

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071718\
 Data File : VN049851.D
 Acq On : 17 Jul 2018 17:26
 Operator : MD\SY
 Sample : VN0717WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0717WBSD01

Quant Time: Jul 18 03:35:27 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071718W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 17 13:20:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	620934	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	923733	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	837863	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	436160	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	439062	52.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.58%	
35) Dibromofluoromethane	7.59	113	385712	52.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.28%	
50) Toluene-d8	10.09	98	1420032	52.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.58%	
62) 4-Bromofluorobenzene	12.40	95	478414	53.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	118415	21.26	ug/l	98
3) Chloromethane	2.06	50	156923	21.15	ug/l	99
4) Vinyl Chloride	2.18	62	171820	19.34	ug/l	99
5) Bromomethane	2.56	94	112076	23.37	ug/l	98
6) Chloroethane	2.70	64	108929	21.04	ug/l	100
7) Trichlorofluoromethane	3.01	101	235377	21.75	ug/l	97
8) Diethyl Ether	3.41	74	87846	20.58	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	142960	22.08	ug/l	99
10) Methyl Iodide	3.95	142	185894	20.73	ug/l	99
11) Tert butyl alcohol	4.82	59	75941	114.98	ug/l #	86
12) 1,1-Dichloroethene	3.73	96	131307	20.27	ug/l	97
13) Acrolein	3.61	56	56948	113.28	ug/l	97
14) Allyl chloride	4.32	41	214535	20.86	ug/l	99
15) Acrylonitrile	5.00	53	292986	105.45	ug/l	99
16) Acetone	3.82	43	232021	119.02	ug/l	99
17) Carbon Disulfide	4.04	76	375353	21.07	ug/l	98
18) Methyl Acetate	4.33	43	160183	22.83	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	403203	22.29	ug/l	100
20) Methylene Chloride	4.55	84	153414	21.57	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	140717	20.55	ug/l	97
22) Diisopropyl ether	5.96	45	454276	22.10	ug/l	100
23) Vinyl Acetate	5.90	43	1657498	109.62	ug/l	99
24) 1,1-Dichloroethane	5.85	63	267528	20.30	ug/l	99
25) 2-Butanone	6.85	43	359465	104.99	ug/l	100
26) 2,2-Dichloropropane	6.83	77	213505	21.28	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	161787	21.08	ug/l	98
28) Bromochloromethane	7.20	49	133341	21.80	ug/l	97
29) Tetrahydrofuran	7.22	42	234036	107.51	ug/l	99
30) Chloroform	7.37	83	276801	20.35	ug/l	99
31) Cyclohexane	7.65	56	227950	21.67	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	238259	20.62	ug/l	99
36) 1,1-Dichloropropene	7.79	75	201895	20.66	ug/l	99
37) Ethyl Acetate	6.94	43	163483	22.43	ug/l	98
38) Carbon Tetrachloride	7.78	117	207853	20.19	ug/l	99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	206507	20.52	ug/l	98
40) Benzene	8.04	78	611512	20.64	ug/l	100
41) Methacrylonitrile	7.18	41	75258	20.11	ug/l #	91
42) 1,2-Dichloroethane	8.13	62	204180	20.27	ug/l	100
43) Isopropyl Acetate	8.17	43	270101	21.78	ug/l	97
44) Trichloroethene	8.84	130	160322	20.57	ug/l	96
45) 1,2-Dichloropropane	9.12	63	162976	20.65	ug/l	100
46) Dibromomethane	9.21	93	103740	20.60	ug/l	98
47) Bromodichloromethane	9.41	83	209305	20.45	ug/l	97
48) Methyl methacrylate	9.20	41	132600	21.56	ug/l	99
49) 1,4-Dioxane	9.20	88	40348	432.81	ug/l	94
51) 4-Methyl-2-Pentanone	9.99	43	795269	109.02	ug/l	100
52) Toluene	10.16	92	380675	21.44	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	213697	21.39	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	241336	21.52	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	149985	20.59	ug/l	99
56) Ethyl methacrylate	10.43	69	194088	21.99	ug/l	98
57) 1,3-Dichloropropane	10.71	76	244958	20.76	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	478673	114.91	ug/l	100
59) 2-Hexanone	10.75	43	549462	109.86	ug/l	100
60) Dibromochloromethane	10.90	129	166894	20.57	ug/l	97
61) 1,2-Dibromoethane	11.01	107	148748	20.83	ug/l	99
64) Tetrachloroethene	10.63	164	144457	20.27	ug/l	98
65) Chlorobenzene	11.44	112	413097	20.79	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	156990	20.58	ug/l	99
67) Ethyl Benzene	11.51	91	684749	21.44	ug/l	99
68) m/p-Xylenes	11.62	106	538923	44.48	ug/l	99
69) o-Xylene	11.95	106	256033	22.16	ug/l	99
70) Styrene	11.97	104	420144	22.44	ug/l	99
71) Bromoform	12.13	173	119365	20.32	ug/l #	97
73) Isopropylbenzene	12.25	105	690495	21.86	ug/l	100
74) N-amyl acetate	12.07	43	225325	21.59	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	202773	20.02	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	246396	28.87	ug/l #	100
77) Bromobenzene	12.53	156	182454	21.07	ug/l	97
78) n-propylbenzene	12.59	91	781085	21.98	ug/l	99
79) 2-Chlorotoluene	12.68	91	477486	21.76	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	573017	23.15	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	54361	20.85	ug/l	95
82) 4-Chlorotoluene	12.78	91	474679	21.90	ug/l	99
83) tert-Butylbenzene	12.99	119	484515	22.33	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	577472	22.88	ug/l	100
85) sec-Butylbenzene	13.17	105	653931	22.41	ug/l	100
86) p-Isopropyltoluene	13.29	119	559253	22.66	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	318225	21.38	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	309499	21.17	ug/l	99
89) n-Butylbenzene	13.62	91	444795	21.98	ug/l	99
90) Hexachloroethane	13.88	117	106063	21.10	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	316985	20.95	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	34253	22.66	ug/l	98

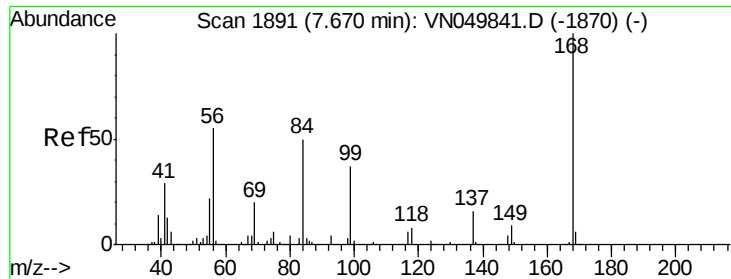
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071718\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	158325	23.50	ug/l	98
94) Hexachlorobutadiene	15.01	225	96963	20.51	ug/l	99
95) Naphthalene	15.14	128	400505	23.10	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	167804	23.55	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN049851.D

Acq: 17 Jul 2018 17:26

Instrument :

MSVOA_N

ClientSampleId :

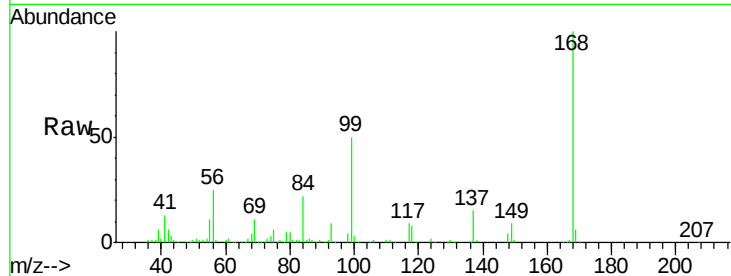
VN0717WBSD01

Tot Ion:168 Resp: 620934

Ion Ratio Lower Upper

168 100

99 49.4 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

250000

200000

150000

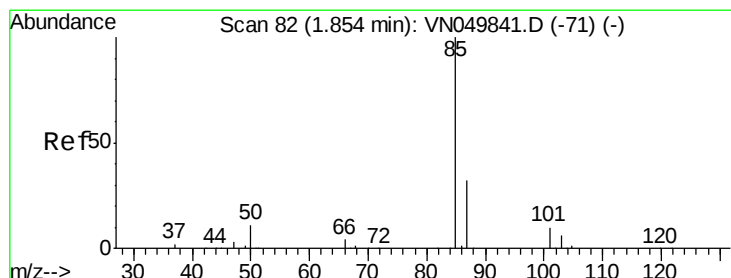
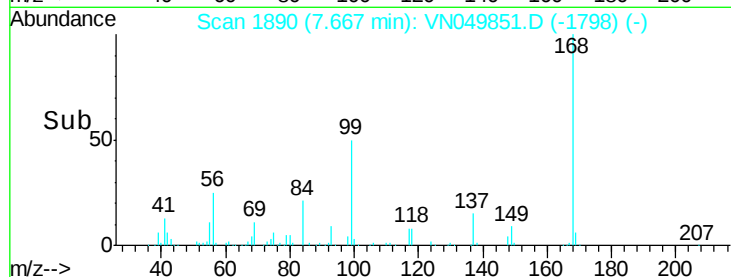
100000

50000

0

Time-->

7.60 7.70 7.80



#2

Dichlorodifluoromethane

Concen: 21.26 ug/l

RT: 1.85 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN049851.D

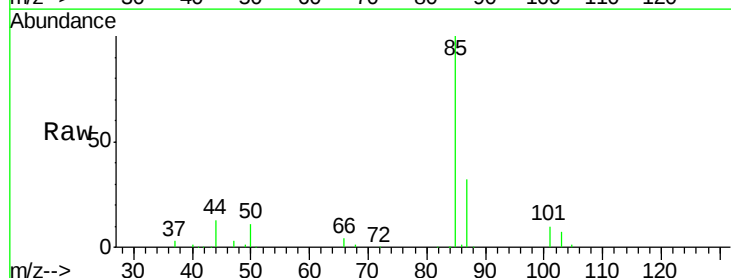
Acq: 17 Jul 2018 17:26

Tgt Ion: 85 Resp: 118415

Ion Ratio Lower Upper

85 100

87 31.8 15.4 46.1



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

80000

60000

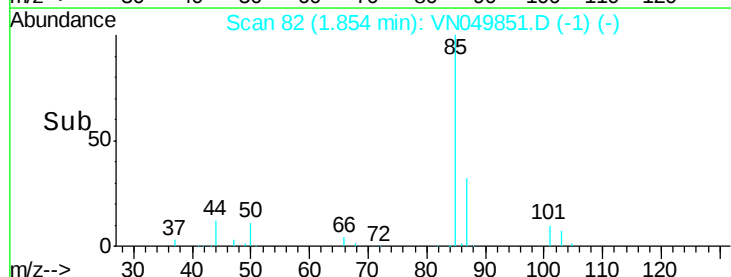
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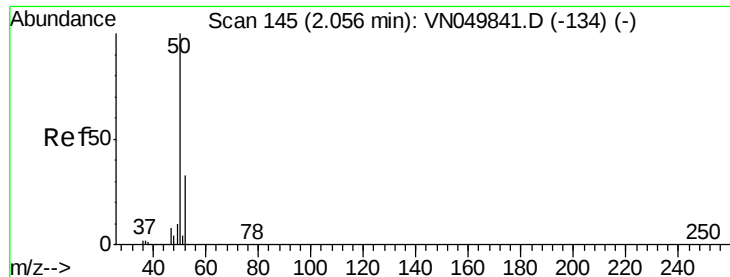
20000

0

Time-->

1.80 1.85 1.90 1.95





#3

Chloromethane

Concen: 21.15 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN049851.D

Acq: 17 Jul 2018 17:26

Instrument :

MSVOA_N

ClientSampleId :

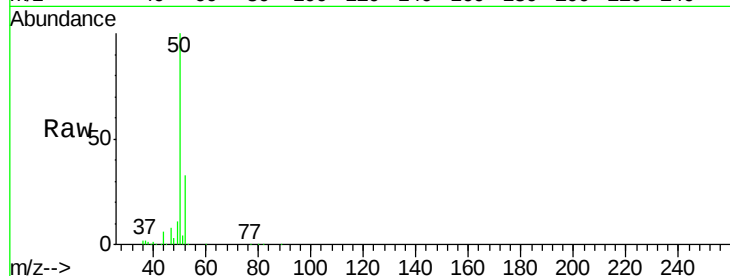
VN0717WBSD01

Tot Ion: 50 Resp: 156923

Ion Ratio Lower Upper

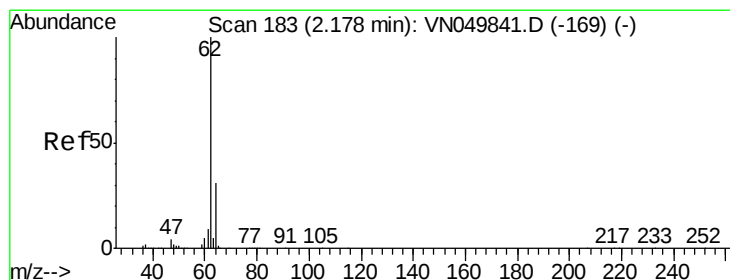
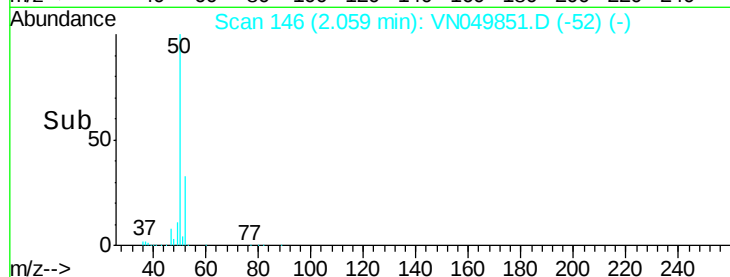
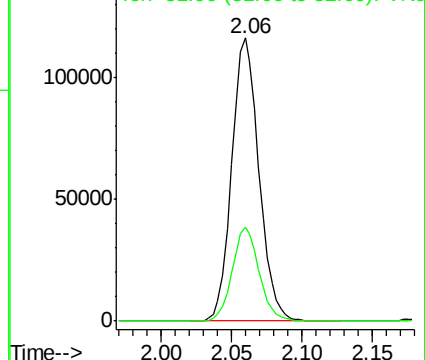
50 100

52 33.3 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 19.34 ug/l

RT: 2.18 min Scan# 184

Delta R.T. 0.00 min

Lab File: VN049851.D

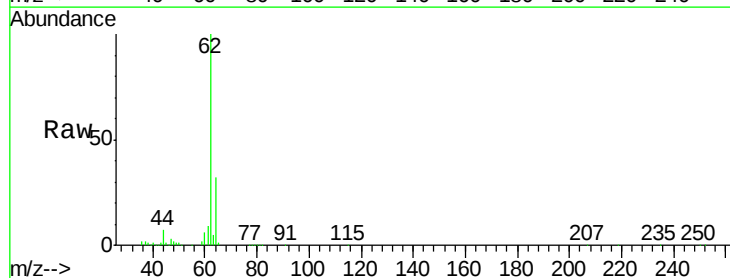
Acq: 17 Jul 2018 17:26

Tgt Ion: 62 Resp: 171820

Ion Ratio Lower Upper

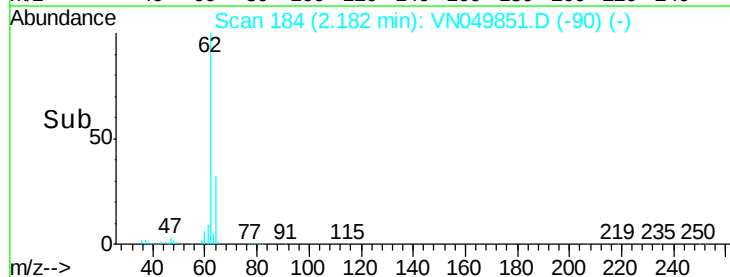
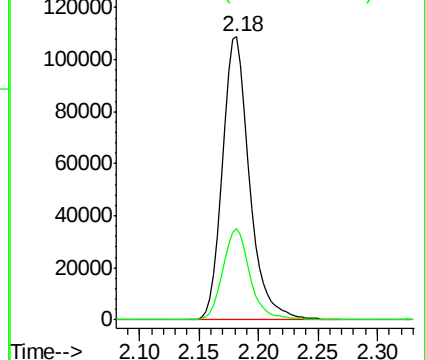
62 100

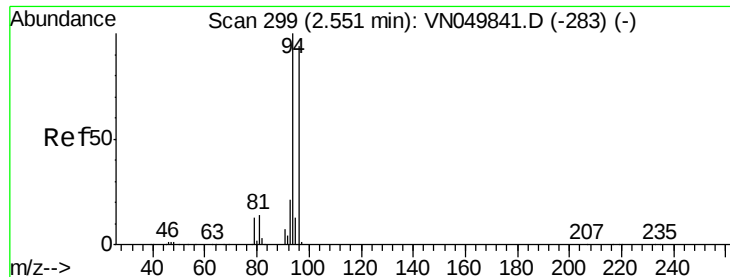
64 32.3 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 23.37 ug/l

RT: 2.56 min Scan# 303

Delta R.T. 0.01 min

Lab File: VN049851.D

Acq: 17 Jul 2018 17:26

Instrument :

MSVOA_N

ClientSampleId :

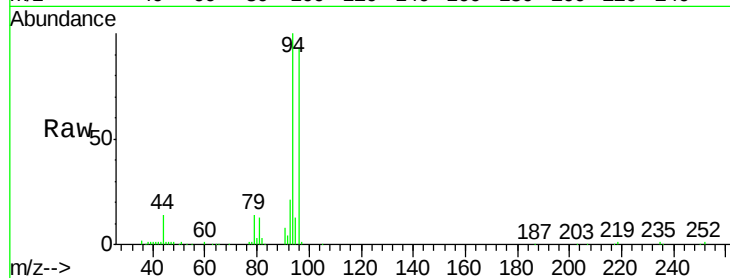
VN0717WBSD01

Tot Ion: 94 Resp: 112076

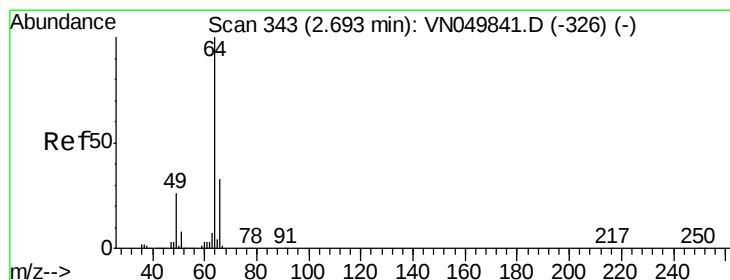
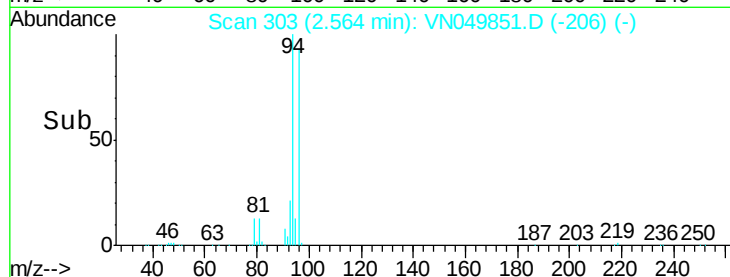
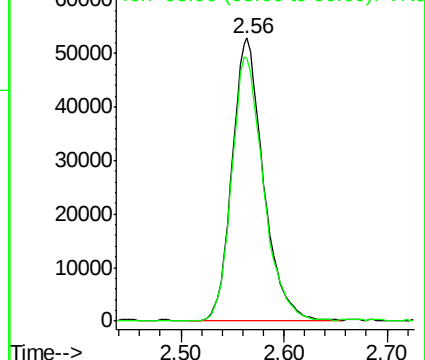
Ion Ratio Lower Upper

94 100

96 92.5 75.7 113.5



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



#6

Chloroethane

Concen: 21.04 ug/l

RT: 2.70 min Scan# 345

Delta R.T. 0.01 min

Lab File: VN049851.D

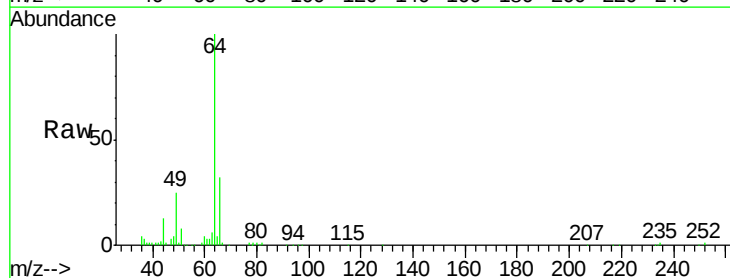
Acq: 17 Jul 2018 17:26

Tgt Ion: 64 Resp: 108929

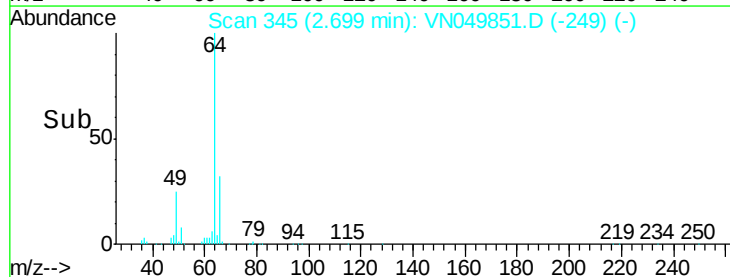
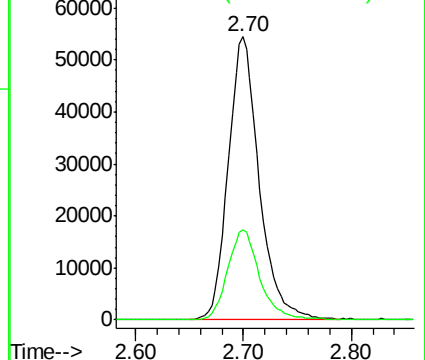
Ion Ratio Lower Upper

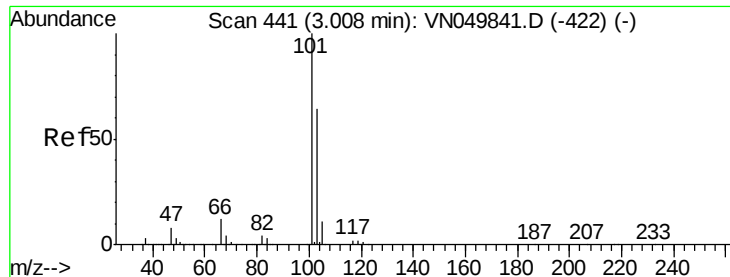
64 100

66 32.0 25.6 38.4



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





#7

Trichlorofluoromethane

Concen: 21.75 ug/l

RT: 3.01 min Scan# 442

Delta R.T. 0.00 min

Lab File: VN049851.D

Acq: 17 Jul 2018 17:26

Instrument :

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ClientSampleId :

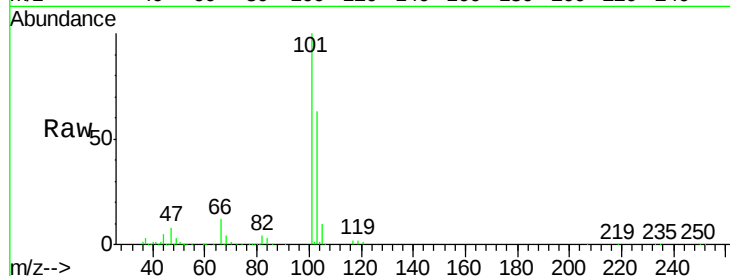
VN0717WBSD01

Tot Ion:101 Resp: 235377

Ion Ratio Lower Upper

101 100

103 63.3 52.8 79.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

3.01

120000

100000

80000

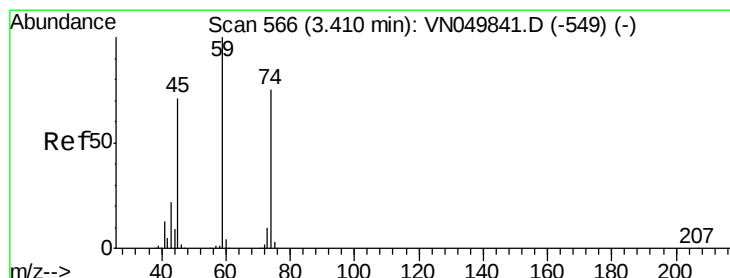
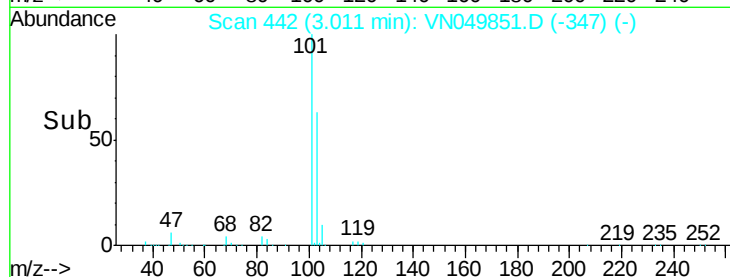
60000

40000

20000

0

Time--> 2.90 3.00 3.10



#8

Diethyl Ether

Concen: 20.58 ug/l

RT: 3.41 min Scan# 566

Delta R.T. 0.00 min

Lab File: VN049851.D

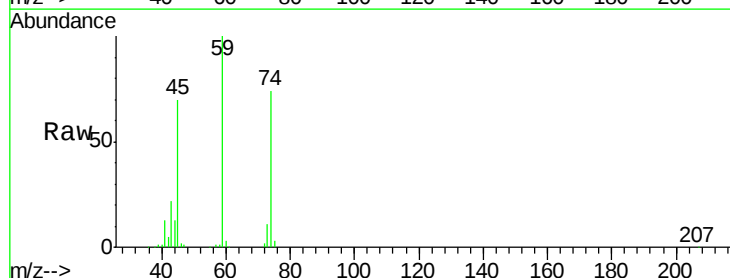
Acq: 17 Jul 2018 17:26

Tgt Ion: 74 Resp: 87846

Ion Ratio Lower Upper

74 100

45 95.8 48.4 145.2



Abundance Ion 74.00 (73.70 to 74.70): V

Ion 45.00 (44.70 to 45.70): V

3.41

40000

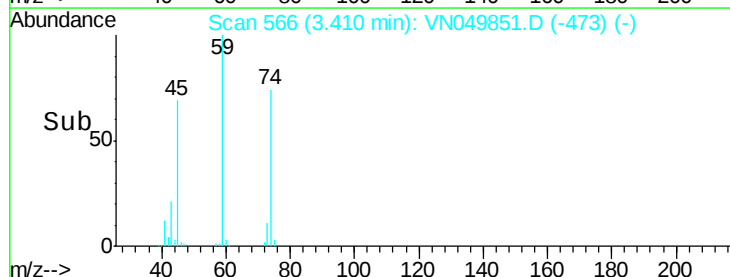
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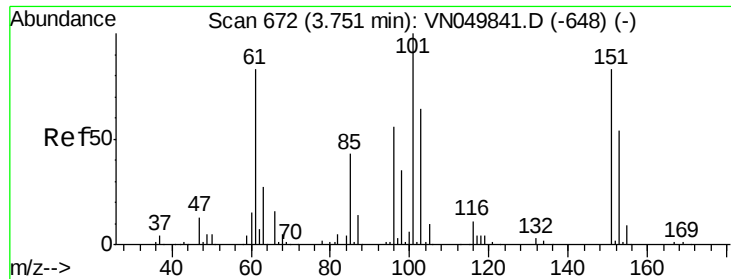
20000

10000

0

Time--> 3.30 3.35 3.40 3.45 3.50

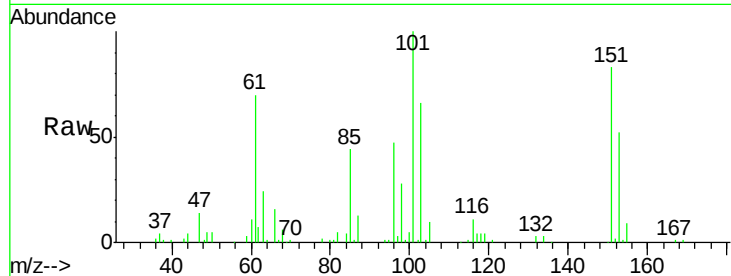




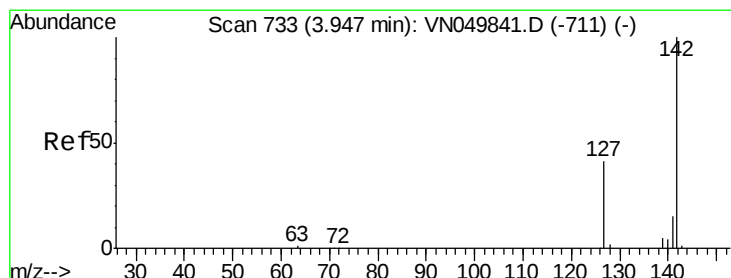
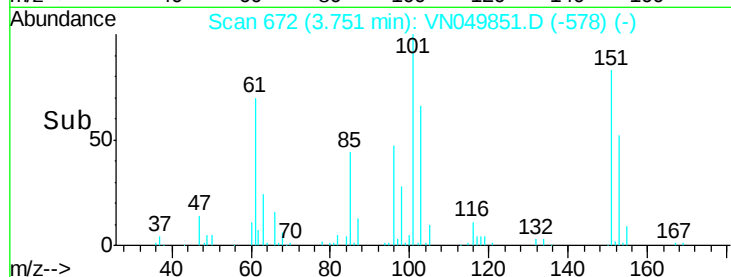
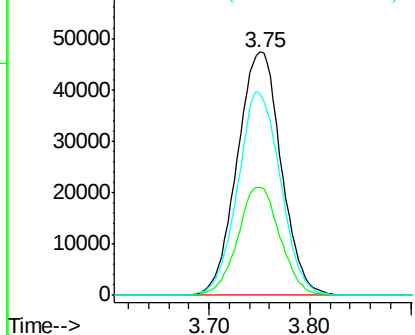
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 22.08 ug/l
 RT: 3.75 min Scan# 672
 Delta R.T. 0.00 min
 Lab File: VN049851.D
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Instrument :
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 ClientSampleId :
 VN0717WBSD01

Tot Ion:101 Resp: 142960
 Ion Ratio Lower Upper
 101 100
 85 42.8 34.4 51.6
 151 81.6 66.2 99.4

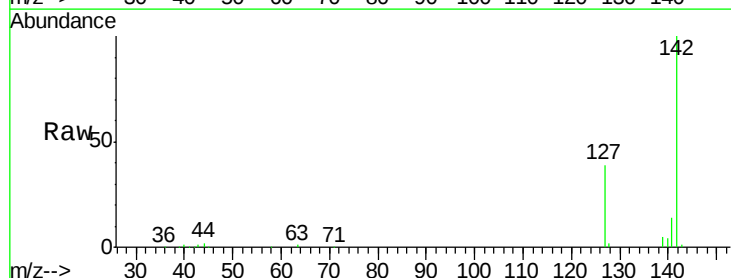


Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 84.90 (84.60 to 85.60): V
 Ion 150.80 (150.50 to 151.50): V

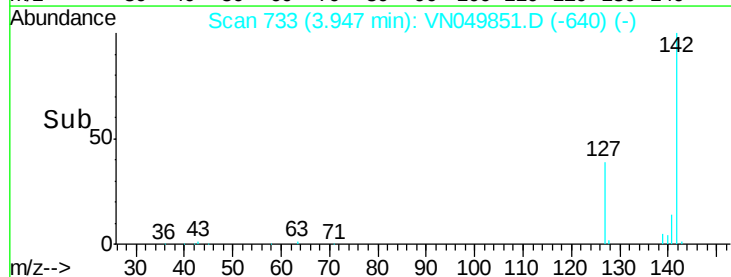
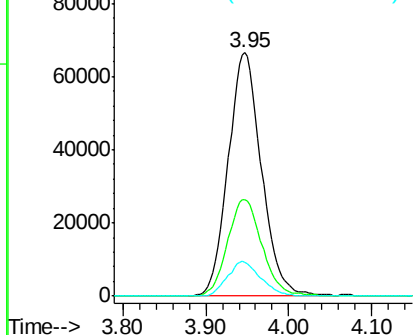


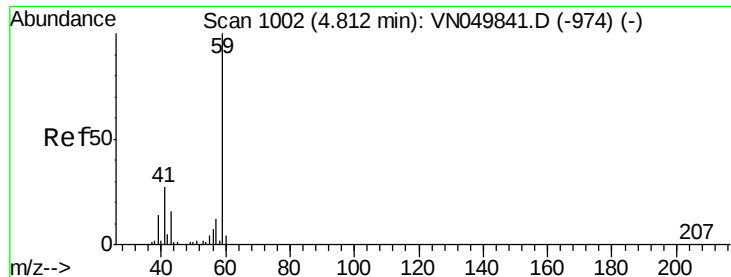
#10
 Methyl Iodide
 Concen: 20.73 ug/l
 RT: 3.95 min Scan# 733
 Delta R.T. 0.00 min
 Lab File: VN049851.D
 Acq: 17 Jul 2018 17:26

Tgt Ion:142 Resp: 185894
 Ion Ratio Lower Upper
 142 100
 127 41.1 32.5 48.7
 141 14.2 11.1 16.7



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



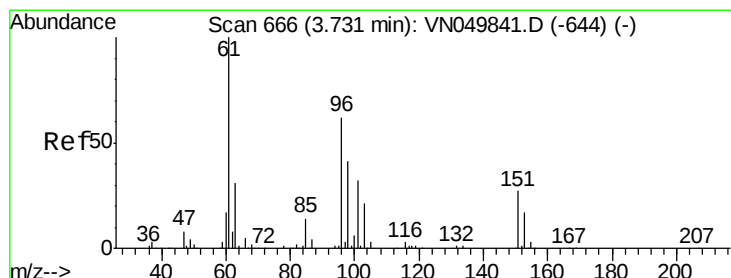
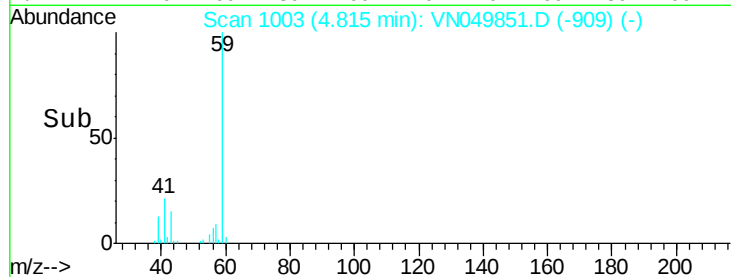
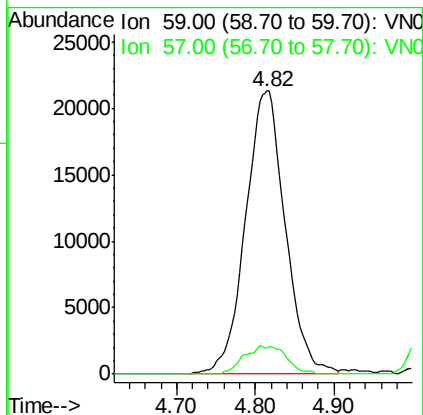
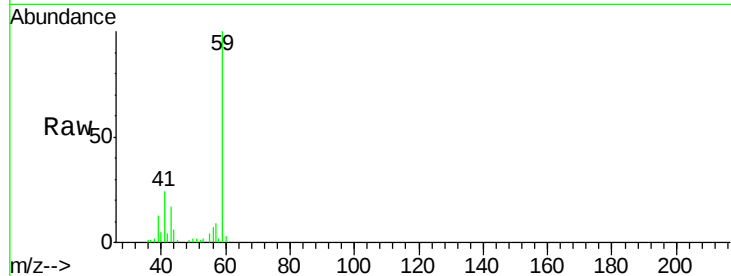


#11

Tert butyl alcohol
 Concen: 114.98 ug/l
 RT: 4.82 min Scan# 1003
 Delta R.T. 0.00 min
 Lab File: VN049851.D
 Acq: 17 Jul 2018 17:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0717WBSD01

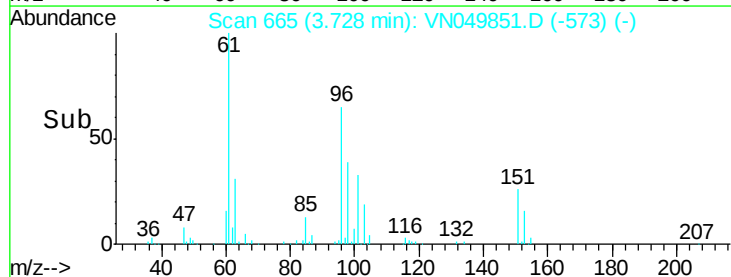
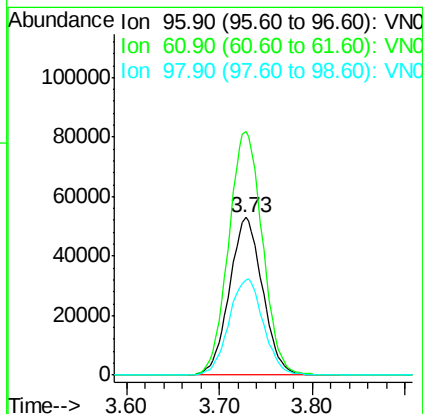
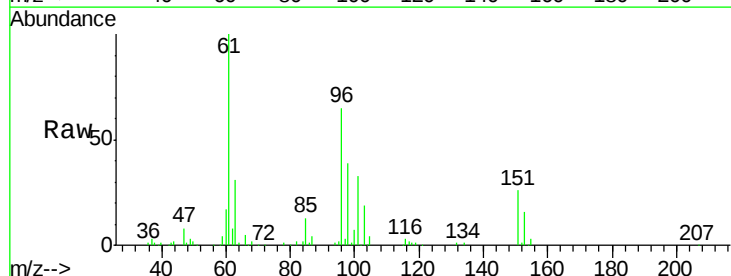
Tot Ion: 59 Resp: 75941
 Ion Ratio Lower Upper
 59 100
 57 5.3 8.5 12.7#

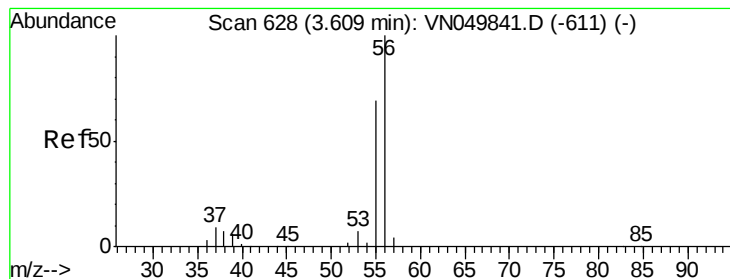


#12

1,1-Dichloroethene
 Concen: 20.27 ug/l
 RT: 3.73 min Scan# 665
 Delta R.T. -0.00 min
 Lab File: VN049851.D
 Acq: 17 Jul 2018 17:26

Tgt Ion: 96 Resp: 131307
 Ion Ratio Lower Upper
 96 100
 61 154.7 126.5 189.7
 98 60.5 51.0 76.6





#13

Acrolein

Concen: 113.28 ug/l

RT: 3.61 min Scan# 627

Delta R.T. -0.00 min

Lab File: VN049851.D

Acq: 17 Jul 2018 17:26

Instrument :

MSVOA_N

ClientSampleId :

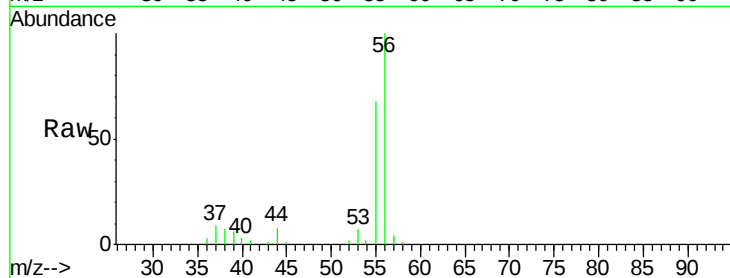
VN0717WBSD01

Tot Ion: 56 Resp: 56948

Ion Ratio Lower Upper

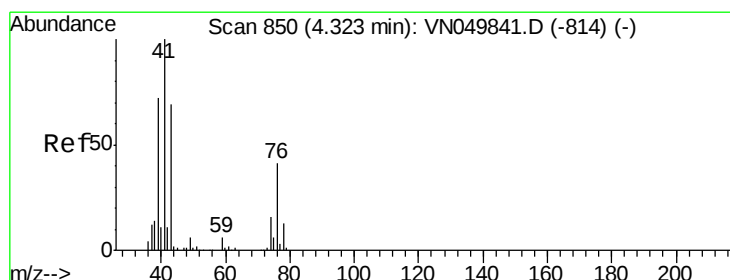
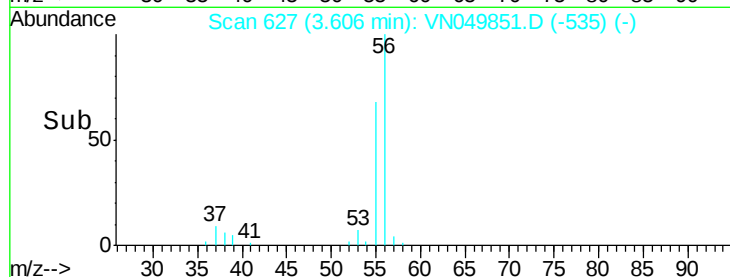
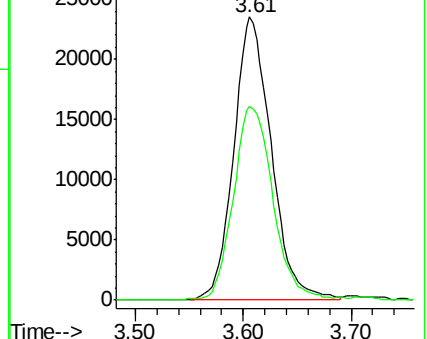
56 100

55 72.1 55.8 83.8



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 20.86 ug/l

RT: 4.32 min Scan# 849

Delta R.T. -0.00 min

Lab File: VN049851.D

Acq: 17 Jul 2018 17:26

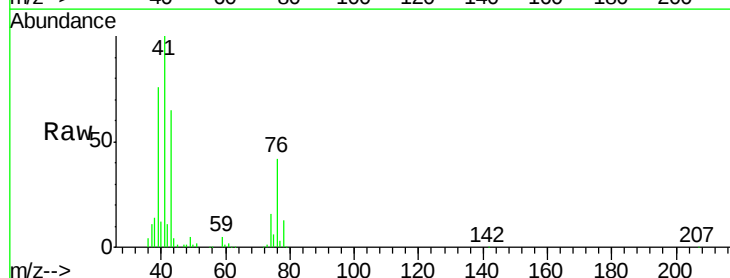
Tgt Ion: 41 Resp: 214535

Ion Ratio Lower Upper

41 100

39 67.4 53.2 79.8

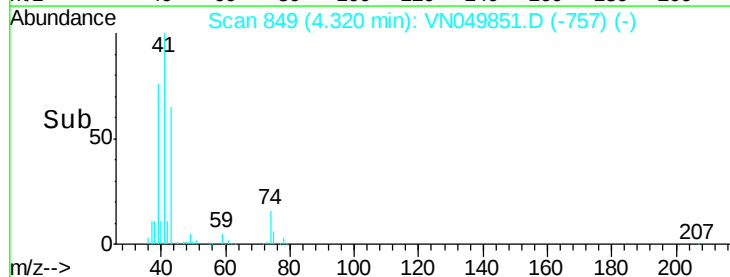
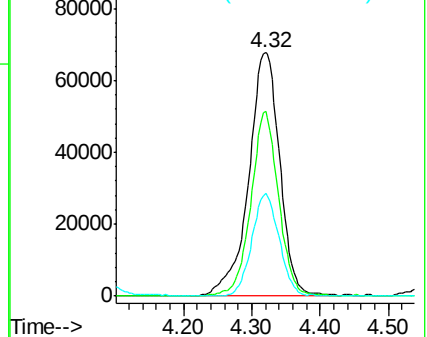
76 36.9 29.0 43.6

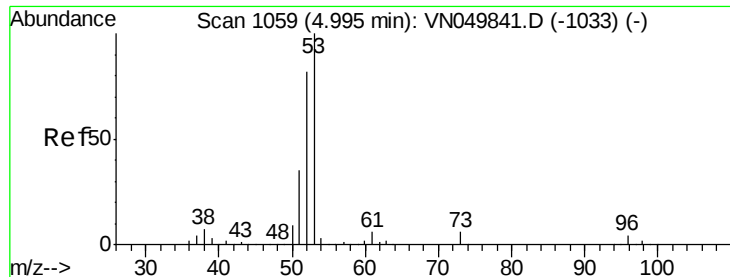


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 105.45 ug/l

RT: 5.00 min Scan# 1059

Delta R.T. 0.00 min

Lab File: VN049851.D

Acq: 17 Jul 2018 17:26

Instrument :

MSVOA_N

ClientSampleId :

VN0717WBSD01

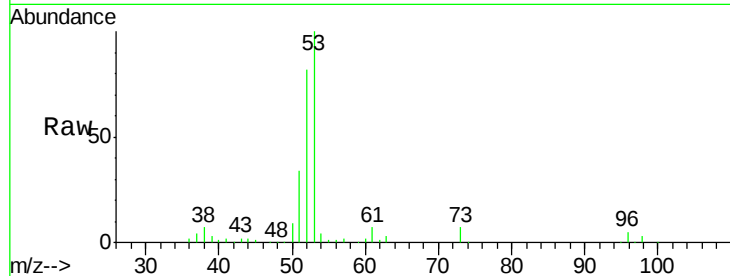
Tot Ion: 53 Resp: 292986

Ion Ratio Lower Upper

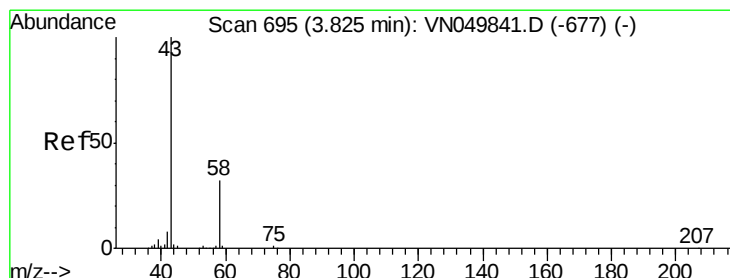
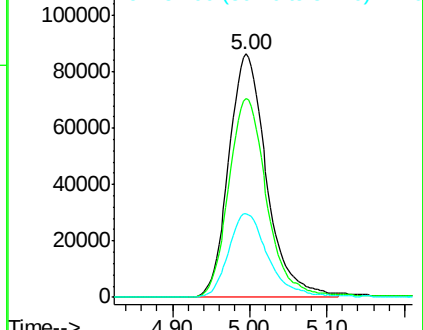
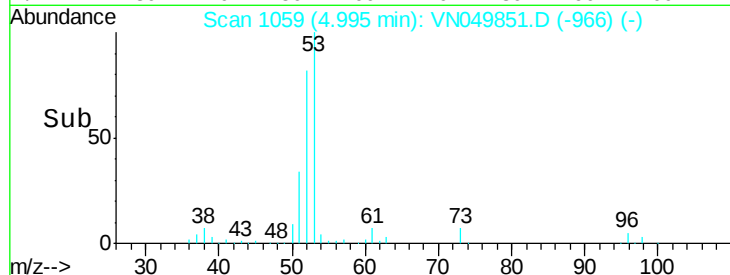
53 100

52 81.9 64.8 97.2

51 36.1 28.9 43.3



Abundance Ion 53.00 (52.70 to 53.70): VN049851.D (-966) (-)



#16

Acetone

Concen: 119.02 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN049851.D

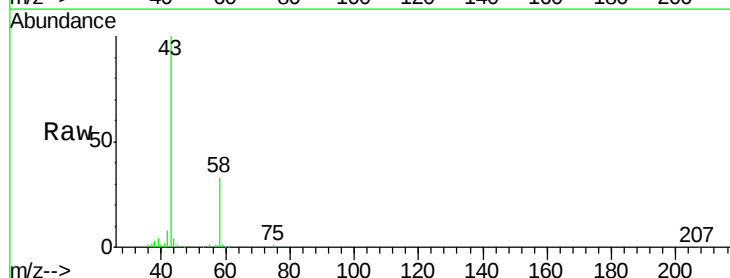
Acq: 17 Jul 2018 17:26

Tgt Ion: 43 Resp: 232021

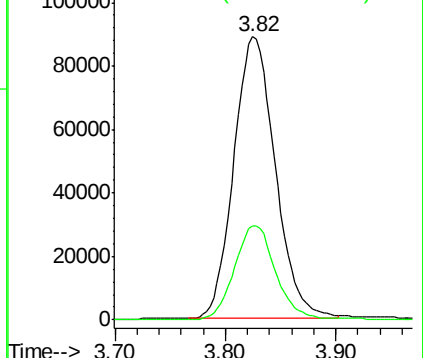
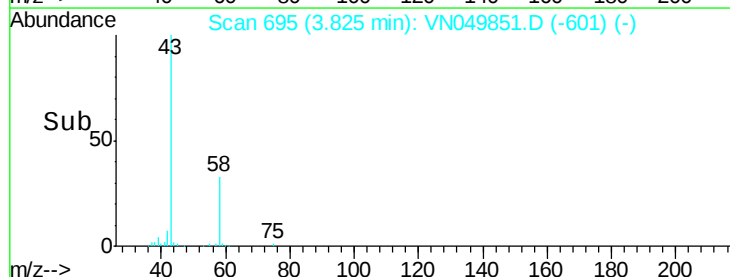
Ion Ratio Lower Upper

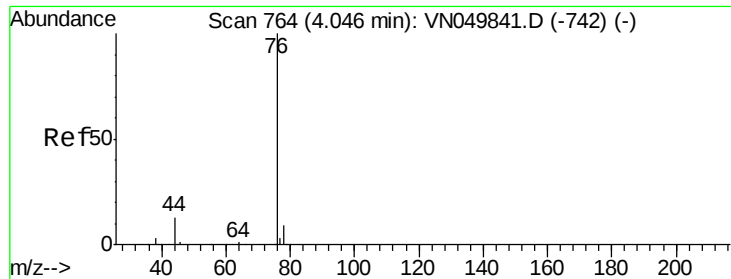
43 100

58 33.2 25.9 38.9



Abundance Ion 43.00 (42.70 to 43.70): VN049851.D (-601) (-)





#17

Carbon Disulfide

Concen: 21.07 ug/l

RT: 4.04 min Scan# 763

Delta R.T. -0.00 min

Lab File: VN049851.D

Acq: 17 Jul 2018 17:26

Instrument :

MSVOA_N

ClientSampleId :

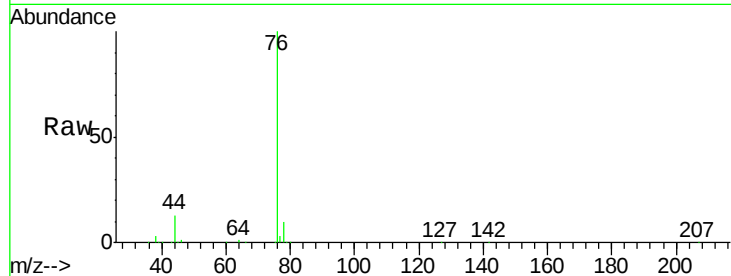
VN0717WBSD01

Tot Ion: 76 Resp: 375353

Ion Ratio Lower Upper

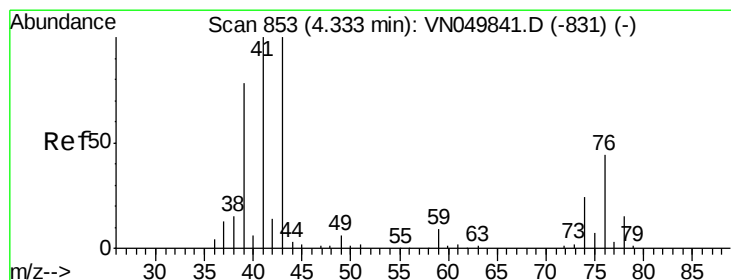
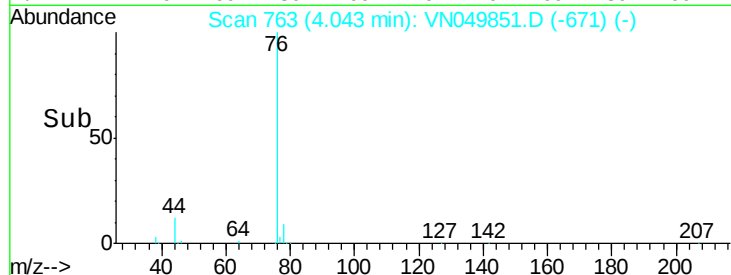
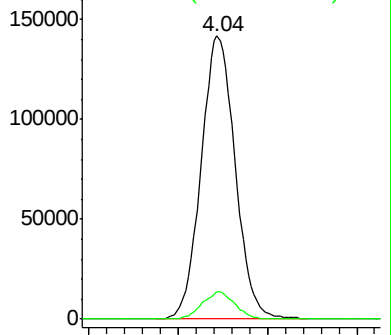
76 100

78 9.7 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 22.83 ug/l

RT: 4.33 min Scan# 853

Delta R.T. 0.00 min

Lab File: VN049851.D

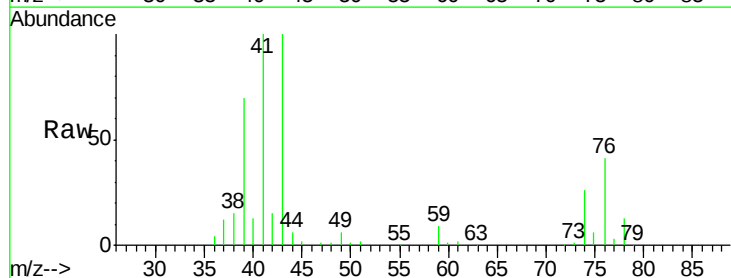
Acq: 17 Jul 2018 17:26

Tgt Ion: 43 Resp: 160183

Ion Ratio Lower Upper

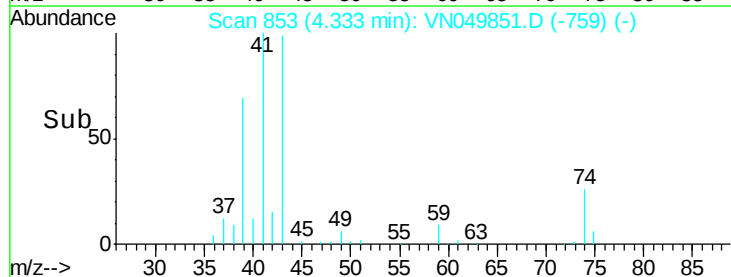
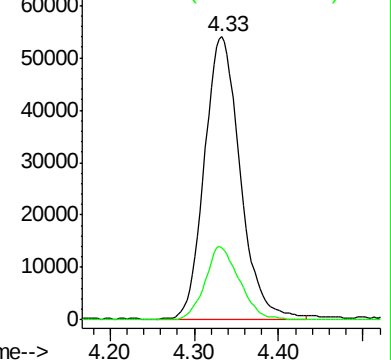
43 100

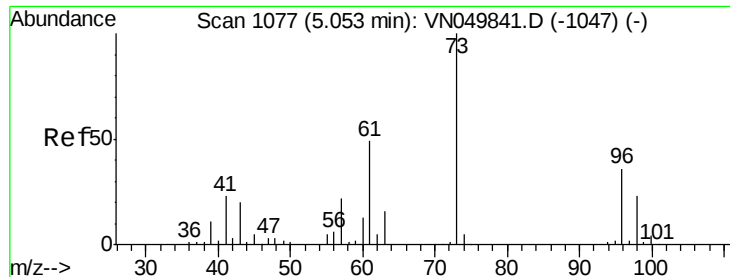
74 24.8 19.8 29.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

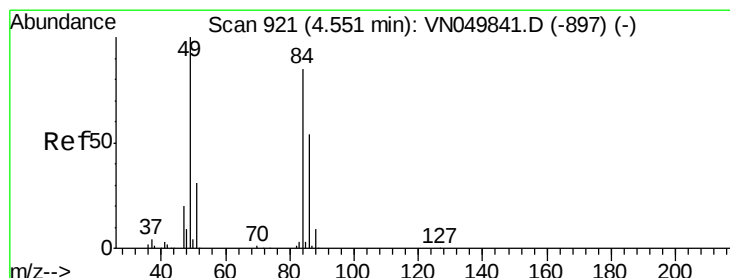
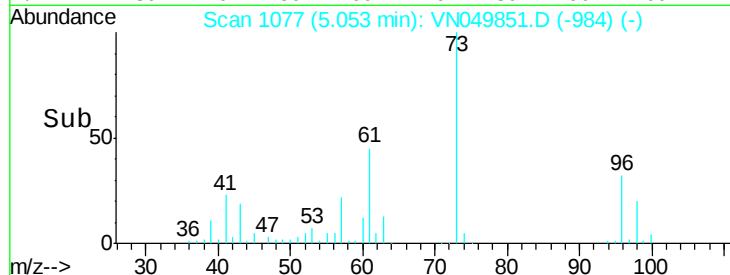
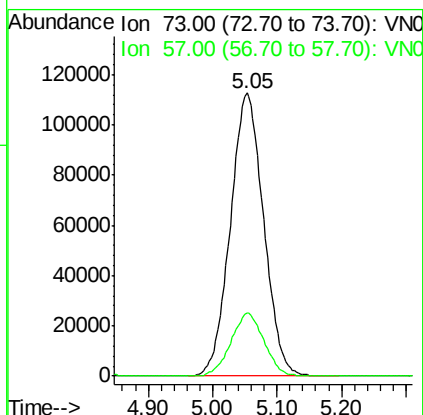
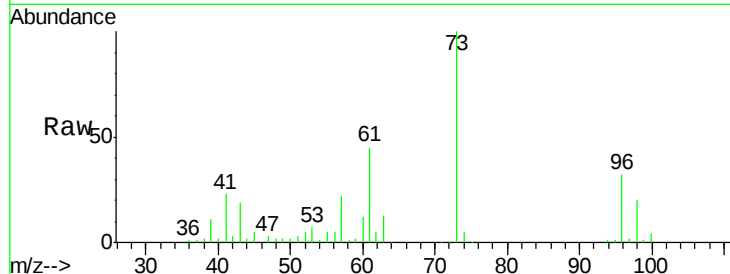




#19
Methyl tert-butyl Ether
Concen: 22.29 ug/l
RT: 5.05 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VN049851.D
Acq: 17 Jul 2018 17:26

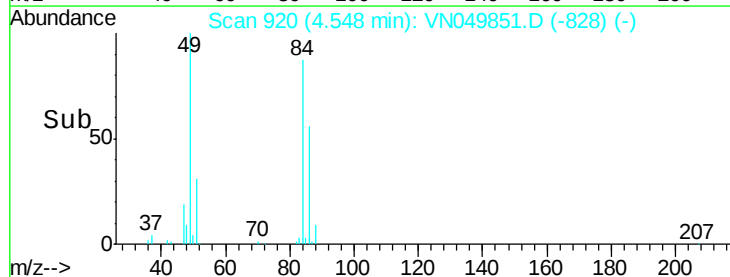
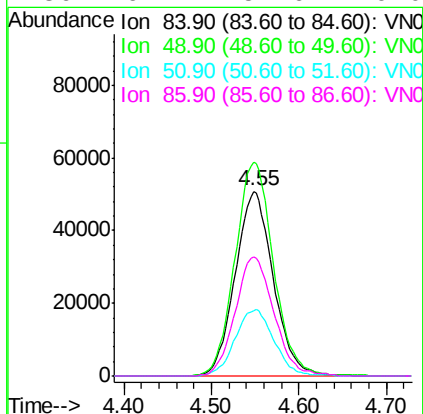
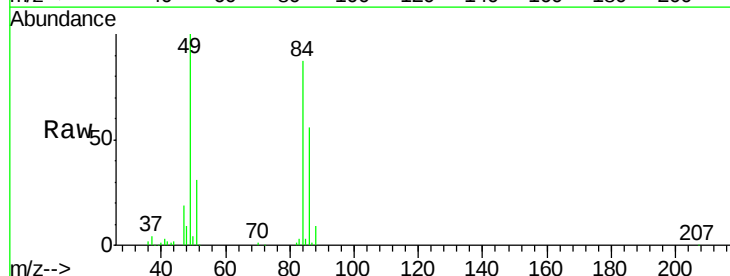
Instrument :
MSVOA_N
ClientSampleId :
VN0717WBSD01

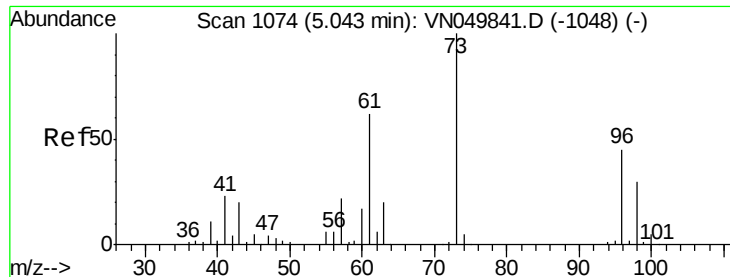
Tot Ion: 73 Resp: 403203
Ion Ratio Lower Upper
73 100
57 22.4 18.1 27.1



#20
Methylene Chloride
Concen: 21.57 ug/l
RT: 4.55 min Scan# 920
Delta R.T. -0.00 min
Lab File: VN049851.D
Acq: 17 Jul 2018 17:26

Tgt Ion: 84 Resp: 153414
Ion Ratio Lower Upper
84 100
49 115.5 95.4 143.2
51 35.5 28.4 42.6
86 64.4 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 20.55 ug/l

RT: 5.04 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VN049851.D

Acq: 17 Jul 2018 17:26

Instrument :

MSVOA_N

ClientSampleId :

VN0717WBSD01

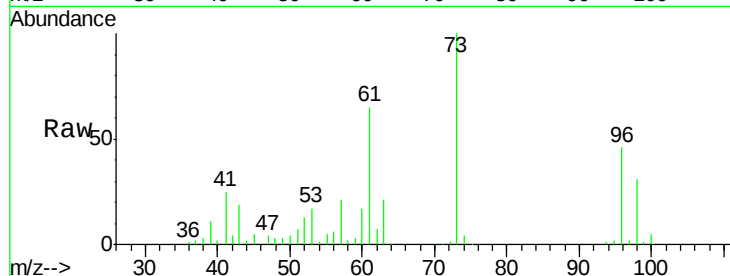
Tot Ion: 96 Resp: 140717

Ion Ratio Lower Upper

96 100

61 139.9 109.0 163.6

98 66.5 51.1 76.7

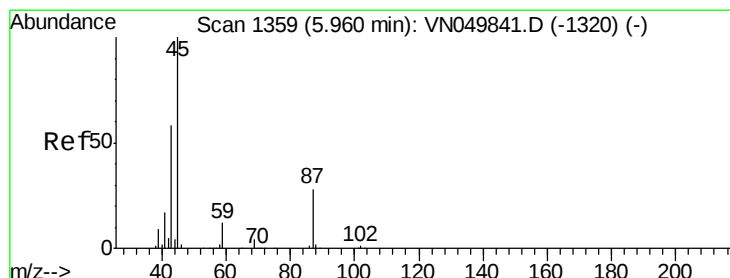
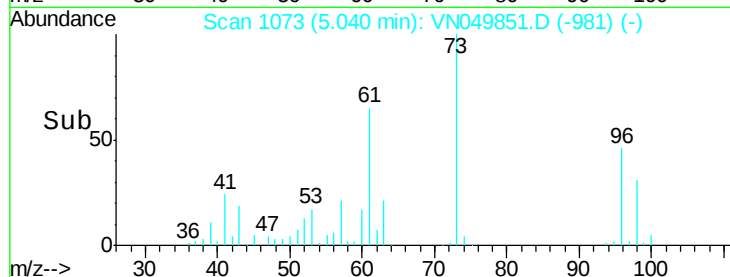
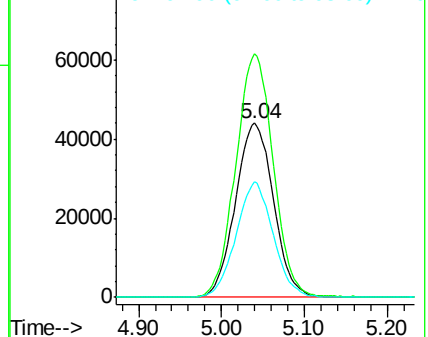


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 22.10 ug/l

RT: 5.96 min Scan# 1359

Delta R.T. 0.00 min

Lab File: VN049851.D

Acq: 17 Jul 2018 17:26

Tgt Ion: 45 Resp: 454276

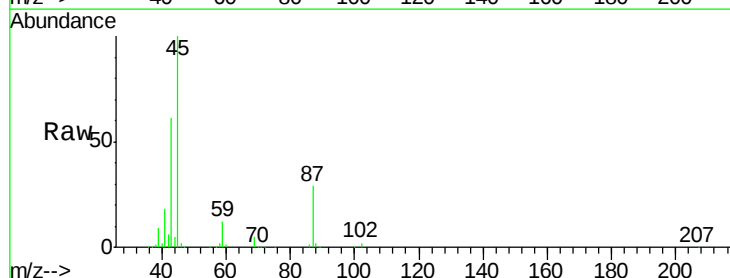
Ion Ratio Lower Upper

45 100

43 59.8 48.1 72.1

87 28.3 22.6 34.0

59 11.5 9.2 13.8



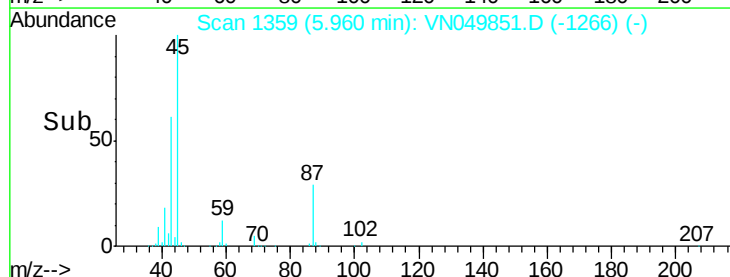
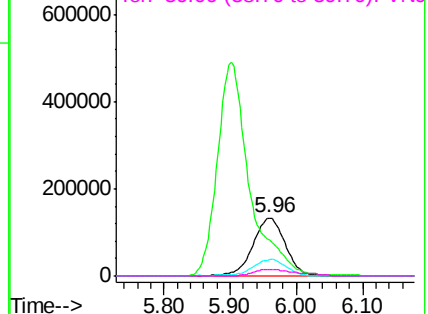
Abundance

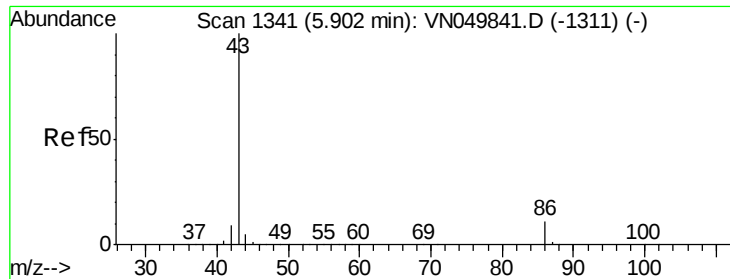
Ion 45.00 (44.70 to 45.70): VN0

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: 109.62 ug/l

RT: 5.90 min Scan# 1341

Delta R.T. 0.00 min

Lab File: VN049851.D

Acq: 17 Jul 2018 17:26

Instrument :

MSVOA_N

ClientSampleID :

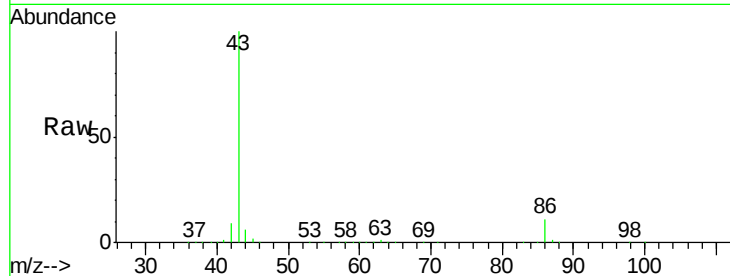
VN0717WBSD01

Tot Ion: 43 Resp: 1657498

Ion Ratio Lower Upper

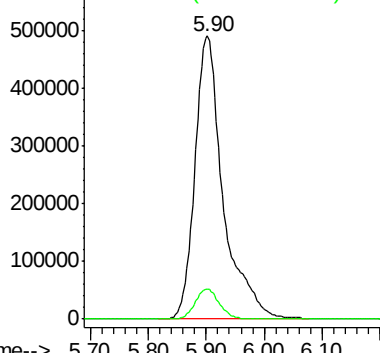
43 100

86 10.8 8.4 12.6

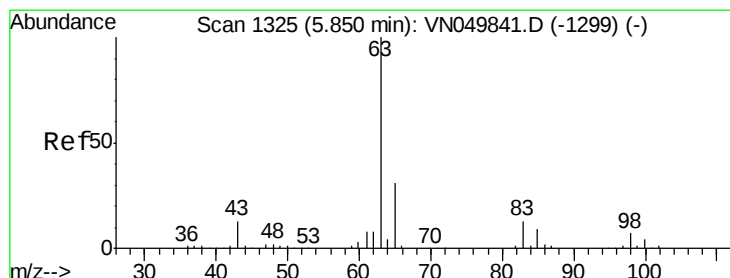
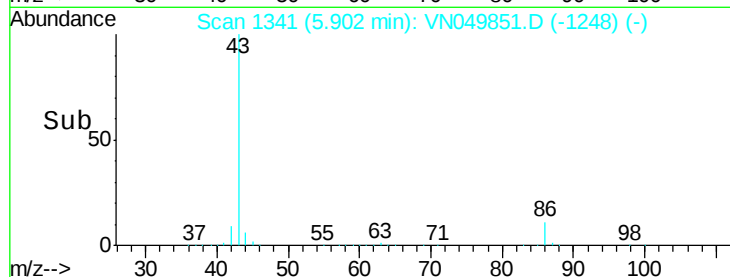


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



Time--> 5.70 5.80 5.90 6.00 6.10



#24

1,1-Dichloroethane

Concen: 20.30 ug/l

RT: 5.85 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VN049851.D

Acq: 17 Jul 2018 17:26

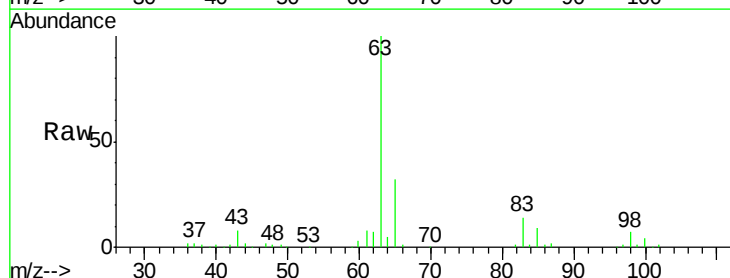
Tgt Ion: 63 Resp: 267528

Ion Ratio Lower Upper

63 100

98 6.7 3.4 10.2

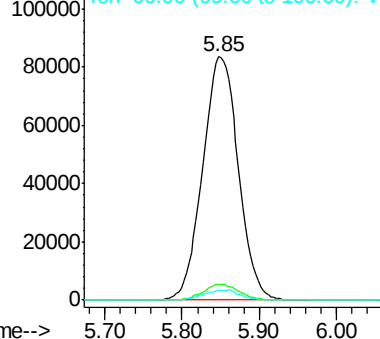
100 3.7 2.2 6.6



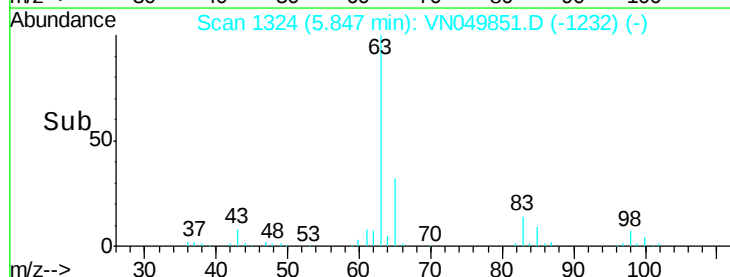
Abundance Ion 62.90 (62.60 to 63.60): VN0

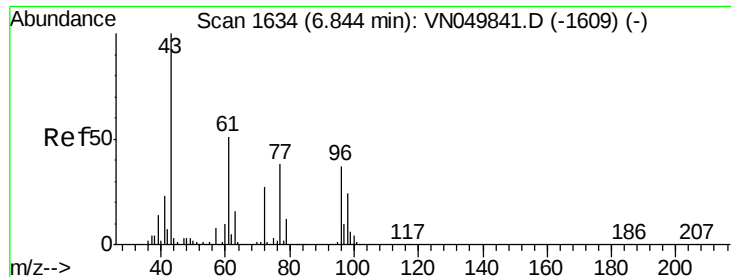
Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0



Time--> 5.70 5.80 5.90 6.00

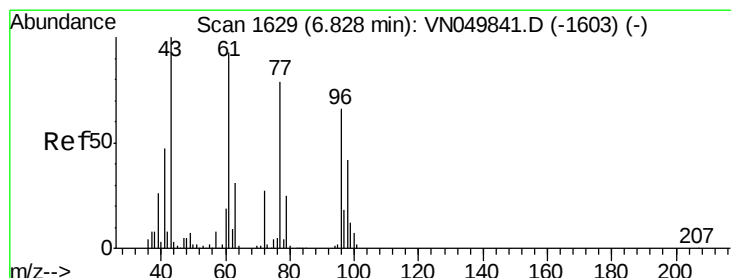
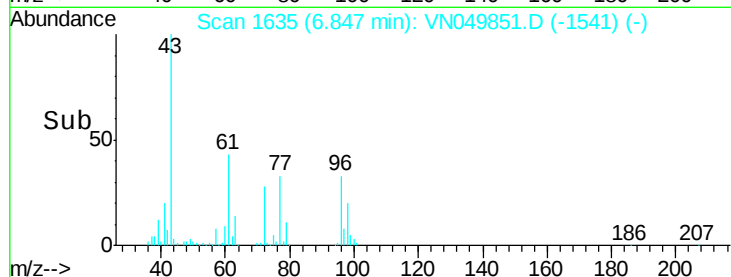
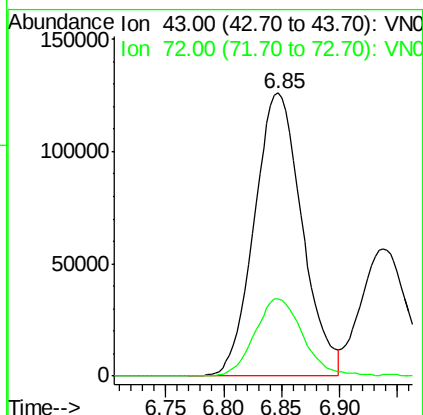
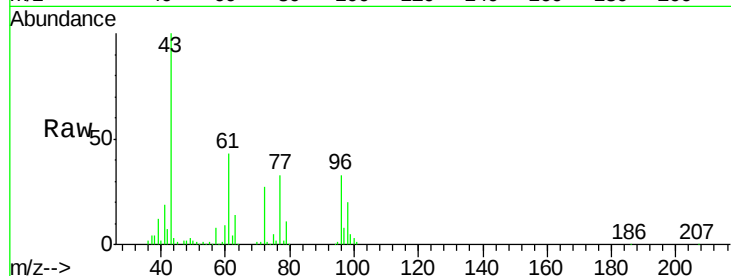




#25
2-Butanone
Concen: 104.99 ug/l
RT: 6.85 min Scan# 1635
Delta R.T. 0.00 min
Lab File: VN049851.D
Acq: 17 Jul 2018 17:26

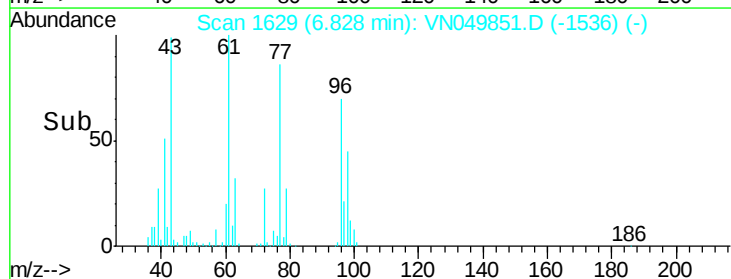
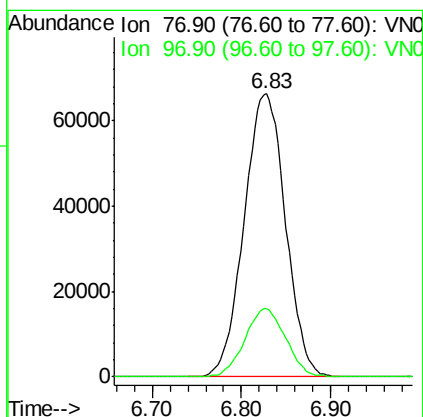
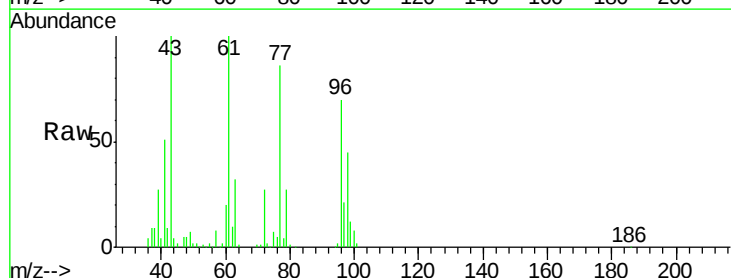
Instrument :
MSVOA_N
ClientSampleId :
VN0717WBSD01

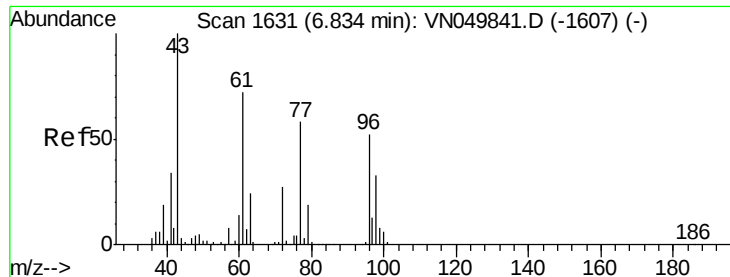
Tot Ion: 43 Resp: 359465
Ion Ratio Lower Upper
43 100
72 27.6 22.1 33.1



#26
2,2-Dichloropropane
Concen: 21.28 ug/l
RT: 6.83 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VN049851.D
Acq: 17 Jul 2018 17:26

Tgt Ion: 77 Resp: 213505
Ion Ratio Lower Upper
77 100
97 23.8 11.9 35.5





#27

cis-1,2-Dichloroethene

Concen: 21.08 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VN049851.D

Acq: 17 Jul 2018 17:26

Instrument :

MSVOA_N

ClientSampleId :

VN0717WBSD01

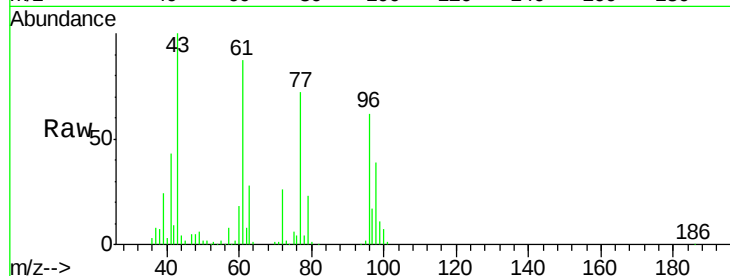
Tot Ion: 96 Resp: 161787

Ion Ratio Lower Upper

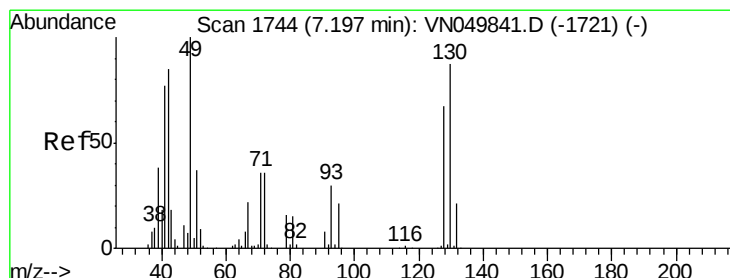
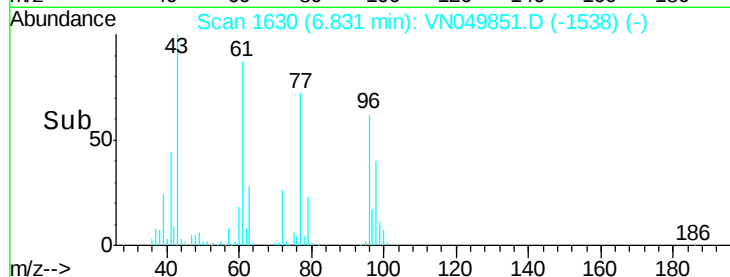
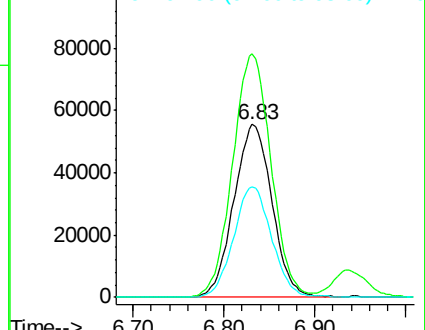
96 100

61 141.7 0.0 289.0

98 64.1 0.0 130.2



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



#28

Bromochloromethane

Concen: 21.80 ug/l

RT: 7.20 min Scan# 1744

Delta R.T. 0.00 min

Lab File: VN049851.D

Acq: 17 Jul 2018 17:26

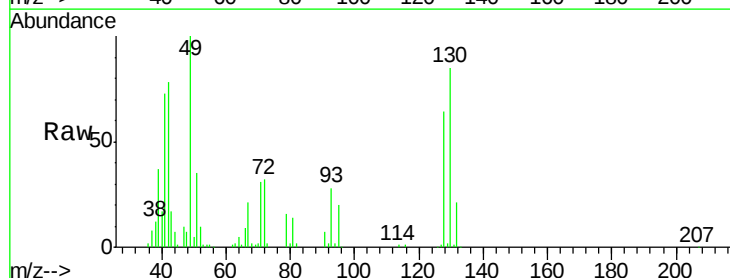
Tgt Ion: 49 Resp: 133341

Ion Ratio Lower Upper

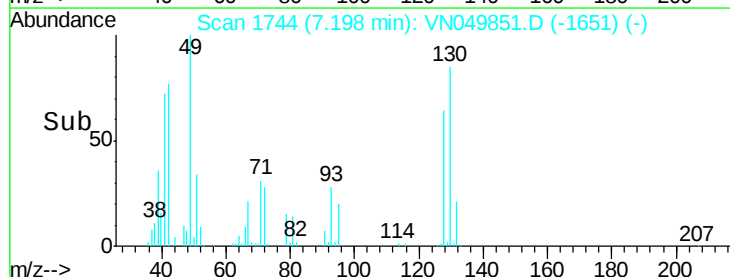
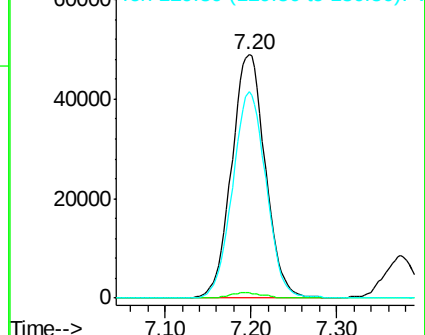
49 100

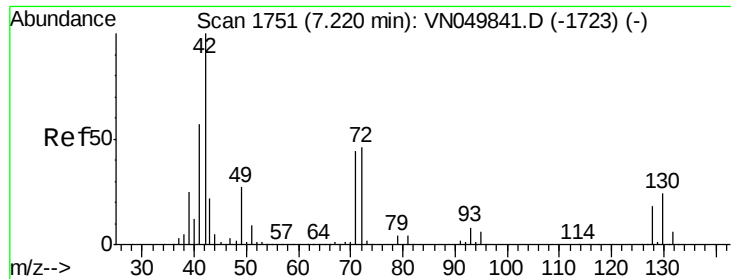
129 2.0 0.0 4.2

130 84.2 65.5 98.3



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

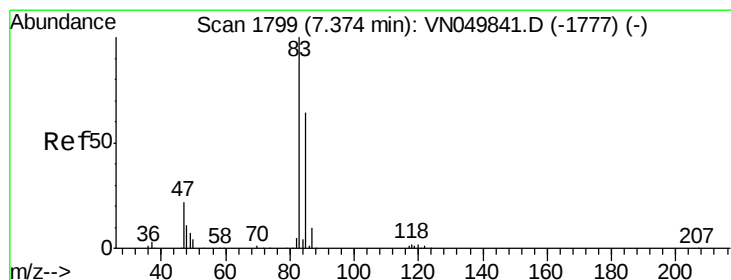
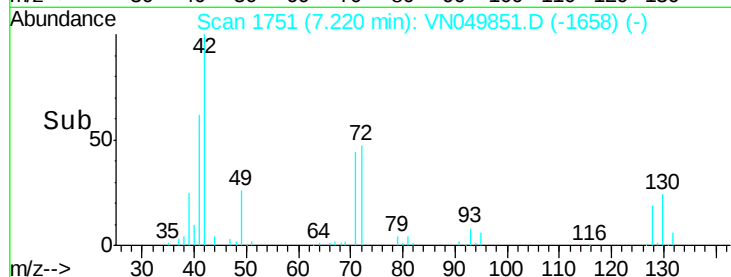
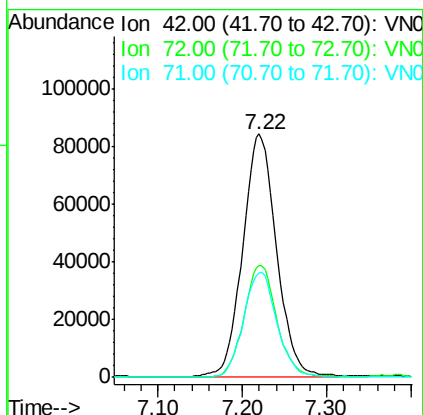
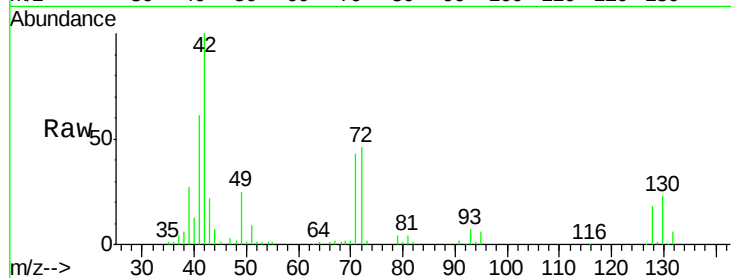




#29
Tetrahydrofuran
Concen: 107.51 ug/l
RT: 7.22 min Scan# 1751
Delta R.T. 0.00 min
Lab File: VN049851.D
Acq: 17 Jul 2018 17:26

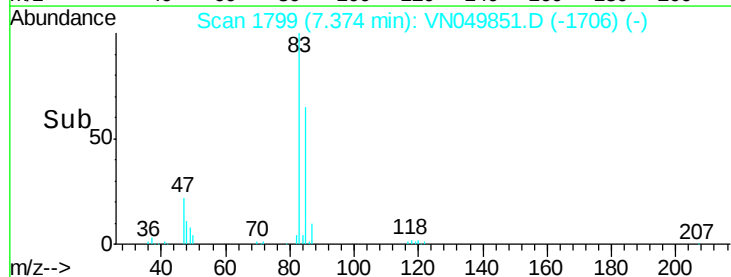
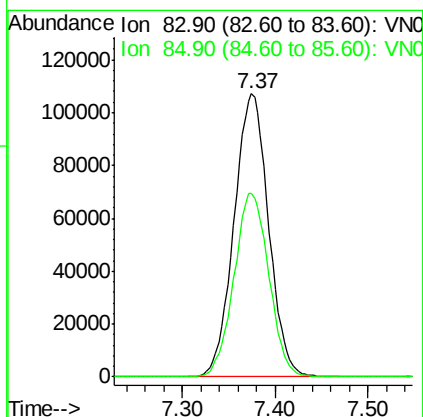
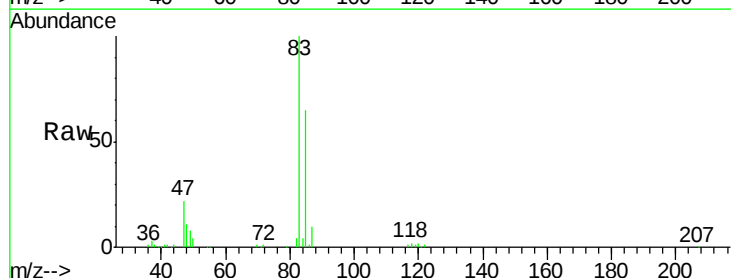
Instrument :
MSVOA_N
ClientSampleId :
VN0717WBSD01

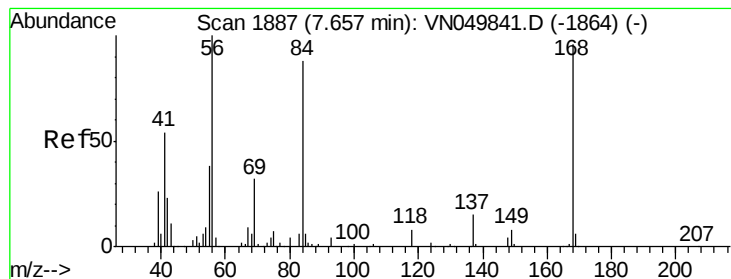
Tot Ion: 42 Resp: 234036
Ion Ratio Lower Upper
42 100
72 44.9 35.6 53.4
71 42.9 34.0 51.0



#30
Chloroform
Concen: 20.35 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN049851.D
Acq: 17 Jul 2018 17:26

Tgt Ion: 83 Resp: 276801
Ion Ratio Lower Upper
83 100
85 64.7 51.4 77.2





#31

Cyclohexane

Concen: 21.67 ug/l

RT: 7.65 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VN049851.D

Acq: 17 Jul 2018 17:26

Instrument :

MSVOA_N

ClientSampleId :

VN0717WBSD01

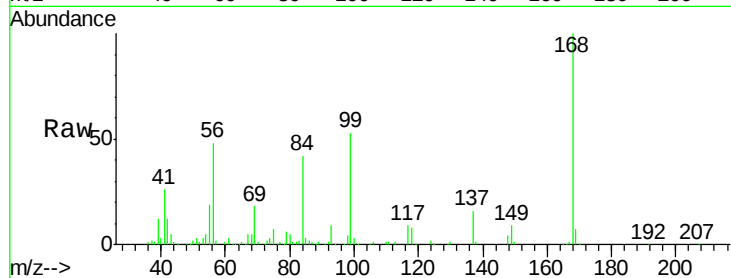
Tot Ion: 56 Resp: 227950

Ion Ratio Lower Upper

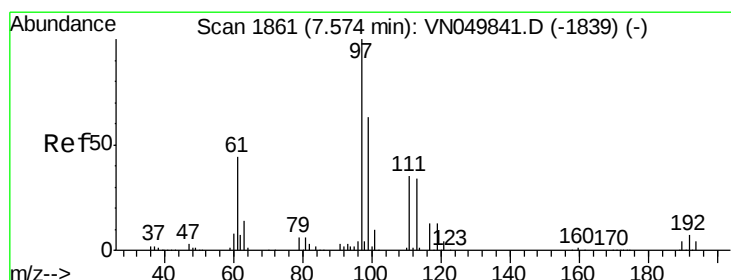
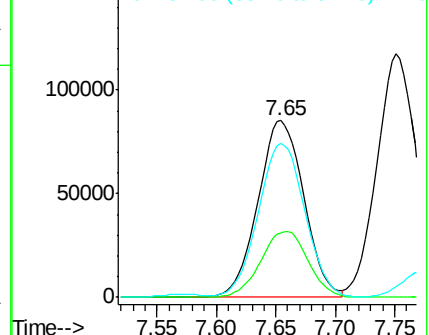
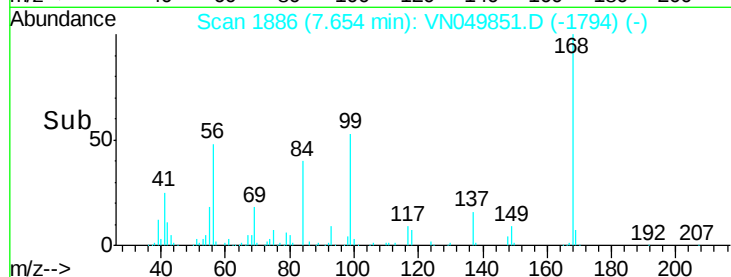
56 100

69 36.7 26.6 40.0

84 85.3 69.0 103.6



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



#32

1,1,1-Trichloroethane

Concen: 20.62 ug/l

RT: 7.57 min Scan# 1860

Delta R.T. -0.00 min

Lab File: VN049851.D

Acq: 17 Jul 2018 17:26

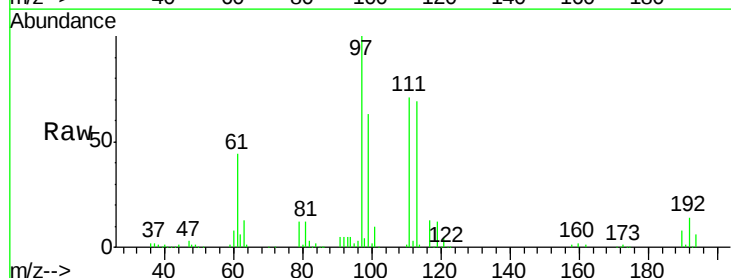
Tgt Ion: 97 Resp: 238259

Ion Ratio Lower Upper

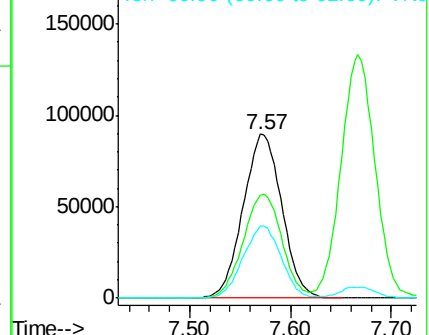
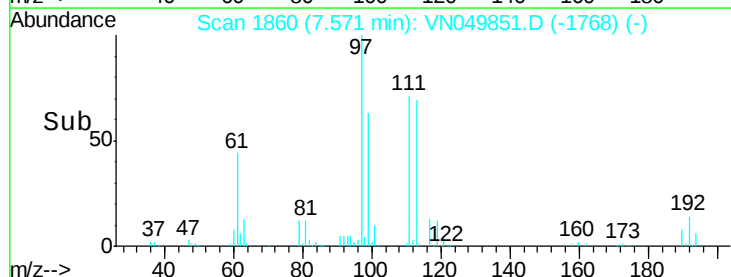
97 100

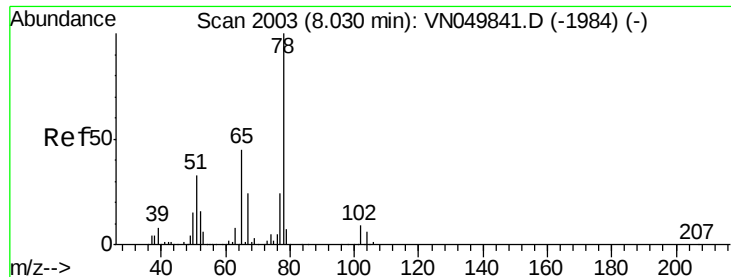
99 63.5 51.0 76.4

61 43.4 35.5 53.3



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





#33

1,2-Dichloroethane-d4

Concen: 52.79 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN049851.D

Acq: 17 Jul 2018 17:26

Instrument :

MSVOA_N

ClientSampleId :

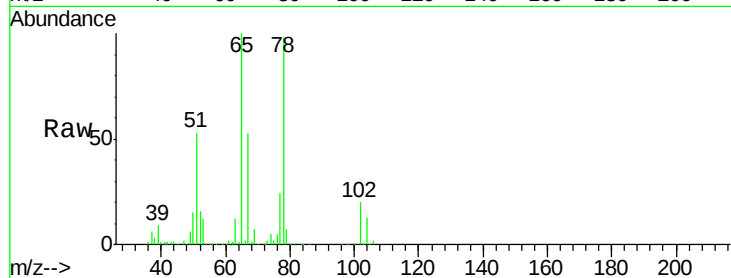
VN0717WBSD01

Tot Ion: 65 Resp: 439062

Ion Ratio Lower Upper

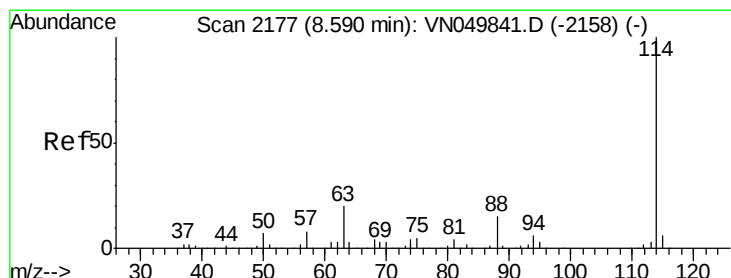
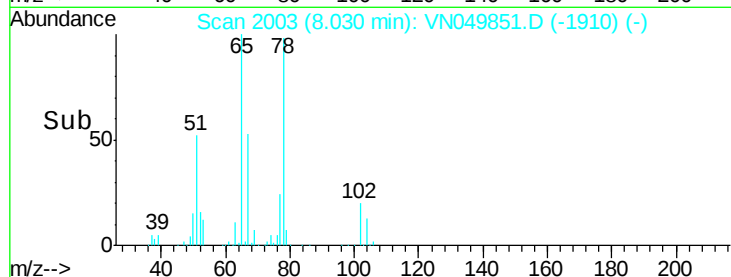
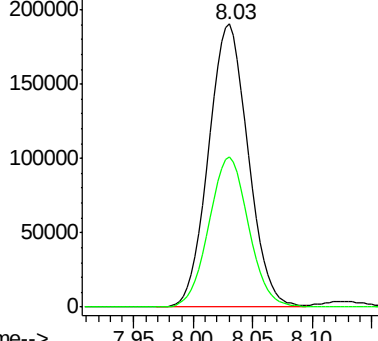
65 100

67 53.1 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2177

Delta R.T. 0.00 min

Lab File: VN049851.D

Acq: 17 Jul 2018 17:26

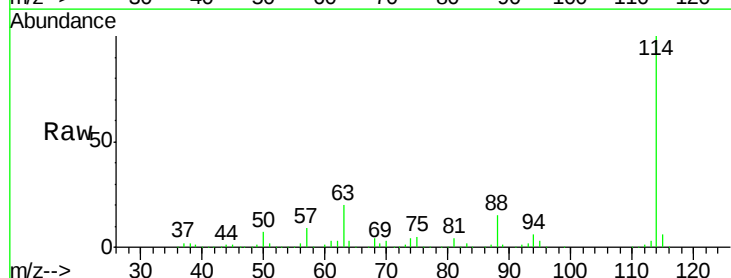
Tgt Ion: 114 Resp: 923733

Ion Ratio Lower Upper

114 100

63 19.6 0.0 39.8

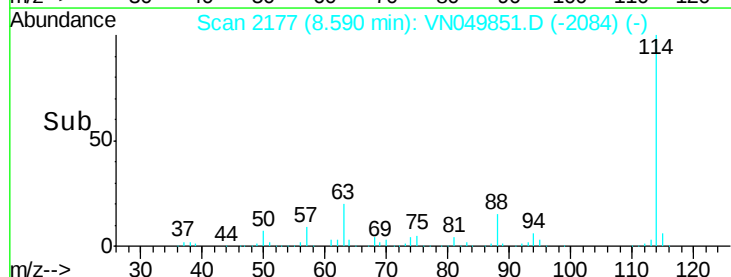
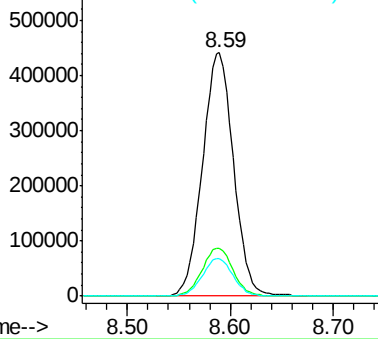
88 15.4 0.0 30.6

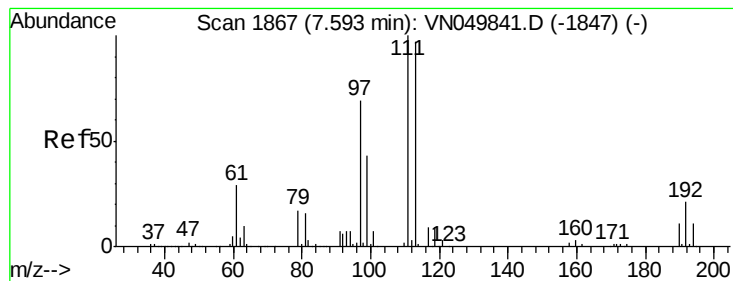


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0





#35

Dibromofluoromethane

Concen: 52.64 ug/l

RT: 7.59 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VN049851.D

Acq: 17 Jul 2018 17:26

Instrument :

MSVOA_N

ClientSampleId :

VN0717WBSD01

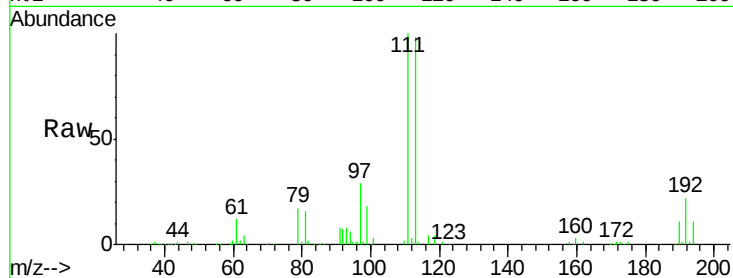
Tot Ion:113 Resp: 385712

Ion Ratio Lower Upper

113 100

111 101.8 81.8 122.8

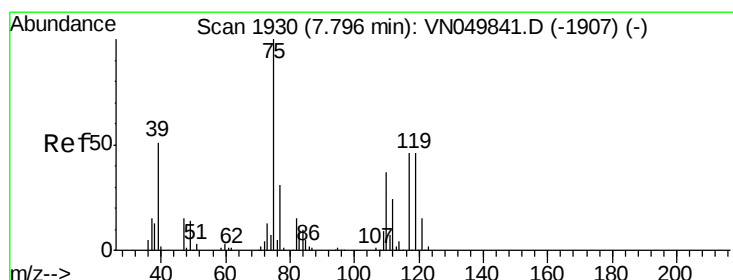
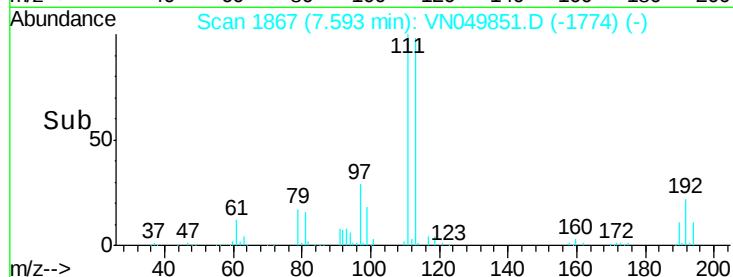
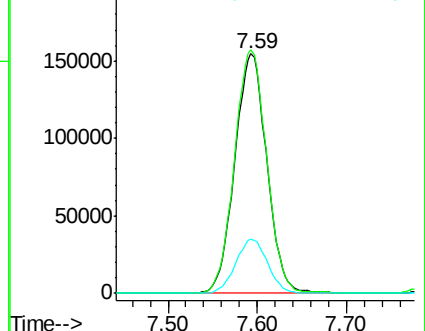
192 22.4 17.8 26.6



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 20.66 ug/l

RT: 7.79 min Scan# 1929

Delta R.T. -0.00 min

Lab File: VN049851.D

Acq: 17 Jul 2018 17:26

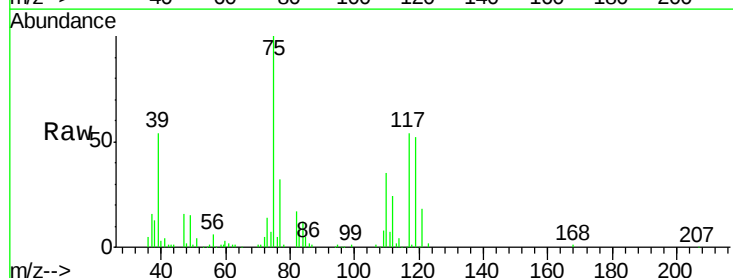
Tgt Ion: 75 Resp: 201895

Ion Ratio Lower Upper

75 100

110 36.1 18.1 54.4

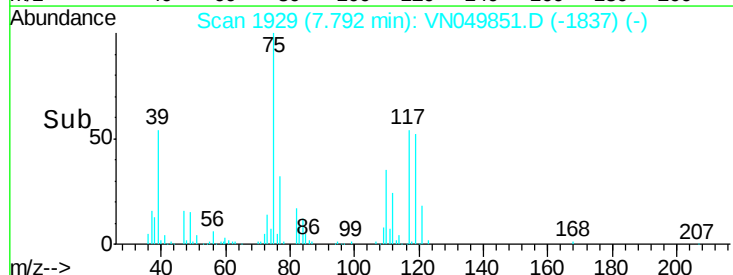
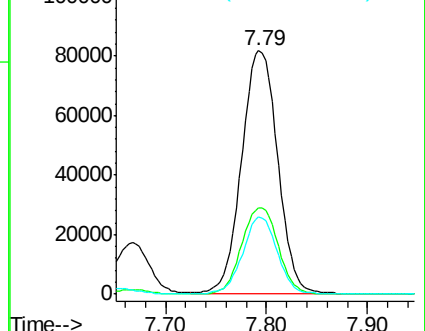
77 30.6 24.9 37.3

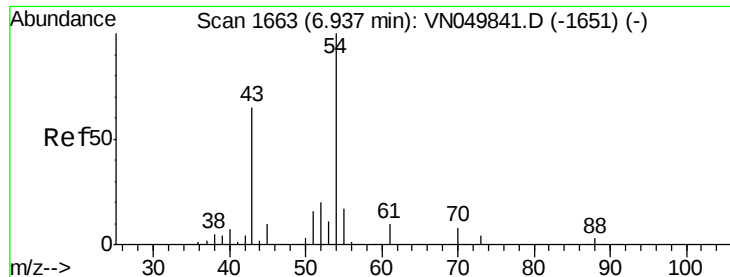


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

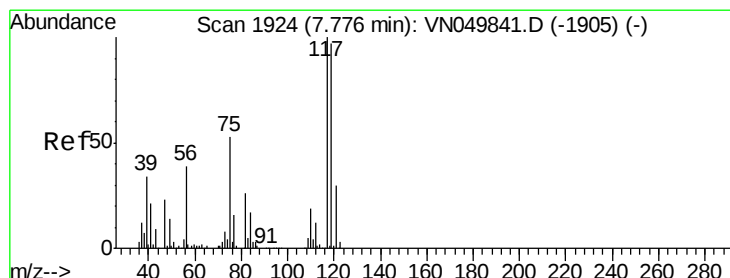
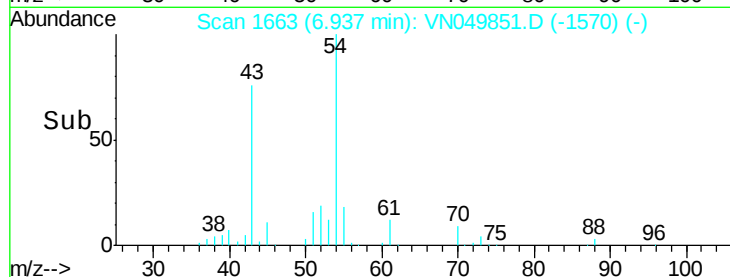
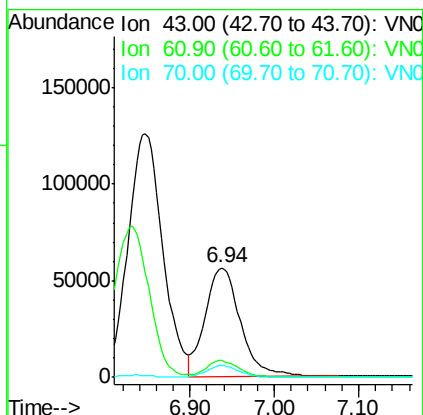
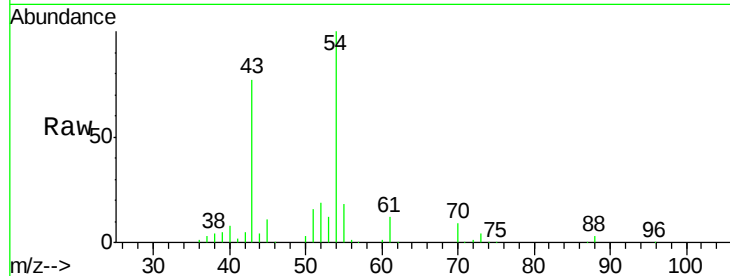




#37
Ethyl Acetate
Concen: 22.43 ug/l
RT: 6.94 min Scan# 1663
Delta R.T. 0.00 min
Lab File: VN049851.D
Acq: 17 Jul 2018 17:26

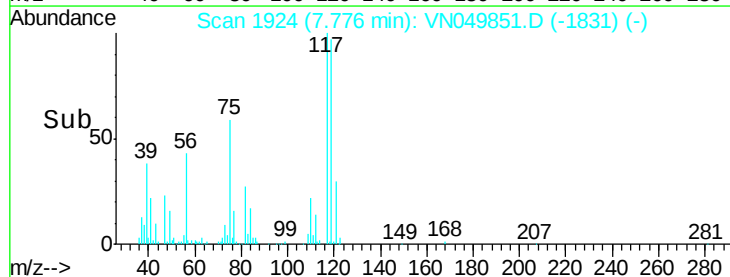
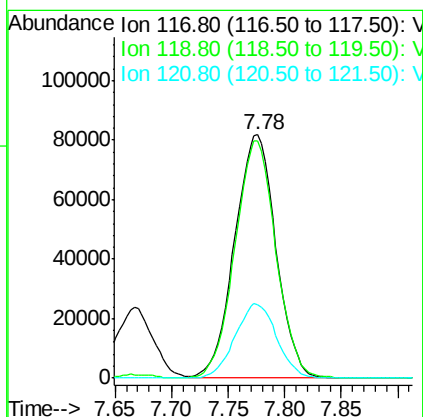
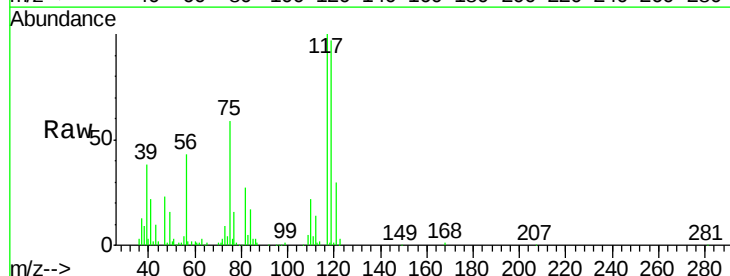
Instrument :
MSVOA_N
ClientSampleId :
VN0717WBSD01

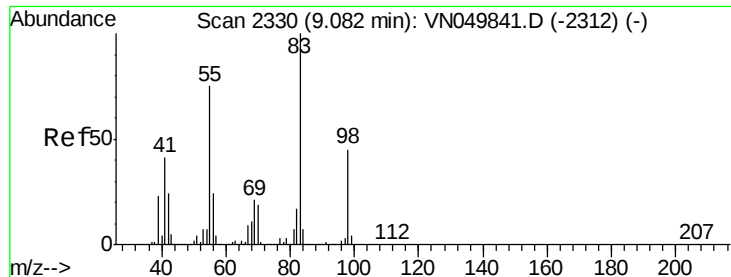
Tot Ion: 43 Resp: 163483
Ion Ratio Lower Upper
43 100
61 13.6 11.7 17.5
70 10.1 8.4 12.6



#38
Carbon Tetrachloride
Concen: 20.19 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VN049851.D
Acq: 17 Jul 2018 17:26

Tgt Ion: 117 Resp: 207853
Ion Ratio Lower Upper
117 100
119 97.2 77.2 115.8
121 30.2 25.0 37.6

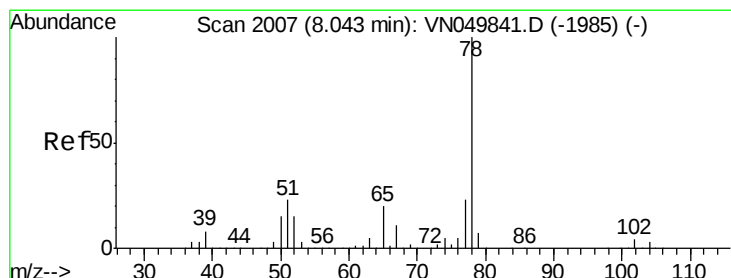
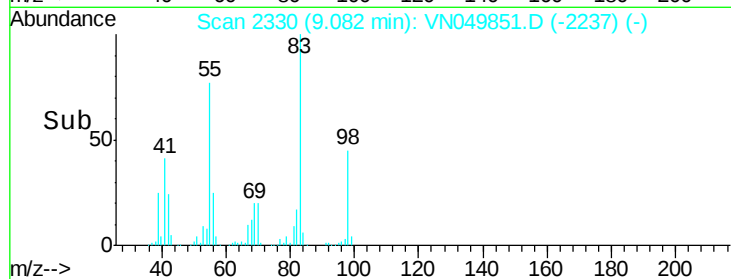
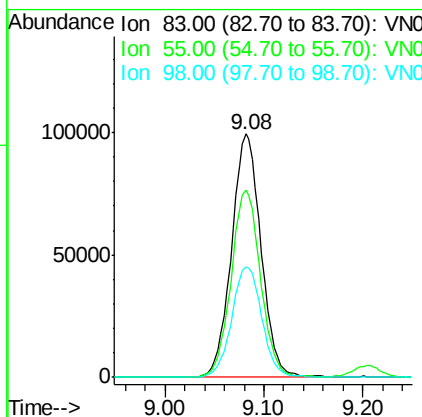
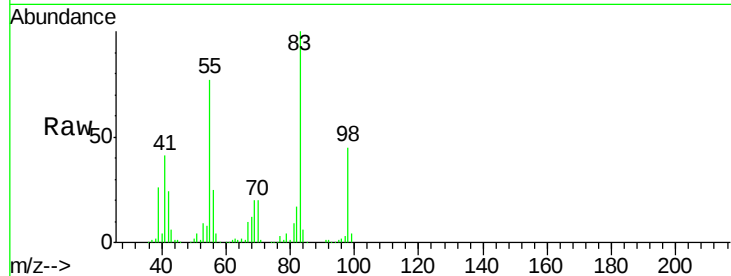




#39
Methvlcvclohexane
Concen: 20.52 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN049851.D
Acq: 17 Jul 2018 17:26

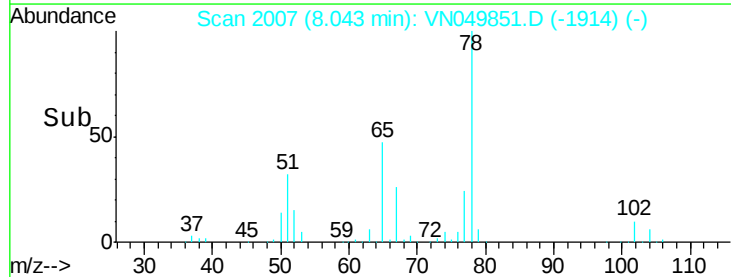
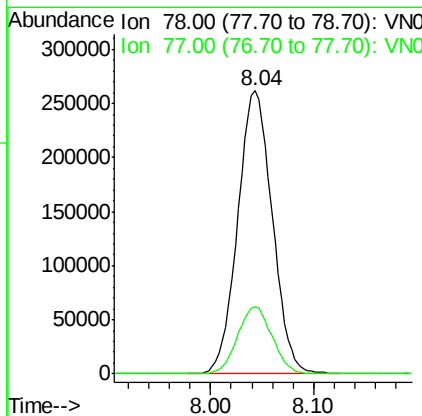
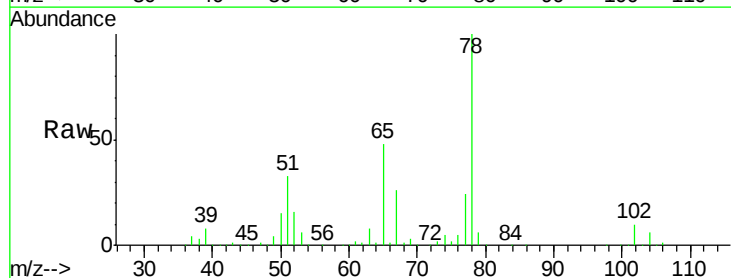
Instrument :
MSVOA_N
ClientSampleId :
VN0717WBSD01

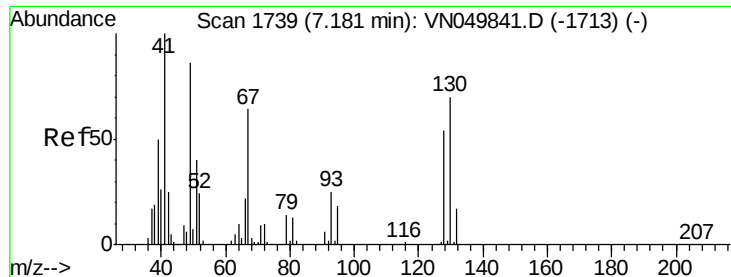
Tot Ion	83	Resp	206507
Ion Ratio	Lower	Upper	
83	100		
55	76.9	59.7	89.5
98	45.5	36.5	54.7



#40
Benzene
Concen: 20.64 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN049851.D
Acq: 17 Jul 2018 17:26

Tgt Ion	78	Resp	611512
Ion Ratio	Lower	Upper	
78	100		
77	23.8	19.0	28.4

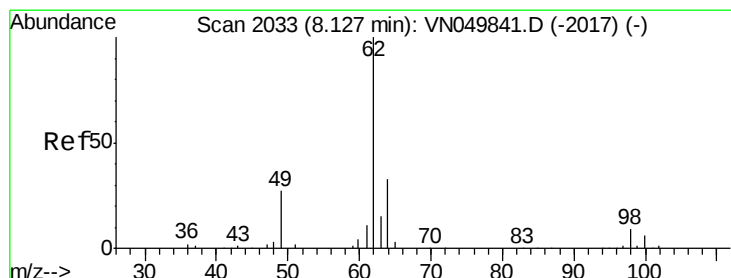
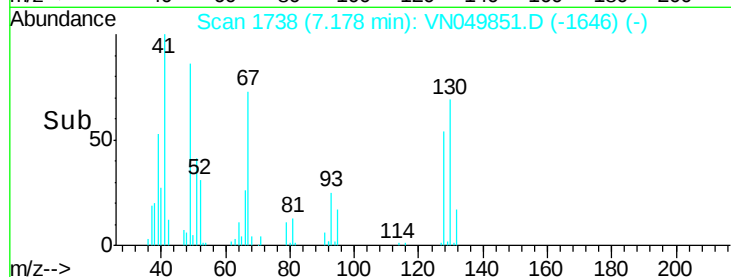
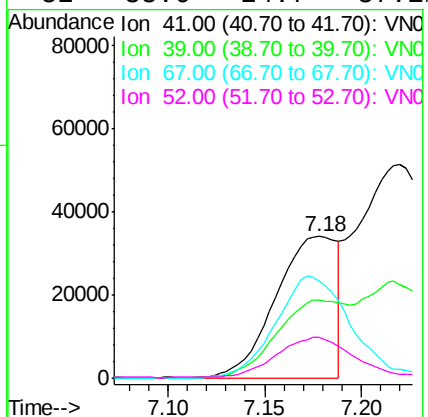
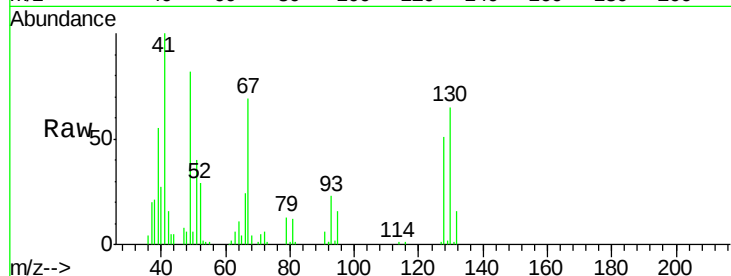




#41
Methacrylonitrile
Concen: 20.11 ug/l
RT: 7.18 min Scan# 1738
Delta R.T. -0.00 min
Lab File: VN049851.D
Acq: 17 Jul 2018 17:26

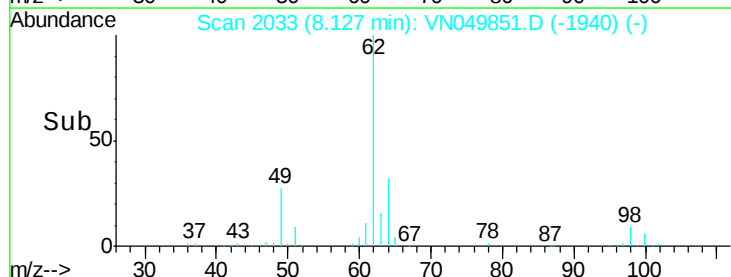
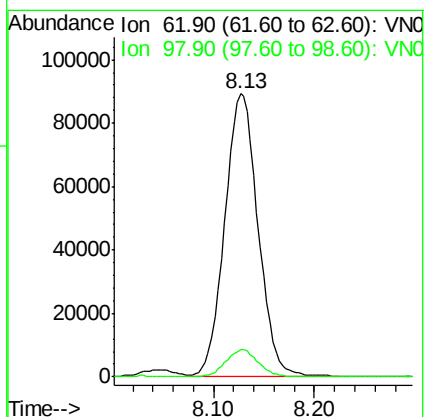
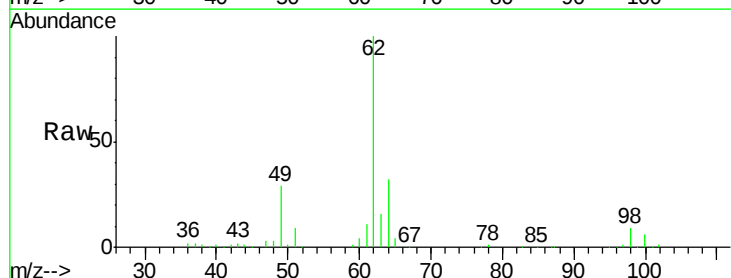
Instrument :
MSVOA_N
ClientSampleId :
VN0717WBSD01

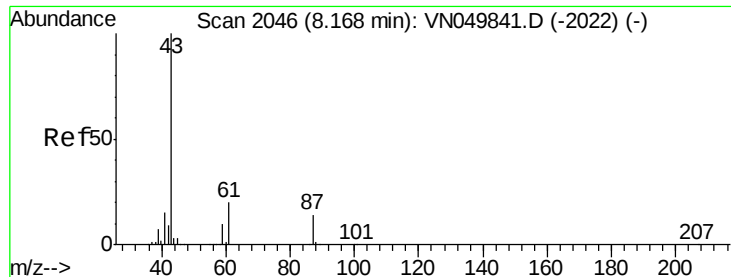
Tot Ion: 41 Resp: 75258
Ion Ratio Lower Upper
41 100
39 63.6 45.4 68.2
67 88.4 65.4 98.0
52 38.6 24.7 37.1#



#42
1,2-Dichloroethane
Concen: 20.27 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN049851.D
Acq: 17 Jul 2018 17:26

Tgt Ion: 62 Resp: 204180
Ion Ratio Lower Upper
62 100
98 9.4 0.0 19.0





#43

Isopropyl Acetate

Concen: 21.78 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN049851.D

Acq: 17 Jul 2018 17:26

Instrument :

MSVOA_N

ClientSampleId :

VN0717WBSD01

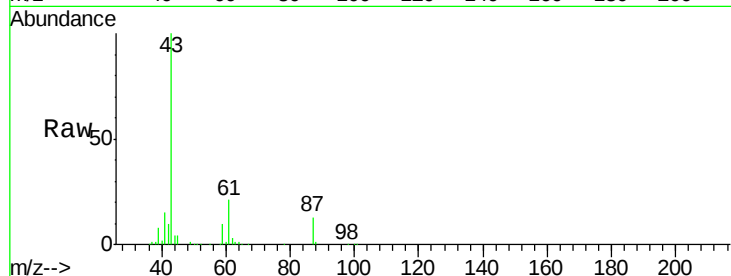
Tot Ion: 43 Resp: 270101

Ion Ratio Lower Upper

43 100

61 20.3 14.9 22.3

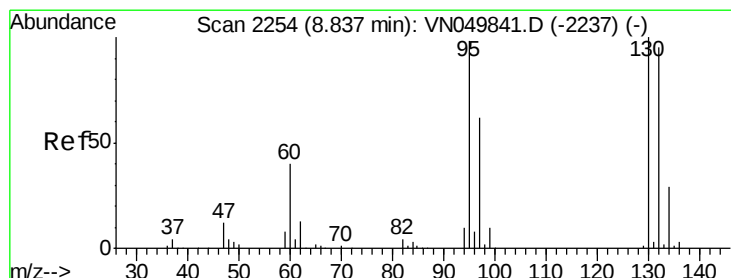
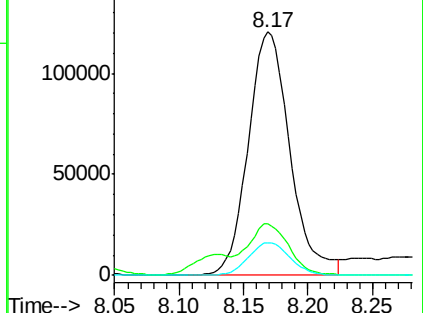
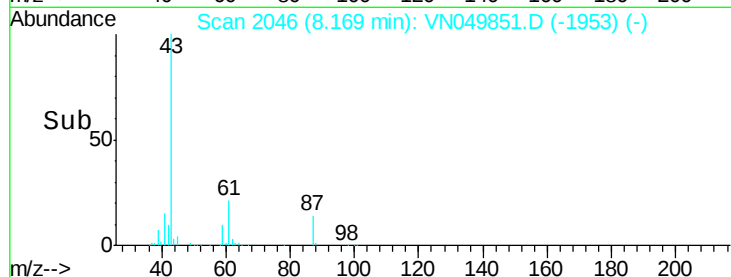
87 13.5 10.0 15.0



Abundance Ion 43.00 (42.70 to 43.70): VN049851.D (-1953) (-)

Ion 61.00 (60.70 to 61.70): VN049851.D (-1953) (-)

Ion 87.00 (86.70 to 87.70): VN049851.D (-1953) (-)



#44

Trichloroethene

Concen: 20.57 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. 0.00 min

Lab File: VN049851.D

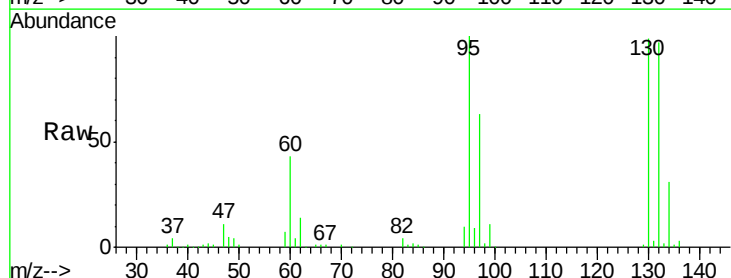
Acq: 17 Jul 2018 17:26

Tgt Ion: 130 Resp: 160322

Ion Ratio Lower Upper

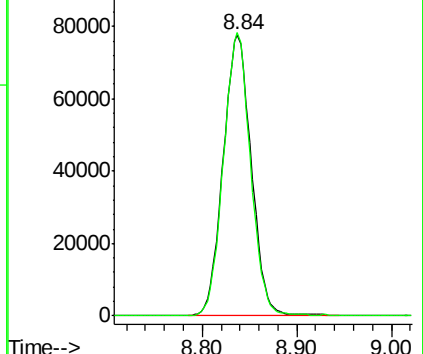
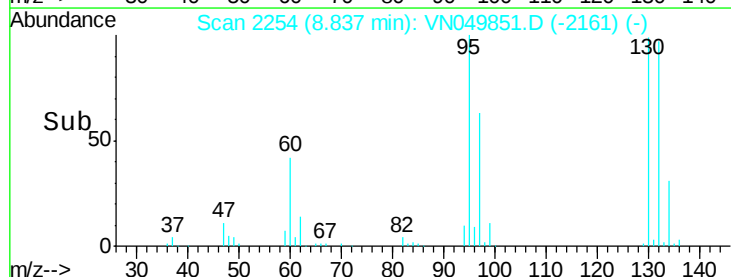
130 100

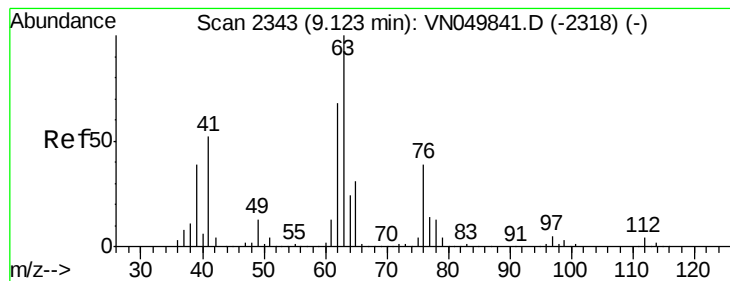
95 100.6 0.0 192.8



Abundance Ion 129.80 (129.50 to 130.50): VN049851.D (-2161) (-)

Ion 94.90 (94.60 to 95.60): VN049851.D (-2161) (-)





#45

1,2-Dichloropropane

Concen: 20.65 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. -0.00 min

Lab File: VN049851.D

Acq: 17 Jul 2018 17:26

Instrument :

MSVOA_N

ClientSampleId :

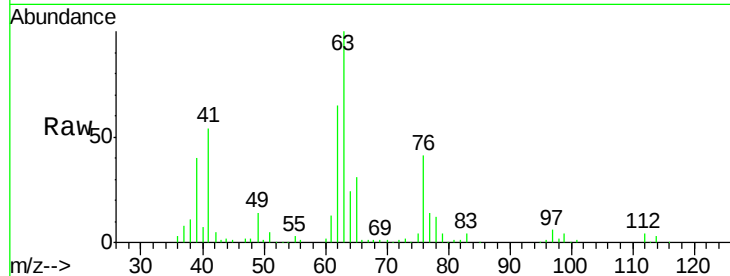
VN0717WBSD01

Tot Ion: 63 Resp: 162976

Ion Ratio Lower Upper

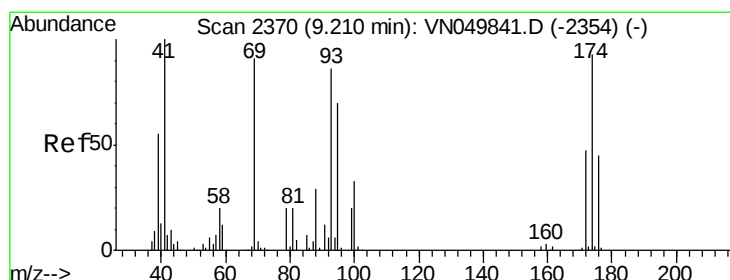
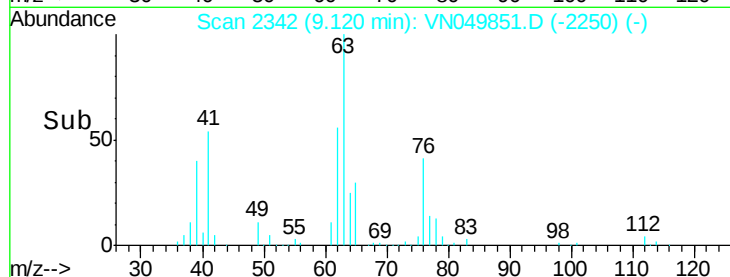
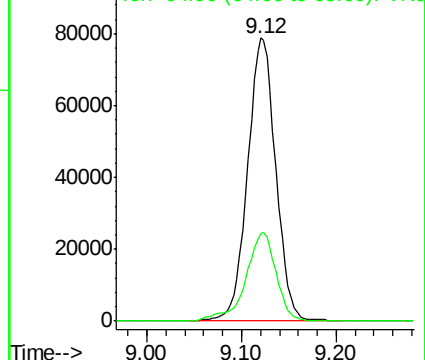
63 100

65 31.1 24.7 37.1



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 20.60 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN049851.D

Acq: 17 Jul 2018 17:26

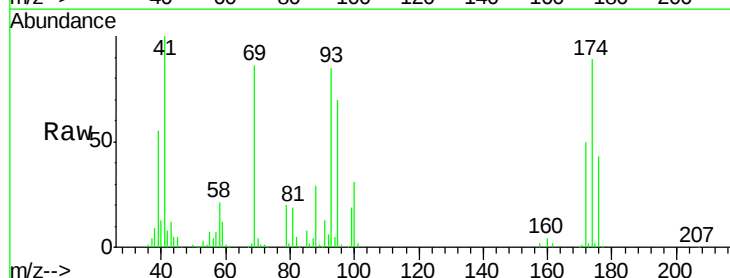
Tgt Ion: 93 Resp: 103740

Ion Ratio Lower Upper

93 100

95 82.7 67.9 101.9

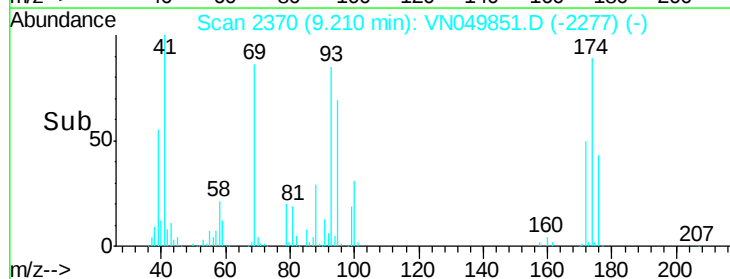
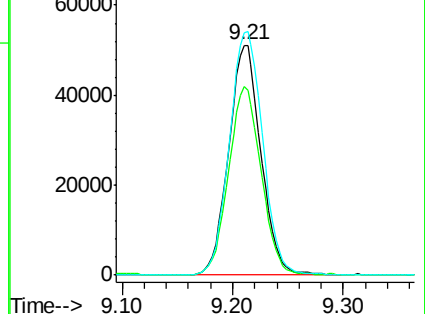
174 109.0 89.4 134.0

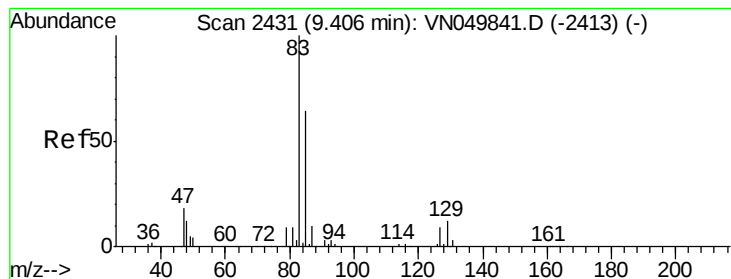


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 20.45 ug/l

RT: 9.41 min Scan# 2431

Delta R.T. 0.00 min

Lab File: VN049851.D

Acq: 17 Jul 2018 17:26

Instrument :

MSVOA_N

ClientSampleId :

VN0717WBSD01

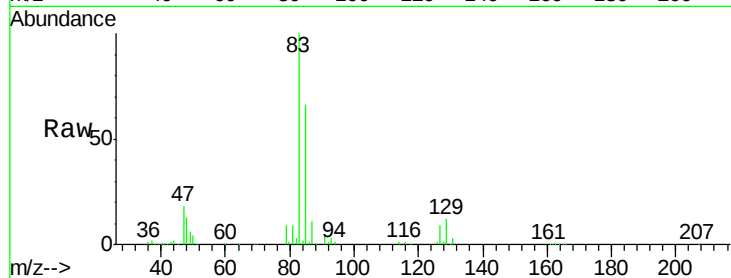
Tot Ion: 83 Resp: 209305

Ion Ratio Lower Upper

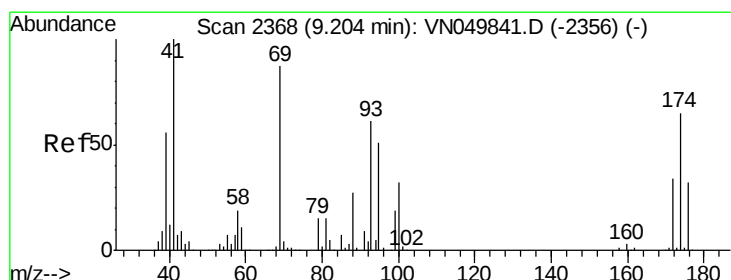
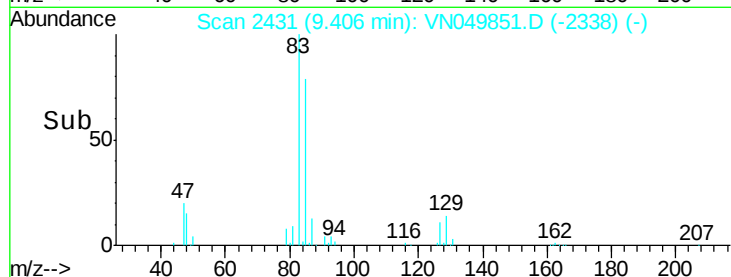
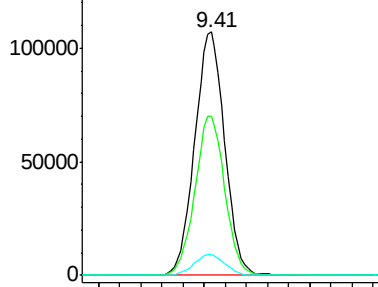
83 100

85 65.5 50.5 75.7

127 8.7 6.8 10.2



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



#48

Methyl methacrylate

Concen: 21.56 ug/l

RT: 9.20 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN049851.D

Acq: 17 Jul 2018 17:26

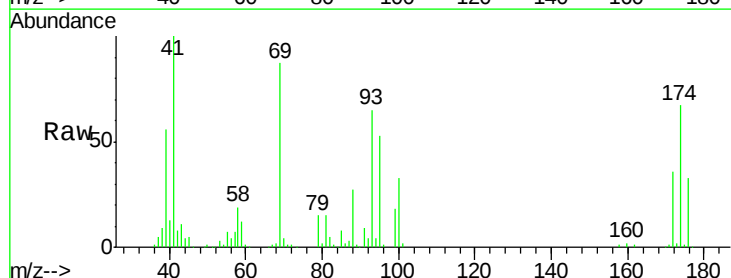
Tgt Ion: 41 Resp: 132600

Ion Ratio Lower Upper

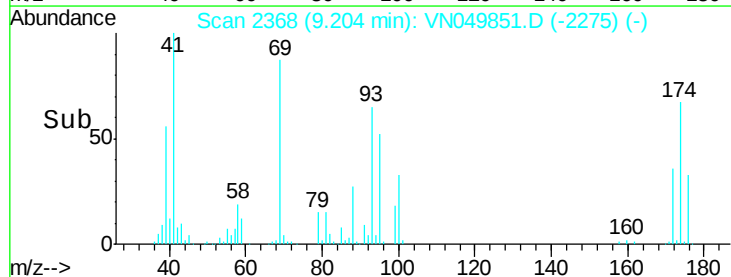
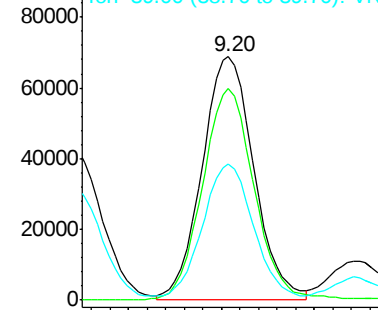
41 100

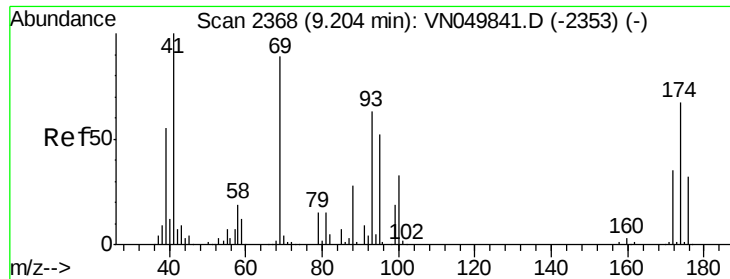
69 87.8 71.5 107.3

39 55.8 44.7 67.1



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

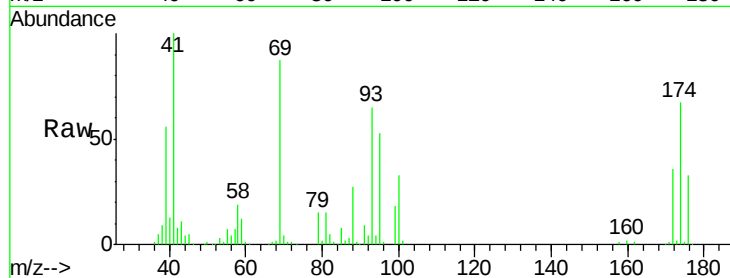




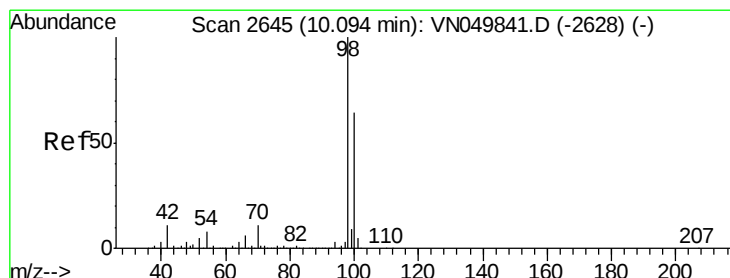
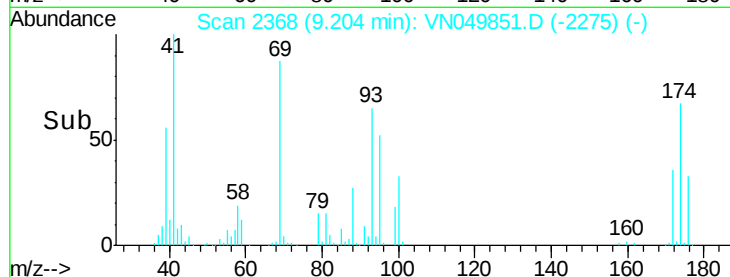
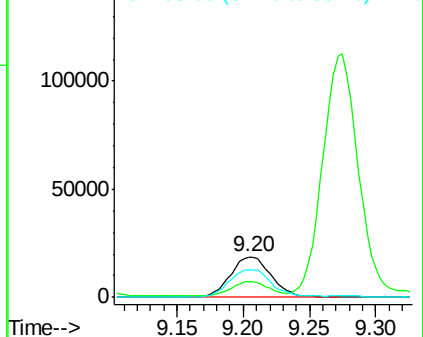
#49
1,4-Dioxane
Concen: 432.81 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN049851.D
Acq: 17 Jul 2018 17:26

Instrument :
MSVOA_N
ClientSampleId :
VN0717WBSD01

Tot Ion: 88 Resp: 40348
Ion Ratio Lower Upper
88 100
43 34.0 25.1 37.7
58 71.2 52.5 78.7

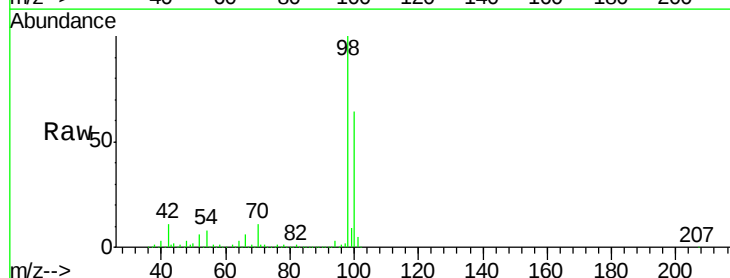


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

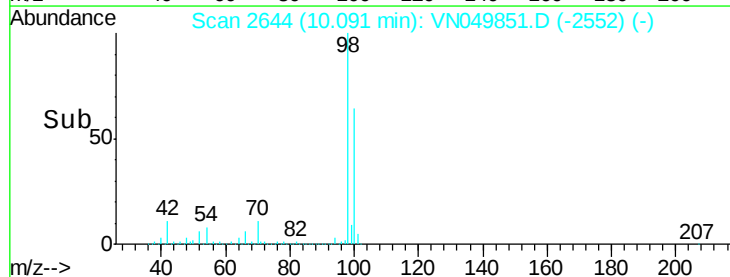
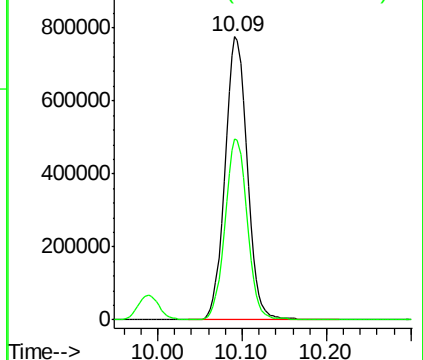


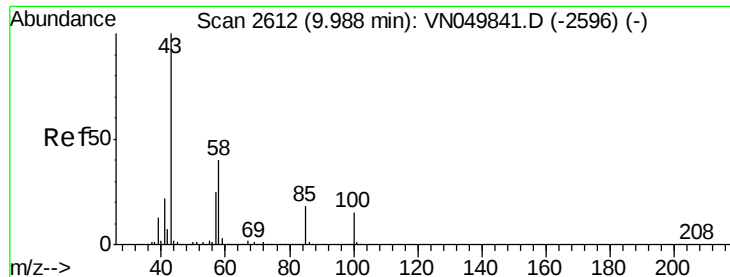
#50
Toluene-d8
Concen: 52.79 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VN049851.D
Acq: 17 Jul 2018 17:26

Tgt Ion: 98 Resp: 1420032
Ion Ratio Lower Upper
98 100
100 64.0 51.7 77.5



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

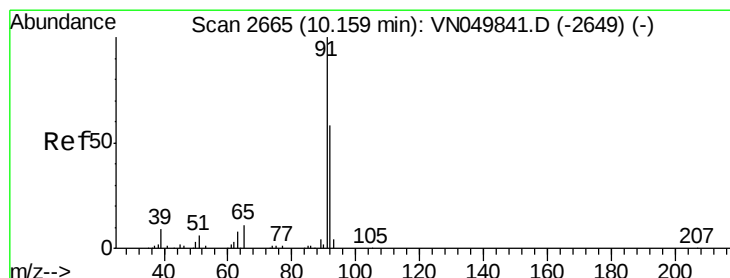
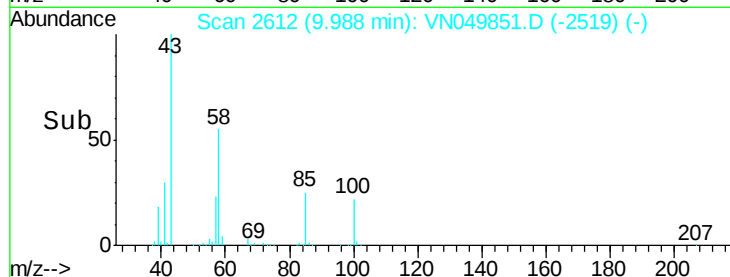
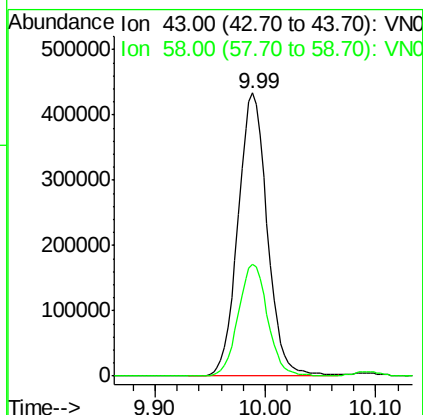
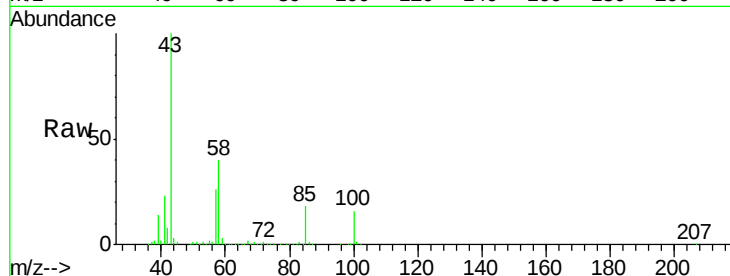




#51
4-Methyl-2-Pentanone
Concen: 109.02 ug/l
RT: 9.99 min Scan# 2612
Delta R.T. 0.00 min
Lab File: VN049851.D
Acq: 17 Jul 2018 17:26

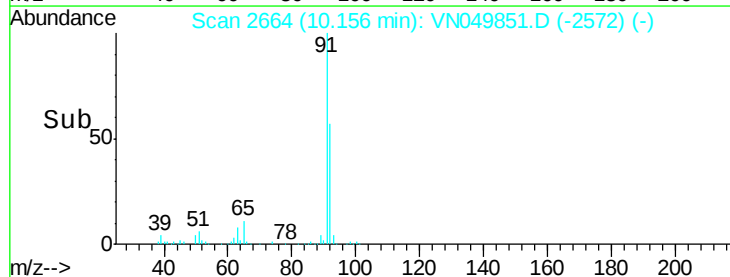
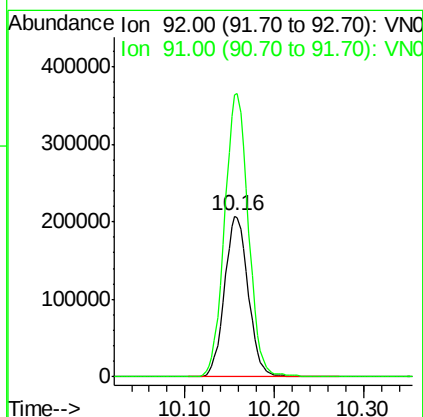
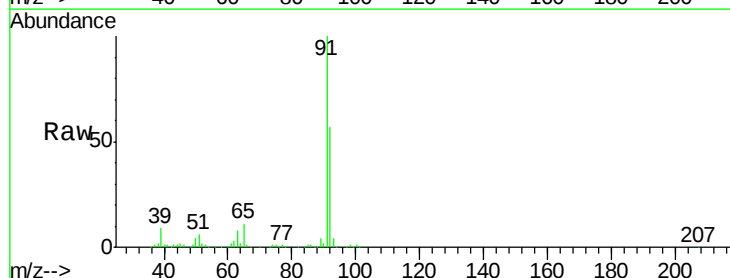
Instrument :
MSVOA_N
ClientSampleId :
VN0717WBSD01

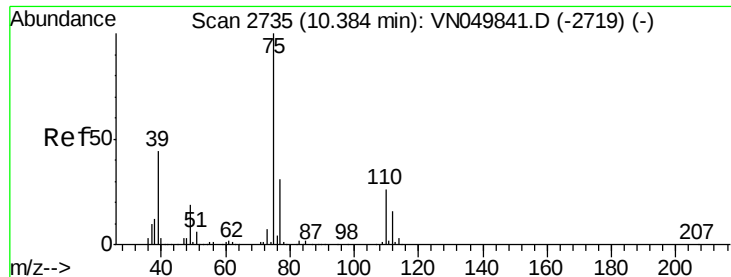
Tot Ion: 43 Resp: 795269
Ion Ratio Lower Upper
43 100
58 39.7 31.8 47.8



#52
Toluene
Concen: 21.44 ug/l
RT: 10.16 min Scan# 2664
Delta R.T. -0.00 min
Lab File: VN049851.D
Acq: 17 Jul 2018 17:26

Tgt Ion: 92 Resp: 380675
Ion Ratio Lower Upper
92 100
91 177.5 140.1 210.1





#53

t-1,3-Dichloropropene

Concen: 21.39 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN049851.D

Acq: 17 Jul 2018 17:26

Instrument :

MSVOA_N

ClientSampled :

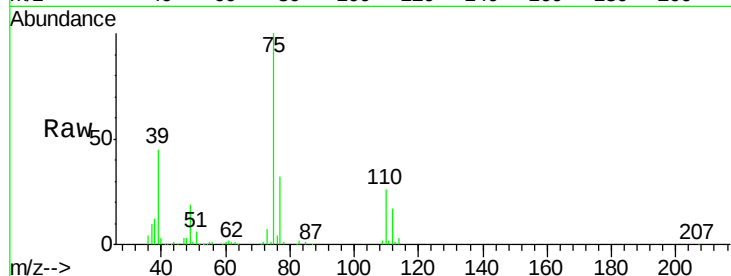
VN0717WBSD01

Tot Ion: 75 Resp: 213697

Ion Ratio Lower Upper

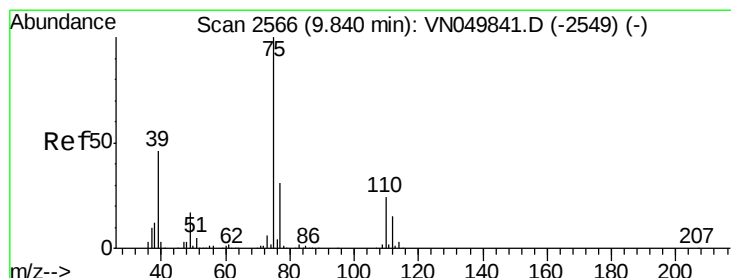
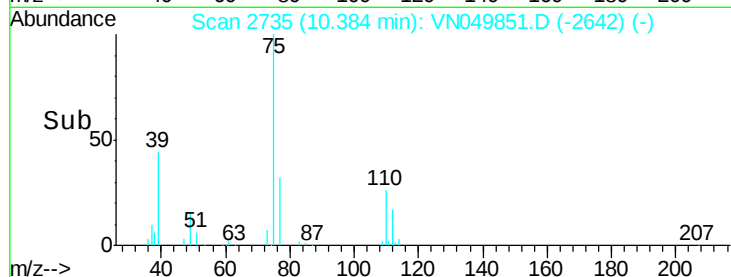
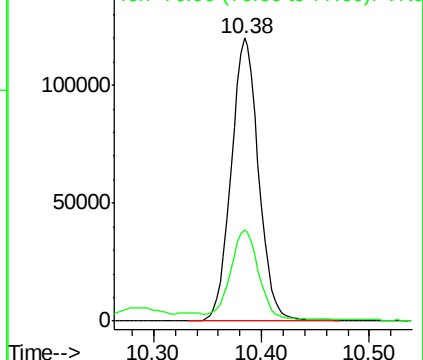
75 100

77 31.7 25.2 37.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 21.52 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VN049851.D

Acq: 17 Jul 2018 17:26

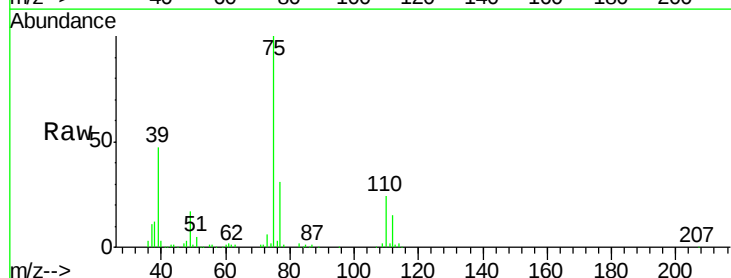
Tgt Ion: 75 Resp: 241336

Ion Ratio Lower Upper

75 100

77 31.4 25.3 37.9

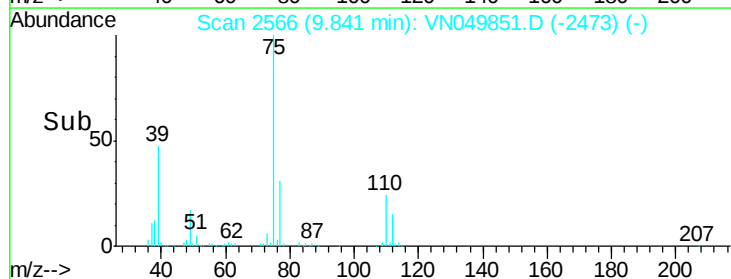
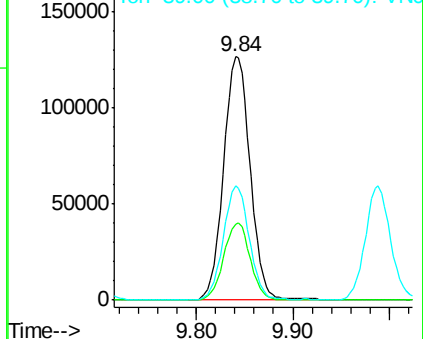
39 47.0 35.5 53.3

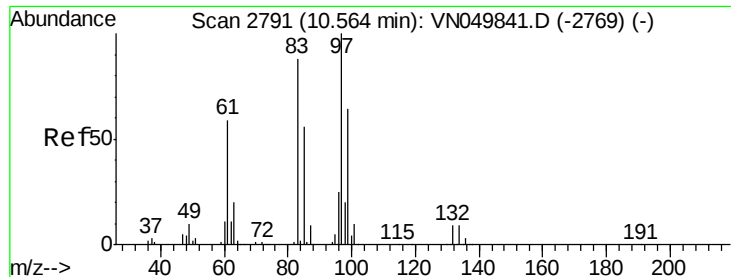


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

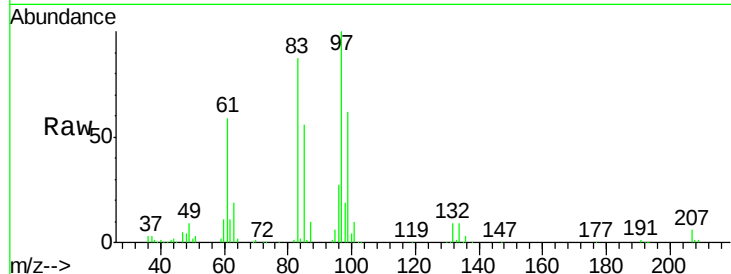




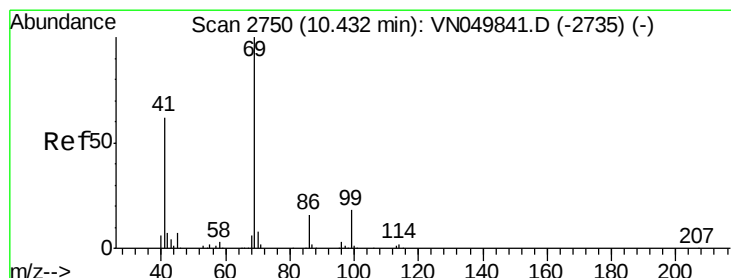
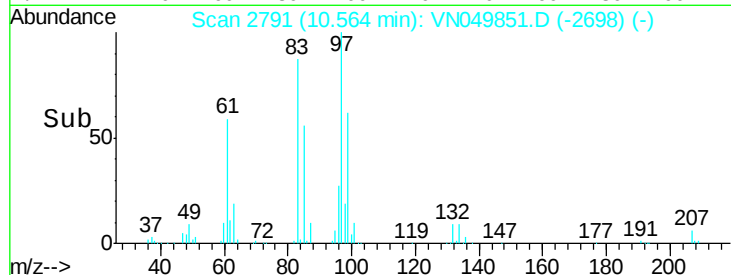
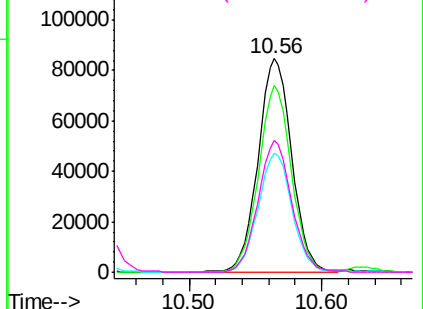
#55
 1,1,2-Trichloroethane
 Concen: 20.59 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN049851.D
 Acq: 17 Jul 2018 17:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0717WBSD01

Tot Ion:	97	Resp:	149985
Ion	Ratio	Lower	Upper
97	100		
83	87.2	69.0	103.6
85	56.0	44.9	67.3
99	61.7	49.8	74.6

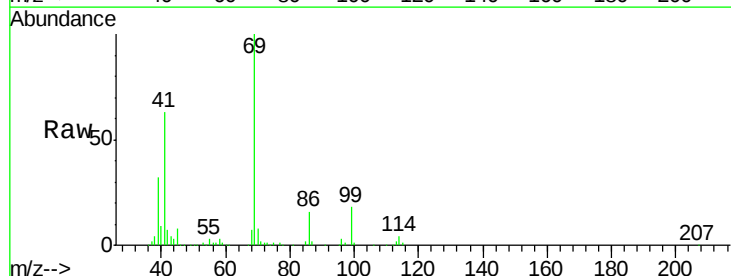


Abundance Ion 96.90 (96.60 to 97.60): VNO
 Ion 82.90 (82.60 to 83.60): VNO
 Ion 84.90 (84.60 to 85.60): VNO
 Ion 98.90 (98.60 to 99.60): VNO

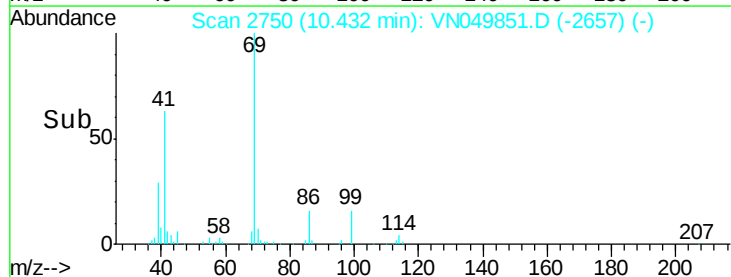
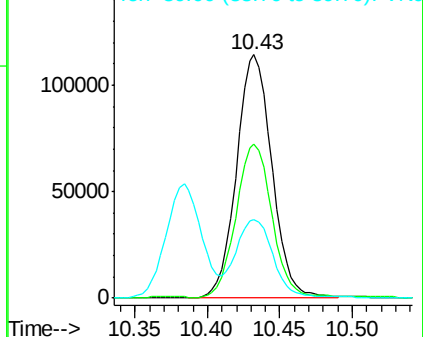


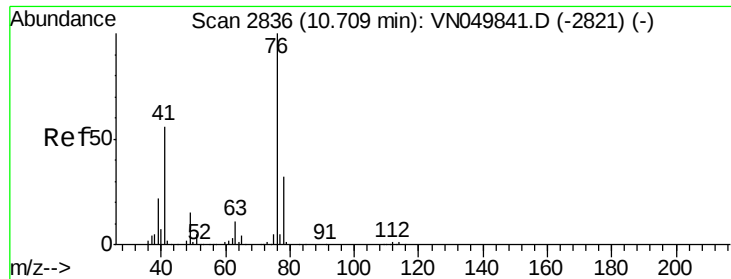
#56
 Ethyl methacrylate
 Concen: 21.99 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN049851.D
 Acq: 17 Jul 2018 17:26

Tgt Ion:	69	Resp:	194088
Ion	Ratio	Lower	Upper
69	100		
41	63.8	51.6	77.4
39	33.9	25.8	38.8



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

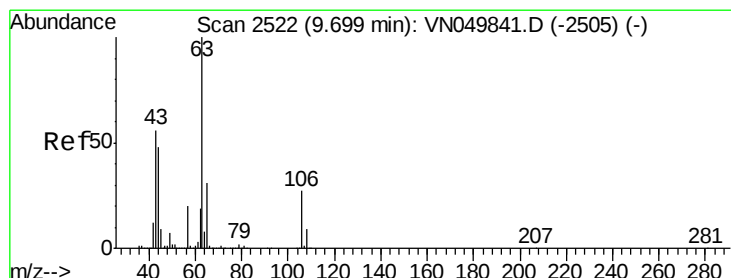
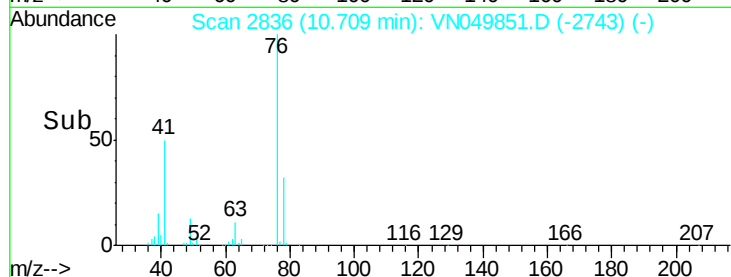
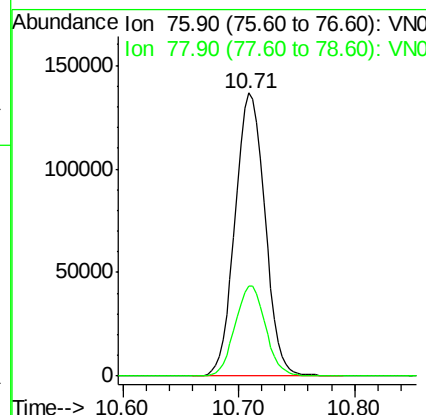
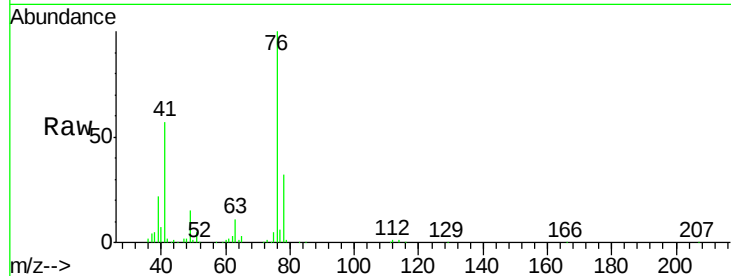




#57
 1,3-Dichloropropane
 Concen: 20.76 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. 0.00 min
 Lab File: VN049851.D
 Acq: 17 Jul 2018 17:26

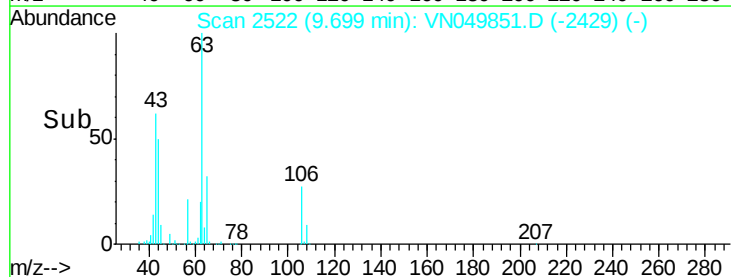
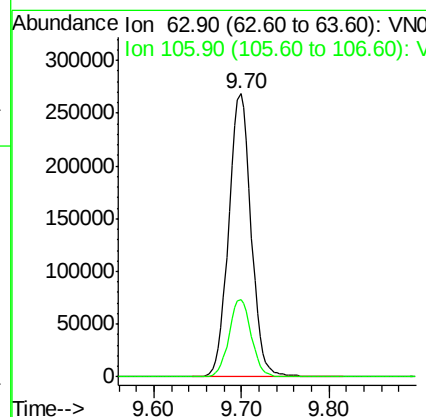
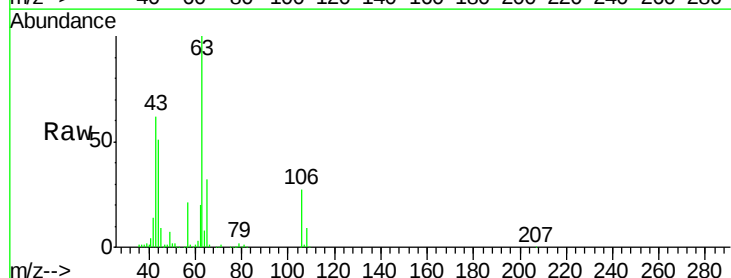
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0717WBSD01

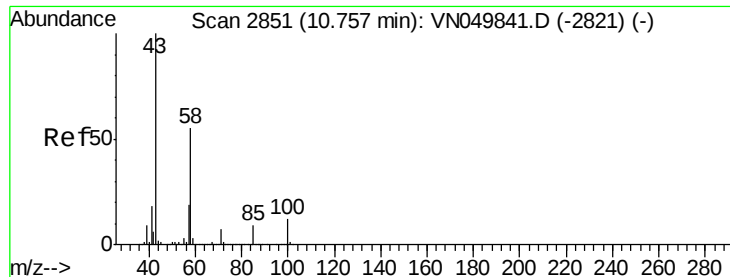
Tot Ion: 76 Resp: 244958
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.8 38.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 114.91 ug/l
 RT: 9.70 min Scan# 2522
 Delta R.T. 0.00 min
 Lab File: VN049851.D
 Acq: 17 Jul 2018 17:26

Tgt Ion: 63 Resp: 478673
 Ion Ratio Lower Upper
 63 100
 106 27.2 21.8 32.8

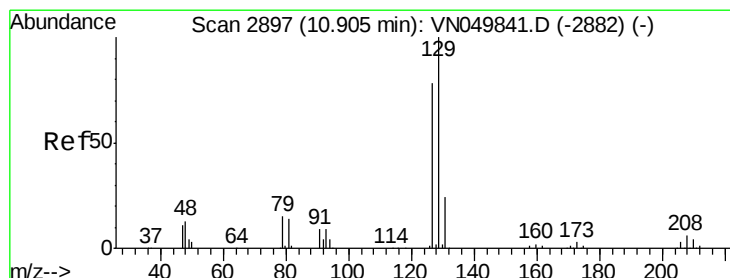
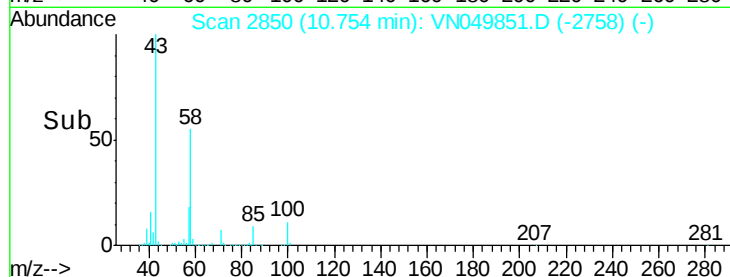
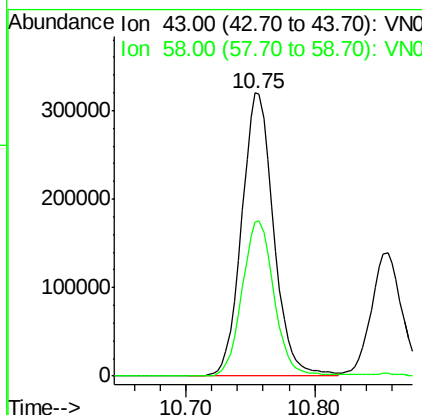
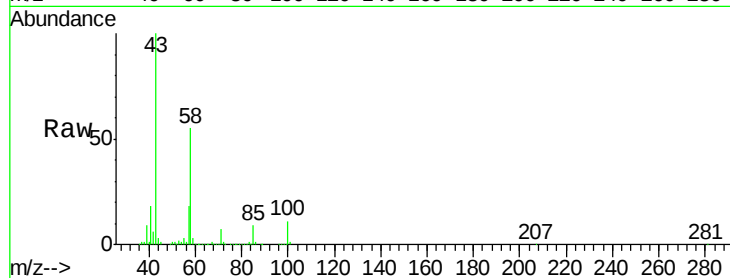




#59
2-Hexanone
Concen: 109.86 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. -0.00 min
Lab File: VN049851.D
Acq: 17 Jul 2018 17:26

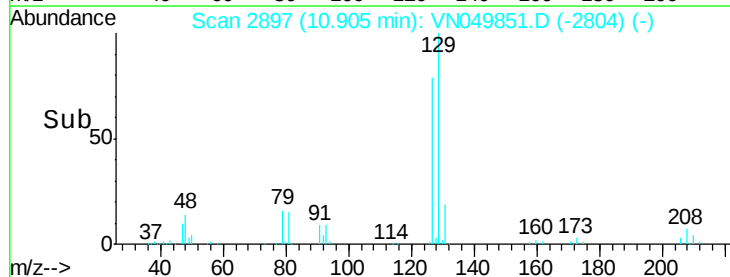
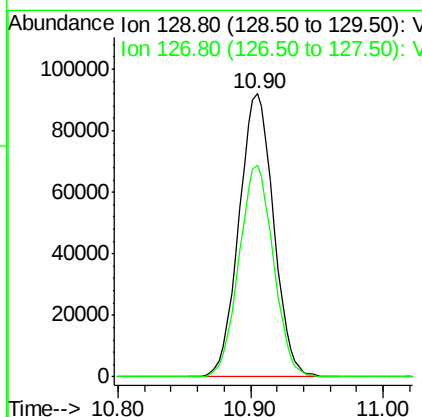
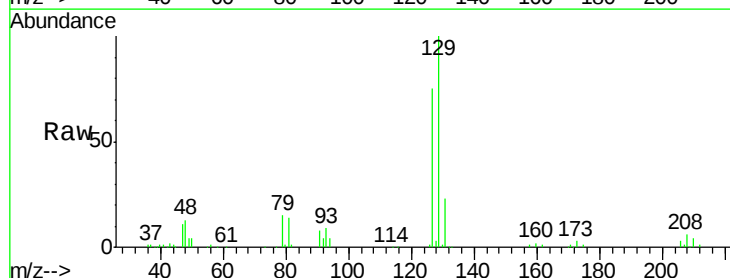
Instrument :
MSVOA_N
ClientSampleId :
VN0717WBSD01

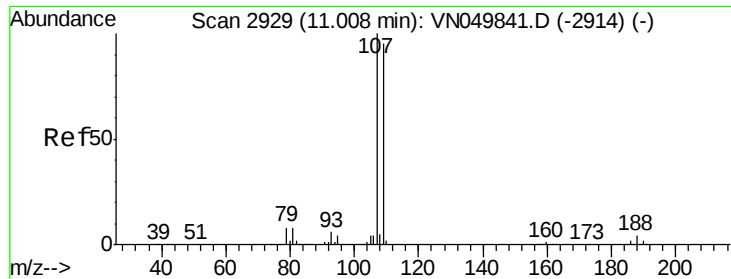
Tot Ion: 43 Resp: 549462
Ion Ratio Lower Upper
43 100
58 55.4 27.8 83.4



#60
Dibromochloromethane
Concen: 20.57 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VN049851.D
Acq: 17 Jul 2018 17:26

Tgt Ion: 129 Resp: 166894
Ion Ratio Lower Upper
129 100
127 74.3 38.3 114.9

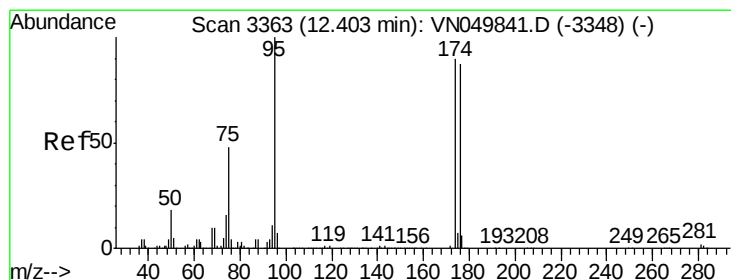
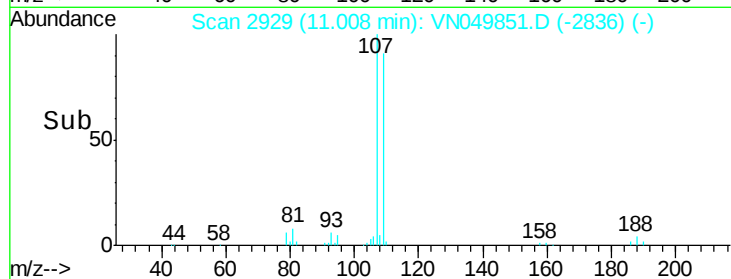
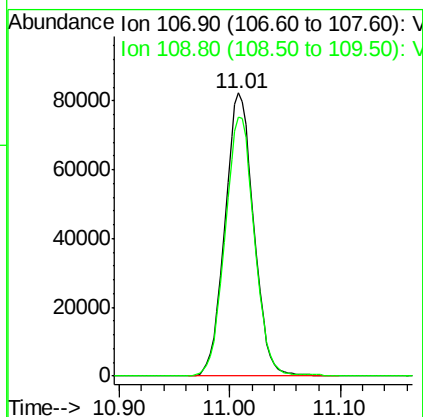
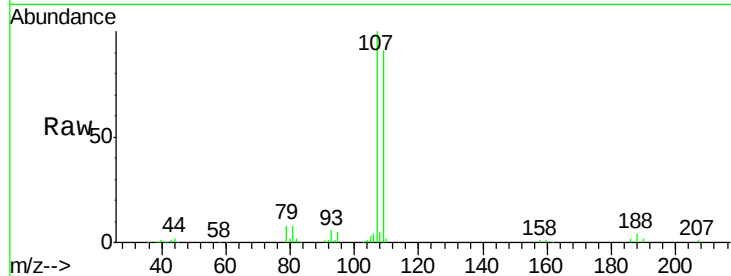




#61
 1,2-Dibromoethane
 Concen: 20.83 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. 0.00 min
 Lab File: VN049851.D
 Acq: 17 Jul 2018 17:26

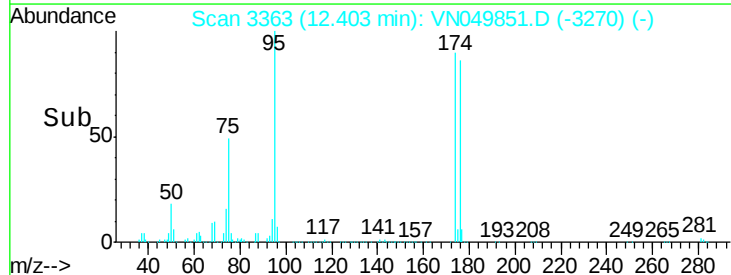
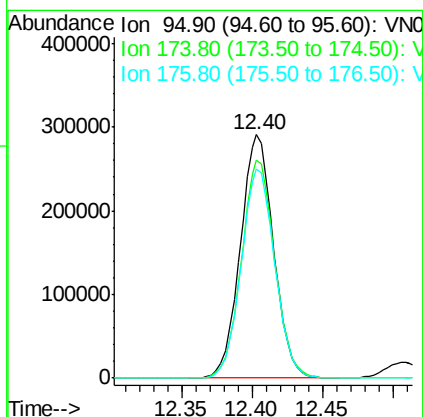
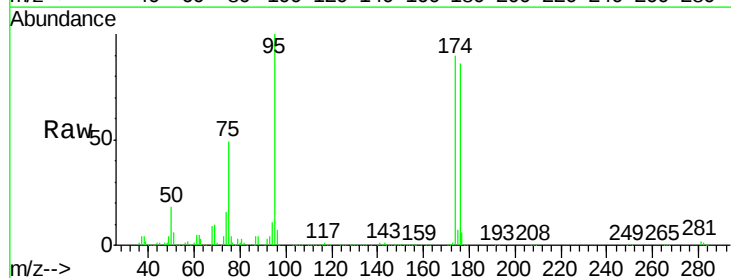
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0717WBSD01

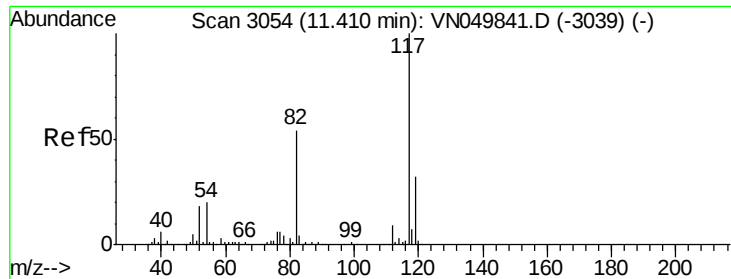
Tot Ion: 107 Resp: 148748
 Ion Ratio Lower Upper
 107 100
 109 93.3 75.0 112.6



#62
 4-Bromofluorobenzene
 Concen: 53.10 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN049851.D
 Acq: 17 Jul 2018 17:26

Tgt Ion: 95 Resp: 478414
 Ion Ratio Lower Upper
 95 100
 174 90.2 0.0 179.6
 176 87.0 0.0 174.0

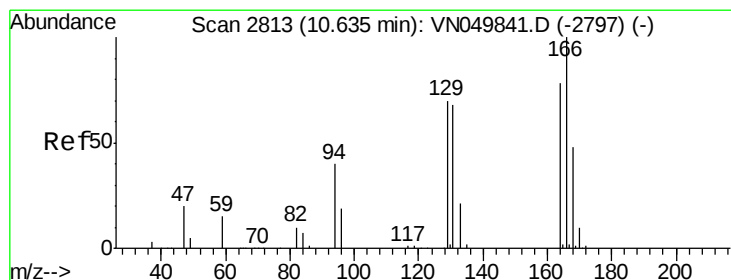
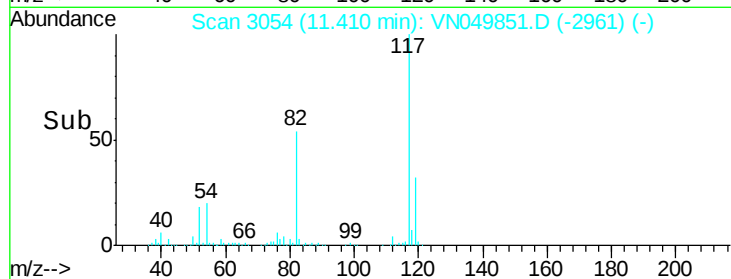
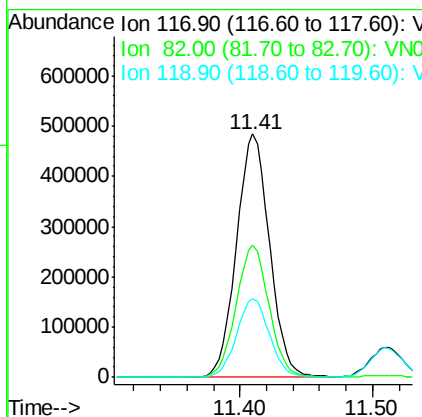
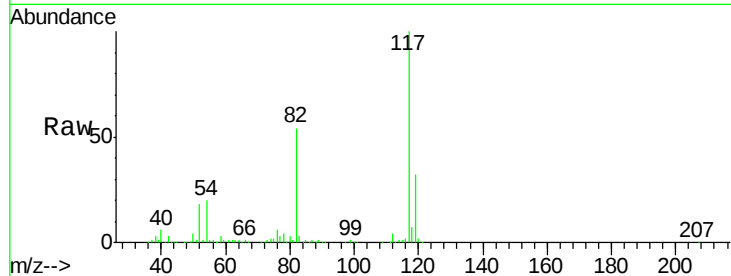




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN049851.D
Acq: 17 Jul 2018 17:26

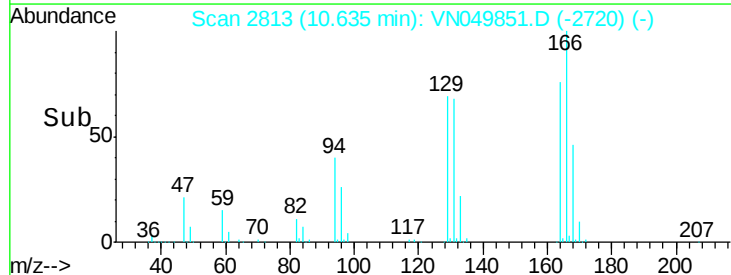
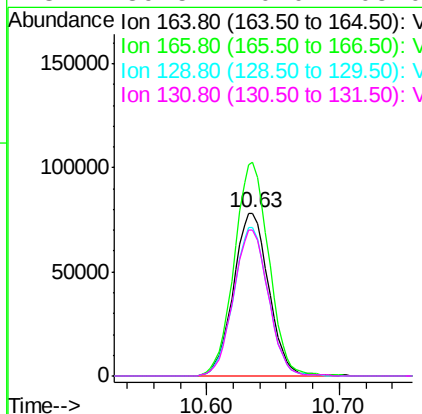
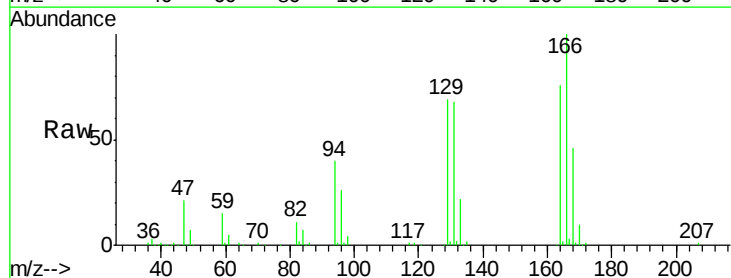
Instrument :
MSVOA_N
ClientSampleId :
VN0717WBSD01

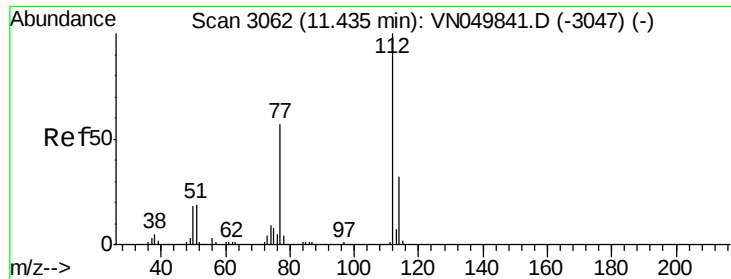
Tot Ion:117 Resp: 837863
Ion Ratio Lower Upper
117 100
82 54.3 41.9 62.9
119 32.5 25.4 38.2



#64
Tetrachloroethene
Concen: 20.27 ug/l
RT: 10.63 min Scan# 2813
Delta R.T. 0.00 min
Lab File: VN049851.D
Acq: 17 Jul 2018 17:26

Tgt Ion:164 Resp: 144457
Ion Ratio Lower Upper
164 100
166 131.1 101.8 152.6
129 90.9 72.8 109.2
131 89.5 70.0 105.0





#65

Chlorobenzene

Concen: 20.79 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN049851.D

Acq: 17 Jul 2018 17:26

Instrument :

MSVOA_N

ClientSampleId :

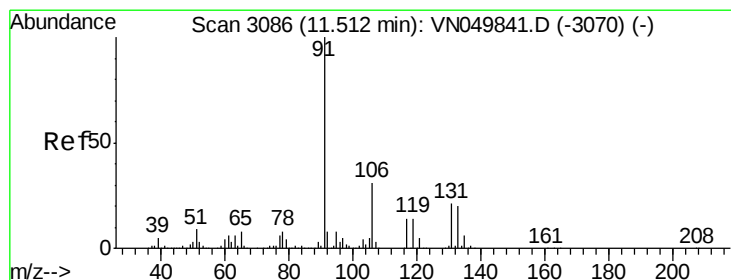
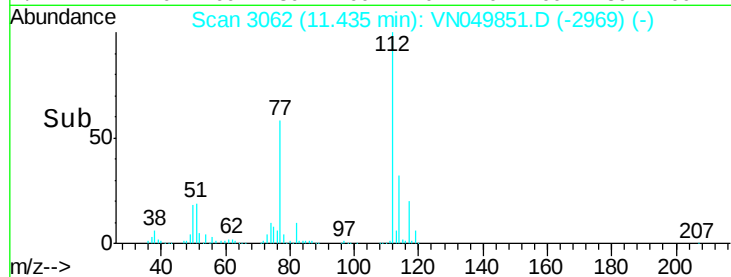
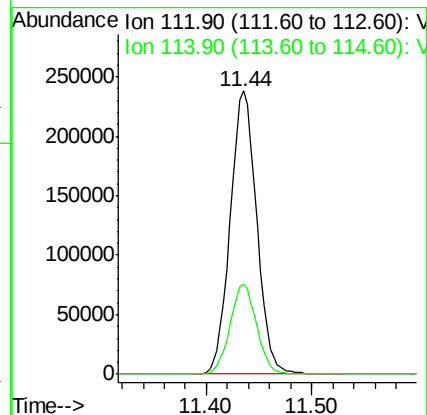
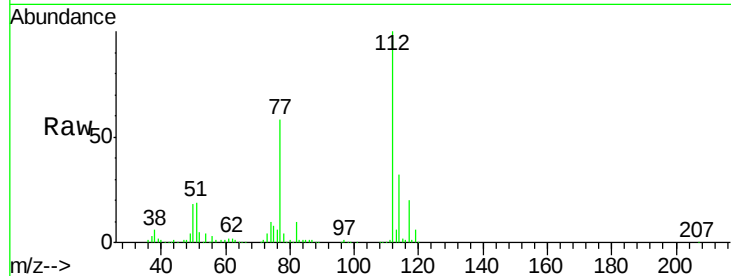
VN0717WBSD01

Tot Ion:112 Resp: 413097

Ion Ratio Lower Upper

112 100

114 31.7 25.4 38.0



#66

1,1,1,2-Tetrachloroethane

Concen: 20.58 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN049851.D

Acq: 17 Jul 2018 17:26

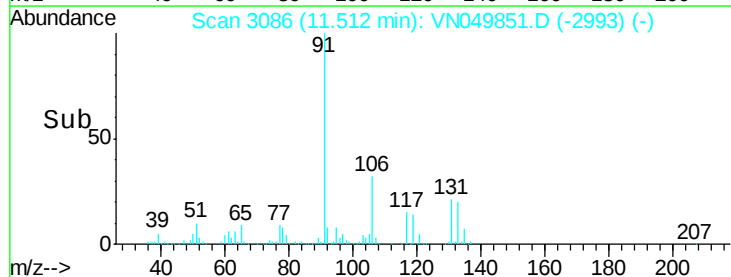
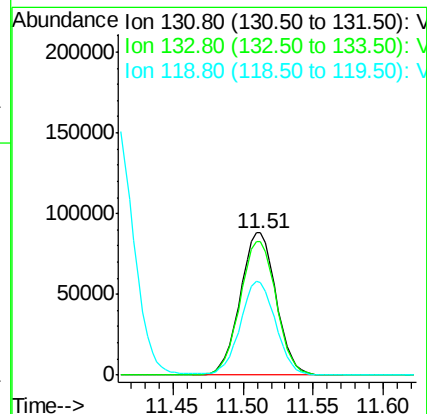
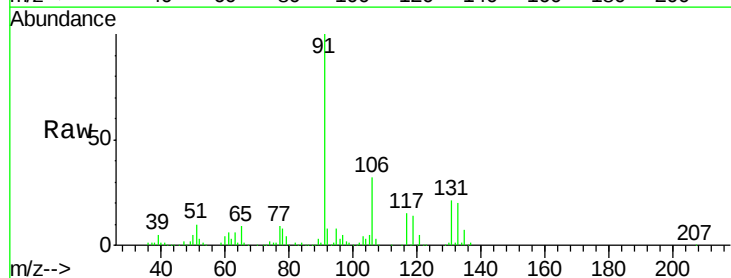
Tgt Ion:131 Resp: 156990

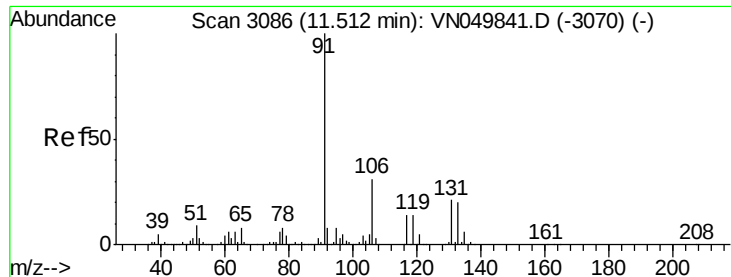
Ion Ratio Lower Upper

131 100

133 94.9 47.5 142.6

119 65.0 33.1 99.3





#67

Ethyl Benzene

Concen: 21.44 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN049851.D

Acq: 17 Jul 2018 17:26

Instrument :

MSVOA_N

ClientSampleId :

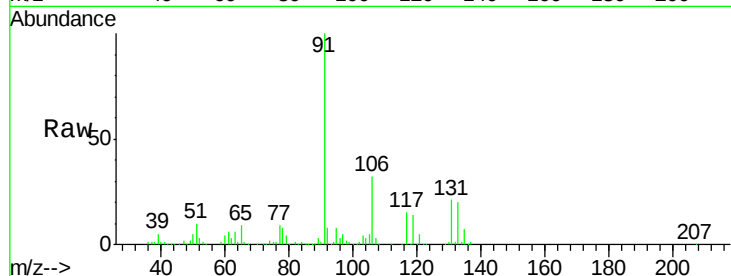
VN0717WBSD01

Tot Ion: 91 Resp: 684749

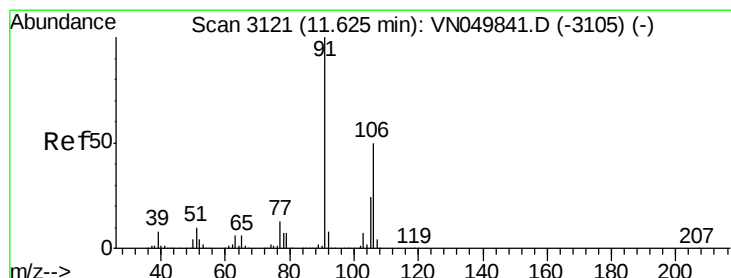
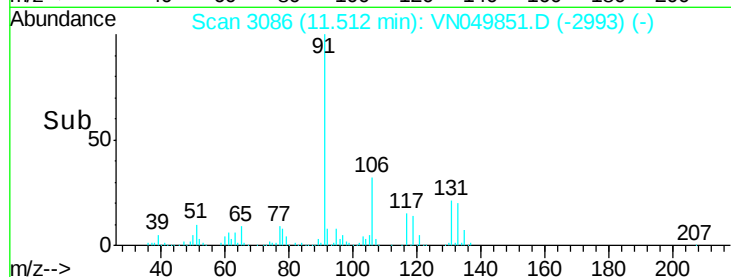
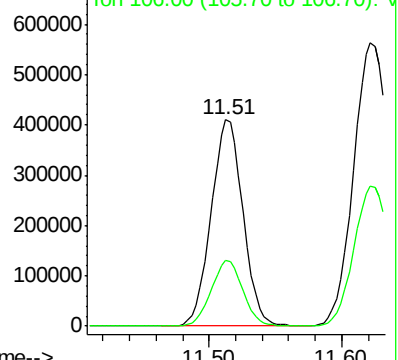
Ion Ratio Lower Upper

91 100

106 31.7 24.8 37.2



Abundance Ion 91.00 (90.70 to 91.70): VN049841.D (-3070) (-)



#68

m/p-Xylenes

Concen: 44.48 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. -0.00 min

Lab File: VN049851.D

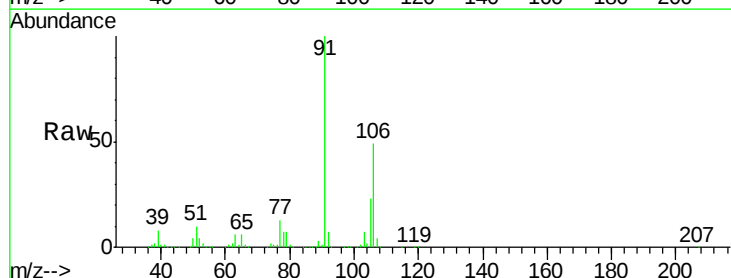
Acq: 17 Jul 2018 17:26

Tgt Ion: 106 Resp: 538923

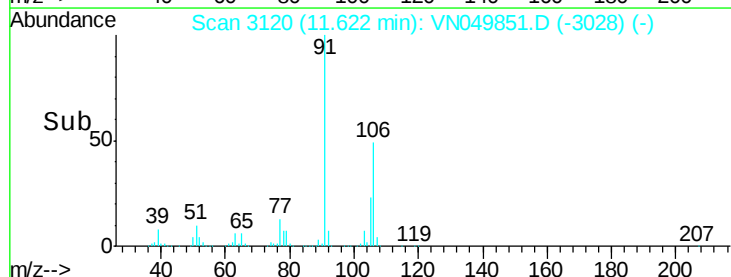
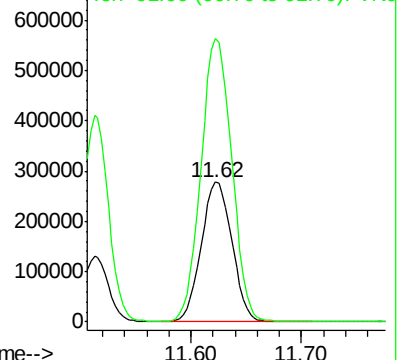
Ion Ratio Lower Upper

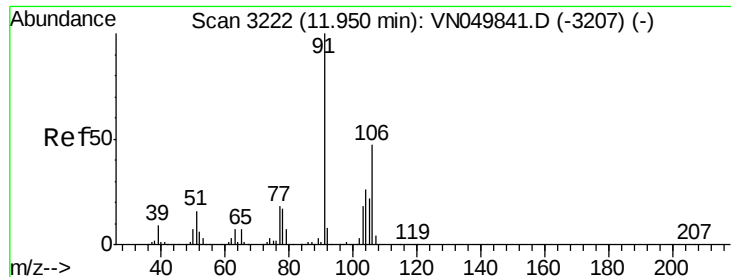
106 100

91 202.2 163.4 245.2



Abundance Ion 106.00 (105.70 to 106.70): VN049841.D (-3105) (-)

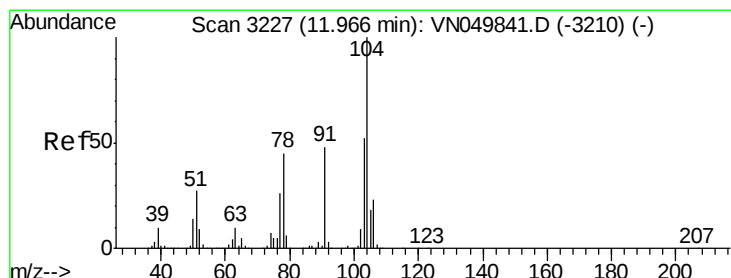
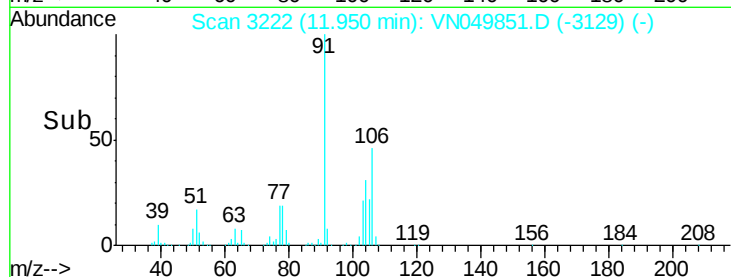
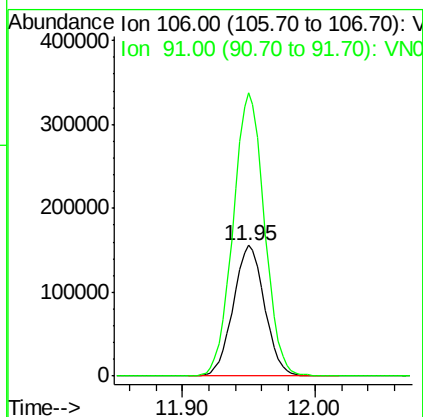
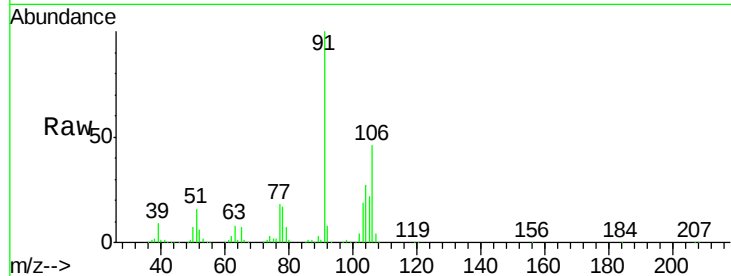




#69
o-Xylene
Concen: 22.16 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN049851.D
Acq: 17 Jul 2018 17:26

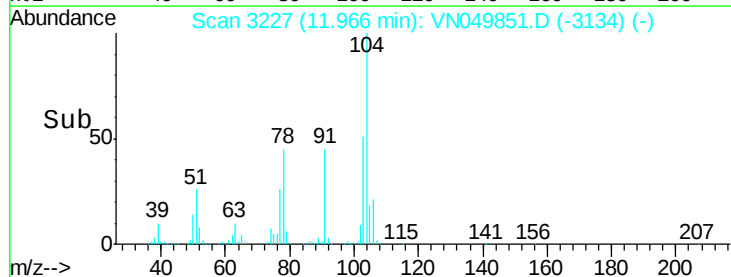
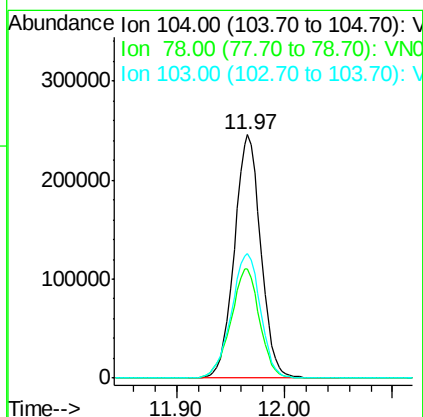
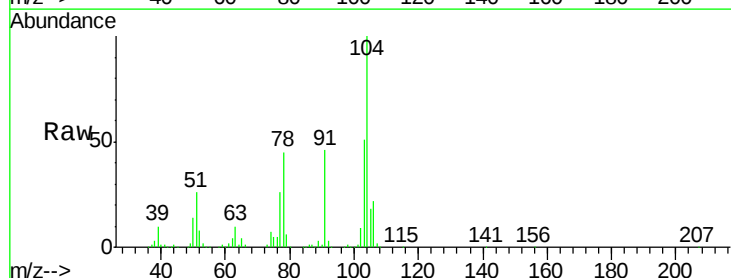
Instrument :
MSVOA_N
ClientSampleId :
VN0717WBSD01

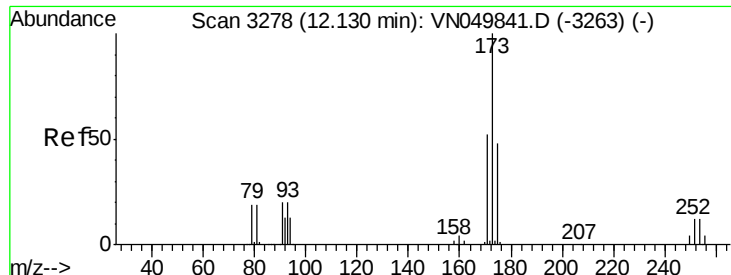
Tot Ion:106 Resp: 256033
Ion Ratio Lower Upper
106 100
91 215.9 108.7 326.1



#70
Styrene
Concen: 22.44 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN049851.D
Acq: 17 Jul 2018 17:26

Tgt Ion:104 Resp: 420144
Ion Ratio Lower Upper
104 100
78 48.9 39.2 58.8
103 56.5 44.6 67.0

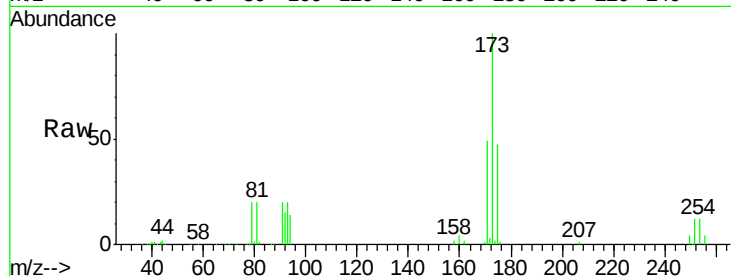




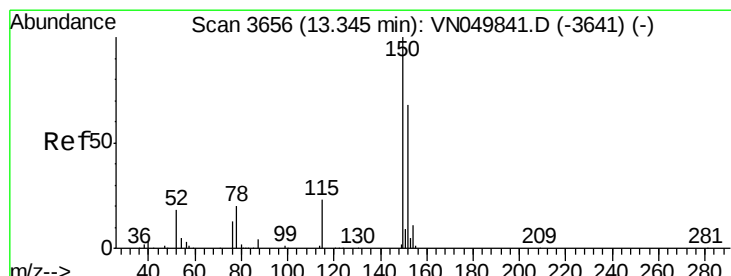
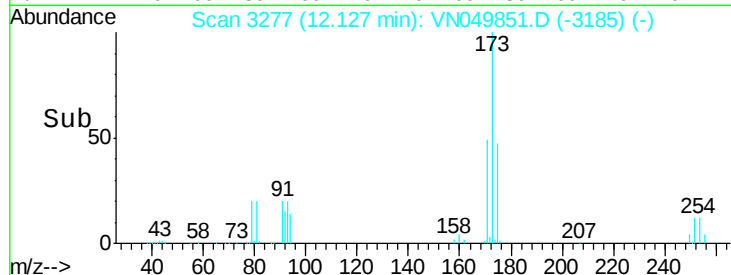
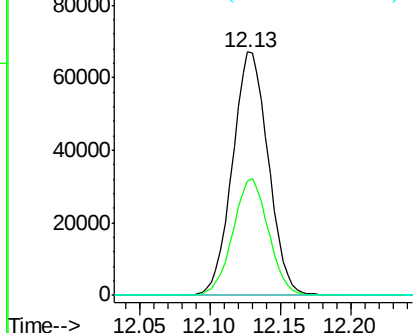
#71
Bromoform
Concen: 20.32 ug/l
RT: 12.13 min Scan# 3277
Delta R.T. -0.00 min
Lab File: VN049851.D
Acq: 17 Jul 2018 17:26

Instrument :
MSVOA_N
ClientSampleId :
VN0717WBSD01

Tot Ion:173 Resp: 119365
Ion Ratio Lower Upper
173 100
175 47.4 24.6 73.8
254 0.0 0.2 0.2#

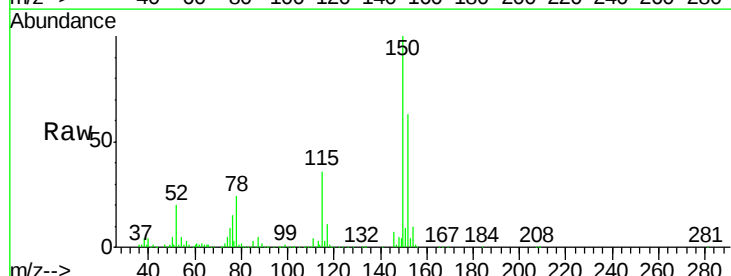


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

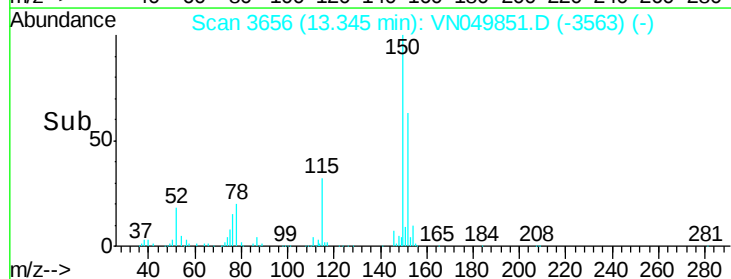
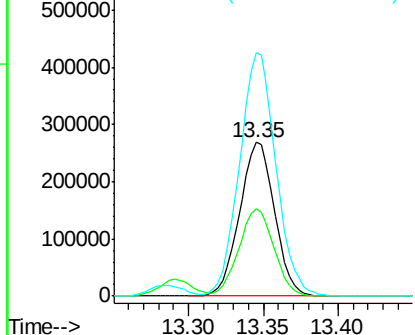


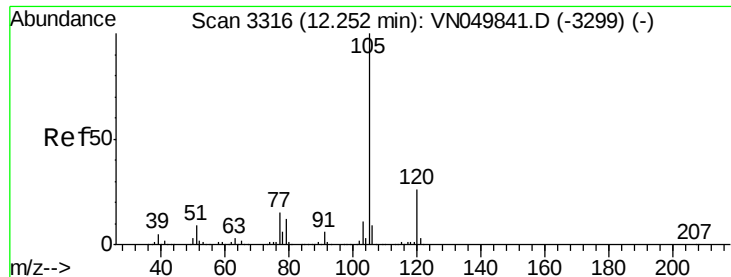
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. 0.00 min
Lab File: VN049851.D
Acq: 17 Jul 2018 17:26

Tgt Ion:152 Resp: 436160
Ion Ratio Lower Upper
152 100
115 57.2 28.1 84.2
150 165.2 0.0 347.6



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: 21.86 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN049851.D

Acq: 17 Jul 2018 17:26

Instrument :

MSVOA_N

ClientSampleId :

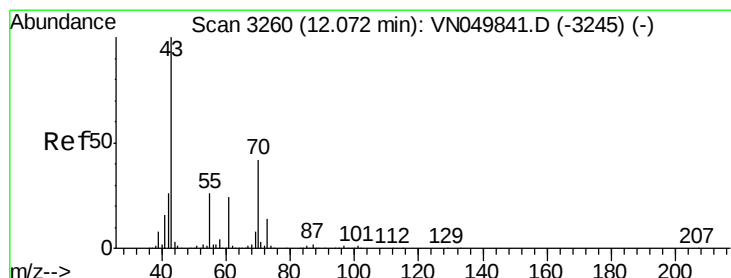
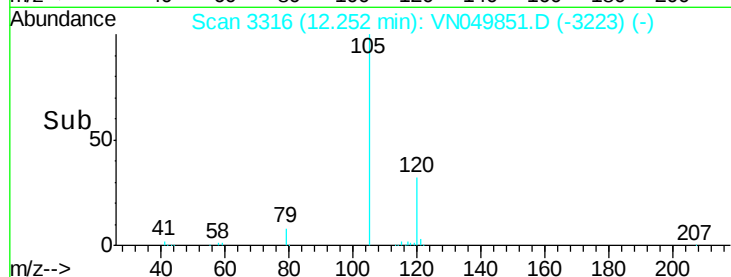
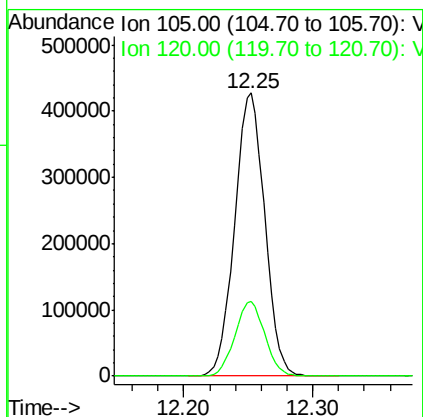
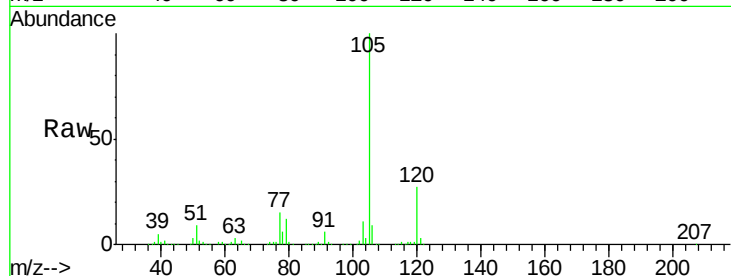
VN0717WBSD01

Tot Ion:105 Resp: 690495

Ion Ratio Lower Upper

105 100

120 26.3 13.3 39.8



#74

N-ethyl acetate

Concen: 21.59 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN049851.D

Acq: 17 Jul 2018 17:26

Tgt Ion: 43 Resp: 225325

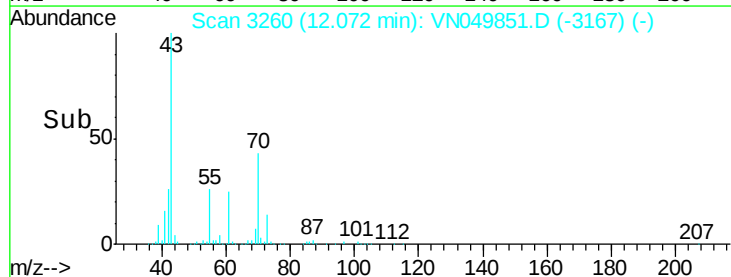
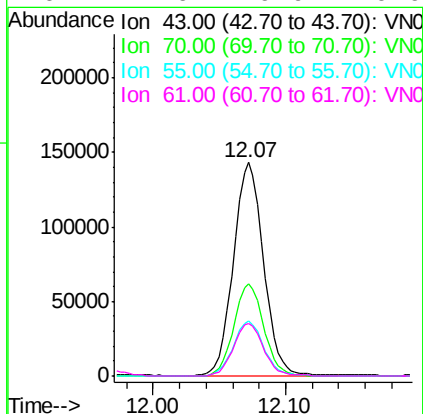
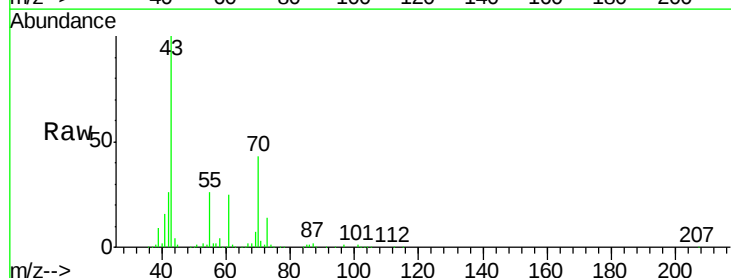
Ion Ratio Lower Upper

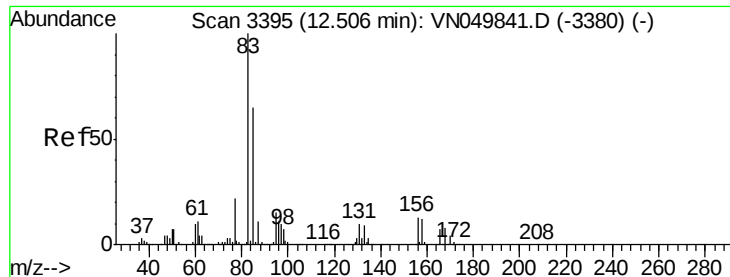
43 100

70 42.9 34.8 52.2

55 26.2 20.9 31.3

61 24.6 19.9 29.9





#75

1,1,2,2-Tetrachloroethane

Concen: 20.02 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN049851.D

Acq: 17 Jul 2018 17:26

Instrument :

MSVOA_N

ClientSampleId :

VN0717WBSD01

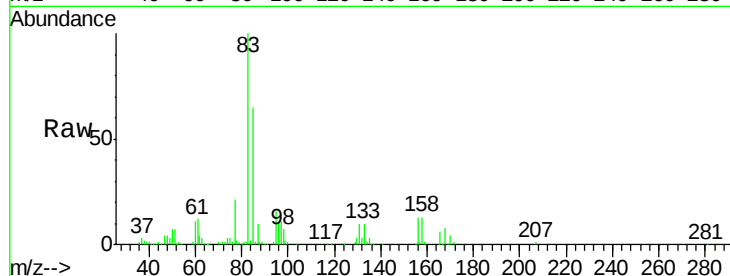
Tot Ion: 83 Resp: 202773

Ion Ratio Lower Upper

83 100

131 10.6 5.2 15.6

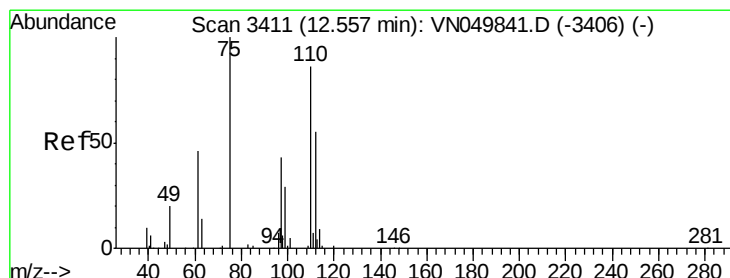
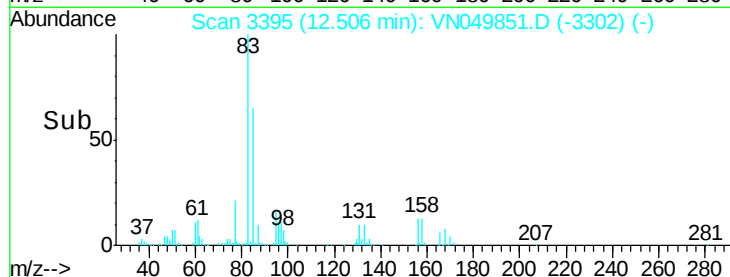
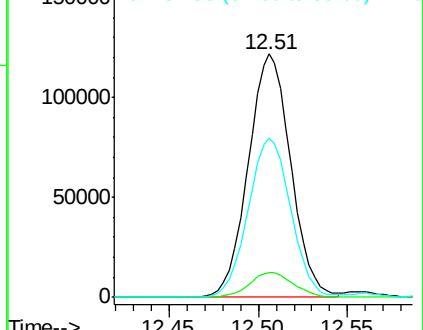
85 65.5 32.5 97.4



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 28.87 ug/l

RT: 12.56 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN049851.D

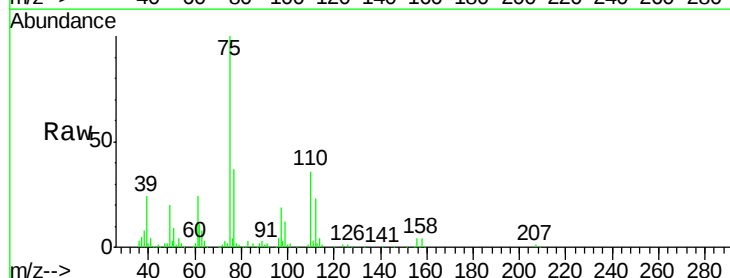
Acq: 17 Jul 2018 17:26

Tgt Ion: 75 Resp: 246396

Ion Ratio Lower Upper

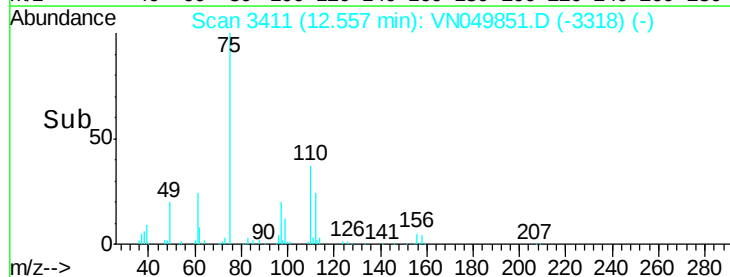
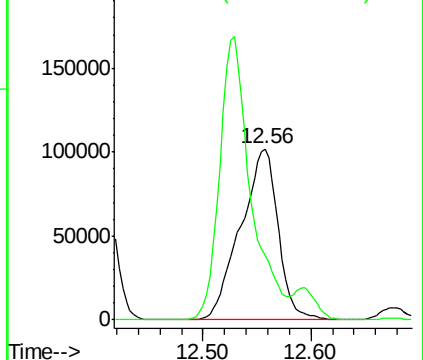
75 100

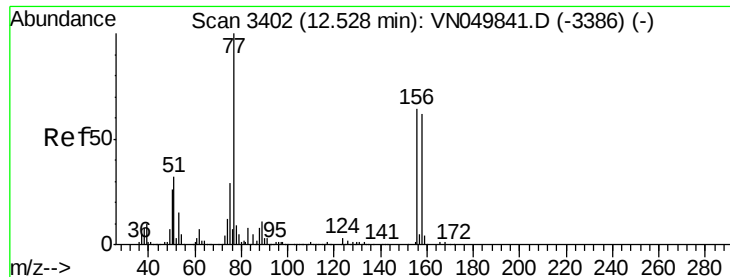
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 21.07 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN049851.D

Acq: 17 Jul 2018 17:26

Instrument :

MSVOA_N

ClientSampleId :

VN0717WBSD01

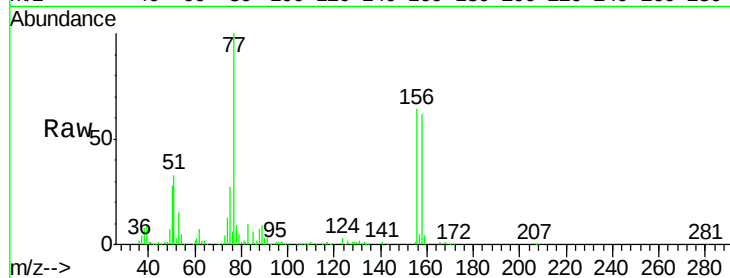
Tot Ion:156 Resp: 182454

Ion Ratio Lower Upper

156 100

77 186.5 90.2 270.6

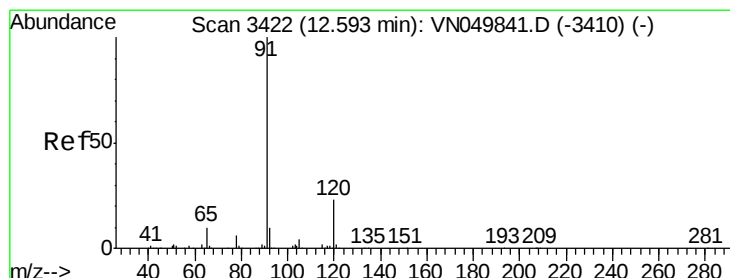
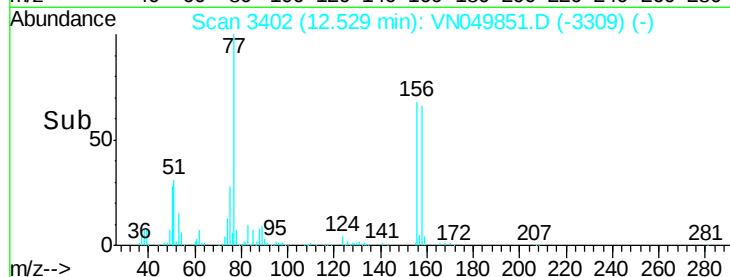
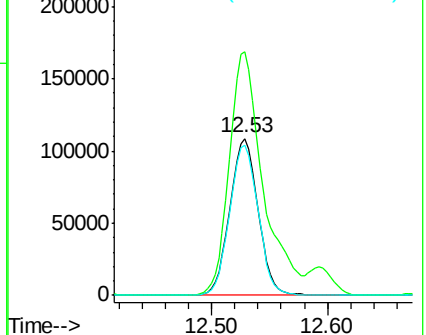
158 96.6 49.1 147.3



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: 21.98 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN049851.D

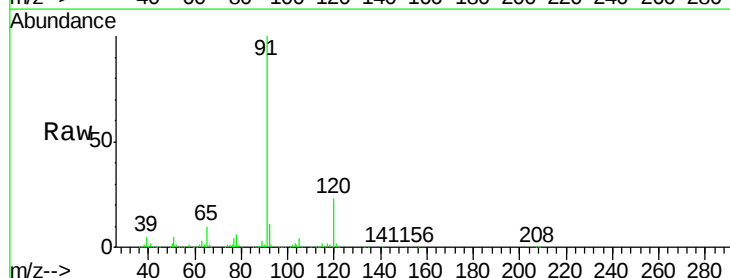
Acq: 17 Jul 2018 17:26

Tgt Ion: 91 Resp: 781085

Ion Ratio Lower Upper

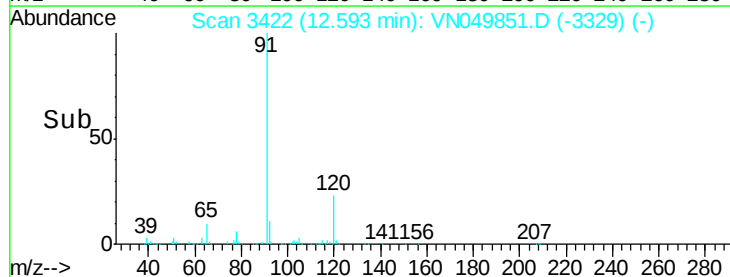
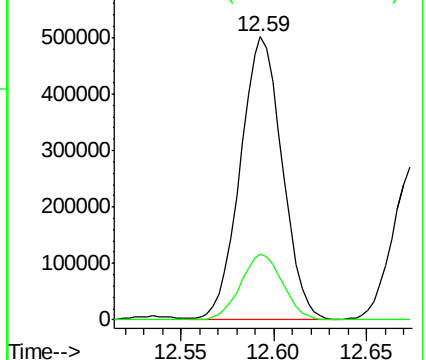
91 100

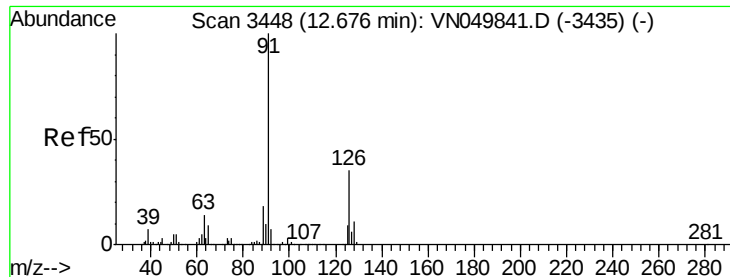
120 23.4 11.5 34.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.76 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN049851.D

Acq: 17 Jul 2018 17:26

Instrument :

MSVOA_N

ClientSampled :

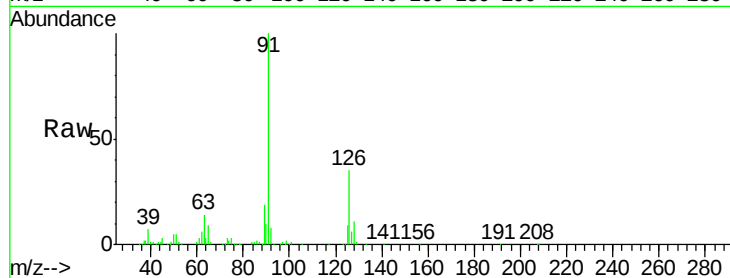
VN0717WBSD01

Tot Ion: 91 Resp: 477486

Ion Ratio Lower Upper

91 100

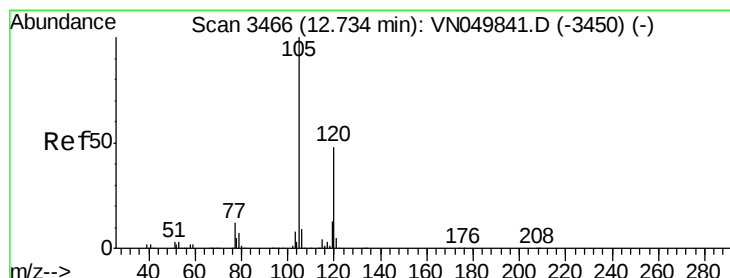
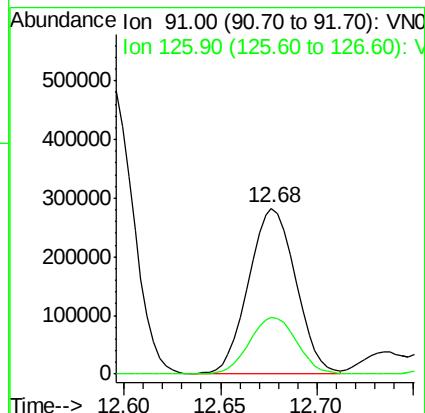
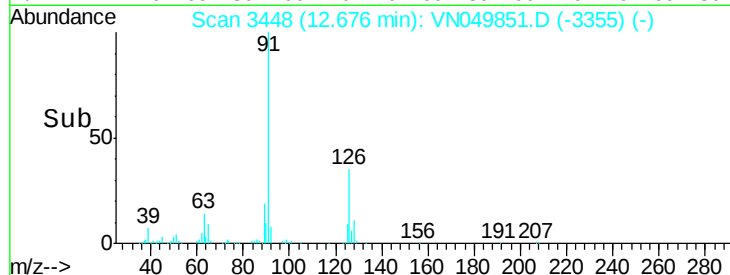
126 34.9 17.5 52.5



Abundance Ion 91.00 (90.70 to 91.70): VN049841.D (-3435) (-)

Ion 125.90 (125.60 to 126.60): VN049841.D (-3435) (-)

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 23.15 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN049851.D

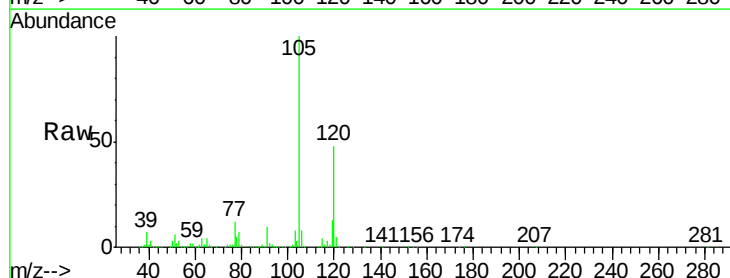
Acq: 17 Jul 2018 17:26

Tgt Ion: 105 Resp: 573017

Ion Ratio Lower Upper

105 100

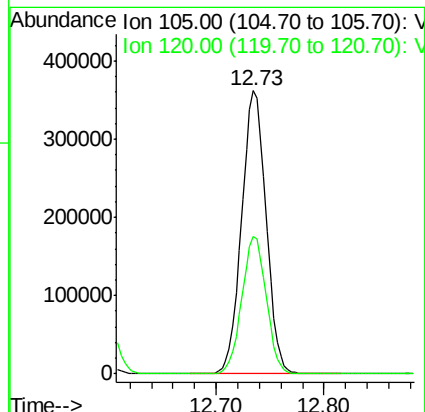
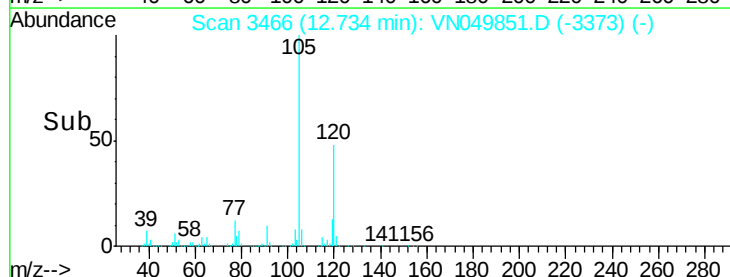
120 48.3 24.3 72.8

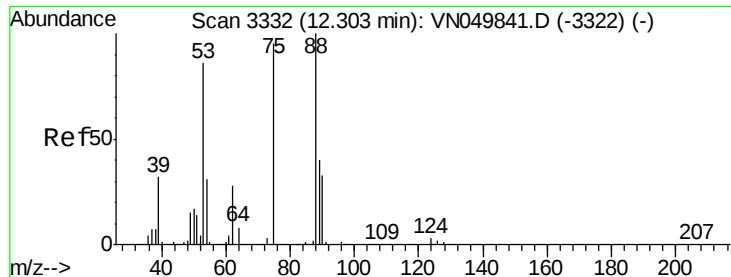


Abundance Ion 105.00 (104.70 to 105.70): VN049841.D (-3450) (-)

Ion 120.00 (119.70 to 120.70): VN049841.D (-3450) (-)

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 20.85 ug/l

RT: 12.30 min Scan# 3331

Delta R.T. -0.00 min

Lab File: VN049851.D

Acq: 17 Jul 2018 17:26

Instrument :

MSVOA_N

ClientSampleId :

VN0717WBSD01

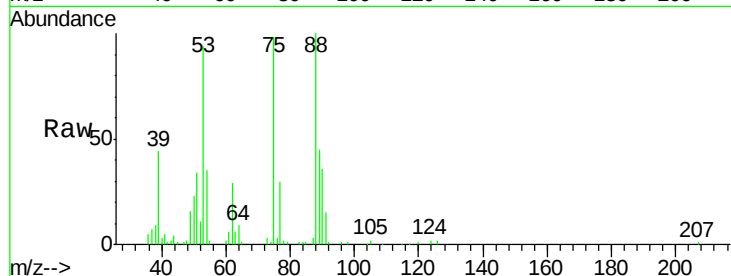
Tot Ion: 75 Resp: 54361

Ion Ratio Lower Upper

75 100

53 98.1 73.9 110.9

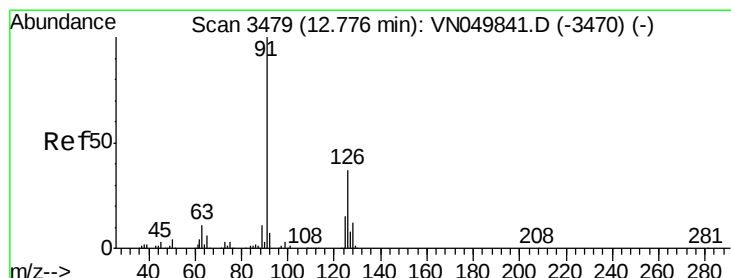
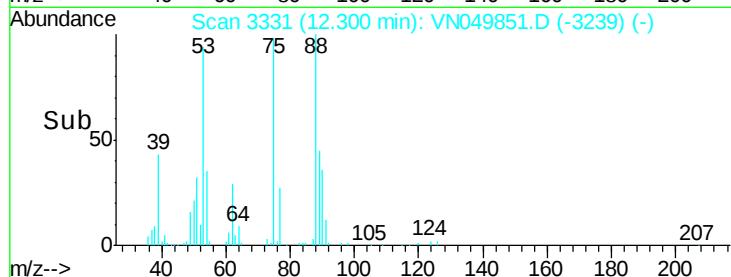
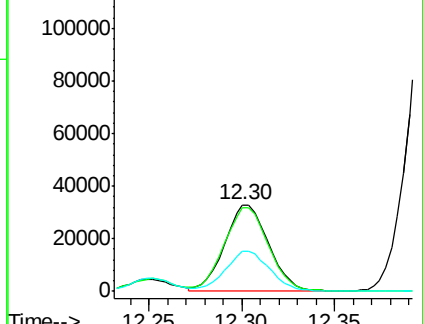
89 46.6 35.9 53.9



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 21.90 ug/l

RT: 12.78 min Scan# 3479

Delta R.T. 0.00 min

Lab File: VN049851.D

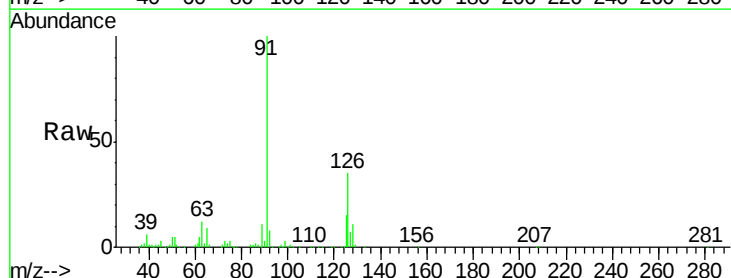
Acq: 17 Jul 2018 17:26

Tgt Ion: 91 Resp: 474679

Ion Ratio Lower Upper

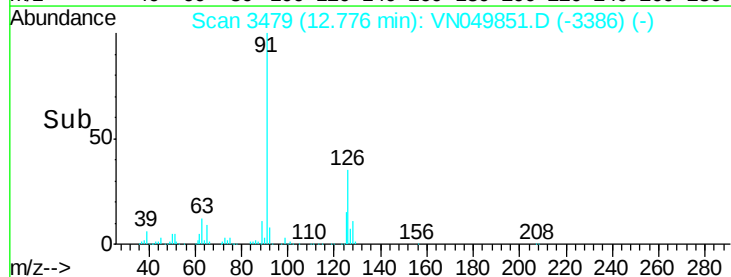
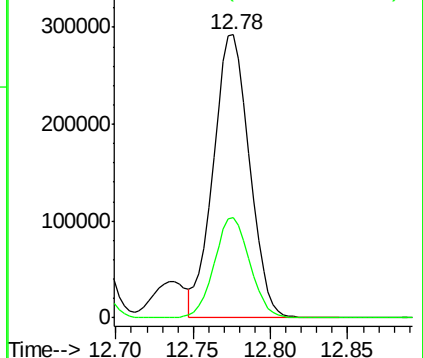
91 100

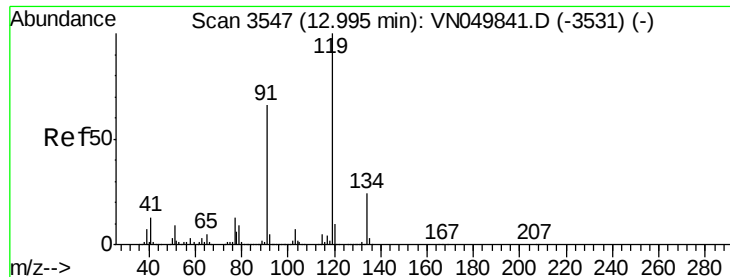
126 34.8 17.2 51.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

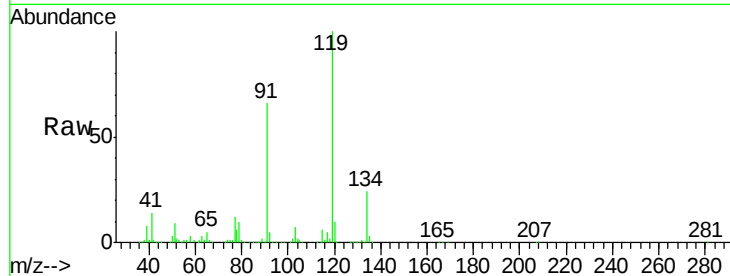




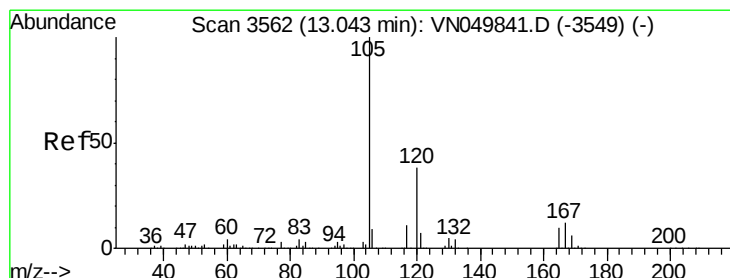
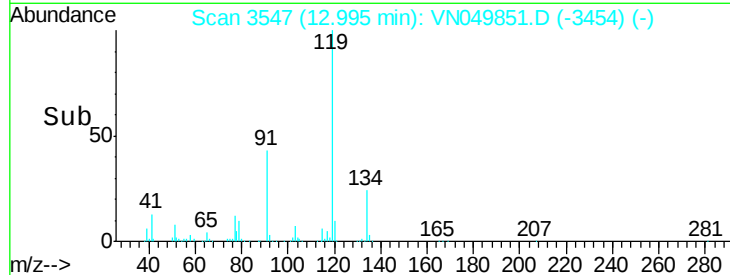
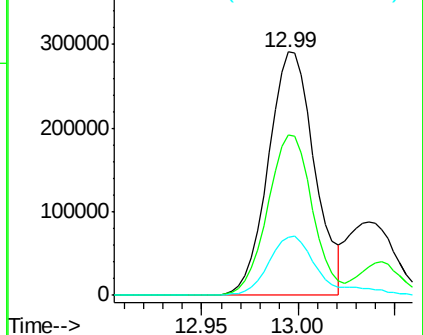
#83
 tert-Butylbenzene
 Concen: 22.33 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN049851.D
 Acq: 17 Jul 2018 17:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0717WBSD01

Tot Ion:119 Resp: 484515
 Ion Ratio Lower Upper
 119 100
 91 64.2 32.0 96.2
 134 26.5 12.8 38.4

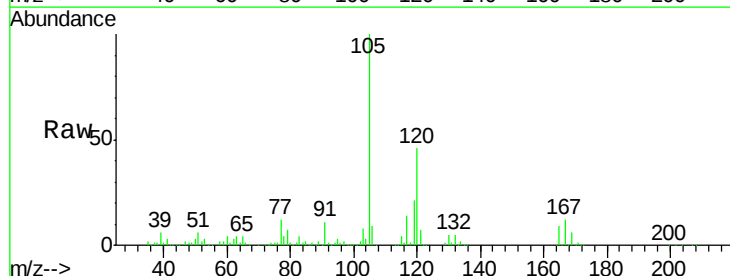


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

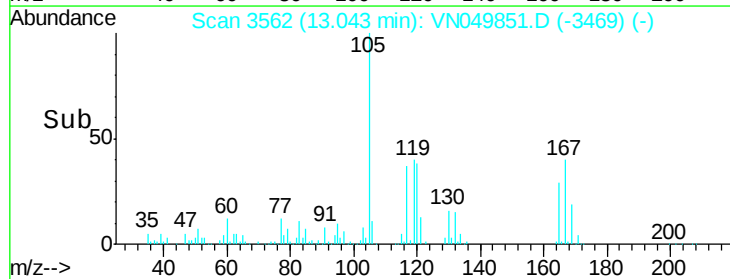
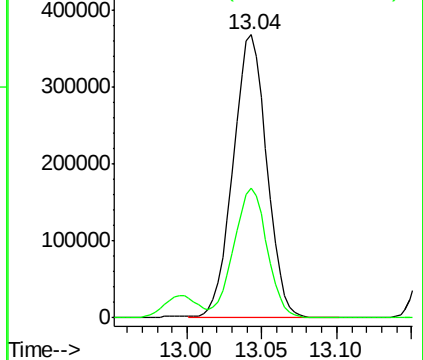


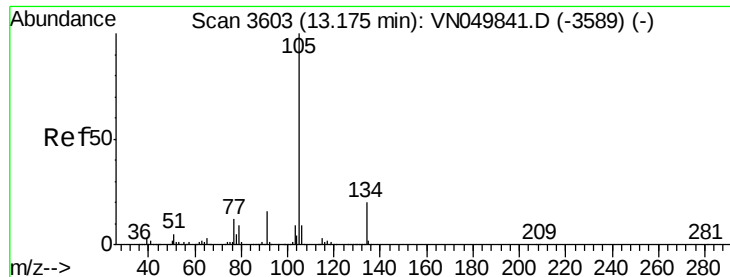
#84
 1,2,4-Trimethylbenzene
 Concen: 22.88 ug/l
 RT: 13.04 min Scan# 3562
 Delta R.T. 0.00 min
 Lab File: VN049851.D
 Acq: 17 Jul 2018 17:26

Tgt Ion:105 Resp: 577472
 Ion Ratio Lower Upper
 105 100
 120 45.4 22.7 68.1



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





#85

sec-Butylbenzene

Concen: 22.41 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN049851.D

Acq: 17 Jul 2018 17:26

Instrument :

MSVOA_N

ClientSampleId :

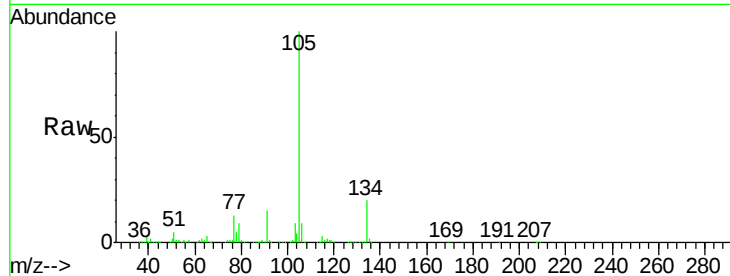
VN0717WBSD01

Tot Ion:105 Resp: 653931

Ion Ratio Lower Upper

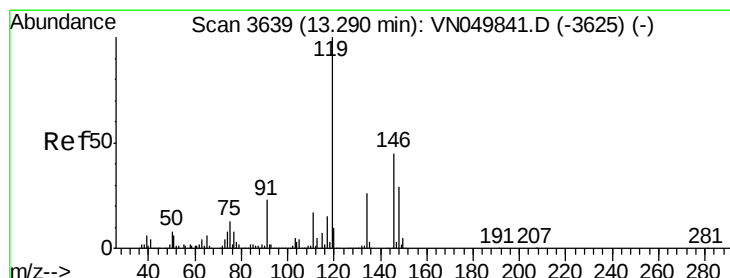
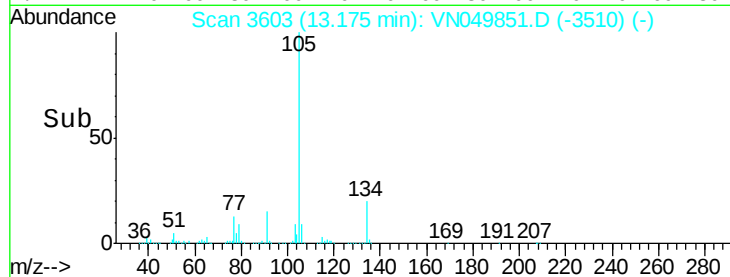
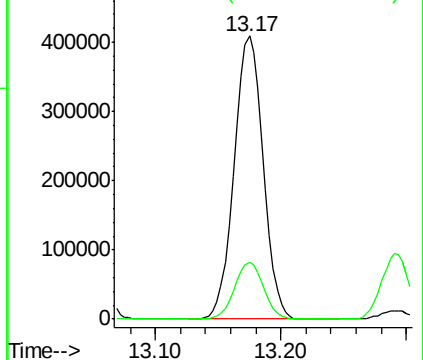
105 100

134 20.1 10.1 30.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 22.66 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN049851.D

Acq: 17 Jul 2018 17:26

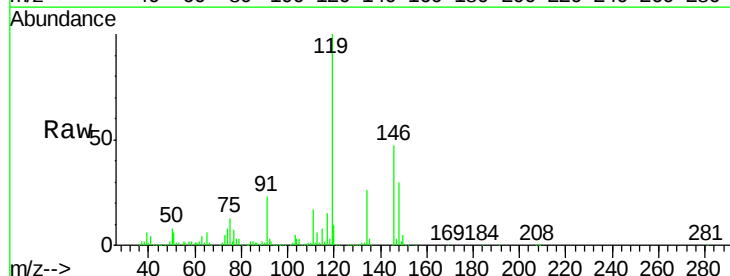
Tgt Ion:119 Resp: 559253

Ion Ratio Lower Upper

119 100

134 26.1 13.3 39.9

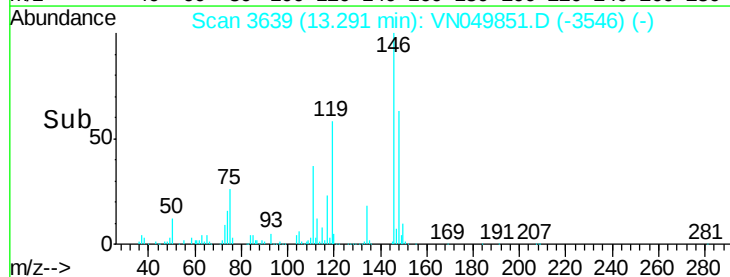
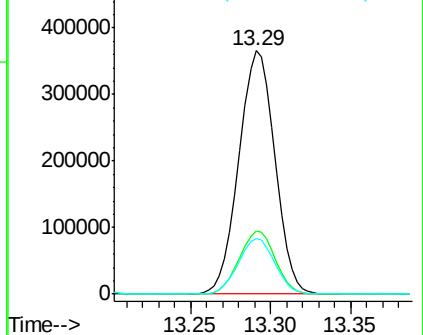
91 23.2 11.4 34.1

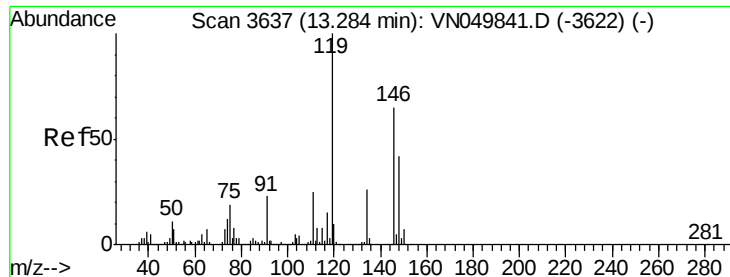


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 21.38 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. 0.00 min

Lab File: VN049851.D

Acq: 17 Jul 2018 17:26

Instrument :

MSVOA_N

ClientSampleId :

VN0717WBSD01

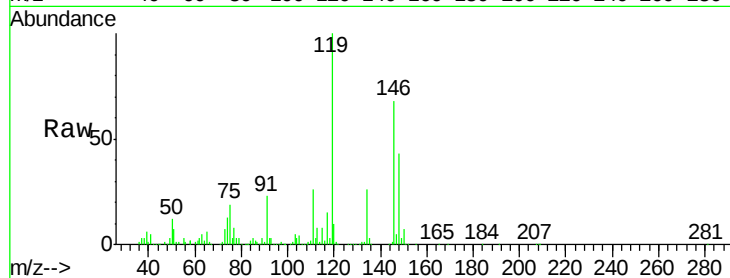
Tot Ion:146 Resp: 318225

Ion Ratio Lower Upper

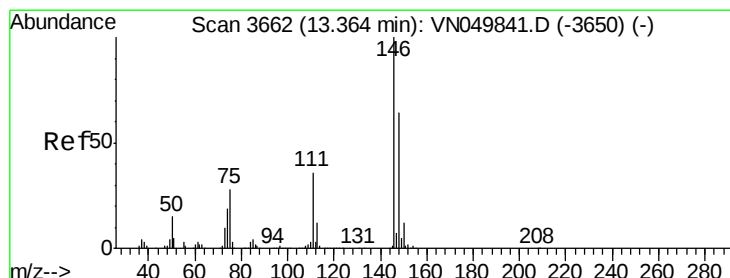
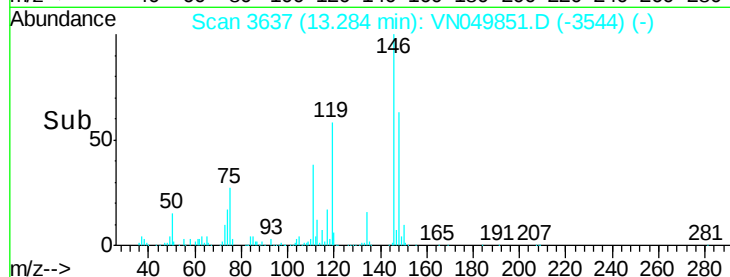
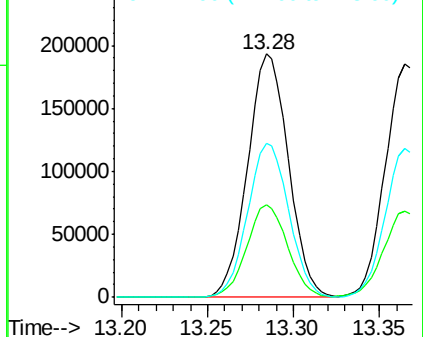
146 100

111 38.0 19.0 57.0

148 63.6 32.5 97.5



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



#88

1,4-Dichlorobenzene

Concen: 21.17 ug/l

RT: 13.36 min Scan# 3662

Delta R.T. 0.00 min

Lab File: VN049851.D

Acq: 17 Jul 2018 17:26

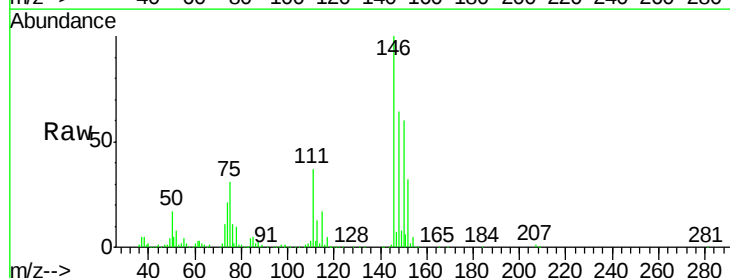
Tgt Ion:146 Resp: 309499

Ion Ratio Lower Upper

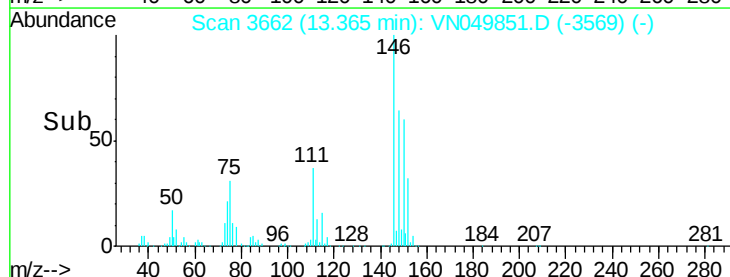
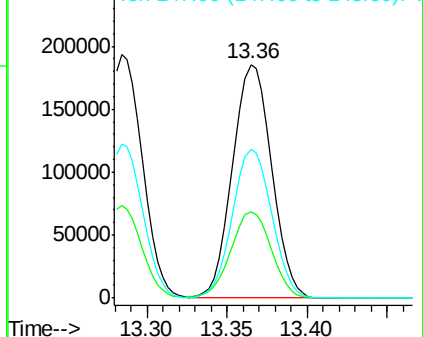
146 100

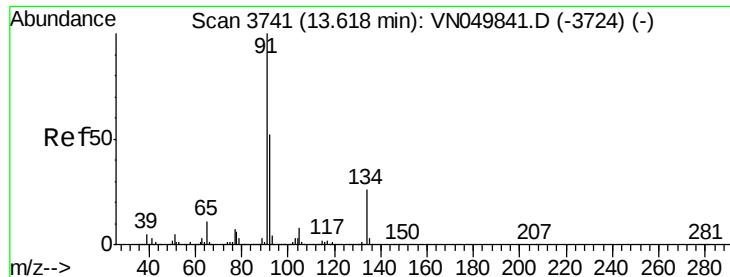
111 38.4 18.9 56.5

148 64.1 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

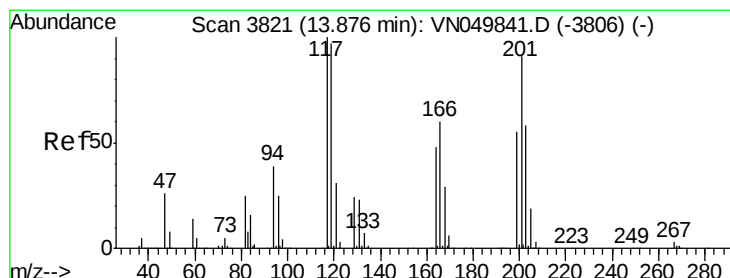
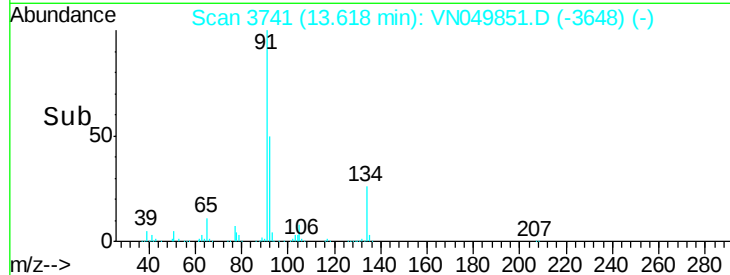
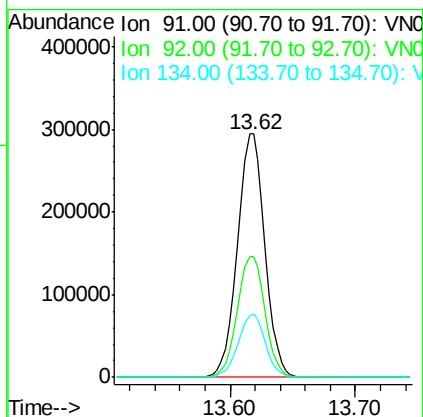
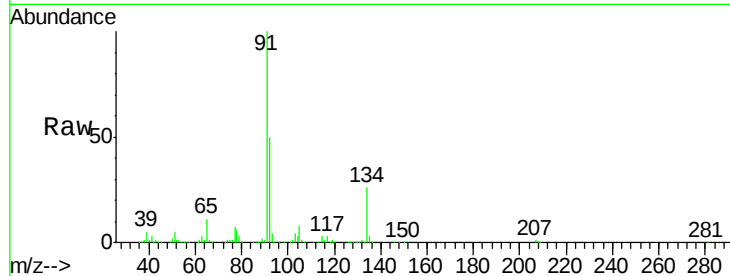




#89
n-Butylbenzene
Concen: 21.98 ug/l
RT: 13.62 min Scan# 3741
Delta R.T. 0.00 min
Lab File: VN049851.D
Acq: 17 Jul 2018 17:26

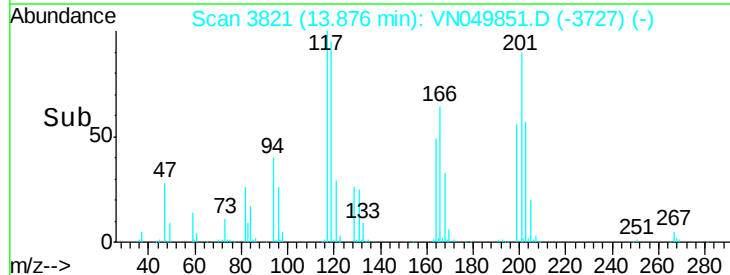
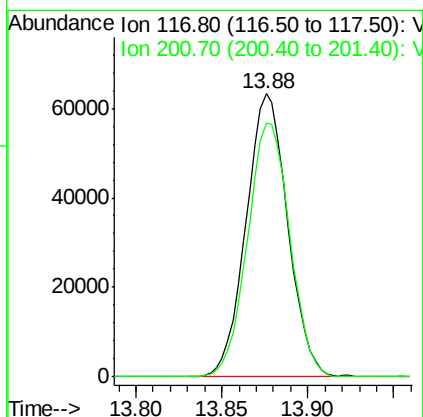
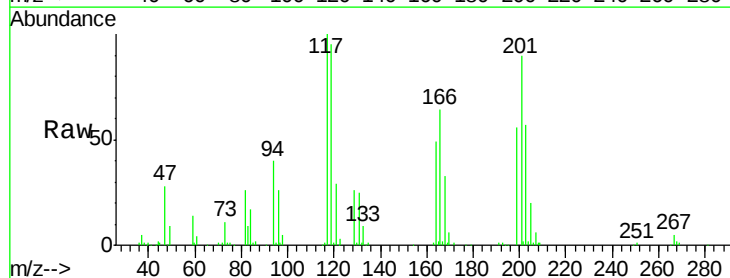
Instrument :
MSVOA_N
ClientSampleId :
VN0717WBSD01

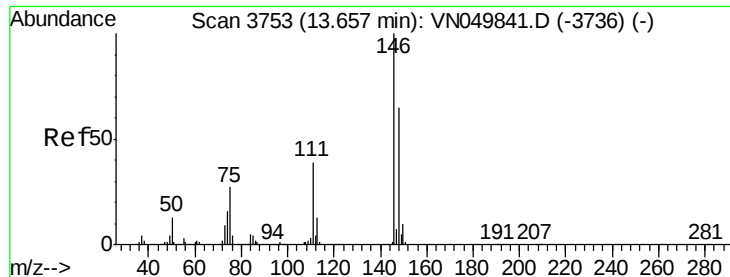
Tot Ion: 91 Resp: 444795
Ion Ratio Lower Upper
91 100
92 50.4 25.8 77.3
134 25.8 13.0 38.9



#90
Hexachloroethane
Concen: 21.10 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN049851.D
Acq: 17 Jul 2018 17:26

Tgt Ion: 117 Resp: 106063
Ion Ratio Lower Upper
117 100
201 91.2 45.3 135.8

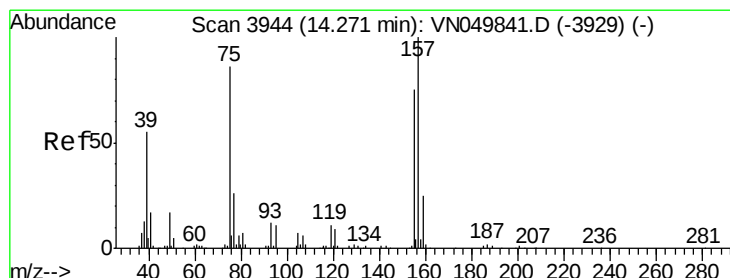
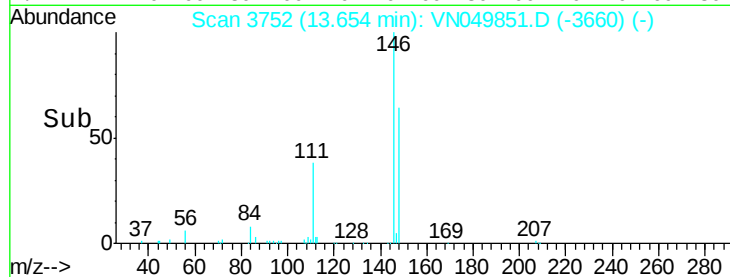
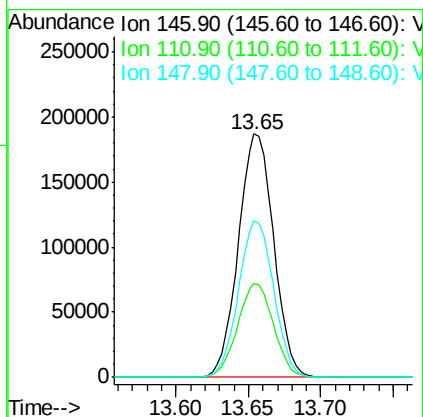
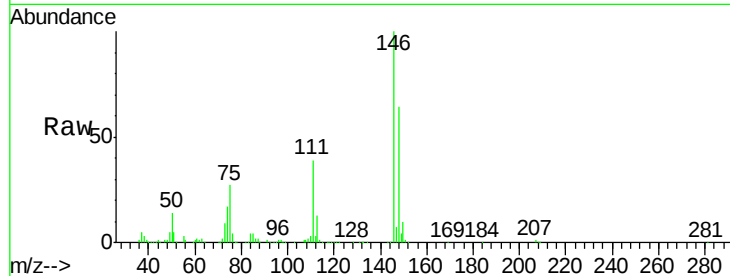




#91
 1,2-Dichlorobenzene
 Concen: 20.95 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. -0.00 min
 Lab File: VN049851.D
 Acq: 17 Jul 2018 17:26

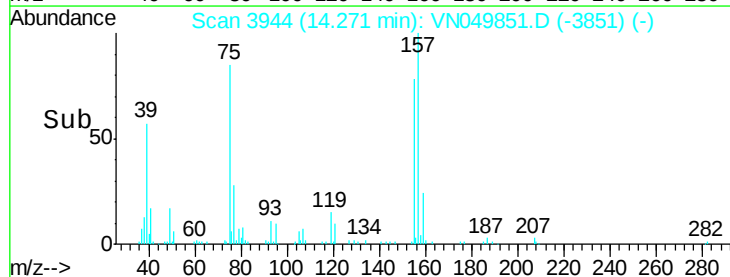
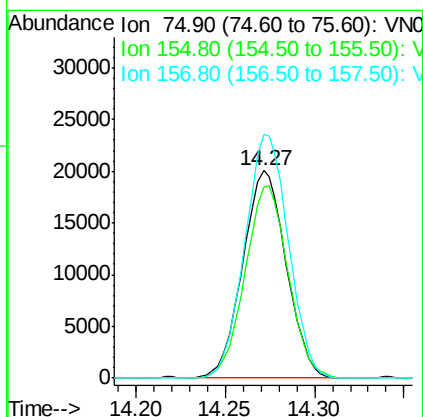
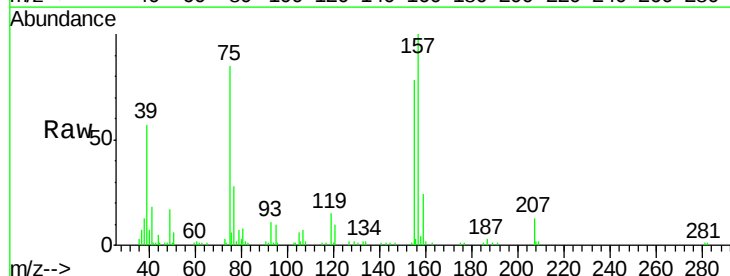
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0717WBSD01

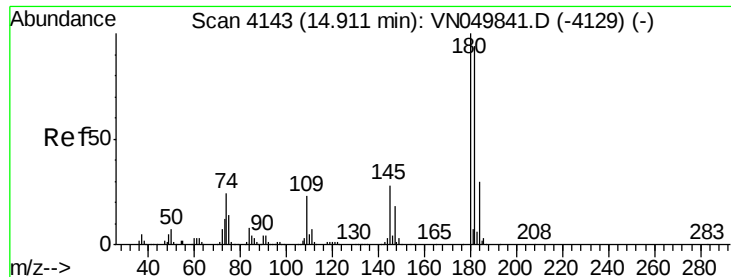
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.7	59.1
148	64.1	32.0	96.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.66 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN049851.D
 Acq: 17 Jul 2018 17:26

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.4	45.7	137.1
157	117.4	56.9	170.7

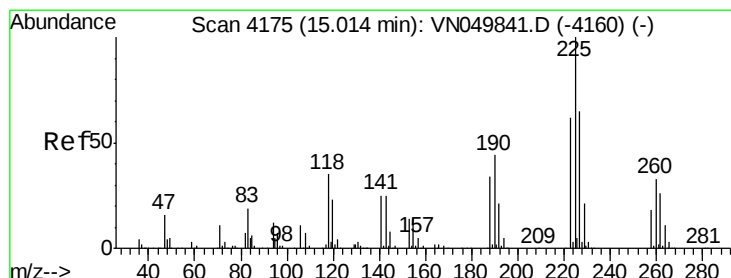
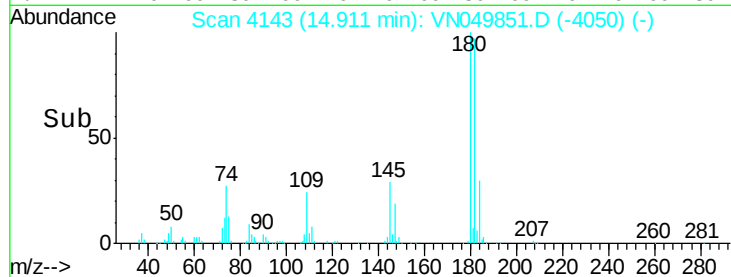
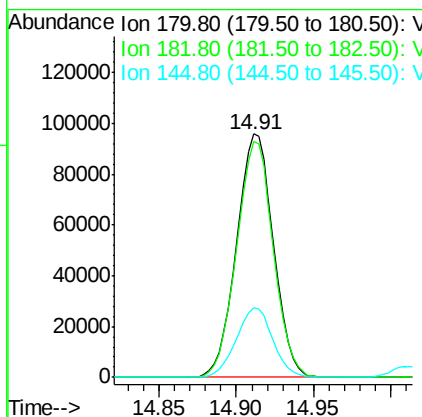
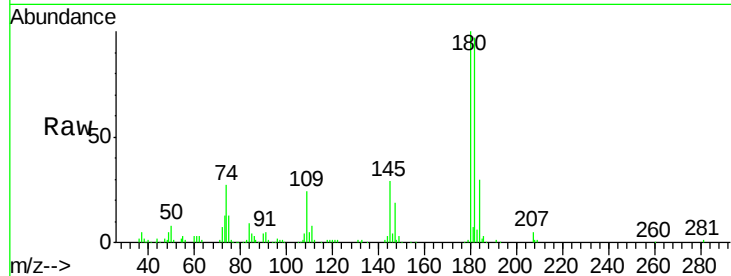




#93
 1,2,4-Trichlorobenzene
 Concen: 23.50 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN049851.D
 Acq: 17 Jul 2018 17:26

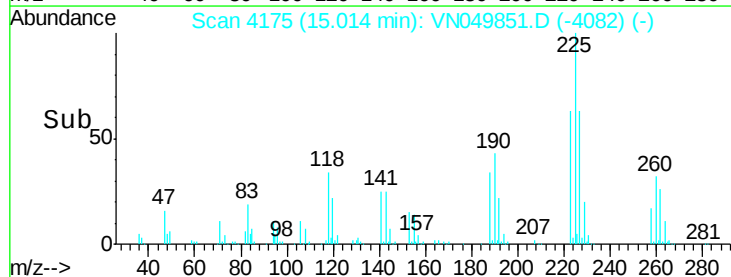
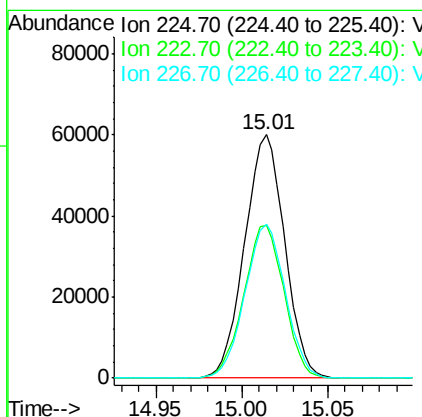
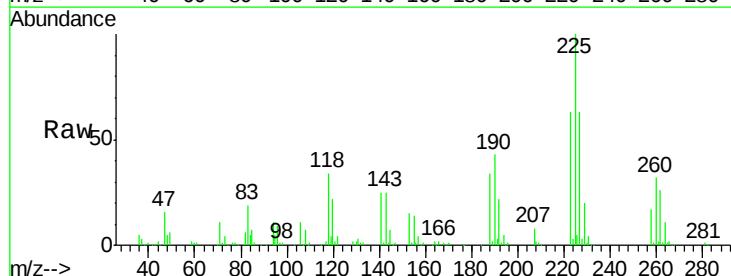
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0717WBSD01

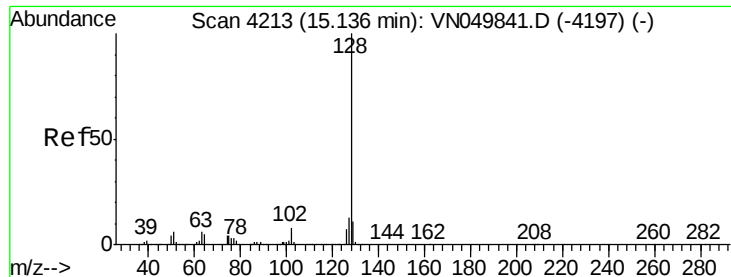
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.5	47.3	141.9
145	28.4	14.4	43.0



#94
 Hexachlorobutadiene
 Concen: 20.51 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN049851.D
 Acq: 17 Jul 2018 17:26

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.9	30.9	92.7
227	63.5	31.8	95.4





#95

Naphthalene

Concen: 23.10 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN049851.D

Acq: 17 Jul 2018 17:26

Instrument :

MSVOA_N

ClientSampleId :

VN0717WBSD01

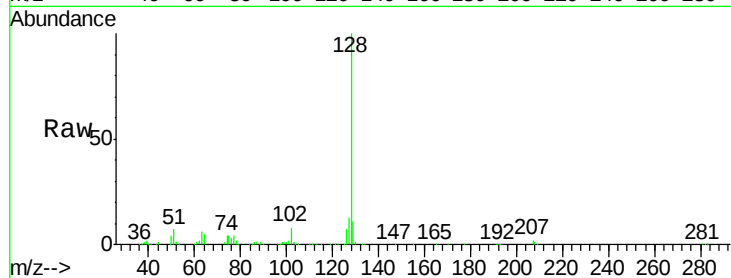
Tot Ion:128 Resp: 400505

Ion Ratio Lower Upper

128 100

127 13.0 10.4 15.6

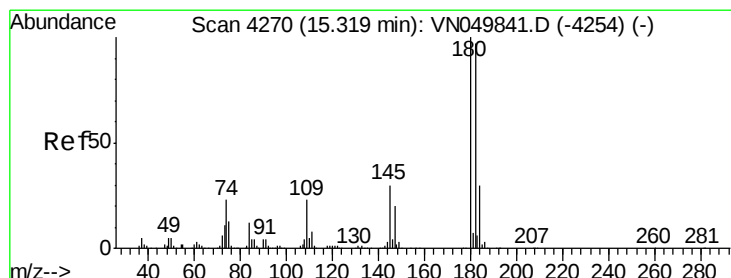
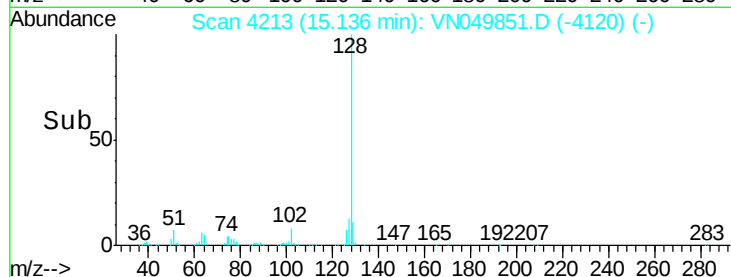
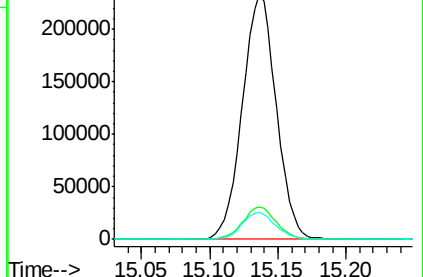
129 10.8 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 23.55 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. -0.00 min

Lab File: VN049851.D

Acq: 17 Jul 2018 17:26

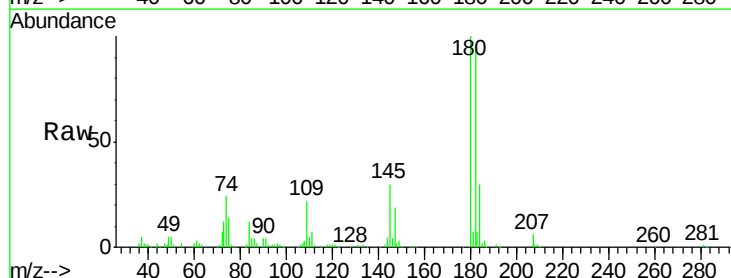
Tgt Ion:180 Resp: 167804

Ion Ratio Lower Upper

180 100

182 94.6 47.4 142.2

145 30.2 15.2 45.6



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

