

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071718\
 Data File : VN049850.D
 Acq On : 17 Jul 2018 17:00
 Operator : MD\SY
 Sample : VN0717WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0717WBS01

Quant Time: Jul 18 03:34:55 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	641719	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	950286	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	869332	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	450123	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	452464	52.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.28%	
35) Dibromofluoromethane	7.59	113	398033	52.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.62%	
50) Toluene-d8	10.09	98	1458350	52.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.40%	
62) 4-Bromofluorobenzene	12.40	95	492774	53.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	117245	20.22	ug/l	98
3) Chloromethane	2.06	50	159332	20.71	ug/l	99
4) Vinyl Chloride	2.18	62	175785	19.15	ug/l	99
5) Bromomethane	2.56	94	114444	23.06	ug/l	97
6) Chloroethane	2.70	64	109135	20.28	ug/l	99
7) Trichlorofluoromethane	3.01	101	232498	20.62	ug/l	99
8) Diethyl Ether	3.41	74	90220	20.46	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	143334	21.32	ug/l	100
10) Methyl Iodide	3.95	142	191015	20.61	ug/l	99
11) Tert butyl alcohol	4.81	59	75607	110.77	ug/l	99
12) 1,1-Dichloroethene	3.73	96	132320	19.77	ug/l	98
13) Acrolein	3.61	56	61909	118.34	ug/l	99
14) Allyl chloride	4.32	41	215413	20.27	ug/l	99
15) Acrylonitrile	4.99	53	301281	104.92	ug/l	99
16) Acetone	3.82	43	233595	115.51	ug/l	99
17) Carbon Disulfide	4.04	76	375289	20.29	ug/l	99
18) Methyl Acetate	4.33	43	162321	22.34	ug/l	97
19) Methyl tert-butyl Ether	5.05	73	406655	21.75	ug/l	99
20) Methylene Chloride	4.55	84	155060	21.02	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	141516	20.00	ug/l	99
22) Diisopropyl ether	5.96	45	461632	21.73	ug/l	99
23) Vinyl Acetate	5.90	43	1665274	106.56	ug/l	100
24) 1,1-Dichloroethane	5.85	63	272300	20.00	ug/l	99
25) 2-Butanone	6.85	43	365848	103.40	ug/l	99
26) 2,2-Dichloropropane	6.83	77	215852	20.82	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	160352	20.21	ug/l	99
28) Bromochloromethane	7.20	49	129549	20.49	ug/l	98
29) Tetrahydrofuran	7.22	42	242249	107.68	ug/l	100
30) Chloroform	7.37	83	277619	19.75	ug/l	98
31) Cyclohexane	7.65	56	227972	20.90	ug/l	93
32) 1,1,1-Trichloroethane	7.57	97	236663	19.82	ug/l	99
36) 1,1-Dichloropropene	7.79	75	204092	20.30	ug/l	100
37) Ethyl Acetate	6.94	43	161214	21.50	ug/l	99
38) Carbon Tetrachloride	7.77	117	209545	19.78	ug/l	99

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 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)
39) Methylcyclohexane	9.08	83	208727	20.16	ug/l	98
40) Benzene	8.04	78	622318	20.42	ug/l	99
41) Methacrylonitrile	7.18	41	84765	22.01	ug/l	97
42) 1,2-Dichloroethane	8.13	62	204523	19.73	ug/l	100
43) Isopropyl Acetate	8.17	43	279230	21.88	ug/l	98
44) Trichloroethene	8.84	130	161534	20.15	ug/l	99
45) 1,2-Dichloropropane	9.12	63	165037	20.33	ug/l	99
46) Dibromomethane	9.21	93	105443	20.35	ug/l	97
47) Bromodichloromethane	9.40	83	213277	20.26	ug/l	98
48) Methyl methacrylate	9.20	41	134253	21.22	ug/l	98
49) 1,4-Dioxane	9.20	88	42948	447.83	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	814125	108.48	ug/l	99
52) Toluene	10.16	92	381322	20.88	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	215633	20.98	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	241051	20.89	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	149744	19.98	ug/l	99
56) Ethyl methacrylate	10.43	69	200123	22.04	ug/l	99
57) 1,3-Dichloropropane	10.71	76	249741	20.57	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	473352	110.46	ug/l	100
59) 2-Hexanone	10.75	43	558282	108.50	ug/l	99
60) Dibromochloromethane	10.90	129	165631	19.85	ug/l	98
61) 1,2-Dibromoethane	11.01	107	148158	20.17	ug/l	97
64) Tetrachloroethene	10.63	164	147441	19.94	ug/l	97
65) Chlorobenzene	11.44	112	414049	20.09	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	156837	19.82	ug/l	99
67) Ethyl Benzene	11.51	91	702463	21.20	ug/l	100
68) m/p-Xylenes	11.62	106	544722	43.33	ug/l	98
69) o-Xylene	11.95	106	260875	21.76	ug/l	97
70) Styrene	11.97	104	428441	22.05	ug/l	100
71) Bromoform	12.13	173	118941	19.52	ug/l #	100
73) Isopropylbenzene	12.25	105	694215	21.30	ug/l	100
74) N-amyl acetate	12.07	43	229179	21.28	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	205496	19.66	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	248029	28.16	ug/l #	100
77) Bromobenzene	12.53	156	187312	20.96	ug/l	97
78) n-propylbenzene	12.59	91	791366	21.58	ug/l	99
79) 2-Chlorotoluene	12.68	91	482685	21.32	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	567912	22.23	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	56060	20.83	ug/l	97
82) 4-Chlorotoluene	12.77	91	481177	21.51	ug/l	99
83) tert-Butylbenzene	12.99	119	491473	21.95	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	581183	22.31	ug/l	100
85) sec-Butylbenzene	13.17	105	654722	21.74	ug/l	100
86) p-Isopropyltoluene	13.29	119	564943	22.18	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	316880	20.63	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	310947	20.61	ug/l	99
89) n-Butylbenzene	13.62	91	451909	21.64	ug/l	99
90) Hexachloroethane	13.88	117	108861	20.97	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	318226	20.38	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	34124	21.78	ug/l	97

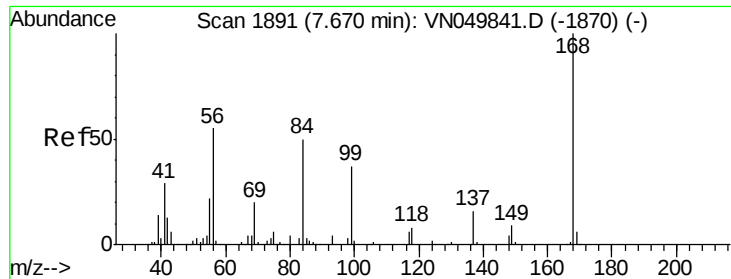
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071718\
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QLast Update : Tue Jul 17 13:20:18 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	161044	23.16	ug/l	98
94) Hexachlorobutadiene	15.01	225	98405	20.17	ug/l	98
95) Naphthalene	15.14	128	404214	22.65	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	167825	22.82	ug/l	99

(#) = 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: VN049850.D

Acq: 17 Jul 2018 17:00

Instrument :

MSVOA_N

ClientSampleId :

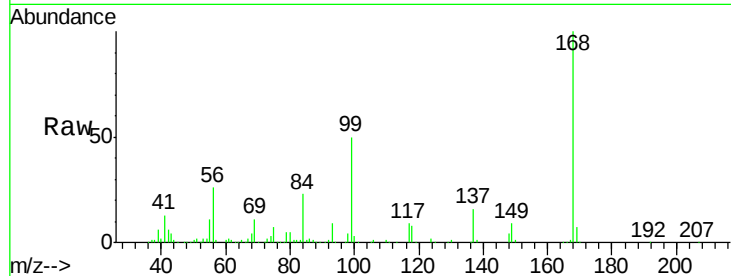
VN0717WBS01

Tot Ion:168 Resp: 641719

Ion Ratio Lower Upper

168 100

99 49.9 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

250000

200000

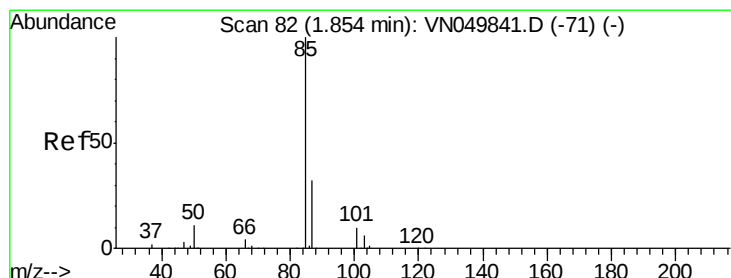
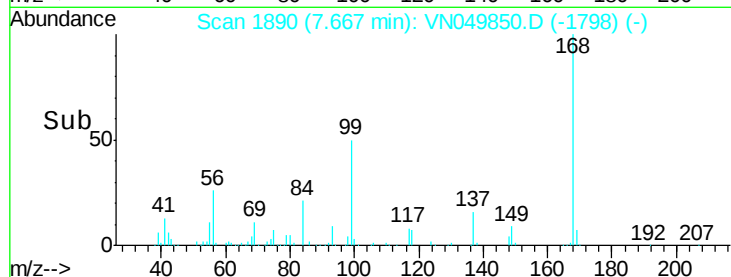
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 20.22 ug/l

RT: 1.85 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN049850.D

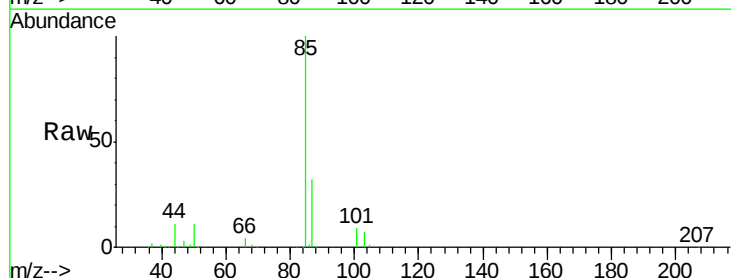
Acq: 17 Jul 2018 17:00

Tgt Ion: 85 Resp: 117245

Ion Ratio Lower Upper

85 100

87 32.0 15.4 46.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

80000

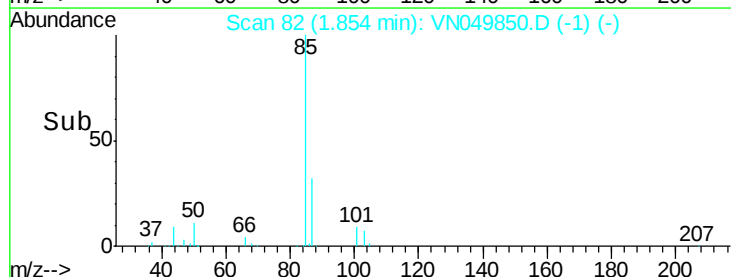
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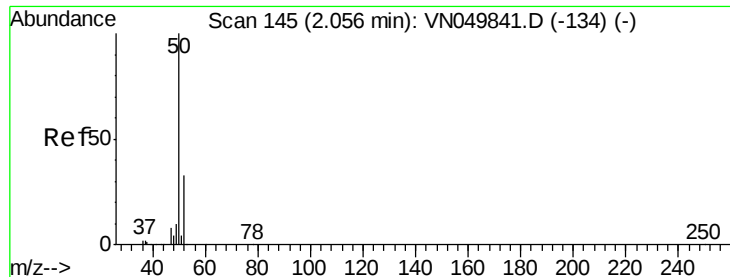
40000

20000

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Time-->





#3

Chloromethane

Concen: 20.71 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN049850.D

Acq: 17 Jul 2018 17:00

Instrument :

MSVOA_N

ClientSampleId :

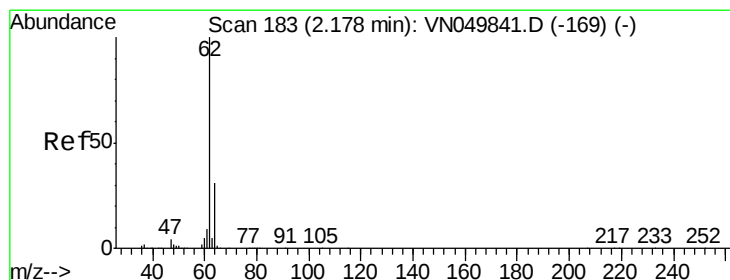
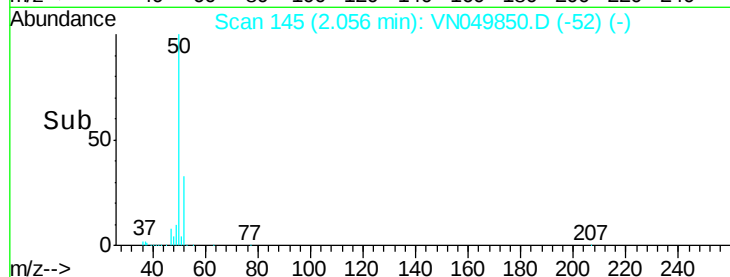
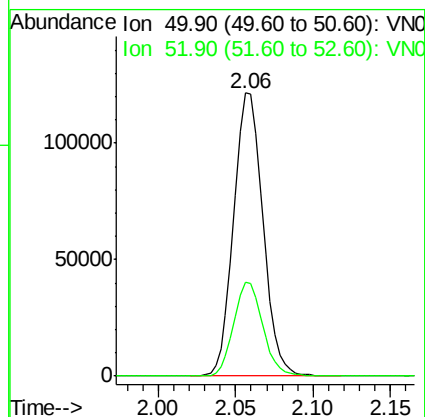
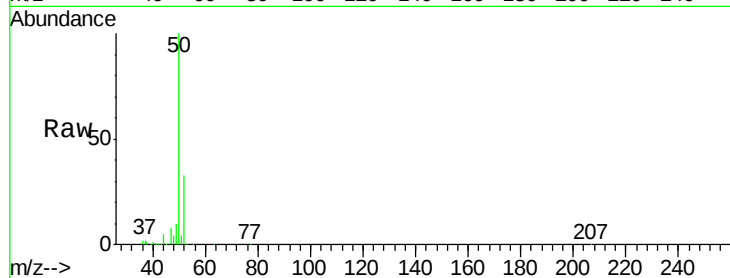
VN0717WBS01

Tot Ion: 50 Resp: 159332

Ion Ratio Lower Upper

50 100

52 33.1 26.1 39.1



#4

Vinyl Chloride

Concen: 19.15 ug/l

RT: 2.18 min Scan# 184

Delta R.T. 0.00 min

Lab File: VN049850.D

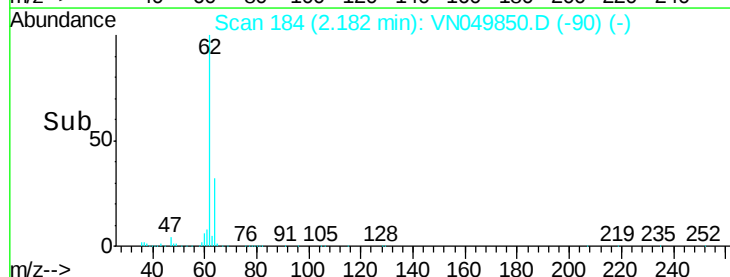
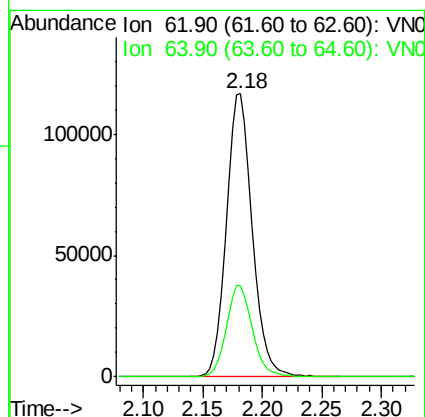
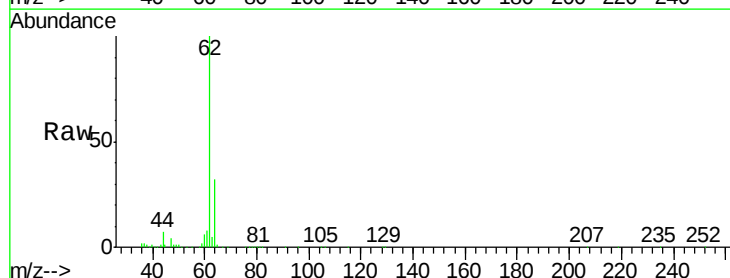
Acq: 17 Jul 2018 17:00

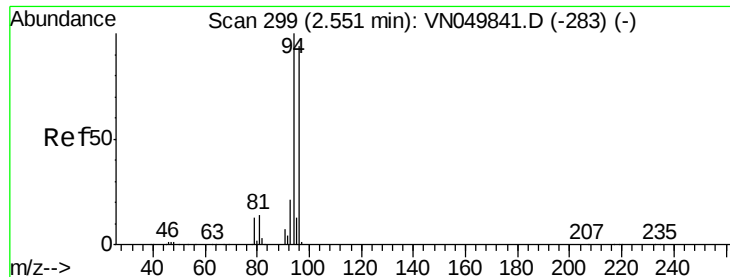
Tgt Ion: 62 Resp: 175785

Ion Ratio Lower Upper

62 100

64 32.2 25.4 38.0





#5

Bromomethane

Concen: 23.06 ug/l

RT: 2.56 min Scan# 303

Delta R.T. 0.01 min

Lab File: VN049850.D

Acq: 17 Jul 2018 17:00

Instrument :

MSVOA_N

ClientSampleId :

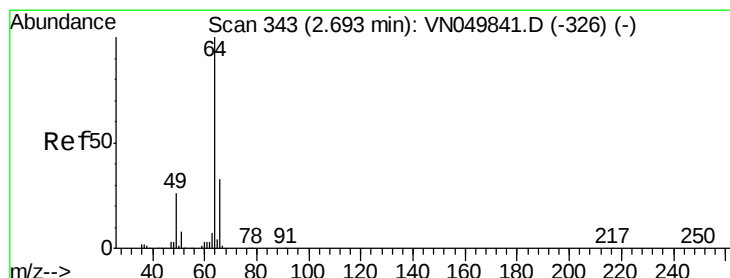
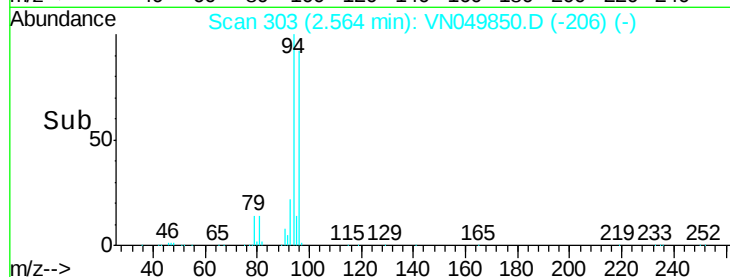
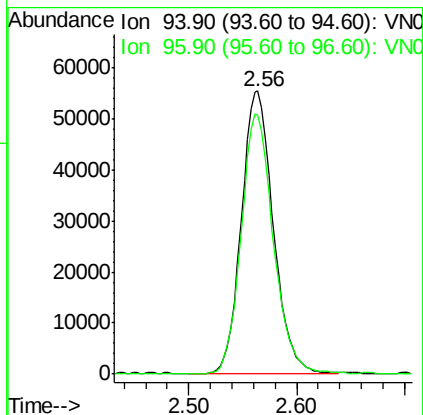
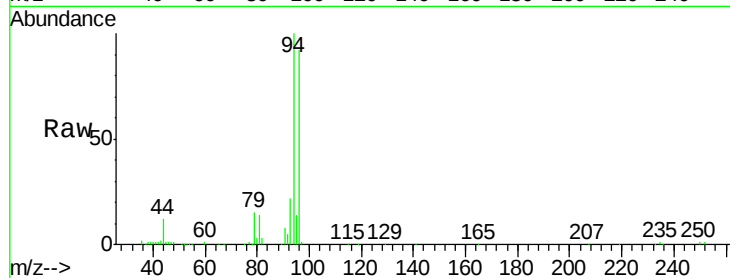
VN0717WBS01

Tot Ion: 94 Resp: 114444

Ion Ratio Lower Upper

94 100

96 91.7 75.7 113.5



#6

Chloroethane

Concen: 20.28 ug/l

RT: 2.70 min Scan# 345

Delta R.T. 0.01 min

Lab File: VN049850.D

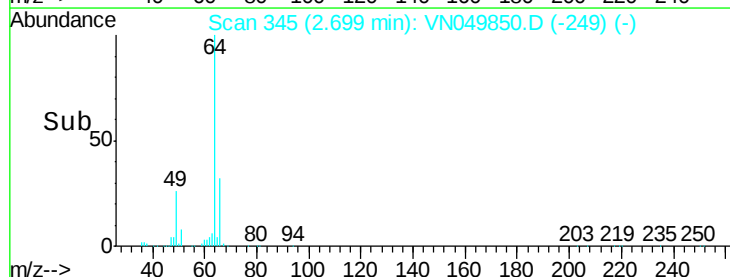
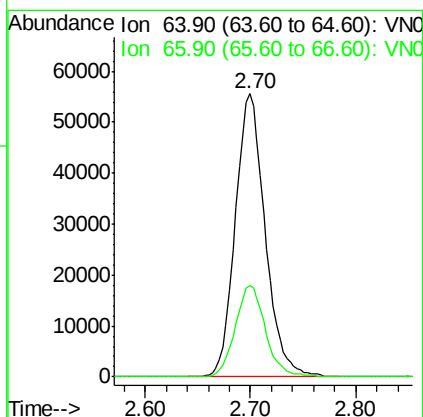
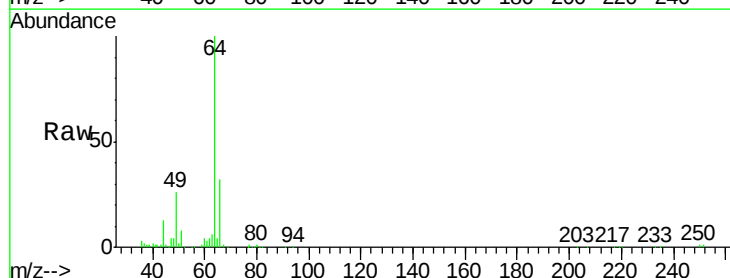
Acq: 17 Jul 2018 17:00

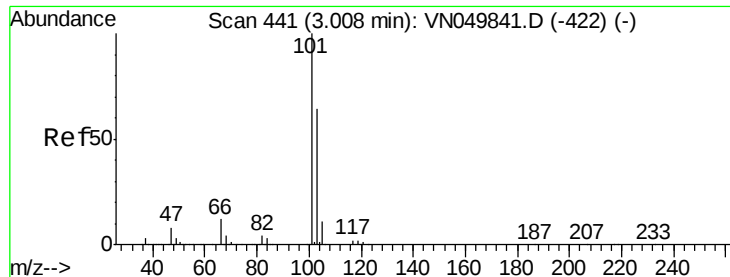
Tgt Ion: 64 Resp: 109135

Ion Ratio Lower Upper

64 100

66 32.3 25.6 38.4



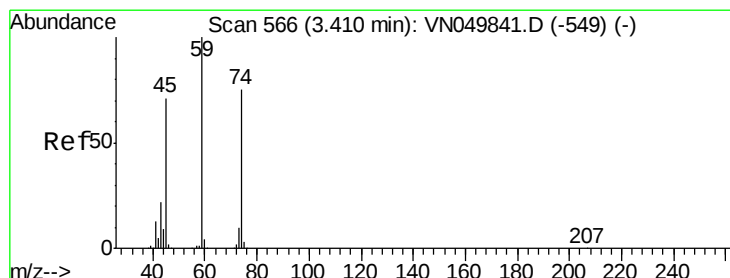
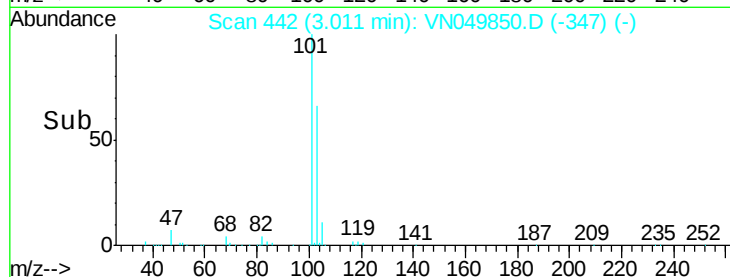
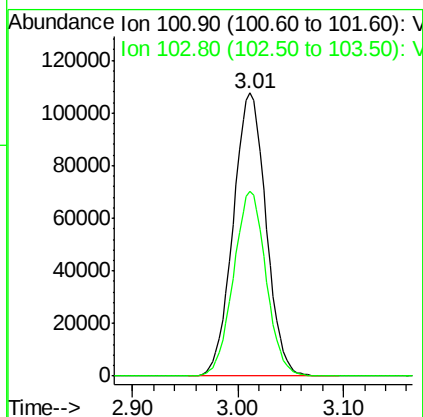
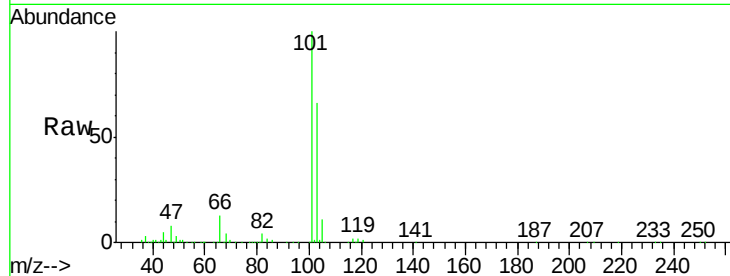


#7

Trichlorofluoromethane
 Concen: 20.62 ug/l
 RT: 3.01 min Scan# 442
 Delta R.T. 0.00 min
 Lab File: VN049850.D
 Acq: 17 Jul 2018 17:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0717WBS01

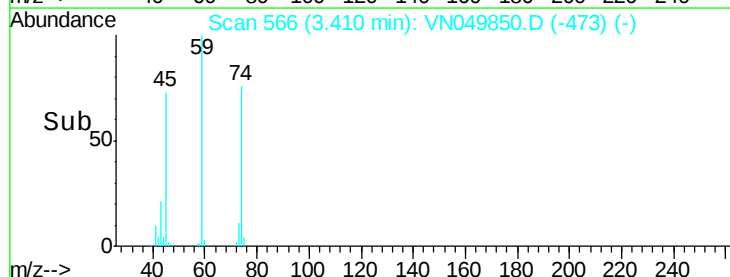
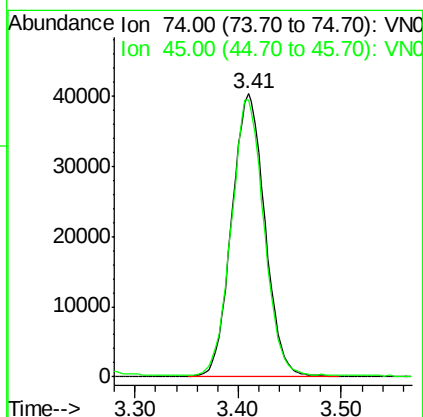
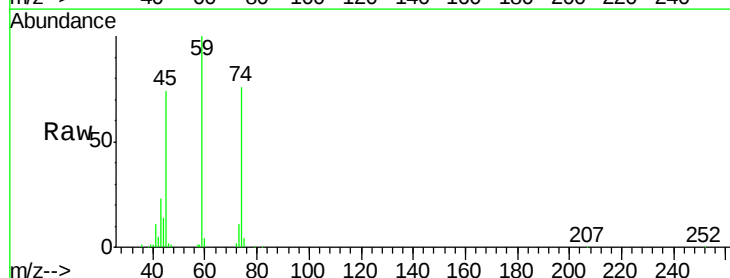
Tot Ion:101 Resp: 232498
 Ion Ratio Lower Upper
 101 100
 103 65.5 52.8 79.2

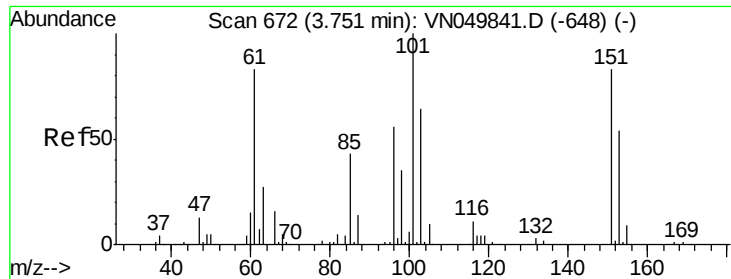


#8

Diethyl Ether
 Concen: 20.46 ug/l
 RT: 3.41 min Scan# 566
 Delta R.T. 0.00 min
 Lab File: VN049850.D
 Acq: 17 Jul 2018 17:00

Tgt Ion: 74 Resp: 90220
 Ion Ratio Lower Upper
 74 100
 45 95.6 48.4 145.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.32 ug/l

RT: 3.75 min Scan# 671

Delta R.T. -0.00 min

Lab File: VN049850.D

Acq: 17 Jul 2018 17:00

Instrument :

MSVOA_N

ClientSampleId :

VN0717WBS01

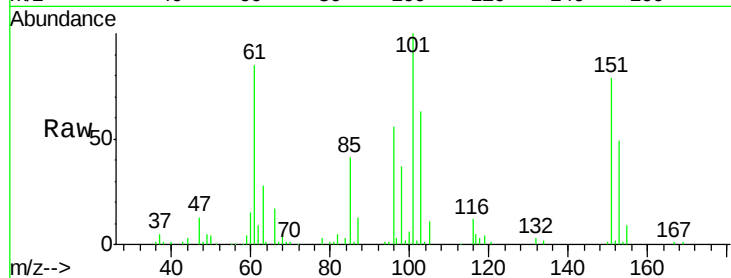
Tot Ion:101 Resp: 143334

Ion Ratio Lower Upper

101 100

85 42.8 34.4 51.6

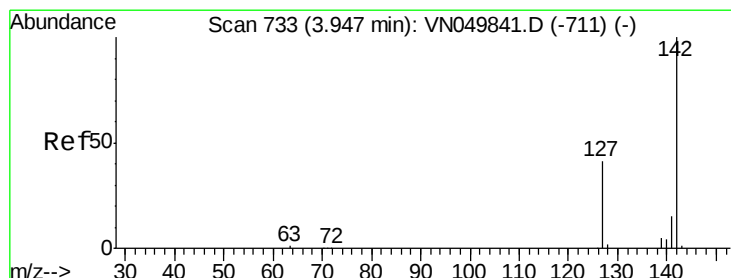
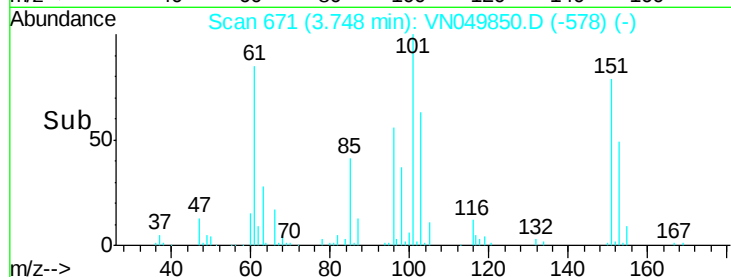
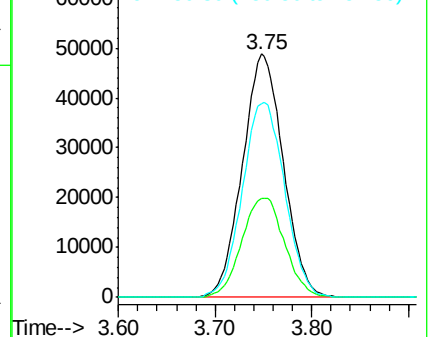
151 82.9 66.2 99.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.61 ug/l

RT: 3.95 min Scan# 733

Delta R.T. 0.00 min

Lab File: VN049850.D

Acq: 17 Jul 2018 17:00

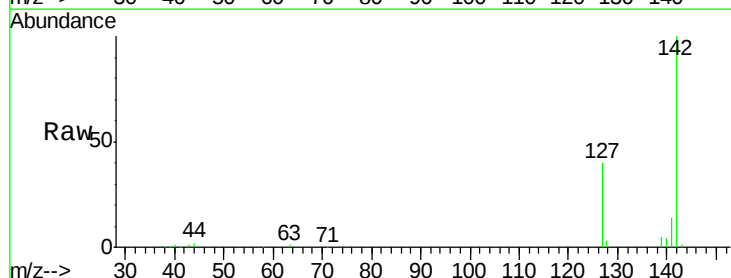
Tgt Ion:142 Resp: 191015

Ion Ratio Lower Upper

142 100

127 40.8 32.5 48.7

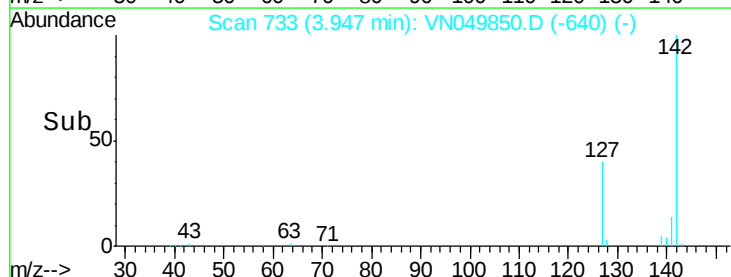
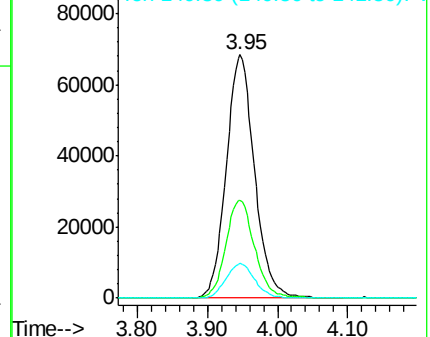
141 14.5 11.1 16.7

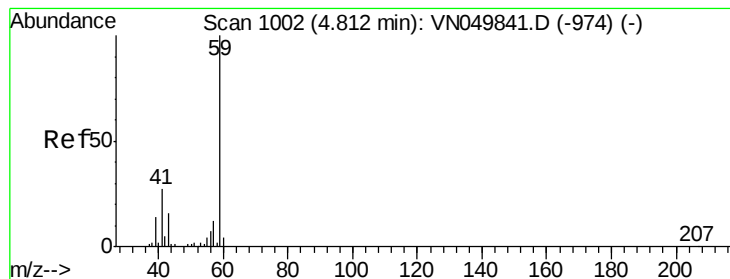


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 110.77 ug/l

RT: 4.81 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VN049850.D

Acq: 17 Jul 2018 17:00

Instrument :

MSVOA_N

ClientSampleId :

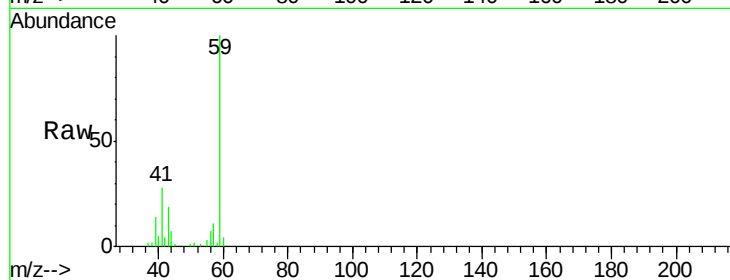
VN0717WBS01

Tot Ion: 59 Resp: 75607

Ion Ratio Lower Upper

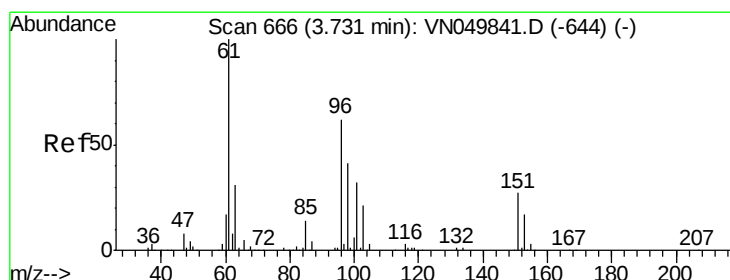
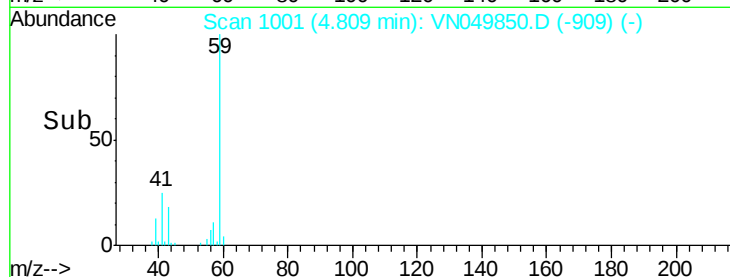
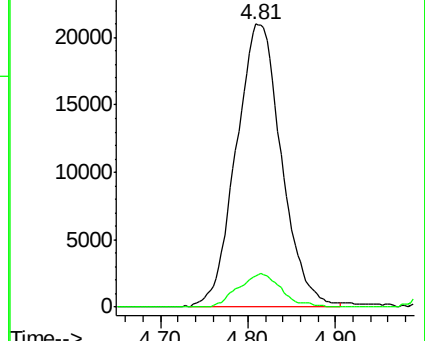
59 100

57 10.9 8.5 12.7



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0



#12

1,1-Dichloroethene

Concen: 19.77 ug/l

RT: 3.73 min Scan# 665

Delta R.T. -0.00 min

Lab File: VN049850.D

Acq: 17 Jul 2018 17:00

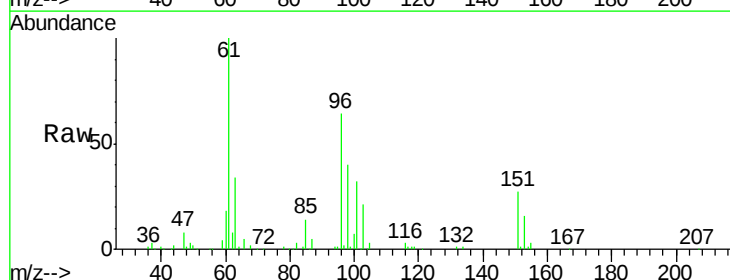
Tgt Ion: 96 Resp: 132320

Ion Ratio Lower Upper

96 100

61 155.7 126.5 189.7

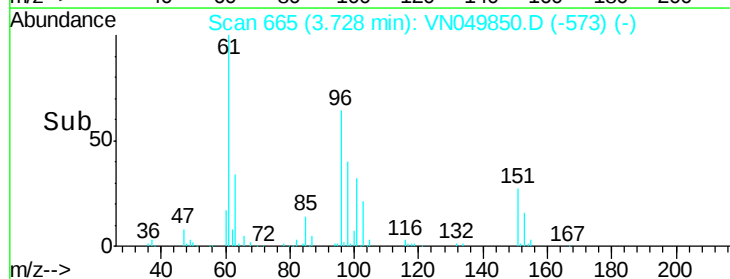
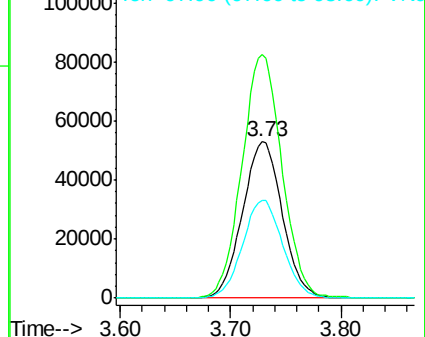
98 62.8 51.0 76.6

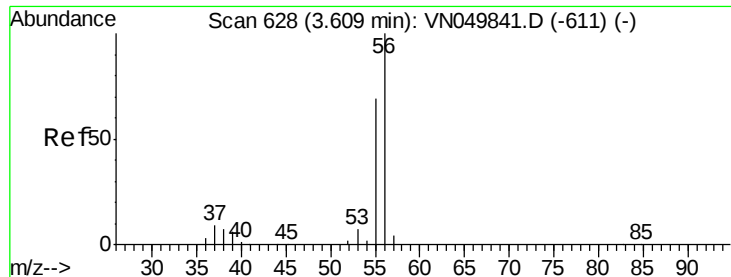


Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#13

Acrolein

Concen: 118.34 ug/l

RT: 3.61 min Scan# 627

Delta R.T. -0.00 min

Lab File: VN049850.D

Acq: 17 Jul 2018 17:00

Instrument :

MSVOA_N

ClientSampled :

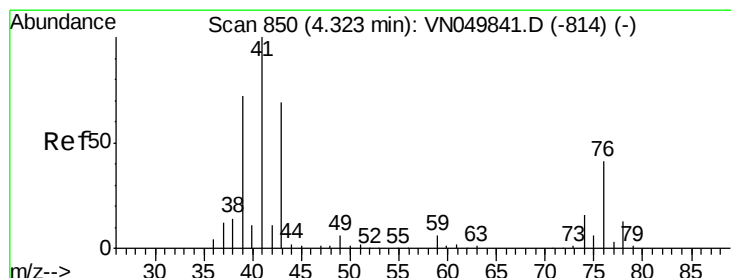
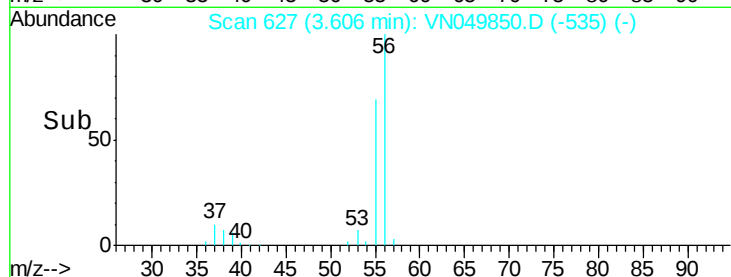
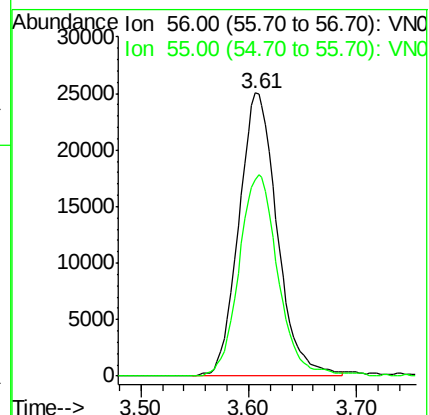
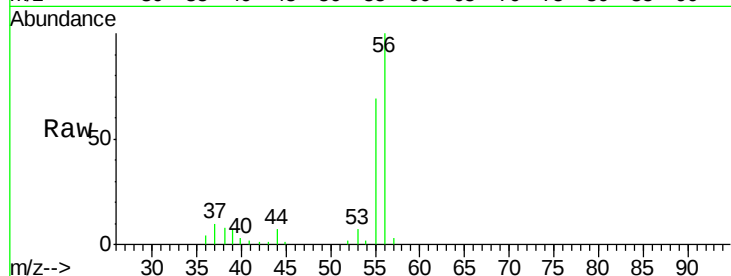
VN0717WBS01

Tot Ion: 56 Resp: 61909

Ion Ratio Lower Upper

56 100

55 70.9 55.8 83.8



#14

Allyl chloride

Concen: 20.27 ug/l

RT: 4.32 min Scan# 849

Delta R.T. -0.00 min

Lab File: VN049850.D

Acq: 17 Jul 2018 17:00

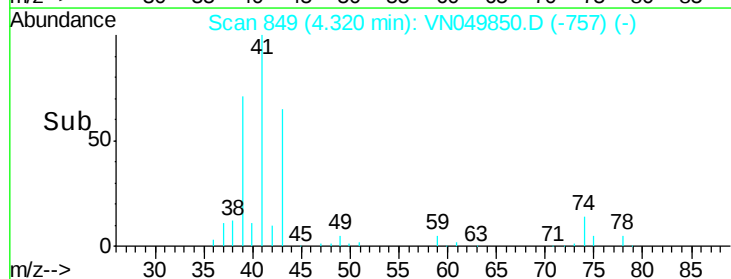
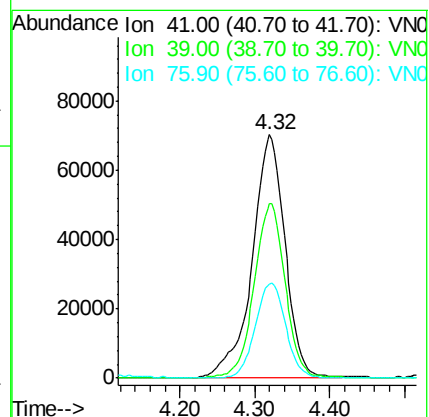
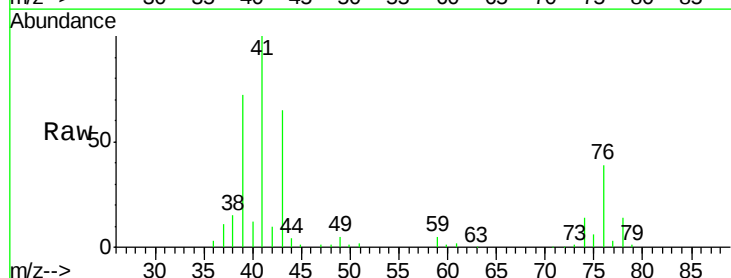
Tgt Ion: 41 Resp: 215413

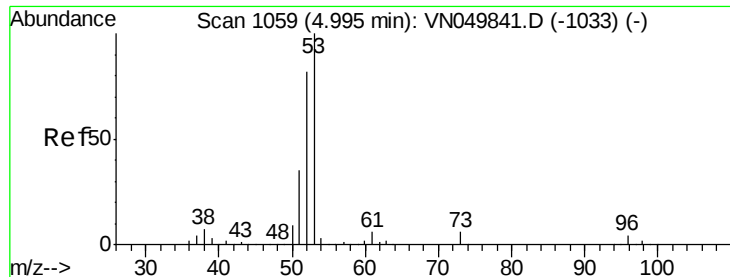
Ion Ratio Lower Upper

41 100

39 67.6 53.2 79.8

76 36.1 29.0 43.6





#15

Acrylonitrile

Concen: 104.92 ug/l

RT: 4.99 min Scan# 1058

Delta R.T. -0.00 min

Lab File: VN049850.D

Acq: 17 Jul 2018 17:00

Instrument :

MSVOA_N

ClientSampled :

VN0717WBS01

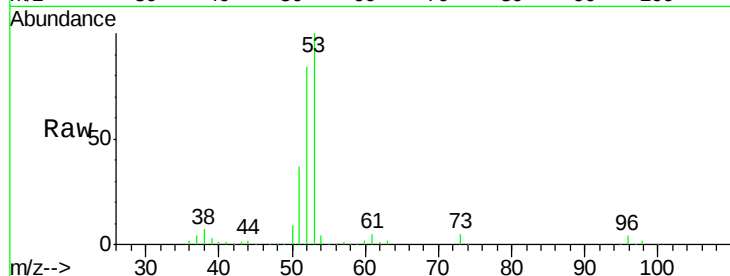
Tot Ion: 53 Resp: 301281

Ion Ratio Lower Upper

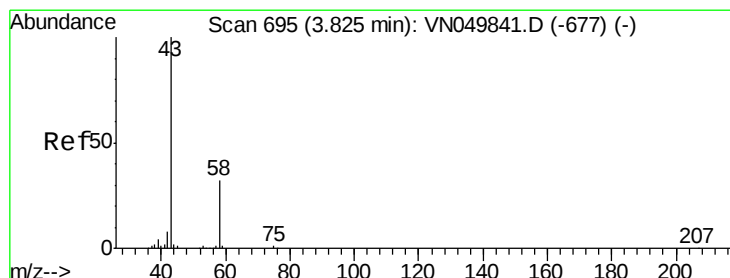
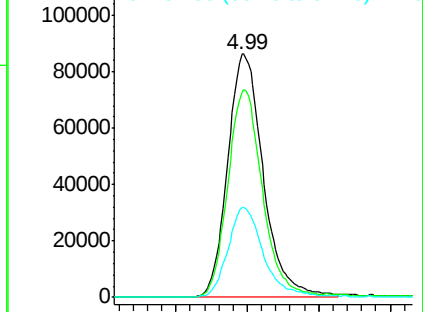
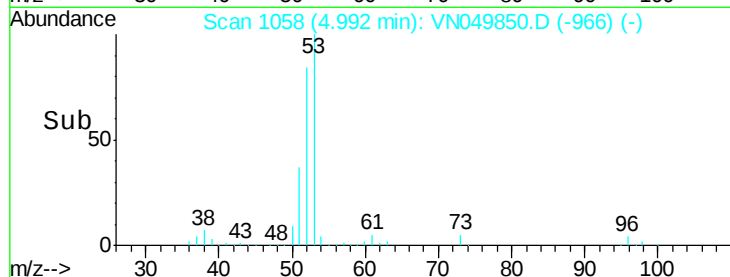
53 100

52 82.4 64.8 97.2

51 36.7 28.9 43.3



Abundance Ion 53.00 (52.70 to 53.70): VN049850.D (-966) (-)



#16

Acetone

Concen: 115.51 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN049850.D

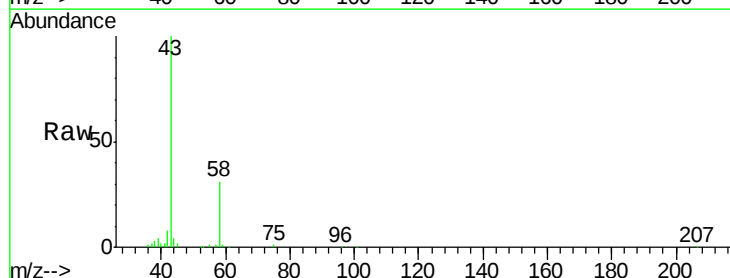
Acq: 17 Jul 2018 17:00

Tgt Ion: 43 Resp: 233595

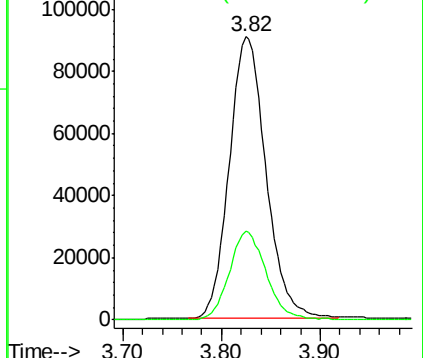
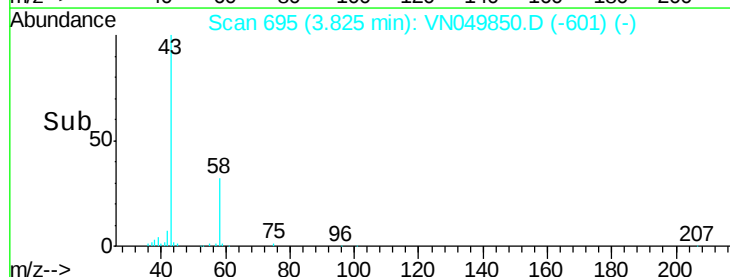
Ion Ratio Lower Upper

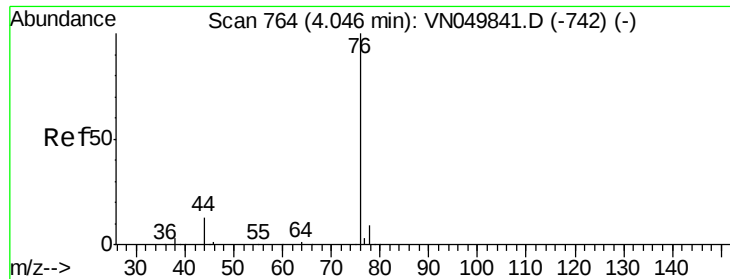
43 100

58 31.6 25.9 38.9



Abundance Ion 43.00 (42.70 to 43.70): VN049850.D (-601) (-)

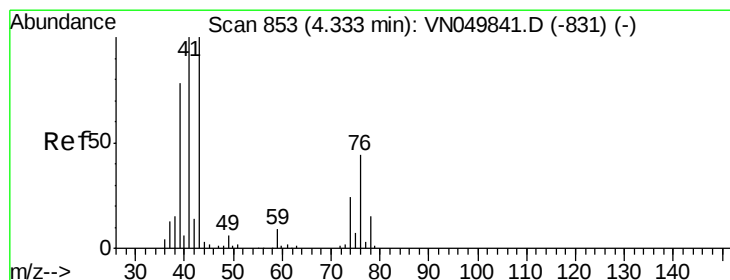
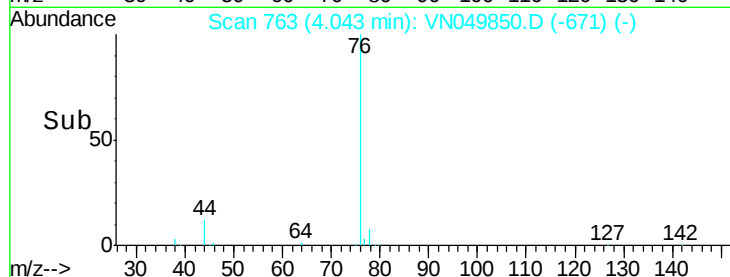
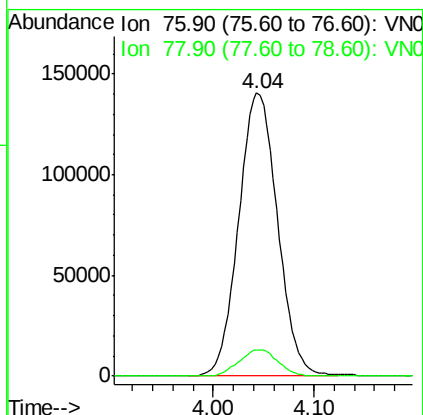
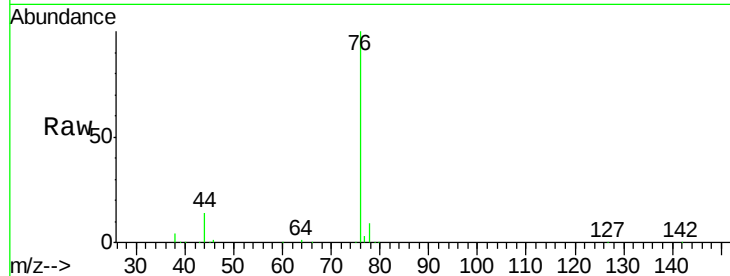




#17
Carbon Disulfide
Concen: 20.29 ug/l
RT: 4.04 min Scan# 763
Delta R.T. -0.00 min
Lab File: VN049850.D
Acq: 17 Jul 2018 17:00

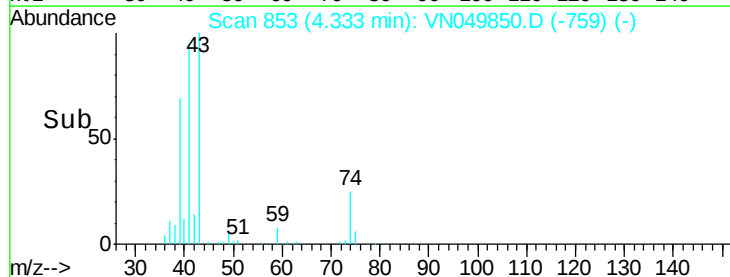
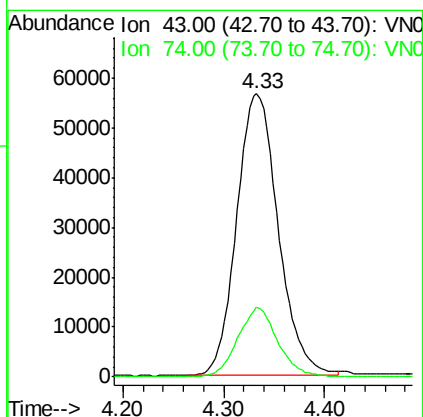
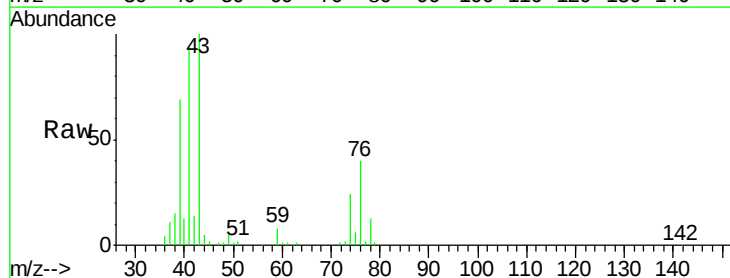
Instrument :
MSVOA_N
ClientSampleId :
VN0717WBS01

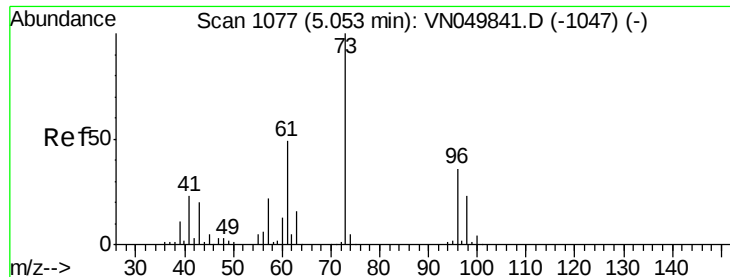
Tot Ion: 76 Resp: 375289
Ion Ratio Lower Upper
76 100
78 9.3 7.1 10.7



#18
Methyl Acetate
Concen: 22.34 ug/l
RT: 4.33 min Scan# 853
Delta R.T. 0.00 min
Lab File: VN049850.D
Acq: 17 Jul 2018 17:00

Tgt Ion: 43 Resp: 162321
Ion Ratio Lower Upper
43 100
74 23.5 19.8 29.8

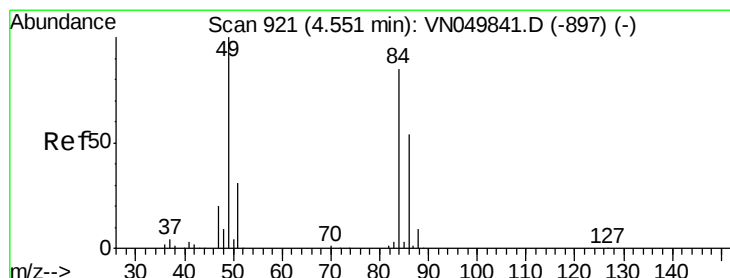
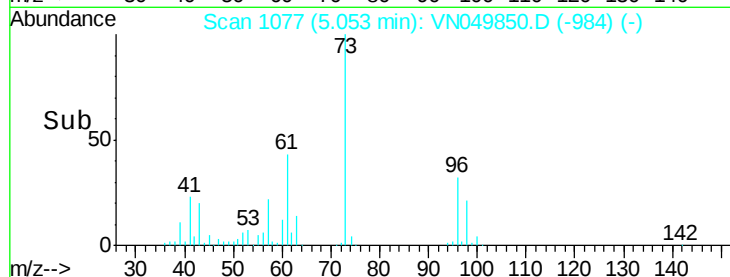
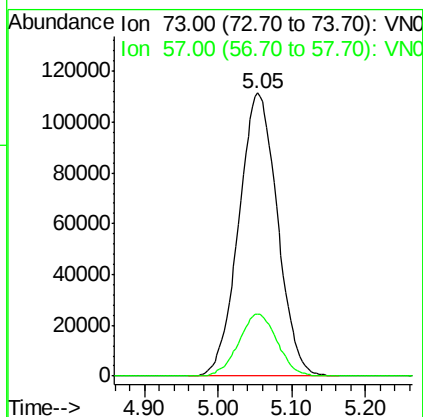
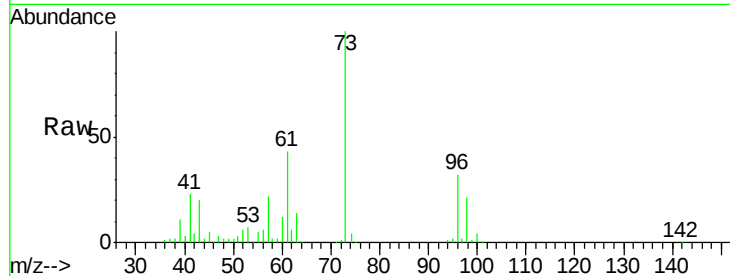




#19
Methyl tert-butyl Ether
Concen: 21.75 ug/l
RT: 5.05 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VN049850.D
Acq: 17 Jul 2018 17:00

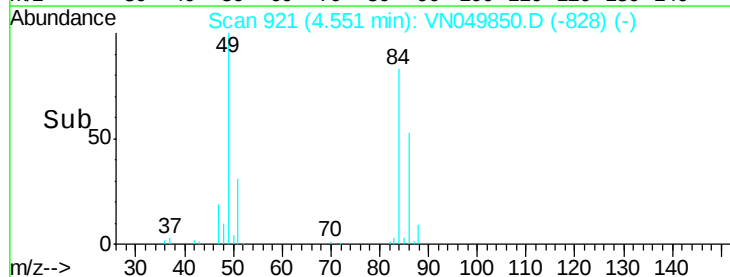
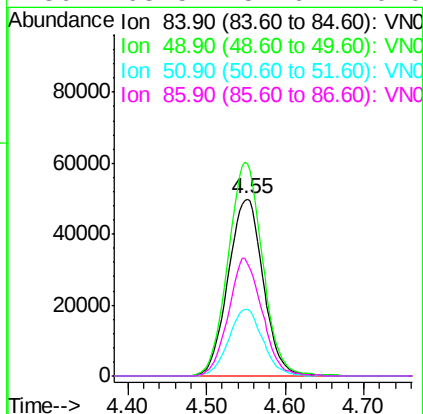
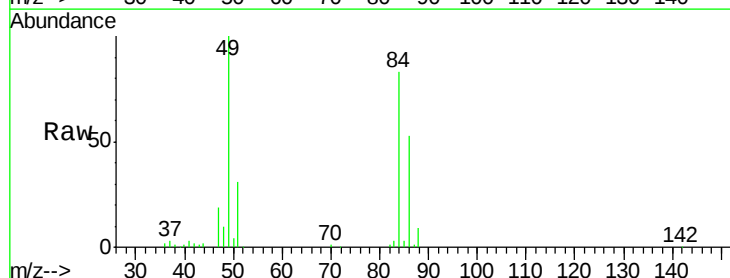
Instrument :
MSVOA_N
ClientSampleId :
VN0717WBS01

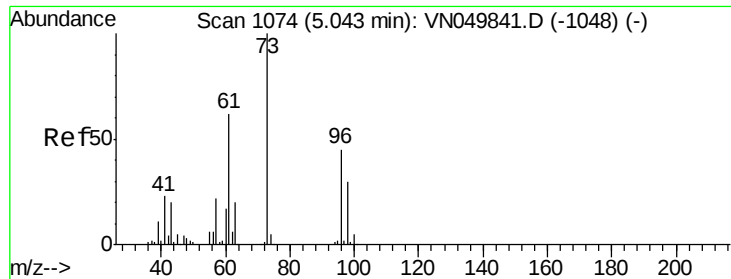
Tot Ion: 73 Resp: 406655
Ion Ratio Lower Upper
73 100
57 21.9 18.1 27.1



#20
Methylene Chloride
Concen: 21.02 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN049850.D
Acq: 17 Jul 2018 17:00

Tgt Ion: 84 Resp: 155060
Ion Ratio Lower Upper
84 100
49 120.0 95.4 143.2
51 37.3 28.4 42.6
86 63.5 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 20.00 ug/l

RT: 5.04 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VN049850.D

Acq: 17 Jul 2018 17:00

Instrument :

MSVOA_N

ClientSampleId :

VN0717WBS01

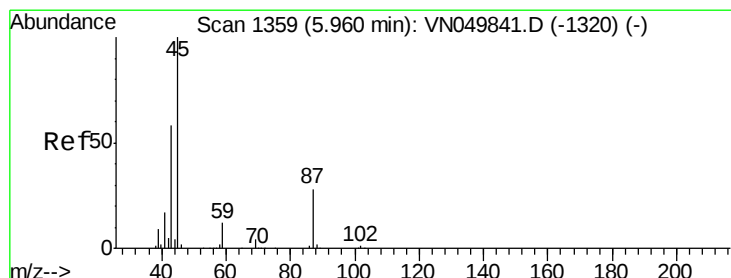
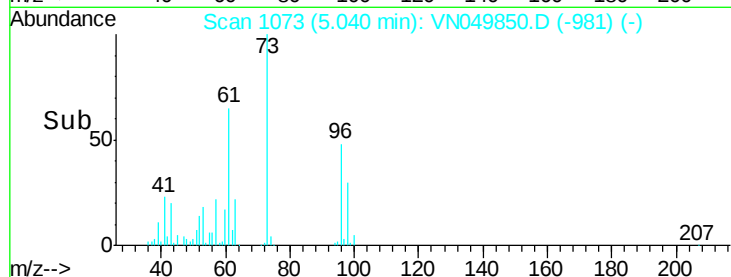
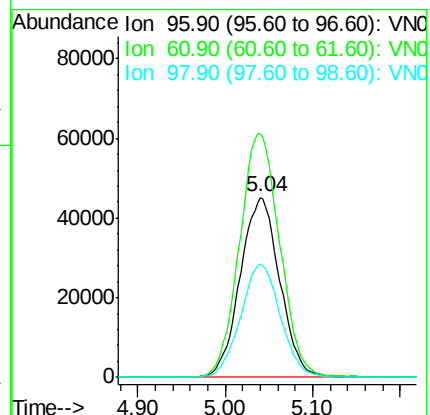
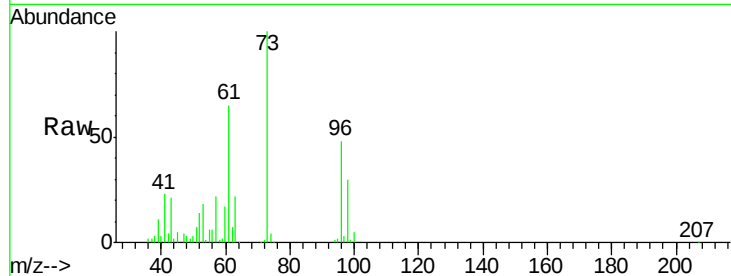
Tot Ion: 96 Resp: 141516

Ion Ratio Lower Upper

96 100

61 135.1 109.0 163.6

98 62.6 51.1 76.7



#22

Diisopropyl ether

Concen: 21.73 ug/l

RT: 5.96 min Scan# 1358

Delta R.T. -0.00 min

Lab File: VN049850.D

Acq: 17 Jul 2018 17:00

Tgt Ion: 45 Resp: 461632

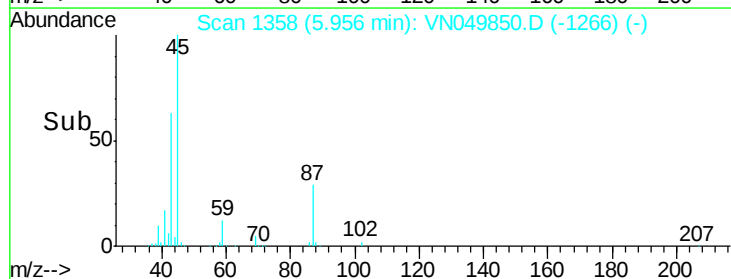
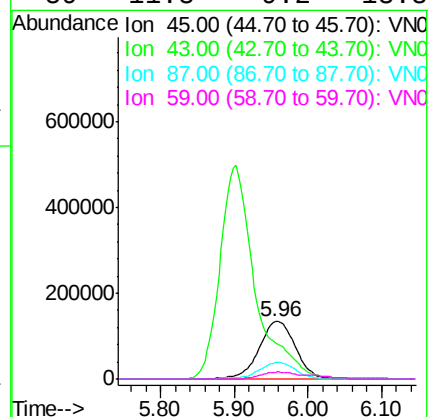
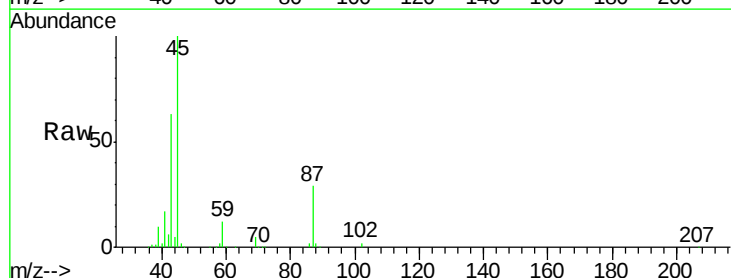
Ion Ratio Lower Upper

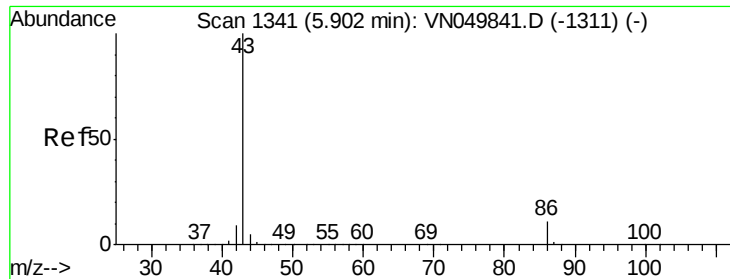
45 100

43 61.2 48.1 72.1

87 28.3 22.6 34.0

59 11.8 9.2 13.8





#23

Vinyl Acetate

Concen: 106.56 ug/l

RT: 5.90 min Scan# 1341

Delta R.T. 0.00 min

Lab File: VN049850.D

Acq: 17 Jul 2018 17:00

Instrument :

MSVOA_N

ClientSampled :

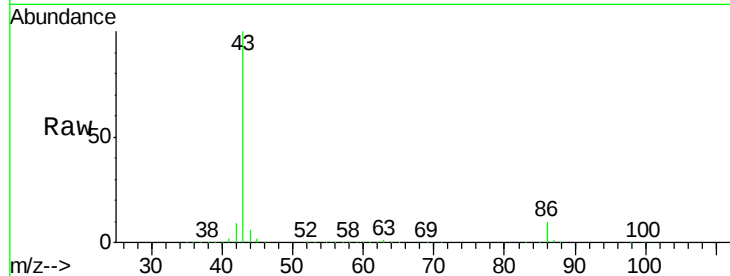
VN0717WBS01

Tot Ion: 43 Resp: 1665274

Ion Ratio Lower Upper

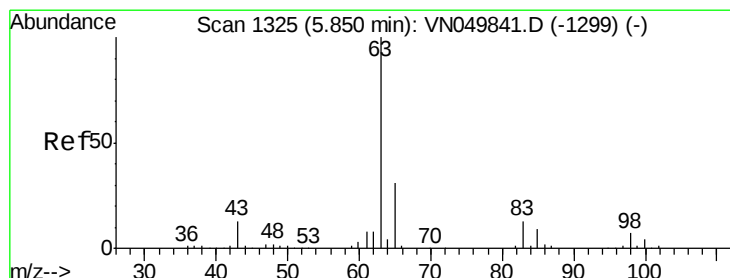
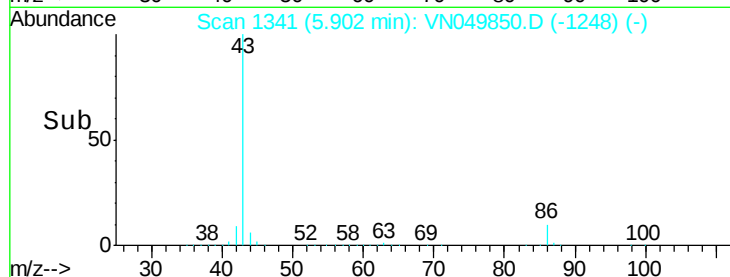
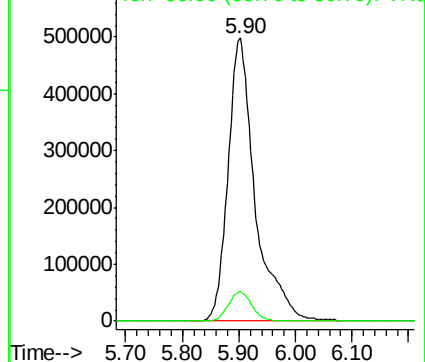
43 100

86 10.4 8.4 12.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 20.00 ug/l

RT: 5.85 min Scan# 1325

Delta R.T. 0.00 min

Lab File: VN049850.D

Acq: 17 Jul 2018 17:00

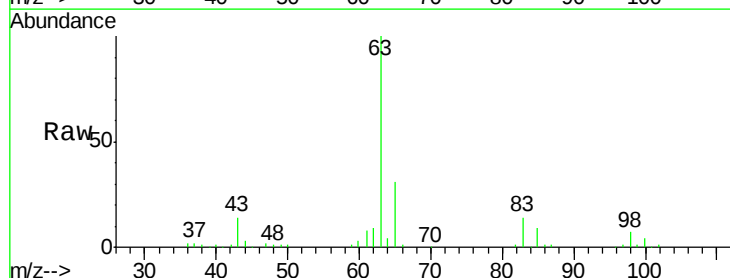
Tgt Ion: 63 Resp: 272300

Ion Ratio Lower Upper

63 100

98 6.5 3.4 10.2

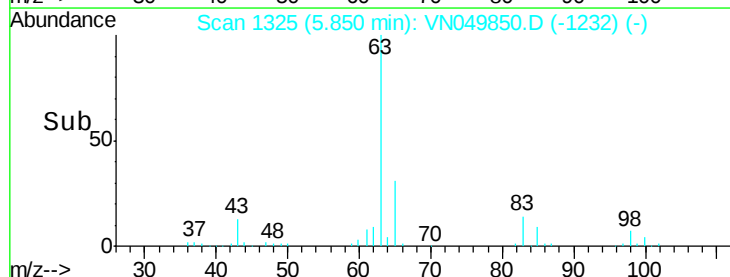
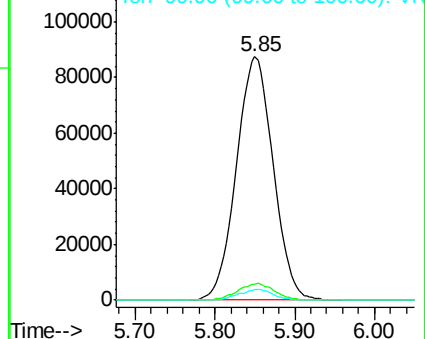
100 4.3 2.2 6.6

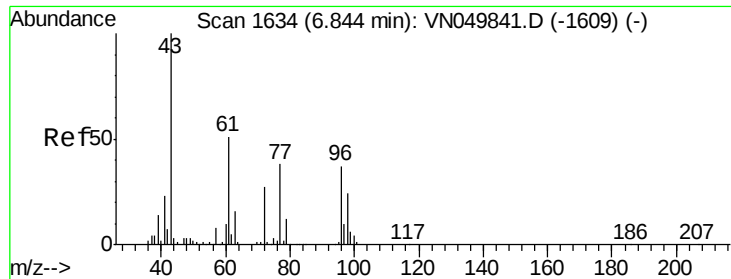


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

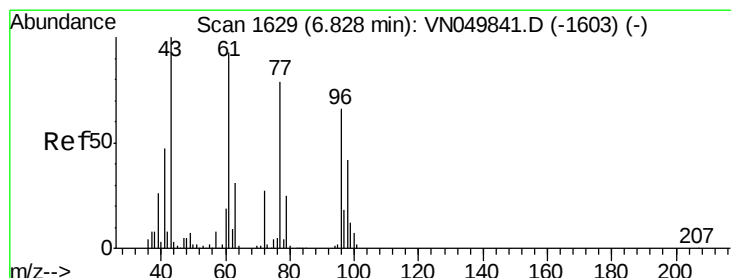
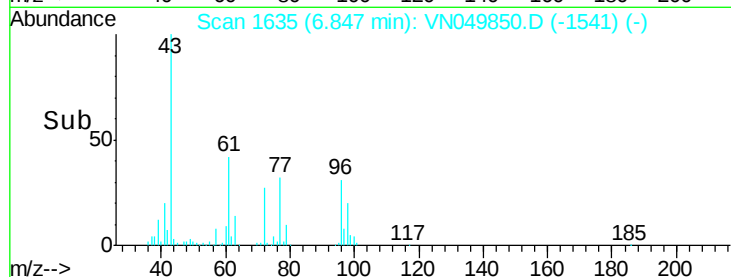
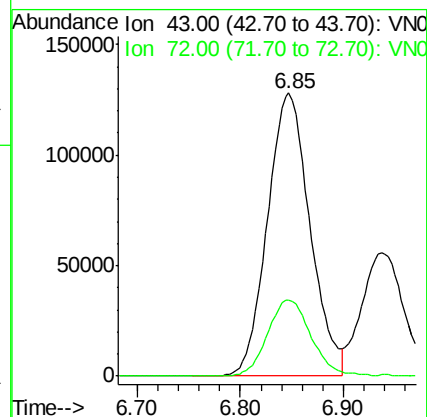
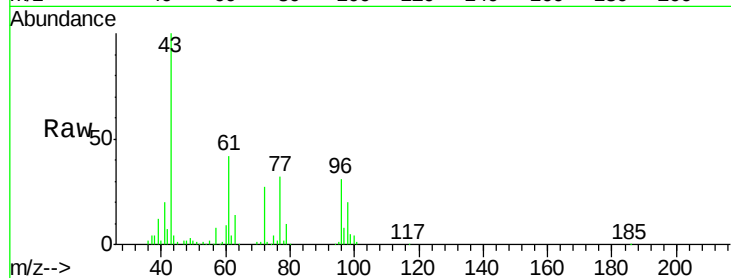




#25
 2-Butanone
 Concen: 103.40 ug/l
 RT: 6.85 min Scan# 1635
 Delta R.T. 0.00 min
 Lab File: VN049850.D
 Acq: 17 Jul 2018 17:00

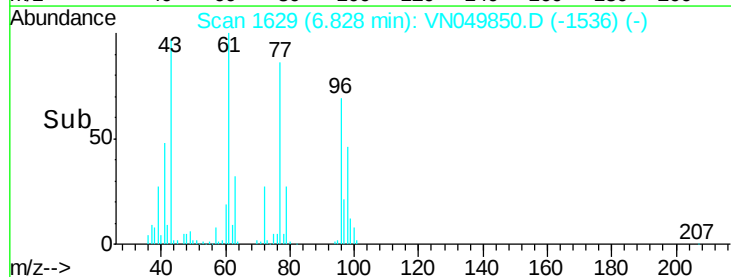
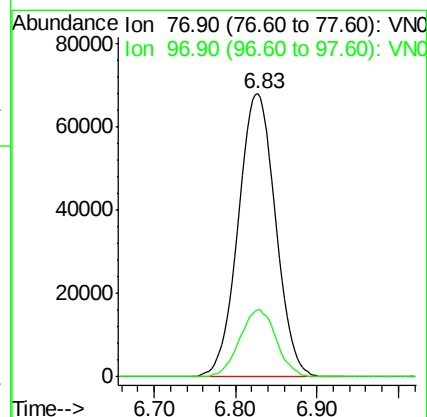
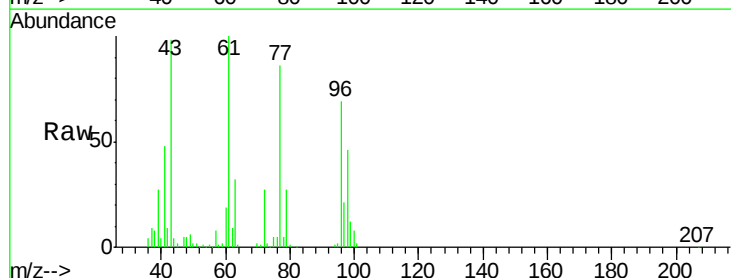
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0717WBS01

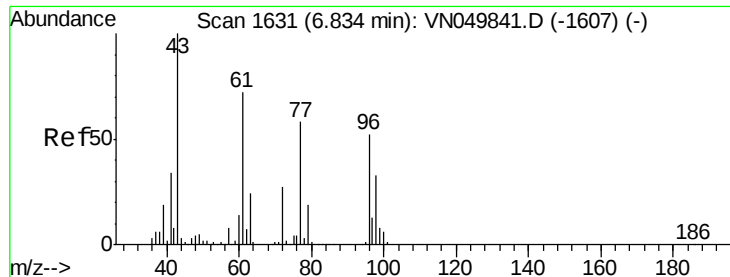
Tot Ion: 43 Resp: 365848
 Ion Ratio Lower Upper
 43 100
 72 26.9 22.1 33.1



#26
 2,2-Dichloropropane
 Concen: 20.82 ug/l
 RT: 6.83 min Scan# 1629
 Delta R.T. 0.00 min
 Lab File: VN049850.D
 Acq: 17 Jul 2018 17:00

Tgt Ion: 77 Resp: 215852
 Ion Ratio Lower Upper
 77 100
 97 23.4 11.9 35.5

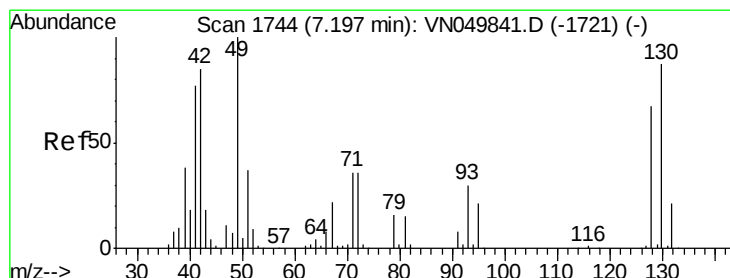
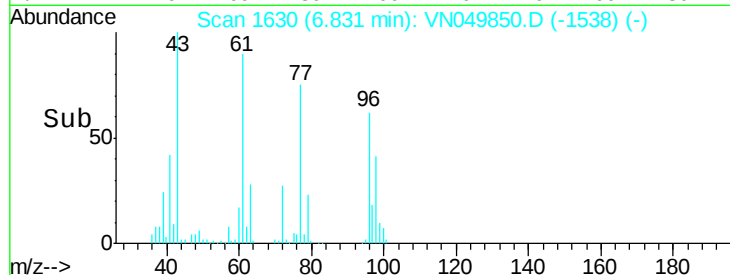
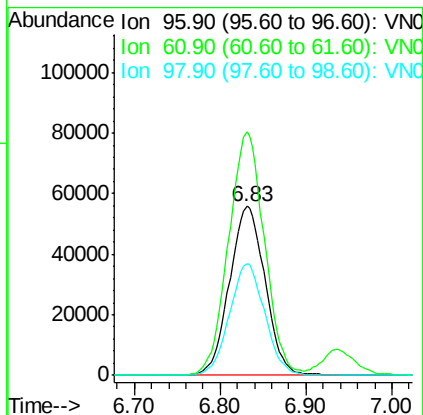
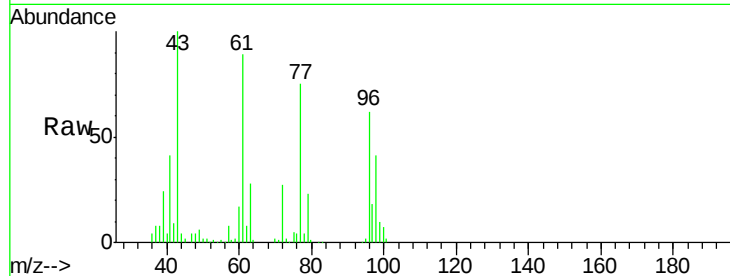




#27
 cis-1,2-Dichloroethene
 Concen: 20.21 ug/l
 RT: 6.83 min Scan# 1630
 Delta R.T. -0.00 min
 Lab File: VN049850.D
 Acq: 17 Jul 2018 17:00

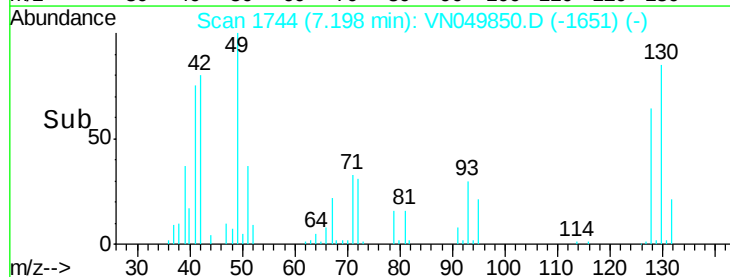
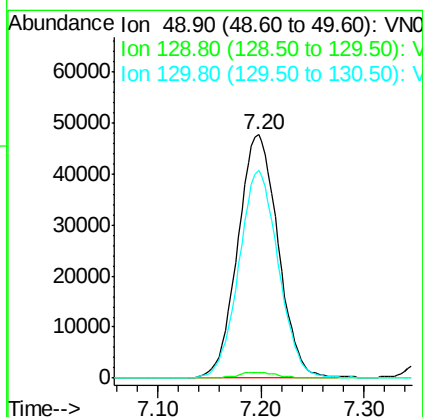
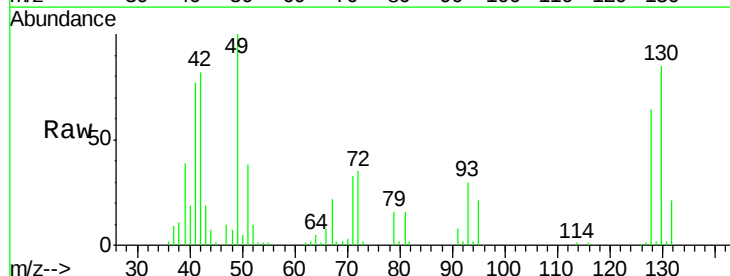
Instrument :
 MSVOA_N
 ClientSampled :
 VN0717WBS01

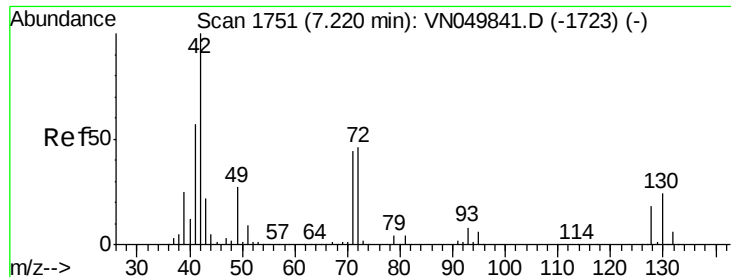
Tot Ion: 96 Resp: 160352
 Ion Ratio Lower Upper
 96 100
 61 145.3 0.0 289.0
 98 65.4 0.0 130.2



#28
 Bromochloromethane
 Concen: 20.49 ug/l
 RT: 7.20 min Scan# 1744
 Delta R.T. 0.00 min
 Lab File: VN049850.D
 Acq: 17 Jul 2018 17:00

Tgt Ion: 49 Resp: 129549
 Ion Ratio Lower Upper
 49 100
 129 2.2 0.0 4.2
 130 83.7 65.5 98.3

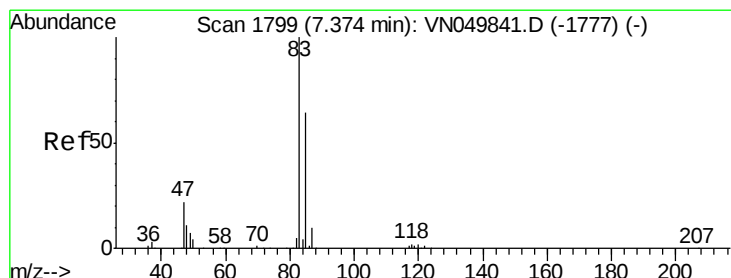
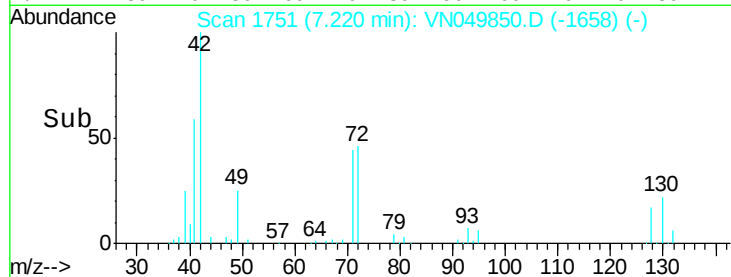
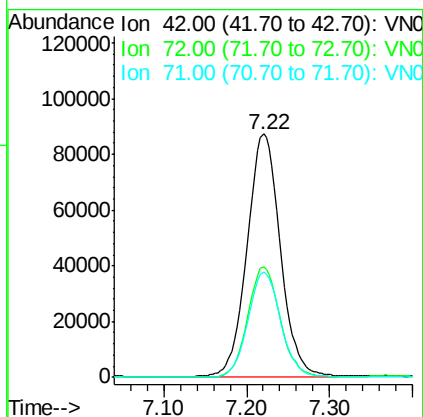
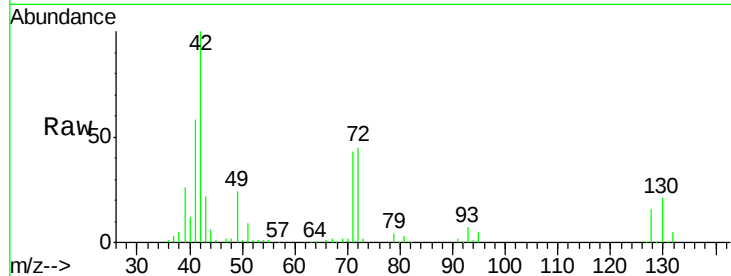




#29
Tetrahydrofuran
Concen: 107.68 ug/l
RT: 7.22 min Scan# 1751
Delta R.T. 0.00 min
Lab File: VN049850.D
Acq: 17 Jul 2018 17:00

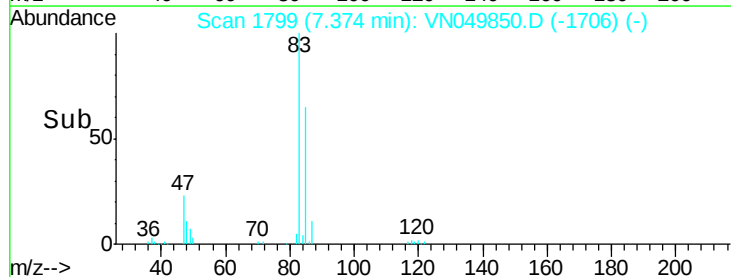
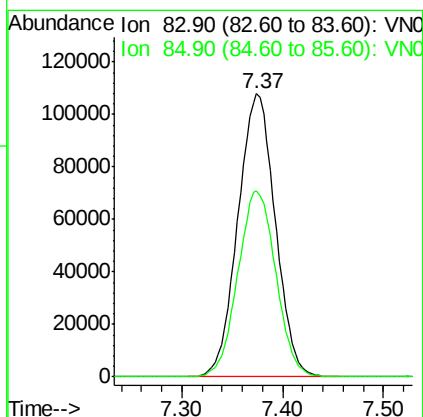
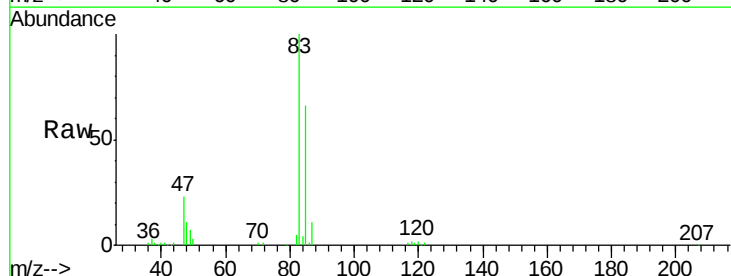
Instrument :
MSVOA_N
ClientSampleId :
VN0717WBS01

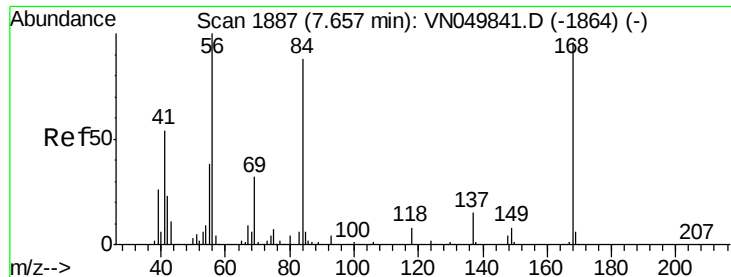
Tot Ion: 42 Resp: 242249
Ion Ratio Lower Upper
42 100
72 44.6 35.6 53.4
71 42.7 34.0 51.0



#30
Chloroform
Concen: 19.75 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN049850.D
Acq: 17 Jul 2018 17:00

Tgt Ion: 83 Resp: 277619
Ion Ratio Lower Upper
83 100
85 65.5 51.4 77.2





#31

Cyclohexane

Concen: 20.90 ug/l

RT: 7.65 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VN049850.D

Acq: 17 Jul 2018 17:00

Instrument :

MSVOA_N

ClientSampled :

VN0717WBS01

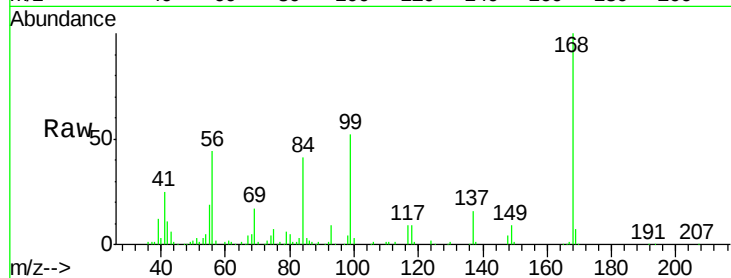
Tot Ion: 56 Resp: 227972

Ion Ratio Lower Upper

56 100

69 37.9 26.6 40.0

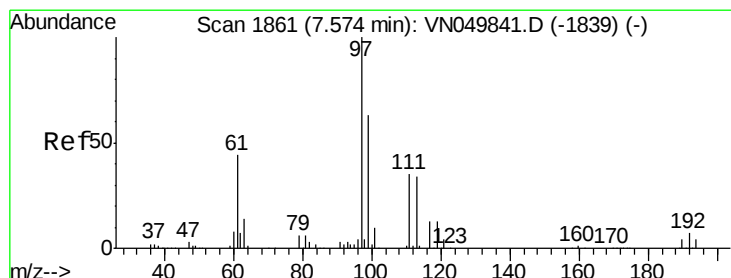
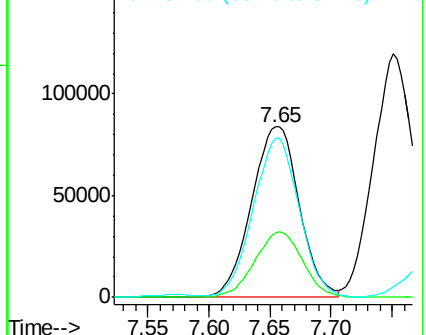
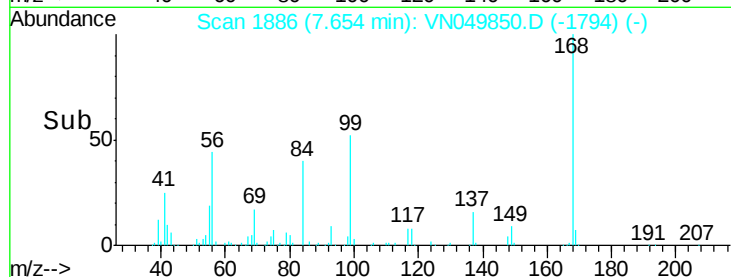
84 91.9 69.0 103.6



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: 19.82 ug/l

RT: 7.57 min Scan# 1861

Delta R.T. 0.00 min

Lab File: VN049850.D

Acq: 17 Jul 2018 17:00

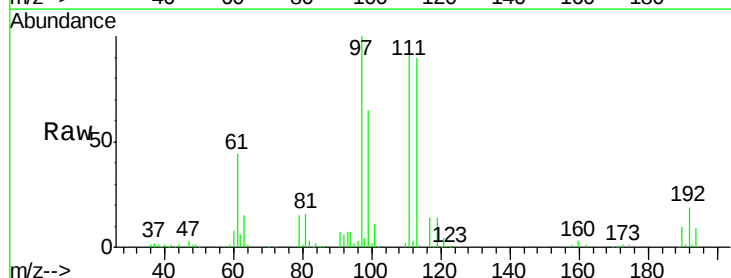
Tgt Ion: 97 Resp: 236663

Ion Ratio Lower Upper

97 100

99 65.3 51.0 76.4

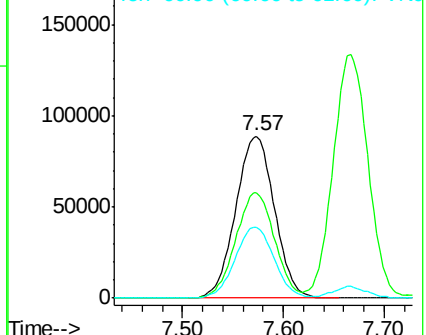
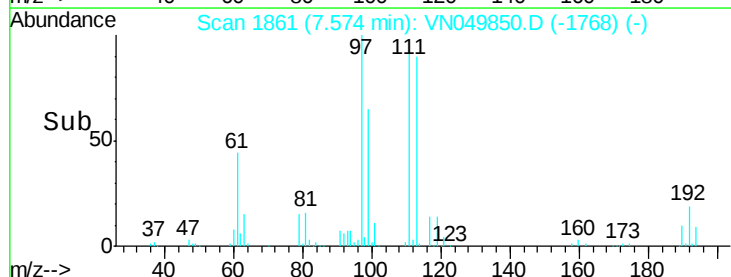
61 44.0 35.5 53.3

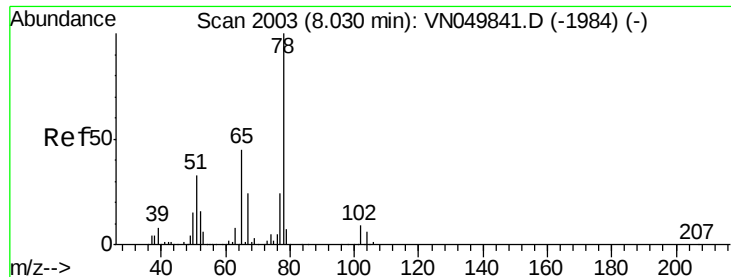


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0





#33

1,2-Dichloroethane-d4

Concen: 52.64 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN049850.D

Acq: 17 Jul 2018 17:00

Instrument :

MSVOA_N

ClientSampleId :

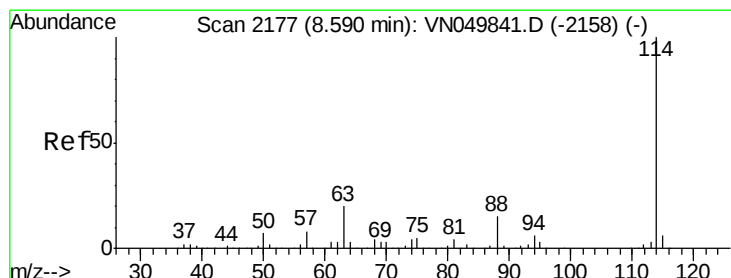
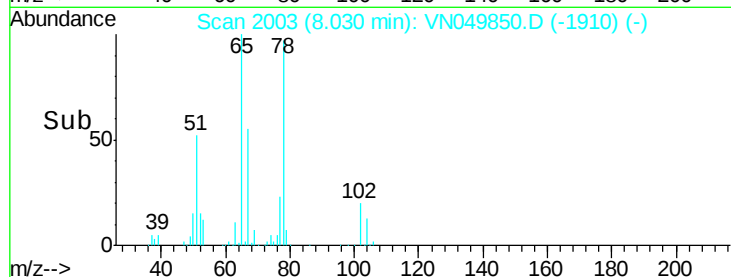
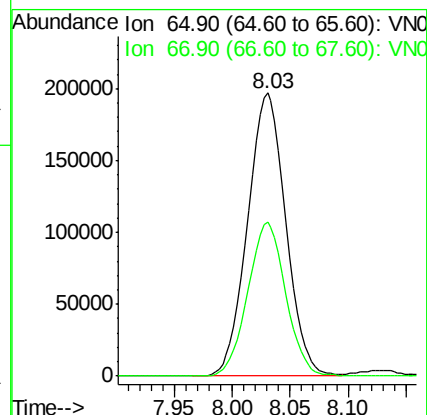
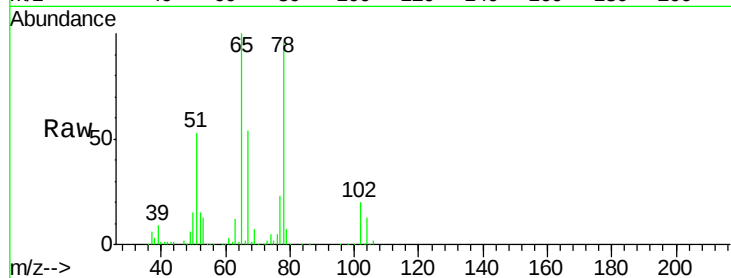
VN0717WBS01

Tot Ion: 65 Resp: 452464

Ion Ratio Lower Upper

65 100

67 54.0 0.0 107.2



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2176

Delta R.T. -0.00 min

Lab File: VN049850.D

Acq: 17 Jul 2018 17:00

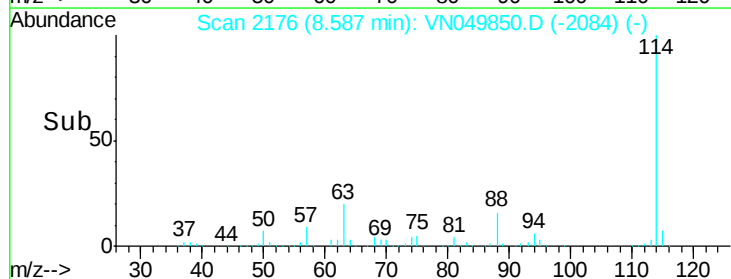
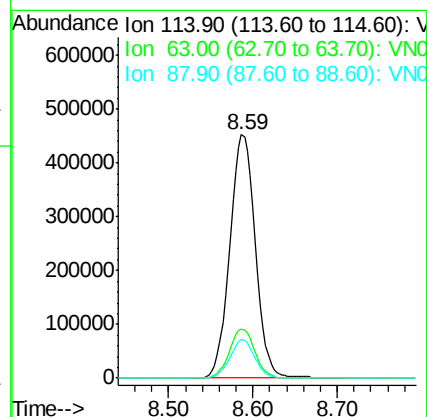
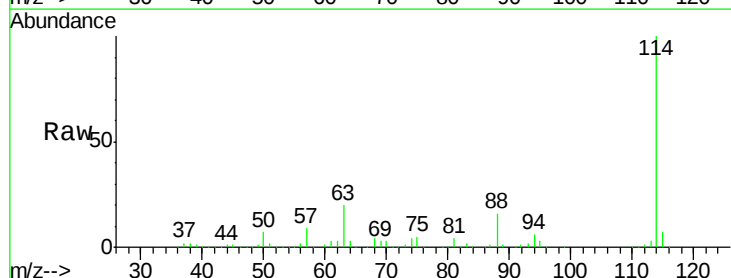
Tgt Ion: 114 Resp: 950286

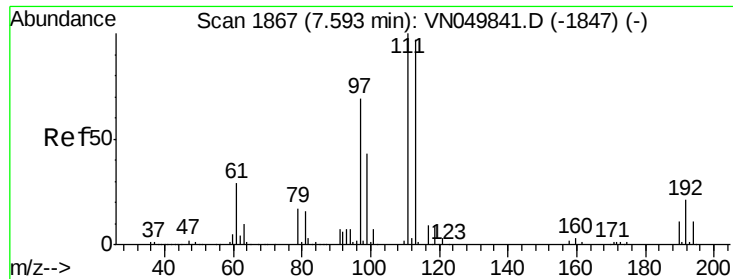
Ion Ratio Lower Upper

114 100

63 20.2 0.0 39.8

88 15.7 0.0 30.6

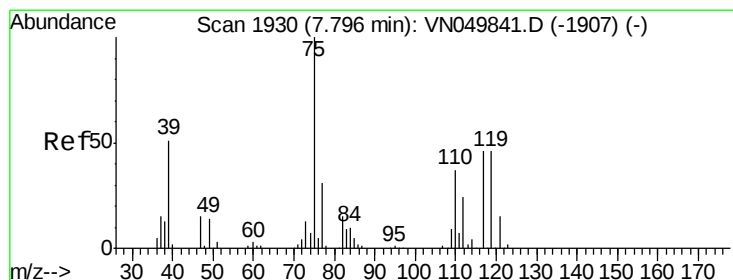
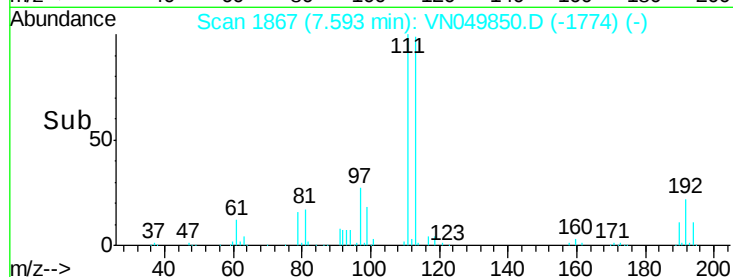
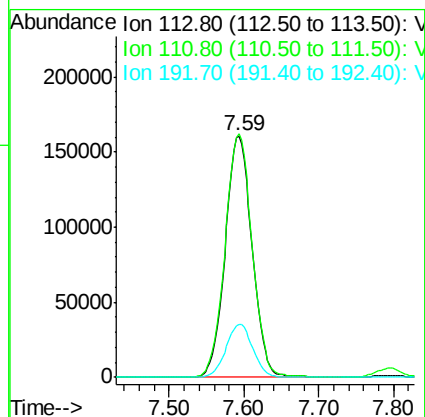
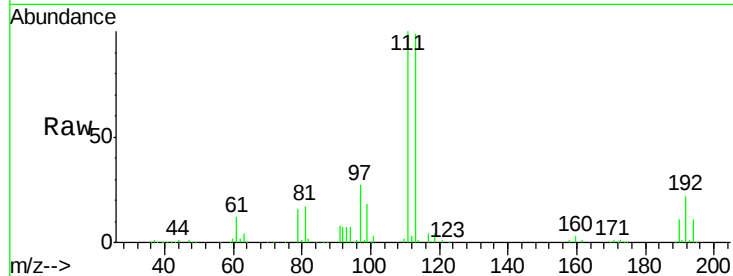




#35
 Dibromofluoromethane
 Concen: 52.81 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN049850.D
 Acq: 17 Jul 2018 17:00

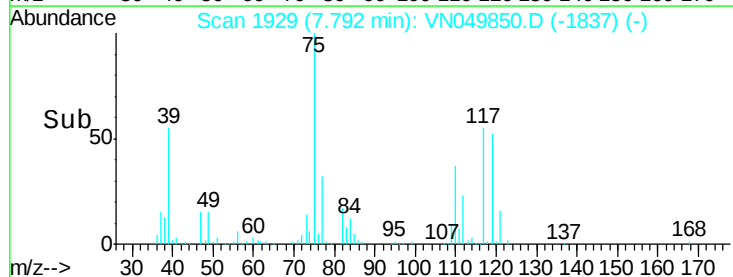
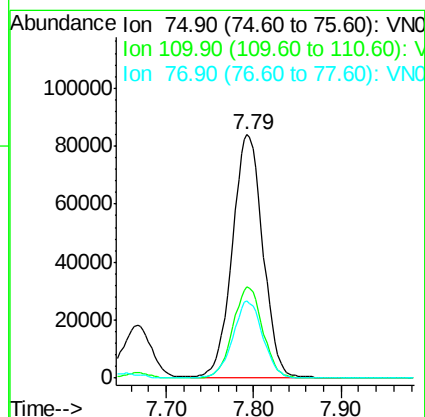
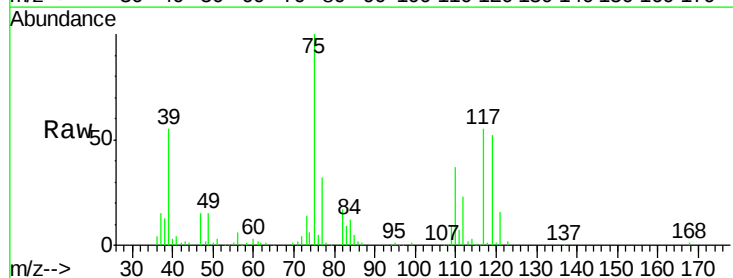
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0717WBS01

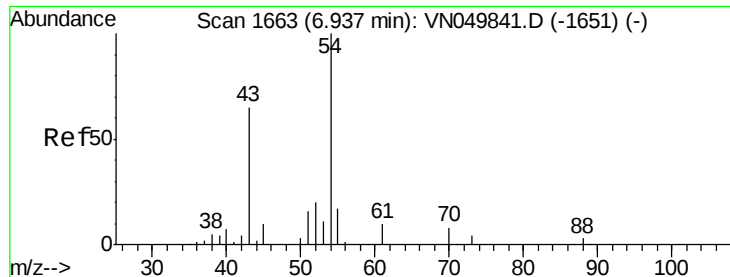
Tot Ion:113 Resp: 398033
 Ion Ratio Lower Upper
 113 100
 111 102.2 81.8 122.8
 192 22.1 17.8 26.6



#36
 1,1-Dichloropropene
 Concen: 20.30 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. -0.00 min
 Lab File: VN049850.D
 Acq: 17 Jul 2018 17:00

Tgt Ion: 75 Resp: 204092
 Ion Ratio Lower Upper
 75 100
 110 36.3 18.1 54.4
 77 31.1 24.9 37.3

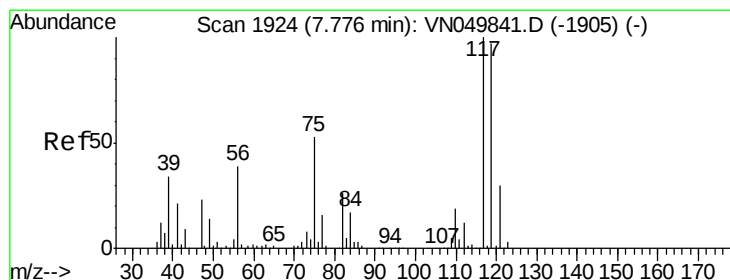
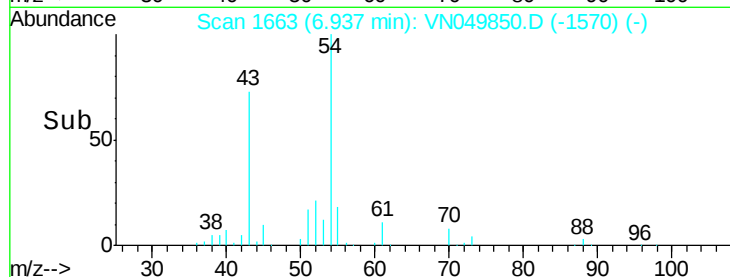
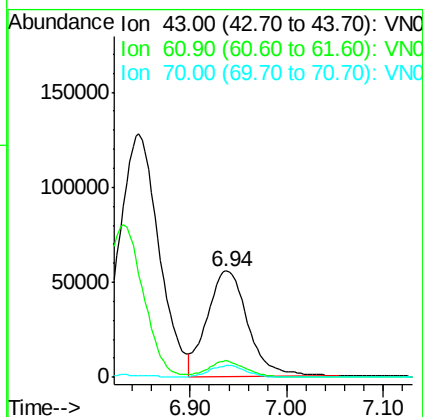
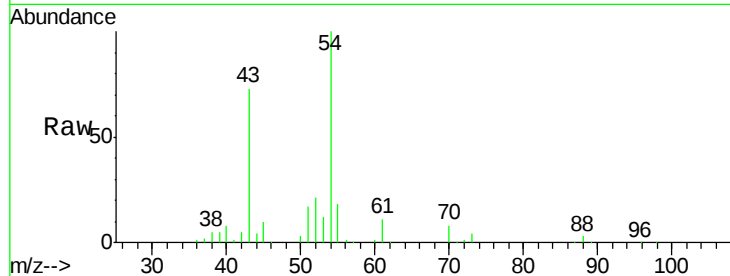




#37
Ethyl Acetate
Concen: 21.50 ug/l
RT: 6.94 min Scan# 1663
Delta R.T. 0.00 min
Lab File: VN049850.D
Acq: 17 Jul 2018 17:00

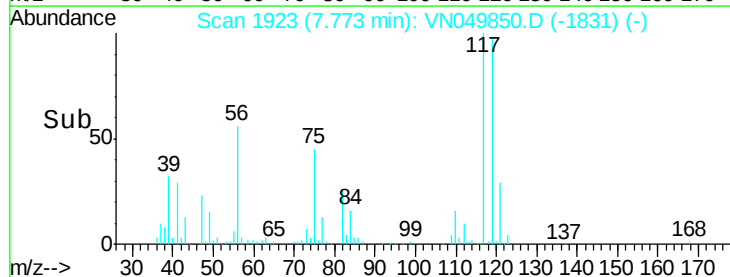
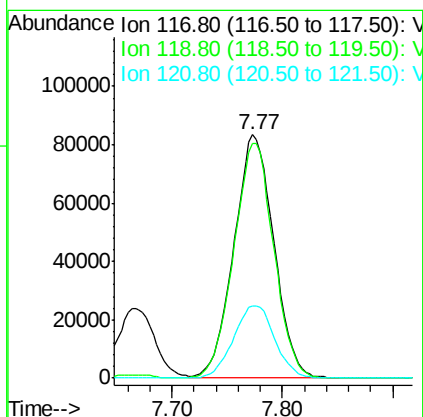
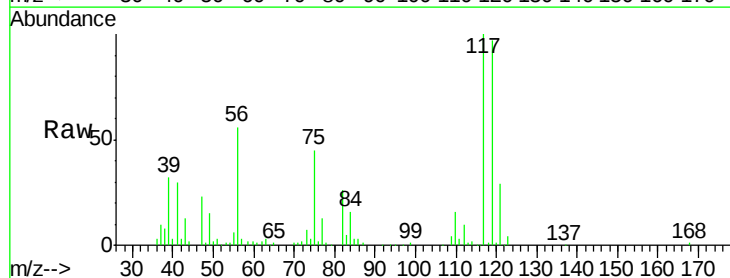
Instrument :
MSVOA_N
ClientSampleId :
VN0717WBS01

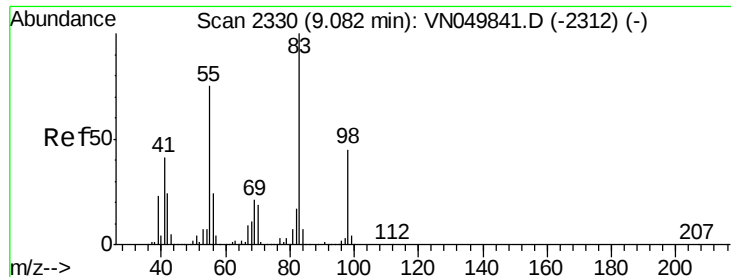
Tot Ion: 43 Resp: 161214
Ion Ratio Lower Upper
43 100
61 14.1 11.7 17.5
70 10.3 8.4 12.6



#38
Carbon Tetrachloride
Concen: 19.78 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN049850.D
Acq: 17 Jul 2018 17:00

Tgt Ion: 117 Resp: 209545
Ion Ratio Lower Upper
117 100
119 96.6 77.2 115.8
121 29.5 25.0 37.6

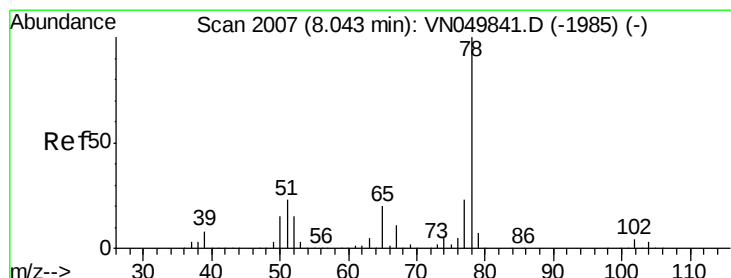
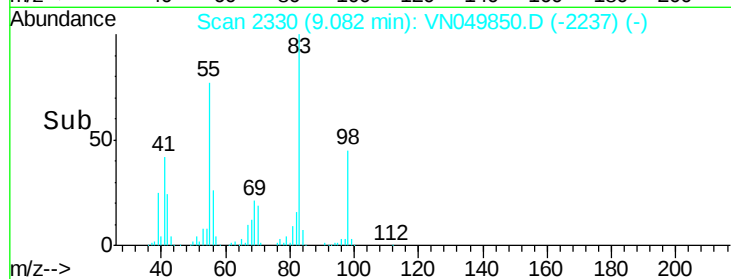
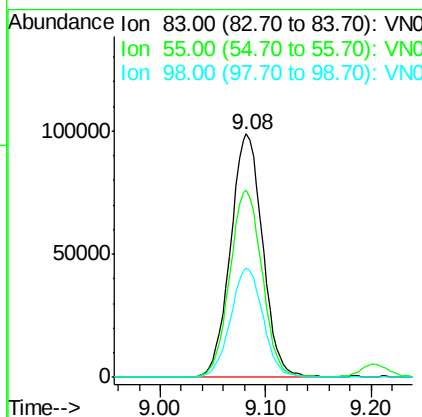
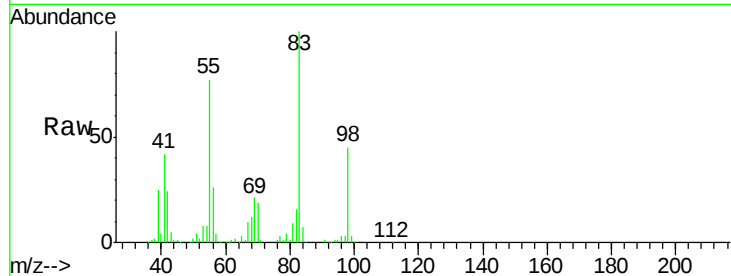




#39
Methvlcvclohexane
Concen: 20.16 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN049850.D
Acq: 17 Jul 2018 17:00

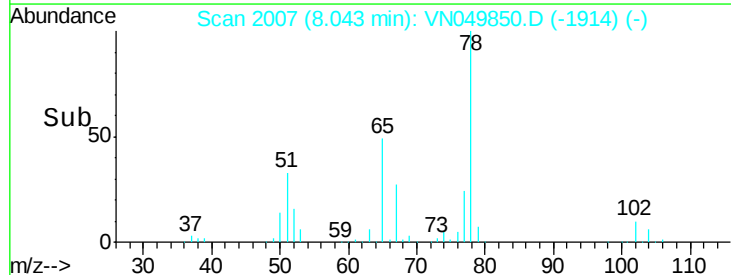
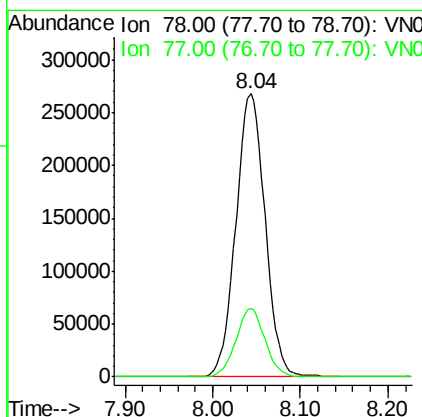
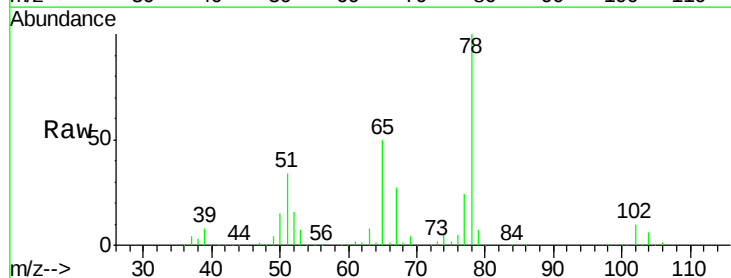
Instrument :
MSVOA_N
ClientSampleId :
VN0717WBS01

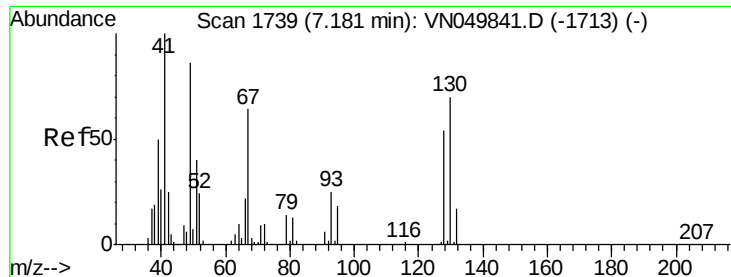
Tot Ion: 83 Resp: 208727
Ion Ratio Lower Upper
83 100
55 76.7 59.7 89.5
98 45.0 36.5 54.7



#40
Benzene
Concen: 20.42 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN049850.D
Acq: 17 Jul 2018 17:00

Tgt Ion: 78 Resp: 622318
Ion Ratio Lower Upper
78 100
77 24.4 19.0 28.4

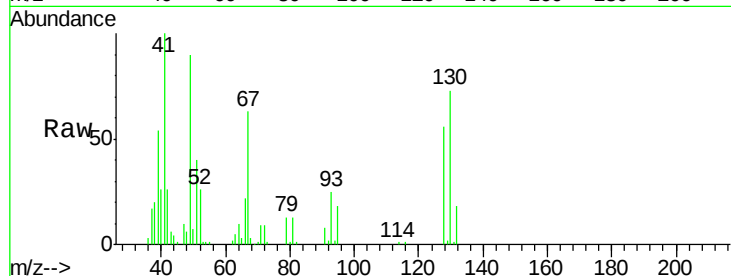




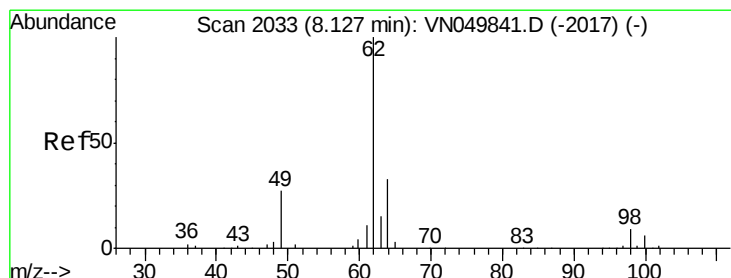
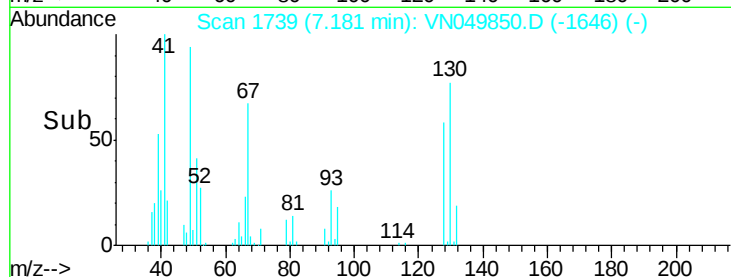
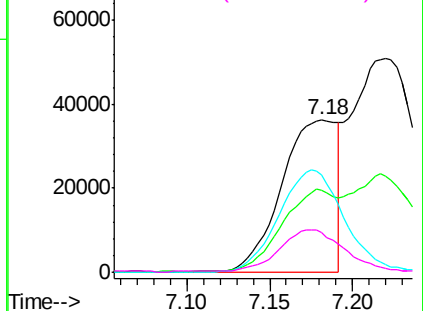
#41
Methacrylonitrile
Concen: 22.01 ug/l
RT: 7.18 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VN049850.D
Acq: 17 Jul 2018 17:00

Instrument :
MSVOA_N
ClientSampleId :
VN0717WBS01

Tot Ion:	41	Resp:	84765
Ion	Ratio	Lower	Upper
41	100		
39	53.0	45.4	68.2
67	79.2	65.4	98.0
52	31.7	24.7	37.1

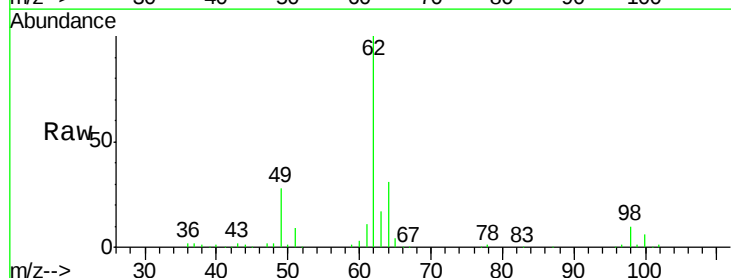


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

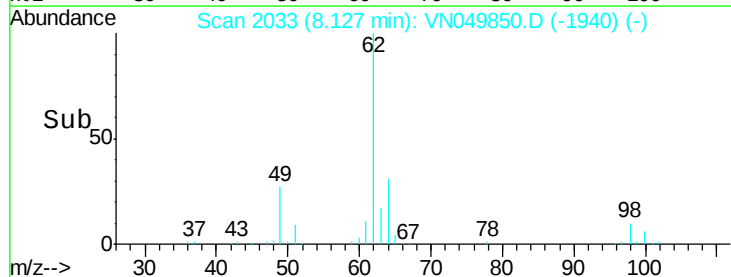
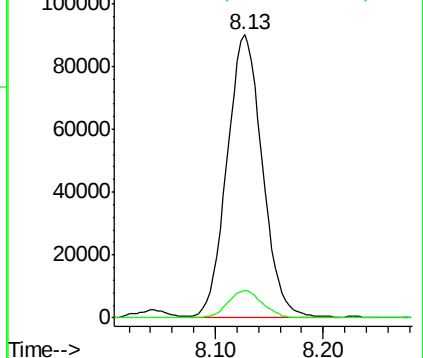


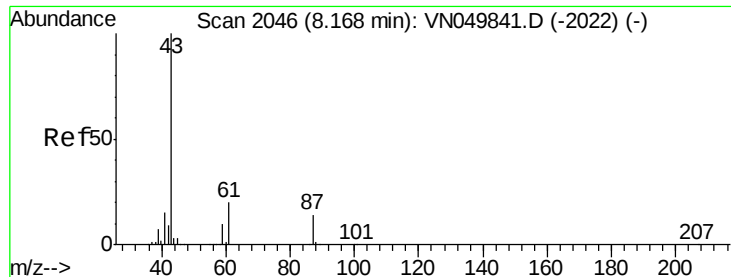
#42
1,2-Dichloroethane
Concen: 19.73 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN049850.D
Acq: 17 Jul 2018 17:00

Tgt Ion:	62	Resp:	204523
Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	19.0



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



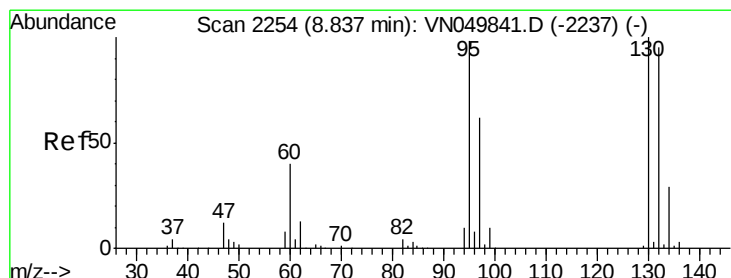
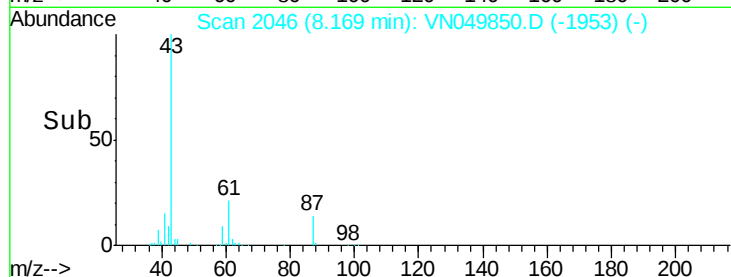
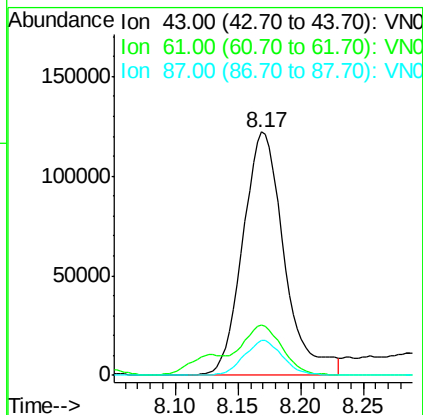
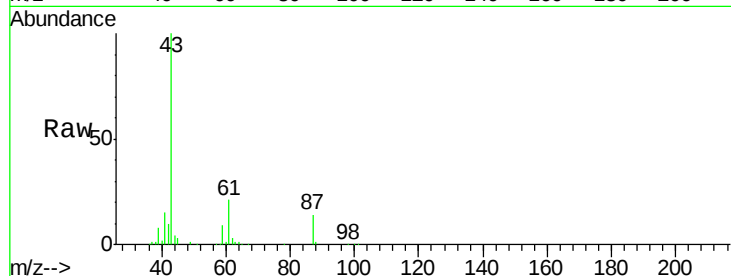


#43

Isopropyl Acetate
 Concen: 21.88 ug/l
 RT: 8.17 min Scan# 2046
 Delta R.T. 0.00 min
 Lab File: VN049850.D
 Acq: 17 Jul 2018 17:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0717WBS01

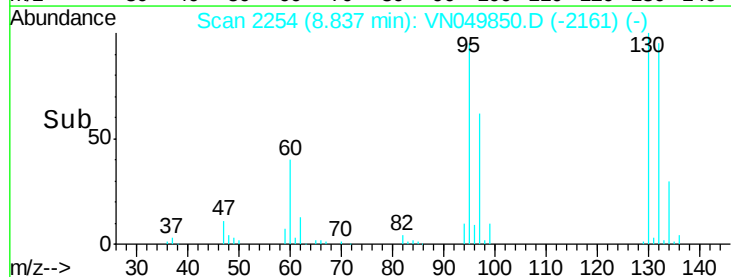
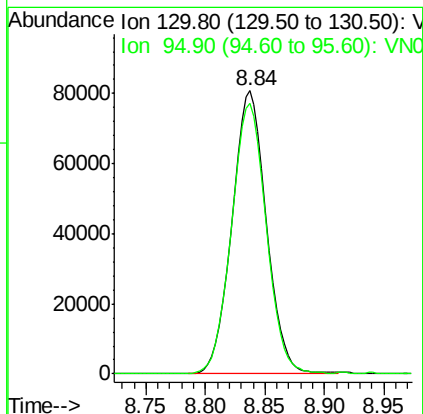
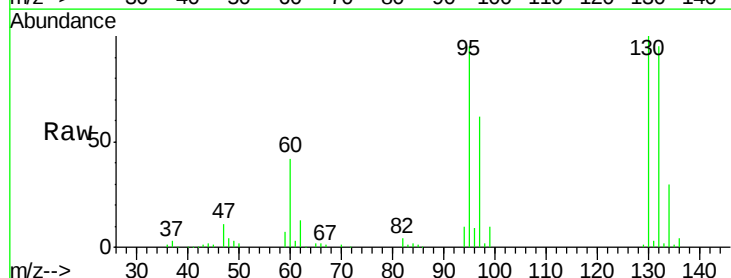
Tot Ion: 43 Resp: 279230
 Ion Ratio Lower Upper
 43 100
 61 19.6 14.9 22.3
 87 13.4 10.0 15.0

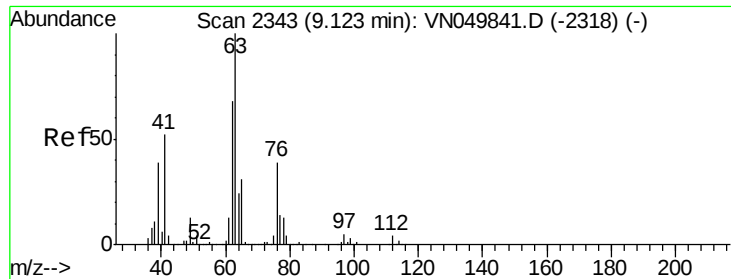


#44

Trichloroethene
 Concen: 20.15 ug/l
 RT: 8.84 min Scan# 2254
 Delta R.T. 0.00 min
 Lab File: VN049850.D
 Acq: 17 Jul 2018 17:00

Tgt Ion: 130 Resp: 161534
 Ion Ratio Lower Upper
 130 100
 95 95.4 0.0 192.8

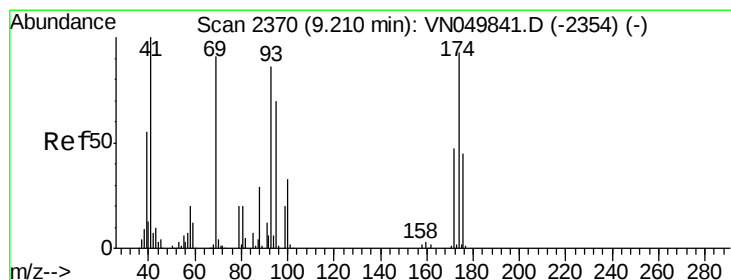
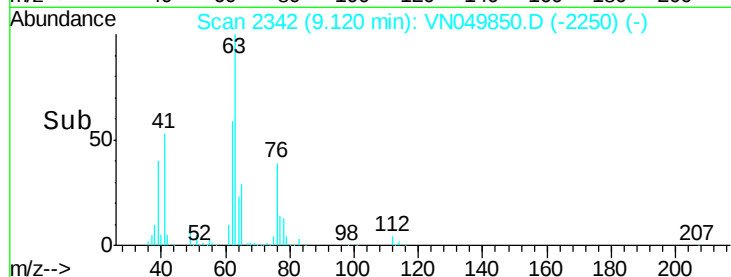
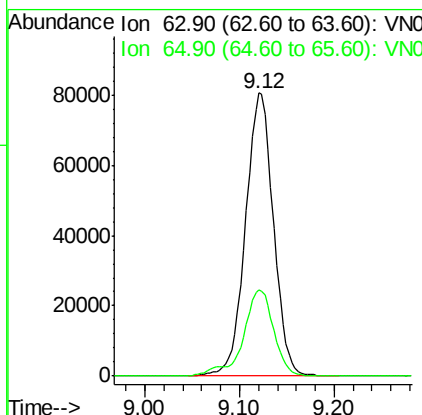
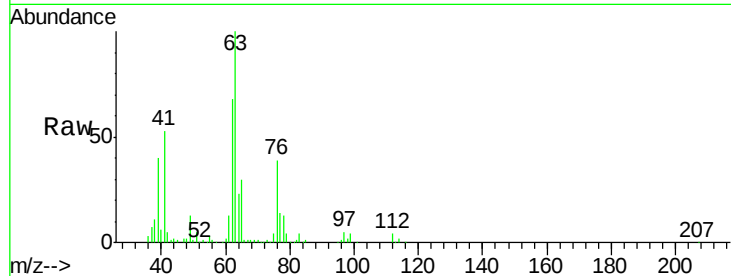




#45
 1,2-Dichloropropane
 Concen: 20.33 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. -0.00 min
 Lab File: VN049850.D
 Acq: 17 Jul 2018 17:00

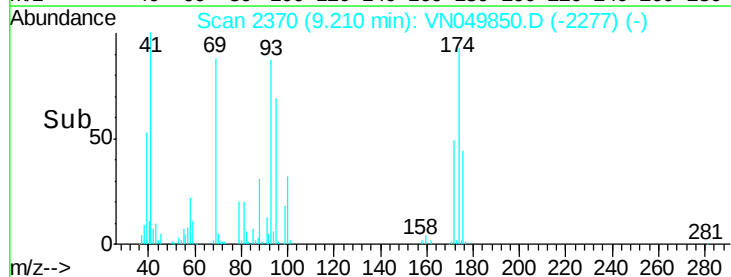
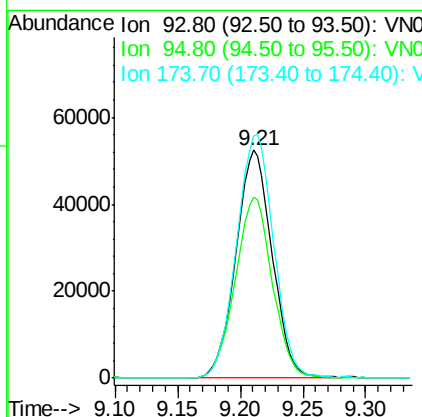
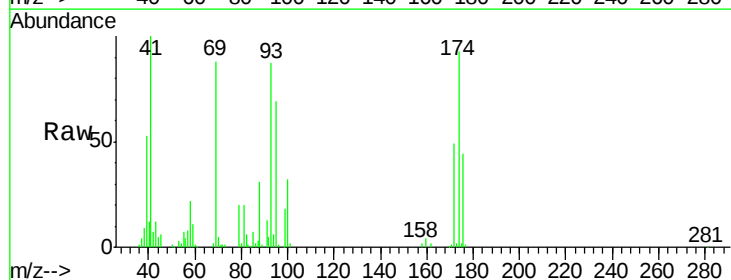
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0717WBS01

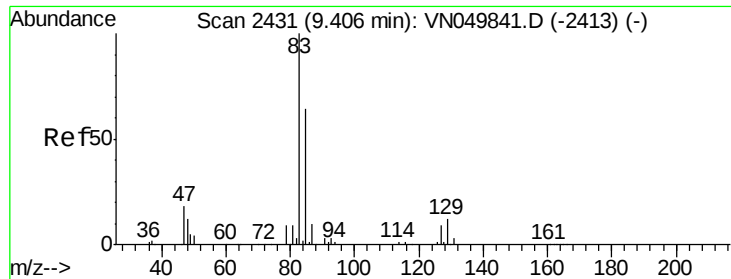
Tot Ion: 63 Resp: 165037
 Ion Ratio Lower Upper
 63 100
 65 30.5 24.7 37.1



#46
 Dibromomethane
 Concen: 20.35 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN049850.D
 Acq: 17 Jul 2018 17:00

Tgt Ion: 93 Resp: 105443
 Ion Ratio Lower Upper
 93 100
 95 80.9 67.9 101.9
 174 109.8 89.4 134.0

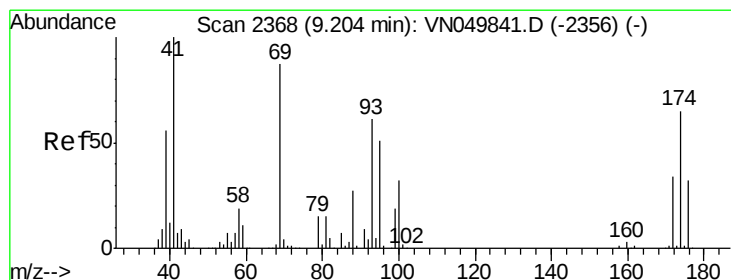
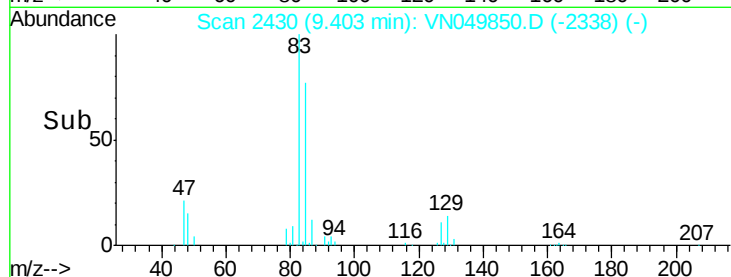
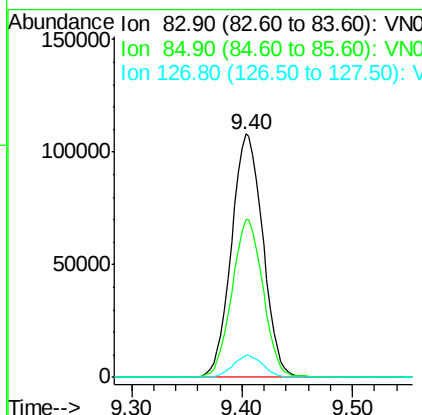
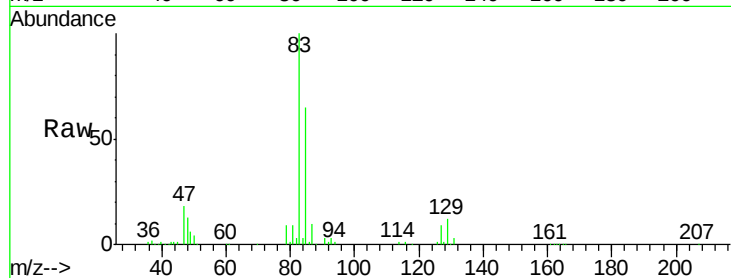




#47
Bromodichloromethane
Concen: 20.26 ug/l
RT: 9.40 min Scan# 2430
Delta R.T. -0.00 min
Lab File: VN049850.D
Acq: 17 Jul 2018 17:00

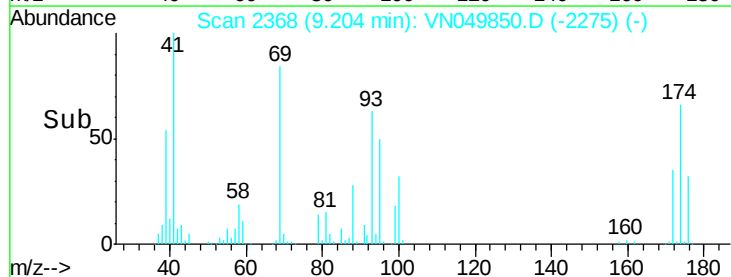
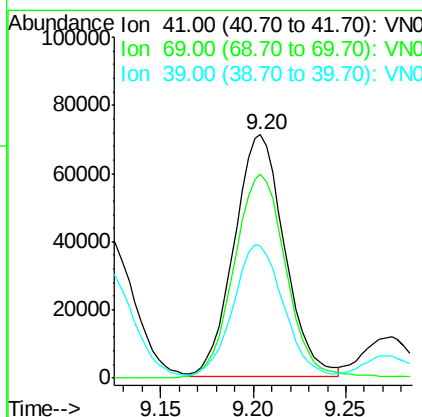
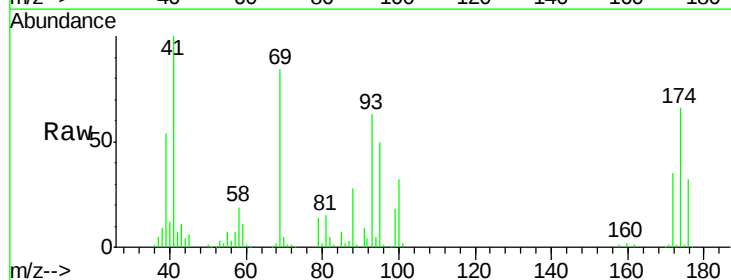
Instrument :
MSVOA_N
ClientSampled :
VN0717WBS01

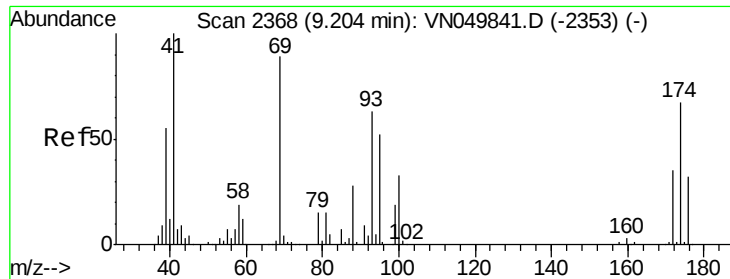
Tot Ion: 83 Resp: 213277
Ion Ratio Lower Upper
83 100
85 64.7 50.5 75.7
127 9.0 6.8 10.2



#48
Methyl methacrylate
Concen: 21.22 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN049850.D
Acq: 17 Jul 2018 17:00

Tgt Ion: 41 Resp: 134253
Ion Ratio Lower Upper
41 100
69 87.2 71.5 107.3
39 55.5 44.7 67.1





#49

1,4-Dioxane

Concen: 447.83 ug/l

RT: 9.20 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN049850.D

Acq: 17 Jul 2018 17:00

Instrument :

MSVOA_N

ClientSampleId :

VN0717WBS01

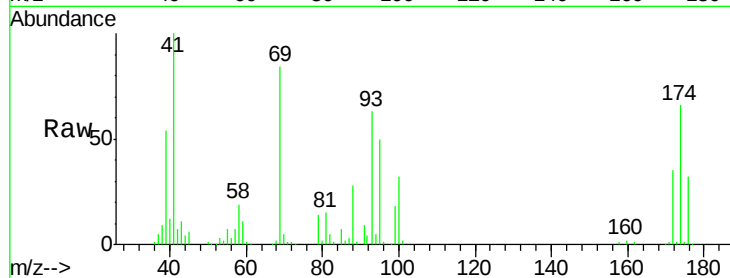
Tot Ion: 88 Resp: 42948

Ion Ratio Lower Upper

88 100

43 33.2 25.1 37.7

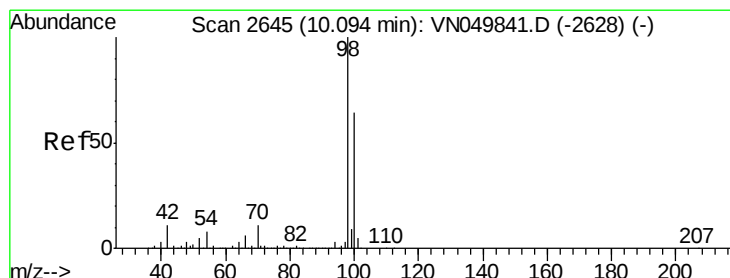
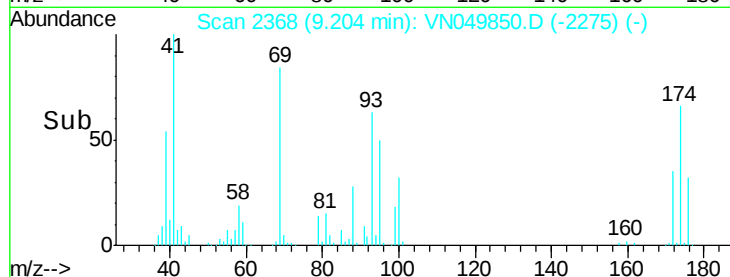
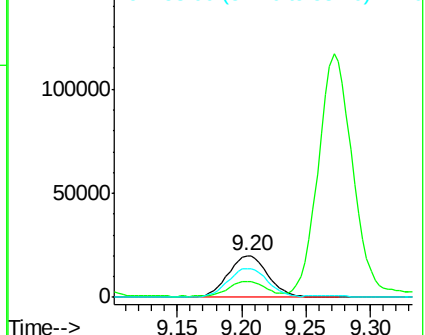
58 69.4 52.5 78.7



Abundance Ion 88.00 (87.70 to 88.70): VN049841.D (-2353) (-)

Ion 43.00 (42.70 to 43.70): VN049841.D (-2353) (-)

Ion 58.00 (57.70 to 58.70): VN049841.D (-2353) (-)



#50

Toluene-d8

Concen: 52.70 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VN049850.D

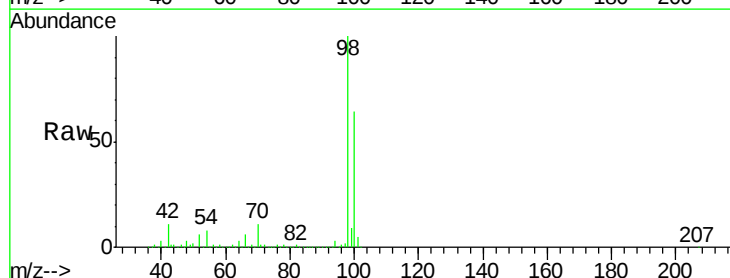
Acq: 17 Jul 2018 17:00

Tgt Ion: 98 Resp: 1458350

Ion Ratio Lower Upper

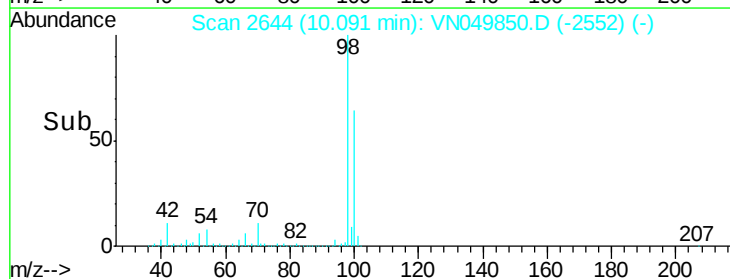
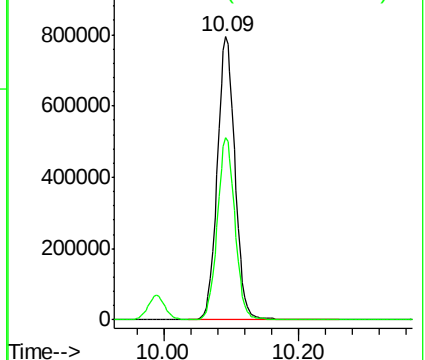
98 100

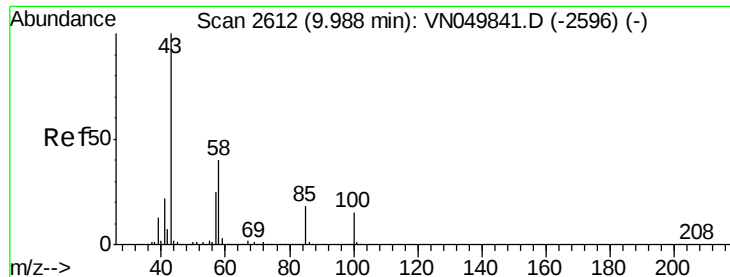
100 64.0 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN049841.D (-2628) (-)

Ion 100.00 (99.70 to 100.70): VN049841.D (-2628) (-)

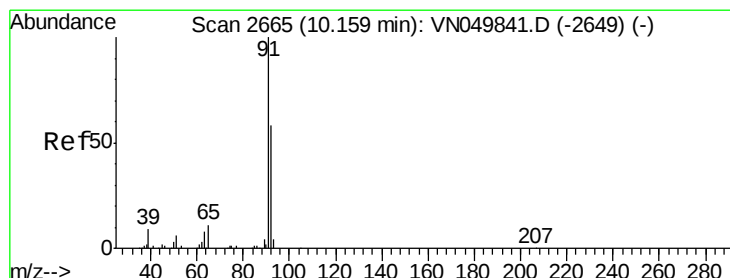
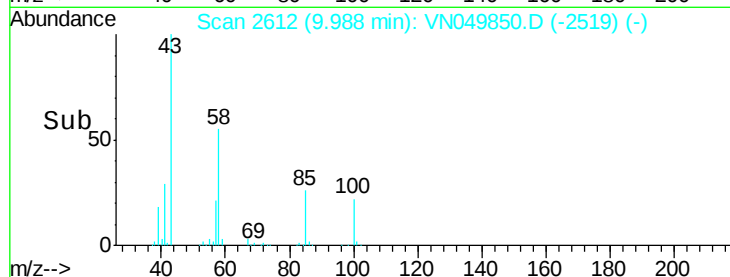
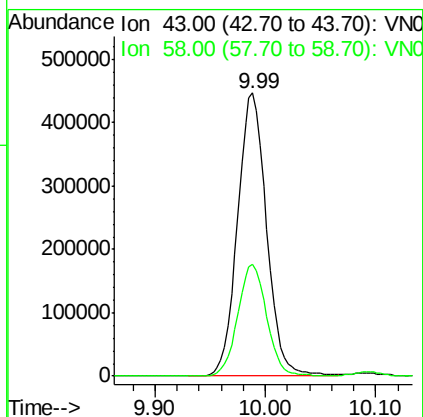
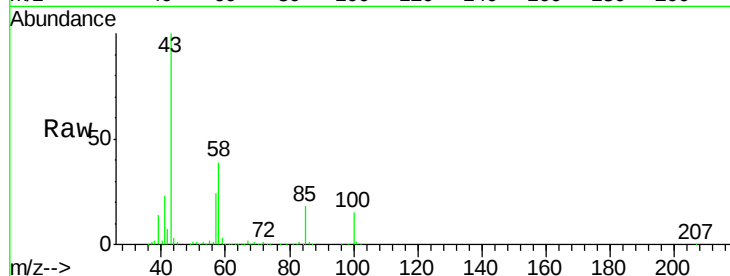




#51
 4-Methyl-2-Pentanone
 Concen: 108.48 ug/l
 RT: 9.99 min Scan# 2612
 Delta R.T. 0.00 min
 Lab File: VN049850.D
 Acq: 17 Jul 2018 17:00

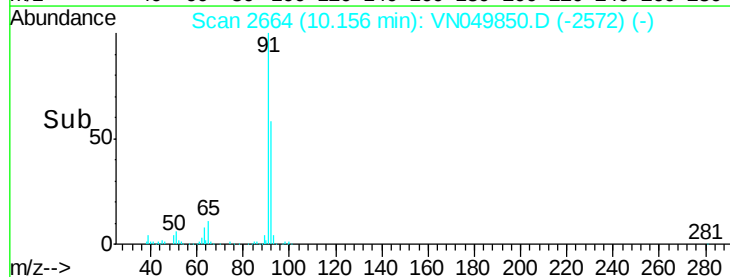
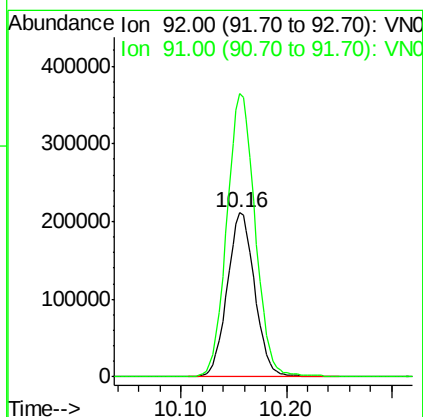
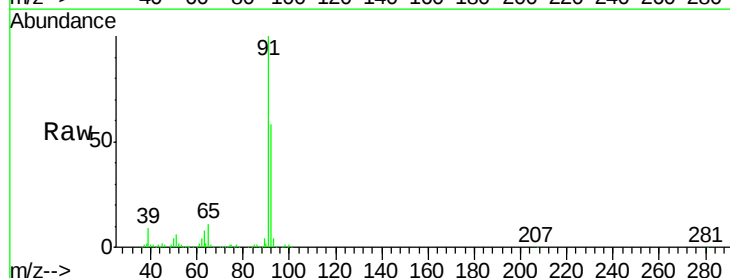
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0717WBS01

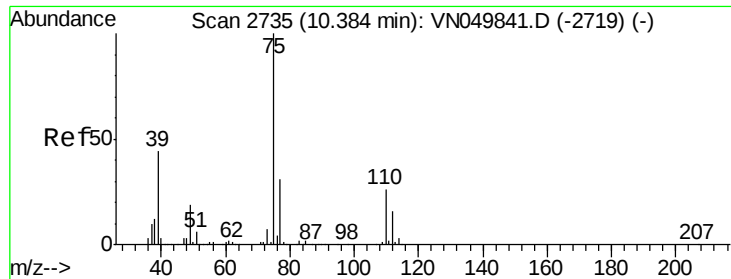
Tot Ion: 43 Resp: 814125
 Ion Ratio Lower Upper
 43 100
 58 39.5 31.8 47.8



#52
 Toluene
 Concen: 20.88 ug/l
 RT: 10.16 min Scan# 2664
 Delta R.T. -0.00 min
 Lab File: VN049850.D
 Acq: 17 Jul 2018 17:00

Tgt Ion: 92 Resp: 381322
 Ion Ratio Lower Upper
 92 100
 91 177.4 140.1 210.1

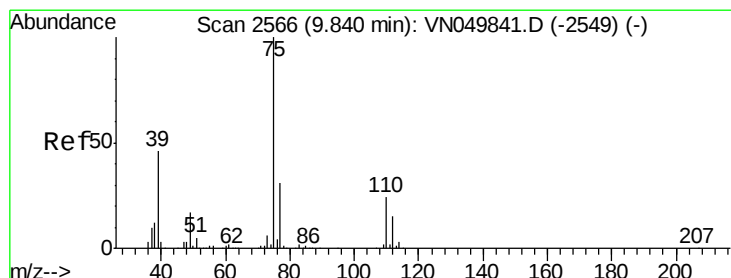
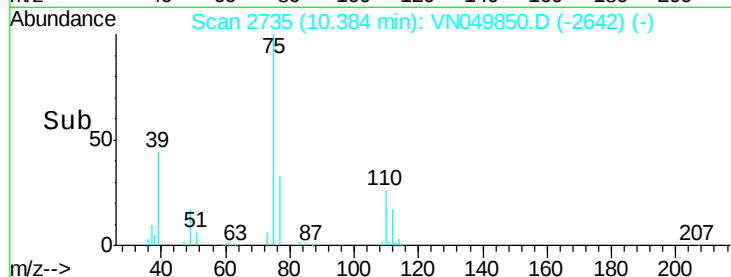
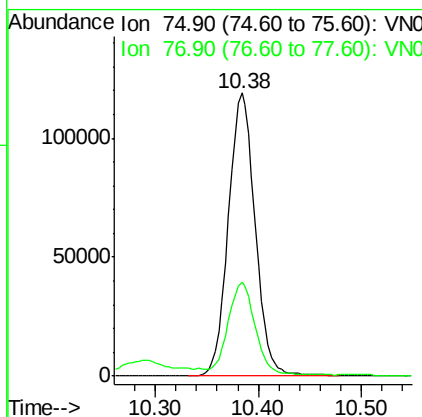
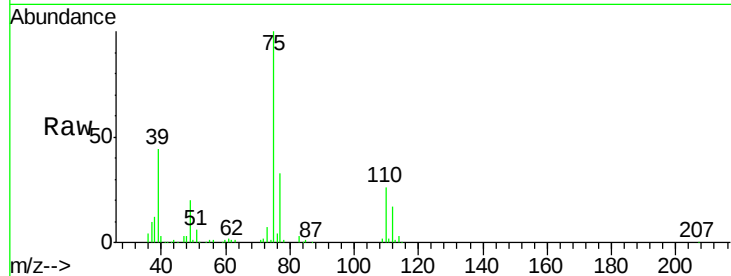




#53
 t-1,3-Dichloropropene
 Concen: 20.98 ug/l
 RT: 10.38 min Scan# 2735
 Delta R.T. 0.00 min
 Lab File: VN049850.D
 Acq: 17 Jul 2018 17:00

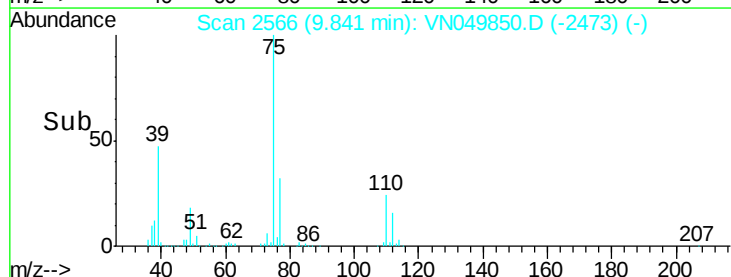
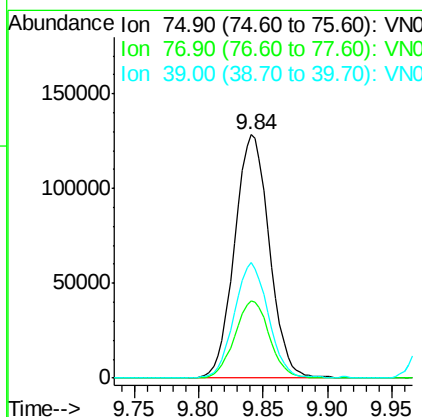
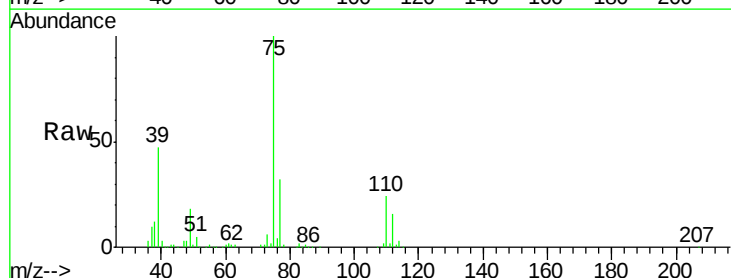
Instrument :
 MSVOA_N
 ClientSampled :
 VN0717WBS01

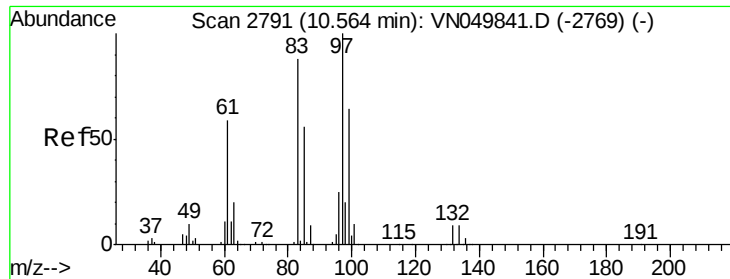
Tot Ion: 75 Resp: 215633
 Ion Ratio Lower Upper
 75 100
 77 32.7 25.2 37.8



#54
 cis-1,3-Dichloropropene
 Concen: 20.89 ug/l
 RT: 9.84 min Scan# 2566
 Delta R.T. 0.00 min
 Lab File: VN049850.D
 Acq: 17 Jul 2018 17:00

Tgt Ion: 75 Resp: 241051
 Ion Ratio Lower Upper
 75 100
 77 31.9 25.3 37.9
 39 47.1 35.5 53.3



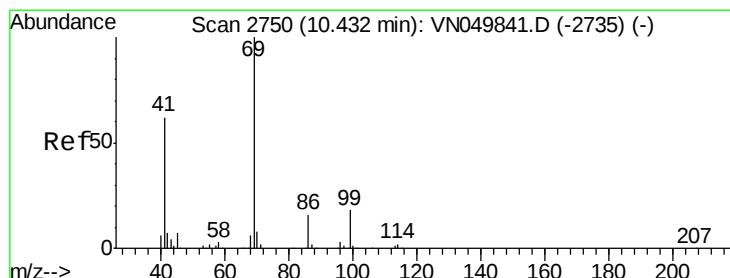
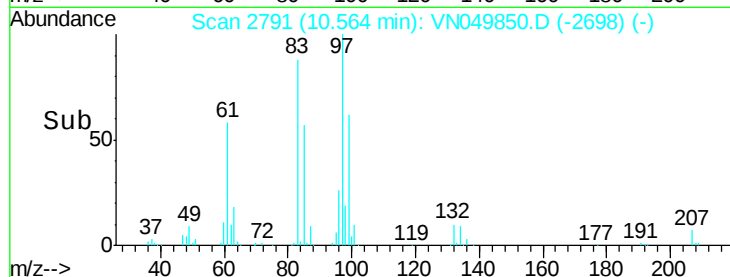
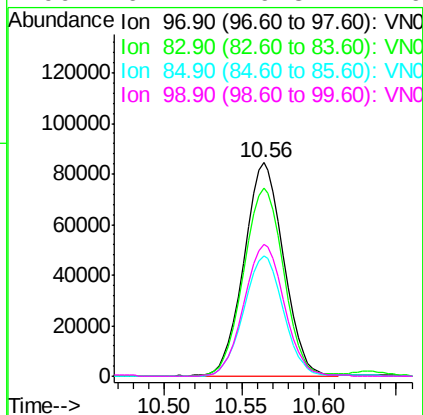
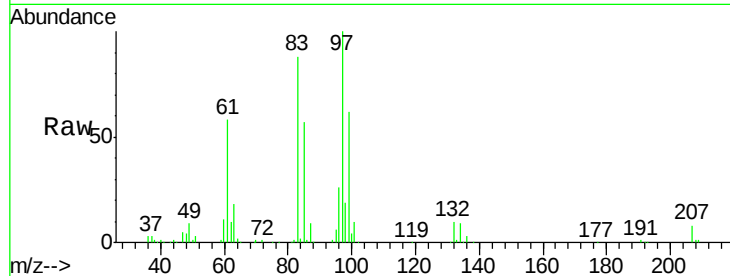


#55
 1,1,2-Trichloroethane
 Concen: 19.98 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN049850.D
 Acq: 17 Jul 2018 17:00

Instrument :
 MSVOA_N
 ClientSampled :
 VN0717WBS01

Tot Ion: 97 Resp: 149744

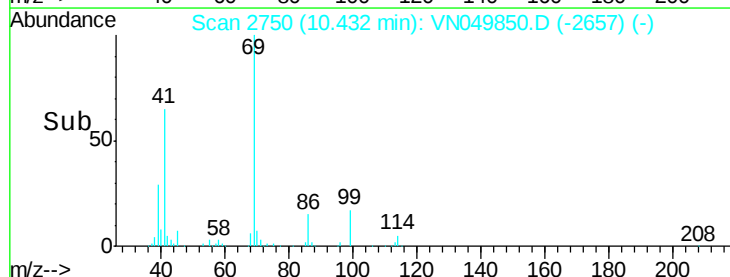
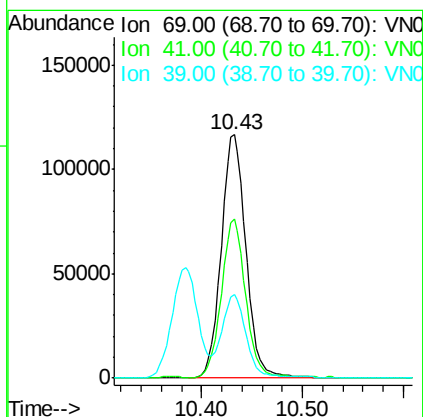
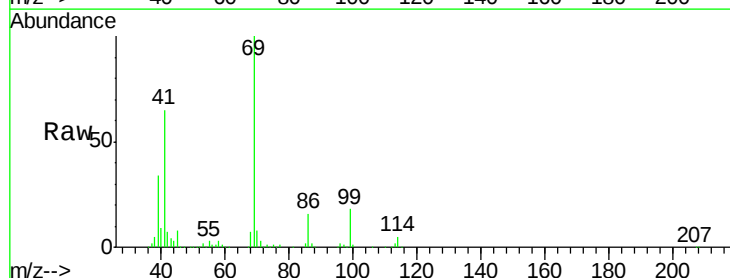
Ion	Ratio	Lower	Upper
97	100		
83	88.3	69.0	103.6
85	56.8	44.9	67.3
99	62.1	49.8	74.6

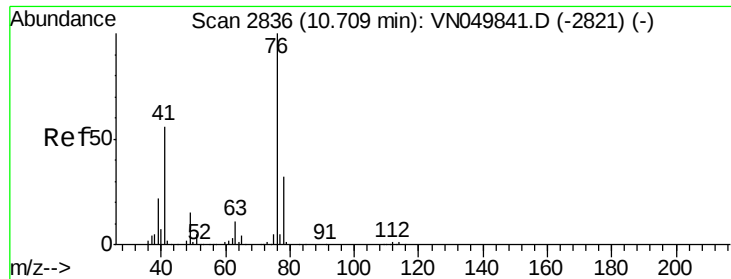


#56
 Ethyl methacrylate
 Concen: 22.04 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN049850.D
 Acq: 17 Jul 2018 17:00

Tgt Ion: 69 Resp: 200123

Ion	Ratio	Lower	Upper
69	100		
41	63.1	51.6	77.4
39	32.7	25.8	38.8

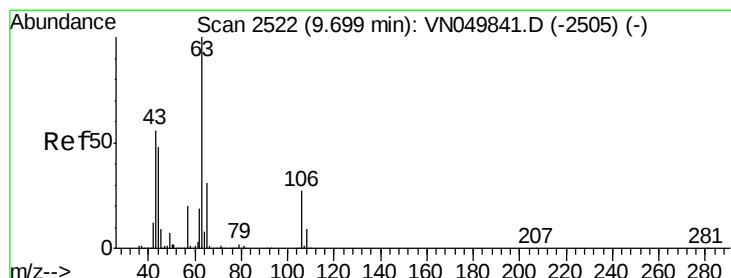
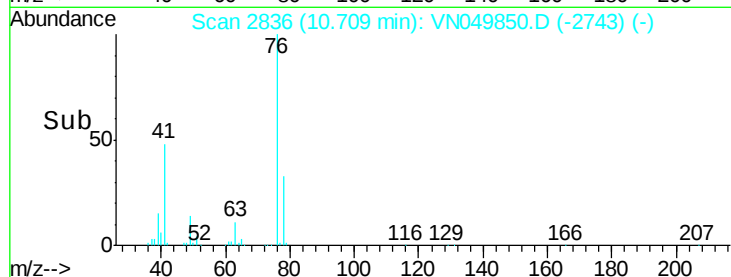
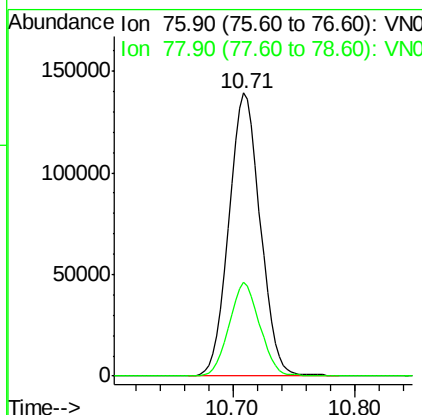
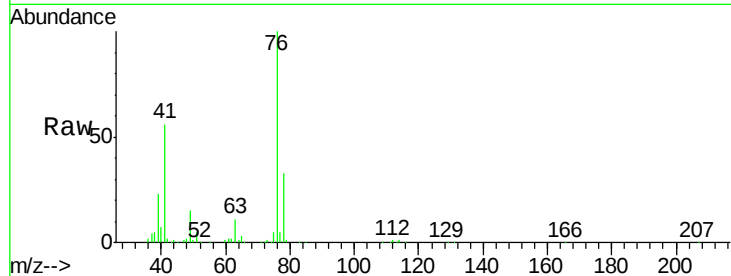




#57
 1,3-Dichloropropane
 Concen: 20.57 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. 0.00 min
 Lab File: VN049850.D
 Acq: 17 Jul 2018 17:00

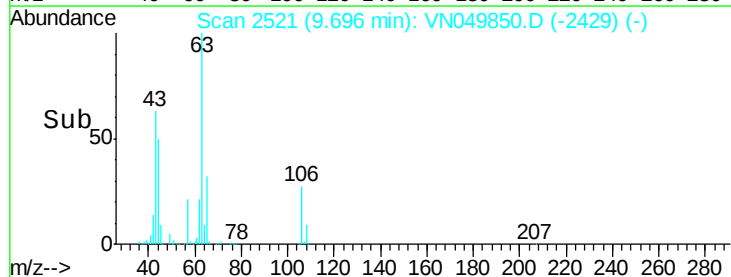
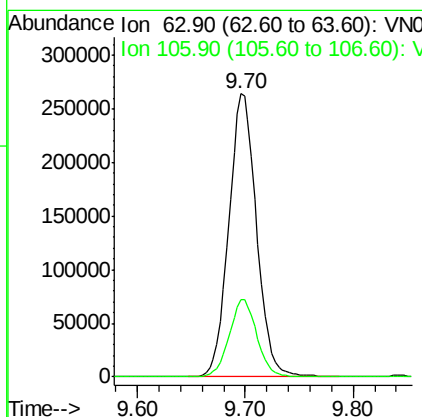
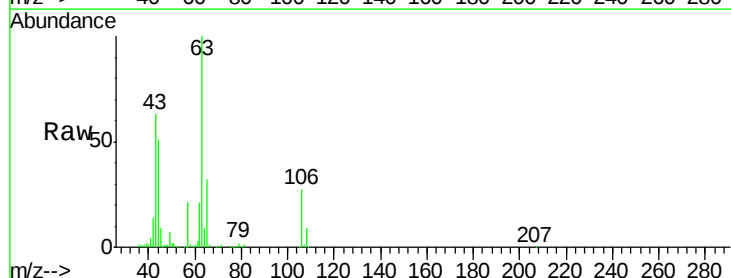
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0717WBS01

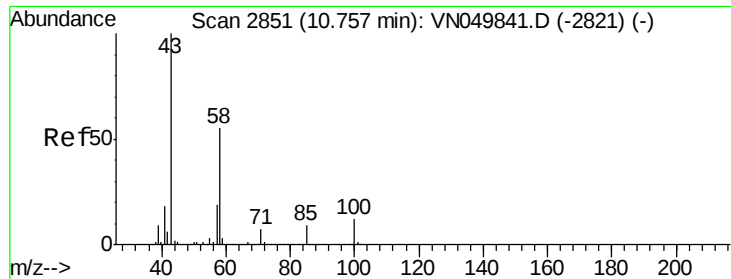
Tot Ion: 76 Resp: 249741
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.8 38.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 110.46 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. -0.00 min
 Lab File: VN049850.D
 Acq: 17 Jul 2018 17:00

Tgt Ion: 63 Resp: 473352
 Ion Ratio Lower Upper
 63 100
 106 27.2 21.8 32.8

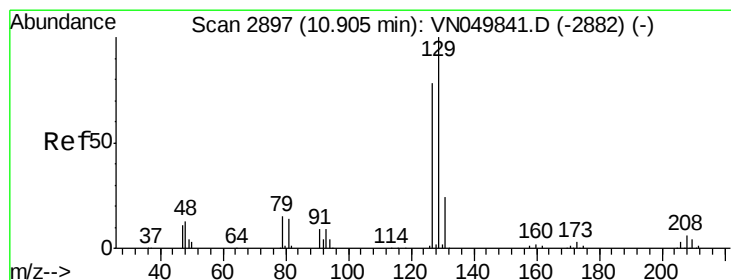
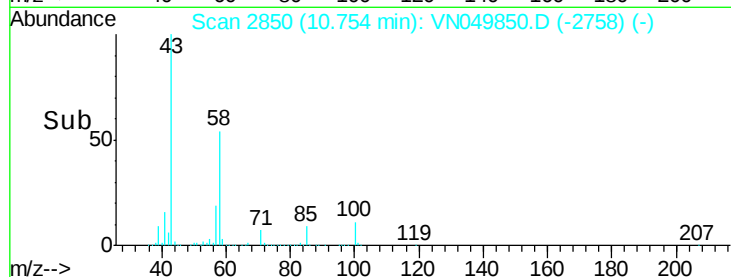
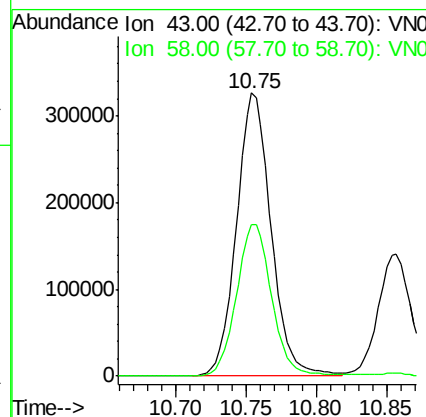
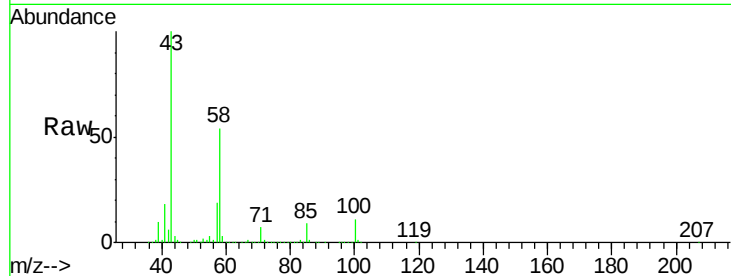




#59
2-Hexanone
Concen: 108.50 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. -0.00 min
Lab File: VN049850.D
Acq: 17 Jul 2018 17:00

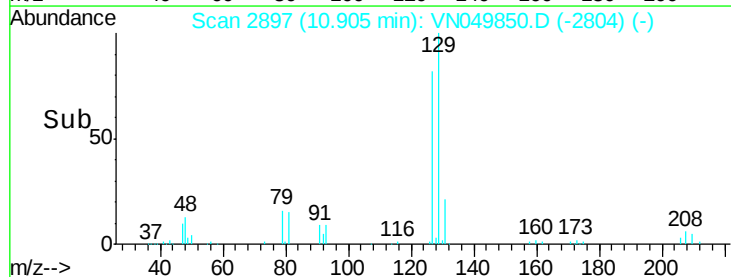
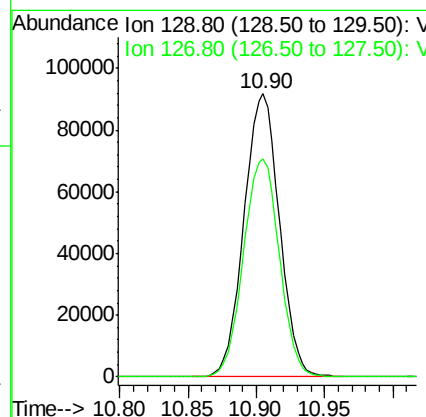
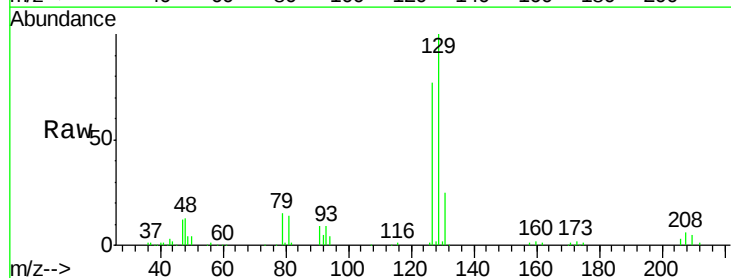
Instrument :
MSVOA_N
ClientSampleId :
VN0717WBS01

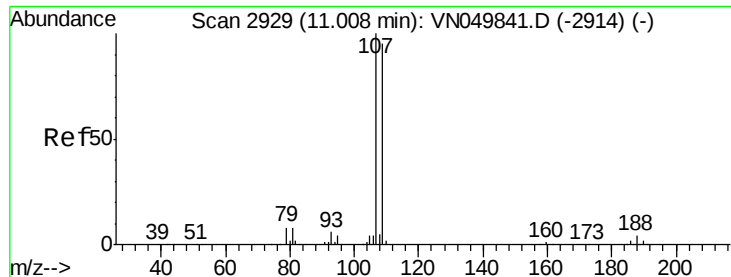
Tot Ion: 43 Resp: 558282
Ion Ratio Lower Upper
43 100
58 54.9 27.8 83.4



#60
Dibromochloromethane
Concen: 19.85 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VN049850.D
Acq: 17 Jul 2018 17:00

Tgt Ion: 129 Resp: 165631
Ion Ratio Lower Upper
129 100
127 78.2 38.3 114.9

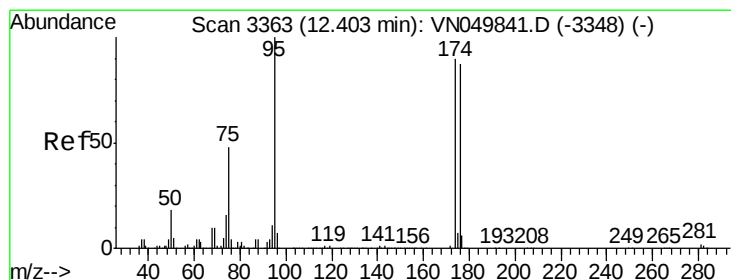
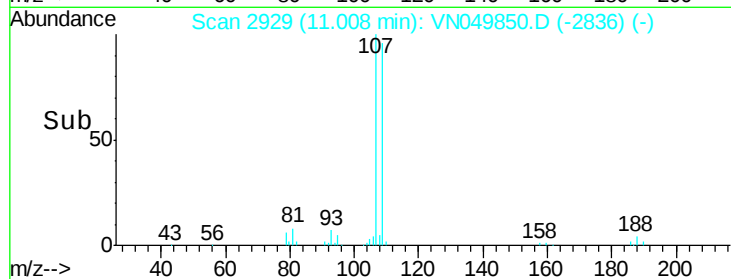
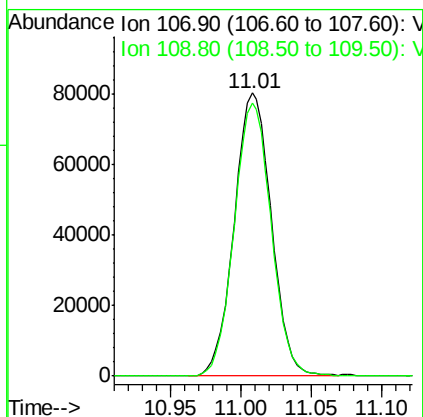
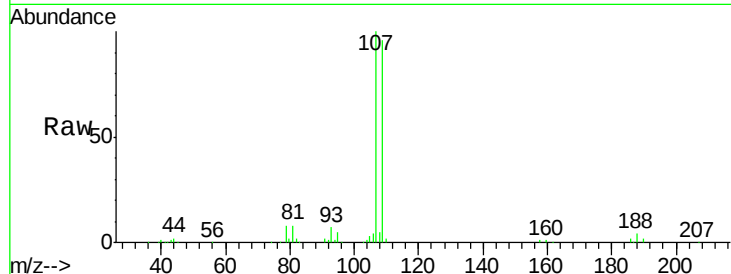




#61
 1,2-Dibromoethane
 Concen: 20.17 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. 0.00 min
 Lab File: VN049850.D
 Acq: 17 Jul 2018 17:00

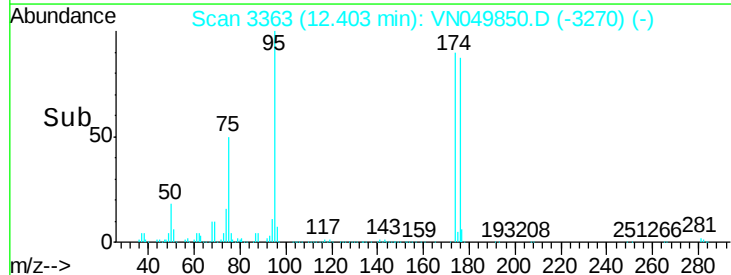
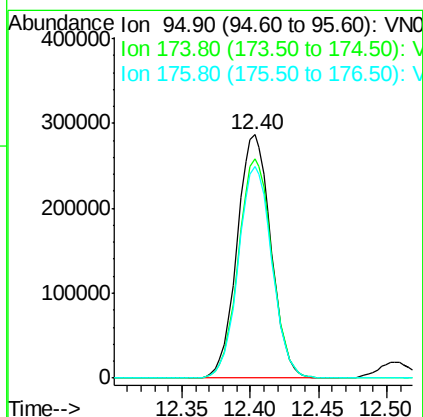
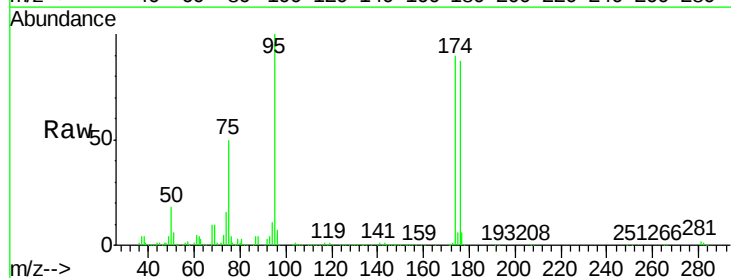
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0717WBS01

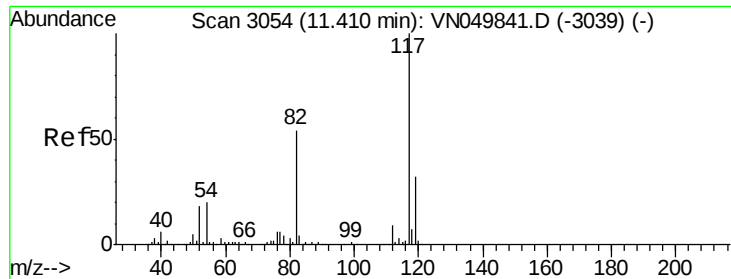
Tot Ion: 107 Resp: 148158
 Ion Ratio Lower Upper
 107 100
 109 96.3 75.0 112.6



#62
 4-Bromofluorobenzene
 Concen: 53.17 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN049850.D
 Acq: 17 Jul 2018 17:00

Tgt Ion: 95 Resp: 492774
 Ion Ratio Lower Upper
 95 100
 174 89.6 0.0 179.6
 176 86.4 0.0 174.0

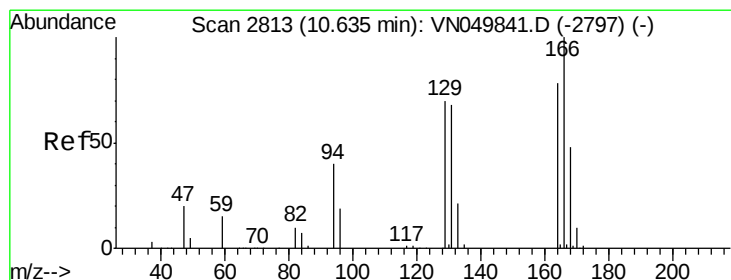
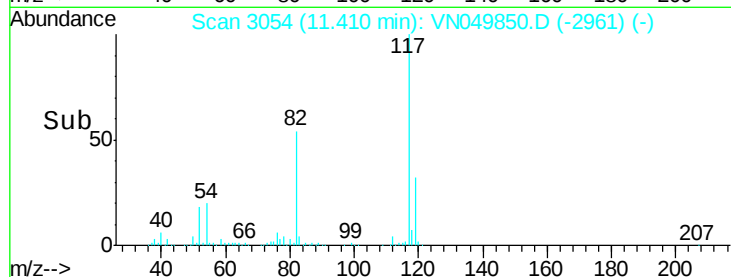
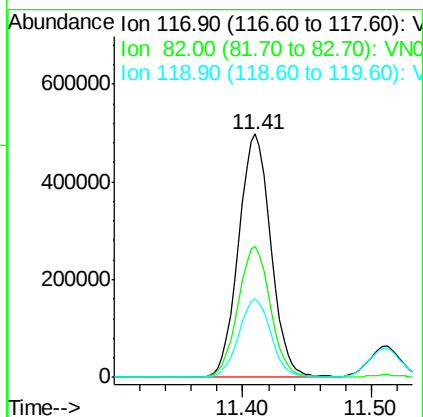
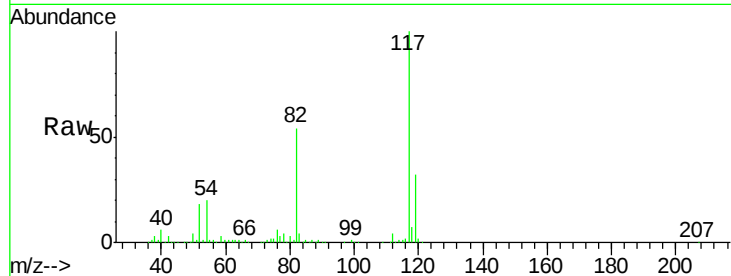




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN049850.D
Acq: 17 Jul 2018 17:00

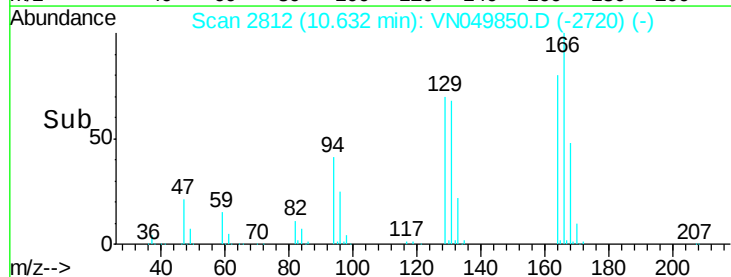
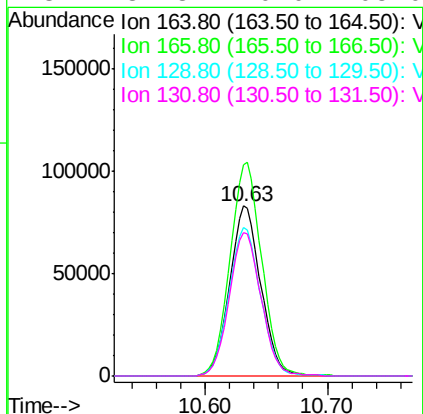
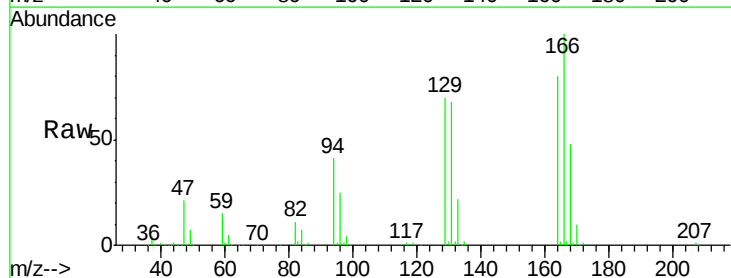
Instrument :
MSVOA_N
ClientSampleId :
VN0717WBS01

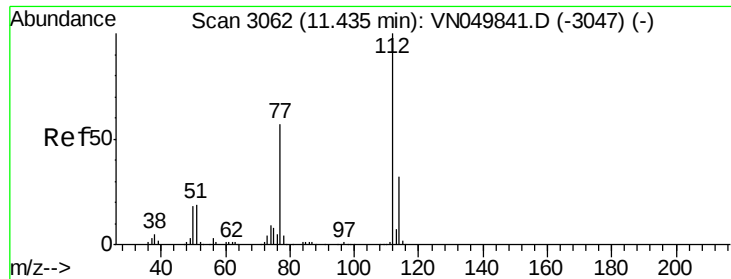
Tot Ion:117 Resp: 869332
Ion Ratio Lower Upper
117 100
82 53.9 41.9 62.9
119 32.4 25.4 38.2



#64
Tetrachloroethene
Concen: 19.94 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. -0.00 min
Lab File: VN049850.D
Acq: 17 Jul 2018 17:00

Tgt Ion:164 Resp: 147441
Ion Ratio Lower Upper
164 100
166 124.5 101.8 152.6
129 87.7 72.8 109.2
131 84.8 70.0 105.0





#65

Chlorobenzene

Concen: 20.09 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN049850.D

Acq: 17 Jul 2018 17:00

Instrument :

MSVOA_N

ClientSampled :

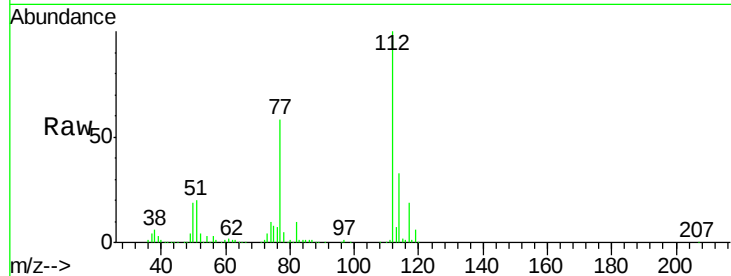
VN0717WBS01

Tot Ion:112 Resp: 414049

Ion Ratio Lower Upper

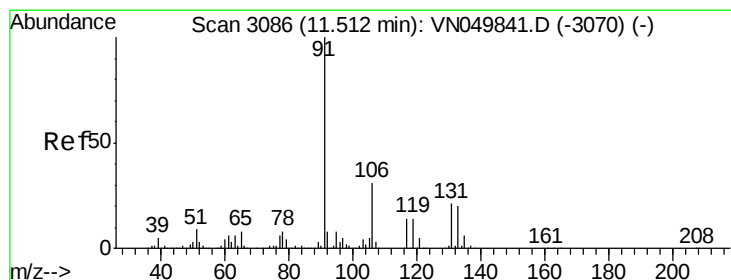
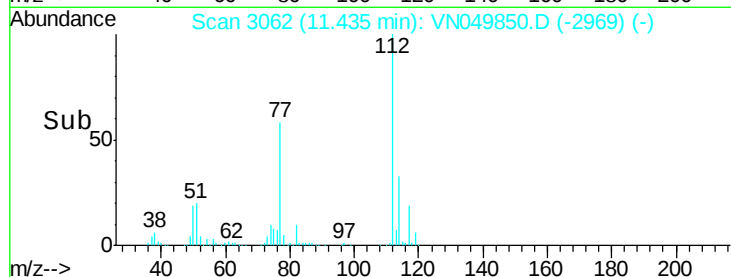
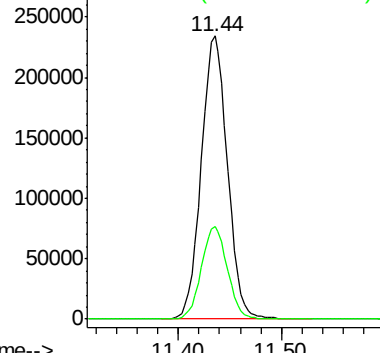
112 100

114 32.7 25.4 38.0



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.82 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN049850.D

Acq: 17 Jul 2018 17:00

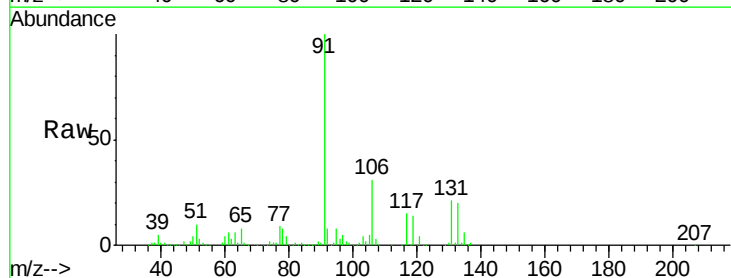
Tgt Ion:131 Resp: 156837

Ion Ratio Lower Upper

131 100

133 95.8 47.5 142.6

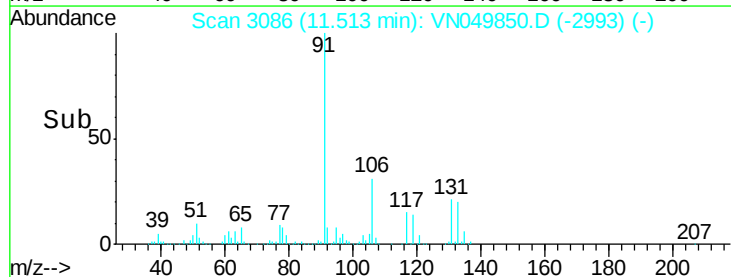
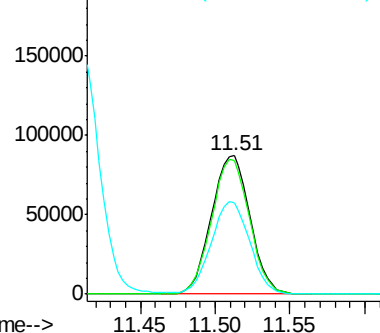
119 66.8 33.1 99.3

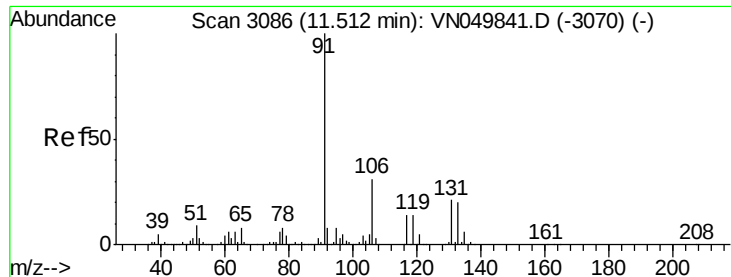


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

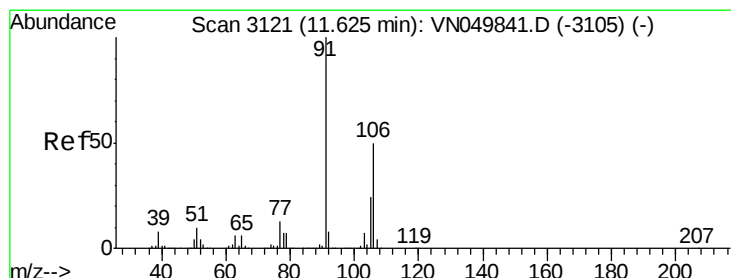
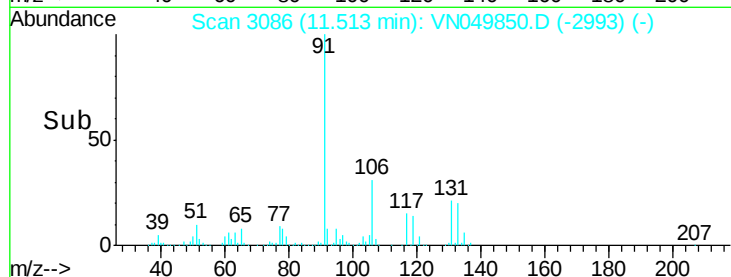
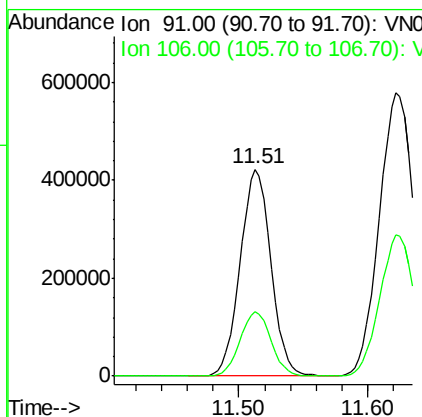
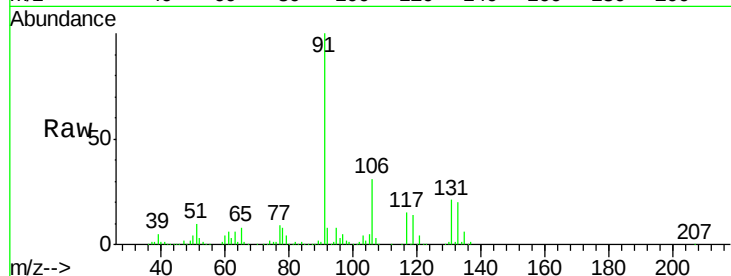




#67
Ethyl Benzene
Concen: 21.20 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN049850.D
Acq: 17 Jul 2018 17:00

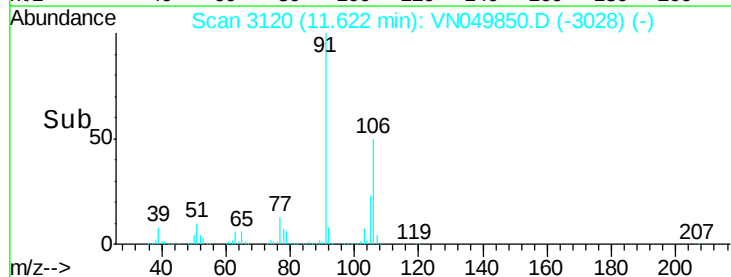
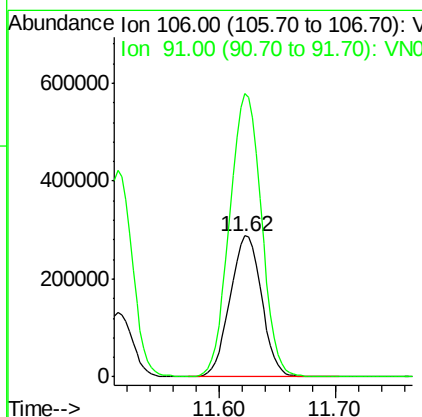
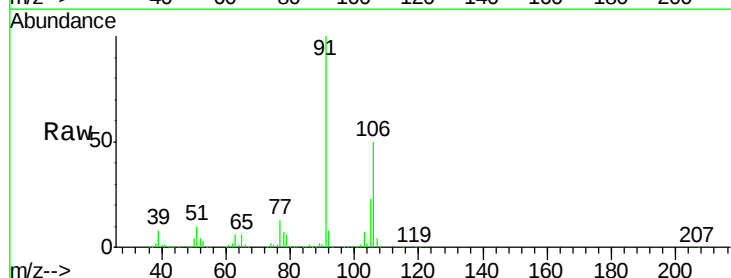
Instrument :
MSVOA_N
ClientSampled :
VN0717WBS01

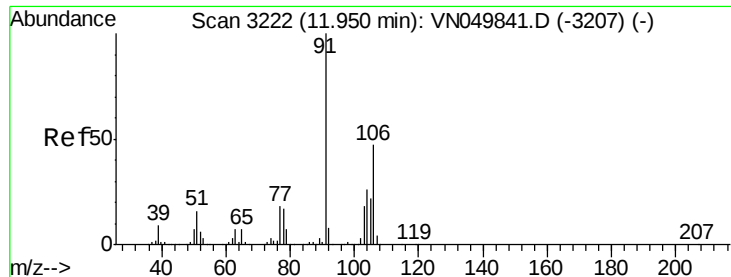
Tot Ion: 91 Resp: 702463
Ion Ratio Lower Upper
91 100
106 31.0 24.8 37.2



#68
m/p-Xylenes
Concen: 43.33 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. -0.00 min
Lab File: VN049850.D
Acq: 17 Jul 2018 17:00

Tgt Ion: 106 Resp: 544722
Ion Ratio Lower Upper
106 100
91 201.7 163.4 245.2

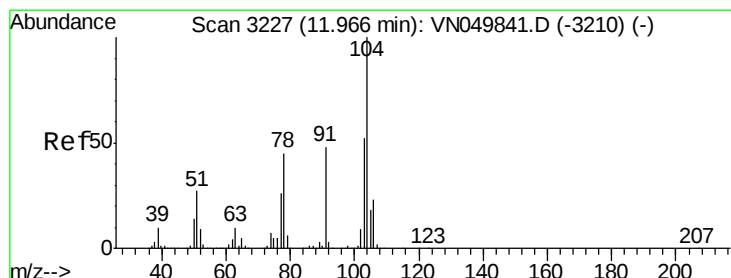
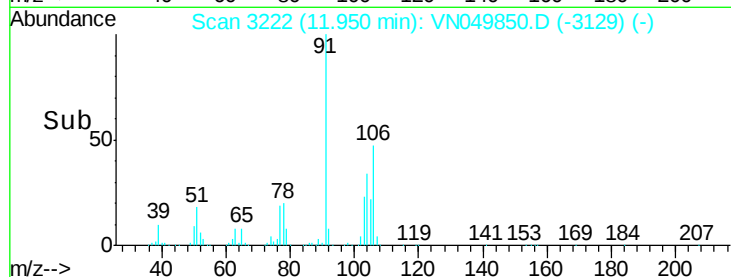
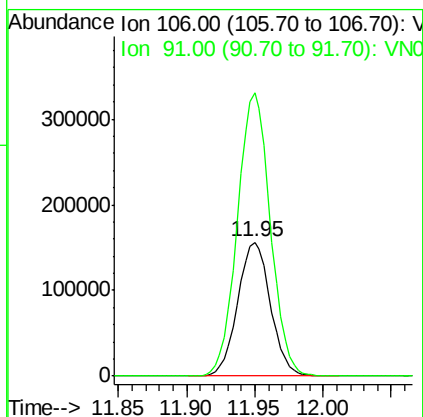
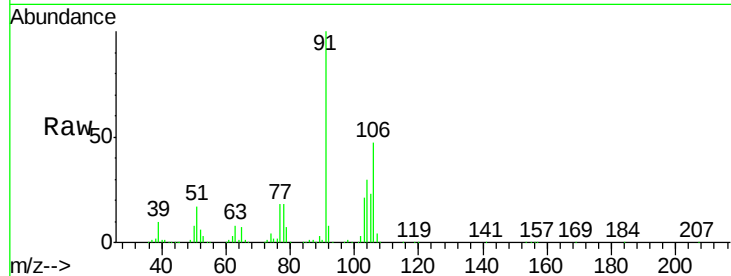




#69
o-Xylene
Concen: 21.76 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN049850.D
Acq: 17 Jul 2018 17:00

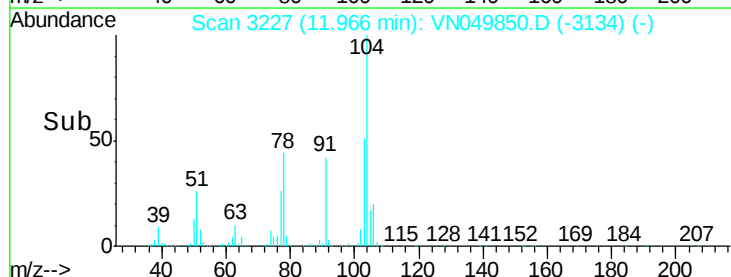
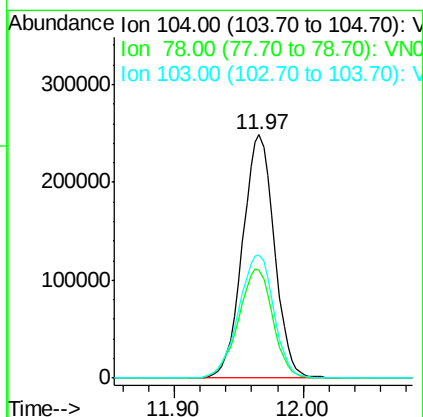
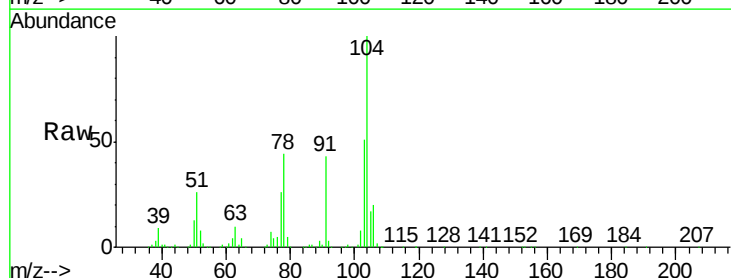
Instrument :
MSVOA_N
ClientSampleId :
VN0717WBS01

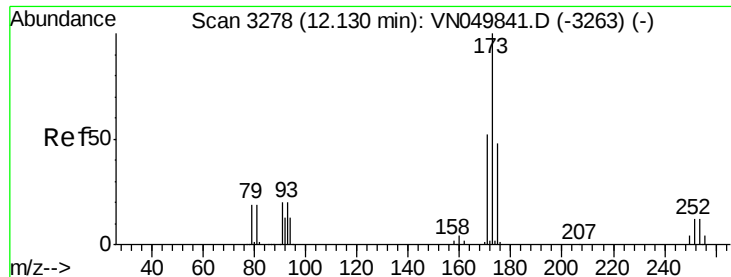
Tot Ion:106 Resp: 260875
Ion Ratio Lower Upper
106 100
91 212.5 108.7 326.1



#70
Styrene
Concen: 22.05 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN049850.D
Acq: 17 Jul 2018 17:00

Tgt Ion:104 Resp: 428441
Ion Ratio Lower Upper
104 100
78 48.5 39.2 58.8
103 55.8 44.6 67.0





#71

Bromoform

Concen: 19.52 ug/l

RT: 12.13 min Scan# 3277

Delta R.T. -0.00 min

Lab File: VN049850.D

Acq: 17 Jul 2018 17:00

Instrument :

MSVOA_N

ClientSampleId :

VN0717WBS01

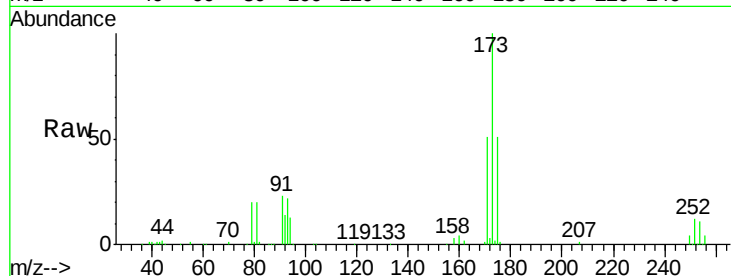
Tot Ion:173 Resp: 118941

Ion Ratio Lower Upper

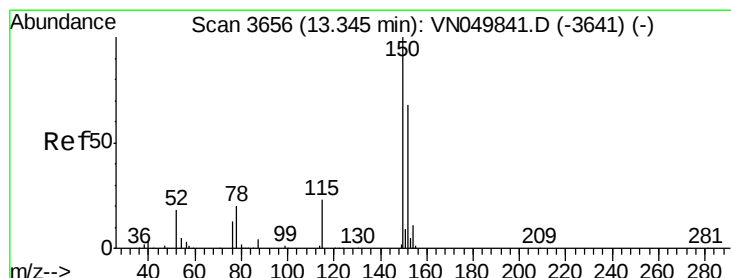
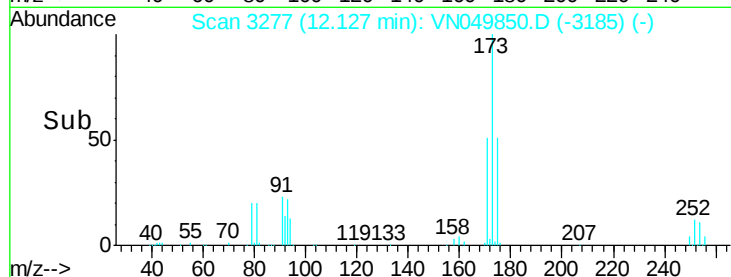
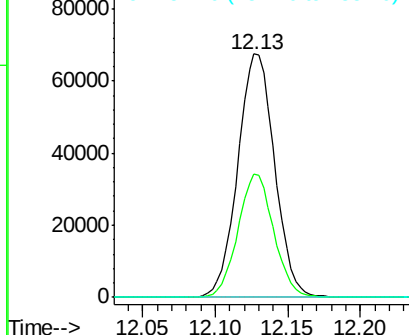
173 100

175 49.3 24.6 73.8

254 0.1 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: VN049850.D

Acq: 17 Jul 2018 17:00

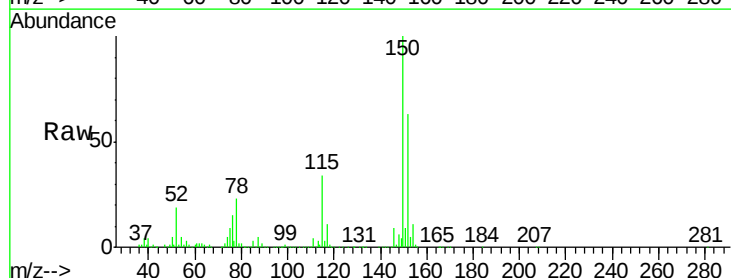
Tgt Ion:152 Resp: 450123

Ion Ratio Lower Upper

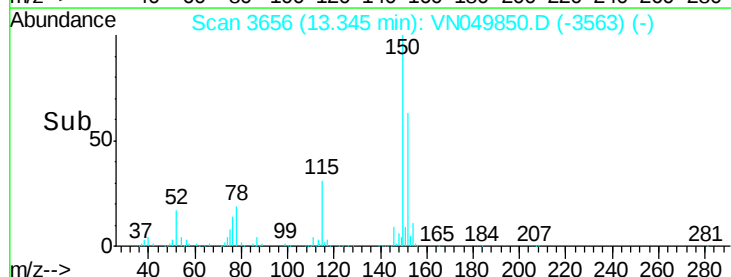
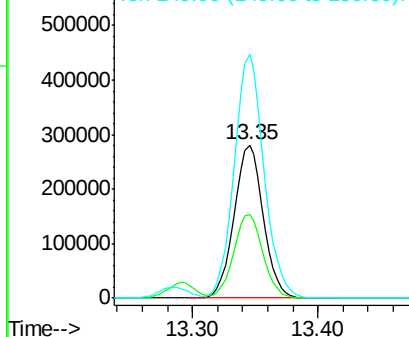
152 100

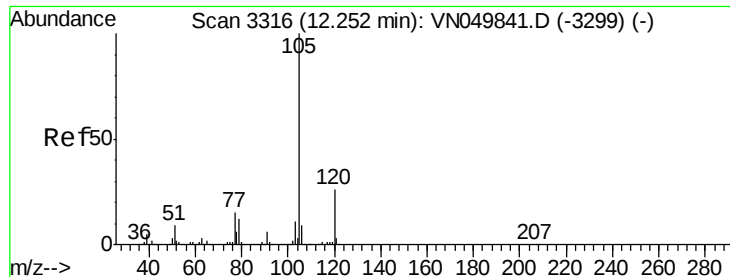
115 54.8 28.1 84.2

150 163.7 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: 21.30 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. -0.00 min

Lab File: VN049850.D

Acq: 17 Jul 2018 17:00

Instrument :

MSVOA_N

ClientSampleId :

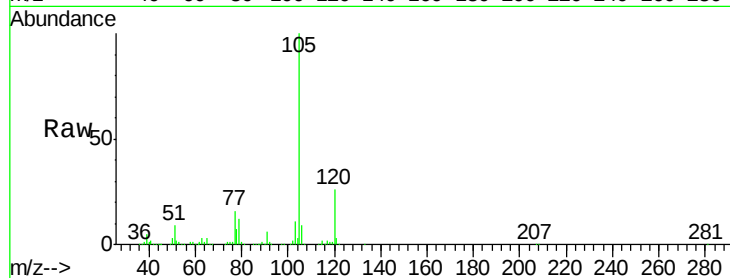
VN0717WBS01

Tot Ion:105 Resp: 694215

Ion Ratio Lower Upper

105 100

120 26.6 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

400000

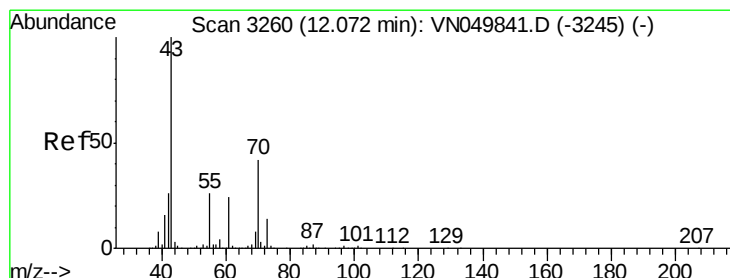
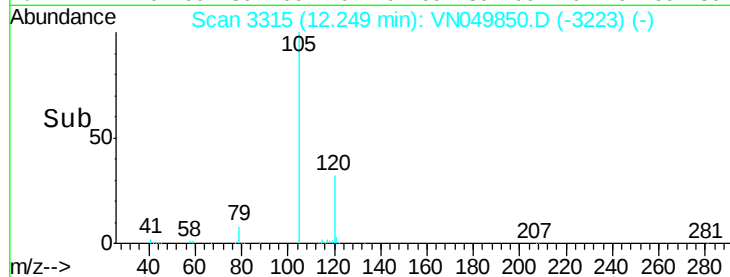
300000

200000

100000

0

Time--> 12.15 12.20 12.25 12.30



#74

N-ethyl acetate

Concen: 21.28 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN049850.D

Acq: 17 Jul 2018 17:00

Tgt Ion: 43 Resp: 229179

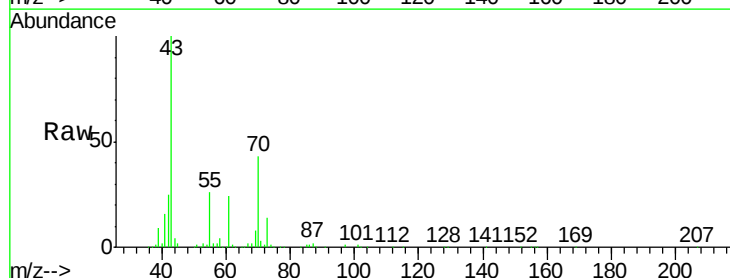
Ion Ratio Lower Upper

43 100

70 42.7 34.8 52.2

55 26.6 20.9 31.3

61 24.2 19.9 29.9



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

12.07

200000

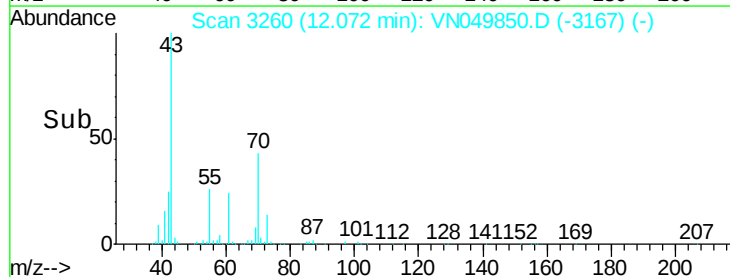
150000

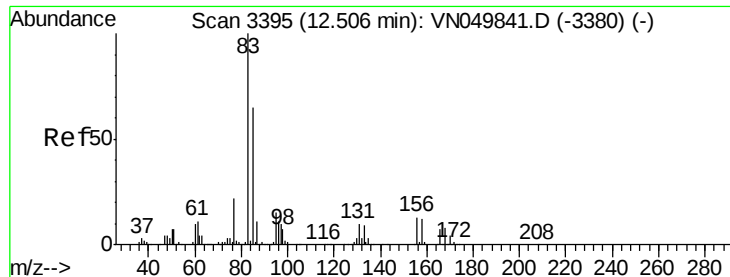
100000

50000

0

Time--> 12.00 12.10 12.20





#75

1,1,2,2-Tetrachloroethane

Concen: 19.66 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN049850.D

Acq: 17 Jul 2018 17:00

Instrument :

MSVOA_N

ClientSampleId :

VN0717WBS01

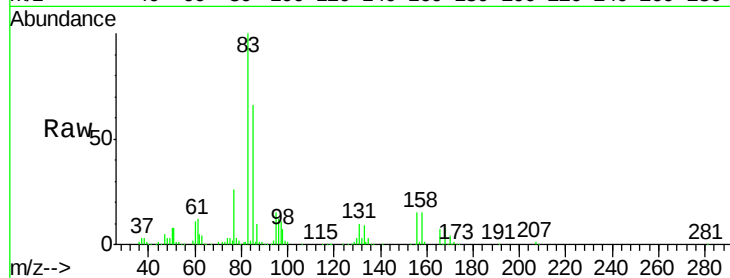
Tot Ion: 83 Resp: 205496

Ion Ratio Lower Upper

83 100

131 10.5 5.2 15.6

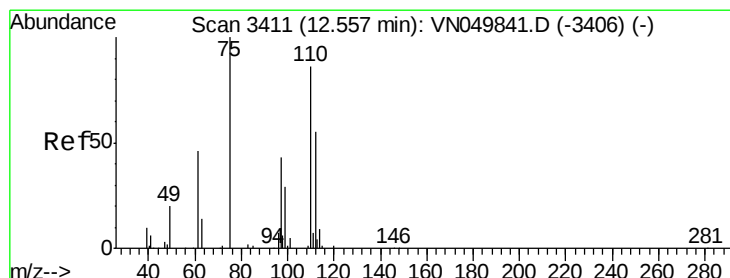
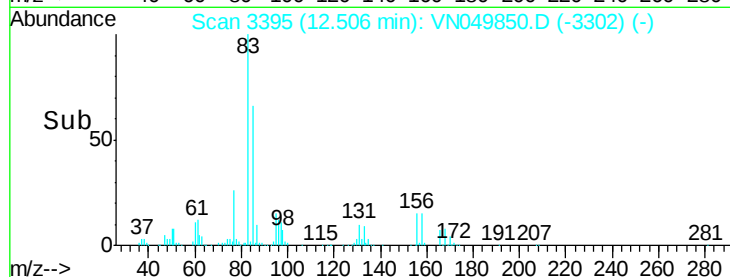
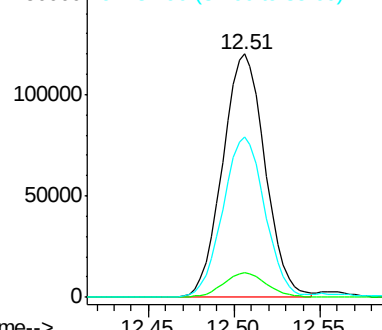
85 65.2 32.5 97.4



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: 28.16 ug/l

RT: 12.55 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN049850.D

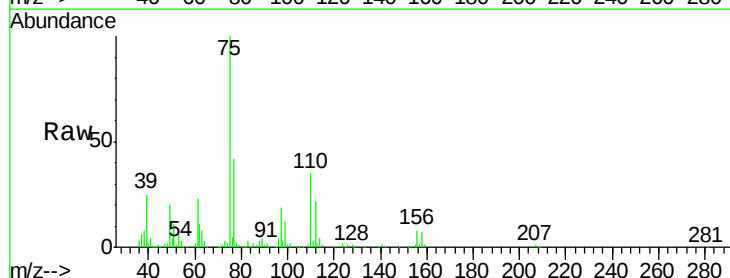
Acq: 17 Jul 2018 17:00

Tgt Ion: 75 Resp: 248029

Ion Ratio Lower Upper

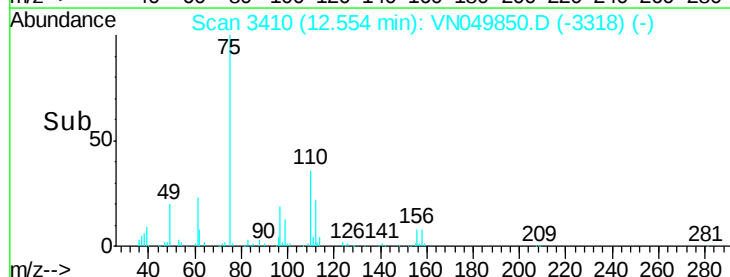
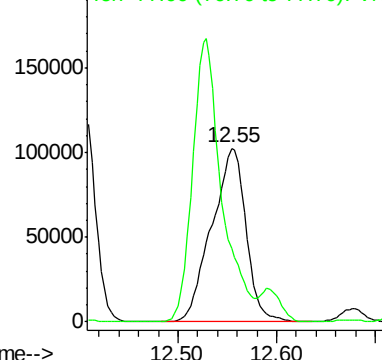
75 100

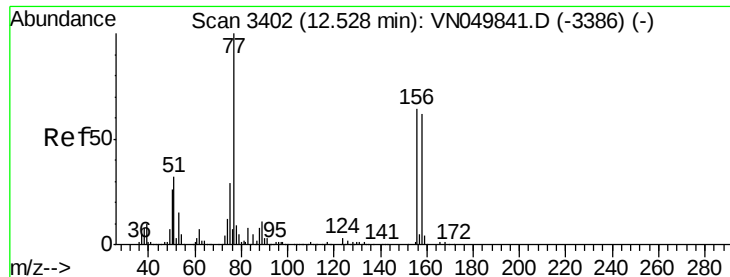
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 20.96 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN049850.D

Acq: 17 Jul 2018 17:00

Instrument :

MSVOA_N

ClientSampleId :

VN0717WBS01

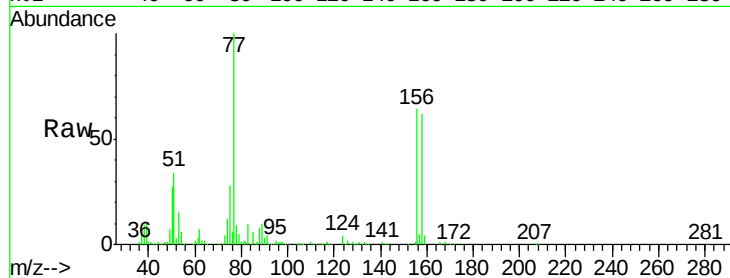
Tot Ion:156 Resp: 187312

Ion Ratio Lower Upper

156 100

77 184.5 90.2 270.6

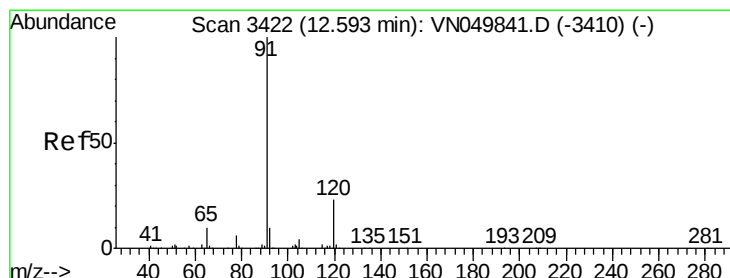
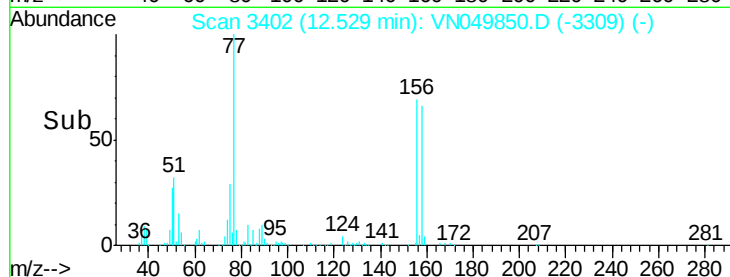
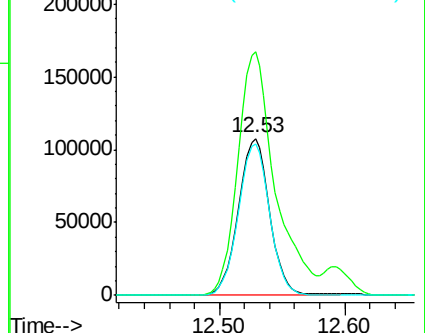
158 95.8 49.1 147.3



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: 21.58 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN049850.D

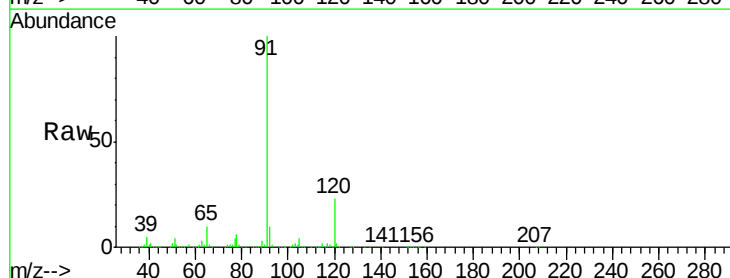
Acq: 17 Jul 2018 17:00

Tgt Ion: 91 Resp: 791366

Ion Ratio Lower Upper

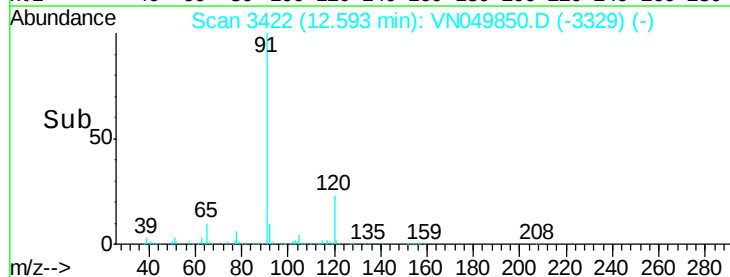
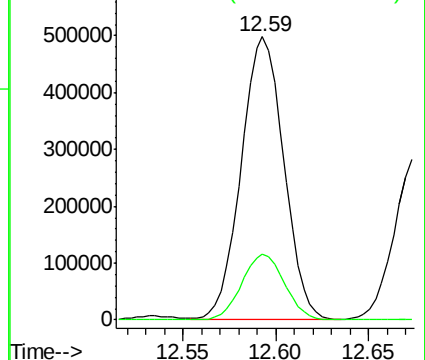
91 100

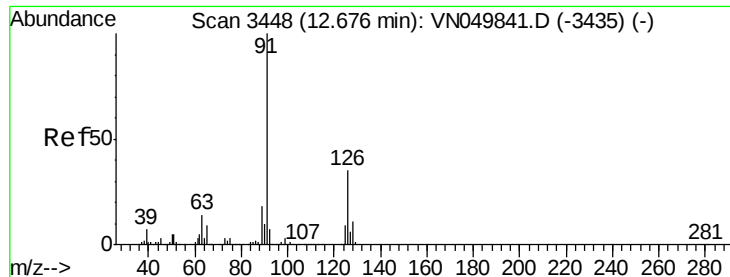
120 23.3 11.5 34.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.32 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN049850.D

Acq: 17 Jul 2018 17:00

Instrument :

MSVOA_N

ClientSampled :

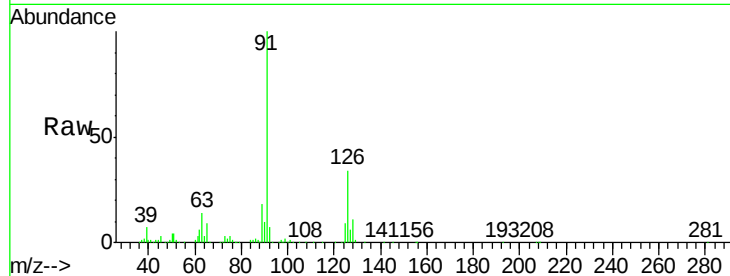
VN0717WBS01

Tot Ion: 91 Resp: 482685

Ion Ratio Lower Upper

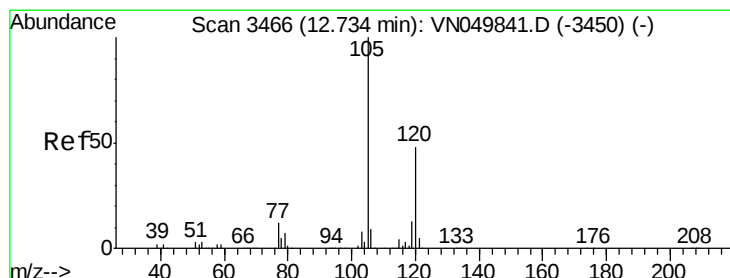
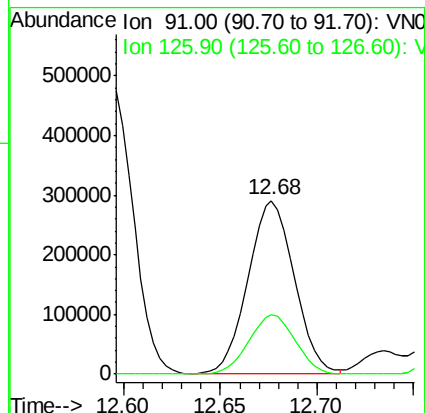
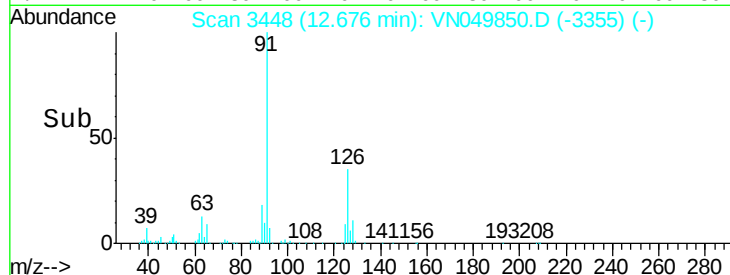
91 100

126 34.6 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) (-)



#80

1,3,5-Trimethylbenzene

Concen: 22.23 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN049850.D

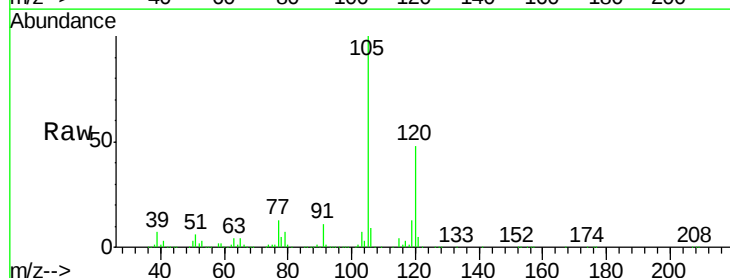
Acq: 17 Jul 2018 17:00

Tgt Ion: 105 Resp: 567912

Ion Ratio Lower Upper

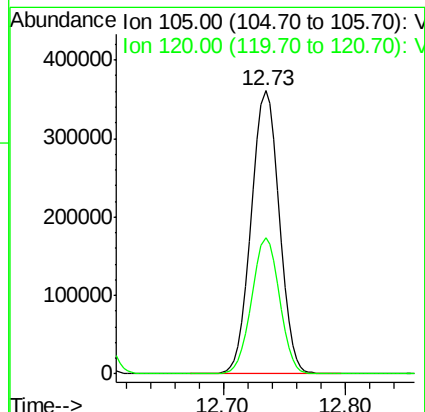
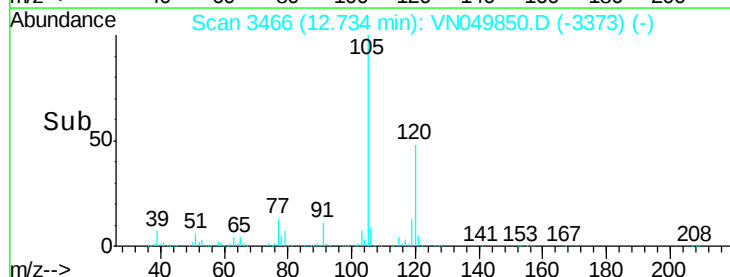
105 100

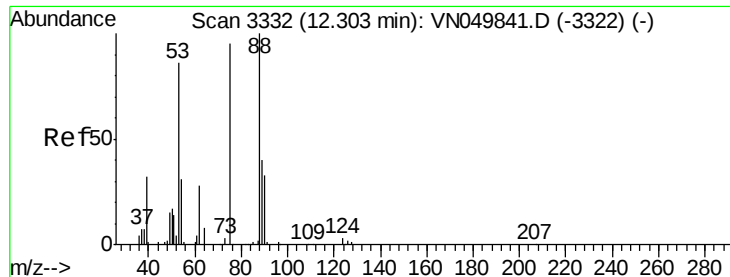
120 47.6 24.3 72.8



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

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





#81

trans-1,4-Dichloro-2-butene

Concen: 20.83 ug/l

RT: 12.30 min Scan# 3331

Delta R.T. -0.00 min

Lab File: VN049850.D

Acq: 17 Jul 2018 17:00

Instrument :

MSVOA_N

ClientSampleId :

VN0717WBS01

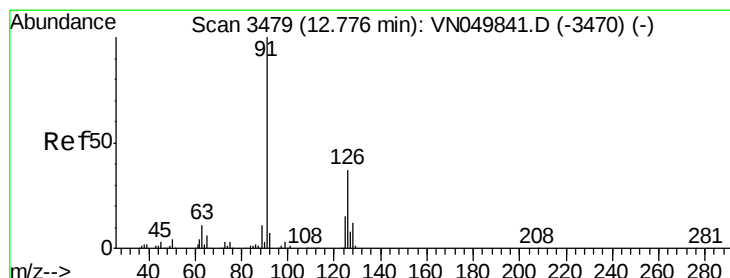
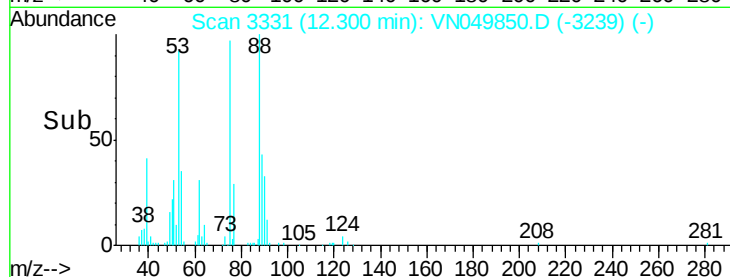
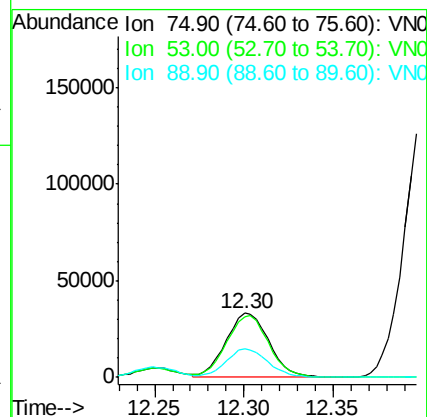
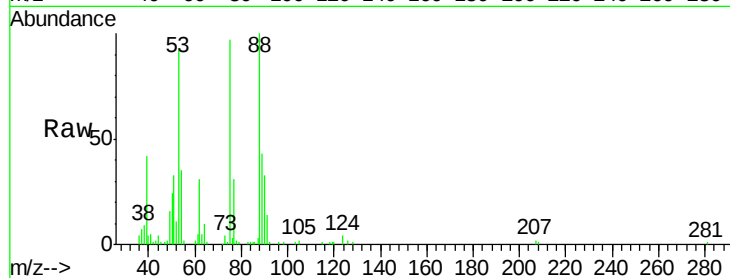
Tot Ion: 75 Resp: 56060

Ion Ratio Lower Upper

75 100

53 95.1 73.9 110.9

89 43.7 35.9 53.9



#82

4-Chlorotoluene

Concen: 21.51 ug/l

RT: 12.77 min Scan# 3478

Delta R.T. -0.00 min

Lab File: VN049850.D

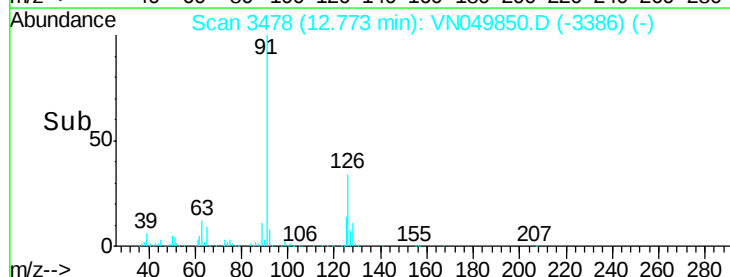
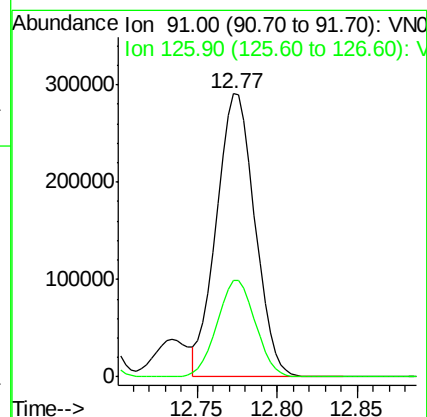
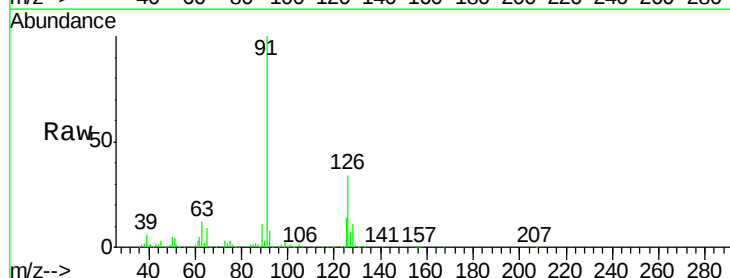
Acq: 17 Jul 2018 17:00

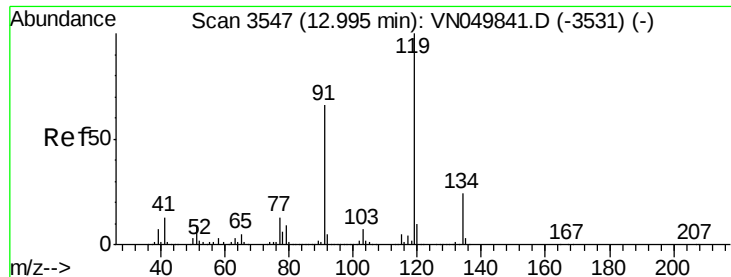
Tgt Ion: 91 Resp: 481177

Ion Ratio Lower Upper

91 100

126 34.1 17.2 51.6

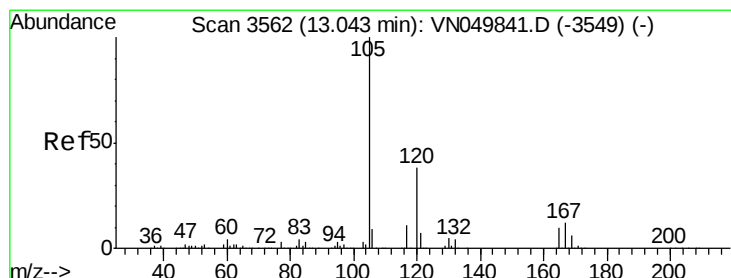
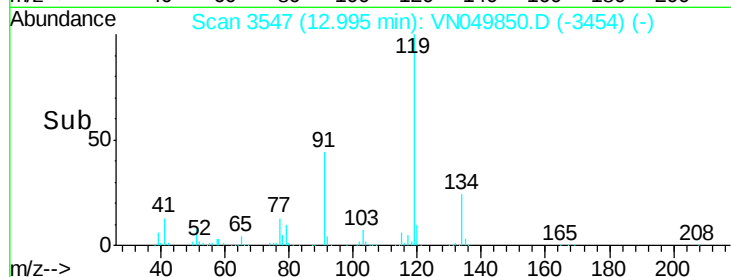
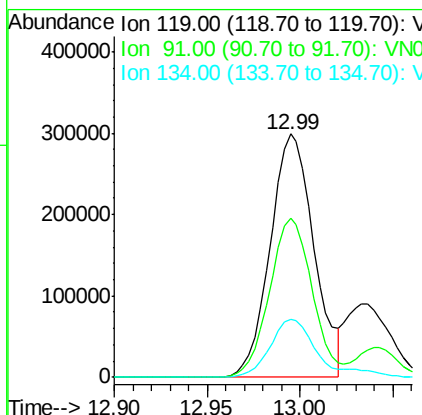
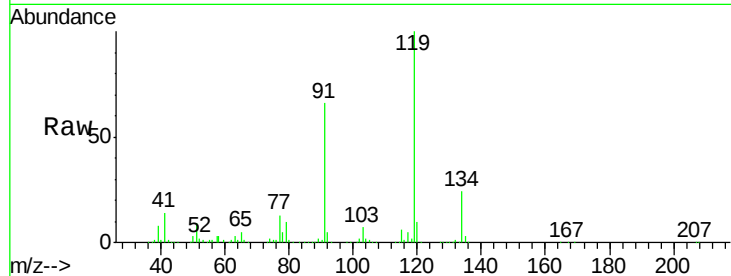




#83
tert-Butylbenzene
Concen: 21.95 ug/l
RT: 12.99 min Scan# 3547
Delta R.T. 0.00 min
Lab File: VN049850.D
Acq: 17 Jul 2018 17:00

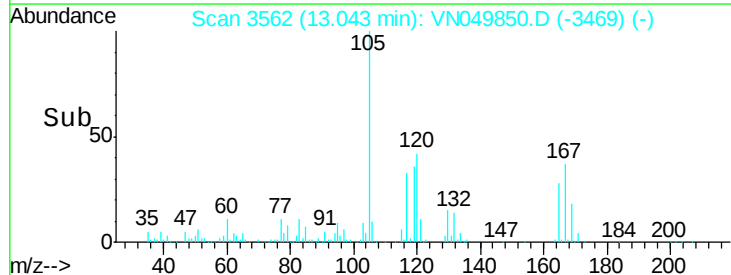
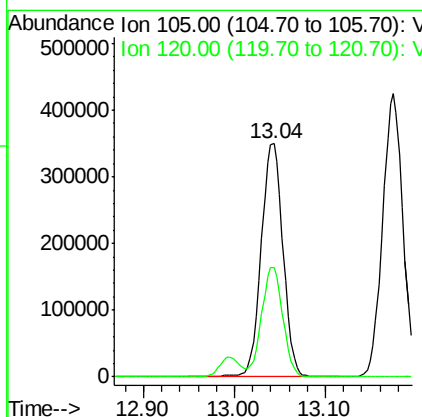
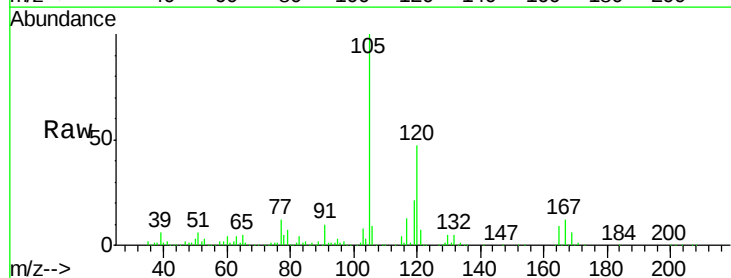
Instrument :
MSVOA_N
ClientSampleId :
VN0717WBS01

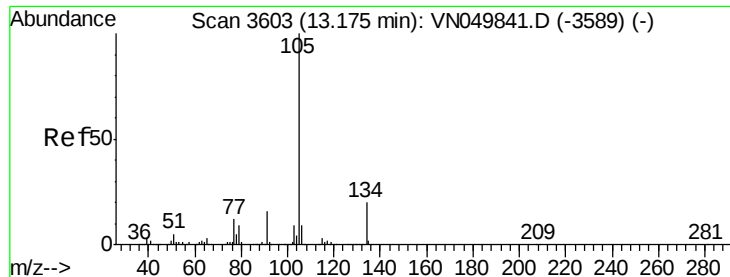
Tot Ion:119 Resp: 491473
Ion Ratio Lower Upper
119 100
91 63.7 32.0 96.2
134 26.0 12.8 38.4



#84
1,2,4-Trimethylbenzene
Concen: 22.31 ug/l
RT: 13.04 min Scan# 3562
Delta R.T. 0.00 min
Lab File: VN049850.D
Acq: 17 Jul 2018 17:00

Tgt Ion:105 Resp: 581183
Ion Ratio Lower Upper
105 100
120 45.6 22.7 68.1





#85

sec-Butylbenzene

Concen: 21.74 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN049850.D

Acq: 17 Jul 2018 17:00

Instrument :

MSVOA_N

ClientSampleId :

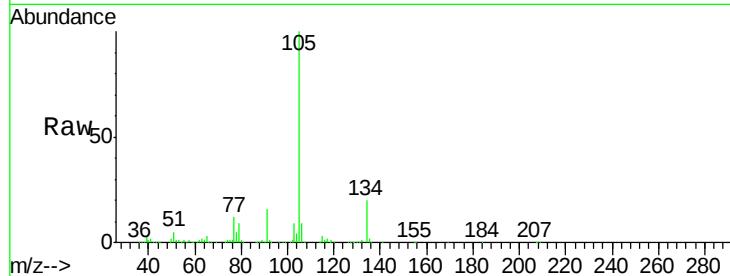
VN0717WBS01

Tot Ion:105 Resp: 654722

Ion Ratio Lower Upper

105 100

134 20.2 10.1 30.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

400000

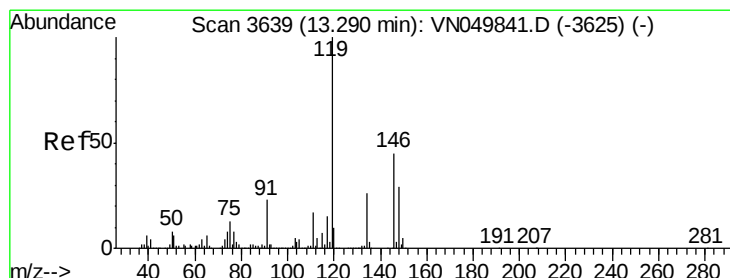
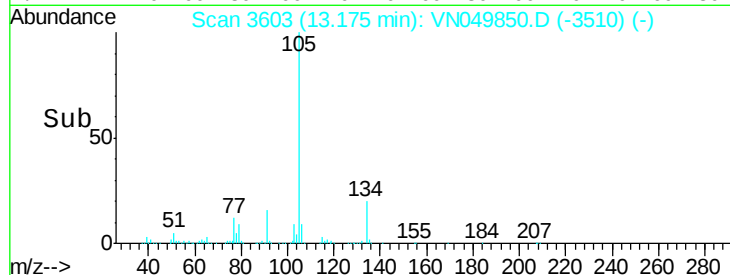
300000

200000

100000

0

Time--> 13.10 13.15 13.20 13.25



#86

p-Isopropyltoluene

Concen: 22.18 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN049850.D

Acq: 17 Jul 2018 17:00

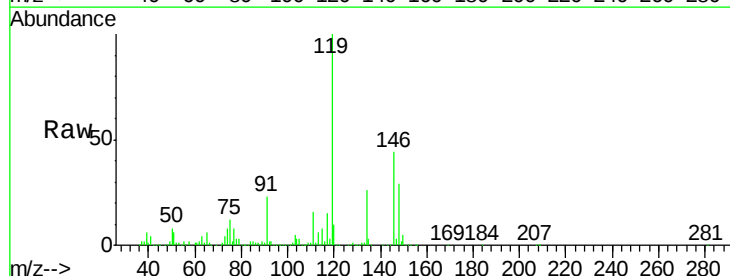
Tgt Ion:119 Resp: 564943

Ion Ratio Lower Upper

119 100

134 26.5 13.3 39.9

91 22.9 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

13.29

400000

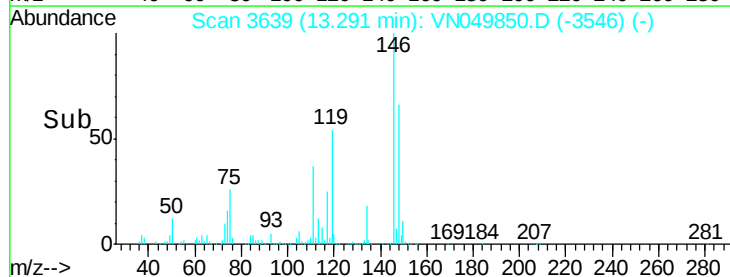
300000

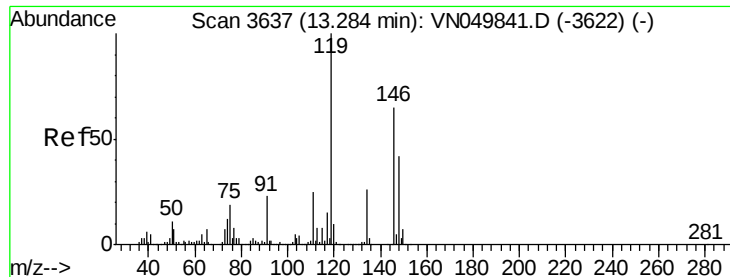
200000

100000

0

Time--> 13.25 13.30 13.35

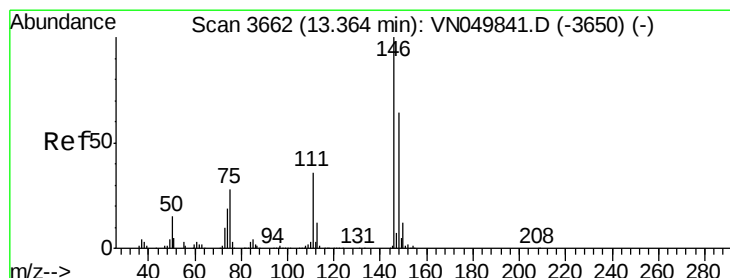
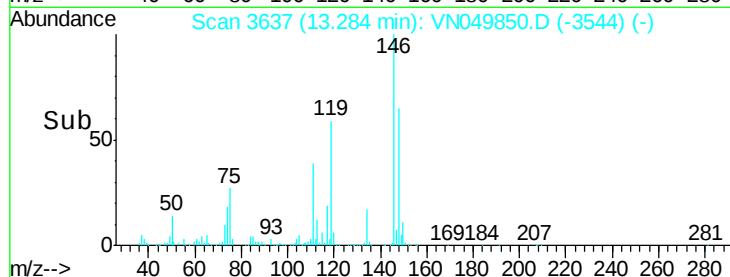
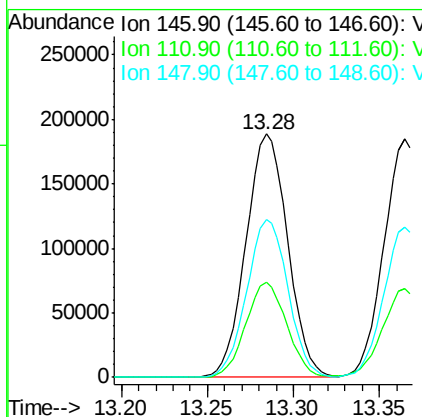
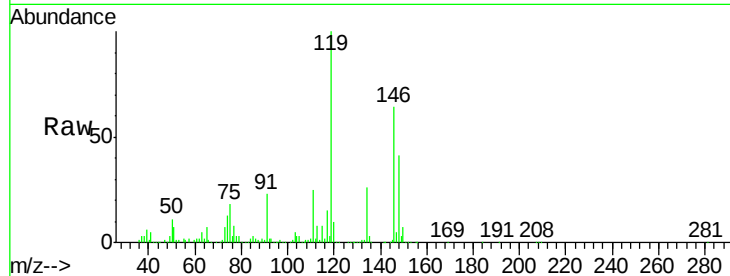




#87
 1,3-Dichlorobenzene
 Concen: 20.63 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. 0.00 min
 Lab File: VN049850.D
 Acq: 17 Jul 2018 17:00

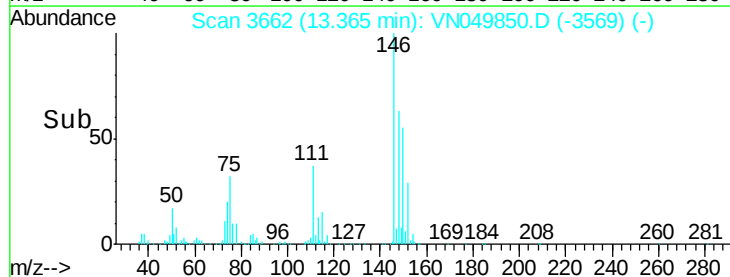
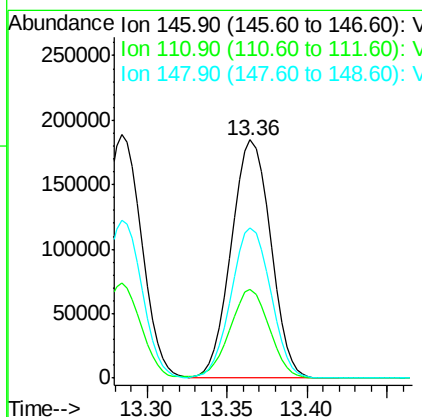
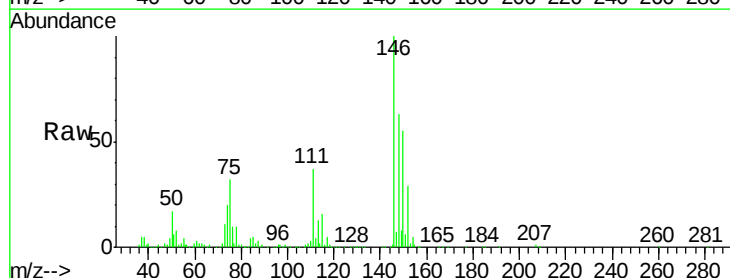
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0717WBS01

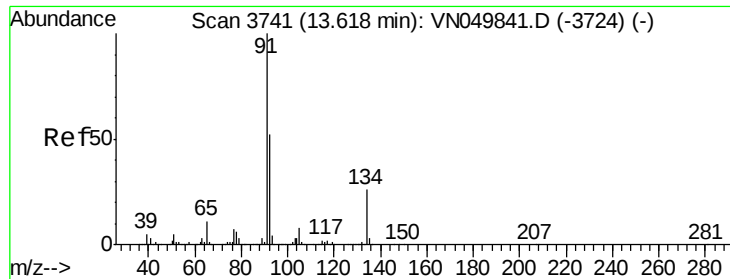
Tot Ion:146 Resp: 316880
 Ion Ratio Lower Upper
 146 100
 111 38.4 19.0 57.0
 148 64.3 32.5 97.5



#88
 1,4-Dichlorobenzene
 Concen: 20.61 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VN049850.D
 Acq: 17 Jul 2018 17:00

Tgt Ion:146 Resp: 310947
 Ion Ratio Lower Upper
 146 100
 111 37.5 18.9 56.5
 148 63.3 32.1 96.3

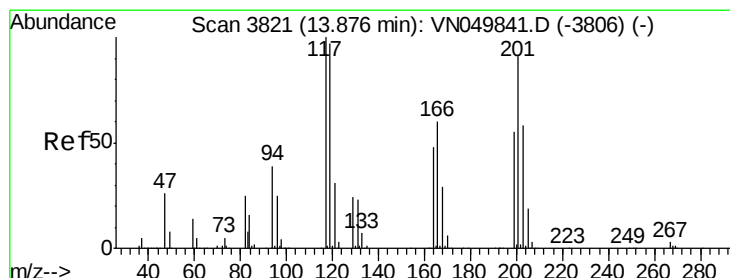
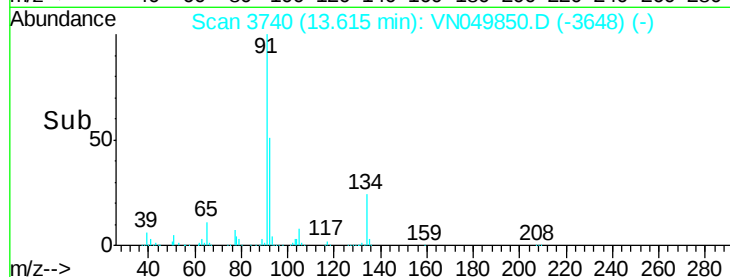
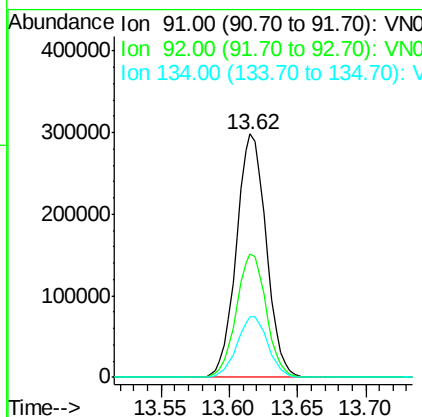
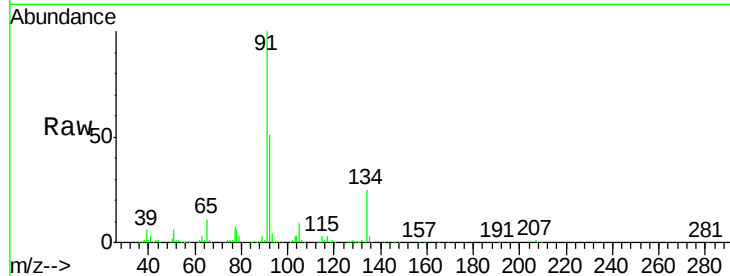




#89
n-Butylbenzene
Concen: 21.64 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. -0.00 min
Lab File: VN049850.D
Acq: 17 Jul 2018 17:00

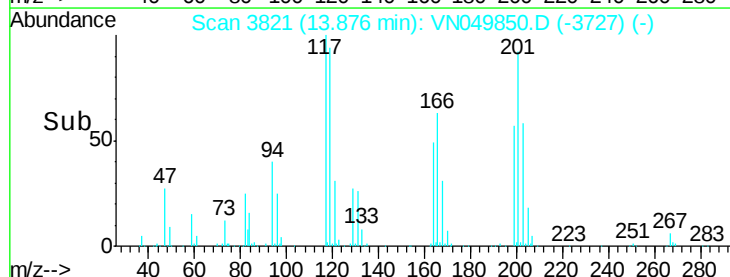
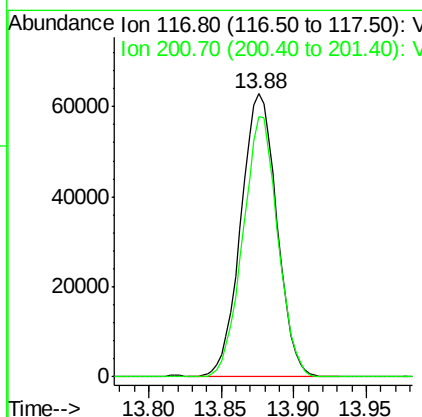
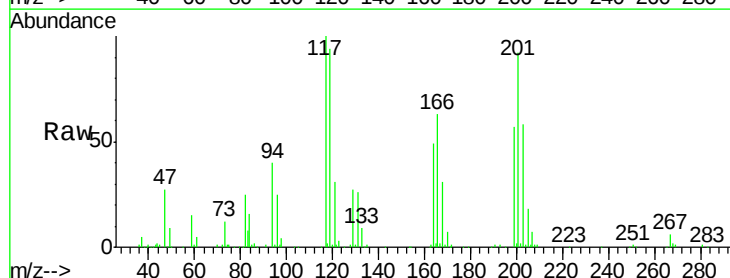
Instrument :
MSVOA_N
ClientSampleId :
VN0717WBS01

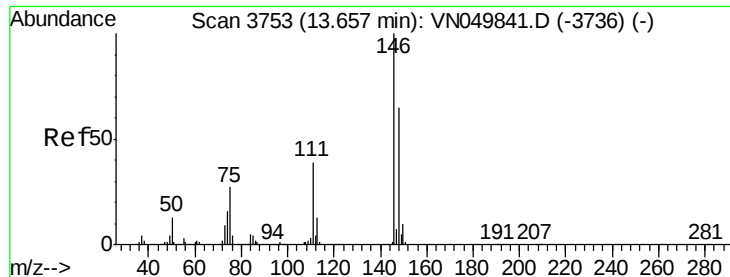
Tot Ion: 91 Resp: 451909
Ion Ratio Lower Upper
91 100
92 50.8 25.8 77.3
134 25.7 13.0 38.9



#90
Hexachloroethane
Concen: 20.97 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN049850.D
Acq: 17 Jul 2018 17:00

Tgt Ion: 117 Resp: 108861
Ion Ratio Lower Upper
117 100
201 88.8 45.3 135.8





#91

1,2-Dichlorobenzene

Concen: 20.38 ug/l

RT: 13.65 min Scan# 3752

Delta R.T. -0.00 min

Lab File: VN049850.D

Acq: 17 Jul 2018 17:00

Instrument :

MSVOA_N

ClientSampled :

VN0717WBS01

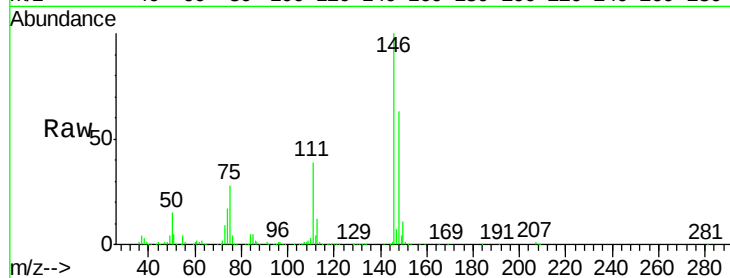
Tot Ion:146 Resp: 318226

Ion Ratio Lower Upper

146 100

111 38.5 19.7 59.1

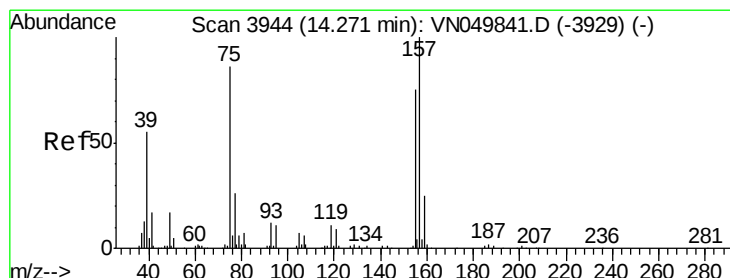
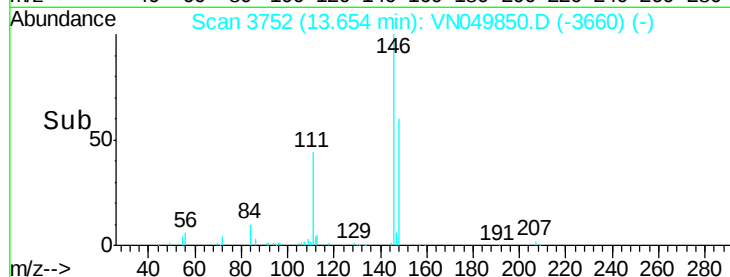
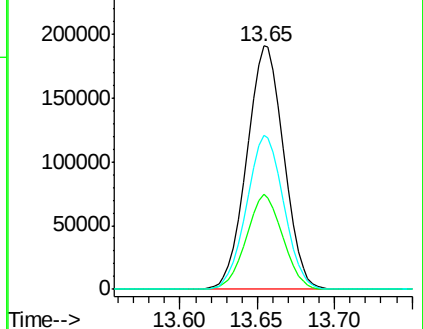
148 63.6 32.0 96.2



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 21.78 ug/l

RT: 14.27 min Scan# 3944

Delta R.T. 0.00 min

Lab File: VN049850.D

Acq: 17 Jul 2018 17:00

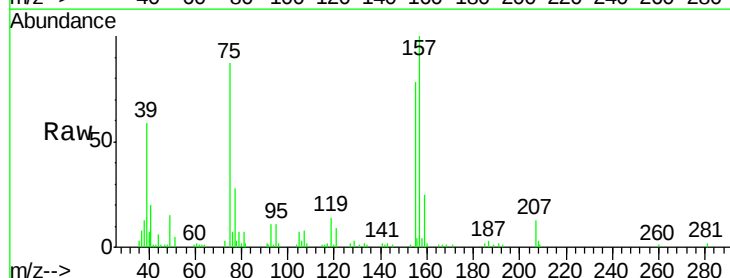
Tgt Ion: 75 Resp: 34124

Ion Ratio Lower Upper

75 100

155 92.0 45.7 137.1

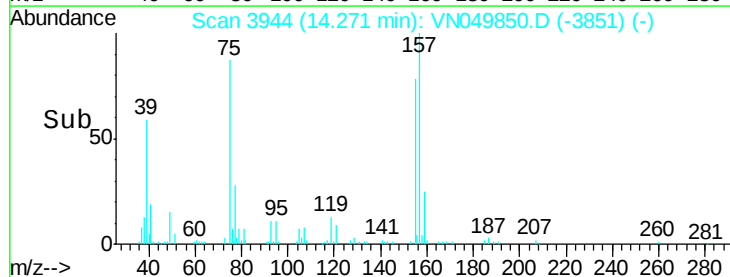
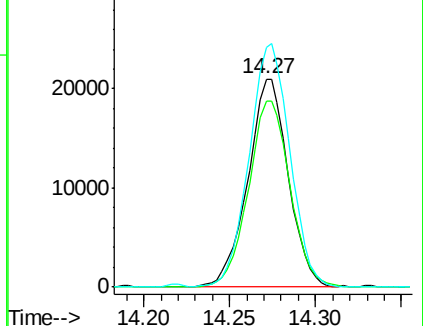
157 118.2 56.9 170.7

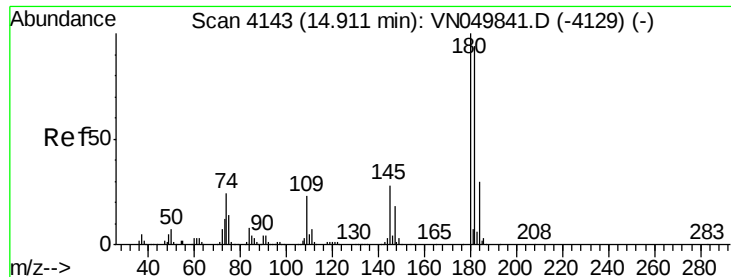


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

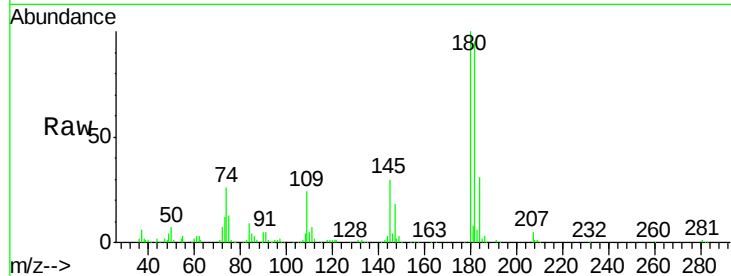




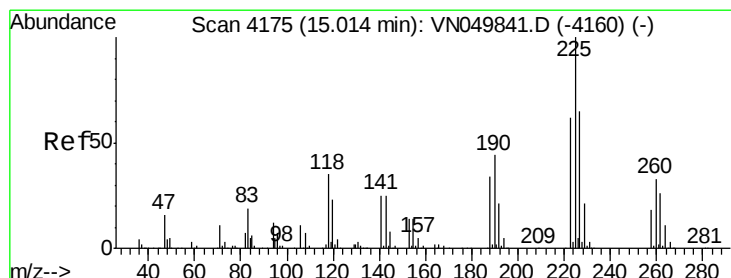
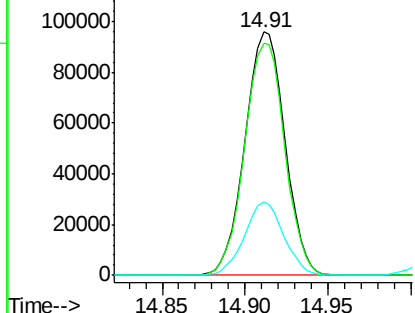
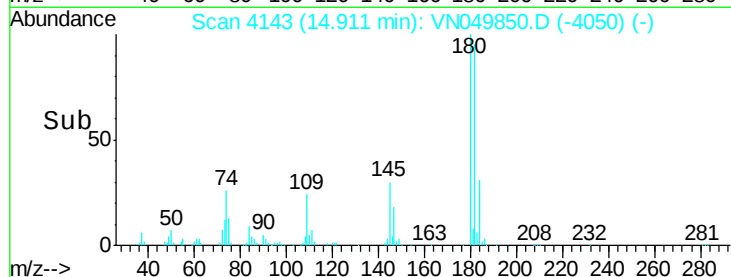
#93
 1,2,4-Trichlorobenzene
 Concen: 23.16 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN049850.D
 Acq: 17 Jul 2018 17:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0717WBS01

Tot Ion:180 Resp: 161044
 Ion Ratio Lower Upper
 180 100
 182 95.9 47.3 141.9
 145 29.7 14.4 43.0

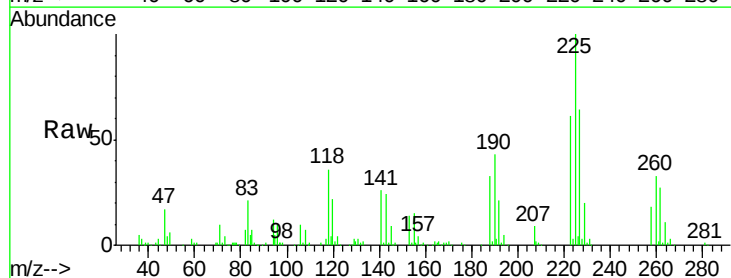


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

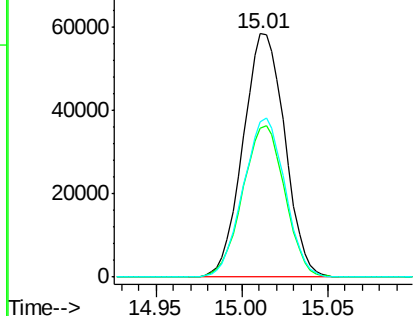
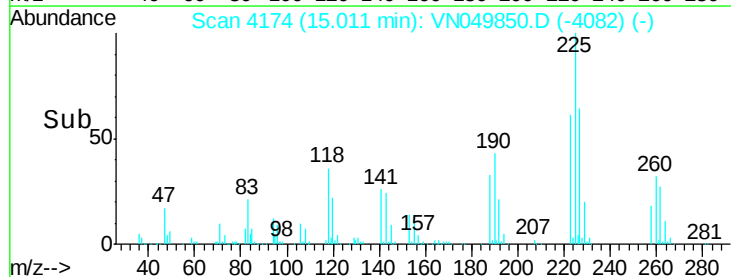


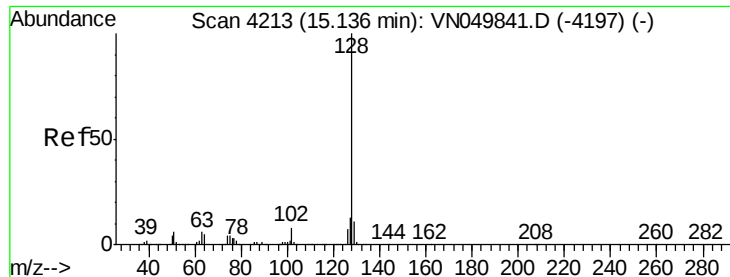
#94
 Hexachlorobutadiene
 Concen: 20.17 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. -0.00 min
 Lab File: VN049850.D
 Acq: 17 Jul 2018 17:00

Tgt Ion:225 Resp: 98405
 Ion Ratio Lower Upper
 225 100
 223 62.6 30.9 92.7
 227 65.2 31.8 95.4



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





#95

Naphthalene

Concen: 22.65 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN049850.D

Acq: 17 Jul 2018 17:00

Instrument :

MSVOA_N

ClientSampleId :

VN0717WBS01

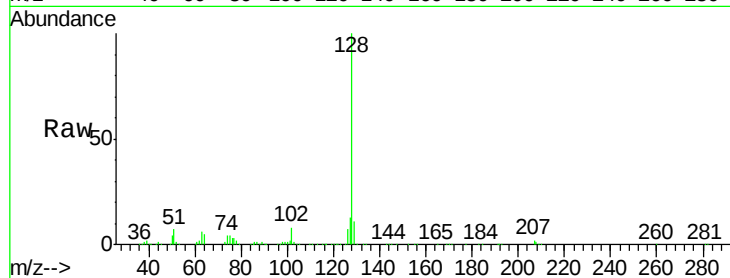
Tot Ion:128 Resp: 404214

Ion Ratio Lower Upper

128 100

127 13.3 10.4 15.6

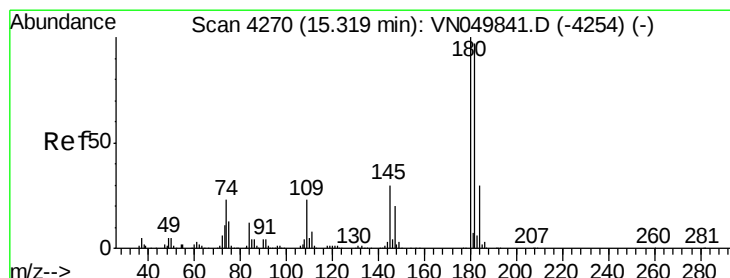
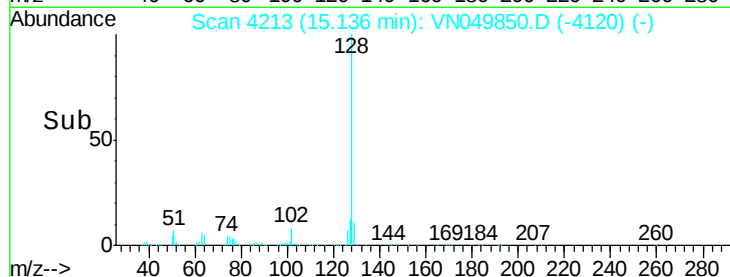
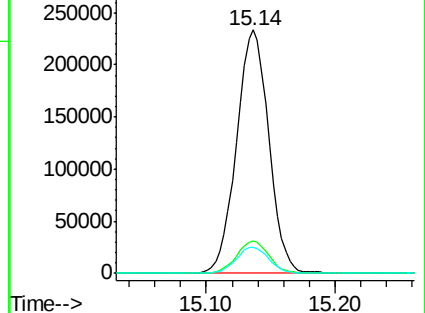
129 11.0 8.6 13.0



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: 22.82 ug/l

RT: 15.32 min Scan# 4270

Delta R.T. 0.00 min

Lab File: VN049850.D

Acq: 17 Jul 2018 17:00

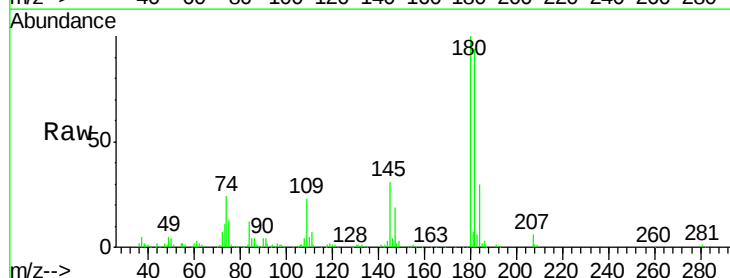
Tgt Ion:180 Resp: 167825

Ion Ratio Lower Upper

180 100

182 95.4 47.4 142.2

145 31.1 15.2 45.6



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

