

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082718\
 Data File : VN050892.D
 Acq On : 27 Aug 2018 12:30
 Operator : MD\SY
 Sample : VN0827WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0827WBSD01

Quant Time: Aug 28 01:37:22 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	587319	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	849900	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	767272	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	368992	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	358097	50.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.30%	
35) Dibromofluoromethane	7.59	113	342521	50.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.32%	
50) Toluene-d8	10.09	98	1236657	48.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.84%	
62) 4-Bromofluorobenzene	12.40	95	390997	46.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	161195	20.51	ug/l	99
3) Chloromethane	2.06	50	190772	19.68	ug/l	99
4) Vinyl Chloride	2.18	62	183095	19.94	ug/l	99
5) Bromomethane	2.56	94	107082	19.87	ug/l	99
6) Chloroethane	2.70	64	106128	20.00	ug/l	97
7) Trichlorofluoromethane	3.01	101	235116	19.99	ug/l	100
8) Diethyl Ether	3.41	74	82566	20.65	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	141934	19.32	ug/l	99
10) Methyl Iodide	3.95	142	112217	21.54	ug/l	99
11) Tert butyl alcohol	4.80	59	48330	107.34	ug/l	99
12) 1,1-Dichloroethene	3.73	96	131486	19.93	ug/l	98
13) Acrolein	3.61	56	25432	107.71	ug/l	95
14) Allyl chloride	4.33	41	207294	20.17	ug/l	99
15) Acrylonitrile	4.99	53	243596	106.46	ug/l	98
16) Acetone	3.82	43	176792	101.39	ug/l	100
17) Carbon Disulfide	4.05	76	398362	18.01	ug/l	99
18) Methyl Acetate	4.33	43	151405	22.68	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	361085	21.76	ug/l	100
20) Methylene Chloride	4.55	84	162702	20.42	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	142118	19.92	ug/l	98
22) Diisopropyl ether	5.96	45	451324	22.03	ug/l	99
23) Vinyl Acetate	5.90	43	1385197	105.00	ug/l	100
24) 1,1-Dichloroethane	5.85	63	271251	20.63	ug/l	99
25) 2-Butanone	6.84	43	266843	93.65	ug/l	99
26) 2,2-Dichloropropane	6.83	77	206430	19.53	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	161345	20.98	ug/l	99
28) Bromochloromethane	7.20	49	110293	19.74	ug/l	98
29) Tetrahydrofuran	7.21	42	179535	109.90	ug/l	99
30) Chloroform	7.37	83	273226	20.98	ug/l	99
31) Cyclohexane	7.66	56	216799	18.43	ug/l	94
32) 1,1,1-Trichloroethane	7.57	97	224533	20.07	ug/l	99
36) 1,1-Dichloropropene	7.80	75	192525	19.20	ug/l	99
37) Ethyl Acetate	6.93	43	122965	21.34	ug/l #	95
38) Carbon Tetrachloride	7.78	117	198898	19.62	ug/l	99

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 Misc : 5.00mL/MSVOA N/WATER
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 VN0827WBSD01

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	197388	18.19	ug/l	99
40) Benzene	8.04	78	612788	20.26	ug/l	99
41) Methacrylonitrile	7.18	41	64984	20.84	ug/l	97
42) 1,2-Dichloroethane	8.13	62	189616	20.97	ug/l	100
43) Isopropyl Acetate	8.17	43	228864	23.10	ug/l #	90
44) Trichloroethene	8.84	130	157382	19.73	ug/l	97
45) 1,2-Dichloropropane	9.12	63	164852	20.74	ug/l	97
46) Dibromomethane	9.21	93	96504	20.66	ug/l	98
47) Bromodichloromethane	9.40	83	203716	20.83	ug/l	99
48) Methyl methacrylate	9.20	41	104838	20.77	ug/l	99
49) 1,4-Dioxane	9.20	88	30216	439.07	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	606681	102.63	ug/l	100
52) Toluene	10.16	92	369850	20.64	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	196537	20.19	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	232658	20.87	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	140580	21.14	ug/l	98
56) Ethyl methacrylate	10.43	69	157334	19.68	ug/l	98
57) 1,3-Dichloropropane	10.71	76	231960	21.13	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	328786	95.07	ug/l	99
59) 2-Hexanone	10.75	43	390475	99.23	ug/l	98
60) Dibromochloromethane	10.90	129	156151	20.97	ug/l	99
61) 1,2-Dibromoethane	11.01	107	134244	20.88	ug/l	98
64) Tetrachloroethene	10.63	164	142808	19.60	ug/l	99
65) Chlorobenzene	11.44	112	399754	19.93	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	155288	21.16	ug/l	99
67) Ethyl Benzene	11.51	91	649927	19.93	ug/l	99
68) m/p-Xylenes	11.62	106	504578	40.77	ug/l	100
69) o-Xylene	11.95	106	241118	20.27	ug/l	98
70) Styrene	11.96	104	380765	18.97	ug/l	98
71) Bromoform	12.13	173	106577	21.12	ug/l #	100
73) Isopropylbenzene	12.25	105	625541	20.47	ug/l	99
74) N-amyl acetate	12.07	43	159196	20.74	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	174784	23.11	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	197758	30.60	ug/l #	100
77) Bromobenzene	12.53	156	172691	20.80	ug/l	98
78) n-propylbenzene	12.59	91	701275	20.55	ug/l	100
79) 2-Chlorotoluene	12.67	91	436107	20.51	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	518430	21.03	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	39324	20.57	ug/l	94
82) 4-Chlorotoluene	12.77	91	431881	20.58	ug/l	99
83) tert-Butylbenzene	12.99	119	435820	20.41	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	524723	21.16	ug/l	99
85) sec-Butylbenzene	13.17	105	573136	20.49	ug/l	100
86) p-Isopropyltoluene	13.29	119	488783	20.50	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	279116	19.81	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	266418	19.21	ug/l	100
89) n-Butylbenzene	13.62	91	356979	18.72	ug/l	98
90) Hexachloroethane	13.87	117	94527	20.91	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	275675	20.28	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	22277	20.30	ug/l	97

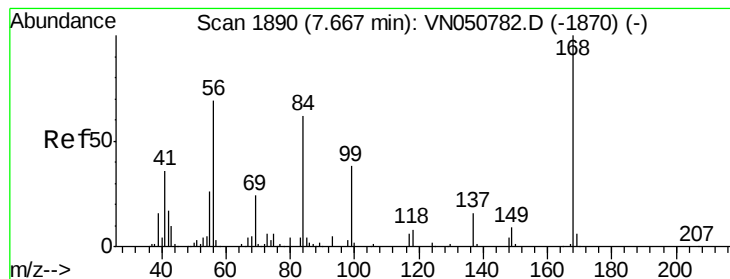
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082718\
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Acq On : 27 Aug 2018 12:30
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Sample : VN0827WBSD01
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082118W.M
Quant Title : SW846 8260
QLast Update : Wed Aug 22 05:38:12 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	103277	17.49	ug/l	99
94) Hexachlorobutadiene	15.01	225	83334	20.01	ug/l	99
95) Naphthalene	15.13	128	197252	17.33	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	106583	18.31	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN050892.D

Acq: 27 Aug 2018 12:30

Instrument :

MSVOA_N

ClientSampleId :

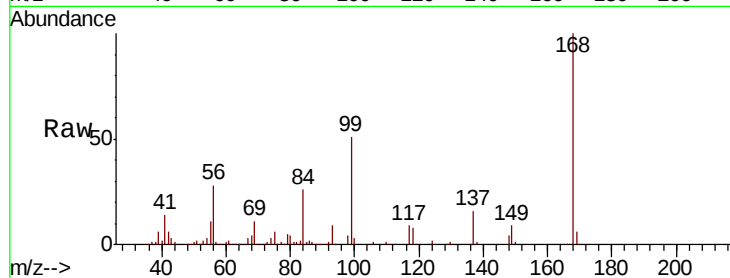
VN0827WBSD01

Tot Ion:168 Resp: 587319

Ion Ratio Lower Upper

168 100

99 50.2 39.6 59.4



Abundance Ion 167.90 (167.60 to 168.60): VN050892.D (-1870) (-)

Ion 98.90 (98.60 to 99.60): VN050892.D (-1870) (-)

7.67

250000

200000

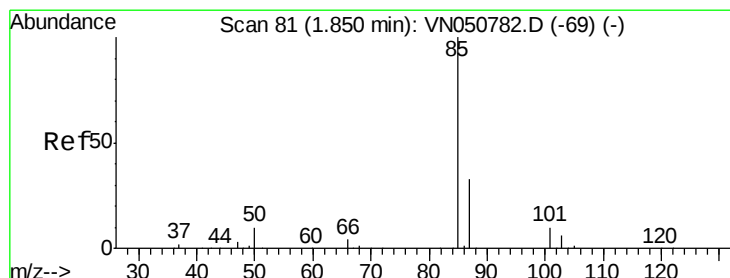
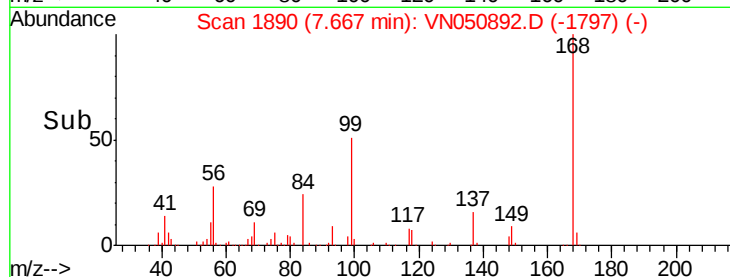
150000

100000

50000

0

Time--> 7.55 7.60 7.65 7.70 7.75



#2

Dichlorodifluoromethane

Concen: 20.51 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN050892.D

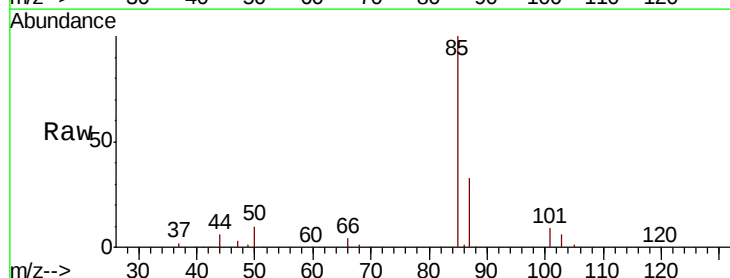
Acq: 27 Aug 2018 12:30

Tgt Ion: 85 Resp: 161195

Ion Ratio Lower Upper

85 100

87 33.3 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VN050892.D (-69) (-)

Ion 86.90 (86.60 to 87.60): VN050892.D (-69) (-)

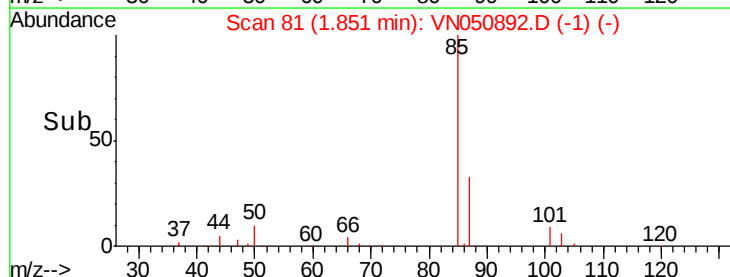
1.85

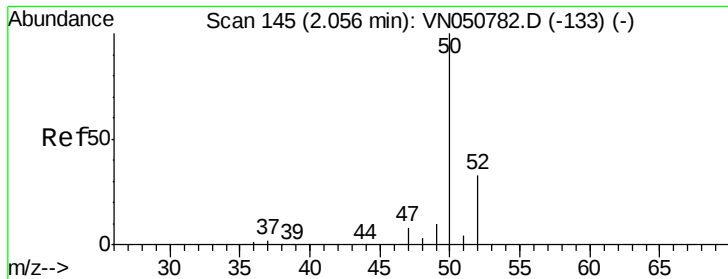
100000

50000

0

Time--> 1.80 1.85 1.90 1.95





#3

Chloromethane

Concen: 19.68 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN050892.D

Acq: 27 Aug 2018 12:30

Instrument :

MSVOA_N

ClientSampleId :

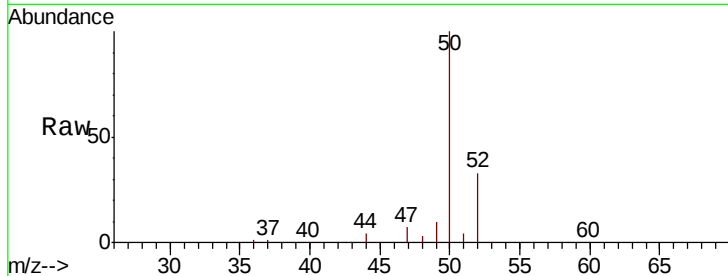
VN0827WBSD01

Tot Ion: 50 Resp: 190772

Ion Ratio Lower Upper

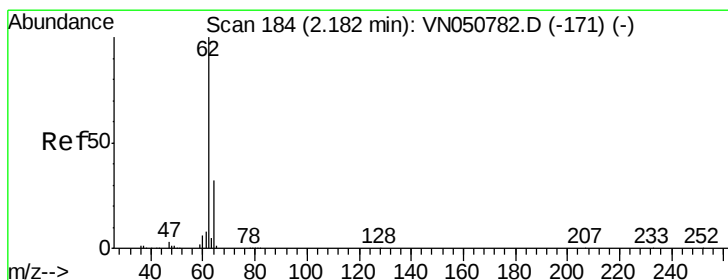
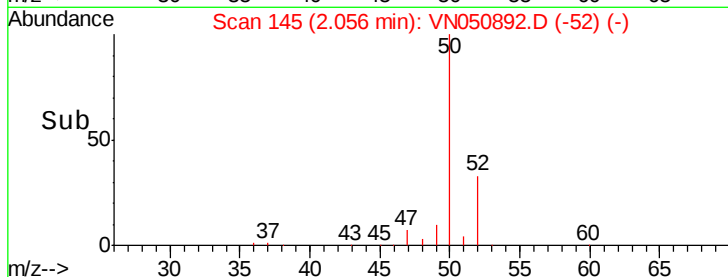
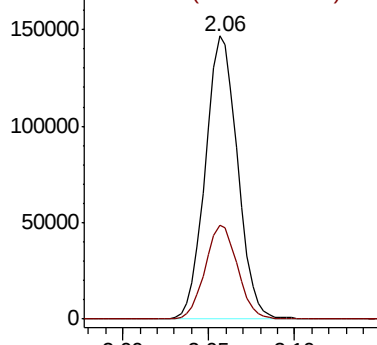
50 100

52 33.4 26.3 39.5



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 19.94 ug/l

RT: 2.18 min Scan# 184

Delta R.T. 0.00 min

Lab File: VN050892.D

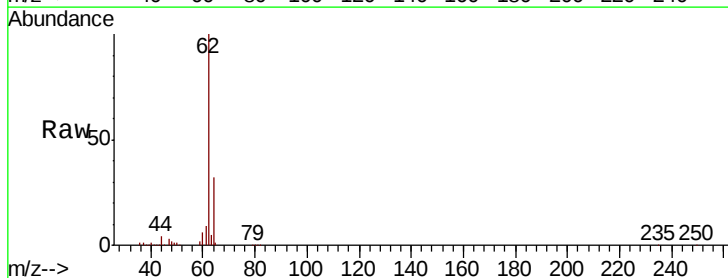
Acq: 27 Aug 2018 12:30

Tgt Ion: 62 Resp: 183095

Ion Ratio Lower Upper

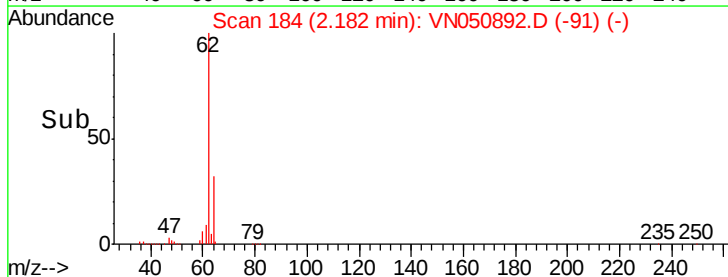
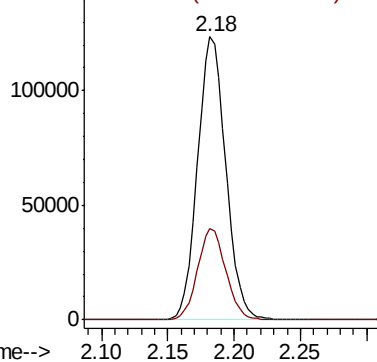
62 100

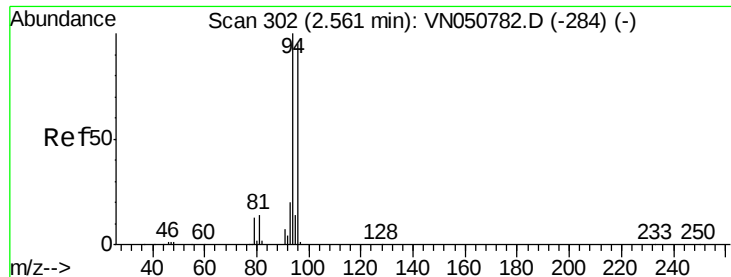
64 32.1 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 19.87 ug/l

RT: 2.56 min Scan# 303

Delta R.T. 0.00 min

Lab File: VN050892.D

Acq: 27 Aug 2018 12:30

Instrument :

MSVOA_N

ClientSampleId :

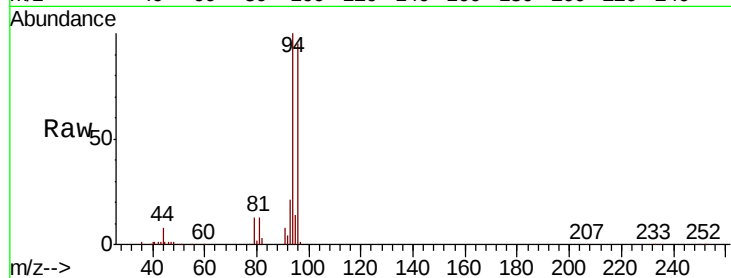
VN0827WBSD01

Tot Ion: 94 Resp: 107082

Ion Ratio Lower Upper

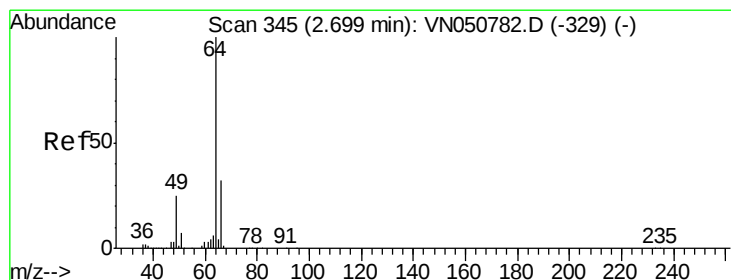
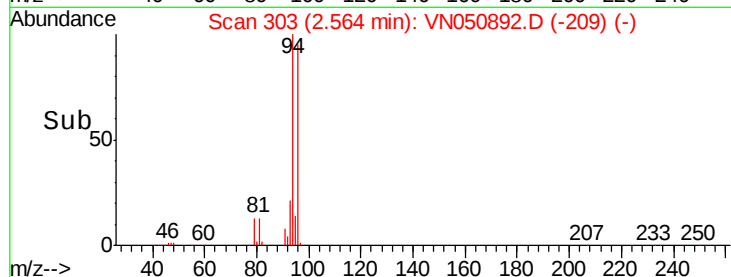
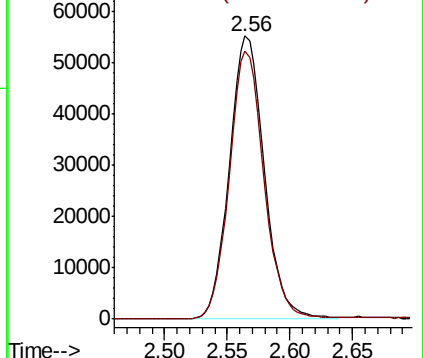
94 100

96 94.3 76.2 114.2



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 20.00 ug/l

RT: 2.70 min Scan# 345

Delta R.T. 0.00 min

Lab File: VN050892.D

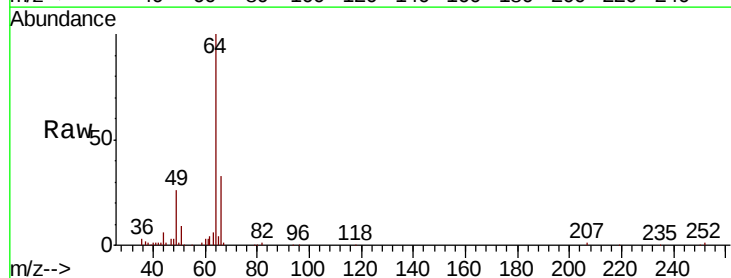
Acq: 27 Aug 2018 12:30

Tgt Ion: 64 Resp: 106128

Ion Ratio Lower Upper

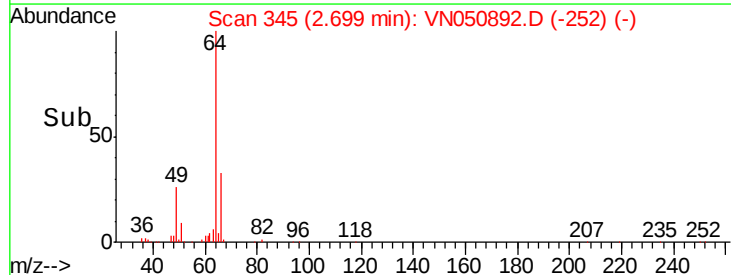
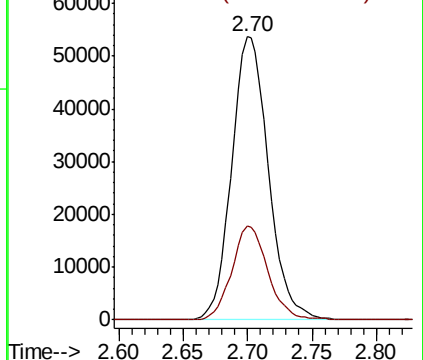
64 100

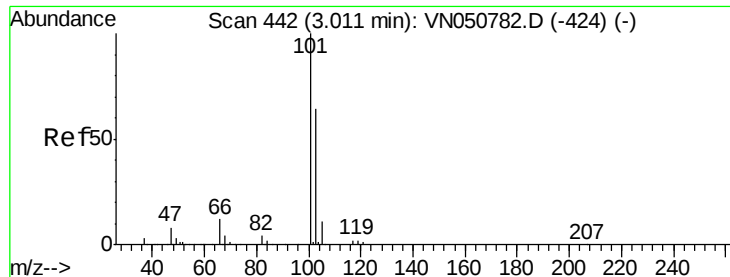
66 33.3 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



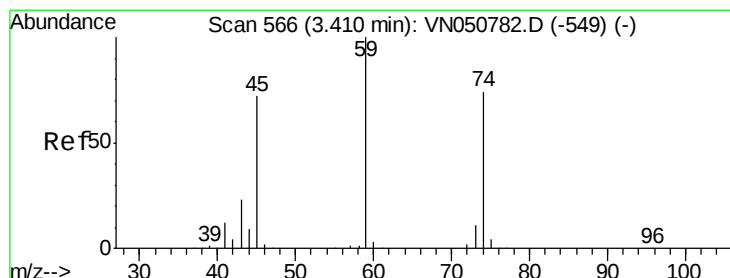
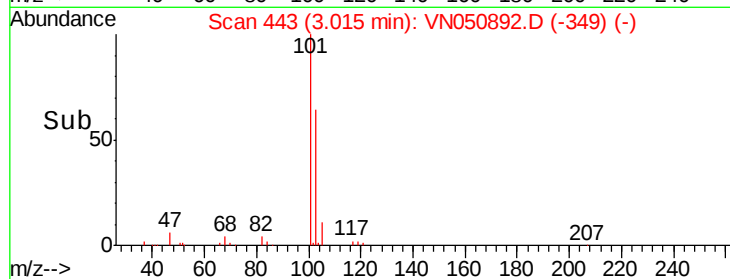
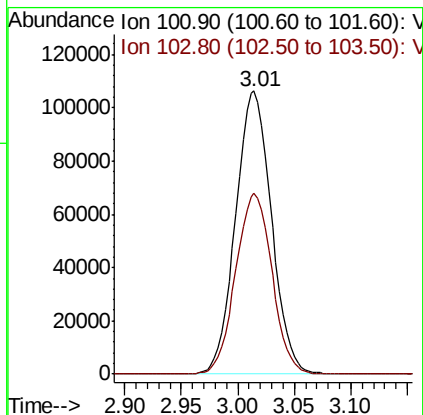
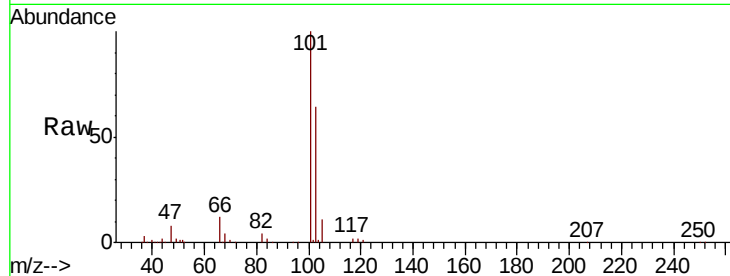


#7

Trichlorofluoromethane
 Concen: 19.99 ug/l
 RT: 3.01 min Scan# 443
 Delta R.T. 0.00 min
 Lab File: VN050892.D
 Acq: 27 Aug 2018 12:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0827WBSD01

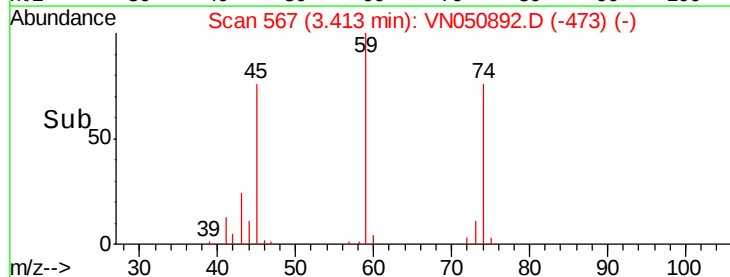
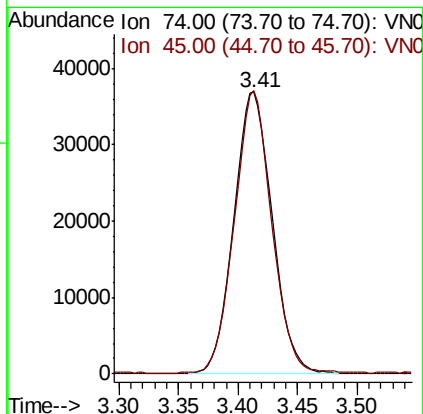
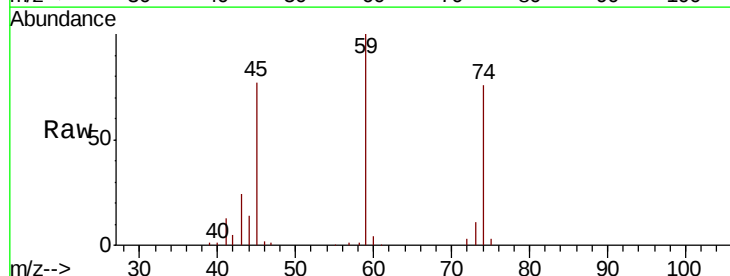
Tot Ion:101 Resp: 235116
 Ion Ratio Lower Upper
 101 100
 103 64.1 51.6 77.4



#8

Diethyl Ether
 Concen: 20.65 ug/l
 RT: 3.41 min Scan# 567
 Delta R.T. 0.00 min
 Lab File: VN050892.D
 Acq: 27 Aug 2018 12:30

Tgt Ion: 74 Resp: 82566
 Ion Ratio Lower Upper
 74 100
 45 98.4 48.2 144.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.32 ug/l

RT: 3.76 min Scan# 674

Delta R.T. 0.00 min

Lab File: VN050892.D

Acq: 27 Aug 2018 12:30

Instrument :

MSVOA_N

ClientSampleId :

VN0827WBSD01

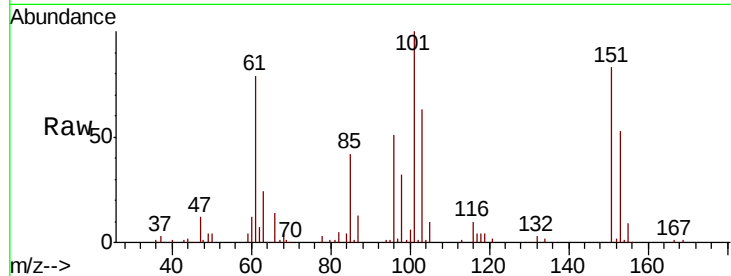
Tot Ion:101 Resp: 141934

Ion Ratio Lower Upper

101 100

85 42.2 33.7 50.5

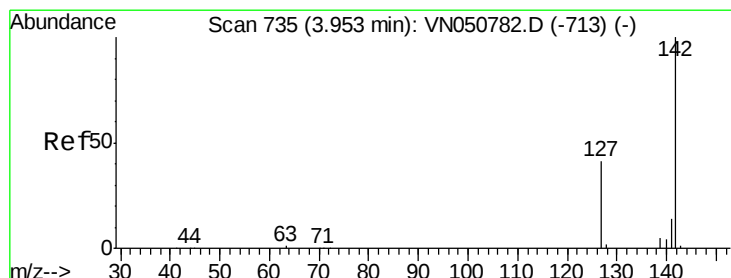
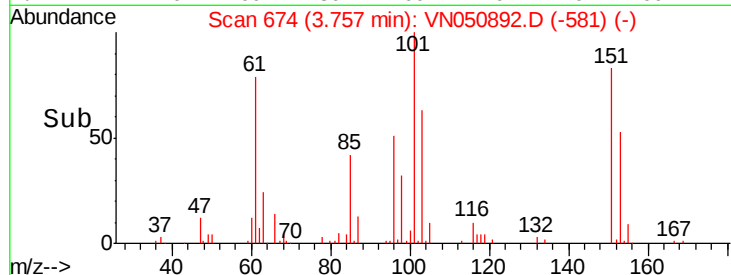
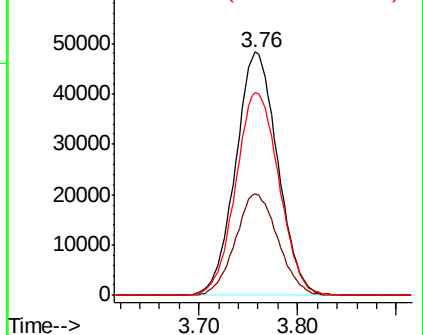
151 85.8 67.4 101.2



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: 21.54 ug/l

RT: 3.95 min Scan# 734

Delta R.T. -0.00 min

Lab File: VN050892.D

Acq: 27 Aug 2018 12:30

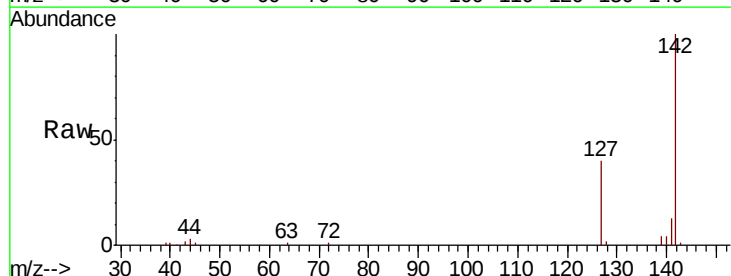
Tgt Ion:142 Resp: 112217

Ion Ratio Lower Upper

142 100

127 40.6 31.7 47.5

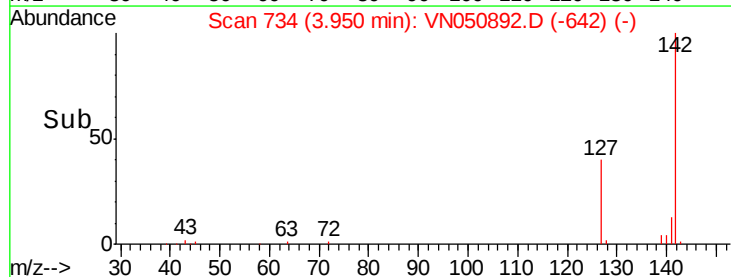
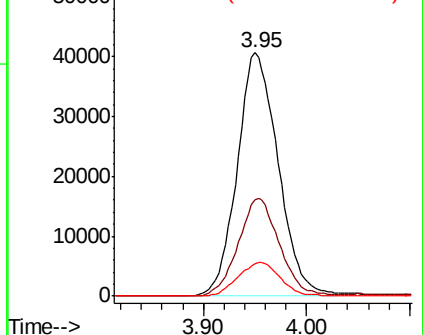
141 14.1 11.4 17.0

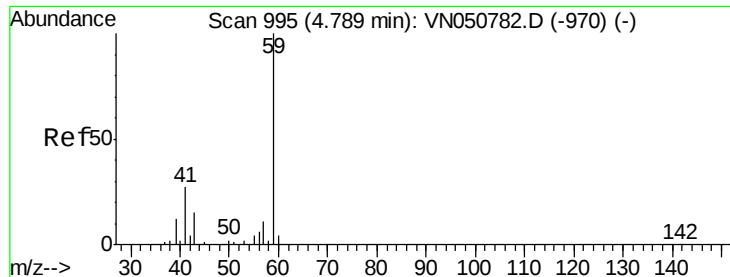


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



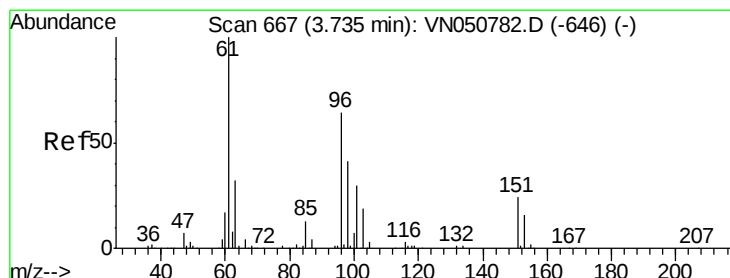
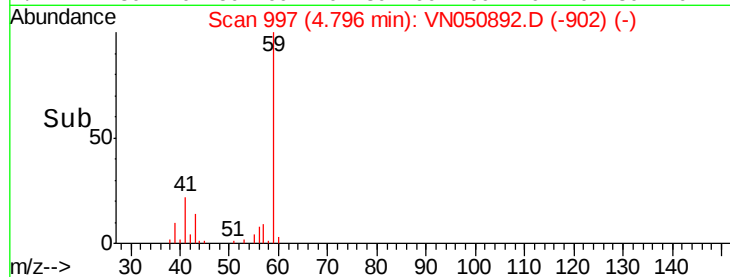
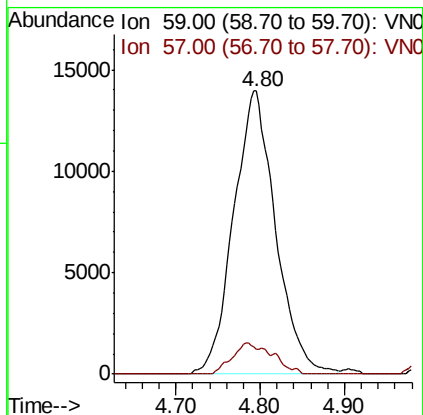
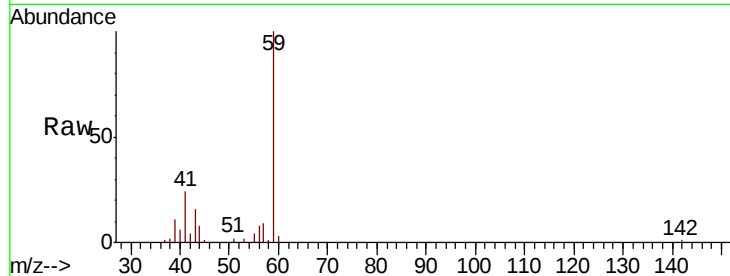


#11

Tert butyl alcohol
 Concen: 107.34 ug/l
 RT: 4.80 min Scan# 997
 Delta R.T. 0.01 min
 Lab File: VN050892.D
 Acq: 27 Aug 2018 12:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0827WBSD01

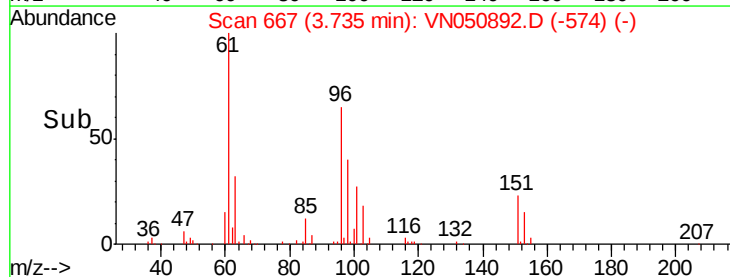
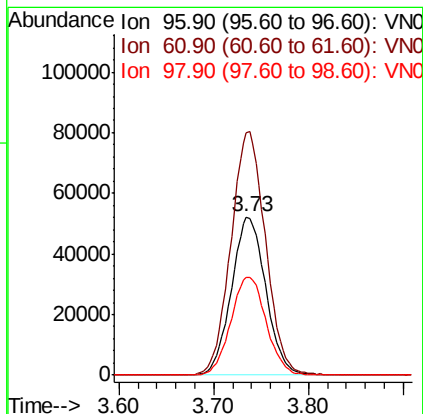
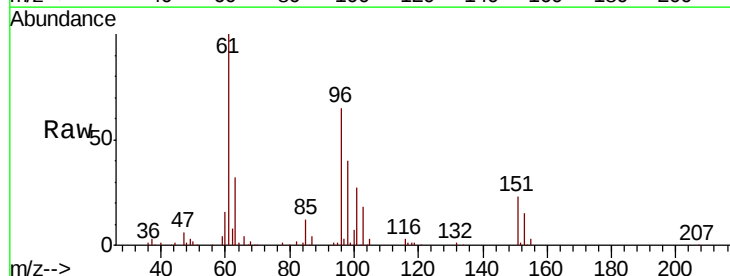
Tot Ion: 59 Resp: 48330
 Ion Ratio Lower Upper
 59 100
 57 10.6 8.3 12.5

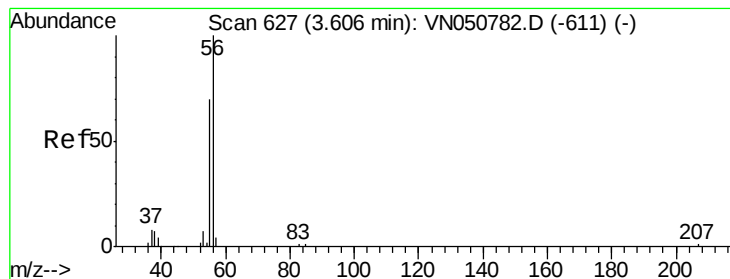


#12

1,1-Dichloroethene
 Concen: 19.93 ug/l
 RT: 3.73 min Scan# 667
 Delta R.T. 0.00 min
 Lab File: VN050892.D
 Acq: 27 Aug 2018 12:30

Tgt Ion: 96 Resp: 131486
 Ion Ratio Lower Upper
 96 100
 61 153.4 124.9 187.3
 98 62.0 51.1 76.7





#13

Acrolein

Concen: 107.71 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN050892.D

Acq: 27 Aug 2018 12:30

Instrument :

MSVOA_N

ClientSampleId :

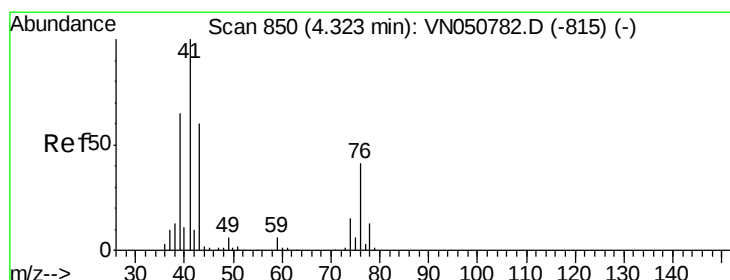
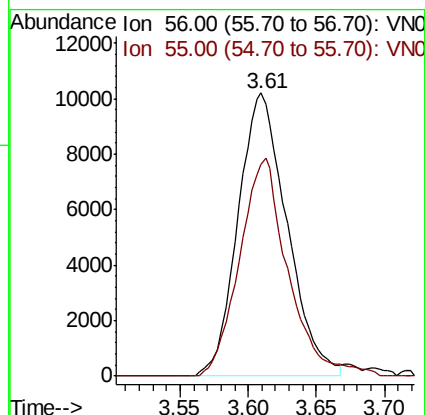
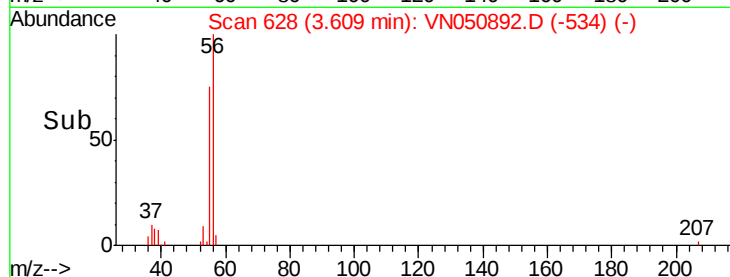
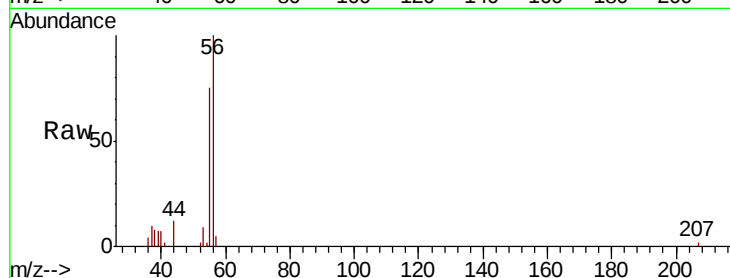
VN0827WBSD01

Tot Ion: 56 Resp: 25432

Ion Ratio Lower Upper

56 100

55 76.3 57.7 86.5



#14

Allyl chloride

Concen: 20.17 ug/l

RT: 4.33 min Scan# 851

Delta R.T. 0.00 min

Lab File: VN050892.D

Acq: 27 Aug 2018 12:30

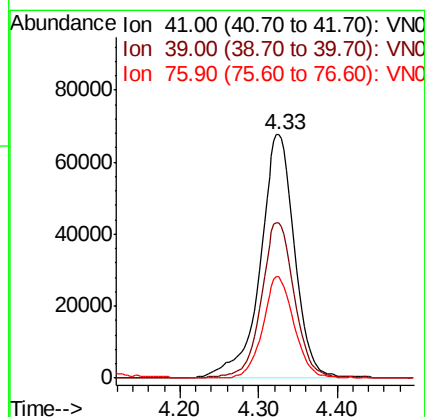
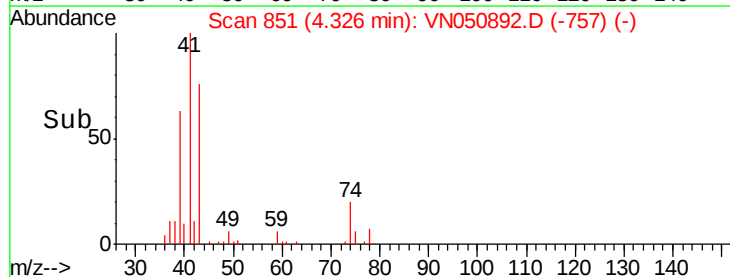
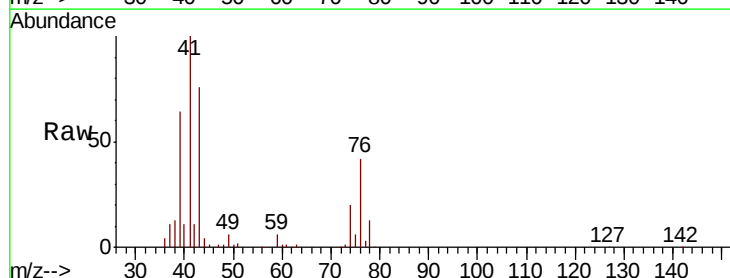
Tgt Ion: 41 Resp: 207294

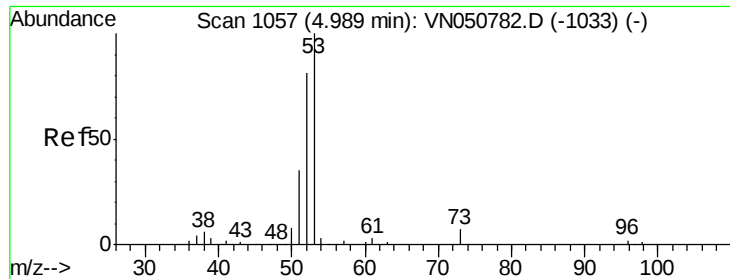
Ion Ratio Lower Upper

41 100

39 61.9 50.2 75.2

76 38.1 29.8 44.8





#15

Acrylonitrile

Concen: 106.46 ug/l

RT: 4.99 min Scan# 1058

Delta R.T. 0.00 min

Lab File: VN050892.D

Acq: 27 Aug 2018 12:30

Instrument :

MSVOA_N

ClientSampleId :

VN0827WBSD01

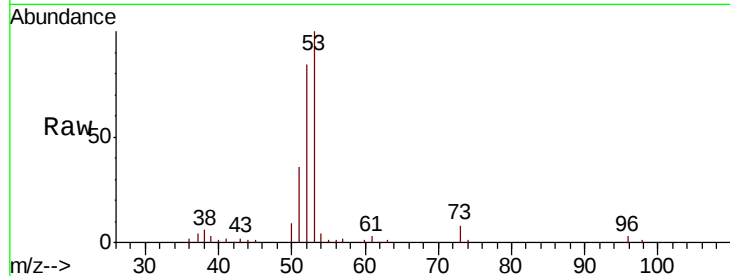
Tot Ion: 53 Resp: 243596

Ion Ratio Lower Upper

53 100

52 83.9 65.9 98.9

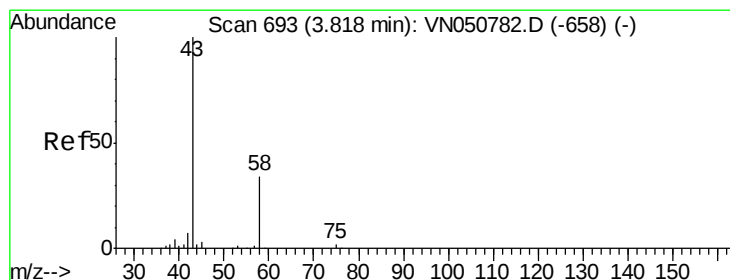
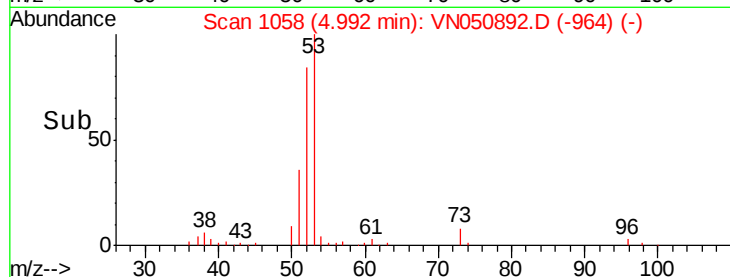
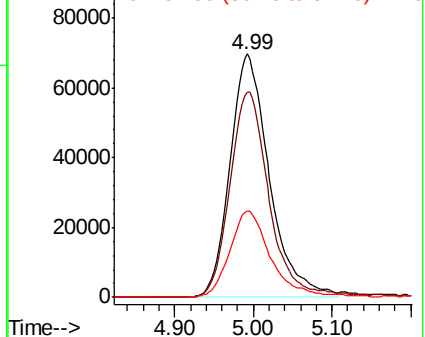
51 37.0 28.6 43.0



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 101.39 ug/l

RT: 3.82 min Scan# 694

Delta R.T. 0.00 min

Lab File: VN050892.D

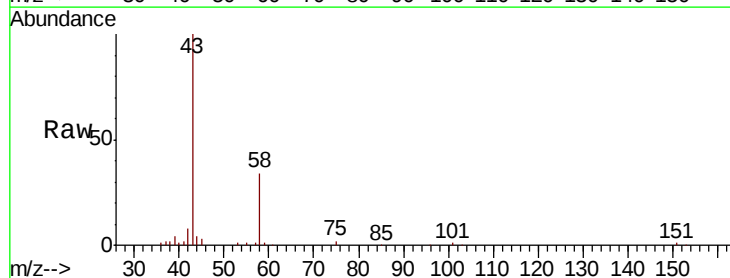
Acq: 27 Aug 2018 12:30

Tgt Ion: 43 Resp: 176792

Ion Ratio Lower Upper

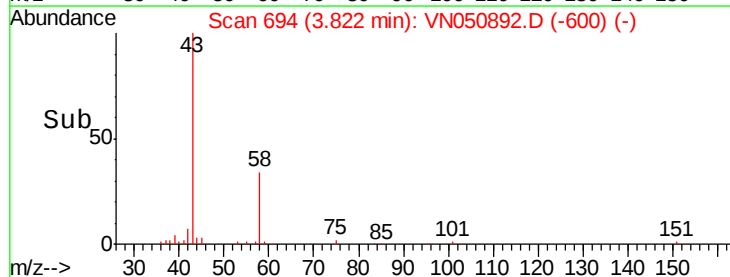
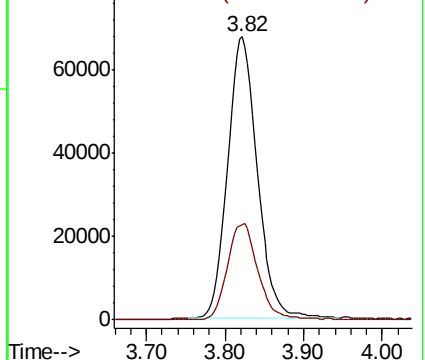
43 100

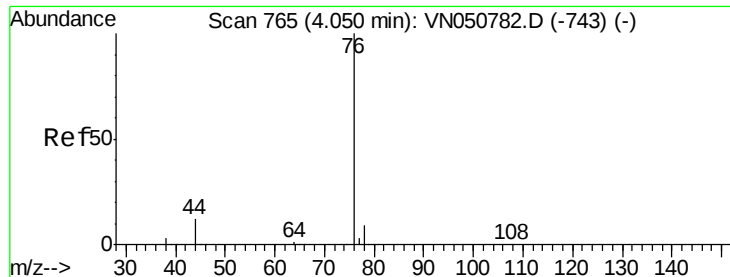
58 33.8 27.2 40.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

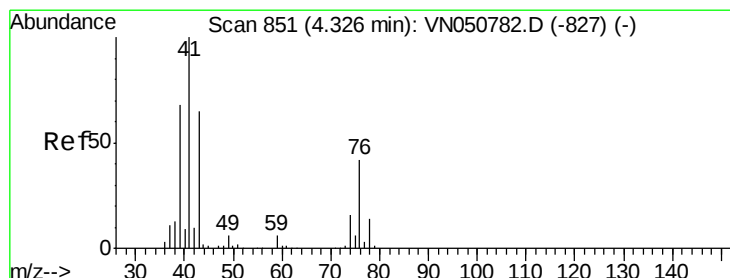
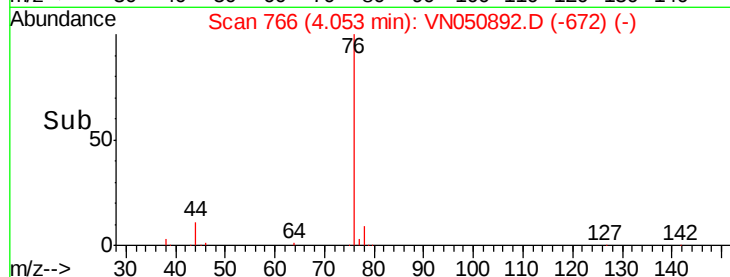
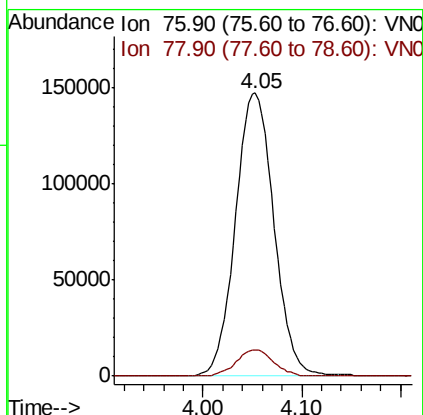
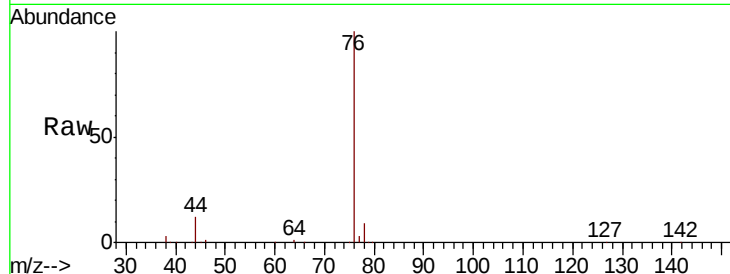




#17
Carbon Disulfide
Concen: 18.01 ug/l
RT: 4.05 min Scan# 766
Delta R.T. 0.00 min
Lab File: VN050892.D
Acq: 27 Aug 2018 12:30

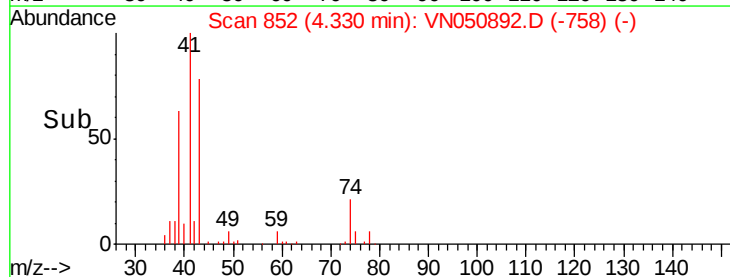
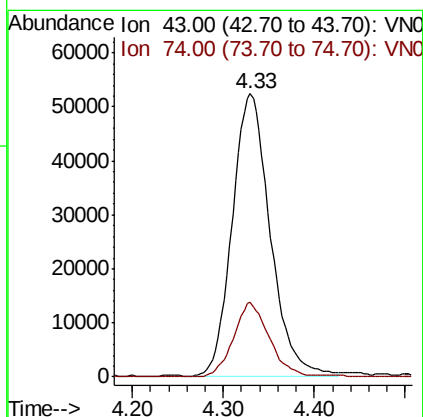
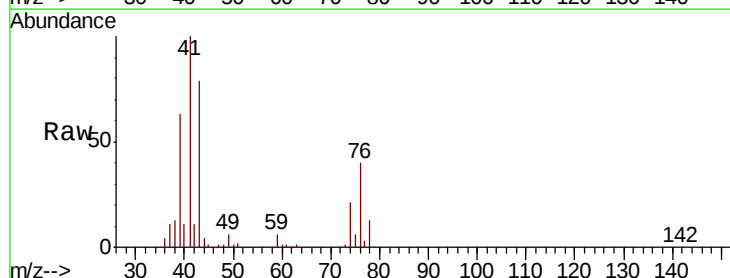
Instrument :
MSVOA_N
ClientSampleId :
VN0827WBSD01

Tot Ion: 76 Resp: 398362
Ion Ratio Lower Upper
76 100
78 9.3 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: VN050892.D
Acq: 27 Aug 2018 12:30

Tgt Ion: 43 Resp: 151405
Ion Ratio Lower Upper
43 100
74 24.8 19.8 29.8

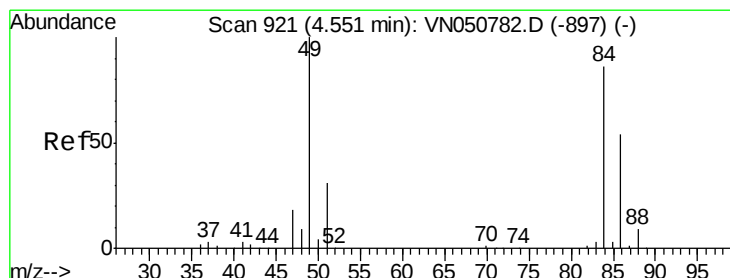
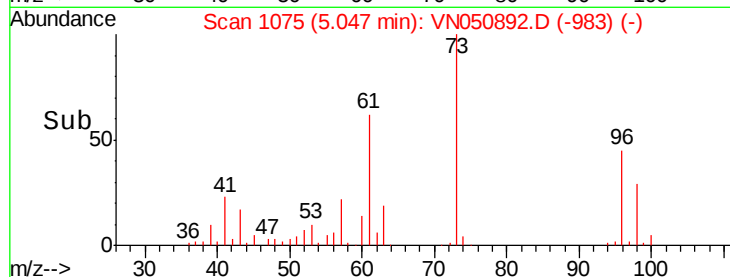
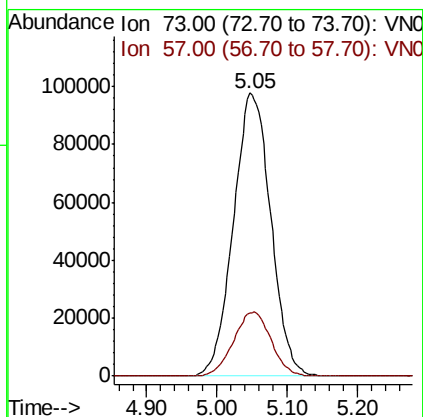
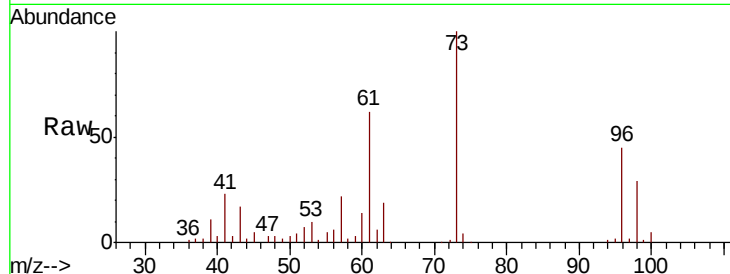




#19
Methyl tert-butyl Ether
Concen: 21.76 ug/l
RT: 5.05 min Scan# 1075
Delta R.T. -0.00 min
Lab File: VN050892.D
Acq: 27 Aug 2018 12:30

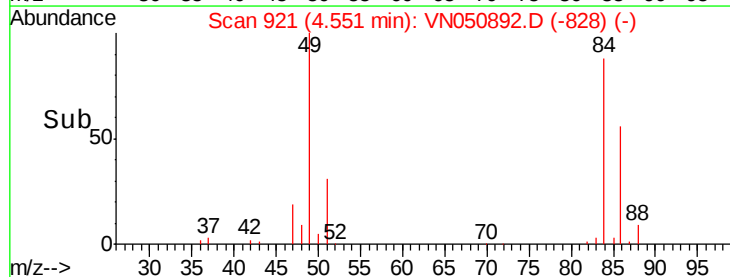
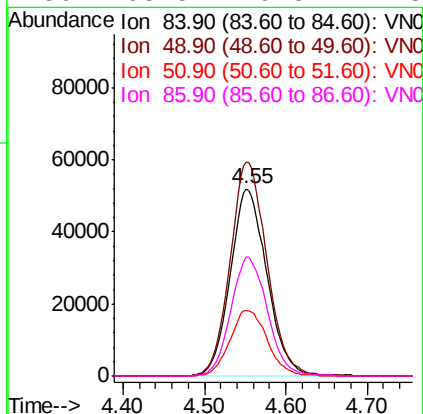
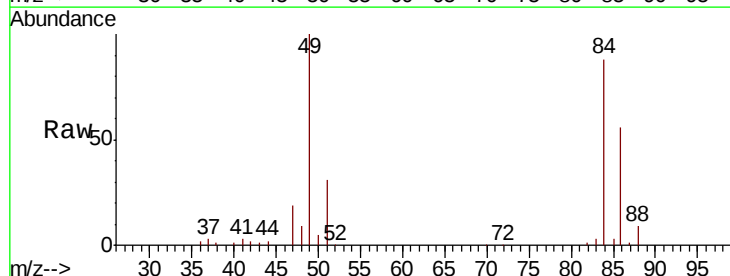
Instrument :
MSVOA_N
ClientSampleId :
VN0827WBSD01

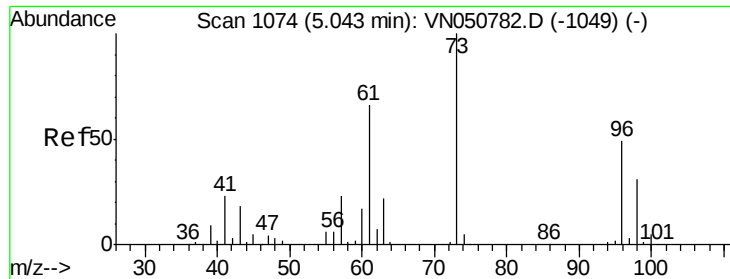
Tot Ion: 73 Resp: 361085
Ion Ratio Lower Upper
73 100
57 22.2 17.8 26.8



#20
Methylene Chloride
Concen: 20.42 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN050892.D
Acq: 27 Aug 2018 12:30

Tgt Ion: 84 Resp: 162702
Ion Ratio Lower Upper
84 100
49 114.2 93.2 139.8
51 34.9 29.0 43.6
86 63.5 49.8 74.8

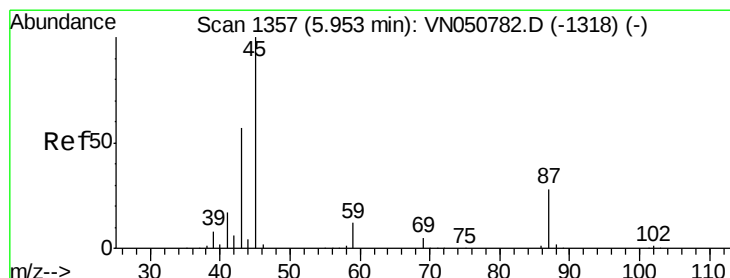
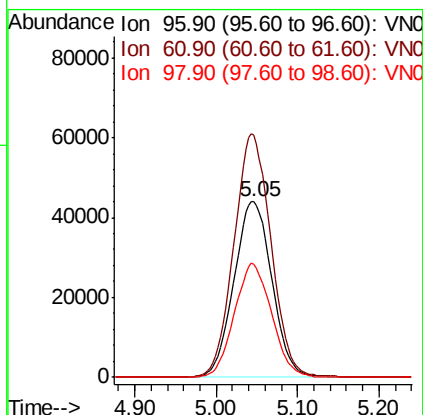
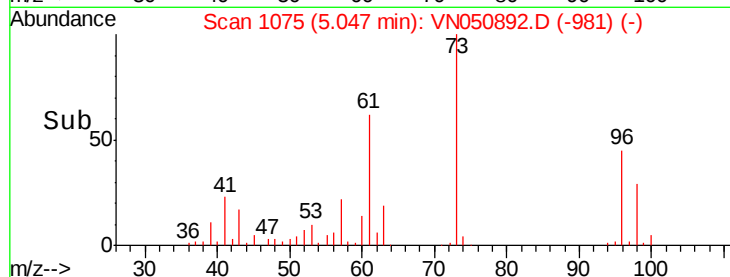
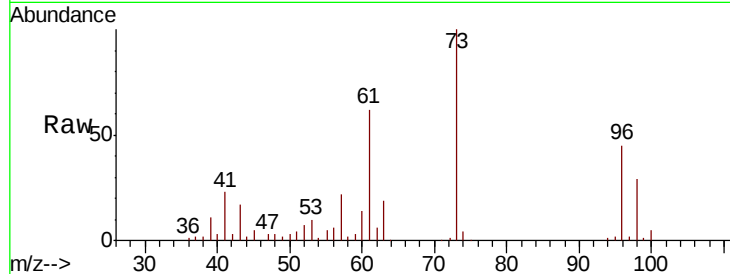




#21
trans-1,2-Dichloroethene
Concen: 19.92 ug/l
RT: 5.05 min Scan# 1075
Delta R.T. 0.00 min
Lab File: VN050892.D
Acq: 27 Aug 2018 12:30

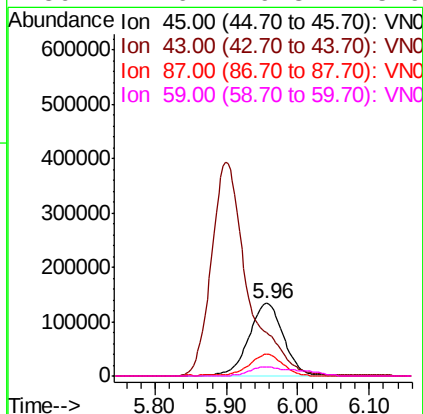
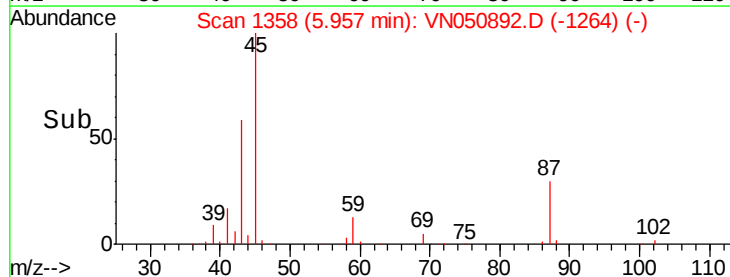
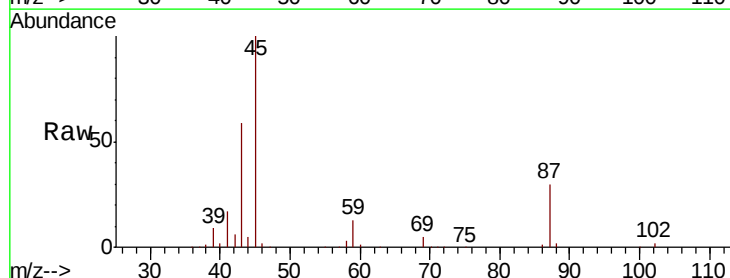
Instrument :
MSVOA_N
ClientSampleId :
VN0827WBSD01

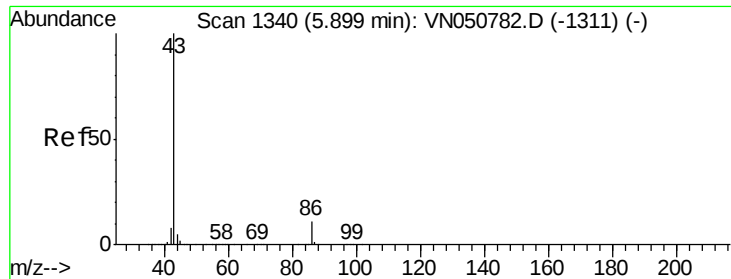
Tot Ion: 96 Resp: 142118
Ion Ratio Lower Upper
96 100
61 137.5 107.4 161.0
98 64.1 50.7 76.1



#22
Diisopropyl ether
Concen: 22.03 ug/l
RT: 5.96 min Scan# 1358
Delta R.T. 0.00 min
Lab File: VN050892.D
Acq: 27 Aug 2018 12:30

Tgt Ion: 45 Resp: 451324
Ion Ratio Lower Upper
45 100
43 57.7 45.9 68.9
87 29.6 22.7 34.1
59 12.6 9.3 13.9





#23

Vinyl Acetate

Concen: 105.00 ug/l

RT: 5.90 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VN050892.D

Acq: 27 Aug 2018 12:30

Instrument :

MSVOA_N

ClientSampleId :

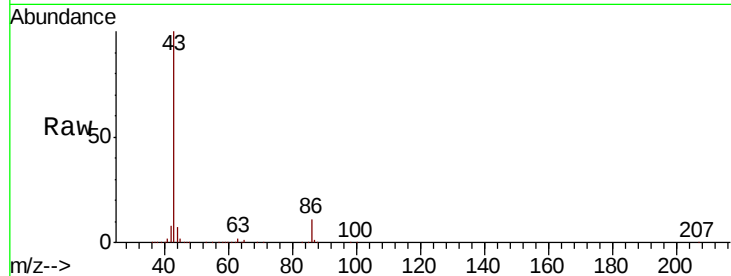
VN0827WBSD01

Tot Ion: 43 Resp: 1385197

Ion Ratio Lower Upper

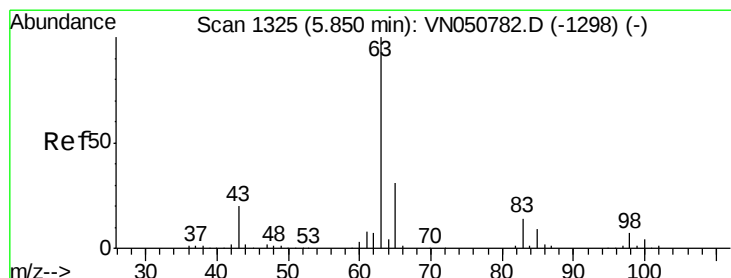
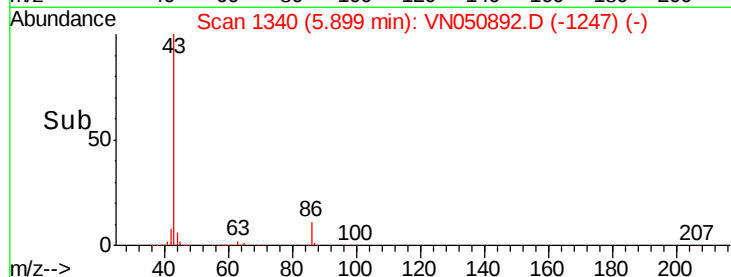
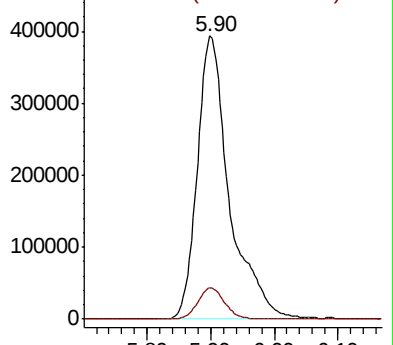
43 100

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: 20.63 ug/l

RT: 5.85 min Scan# 1325

Delta R.T. 0.00 min

Lab File: VN050892.D

Acq: 27 Aug 2018 12:30

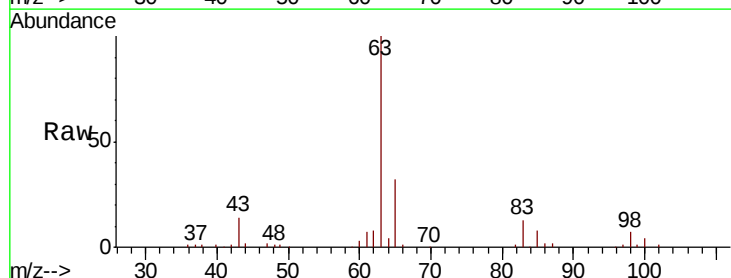
Tgt Ion: 63 Resp: 271251

Ion Ratio Lower Upper

63 100

98 6.8 3.3 9.8

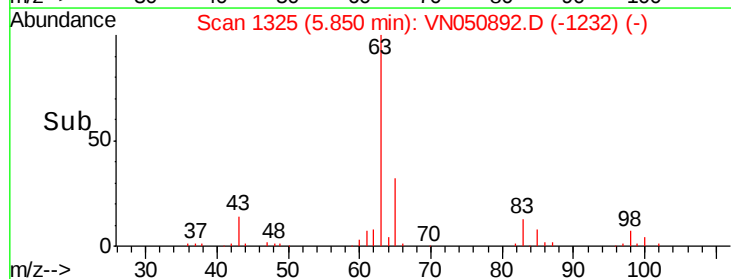
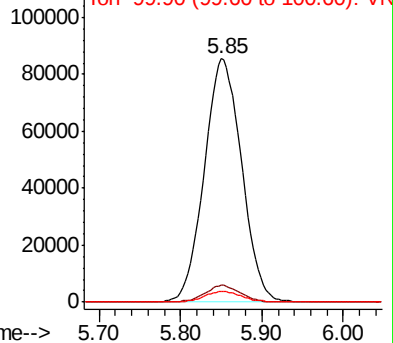
100 4.4 2.1 6.5

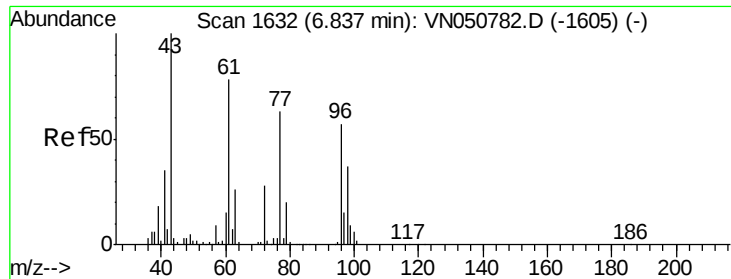


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

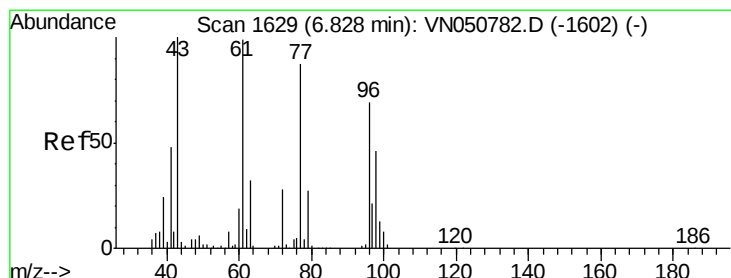
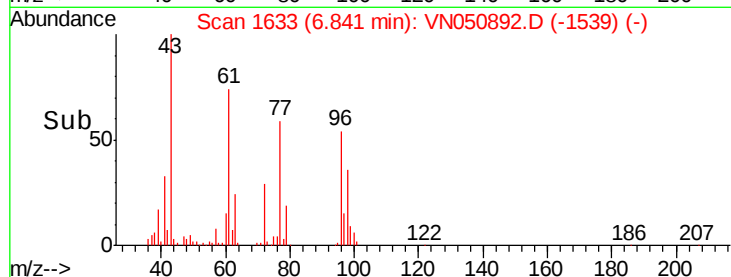
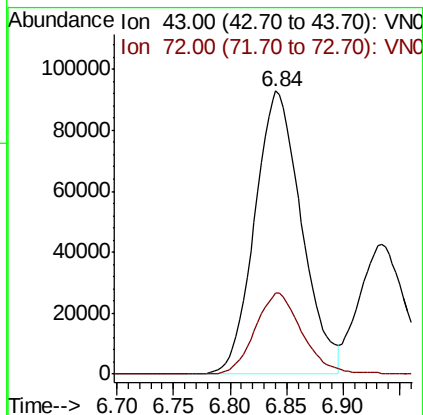
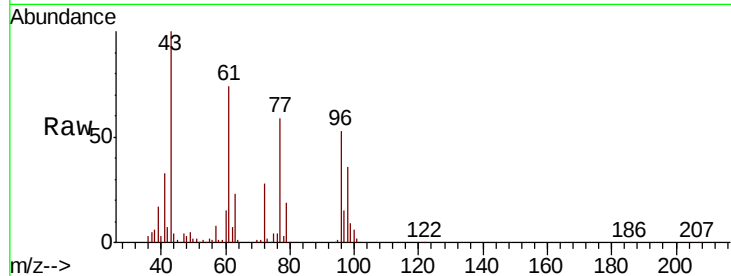




#25
 2-Butanone
 Concen: 93.65 ug/l
 RT: 6.84 min Scan# 1633
 Delta R.T. 0.00 min
 Lab File: VN050892.D
 Acq: 27 Aug 2018 12:30

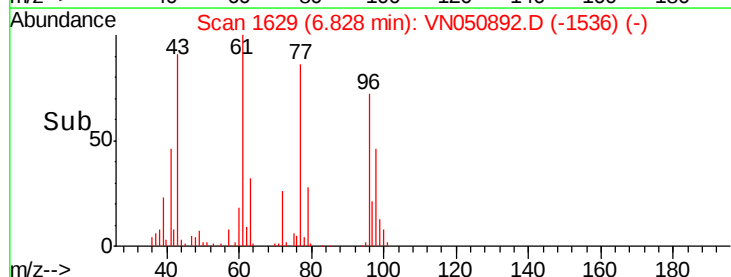
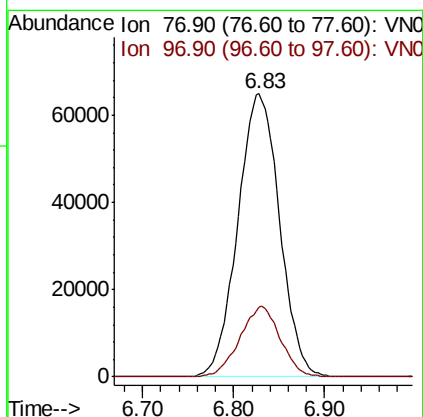
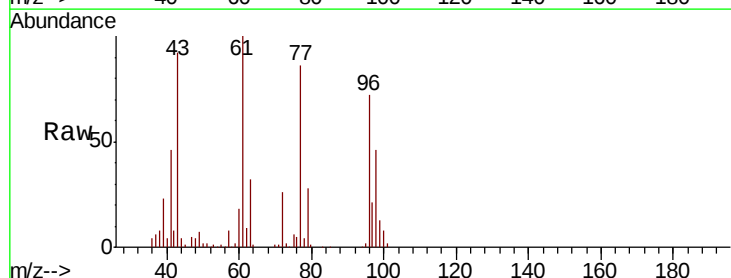
Instrument :
 MSVOA_N
 ClientSampled :
 VN0827WBSD01

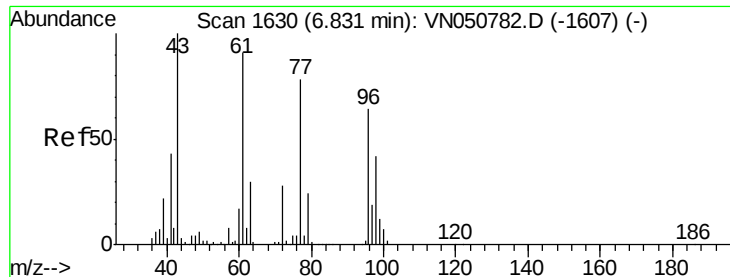
Tot Ion: 43 Resp: 266843
 Ion Ratio Lower Upper
 43 100
 72 28.5 22.3 33.5



#26
 2,2-Dichloropropane
 Concen: 19.53 ug/l
 RT: 6.83 min Scan# 1629
 Delta R.T. 0.00 min
 Lab File: VN050892.D
 Acq: 27 Aug 2018 12:30

Tgt Ion: 77 Resp: 206430
 Ion Ratio Lower Upper
 77 100
 97 24.0 12.0 36.0





#27

cis-1,2-Dichloroethene

Concen: 20.98 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VN050892.D

Acq: 27 Aug 2018 12:30

Instrument :

MSVOA_N

ClientSampleId :

VN0827WBSD01

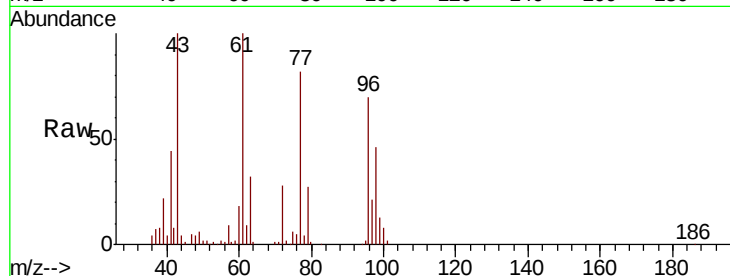
Tot Ion: 96 Resp: 161345

Ion Ratio Lower Upper

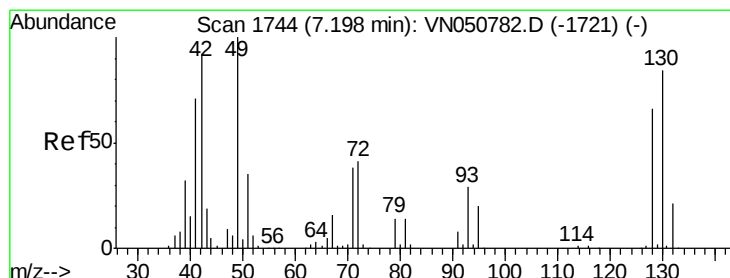
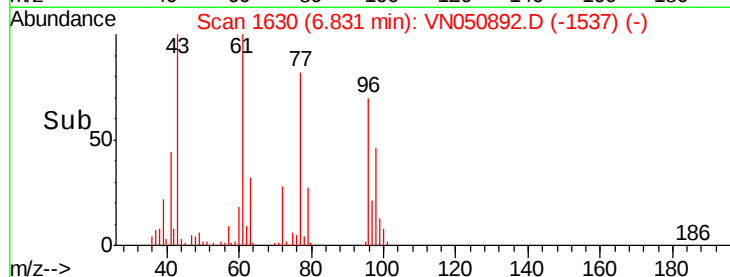
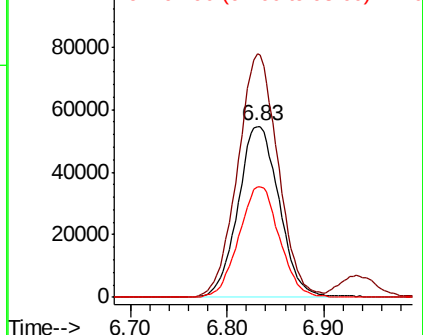
96 100

61 139.8 0.0 283.4

98 64.0 0.0 129.8



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



#28

Bromochloromethane

Concen: 19.74 ug/l

RT: 7.20 min Scan# 1744

Delta R.T. 0.00 min

Lab File: VN050892.D

Acq: 27 Aug 2018 12:30

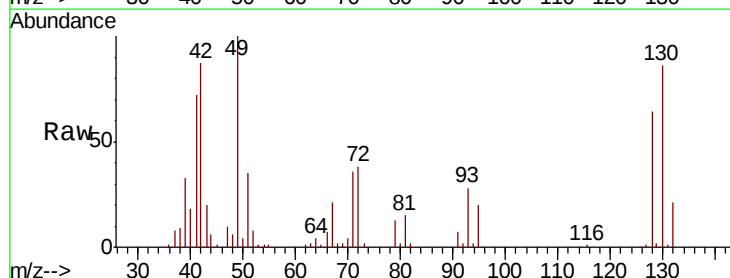
Tgt Ion: 49 Resp: 110293

Ion Ratio Lower Upper

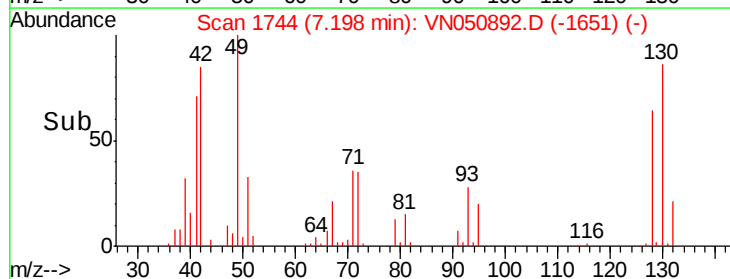
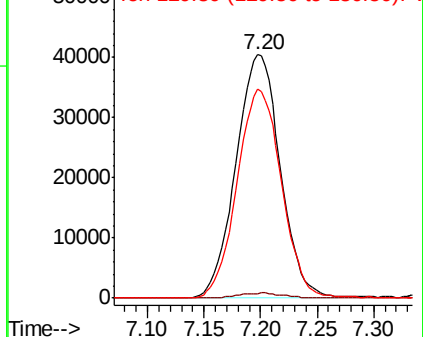
49 100

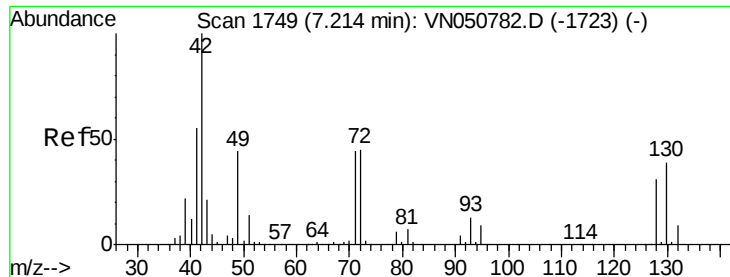
129 2.0 0.0 4.2

130 85.9 67.1 100.7



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





#29

Tetrahydrofuran

Concen: 109.90 ug/l

RT: 7.21 min Scan# 1749

Delta R.T. 0.00 min

Lab File: VN050892.D

Acq: 27 Aug 2018 12:30

Instrument :

MSVOA_N

ClientSampleId :

VN0827WBSD01

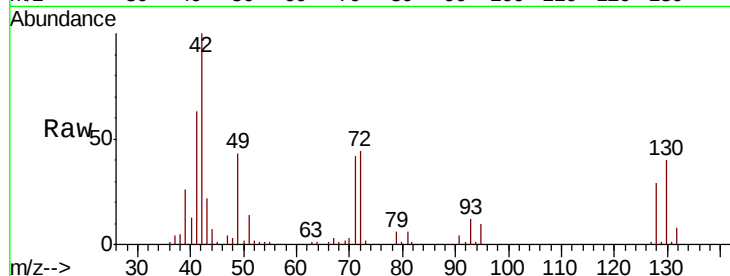
Tot Ion: 42 Resp: 179535

Ion Ratio Lower Upper

42 100

72 44.5 35.5 53.3

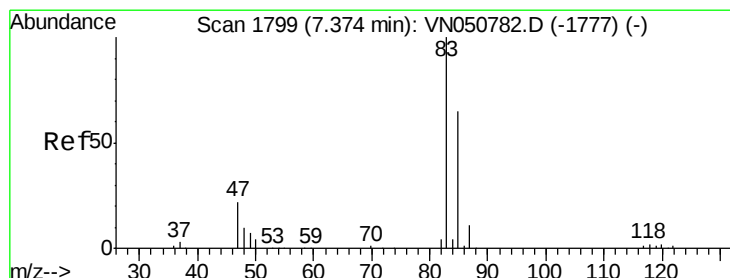
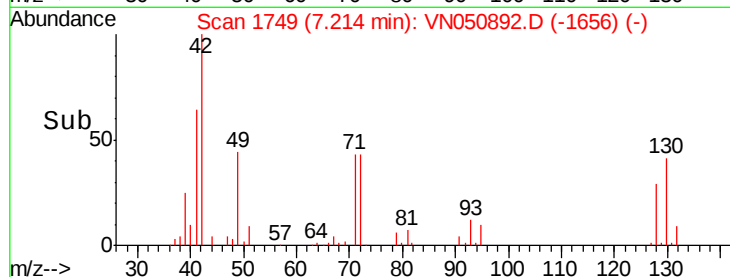
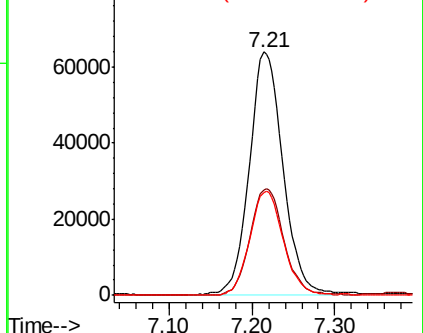
71 42.8 33.7 50.5



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: 20.98 ug/l

RT: 7.37 min Scan# 1799

Delta R.T. 0.00 min

Lab File: VN050892.D

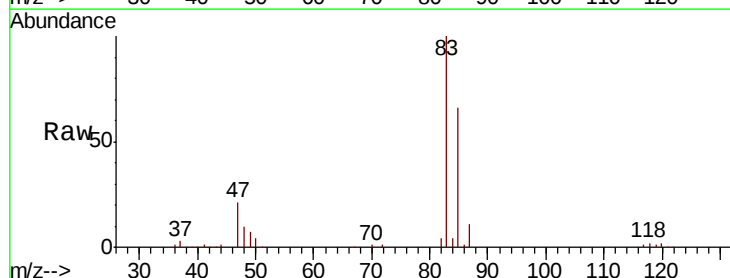
Acq: 27 Aug 2018 12:30

Tgt Ion: 83 Resp: 273226

Ion Ratio Lower Upper

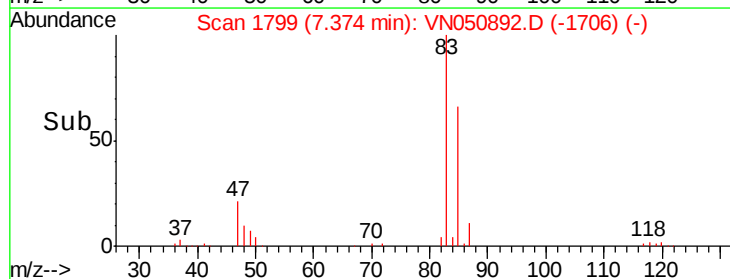
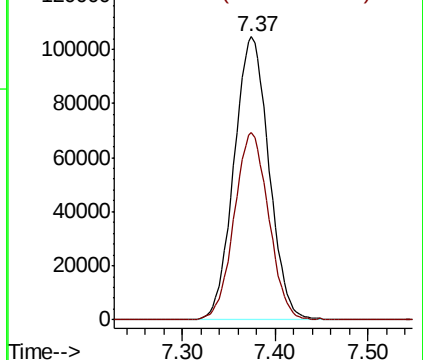
83 100

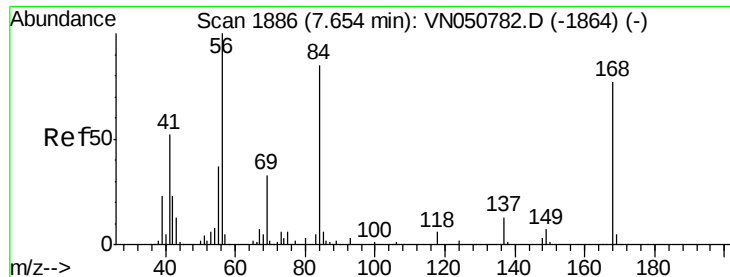
85 66.3 52.2 78.4



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

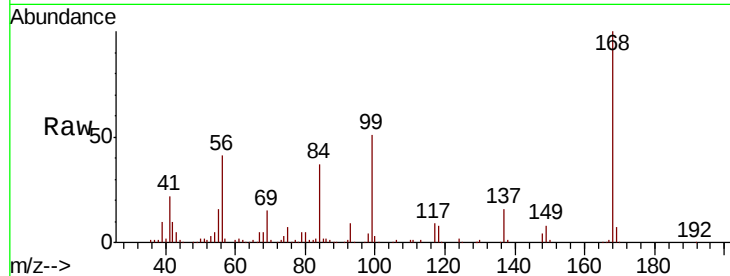




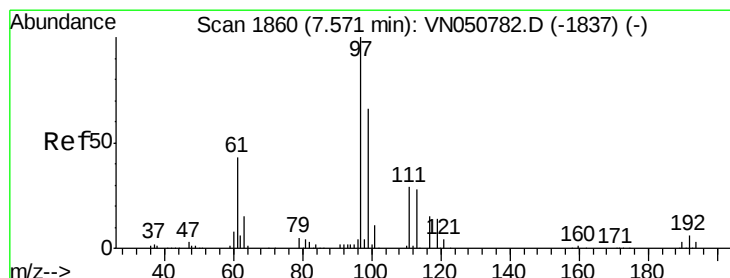
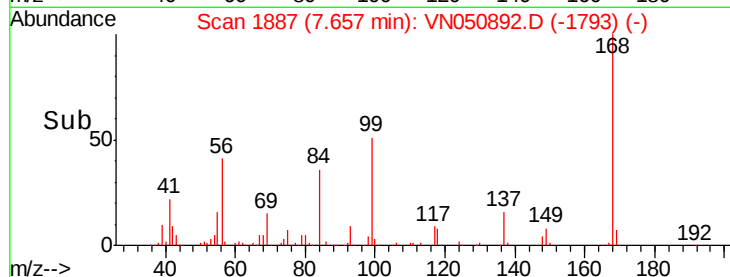
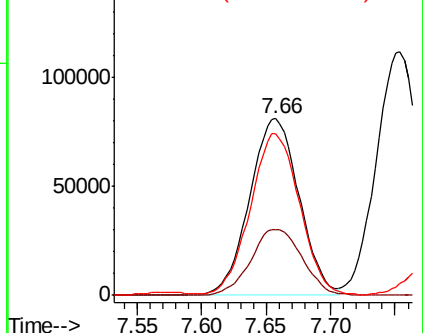
#31
Cyclohexane
Concen: 18.43 ug/l
RT: 7.66 min Scan# 1887
Delta R.T. 0.00 min
Lab File: VN050892.D
Acq: 27 Aug 2018 12:30

Instrument :
MSVOA_N
ClientSampled :
VN0827WBSD01

Tot Ion: 56 Resp: 216799
Ion Ratio Lower Upper
56 100
69 37.5 26.2 39.4
84 90.4 68.3 102.5

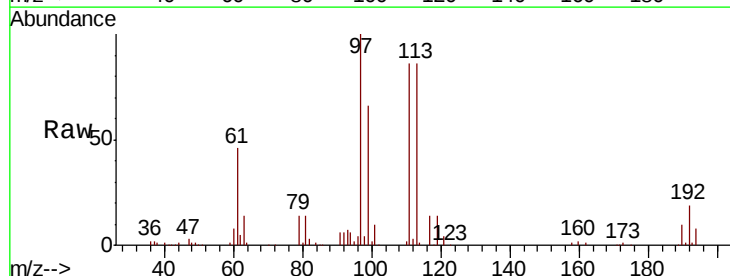


Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO

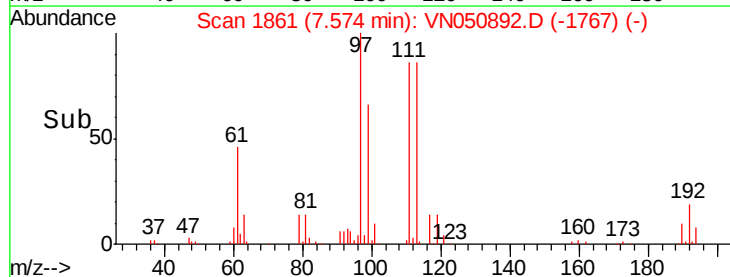
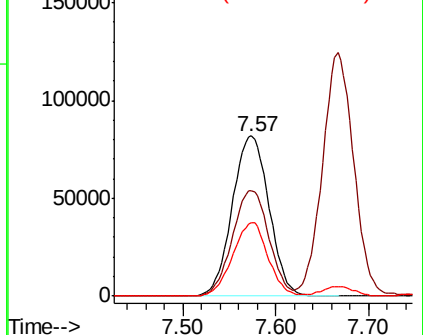


#32
1,1,1-Trichloroethane
Concen: 20.07 ug/l
RT: 7.57 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN050892.D
Acq: 27 Aug 2018 12:30

Tgt Ion: 97 Resp: 224533
Ion Ratio Lower Upper
97 100
99 65.7 51.8 77.6
61 44.2 34.9 52.3



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

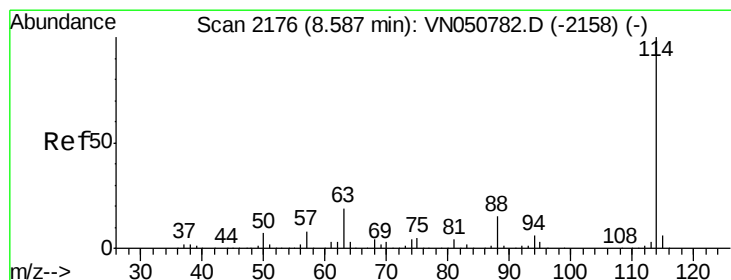
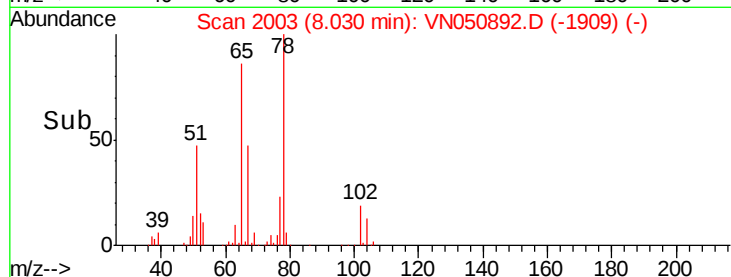
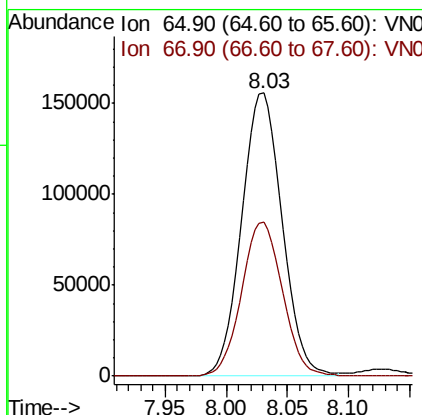
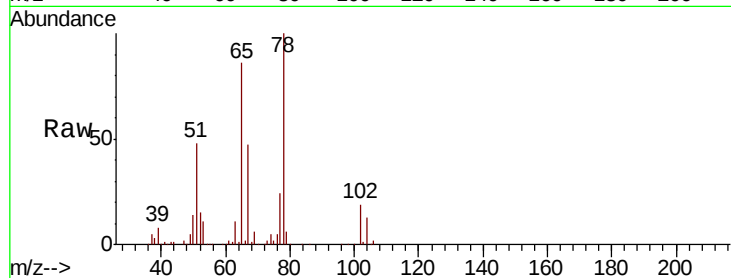




#33
 1,2-Dichloroethane-d4
 Concen: 50.65 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050892.D
 Acq: 27 Aug 2018 12:30

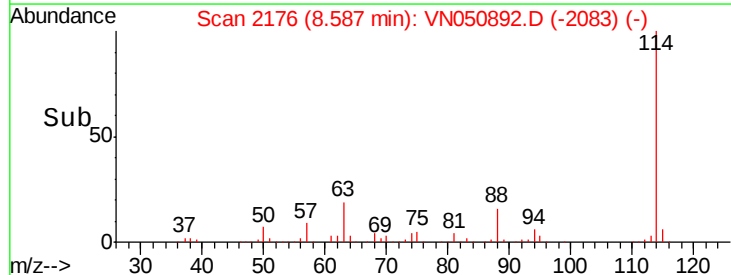
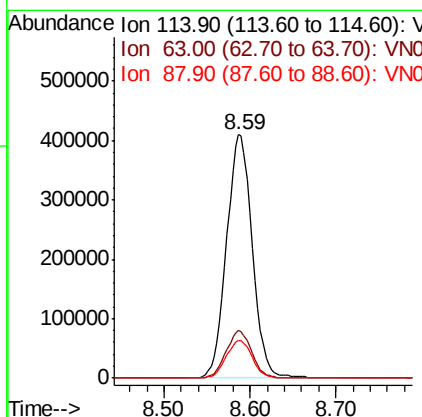
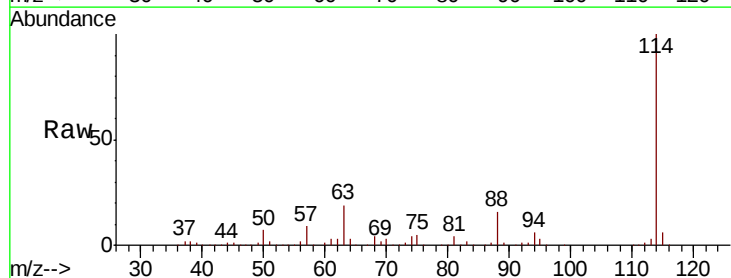
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0827WBSD01

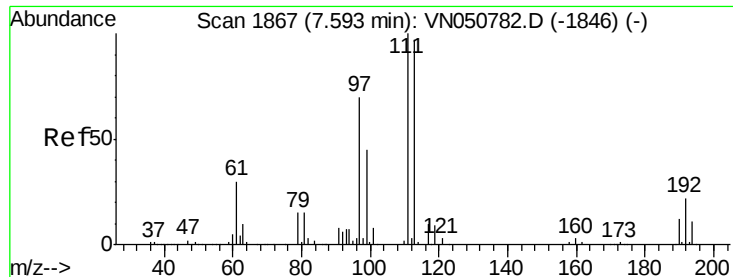
Tot Ion: 65 Resp: 358097
 Ion Ratio Lower Upper
 65 100
 67 54.9 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN050892.D
 Acq: 27 Aug 2018 12:30

Tgt Ion: 114 Resp: 849900
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 38.6
 88 15.6 0.0 30.6

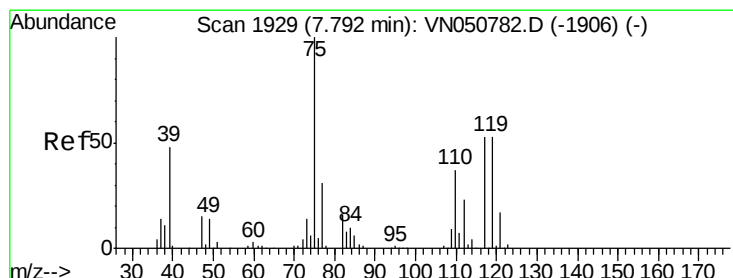
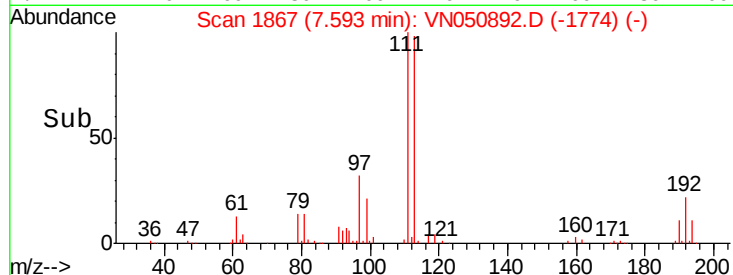
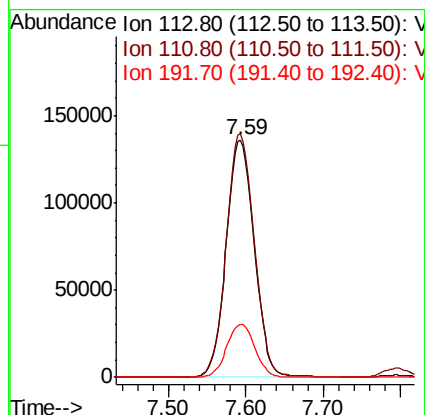
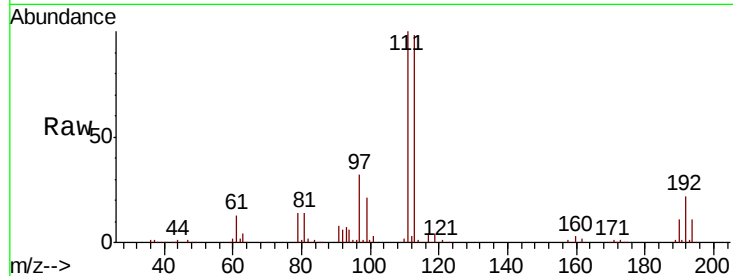




#35
 Dibromofluoromethane
 Concen: 50.66 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050892.D
 Acq: 27 Aug 2018 12:30

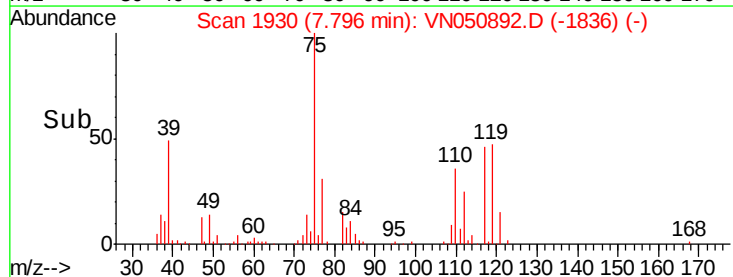
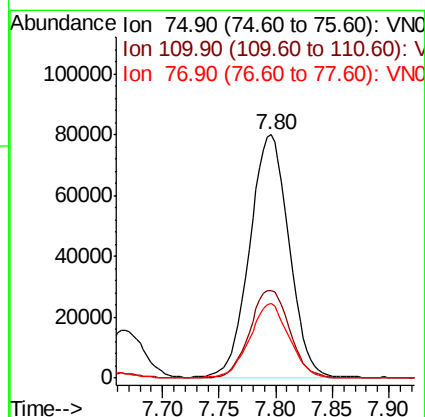
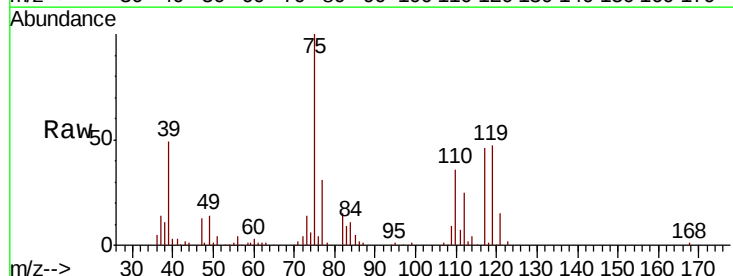
Instrument :
 MSVOA_N
 ClientSampled :
 VN0827WBSD01

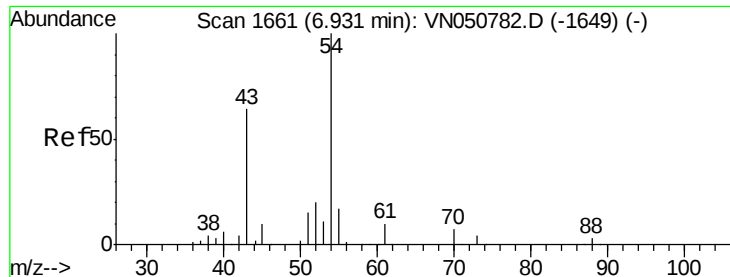
Tot Ion:113 Resp: 342521
 Ion Ratio Lower Upper
 113 100
 111 101.9 82.6 123.8
 192 22.5 18.0 27.0



#36
 1,1-Dichloropropene
 Concen: 19.20 ug/l
 RT: 7.80 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VN050892.D
 Acq: 27 Aug 2018 12:30

Tgt Ion: 75 Resp: 192525
 Ion Ratio Lower Upper
 75 100
 110 36.8 18.1 54.4
 77 31.2 24.8 37.2

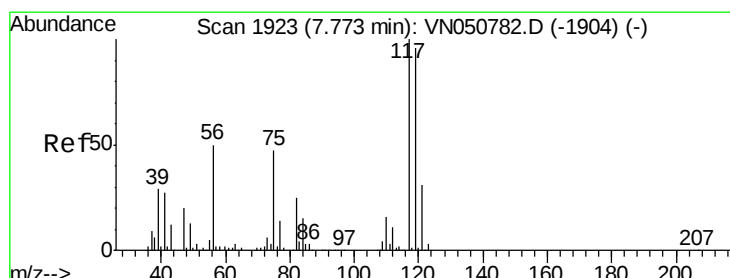
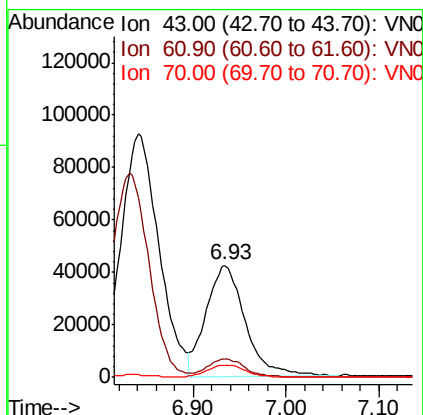
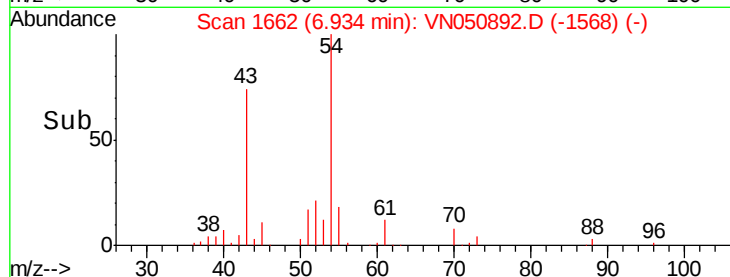
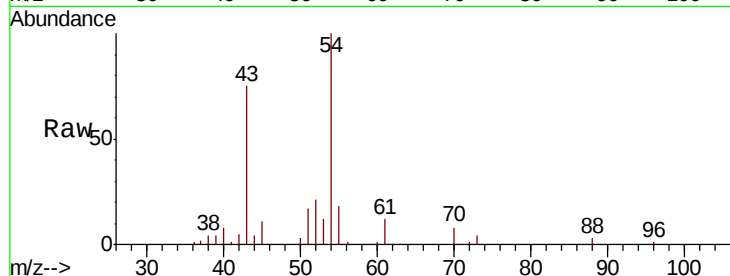




#37
Ethyl Acetate
Concen: 21.34 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VN050892.D
Acq: 27 Aug 2018 12:30

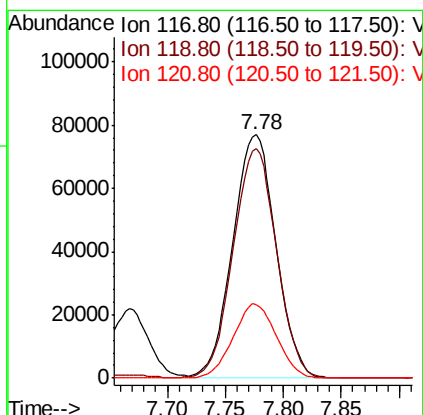
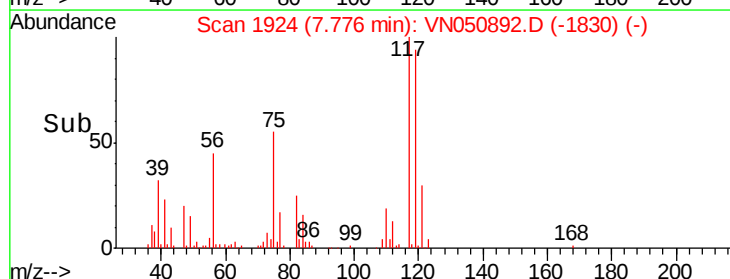
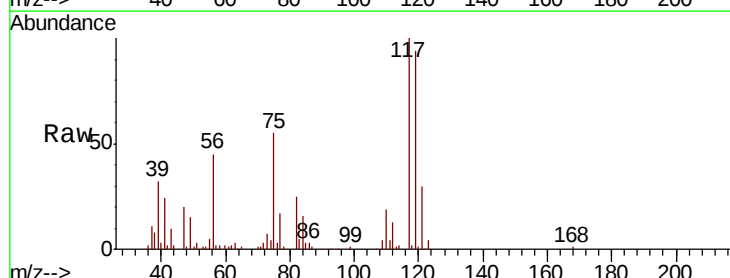
Instrument :
MSVOA_N
ClientSampleId :
VN0827WBSD01

Tot Ion: 43 Resp: 122965
Ion Ratio Lower Upper
43 100
61 15.2 12.0 18.0
70 6.3 8.6 13.0#



#38
Carbon Tetrachloride
Concen: 19.62 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VN050892.D
Acq: 27 Aug 2018 12:30

Tgt Ion: 117 Resp: 198898
Ion Ratio Lower Upper
117 100
119 94.2 76.3 114.5
121 30.4 24.6 36.8

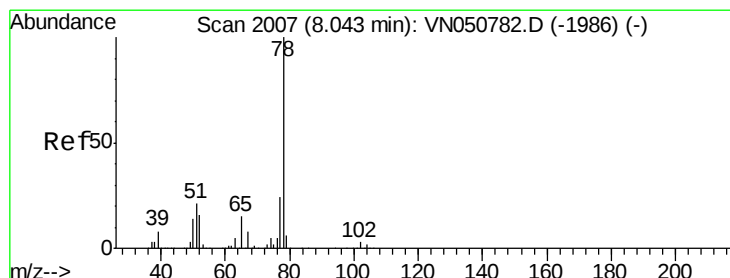
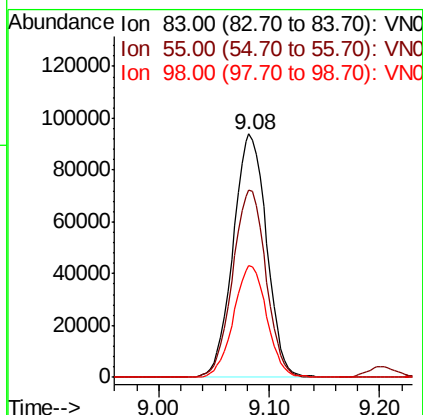
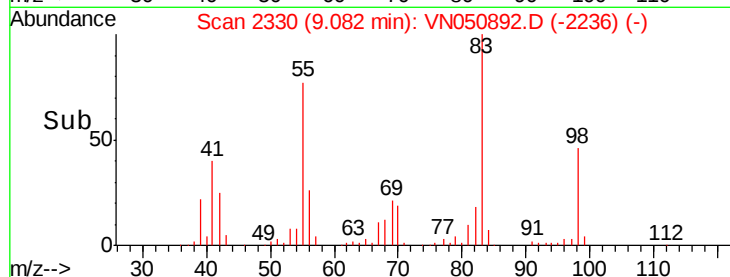
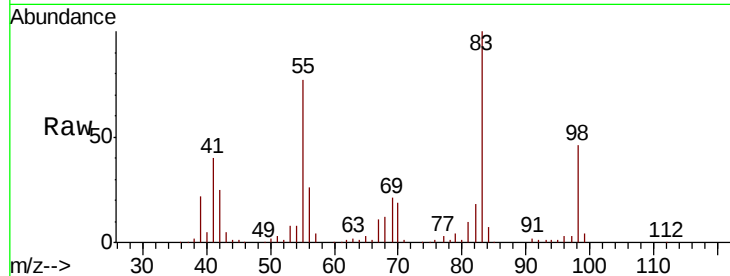




#39
Methvlcvclohexane
Concen: 18.19 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN050892.D
Acq: 27 Aug 2018 12:30

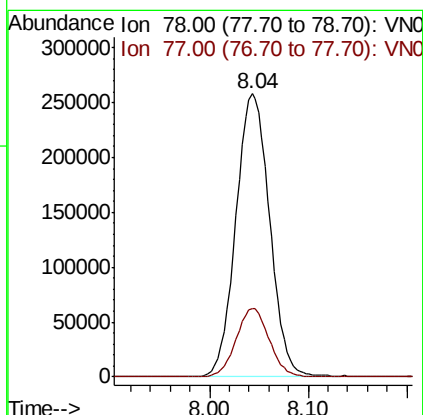
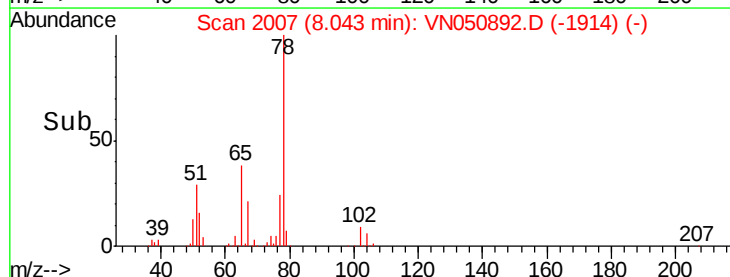
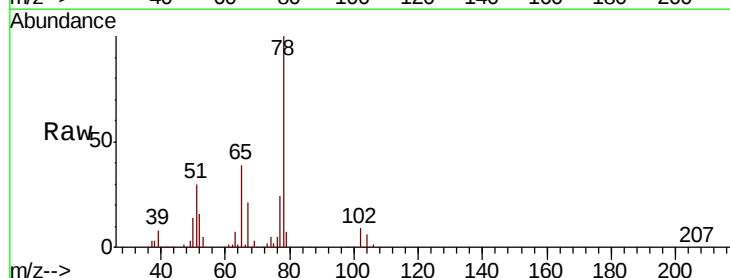
Instrument :
MSVOA_N
ClientSampleId :
VN0827WBSD01

Tot Ion: 83 Resp: 197388
Ion Ratio Lower Upper
83 100
55 77.2 61.0 91.4
98 46.0 37.5 56.3



#40
Benzene
Concen: 20.26 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN050892.D
Acq: 27 Aug 2018 12:30

Tgt Ion: 78 Resp: 612788
Ion Ratio Lower Upper
78 100
77 24.3 19.0 28.4

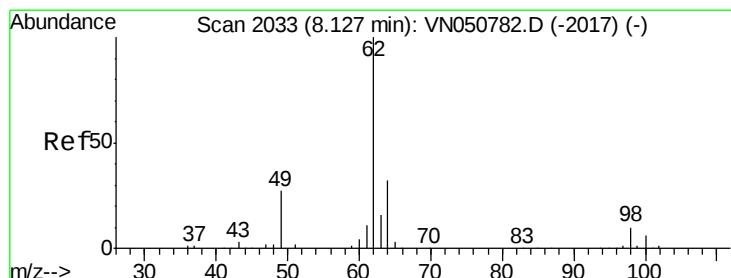
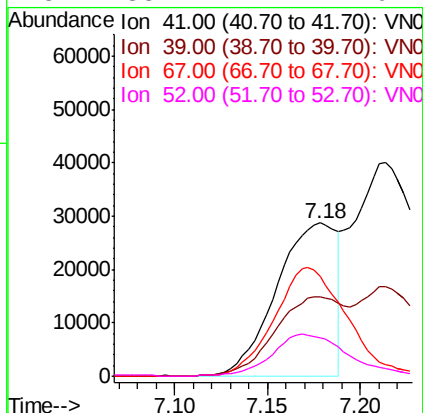
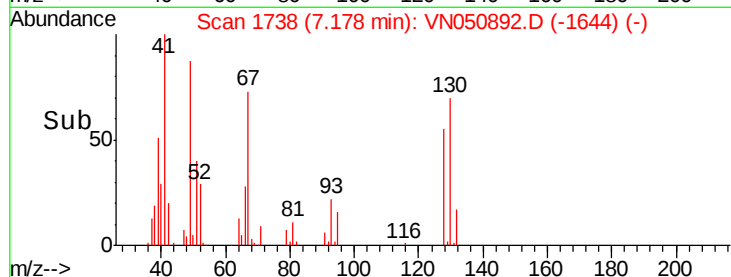
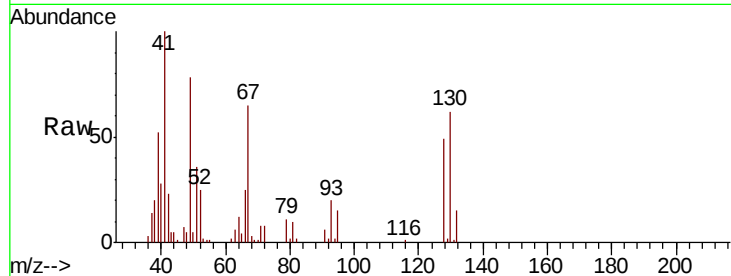




#41
Methacrylonitrile
Concen: 20.84 ug/l
RT: 7.18 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN050892.D
Acq: 27 Aug 2018 12:30

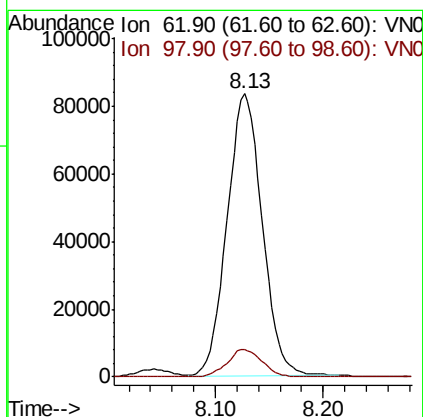
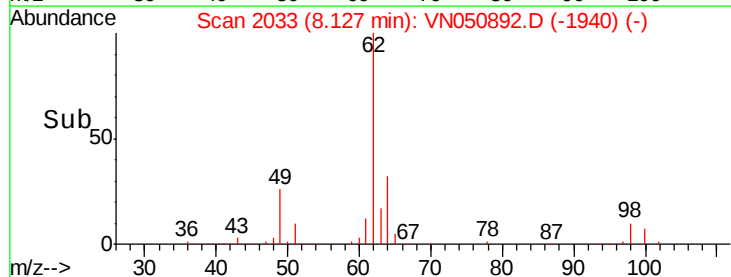
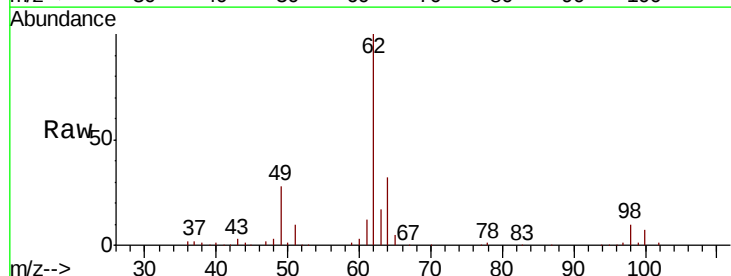
Instrument :
MSVOA_N
ClientSampleId :
VN0827WBSD01

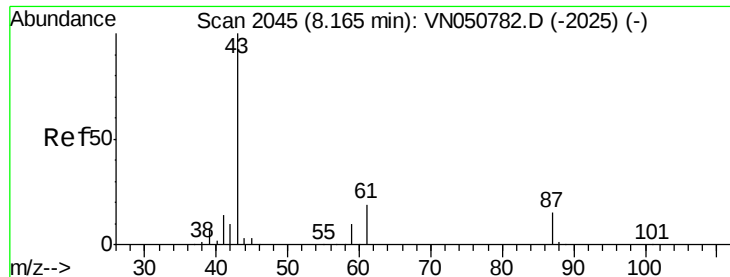
Tot Ion: 41 Resp: 64984
Ion Ratio Lower Upper
41 100
39 60.2 45.4 68.0
67 85.7 70.6 106.0
52 35.2 27.1 40.7



#42
1,2-Dichloroethane
Concen: 20.97 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN050892.D
Acq: 27 Aug 2018 12:30

Tgt Ion: 62 Resp: 189616
Ion Ratio Lower Upper
62 100
98 9.7 0.0 19.6





#43

Isopropyl Acetate

Concen: 23.10 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN050892.D

Acq: 27 Aug 2018 12:30

Instrument :

MSVOA_N

ClientSampleId :

VN0827WBSD01

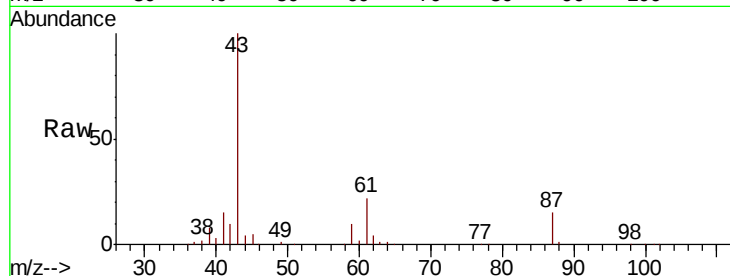
Tot Ion: 43 Resp: 228864

Ion Ratio Lower Upper

43 100

61 28.8 17.5 26.3#

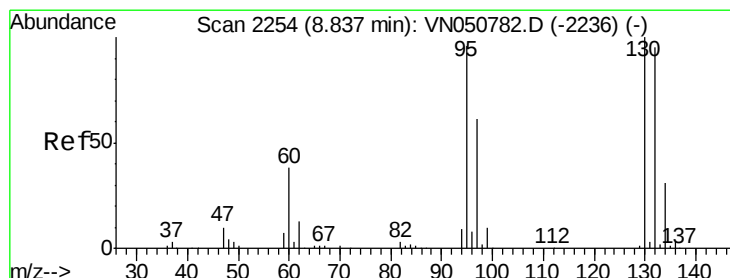
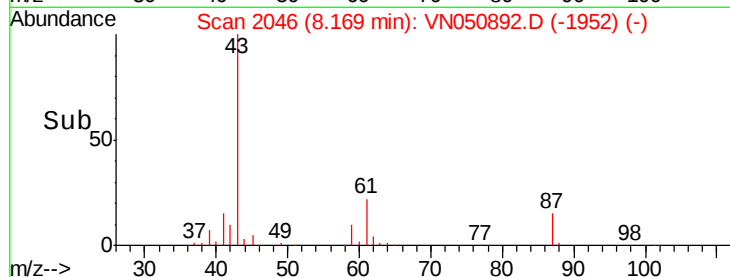
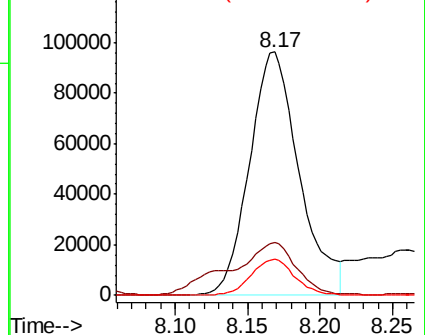
87 13.1 11.3 16.9



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: 19.73 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. 0.00 min

Lab File: VN050892.D

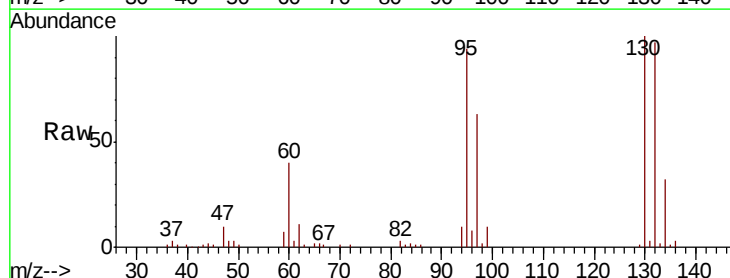
Acq: 27 Aug 2018 12:30

Tgt Ion:130 Resp: 157382

Ion Ratio Lower Upper

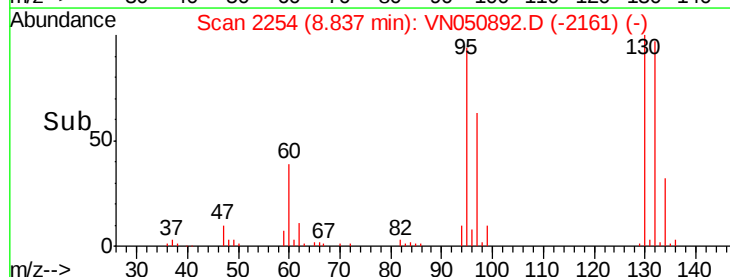
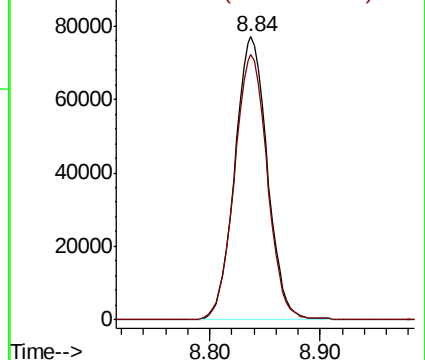
130 100

95 93.9 0.0 193.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0

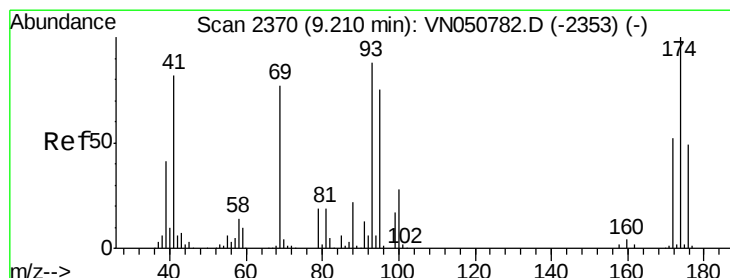
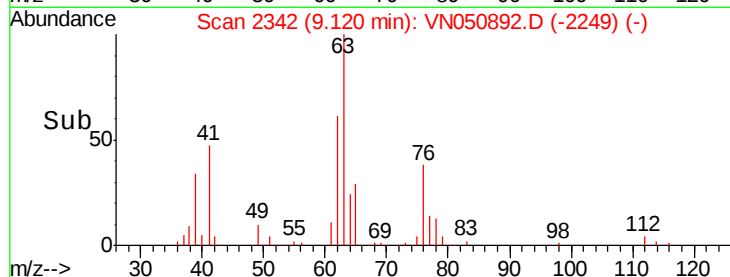
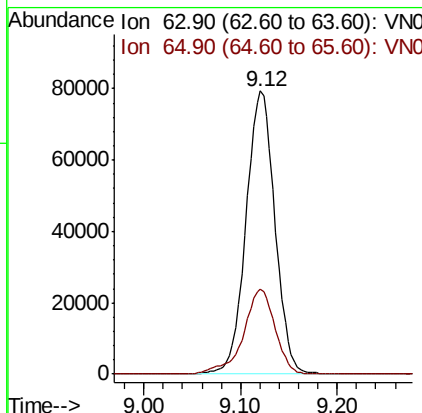
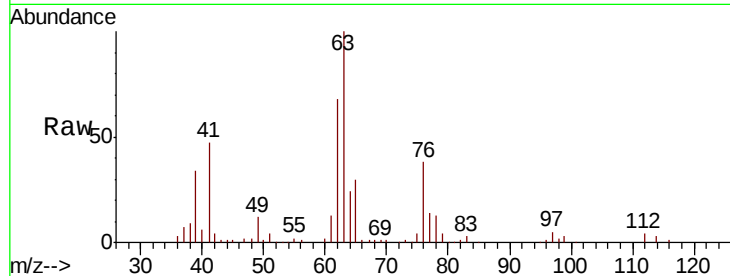




#45
 1,2-Dichloropropane
 Concen: 20.74 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. 0.00 min
 Lab File: VN050892.D
 Acq: 27 Aug 2018 12:30

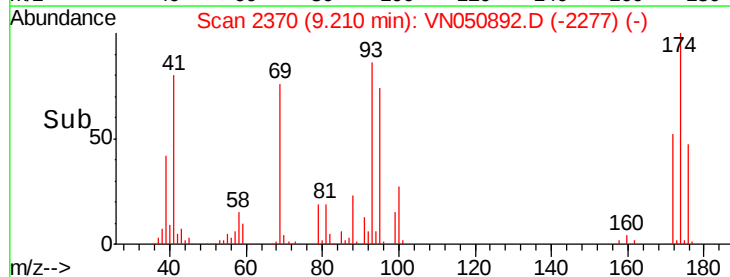
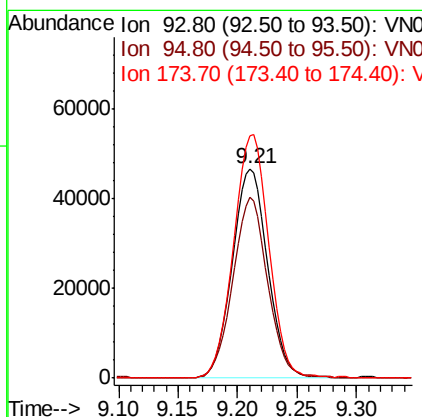
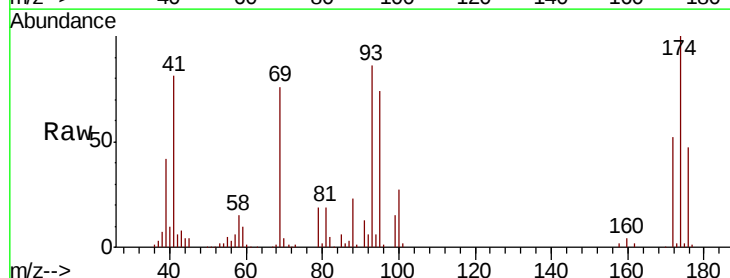
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0827WBSD01

Tot Ion: 63 Resp: 164852
 Ion Ratio Lower Upper
 63 100
 65 29.9 25.0 37.6



#46
 Dibromomethane
 Concen: 20.66 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN050892.D
 Acq: 27 Aug 2018 12:30

Tgt Ion: 93 Resp: 96504
 Ion Ratio Lower Upper
 93 100
 95 84.7 66.7 100.1
 174 115.6 89.8 134.6





#47

Bromodichloromethane

Concen: 20.83 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VN050892.D

Acq: 27 Aug 2018 12:30

Instrument :

MSVOA_N

ClientSampled :

VN0827WBSD01

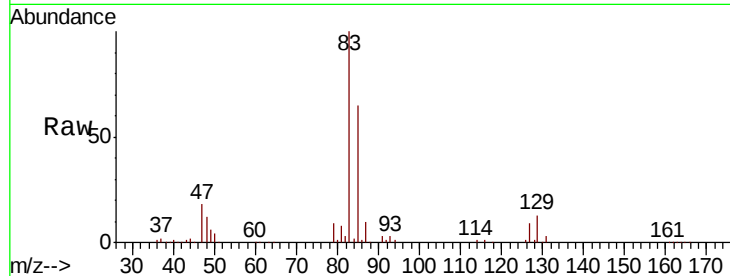
Tot Ion: 83 Resp: 203716

Ion Ratio Lower Upper

83 100

85 64.7 52.6 78.8

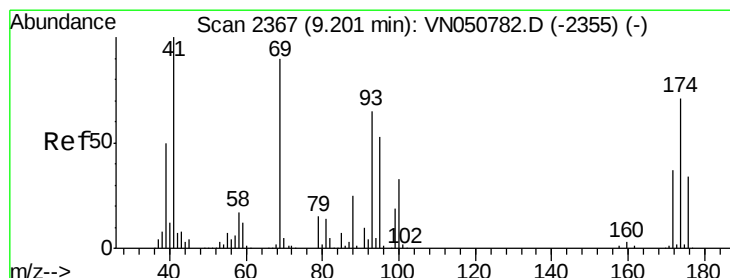
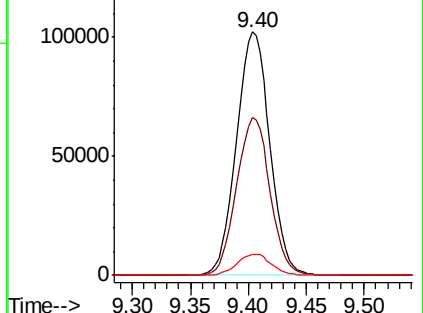
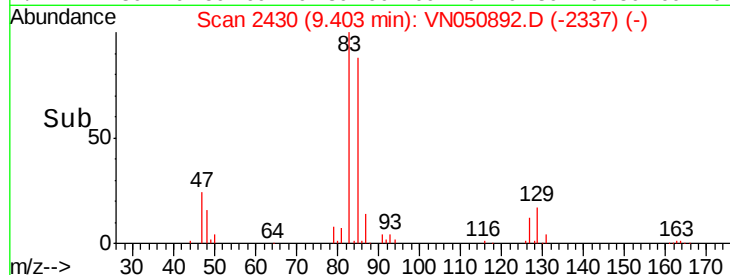
127 8.7 7.2 10.8



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: 20.77 ug/l

RT: 9.20 min Scan# 2367

Delta R.T. 0.00 min

Lab File: VN050892.D

Acq: 27 Aug 2018 12:30

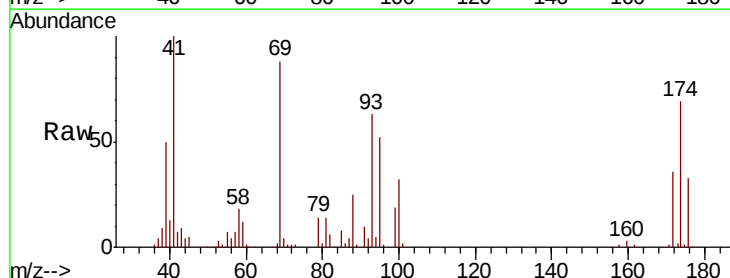
Tgt Ion: 41 Resp: 104838

Ion Ratio Lower Upper

41 100

69 94.2 74.7 112.1

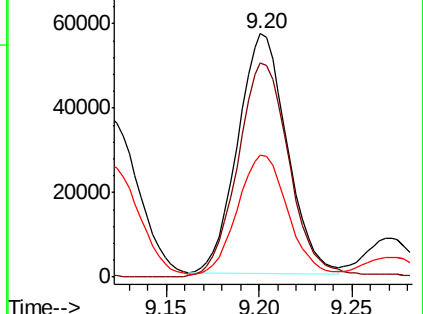
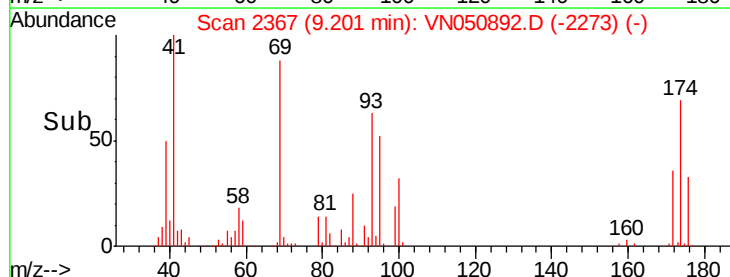
39 52.3 42.2 63.2

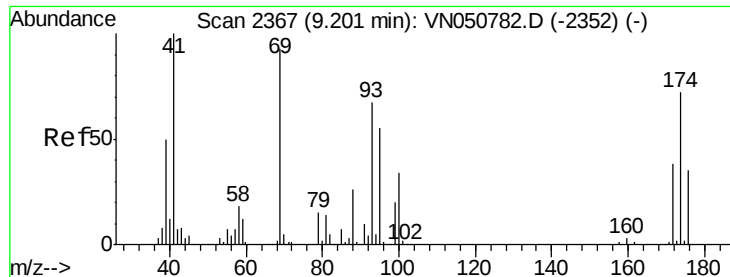


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#49

1,4-Dioxane

Concen: 439.07 ug/l

RT: 9.20 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN050892.D

Acq: 27 Aug 2018 12:30

Instrument :

MSVOA_N

ClientSampleId :

VN0827WBSD01

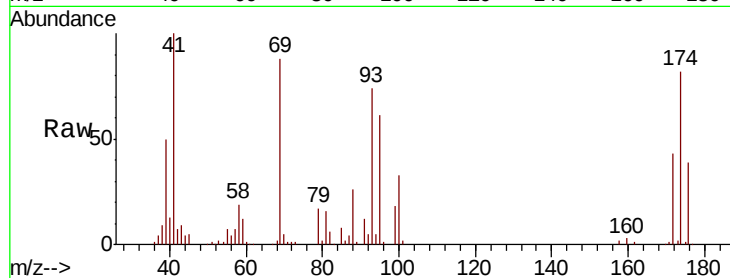
Tot Ion: 88 Resp: 30216

Ion Ratio Lower Upper

88 100

43 31.2 25.9 38.9

58 69.7 55.0 82.4

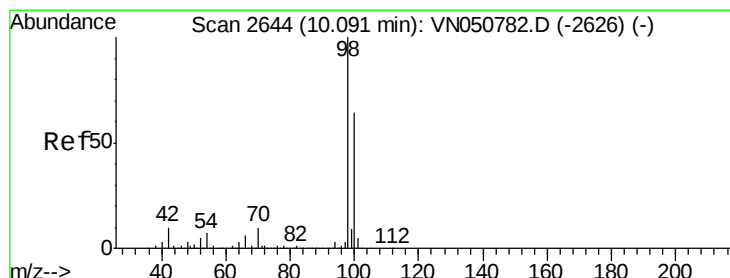
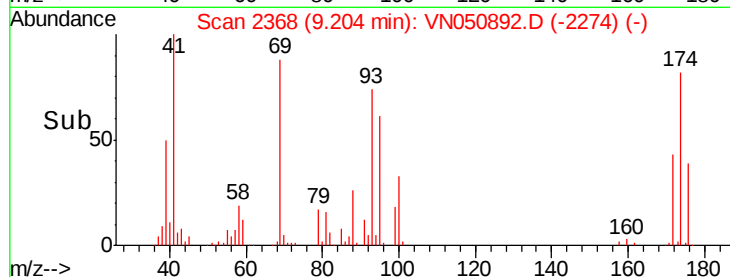
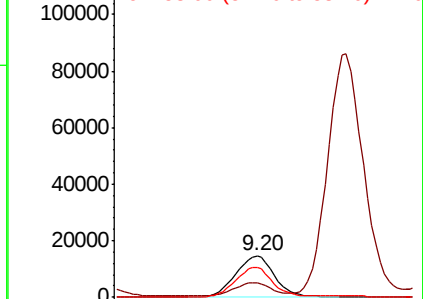


Abundance

Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 48.92 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VN050892.D

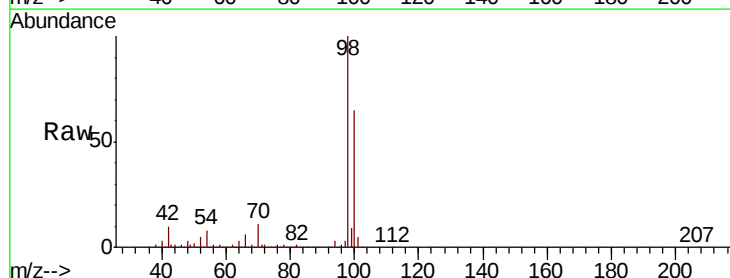
Acq: 27 Aug 2018 12:30

Tgt Ion: 98 Resp: 1236657

Ion Ratio Lower Upper

98 100

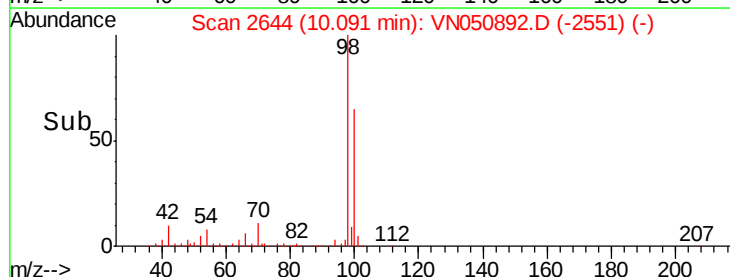
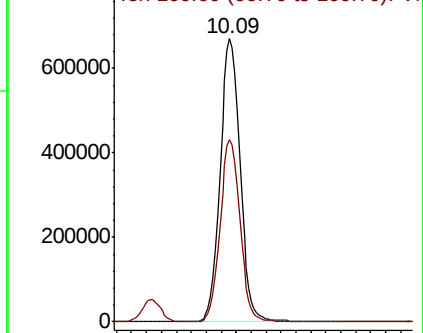
100 64.2 51.5 77.3

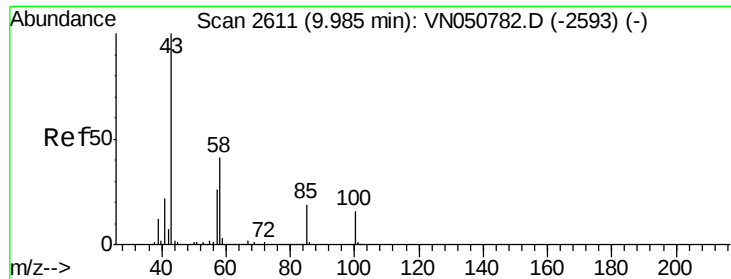


Abundance

Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

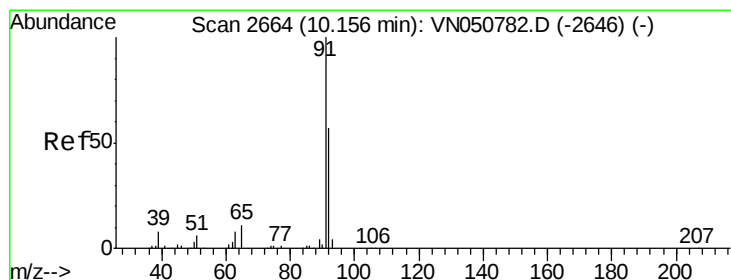
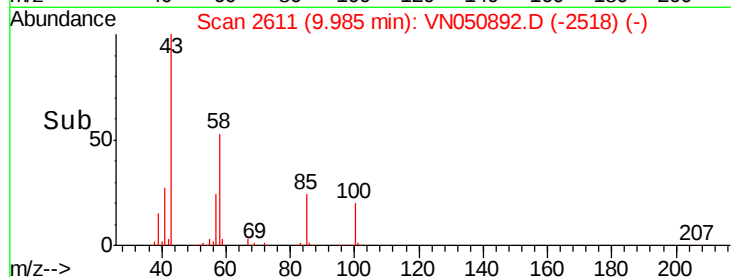
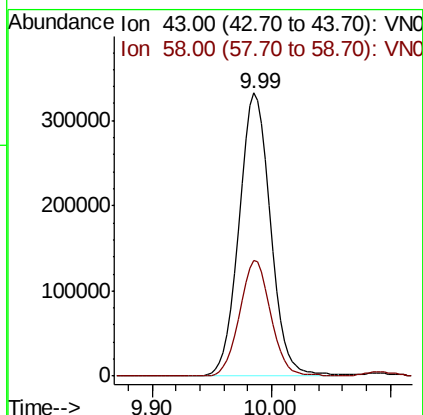
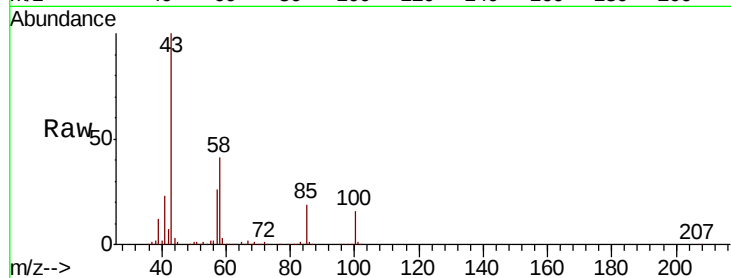




#51
 4-Methyl-2-Pentanone
 Concen: 102.63 ug/l
 RT: 9.99 min Scan# 2611
 Delta R.T. 0.00 min
 Lab File: VN050892.D
 Acq: 27 Aug 2018 12:30

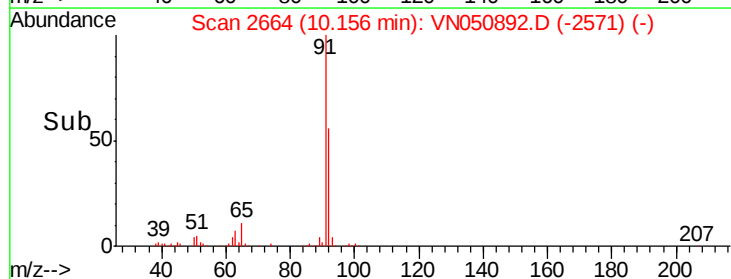
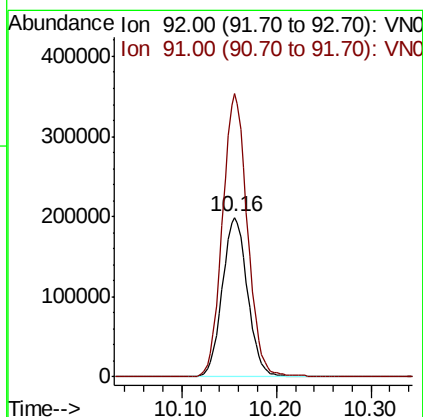
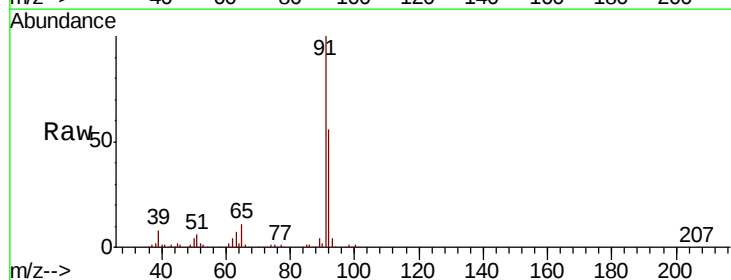
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0827WBSD01

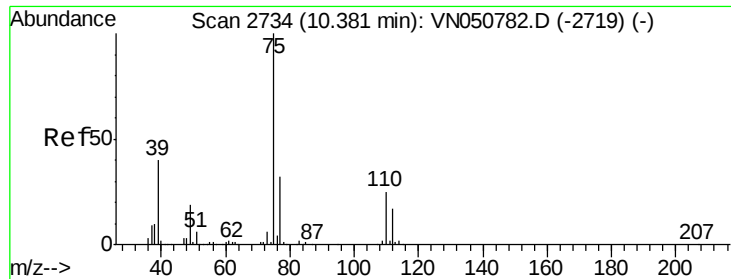
Tot Ion: 43 Resp: 606681
 Ion Ratio Lower Upper
 43 100
 58 40.7 32.4 48.6



#52
 Toluene
 Concen: 20.64 ug/l
 RT: 10.16 min Scan# 2664
 Delta R.T. 0.00 min
 Lab File: VN050892.D
 Acq: 27 Aug 2018 12:30

Tgt Ion: 92 Resp: 369850
 Ion Ratio Lower Upper
 92 100
 91 175.7 140.6 211.0

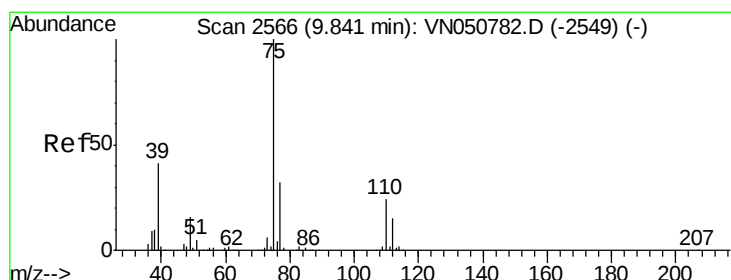
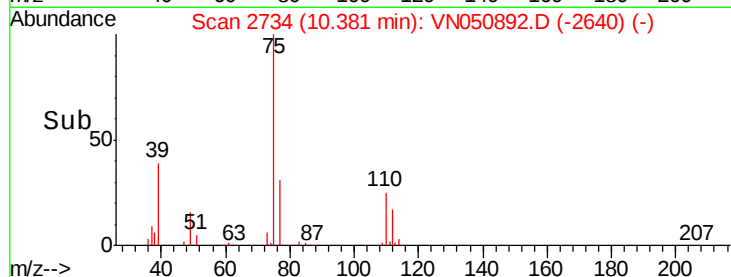
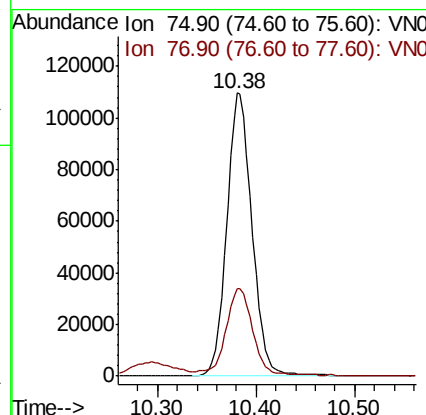
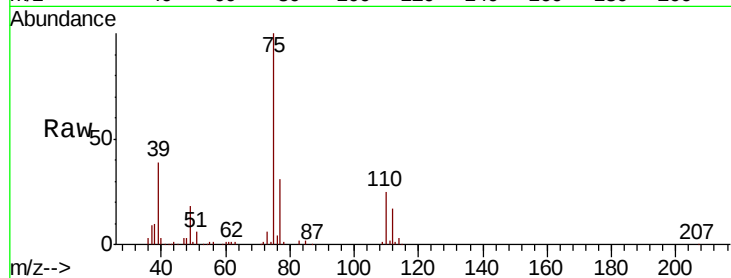




#53
t-1,3-Dichloropropene
Concen: 20.19 ug/l
RT: 10.38 min Scan# 2734
Delta R.T. 0.00 min
Lab File: VN050892.D
Acq: 27 Aug 2018 12:30

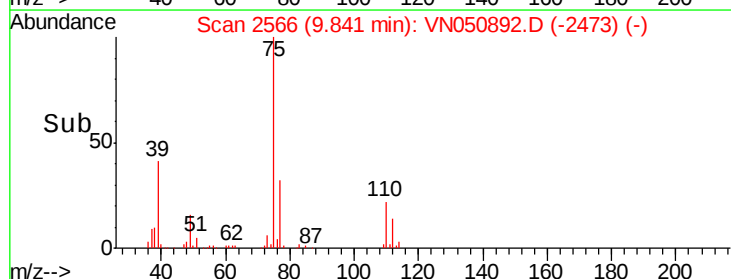
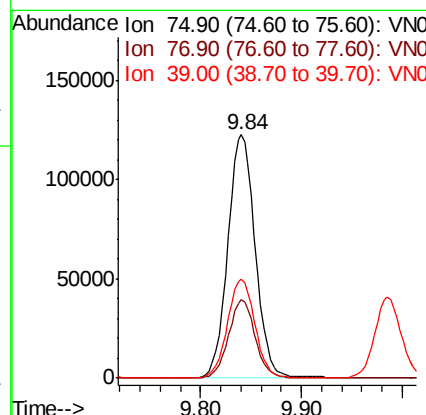
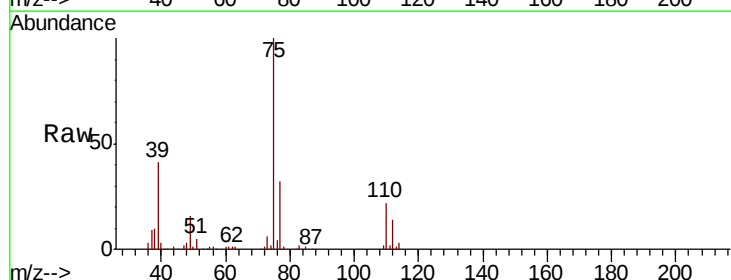
Instrument :
MSVOA_N
ClientSampleId :
VN0827WBSD01

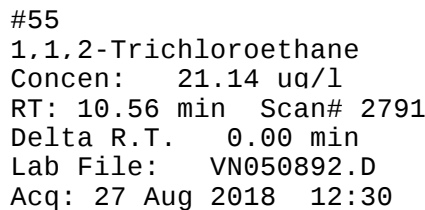
Tot Ion: 75 Resp: 196537
Ion Ratio Lower Upper
75 100
77 30.6 25.7 38.5



#54
cis-1,3-Dichloropropene
Concen: 20.87 ug/l
RT: 9.84 min Scan# 2566
Delta R.T. 0.00 min
Lab File: VN050892.D
Acq: 27 Aug 2018 12:30

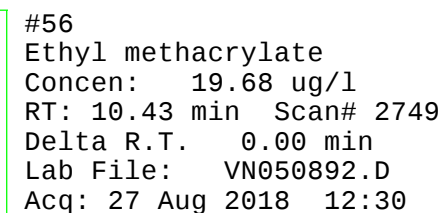
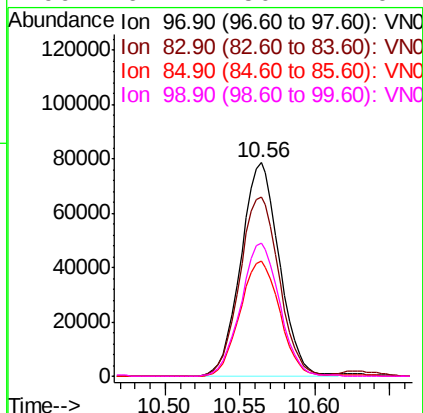
Tgt Ion: 75 Resp: 232658
Ion Ratio Lower Upper
75 100
77 32.1 25.4 38.2
39 40.5 33.0 49.4



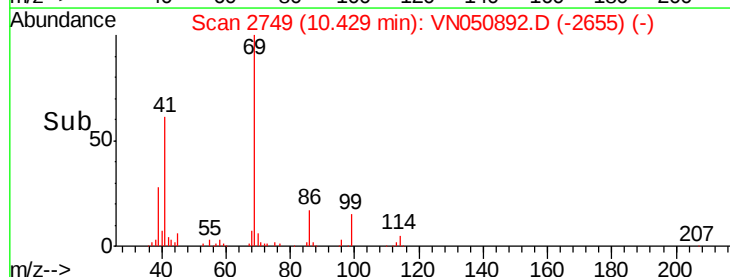
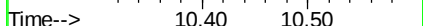
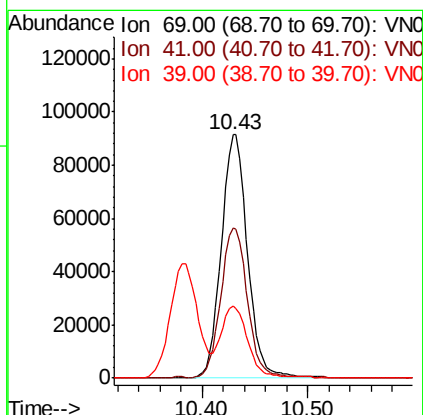


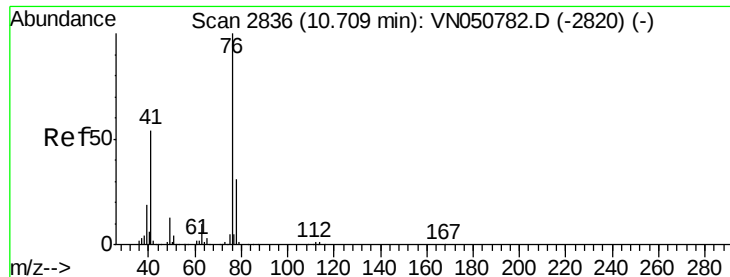
Instrument :
MSVOA_N
ClientSampleId :
VN0827WBSD01

Tat	Ion: 97	Resp:	140580
Ion	Ratio	Lower	Upper
97	100		
83	84.2	69.7	104.5
85	53.9	44.5	66.7
99	62.4	50.7	76.1



Tgt	Ion: 69	Resp:	157334
Ion	Ratio	Lower	Upper
69	100		
41	62.2	48.3	72.5
39	29.3	24.0	36.0

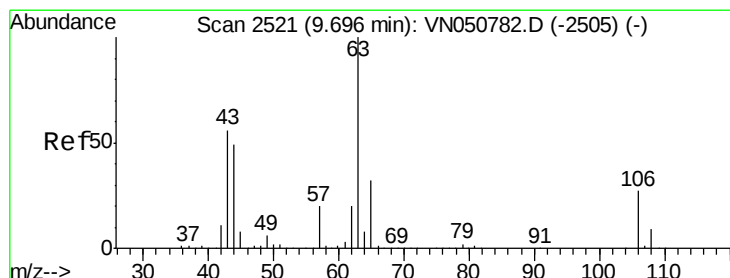
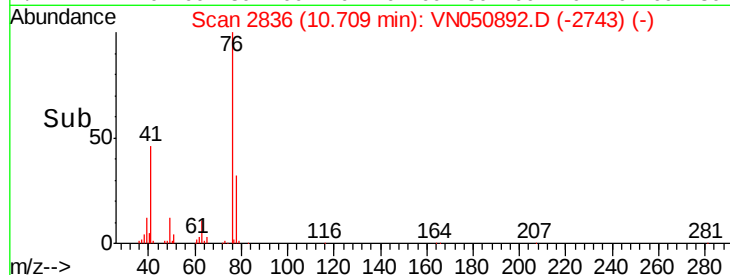
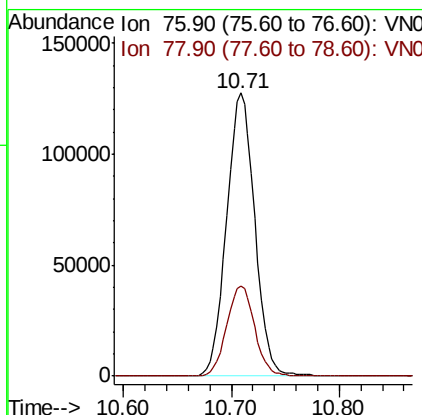
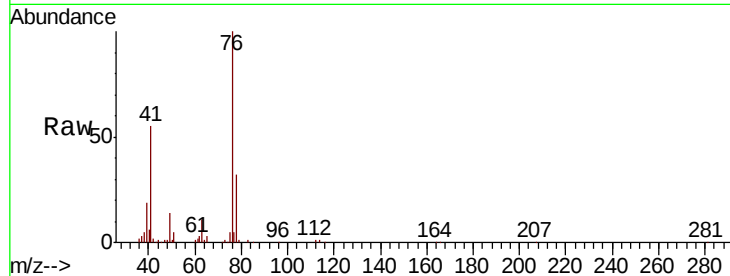




#57
 1,3-Dichloropropane
 Concen: 21.13 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. 0.00 min
 Lab File: VN050892.D
 Acq: 27 Aug 2018 12:30

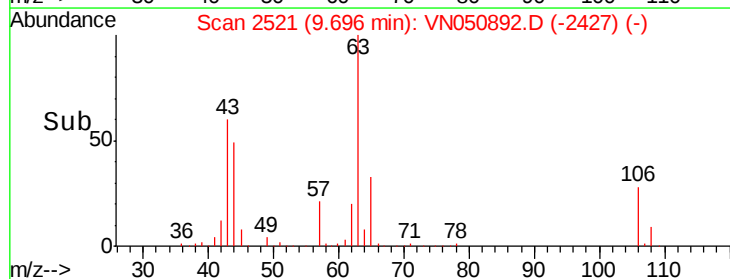
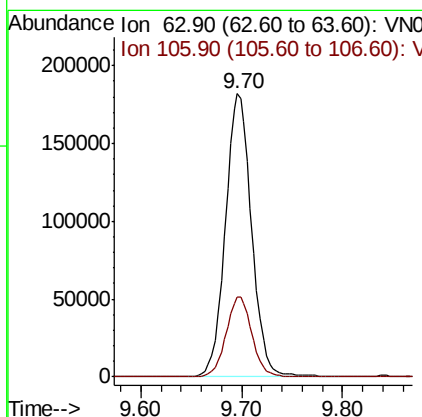
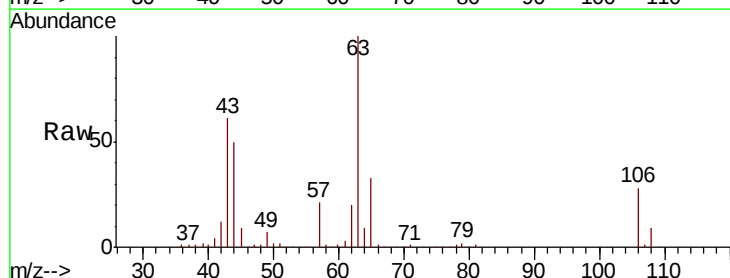
Instrument :
 MSVOA_N
 ClientSampled :
 VN0827WBSD01

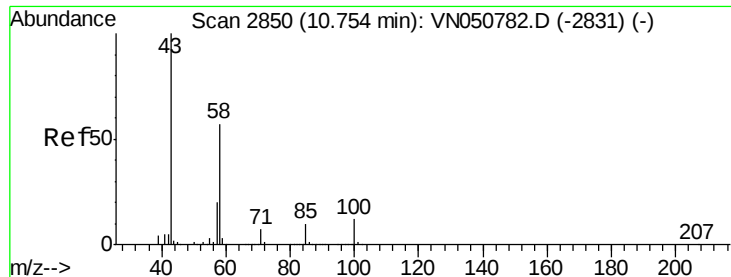
Tot Ion: 76 Resp: 231960
 Ion Ratio Lower Upper
 76 100
 78 31.7 25.5 38.3



#58
 2-Chloroethyl Vinyl ether
 Concen: 95.07 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. 0.00 min
 Lab File: VN050892.D
 Acq: 27 Aug 2018 12:30

Tgt Ion: 63 Resp: 328786
 Ion Ratio Lower Upper
 63 100
 106 27.9 21.9 32.9

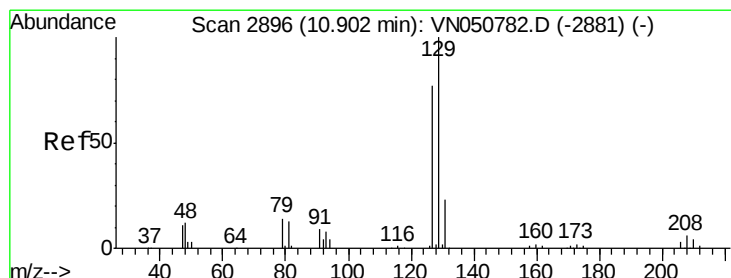
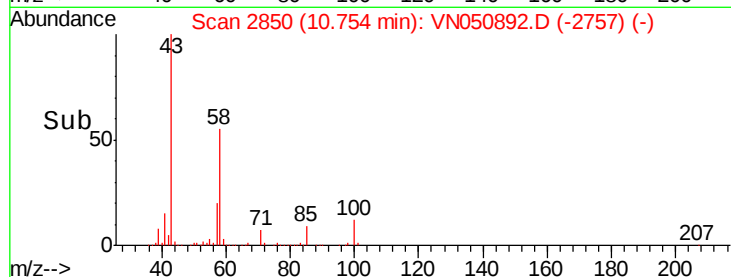
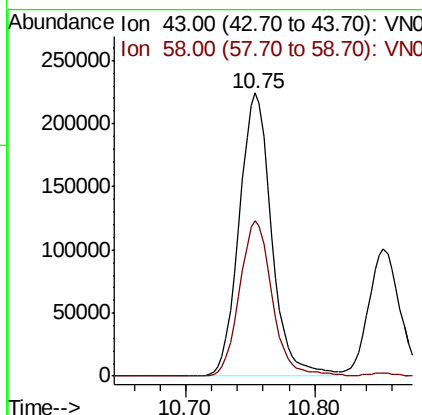
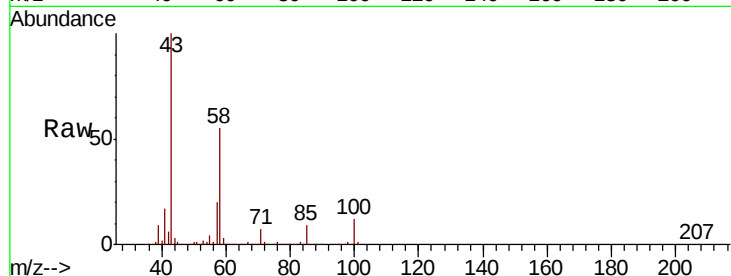




#59
2-Hexanone
Concen: 99.23 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN050892.D
Acq: 27 Aug 2018 12:30

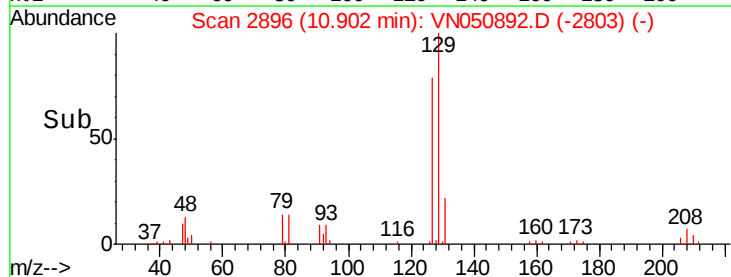
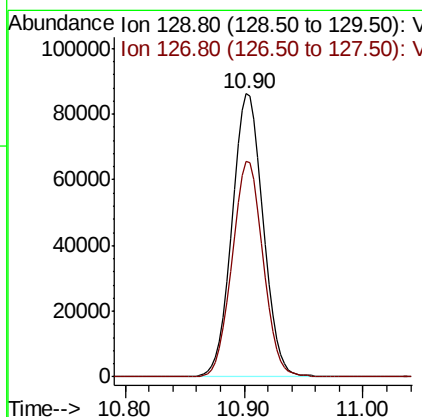
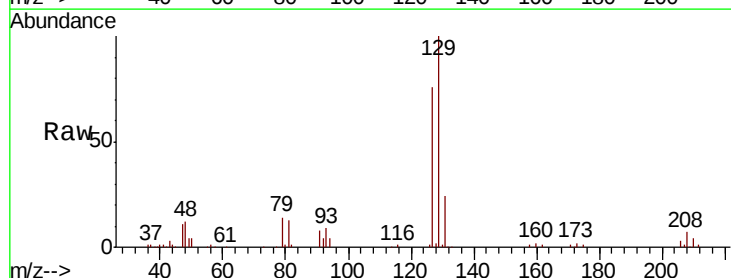
Instrument :
MSVOA_N
ClientSampled :
VN0827WBSD01

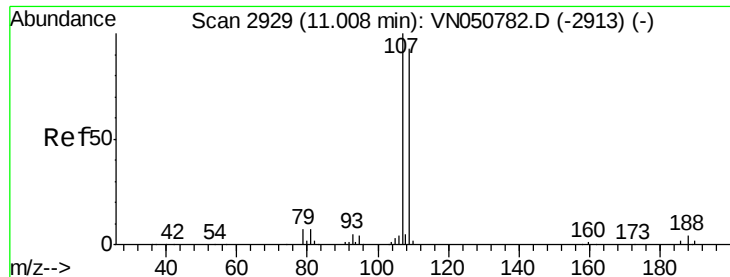
Tot Ion: 43 Resp: 390475
Ion Ratio Lower Upper
43 100
58 55.5 28.3 85.0



#60
Dibromochloromethane
Concen: 20.97 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. 0.00 min
Lab File: VN050892.D
Acq: 27 Aug 2018 12:30

Tgt Ion: 129 Resp: 156151
Ion Ratio Lower Upper
129 100
127 75.9 38.3 114.9





#61

1,2-Dibromoethane

Concen: 20.88 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. 0.00 min

Lab File: VN050892.D

Acq: 27 Aug 2018 12:30

Instrument :

MSVOA_N

ClientSampleId :

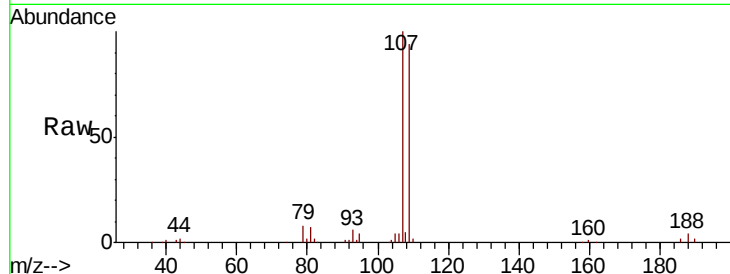
VN0827WBSD01

Tot Ion:107 Resp: 134244

Ion Ratio Lower Upper

107 100

109 96.1 75.4 113.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.01

80000

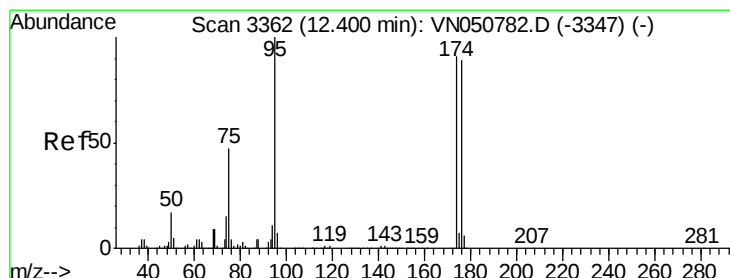
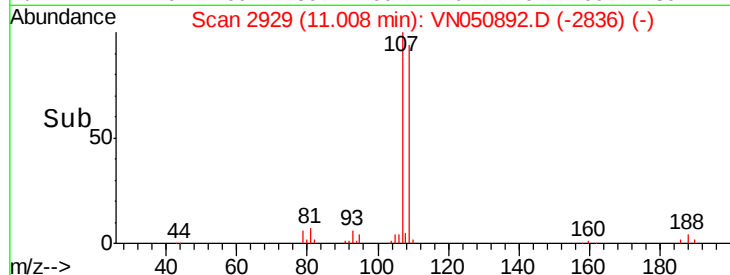
60000

40000

20000

0

Time--> 10.90 11.00 11.10



#62

4-Bromofluorobenzene

Concen: 46.55 ug/l

RT: 12.40 min Scan# 3362

Delta R.T. 0.00 min

Lab File: VN050892.D

Acq: 27 Aug 2018 12:30

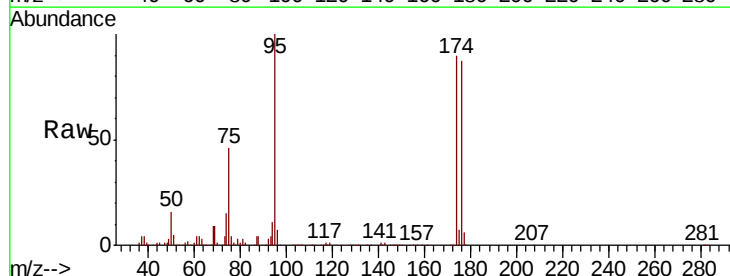
Tgt Ion: 95 Resp: 390997

Ion Ratio Lower Upper

95 100

174 91.8 0.0 183.0

176 88.8 0.0 178.8



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

300000

250000

200000

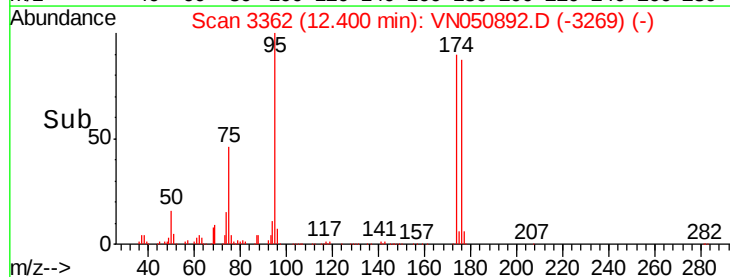
150000

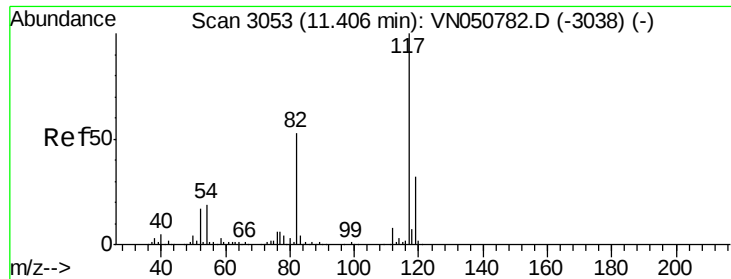
100000

50000

0

Time--> 12.35 12.40 12.45

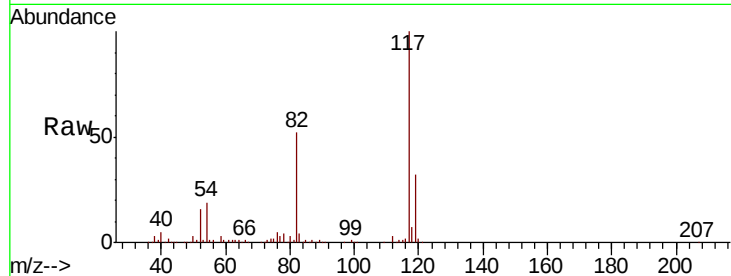




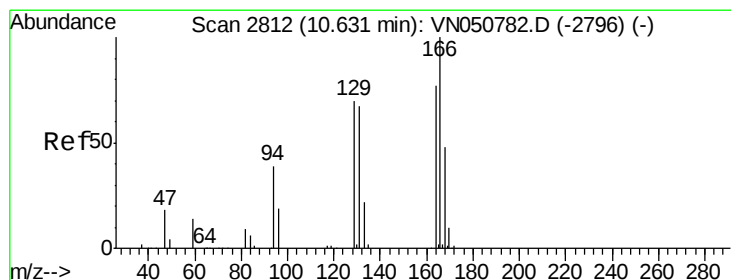
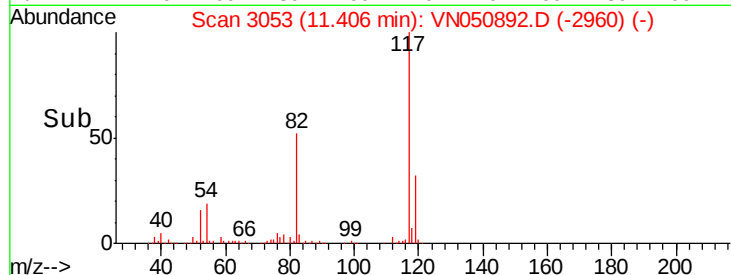
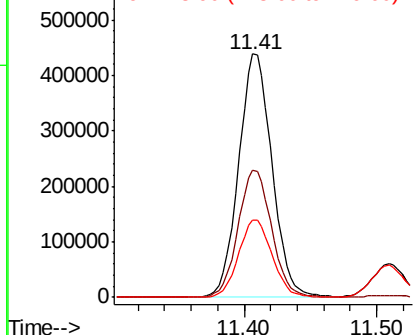
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3053
Delta R.T. 0.00 min
Lab File: VN050892.D
Acq: 27 Aug 2018 12:30

Instrument :
MSVOA_N
ClientSampleId :
VN0827WBSD01

Tot Ion:117 Resp: 767272
Ion Ratio Lower Upper
117 100
82 52.5 42.6 64.0
119 31.8 25.8 38.6

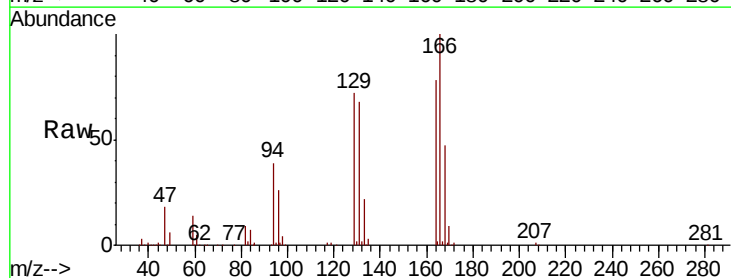


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

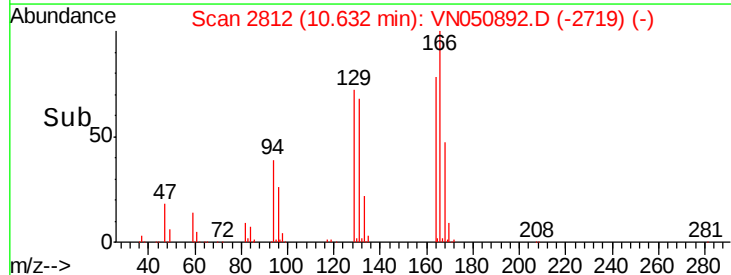
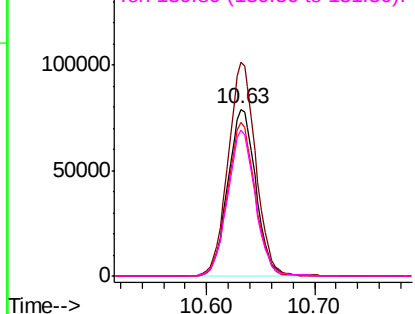


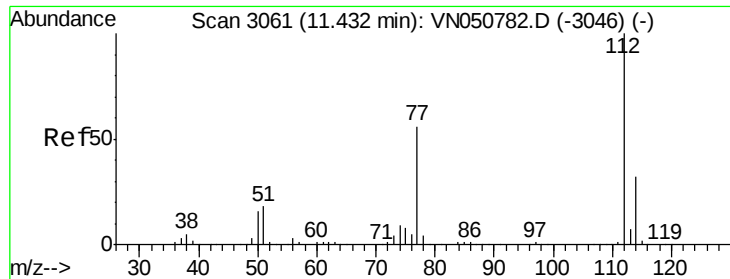
#64
Tetrachloroethene
Concen: 19.60 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. 0.00 min
Lab File: VN050892.D
Acq: 27 Aug 2018 12:30

Tgt Ion:164 Resp: 142808
Ion Ratio Lower Upper
164 100
166 127.9 103.5 155.3
129 92.2 72.7 109.1
131 87.0 69.5 104.3



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

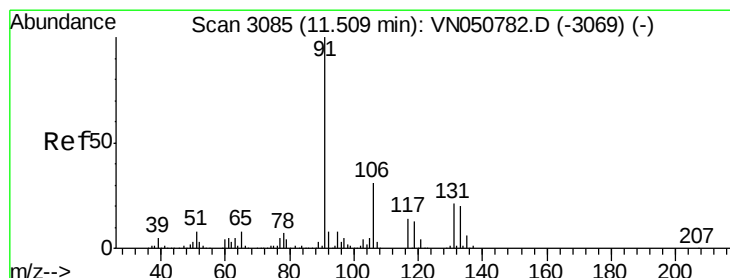
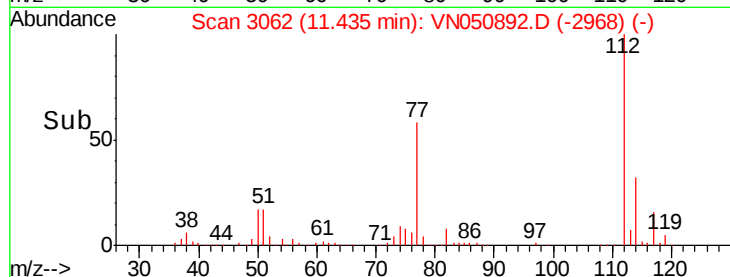
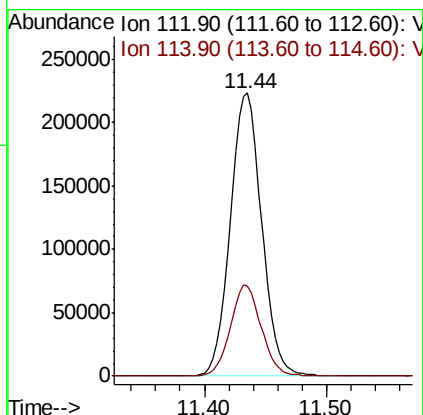
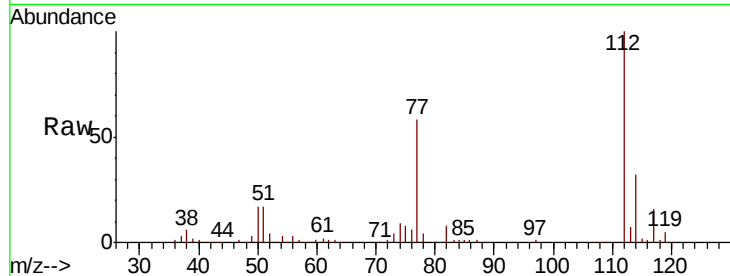




#65
Chlorobenzene
Concen: 19.93 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN050892.D
Acq: 27 Aug 2018 12:30

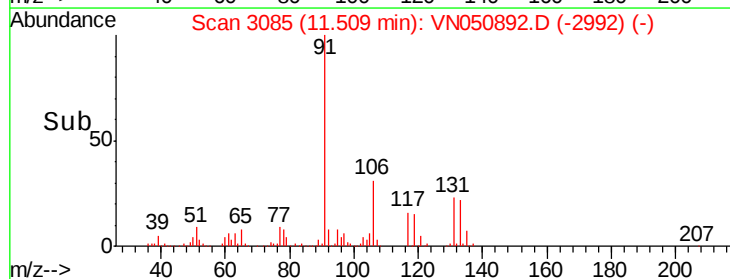
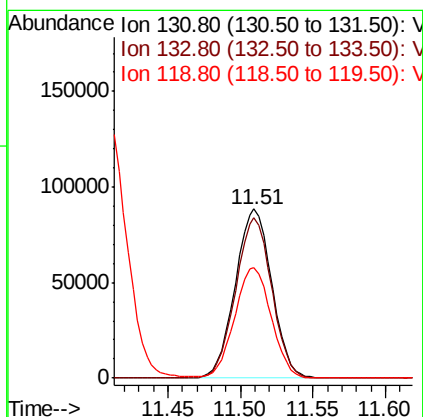
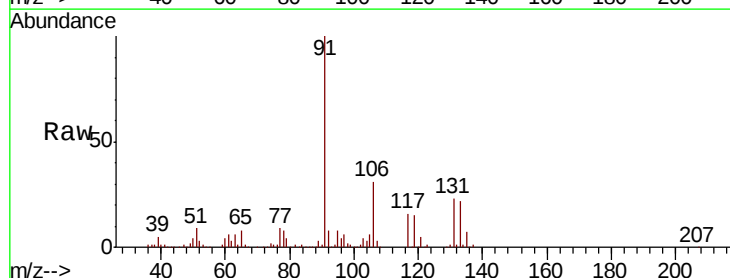
Instrument :
MSVOA_N
ClientSampleId :
VN0827WBSD01

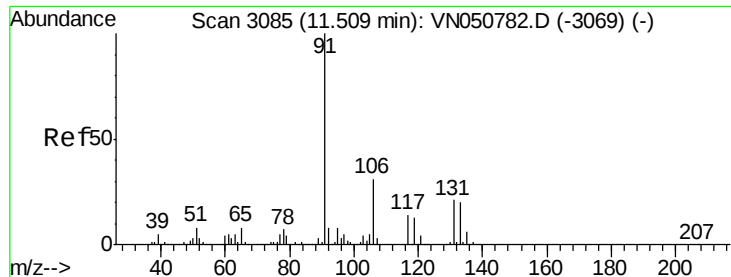
Tot Ion:112 Resp: 399754
Ion Ratio Lower Upper
112 100
114 32.0 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 21.16 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. 0.00 min
Lab File: VN050892.D
Acq: 27 Aug 2018 12:30

Tgt Ion:131 Resp: 155288
Ion Ratio Lower Upper
131 100
133 93.7 47.4 142.3
119 65.4 32.8 98.4





#67

Ethyl Benzene

Concen: 19.93 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN050892.D

Acq: 27 Aug 2018 12:30

Instrument :

MSVOA_N

ClientSampleID :

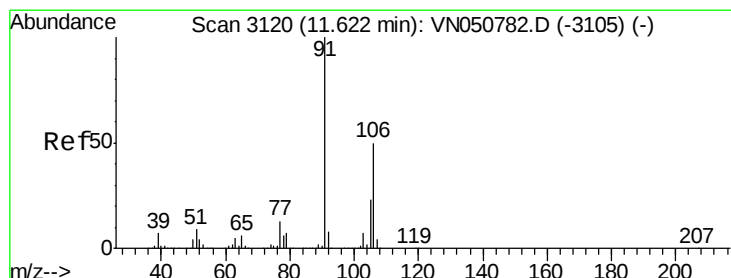
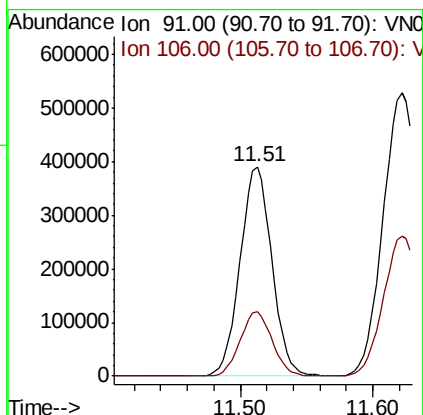
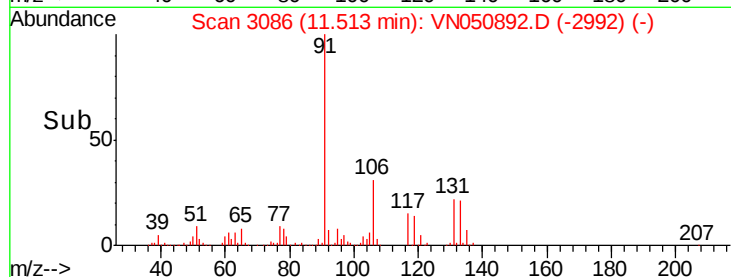
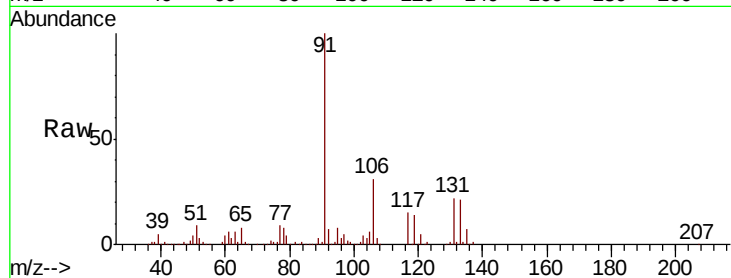
VN0827WBSD01

Tot Ion: 91 Resp: 649927

Ion Ratio Lower Upper

91 100

106 30.6 25.0 37.4



#68

m/p-Xylenes

Concen: 40.77 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. 0.00 min

Lab File: VN050892.D

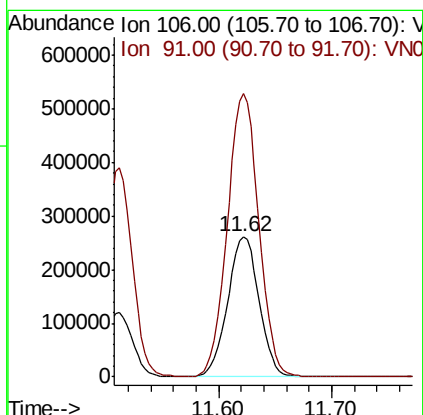
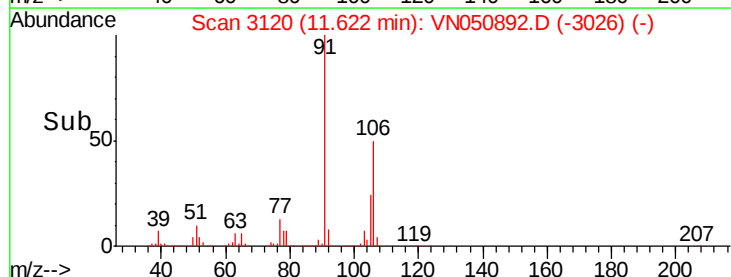
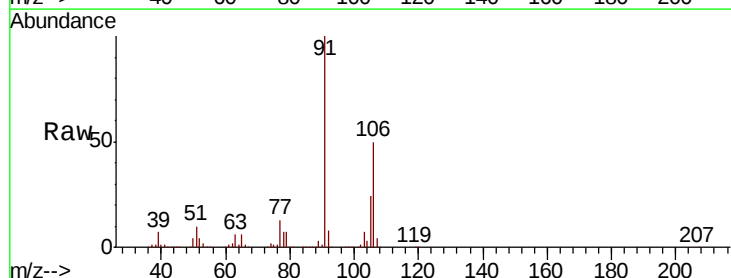
Acq: 27 Aug 2018 12:30

Tgt Ion: 106 Resp: 504578

Ion Ratio Lower Upper

106 100

91 201.9 161.0 241.6

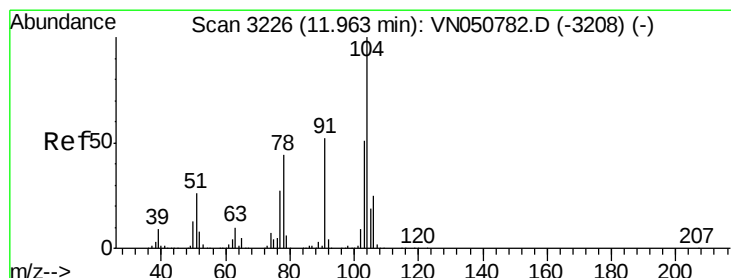
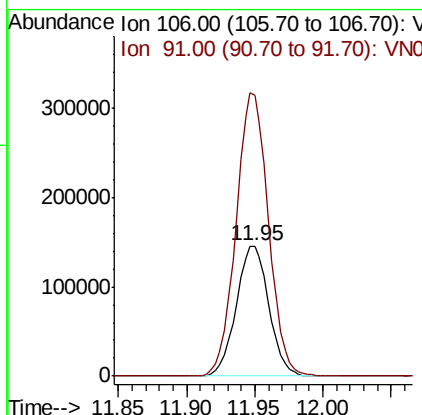
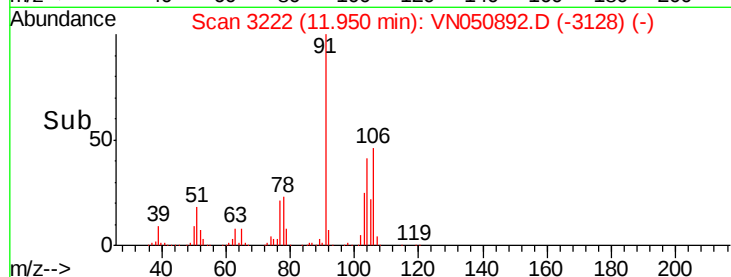
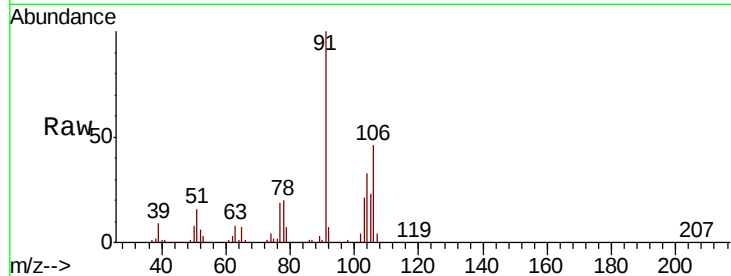




#69
o-Xylene
Concen: 20.27 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN050892.D
Acq: 27 Aug 2018 12:30

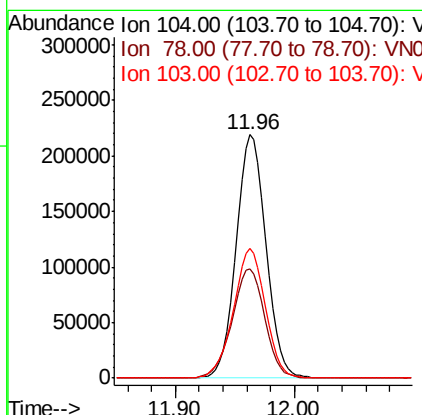
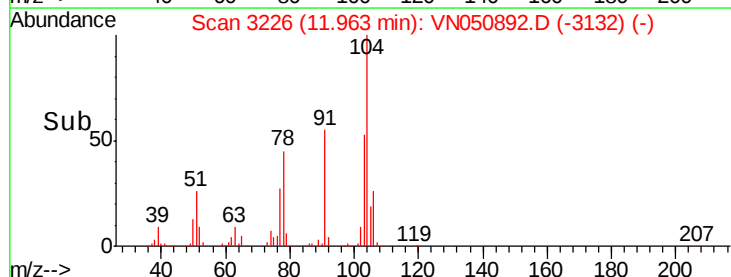
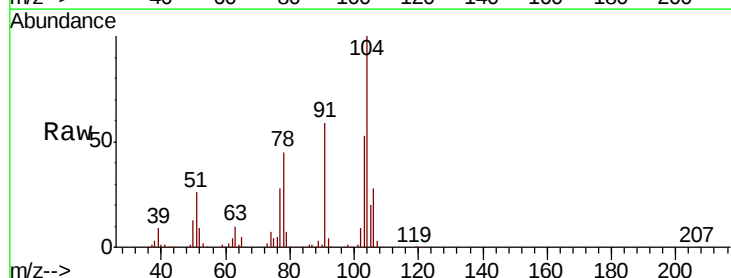
Instrument :
MSVOA_N
ClientSampleId :
VN0827WBSD01

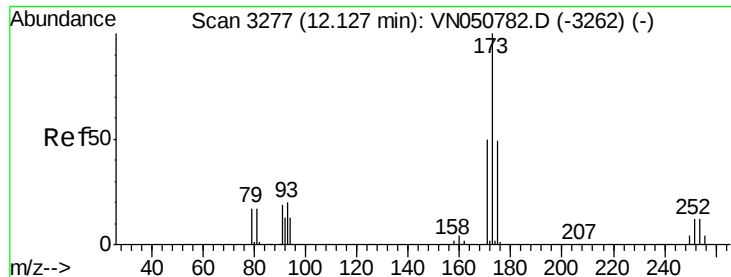
Tot Ion:106 Resp: 241118
Ion Ratio Lower Upper
106 100
91 216.0 106.5 319.5



#70
Styrene
Concen: 18.97 ug/l
RT: 11.96 min Scan# 3226
Delta R.T. 0.00 min
Lab File: VN050892.D
Acq: 27 Aug 2018 12:30

Tgt Ion:104 Resp: 380765
Ion Ratio Lower Upper
104 100
78 49.2 38.2 57.4
103 57.0 44.4 66.6

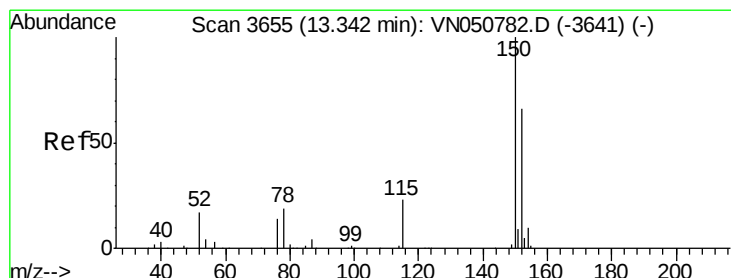
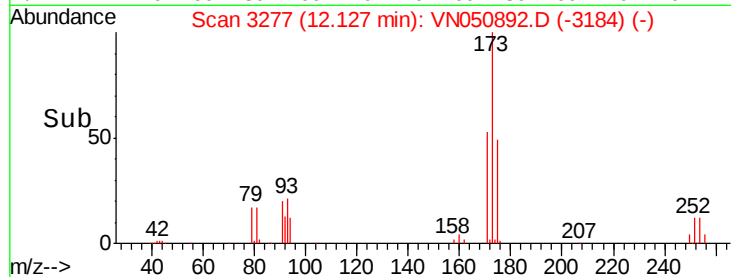
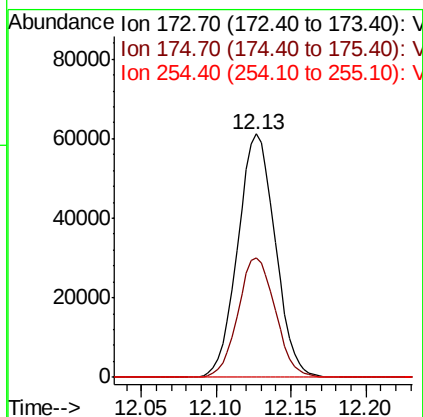
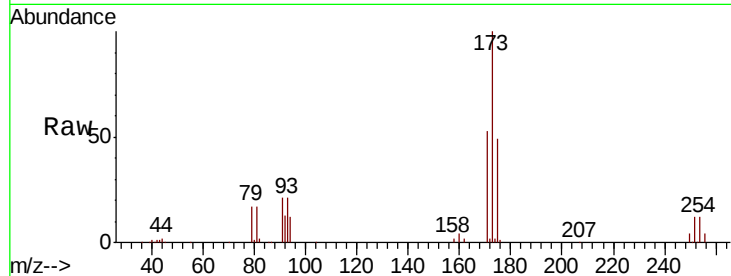




#71
Bromoform
Concen: 21.12 ug/l
RT: 12.13 min Scan# 3277
Delta R.T. 0.00 min
Lab File: VN050892.D
Acq: 27 Aug 2018 12:30

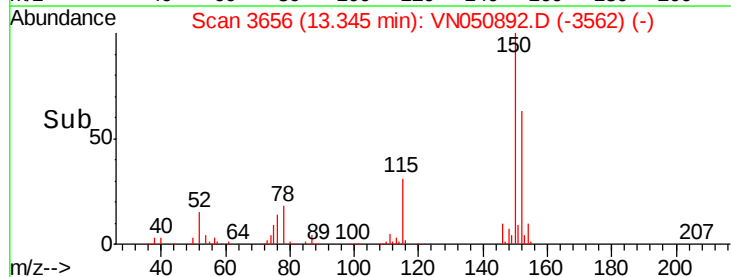
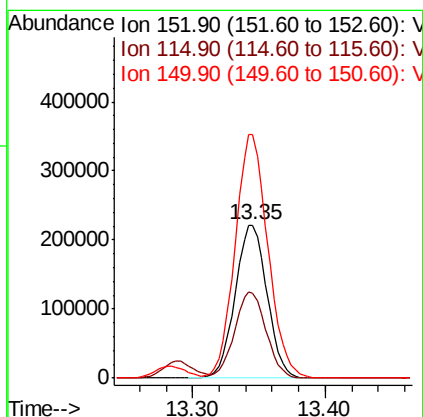
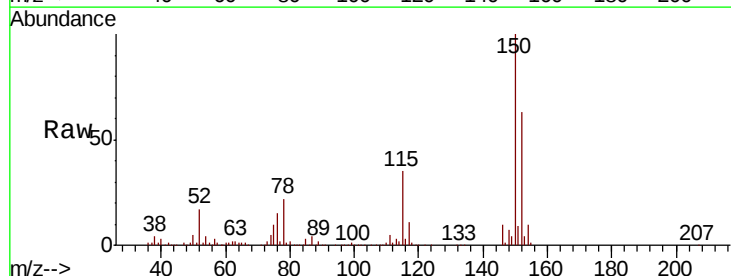
Instrument :
MSVOA_N
ClientSampleId :
VN0827WBSD01

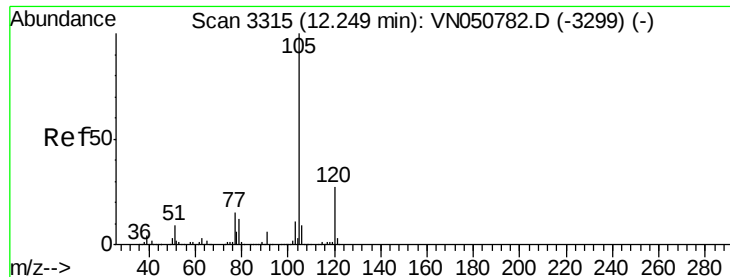
Tot Ion:173 Resp: 106577
Ion Ratio Lower Upper
173 100
175 48.8 24.4 73.4
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. 0.00 min
Lab File: VN050892.D
Acq: 27 Aug 2018 12:30

Tgt Ion:152 Resp: 368992
Ion Ratio Lower Upper
152 100
115 55.7 27.8 83.4
150 164.2 0.0 351.4





#73

Isopropylbenzene

Concen: 20.47 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. 0.00 min

Lab File: VN050892.D

Acq: 27 Aug 2018 12:30

Instrument :

MSVOA_N

ClientSampleId :

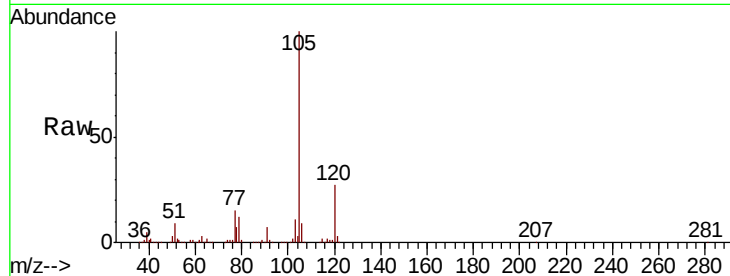
VN0827WBSD01

Tot Ion:105 Resp: 625541

Ion Ratio Lower Upper

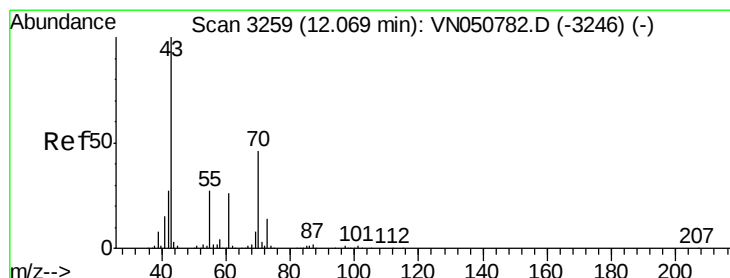
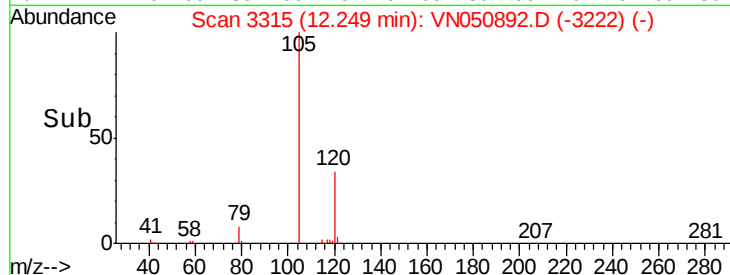
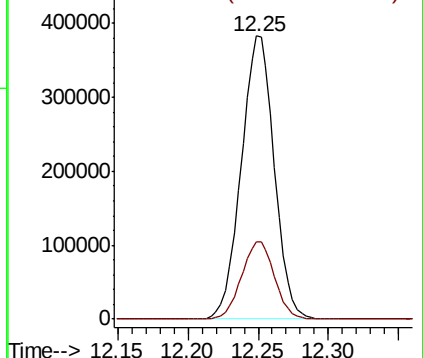
105 100

120 27.4 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.74 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN050892.D

Acq: 27 Aug 2018 12:30

Tgt Ion: 43 Resp: 159196

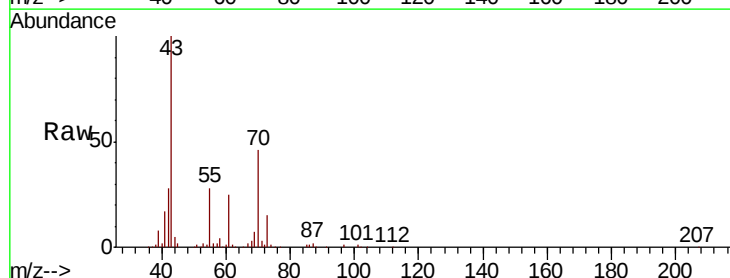
Ion Ratio Lower Upper

43 100

70 45.7 36.2 54.2

55 28.1 21.8 32.8

61 25.1 20.5 30.7

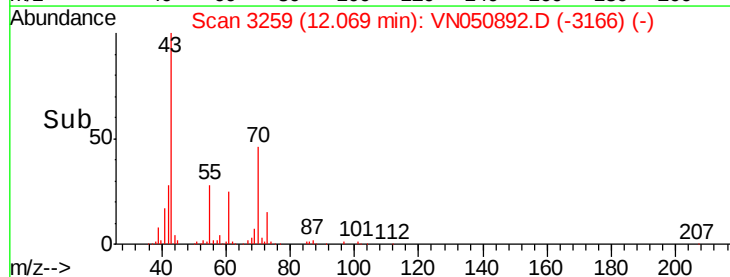
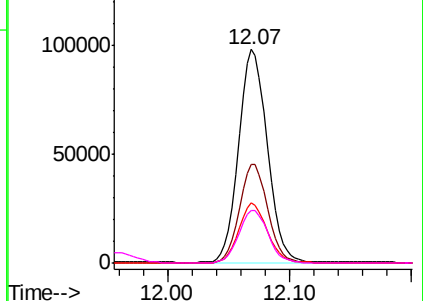


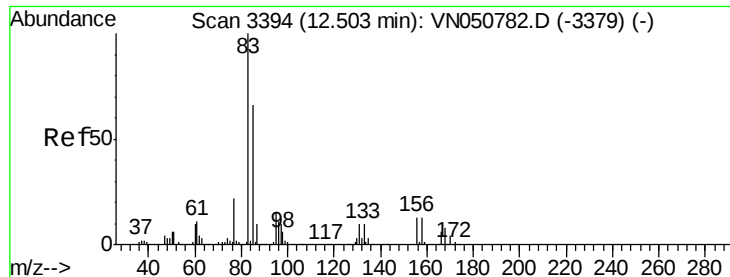
Abundance Ion 43.00 (42.70 to 43.70): VN0

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





#75

1,1,2,2-Tetrachloroethane

Concen: 23.11 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN050892.D

Acq: 27 Aug 2018 12:30

Instrument :

MSVOA_N

ClientSampled :

VN0827WBSD01

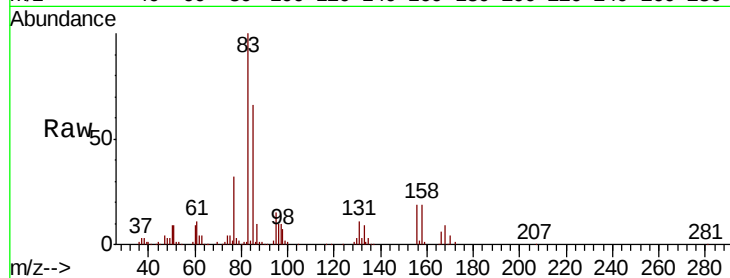
Tot Ion: 83 Resp: 174784

Ion Ratio Lower Upper

83 100

131 10.8 5.3 15.9

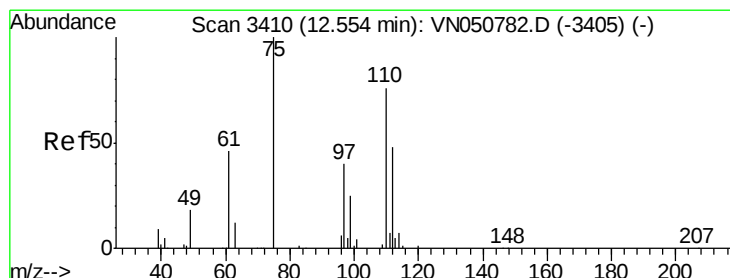
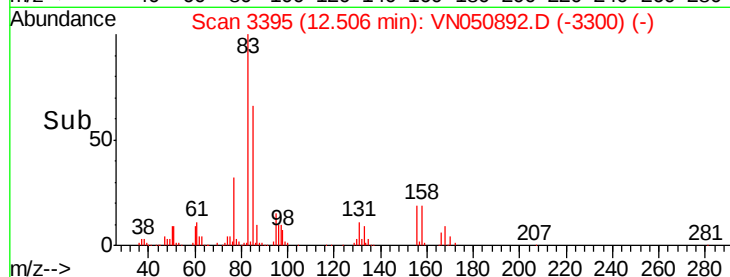
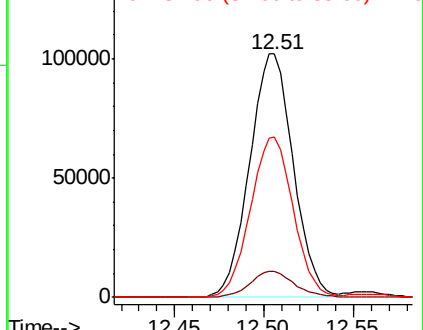
85 64.8 31.9 95.7



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 30.60 ug/l

RT: 12.55 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN050892.D

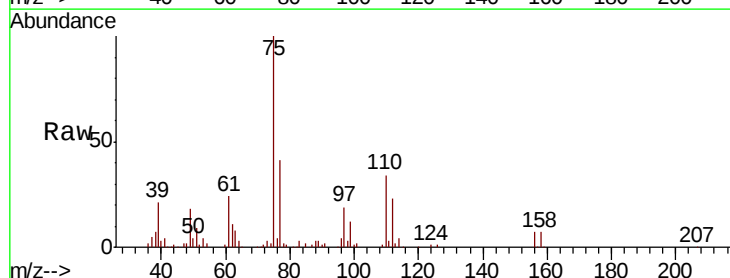
Acq: 27 Aug 2018 12:30

Tgt Ion: 75 Resp: 197758

Ion Ratio Lower Upper

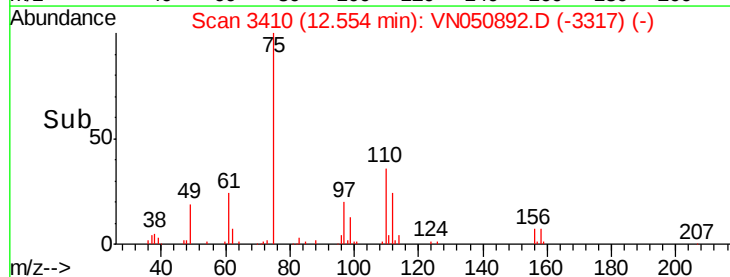
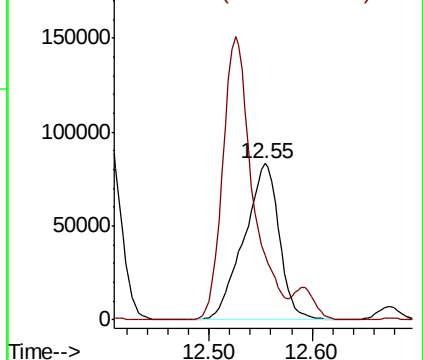
75 100

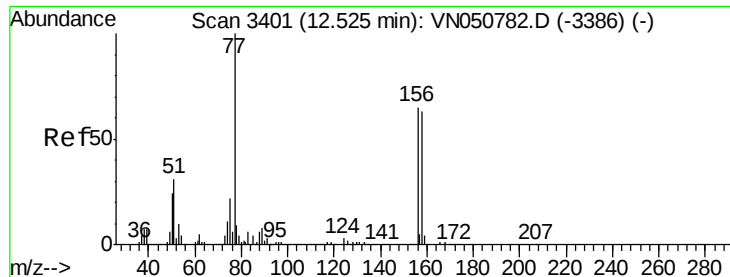
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 20.80 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN050892.D

Acq: 27 Aug 2018 12:30

Instrument :

MSVOA_N

ClientSampleId :

VN0827WBSD01

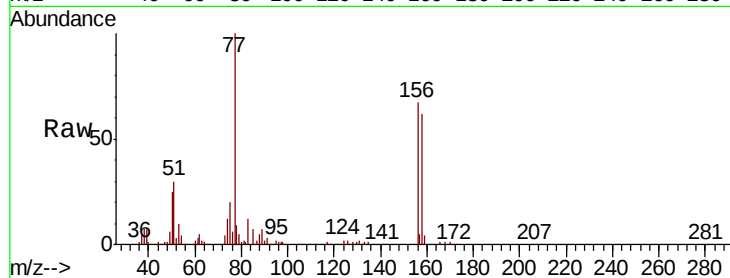
Tot Ion:156 Resp: 172691

Ion Ratio Lower Upper

156 100

77 177.7 89.9 269.7

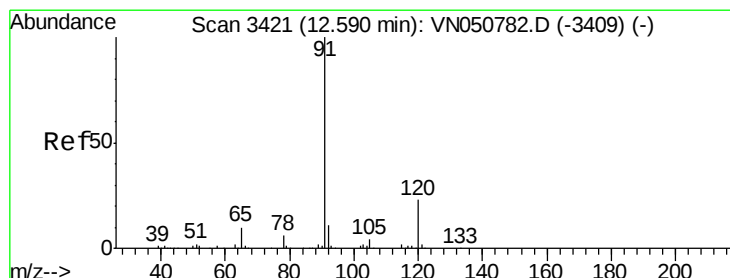
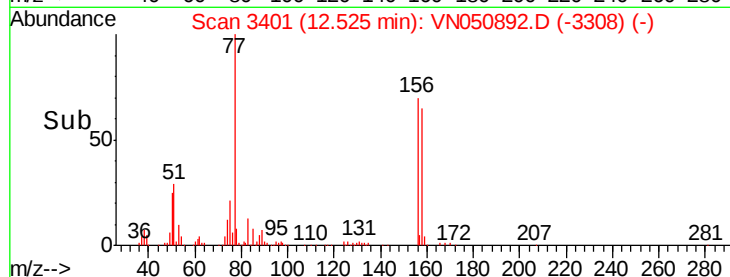
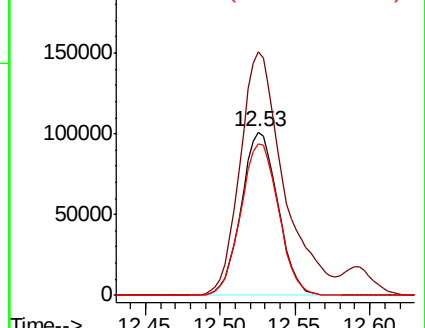
158 95.3 49.3 147.9



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: 20.55 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN050892.D

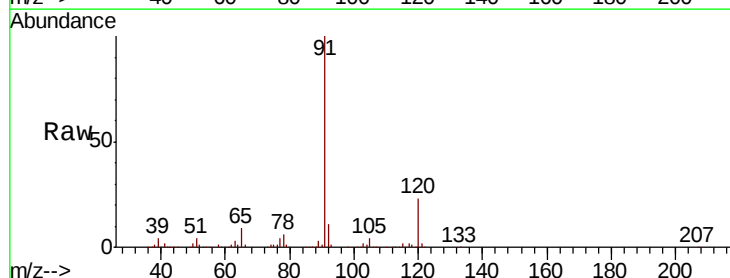
Acq: 27 Aug 2018 12:30

Tgt Ion: 91 Resp: 701275

Ion Ratio Lower Upper

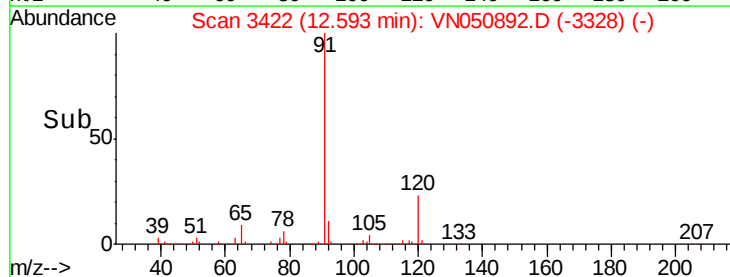
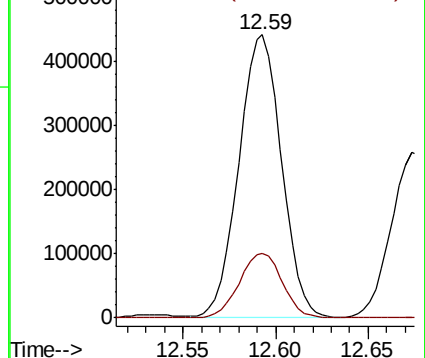
91 100

120 23.1 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: 20.51 ug/l

RT: 12.67 min Scan# 3447

Delta R.T. 0.00 min

Lab File: VN050892.D

Acq: 27 Aug 2018 12:30

Instrument :

MSVOA_N

ClientSampleId :

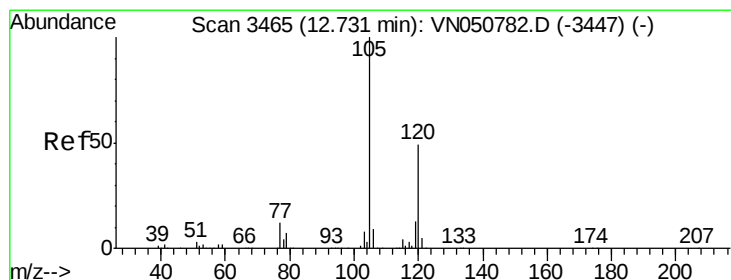
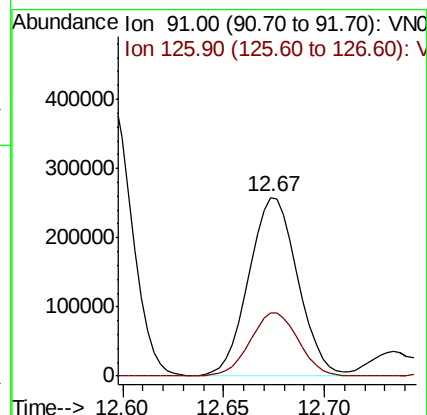
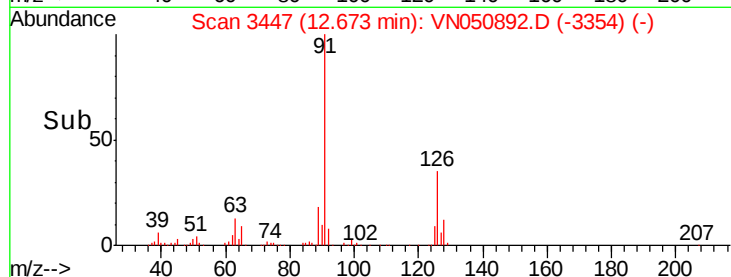
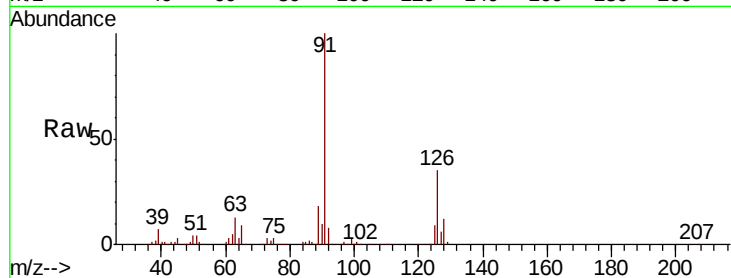
VN0827WBSD01

Tot Ion: 91 Resp: 436107

Ion Ratio Lower Upper

91 100

126 35.2 17.8 53.3



#80

1,3,5-Trimethylbenzene

Concen: 21.03 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050892.D

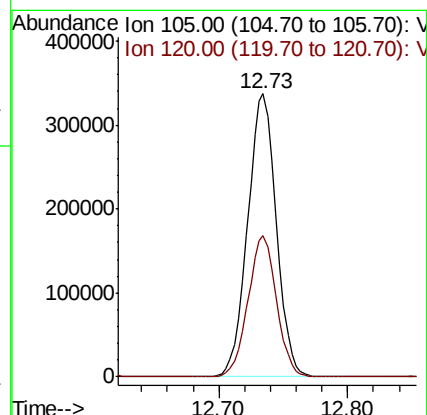
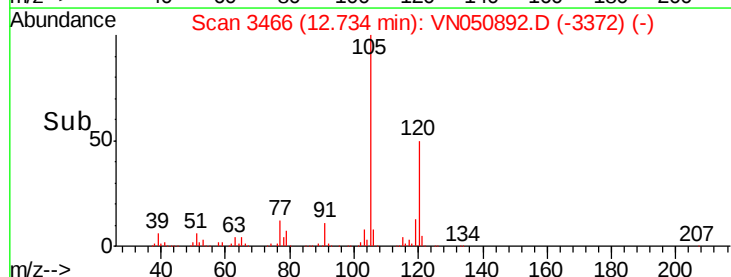
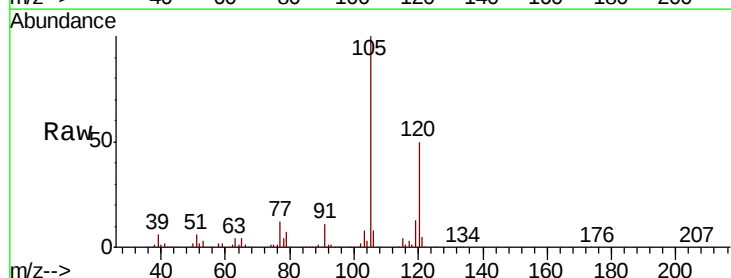
Acq: 27 Aug 2018 12:30

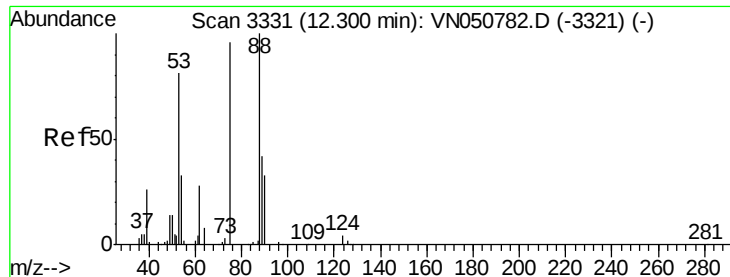
Tgt Ion: 105 Resp: 518430

Ion Ratio Lower Upper

105 100

120 49.7 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 20.57 ug/l

RT: 12.30 min Scan# 3331

Delta R.T. 0.00 min

Lab File: VN050892.D

Acq: 27 Aug 2018 12:30

Instrument :

MSVOA_N

ClientSampleId :

VN0827WBSD01

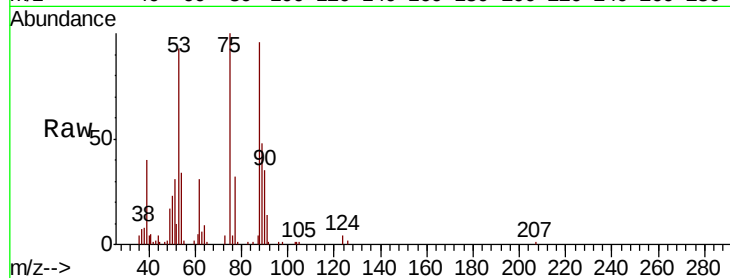
Tot Ion: 75 Resp: 39324

Ion Ratio Lower Upper

75 100

53 92.7 68.9 103.3

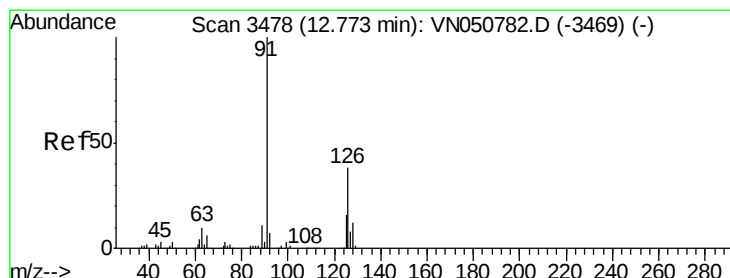
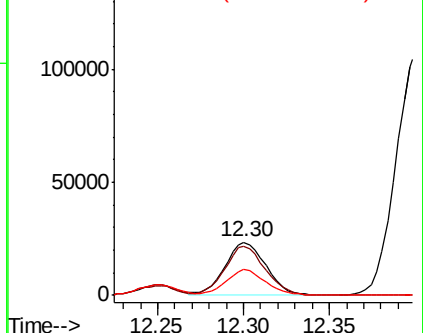
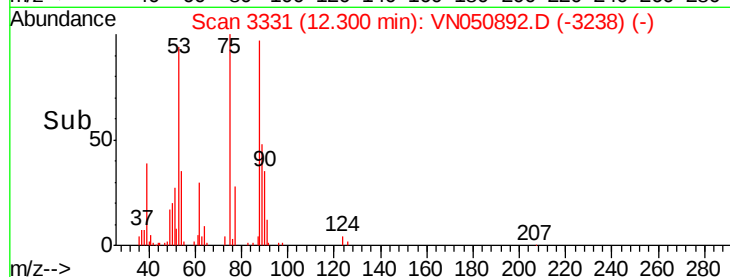
89 47.2 36.1 54.1



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 20.58 ug/l

RT: 12.77 min Scan# 3478

Delta R.T. 0.00 min

Lab File: VN050892.D

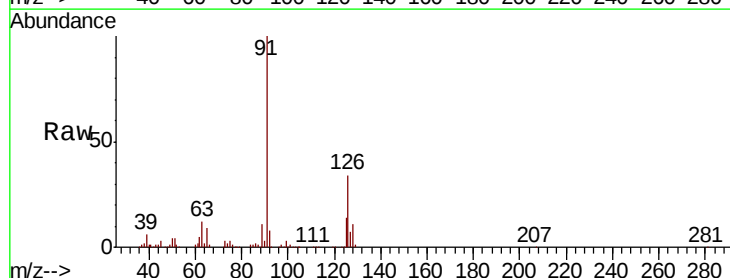
Acq: 27 Aug 2018 12:30

Tgt Ion: 91 Resp: 431881

Ion Ratio Lower Upper

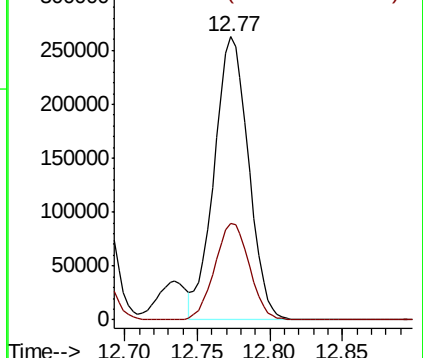
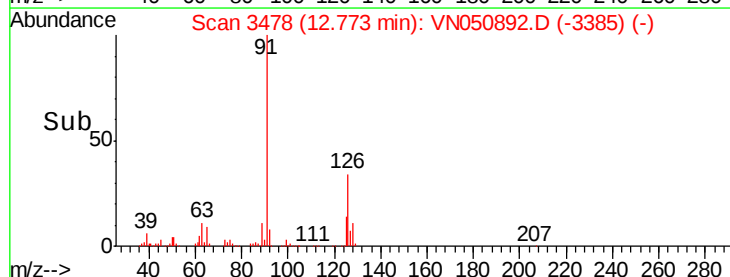
91 100

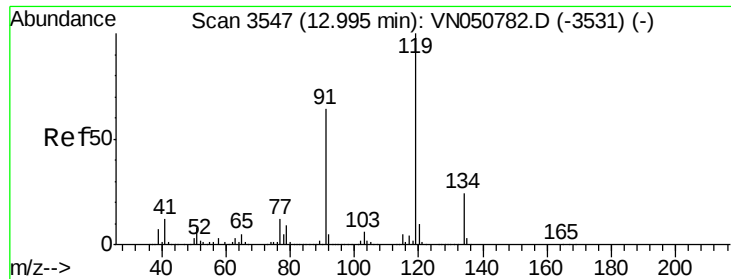
126 34.5 17.5 52.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

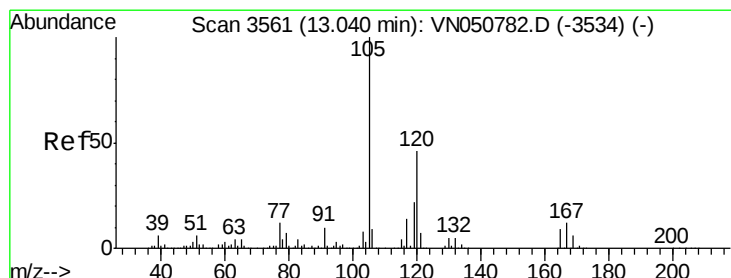
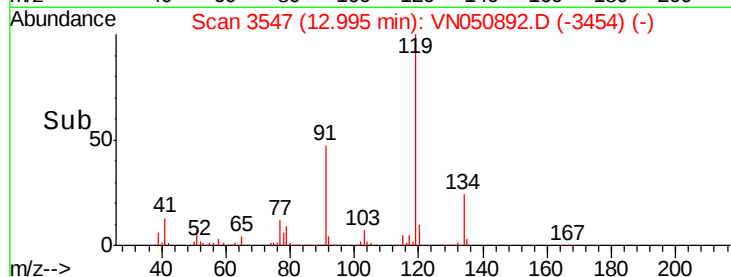
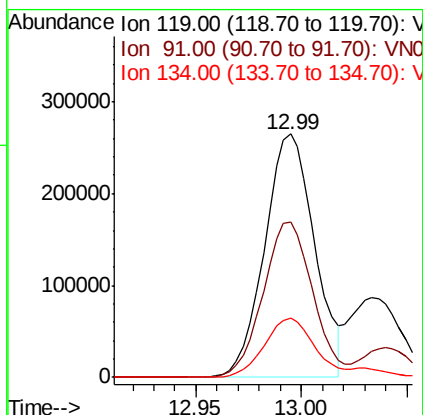
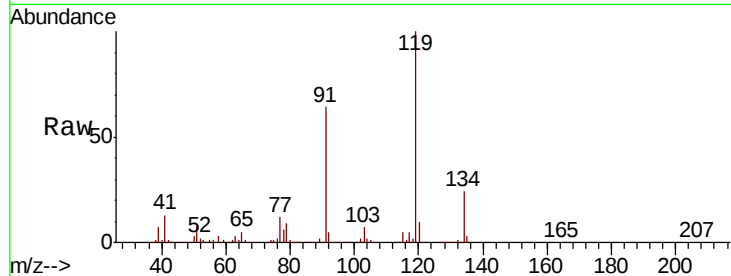




#83
 tert-Butylbenzene
 Concen: 20.41 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN050892.D
 Acq: 27 Aug 2018 12:30

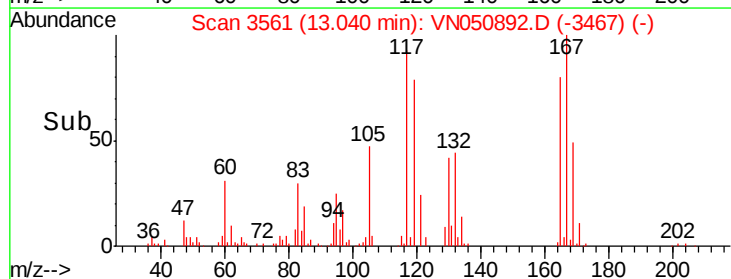
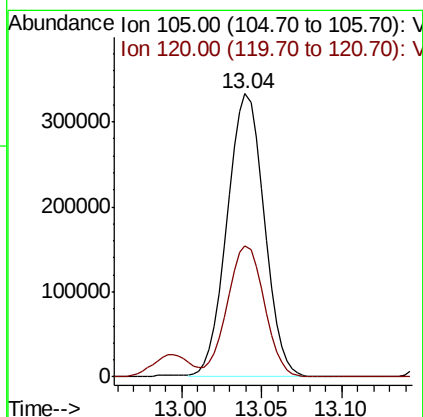
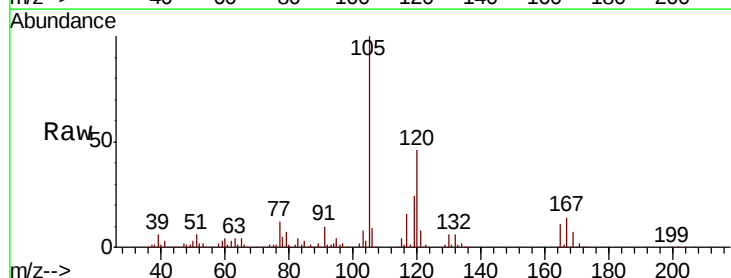
Instrument :
 MSVOA_N
 ClientSampled :
 VN0827WBSD01

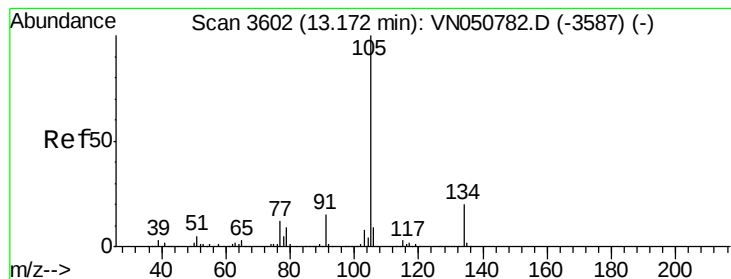
Tot Ion:119 Resp: 435820
 Ion Ratio Lower Upper
 119 100
 91 63.3 31.6 94.7
 134 24.6 13.4 40.1



#84
 1,2,4-Trimethylbenzene
 Concen: 21.16 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. 0.00 min
 Lab File: VN050892.D
 Acq: 27 Aug 2018 12:30

Tgt Ion:105 Resp: 524723
 Ion Ratio Lower Upper
 105 100
 120 46.5 22.9 68.8





#85

sec-Butylbenzene

Concen: 20.49 ug/l

RT: 13.17 min Scan# 3602

Delta R.T. 0.00 min

Lab File: VN050892.D

Acq: 27 Aug 2018 12:30

Instrument :

MSVOA_N

ClientSampleId :

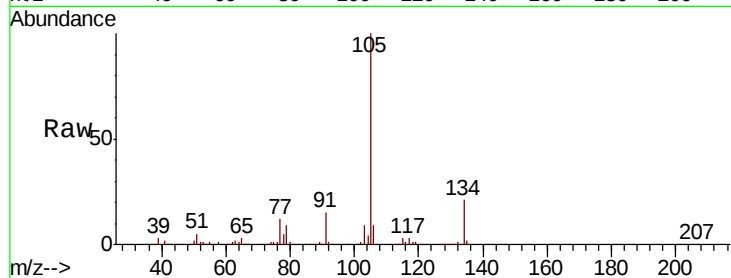
VN0827WBSD01

Tot Ion:105 Resp: 573136

Ion Ratio Lower Upper

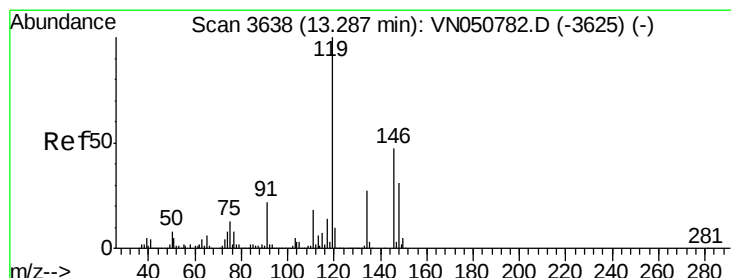
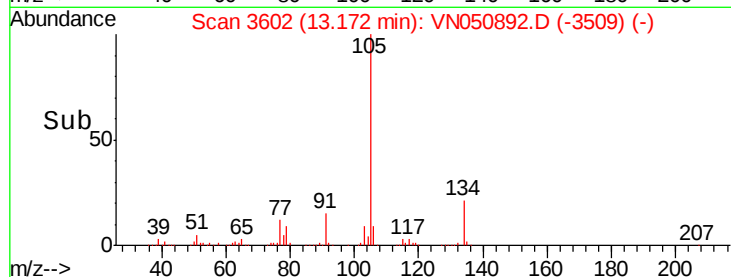
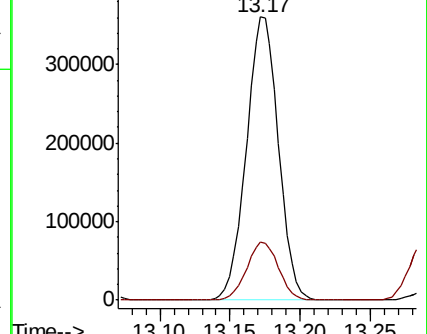
105 100

134 20.6 10.3 30.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.50 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050892.D

Acq: 27 Aug 2018 12:30

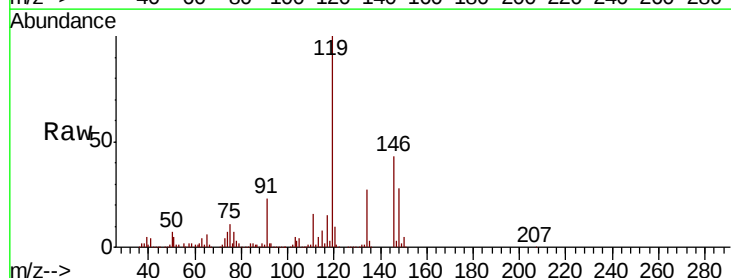
Tgt Ion:119 Resp: 488783

Ion Ratio Lower Upper

119 100

134 26.7 13.7 41.0

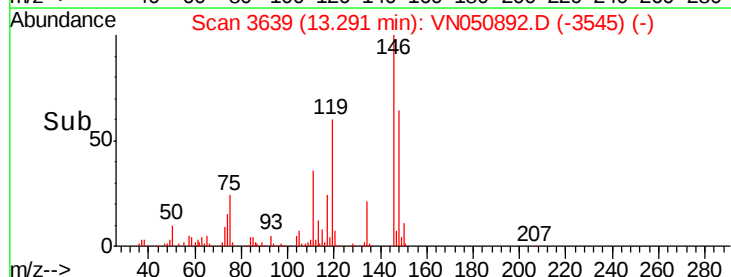
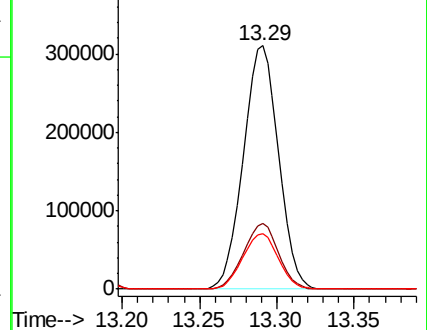
91 22.9 11.2 33.5



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 19.81 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. 0.00 min

Lab File: VN050892.D

Acq: 27 Aug 2018 12:30

Instrument :

MSVOA_N

ClientSampleId :

VN0827WBSD01

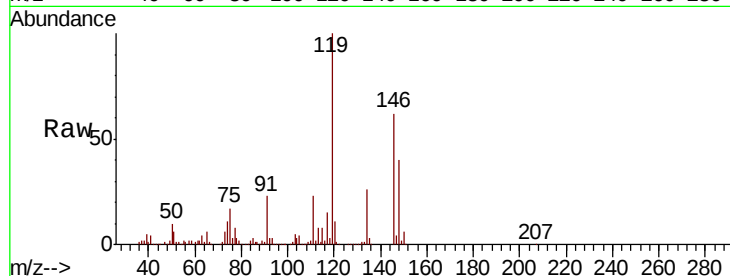
Tot Ion:146 Resp: 279116

Ion Ratio Lower Upper

146 100

111 37.5 19.1 57.3

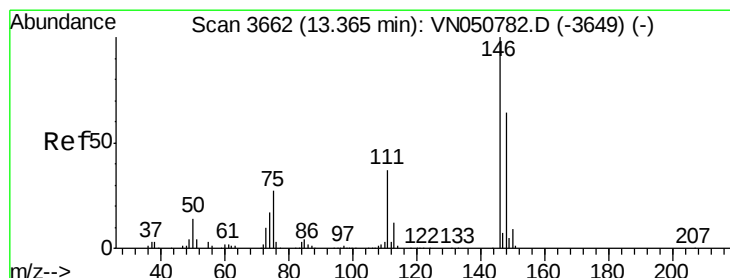
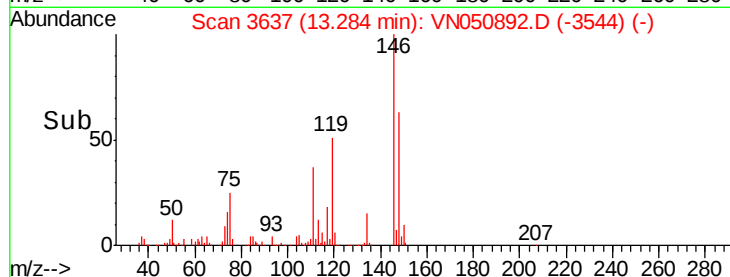
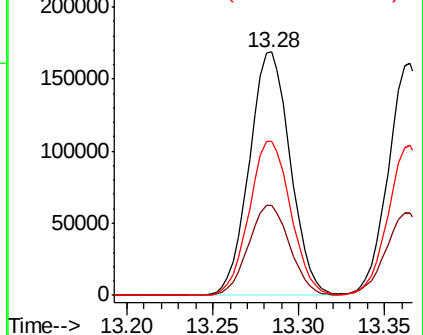
148 64.1 32.2 96.6



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: 19.21 ug/l

RT: 13.36 min Scan# 3662

Delta R.T. 0.00 min

Lab File: VN050892.D

Acq: 27 Aug 2018 12:30

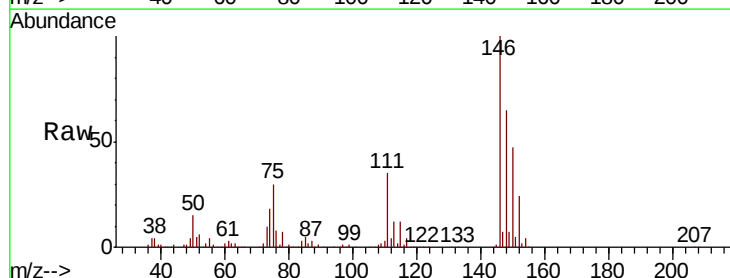
Tgt Ion:146 Resp: 266418

Ion Ratio Lower Upper

146 100

111 37.4 18.8 56.3

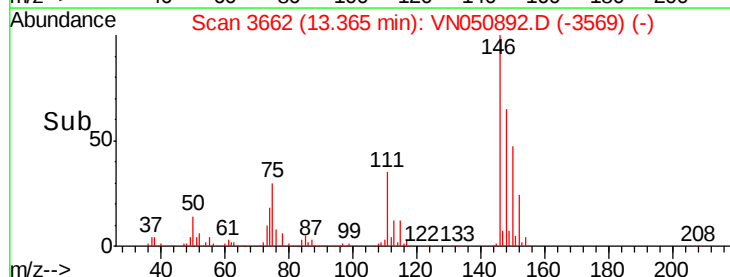
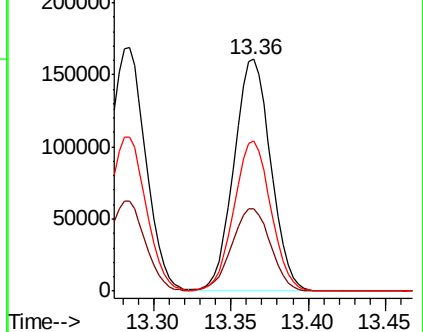
148 64.8 32.2 96.6

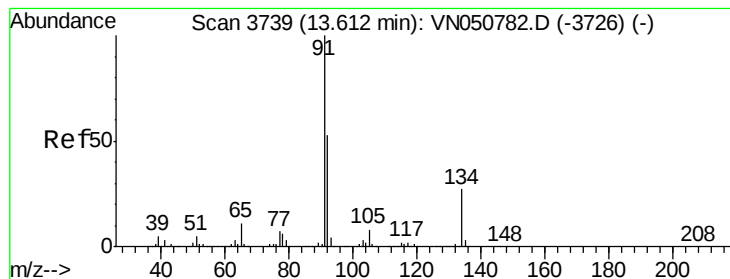


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 18.72 ug/l

RT: 13.62 min Scan# 3740

Delta R.T. 0.00 min

Lab File: VN050892.D

Acq: 27 Aug 2018 12:30

Instrument :

MSVOA_N

ClientSampleId :

VN0827WBSD01

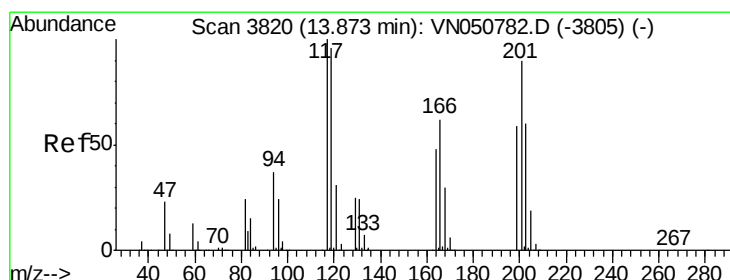
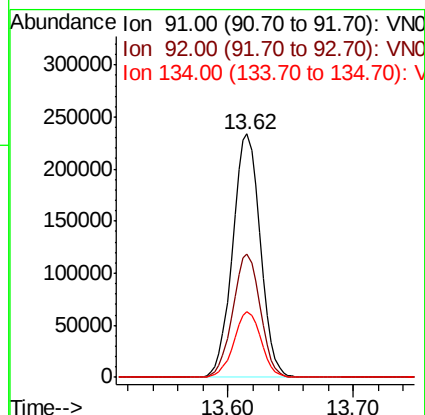
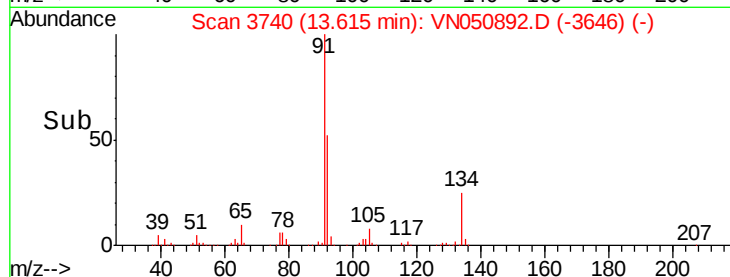
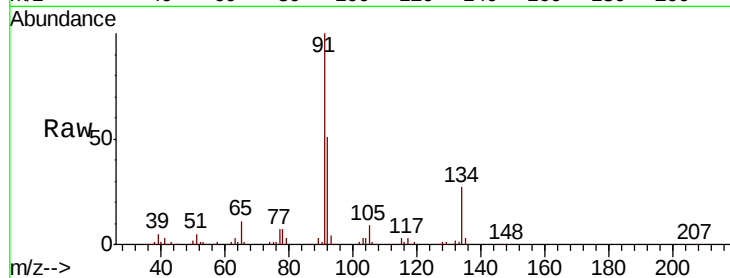
Tot Ion: 91 Resp: 356979

Ion Ratio Lower Upper

91 100

92 50.5 26.1 78.2

134 26.6 13.2 39.6



#90

Hexachloroethane

Concen: 20.91 ug/l

RT: 13.87 min Scan# 3820

Delta R.T. 0.00 min

Lab File: VN050892.D

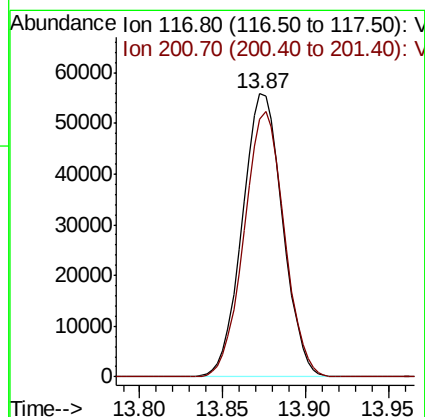
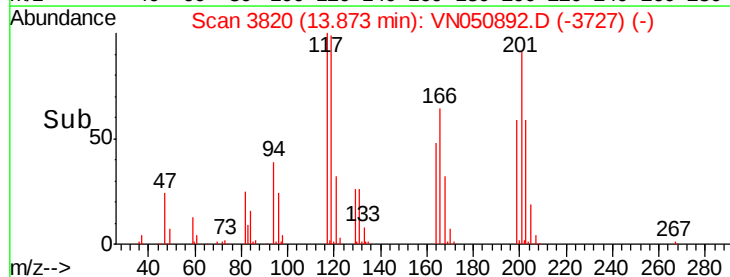
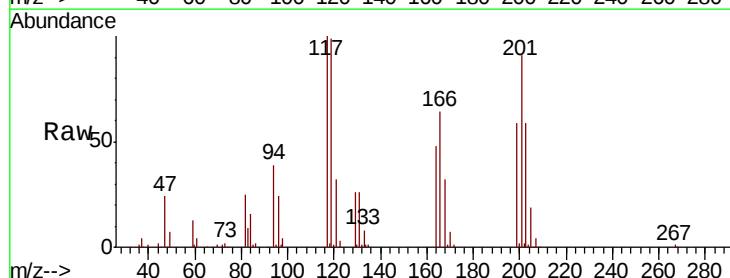
Acq: 27 Aug 2018 12:30

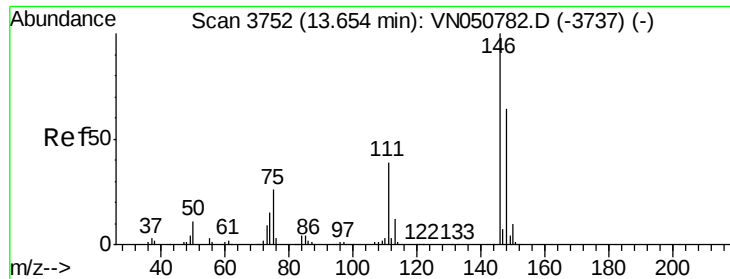
Tgt Ion: 117 Resp: 94527

Ion Ratio Lower Upper

117 100

201 93.2 46.0 137.8





#91

1,2-Dichlorobenzene

Concen: 20.28 ug/l

RT: 13.65 min Scan# 3752

Delta R.T. 0.00 min

Lab File: VN050892.D

Acq: 27 Aug 2018 12:30

Instrument :

MSVOA_N

ClientSampleId :

VN0827WBSD01

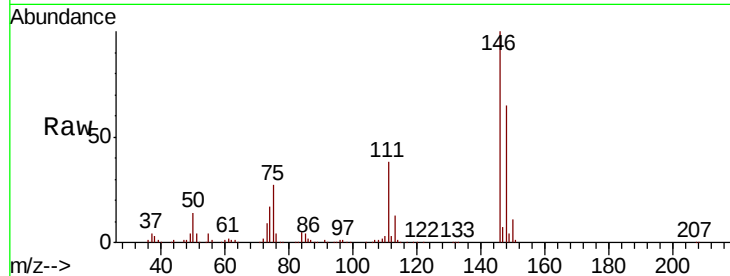
Tot Ion:146 Resp: 275675

Ion Ratio Lower Upper

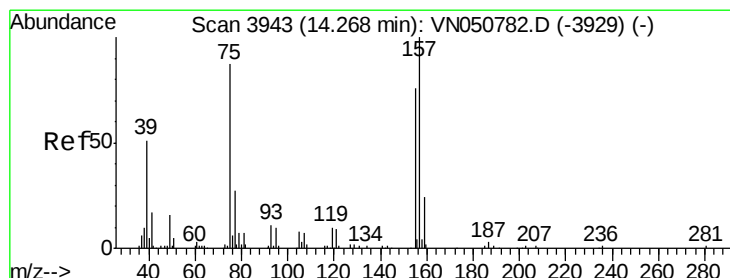
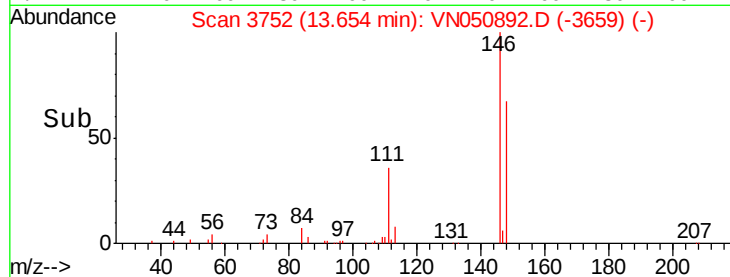
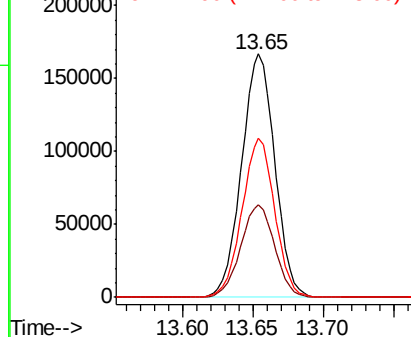
146 100

111 38.6 19.8 59.3

148 64.3 32.3 96.8



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.30 ug/l

RT: 14.27 min Scan# 3944

Delta R.T. 0.00 min

Lab File: VN050892.D

Acq: 27 Aug 2018 12:30

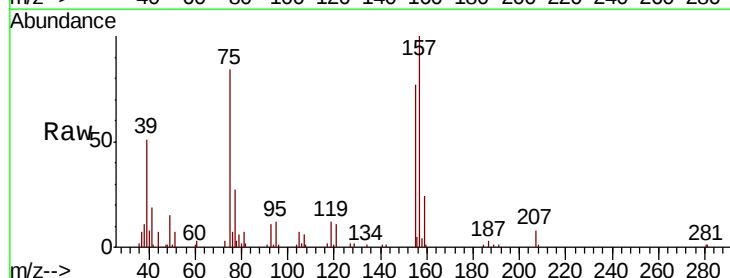
Tgt Ion: 75 Resp: 22277

Ion Ratio Lower Upper

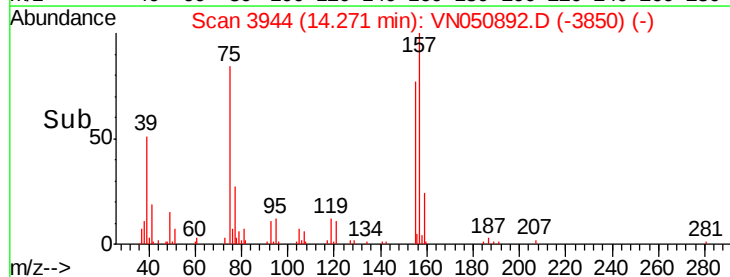
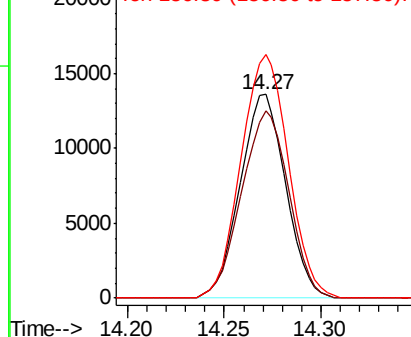
75 100

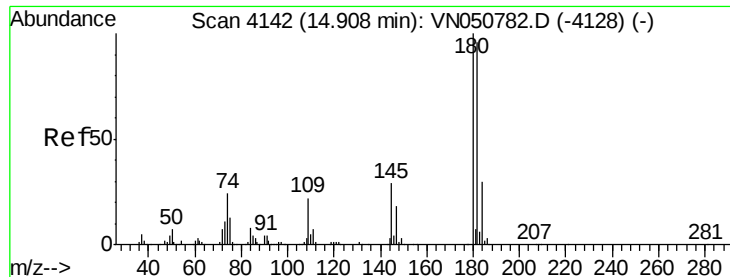
155 95.3 46.4 139.1

157 124.5 60.7 182.0



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V

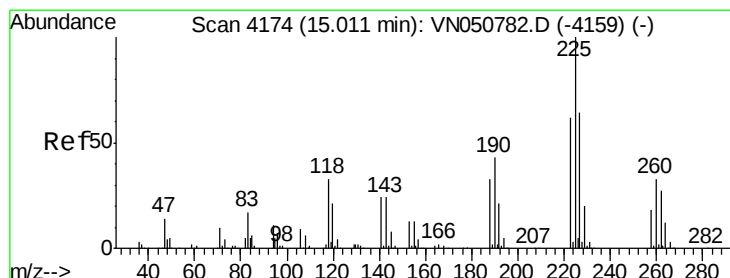
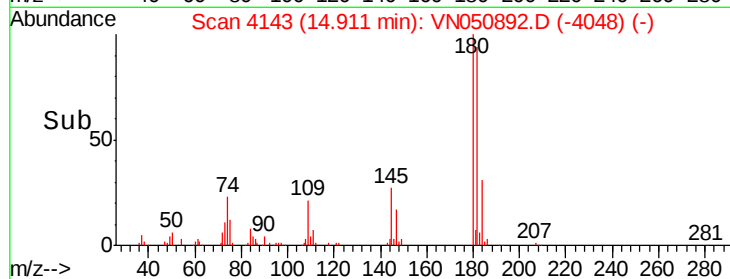
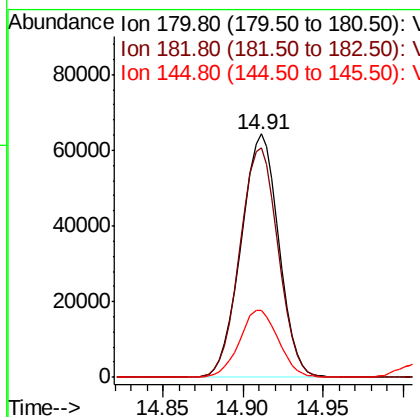
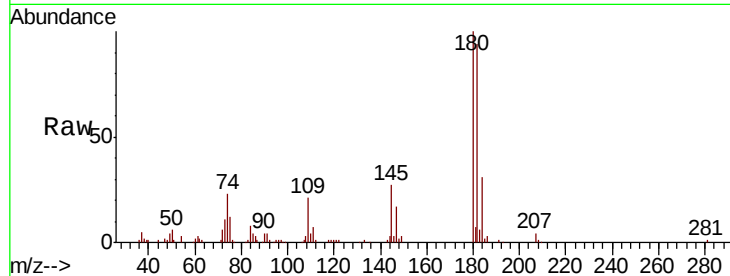




#93
 1,2,4-Trichlorobenzene
 Concen: 17.49 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050892.D
 Acq: 27 Aug 2018 12:30

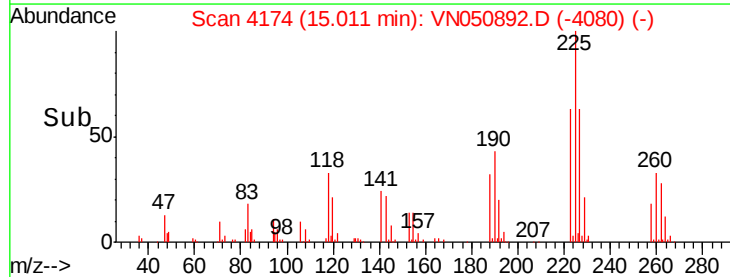
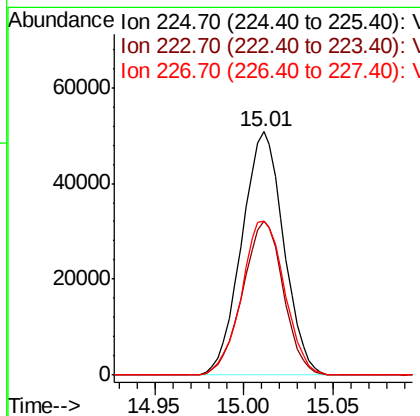
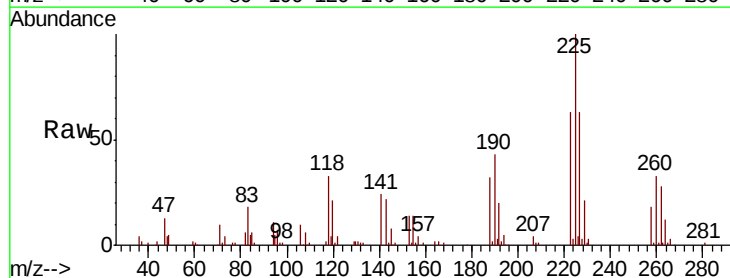
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0827WBSD01

Tot Ion:180 Resp: 103277
 Ion Ratio Lower Upper
 180 100
 182 95.8 48.2 144.6
 145 28.3 14.1 42.2



#94
 Hexachlorobutadiene
 Concen: 20.01 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. 0.00 min
 Lab File: VN050892.D
 Acq: 27 Aug 2018 12:30

Tgt Ion:225 Resp: 83334
 Ion Ratio Lower Upper
 225 100
 223 61.3 31.3 93.8
 227 64.9 32.0 96.2





#95

Naphthalene

Concen: 17.33 ug/l

RT: 15.13 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN050892.D

Acq: 27 Aug 2018 12:30

Instrument :

MSVOA_N

ClientSampleId :

VN0827WBSD01

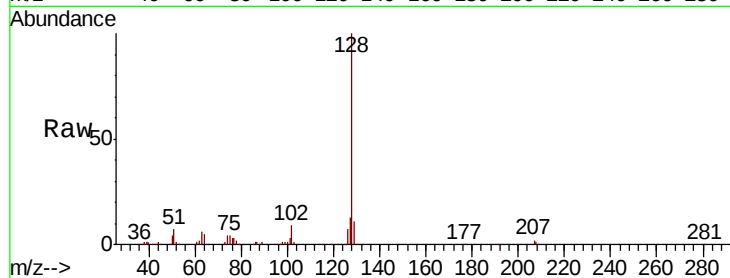
Tot Ion:128 Resp: 197252

Ion Ratio Lower Upper

128 100

127 13.2 10.5 15.7

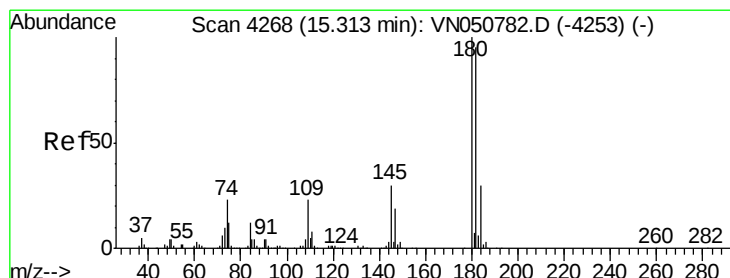
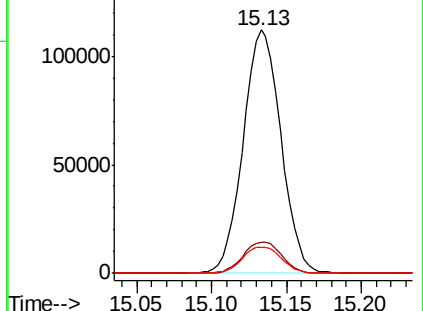
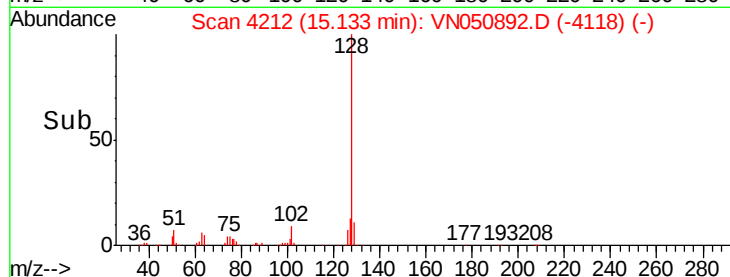
129 11.1 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 18.31 ug/l

RT: 15.31 min Scan# 4268

Delta R.T. 0.00 min

Lab File: VN050892.D

Acq: 27 Aug 2018 12:30

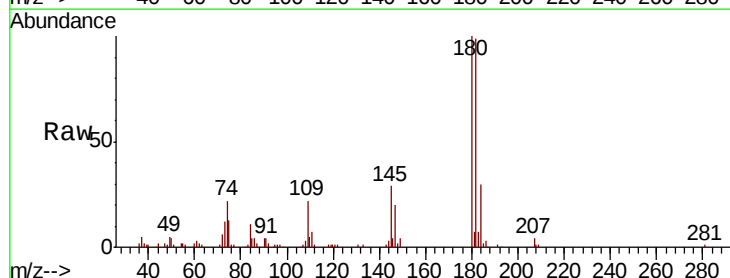
Tgt Ion:180 Resp: 106583

Ion Ratio Lower Upper

180 100

182 98.4 48.0 144.2

145 30.1 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

