

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072718\
 Data File : VN050159.D
 Acq On : 28 Jul 2018 4:14
 Operator : MD\SY
 Sample : VN0727WBS03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0727WBS03

Quant Time: Jul 30 01:52:22 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	593430	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	909306	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	809168	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	398224	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	422237	51.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.00%	
35) Dibromofluoromethane	7.59	113	377607	50.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.72%	
50) Toluene-d8	10.09	98	1385319	50.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.50%	
62) 4-Bromofluorobenzene	12.40	95	440837	49.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	173566	20.36	ug/l	99
3) Chloromethane	2.06	50	169583	18.30	ug/l	99
4) Vinyl Chloride	2.18	62	181194	18.56	ug/l	98
5) Bromomethane	2.56	94	70169	12.19	ug/l	100
6) Chloroethane	2.70	64	108743	18.55	ug/l	97
7) Trichlorofluoromethane	3.01	101	239145	18.91	ug/l	99
8) Diethyl Ether	3.41	74	79436	18.84	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.76	101	143770	18.91	ug/l	99
10) Methyl Iodide	3.95	142	91309	9.36	ug/l	100
11) Tert butyl alcohol	4.80	59	50353	82.65	ug/l #	92
12) 1,1-Dichloroethene	3.73	96	126362	18.48	ug/l	96
13) Acrolein	3.61	56	21378	43.68	ug/l	98
14) Allyl chloride	4.33	41	192004	18.10	ug/l	98
15) Acrylonitrile	5.00	53	239585	90.14	ug/l	99
16) Acetone	3.82	43	180747	89.90	ug/l	99
17) Carbon Disulfide	4.05	76	367496	17.54	ug/l	100
18) Methyl Acetate	4.33	43	165085	20.81	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	351062	19.26	ug/l	100
20) Methylene Chloride	4.55	84	153086	20.10	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	136889	18.89	ug/l	99
22) Diisopropyl ether	5.96	45	440008	20.92	ug/l	95
23) Vinyl Acetate	5.90	43	1369938	92.18	ug/l	99
24) 1,1-Dichloroethane	5.85	63	269263	19.58	ug/l	99
25) 2-Butanone	6.84	43	276282	87.48	ug/l	99
26) 2,2-Dichloropropane	6.82	77	120463	11.52	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	152638	19.56	ug/l	96
28) Bromochloromethane	7.20	49	120423	19.20	ug/l	99
29) Tetrahydrofuran	7.22	42	179906	88.16	ug/l	99
30) Chloroform	7.37	83	273237	19.47	ug/l	96
31) Cyclohexane	7.66	56	216683	18.96	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	230897	19.24	ug/l	99
36) 1,1-Dichloropropene	7.80	75	195991	19.13	ug/l	99
37) Ethyl Acetate	6.93	43	126096	17.65	ug/l	99
38) Carbon Tetrachloride	7.78	117	201436	18.53	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072718\
 Data File : VN050159.D
 Acq On : 28 Jul 2018 4:14
 Operator : MD\SY
 Sample : VN0727WBS03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0727WBS03

Quant Time: Jul 30 01:52:22 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)
39) Methylcyclohexane	9.08	83	190501	18.08	ug/l	99
40) Benzene	8.04	78	599317	19.22	ug/l	99
41) Methacrylonitrile	7.18	41	67888	19.99	ug/l #	77
42) 1,2-Dichloroethane	8.13	62	195279	18.78	ug/l	100
43) Isopropyl Acetate	8.17	43	262682	18.80	ug/l	94
44) Trichloroethene	8.84	130	155181	18.53	ug/l	99
45) 1,2-Dichloropropane	9.12	63	161495	19.56	ug/l	96
46) Dibromomethane	9.21	93	96235	18.77	ug/l	99
47) Bromodichloromethane	9.41	83	205964	19.03	ug/l	100
48) Methyl methacrylate	9.20	41	111424	18.11	ug/l	100
49) 1,4-Dioxane	9.20	88	28364	338.82	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	631894	89.99	ug/l	99
52) Toluene	10.16	92	366836	19.94	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	178571	17.49	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	210683	18.05	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	141581	19.40	ug/l	98
56) Ethyl methacrylate	10.43	69	161712	17.72	ug/l	99
57) 1,3-Dichloropropane	10.71	76	228971	19.26	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	369064	85.70	ug/l	99
59) 2-Hexanone	10.75	43	408049	82.62	ug/l	98
60) Dibromochloromethane	10.90	129	151084	18.70	ug/l	99
61) 1,2-Dibromoethane	11.01	107	132503	18.30	ug/l	99
64) Tetrachloroethene	10.63	164	152389	19.59	ug/l	99
65) Chlorobenzene	11.44	112	396075	19.38	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	147617	18.80	ug/l	97
67) Ethyl Benzene	11.51	91	643337	19.59	ug/l	100
68) m/p-Xylenes	11.62	106	505804	40.73	ug/l	99
69) o-Xylene	11.95	106	240050	20.28	ug/l	99
70) Styrene	11.97	104	381314	18.70	ug/l	99
71) Bromoform	12.13	173	105155	18.41	ug/l #	99
73) Isopropylbenzene	12.25	105	634356	20.54	ug/l	99
74) N-amyl acetate	12.07	43	169677	17.98	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	172397	19.83	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	197606	26.70	ug/l #	100
77) Bromobenzene	12.53	156	166334	19.43	ug/l	99
78) n-propylbenzene	12.59	91	718222	20.81	ug/l	100
79) 2-Chlorotoluene	12.68	91	443187	20.71	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	522418	21.50	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	35260	15.11	ug/l	93
82) 4-Chlorotoluene	12.78	91	440316	20.78	ug/l	99
83) tert-Butylbenzene	13.00	119	441718	20.84	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	529662	21.63	ug/l	100
85) sec-Butylbenzene	13.17	105	591471	20.88	ug/l	100
86) p-Isopropyltoluene	13.29	119	495861	20.77	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	282713	19.48	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	274385	19.40	ug/l	99
89) n-Butylbenzene	13.62	91	372013	18.95	ug/l	99
90) Hexachloroethane	13.88	117	100594	18.98	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	284248	19.60	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	25589	18.08	ug/l	98

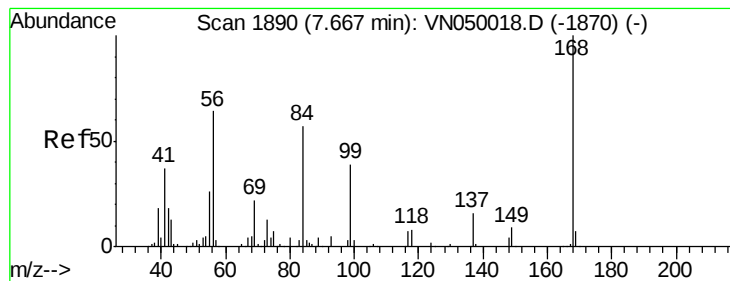
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072718\
Data File : VN050159.D
Acq On : 28 Jul 2018 4:14
Operator : MD\SY
Sample : VN0727WBS03
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0727WBS03

Quant Time: Jul 30 01:52:22 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)
93) 1,2,4-Trichlorobenzene	14.91	180	113758	16.96	ug/l	98
94) Hexachlorobutadiene	15.01	225	81806	18.42	ug/l	99
95) Naphthalene	15.14	128	231176	16.00	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	118705	17.35	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN050159.D

Acq: 28 Jul 2018 4:14

Instrument :

MSVOA_N

ClientSampled :

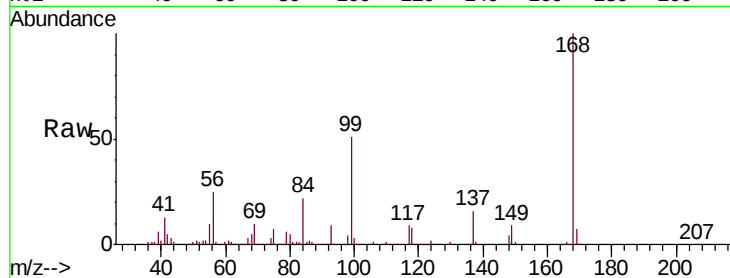
VN0727WBS03

Tot Ion:168 Resp: 593430

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): VNO

7.67

250000

200000

150000

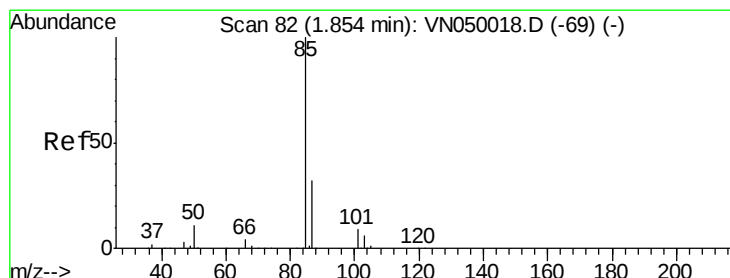
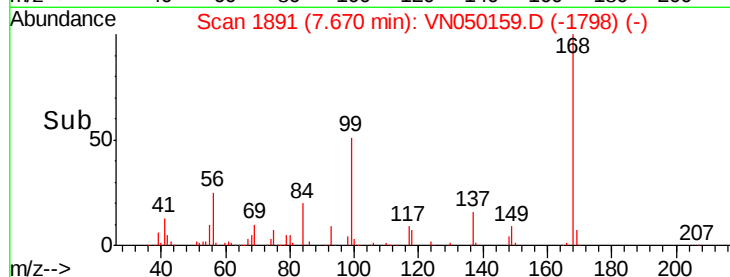
100000

50000

0

7.60 7.65 7.70 7.75

Time-->



#2

Dichlorodifluoromethane

Concen: 20.36 ug/l

RT: 1.85 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN050159.D

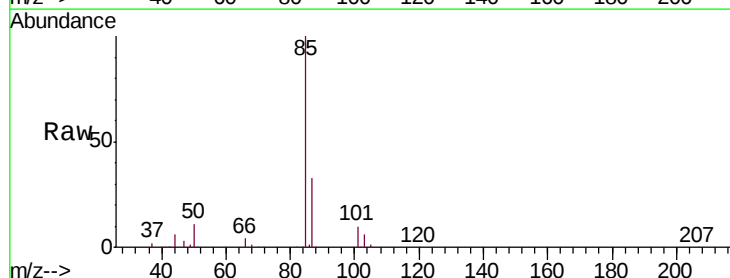
Acq: 28 Jul 2018 4:14

Tgt Ion: 85 Resp: 173566

Ion Ratio Lower Upper

85 100

87 32.7 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

150000

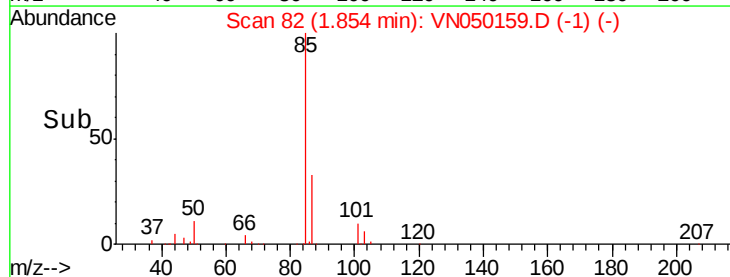
100000

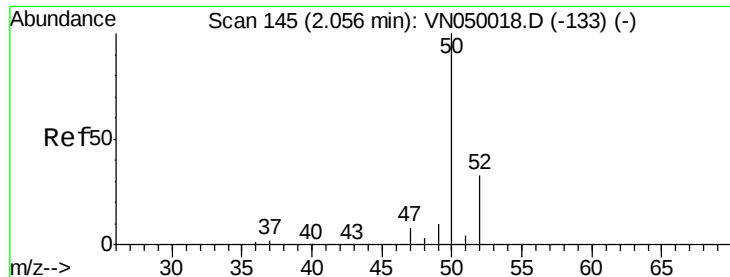
50000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 18.30 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN050159.D

Acq: 28 Jul 2018 4:14

Instrument :

MSVOA_N

ClientSampleId :

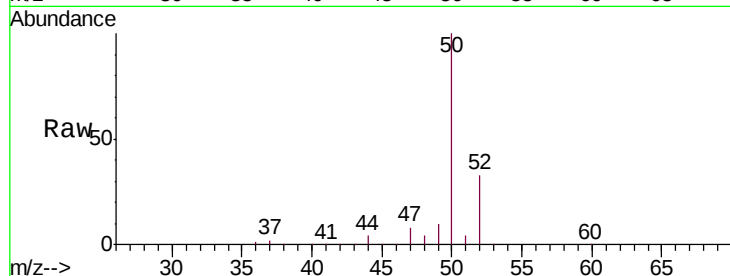
VN0727WBS03

Tot Ion: 50 Resp: 169583

Ion Ratio Lower Upper

50 100

52 33.2 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.06

150000

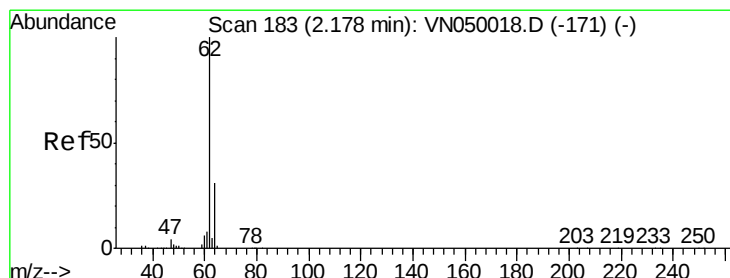
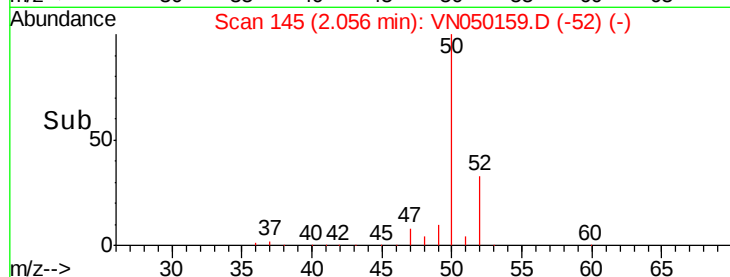
100000

50000

0

Time-->

2.00 2.05 2.10



#4

Vinyl Chloride

Concen: 18.56 ug/l

RT: 2.18 min Scan# 184

Delta R.T. 0.00 min

Lab File: VN050159.D

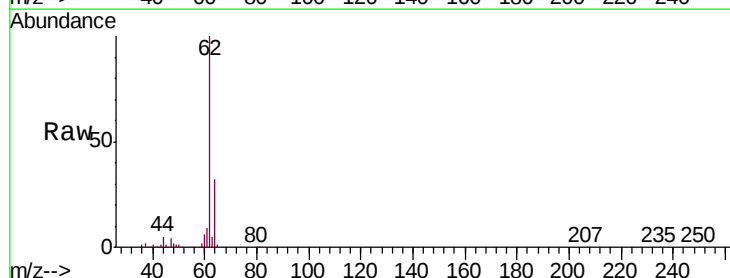
Acq: 28 Jul 2018 4:14

Tgt Ion: 62 Resp: 181194

Ion Ratio Lower Upper

62 100

64 32.0 24.7 37.1



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO

2.18

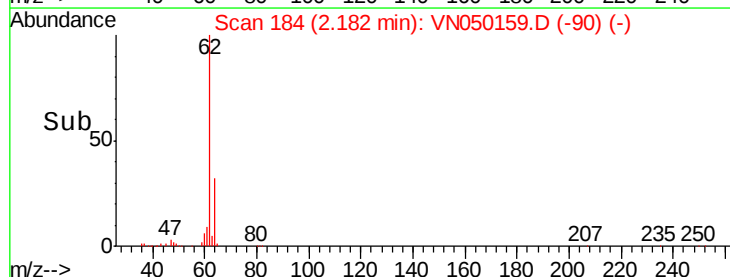
100000

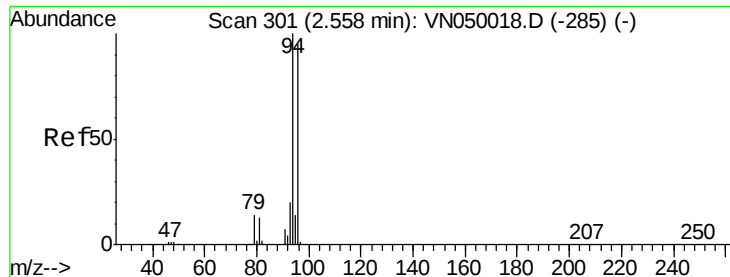
50000

0

Time-->

2.10 2.15 2.20 2.25





#5

Bromomethane

Concen: 12.19 ug/l

RT: 2.56 min Scan# 303

Delta R.T. 0.01 min

Lab File: VN050159.D

Acq: 28 Jul 2018 4:14

Instrument :

MSVOA_N

ClientSampleId :

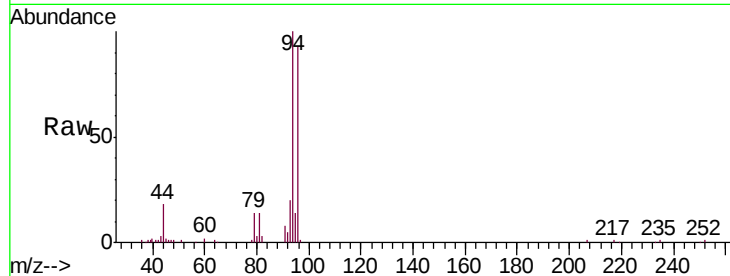
VN0727WBS03

Tot Ion: 94 Resp: 70169

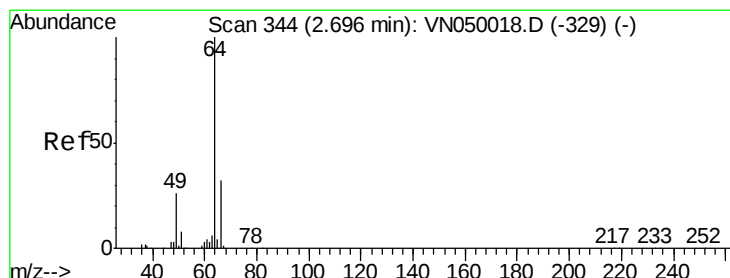
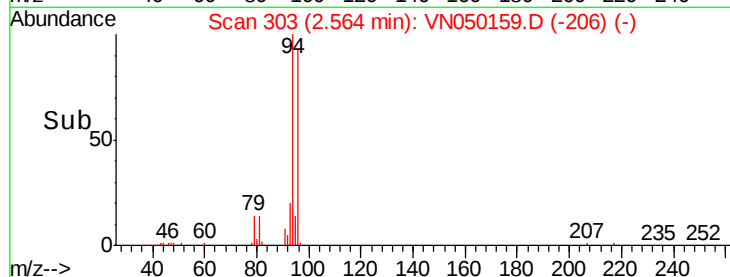
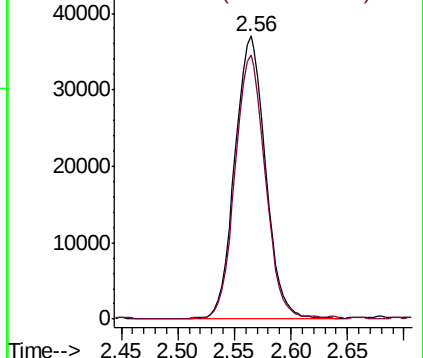
Ion Ratio Lower Upper

94 100

96 93.4 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VNO
Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 18.55 ug/l

RT: 2.70 min Scan# 345

Delta R.T. 0.01 min

Lab File: VN050159.D

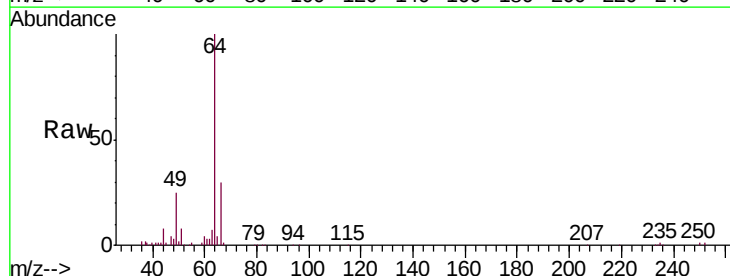
Acq: 28 Jul 2018 4:14

Tgt Ion: 64 Resp: 108743

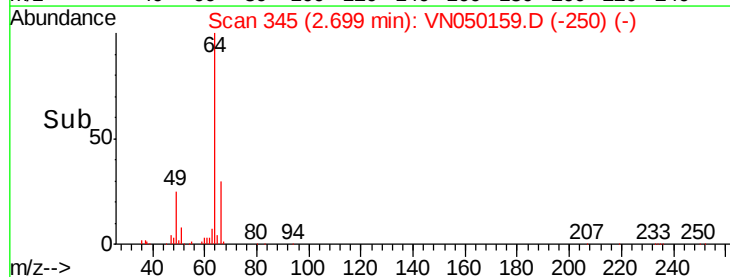
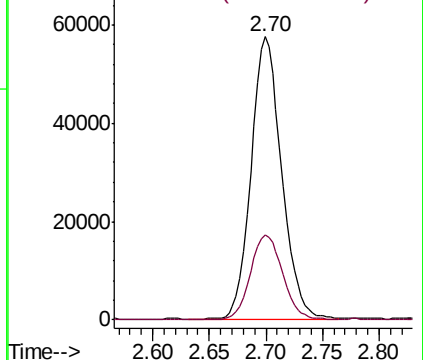
Ion Ratio Lower Upper

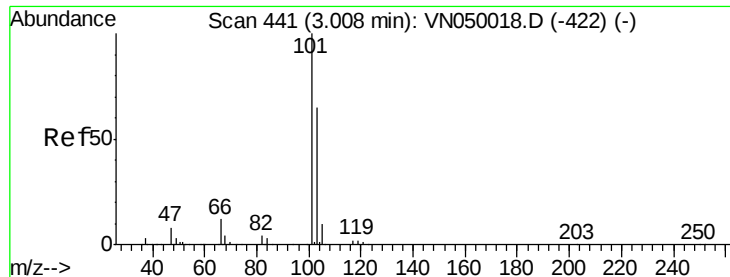
64 100

66 29.9 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VNO
Ion 65.90 (65.60 to 66.60): VNO





#7

Trichlorofluoromethane

Concen: 18.91 ug/l

RT: 3.01 min Scan# 442

Delta R.T. 0.00 min

Lab File: VN050159.D

Acq: 28 Jul 2018 4:14

Instrument :

MSVOA_N

ClientSampleId :

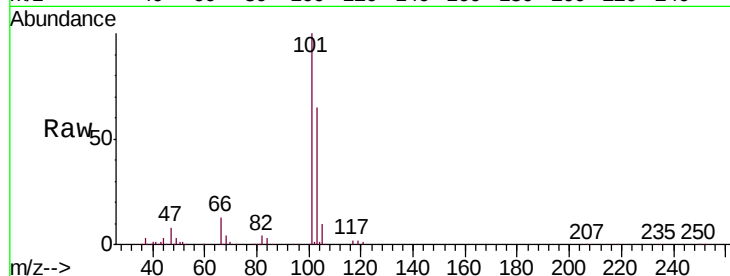
VN0727WBS03

Tot Ion:101 Resp: 239145

Ion Ratio Lower Upper

101 100

103 65.4 51.7 77.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

3.01

120000

100000

80000

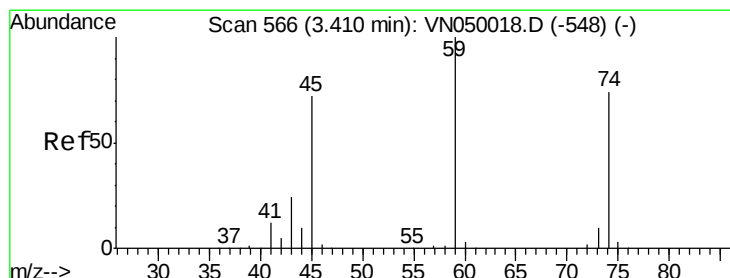
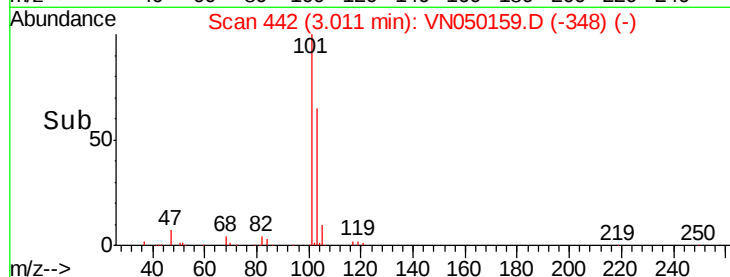
60000

40000

20000

0

Time--> 2.90 3.00 3.10



#8

Diethyl Ether

Concen: 18.84 ug/l

RT: 3.41 min Scan# 567

Delta R.T. 0.00 min

Lab File: VN050159.D

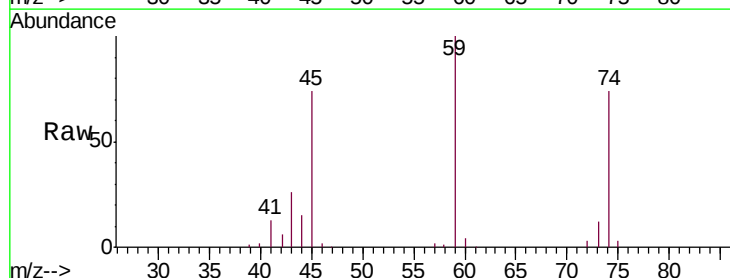
Acq: 28 Jul 2018 4:14

Tgt Ion: 74 Resp: 79436

Ion Ratio Lower Upper

74 100

45 100.0 47.6 142.8



Abundance Ion 74.00 (73.70 to 74.70): VNO

Ion 45.00 (44.70 to 45.70): VNO

3.41

40000

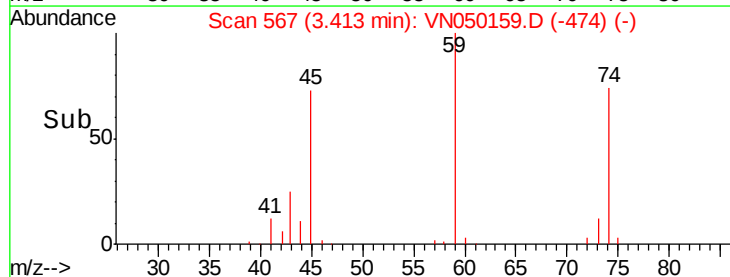
30000

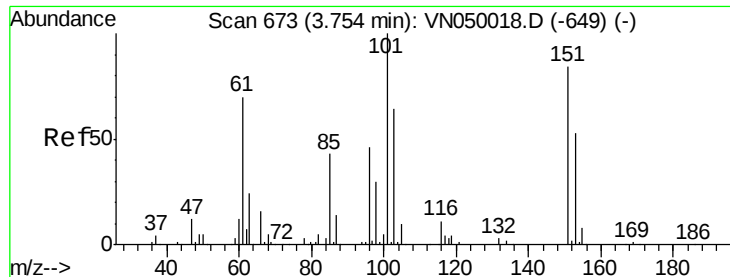
20000

10000

0

Time--> 3.30 3.35 3.40 3.45 3.50





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.91 ug/l

RT: 3.76 min Scan# 674

Delta R.T. 0.00 min

Lab File: VN050159.D

Acq: 28 Jul 2018 4:14

Instrument :

MSVOA_N

ClientSampleId :

VN0727WBS03

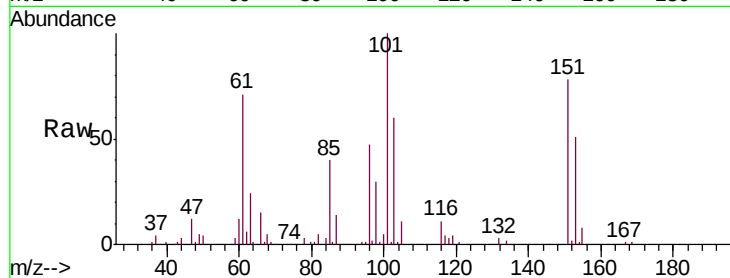
Tot Ion:101 Resp: 143770

Ion Ratio Lower Upper

101 100

85 42.5 34.2 51.2

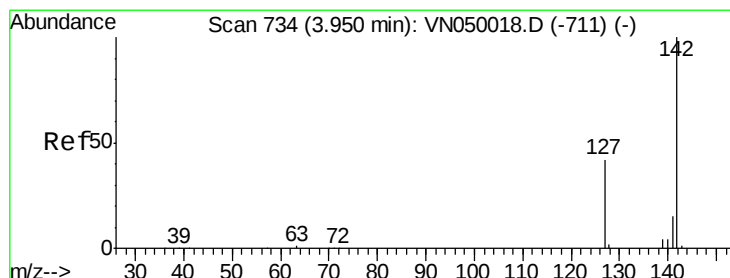
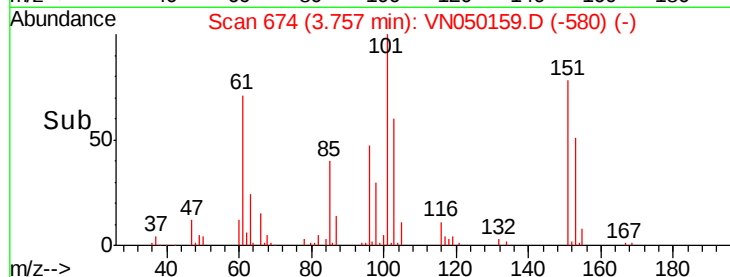
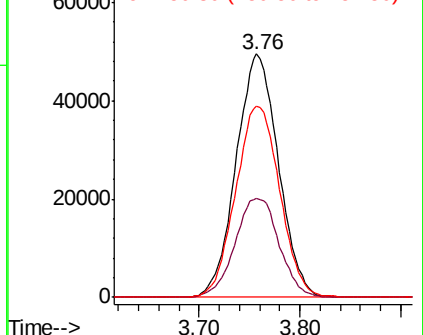
151 82.3 66.3 99.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 9.36 ug/l

RT: 3.95 min Scan# 734

Delta R.T. 0.00 min

Lab File: VN050159.D

Acq: 28 Jul 2018 4:14

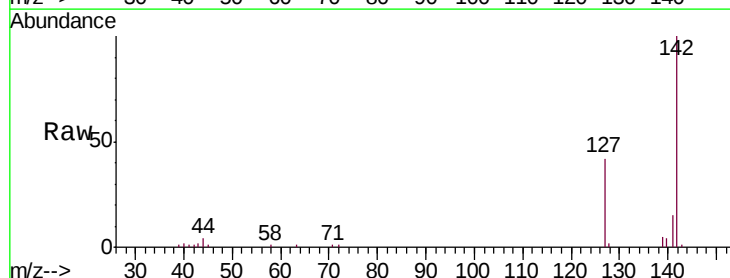
Tgt Ion:142 Resp: 91309

Ion Ratio Lower Upper

142 100

127 41.7 33.4 50.2

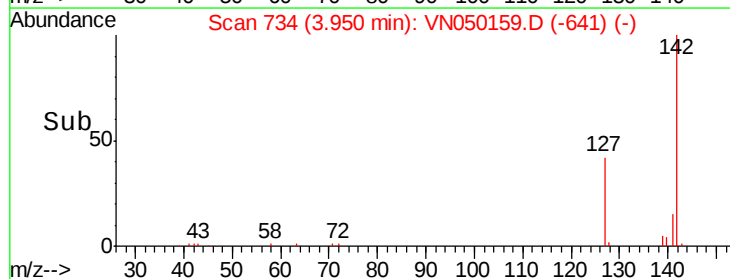
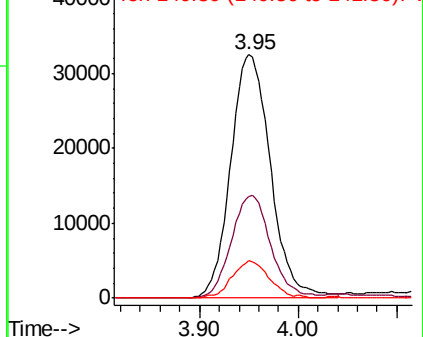
141 13.9 11.6 17.4

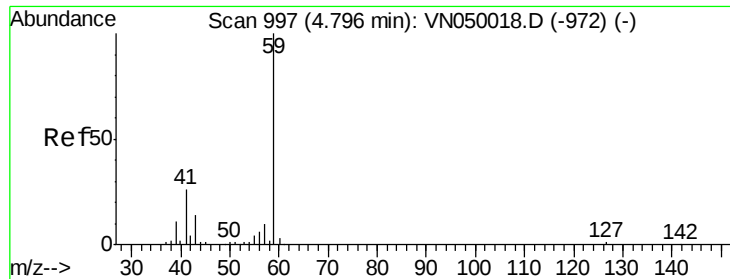


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

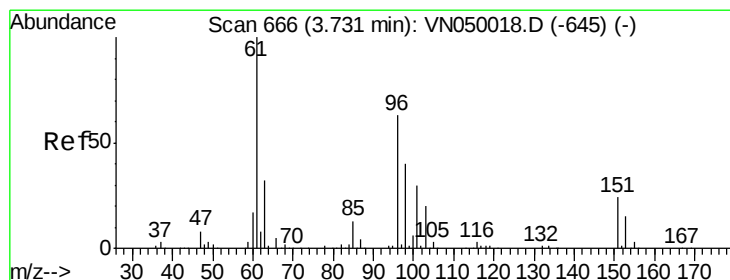
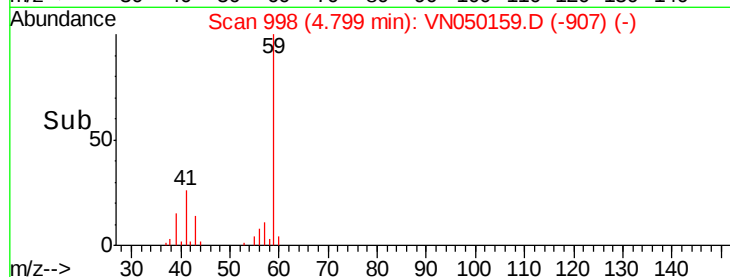
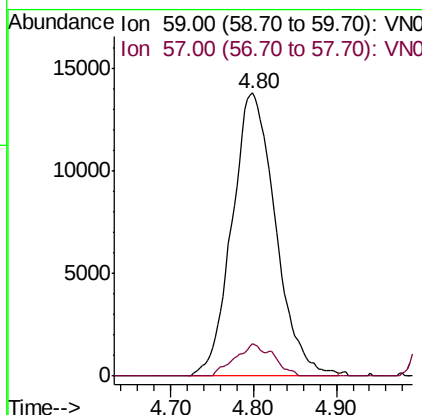
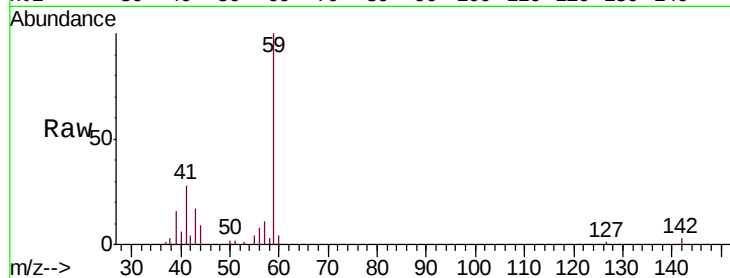




#11
Tert butyl alcohol
Concen: 82.65 ug/l
RT: 4.80 min Scan# 998
Delta R.T. -0.01 min
Lab File: VN050159.D
Acq: 28 Jul 2018 4:14

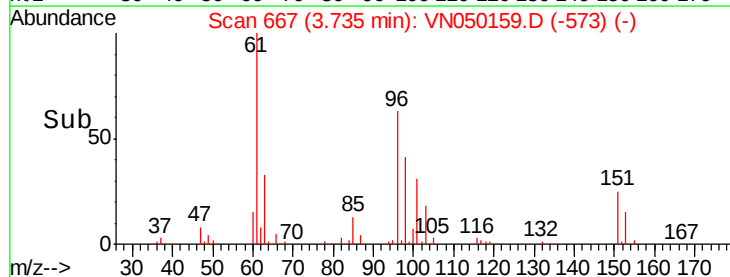
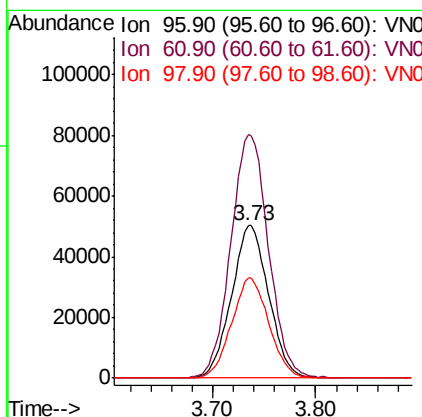
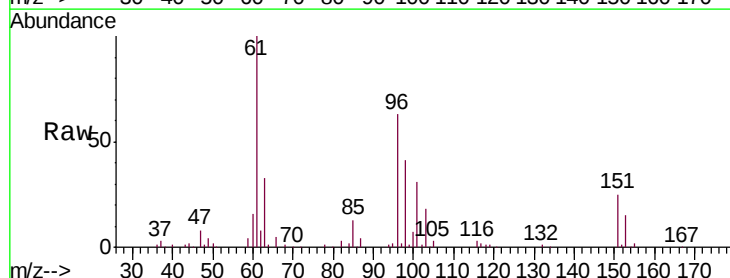
Instrument :
MSVOA_N
ClientSampleId :
VN0727WBS03

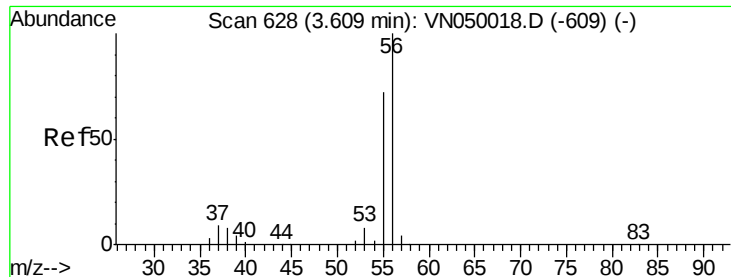
Tot Ion: 59 Resp: 50353
Ion Ratio Lower Upper
59 100
57 7.4 8.5 12.7#



#12
1,1-Dichloroethene
Concen: 18.48 ug/l
RT: 3.73 min Scan# 667
Delta R.T. 0.00 min
Lab File: VN050159.D
Acq: 28 Jul 2018 4:14

Tgt Ion: 96 Resp: 126362
Ion Ratio Lower Upper
96 100
61 159.0 124.4 186.6
98 65.8 48.3 72.5





#13

Acrolein

Concen: 43.68 ug/l

RT: 3.61 min Scan# 629

Delta R.T. 0.00 min

Lab File: VN050159.D

Acq: 28 Jul 2018 4:14

Instrument :

MSVOA_N

ClientSampleId :

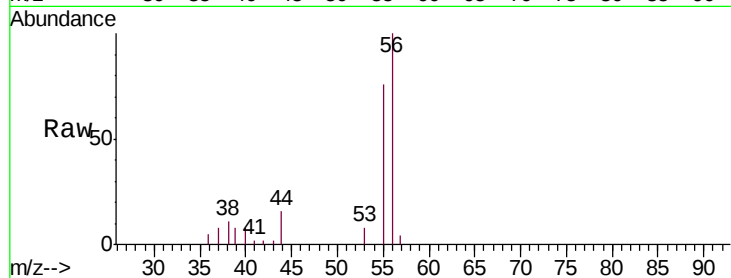
VN0727WBS03

Tot Ion: 56 Resp: 21378

Ion Ratio Lower Upper

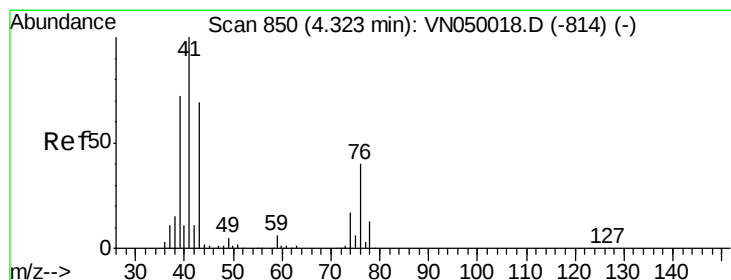
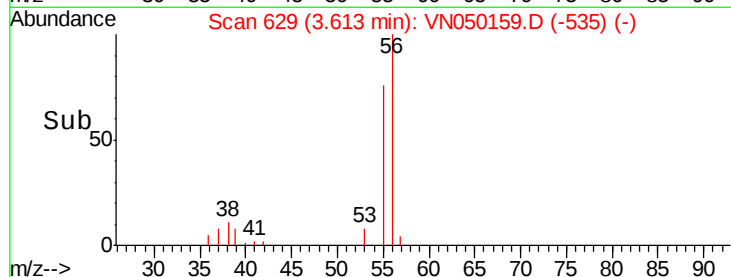
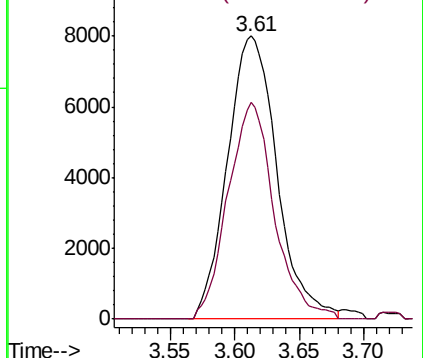
56 100

55 71.6 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: 18.10 ug/l

RT: 4.33 min Scan# 851

Delta R.T. 0.00 min

Lab File: VN050159.D

Acq: 28 Jul 2018 4:14

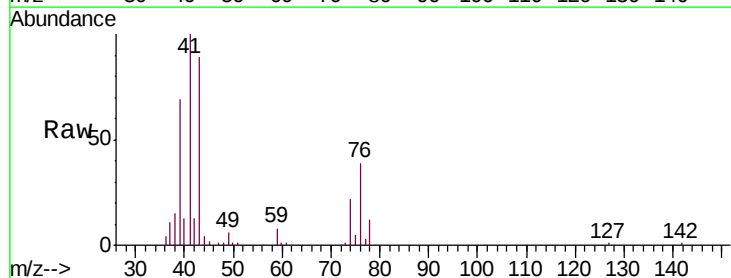
Tgt Ion: 41 Resp: 192004

Ion Ratio Lower Upper

41 100

39 65.3 54.2 81.4

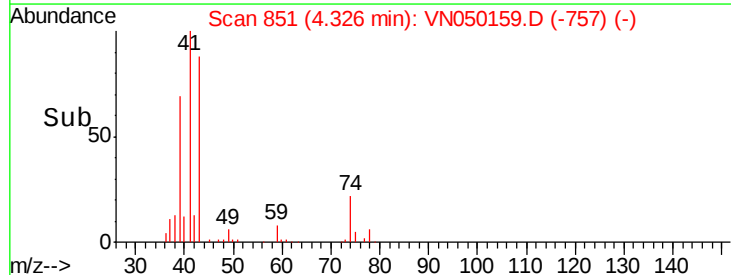
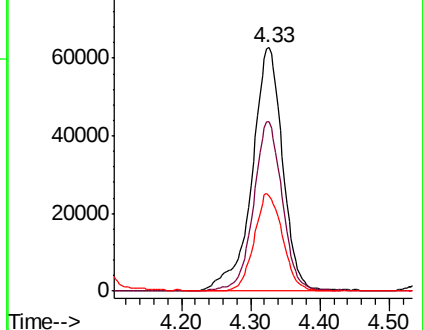
76 37.0 29.0 43.6

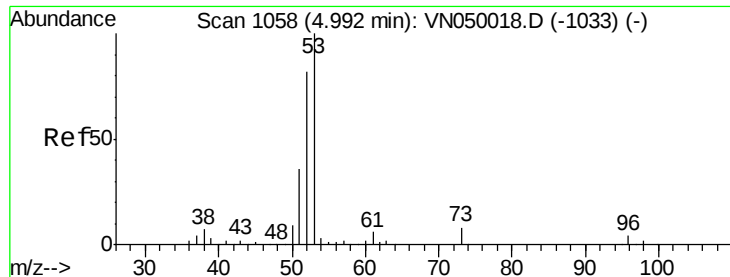


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 90.14 ug/l

RT: 5.00 min Scan# 1060

Delta R.T. 0.00 min

Lab File: VN050159.D

Acq: 28 Jul 2018 4:14

Instrument :

MSVOA_N

ClientSampleId :

VN0727WBS03

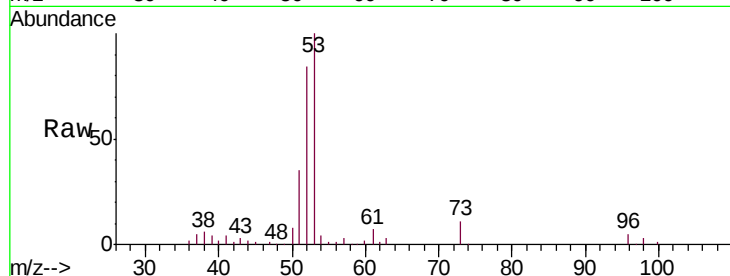
Tot Ion: 53 Resp: 239585

Ion Ratio Lower Upper

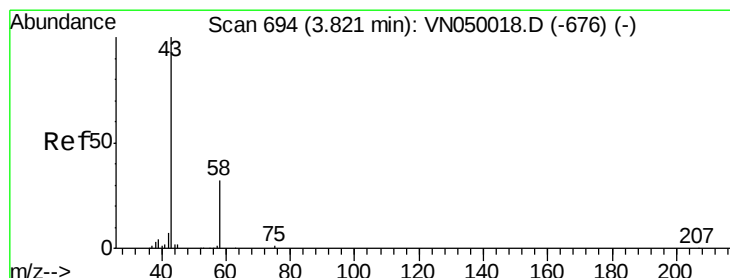
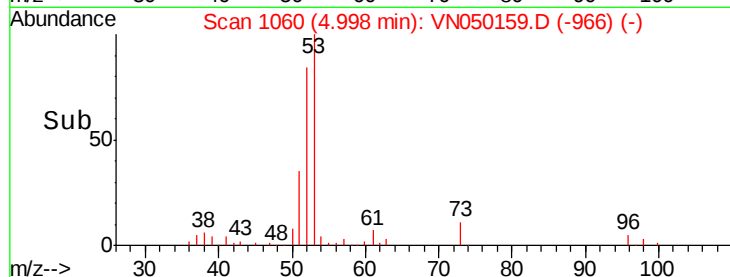
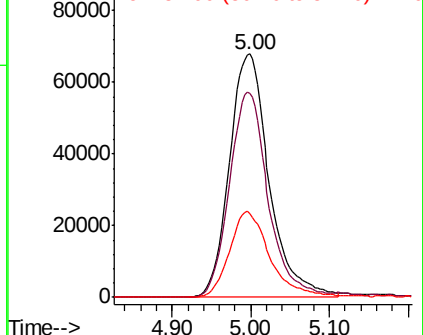
53 100

52 81.9 66.2 99.2

51 35.9 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: 89.90 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN050159.D

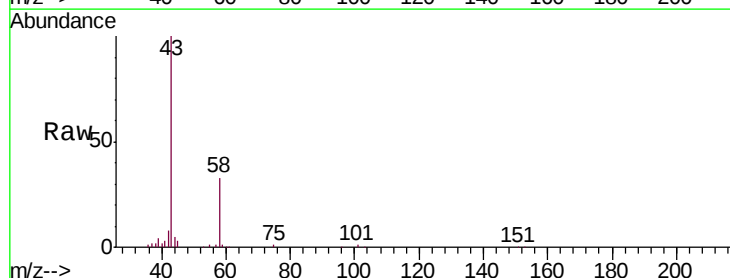
Acq: 28 Jul 2018 4:14

Tgt Ion: 43 Resp: 180747

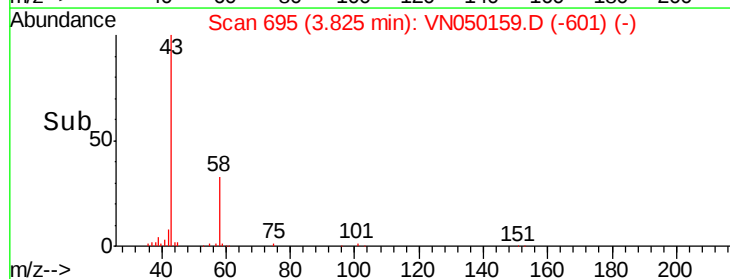
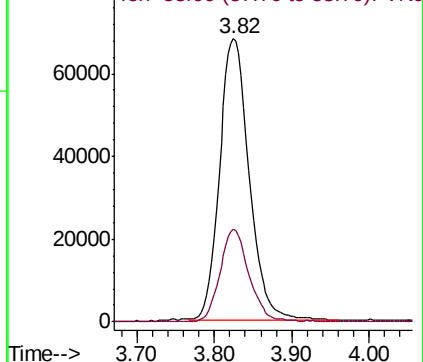
Ion Ratio Lower Upper

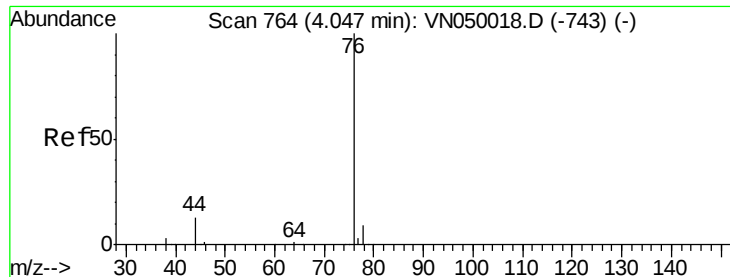
43 100

58 33.0 25.8 38.8



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

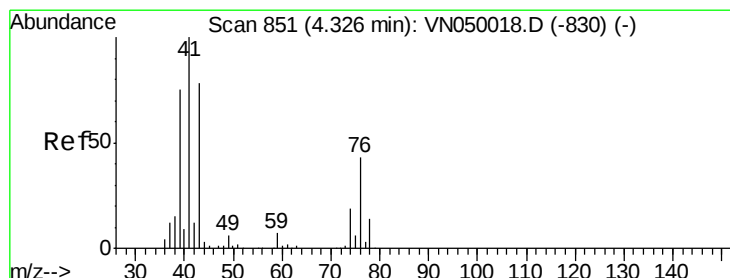
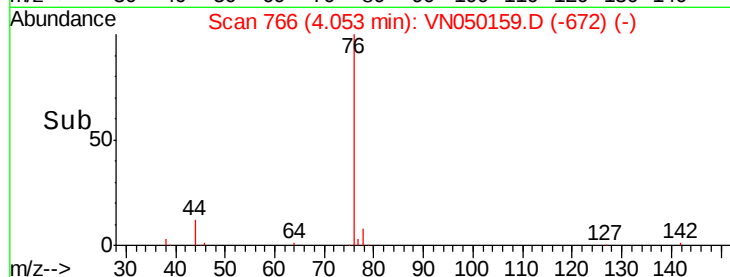
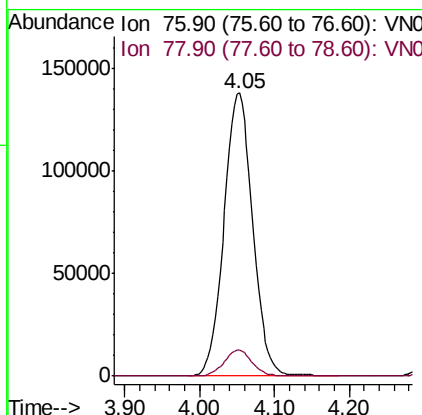
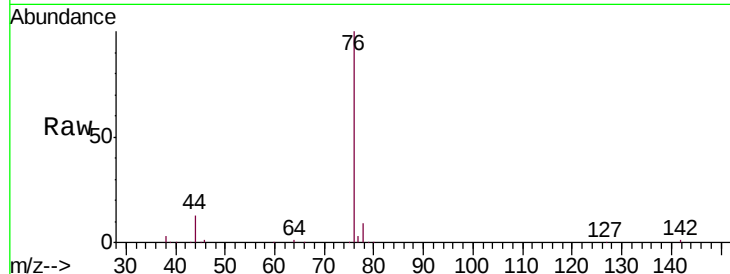




#17
Carbon Disulfide
Concen: 17.54 ug/l
RT: 4.05 min Scan# 766
Delta R.T. 0.00 min
Lab File: VN050159.D
Acq: 28 Jul 2018 4:14

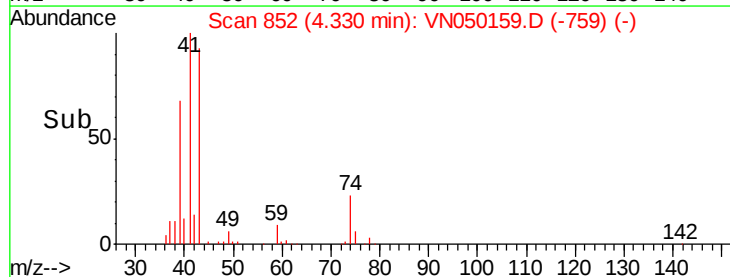
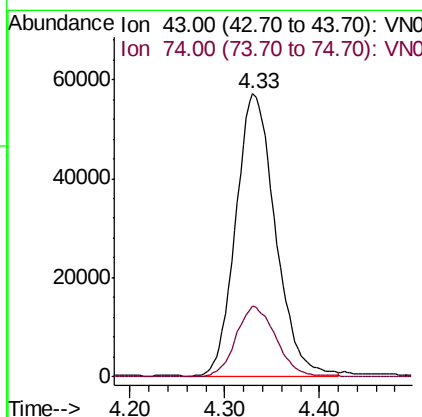
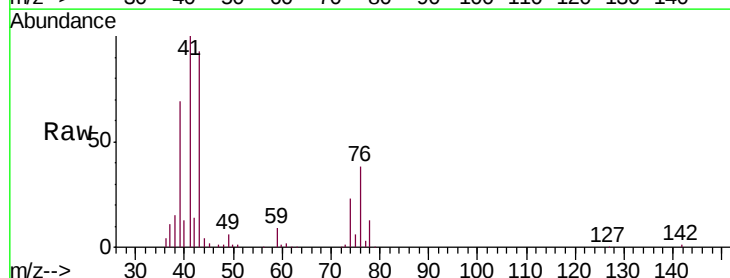
Instrument :
MSVOA_N
ClientSampleId :
VN0727WBS03

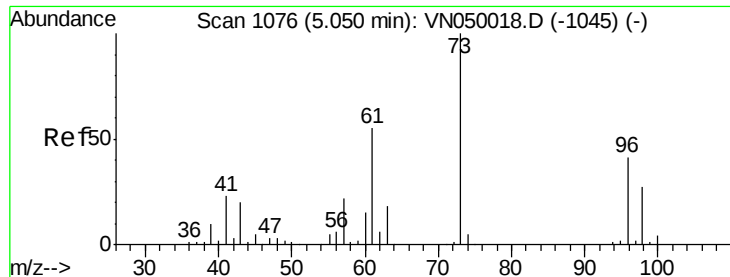
Tot Ion: 76 Resp: 367496
Ion Ratio Lower Upper
76 100
78 9.2 7.3 10.9



#18
Methyl Acetate
Concen: 20.81 ug/l
RT: 4.33 min Scan# 852
Delta R.T. -0.00 min
Lab File: VN050159.D
Acq: 28 Jul 2018 4:14

Tgt Ion: 43 Resp: 165085
Ion Ratio Lower Upper
43 100
74 25.1 19.2 28.8



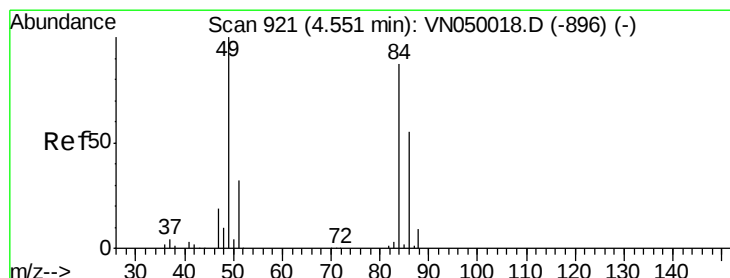
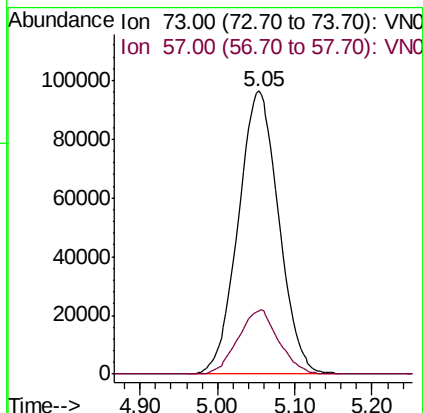
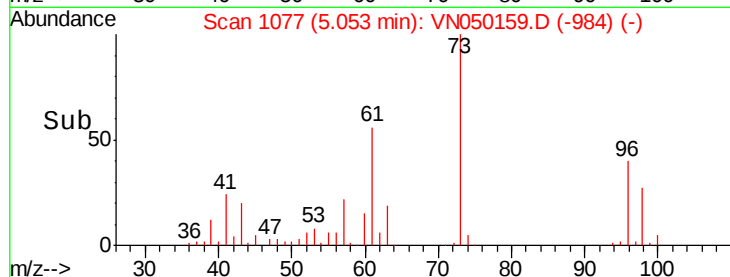
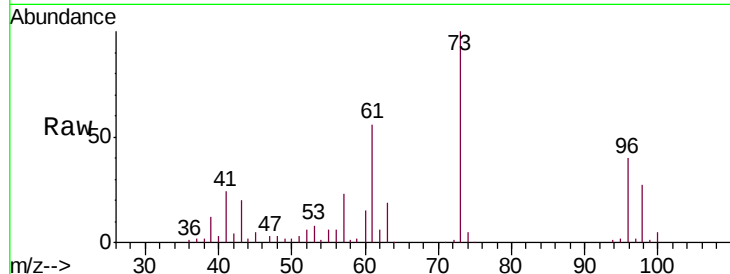


#19

Methyl tert-butyl Ether
 Concen: 19.26 ug/l
 RT: 5.05 min Scan# 1077
 Delta R.T. 0.00 min
 Lab File: VN050159.D
 Acq: 28 Jul 2018 4:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0727WBS03

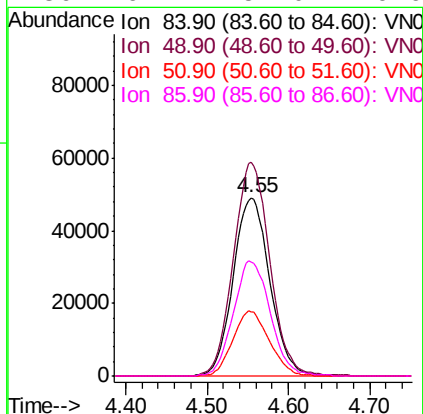
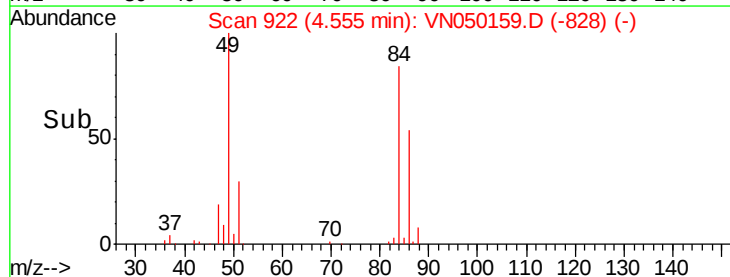
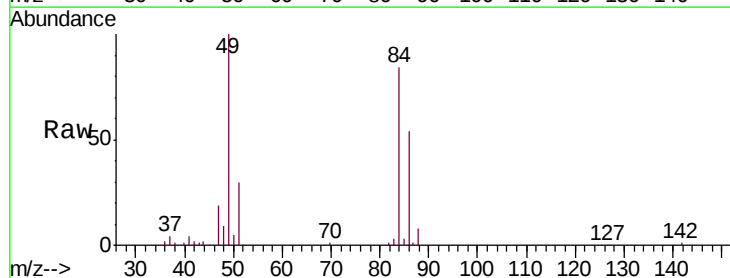
Tot Ion: 73 Resp: 351062
 Ion Ratio Lower Upper
 73 100
 57 22.6 18.0 27.0

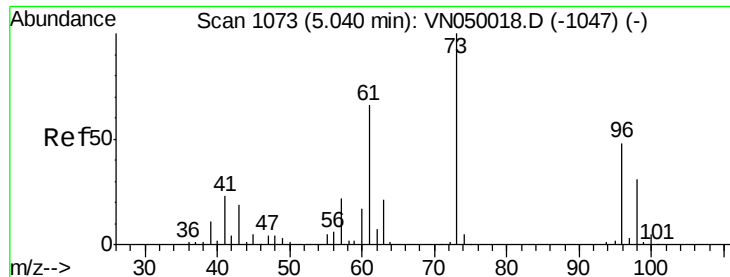


#20

Methylene Chloride
 Concen: 20.10 ug/l
 RT: 4.55 min Scan# 922
 Delta R.T. 0.00 min
 Lab File: VN050159.D
 Acq: 28 Jul 2018 4:14

Tgt Ion: 84 Resp: 153086
 Ion Ratio Lower Upper
 84 100
 49 119.7 94.8 142.2
 51 36.2 28.3 42.5
 86 64.1 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 18.89 ug/l

RT: 5.04 min Scan# 1074

Delta R.T. 0.00 min

Lab File: VN050159.D

Acq: 28 Jul 2018 4:14

Instrument :

MSVOA_N

ClientSampleId :

VN0727WBS03

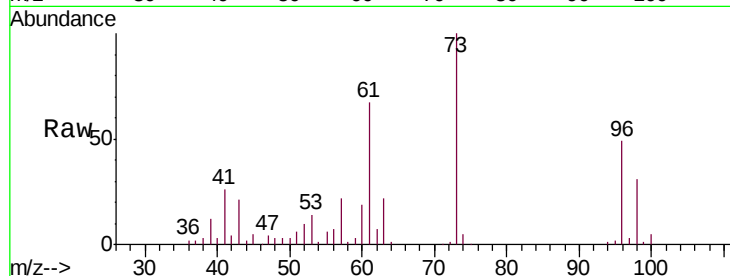
Tot Ion: 96 Resp: 136889

Ion Ratio Lower Upper

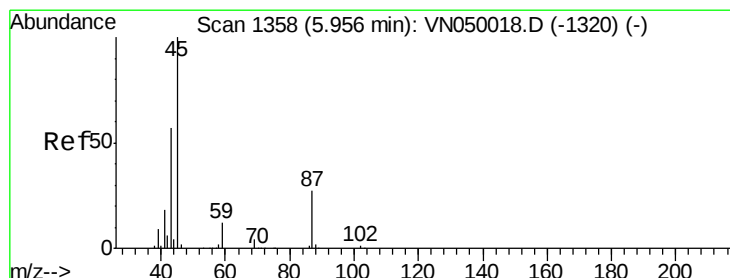
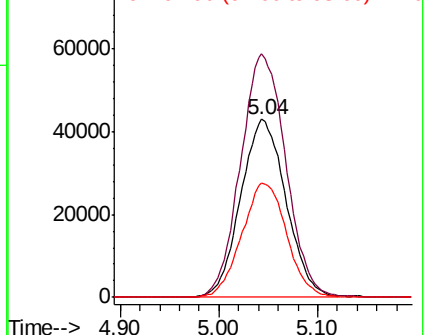
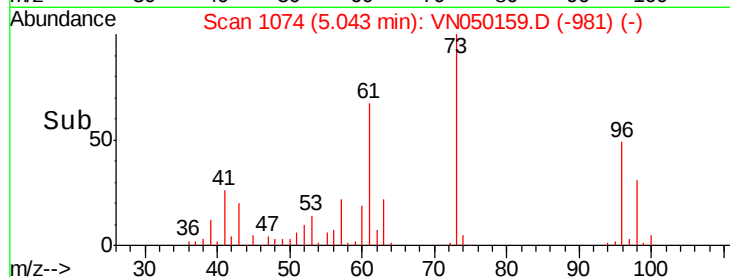
96 100

61 136.9 110.7 166.1

98 64.5 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: 20.92 ug/l

RT: 5.96 min Scan# 1358

Delta R.T. -0.00 min

Lab File: VN050159.D

Acq: 28 Jul 2018 4:14

Tgt Ion: 45 Resp: 440008

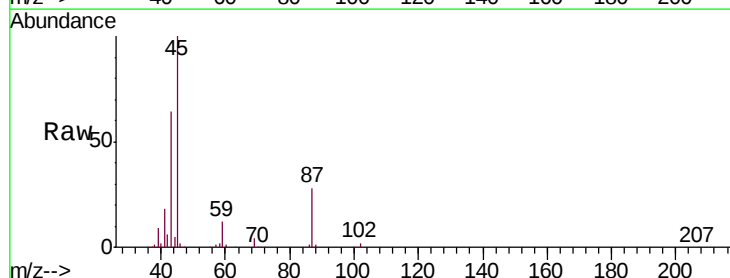
Ion Ratio Lower Upper

45 100

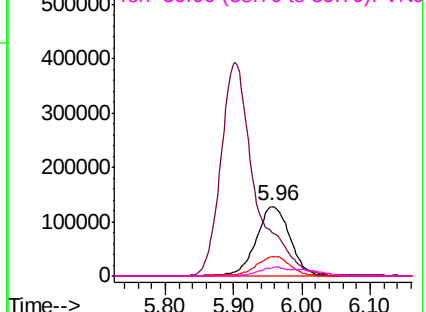
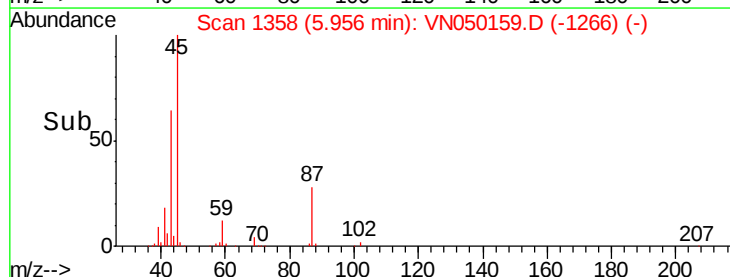
43 63.1 45.7 68.5

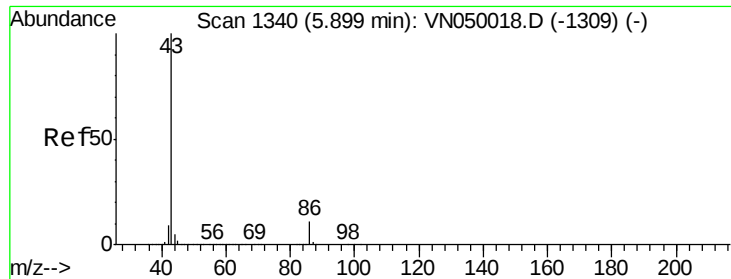
87 28.1 22.7 34.1

59 11.6 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: 92.18 ug/l

RT: 5.90 min Scan# 1341

Delta R.T. 0.00 min

Lab File: VN050159.D

Acq: 28 Jul 2018 4:14

Instrument :

MSVOA_N

ClientSampleId :

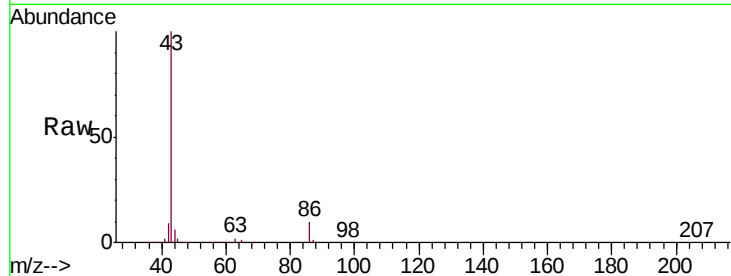
VN0727WBS03

Tot Ion: 43 Resp: 1369938

Ion Ratio Lower Upper

43 100

86 10.3 8.6 13.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.90

400000

300000

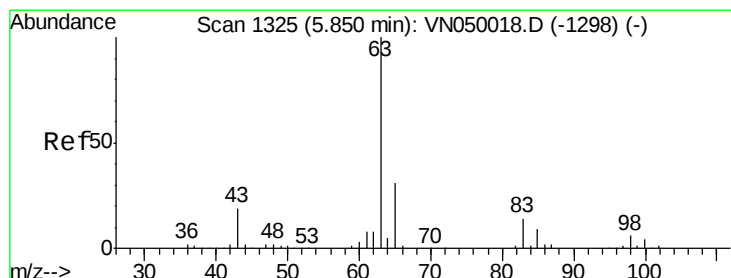
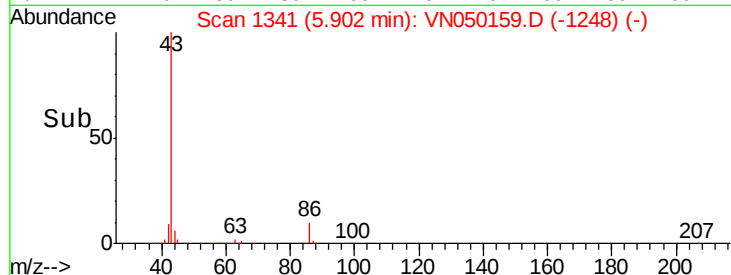
200000

100000

0

Time-->

5.70 5.80 5.90 6.00 6.10



#24

1,1-Dichloroethane

Concen: 19.58 ug/l

RT: 5.85 min Scan# 1326

Delta R.T. 0.00 min

Lab File: VN050159.D

Acq: 28 Jul 2018 4:14

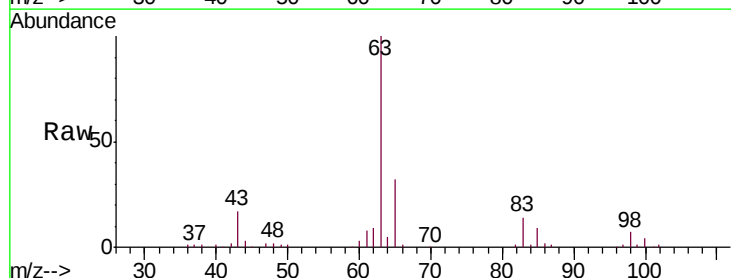
Tgt Ion: 63 Resp: 269263

Ion Ratio Lower Upper

63 100

98 6.8 3.3 9.8

100 3.7 2.1 6.3



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

5.85

100000

80000

60000

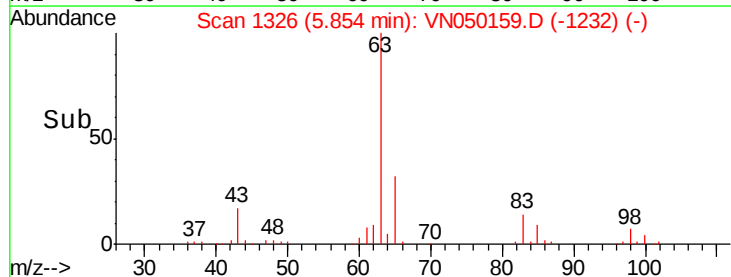
40000

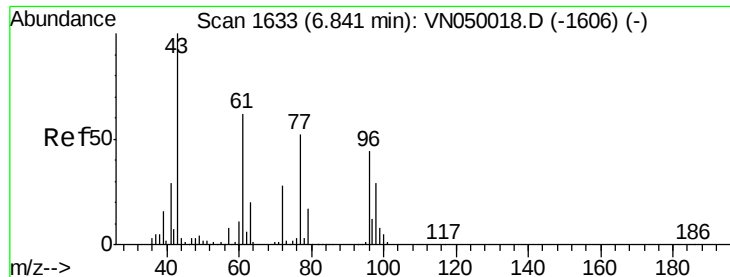
20000

0

Time-->

5.70 5.80 5.90 6.00

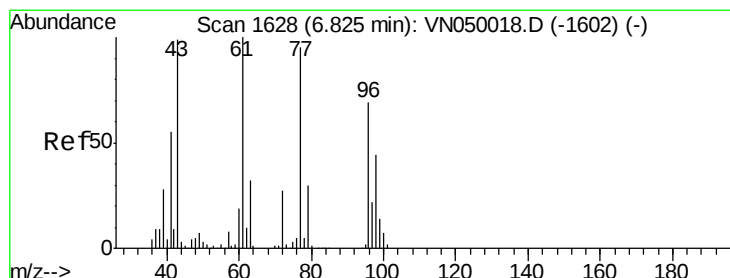
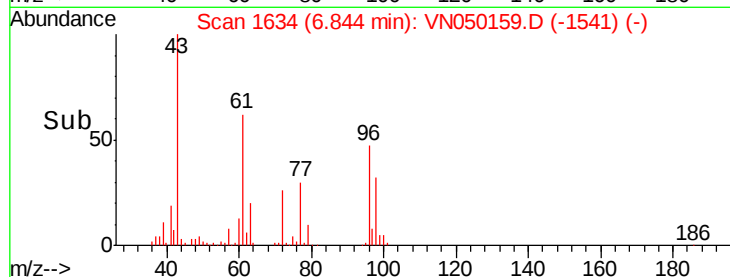
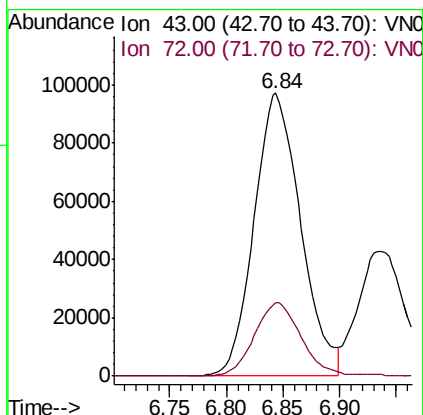
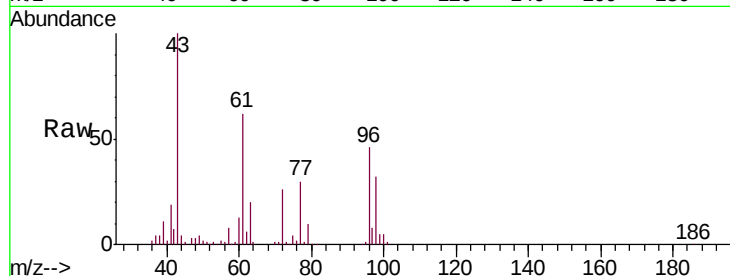




#25
 2-Butanone
 Concen: 87.48 ug/l
 RT: 6.84 min Scan# 1634
 Delta R.T. 0.00 min
 Lab File: VN050159.D
 Acq: 28 Jul 2018 4:14

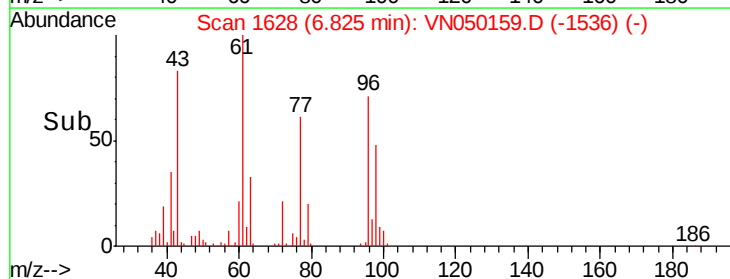
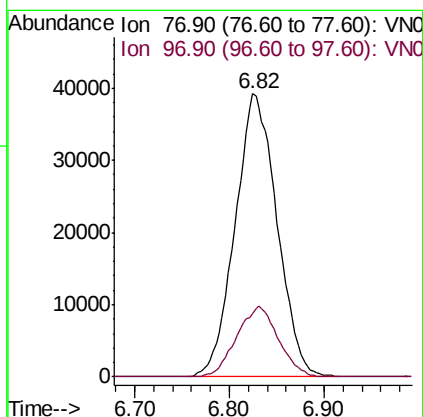
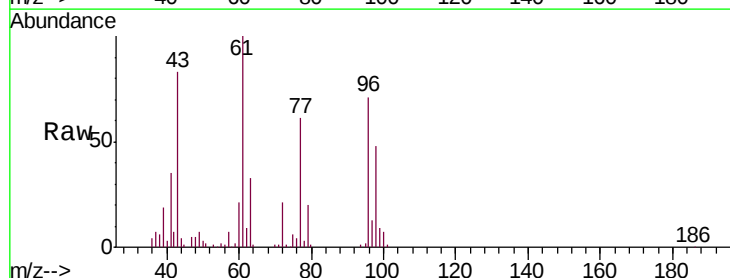
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0727WBS03

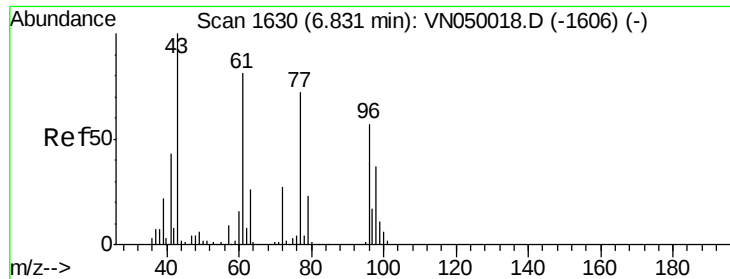
Tot Ion: 43 Resp: 276282
 Ion Ratio Lower Upper
 43 100
 72 26.2 21.5 32.3



#26
 2,2-Dichloropropane
 Concen: 11.52 ug/l
 RT: 6.82 min Scan# 1628
 Delta R.T. -0.00 min
 Lab File: VN050159.D
 Acq: 28 Jul 2018 4:14

Tgt Ion: 77 Resp: 120463
 Ion Ratio Lower Upper
 77 100
 97 24.8 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 19.56 ug/l

RT: 6.83 min Scan# 1631

Delta R.T. 0.00 min

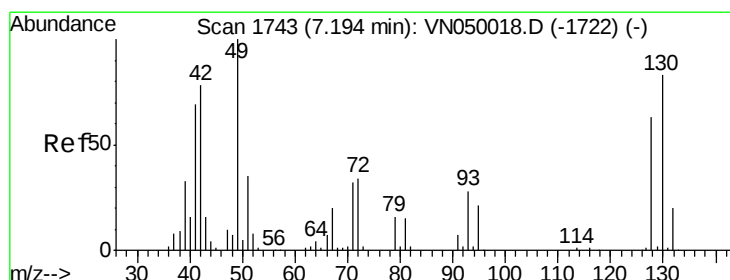
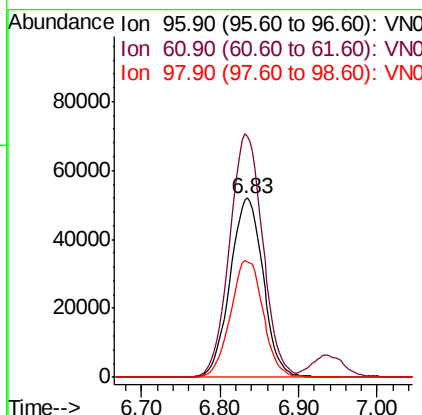
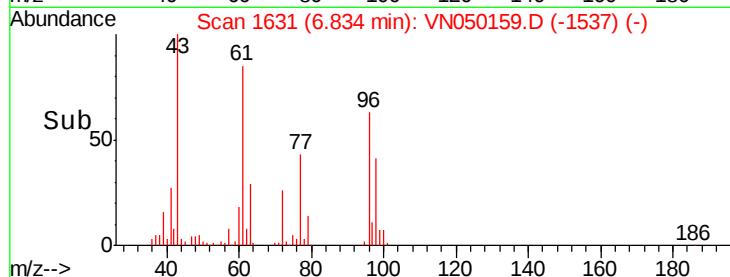
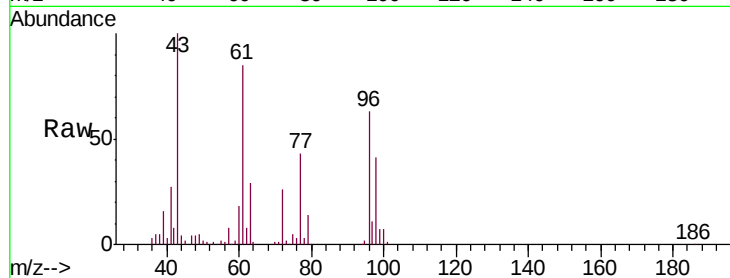
Lab File: VN050159.D

Acq: 28 Jul 2018 4:14

Instrument :
MSVOA_N
ClientSampleId :
VN0727WBS03

Tot Ion: 96 Resp: 152638

Ion	Ratio	Lower	Upper
96	100		
61	136.1	0.0	285.0
98	64.6	0.0	129.2



#28

Bromochloromethane

Concen: 19.20 ug/l

RT: 7.20 min Scan# 1744

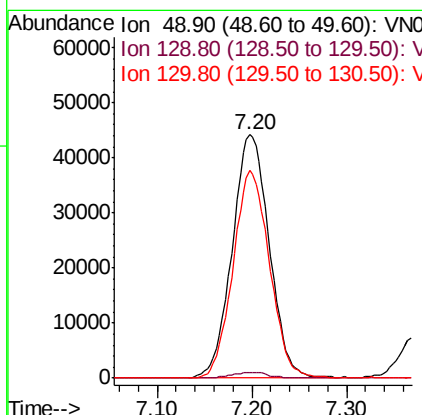
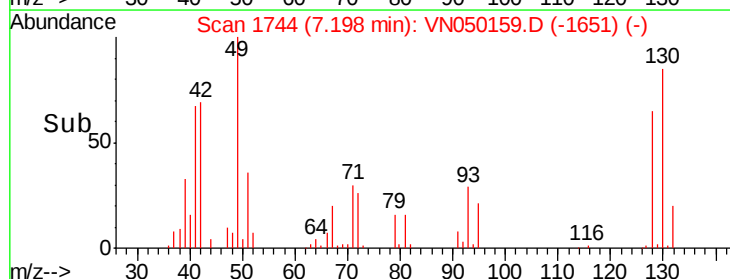
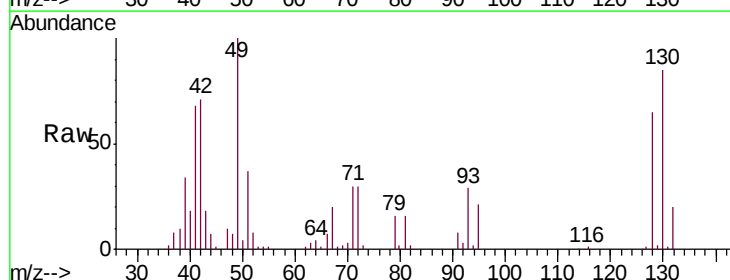
Delta R.T. 0.00 min

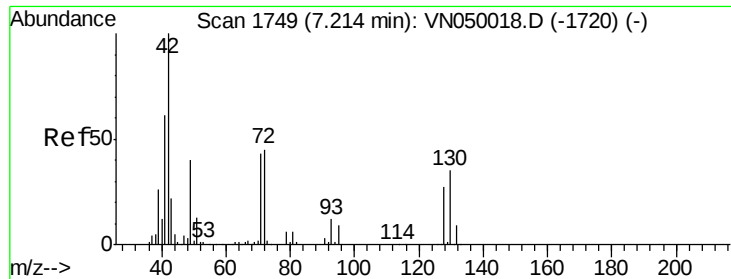
Lab File: VN050159.D

Acq: 28 Jul 2018 4:14

Tgt Ion: 49 Resp: 120423

Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.0
130	83.6	66.3	99.5

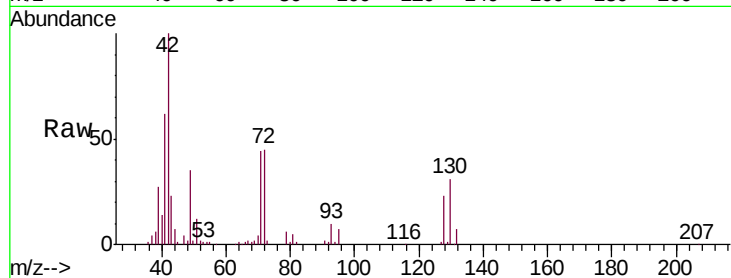




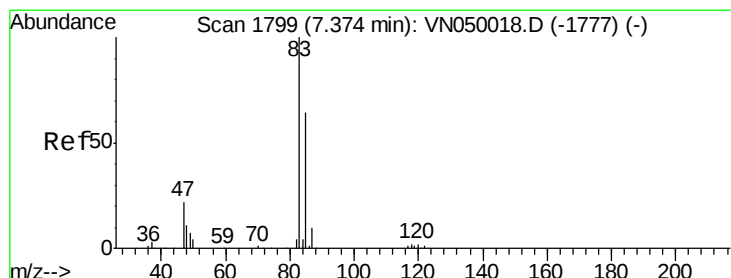
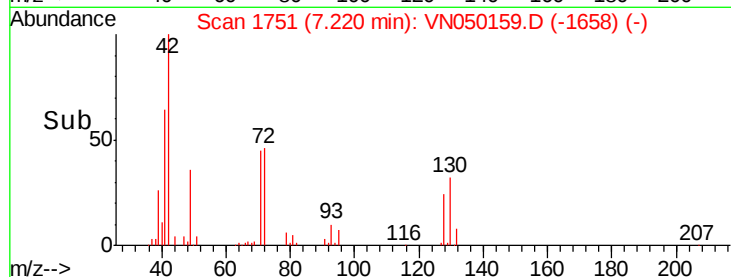
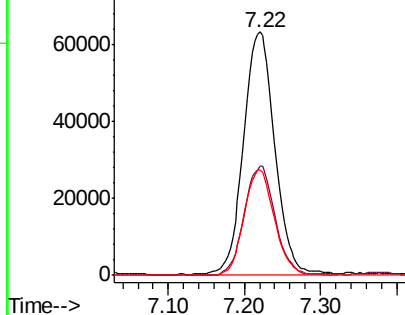
#29
Tetrahydrofuran
Concen: 88.16 ug/l
RT: 7.22 min Scan# 1751
Delta R.T. 0.00 min
Lab File: VN050159.D
Acq: 28 Jul 2018 4:14

Instrument :
MSVOA_N
ClientSampleId :
VN0727WBS03

Tot Ion: 42 Resp: 179906
Ion Ratio Lower Upper
42 100
72 44.1 35.9 53.9
71 42.7 33.7 50.5

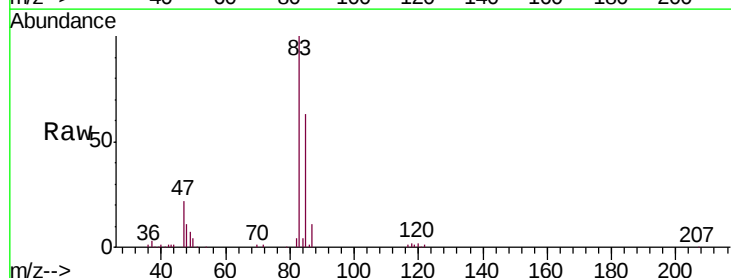


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

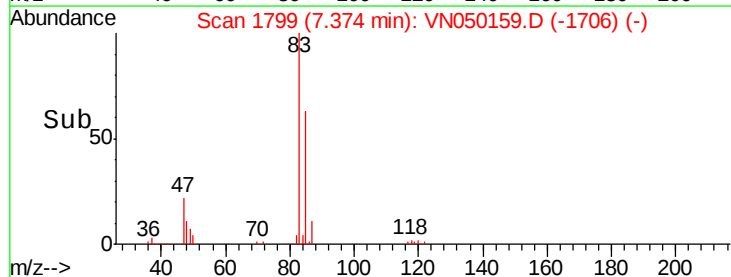
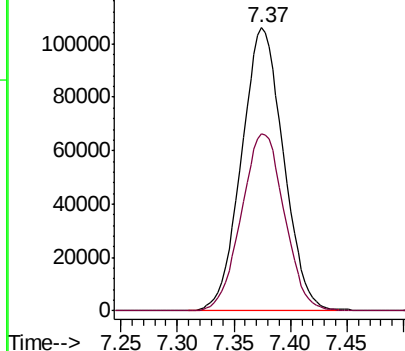


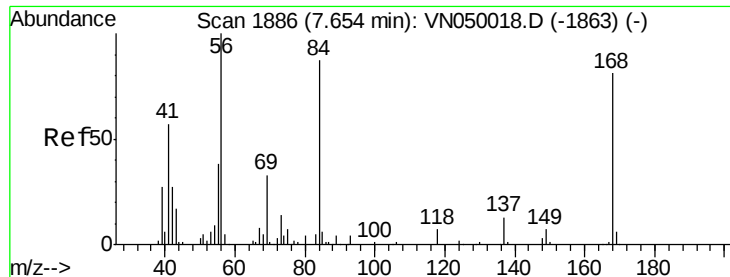
#30
Chloroform
Concen: 19.47 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN050159.D
Acq: 28 Jul 2018 4:14

Tgt Ion: 83 Resp: 273237
Ion Ratio Lower Upper
83 100
85 62.5 52.5 78.7



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

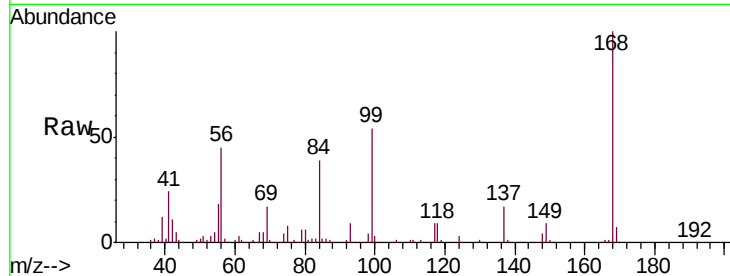




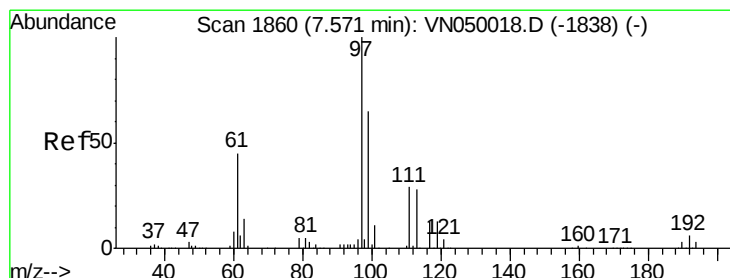
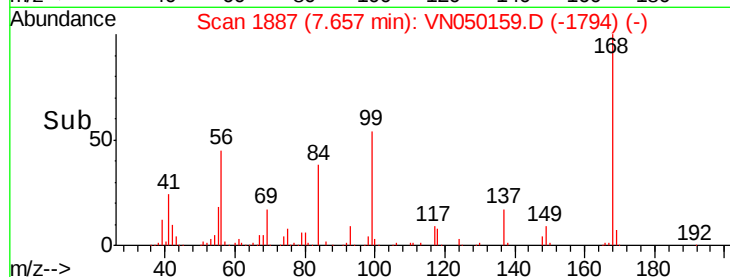
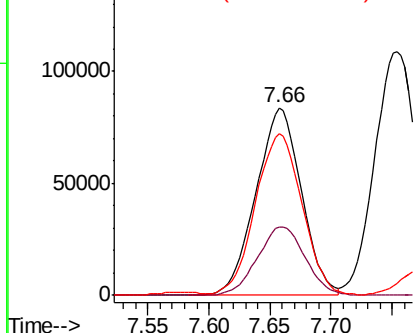
#31
Cyclohexane
Concen: 18.96 ug/l
RT: 7.66 min Scan# 1887
Delta R.T. 0.00 min
Lab File: VN050159.D
Acq: 28 Jul 2018 4:14

Instrument :
MSVOA_N
ClientSampleId :
VN0727WBS03

Tot Ion: 56 Resp: 216683
Ion Ratio Lower Upper
56 100
69 36.6 26.2 39.4
84 84.3 67.4 101.0

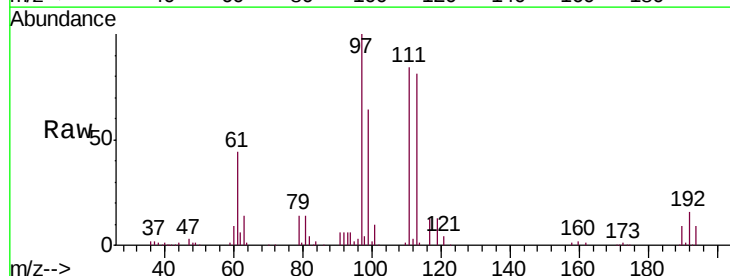


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

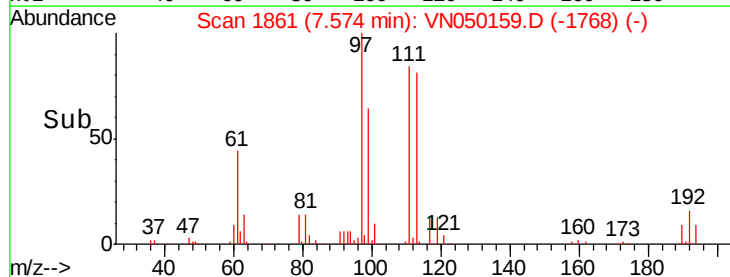
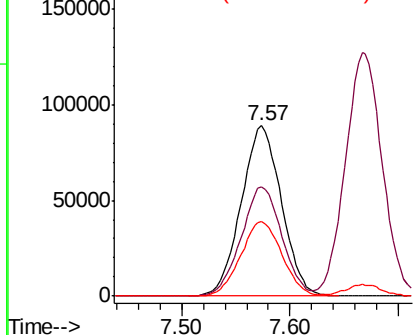


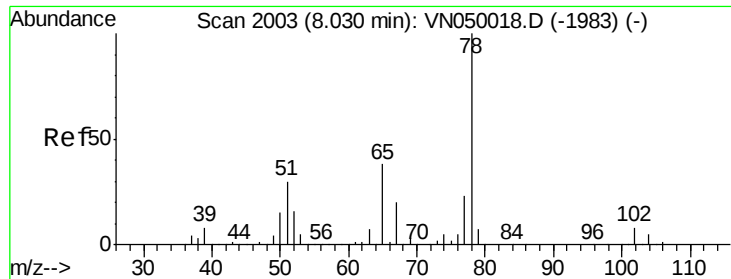
#32
1,1,1-Trichloroethane
Concen: 19.24 ug/l
RT: 7.57 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN050159.D
Acq: 28 Jul 2018 4:14

Tgt Ion: 97 Resp: 230897
Ion Ratio Lower Upper
97 100
99 65.0 51.4 77.0
61 44.9 35.4 53.0



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





#33

1,2-Dichloroethane-d4

Concen: 51.00 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN050159.D

Acq: 28 Jul 2018 4:14

Instrument :

MSVOA_N

ClientSampleId :

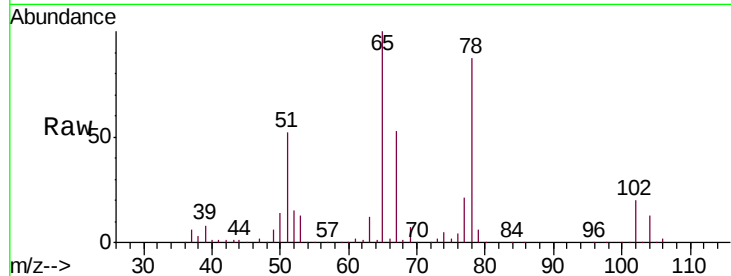
VN0727WBS03

Tot Ion: 65 Resp: 422237

Ion Ratio Lower Upper

65 100

67 54.0 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

8.03

200000

150000

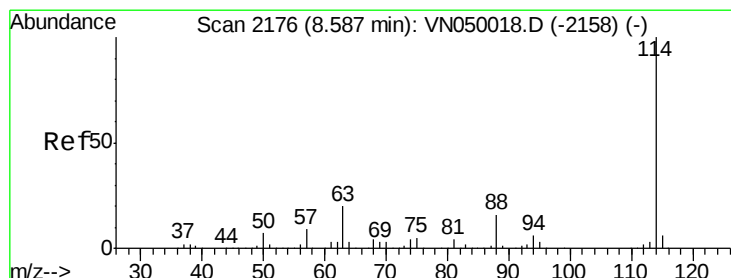
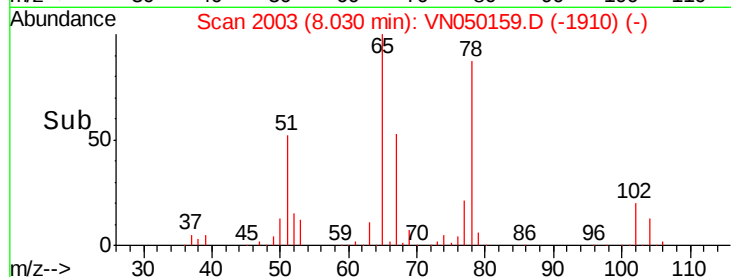
100000

50000

0

Time-->

7.95 8.00 8.05 8.10



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2177

Delta R.T. 0.00 min

Lab File: VN050159.D

Acq: 28 Jul 2018 4:14

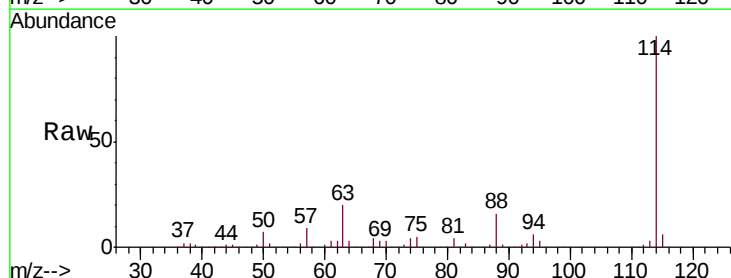
Tgt Ion: 114 Resp: 909306

Ion Ratio Lower Upper

114 100

63 19.9 0.0 40.0

88 15.8 0.0 31.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0

8.59

600000

500000

400000

300000

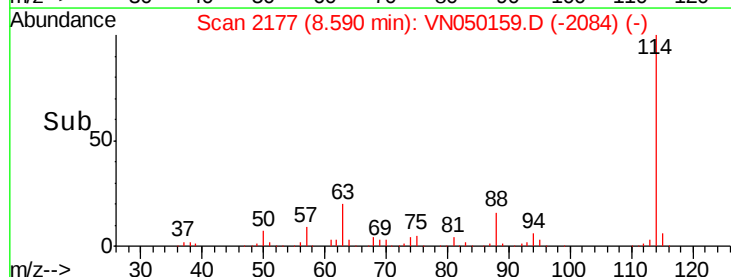
200000

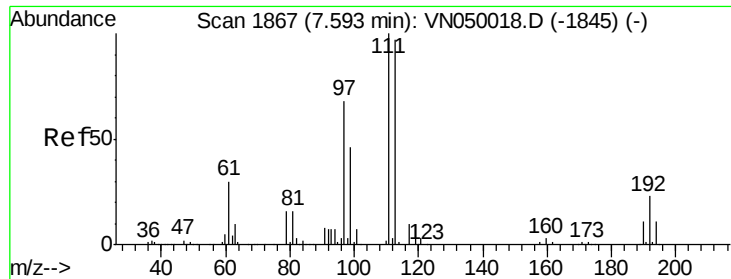
100000

0

Time-->

8.50 8.60 8.70

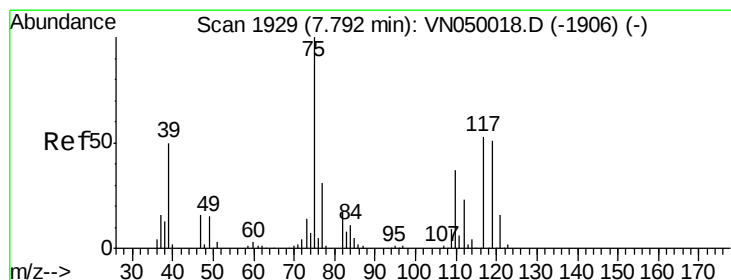
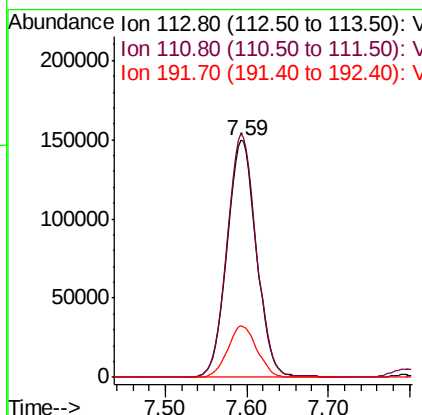
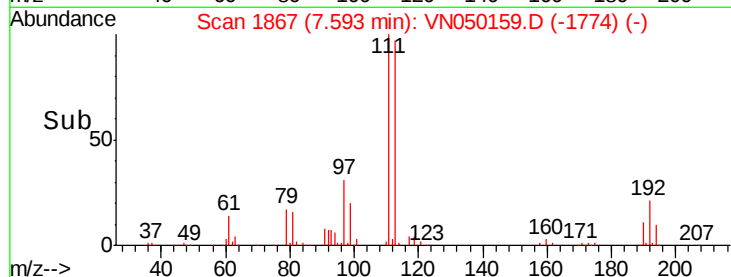
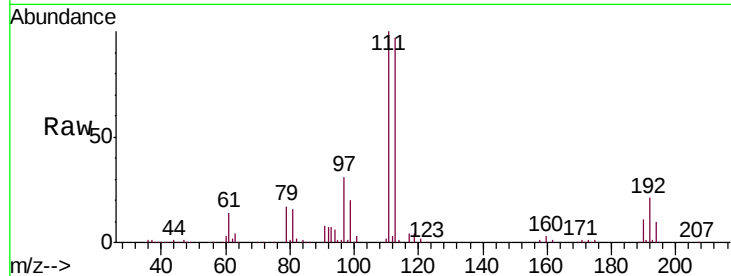




#35
 Dibromofluoromethane
 Concen: 50.86 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050159.D
 Acq: 28 Jul 2018 4:14

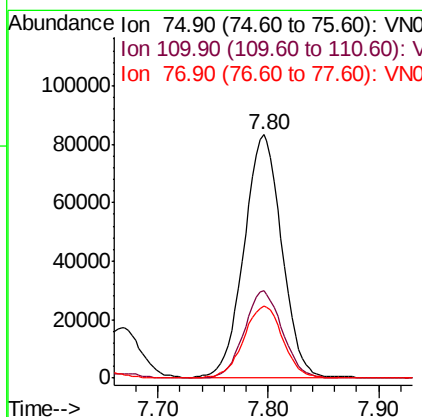
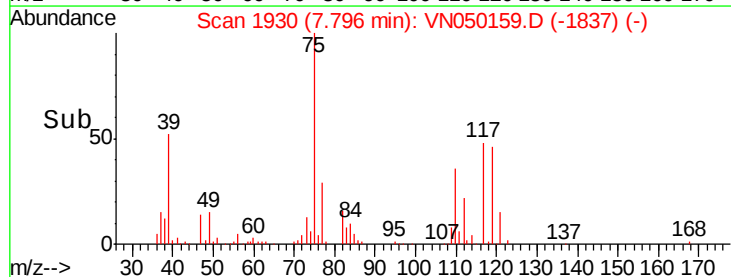
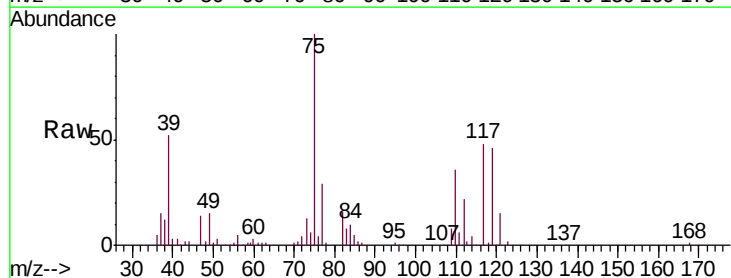
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0727WBS03

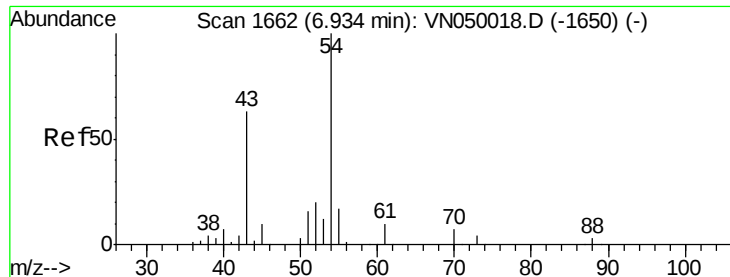
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.9	80.7	121.1
192	21.5	17.8	26.6



#36
 1,1-Dichloropropene
 Concen: 19.13 ug/l
 RT: 7.80 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VN050159.D
 Acq: 28 Jul 2018 4:14

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.3	18.4	55.2
77	31.2	25.3	37.9

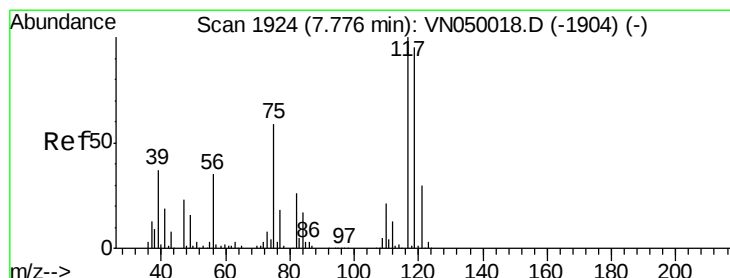
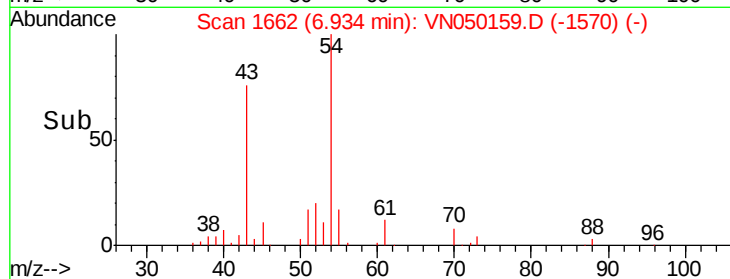
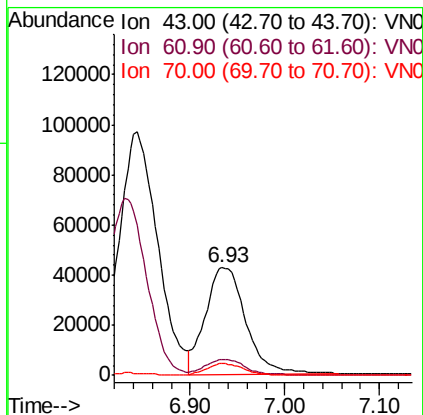
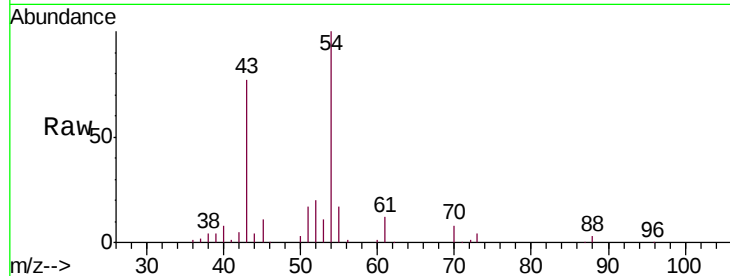




#37
Ethyl Acetate
Concen: 17.65 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VN050159.D
Acq: 28 Jul 2018 4:14

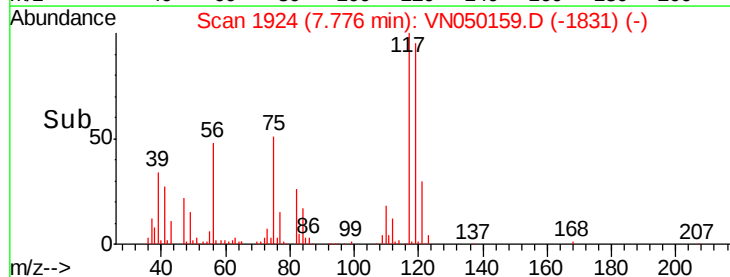
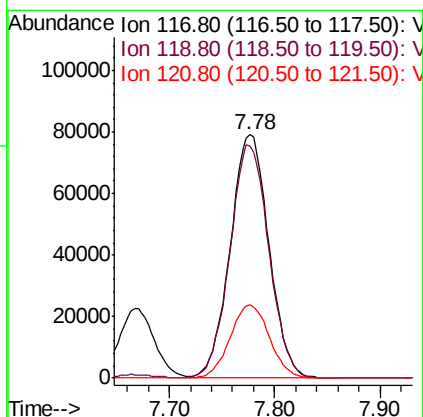
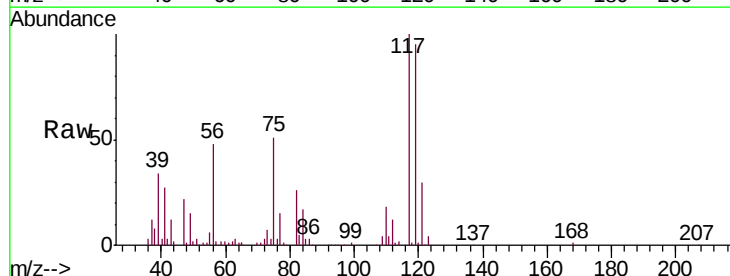
Instrument :
MSVOA_N
ClientSampleId :
VN0727WBS03

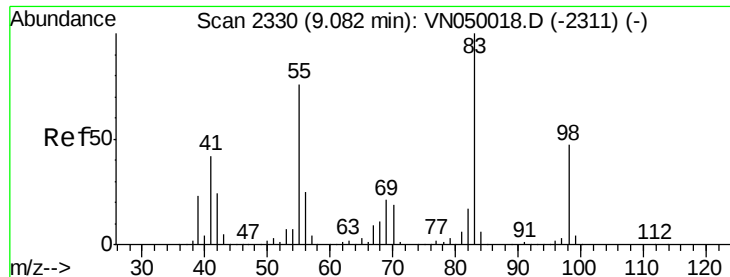
Tot Ion: 43 Resp: 126096
Ion Ratio Lower Upper
43 100
61 14.4 11.8 17.8
70 10.6 8.4 12.6



#38
Carbon Tetrachloride
Concen: 18.53 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VN050159.D
Acq: 28 Jul 2018 4:14

Tgt Ion: 117 Resp: 201436
Ion Ratio Lower Upper
117 100
119 95.4 77.4 116.0
121 30.0 23.9 35.9

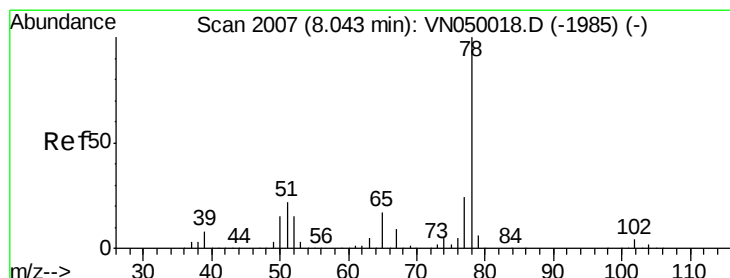
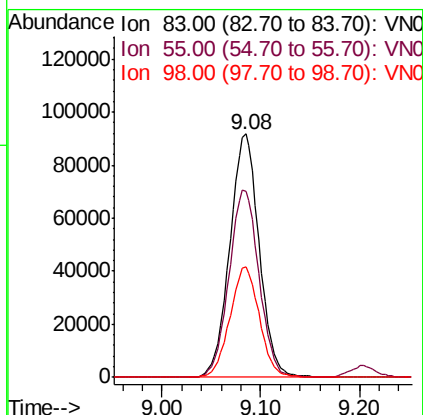
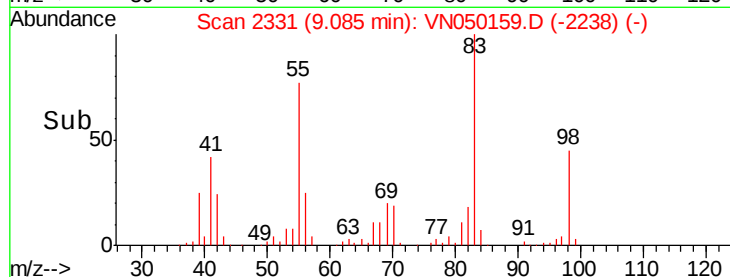
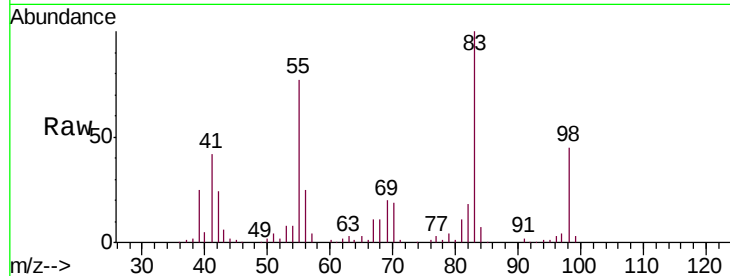




#39
Methvlcvclohexane
Concen: 18.08 ug/l
RT: 9.08 min Scan# 2331
Delta R.T. 0.00 min
Lab File: VN050159.D
Acq: 28 Jul 2018 4:14

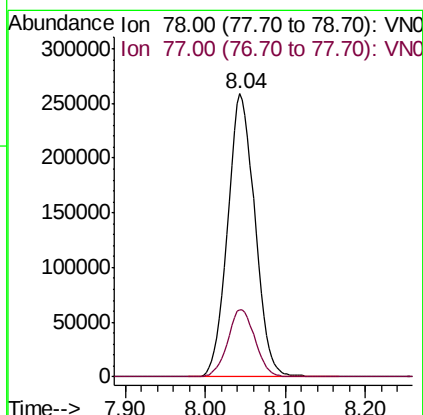
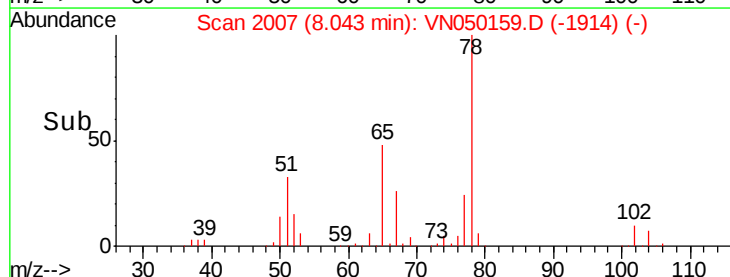
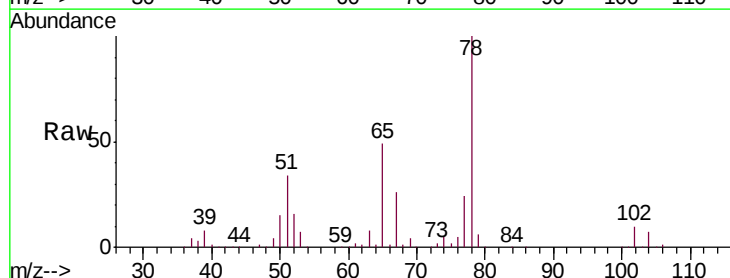
Instrument :
MSVOA_N
ClientSampleId :
VN0727WBS03

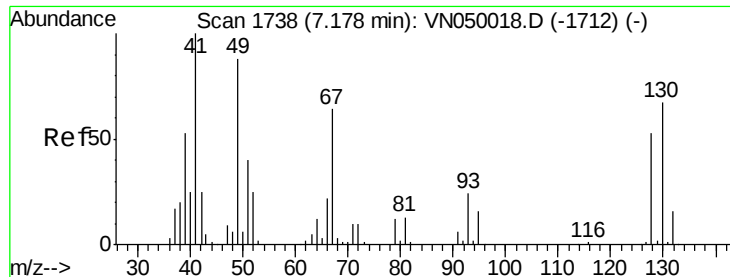
Tot Ion: 83 Resp: 190501
Ion Ratio Lower Upper
83 100
55 76.6 61.8 92.8
98 45.1 36.5 54.7



#40
Benzene
Concen: 19.22 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN050159.D
Acq: 28 Jul 2018 4:14

Tgt Ion: 78 Resp: 599317
Ion Ratio Lower Upper
78 100
77 23.9 18.7 28.1

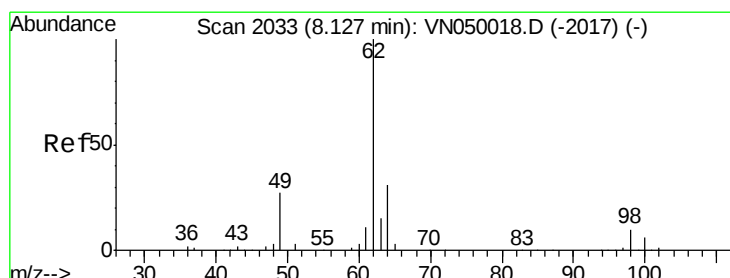
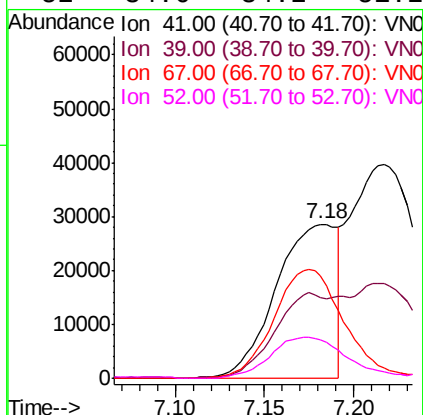
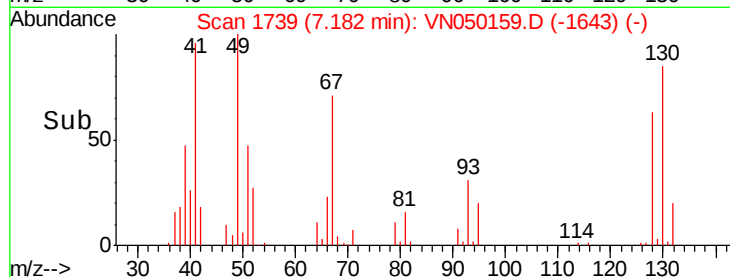
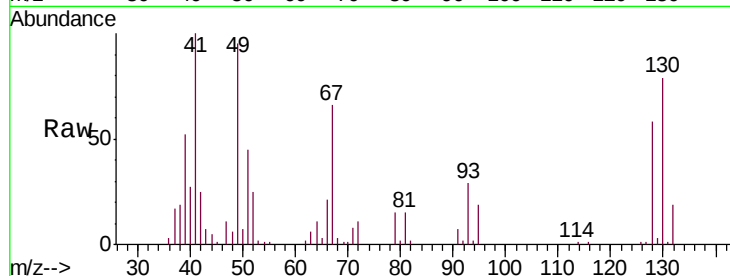




#41
Methacrylonitrile
Concen: 19.99 ug/l
RT: 7.18 min Scan# 1739
Delta R.T. 0.01 min
Lab File: VN050159.D
Acq: 28 Jul 2018 4:14

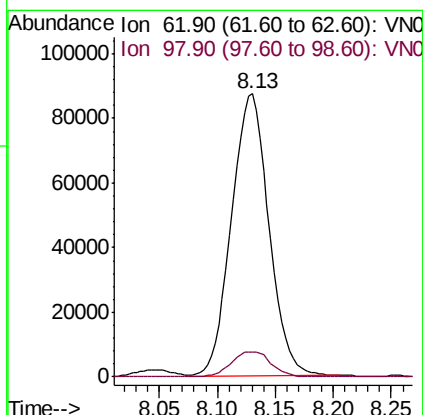
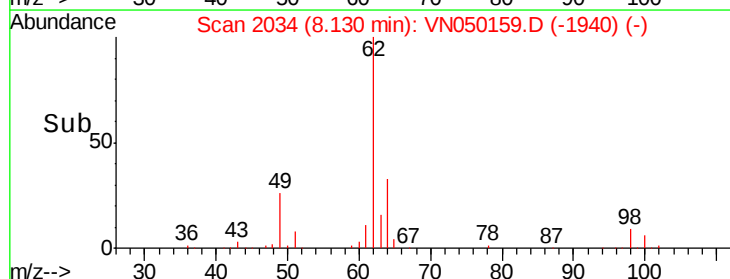
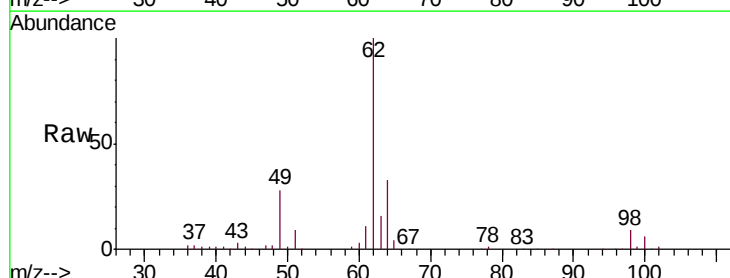
Instrument :
MSVOA_N
ClientSampleId :
VN0727WBS03

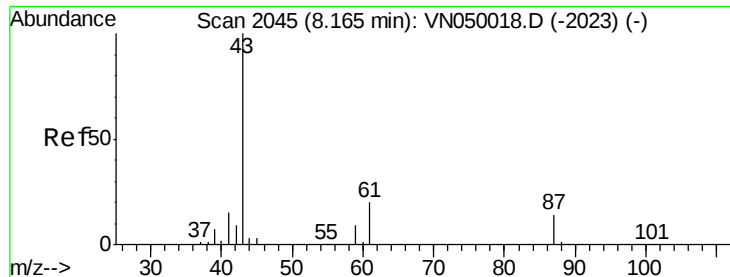
Tot Ion: 41 Resp: 67888
Ion Ratio Lower Upper
41 100
39 46.1 55.8 83.6#
67 80.9 84.3 126.5#
52 34.6 34.2 51.2



#42
1,2-Dichloroethane
Concen: 18.78 ug/l
RT: 8.13 min Scan# 2034
Delta R.T. 0.00 min
Lab File: VN050159.D
Acq: 28 Jul 2018 4:14

Tgt Ion: 62 Resp: 195279
Ion Ratio Lower Upper
62 100
98 9.4 0.0 18.8



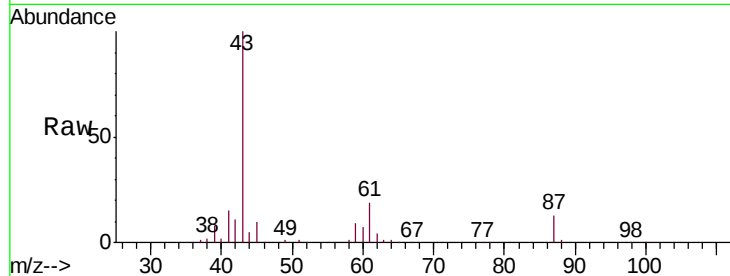


#43

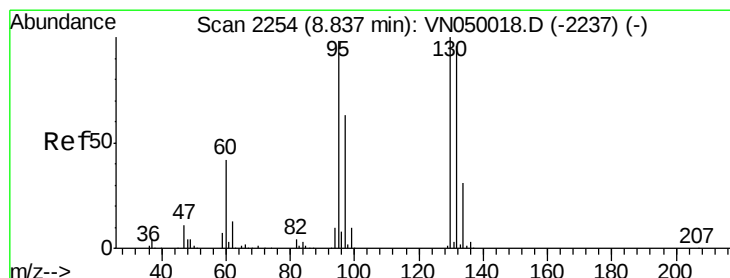
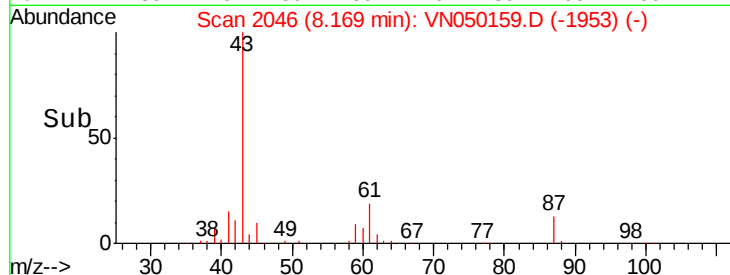
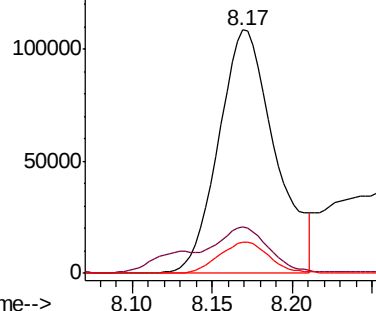
Isopropyl Acetate
 Concen: 18.80 ug/l
 RT: 8.17 min Scan# 2046
 Delta R.T. 0.00 min
 Lab File: VN050159.D
 Acq: 28 Jul 2018 4:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0727WBS03

Tot Ion: 43 Resp: 262682
 Ion Ratio Lower Upper
 43 100
 61 16.0 15.8 23.6
 87 11.6 10.3 15.5



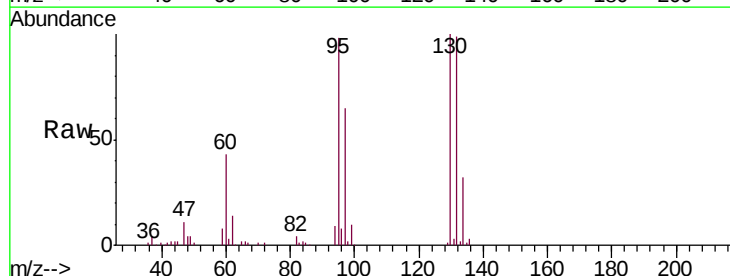
Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 61.00 (60.70 to 61.70): VN0
 Ion 87.00 (86.70 to 87.70): VN0



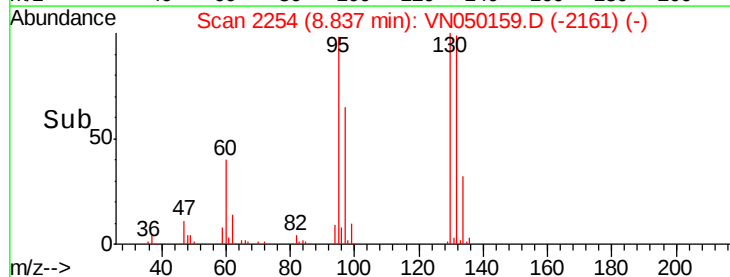
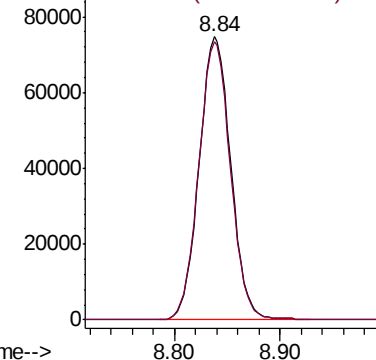
#44

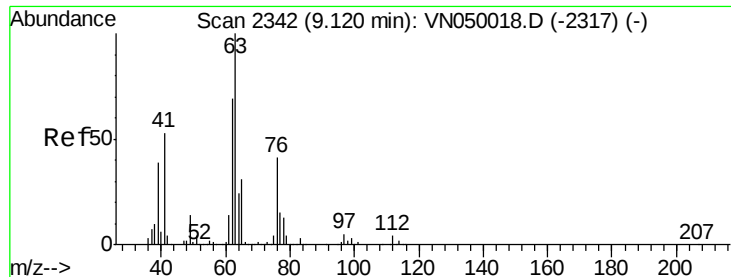
Trichloroethene
 Concen: 18.53 ug/l
 RT: 8.84 min Scan# 2254
 Delta R.T. 0.00 min
 Lab File: VN050159.D
 Acq: 28 Jul 2018 4:14

Tgt Ion:130 Resp: 155181
 Ion Ratio Lower Upper
 130 100
 95 98.3 0.0 194.6



Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VN0

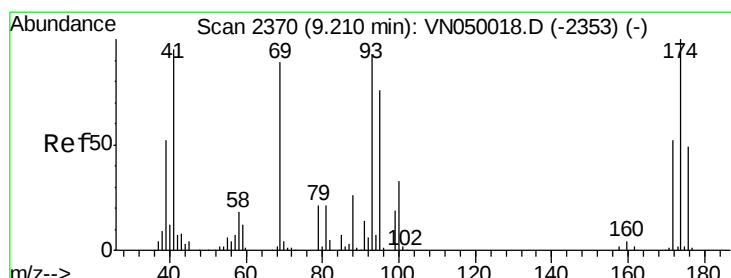
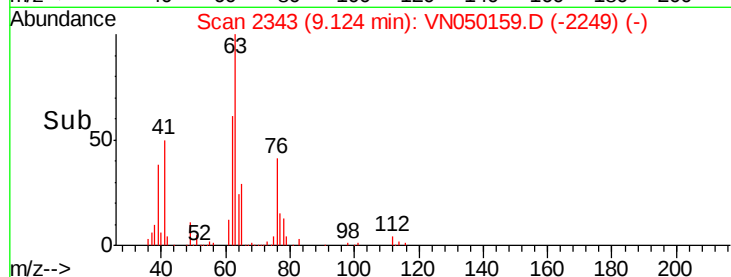
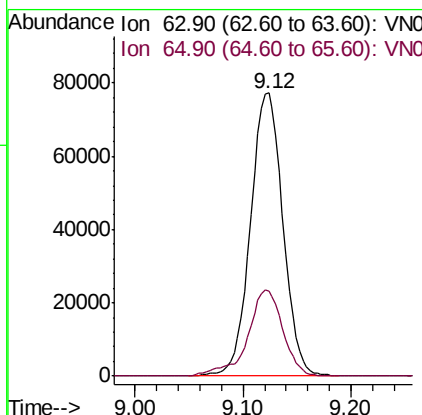
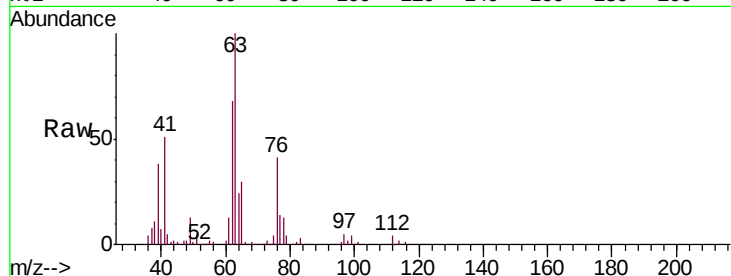




#45
 1,2-Dichloropropane
 Concen: 19.56 ug/l
 RT: 9.12 min Scan# 2343
 Delta R.T. 0.00 min
 Lab File: VN050159.D
 Acq: 28 Jul 2018 4:14

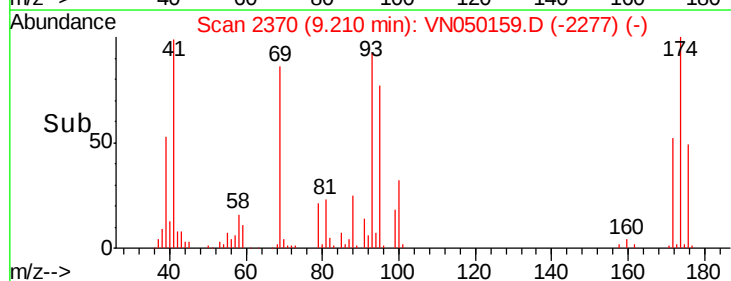
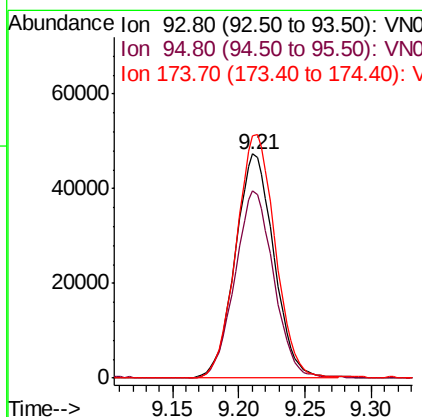
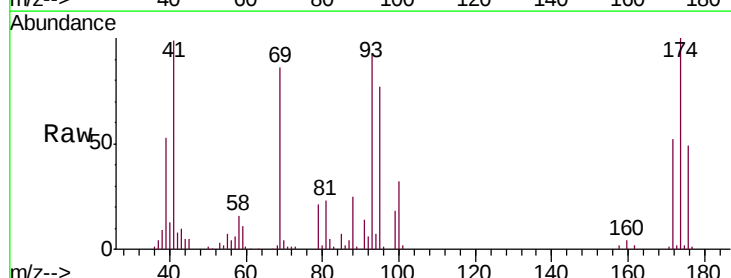
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0727WBS03

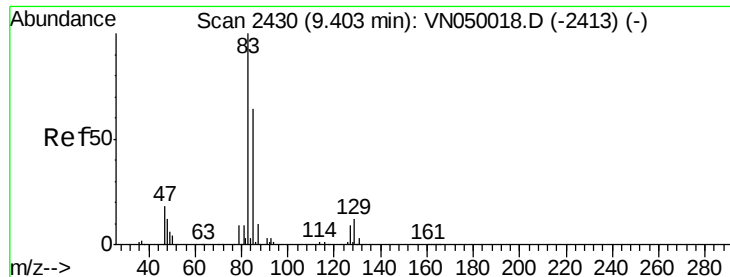
Tot Ion: 63 Resp: 161495
 Ion Ratio Lower Upper
 63 100
 65 29.9 25.5 38.3



#46
 Dibromomethane
 Concen: 18.77 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN050159.D
 Acq: 28 Jul 2018 4:14

Tgt Ion: 93 Resp: 96235
 Ion Ratio Lower Upper
 93 100
 95 83.5 66.6 100.0
 174 109.8 87.1 130.7





#47

Bromodichloromethane

Concen: 19.03 ug/l

RT: 9.41 min Scan# 2431

Delta R.T. 0.00 min

Lab File: VN050159.D

Acq: 28 Jul 2018 4:14

Instrument :

MSVOA_N

ClientSampled :

VN0727WBS03

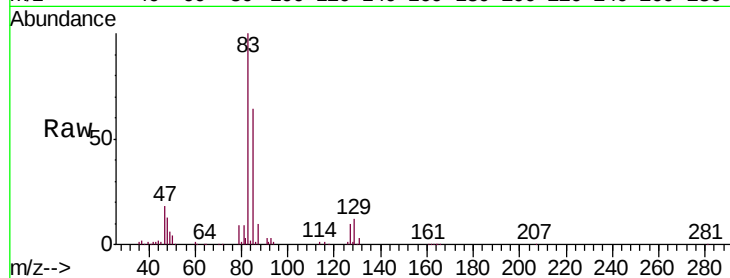
Tot Ion: 83 Resp: 205964

Ion Ratio Lower Upper

83 100

85 64.0 51.1 76.7

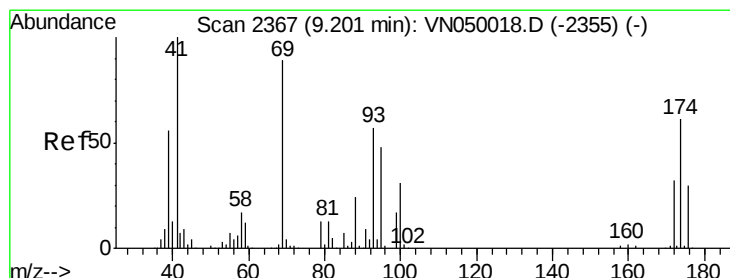
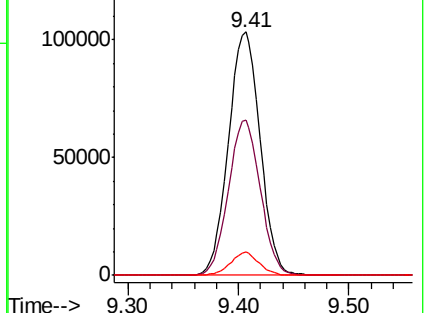
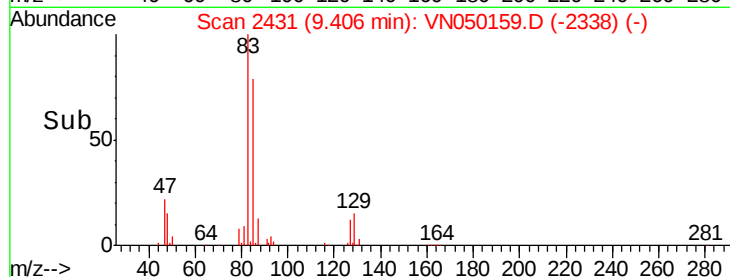
127 9.5 7.0 10.4



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): V



#48

Methyl methacrylate

Concen: 18.11 ug/l

RT: 9.20 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN050159.D

Acq: 28 Jul 2018 4:14

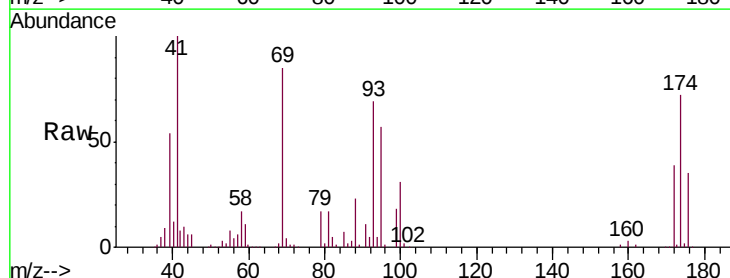
Tgt Ion: 41 Resp: 111424

Ion Ratio Lower Upper

41 100

69 88.3 70.6 105.8

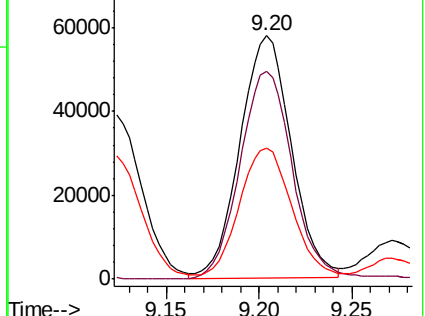
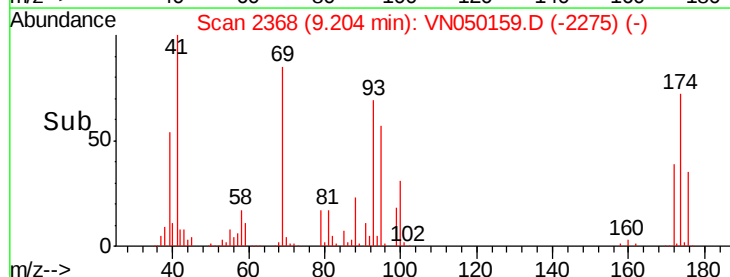
39 55.5 43.9 65.9

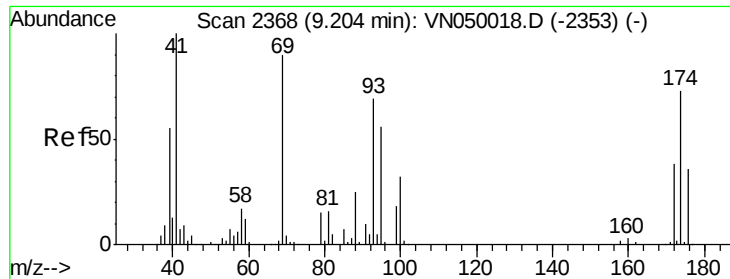


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#49

1,4-Dioxane

Concen: 338.82 ug/l

RT: 9.20 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN050159.D

Acq: 28 Jul 2018 4:14

Instrument :
MSVOA_N
ClientSampleId :
VN0727WBS03

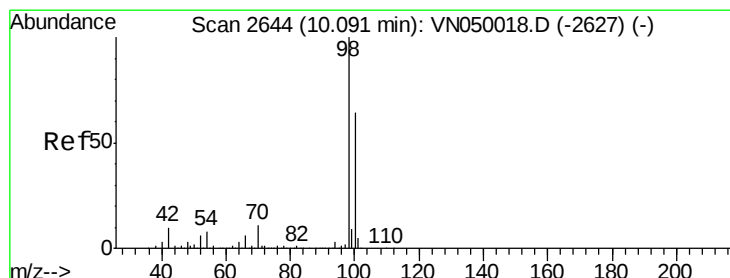
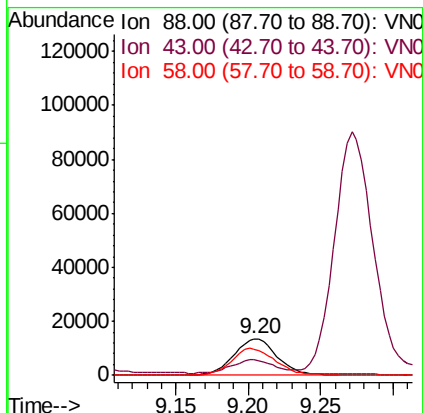
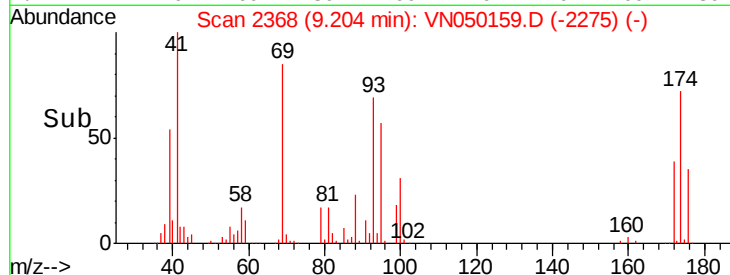
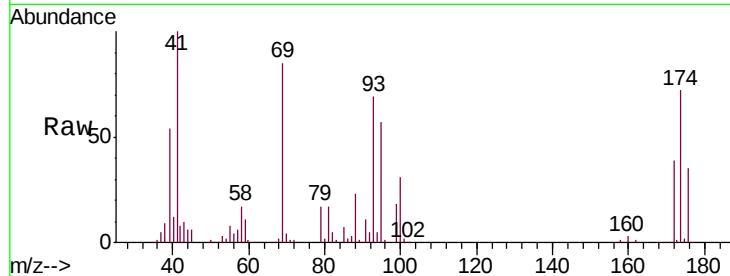
Tot Ion: 88 Resp: 28364

Ion Ratio Lower Upper

88 100

43 35.2 26.9 40.3

58 73.0 57.3 85.9



#50

Toluene-d8

Concen: 50.75 ug/l

RT: 10.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VN050159.D

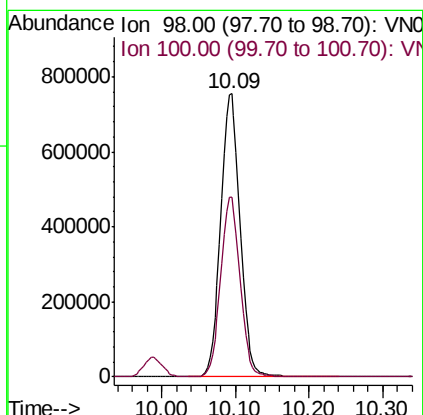
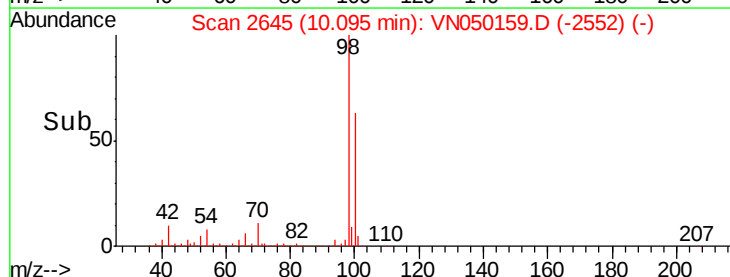
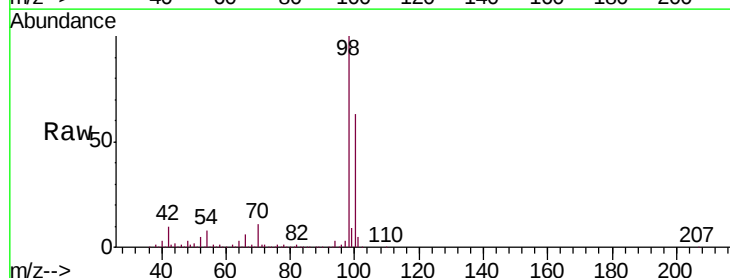
Acq: 28 Jul 2018 4:14

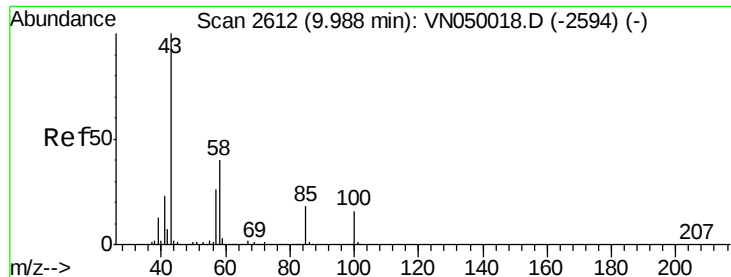
Tgt Ion: 98 Resp: 1385319

Ion Ratio Lower Upper

98 100

100 63.6 50.7 76.1

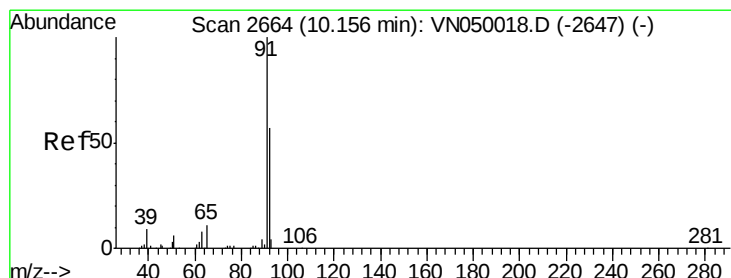
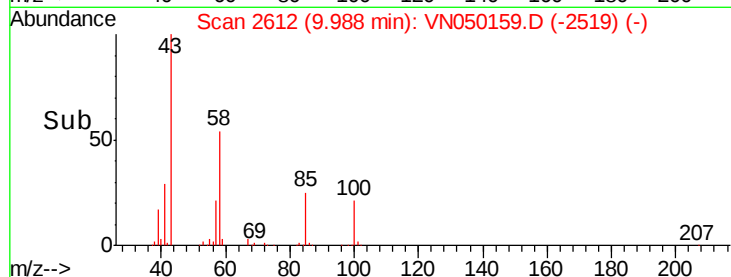
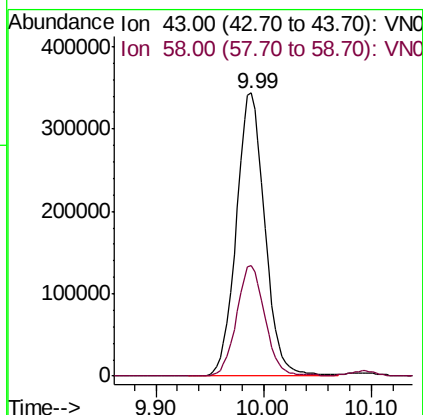
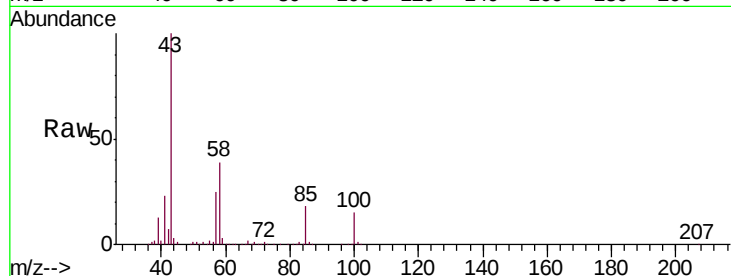




#51
4-Methyl-2-Pentanone
Concen: 89.99 ug/l
RT: 9.99 min Scan# 2612
Delta R.T. 0.00 min
Lab File: VN050159.D
Acq: 28 Jul 2018 4:14

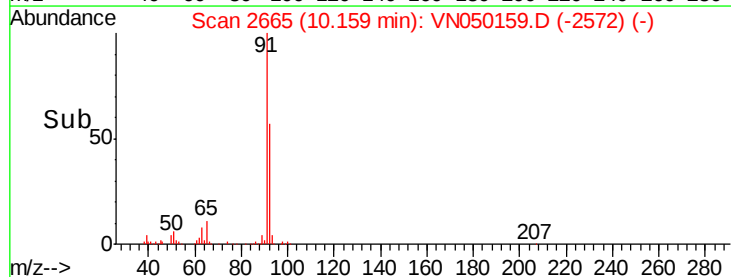
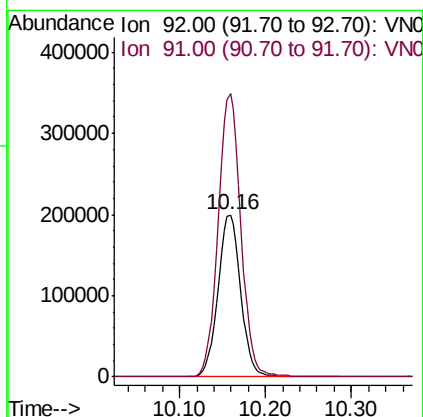
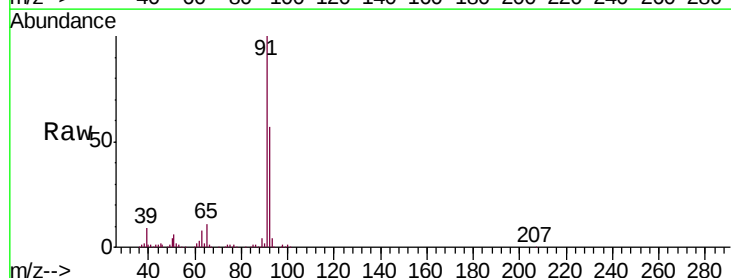
Instrument :
MSVOA_N
ClientSampleId :
VN0727WBS03

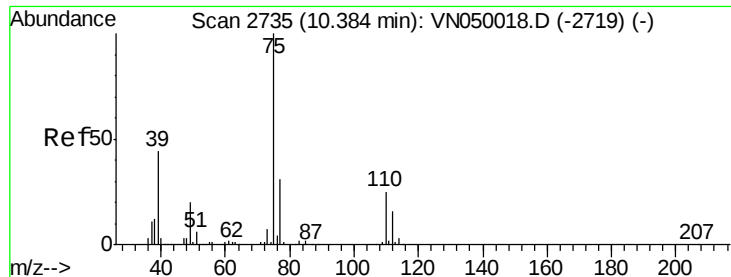
Tot Ion: 43 Resp: 631894
Ion Ratio Lower Upper
43 100
58 39.1 31.9 47.9



#52
Toluene
Concen: 19.94 ug/l
RT: 10.16 min Scan# 2665
Delta R.T. 0.00 min
Lab File: VN050159.D
Acq: 28 Jul 2018 4:14

Tgt Ion: 92 Resp: 366836
Ion Ratio Lower Upper
92 100
91 175.2 140.3 210.5





#53

t-1,3-Dichloropropene

Concen: 17.49 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN050159.D

Acq: 28 Jul 2018 4:14

Instrument :

MSVOA_N

ClientSampled :

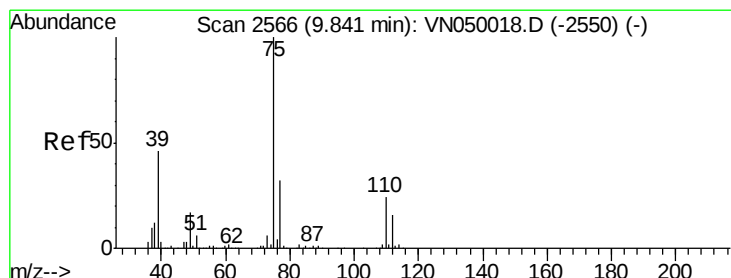
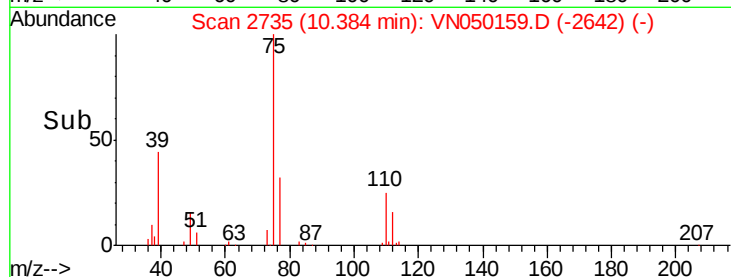
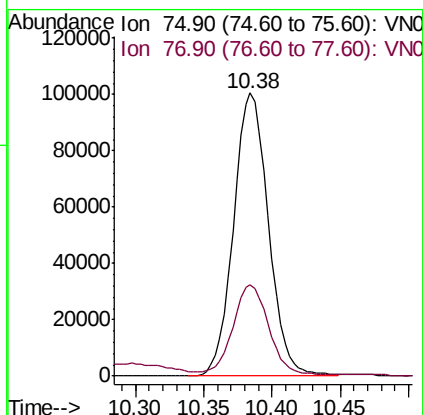
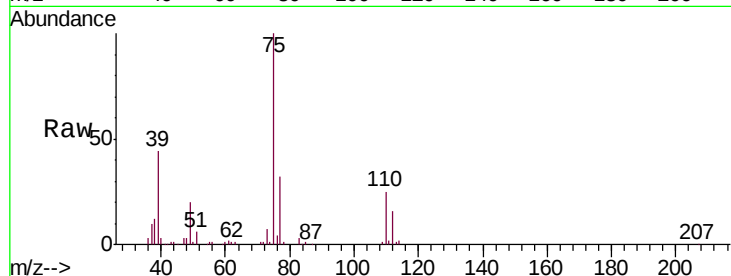
VN0727WBS03

Tot Ion: 75 Resp: 178571

Ion Ratio Lower Upper

75 100

77 31.5 24.9 37.3



#54

cis-1,3-Dichloropropene

Concen: 18.05 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. -0.00 min

Lab File: VN050159.D

Acq: 28 Jul 2018 4:14

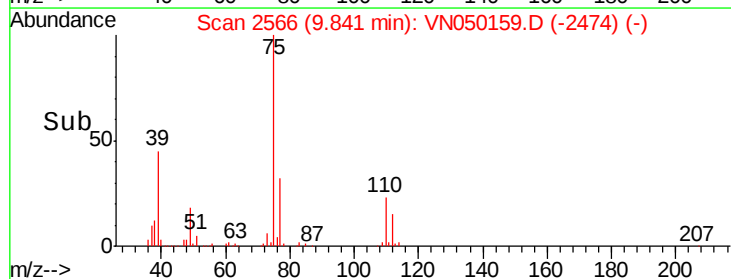
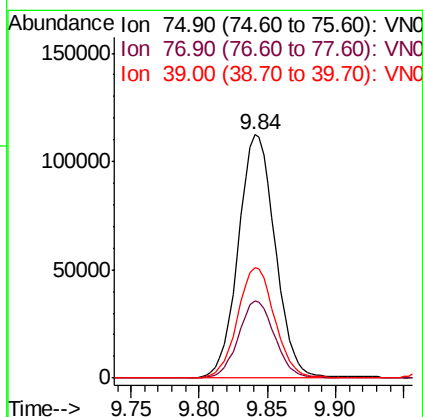
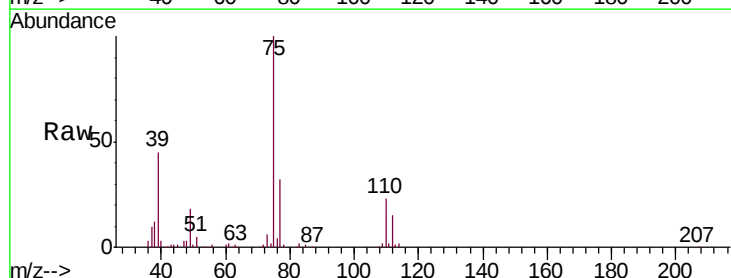
Tgt Ion: 75 Resp: 210683

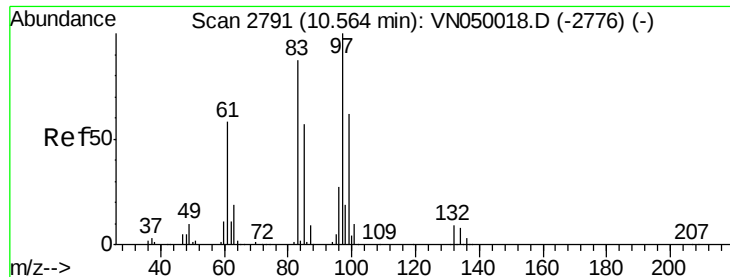
Ion Ratio Lower Upper

75 100

77 31.8 25.5 38.3

39 45.3 36.6 55.0





#55

1,1,2-Trichloroethane

Concen: 19.40 ug/l

RT: 10.56 min Scan# 2791

Delta R.T. -0.00 min

Lab File: VN050159.D

Acq: 28 Jul 2018 4:14

Instrument :

MSVOA_N

ClientSampleId :

VN0727WBS03

Tot Ion: 97 Resp: 141581

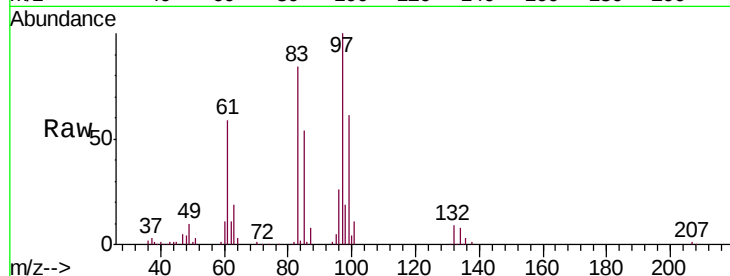
Ion Ratio Lower Upper

97 100

83 84.4 69.2 103.8

85 54.2 44.0 66.0

99 60.6 49.9 74.9

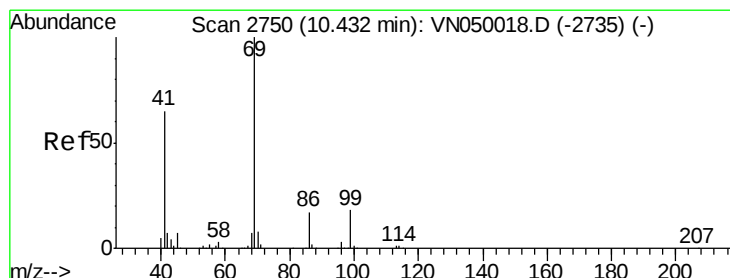
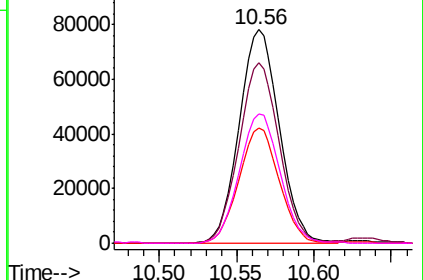
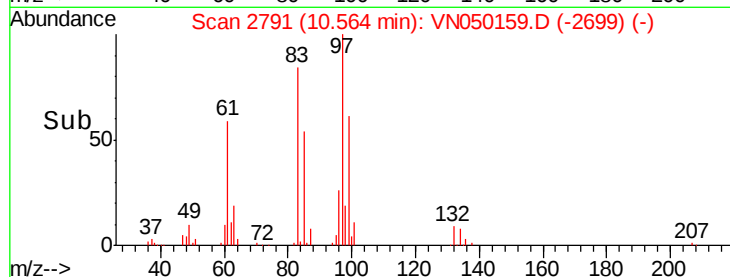


Abundance Ion 96.90 (96.60 to 97.60): VNO

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: 17.72 ug/l

RT: 10.43 min Scan# 2750

Delta R.T. 0.00 min

Lab File: VN050159.D

Acq: 28 Jul 2018 4:14

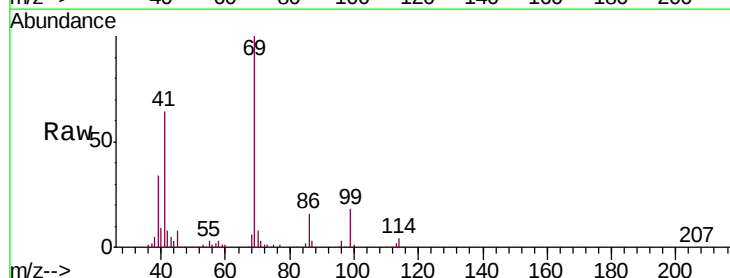
Tgt Ion: 69 Resp: 161712

Ion Ratio Lower Upper

69 100

41 63.4 51.0 76.4

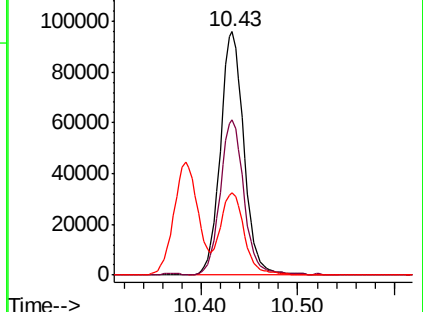
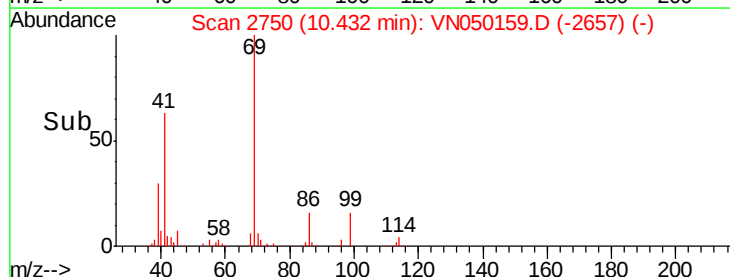
39 34.1 26.6 40.0

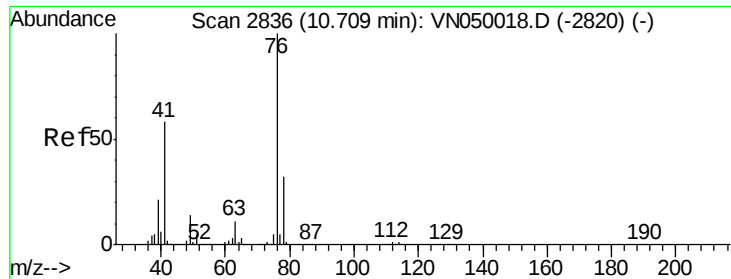


Abundance Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO





#57

1,3-Dichloropropane

Concen: 19.26 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. 0.00 min

Lab File: VN050159.D

Acq: 28 Jul 2018 4:14

Instrument :

MSVOA_N

ClientSampled :

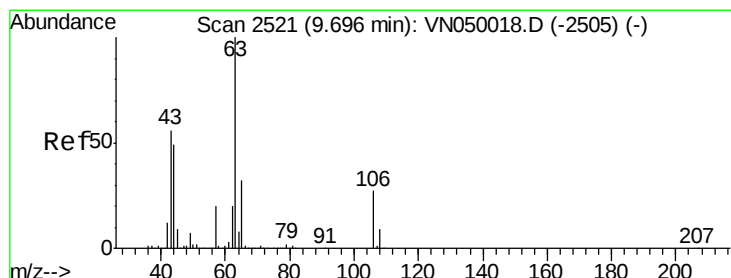
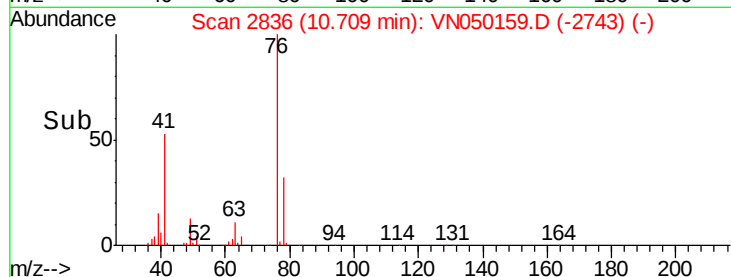
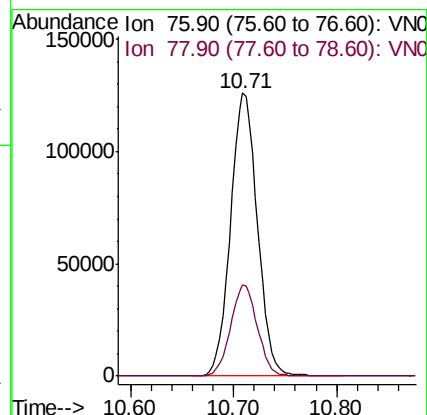
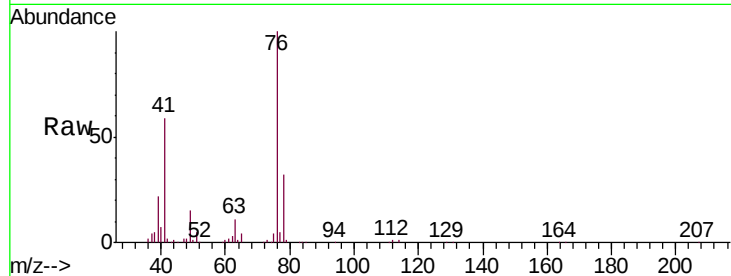
VN0727WBS03

Tot Ion: 76 Resp: 228971

Ion Ratio Lower Upper

76 100

78 32.1 25.7 38.5



#58

2-Chloroethyl Vinyl ether

Concen: 85.70 ug/l

RT: 9.70 min Scan# 2522

Delta R.T. 0.00 min

Lab File: VN050159.D

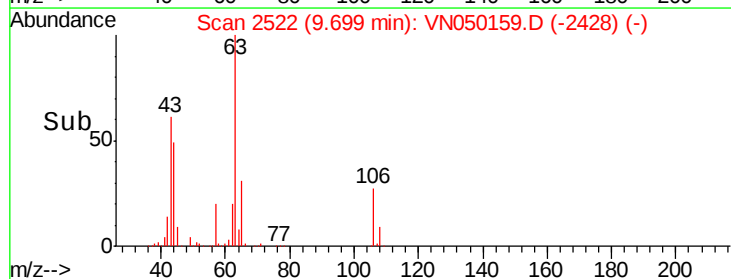
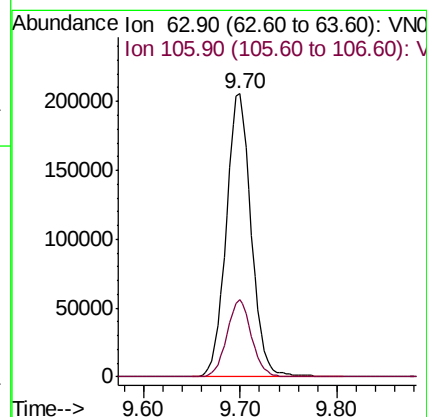
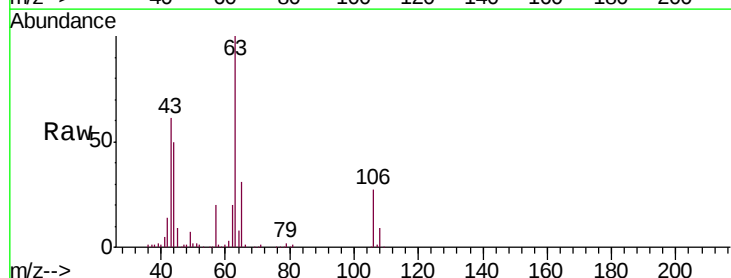
Acq: 28 Jul 2018 4:14

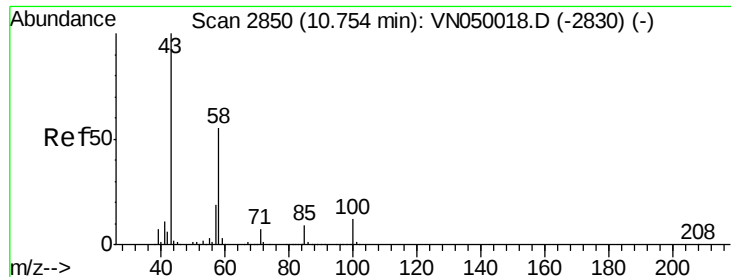
Tgt Ion: 63 Resp: 369064

Ion Ratio Lower Upper

63 100

106 26.7 21.7 32.5

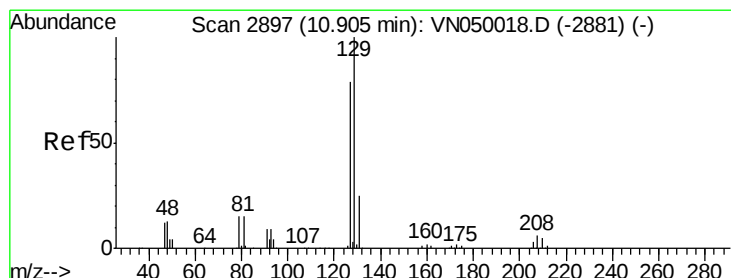
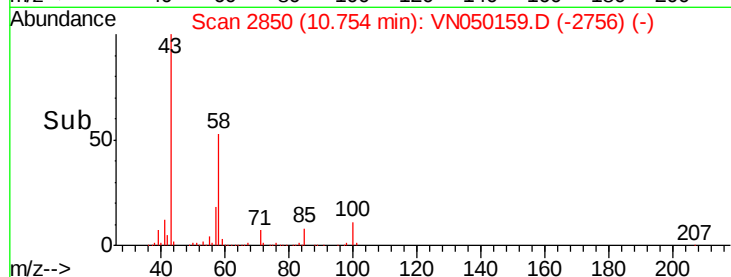
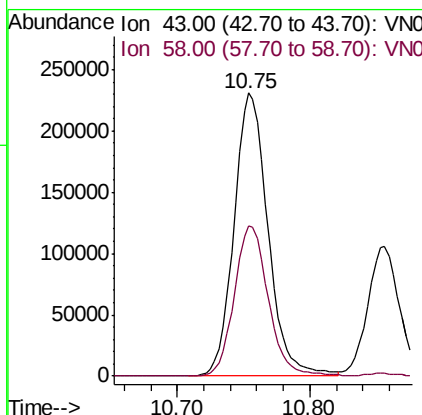
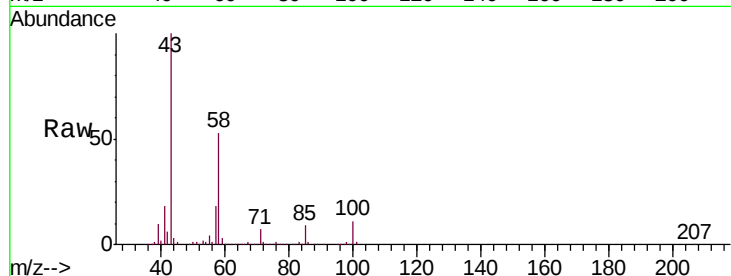




#59
2-Hexanone
Concen: 82.62 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN050159.D
Acq: 28 Jul 2018 4:14

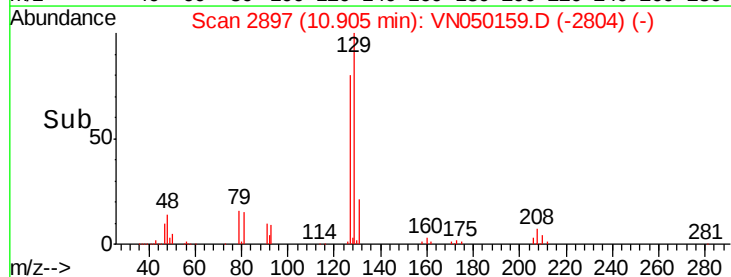
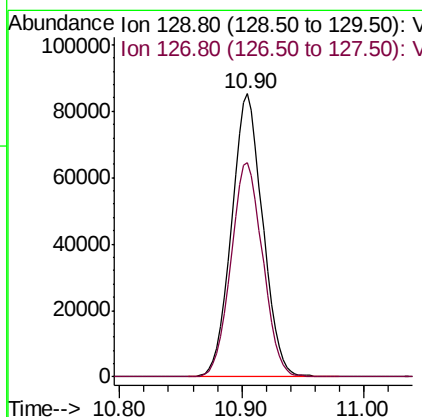
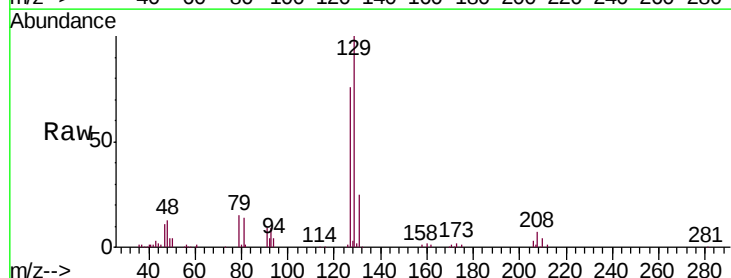
Instrument :
MSVOA_N
ClientSampleId :
VN0727WBS03

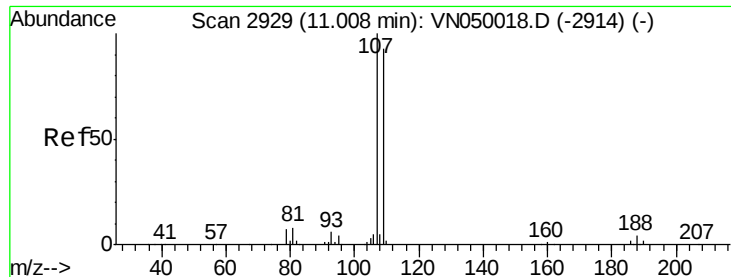
Tot Ion: 43 Resp: 408049
Ion Ratio Lower Upper
43 100
58 53.5 27.6 82.7



#60
Dibromochloromethane
Concen: 18.70 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VN050159.D
Acq: 28 Jul 2018 4:14

Tgt Ion: 129 Resp: 151084
Ion Ratio Lower Upper
129 100
127 77.1 38.0 113.9

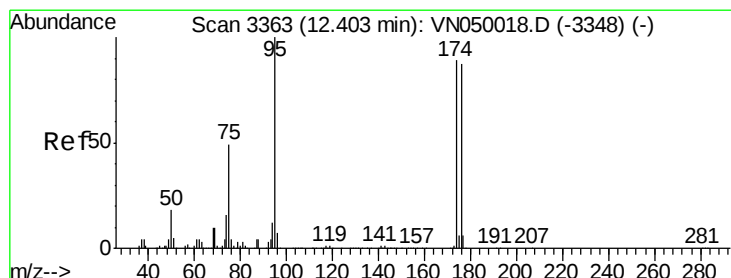
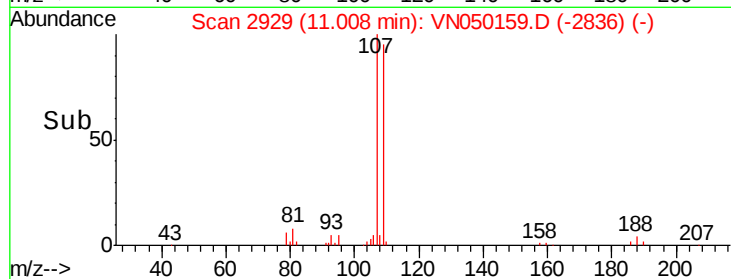
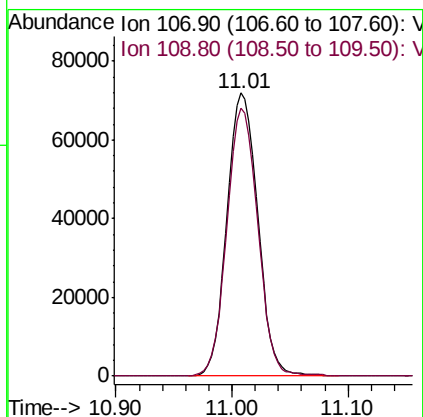
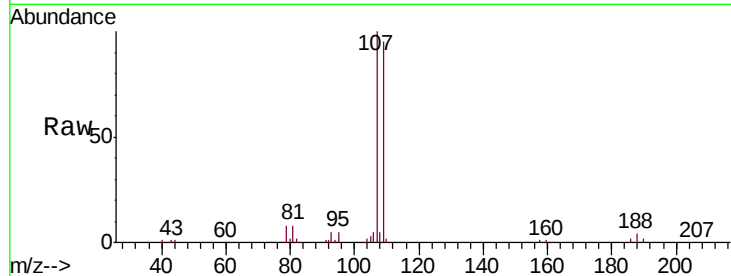




#61
 1,2-Dibromoethane
 Concen: 18.30 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. 0.00 min
 Lab File: VN050159.D
 Acq: 28 Jul 2018 4:14

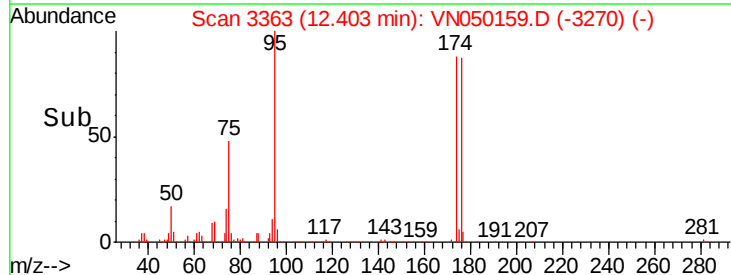
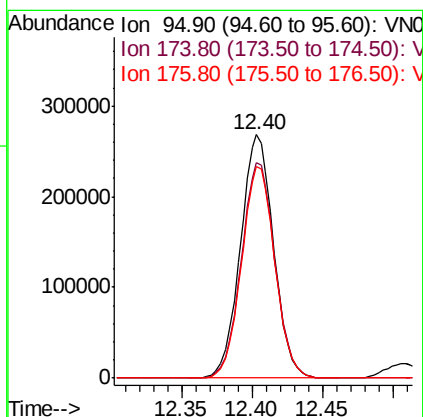
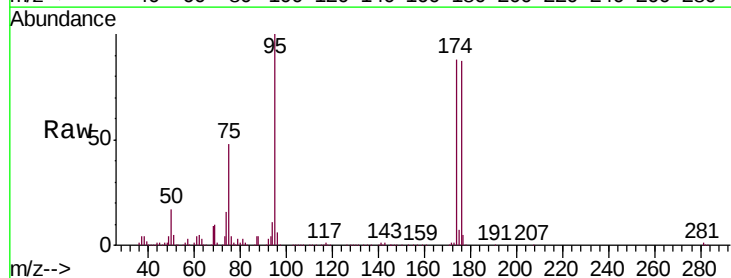
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0727WBS03

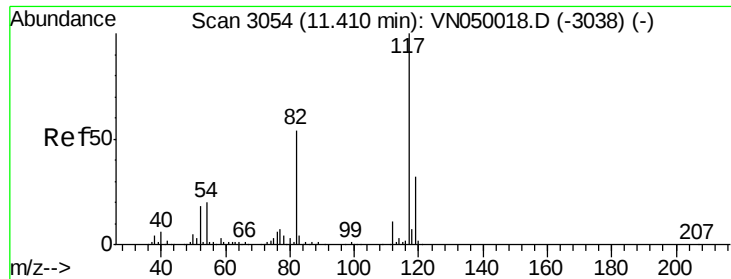
Tot Ion:107 Resp: 132503
 Ion Ratio Lower Upper
 107 100
 109 94.7 74.6 112.0



#62
 4-Bromofluorobenzene
 Concen: 49.05 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN050159.D
 Acq: 28 Jul 2018 4:14

Tgt Ion: 95 Resp: 440837
 Ion Ratio Lower Upper
 95 100
 174 89.7 0.0 178.2
 176 87.6 0.0 173.4

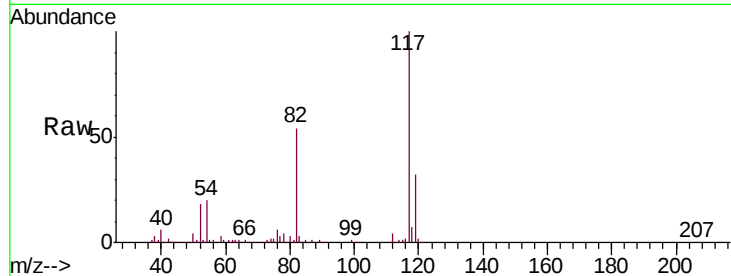




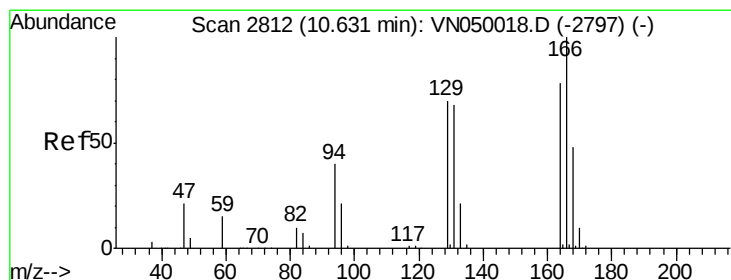
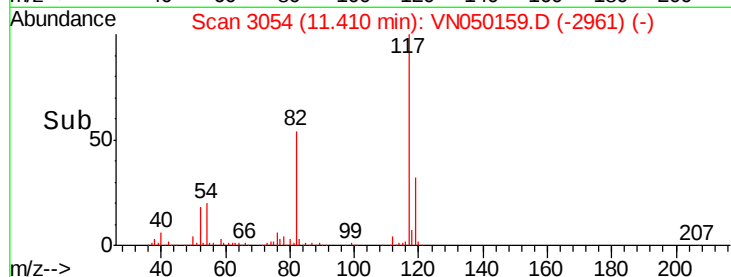
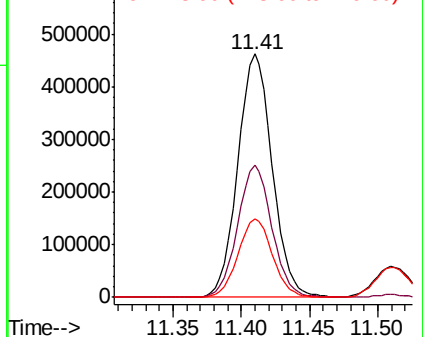
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050159.D
Acq: 28 Jul 2018 4:14

Instrument :
MSVOA_N
ClientSampleId :
VN0727WBS03

Tot Ion:117 Resp: 809168
Ion Ratio Lower Upper
117 100
82 54.1 43.7 65.5
119 32.2 26.1 39.1

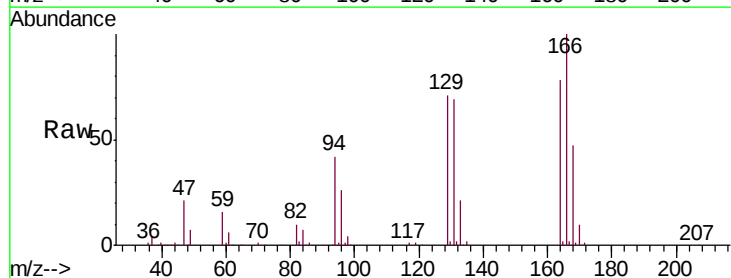


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

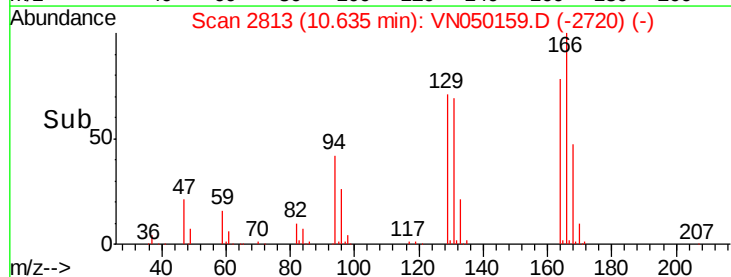
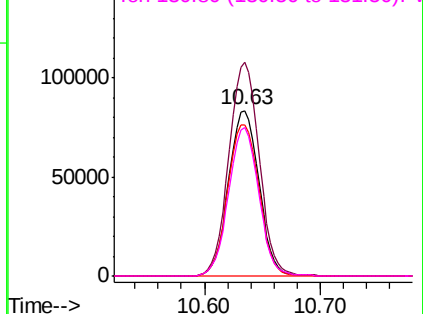


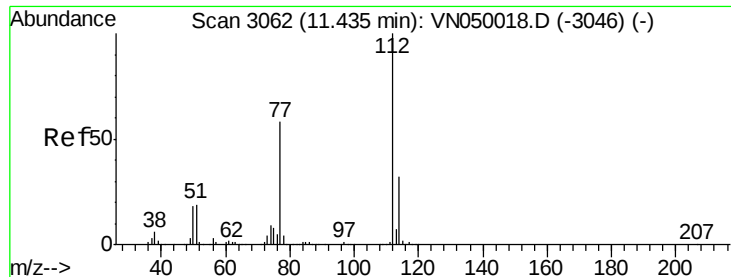
#64
Tetrachloroethene
Concen: 19.59 ug/l
RT: 10.63 min Scan# 2813
Delta R.T. 0.00 min
Lab File: VN050159.D
Acq: 28 Jul 2018 4:14

Tgt Ion:164 Resp: 152389
Ion Ratio Lower Upper
164 100
166 128.9 102.1 153.1
129 91.2 73.2 109.8
131 89.5 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

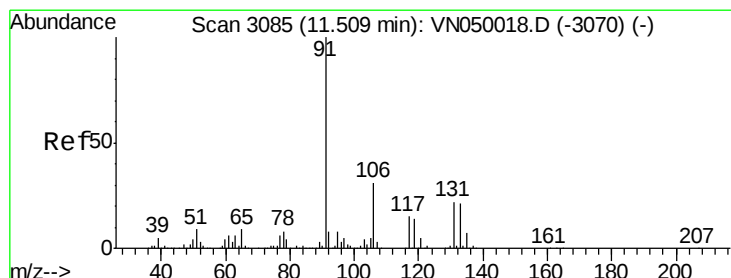
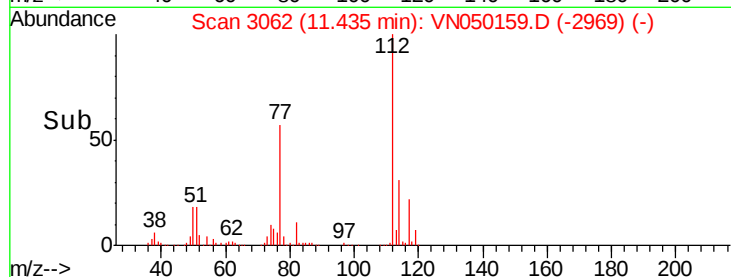
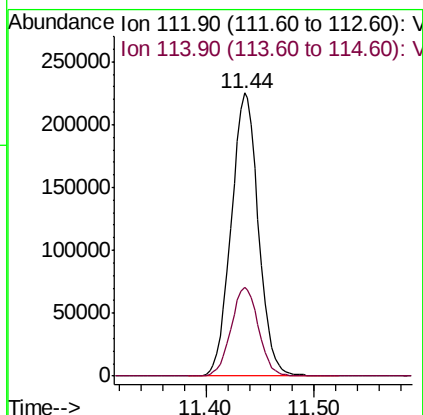
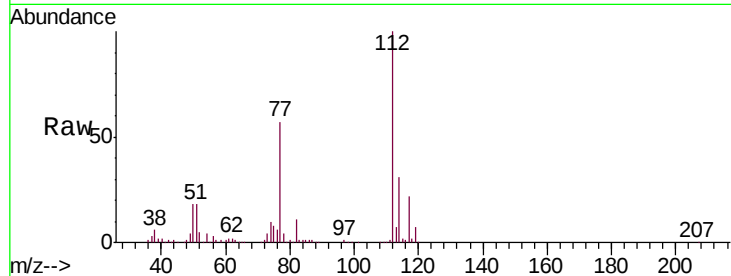




#65
Chlorobenzene
Concen: 19.38 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN050159.D
Acq: 28 Jul 2018 4:14

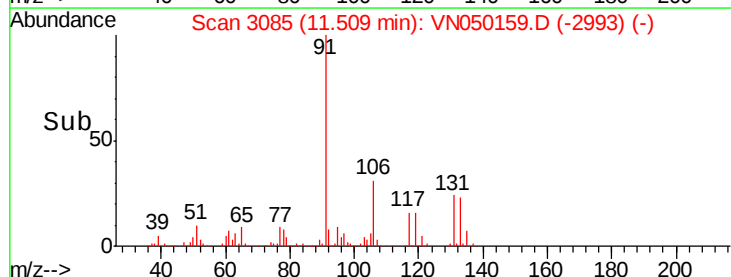
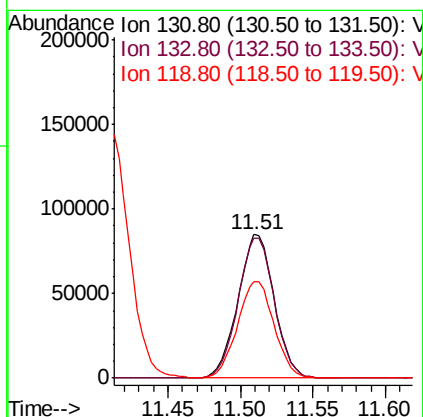
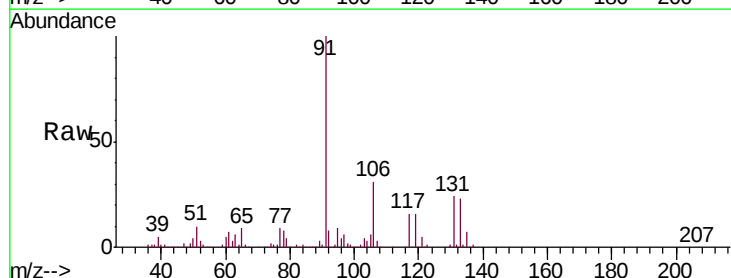
Instrument :
MSVOA_N
ClientSampleId :
VN0727WBS03

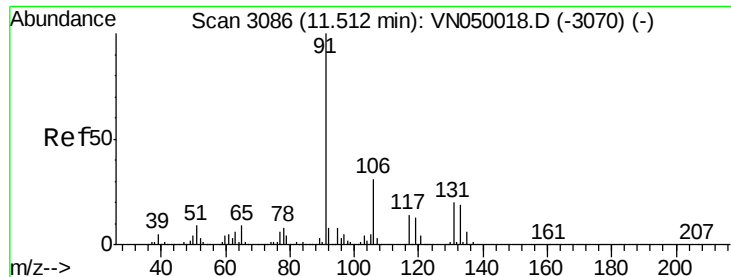
Tot Ion:112 Resp: 396075
Ion Ratio Lower Upper
112 100
114 31.3 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 18.80 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. -0.00 min
Lab File: VN050159.D
Acq: 28 Jul 2018 4:14

Tgt Ion:131 Resp: 147617
Ion Ratio Lower Upper
131 100
133 97.5 47.3 141.9
119 68.0 32.9 98.7





#67

Ethyl Benzene

Concen: 19.59 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN050159.D

Acq: 28 Jul 2018 4:14

Instrument :

MSVOA_N

ClientSampled :

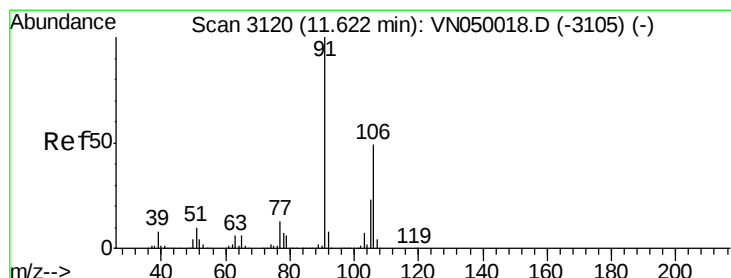
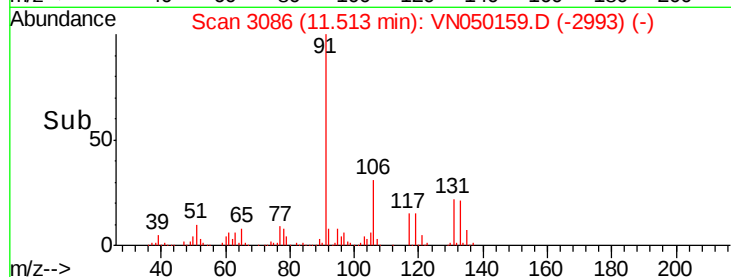
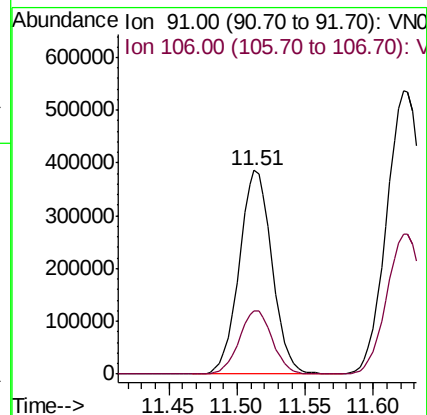
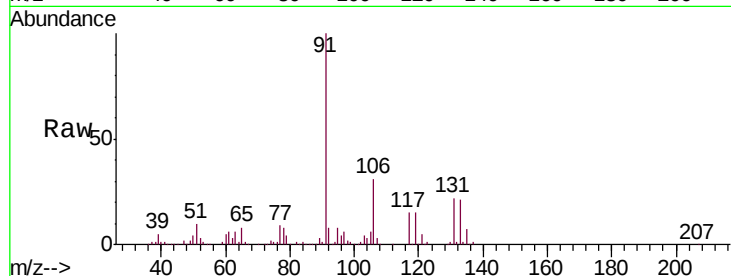
VN0727WBS03

Tot Ion: 91 Resp: 643337

Ion Ratio Lower Upper

91 100

106 31.2 25.0 37.4



#68

m/p-Xylenes

Concen: 40.73 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. -0.00 min

Lab File: VN050159.D

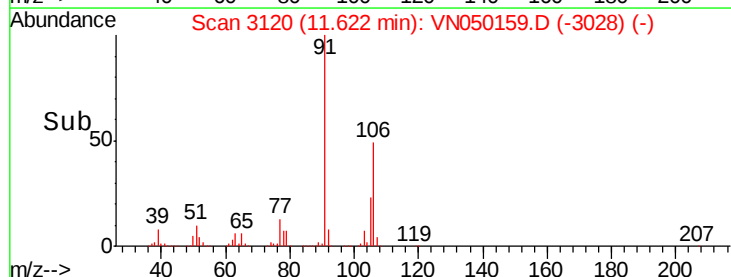
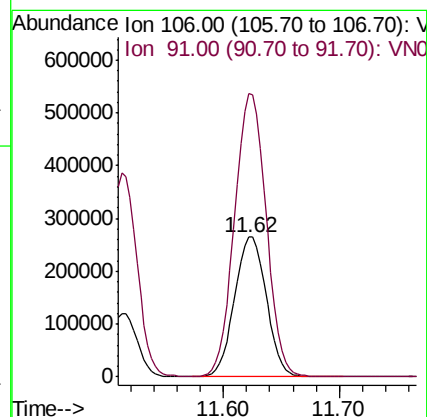
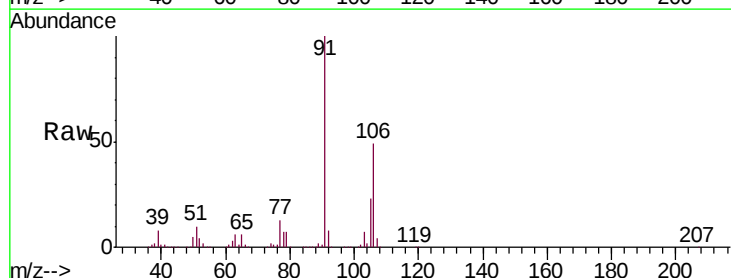
Acq: 28 Jul 2018 4:14

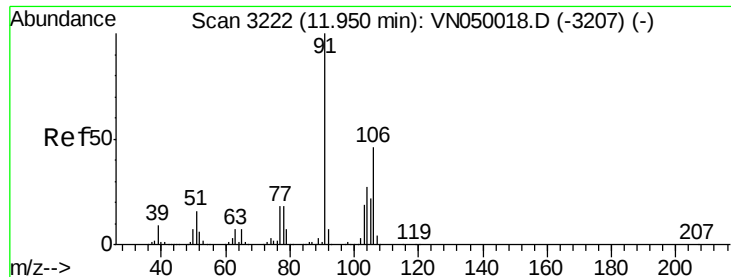
Tgt Ion: 106 Resp: 505804

Ion Ratio Lower Upper

106 100

91 200.9 162.2 243.2

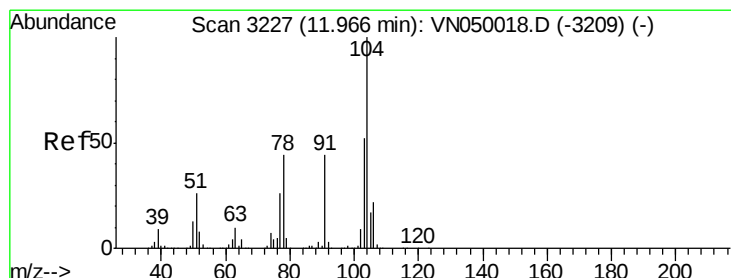
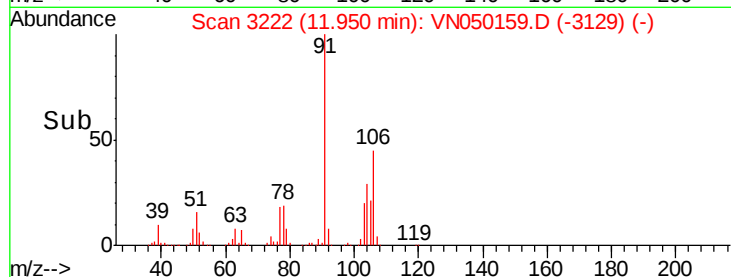
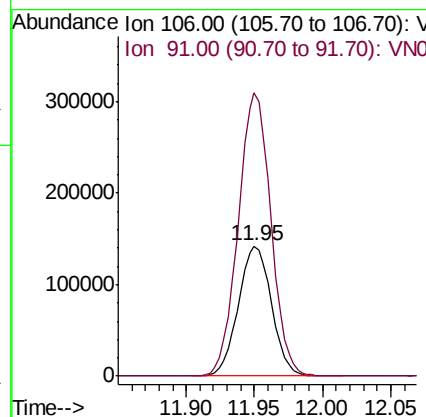
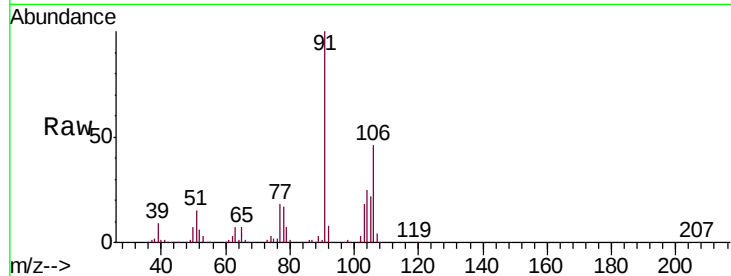




#69
o-Xylene
Concen: 20.28 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN050159.D
Acq: 28 Jul 2018 4:14

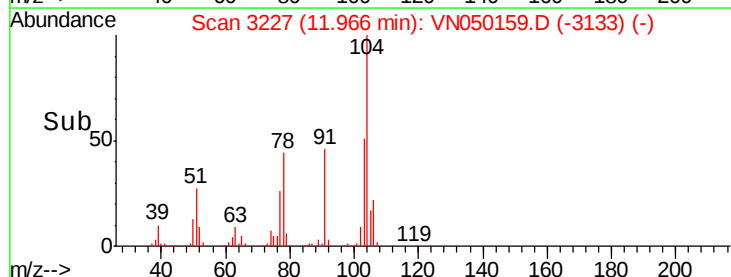
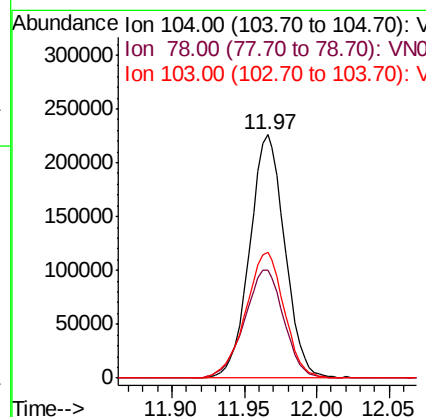
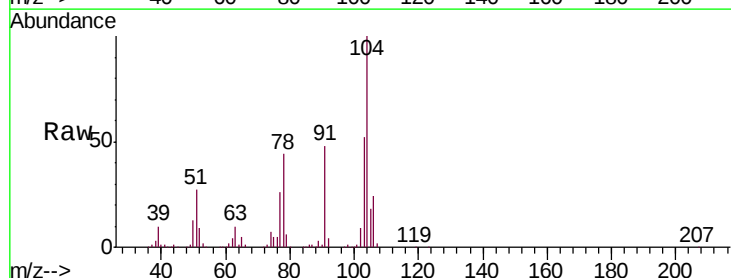
Instrument :
MSVOA_N
ClientSampleId :
VN0727WBS03

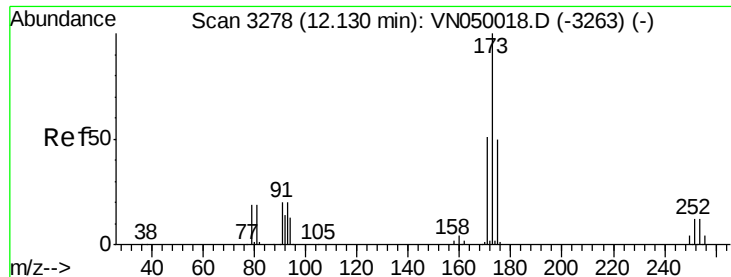
Tot Ion:106 Resp: 240050
Ion Ratio Lower Upper
106 100
91 214.5 107.7 323.1



#70
Styrene
Concen: 18.70 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN050159.D
Acq: 28 Jul 2018 4:14

Tgt Ion:104 Resp: 381314
Ion Ratio Lower Upper
104 100
78 49.9 39.3 58.9
103 56.8 45.0 67.6





#71

Bromoform

Concen: 18.41 ug/l

RT: 12.13 min Scan# 3277

Delta R.T. -0.00 min

Lab File: VN050159.D

Acq: 28 Jul 2018 4:14

Instrument :

MSVOA_N

ClientSampleId :

VN0727WBS03

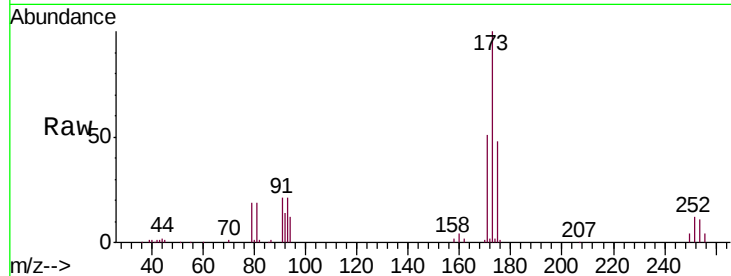
Tot Ion:173 Resp: 105155

Ion Ratio Lower Upper

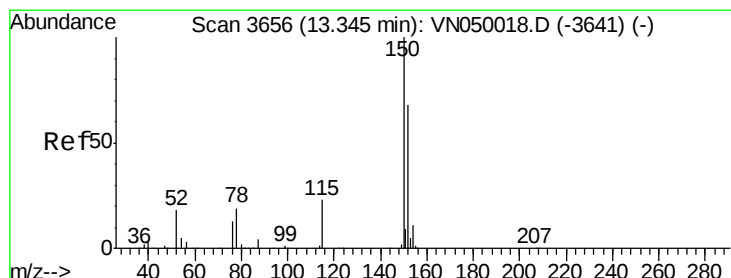
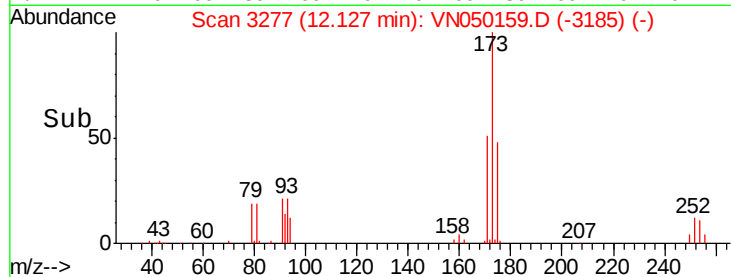
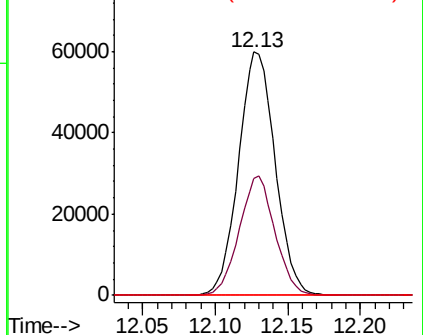
173 100

175 47.7 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: VN050159.D

Acq: 28 Jul 2018 4:14

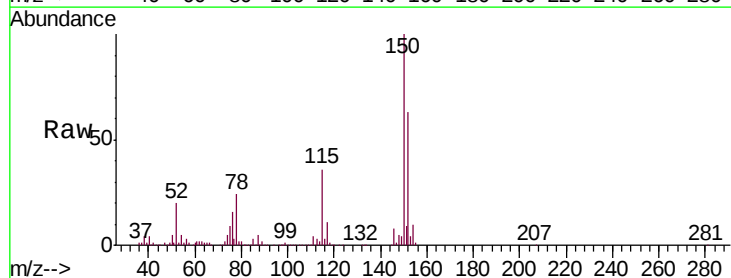
Tgt Ion:152 Resp: 398224

Ion Ratio Lower Upper

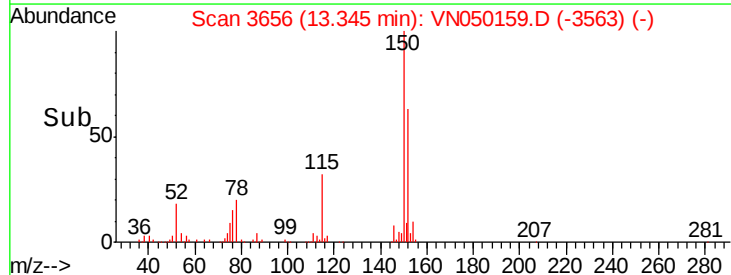
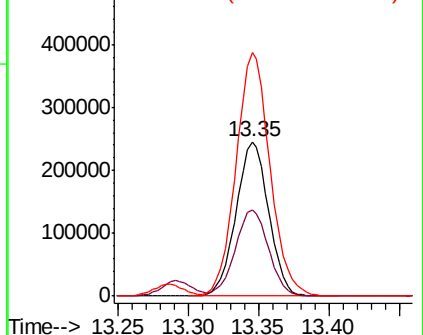
152 100

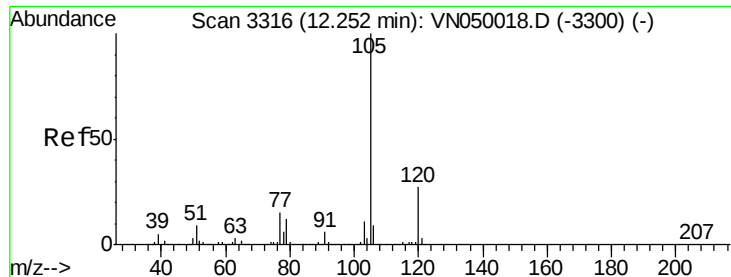
115 57.0 27.8 83.3

150 163.9 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: 20.54 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN050159.D

Acq: 28 Jul 2018 4:14

Instrument :

MSVOA_N

ClientSampleId :

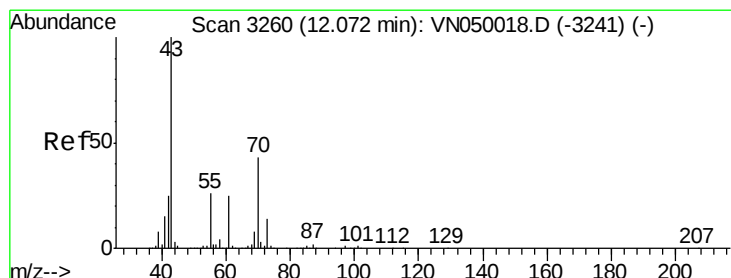
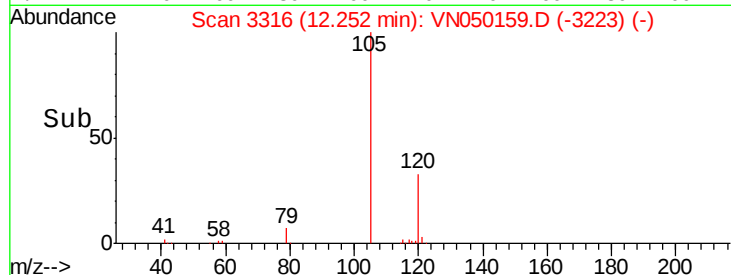
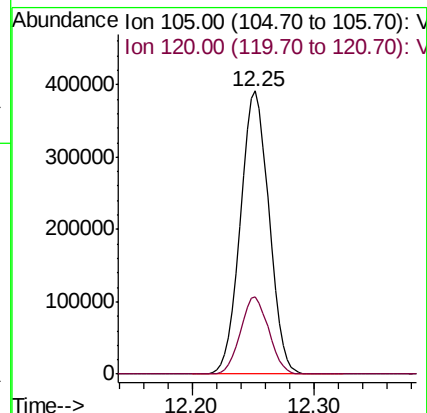
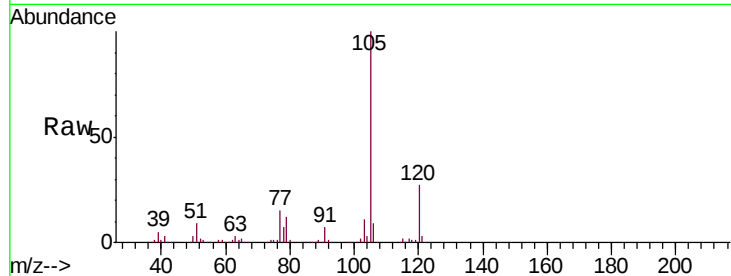
VN0727WBS03

Tot Ion:105 Resp: 634356

Ion Ratio Lower Upper

105 100

120 27.0 13.3 39.8



#74

N-ethyl acetate

Concen: 17.98 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN050159.D

Acq: 28 Jul 2018 4:14

Tgt Ion: 43 Resp: 169677

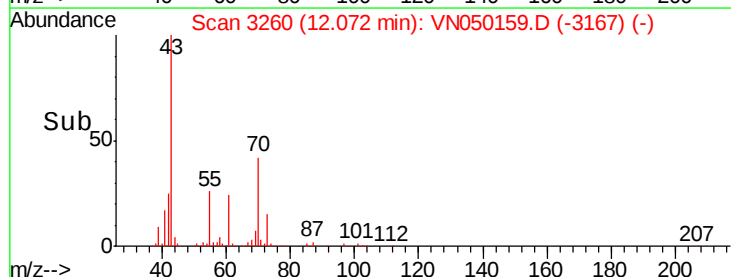
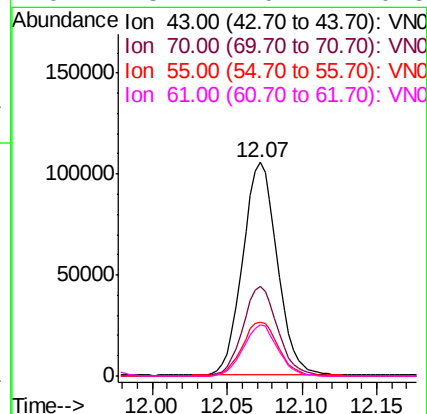
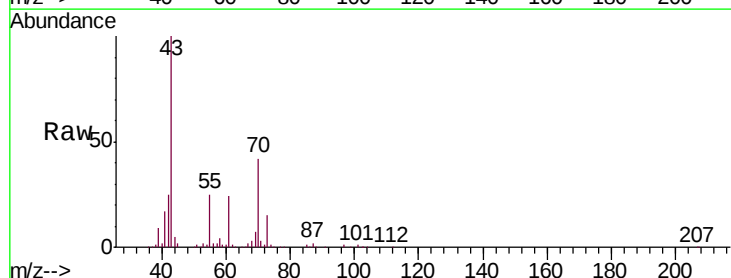
Ion Ratio Lower Upper

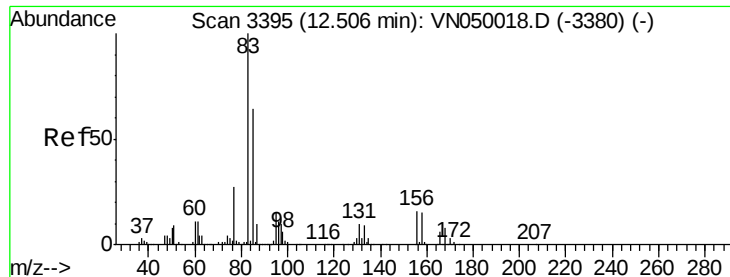
43 100

70 42.3 34.4 51.6

55 26.7 20.8 31.2

61 23.7 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 19.83 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN050159.D

Acq: 28 Jul 2018 4:14

Instrument :

MSVOA_N

ClientSampleId :

VN0727WBS03

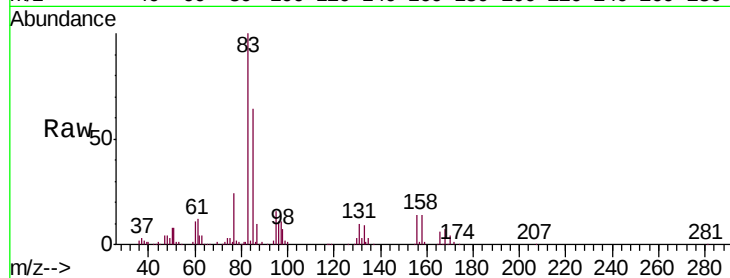
Tot Ion: 83 Resp: 172397

Ion Ratio Lower Upper

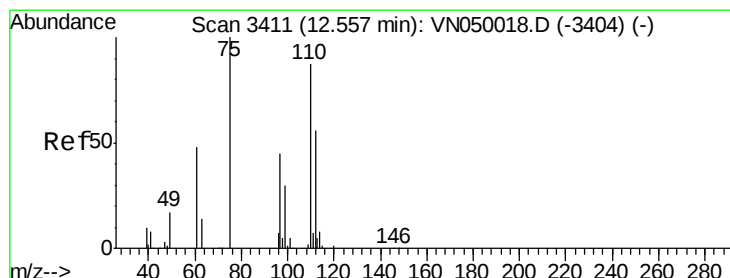
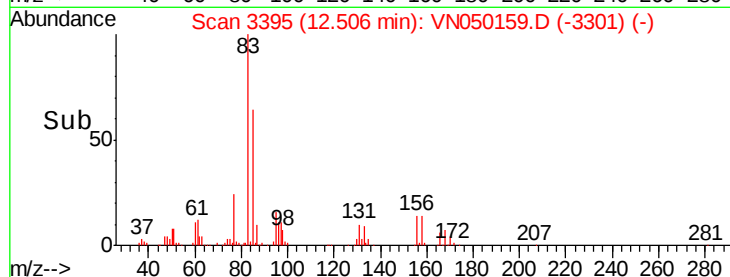
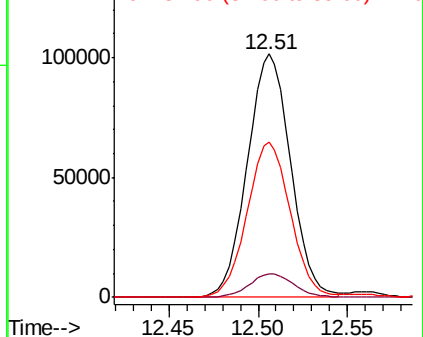
83 100

131 10.1 5.1 15.3

85 63.6 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 26.70 ug/l

RT: 12.56 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN050159.D

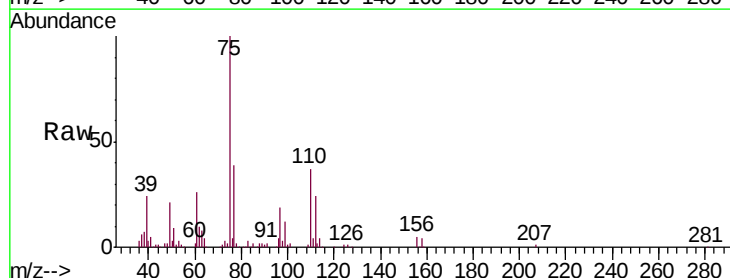
Acq: 28 Jul 2018 4:14

Tgt Ion: 75 Resp: 197606

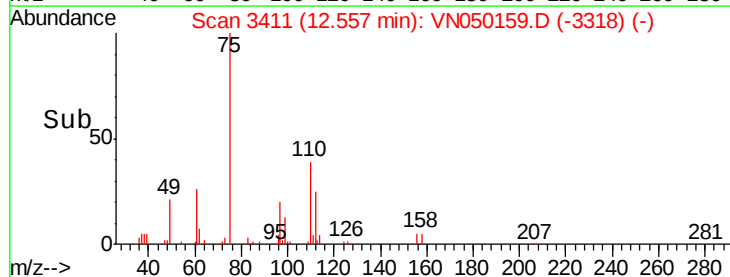
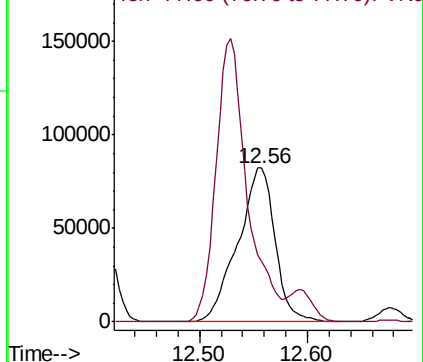
Ion Ratio Lower Upper

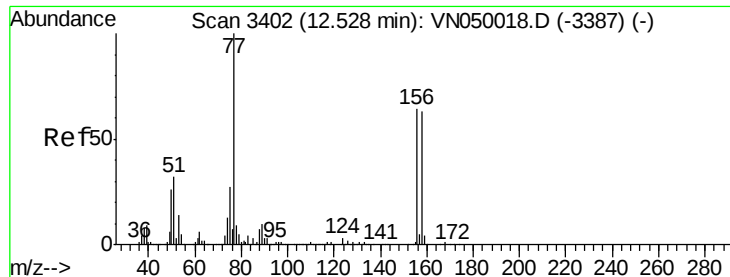
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 19.43 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN050159.D

Acq: 28 Jul 2018 4:14

Instrument :

MSVOA_N

ClientSampleId :

VN0727WBS03

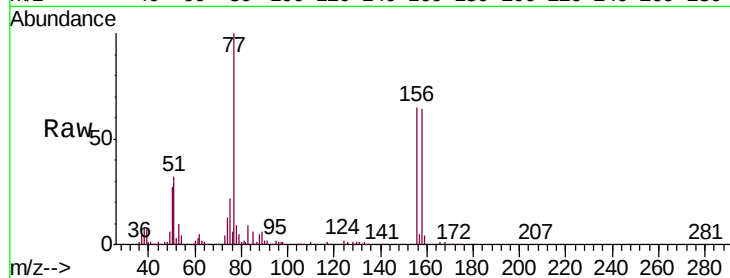
Tot Ion:156 Resp: 166334

Ion Ratio Lower Upper

156 100

77 183.1 91.7 275.1

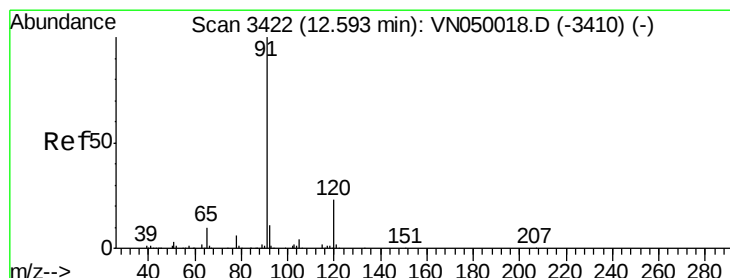
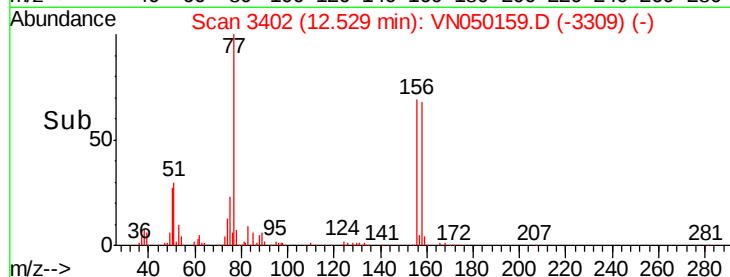
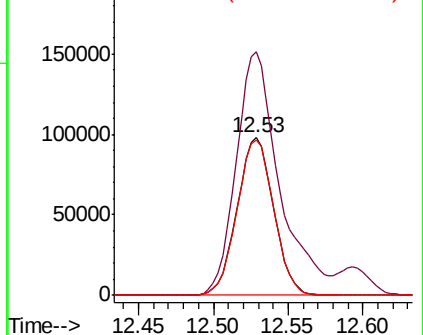
158 99.5 48.9 146.6



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: 20.81 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN050159.D

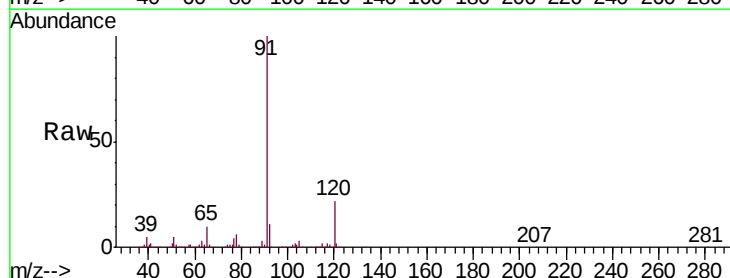
Acq: 28 Jul 2018 4:14

Tgt Ion: 91 Resp: 718222

Ion Ratio Lower Upper

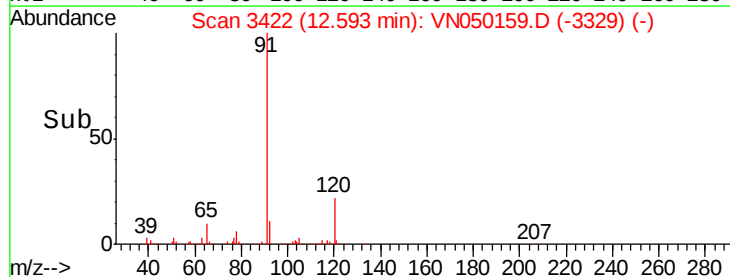
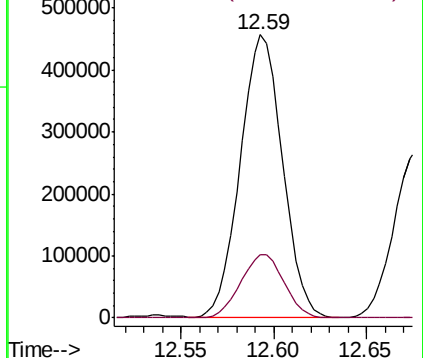
91 100

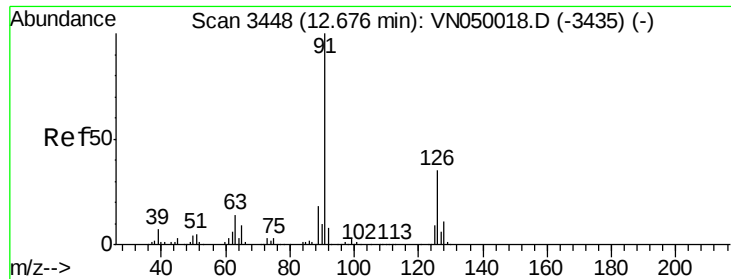
120 23.0 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.71 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN050159.D

Acq: 28 Jul 2018 4:14

Instrument :

MSVOA_N

ClientSampleId :

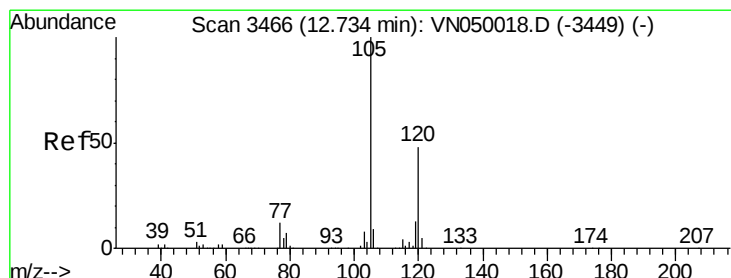
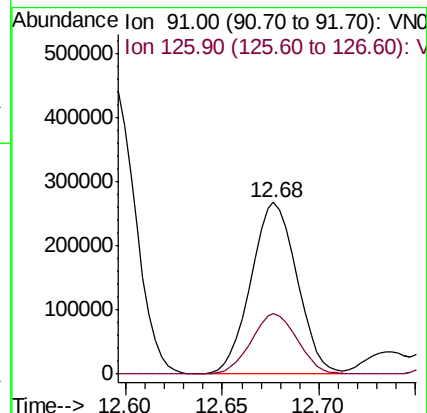
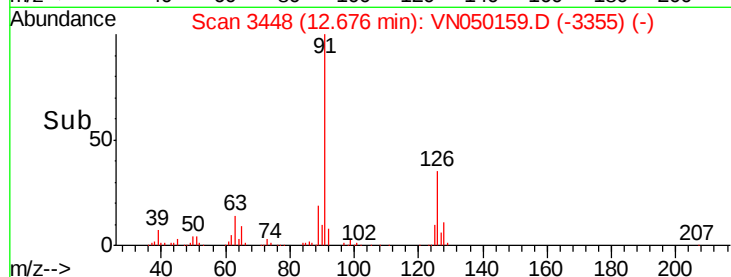
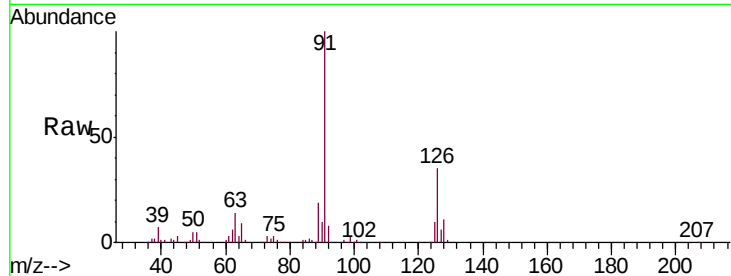
VN0727WBS03

Tot Ion: 91 Resp: 443187

Ion Ratio Lower Upper

91 100

126 35.5 17.6 52.8



#80

1,3,5-Trimethylbenzene

Concen: 21.50 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050159.D

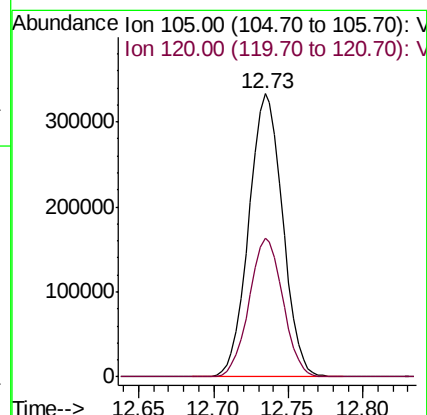
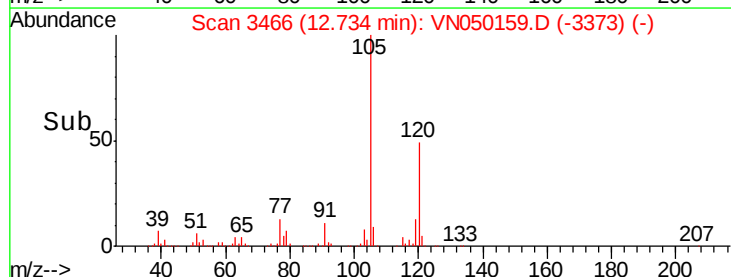
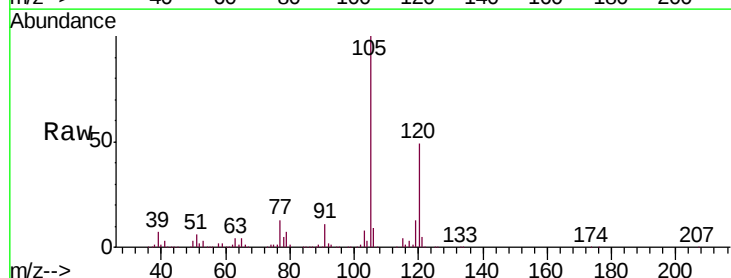
Acq: 28 Jul 2018 4:14

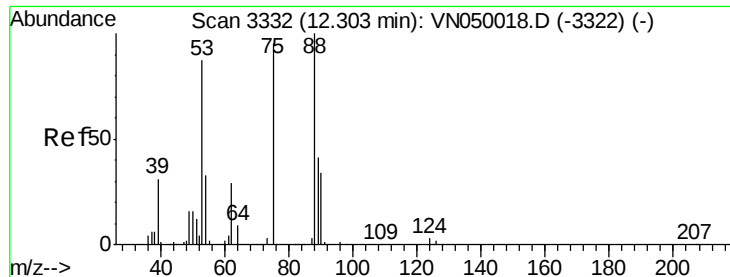
Tgt Ion: 105 Resp: 522418

Ion Ratio Lower Upper

105 100

120 49.1 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 15.11 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN050159.D

Acq: 28 Jul 2018 4:14

Instrument :

MSVOA_N

ClientSampleId :

VN0727WBS03

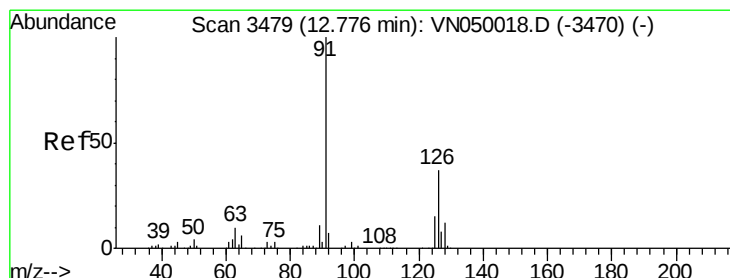
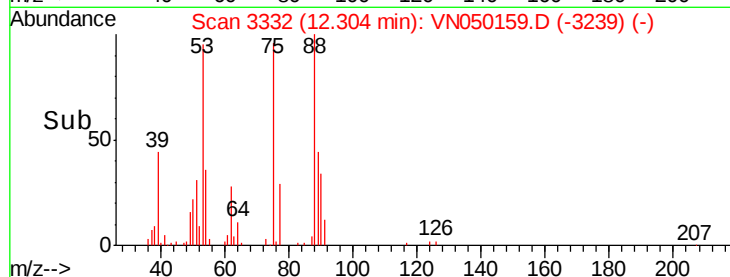
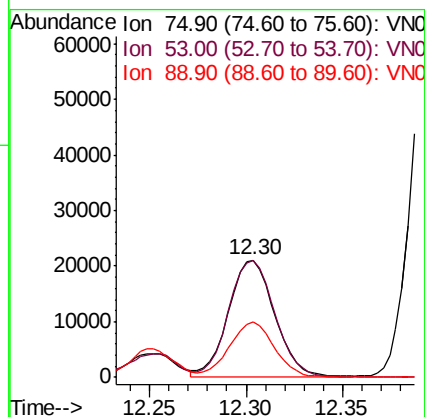
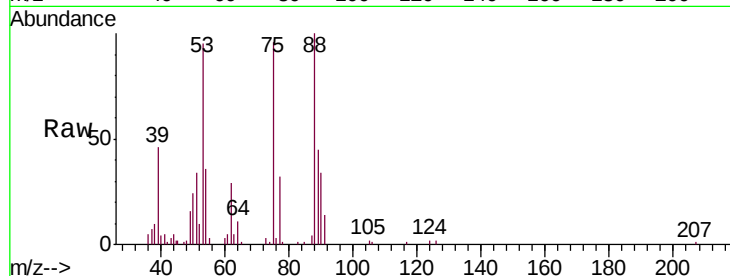
Tot Ion: 75 Resp: 35260

Ion Ratio Lower Upper

75 100

53 100.5 73.5 110.3

89 45.9 36.0 54.0



#82

4-Chlorotoluene

Concen: 20.78 ug/l

RT: 12.78 min Scan# 3479

Delta R.T. 0.00 min

Lab File: VN050159.D

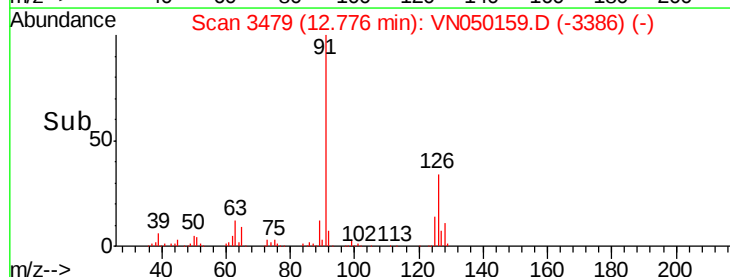
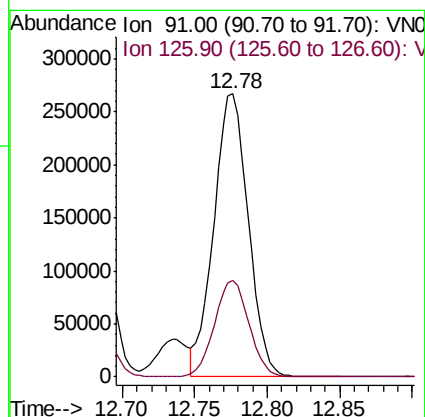
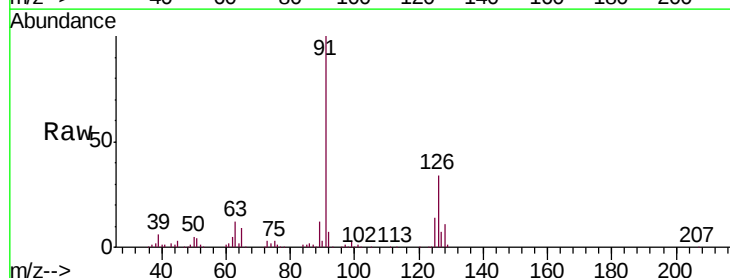
Acq: 28 Jul 2018 4:14

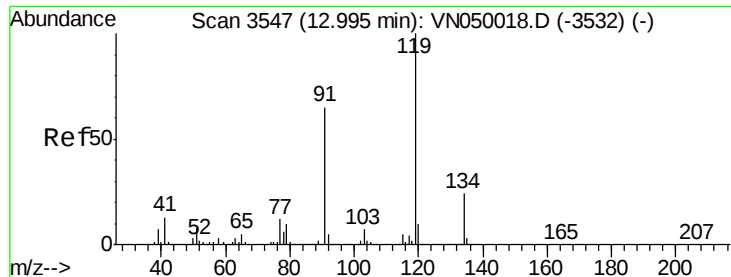
Tgt Ion: 91 Resp: 440316

Ion Ratio Lower Upper

91 100

126 34.3 17.0 51.0

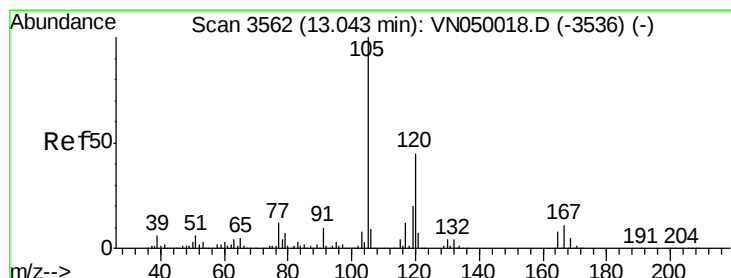
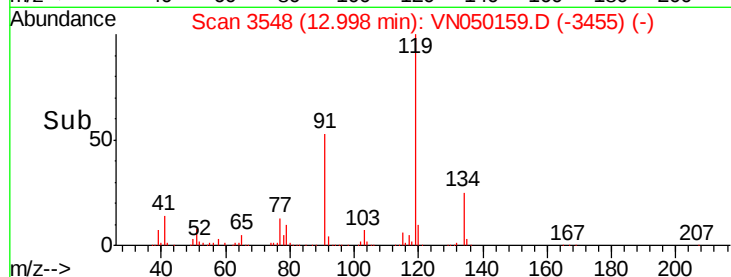
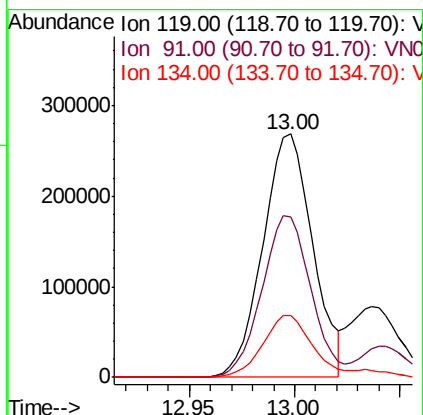
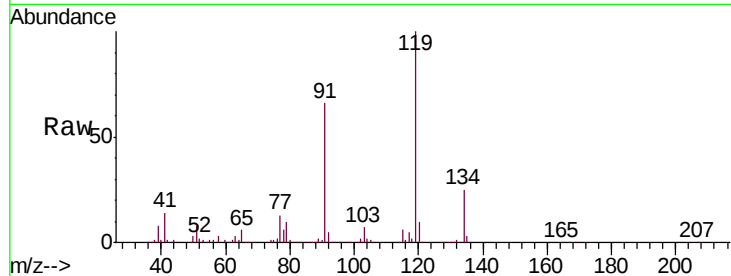




#83
 tert-Butylbenzene
 Concen: 20.84 ug/l
 RT: 13.00 min Scan# 3548
 Delta R.T. 0.00 min
 Lab File: VN050159.D
 Acq: 28 Jul 2018 4:14

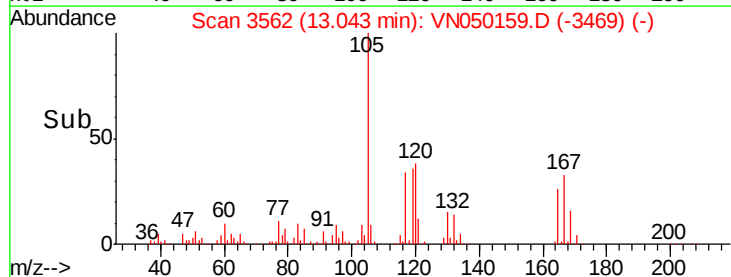
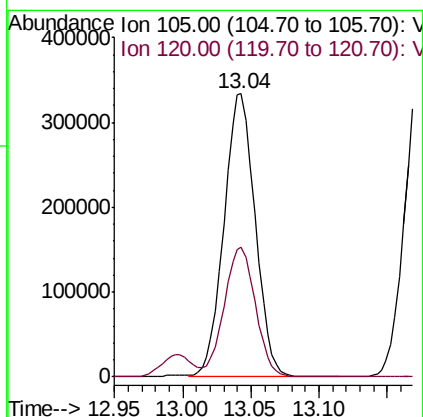
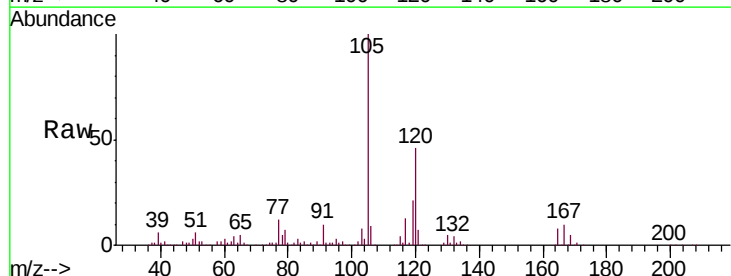
Instrument :
 MSVOA_N
 ClientSampled :
 VN0727WBS03

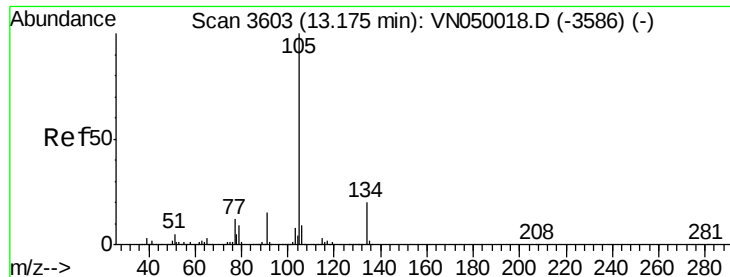
Tot Ion:119 Resp: 441718
 Ion Ratio Lower Upper
 119 100
 91 65.0 32.1 96.3
 134 25.3 13.2 39.5



#84
 1,2,4-Trimethylbenzene
 Concen: 21.63 ug/l
 RT: 13.04 min Scan# 3562
 Delta R.T. 0.00 min
 Lab File: VN050159.D
 Acq: 28 Jul 2018 4:14

Tgt Ion:105 Resp: 529662
 Ion Ratio Lower Upper
 105 100
 120 45.9 22.9 68.7





#85

sec-Butylbenzene

Concen: 20.88 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN050159.D

Acq: 28 Jul 2018 4:14

Instrument :

MSVOA_N

ClientSampleId :

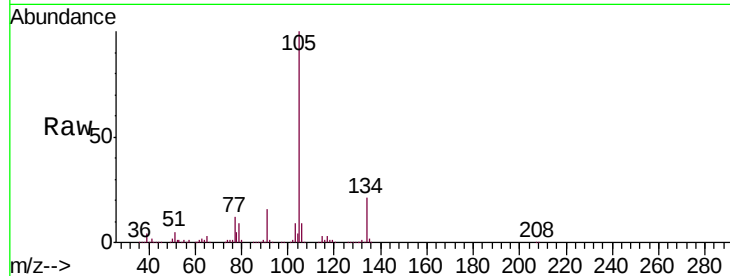
VN0727WBS03

Tot Ion:105 Resp: 591471

Ion Ratio Lower Upper

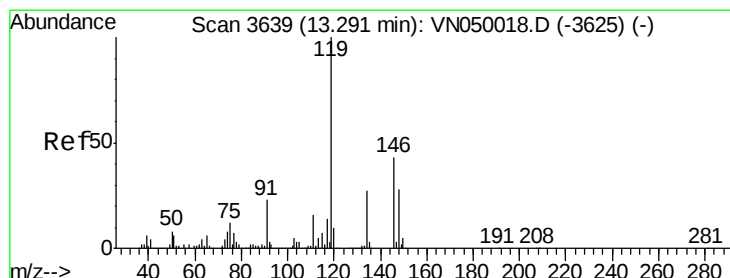
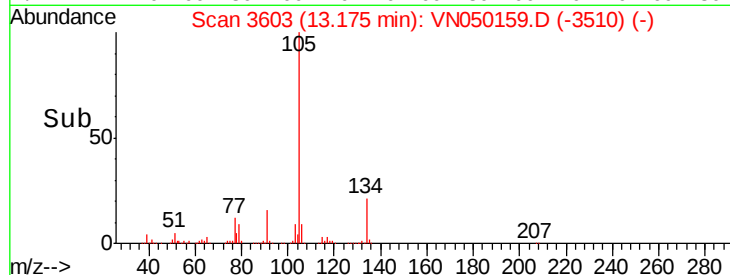
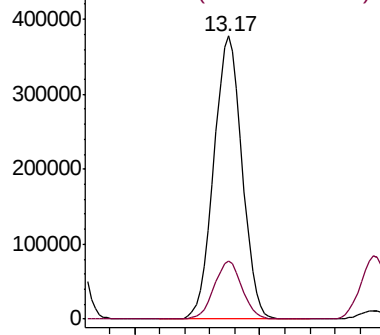
105 100

134 20.2 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: 20.77 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050159.D

Acq: 28 Jul 2018 4:14

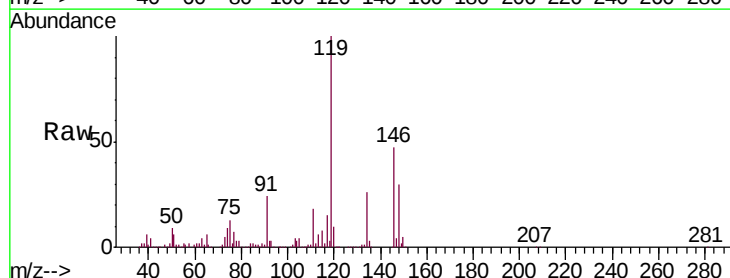
Tgt Ion:119 Resp: 495861

Ion Ratio Lower Upper

119 100

134 26.4 13.3 39.8

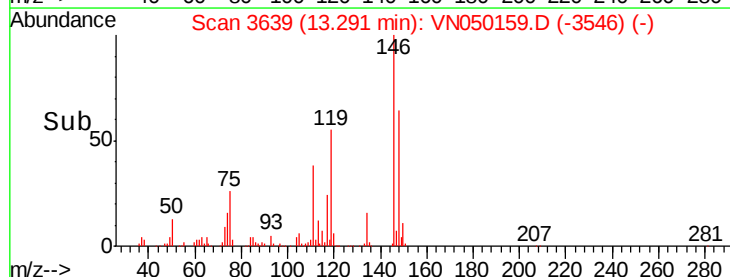
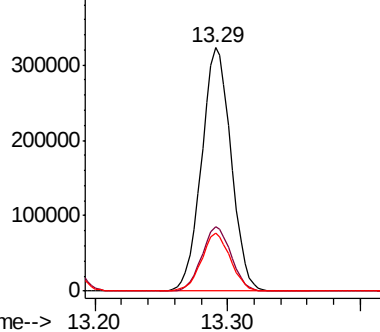
91 23.3 11.4 34.2

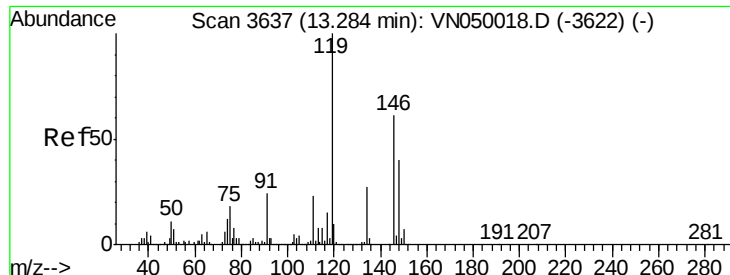


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

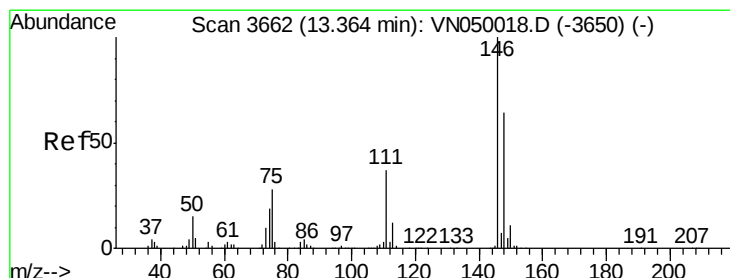
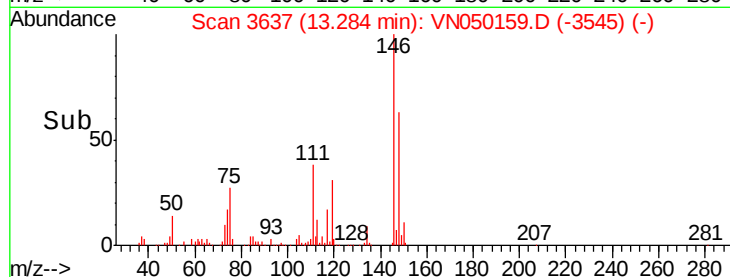
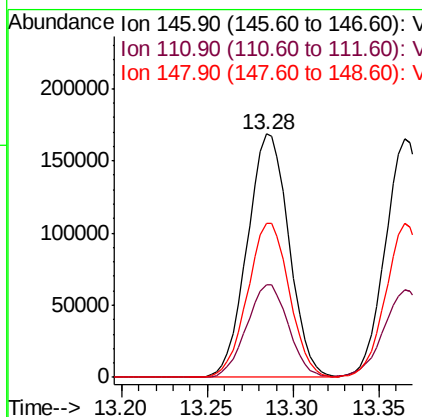
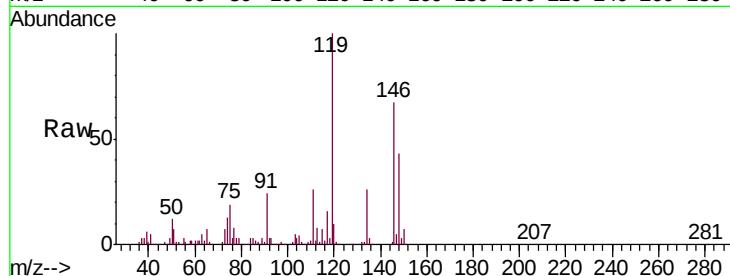




#87
 1,3-Dichlorobenzene
 Concen: 19.48 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. -0.00 min
 Lab File: VN050159.D
 Acq: 28 Jul 2018 4:14

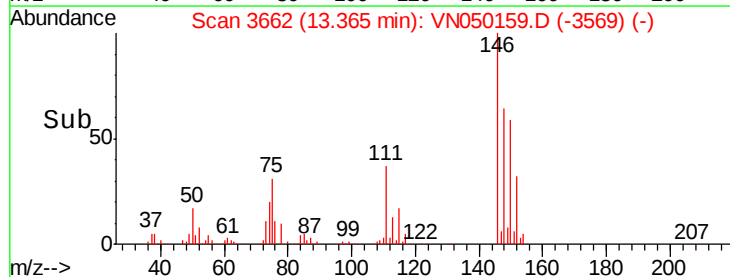
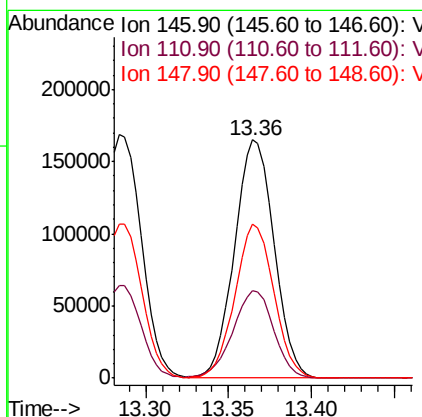
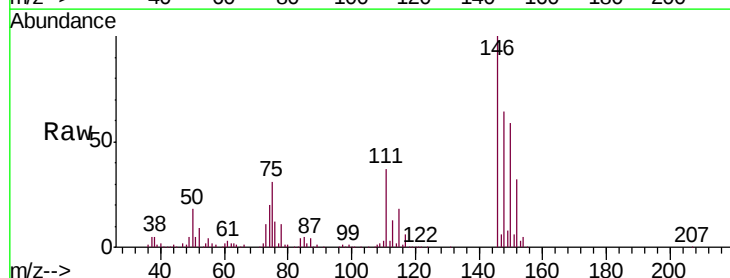
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0727WBS03

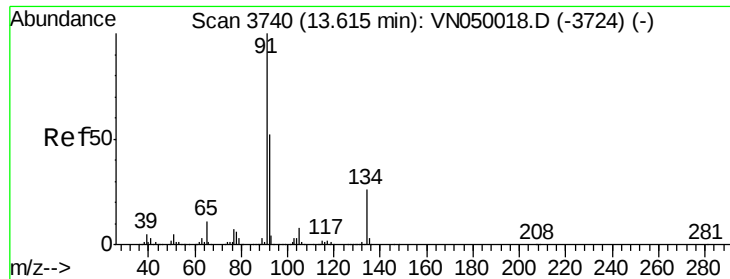
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.1	18.8	56.4
148	63.6	31.9	95.9



#88
 1,4-Dichlorobenzene
 Concen: 19.40 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VN050159.D
 Acq: 28 Jul 2018 4:14

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.9	18.3	54.9
148	63.4	31.9	95.9

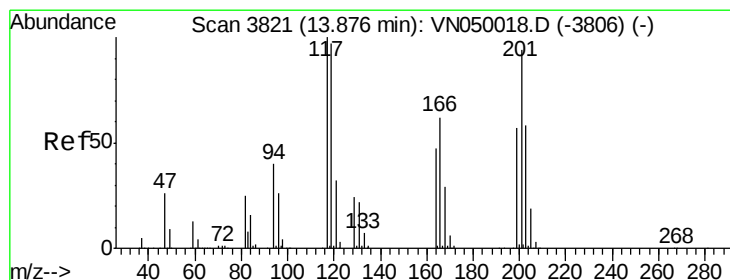
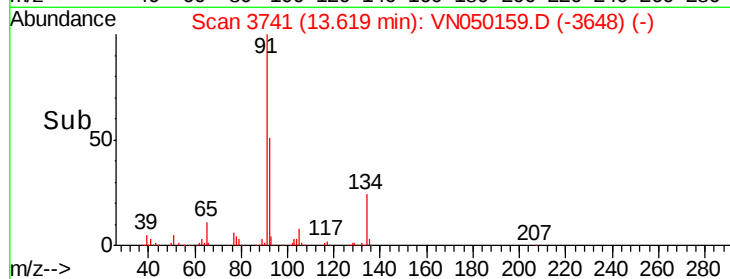
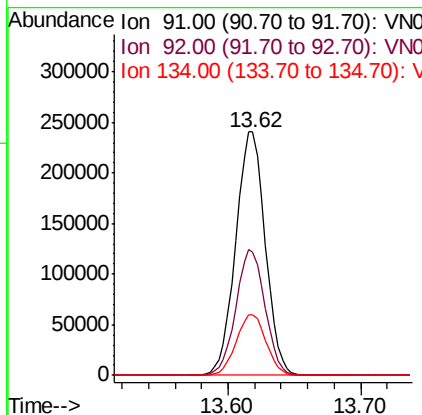
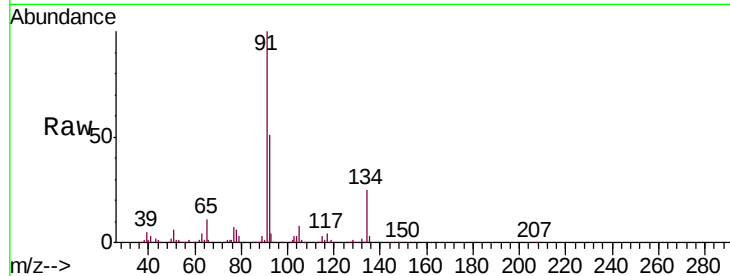




#89
n-Butylbenzene
Concen: 18.95 ug/l
RT: 13.62 min Scan# 3741
Delta R.T. 0.00 min
Lab File: VN050159.D
Acq: 28 Jul 2018 4:14

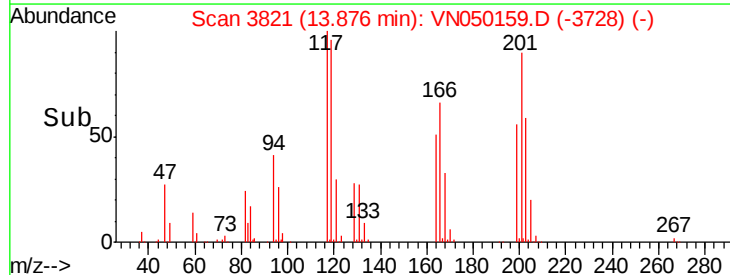
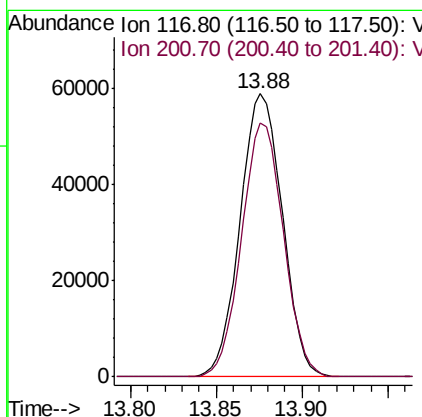
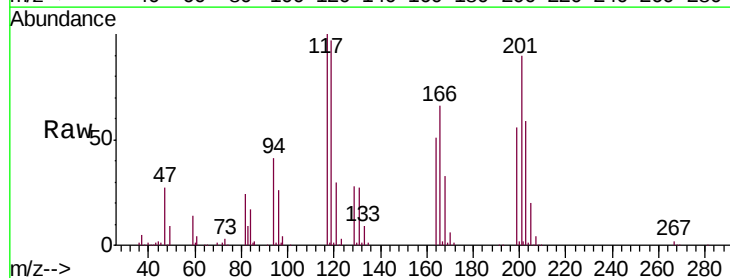
Instrument :
MSVOA_N
ClientSampleId :
VN0727WBS03

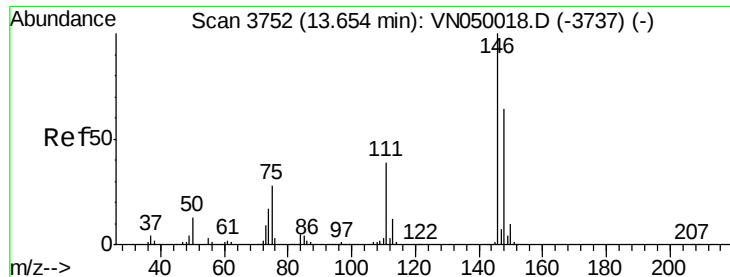
Tot Ion: 91 Resp: 372013
Ion Ratio Lower Upper
91 100
92 50.9 25.8 77.4
134 25.2 12.8 38.4



#90
Hexachloroethane
Concen: 18.98 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN050159.D
Acq: 28 Jul 2018 4:14

Tgt Ion: 117 Resp: 100594
Ion Ratio Lower Upper
117 100
201 88.7 45.6 136.8





#91

1,2-Dichlorobenzene

Concen: 19.60 ug/l

RT: 13.65 min Scan# 3752

Delta R.T. 0.00 min

Lab File: VN050159.D

Acq: 28 Jul 2018 4:14

Instrument :

MSVOA_N

ClientSampleId :

VN0727WBS03

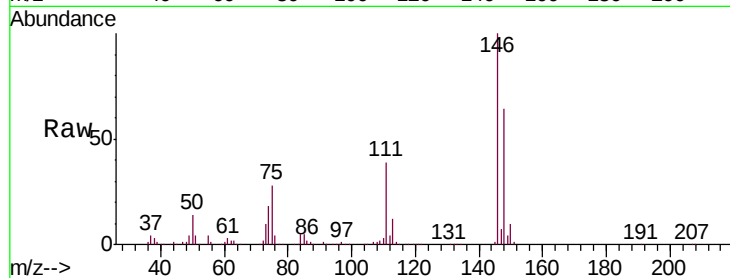
Tot Ion:146 Resp: 284248

Ion Ratio Lower Upper

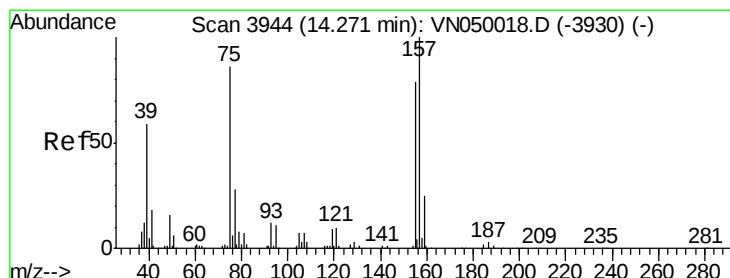
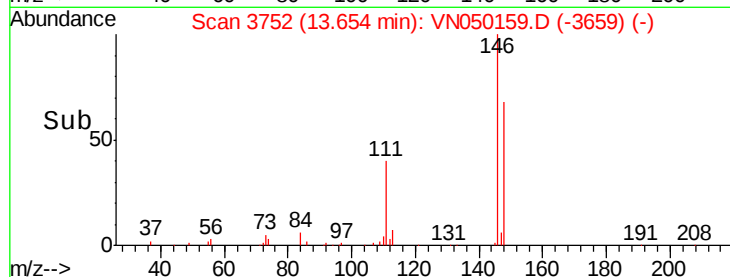
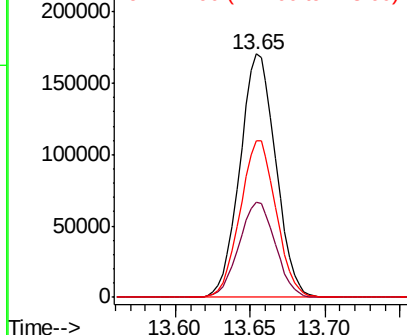
146 100

111 39.7 19.6 58.7

148 64.4 32.1 96.3



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 18.08 ug/l

RT: 14.27 min Scan# 3944

Delta R.T. 0.00 min

Lab File: VN050159.D

Acq: 28 Jul 2018 4:14

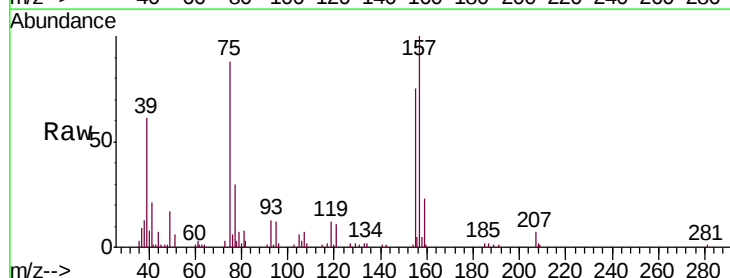
Tgt Ion: 75 Resp: 25589

Ion Ratio Lower Upper

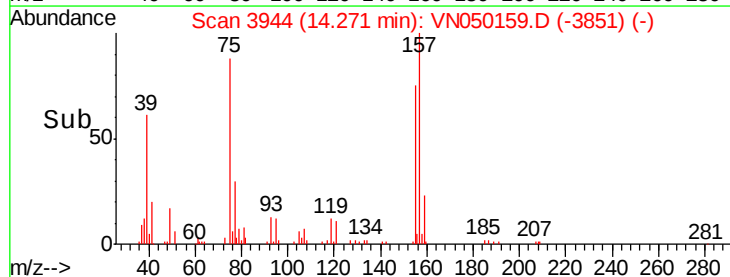
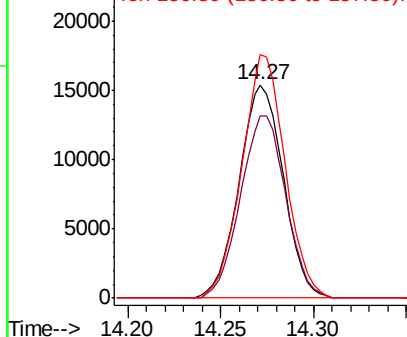
75 100

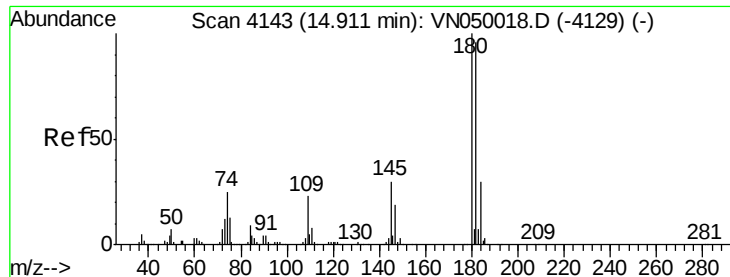
155 87.5 44.8 134.4

157 111.7 57.2 171.6



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

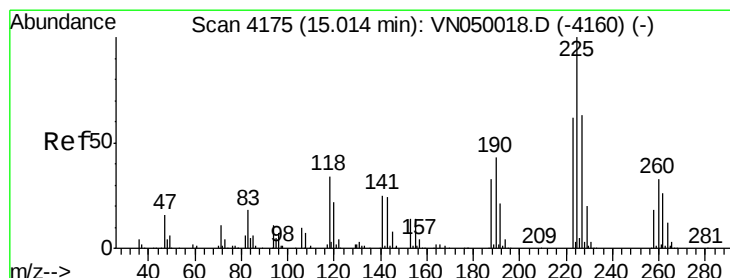
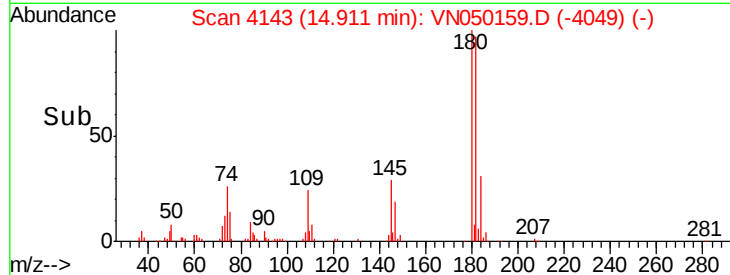
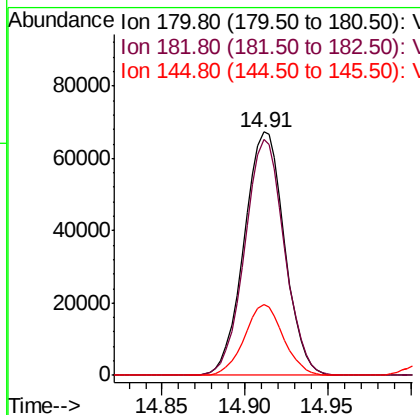
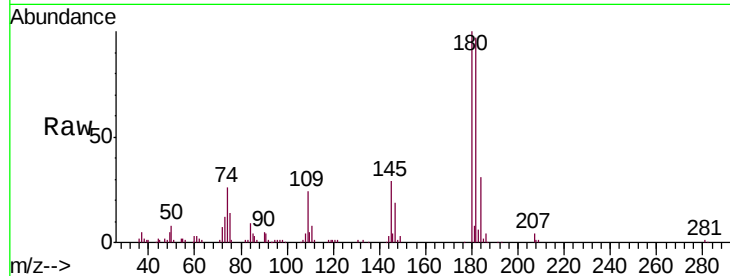




#93
 1,2,4-Trichlorobenzene
 Concen: 16.96 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050159.D
 Acq: 28 Jul 2018 4:14

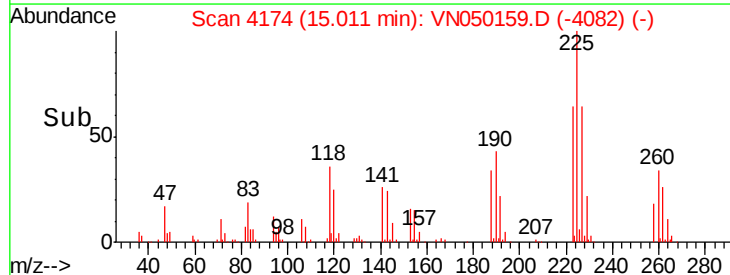
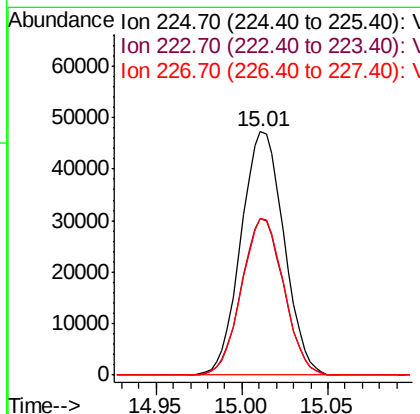
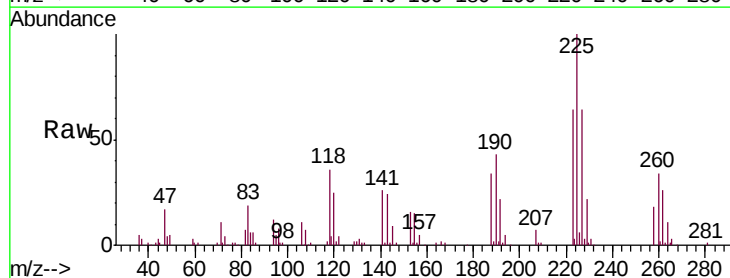
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0727WBS03

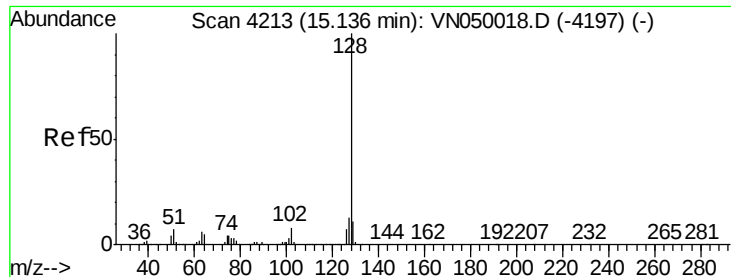
Tot Ion:180 Resp: 113758
 Ion Ratio Lower Upper
 180 100
 182 95.1 46.7 140.1
 145 28.0 13.8 41.4



#94
 Hexachlorobutadiene
 Concen: 18.42 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. -0.00 min
 Lab File: VN050159.D
 Acq: 28 Jul 2018 4:14

Tgt Ion:225 Resp: 81806
 Ion Ratio Lower Upper
 225 100
 223 63.3 31.4 94.2
 227 63.3 32.1 96.5

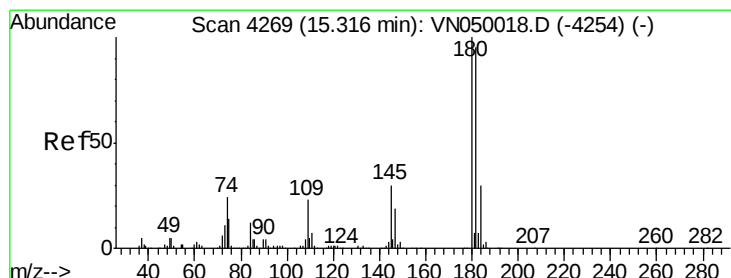
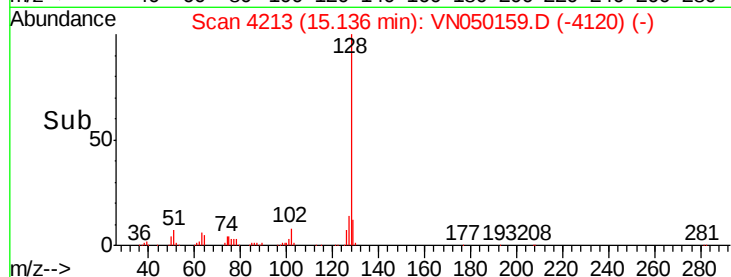
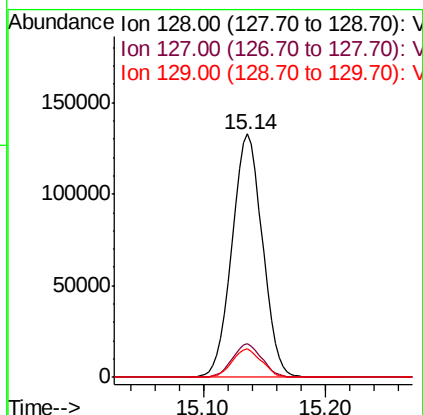
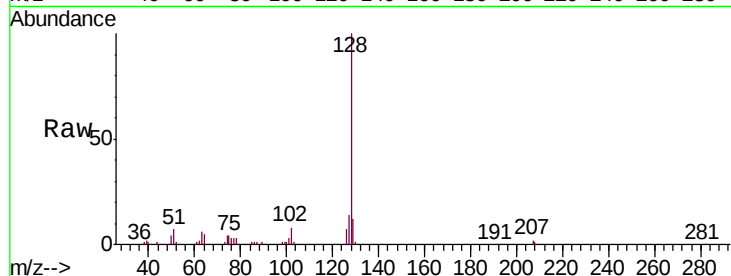




#95
Naphthalene
Concen: 16.00 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN050159.D
Acq: 28 Jul 2018 4:14

Instrument :
MSVOA_N
ClientSampleId :
VN0727WBS03

Tot Ion:128 Resp: 231176
Ion Ratio Lower Upper
128 100
127 13.4 10.4 15.6
129 11.3 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 17.35 ug/l
RT: 15.32 min Scan# 4269
Delta R.T. -0.00 min
Lab File: VN050159.D
Acq: 28 Jul 2018 4:14

Tgt Ion:180 Resp: 118705
Ion Ratio Lower Upper
180 100
182 96.6 48.1 144.4
145 30.4 15.3 45.9

