

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080218\
 Data File : VN050282.D
 Acq On : 2 Aug 2018 23:39
 Operator : MD\SY
 Sample : VN0802WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0802WBSD02

Quant Time: Aug 03 01:59:39 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 26 18:10:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	585124	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	893864	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	798984	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	396678	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	411521	50.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.82%	
35) Dibromofluoromethane	7.59	113	370019	50.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.40%	
50) Toluene-d8	10.09	98	1319938	49.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.38%	
62) 4-Bromofluorobenzene	12.40	95	431670	48.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	169084	20.11	ug/l	98
3) Chloromethane	2.06	50	164686	18.02	ug/l	99
4) Vinyl Chloride	2.18	62	178227	18.52	ug/l	99
5) Bromomethane	2.56	94	74485	13.20	ug/l	99
6) Chloroethane	2.70	64	107114	18.53	ug/l	98
7) Trichlorofluoromethane	3.01	101	246995	19.81	ug/l	97
8) Diethyl Ether	3.41	74	88103	21.20	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	151255	20.18	ug/l	100
10) Methyl Iodide	3.95	142	97574	10.14	ug/l	100
11) Tert butyl alcohol	4.80	59	75083	125.00	ug/l	100
12) 1,1-Dichloroethene	3.73	96	134798	19.99	ug/l	97
13) Acrolein	3.61	56	80929	167.69	ug/l	99
14) Allyl chloride	4.32	41	208596	19.95	ug/l	98
15) Acrylonitrile	5.00	53	302704	115.51	ug/l	98
16) Acetone	3.82	43	228904	116.72	ug/l	99
17) Carbon Disulfide	4.05	76	351544	17.02	ug/l	100
18) Methyl Acetate	4.33	43	225032	29.42	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	398933	22.20	ug/l	100
20) Methylene Chloride	4.55	84	159116	21.26	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	140159	19.61	ug/l	99
22) Diisopropyl ether	5.96	45	468131	22.58	ug/l	95
23) Vinyl Acetate	5.90	43	1527129	104.22	ug/l	100
24) 1,1-Dichloroethane	5.85	63	284695	21.00	ug/l	98
25) 2-Butanone	6.85	43	357647	114.85	ug/l	99
26) 2,2-Dichloropropane	6.83	77	163943	15.89	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	161284	20.97	ug/l	98
28) Bromochloromethane	7.20	49	127274	20.58	ug/l	99
29) Tetrahydrofuran	7.22	42	239864	119.21	ug/l	99
30) Chloroform	7.37	83	290170	20.97	ug/l	99
31) Cyclohexane	7.66	56	216014	19.17	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	245057	20.71	ug/l	99
36) 1,1-Dichloropropene	7.80	75	200001	19.86	ug/l	98
37) Ethyl Acetate	6.94	43	150851	21.48	ug/l	99
38) Carbon Tetrachloride	7.77	117	214216	20.05	ug/l	99

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 Quant Title : SW846 8260
 QLast Update : Thu Jul 26 18:10:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	193297	18.66	ug/l	98
40) Benzene	8.04	78	635593	20.74	ug/l	99
41) Methacrylonitrile	7.18	41	76027	22.40	ug/l	88
42) 1,2-Dichloroethane	8.13	62	209511	20.49	ug/l	100
43) Isopropyl Acetate	8.17	43	317728	23.41	ug/l #	93
44) Trichloroethene	8.84	130	163646	19.87	ug/l	99
45) 1,2-Dichloropropane	9.12	63	170129	20.96	ug/l	98
46) Dibromomethane	9.21	93	106922	21.21	ug/l	100
47) Bromodichloromethane	9.41	83	223721	21.03	ug/l	100
48) Methyl methacrylate	9.20	41	134993	22.32	ug/l	99
49) 1,4-Dioxane	9.20	88	39352	478.20	ug/l	100
51) 4-Methyl-2-Pentanone	9.99	43	814118	117.95	ug/l	100
52) Toluene	10.16	92	386770	21.38	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	202466	20.17	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	235856	20.56	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	155471	21.67	ug/l	98
56) Ethyl methacrylate	10.43	69	187105	20.50	ug/l	100
57) 1,3-Dichloropropane	10.71	76	249855	21.39	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	366059	86.39	ug/l	99
59) 2-Hexanone	10.76	43	543548	110.12	ug/l	99
60) Dibromochloromethane	10.90	129	171148	21.54	ug/l	98
61) 1,2-Dibromoethane	11.01	107	149542	21.01	ug/l	97
64) Tetrachloroethene	10.63	164	153639	20.00	ug/l	98
65) Chlorobenzene	11.44	112	417328	20.68	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	163450	21.08	ug/l	99
67) Ethyl Benzene	11.51	91	678632	20.93	ug/l	100
68) m/p-Xylenes	11.63	106	529391	43.17	ug/l	99
69) o-Xylene	11.95	106	255272	21.84	ug/l	97
70) Styrene	11.97	104	405484	20.07	ug/l	100
71) Bromoform	12.13	173	121119	21.47	ug/l #	100
73) Isopropylbenzene	12.25	105	679567	22.09	ug/l	99
74) N-amyl acetate	12.07	43	205158	21.82	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	205381	24.08	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	240114	32.57	ug/l #	100
77) Bromobenzene	12.53	156	177137	20.77	ug/l	97
78) n-propylbenzene	12.59	91	762405	22.17	ug/l	99
79) 2-Chlorotoluene	12.68	91	470125	22.06	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	557973	23.06	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	46743	20.11	ug/l	96
82) 4-Chlorotoluene	12.78	91	468120	22.18	ug/l	99
83) tert-Butylbenzene	13.00	119	473244	22.41	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	561398	23.02	ug/l	99
85) sec-Butylbenzene	13.17	105	630327	22.34	ug/l	99
86) p-Isopropyltoluene	13.29	119	531527	22.36	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	308731	21.36	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	298216	21.17	ug/l	98
89) n-Butylbenzene	13.62	91	398761	20.40	ug/l	99
90) Hexachloroethane	13.88	117	107843	20.43	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	309593	21.43	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	33199	23.79	ug/l	97

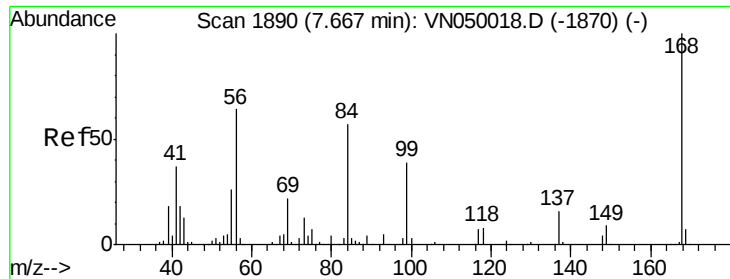
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080218\
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Acq On : 2 Aug 2018 23:39
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Quant Time: Aug 03 01:59:39 2018
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Quant Title : SW846 8260
QLast Update : Thu Jul 26 18:10:10 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	132095	19.26	ug/l	97
94) Hexachlorobutadiene	15.01	225	91291	20.64	ug/l	100
95) Naphthalene	15.14	128	298675	19.45	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	142533	20.46	ug/l	100

(#) = 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: VN050282.D

Acq: 2 Aug 2018 23:39

Instrument :

MSVOA_N

ClientSampleId :

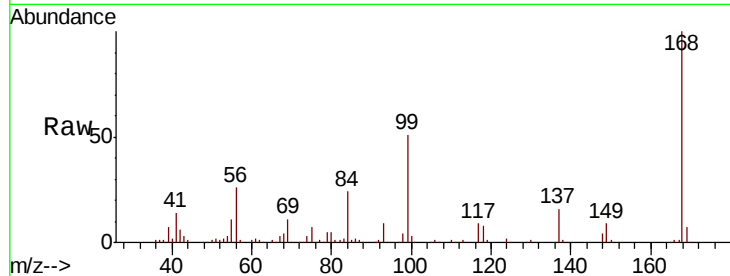
VN0802WBSD02

Tot Ion:168 Resp: 585124

Ion Ratio Lower Upper

168 100

99 50.6 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

250000

200000

150000

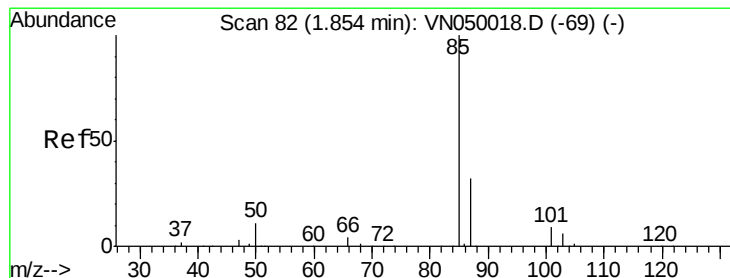
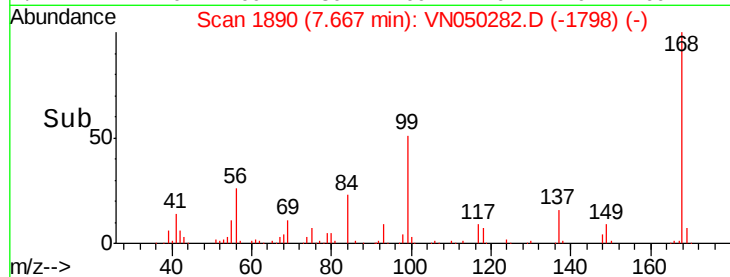
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 20.11 ug/l

RT: 1.85 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN050282.D

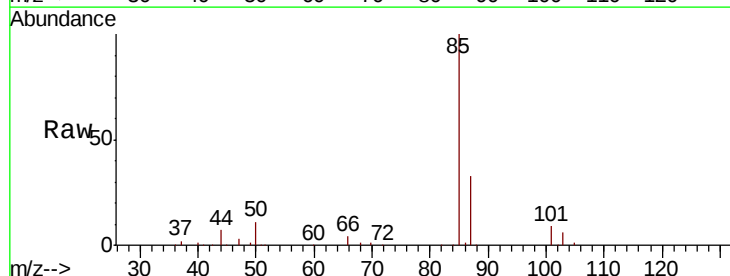
Acq: 2 Aug 2018 23:39

Tgt Ion: 85 Resp: 169084

Ion Ratio Lower Upper

85 100

87 33.1 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

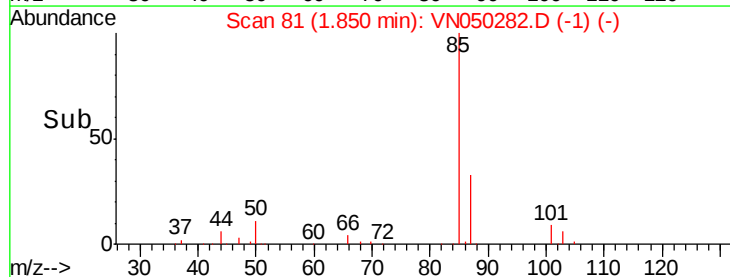
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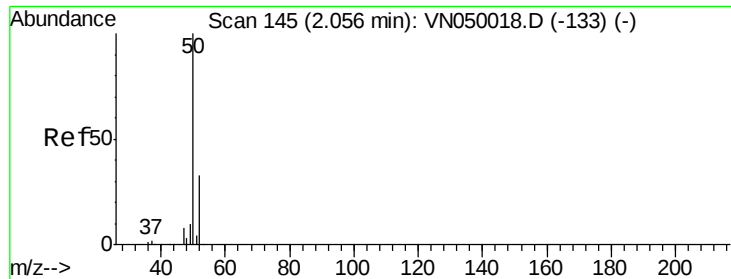
50000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 18.02 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN050282.D

Acq: 2 Aug 2018 23:39

Instrument :

MSVOA_N

ClientSampleId :

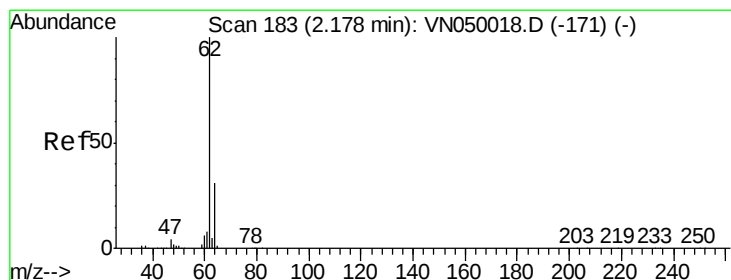
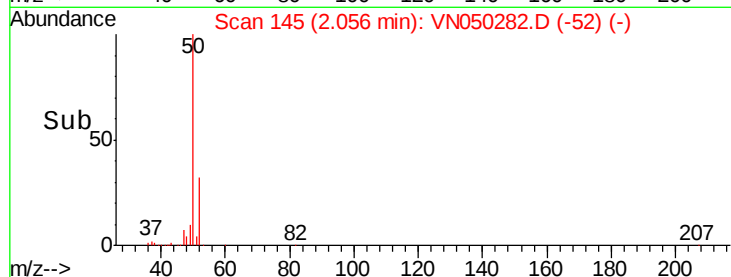
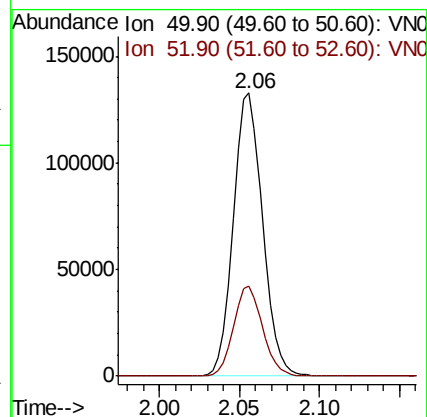
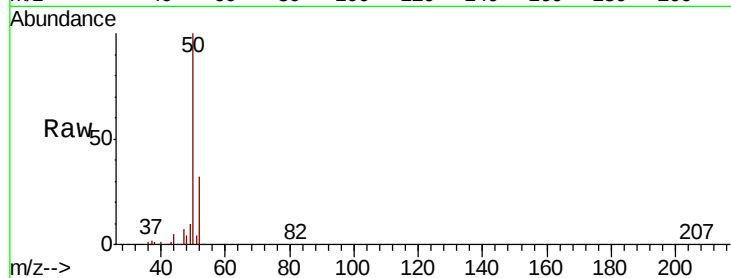
VN0802WBSD02

Tot Ion: 50 Resp: 164686

Ion Ratio Lower Upper

50 100

52 31.9 25.9 38.9



#4

Vinyl Chloride

Concen: 18.52 ug/l

RT: 2.18 min Scan# 183

Delta R.T. 0.00 min

Lab File: VN050282.D

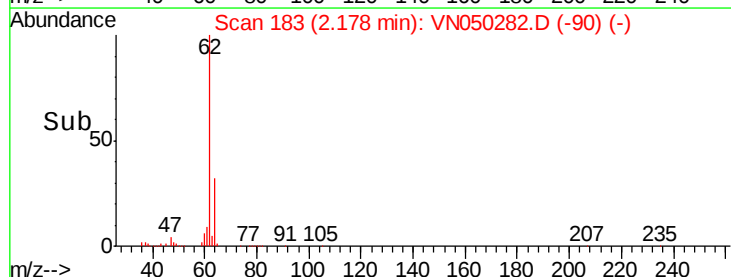
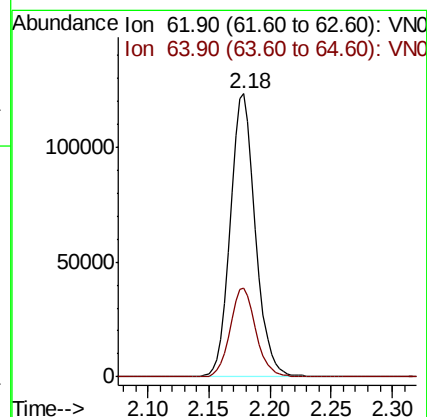
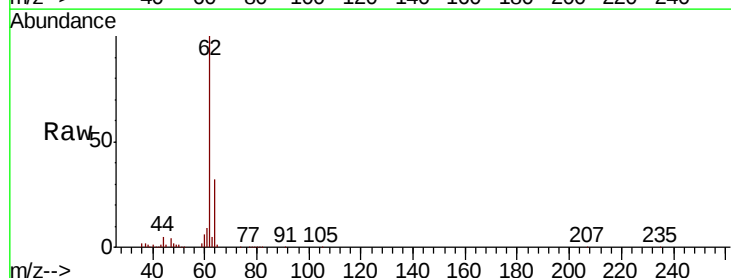
Acq: 2 Aug 2018 23:39

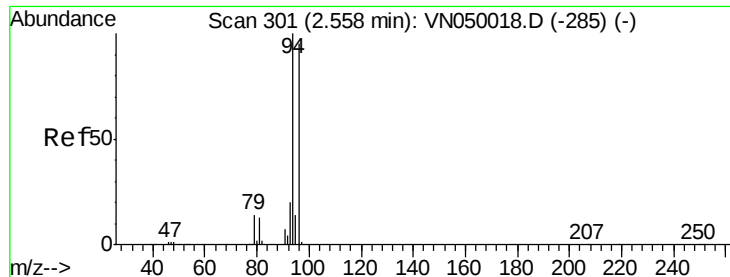
Tgt Ion: 62 Resp: 178227

Ion Ratio Lower Upper

62 100

64 31.5 24.7 37.1





#5

Bromomethane

Concen: 13.20 ug/l

RT: 2.56 min Scan# 301

Delta R.T. 0.01 min

Lab File: VN050282.D

Acq: 2 Aug 2018 23:39

Instrument :

MSVOA_N

ClientSampleId :

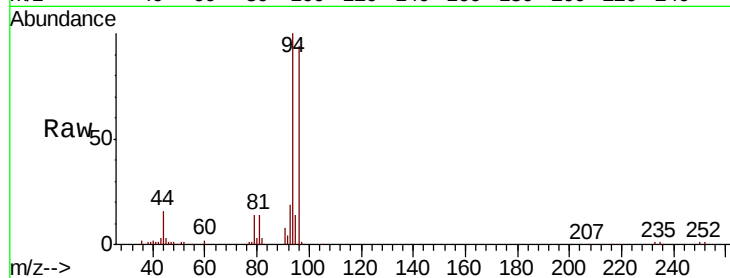
VN0802WBSD02

Tot Ion: 94 Resp: 74485

Ion Ratio Lower Upper

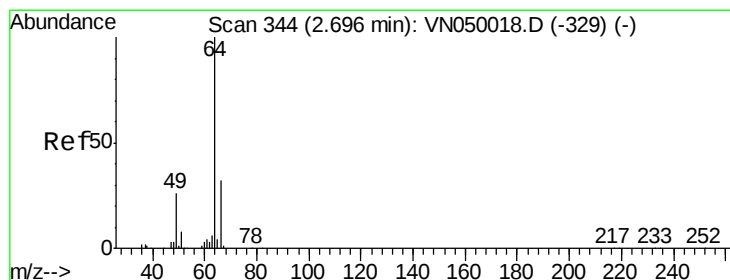
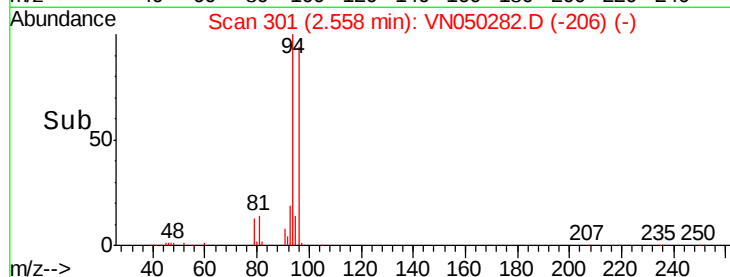
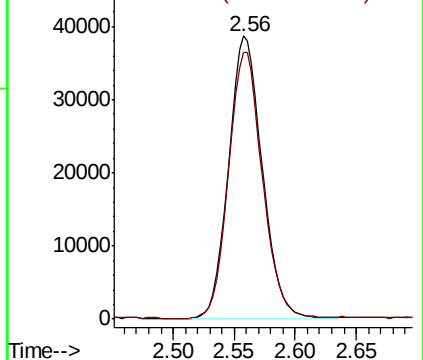
94 100

96 94.2 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 18.53 ug/l

RT: 2.70 min Scan# 344

Delta R.T. 0.00 min

Lab File: VN050282.D

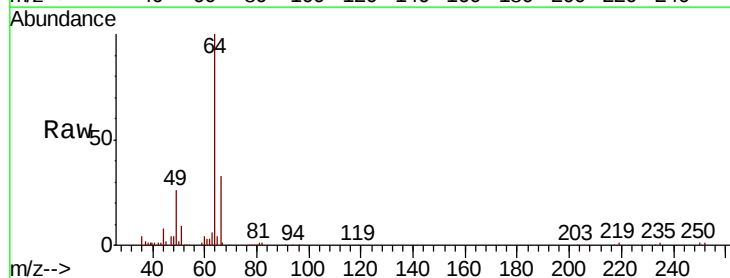
Acq: 2 Aug 2018 23:39

Tgt Ion: 64 Resp: 107114

Ion Ratio Lower Upper

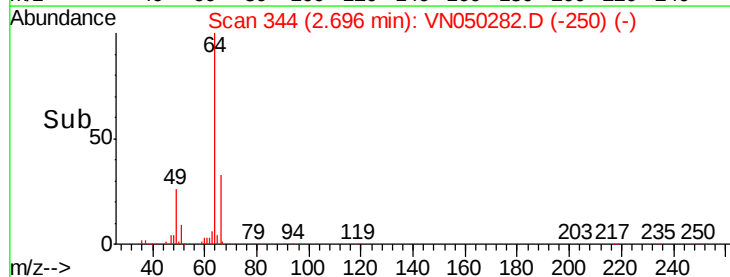
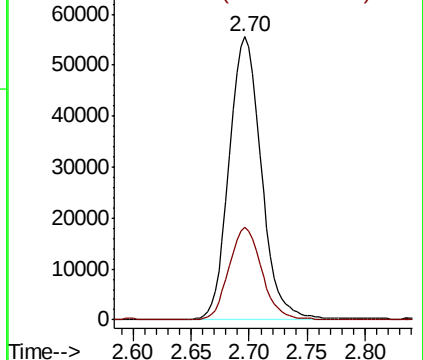
64 100

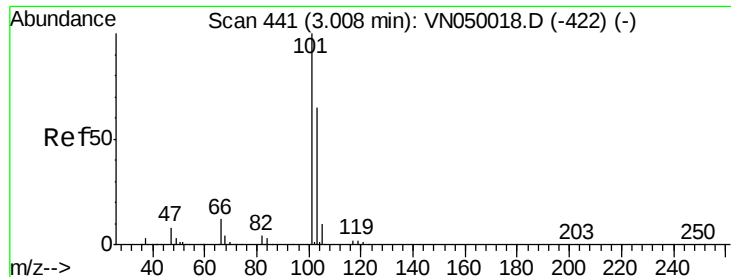
66 32.8 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



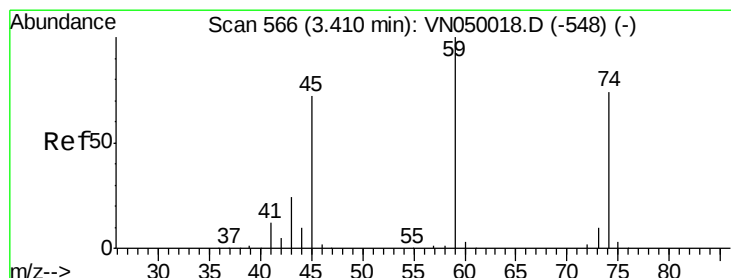
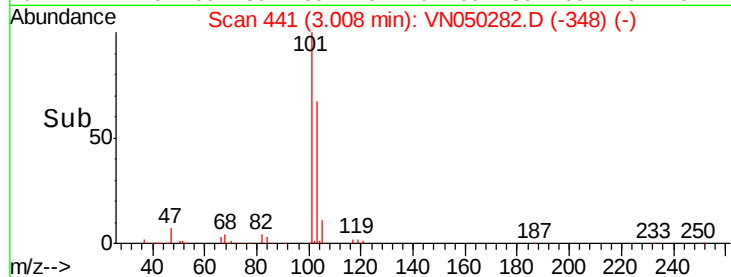
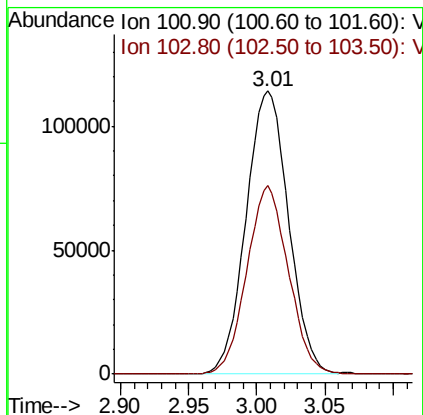
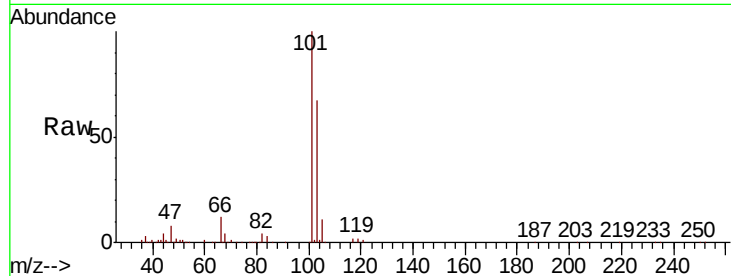


#7

Trichlorofluoromethane
 Concen: 19.81 ug/l
 RT: 3.01 min Scan# 441
 Delta R.T. 0.00 min
 Lab File: VN050282.D
 Acq: 2 Aug 2018 23:39

Instrument :
 MSVOA_N
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 VN0802WBSD02

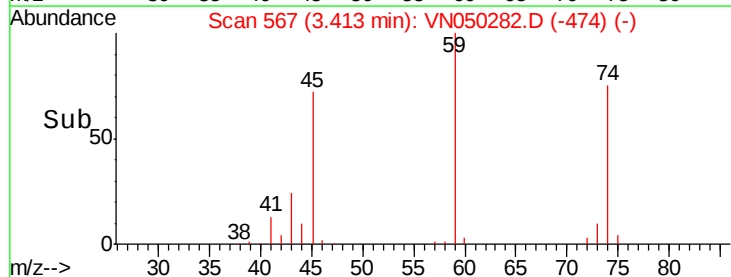
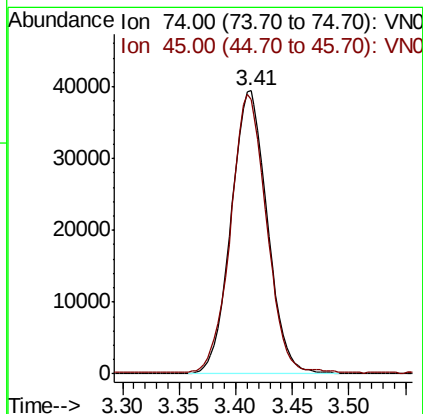
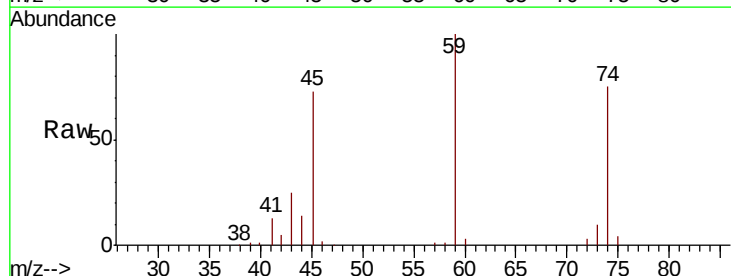
Tot Ion:101 Resp: 246995
 Ion Ratio Lower Upper
 101 100
 103 66.8 51.7 77.5

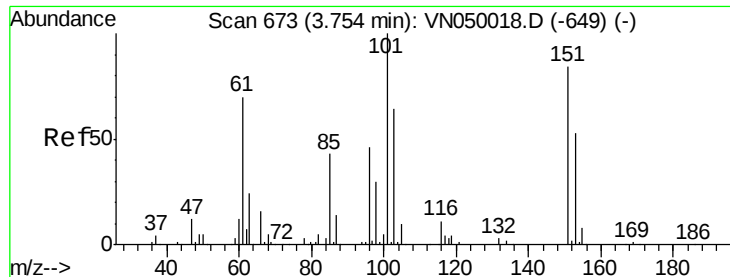


#8

Diethyl Ether
 Concen: 21.20 ug/l
 RT: 3.41 min Scan# 567
 Delta R.T. 0.00 min
 Lab File: VN050282.D
 Acq: 2 Aug 2018 23:39

Tgt Ion: 74 Resp: 88103
 Ion Ratio Lower Upper
 74 100
 45 97.2 47.6 142.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.18 ug/l

RT: 3.75 min Scan# 672

Delta R.T. -0.00 min

Lab File: VN050282.D

Acq: 2 Aug 2018 23:39

Instrument :

MSVOA_N

ClientSampleId :

VN0802WBSD02

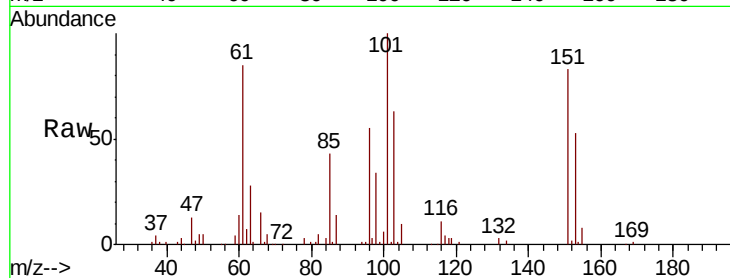
Tot Ion:101 Resp: 151255

Ion Ratio Lower Upper

101 100

85 42.7 34.2 51.2

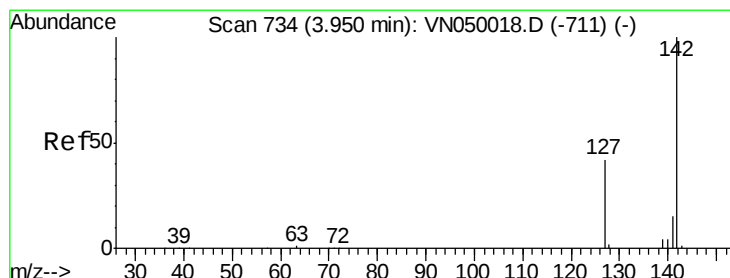
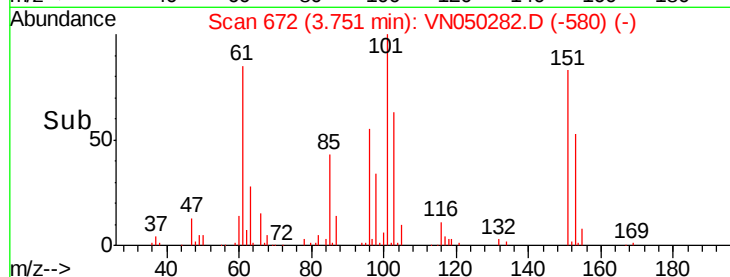
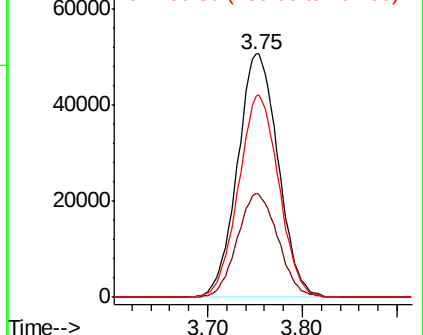
151 82.4 66.3 99.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 10.14 ug/l

RT: 3.95 min Scan# 733

Delta R.T. -0.00 min

Lab File: VN050282.D

Acq: 2 Aug 2018 23:39

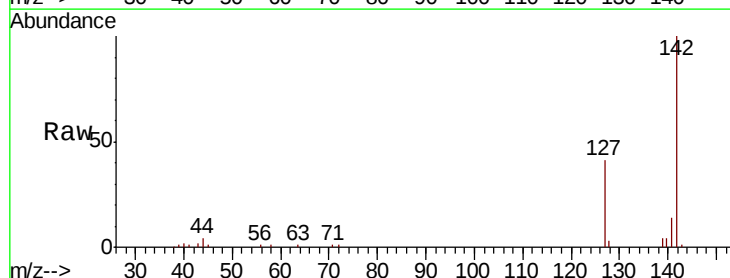
Tgt Ion:142 Resp: 97574

Ion Ratio Lower Upper

142 100

127 41.8 33.4 50.2

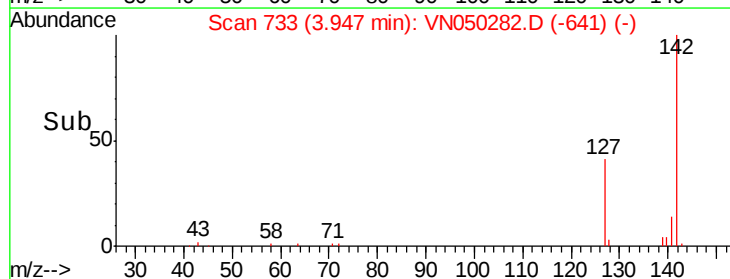
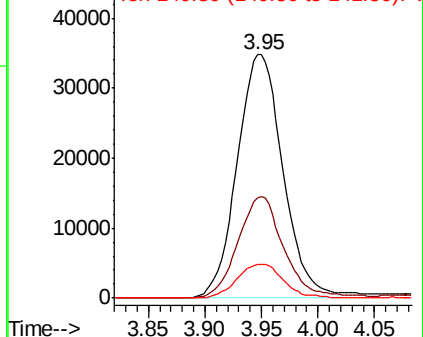
141 14.1 11.6 17.4

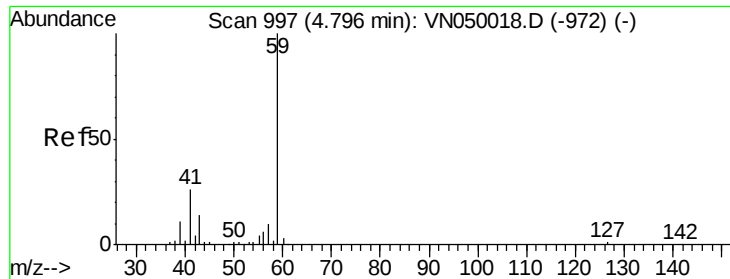


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



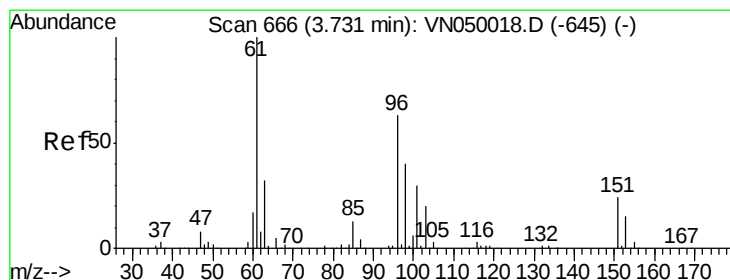
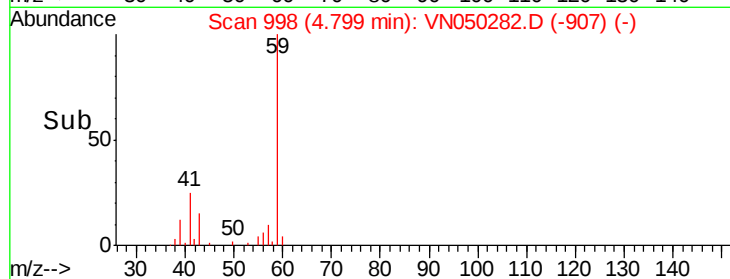
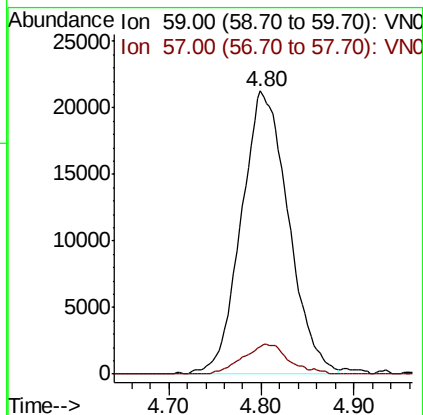
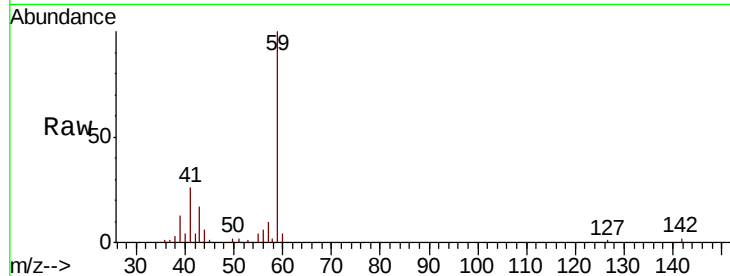


#11

Tert butyl alcohol
 Concen: 125.00 ug/l
 RT: 4.80 min Scan# 998
 Delta R.T. -0.01 min
 Lab File: VN050282.D
 Acq: 2 Aug 2018 23:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0802WBSD02

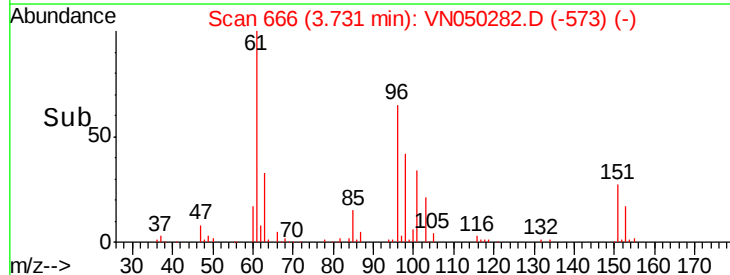
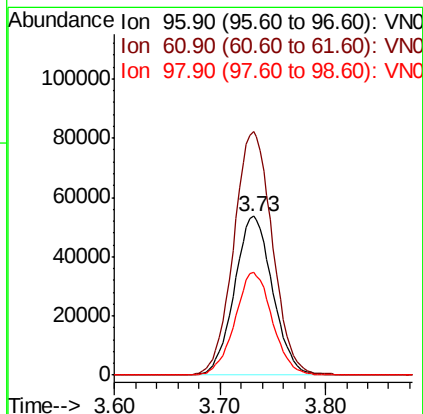
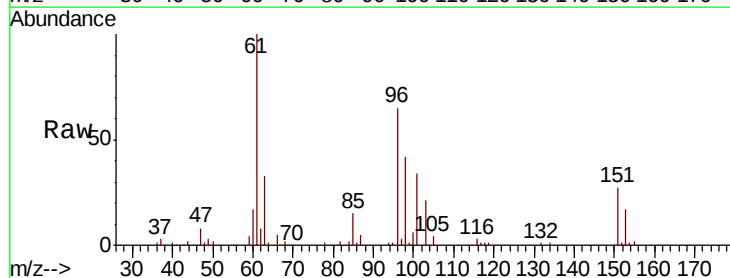
Tot Ion: 59 Resp: 75083
 Ion Ratio Lower Upper
 59 100
 57 10.4 8.5 12.7

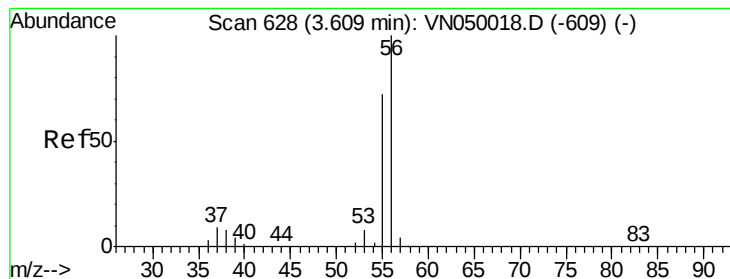


#12

1,1-Dichloroethene
 Concen: 19.99 ug/l
 RT: 3.73 min Scan# 666
 Delta R.T. 0.00 min
 Lab File: VN050282.D
 Acq: 2 Aug 2018 23:39

Tgt Ion: 96 Resp: 134798
 Ion Ratio Lower Upper
 96 100
 61 153.3 124.4 186.6
 98 64.5 48.3 72.5





#13

Acrolein

Concen: 167.69 ug/l

RT: 3.61 min Scan# 629

Delta R.T. 0.00 min

Lab File: VN050282.D

Acq: 2 Aug 2018 23:39

Instrument :

MSVOA_N

ClientSampleId :

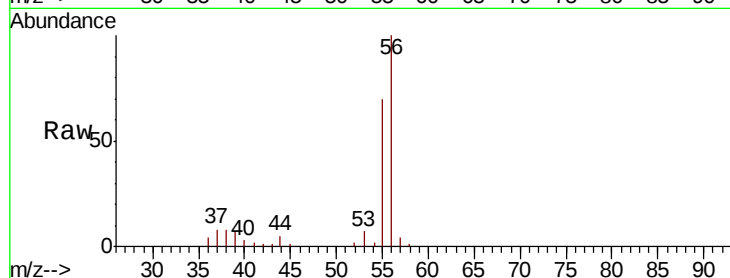
VN0802WBSD02

Tot Ion: 56 Resp: 80929

Ion Ratio Lower Upper

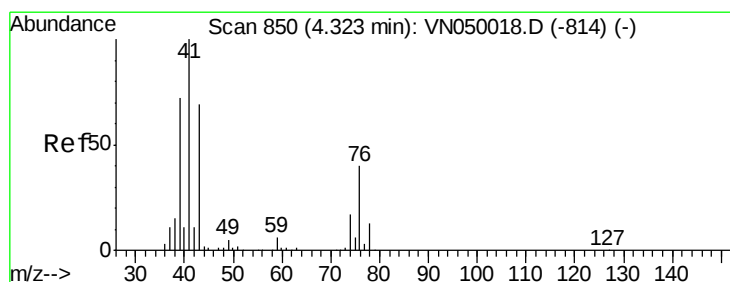
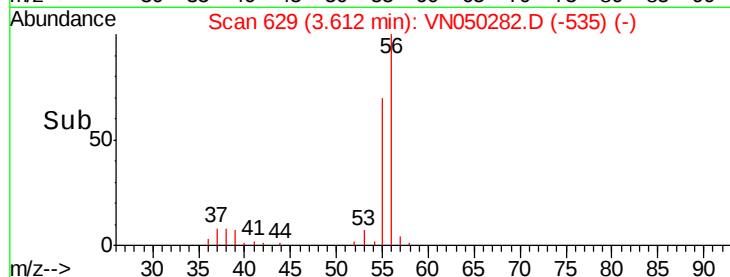
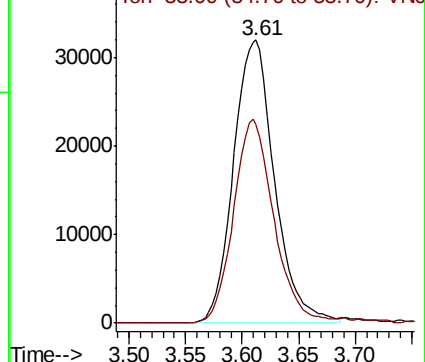
56 100

55 70.5 55.8 83.6



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 19.95 ug/l

RT: 4.32 min Scan# 850

Delta R.T. 0.00 min

Lab File: VN050282.D

Acq: 2 Aug 2018 23:39

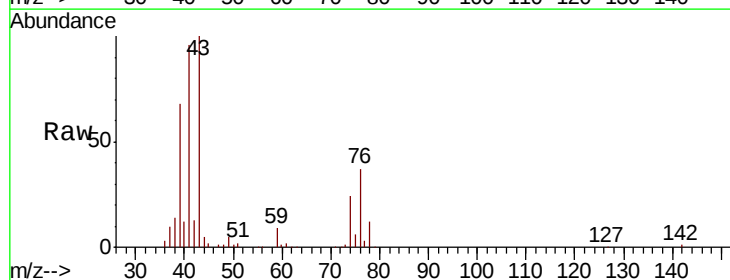
Tgt Ion: 41 Resp: 208596

Ion Ratio Lower Upper

41 100

39 66.3 54.2 81.4

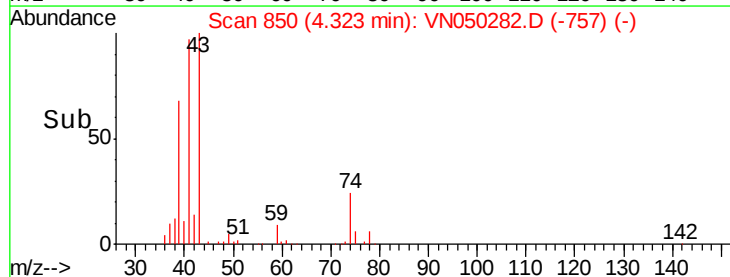
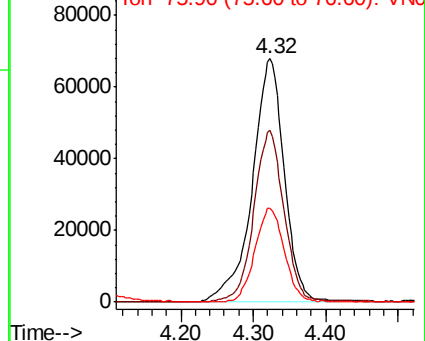
76 34.7 29.0 43.6

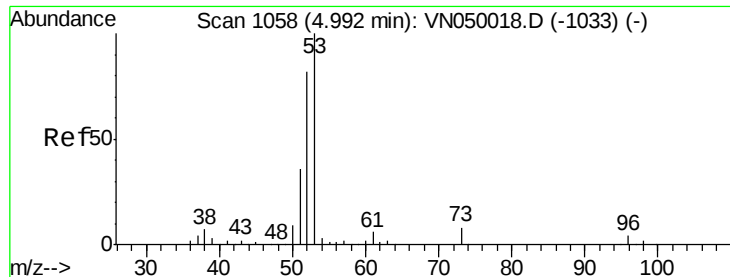


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 115.51 ug/l

RT: 5.00 min Scan# 1060

Delta R.T. 0.00 min

Lab File: VN050282.D

Acq: 2 Aug 2018 23:39

Instrument :

MSVOA_N

ClientSampleId :

VN0802WBSD02

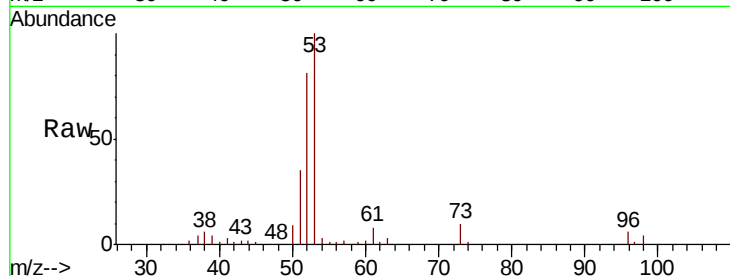
Tot Ion: 53 Resp: 302704

Ion Ratio Lower Upper

53 100

52 80.7 66.2 99.2

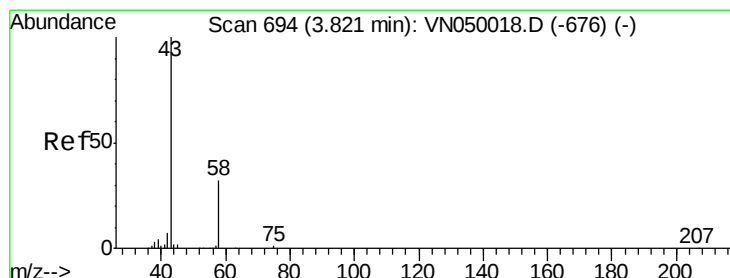
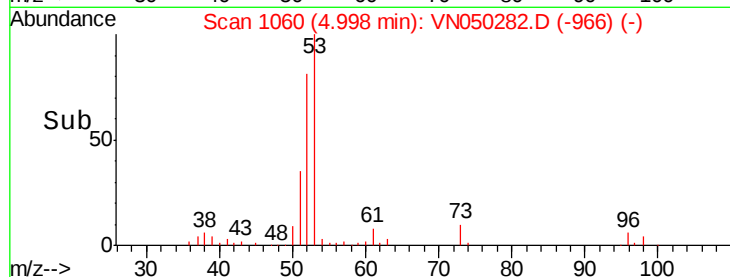
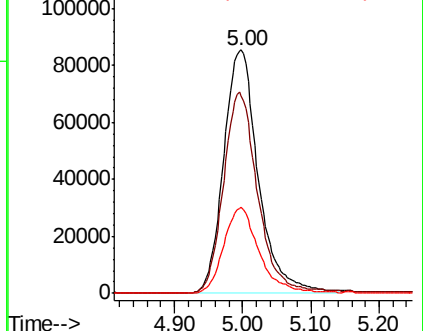
51 36.1 29.3 43.9



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: 116.72 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN050282.D

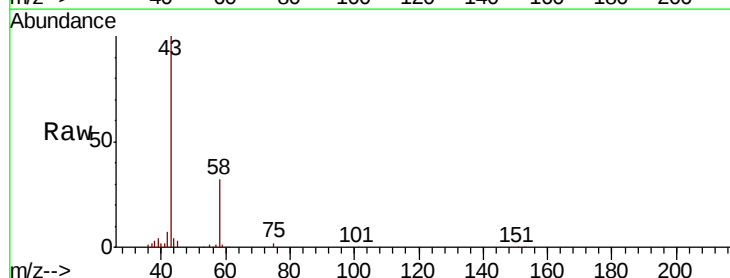
Acq: 2 Aug 2018 23:39

Tgt Ion: 43 Resp: 228904

Ion Ratio Lower Upper

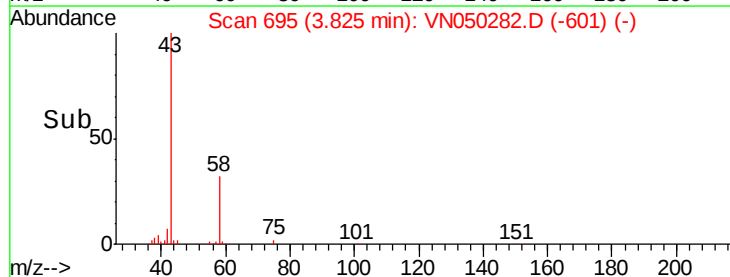
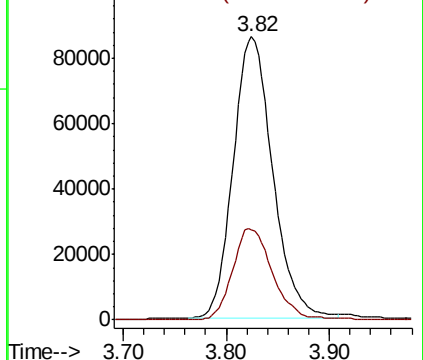
43 100

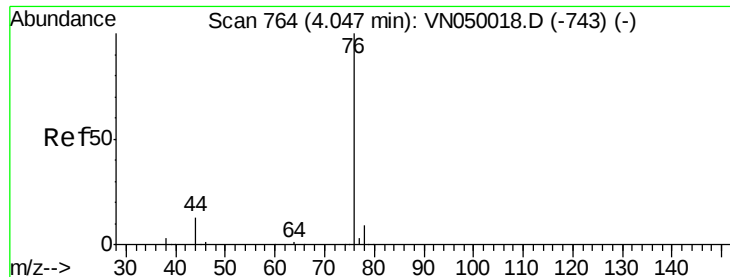
58 32.0 25.8 38.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 17.02 ug/l

RT: 4.05 min Scan# 764

Delta R.T. -0.00 min

Lab File: VN050282.D

Acq: 2 Aug 2018 23:39

Instrument :

MSVOA_N

ClientSampleId :

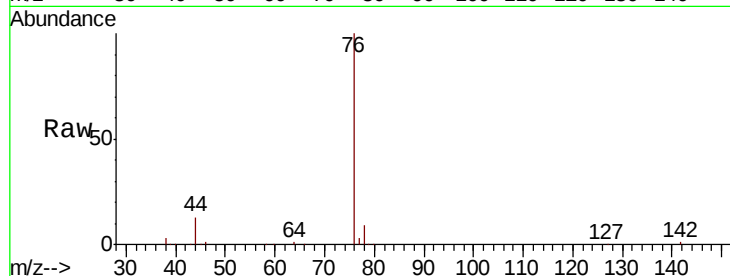
VN0802WBSD02

Tot Ion: 76 Resp: 351544

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.05

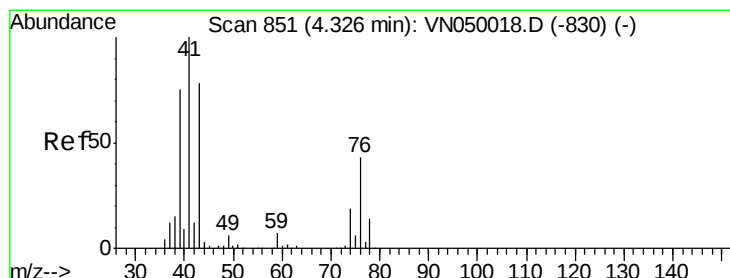
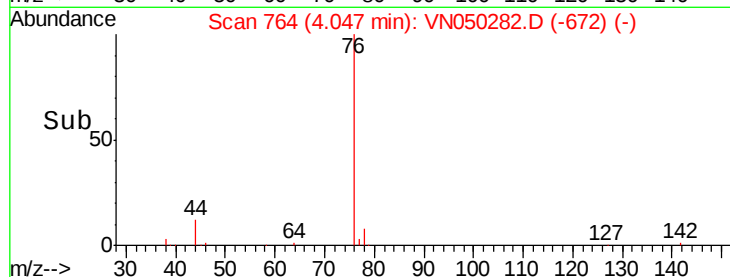
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 29.42 ug/l

RT: 4.33 min Scan# 853

Delta R.T. 0.00 min

Lab File: VN050282.D

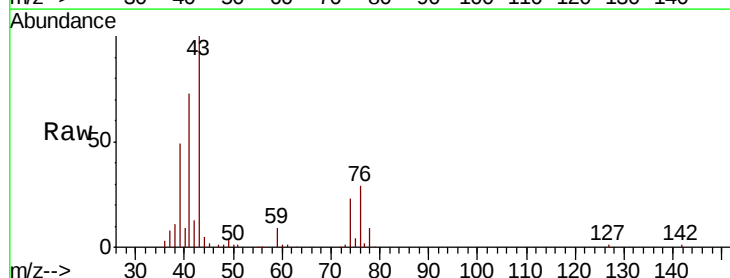
Acq: 2 Aug 2018 23:39

Tgt Ion: 43 Resp: 225032

Ion Ratio Lower Upper

43 100

74 23.6 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.33

80000

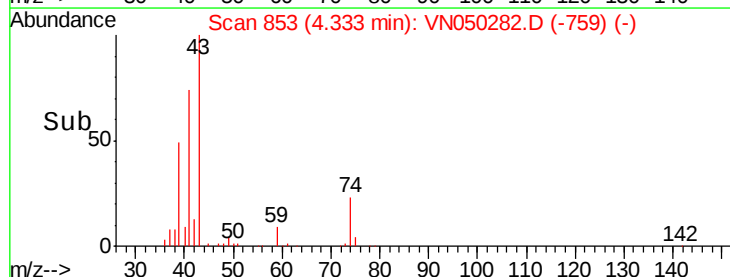
60000

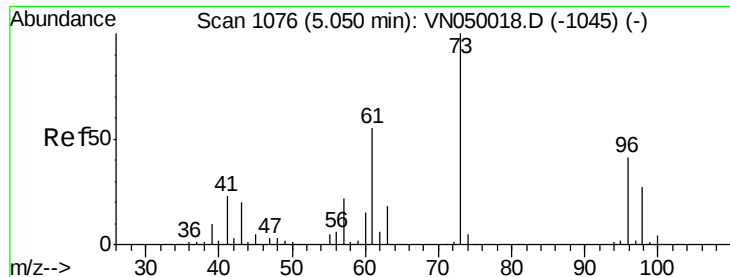
40000

20000

0

Time-->

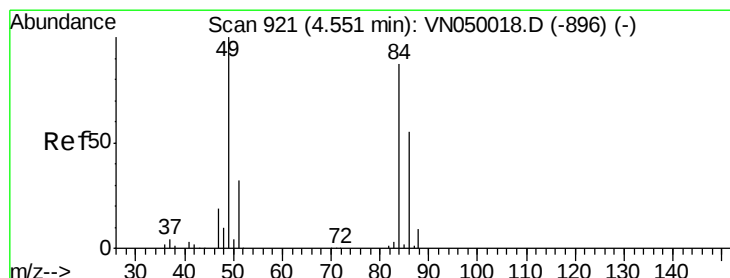
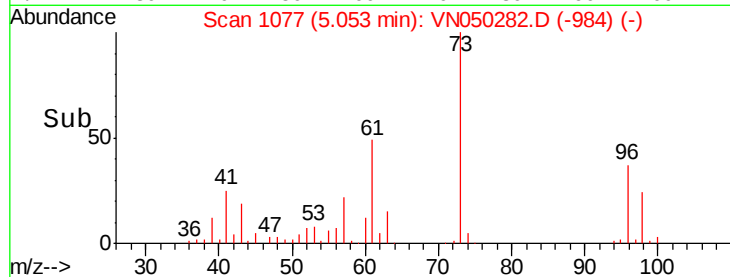
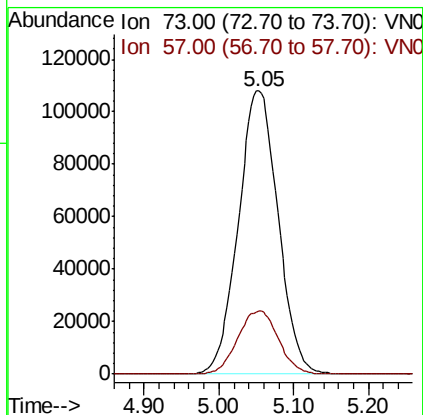
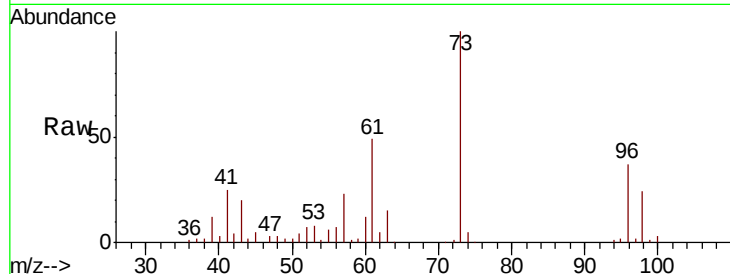




#19
Methyl tert-butyl Ether
Concen: 22.20 ug/l
RT: 5.05 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VN050282.D
Acq: 2 Aug 2018 23:39

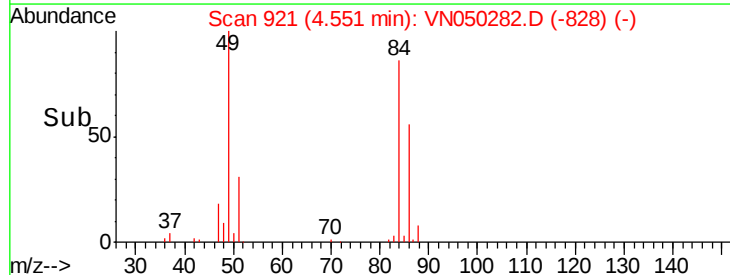
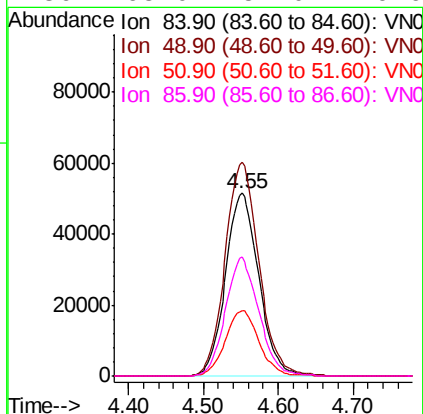
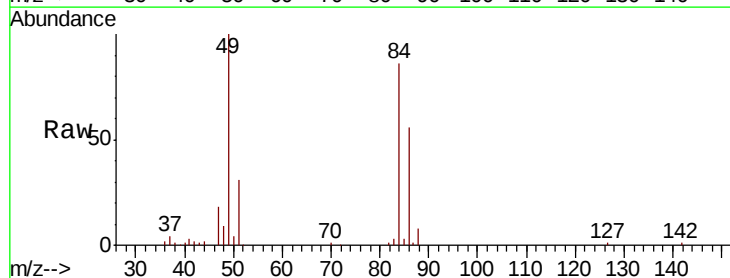
Instrument :
MSVOA_N
ClientSampleID :
VN0802WBSD02

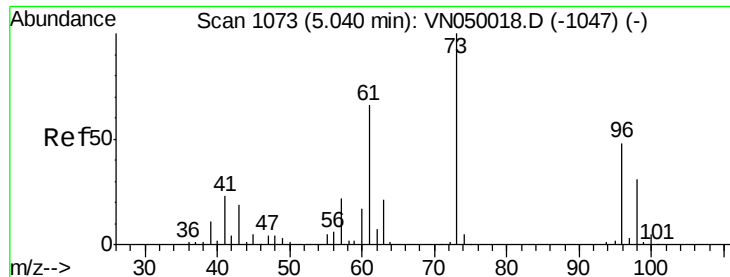
Tot Ion: 73 Resp: 398933
Ion Ratio Lower Upper
73 100
57 22.5 18.0 27.0



#20
Methylene Chloride
Concen: 21.26 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN050282.D
Acq: 2 Aug 2018 23:39

Tgt Ion: 84 Resp: 159116
Ion Ratio Lower Upper
84 100
49 116.9 94.8 142.2
51 35.9 28.3 42.5
86 65.0 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 19.61 ug/l

RT: 5.04 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VN050282.D

Acq: 2 Aug 2018 23:39

Instrument :

MSVOA_N

ClientSampleId :

VN0802WBSD02

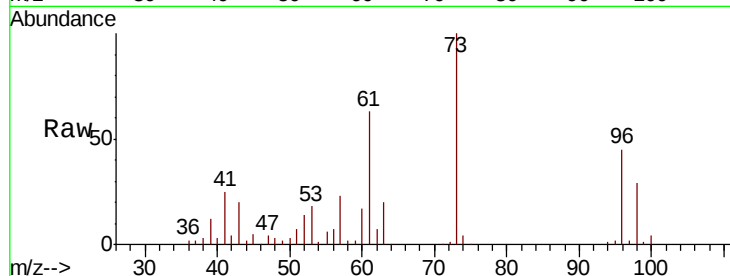
Tot Ion: 96 Resp: 140159

Ion Ratio Lower Upper

96 100

61 140.4 110.7 166.1

98 64.6 51.6 77.4

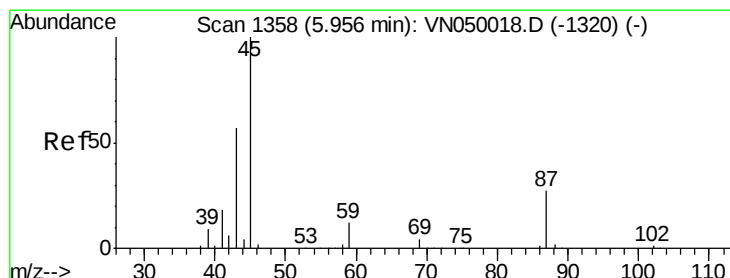
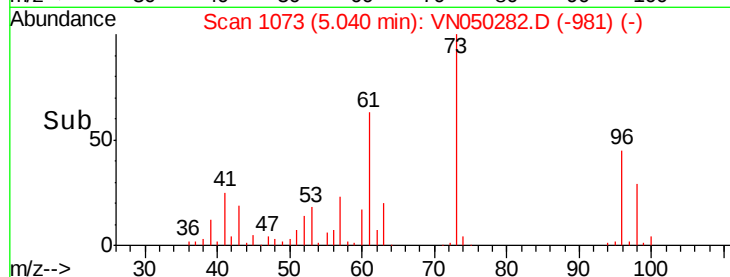
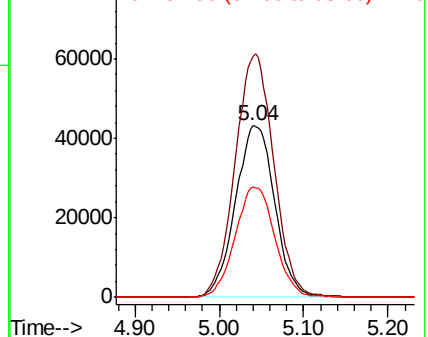


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 22.58 ug/l

RT: 5.96 min Scan# 1358

Delta R.T. -0.00 min

Lab File: VN050282.D

Acq: 2 Aug 2018 23:39

Tgt Ion: 45 Resp: 468131

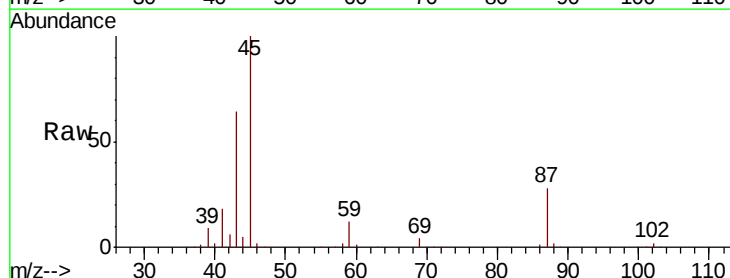
Ion Ratio Lower Upper

45 100

43 62.8 45.7 68.5

87 27.4 22.7 34.1

59 11.9 9.5 14.3



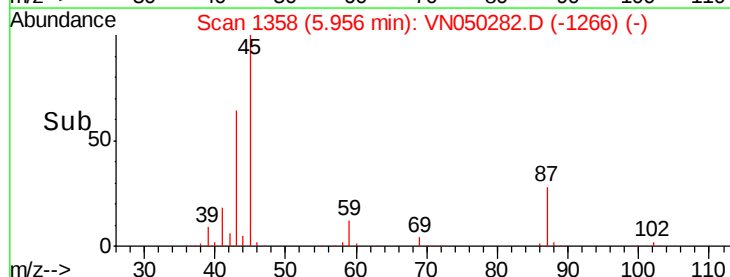
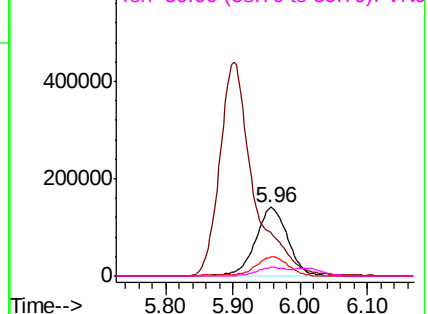
Abundance

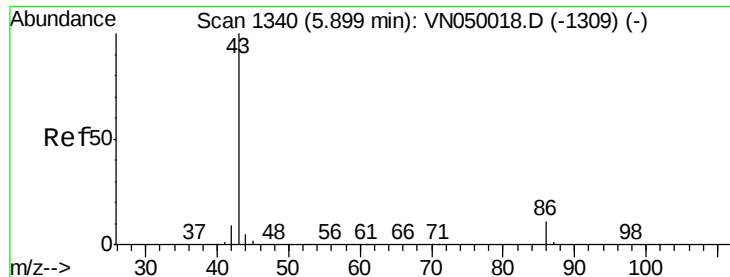
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0

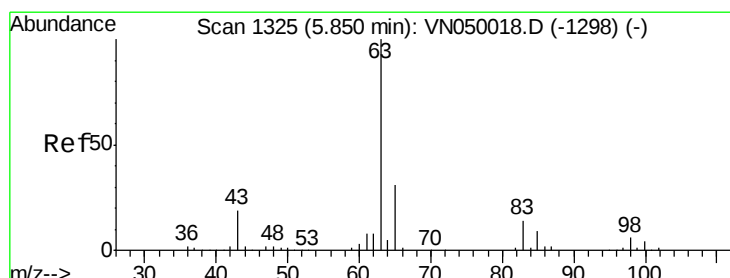
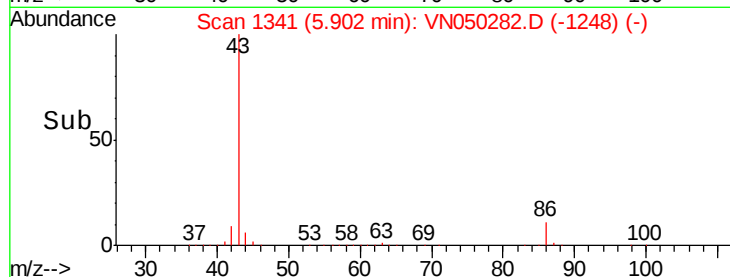
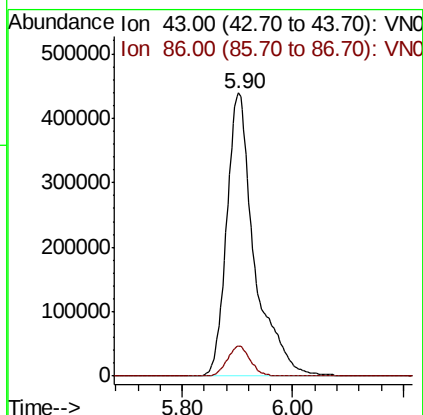
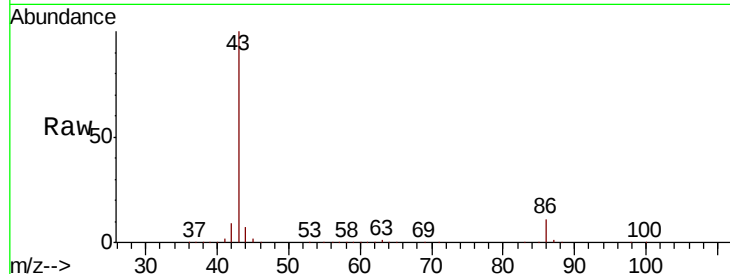




#23
 Vinyl Acetate
 Concen: 104.22 ug/l
 RT: 5.90 min Scan# 1341
 Delta R.T. 0.00 min
 Lab File: VN050282.D
 Acq: 2 Aug 2018 23:39

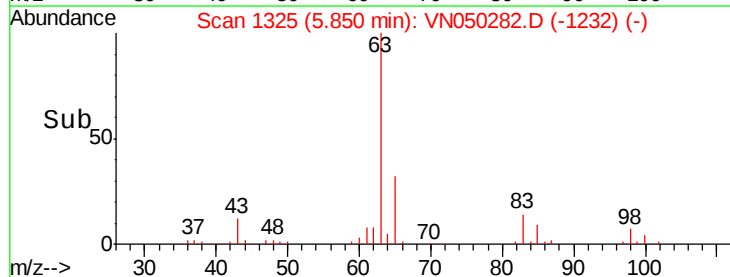
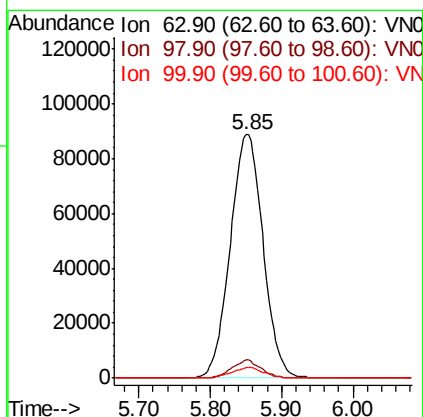
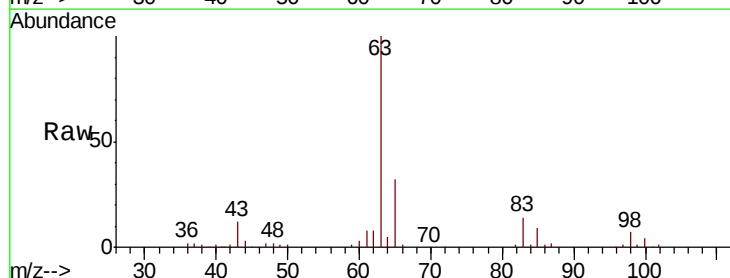
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0802WBSD02

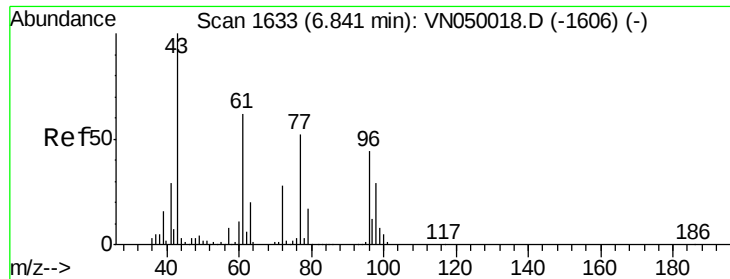
Tot Ion: 43 Resp: 1527129
 Ion Ratio Lower Upper
 43 100
 86 10.7 8.6 13.0



#24
 1,1-Dichloroethane
 Concen: 21.00 ug/l
 RT: 5.85 min Scan# 1325
 Delta R.T. 0.00 min
 Lab File: VN050282.D
 Acq: 2 Aug 2018 23:39

Tgt Ion: 63 Resp: 284695
 Ion Ratio Lower Upper
 63 100
 98 7.4 3.3 9.8
 100 4.2 2.1 6.3

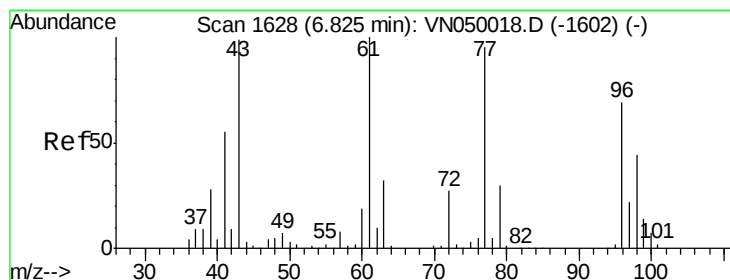
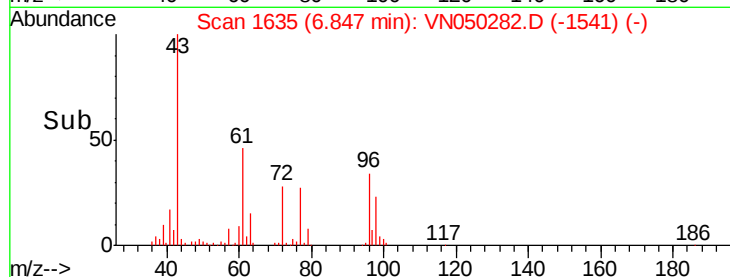
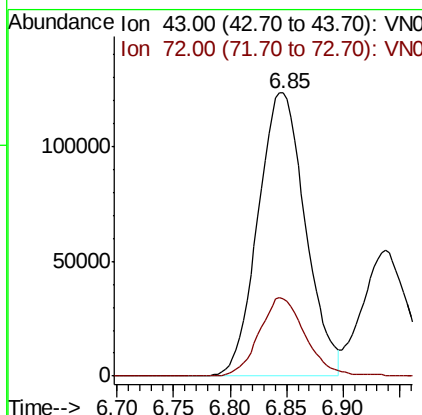
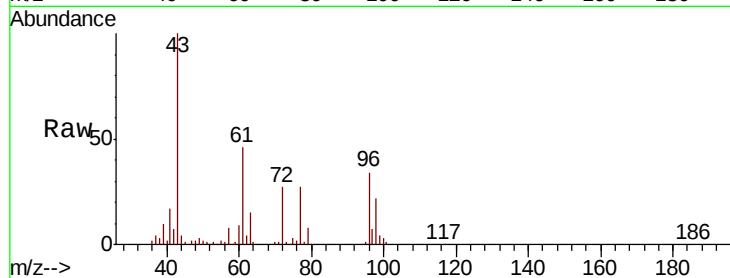




#25
2-Butanone
Concen: 114.85 ug/l
RT: 6.85 min Scan# 1635
Delta R.T. 0.00 min
Lab File: VN050282.D
Acq: 2 Aug 2018 23:39

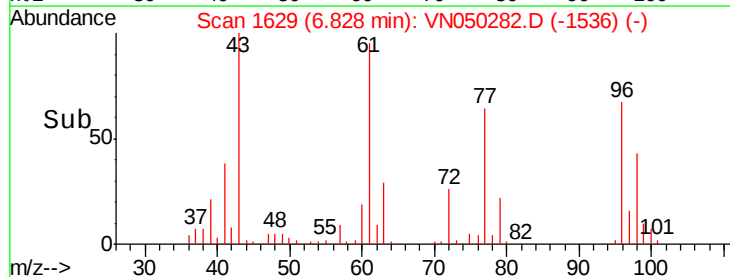
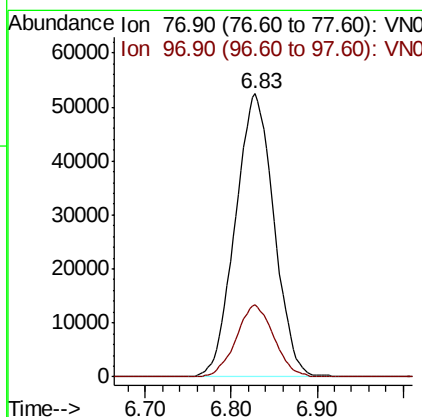
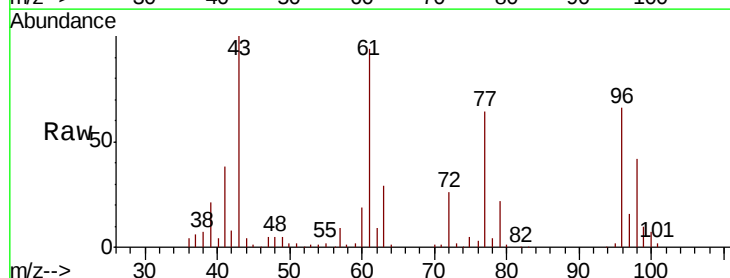
Instrument :
MSVOA_N
ClientSampleId :
VN0802WBSD02

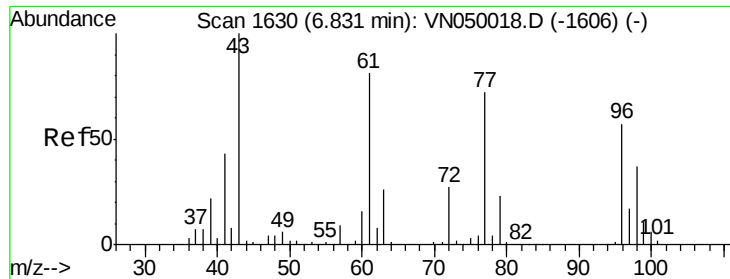
Tot Ion: 43 Resp: 357647
Ion Ratio Lower Upper
43 100
72 27.5 21.5 32.3



#26
2,2-Dichloropropane
Concen: 15.89 ug/l
RT: 6.83 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VN050282.D
Acq: 2 Aug 2018 23:39

Tgt Ion: 77 Resp: 163943
Ion Ratio Lower Upper
77 100
97 24.7 11.8 35.3

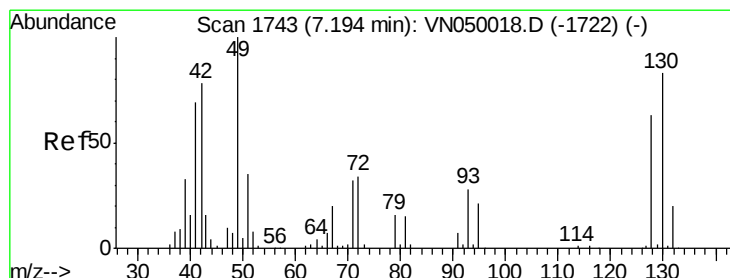
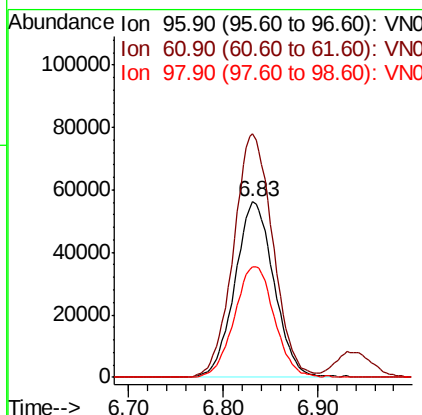
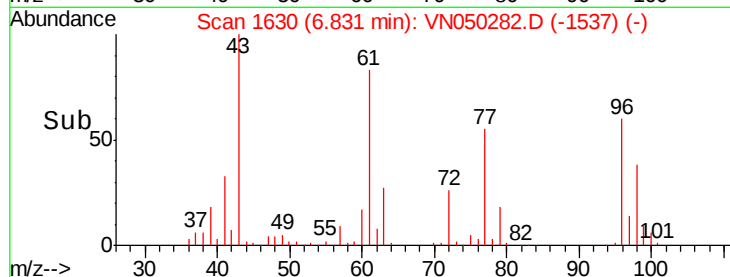
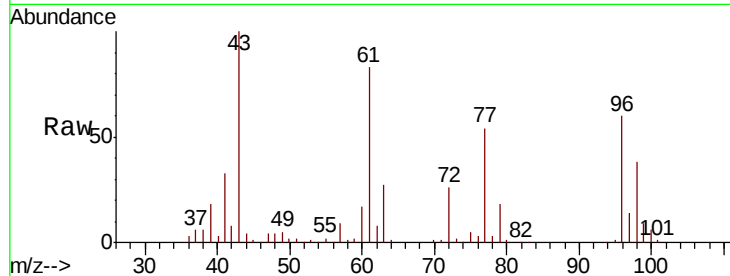




#27
 cis-1,2-Dichloroethene
 Concen: 20.97 ug/l
 RT: 6.83 min Scan# 1630
 Delta R.T. 0.00 min
 Lab File: VN050282.D
 Acq: 2 Aug 2018 23:39

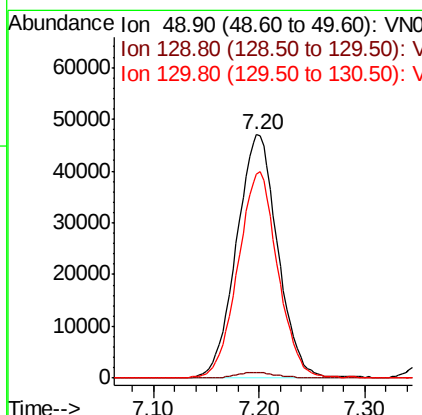
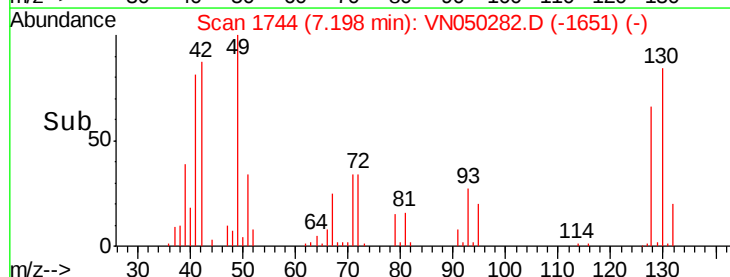
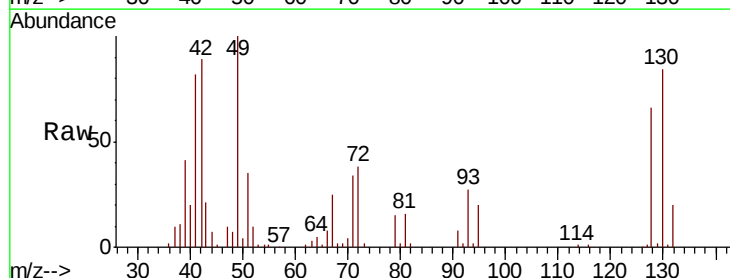
Instrument :
 MSVOA_N
 ClientSampled :
 VN0802WBSD02

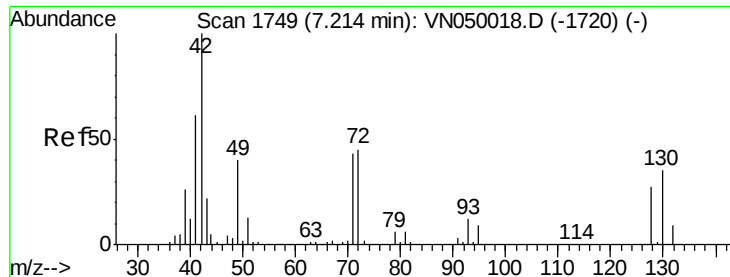
Tot Ion: 96 Resp: 161284
 Ion Ratio Lower Upper
 96 100
 61 139.7 0.0 285.0
 98 64.3 0.0 129.2



#28
 Bromochloromethane
 Concen: 20.58 ug/l
 RT: 7.20 min Scan# 1744
 Delta R.T. 0.00 min
 Lab File: VN050282.D
 Acq: 2 Aug 2018 23:39

Tgt Ion: 49 Resp: 127274
 Ion Ratio Lower Upper
 49 100
 129 2.2 0.0 4.0
 130 82.3 66.3 99.5

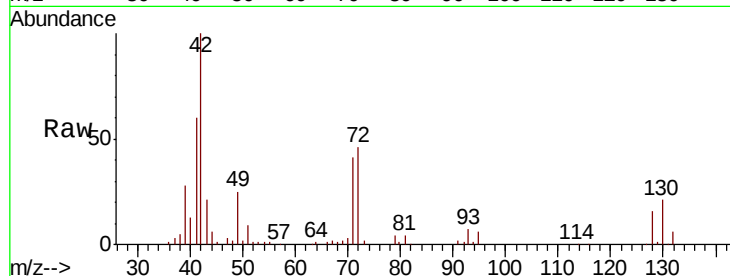




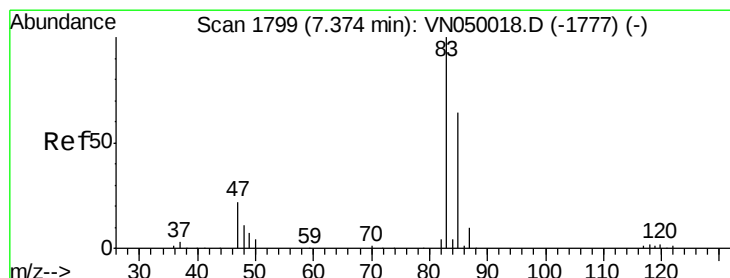
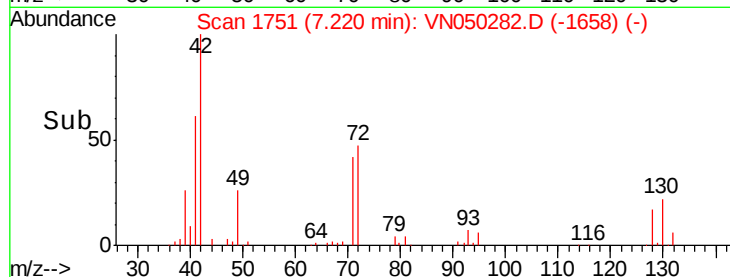
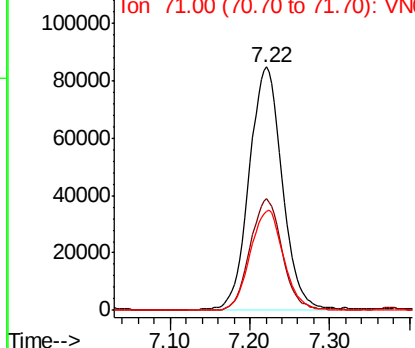
#29
Tetrahydrofuran
Concen: 119.21 ug/l
RT: 7.22 min Scan# 1751
Delta R.T. 0.00 min
Lab File: VN050282.D
Acq: 2 Aug 2018 23:39

Instrument :
MSVOA_N
ClientSampleId :
VN0802WBSD02

Tot Ion: 42 Resp: 239864
Ion Ratio Lower Upper
42 100
72 44.3 35.9 53.9
71 41.3 33.7 50.5

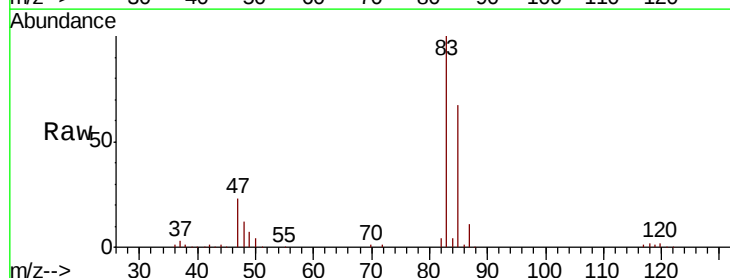


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

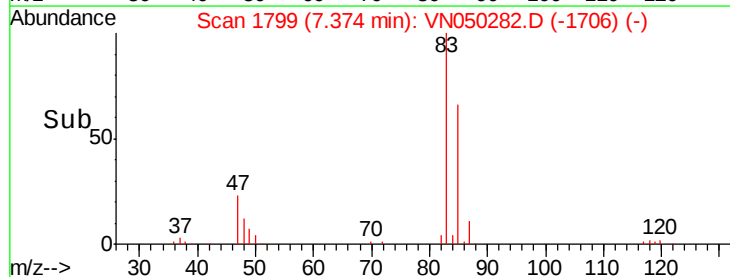
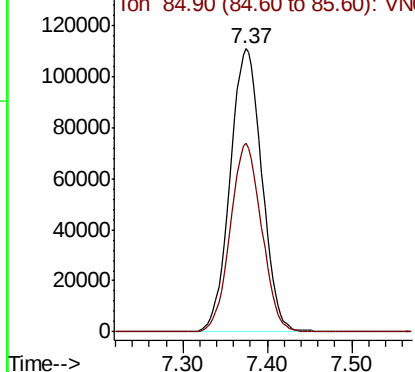


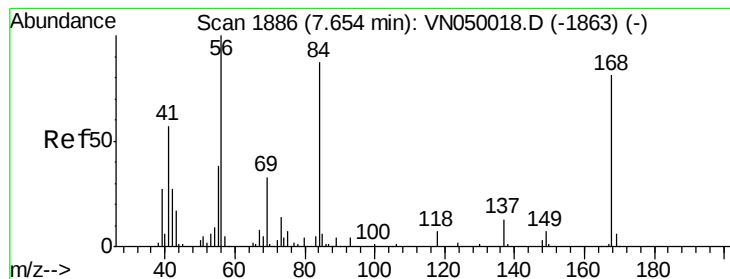
#30
Chloroform
Concen: 20.97 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN050282.D
Acq: 2 Aug 2018 23:39

Tgt Ion: 83 Resp: 290170
Ion Ratio Lower Upper
83 100
85 66.6 52.5 78.7



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





#31

Cyclohexane

Concen: 19.17 ug/l

RT: 7.66 min Scan# 1887

Delta R.T. 0.00 min

Lab File: VN050282.D

Acq: 2 Aug 2018 23:39

Instrument :

MSVOA_N

ClientSampleId :

VN0802WBSD02

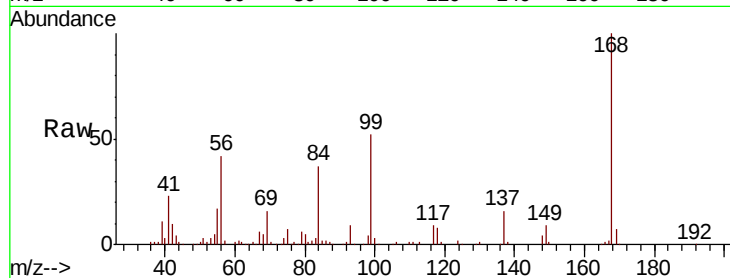
Tot Ion: 56 Resp: 216014

Ion Ratio Lower Upper

56 100

69 37.9 26.2 39.4

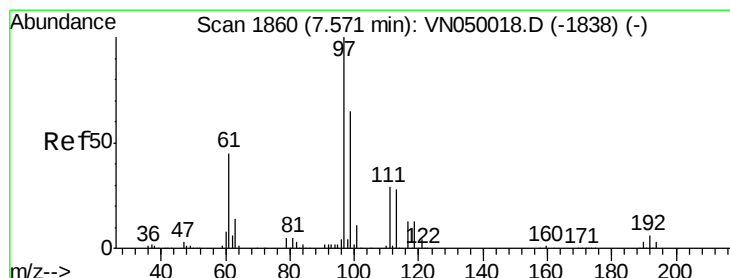
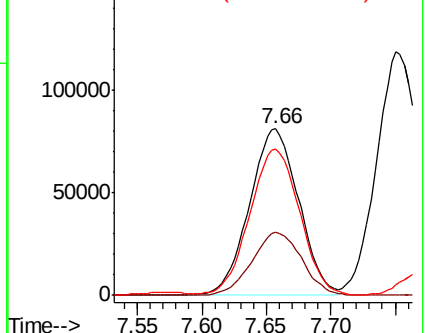
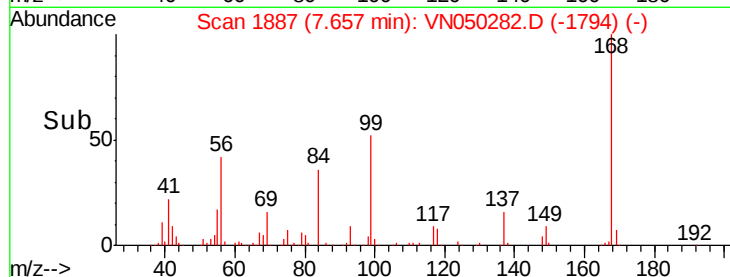
84 86.9 67.4 101.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 20.71 ug/l

RT: 7.57 min Scan# 1860

Delta R.T. -0.00 min

Lab File: VN050282.D

Acq: 2 Aug 2018 23:39

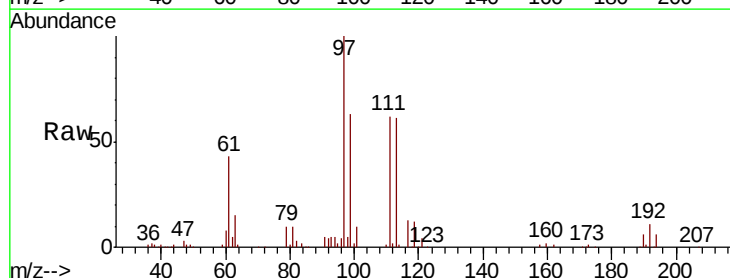
Tgt Ion: 97 Resp: 245057

Ion Ratio Lower Upper

97 100

99 65.3 51.4 77.0

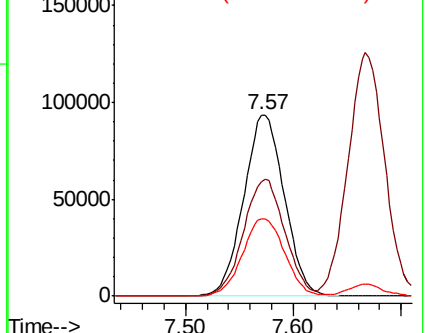
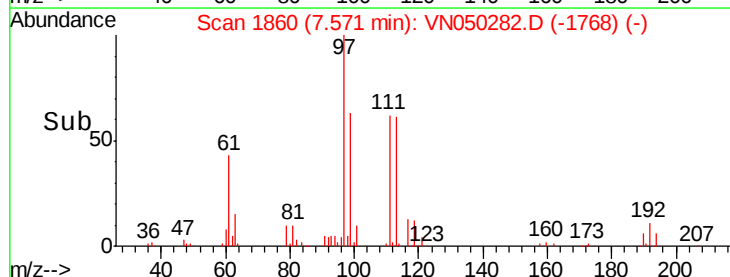
61 44.4 35.4 53.0

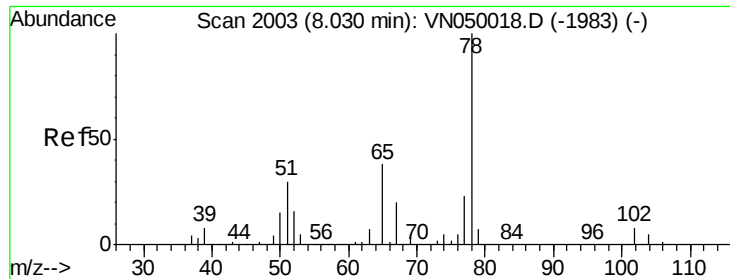


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

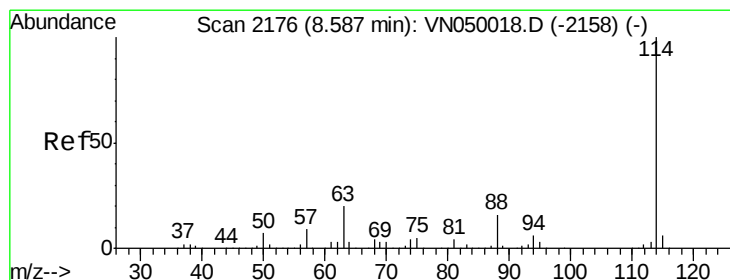
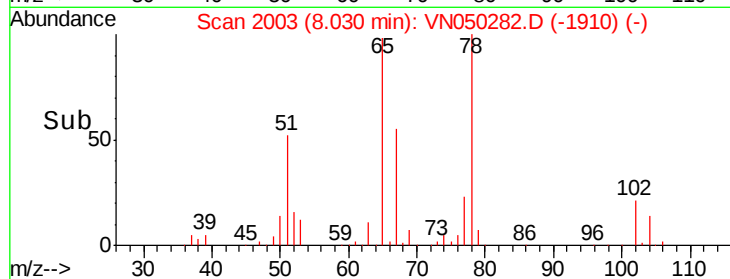
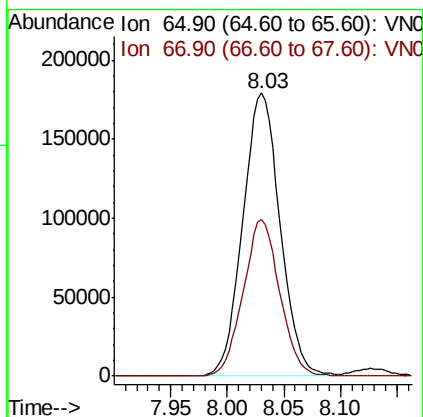
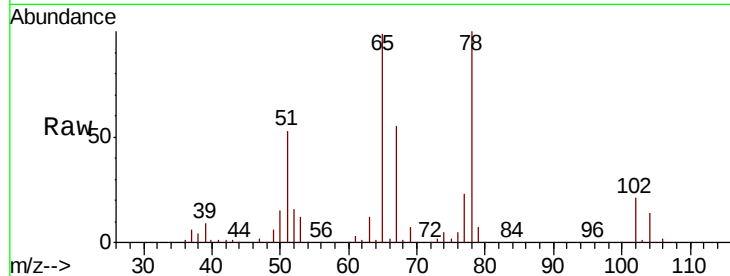




#33
 1,2-Dichloroethane-d4
 Concen: 50.41 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050282.D
 Acq: 2 Aug 2018 23:39

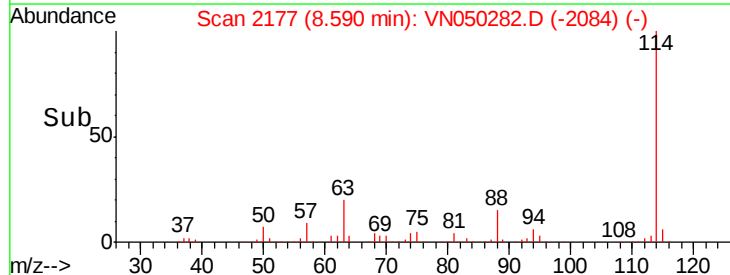
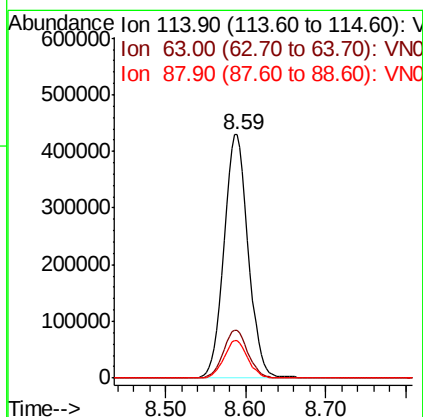
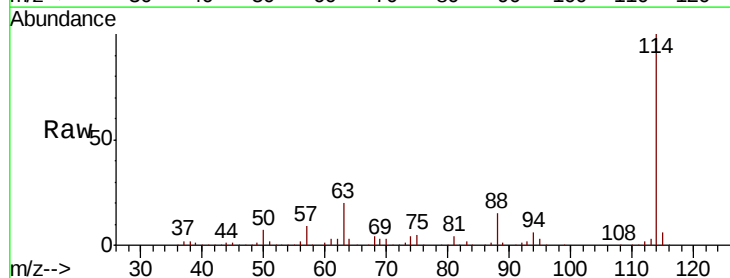
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0802WBSD02

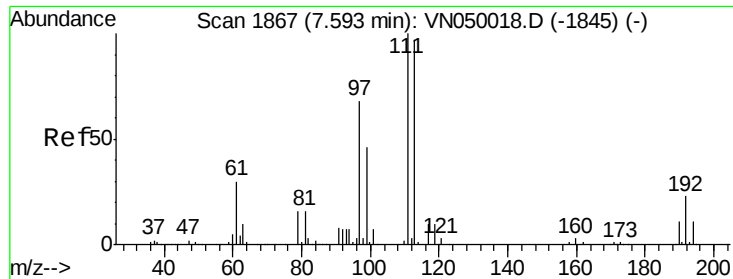
Tot Ion: 65 Resp: 411521
 Ion Ratio Lower Upper
 65 100
 67 54.2 0.0 108.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050282.D
 Acq: 2 Aug 2018 23:39

Tgt Ion: 114 Resp: 893864
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 40.0
 88 15.4 0.0 31.2

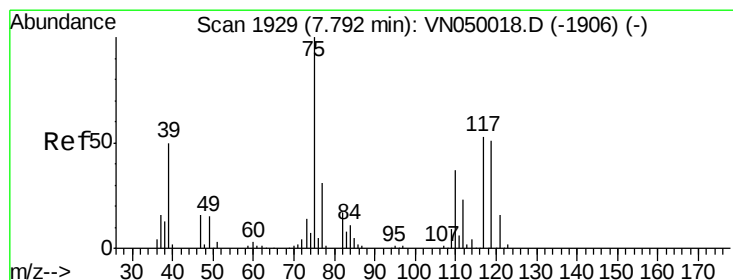
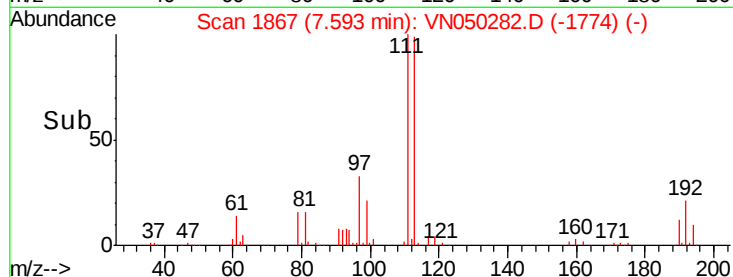
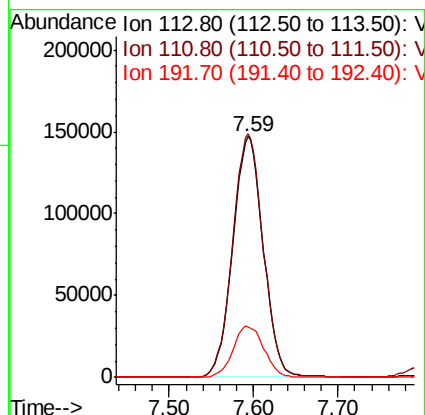
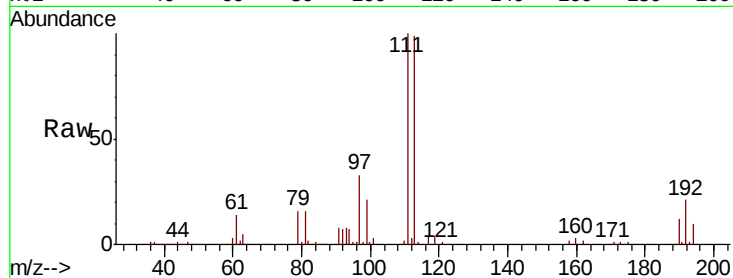




#35
 Dibromofluoromethane
 Concen: 50.70 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050282.D
 Acq: 2 Aug 2018 23:39

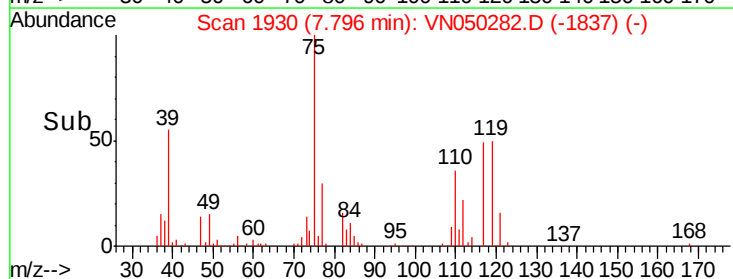
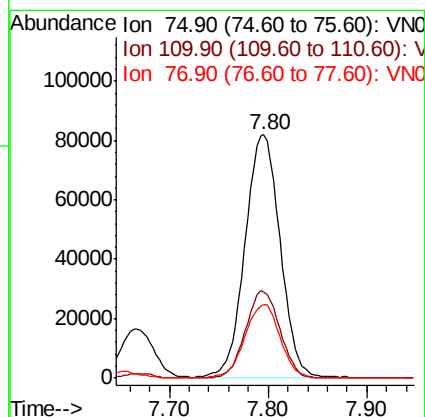
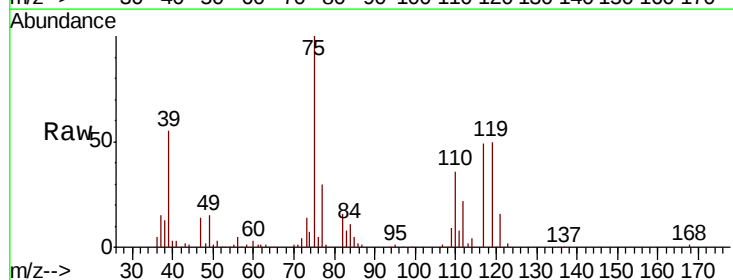
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0802WBSD02

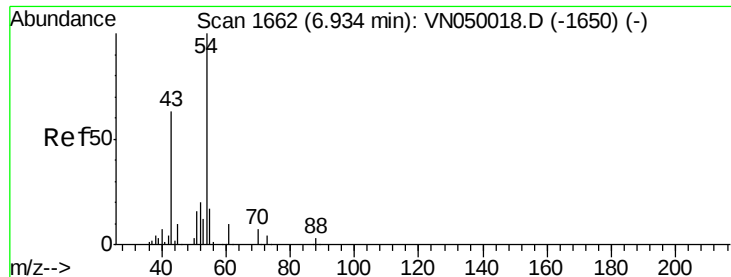
Tot Ion:113 Resp: 370019
 Ion Ratio Lower Upper
 113 100
 111 101.1 80.7 121.1
 192 21.5 17.8 26.6



#36
 1,1-Dichloropropene
 Concen: 19.86 ug/l
 RT: 7.80 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VN050282.D
 Acq: 2 Aug 2018 23:39

Tgt Ion: 75 Resp: 200001
 Ion Ratio Lower Upper
 75 100
 110 35.3 18.4 55.2
 77 30.7 25.3 37.9

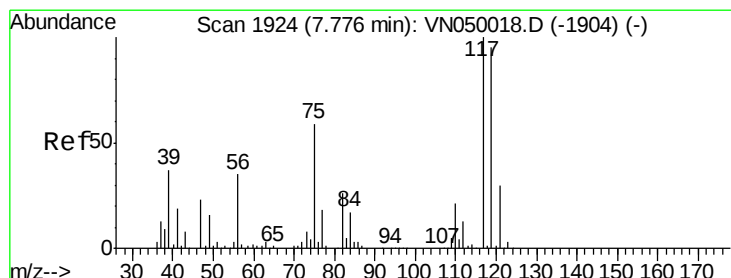
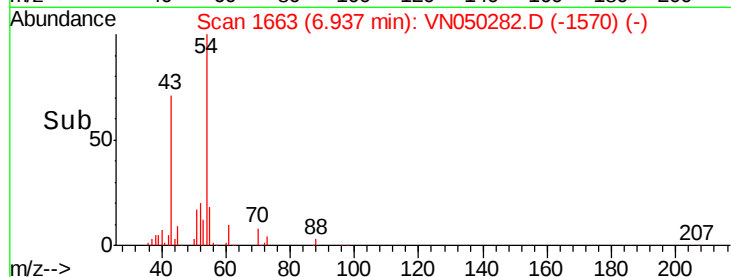
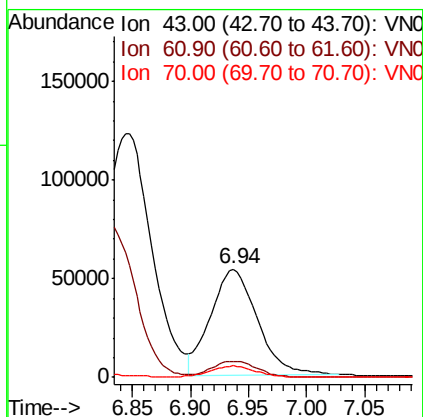
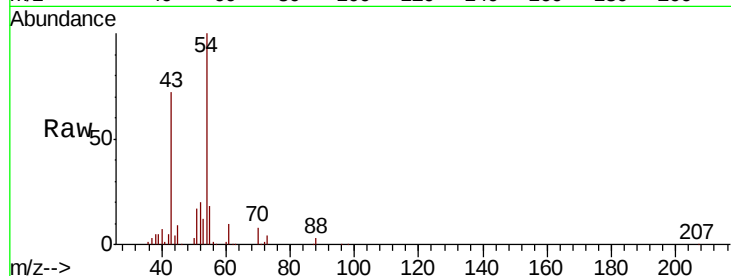




#37
Ethyl Acetate
Concen: 21.48 ug/l
RT: 6.94 min Scan# 1663
Delta R.T. 0.00 min
Lab File: VN050282.D
Acq: 2 Aug 2018 23:39

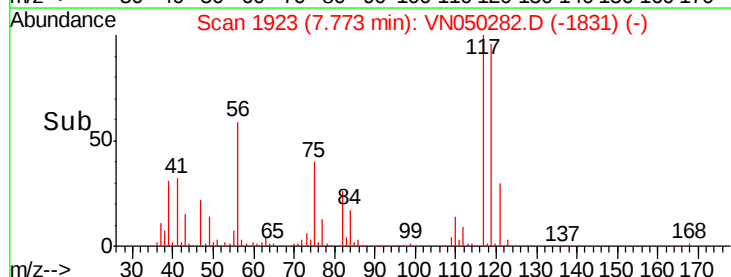
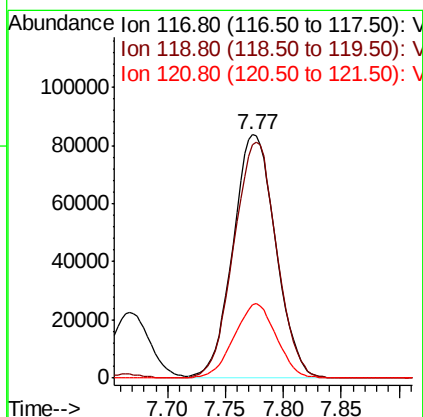
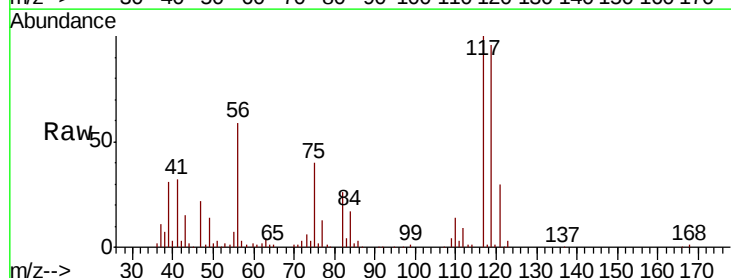
Instrument :
MSVOA_N
ClientSampleID :
VN0802WBSD02

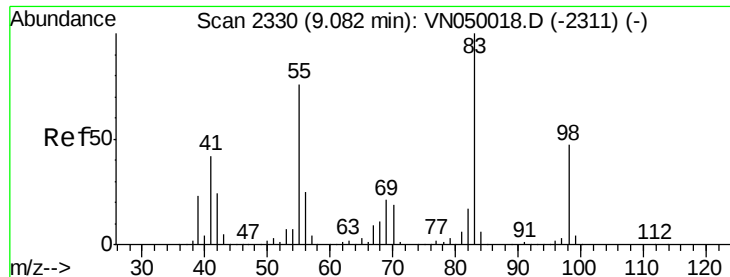
Tot Ion: 43 Resp: 150851
Ion Ratio Lower Upper
43 100
61 14.1 11.8 17.8
70 10.4 8.4 12.6



#38
Carbon Tetrachloride
Concen: 20.05 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN050282.D
Acq: 2 Aug 2018 23:39

Tgt Ion: 117 Resp: 214216
Ion Ratio Lower Upper
117 100
119 96.0 77.4 116.0
121 30.1 23.9 35.9

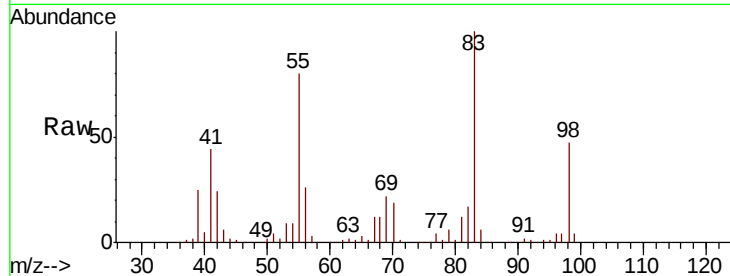




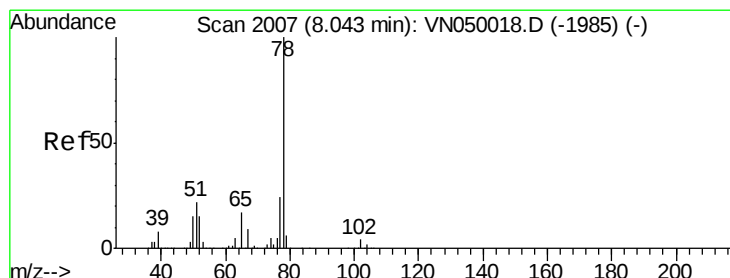
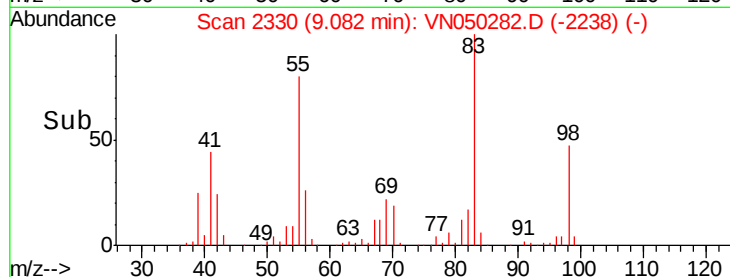
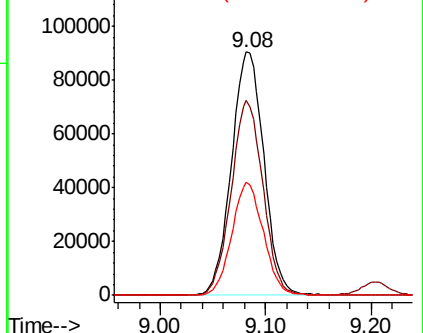
#39
Methvlcvclohexane
Concen: 18.66 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VN050282.D
Acq: 2 Aug 2018 23:39

Instrument :
MSVOA_N
ClientSampleId :
VN0802WBSD02

Tot Ion	83.00	Resp	193297
Ion	Ratio	Lower	Upper
83	100		
55	79.9	61.8	92.8
98	46.5	36.5	54.7

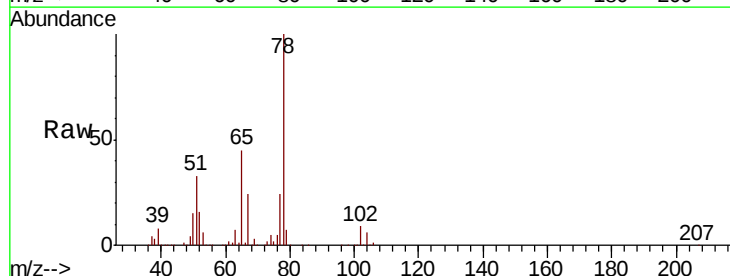


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

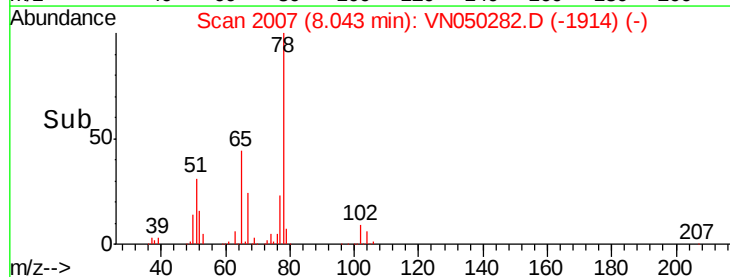
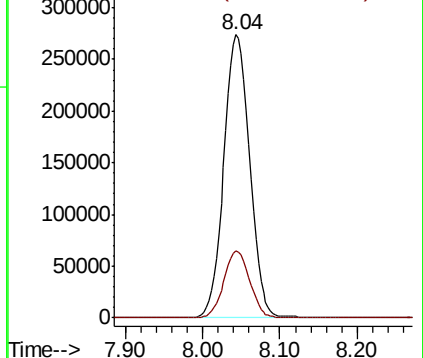


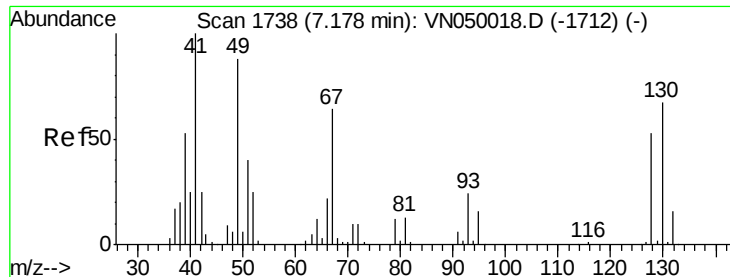
#40
Benzene
Concen: 20.74 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN050282.D
Acq: 2 Aug 2018 23:39

Tgt Ion	78	Resp	635593
Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.7	28.1



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

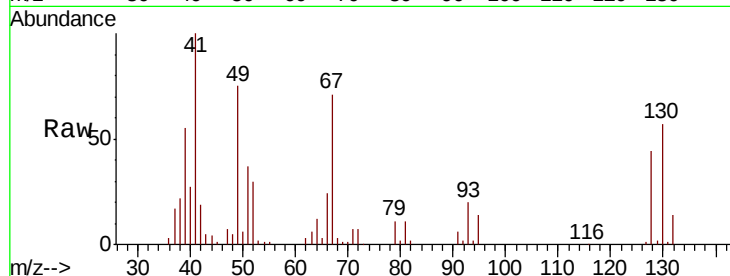




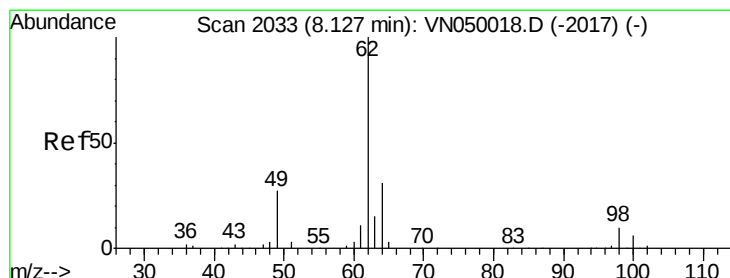
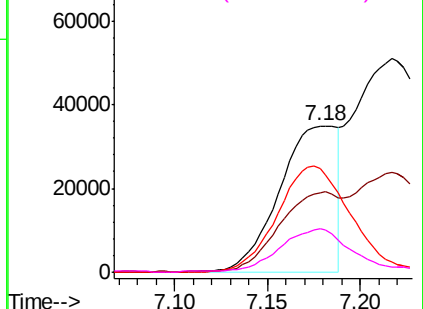
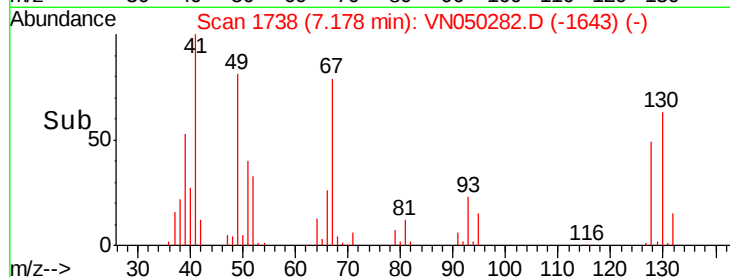
#41
Methacrylonitrile
Concen: 22.40 ug/l
RT: 7.18 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN050282.D
Acq: 2 Aug 2018 23:39

Instrument :
MSVOA_N
ClientSampleId :
VN0802WBSD02

Tot Ion: 41 Resp: 76027
Ion Ratio Lower Upper
41 100
39 59.3 55.8 83.6
67 92.4 84.3 126.5
52 36.3 34.2 51.2

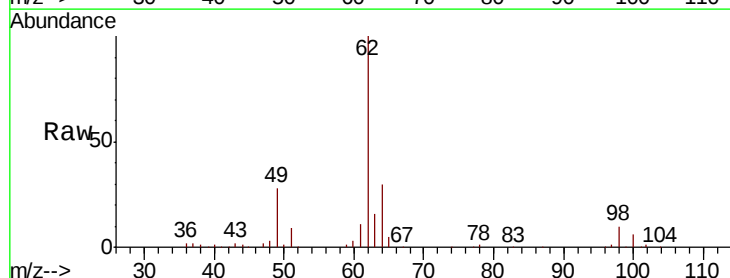


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

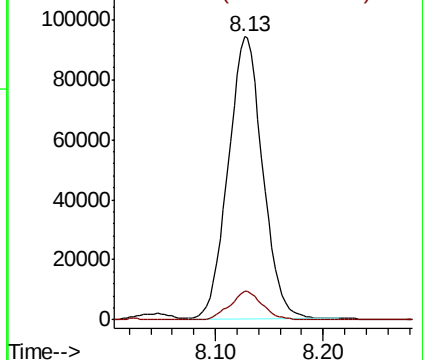
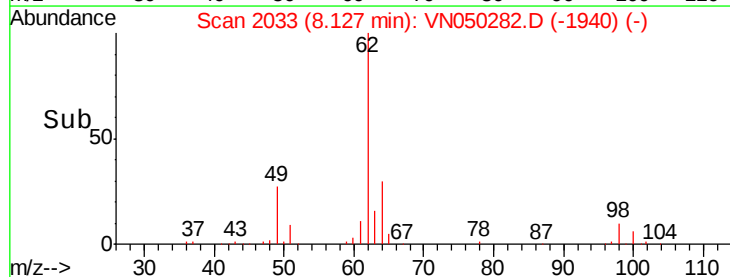


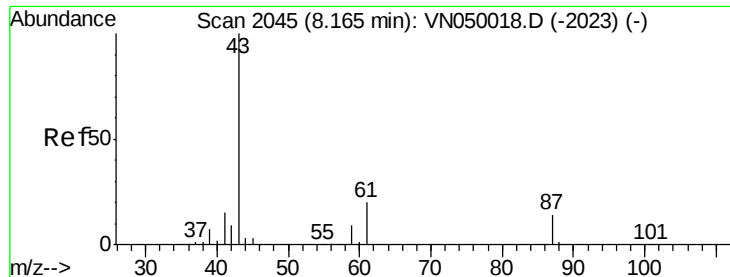
#42
1,2-Dichloroethane
Concen: 20.49 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN050282.D
Acq: 2 Aug 2018 23:39

Tgt Ion: 62 Resp: 209511
Ion Ratio Lower Upper
62 100
98 9.5 0.0 18.8



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





#43

Isopropyl Acetate

Concen: 23.41 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN050282.D

Acq: 2 Aug 2018 23:39

Instrument :

MSVOA_N

ClientSampleId :

VN0802WBSD02

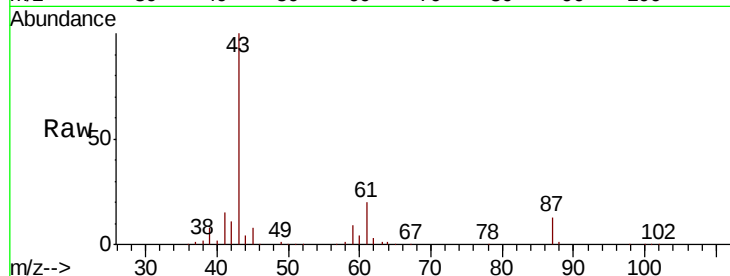
Tot Ion: 43 Resp: 317728

Ion Ratio Lower Upper

43 100

61 24.0 15.8 23.6#

87 11.7 10.3 15.5



Abundance Ion 43.00 (42.70 to 43.70): VN050018.D (-2023) (-)

Ion 61.00 (60.70 to 61.70): VN050018.D (-2023) (-)

Ion 87.00 (86.70 to 87.70): VN050018.D (-2023) (-)

8.17

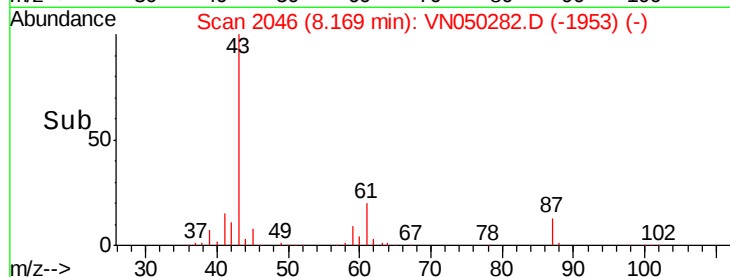
150000

100000

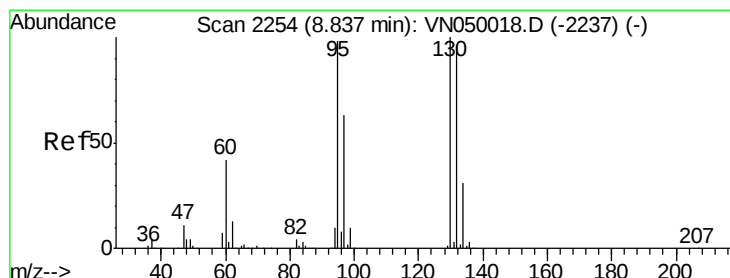
50000

0

Time-->



Time-->



#44

Trichloroethene

Concen: 19.87 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. 0.00 min

Lab File: VN050282.D

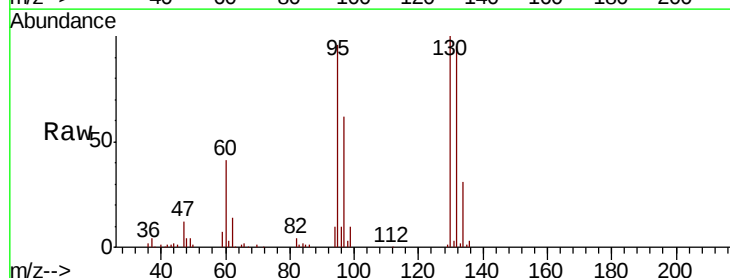
Acq: 2 Aug 2018 23:39

Tgt Ion:130 Resp: 163646

Ion Ratio Lower Upper

130 100

95 95.9 0.0 194.6



Abundance Ion 129.80 (129.50 to 130.50): VN050018.D (-2237) (-)

Ion 94.90 (94.60 to 95.60): VN050018.D (-2237) (-)

8.84

80000

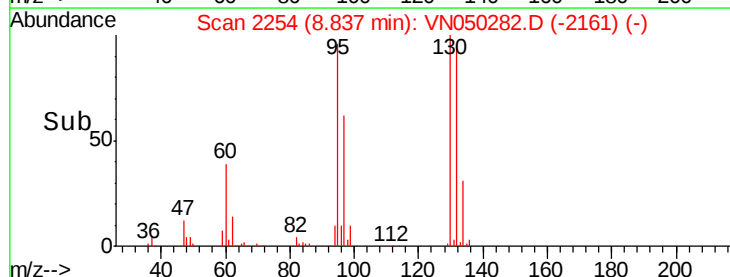
60000

40000

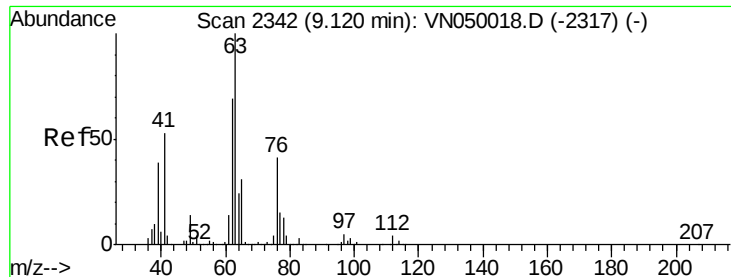
20000

0

Time-->



Time-->



#45

1,2-Dichloropropane

Concen: 20.96 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. 0.00 min

Lab File: VN050282.D

Acq: 2 Aug 2018 23:39

Instrument :

MSVOA_N

ClientSampleId :

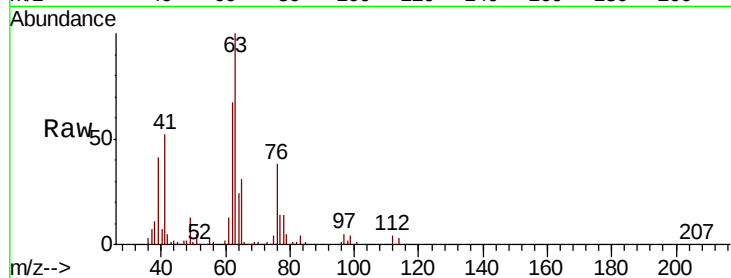
VN0802WBSD02

Tot Ion: 63 Resp: 170129

Ion Ratio Lower Upper

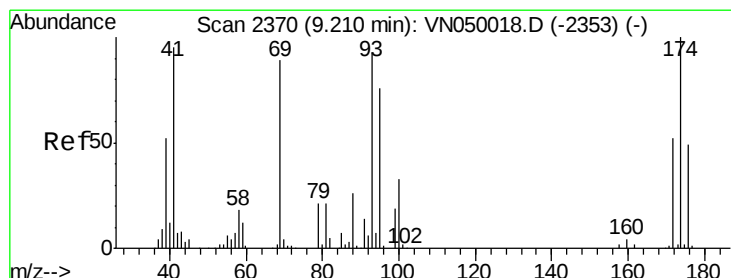
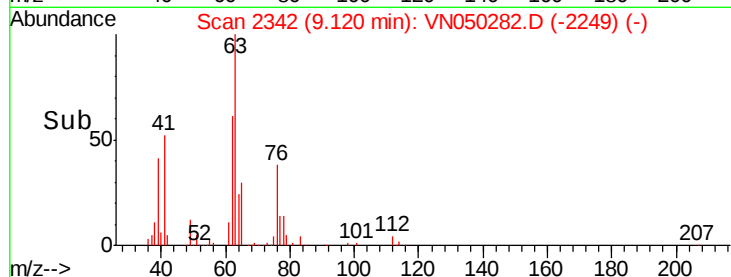
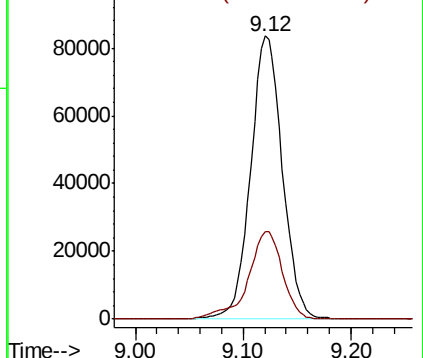
63 100

65 30.7 25.5 38.3



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 21.21 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN050282.D

Acq: 2 Aug 2018 23:39

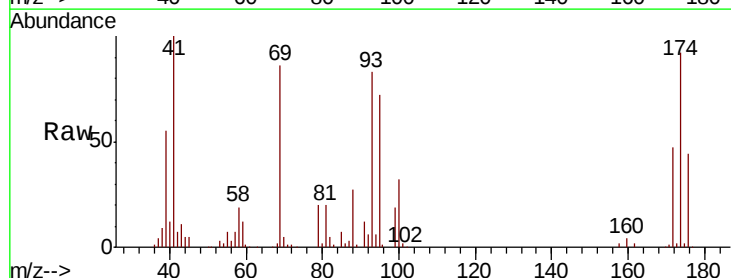
Tgt Ion: 93 Resp: 106922

Ion Ratio Lower Upper

93 100

95 82.9 66.6 100.0

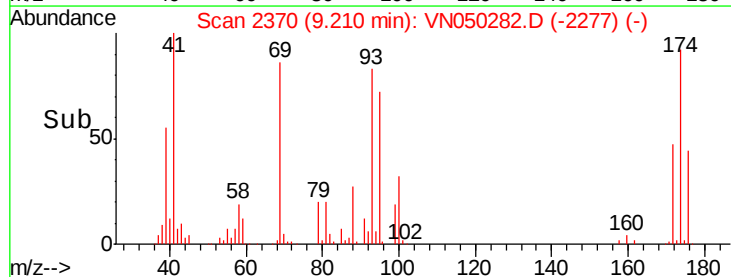
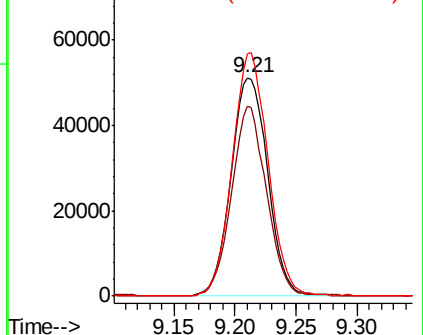
174 108.8 87.1 130.7

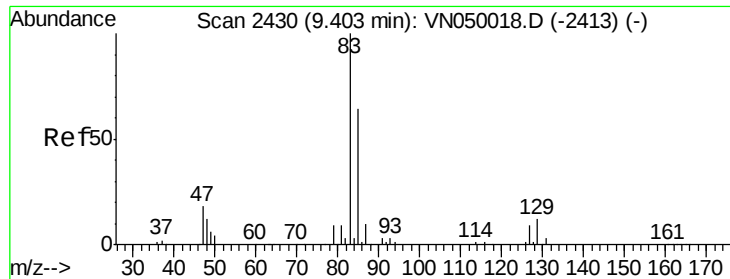


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 21.03 ug/l

RT: 9.41 min Scan# 2431

Delta R.T. 0.00 min

Lab File: VN050282.D

Acq: 2 Aug 2018 23:39

Instrument :

MSVOA_N

ClientSampleId :

VN0802WBSD02

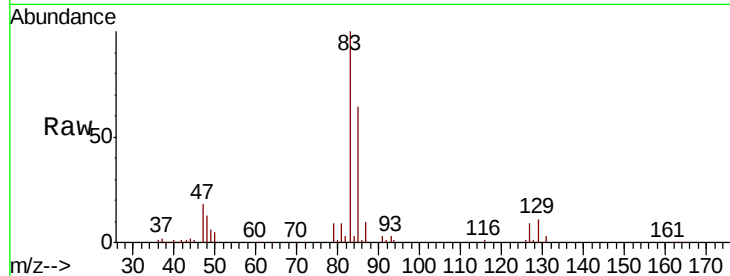
Tot Ion: 83 Resp: 223721

Ion Ratio Lower Upper

83 100

85 63.7 51.1 76.7

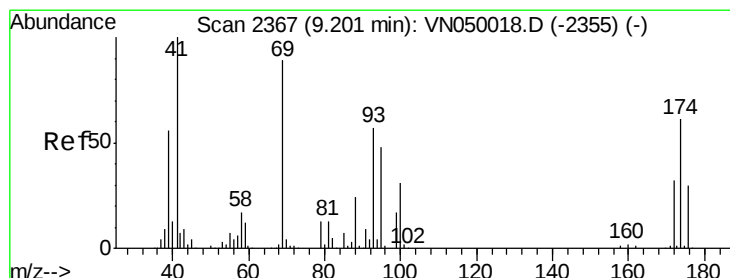
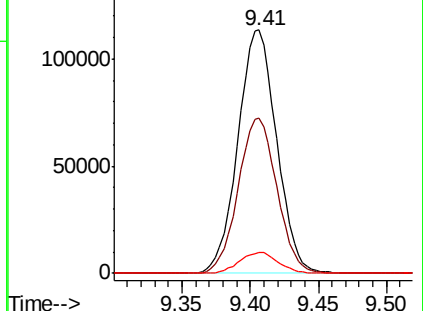
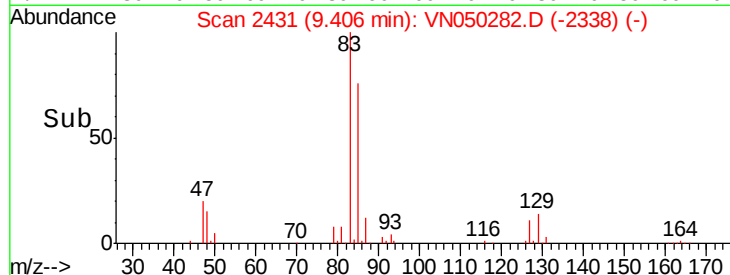
127 8.8 7.0 10.4



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): VN0



#48

Methyl methacrylate

Concen: 22.32 ug/l

RT: 9.20 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN050282.D

Acq: 2 Aug 2018 23:39

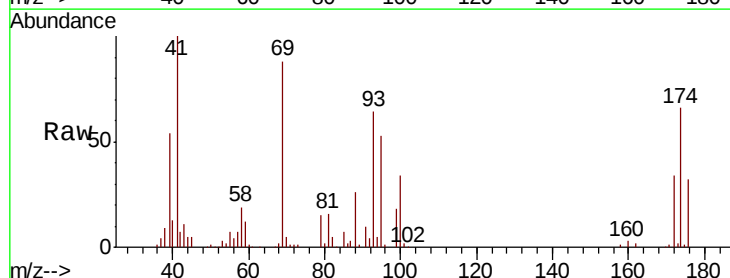
Tgt Ion: 41 Resp: 134993

Ion Ratio Lower Upper

41 100

69 90.1 70.6 105.8

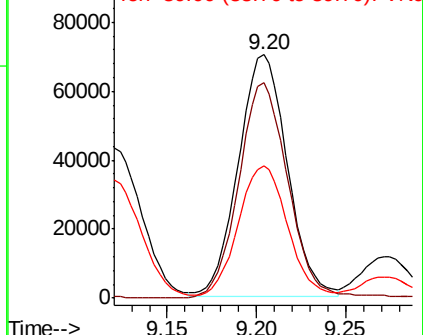
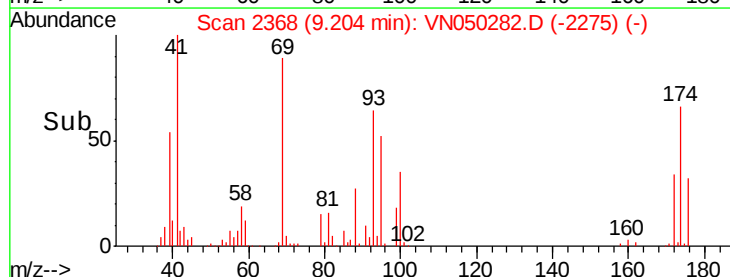
39 55.1 43.9 65.9

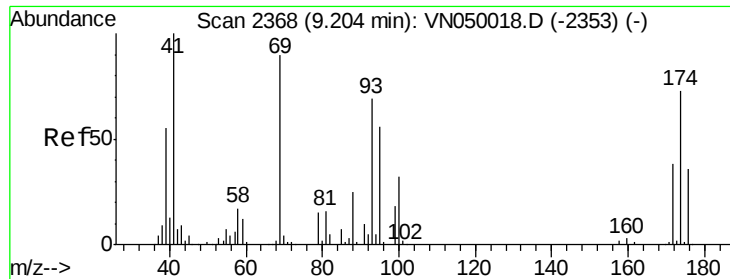


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#49

1,4-Dioxane

Concen: 478.20 ug/l

RT: 9.20 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN050282.D

Acq: 2 Aug 2018 23:39

Instrument :

MSVOA_N

ClientSampleId :

VN0802WBSD02

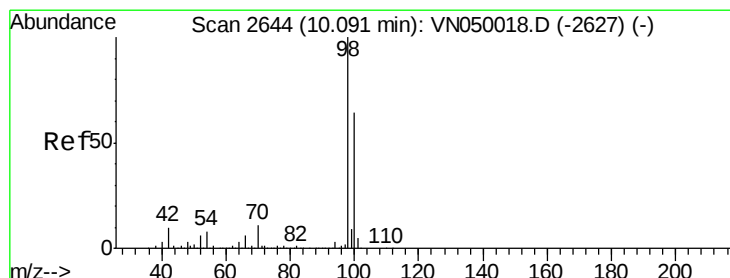
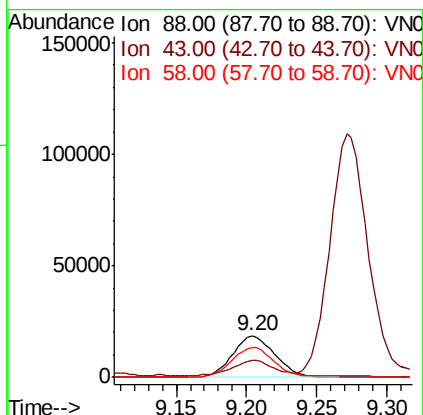
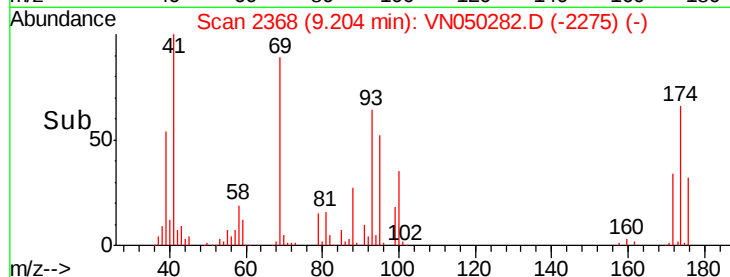
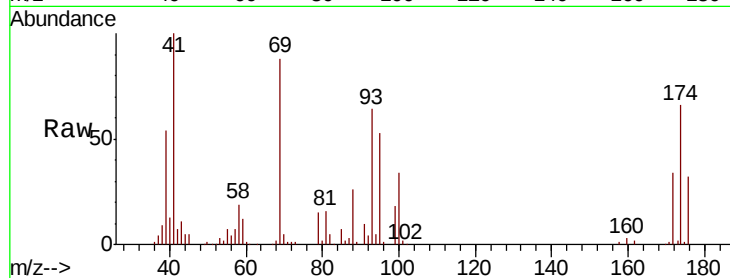
Tot Ion: 88 Resp: 39352

Ion Ratio Lower Upper

88 100

43 33.5 26.9 40.3

58 71.6 57.3 85.9



#50

Toluene-d8

Concen: 49.19 ug/l

RT: 10.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VN050282.D

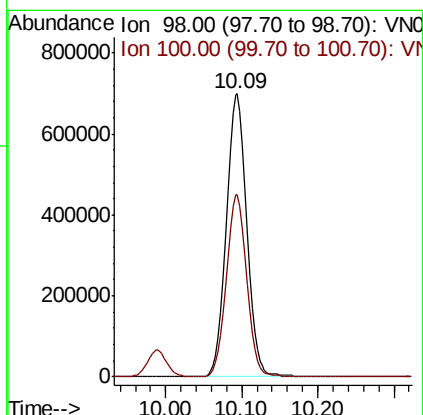
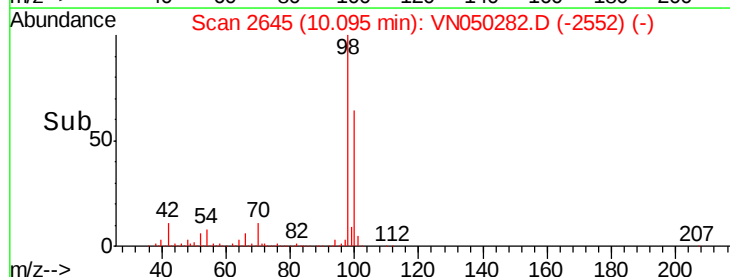
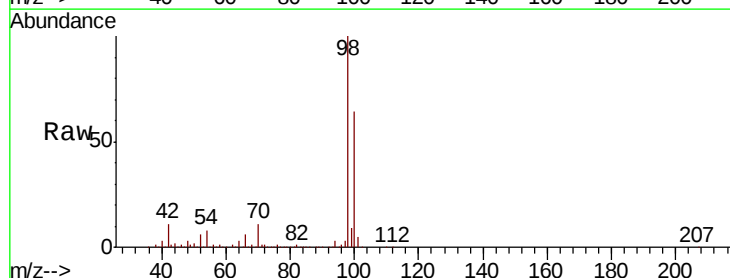
Acq: 2 Aug 2018 23:39

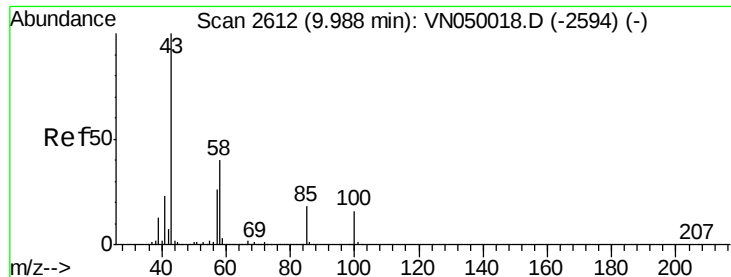
Tgt Ion: 98 Resp: 1319938

Ion Ratio Lower Upper

98 100

100 64.3 50.7 76.1

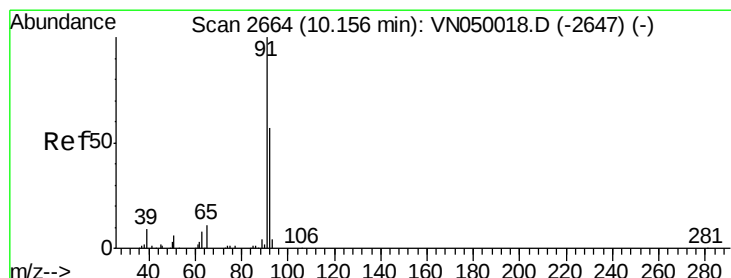
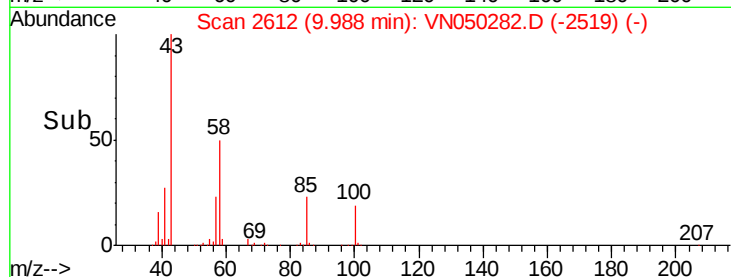
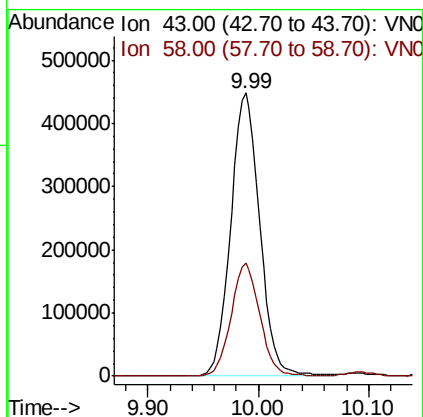
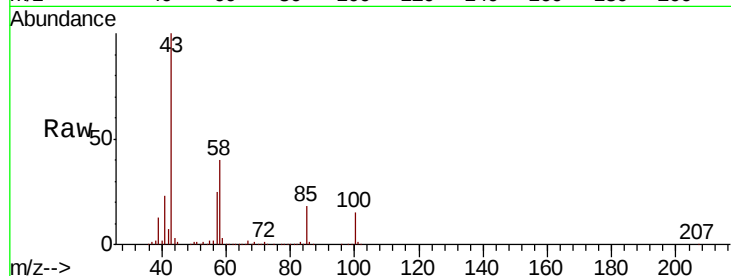




#51
4-Methyl-2-Pentanone
Concen: 117.95 ug/l
RT: 9.99 min Scan# 2612
Delta R.T. 0.00 min
Lab File: VN050282.D
Acq: 2 Aug 2018 23:39

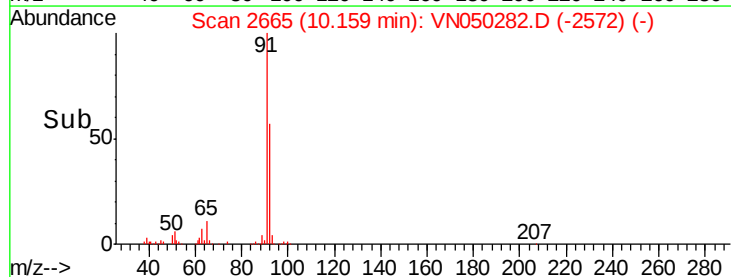
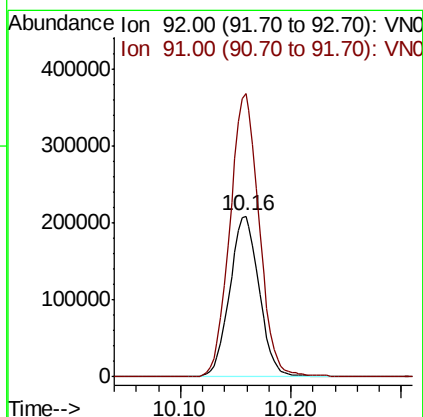
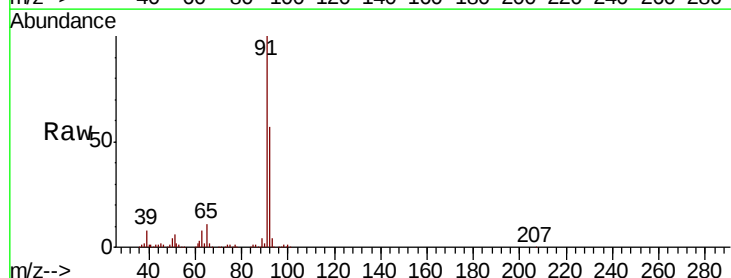
Instrument :
MSVOA_N
ClientSampleID :
VN0802WBSD02

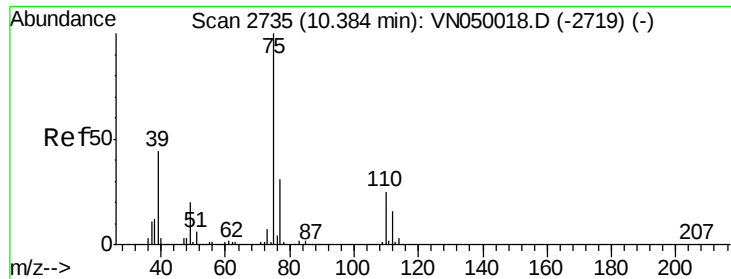
Tot Ion: 43 Resp: 814118
Ion Ratio Lower Upper
43 100
58 39.6 31.9 47.9



#52
Toluene
Concen: 21.38 ug/l
RT: 10.16 min Scan# 2665
Delta R.T. 0.00 min
Lab File: VN050282.D
Acq: 2 Aug 2018 23:39

Tgt Ion: 92 Resp: 386770
Ion Ratio Lower Upper
92 100
91 175.2 140.3 210.5





#53

t-1,3-Dichloropropene

Concen: 20.17 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN050282.D

Acq: 2 Aug 2018 23:39

Instrument :

MSVOA_N

ClientSampled :

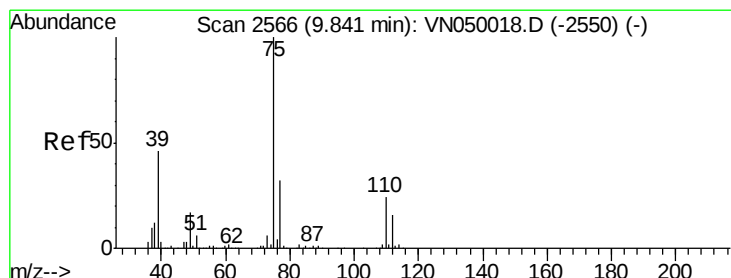
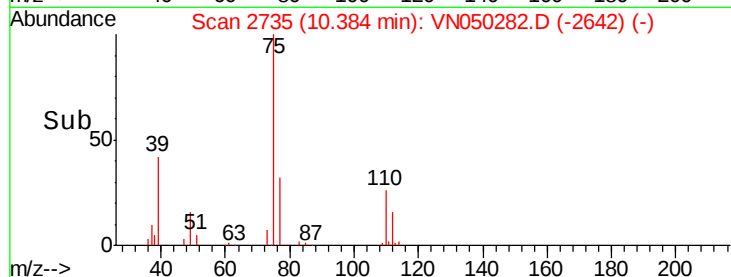
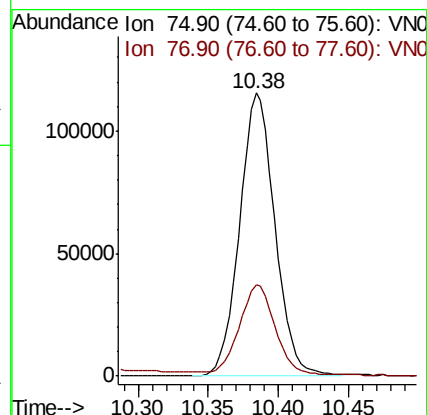
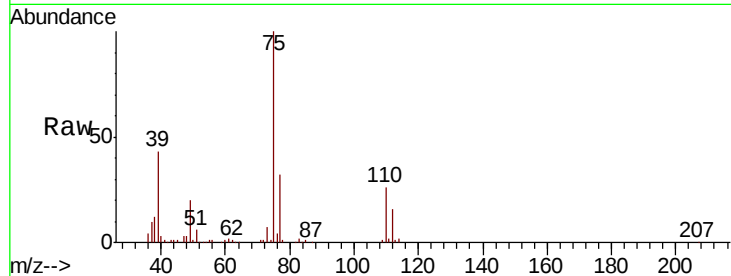
VN0802WBSD02

Tot Ion: 75 Resp: 202466

Ion Ratio Lower Upper

75 100

77 31.7 24.9 37.3



#54

cis-1,3-Dichloropropene

Concen: 20.56 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. -0.00 min

Lab File: VN050282.D

Acq: 2 Aug 2018 23:39

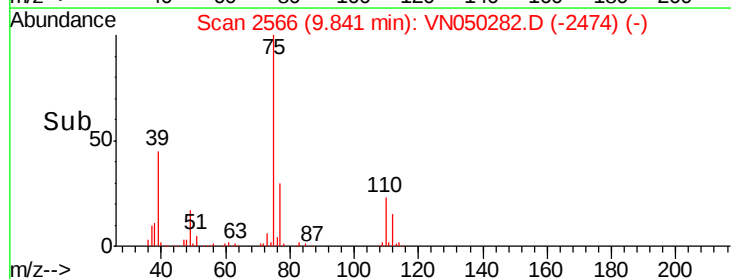
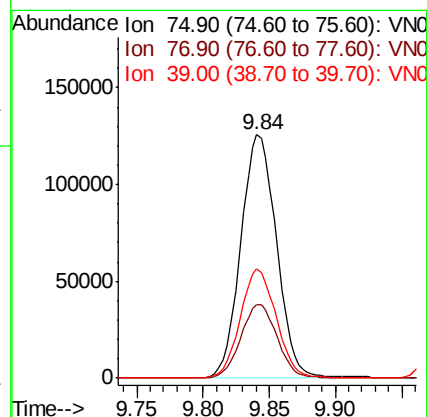
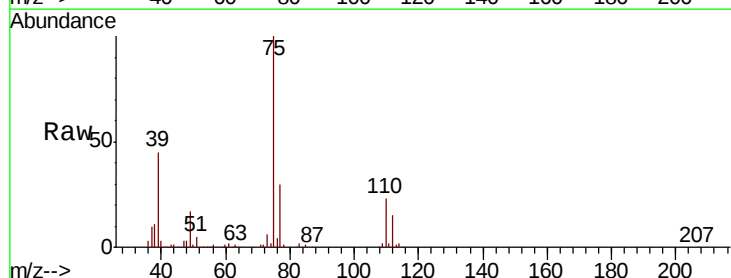
Tgt Ion: 75 Resp: 235856

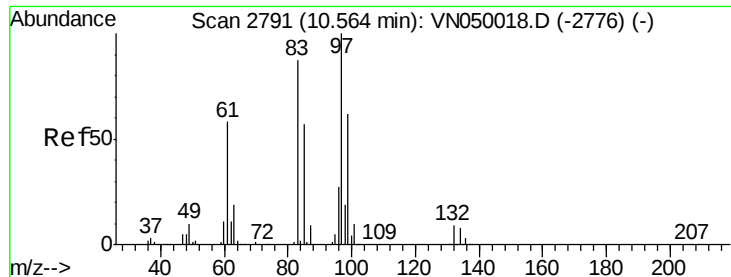
Ion Ratio Lower Upper

75 100

77 30.3 25.5 38.3

39 44.9 36.6 55.0

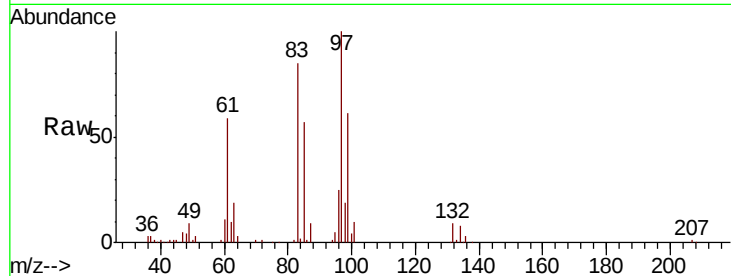




#55
 1,1,2-Trichloroethane
 Concen: 21.67 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. -0.00 min
 Lab File: VN050282.D
 Acq: 2 Aug 2018 23:39

Instrument :
 MSVOA_N
 ClientSampled :
 VN0802WBSD02

Tot Ion	Ratio	Lower	Upper
97	100		
83	84.8	69.2	103.8
85	57.3	44.0	66.0
99	61.4	49.9	74.9



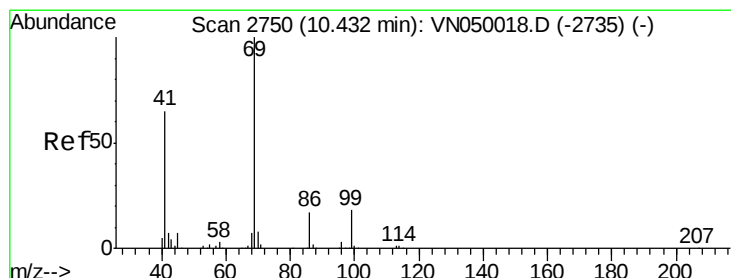
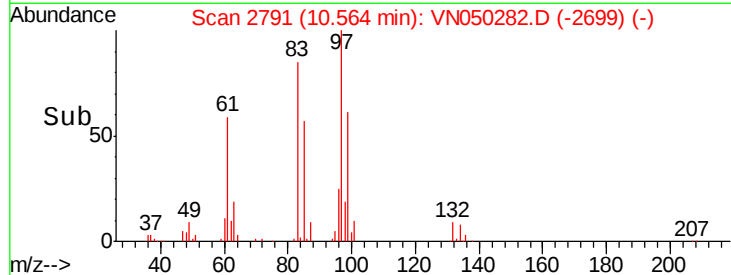
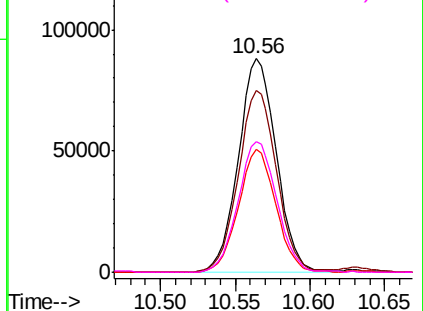
Abundance

Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

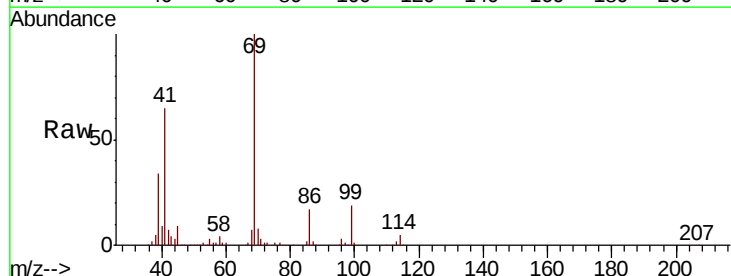
Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



#56
 Ethyl methacrylate
 Concen: 20.50 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN050282.D
 Acq: 2 Aug 2018 23:39

Tgt Ion	Ratio	Lower	Upper
69	100		
41	63.6	51.0	76.4
39	33.7	26.6	40.0

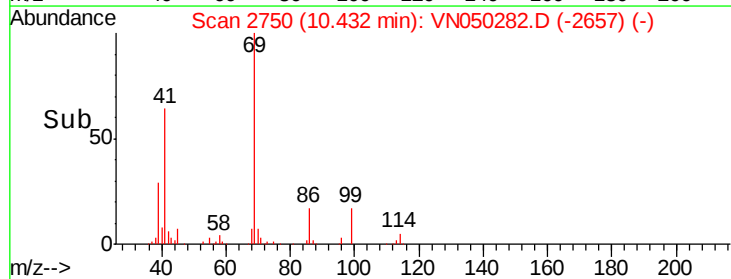
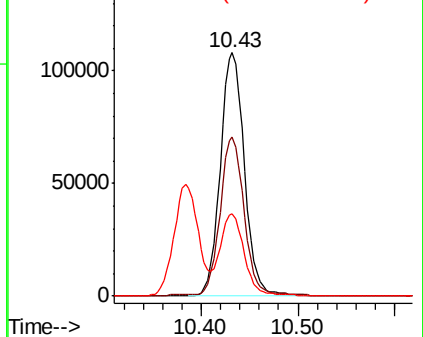


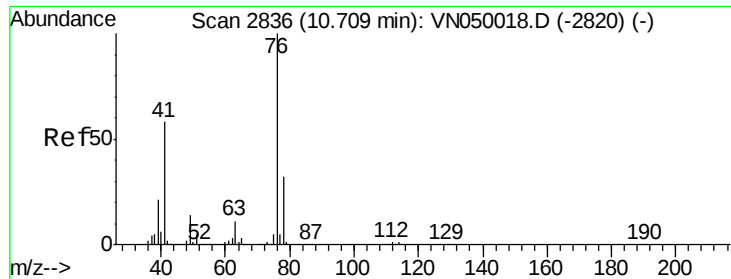
Abundance

Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

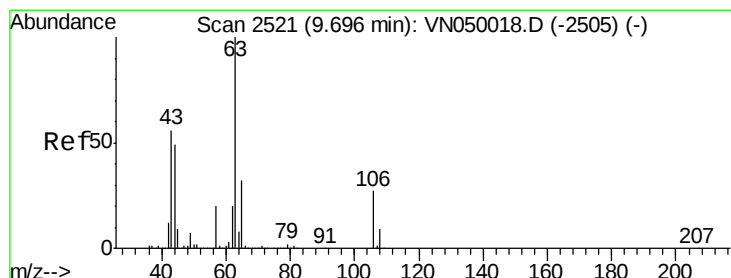
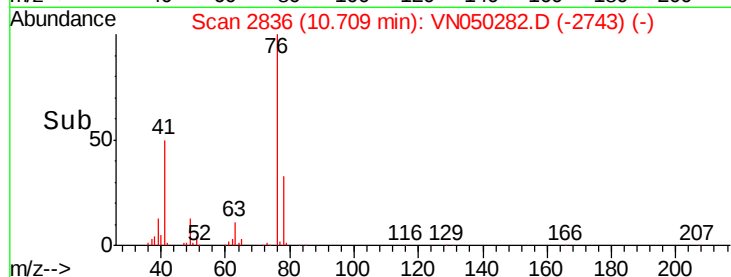
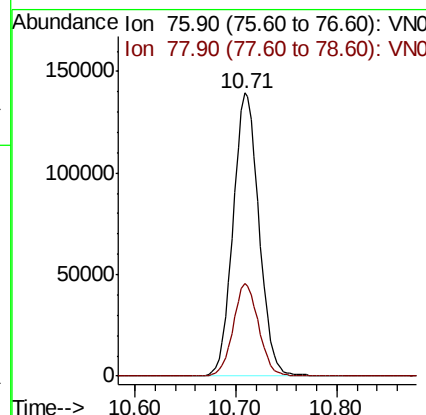
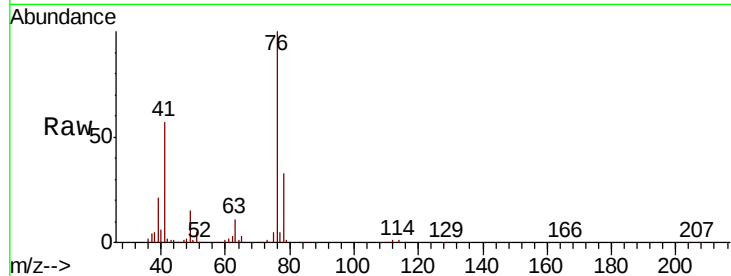




#57
 1,3-Dichloropropane
 Concen: 21.39 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. 0.00 min
 Lab File: VN050282.D
 Acq: 2 Aug 2018 23:39

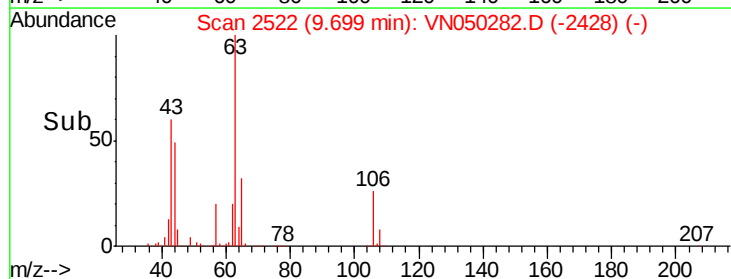
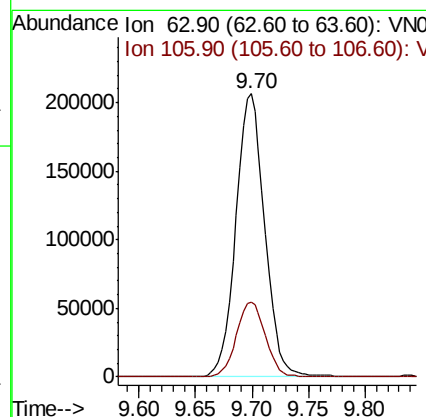
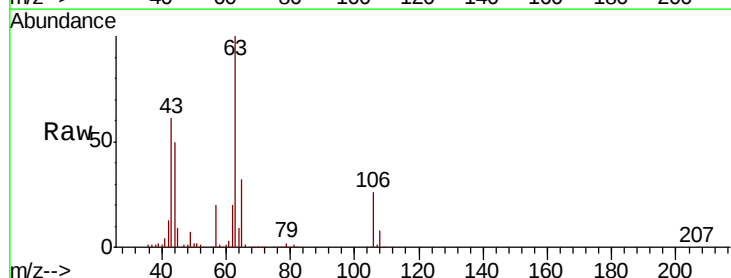
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0802WBSD02

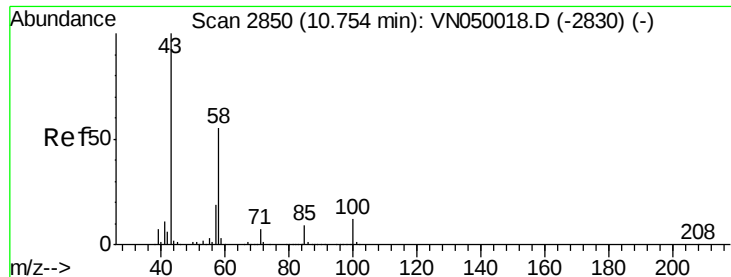
Tot Ion: 76 Resp: 249855
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 86.39 ug/l
 RT: 9.70 min Scan# 2522
 Delta R.T. 0.00 min
 Lab File: VN050282.D
 Acq: 2 Aug 2018 23:39

Tgt Ion: 63 Resp: 366059
 Ion Ratio Lower Upper
 63 100
 106 26.6 21.7 32.5

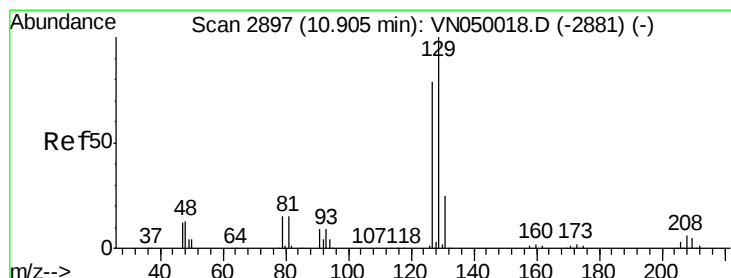
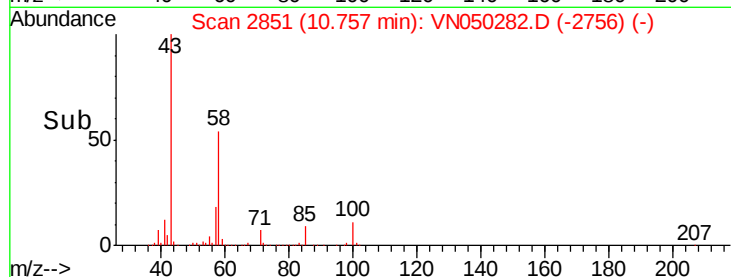
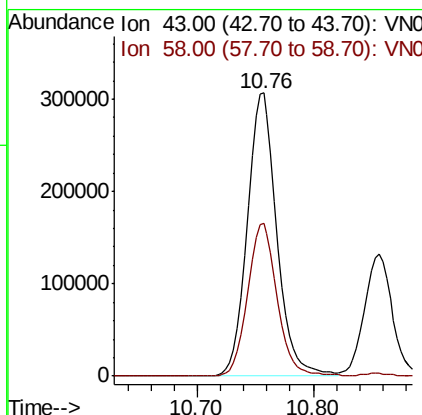
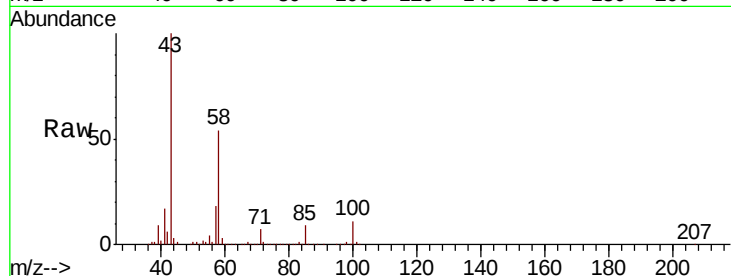




#59
2-Hexanone
Concen: 110.12 ug/l
RT: 10.76 min Scan# 2851
Delta R.T. 0.00 min
Lab File: VN050282.D
Acq: 2 Aug 2018 23:39

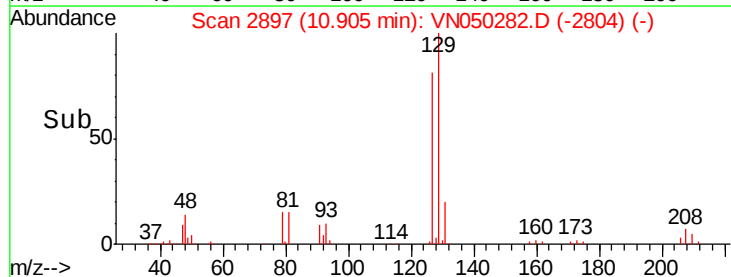
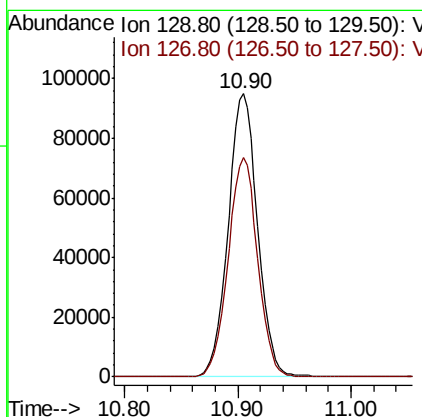
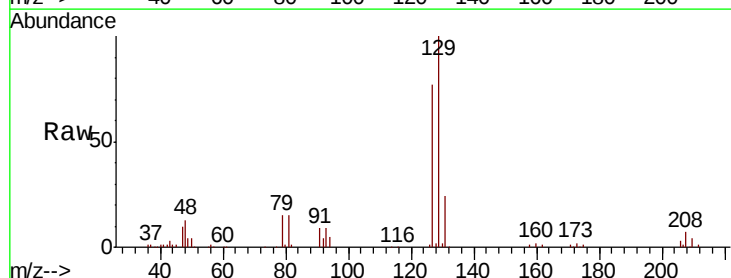
Instrument :
MSVOA_N
ClientSampled :
VN0802WBSD02

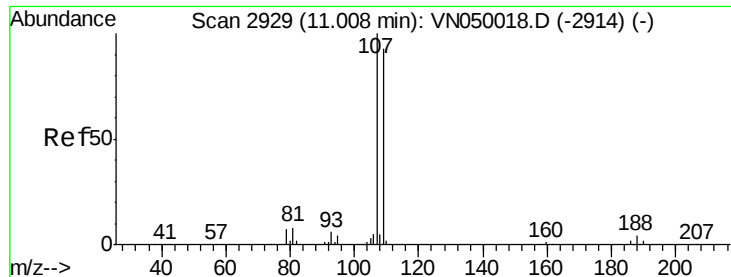
Tot Ion: 43 Resp: 543548
Ion Ratio Lower Upper
43 100
58 54.2 27.6 82.7



#60
Dibromochloromethane
Concen: 21.54 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VN050282.D
Acq: 2 Aug 2018 23:39

Tgt Ion: 129 Resp: 171148
Ion Ratio Lower Upper
129 100
127 77.7 38.0 113.9





#61

1,2-Dibromoethane

Concen: 21.01 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. 0.00 min

Lab File: VN050282.D

Acq: 2 Aug 2018 23:39

Instrument :

MSVOA_N

ClientSampleId :

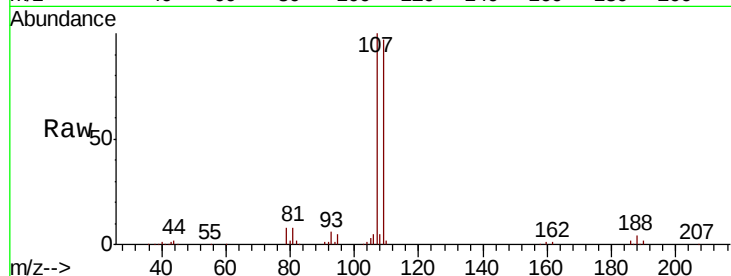
VN0802WBSD02

Tot Ion:107 Resp: 149542

Ion Ratio Lower Upper

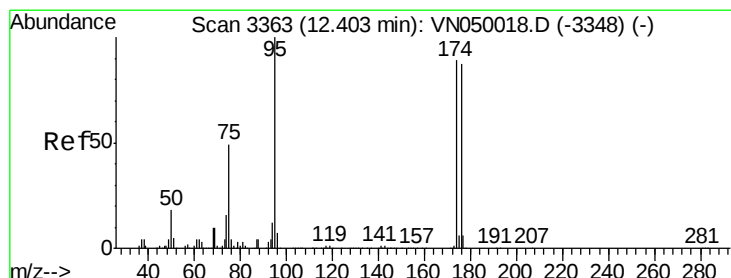
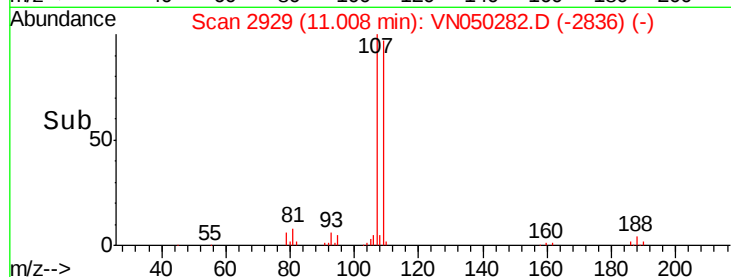
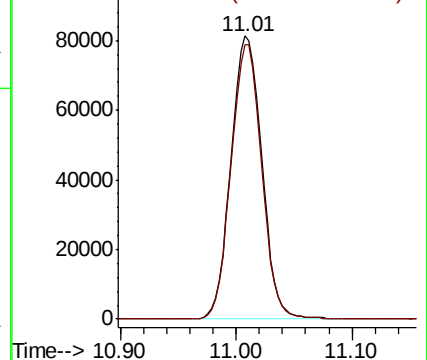
107 100

109 96.0 74.6 112.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 48.86 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050282.D

Acq: 2 Aug 2018 23:39

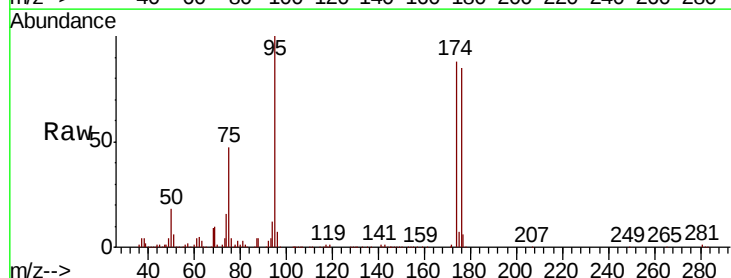
Tgt Ion: 95 Resp: 431670

Ion Ratio Lower Upper

95 100

174 89.2 0.0 178.2

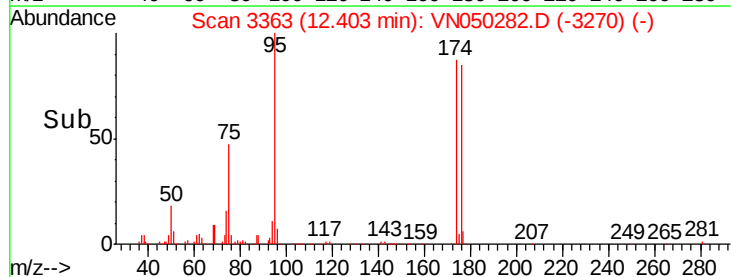
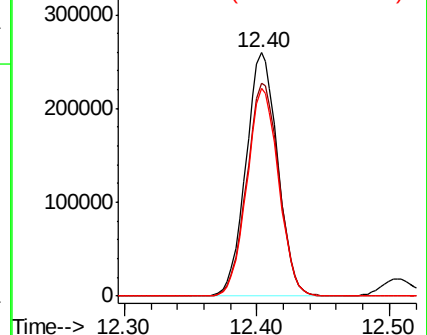
176 85.4 0.0 173.4

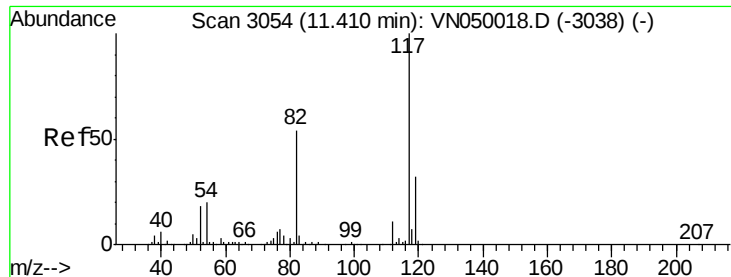


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

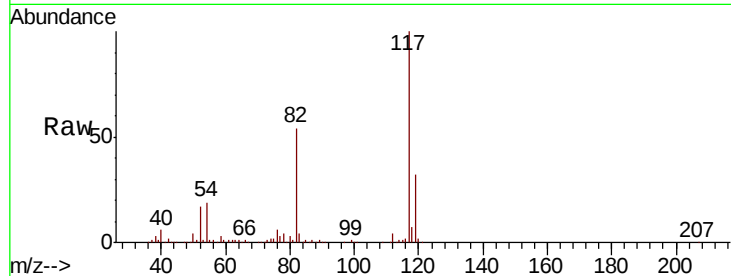




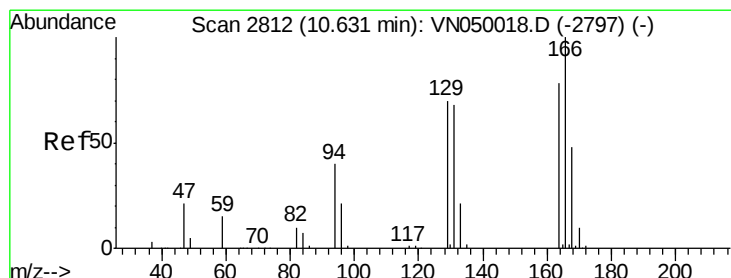
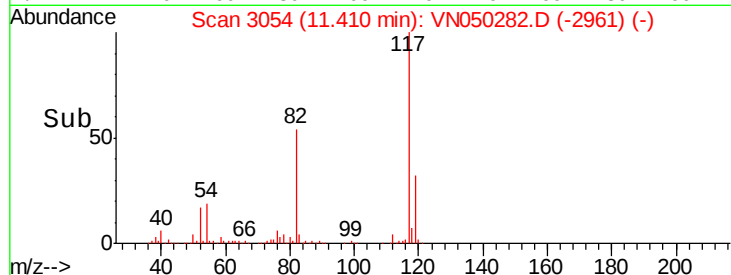
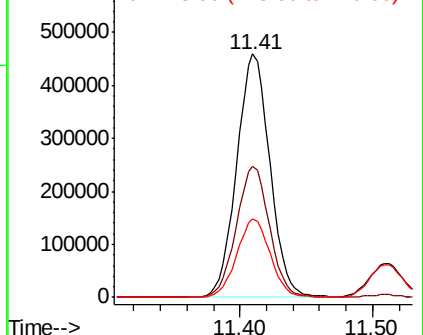
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050282.D
Acq: 2 Aug 2018 23:39

Instrument :
MSVOA_N
ClientSampleId :
VN0802WBSD02

Tot Ion:117 Resp: 798984
Ion Ratio Lower Upper
117 100
82 54.0 43.7 65.5
119 32.1 26.1 39.1

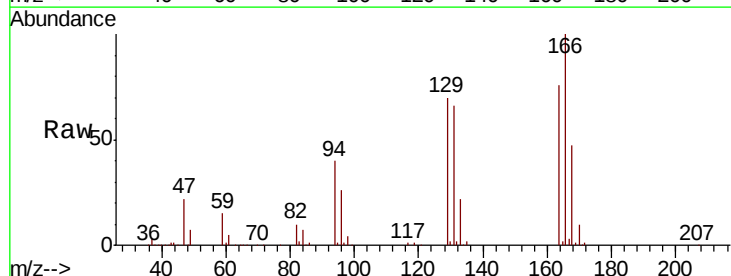


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

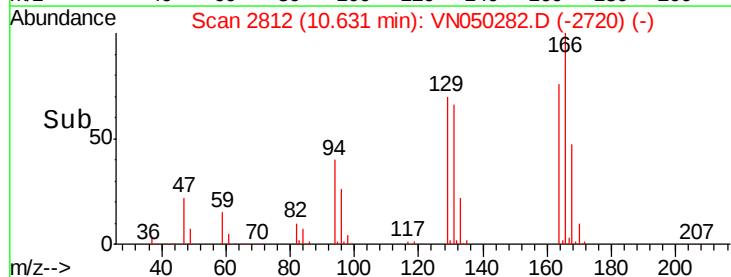
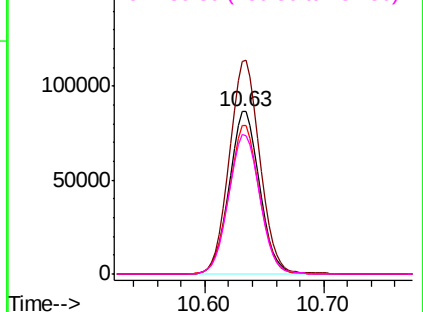


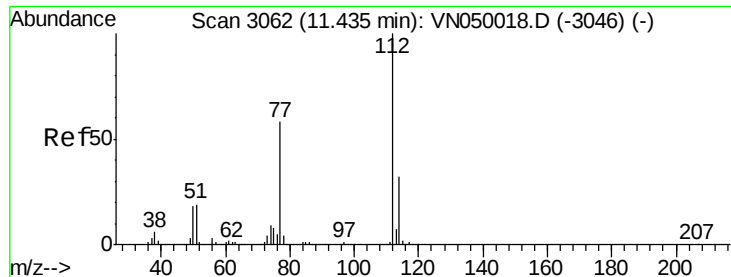
#64
Tetrachloroethene
Concen: 20.00 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. -0.00 min
Lab File: VN050282.D
Acq: 2 Aug 2018 23:39

Tgt Ion:164 Resp: 153639
Ion Ratio Lower Upper
164 100
166 131.0 102.1 153.1
129 91.8 73.2 109.8
131 85.9 70.6 106.0



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: 20.68 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN050282.D

Acq: 2 Aug 2018 23:39

Instrument :

MSVOA_N

ClientSampleId :

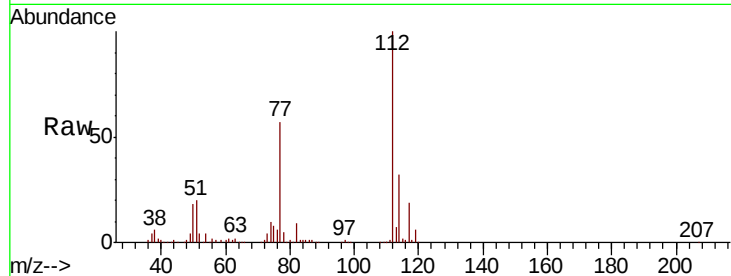
VN0802WBSD02

Tot Ion:112 Resp: 417328

Ion Ratio Lower Upper

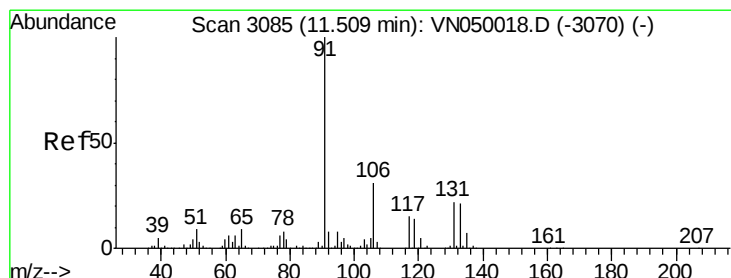
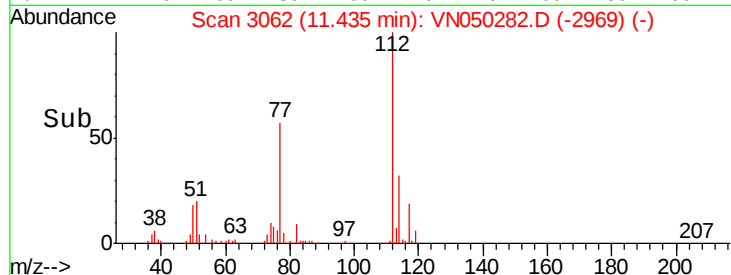
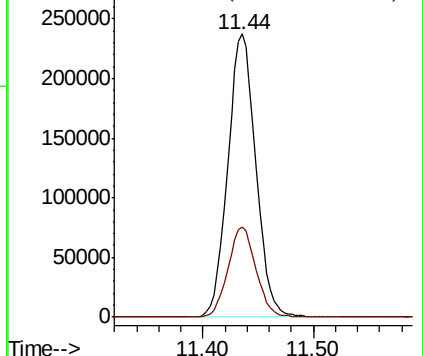
112 100

114 32.0 25.6 38.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 21.08 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. -0.00 min

Lab File: VN050282.D

Acq: 2 Aug 2018 23:39

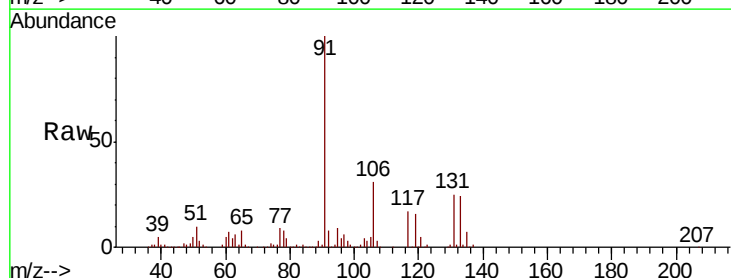
Tgt Ion:131 Resp: 163450

Ion Ratio Lower Upper

131 100

133 96.1 47.3 141.9

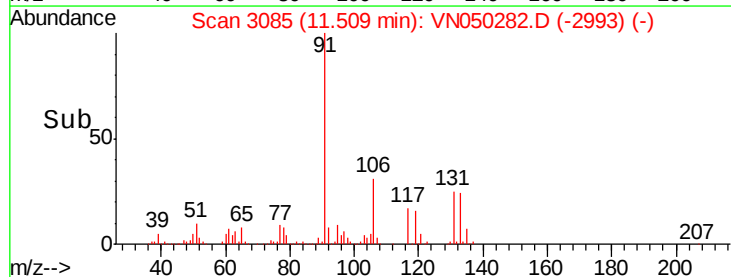
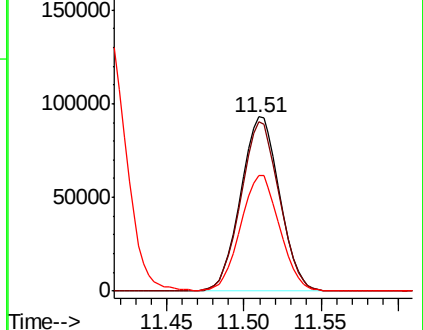
119 66.5 32.9 98.7

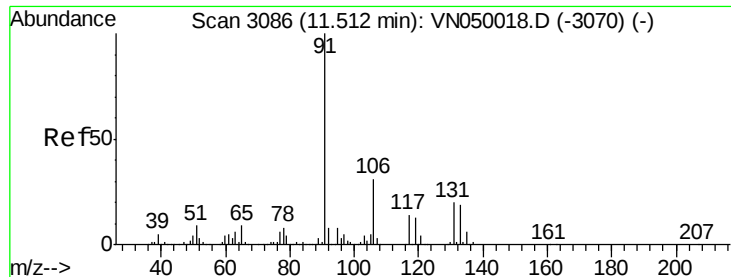


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

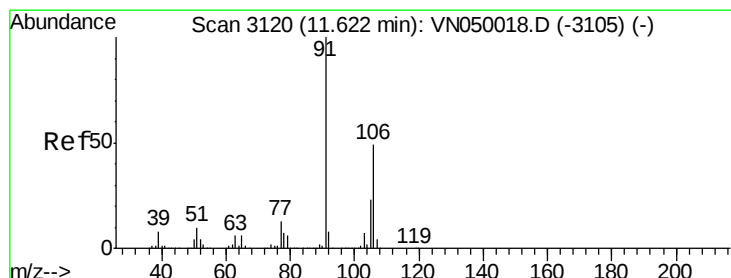
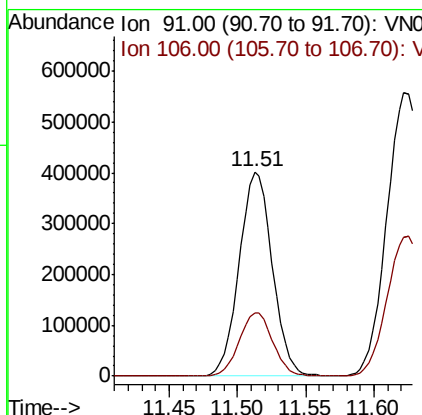
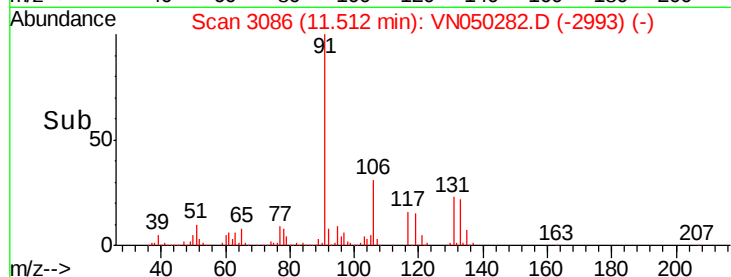
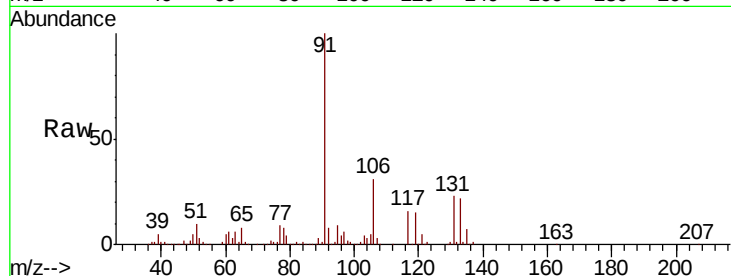




#67
Ethyl Benzene
Concen: 20.93 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN050282.D
Acq: 2 Aug 2018 23:39

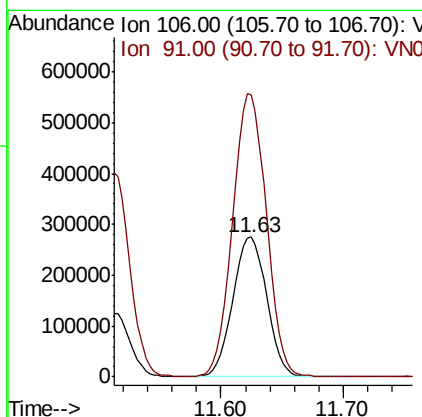
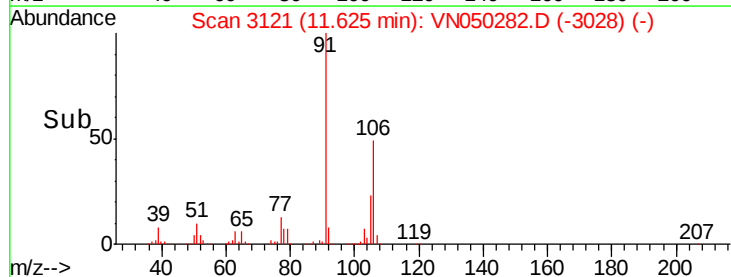
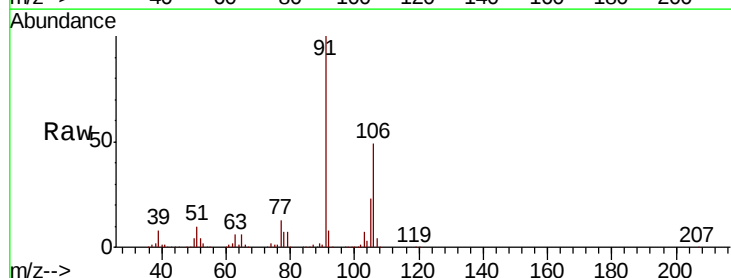
Instrument :
MSVOA_N
ClientSampleId :
VN0802WBSD02

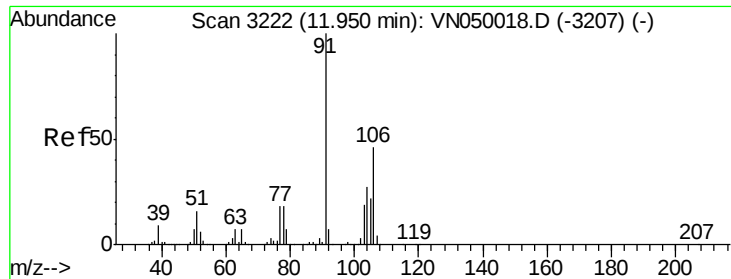
Tot Ion: 91 Resp: 678632
Ion Ratio Lower Upper
91 100
106 31.3 25.0 37.4



#68
m/p-Xylenes
Concen: 43.17 ug/l
RT: 11.63 min Scan# 3121
Delta R.T. 0.00 min
Lab File: VN050282.D
Acq: 2 Aug 2018 23:39

Tgt Ion: 106 Resp: 529391
Ion Ratio Lower Upper
106 100
91 201.4 162.2 243.2

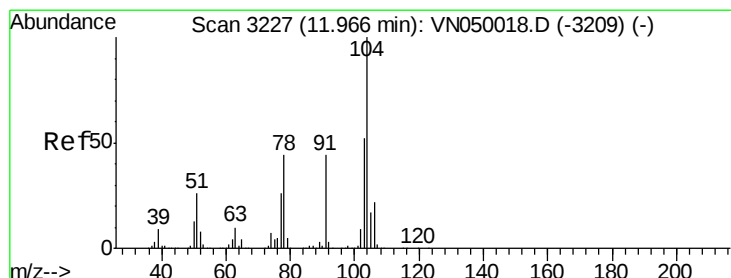
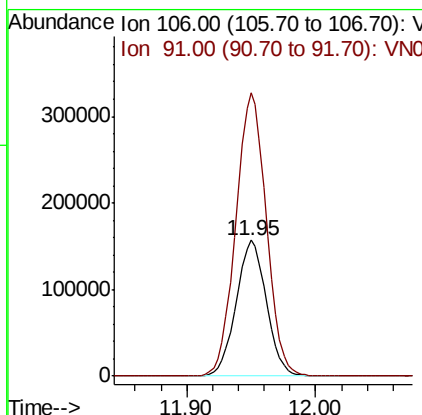
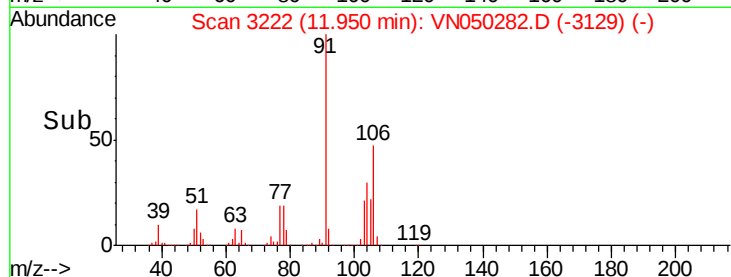
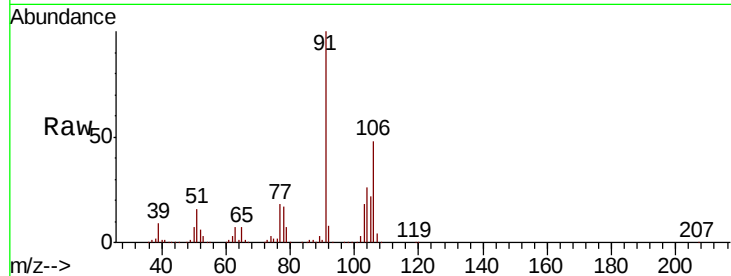




#69
o-Xylene
Concen: 21.84 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN050282.D
Acq: 2 Aug 2018 23:39

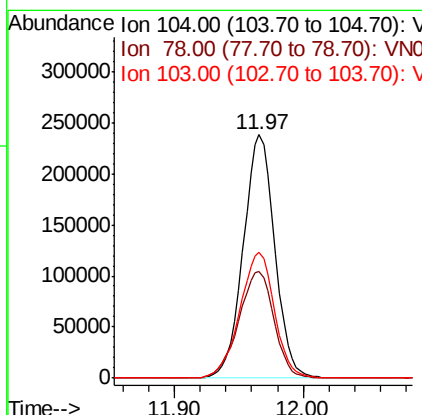
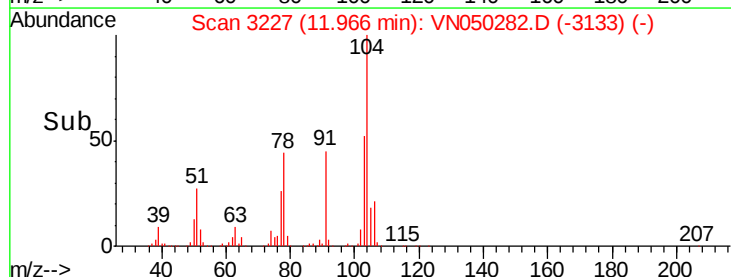
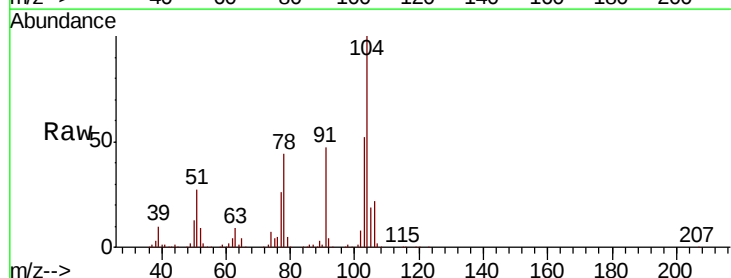
Instrument :
MSVOA_N
ClientSampleId :
VN0802WBSD02

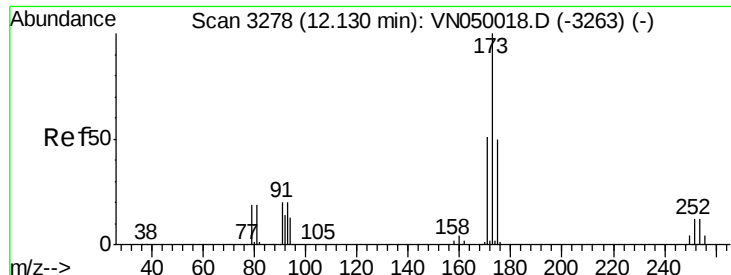
Tot Ion:106 Resp: 255272
Ion Ratio Lower Upper
106 100
91 210.7 107.7 323.1



#70
Styrene
Concen: 20.07 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN050282.D
Acq: 2 Aug 2018 23:39

Tgt Ion:104 Resp: 405484
Ion Ratio Lower Upper
104 100
78 49.1 39.3 58.9
103 56.7 45.0 67.6





#71

Bromoform

Concen: 21.47 ug/l

RT: 12.13 min Scan# 3278

Delta R.T. 0.00 min

Lab File: VN050282.D

Acq: 2 Aug 2018 23:39

Instrument :

MSVOA_N

ClientSampleId :

VN0802WBSD02

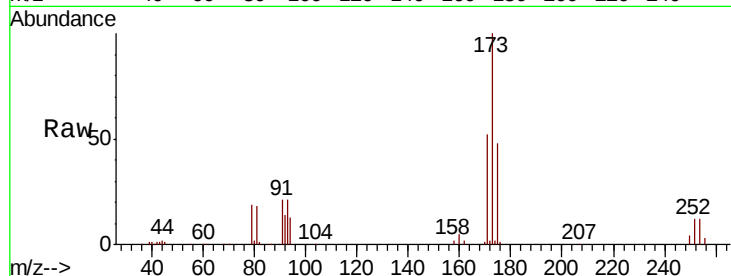
Tot Ion:173 Resp: 121119

Ion Ratio Lower Upper

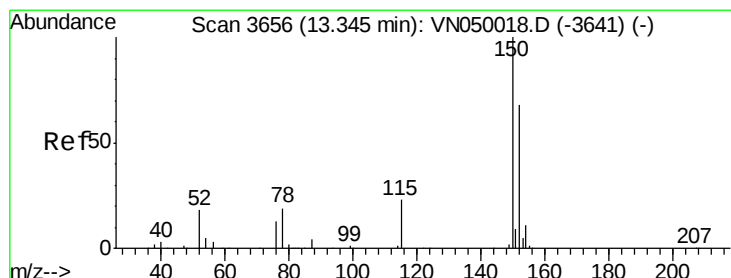
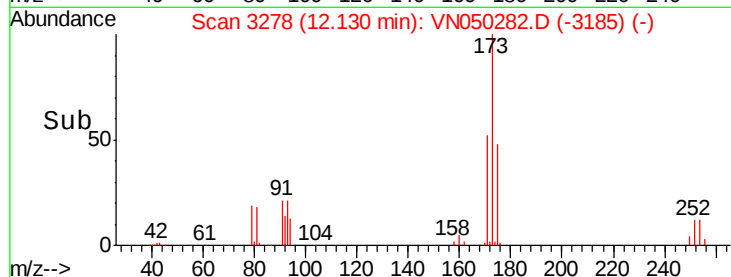
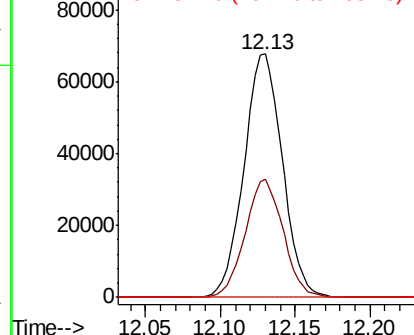
173 100

175 47.8 24.1 72.2

254 0.0 0.2 0.2#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN050282.D

Acq: 2 Aug 2018 23:39

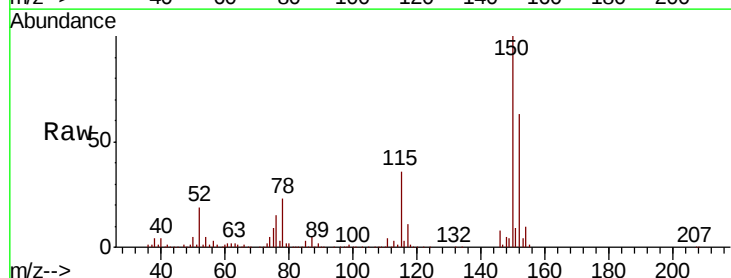
Tgt Ion:152 Resp: 396678

Ion Ratio Lower Upper

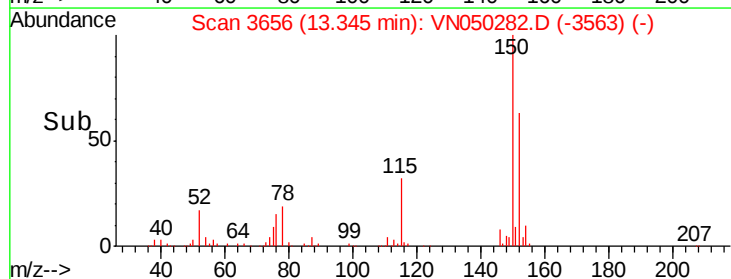
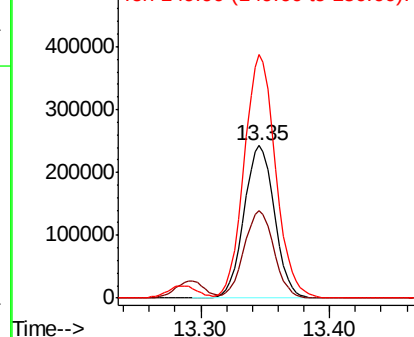
152 100

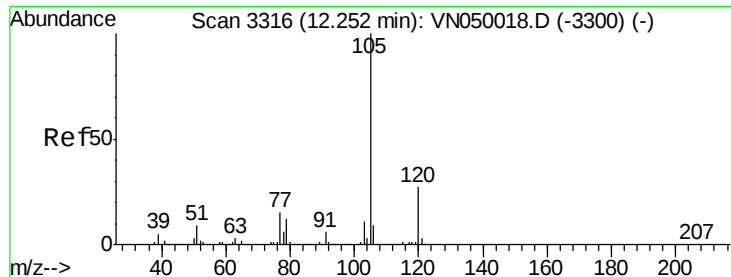
115 56.5 27.8 83.3

150 165.4 0.0 348.6



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





#73

Isopropylbenzene

Concen: 22.09 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN050282.D

Acq: 2 Aug 2018 23:39

Instrument :

MSVOA_N

ClientSampleId :

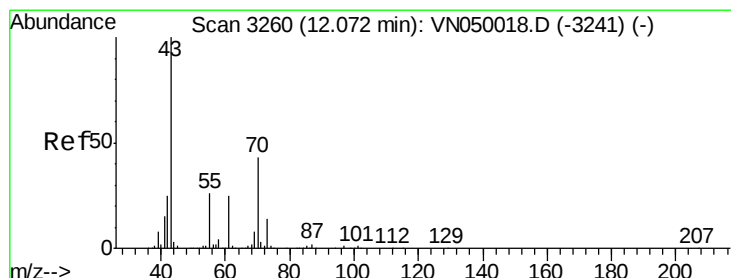
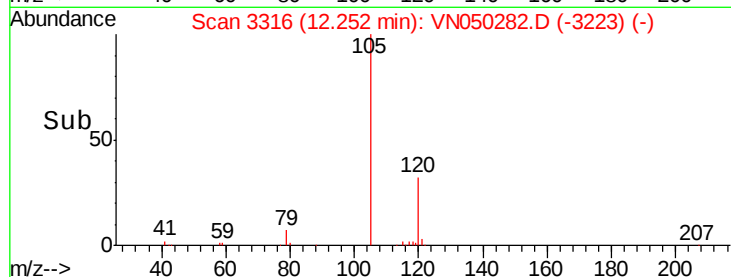
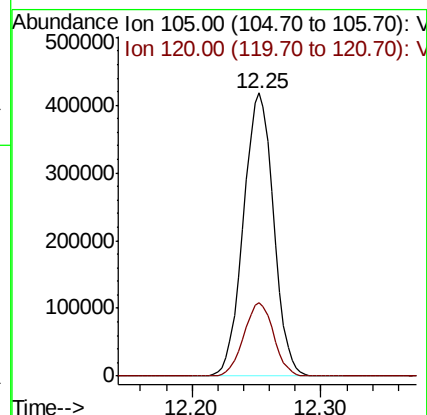
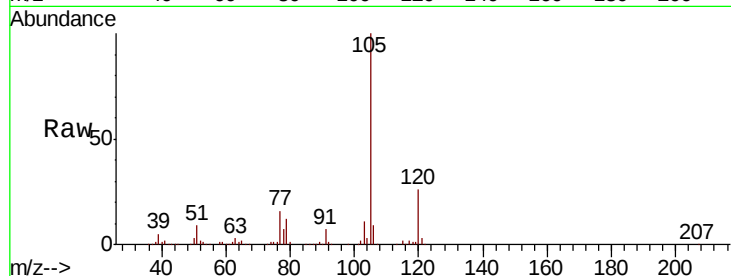
VN0802WBSD02

Tot Ion:105 Resp: 679567

Ion Ratio Lower Upper

105 100

120 25.9 13.3 39.8



#74

N-ethyl acetate

Concen: 21.82 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN050282.D

Acq: 2 Aug 2018 23:39

Tgt Ion: 43 Resp: 205158

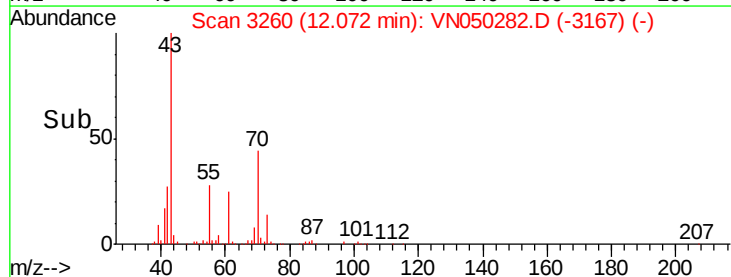
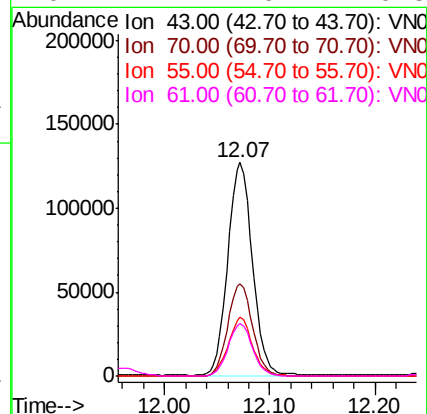
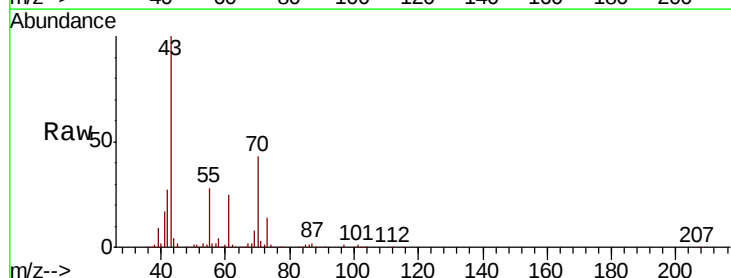
Ion Ratio Lower Upper

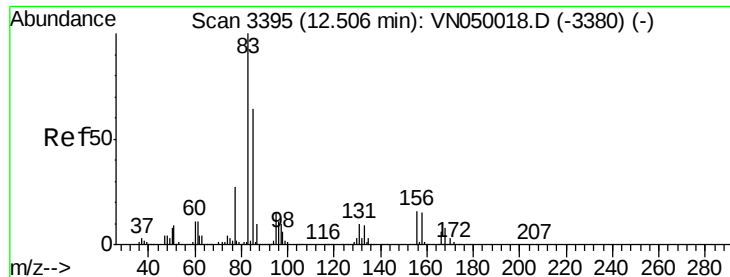
43 100

70 43.5 34.4 51.6

55 27.2 20.8 31.2

61 24.4 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 24.08 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN050282.D

Acq: 2 Aug 2018 23:39

Instrument :

MSVOA_N

ClientSampleId :

VN0802WBSD02

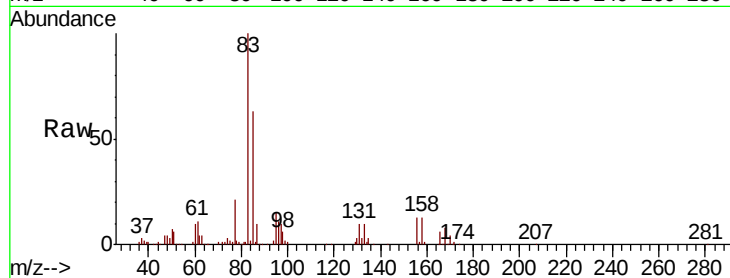
Tot Ion: 83 Resp: 205381

Ion Ratio Lower Upper

83 100

131 10.4 5.1 15.3

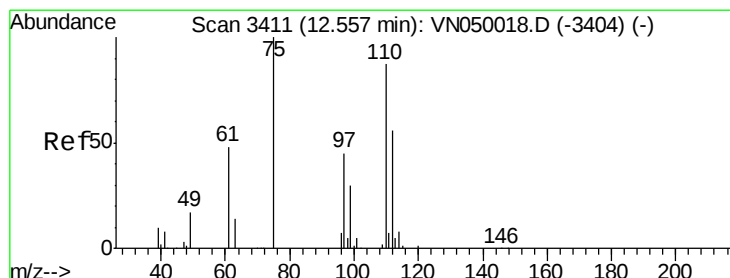
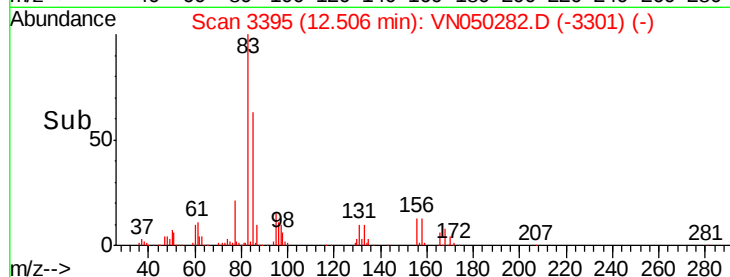
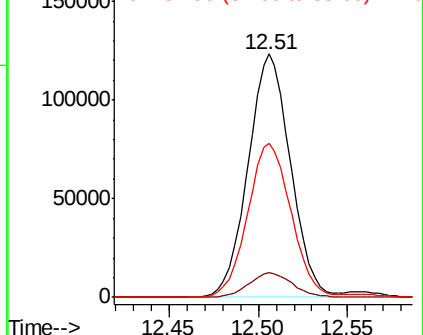
85 64.5 32.3 96.8



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: 32.57 ug/l

RT: 12.56 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN050282.D

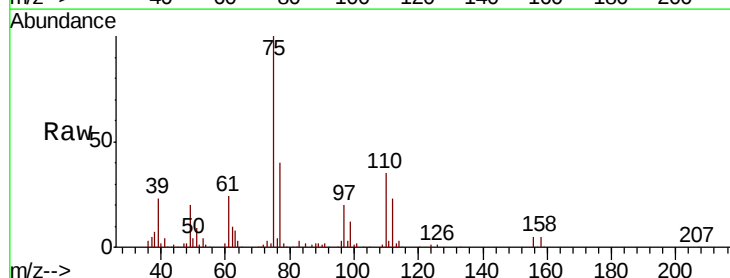
Acq: 2 Aug 2018 23:39

Tgt Ion: 75 Resp: 240114

Ion Ratio Lower Upper

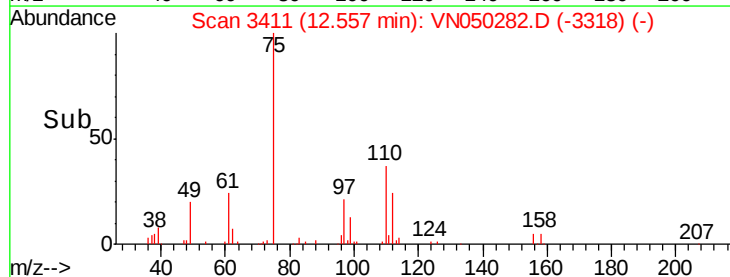
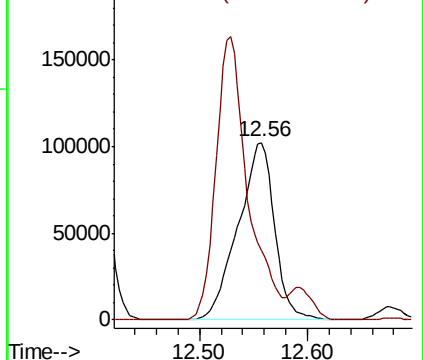
75 100

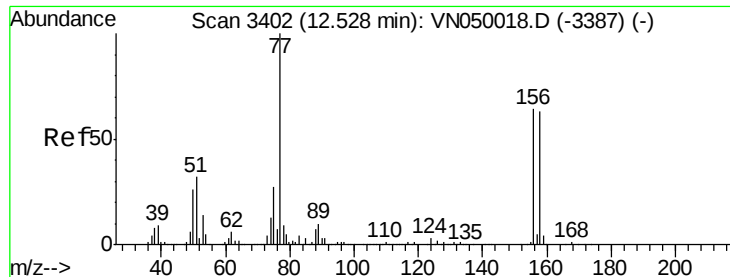
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 20.77 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN050282.D

Acq: 2 Aug 2018 23:39

Instrument :

MSVOA_N

ClientSampleId :

VN0802WBSD02

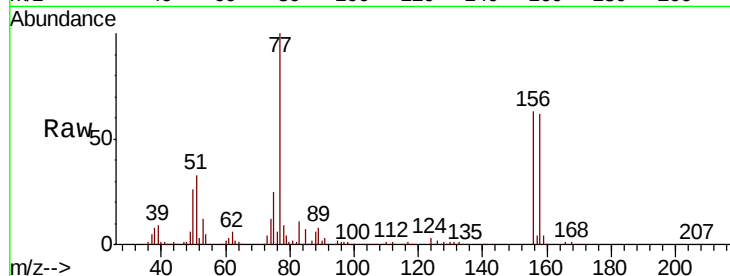
Tot Ion:156 Resp: 177137

Ion Ratio Lower Upper

156 100

77 189.3 91.7 275.1

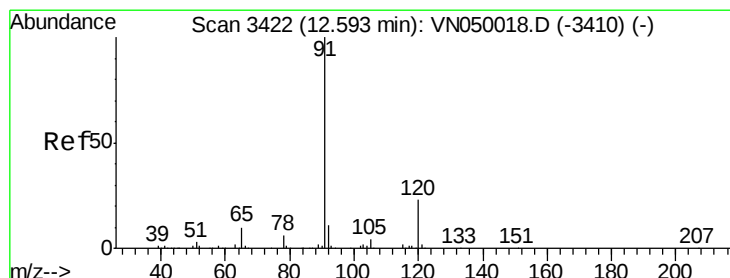
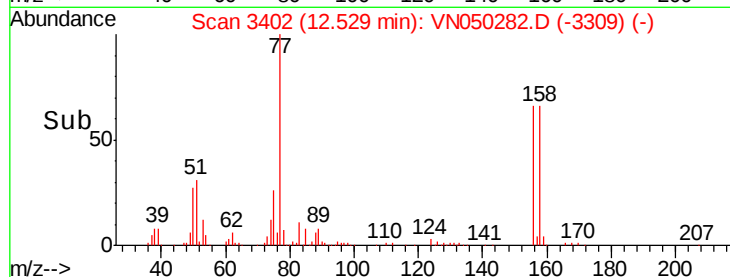
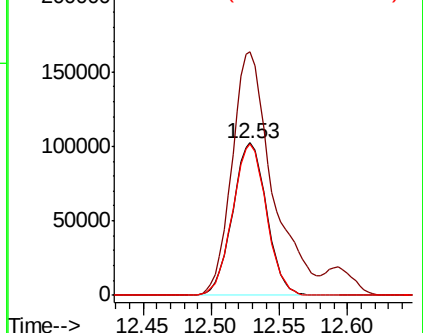
158 98.7 48.9 146.6



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: 22.17 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN050282.D

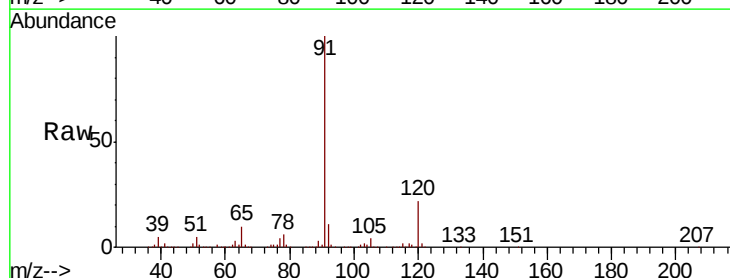
Acq: 2 Aug 2018 23:39

Tgt Ion: 91 Resp: 762405

Ion Ratio Lower Upper

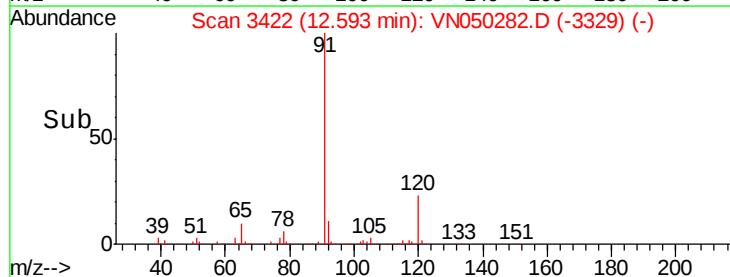
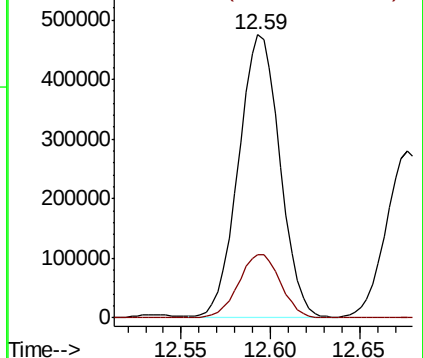
91 100

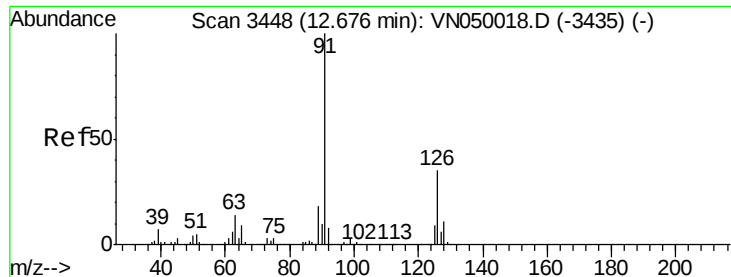
120 22.8 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 22.06 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN050282.D

Acq: 2 Aug 2018 23:39

Instrument :

MSVOA_N

ClientSampleId :

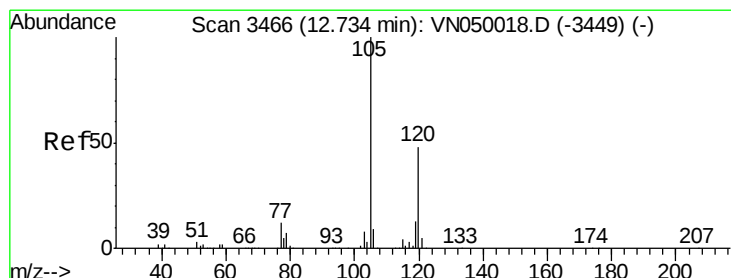
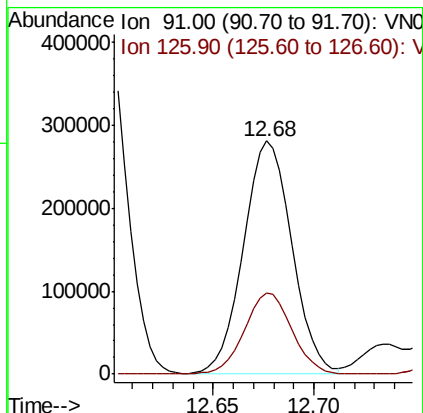
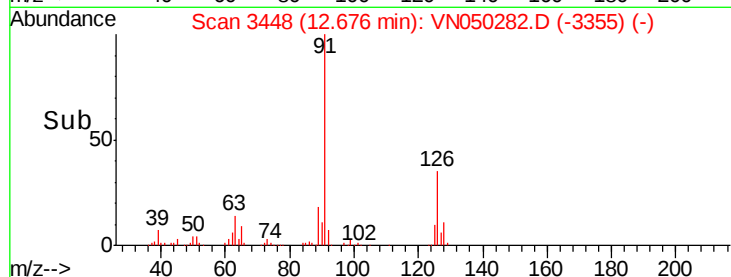
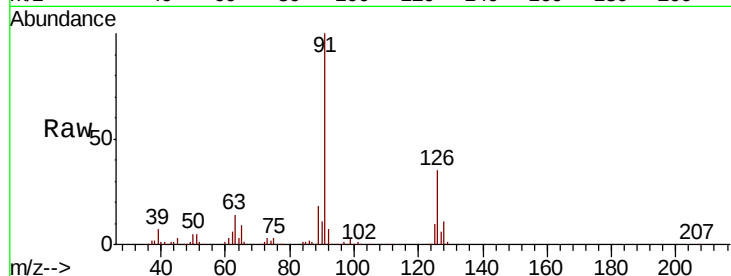
VN0802WBSD02

Tot Ion: 91 Resp: 470125

Ion Ratio Lower Upper

91 100

126 34.4 17.6 52.8



#80

1,3,5-Trimethylbenzene

Concen: 23.06 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050282.D

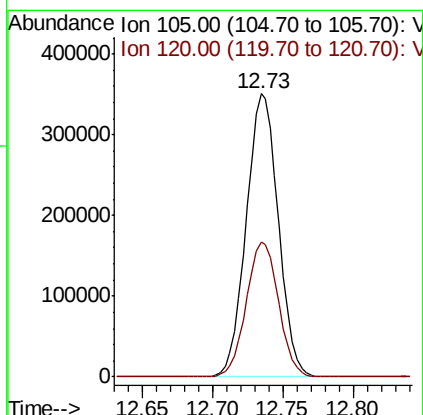
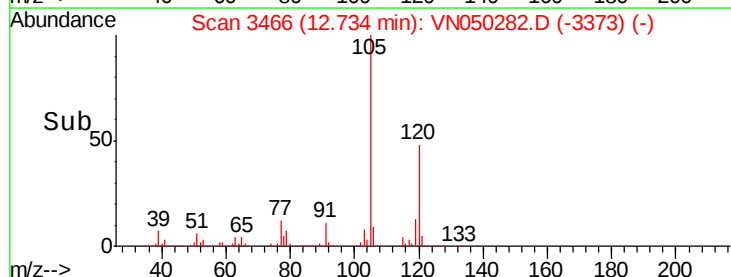
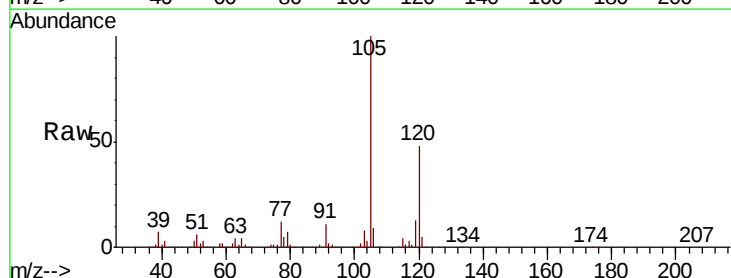
Acq: 2 Aug 2018 23:39

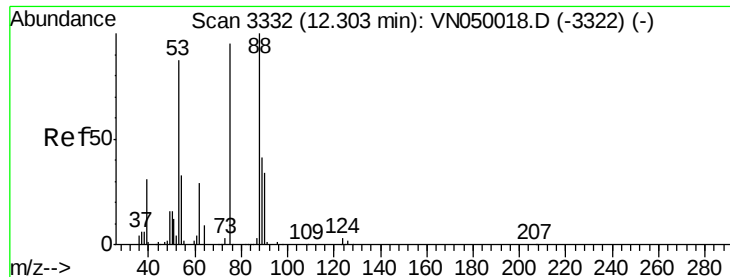
Tgt Ion: 105 Resp: 557973

Ion Ratio Lower Upper

105 100

120 48.1 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 20.11 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN050282.D

Acq: 2 Aug 2018 23:39

Instrument :

MSVOA_N

ClientSampled :

VN0802WBSD02

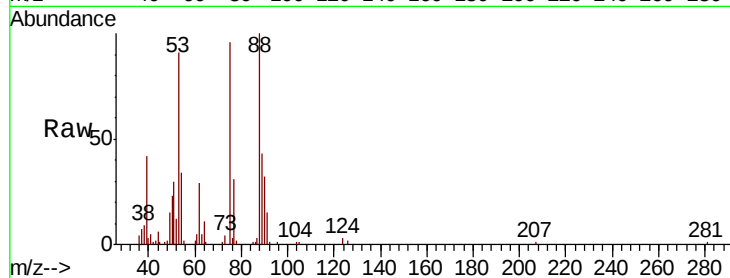
Tot Ion: 75 Resp: 46743

Ion Ratio Lower Upper

75 100

53 97.2 73.5 110.3

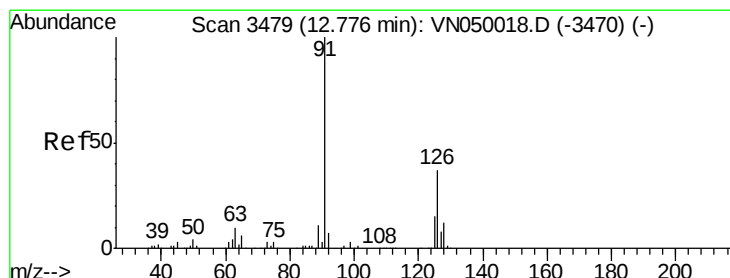
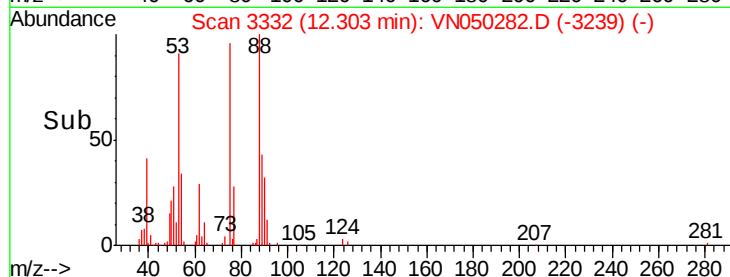
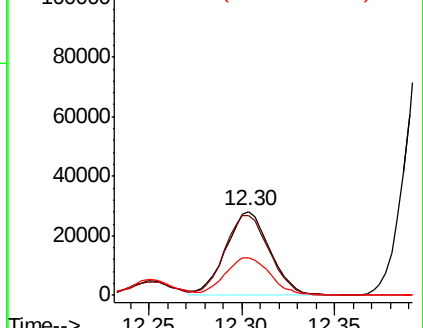
89 45.8 36.0 54.0



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: 22.18 ug/l

RT: 12.78 min Scan# 3479

Delta R.T. 0.00 min

Lab File: VN050282.D

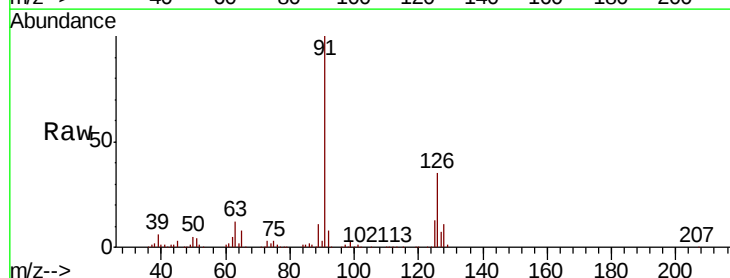
Acq: 2 Aug 2018 23:39

Tgt Ion: 91 Resp: 468120

Ion Ratio Lower Upper

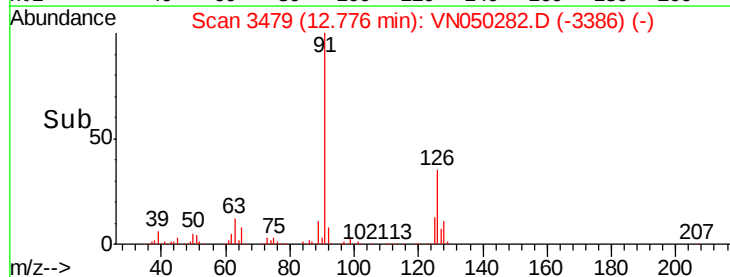
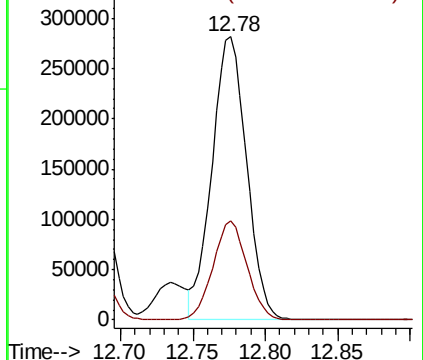
91 100

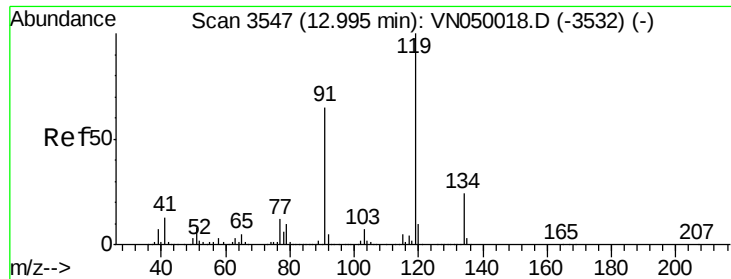
126 34.3 17.0 51.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

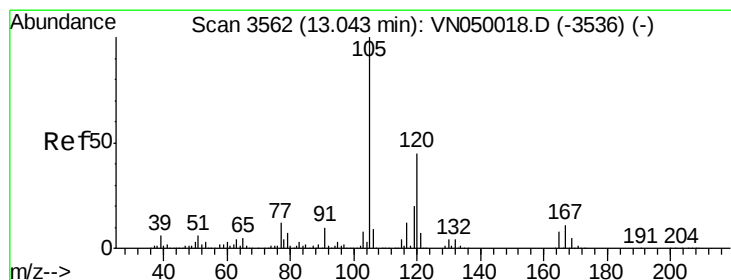
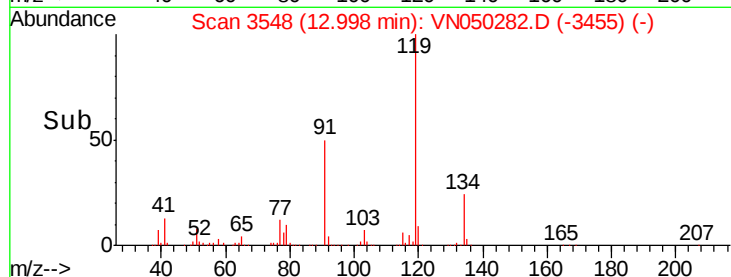
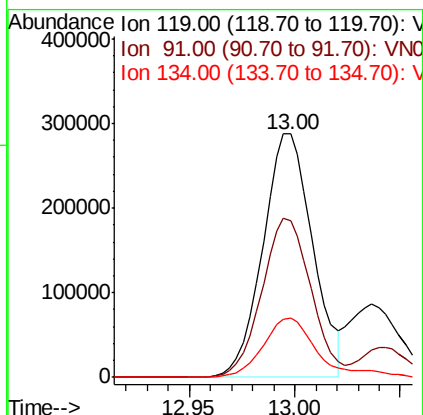
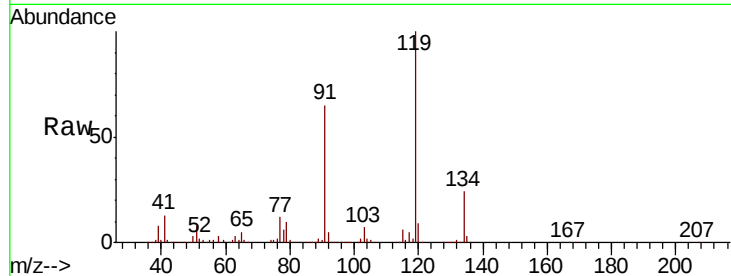




#83
 tert-Butylbenzene
 Concen: 22.41 ug/l
 RT: 13.00 min Scan# 3548
 Delta R.T. 0.00 min
 Lab File: VN050282.D
 Acq: 2 Aug 2018 23:39

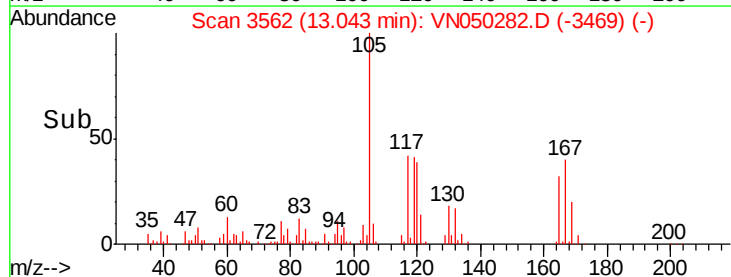
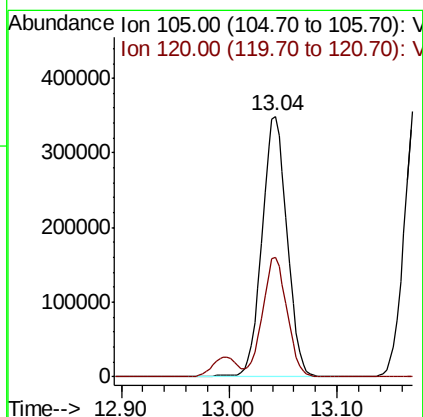
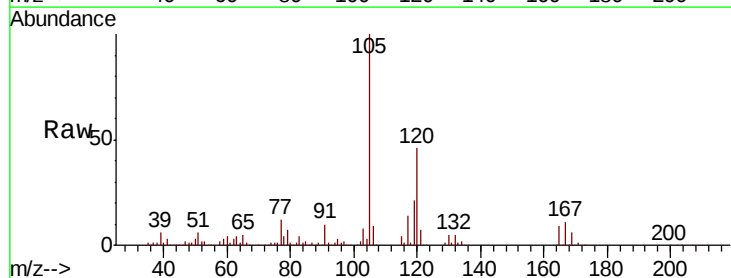
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0802WBSD02

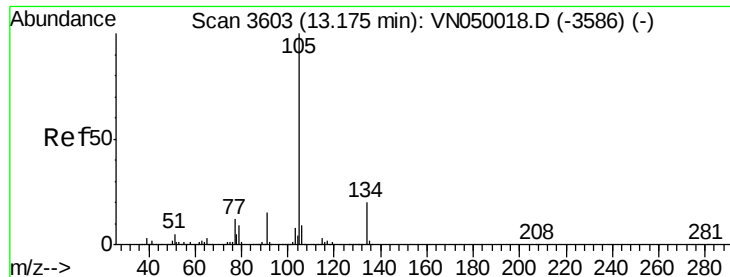
Tot Ion:119 Resp: 473244
 Ion Ratio Lower Upper
 119 100
 91 64.3 32.1 96.3
 134 26.8 13.2 39.5



#84
 1,2,4-Trimethylbenzene
 Concen: 23.02 ug/l
 RT: 13.04 min Scan# 3562
 Delta R.T. 0.00 min
 Lab File: VN050282.D
 Acq: 2 Aug 2018 23:39

Tgt Ion:105 Resp: 561398
 Ion Ratio Lower Upper
 105 100
 120 45.0 22.9 68.7





#85

sec-Butylbenzene

Concen: 22.34 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN050282.D

Acq: 2 Aug 2018 23:39

Instrument :

MSVOA_N

ClientSampleId :

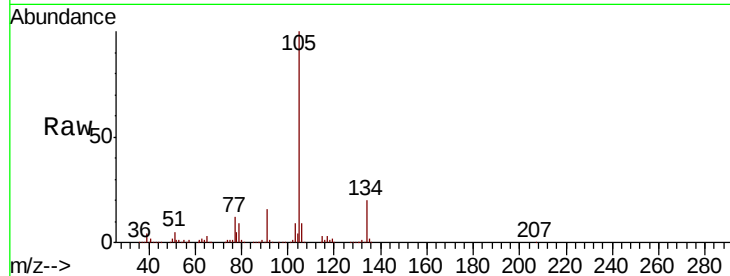
VN0802WBSD02

Tot Ion:105 Resp: 630327

Ion Ratio Lower Upper

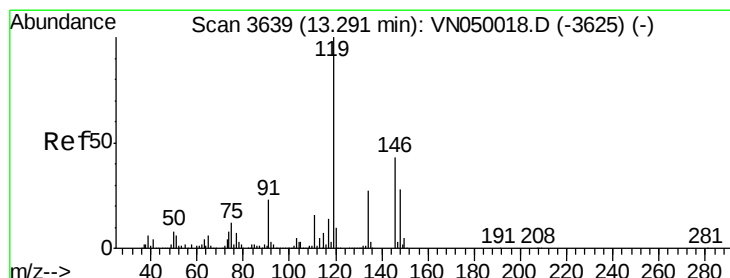
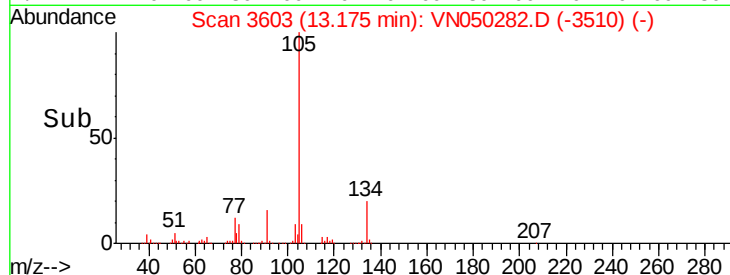
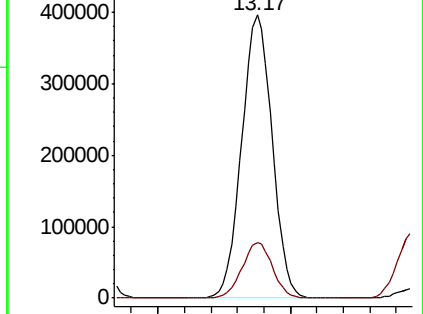
105 100

134 19.6 10.1 30.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 22.36 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050282.D

Acq: 2 Aug 2018 23:39

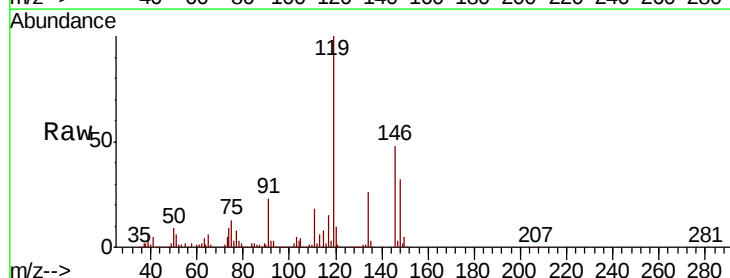
Tgt Ion:119 Resp: 531527

Ion Ratio Lower Upper

119 100

134 26.6 13.3 39.8

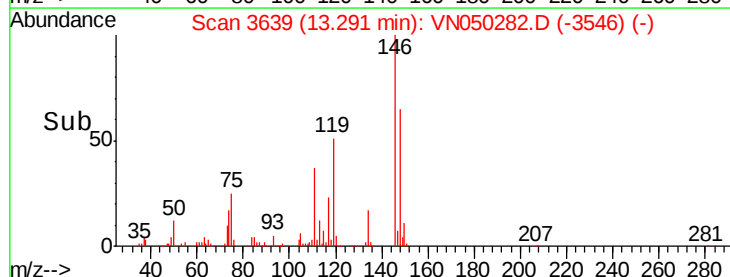
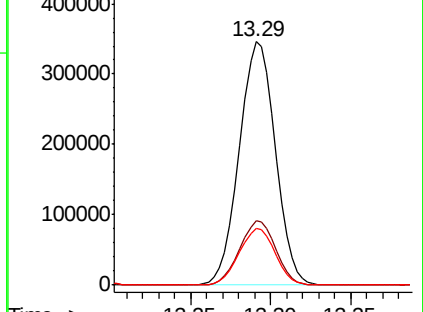
91 23.5 11.4 34.2

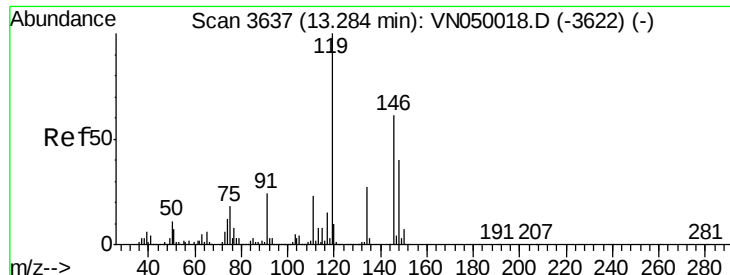


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

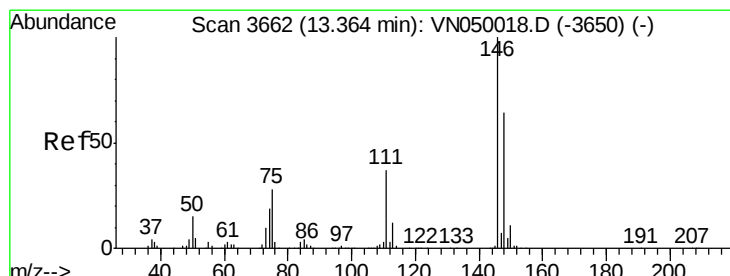
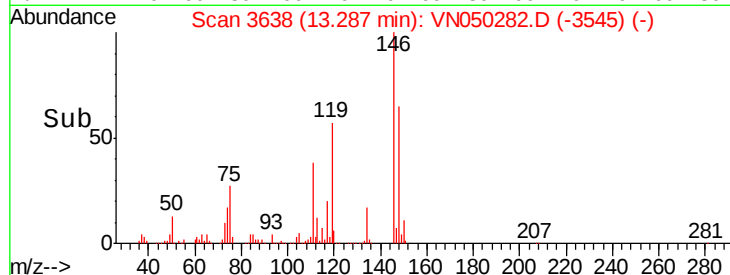
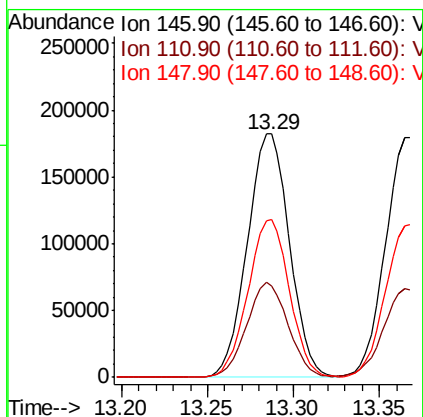
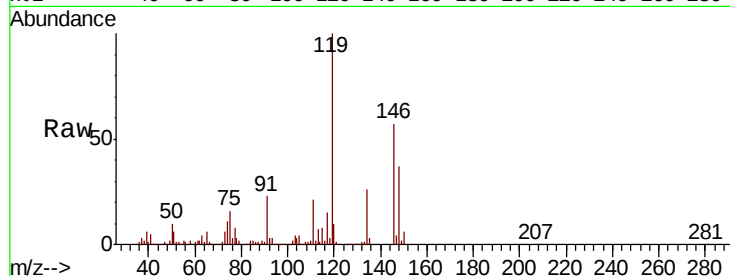




#87
 1,3-Dichlorobenzene
 Concen: 21.36 ug/l
 RT: 13.29 min Scan# 3638
 Delta R.T. 0.00 min
 Lab File: VN050282.D
 Acq: 2 Aug 2018 23:39

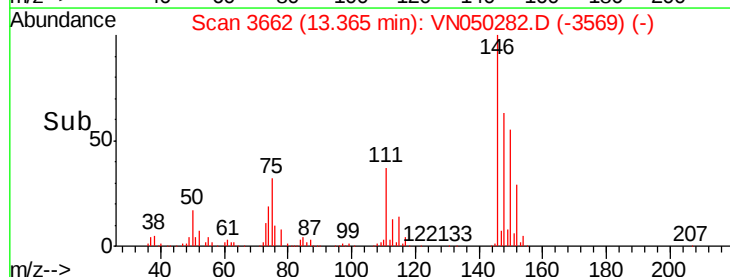
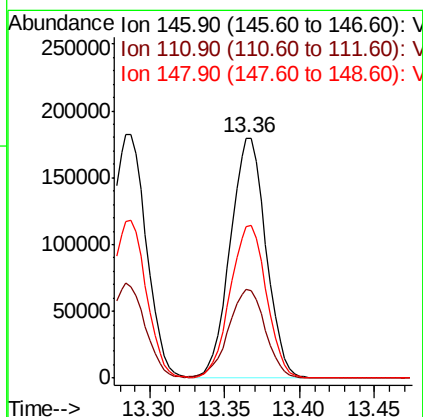
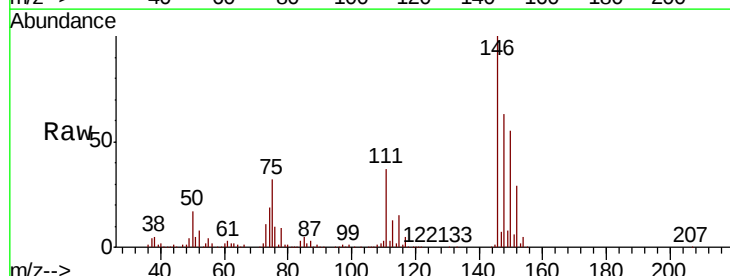
Instrument :
 MSVOA_N
 ClientSampleID :
 VN0802WBSD02

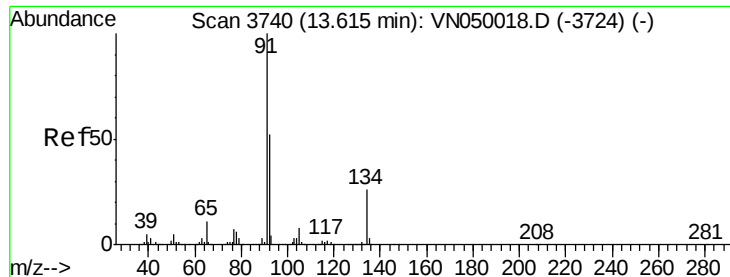
Tot Ion:146 Resp: 308731
 Ion Ratio Lower Upper
 146 100
 111 38.2 18.8 56.4
 148 63.8 31.9 95.9



#88
 1,4-Dichlorobenzene
 Concen: 21.17 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VN050282.D
 Acq: 2 Aug 2018 23:39

Tgt Ion:146 Resp: 298216
 Ion Ratio Lower Upper
 146 100
 111 38.3 18.3 54.9
 148 64.7 31.9 95.9





#89

n-Butylbenzene

Concen: 20.40 ug/l

RT: 13.62 min Scan# 3740

Delta R.T. -0.00 min

Lab File: VN050282.D

Acq: 2 Aug 2018 23:39

Instrument :

MSVOA_N

ClientSampleId :

VN0802WBSD02

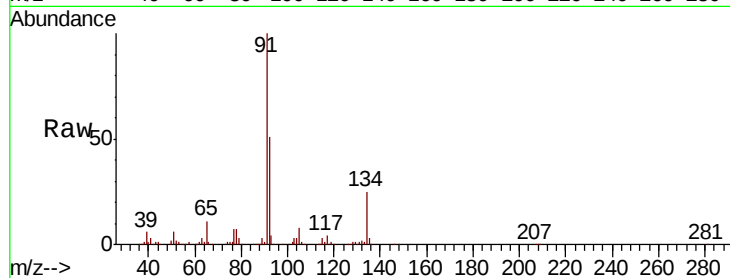
Tot Ion: 91 Resp: 398761

Ion Ratio Lower Upper

91 100

92 50.8 25.8 77.4

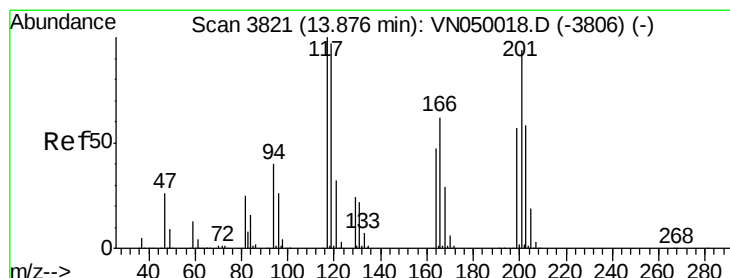
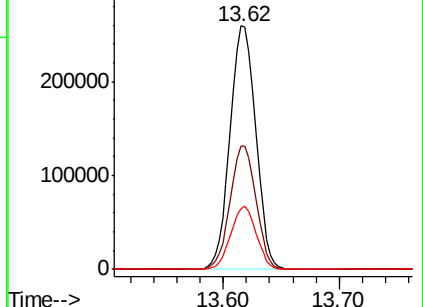
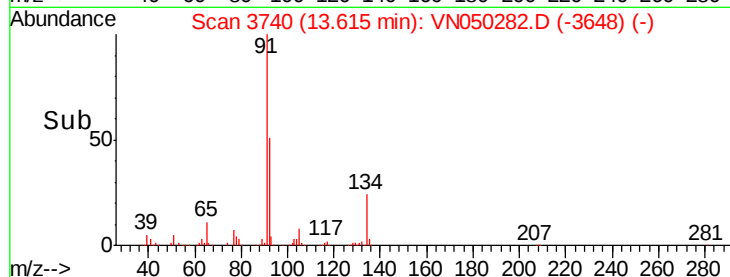
134 25.6 12.8 38.4



Abundance Ion 91.00 (90.70 to 91.70): VN050018.D (-3724) (-)

Ion 92.00 (91.70 to 92.70): VN050018.D (-3724) (-)

Ion 134.00 (133.70 to 134.70): VN050018.D (-3724) (-)



#90

Hexachloroethane

Concen: 20.43 ug/l

RT: 13.88 min Scan# 3821

Delta R.T. 0.00 min

Lab File: VN050282.D

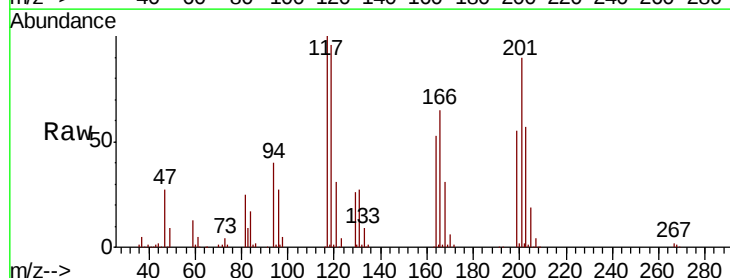
Acq: 2 Aug 2018 23:39

Tgt Ion: 117 Resp: 107843

Ion Ratio Lower Upper

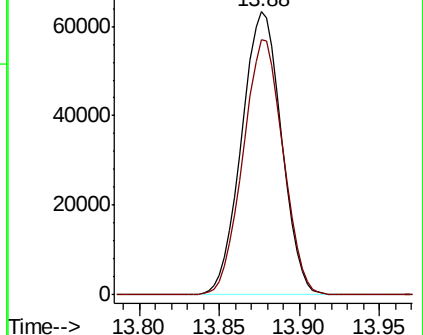
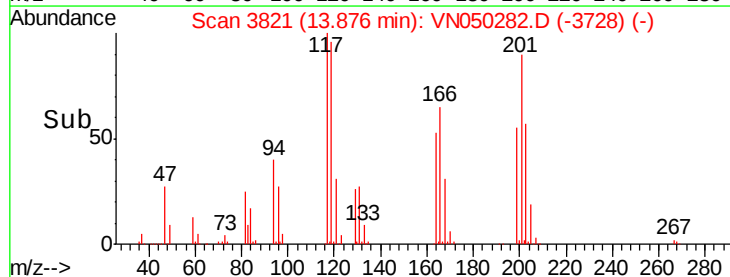
117 100

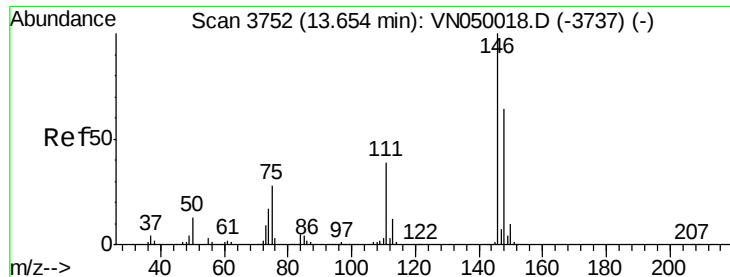
201 90.2 45.6 136.8



Abundance Ion 116.80 (116.50 to 117.50): VN050018.D (-3806) (-)

Ion 200.70 (200.40 to 201.40): VN050018.D (-3806) (-)

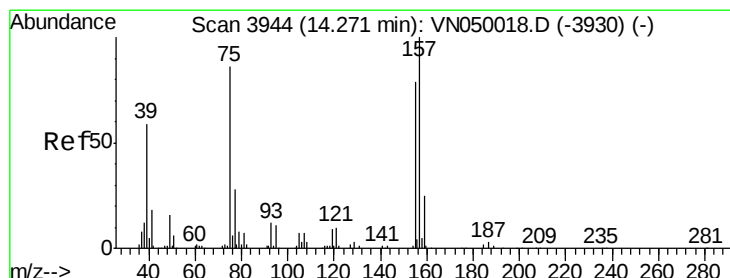
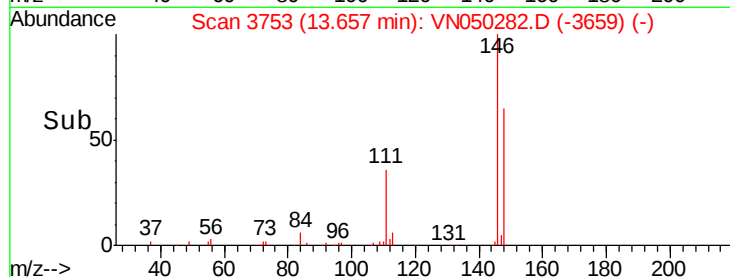
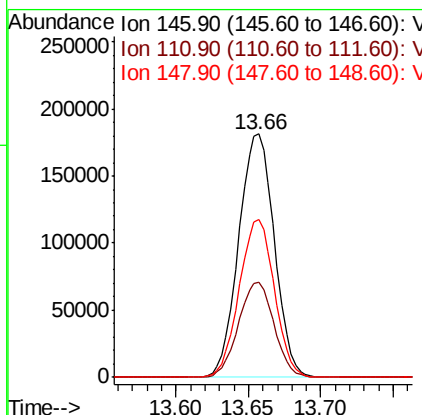
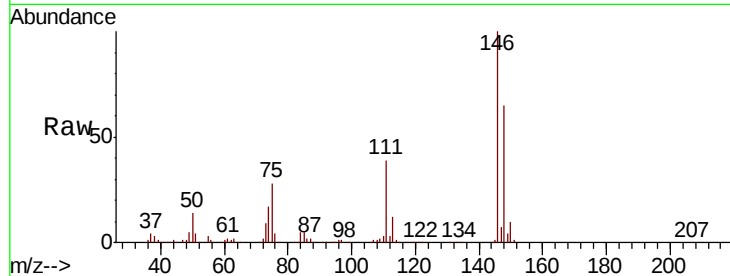




#91
 1,2-Dichlorobenzene
 Concen: 21.43 ug/l
 RT: 13.66 min Scan# 3753
 Delta R.T. 0.00 min
 Lab File: VN050282.D
 Acq: 2 Aug 2018 23:39

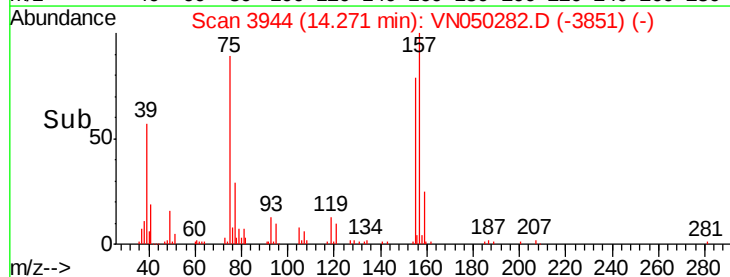
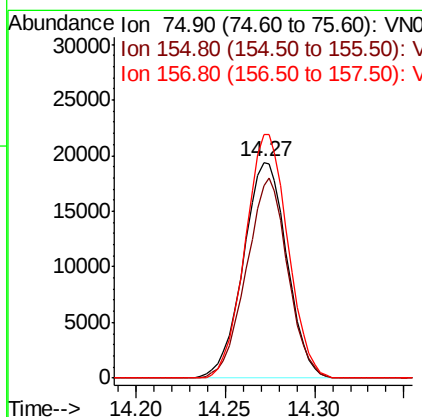
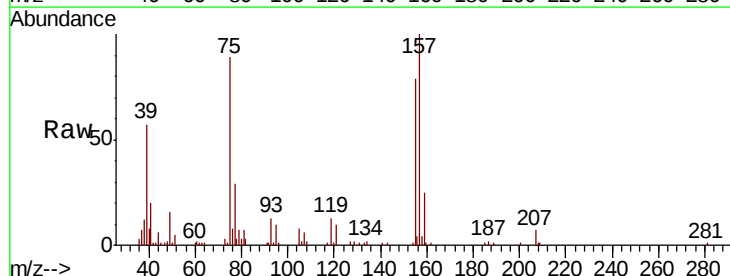
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0802WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.6	58.7
148	63.9	32.1	96.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 23.79 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN050282.D
 Acq: 2 Aug 2018 23:39

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.0	44.8	134.4
157	110.4	57.2	171.6

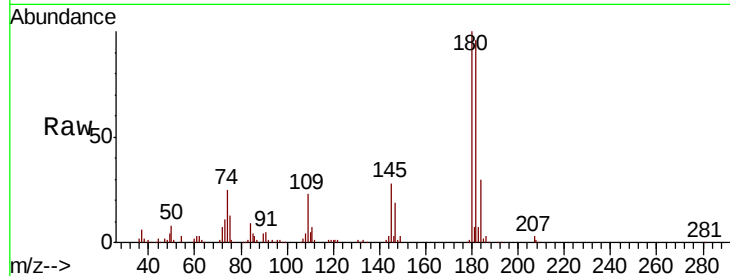




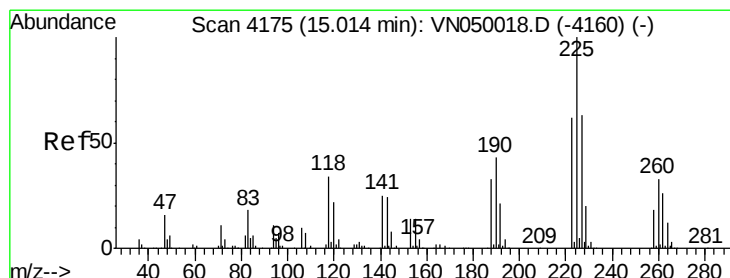
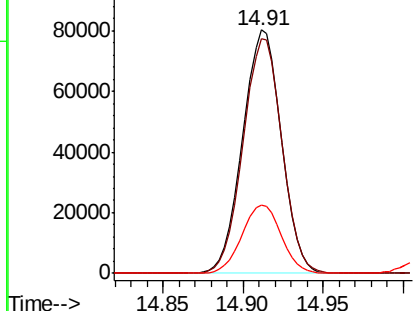
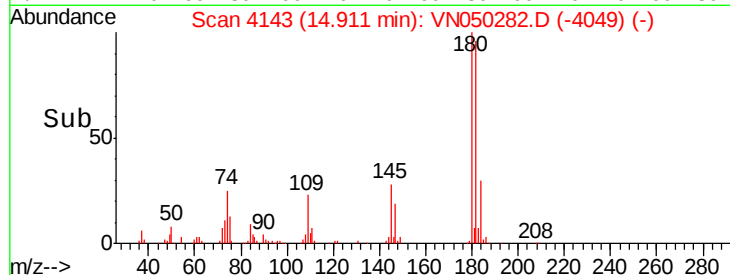
#93
 1,2,4-Trichlorobenzene
 Concen: 19.26 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050282.D
 Acq: 2 Aug 2018 23:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0802WBSD02

Tot Ion:180 Resp: 132095
 Ion Ratio Lower Upper
 180 100
 182 97.0 46.7 140.1
 145 28.5 13.8 41.4

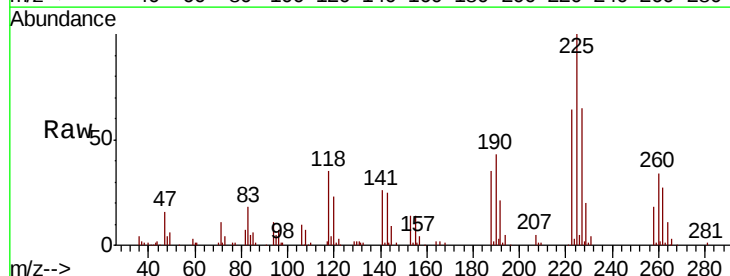


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

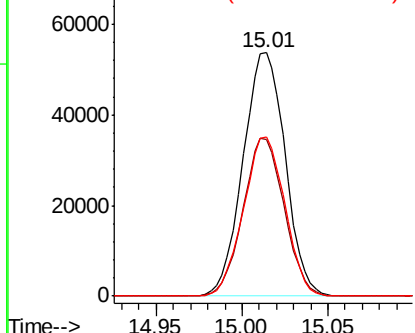
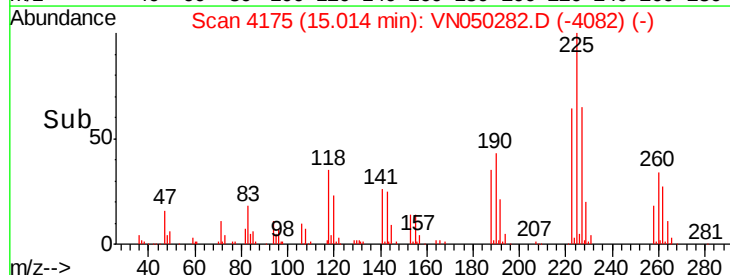


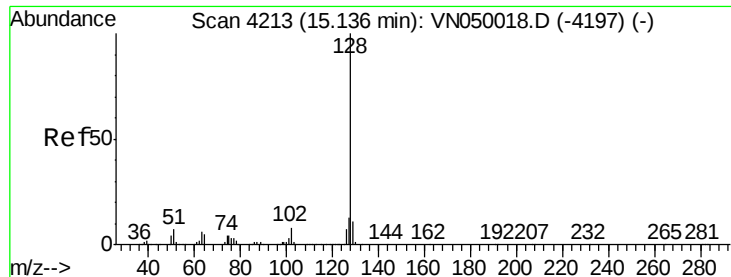
#94
 Hexachlorobutadiene
 Concen: 20.64 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN050282.D
 Acq: 2 Aug 2018 23:39

Tgt Ion:225 Resp: 91291
 Ion Ratio Lower Upper
 225 100
 223 63.3 31.4 94.2
 227 64.1 32.1 96.5



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





#95

Naphthalene

Concen: 19.45 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN050282.D

Acq: 2 Aug 2018 23:39

Instrument :

MSVOA_N

ClientSampleId :

VN0802WBSD02

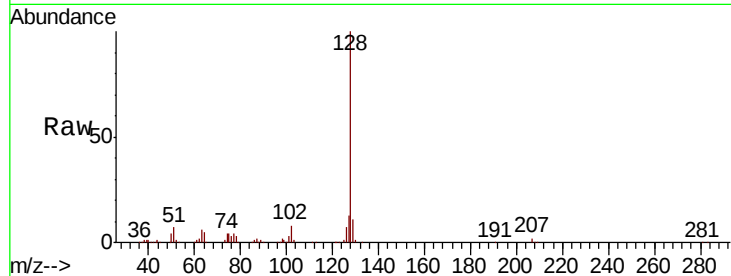
Tot Ion:128 Resp: 298675

Ion Ratio Lower Upper

128 100

127 13.0 10.4 15.6

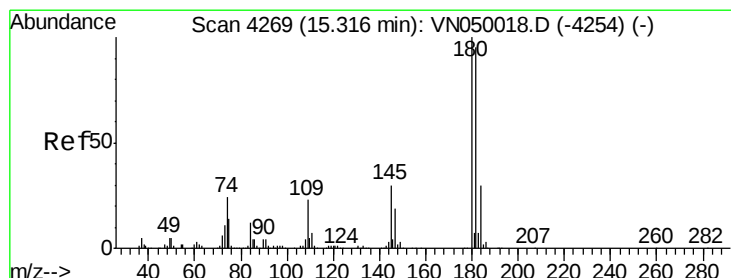
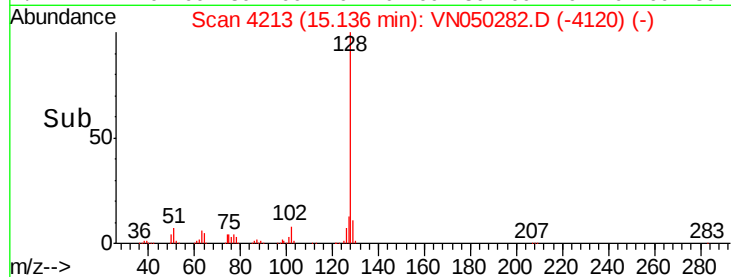
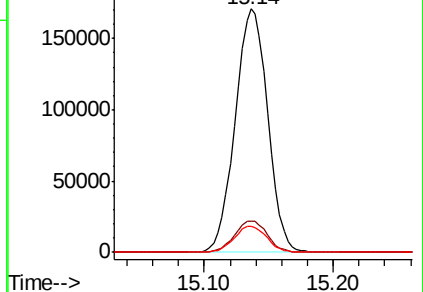
129 10.8 8.8 13.2



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: 20.46 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. -0.00 min

Lab File: VN050282.D

Acq: 2 Aug 2018 23:39

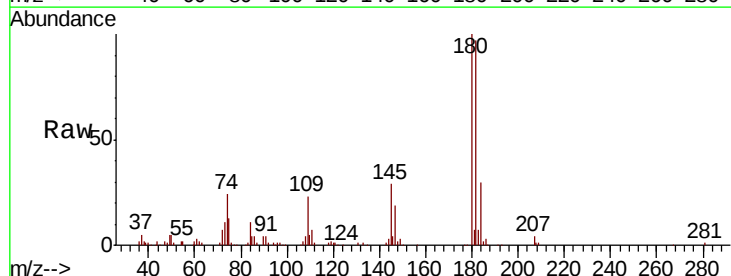
Tgt Ion:180 Resp: 142533

Ion Ratio Lower Upper

180 100

182 96.4 48.1 144.4

145 29.8 15.3 45.9



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

