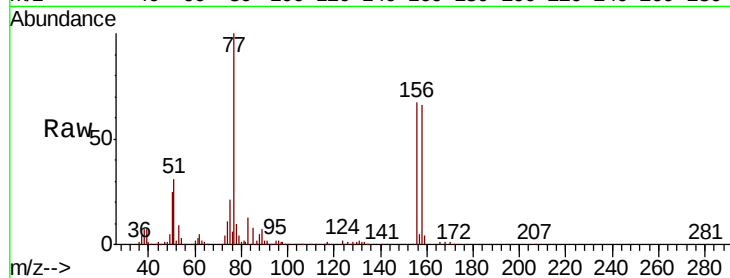
Tot Ion:156 Resp: 162033

Ion Ratio Lower Upper

156 100

77 175.4 89.9 269.7

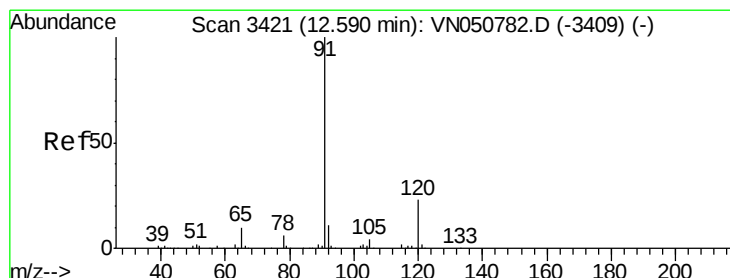
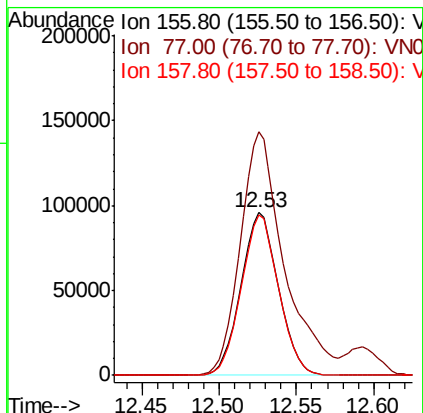
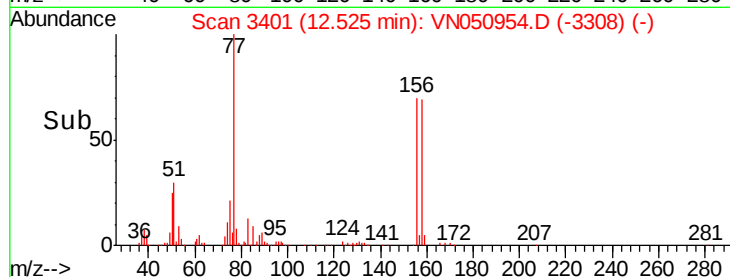
158 97.9 49.3 147.9



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: 20.44 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN050954.D

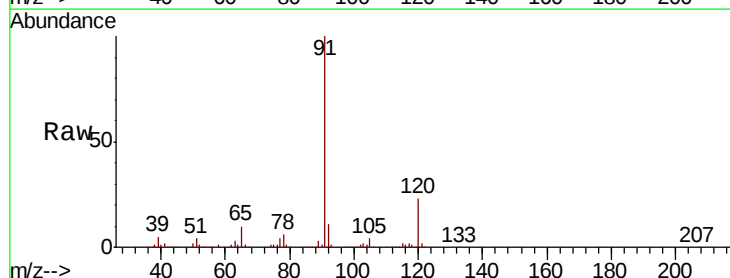
Acq: 30 Aug 2018 11:43

Tgt Ion: 91 Resp: 677070

Ion Ratio Lower Upper

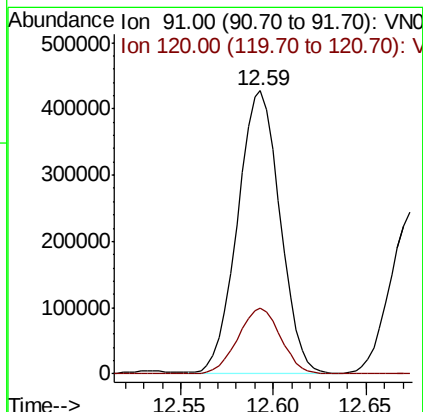
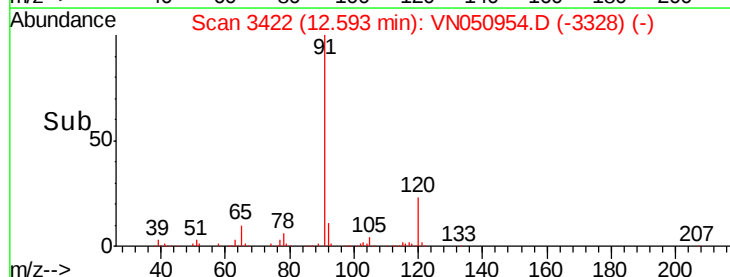
91 100

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: 20.48 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN050954.D

Acq: 30 Aug 2018 11:43

Instrument :

MSVOA_N

ClientSampled :

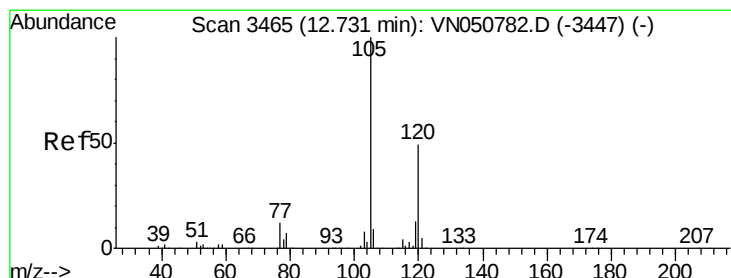
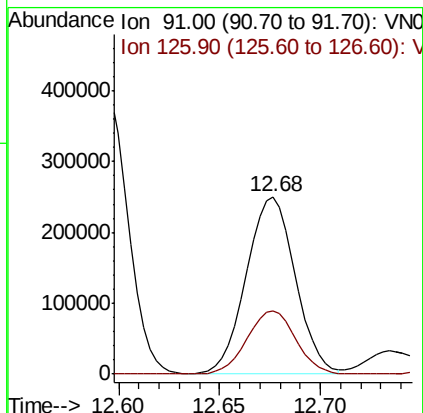
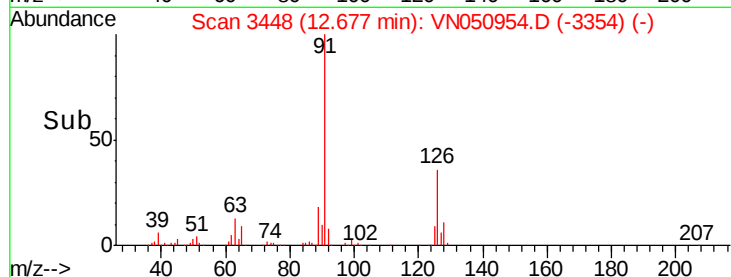
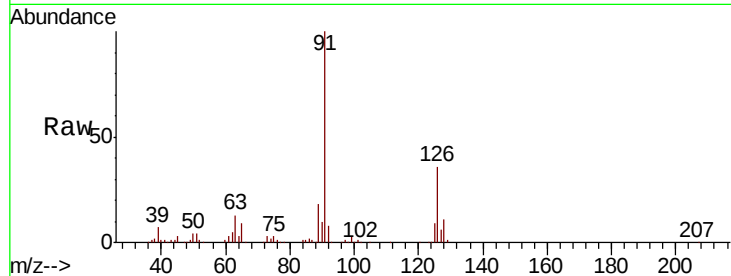
VN0830WBS01

Tot Ion: 91 Resp: 422595

Ion Ratio Lower Upper

91 100

126 35.8 17.8 53.3



#80

1,3,5-Trimethylbenzene

Concen: 21.37 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050954.D

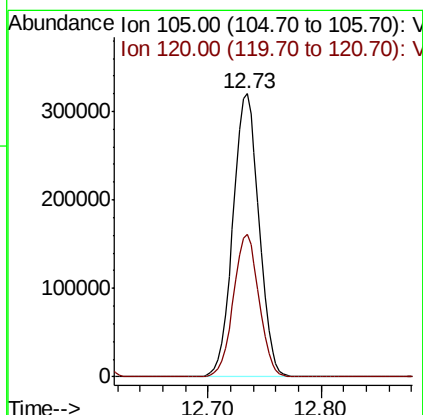
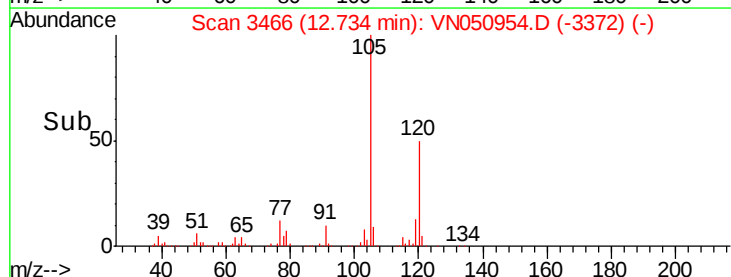
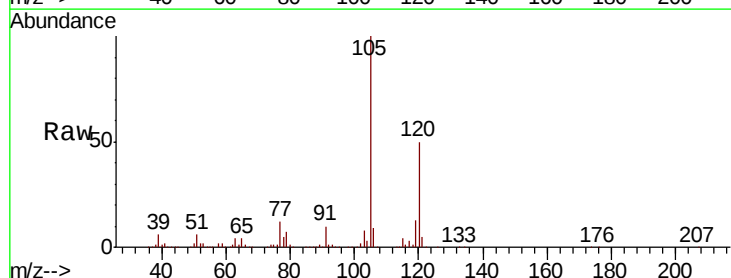
Acq: 30 Aug 2018 11:43

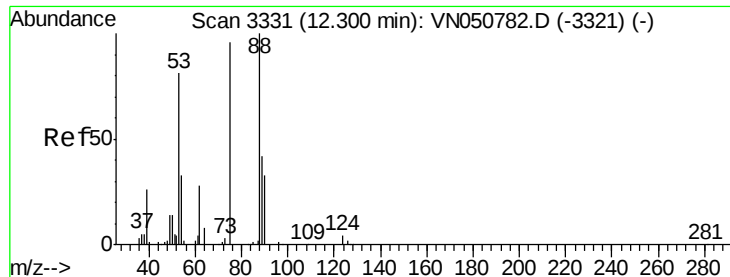
Tgt Ion: 105 Resp: 511283

Ion Ratio Lower Upper

105 100

120 49.6 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 20.31 ug/l

RT: 12.30 min Scan# 3331

Delta R.T. 0.00 min

Lab File: VN050954.D

Acq: 30 Aug 2018 11:43

Instrument :

MSVOA_N

ClientSampleId :

VN0830WBS01

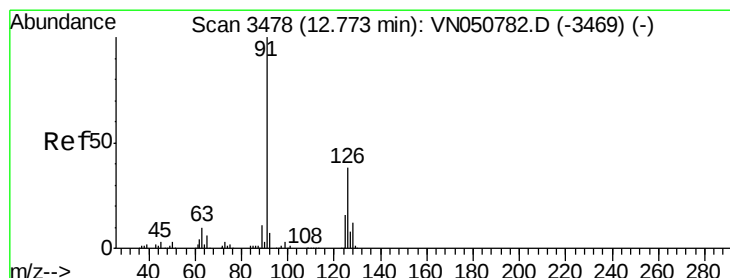
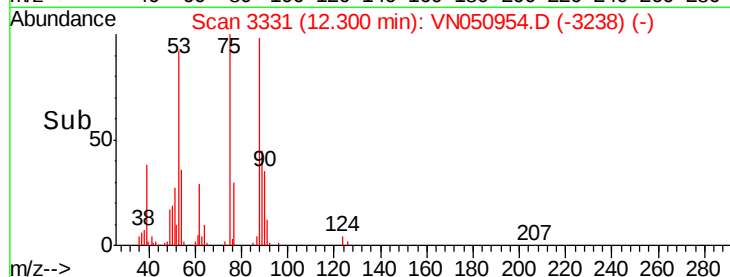
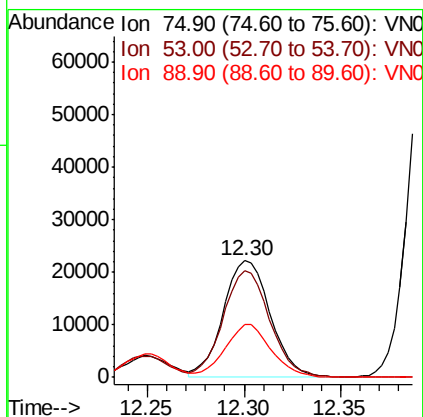
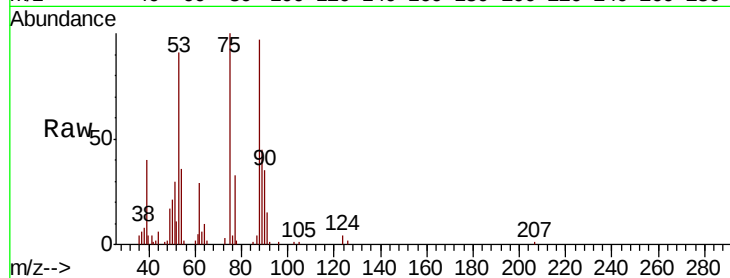
Tot Ion: 75 Resp: 37688

Ion Ratio Lower Upper

75 100

53 90.6 68.9 103.3

89 43.9 36.1 54.1



#82

4-Chlorotoluene

Concen: 20.15 ug/l

RT: 12.77 min Scan# 3478

Delta R.T. 0.00 min

Lab File: VN050954.D

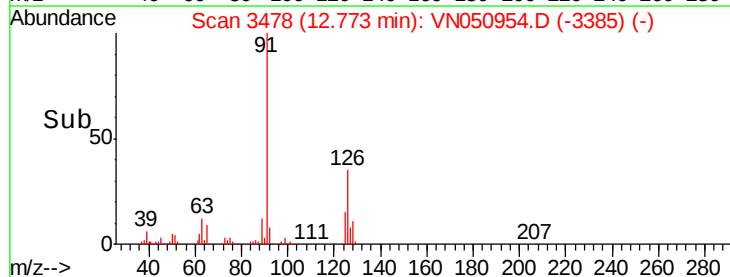
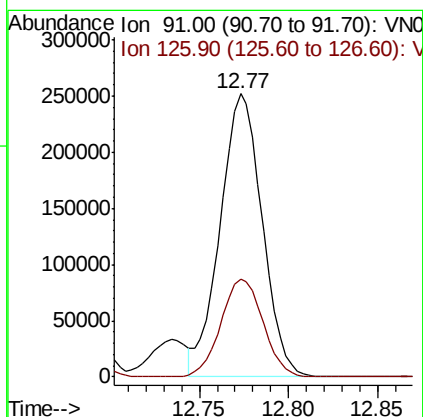
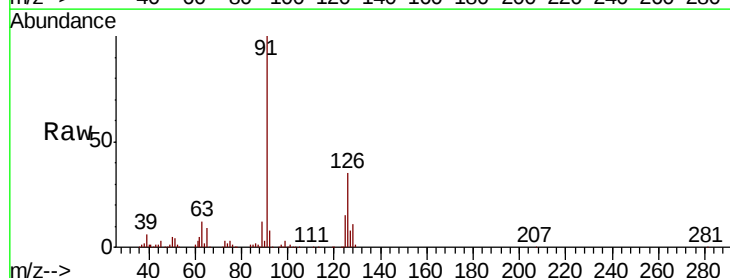
Acq: 30 Aug 2018 11:43

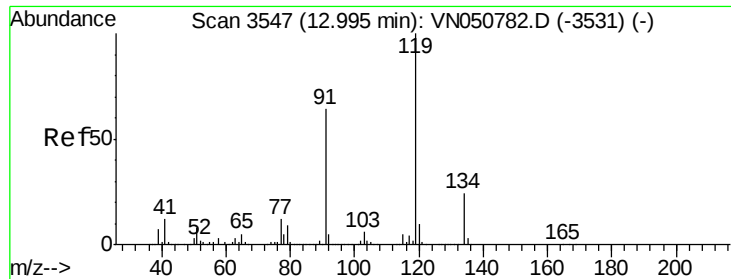
Tgt Ion: 91 Resp: 410499

Ion Ratio Lower Upper

91 100

126 34.9 17.5 52.5

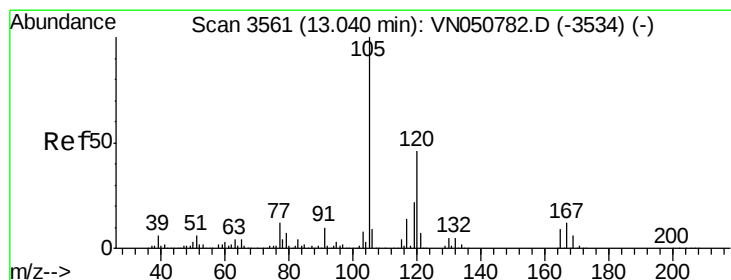
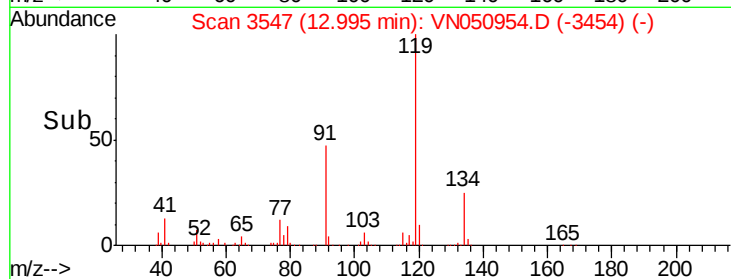
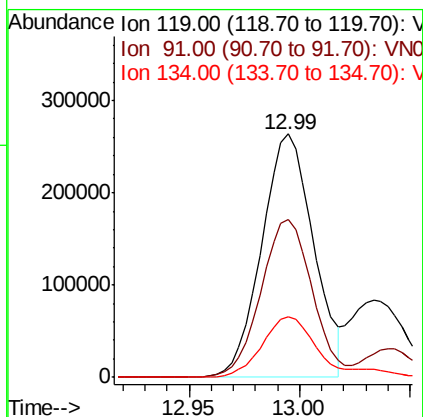
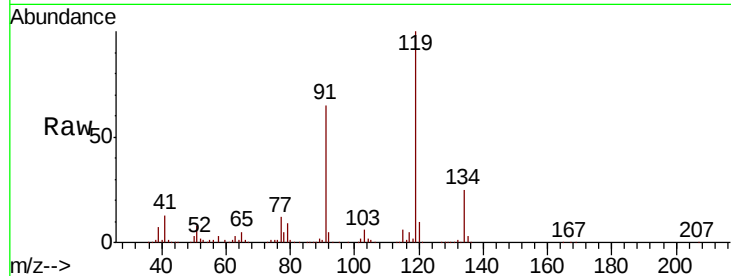




#83
 tert-Butylbenzene
 Concen: 20.69 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN050954.D
 Acq: 30 Aug 2018 11:43

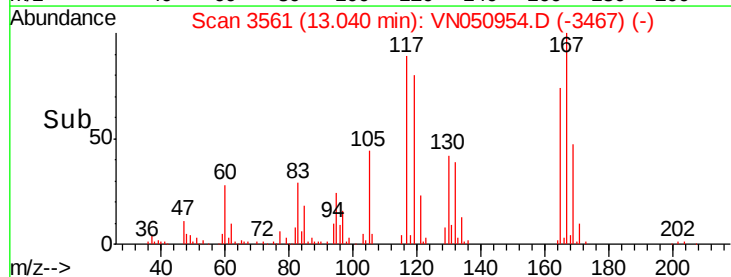
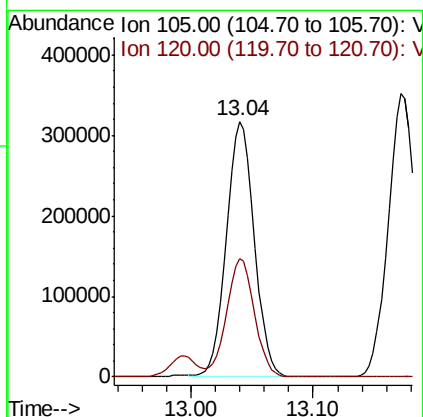
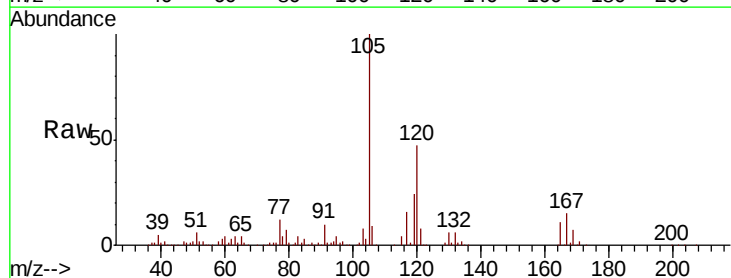
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0830WBS01

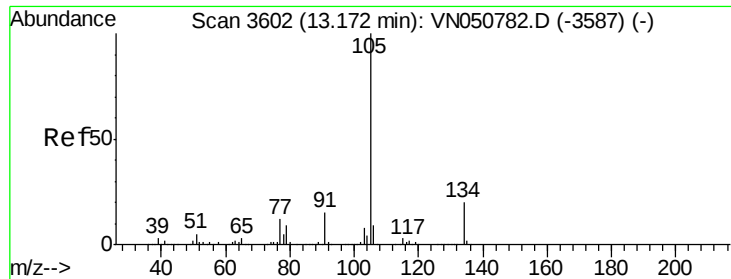
Tot Ion:119 Resp: 428744
 Ion Ratio Lower Upper
 119 100
 91 64.6 31.6 94.7
 134 25.4 13.4 40.1



#84
 1,2,4-Trimethylbenzene
 Concen: 21.14 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. 0.00 min
 Lab File: VN050954.D
 Acq: 30 Aug 2018 11:43

Tgt Ion:105 Resp: 508829
 Ion Ratio Lower Upper
 105 100
 120 46.2 22.9 68.8





#85

sec-Butylbenzene

Concen: 20.70 ug/l

RT: 13.17 min Scan# 3602

Delta R.T. 0.00 min

Lab File: VN050954.D

Acq: 30 Aug 2018 11:43

Instrument :

MSVOA_N

ClientSampleId :

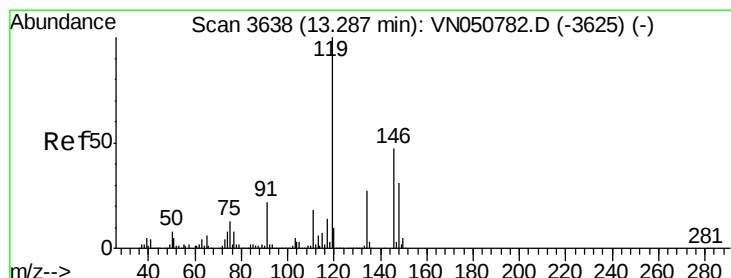
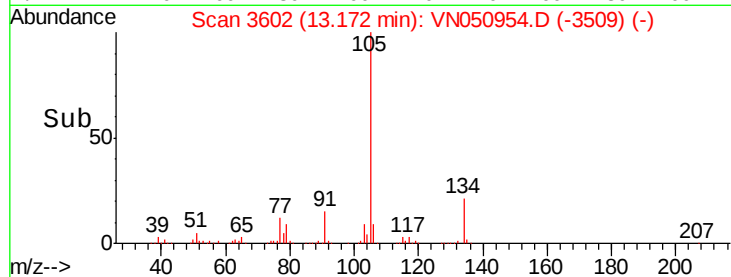
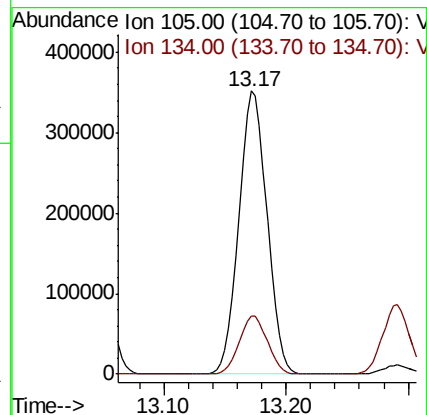
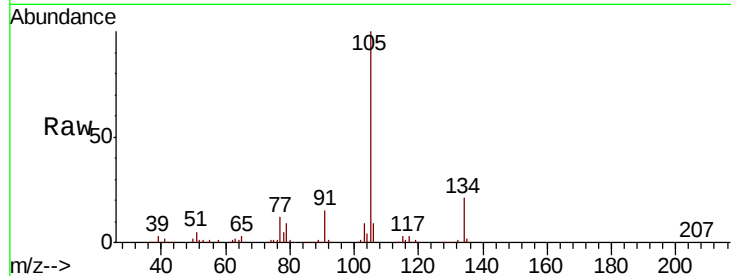
VN0830WBS01

Tot Ion:105 Resp: 562152

Ion Ratio Lower Upper

105 100

134 20.6 10.3 30.8



#86

p-Isopropyltoluene

Concen: 20.71 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050954.D

Acq: 30 Aug 2018 11:43

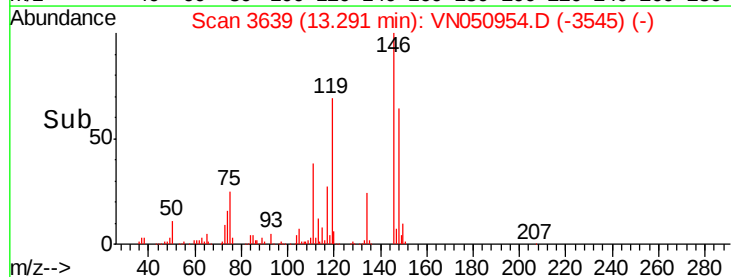
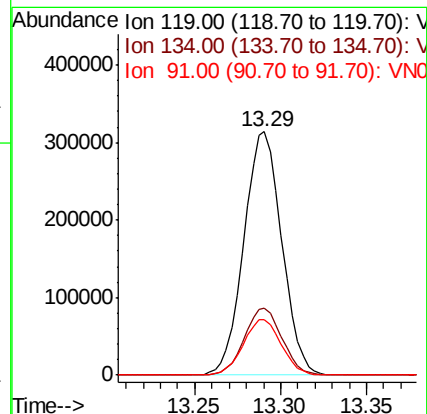
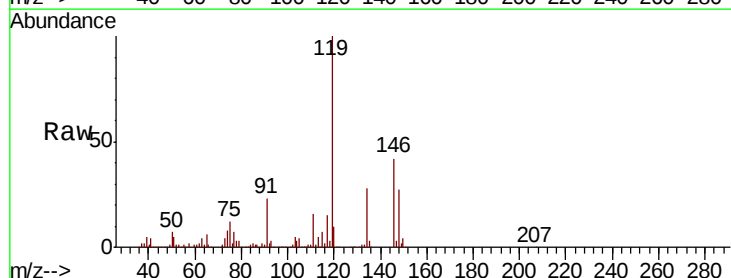
Tgt Ion:119 Resp: 479196

Ion Ratio Lower Upper

119 100

134 27.4 13.7 41.0

91 22.8 11.2 33.5





#87

1,3-Dichlorobenzene

Concen: 19.50 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. 0.00 min

Lab File: VN050954.D

Acq: 30 Aug 2018 11:43

Instrument :

MSVOA_N

ClientSampleId :

VN0830WBS01

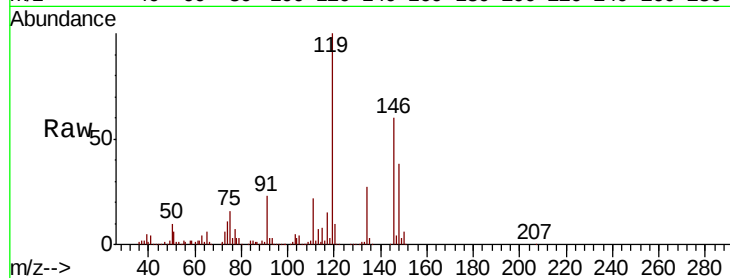
Tot Ion:146 Resp: 266679

Ion Ratio Lower Upper

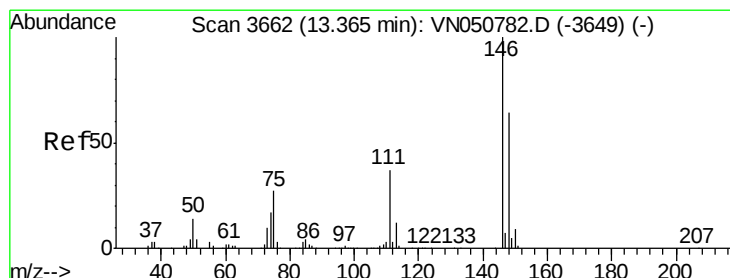
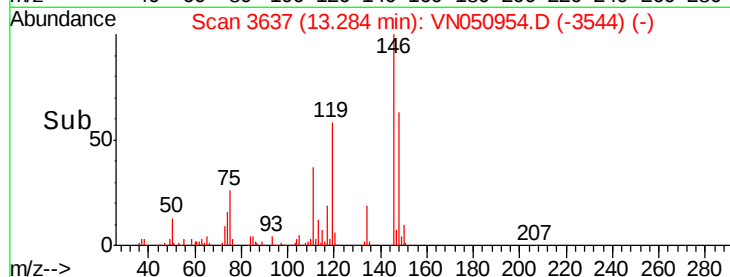
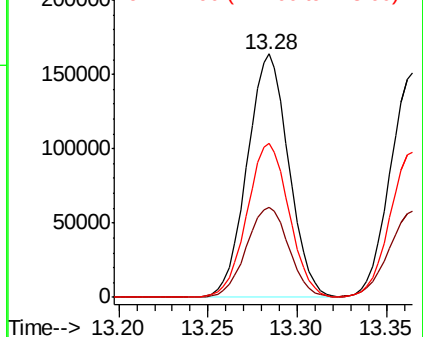
146 100

111 37.7 19.1 57.3

148 64.0 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: 18.85 ug/l

RT: 13.36 min Scan# 3662

Delta R.T. 0.00 min

Lab File: VN050954.D

Acq: 30 Aug 2018 11:43

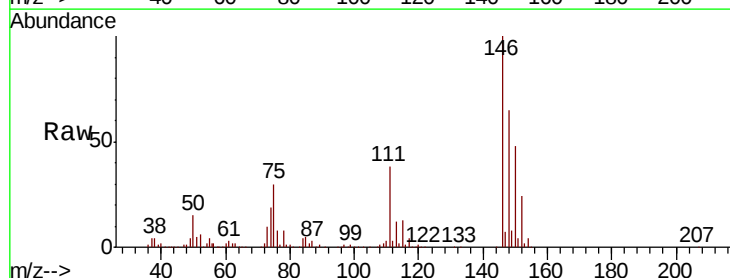
Tgt Ion:146 Resp: 253651

Ion Ratio Lower Upper

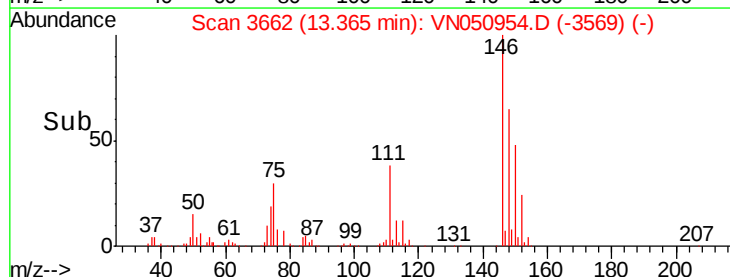
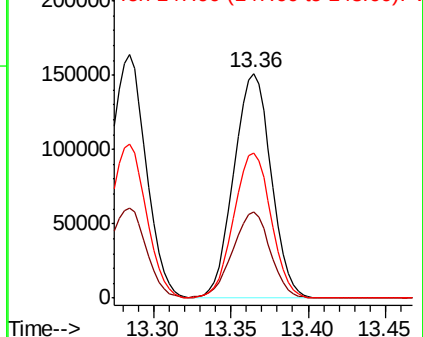
146 100

111 38.8 18.8 56.3

148 64.6 32.2 96.6



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

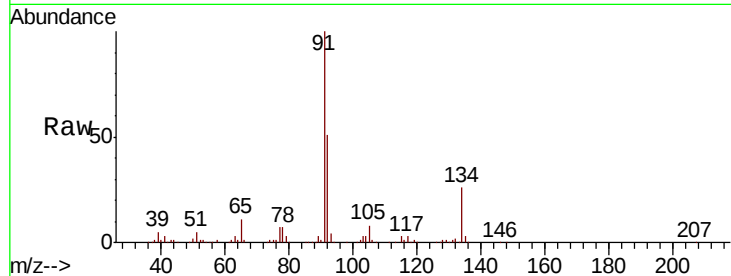




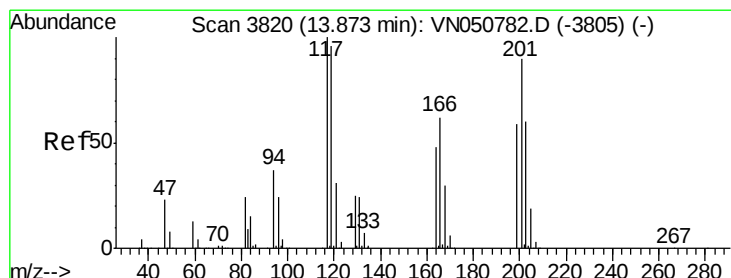
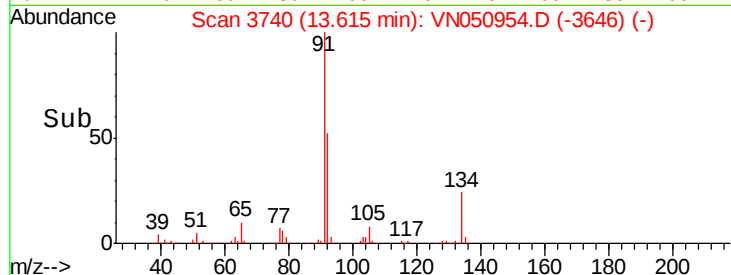
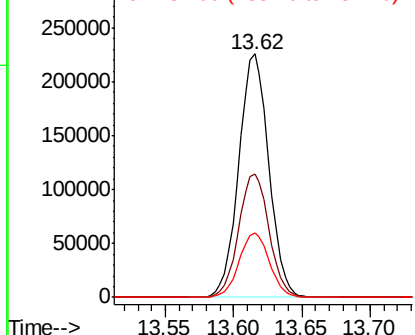
#89
n-Butylbenzene
Concen: 18.67 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. 0.00 min
Lab File: VN050954.D
Acq: 30 Aug 2018 11:43

Instrument :
MSVOA_N
ClientSampleId :
VN0830WBS01

Tot Ion: 91 Resp: 345418
Ion Ratio Lower Upper
91 100
92 51.2 26.1 78.2
134 26.7 13.2 39.6

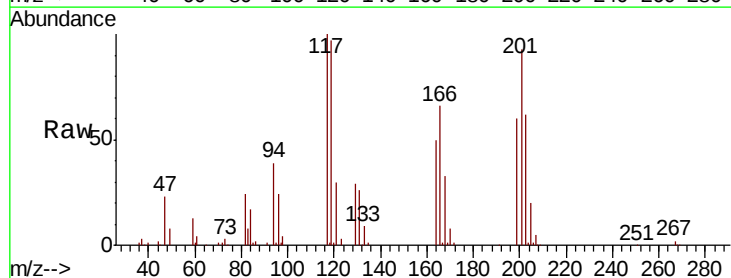


Abundance Ion 91.00 (90.70 to 91.70): VN0
Ion 92.00 (91.70 to 92.70): VN0
Ion 134.00 (133.70 to 134.70): V

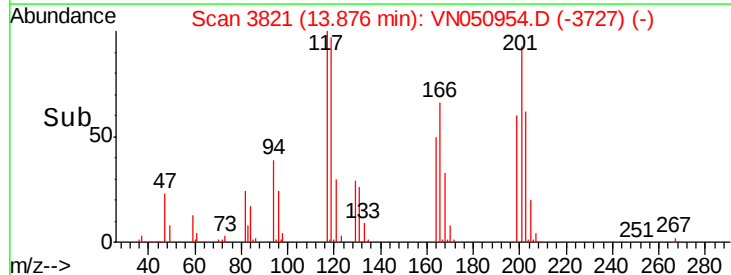
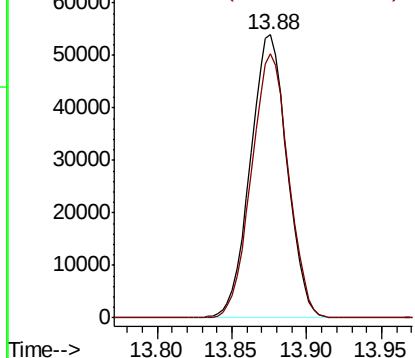


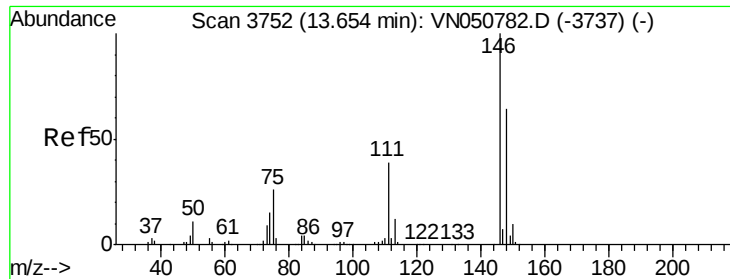
#90
Hexachloroethane
Concen: 20.99 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN050954.D
Acq: 30 Aug 2018 11:43

Tgt Ion: 117 Resp: 92078
Ion Ratio Lower Upper
117 100
201 93.8 46.0 137.8



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V

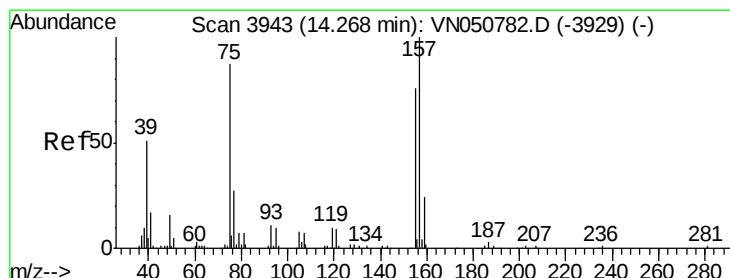
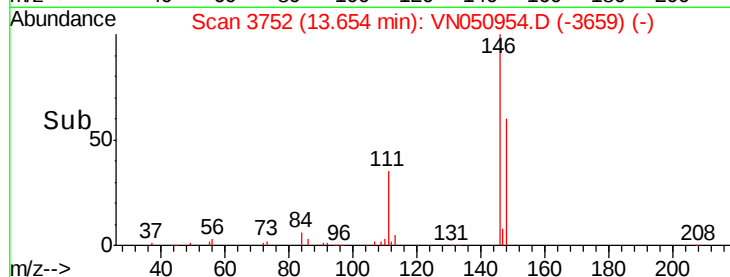
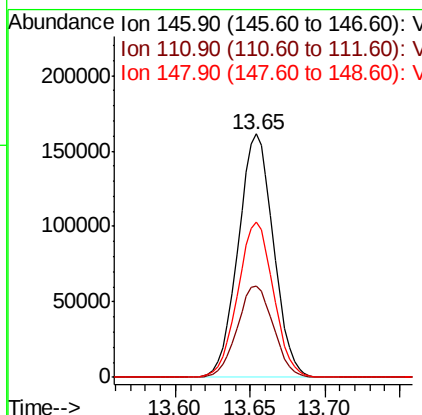
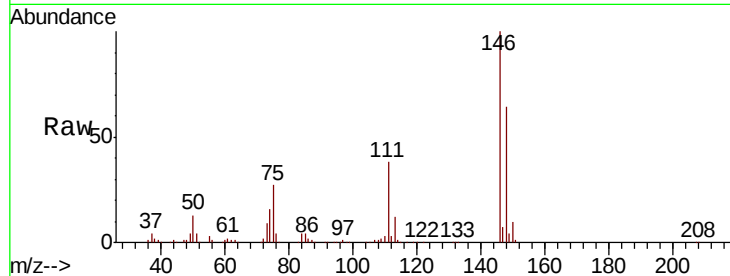




#91
 1,2-Dichlorobenzene
 Concen: 20.04 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. 0.00 min
 Lab File: VN050954.D
 Acq: 30 Aug 2018 11:43

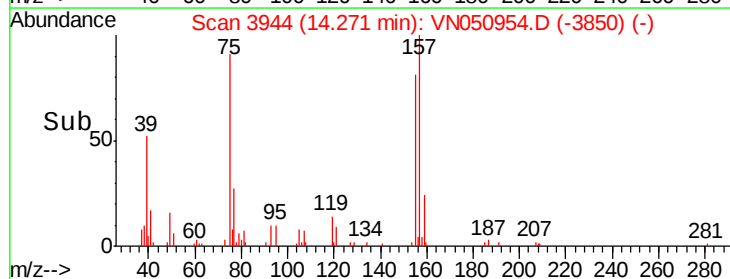
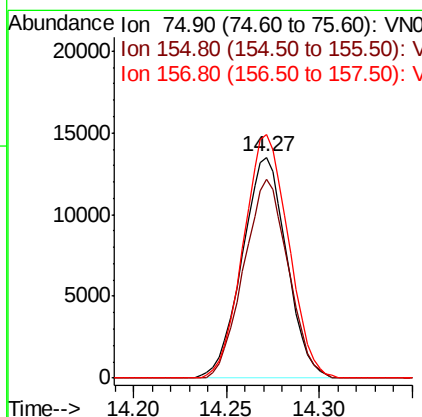
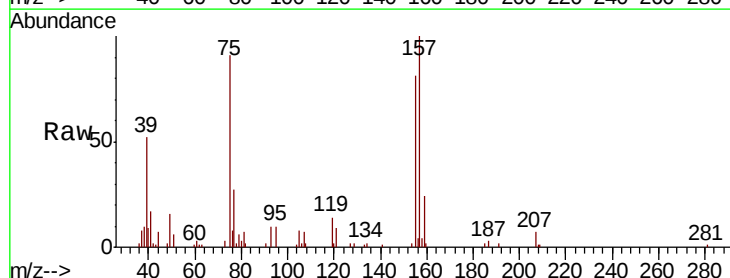
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0830WBS01

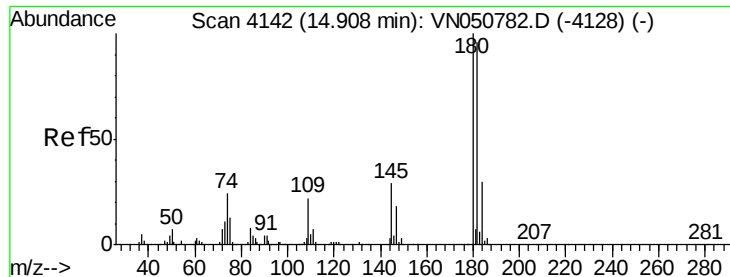
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.8	59.3
148	64.4	32.3	96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.14 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN050954.D
 Acq: 30 Aug 2018 11:43

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.6	46.4	139.1
157	111.8	60.7	182.0

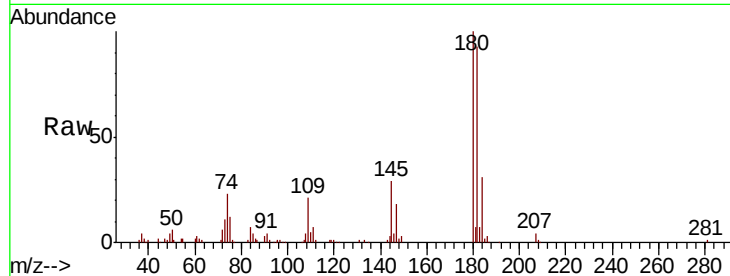




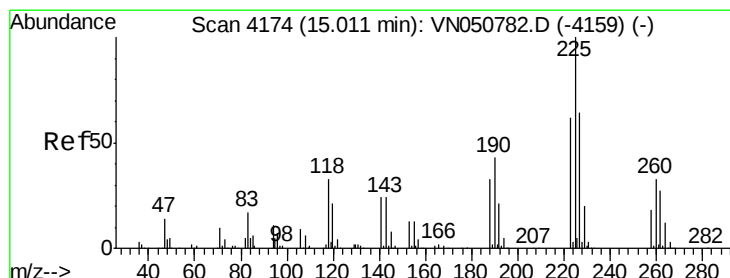
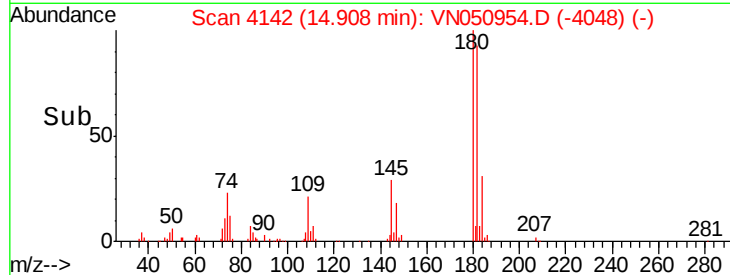
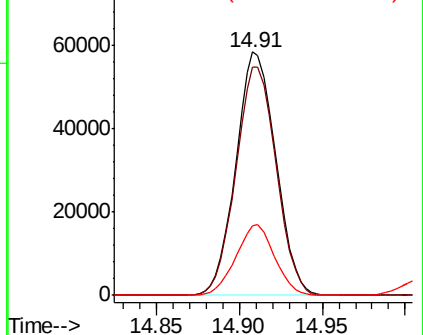
#93
 1,2,4-Trichlorobenzene
 Concen: 17.18 ug/l
 RT: 14.91 min Scan# 4142
 Delta R.T. 0.00 min
 Lab File: VN050954.D
 Acq: 30 Aug 2018 11:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0830WBS01

Tot Ion:180 Resp: 97876
 Ion Ratio Lower Upper
 180 100
 182 94.8 48.2 144.6
 145 28.2 14.1 42.2

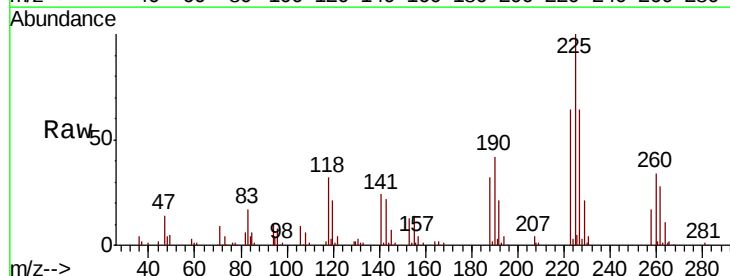


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

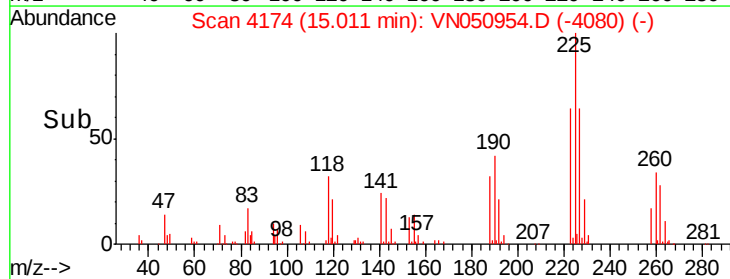
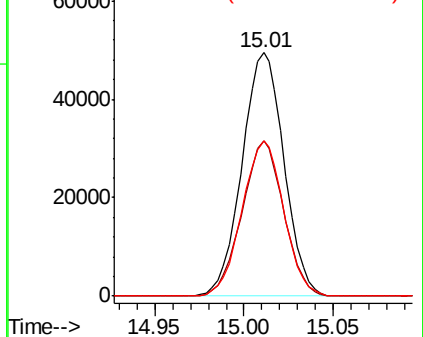


#94
 Hexachlorobutadiene
 Concen: 20.12 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. 0.00 min
 Lab File: VN050954.D
 Acq: 30 Aug 2018 11:43

Tgt Ion:225 Resp: 81291
 Ion Ratio Lower Upper
 225 100
 223 63.2 31.3 93.8
 227 63.4 32.0 96.2



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





#95

Naphthalene

Concen: 16.75 ug/l

RT: 15.13 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN050954.D

Acq: 30 Aug 2018 11:43

Instrument :

MSVOA_N

ClientSampled :

VN0830WBS01

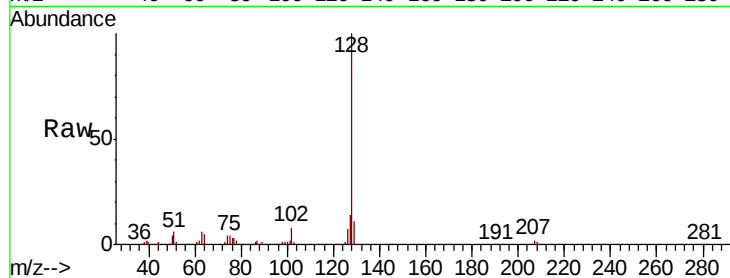
Tot Ion:128 Resp: 182086

Ion Ratio Lower Upper

128 100

127 13.3 10.5 15.7

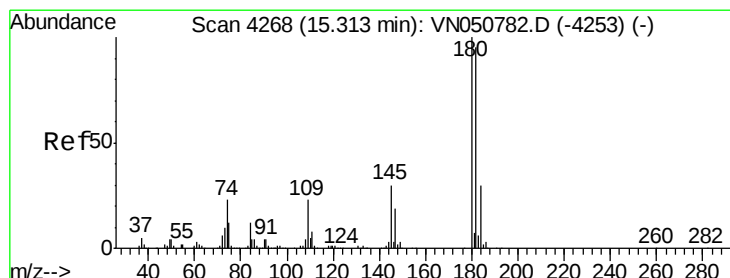
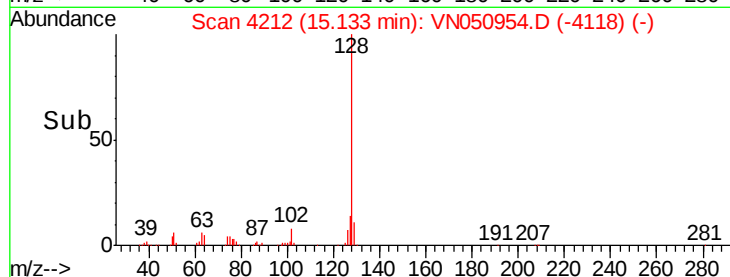
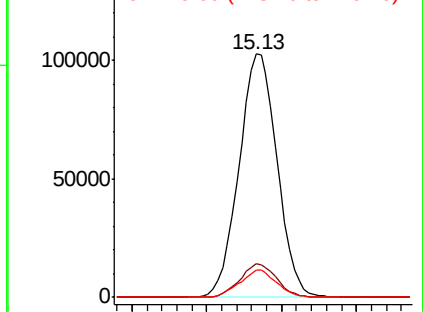
129 10.8 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 17.98 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. 0.00 min

Lab File: VN050954.D

Acq: 30 Aug 2018 11:43

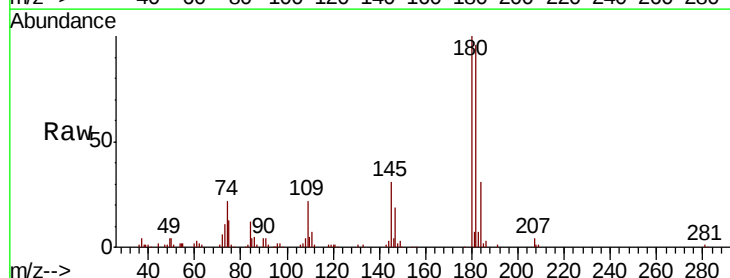
Tgt Ion:180 Resp: 101176

Ion Ratio Lower Upper

180 100

182 95.3 48.0 144.2

145 30.0 15.2 45.6



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

