

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070218\
 Data File : VN049664.D
 Acq On : 2 Jul 2018 13:00
 Operator : MD\SY
 Sample : VN0702WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0702WBSD01

Quant Time: Jul 03 03:45:04 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062918W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 30 00:55:30 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1272209	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1929809	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1741919	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	916065	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	842481	50.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.30%	
35) Dibromofluoromethane	7.59	113	708724	49.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.24%	
50) Toluene-d8	10.09	98	2718095	48.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.26%	
62) 4-Bromofluorobenzene	12.40	95	932040	48.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.68%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	277459	19.35	ug/l	98
3) Chloromethane	2.06	50	361934	20.21	ug/l	98
4) Vinyl Chloride	2.18	62	375874	19.54	ug/l	99
5) Bromomethane	2.56	94	199055	19.70	ug/l	99
6) Chloroethane	2.70	64	240140	19.73	ug/l	98
7) Trichlorofluoromethane	3.01	101	454854	20.70	ug/l	100
8) Diethyl Ether	3.41	74	181738	20.41	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	313945	19.86	ug/l	99
10) Methyl Iodide	3.95	142	442981	22.39	ug/l	99
11) Tert butyl alcohol	4.80	59	116264	120.59	ug/l	99
12) 1,1-Dichloroethene	3.73	96	281765	18.86	ug/l	98
13) Acrolein	3.61	56	76738	85.21	ug/l	96
14) Allyl chloride	4.32	41	444624	21.66	ug/l	99
15) Acrylonitrile	4.99	53	555322	111.52	ug/l	99
16) Acetone	3.82	43	415367	118.92	ug/l	100
17) Carbon Disulfide	4.05	76	842503	20.27	ug/l	99
18) Methyl Acetate	4.33	43	321712	18.14	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	820336	21.30	ug/l	99
20) Methylene Chloride	4.55	84	351791	20.33	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	303292	19.72	ug/l	99
22) Diisopropyl ether	5.96	45	956821	20.60	ug/l	99
23) Vinyl Acetate	5.90	43	3118228	103.55	ug/l	100
24) 1,1-Dichloroethane	5.85	63	578736	19.78	ug/l	99
25) 2-Butanone	6.84	43	630593	113.06	ug/l	97
26) 2,2-Dichloropropane	6.82	77	476003	19.59	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	344509	20.05	ug/l	100
28) Bromochloromethane	7.20	49	246080	19.82	ug/l	99
29) Tetrahydrofuran	7.22	42	415535	116.89	ug/l	100
30) Chloroform	7.37	83	594092	19.92	ug/l	99
31) Cyclohexane	7.65	56	510081	19.89	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	501703	19.87	ug/l	98
36) 1,1-Dichloropropene	7.79	75	433592	19.97	ug/l	100
37) Ethyl Acetate	6.93	43	286097	22.59	ug/l	99
38) Carbon Tetrachloride	7.77	117	409307	19.38	ug/l	98

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 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
 VN0702WBSD01

Quant Time: Jul 03 03:45:04 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062918W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 30 00:55:30 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.08	83	471059	19.79	ug/l	98
40) Benzene	8.04	78	1329282	20.05	ug/l	99
41) Methacrylonitrile	7.18	41	159950	22.41	ug/l #	91
42) 1,2-Dichloroethane	8.13	62	424982	20.09	ug/l	99
43) Isopropyl Acetate	8.17	43	524425	20.51	ug/l	99
44) Trichloroethene	8.84	130	386900	19.35	ug/l	99
45) 1,2-Dichloropropane	9.12	63	349342	20.40	ug/l	99
46) Dibromomethane	9.21	93	214490	20.70	ug/l	98
47) Bromodichloromethane	9.40	83	446229	20.23	ug/l	99
48) Methyl methacrylate	9.20	41	246203	21.88	ug/l	99
49) 1,4-Dioxane	9.20	88	67858	448.53	ug/l	94
51) 4-Methyl-2-Pentanone	9.99	43	1397382	112.55	ug/l	99
52) Toluene	10.16	92	815889	20.37	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	422676	20.01	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	501474	20.31	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	304208	20.40	ug/l	98
56) Ethyl methacrylate	10.43	69	379203	21.69	ug/l	100
57) 1,3-Dichloropropane	10.71	76	506605	20.95	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	781904	92.93	ug/l	99
59) 2-Hexanone	10.75	43	943801	114.96	ug/l	98
60) Dibromochloromethane	10.90	129	333380	20.68	ug/l	100
61) 1,2-Dibromoethane	11.01	107	294886	20.64	ug/l	100
64) Tetrachloroethene	10.63	164	461693	19.57	ug/l	99
65) Chlorobenzene	11.44	112	882291	19.42	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	323982	19.84	ug/l	99
67) Ethyl Benzene	11.51	91	1469743	19.57	ug/l	100
68) m/p-Xylenes	11.62	106	1171356	40.69	ug/l	100
69) o-Xylene	11.95	106	563121	20.43	ug/l	97
70) Styrene	11.97	104	900899	20.20	ug/l	100
71) Bromoform	12.13	173	224100	20.66	ug/l #	99
73) Isopropylbenzene	12.25	105	1462892	20.05	ug/l	100
74) N-amyl acetate	12.07	43	416367	20.89	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	357778	22.85	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	453258	30.85	ug/l #	100
77) Bromobenzene	12.53	156	384103	19.36	ug/l	99
78) n-propylbenzene	12.59	91	1690214	20.21	ug/l	99
79) 2-Chlorotoluene	12.68	91	1033682	19.53	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1256482	20.72	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	89673	20.73	ug/l	99
82) 4-Chlorotoluene	12.78	91	1051019	19.75	ug/l	100
83) tert-Butylbenzene	12.99	119	1055268	20.26	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1280832	20.56	ug/l	100
85) sec-Butylbenzene	13.17	105	1399634	20.28	ug/l	99
86) p-Isopropyltoluene	13.29	119	1251978	20.94	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	689477	20.18	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	666362	19.92	ug/l	99
89) n-Butylbenzene	13.62	91	985037	19.25	ug/l	100
90) Hexachloroethane	13.88	117	126981	20.22	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	682790	20.50	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	58183	22.29	ug/l	98

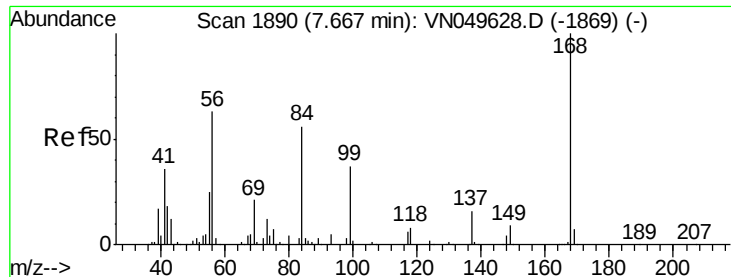
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070218\
Data File : VN049664.D
Acq On : 2 Jul 2018 13:00
Operator : MD\SY
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ClientSampleId :
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062918W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 30 00:55:30 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	280033	18.20	ug/l	99
94) Hexachlorobutadiene	15.01	225	214431	20.73	ug/l	99
95) Naphthalene	15.14	128	593107	18.69	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	289793	19.13	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN049664.D

Acq: 2 Jul 2018 13:00

Instrument :

MSVOA_N

ClientSampleId :

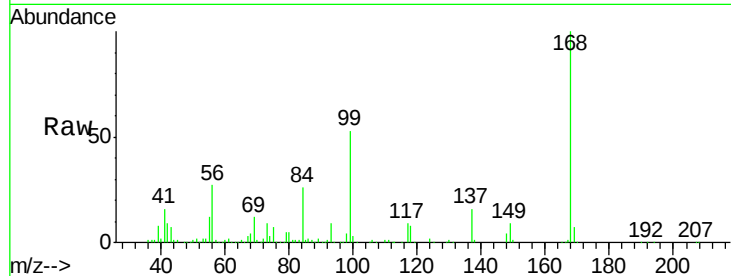
VN0702WBSD01

Tot Ion:168 Resp: 1272209

Ion Ratio Lower Upper

168 100

99 51.7 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

600000

500000

400000

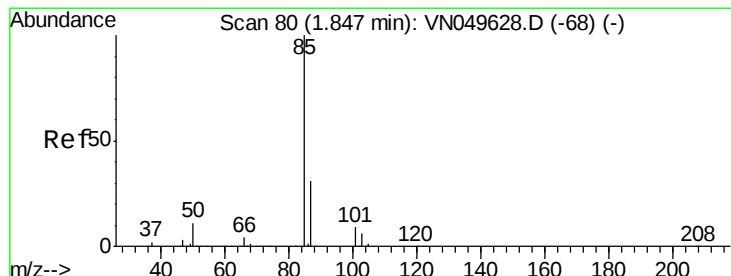
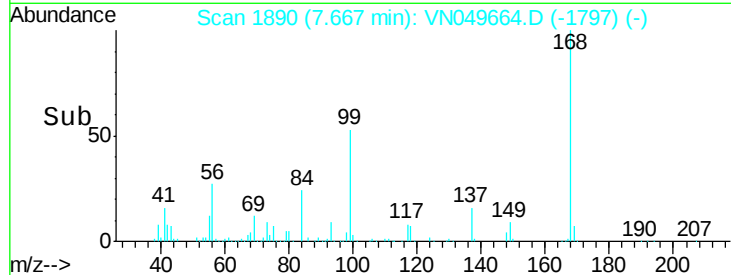
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 19.35 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN049664.D

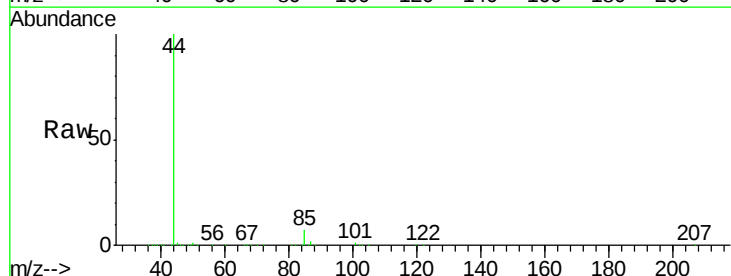
Acq: 2 Jul 2018 13:00

Tgt Ion: 85 Resp: 277459

Ion Ratio Lower Upper

85 100

87 31.7 15.4 46.1



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

1.85

200000

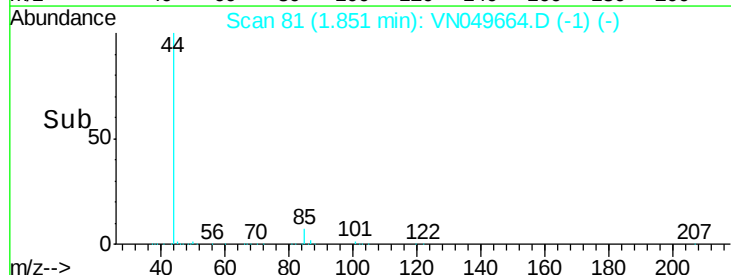
150000

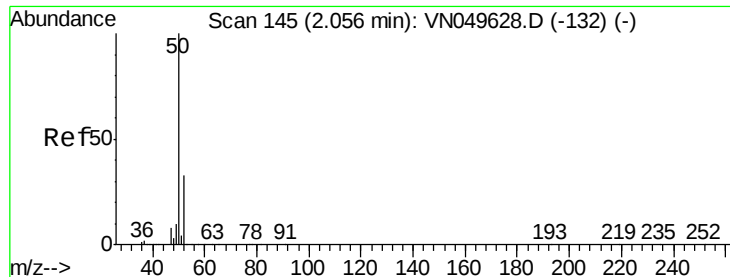
100000

50000

0

Time-->





#3

Chloromethane

Concen: 20.21 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN049664.D

Acq: 2 Jul 2018 13:00

Instrument :

MSVOA_N

ClientSampleId :

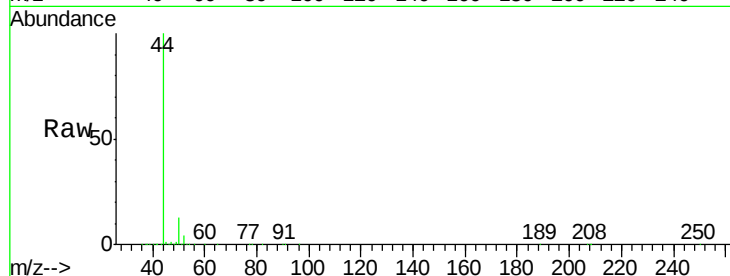
VN0702WBSD01

Tot Ion: 50 Resp: 361934

Ion Ratio Lower Upper

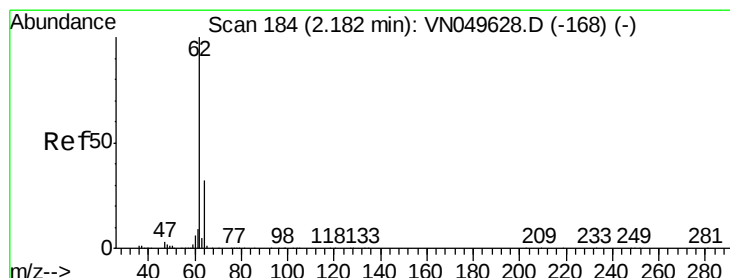
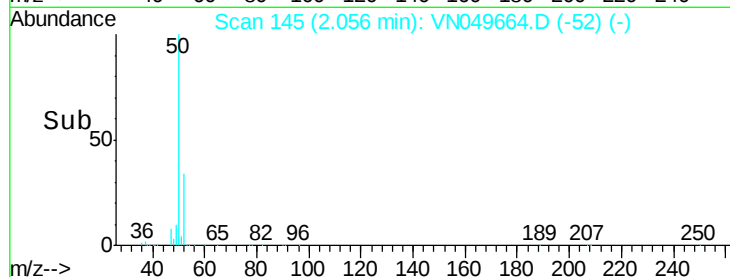
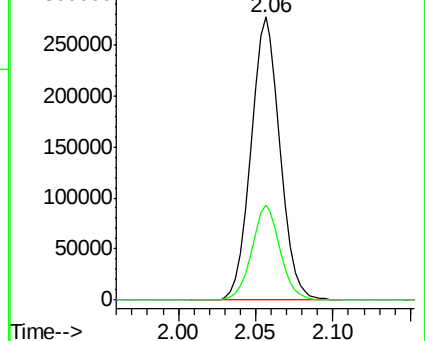
50 100

52 33.8 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 19.54 ug/l

RT: 2.18 min Scan# 184

Delta R.T. 0.00 min

Lab File: VN049664.D

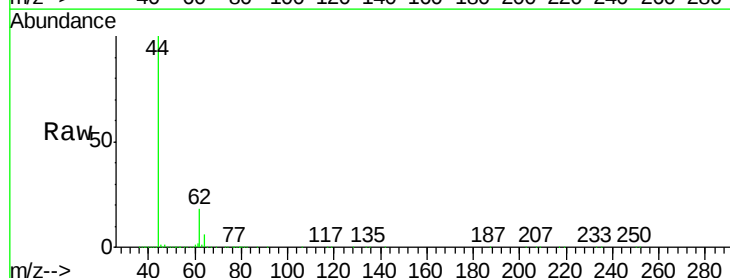
Acq: 2 Jul 2018 13:00

Tgt Ion: 62 Resp: 375874

Ion Ratio Lower Upper

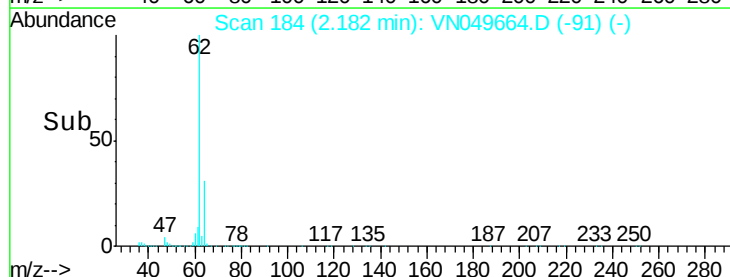
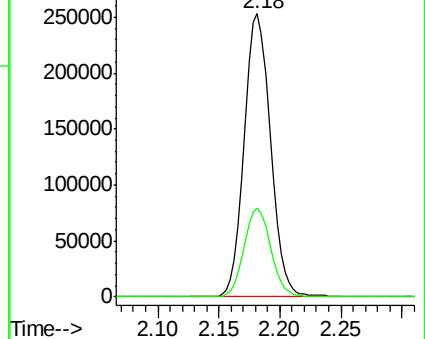
62 100

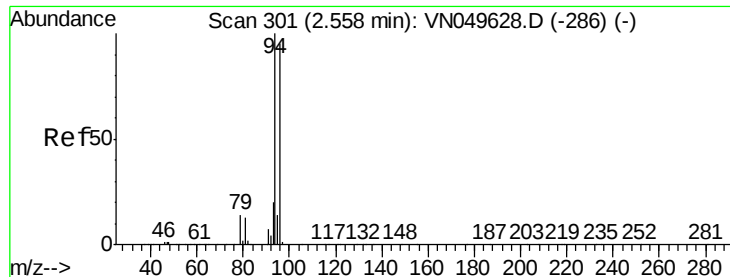
64 31.4 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 19.70 ug/l

RT: 2.56 min Scan# 303

Delta R.T. 0.01 min

Lab File: VN049664.D

Acq: 2 Jul 2018 13:00

Instrument :

MSVOA_N

ClientSampleId :

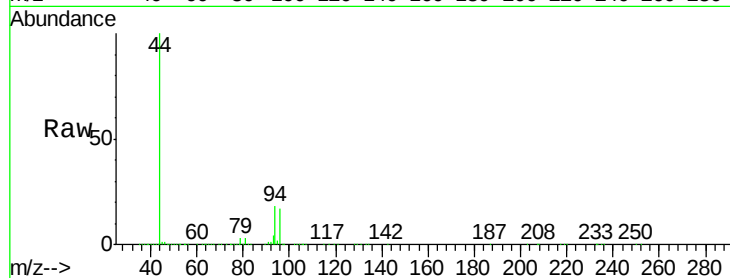
VN0702WBSD01

Tot Ion: 94 Resp: 199055

Ion Ratio Lower Upper

94 100

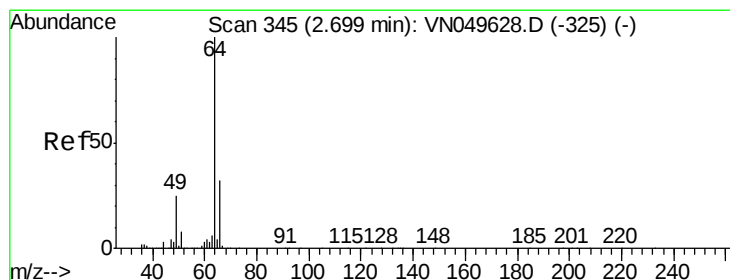
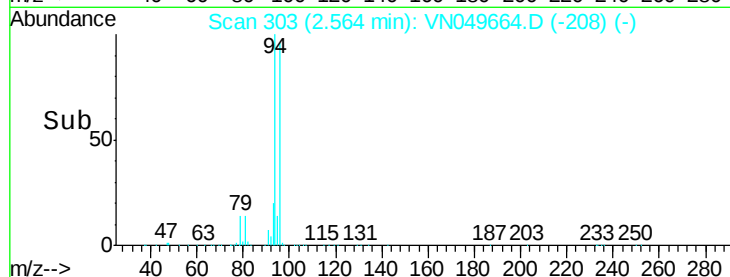
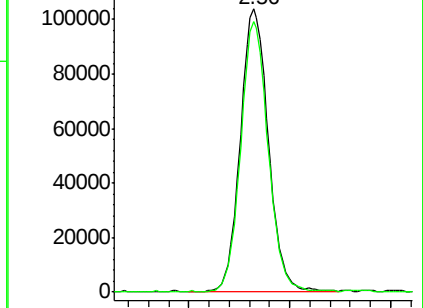
96 95.5 75.7 113.5



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.56



#6

Chloroethane

Concen: 19.73 ug/l

RT: 2.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VN049664.D

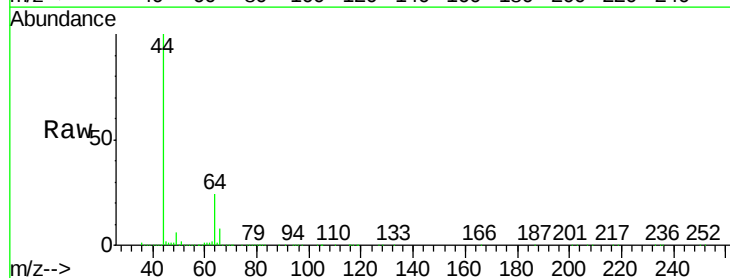
Acq: 2 Jul 2018 13:00

Tgt Ion: 64 Resp: 240140

Ion Ratio Lower Upper

64 100

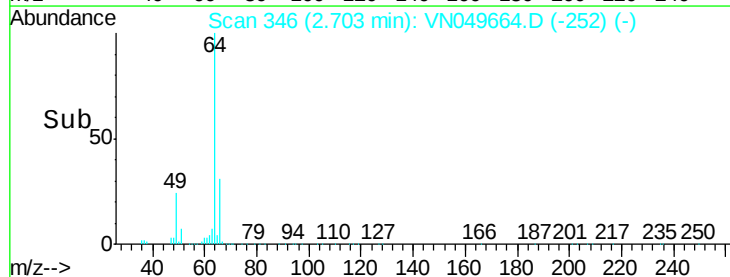
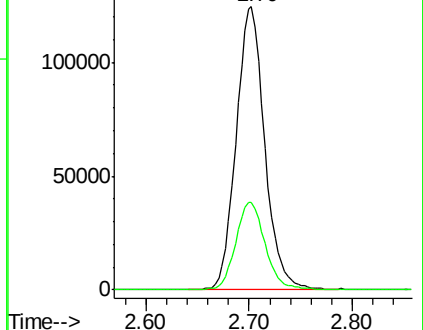
66 30.7 25.6 38.4

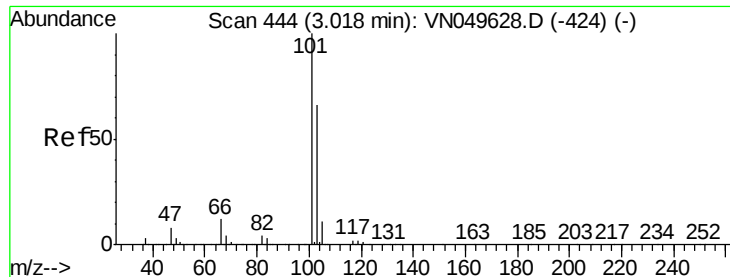


Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.70



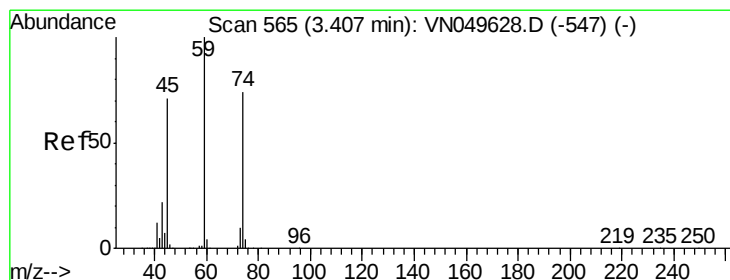
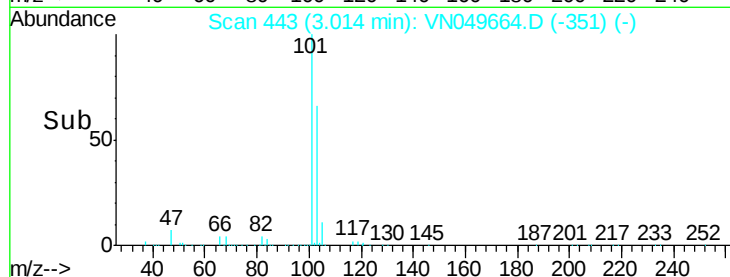
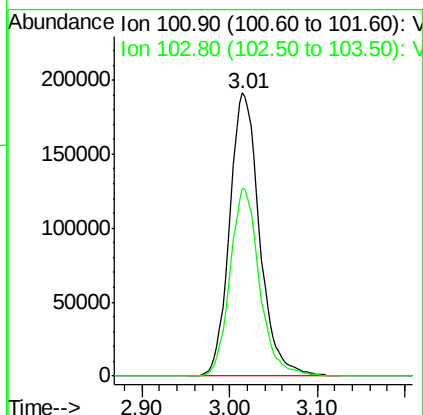
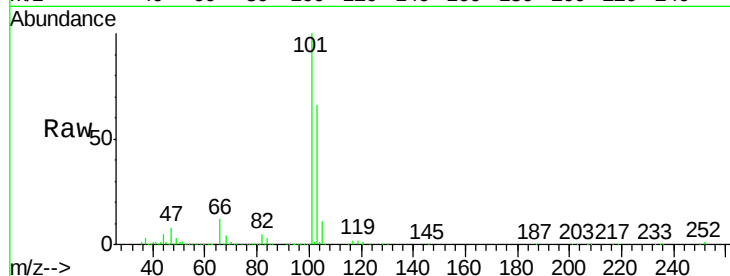


#7

Trichlorofluoromethane
Concen: 20.70 ug/l
RT: 3.01 min Scan# 443
Delta R.T. -0.00 min
Lab File: VN049664.D
Acq: 2 Jul 2018 13:00

Instrument :
MSVOA_N
ClientSampleId :
VN0702WBSD01

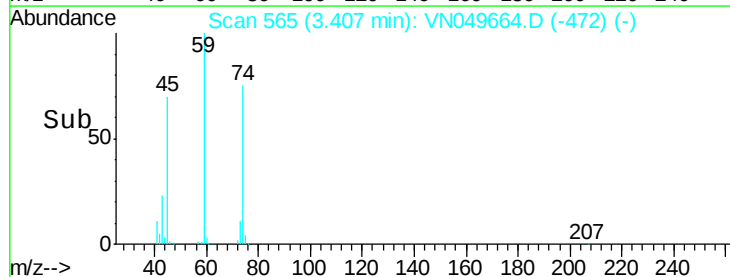
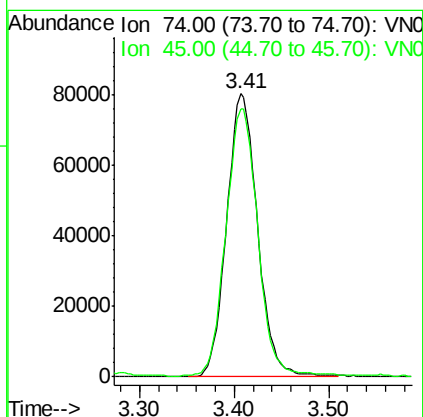
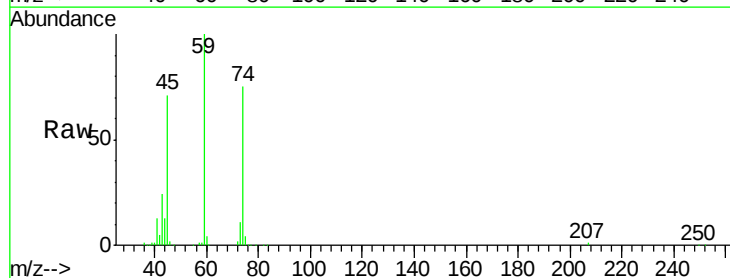
Tot Ion:101 Resp: 454854
Ion Ratio Lower Upper
101 100
103 66.3 52.8 79.2

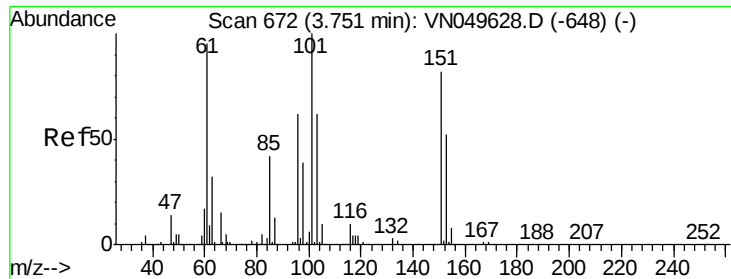


#8

Diethyl Ether
Concen: 20.41 ug/l
RT: 3.41 min Scan# 565
Delta R.T. 0.00 min
Lab File: VN049664.D
Acq: 2 Jul 2018 13:00

Tgt Ion: 74 Resp: 181738
Ion Ratio Lower Upper
74 100
45 97.6 48.4 145.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.86 ug/l

RT: 3.75 min Scan# 672

Delta R.T. 0.00 min

Lab File: VN049664.D

Acq: 2 Jul 2018 13:00

Instrument :

MSVOA_N

ClientSampleId :

VN0702WBSD01

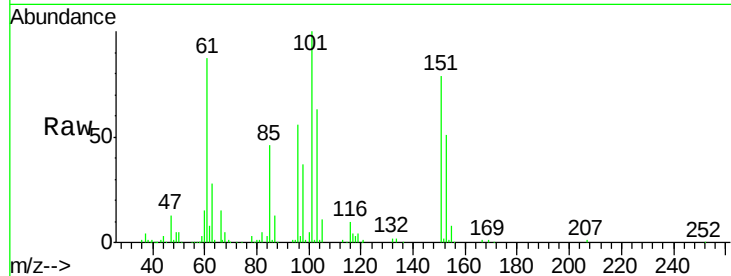
Tot Ion:101 Resp: 313945

Ion Ratio Lower Upper

101 100

85 42.8 34.4 51.6

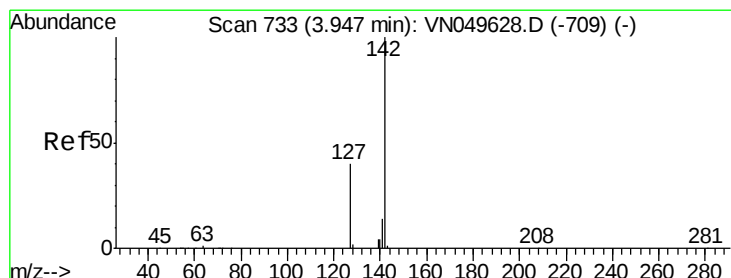
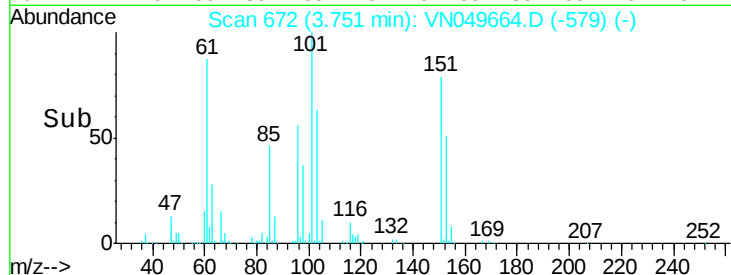
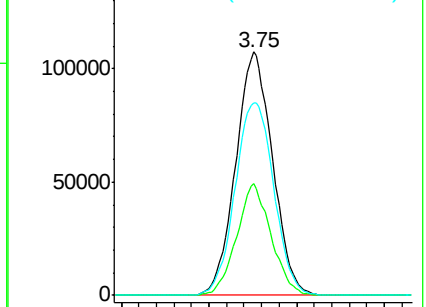
151 83.4 66.2 99.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 22.39 ug/l

RT: 3.95 min Scan# 733

Delta R.T. 0.00 min

Lab File: VN049664.D

Acq: 2 Jul 2018 13:00

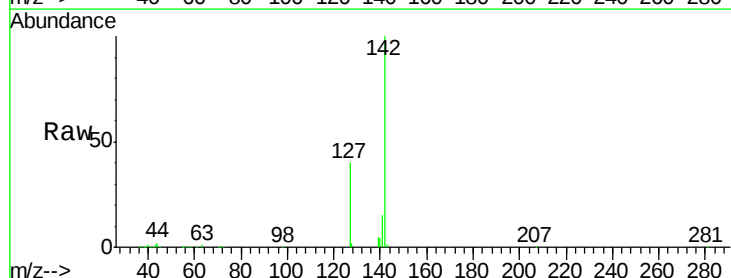
Tgt Ion:142 Resp: 442981

Ion Ratio Lower Upper

142 100

127 40.6 32.5 48.7

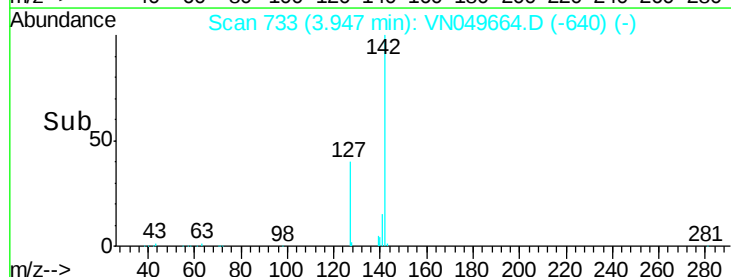
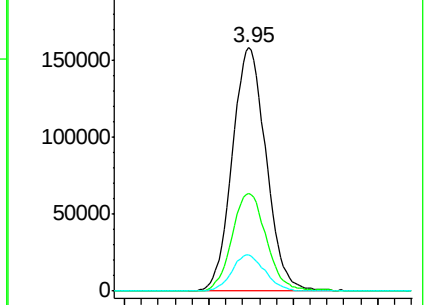
141 14.6 11.1 16.7

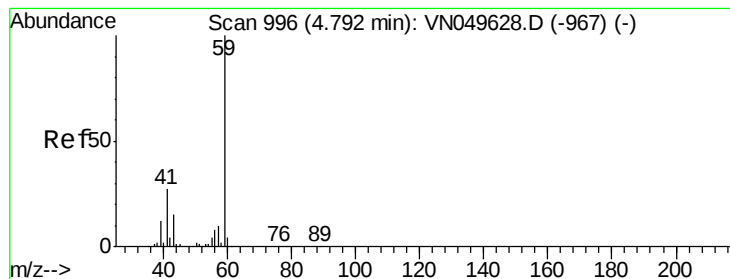


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 120.59 ug/l

RT: 4.80 min Scan# 998

Delta R.T. 0.01 min

Lab File: VN049664.D

Acq: 2 Jul 2018 13:00

Instrument :

MSVOA_N

ClientSampled :

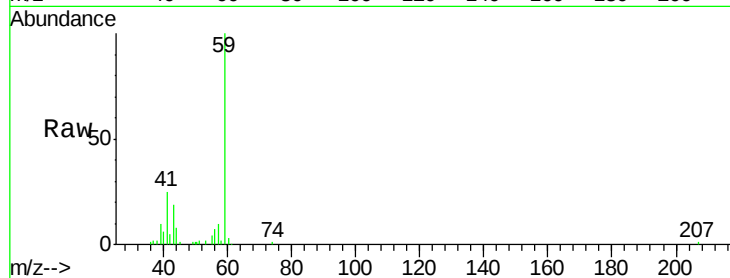
VN0702WBSD01

Tot Ion: 59 Resp: 116264

Ion Ratio Lower Upper

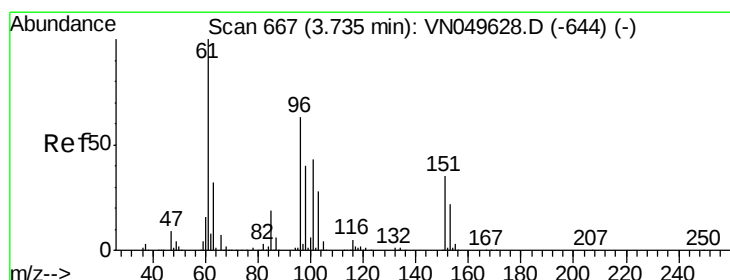
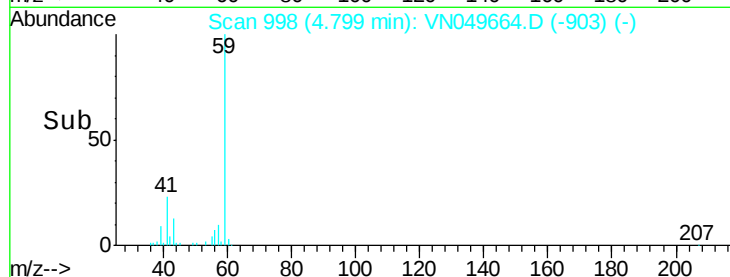
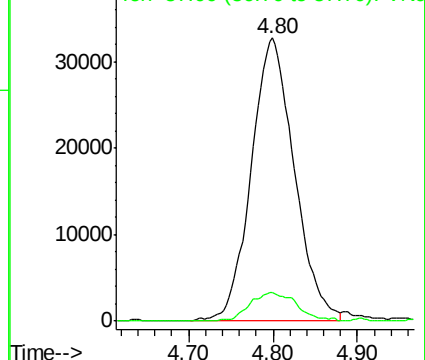
59 100

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: 18.86 ug/l

RT: 3.73 min Scan# 666

Delta R.T. -0.00 min

Lab File: VN049664.D

Acq: 2 Jul 2018 13:00

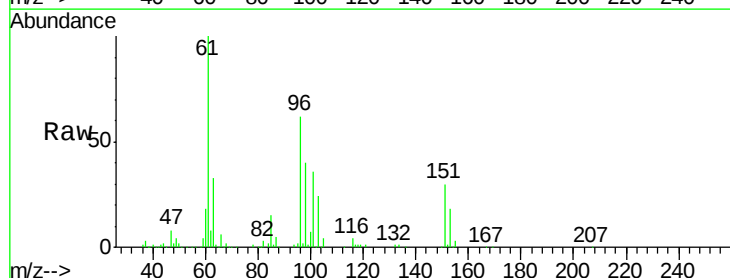
Tgt Ion: 96 Resp: 281765

Ion Ratio Lower Upper

96 100

61 160.8 126.5 189.7

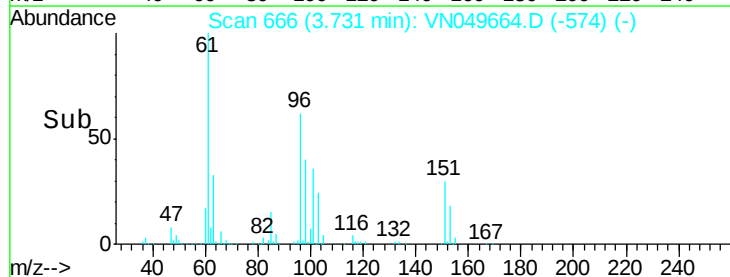
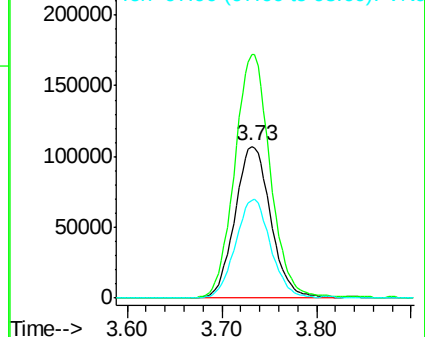
98 64.7 51.0 76.6

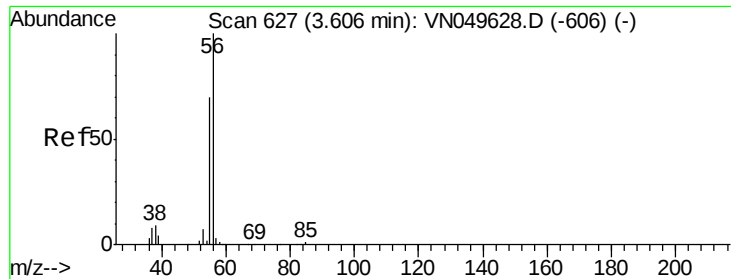


Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#13

Acrolein

Concen: 85.21 ug/l

RT: 3.61 min Scan# 627

Delta R.T. 0.00 min

Lab File: VN049664.D

Acq: 2 Jul 2018 13:00

Instrument :

MSVOA_N

ClientSampleId :

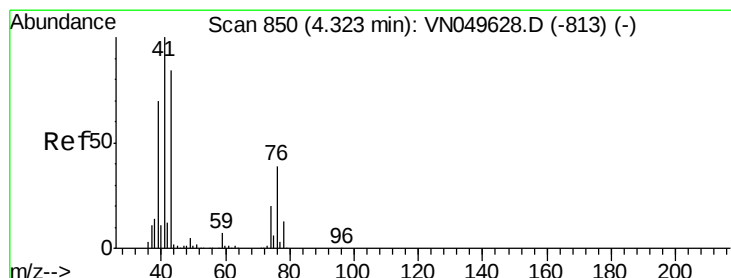
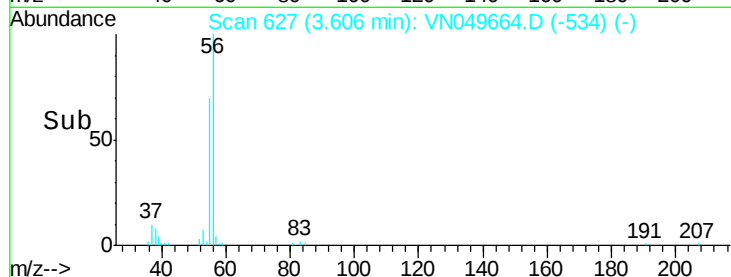
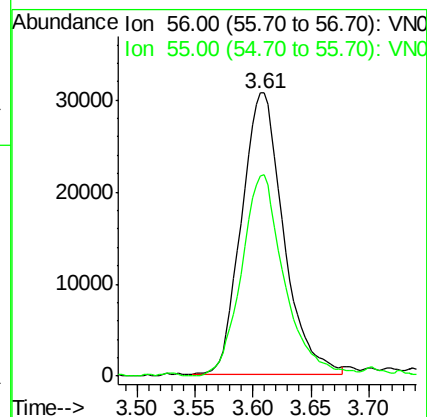
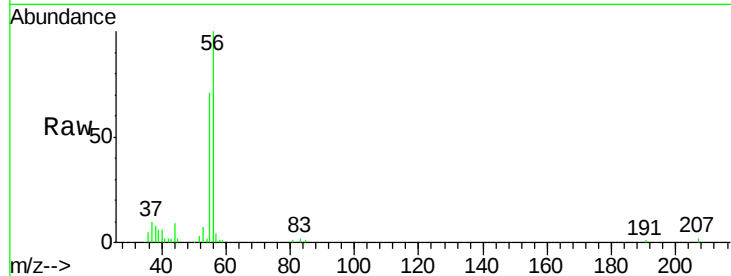
VN0702WBSD01

Tot Ion: 56 Resp: 76738

Ion Ratio Lower Upper

56 100

55 73.3 55.8 83.8



#14

Allyl chloride

Concen: 21.66 ug/l

RT: 4.32 min Scan# 849

Delta R.T. -0.00 min

Lab File: VN049664.D

Acq: 2 Jul 2018 13:00

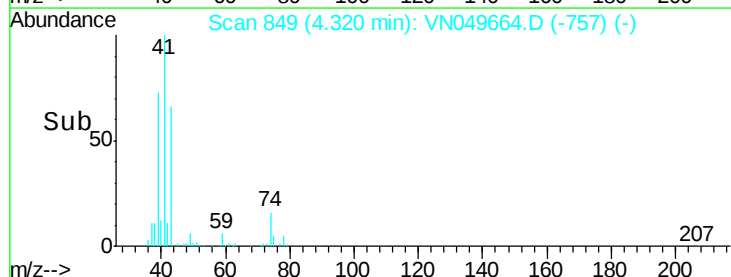
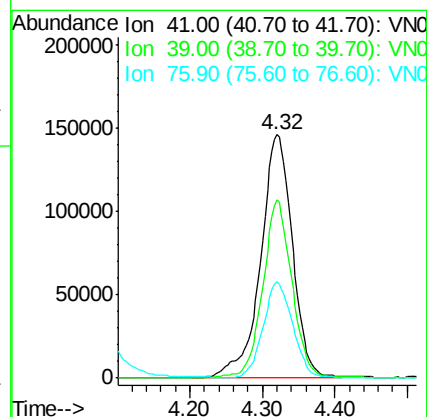
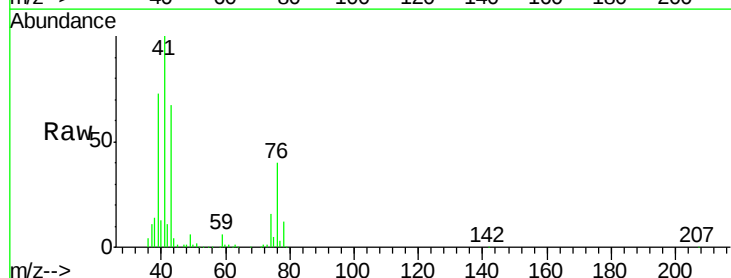
Tgt Ion: 41 Resp: 444624

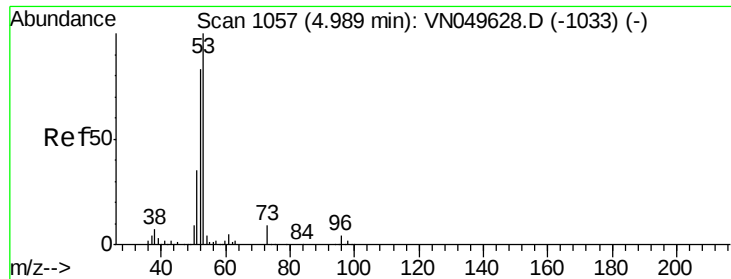
Ion Ratio Lower Upper

41 100

39 67.6 53.2 79.8

76 36.4 29.0 43.6





#15

Acrylonitrile

Concen: 111.52 ug/l

RT: 4.99 min Scan# 1058

Delta R.T. 0.00 min

Lab File: VN049664.D

Acq: 2 Jul 2018 13:00

Instrument :

MSVOA_N

ClientSampleId :

VN0702WBSD01

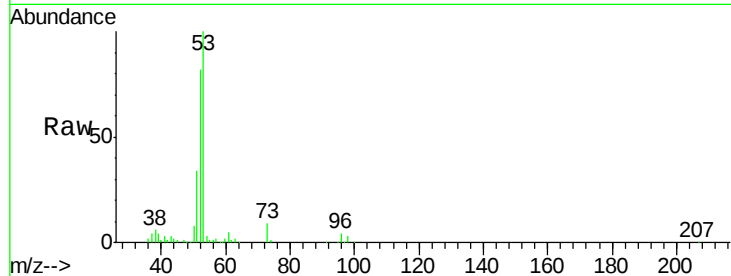
Tot Ion: 53 Resp: 555322

Ion Ratio Lower Upper

53 100

52 79.8 64.8 97.2

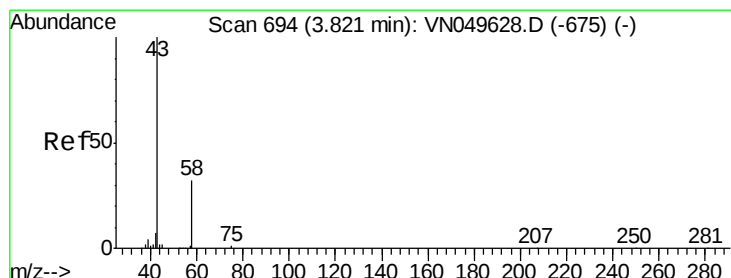
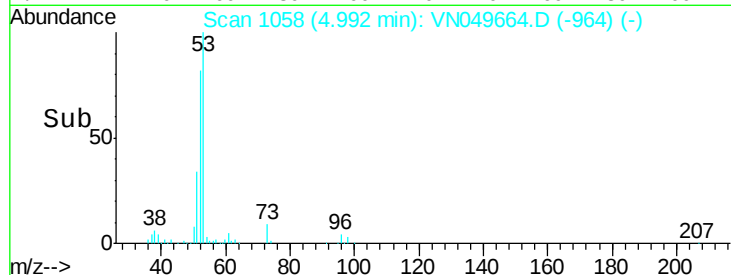
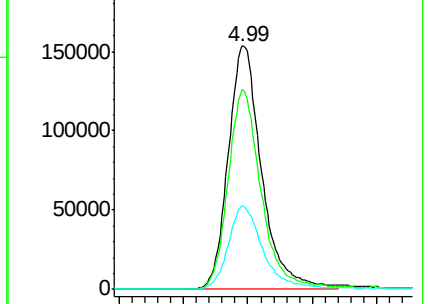
51 35.4 28.9 43.3



Abundance Ion 53.00 (52.70 to 53.70): VN049664.D (-964) (-)

Ion 52.00 (51.70 to 52.70): VN049664.D (-964) (-)

Ion 51.00 (50.70 to 51.70): VN049664.D (-964) (-)



#16

Acetone

Concen: 118.92 ug/l

RT: 3.82 min Scan# 694

Delta R.T. 0.00 min

Lab File: VN049664.D

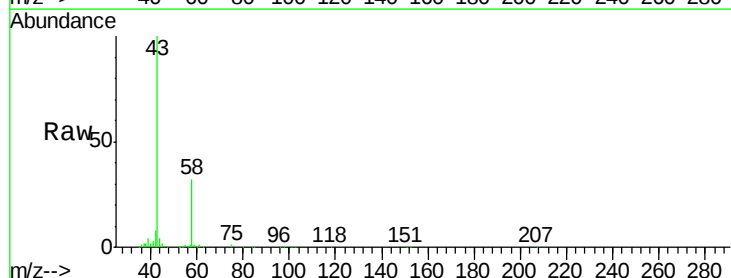
Acq: 2 Jul 2018 13:00

Tgt Ion: 43 Resp: 415367

Ion Ratio Lower Upper

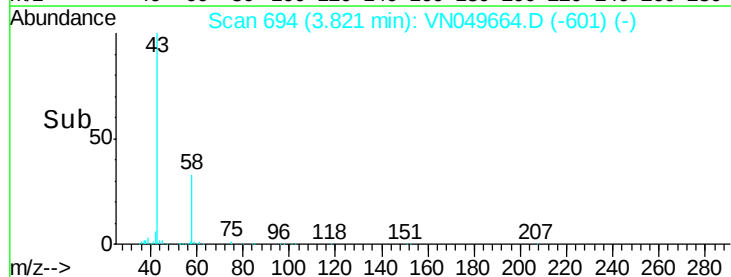
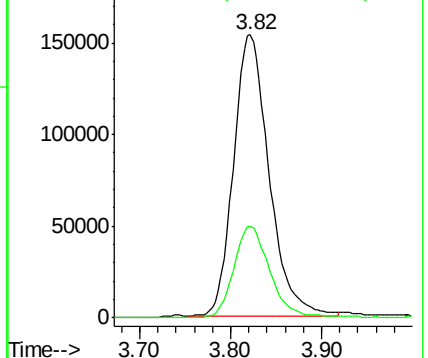
43 100

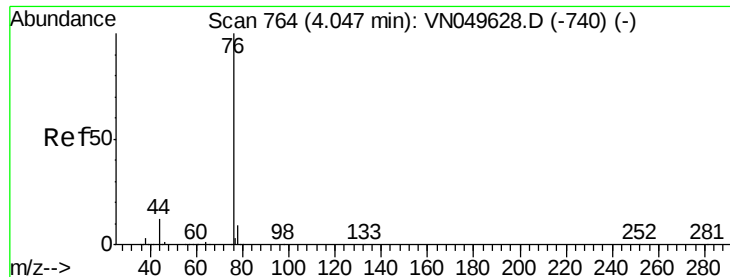
58 32.5 25.9 38.9



Abundance Ion 43.00 (42.70 to 43.70): VN049664.D (-601) (-)

Ion 58.00 (57.70 to 58.70): VN049664.D (-601) (-)





#17

Carbon Disulfide

Concen: 20.27 ug/l

RT: 4.05 min Scan# 765

Delta R.T. 0.00 min

Lab File: VN049664.D

Acq: 2 Jul 2018 13:00

Instrument :

MSVOA_N

ClientSampleId :

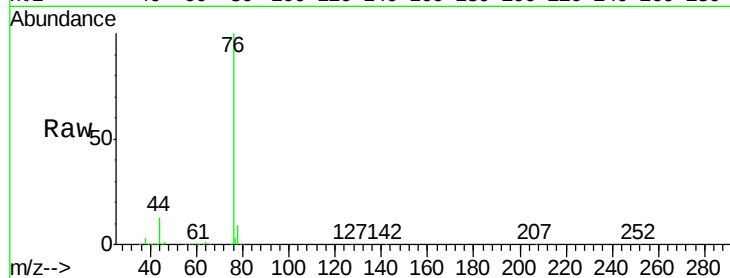
VN0702WBSD01

Tot Ion: 76 Resp: 842503

Ion Ratio Lower Upper

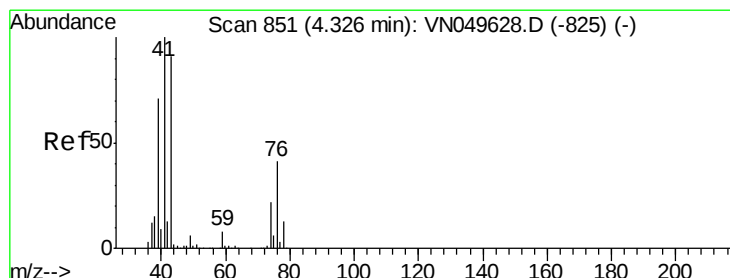
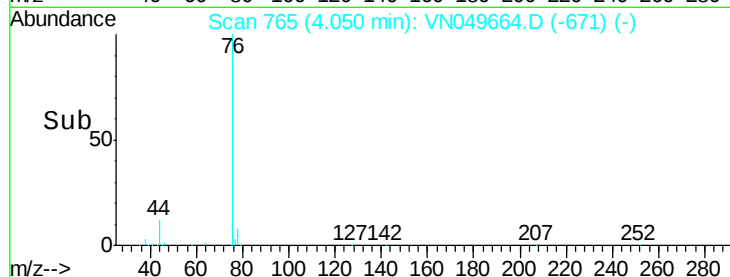
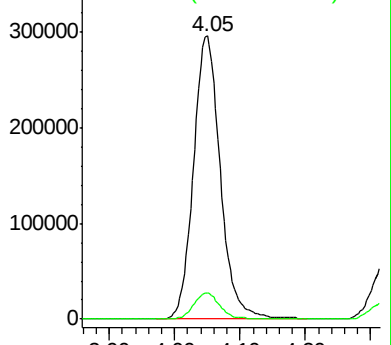
76 100

78 9.3 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 18.14 ug/l

RT: 4.33 min Scan# 852

Delta R.T. 0.00 min

Lab File: VN049664.D

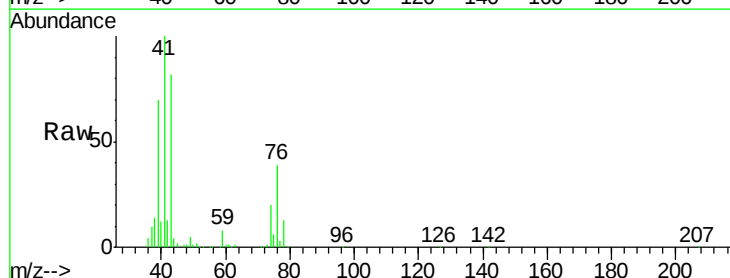
Acq: 2 Jul 2018 13:00

Tgt Ion: 43 Resp: 321712

Ion Ratio Lower Upper

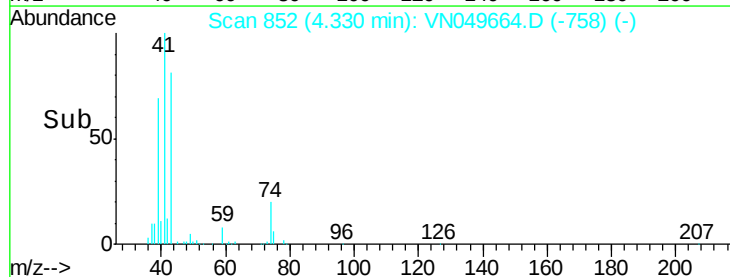
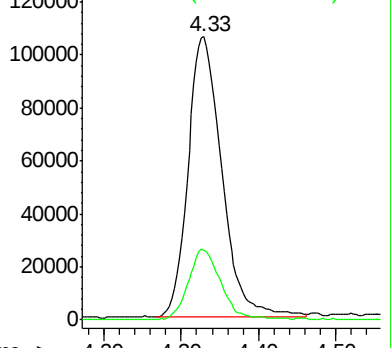
43 100

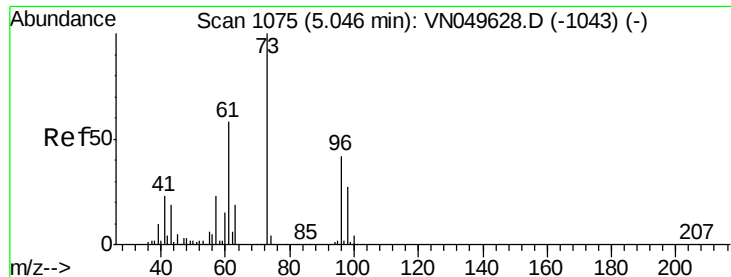
74 24.3 19.8 29.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

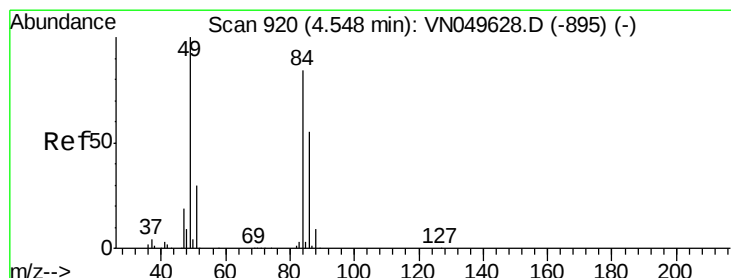
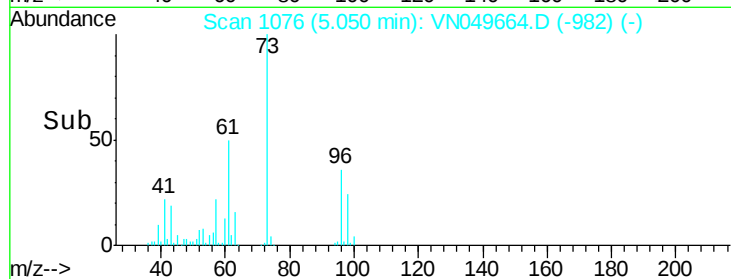
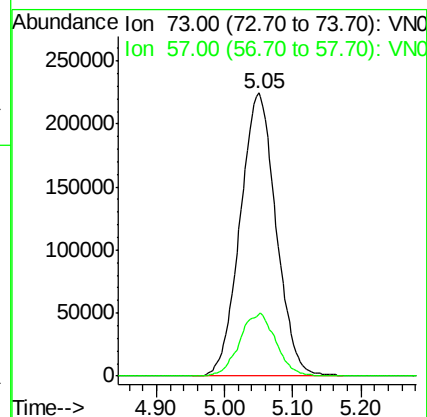
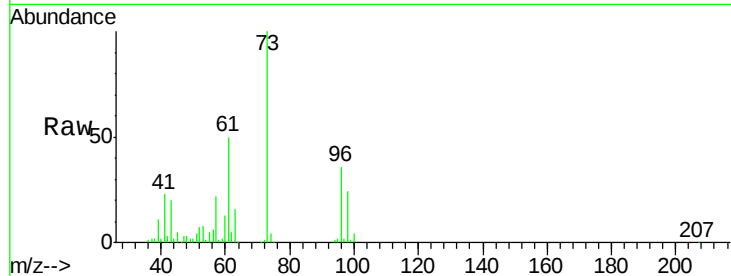




#19
Methyl tert-butyl Ether
Concen: 21.30 ug/l
RT: 5.05 min Scan# 1076
Delta R.T. 0.00 min
Lab File: VN049664.D
Acq: 2 Jul 2018 13:00

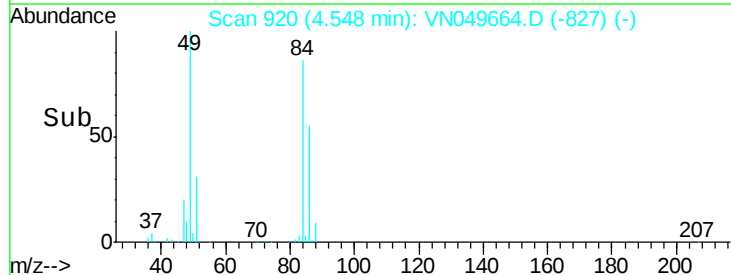
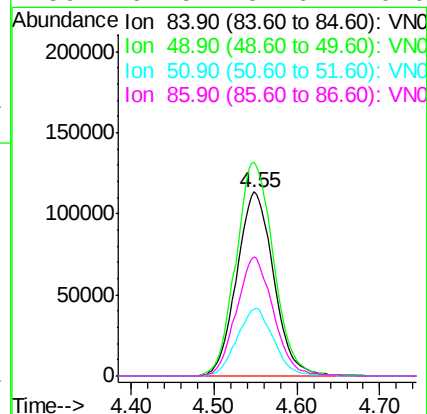
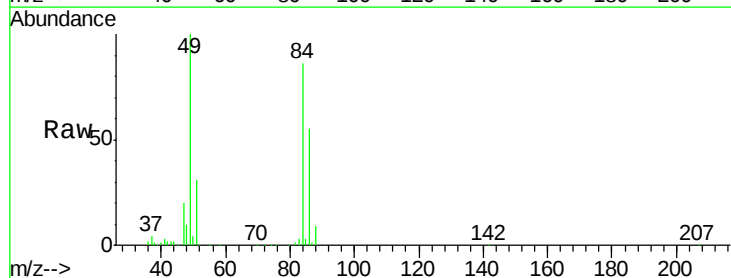
Instrument :
MSVOA_N
ClientSampleID :
VN0702WBSD01

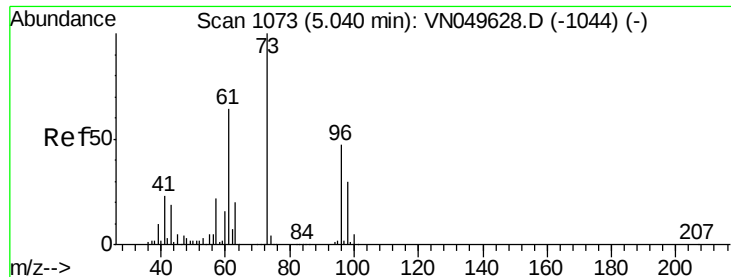
Tot Ion: 73 Resp: 820336
Ion Ratio Lower Upper
73 100
57 22.1 18.1 27.1



#20
Methylene Chloride
Concen: 20.33 ug/l
RT: 4.55 min Scan# 920
Delta R.T. 0.00 min
Lab File: VN049664.D
Acq: 2 Jul 2018 13:00

Tgt Ion: 84 Resp: 351791
Ion Ratio Lower Upper
84 100
49 116.2 95.4 143.2
51 36.2 28.4 42.6
86 64.5 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 19.72 ug/l

RT: 5.04 min Scan# 1073

Delta R.T. 0.00 min

Lab File: VN049664.D

Acq: 2 Jul 2018 13:00

Instrument :

MSVOA_N

ClientSampleId :

VN0702WBSD01

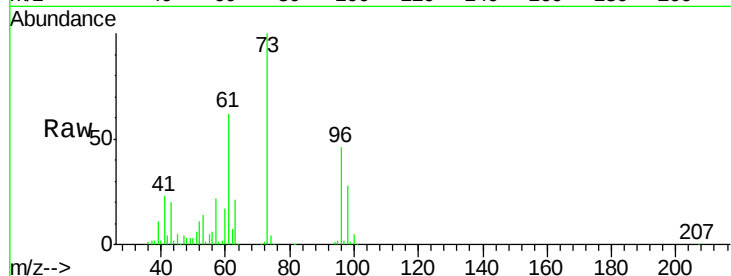
Tot Ion: 96 Resp: 303292

Ion Ratio Lower Upper

96 100

61 136.5 109.0 163.6

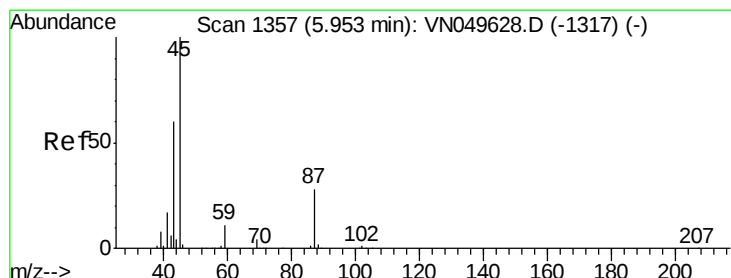
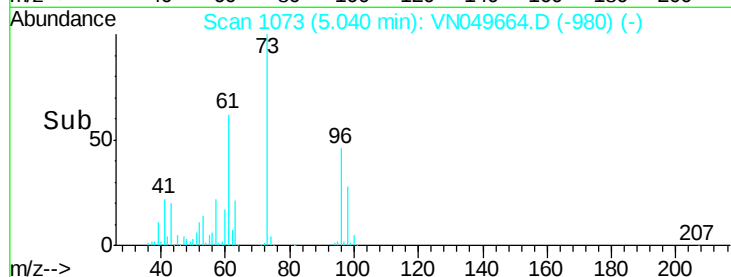
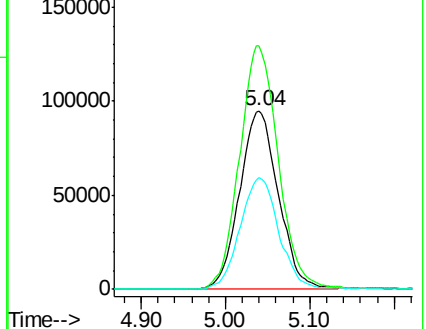
98 62.5 51.1 76.7



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 20.60 ug/l

RT: 5.96 min Scan# 1358

Delta R.T. 0.00 min

Lab File: VN049664.D

Acq: 2 Jul 2018 13:00

Tgt Ion: 45 Resp: 956821

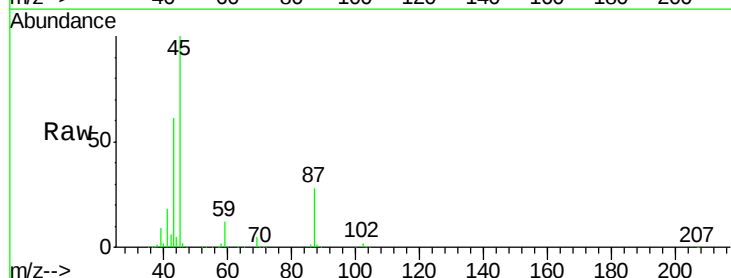
Ion Ratio Lower Upper

45 100

43 61.0 48.1 72.1

87 27.6 22.6 34.0

59 12.2 9.2 13.8

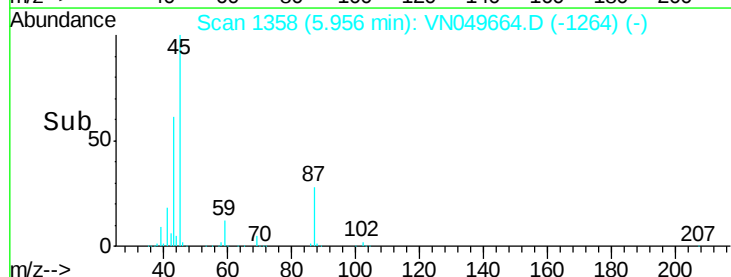
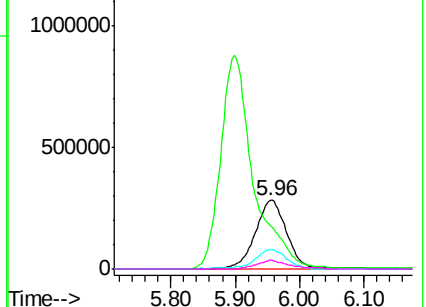


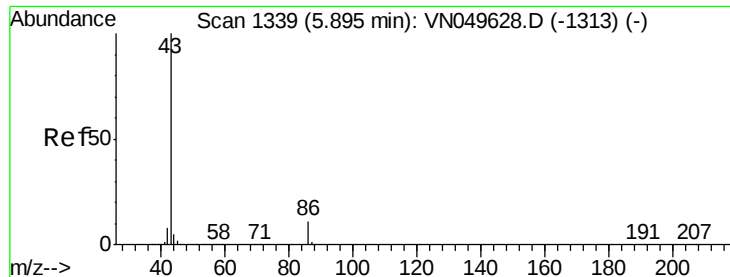
Abundance Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 103.55 ug/l

RT: 5.90 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VN049664.D

Acq: 2 Jul 2018 13:00

Instrument :

MSVOA_N

ClientSampleID :

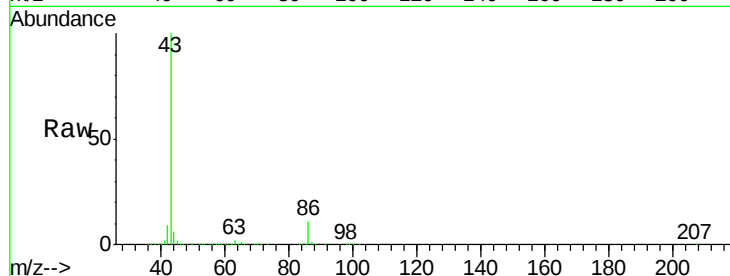
VN0702WBSD01

Tot Ion: 43 Resp: 3118228

Ion Ratio Lower Upper

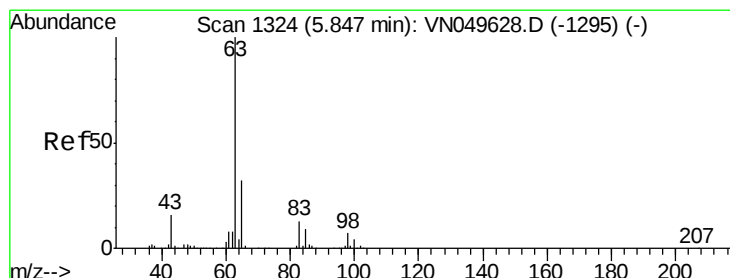
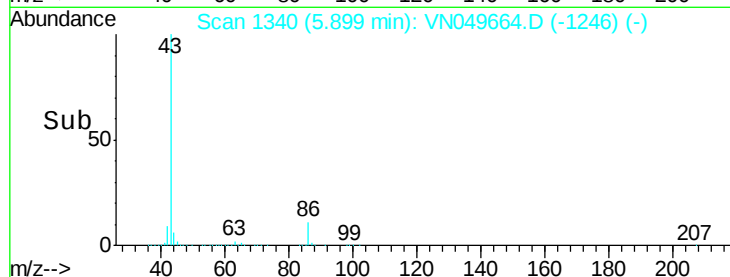
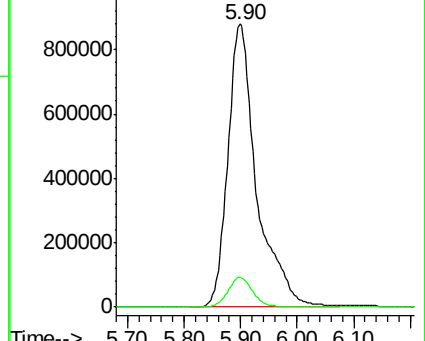
43 100

86 10.6 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: 19.78 ug/l

RT: 5.85 min Scan# 1324

Delta R.T. 0.00 min

Lab File: VN049664.D

Acq: 2 Jul 2018 13:00

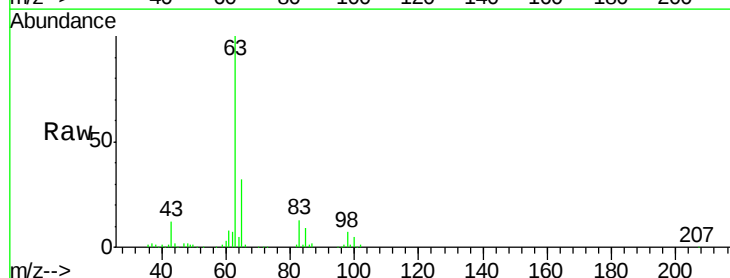
Tgt Ion: 63 Resp: 578736

Ion Ratio Lower Upper

63 100

98 6.6 3.4 10.2

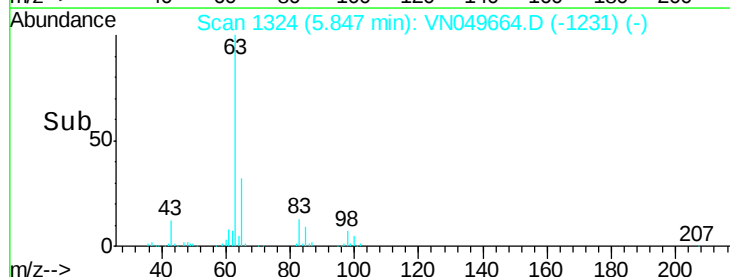
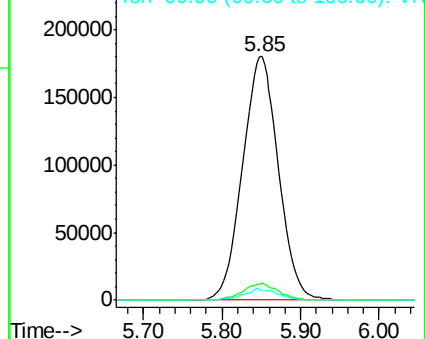
100 4.6 2.2 6.6

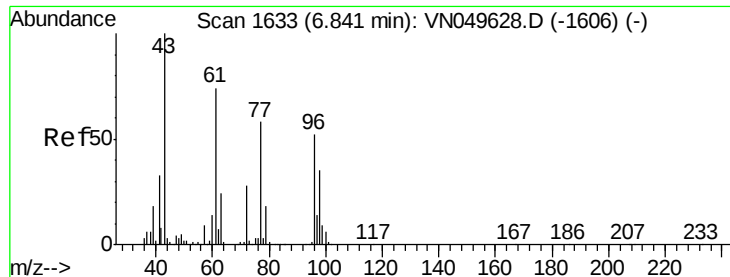


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 113.06 ug/l

RT: 6.84 min Scan# 1633

Delta R.T. 0.00 min

Lab File: VN049664.D

Acq: 2 Jul 2018 13:00

Instrument :

MSVOA_N

ClientSampleId :

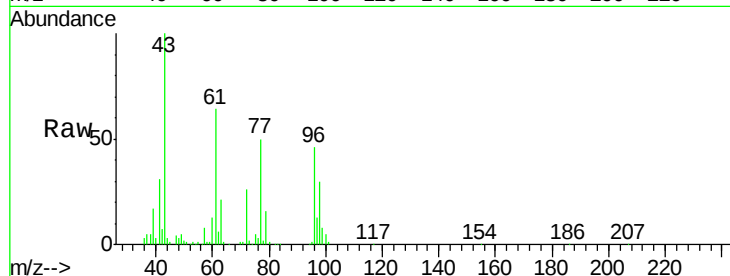
VN0702WBSD01

Tot Ion: 43 Resp: 630593

Ion Ratio Lower Upper

43 100

72 26.2 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.84

250000

200000

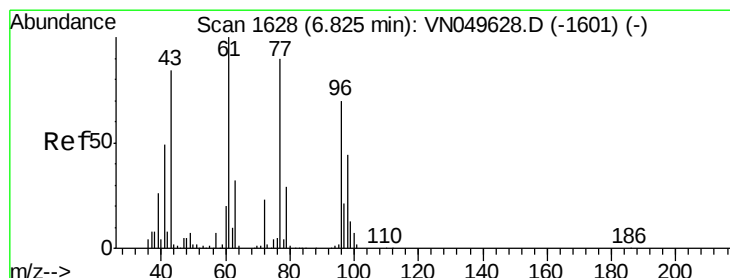
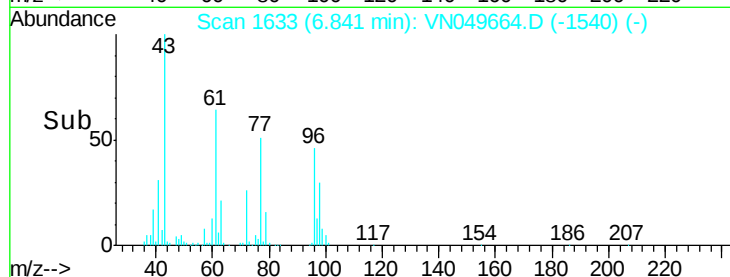
150000

100000

50000

0

Time-->



#26

2,2-Dichloropropane

Concen: 19.59 ug/l

RT: 6.82 min Scan# 1628

Delta R.T. 0.00 min

Lab File: VN049664.D

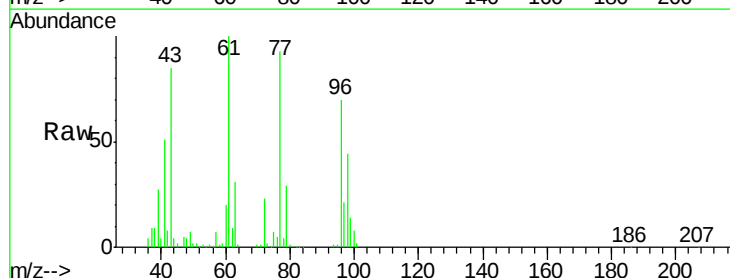
Acq: 2 Jul 2018 13:00

Tgt Ion: 77 Resp: 476003

Ion Ratio Lower Upper

77 100

97 23.4 11.9 35.5



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

6.82

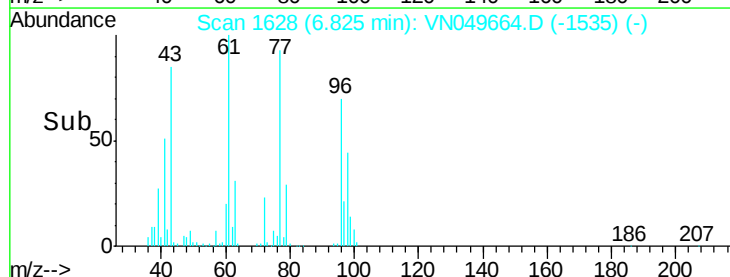
150000

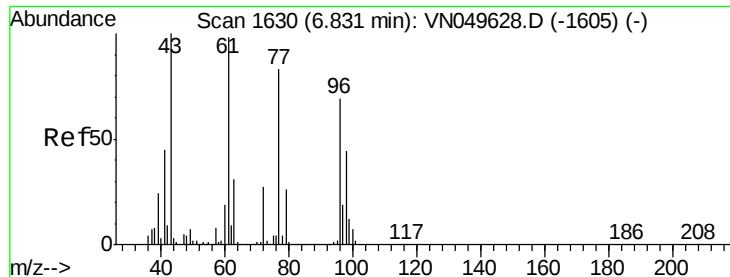
100000

50000

0

Time-->





#27

cis-1,2-Dichloroethene

Concen: 20.05 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VN049664.D

Acq: 2 Jul 2018 13:00

Instrument :

MSVOA_N

ClientSampleId :

VN0702WBSD01

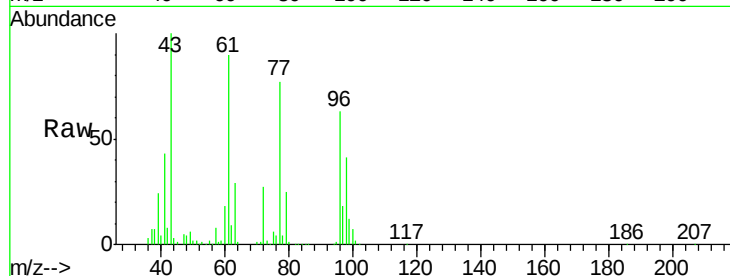
Tot Ion: 96 Resp: 344509

Ion Ratio Lower Upper

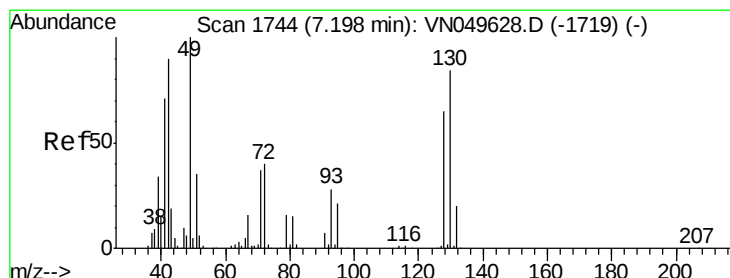
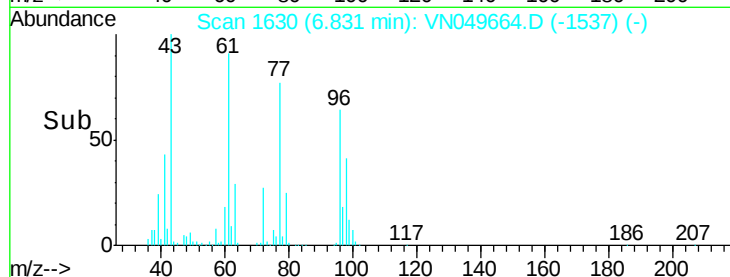
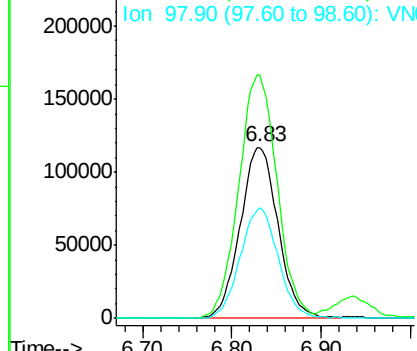
96 100

61 144.3 0.0 289.0

98 64.9 0.0 130.2



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



#28

Bromochloromethane

Concen: 19.82 ug/l

RT: 7.20 min Scan# 1744

Delta R.T. 0.00 min

Lab File: VN049664.D

Acq: 2 Jul 2018 13:00

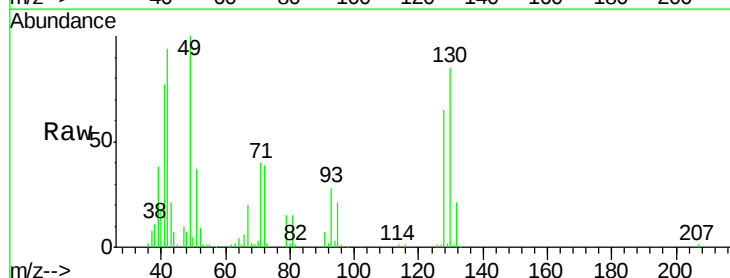
Tgt Ion: 49 Resp: 246080

Ion Ratio Lower Upper

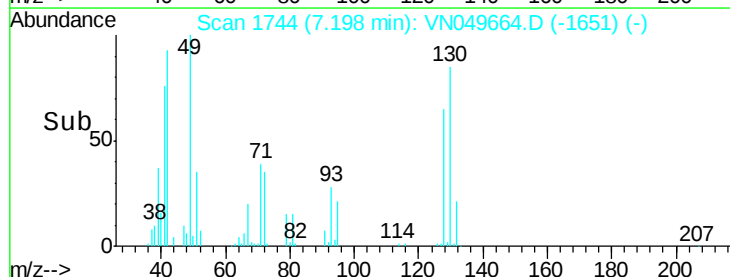
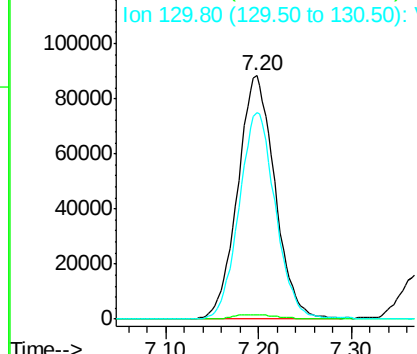
49 100

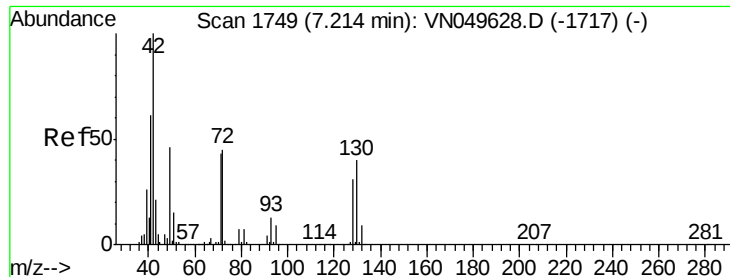
129 1.2 0.0 4.2

130 82.8 65.5 98.3



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





#29

Tetrahydrofuran

Concen: 116.89 ug/l

RT: 7.22 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VN049664.D

Acq: 2 Jul 2018 13:00

Instrument :

MSVOA_N

ClientSampleId :

VN0702WBSD01

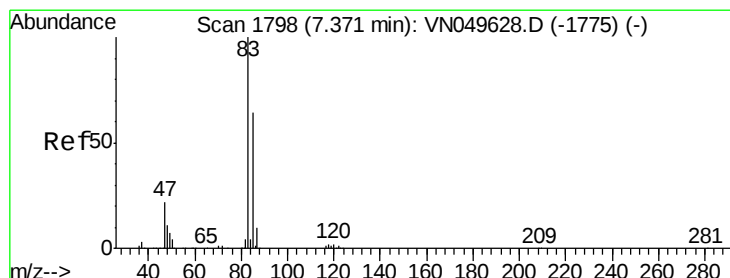
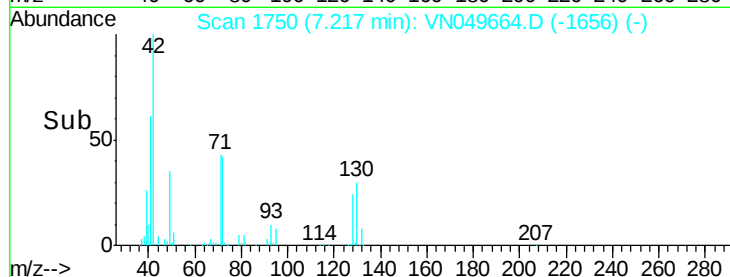
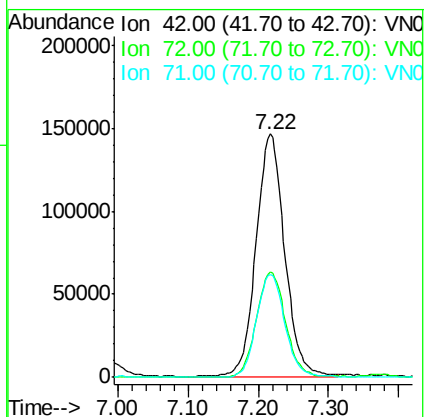
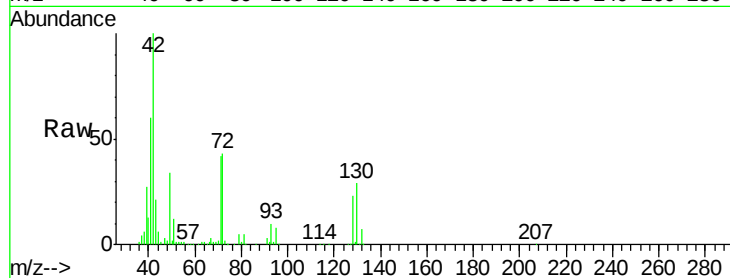
Tot Ion: 42 Resp: 41535

Ion Ratio Lower Upper

42 100

72 44.2 35.6 53.4

71 42.2 34.0 51.0



#30

Chloroform

Concen: 19.92 ug/l

RT: 7.37 min Scan# 1799

Delta R.T. 0.00 min

Lab File: VN049664.D

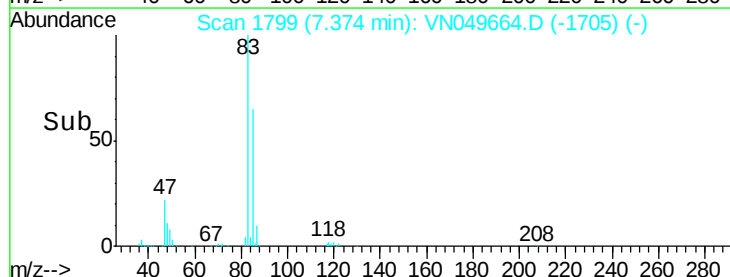
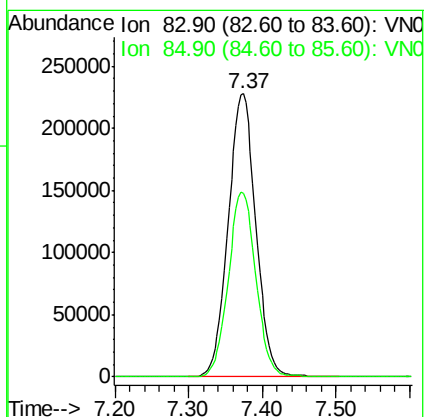
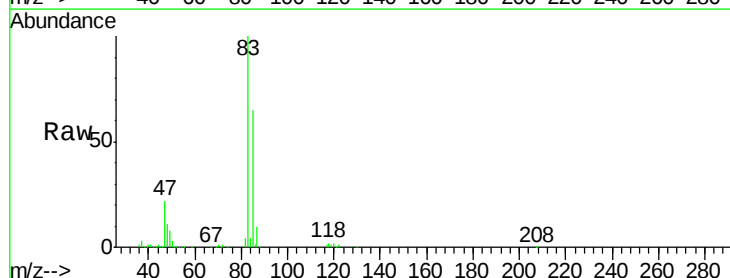
Acq: 2 Jul 2018 13:00

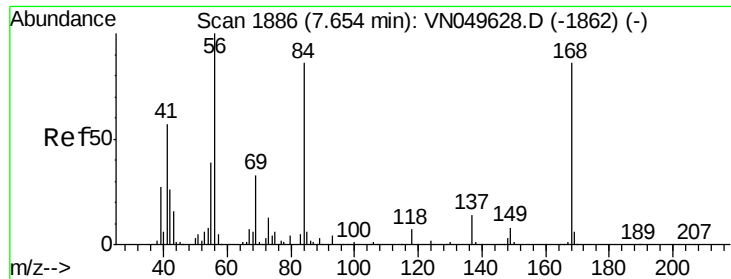
Tgt Ion: 83 Resp: 594092

Ion Ratio Lower Upper

83 100

85 65.0 51.4 77.2

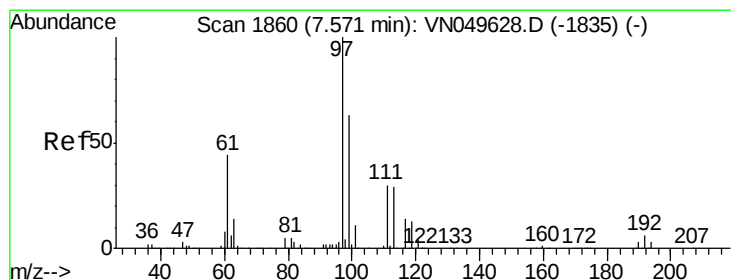
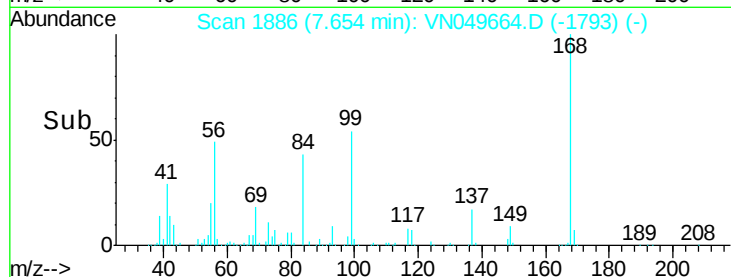
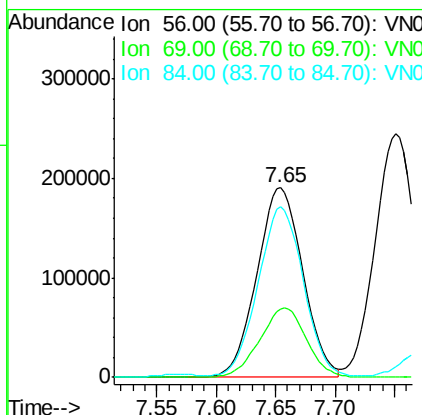
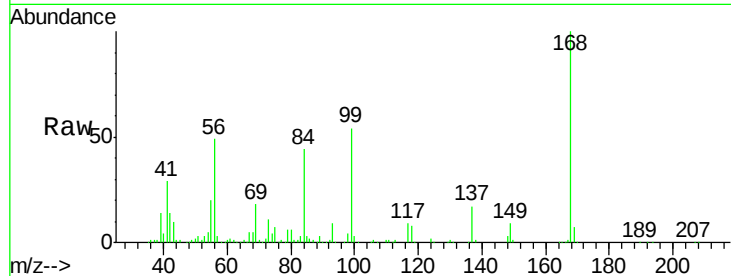




#31
Cyclohexane
Concen: 19.89 ug/l
RT: 7.65 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VN049664.D
Acq: 2 Jul 2018 13:00

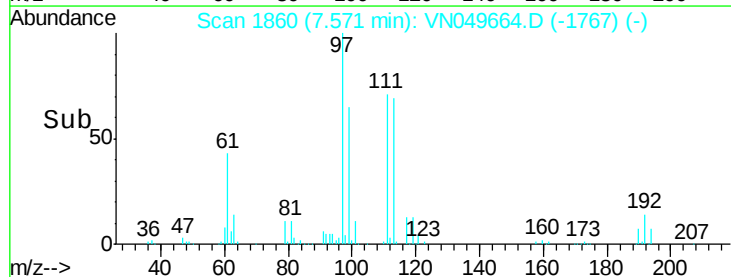
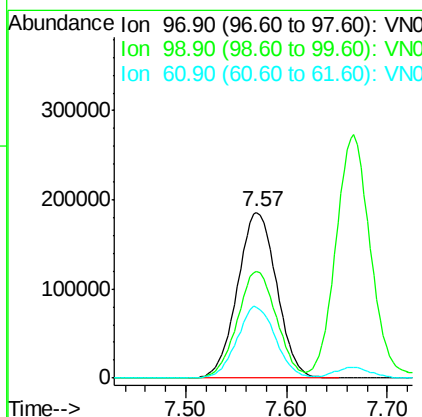
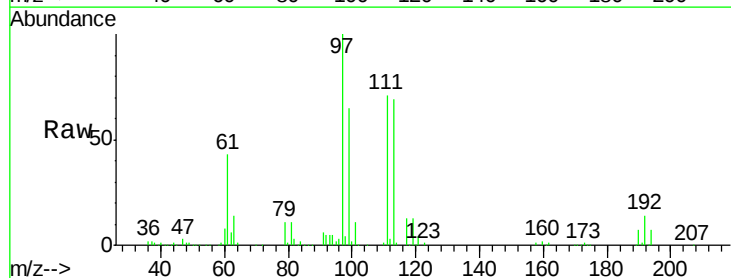
Instrument :
MSVOA_N
ClientSampleId :
VN0702WBSD01

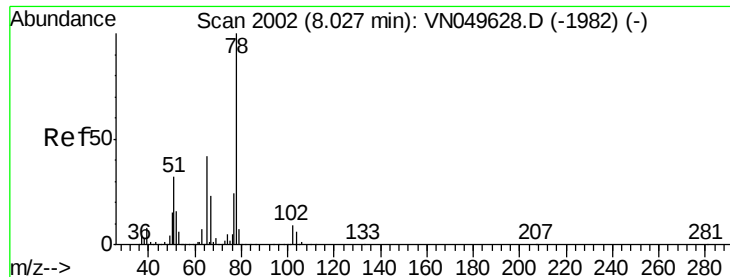
Tot Ion: 56 Resp: 510081
Ion Ratio Lower Upper
56 100
69 36.2 26.6 40.0
84 88.5 69.0 103.6



#32
1,1,1-Trichloroethane
Concen: 19.87 ug/l
RT: 7.57 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN049664.D
Acq: 2 Jul 2018 13:00

Tgt Ion: 97 Resp: 501703
Ion Ratio Lower Upper
97 100
99 64.4 51.0 76.4
61 42.5 35.5 53.3

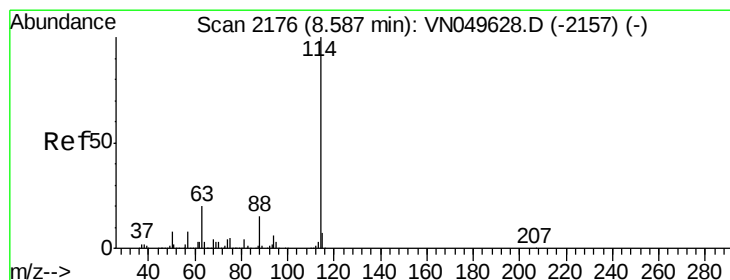
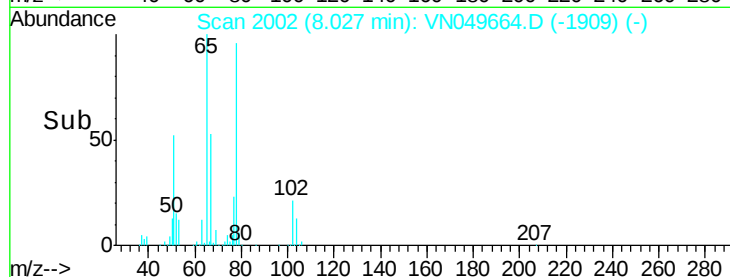
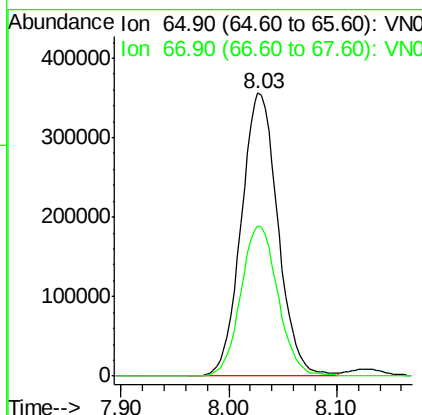
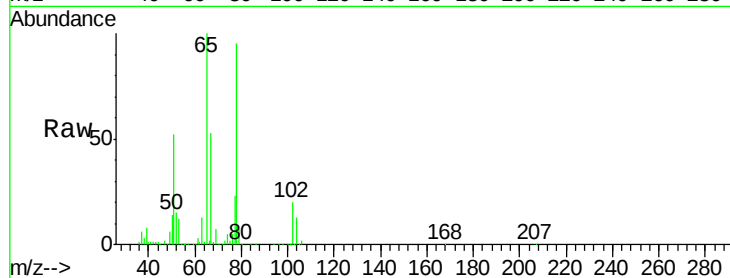




#33
 1,2-Dichloroethane-d4
 Concen: 50.15 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. 0.00 min
 Lab File: VN049664.D
 Acq: 2 Jul 2018 13:00

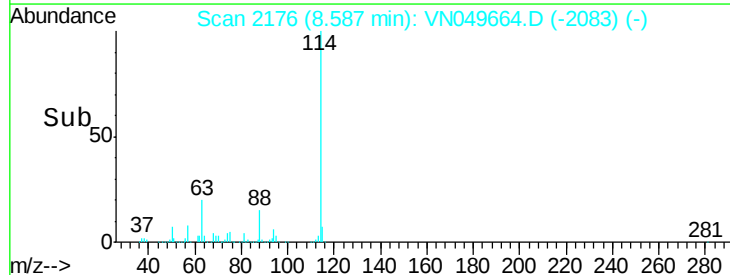
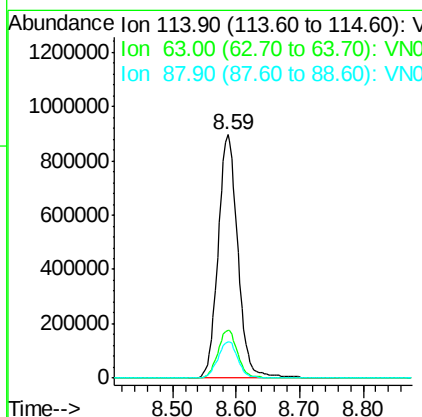
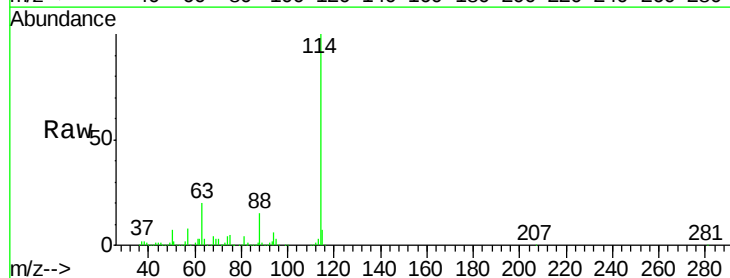
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0702WBSD01

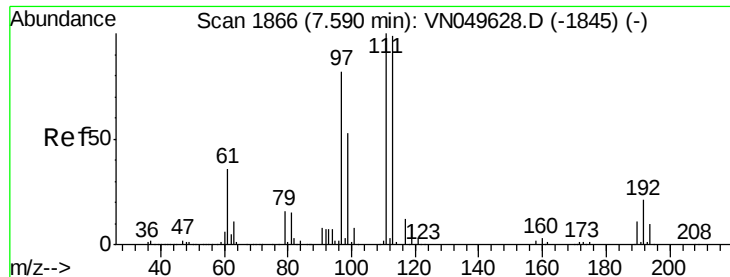
Tot Ion: 65 Resp: 842481
 Ion Ratio Lower Upper
 65 100
 67 53.8 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN049664.D
 Acq: 2 Jul 2018 13:00

Tgt Ion: 114 Resp: 1929809
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 39.8
 88 15.2 0.0 30.6

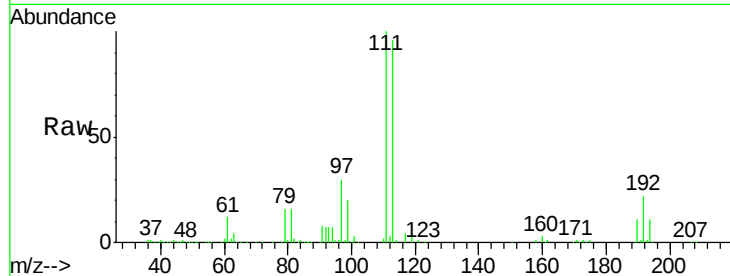




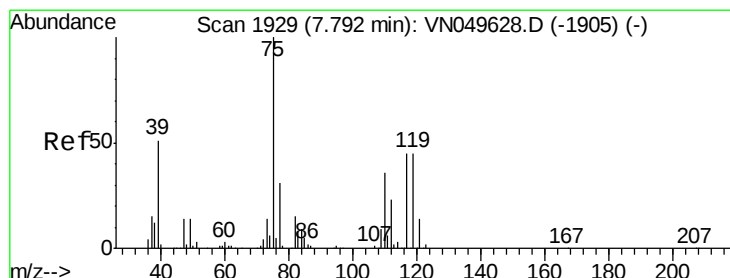
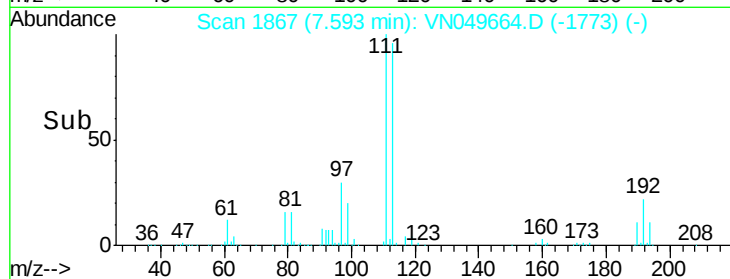
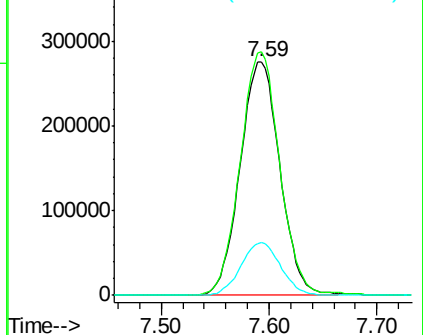
#35
 Dibromofluoromethane
 Concen: 49.12 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN049664.D
 Acq: 2 Jul 2018 13:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0702WBSD01

Tot Ion:113 Resp: 708724
 Ion Ratio Lower Upper
 113 100
 111 102.9 81.8 122.8
 192 22.6 17.8 26.6

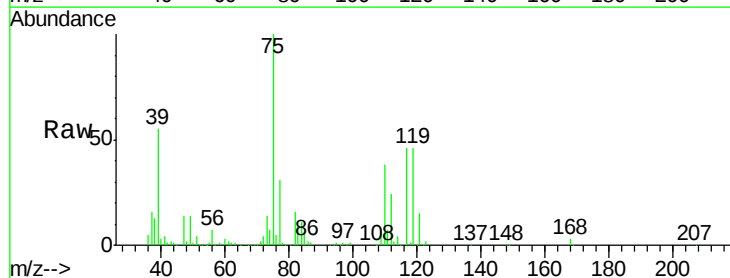


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

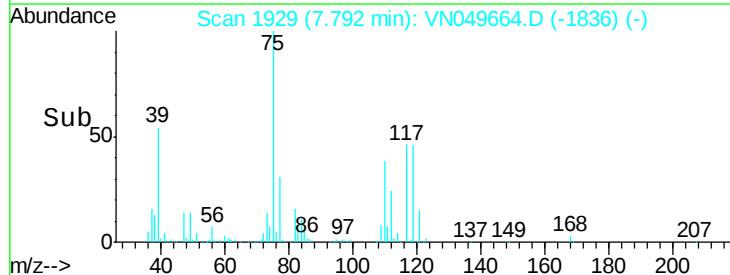
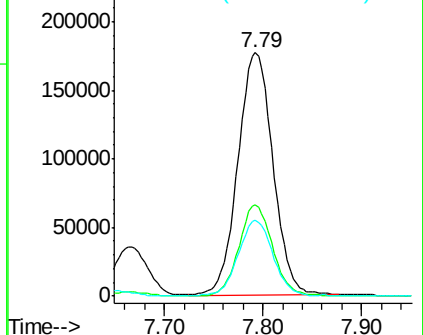


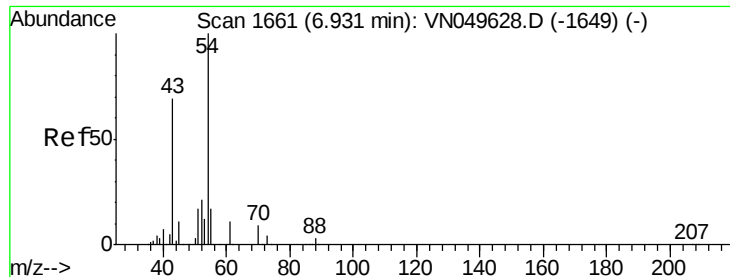
#36
 1,1-Dichloropropene
 Concen: 19.97 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. 0.00 min
 Lab File: VN049664.D
 Acq: 2 Jul 2018 13:00

Tgt Ion: 75 Resp: 433592
 Ion Ratio Lower Upper
 75 100
 110 36.6 18.1 54.4
 77 31.4 24.9 37.3



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V

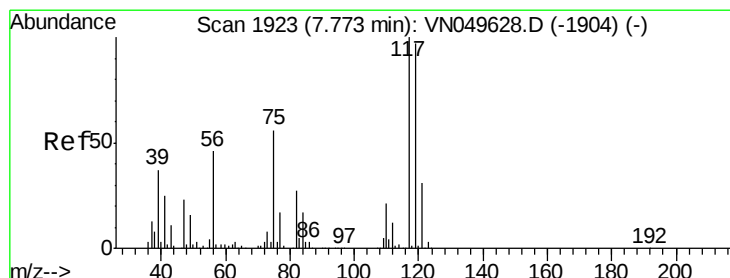
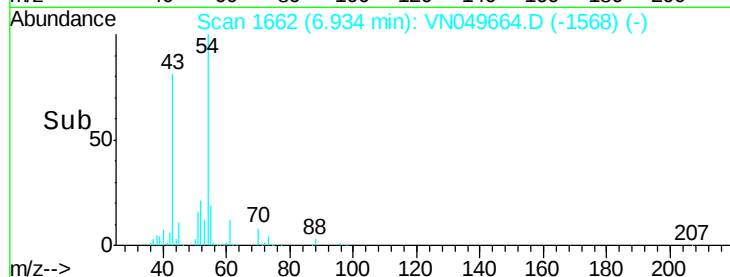
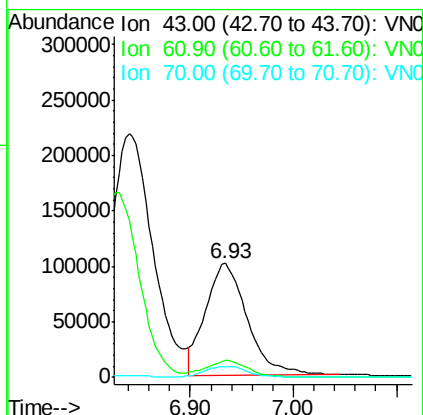
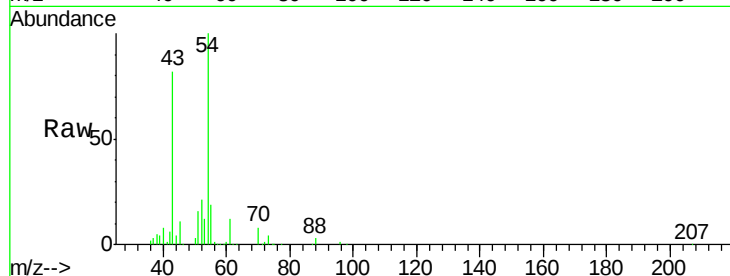




#37
Ethyl Acetate
Concen: 22.59 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VN049664.D
Acq: 2 Jul 2018 13:00

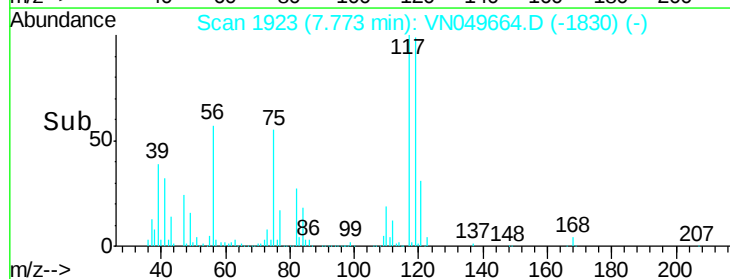
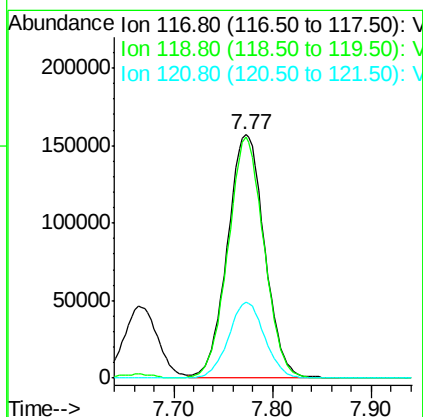
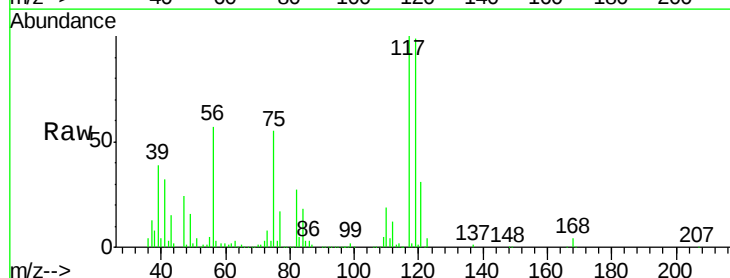
Instrument :
MSVOA_N
ClientSampleID :
VN0702WBSD01

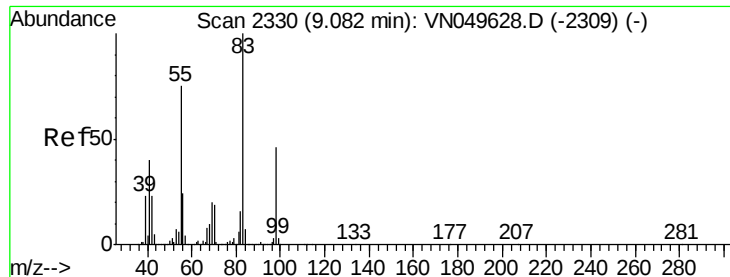
Tot Ion: 43 Resp: 286097
Ion Ratio Lower Upper
43 100
61 14.3 11.7 17.5
70 10.0 8.4 12.6



#38
Carbon Tetrachloride
Concen: 19.38 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VN049664.D
Acq: 2 Jul 2018 13:00

Tgt Ion: 117 Resp: 409307
Ion Ratio Lower Upper
117 100
119 99.0 77.2 115.8
121 31.2 25.0 37.6

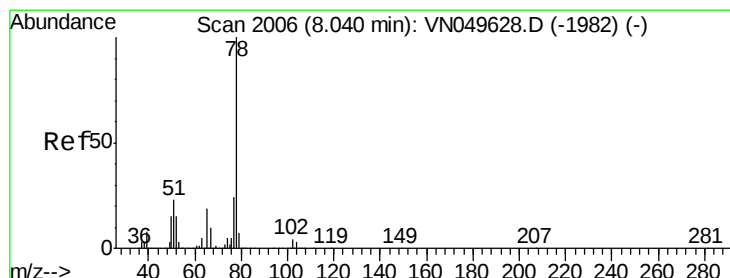
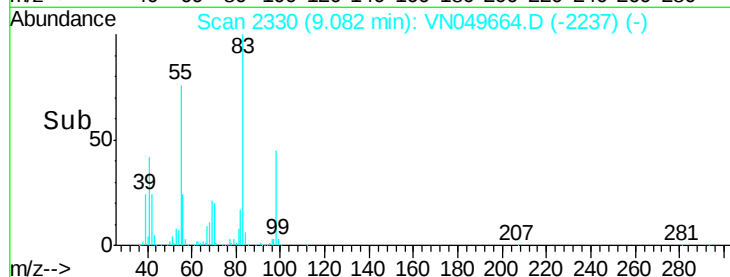
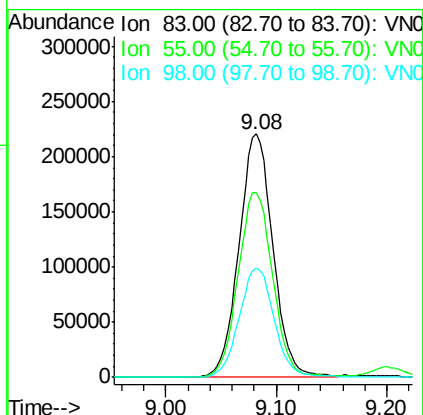
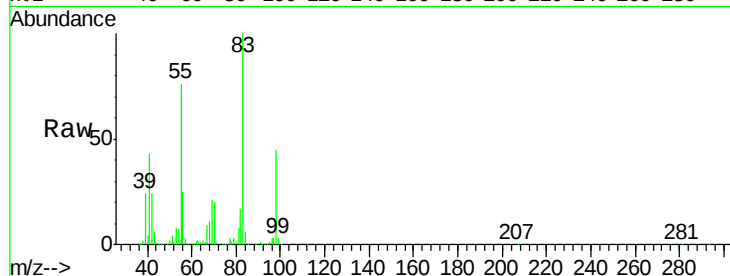




#39
Methvlcvclohexane
Concen: 19.79 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN049664.D
Acq: 2 Jul 2018 13:00

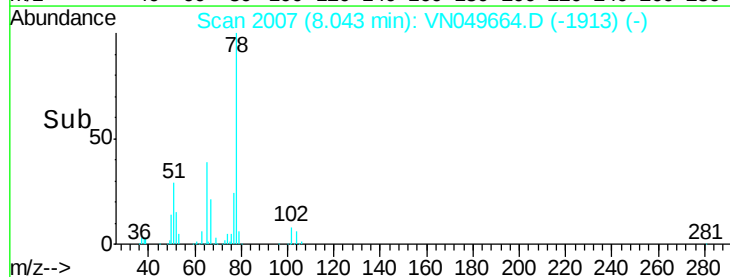
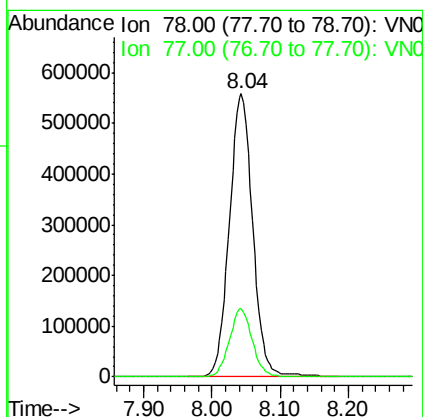
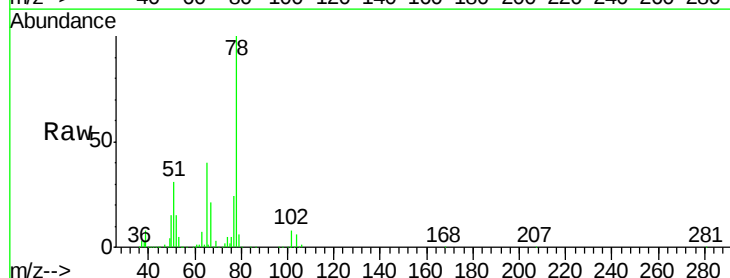
Instrument :
MSVOA_N
ClientSampleId :
VN0702WBSD01

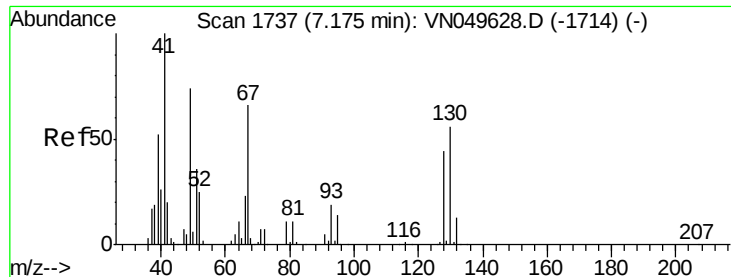
Tot Ion: 83 Resp: 471059
Ion Ratio Lower Upper
83 100
55 76.0 59.7 89.5
98 44.7 36.5 54.7



#40
Benzene
Concen: 20.05 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN049664.D
Acq: 2 Jul 2018 13:00

Tgt Ion: 78 Resp: 1329282
Ion Ratio Lower Upper
78 100
77 24.0 19.0 28.4

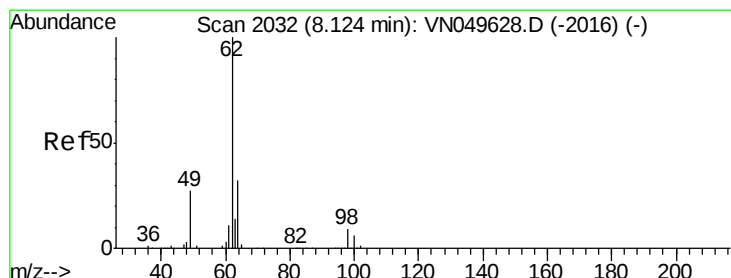
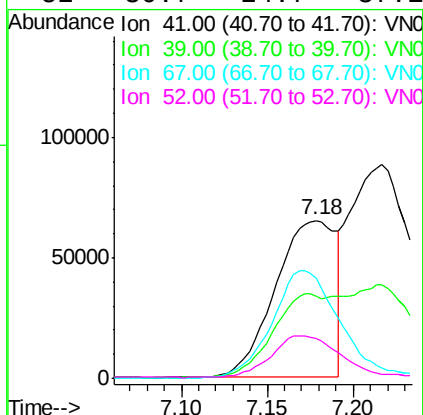
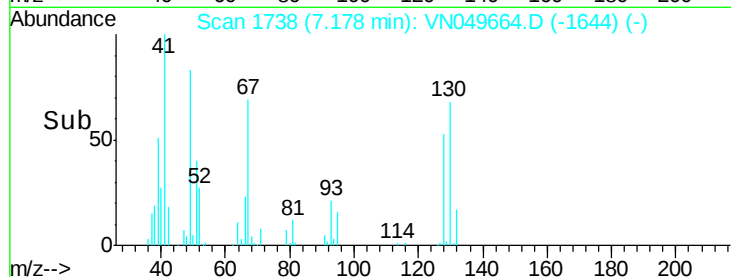
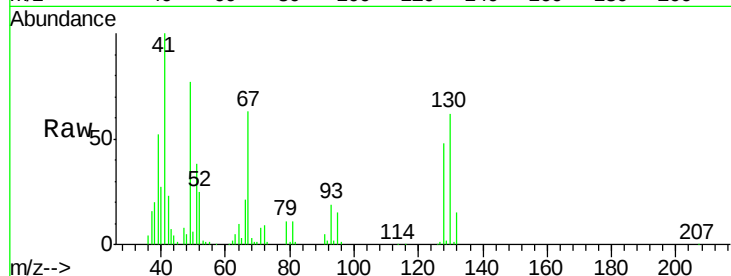




#41
Methacrylonitrile
Concen: 22.41 ug/l
RT: 7.18 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN049664.D
Acq: 2 Jul 2018 13:00

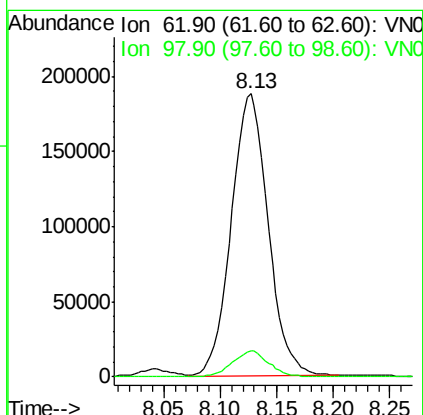
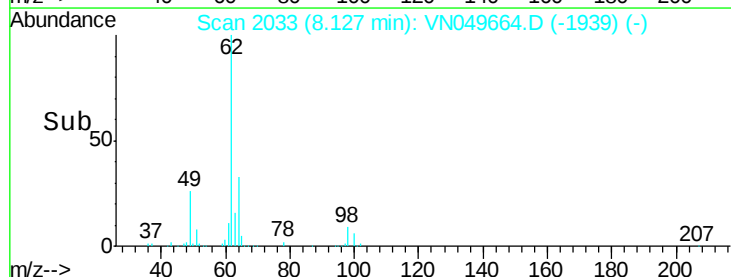
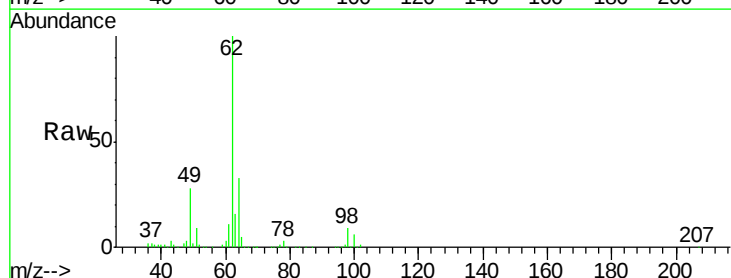
Instrument :
MSVOA_N
ClientSampled :
VN0702WBSD01

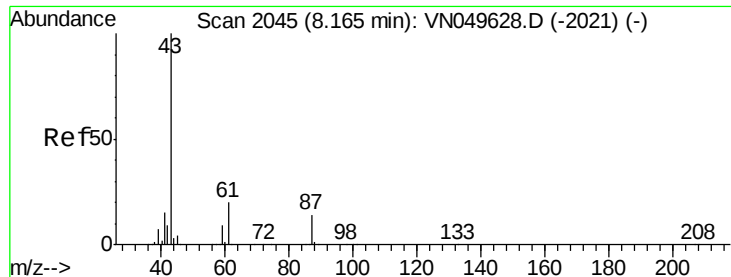
Tot Ion: 41 Resp: 159950
Ion Ratio Lower Upper
41 100
39 42.0 45.4 68.2#
67 78.4 65.4 98.0
52 30.7 24.7 37.1



#42
1,2-Dichloroethane
Concen: 20.09 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN049664.D
Acq: 2 Jul 2018 13:00

Tgt Ion: 62 Resp: 424982
Ion Ratio Lower Upper
62 100
98 9.2 0.0 19.0



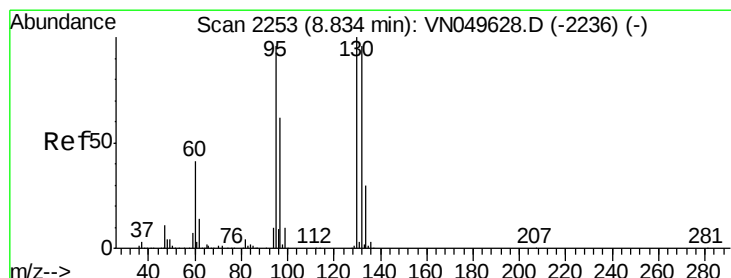
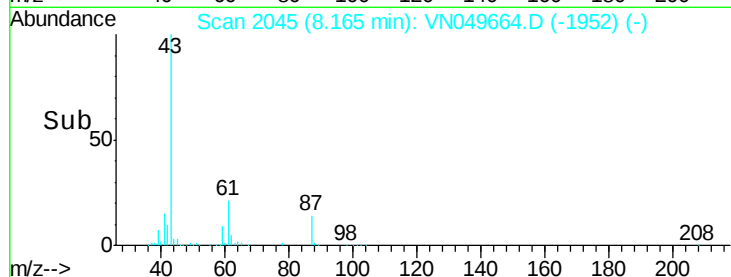
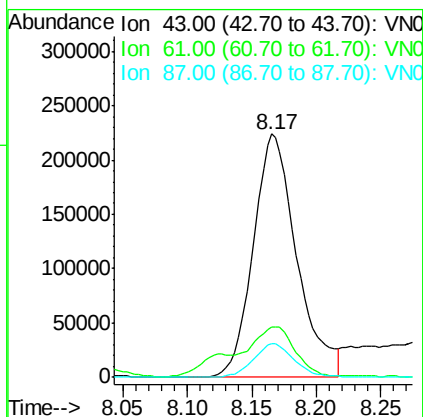
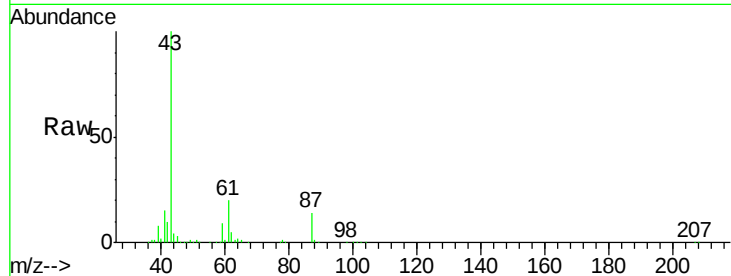


#43

Isopropyl Acetate
 Concen: 20.51 ug/l
 RT: 8.17 min Scan# 2045
 Delta R.T. 0.00 min
 Lab File: VN049664.D
 Acq: 2 Jul 2018 13:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0702WBSD01

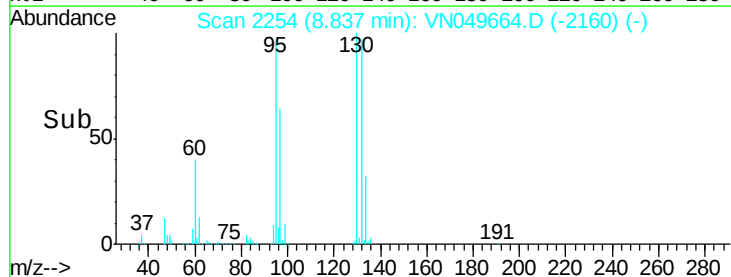
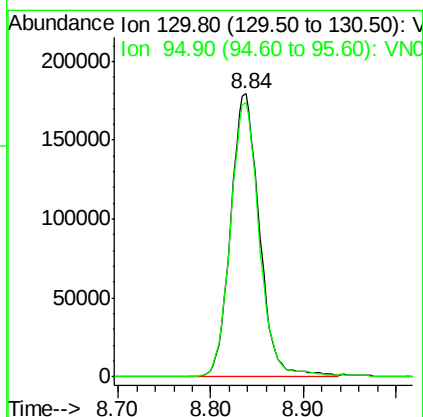
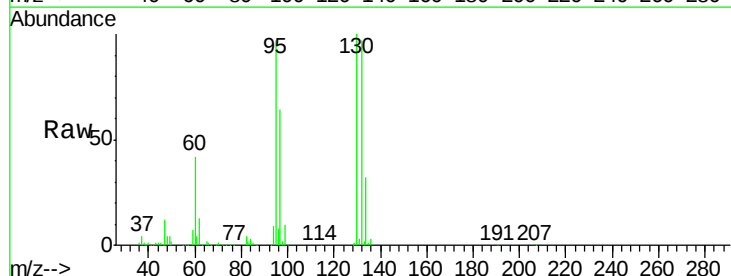
Tot Ion	Ratio	Lower	Upper
43	100		
61	19.2	14.9	22.3
87	13.0	10.0	15.0

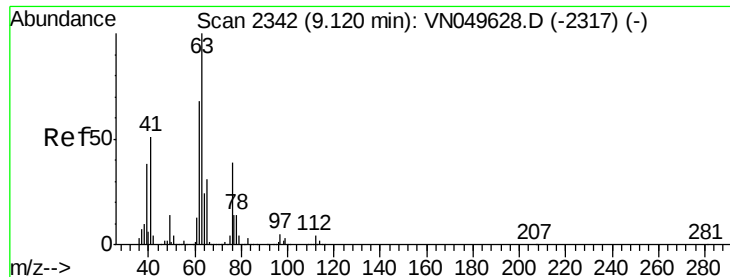


#44

Trichloroethene
 Concen: 19.35 ug/l
 RT: 8.84 min Scan# 2254
 Delta R.T. 0.00 min
 Lab File: VN049664.D
 Acq: 2 Jul 2018 13:00

Tgt Ion	Ratio	Lower	Upper
130	100		
95	97.1	0.0	192.8

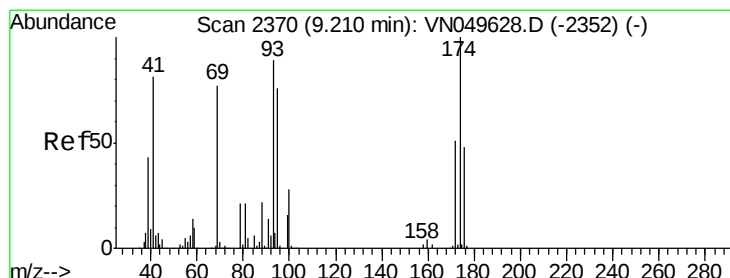
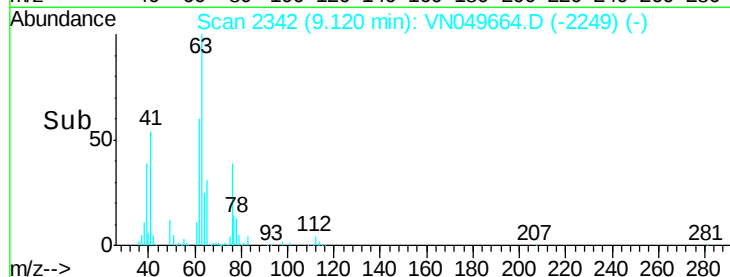
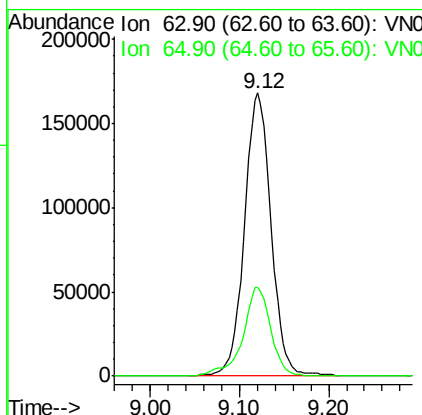
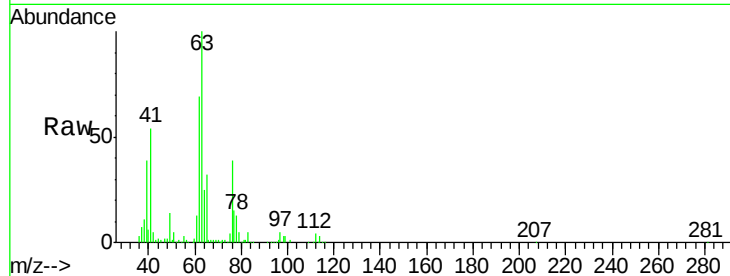




#45
 1,2-Dichloropropane
 Concen: 20.40 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. 0.00 min
 Lab File: VN049664.D
 Acq: 2 Jul 2018 13:00

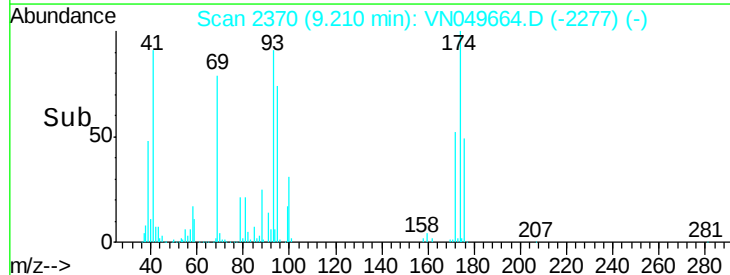
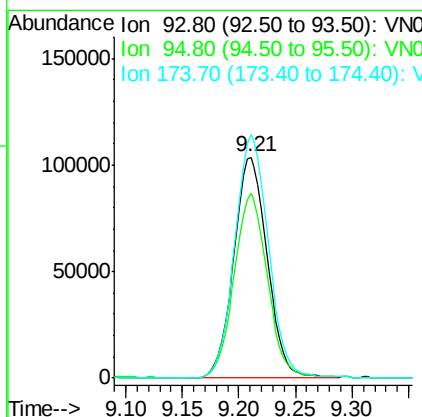
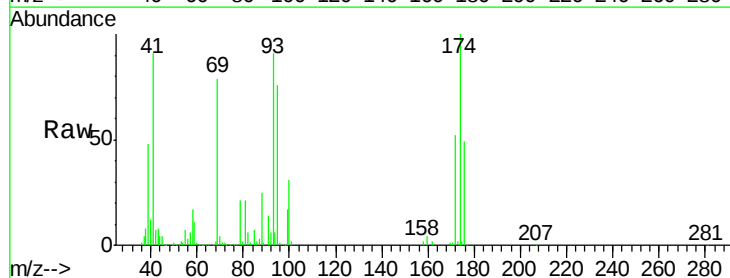
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0702WBSD01

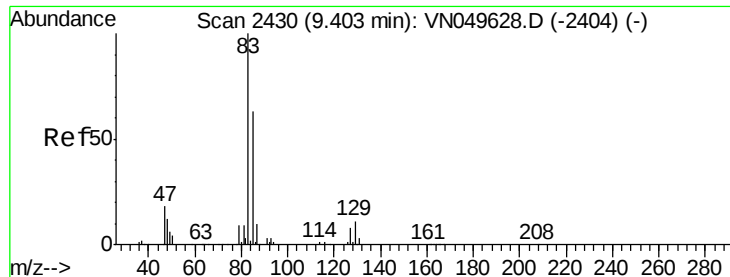
Tot Ion: 63 Resp: 349342
 Ion Ratio Lower Upper
 63 100
 65 31.4 24.7 37.1



#46
 Dibromomethane
 Concen: 20.70 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN049664.D
 Acq: 2 Jul 2018 13:00

Tgt Ion: 93 Resp: 214490
 Ion Ratio Lower Upper
 93 100
 95 83.1 67.9 101.9
 174 110.3 89.4 134.0





#47

Bromodichloromethane

Concen: 20.23 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VN049664.D

Acq: 2 Jul 2018 13:00

Instrument :

MSVOA_N

ClientSampleId :

VN0702WBSD01

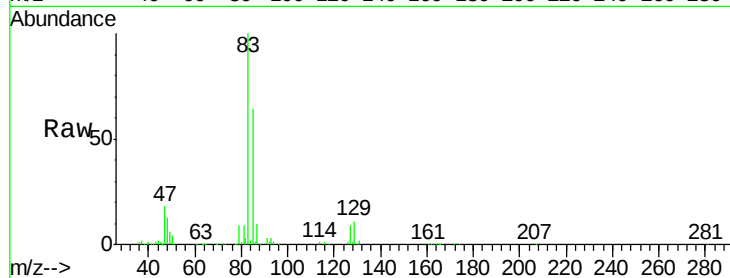
Tot Ion: 83 Resp: 446229

Ion Ratio Lower Upper

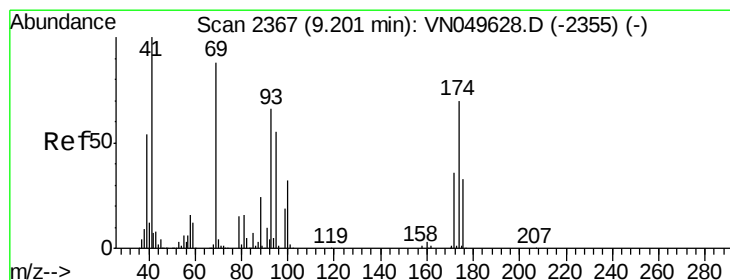
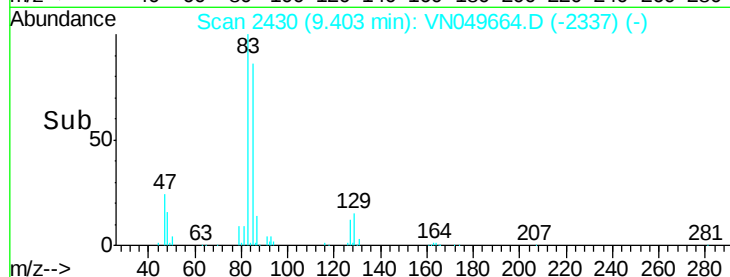
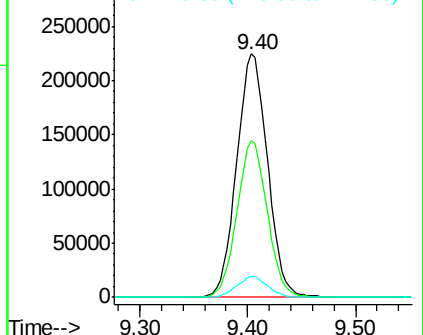
83 100

85 64.1 50.5 75.7

127 8.7 6.8 10.2



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



#48

Methyl methacrylate

Concen: 21.88 ug/l

RT: 9.20 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN049664.D

Acq: 2 Jul 2018 13:00

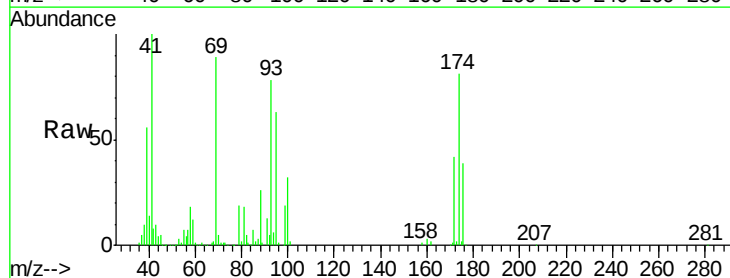
Tgt Ion: 41 Resp: 246203

Ion Ratio Lower Upper

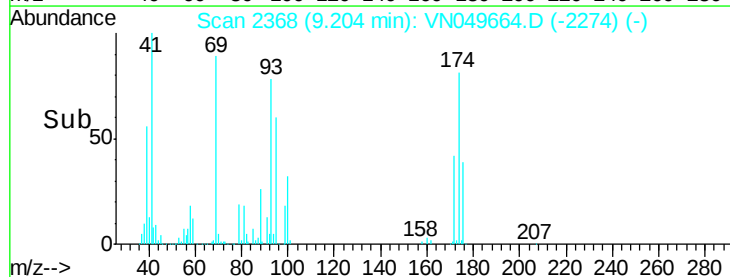
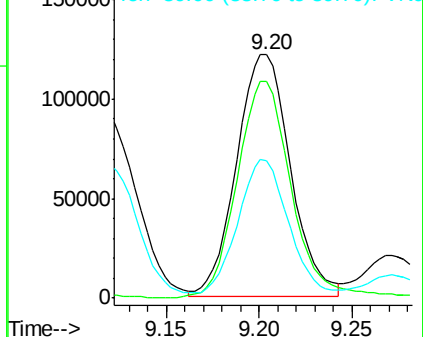
41 100

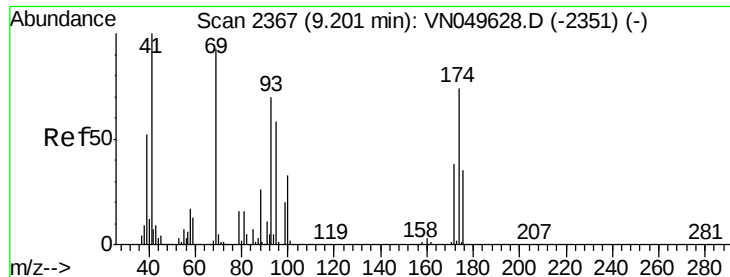
69 89.1 71.5 107.3

39 53.5 44.7 67.1



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0





#49

1,4-Dioxane

Concen: 448.53 ug/l

RT: 9.20 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN049664.D

Acq: 2 Jul 2018 13:00

Instrument :

MSVOA_N

ClientSampleId :

VN0702WBSD01

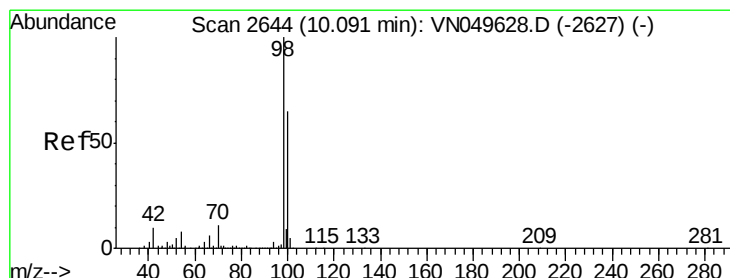
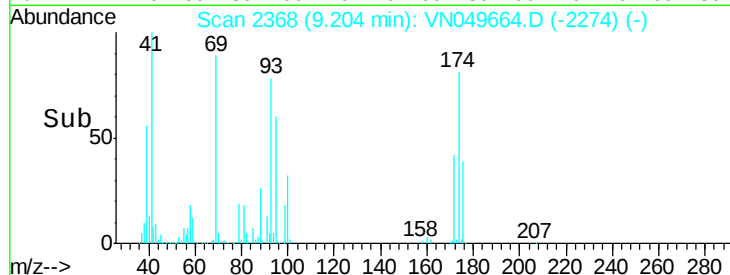
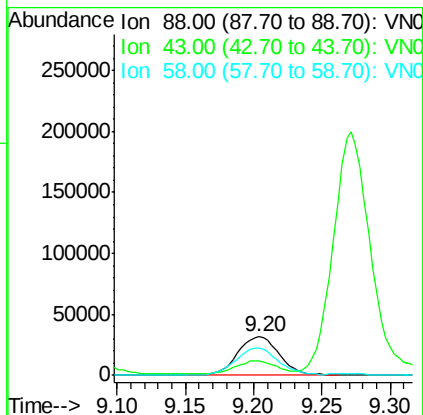
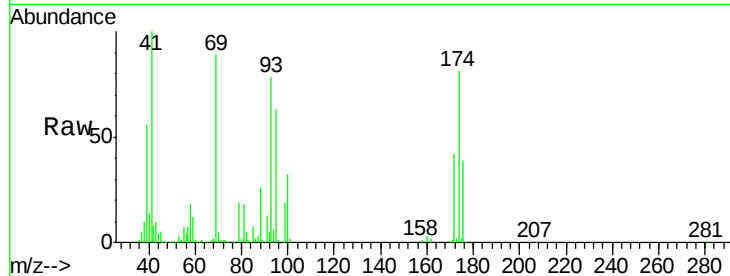
Tot Ion: 88 Resp: 67858

Ion Ratio Lower Upper

88 100

43 30.9 25.1 37.7

58 71.7 52.5 78.7



#50

Toluene-d8

Concen: 48.13 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VN049664.D

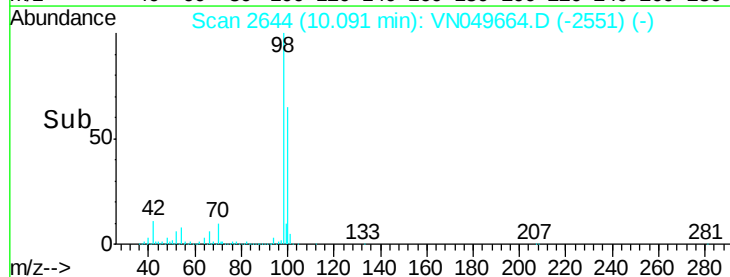
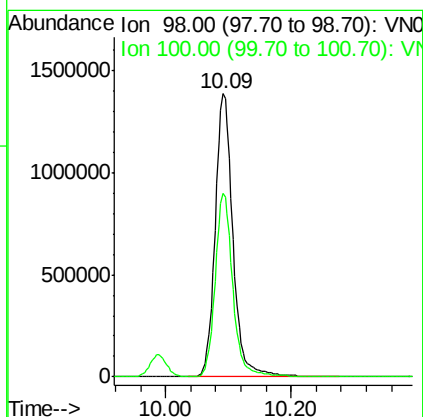
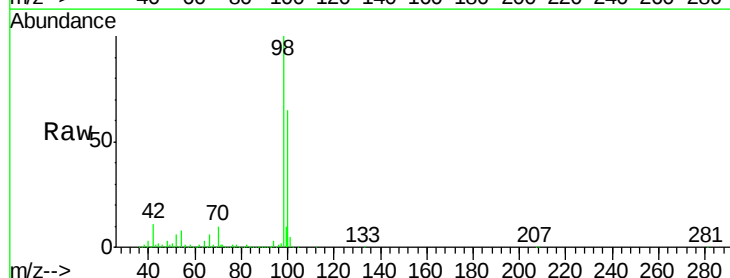
Acq: 2 Jul 2018 13:00

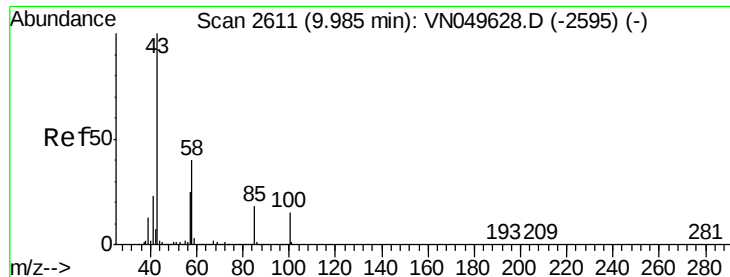
Tgt Ion: 98 Resp: 2718095

Ion Ratio Lower Upper

98 100

100 64.5 51.7 77.5

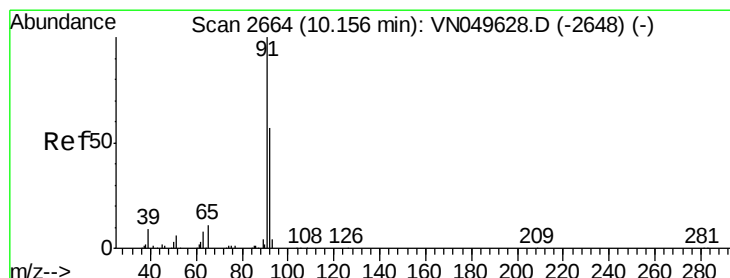
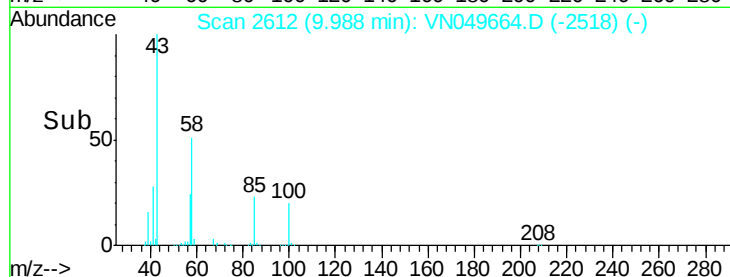
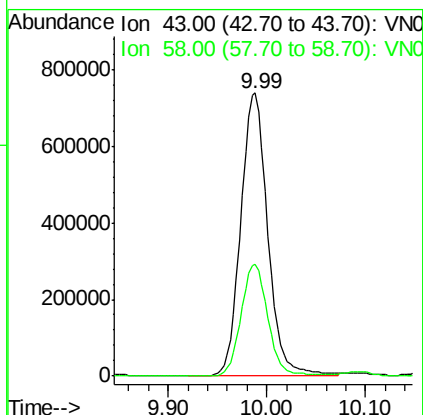
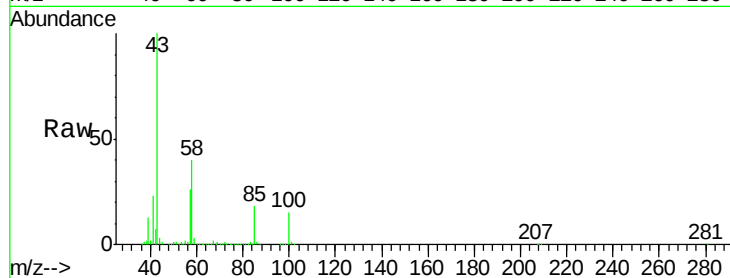




#51
 4-Methyl-2-Pentanone
 Concen: 112.55 ug/l
 RT: 9.99 min Scan# 2612
 Delta R.T. 0.00 min
 Lab File: VN049664.D
 Acq: 2 Jul 2018 13:00

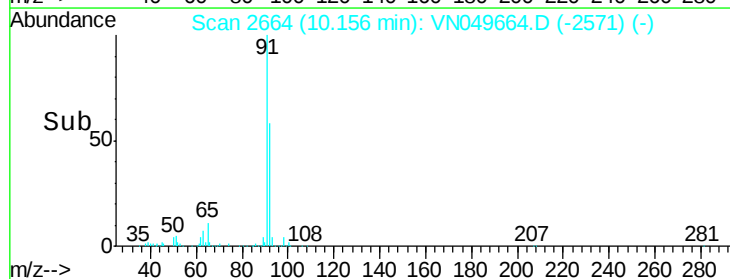
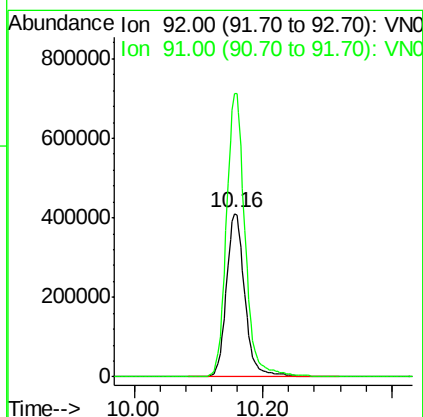
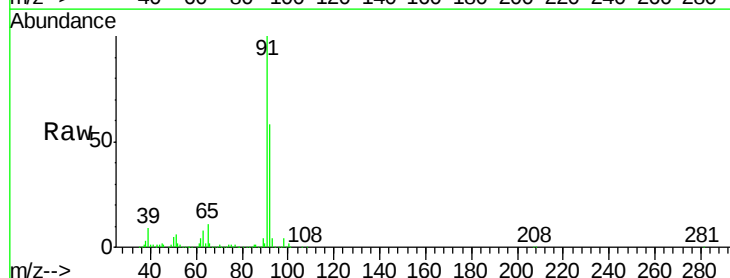
Instrument :
 MSVOA_N
 ClientSampleID :
 VN0702WBSD01

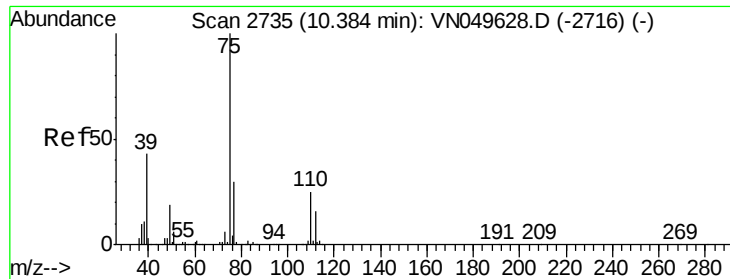
Tot Ion: 43 Resp: 1397382
 Ion Ratio Lower Upper
 43 100
 58 39.4 31.8 47.8



#52
 Toluene
 Concen: 20.37 ug/l
 RT: 10.16 min Scan# 2664
 Delta R.T. 0.00 min
 Lab File: VN049664.D
 Acq: 2 Jul 2018 13:00

Tgt Ion: 92 Resp: 815889
 Ion Ratio Lower Upper
 92 100
 91 175.2 140.1 210.1





#53

t-1,3-Dichloropropene

Concen: 20.01 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN049664.D

Acq: 2 Jul 2018 13:00

Instrument :

MSVOA_N

ClientSampled :

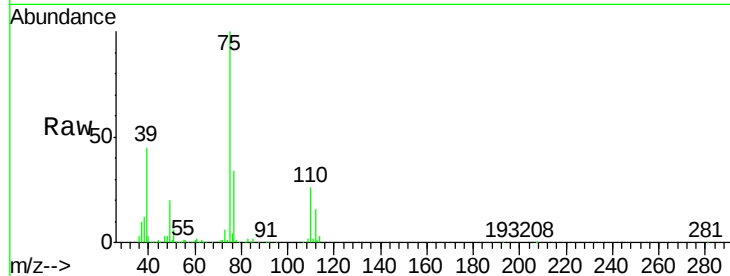
VN0702WBSD01

Tot Ion: 75 Resp: 422676

Ion Ratio Lower Upper

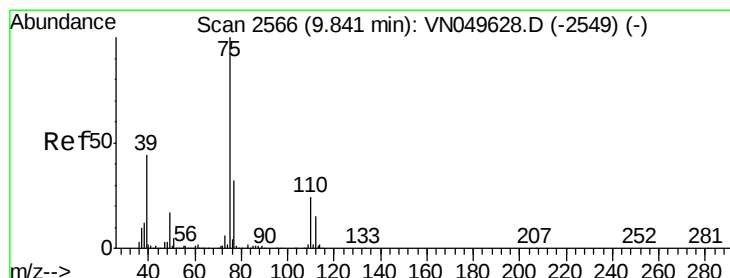
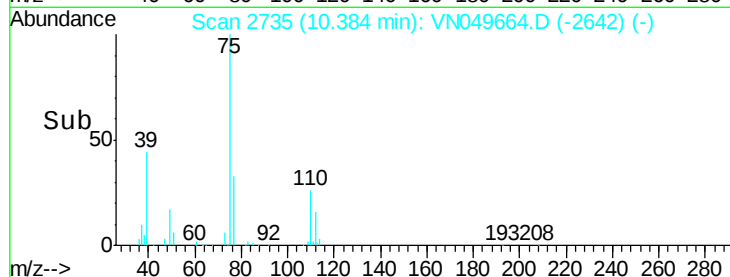
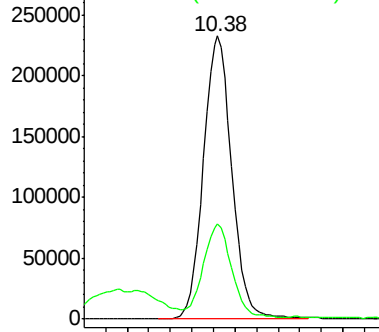
75 100

77 32.9 25.2 37.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 20.31 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VN049664.D

Acq: 2 Jul 2018 13:00

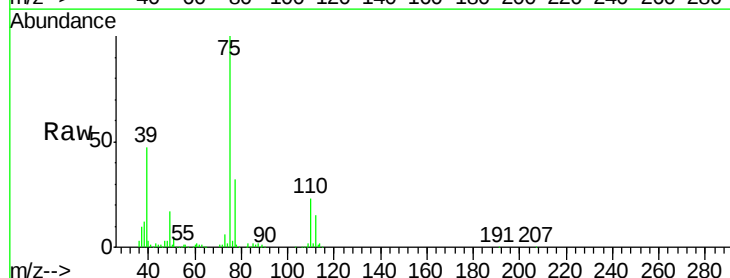
Tgt Ion: 75 Resp: 501474

Ion Ratio Lower Upper

75 100

77 32.1 25.3 37.9

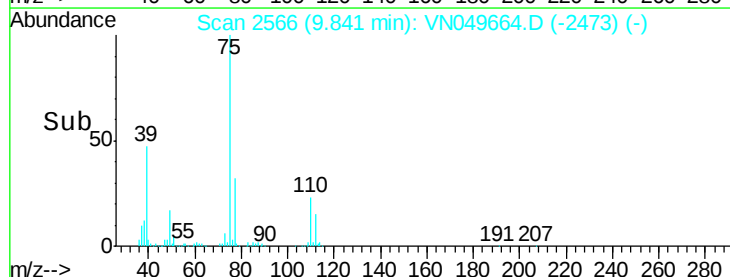
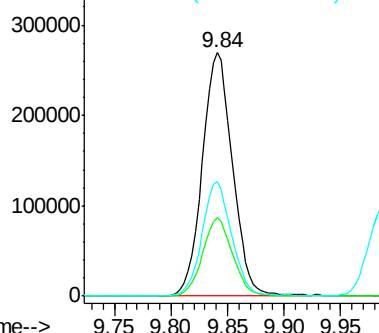
39 46.7 35.5 53.3

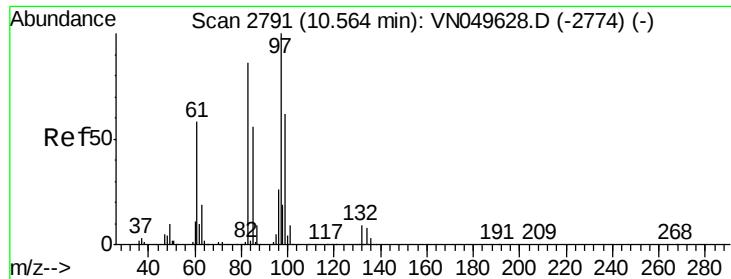


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

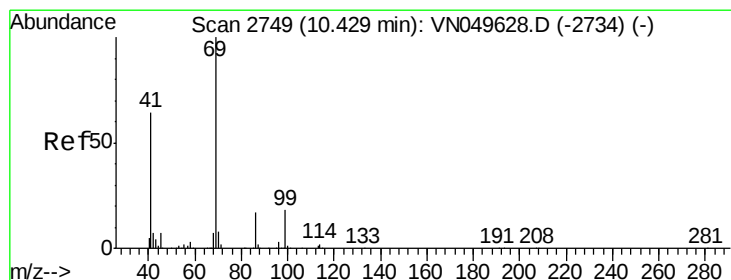
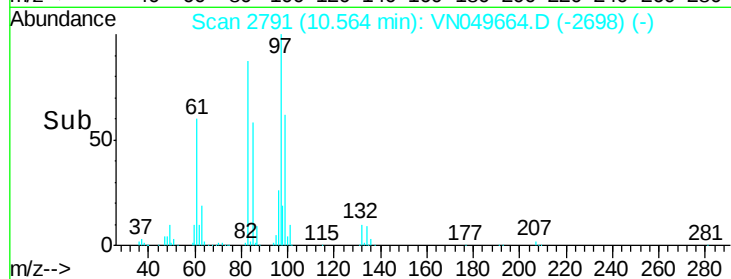
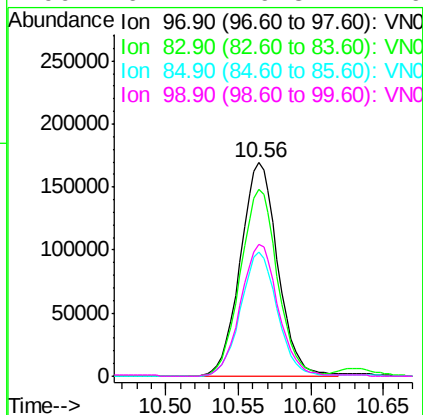
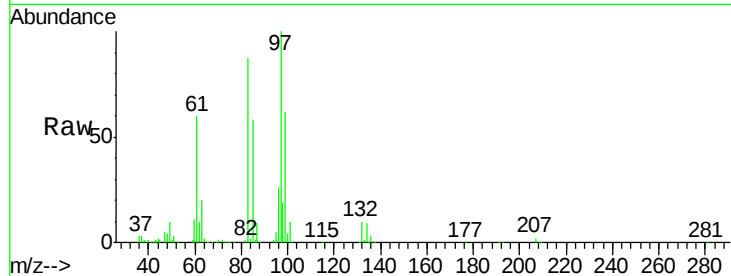




#55
 1,1,2-Trichloroethane
 Concen: 20.40 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN049664.D
 Acq: 2 Jul 2018 13:00

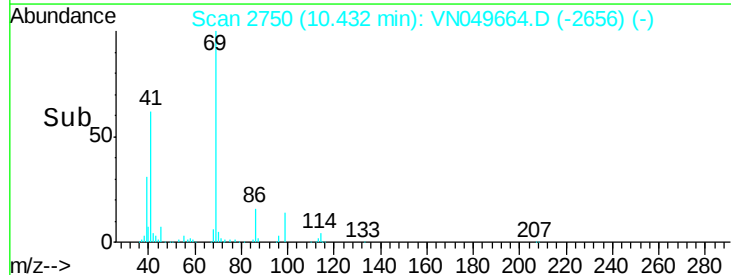
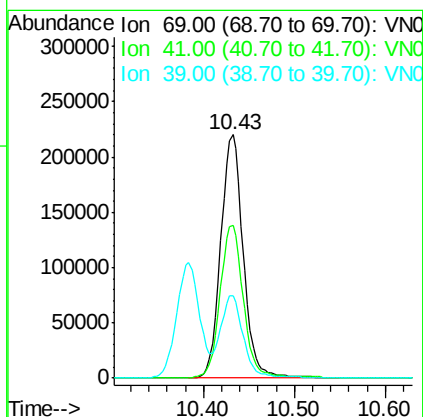
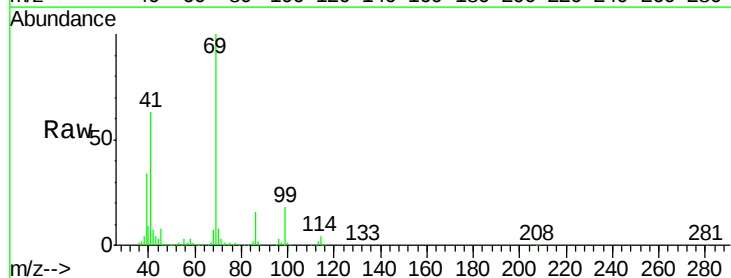
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0702WBSD01

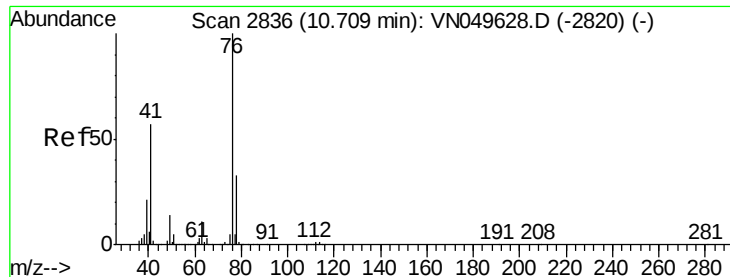
Tot Ion:	97	Resp:	304208
Ion	Ratio	Lower	Upper
97	100		
83	87.4	69.0	103.6
85	58.1	44.9	67.3
99	61.4	49.8	74.6



#56
 Ethyl methacrylate
 Concen: 21.69 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN049664.D
 Acq: 2 Jul 2018 13:00

Tgt Ion:	69	Resp:	379203
Ion	Ratio	Lower	Upper
69	100		
41	64.1	51.6	77.4
39	32.2	25.8	38.8





#57

1,3-Dichloropropane

Concen: 20.95 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. 0.00 min

Lab File: VN049664.D

Acq: 2 Jul 2018 13:00

Instrument :

MSVOA_N

ClientSampleId :

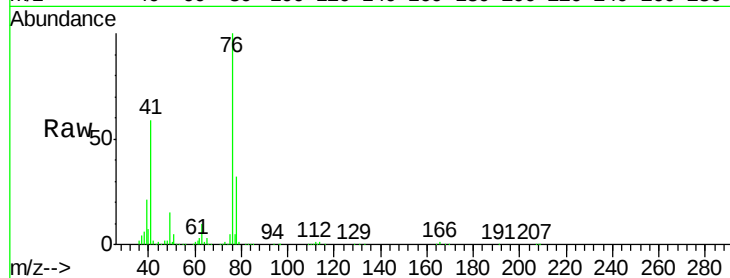
VN0702WBSD01

Tot Ion: 76 Resp: 506605

Ion Ratio Lower Upper

76 100

78 32.4 25.8 38.8



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

250000

200000

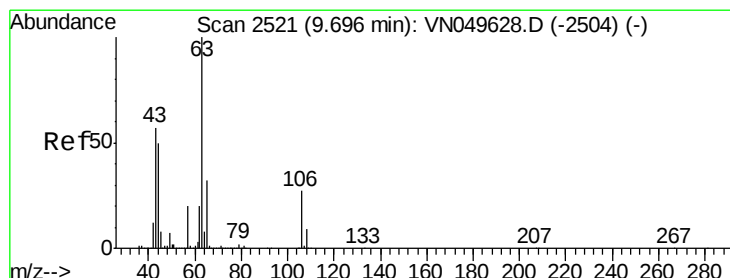
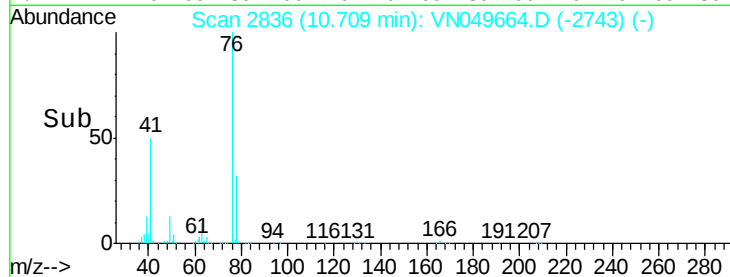
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 92.93 ug/l

RT: 9.70 min Scan# 2521

Delta R.T. 0.00 min

Lab File: VN049664.D

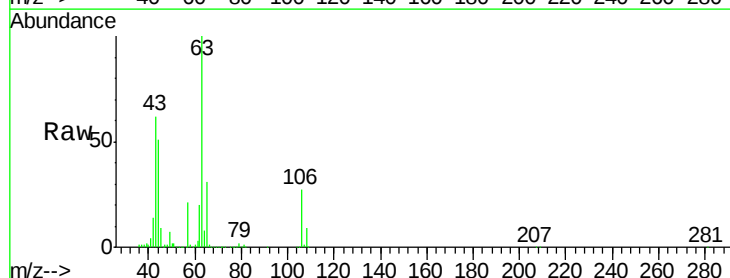
Acq: 2 Jul 2018 13:00

Tgt Ion: 63 Resp: 781904

Ion Ratio Lower Upper

63 100

106 26.8 21.8 32.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.70

500000

400000

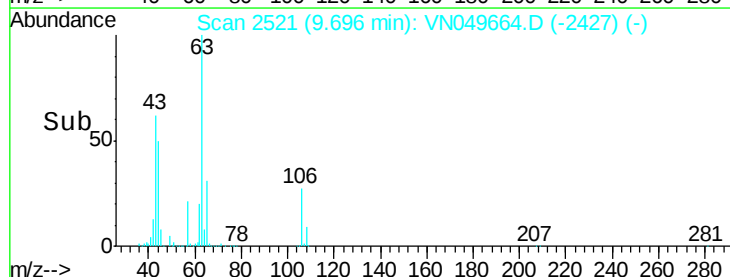
300000

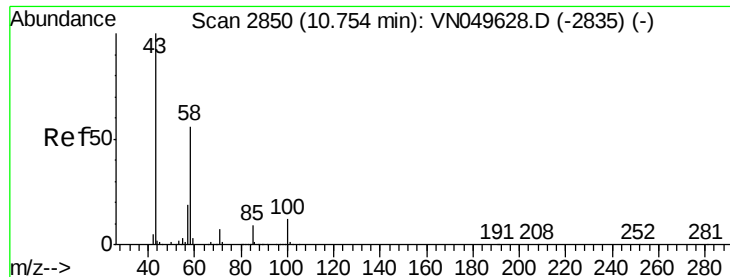
200000

100000

0

Time-->





#59

2-Hexanone

Concen: 114.96 ug/l

RT: 10.75 min Scan# 2850

Delta R.T. 0.00 min

Lab File: VN049664.D

Acq: 2 Jul 2018 13:00

Instrument :

MSVOA_N

ClientSampleId :

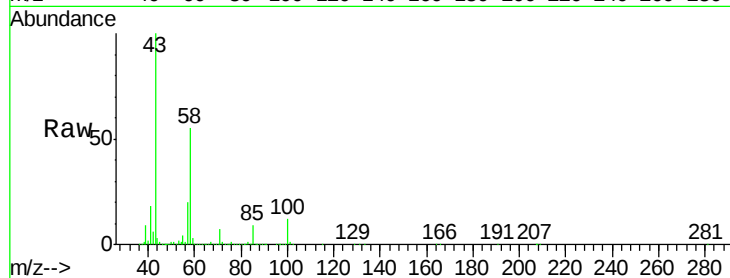
VN0702WBSD01

Tot Ion: 43 Resp: 943801

Ion Ratio Lower Upper

43 100

58 54.5 27.8 83.4



Abundance Ion 43.00 (42.70 to 43.70): VN049628.D (-2835) (-)

Ion 58.00 (57.70 to 58.70): VN049628.D (-2835) (-)

10.75

500000

400000

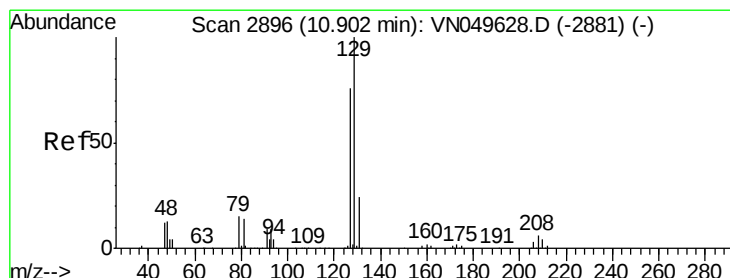
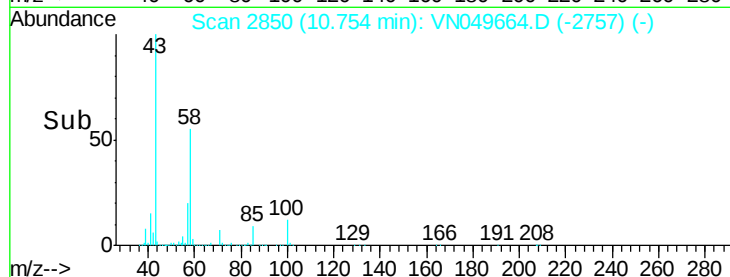
300000

200000

100000

0

Time-->



#60

Dibromochloromethane

Concen: 20.68 ug/l

RT: 10.90 min Scan# 2897

Delta R.T. 0.00 min

Lab File: VN049664.D

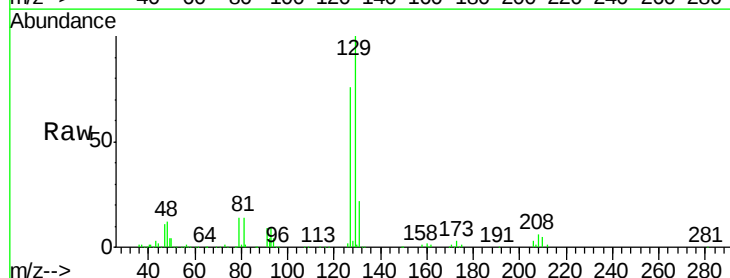
Acq: 2 Jul 2018 13:00

Tgt Ion: 129 Resp: 333380

Ion Ratio Lower Upper

129 100

127 76.7 38.3 114.9



Abundance Ion 128.80 (128.50 to 129.50): VN049628.D (-2881) (-)

Ion 126.80 (126.50 to 127.50): VN049628.D (-2881) (-)

10.90

200000

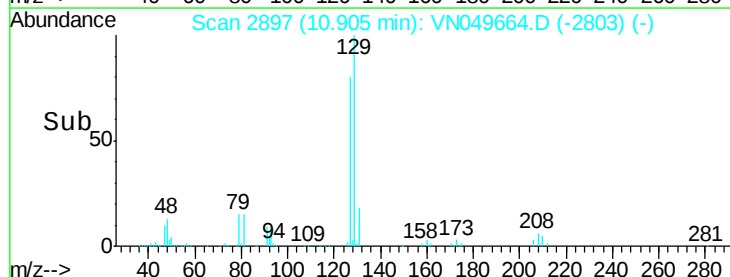
150000

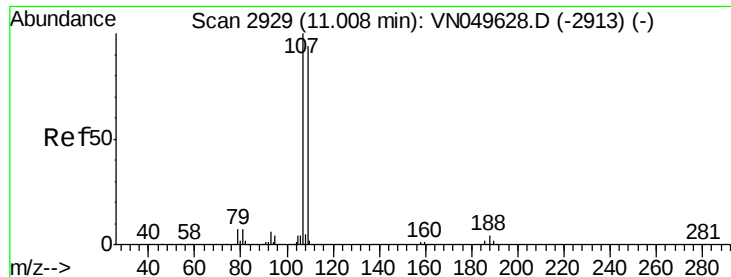
100000

50000

0

Time-->





#61

1,2-Dibromoethane

Concen: 20.64 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. 0.00 min

Lab File: VN049664.D

Acq: 2 Jul 2018 13:00

Instrument :

MSVOA_N

ClientSampleId :

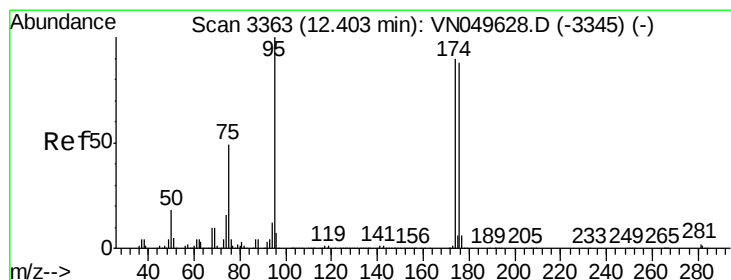
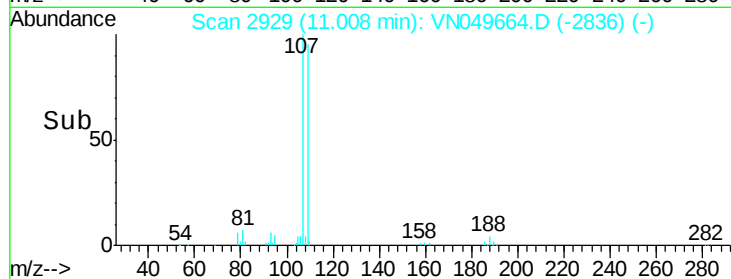
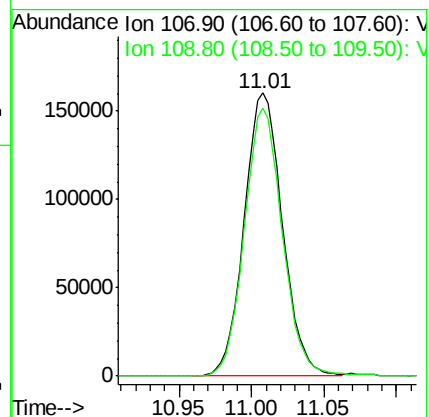
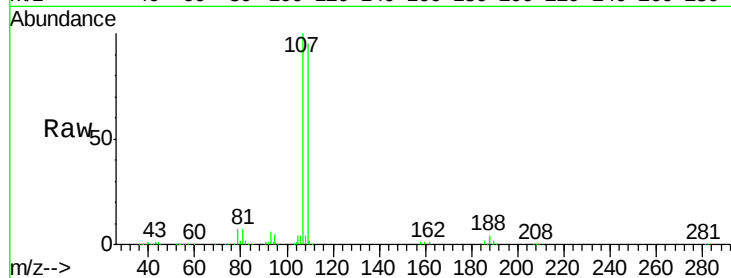
VN0702WBSD01

Tot Ion: 107 Resp: 294886

Ion Ratio Lower Upper

107 100

109 94.1 75.0 112.6



#62

4-Bromofluorobenzene

Concen: 48.34 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN049664.D

Acq: 2 Jul 2018 13:00

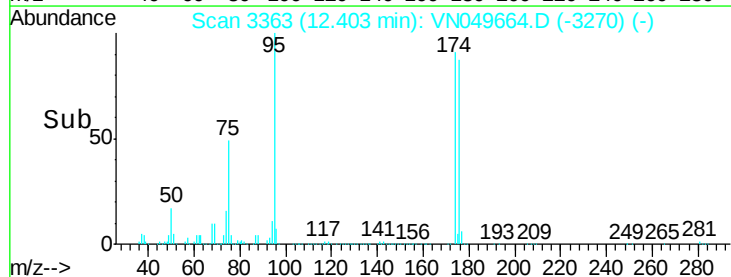
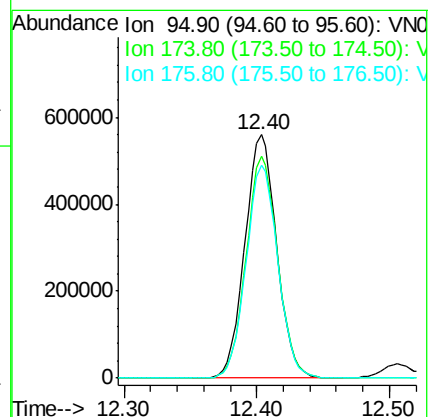
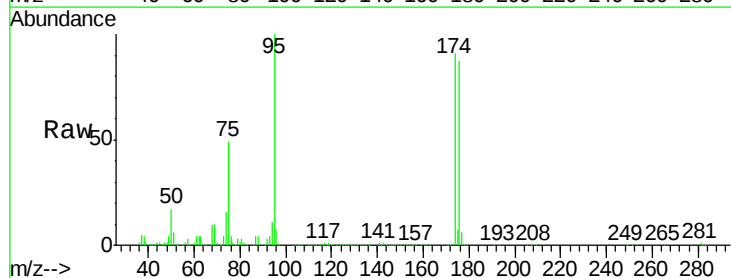
Tgt Ion: 95 Resp: 932040

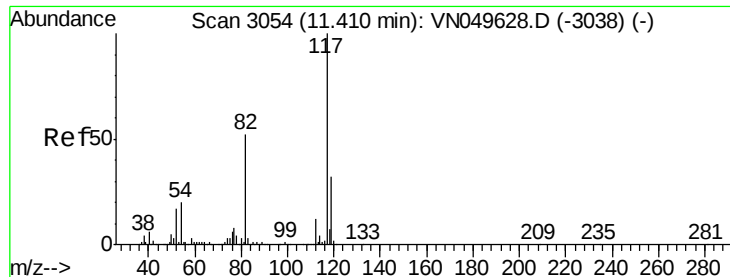
Ion Ratio Lower Upper

95 100

174 90.5 0.0 179.6

176 87.4 0.0 174.0

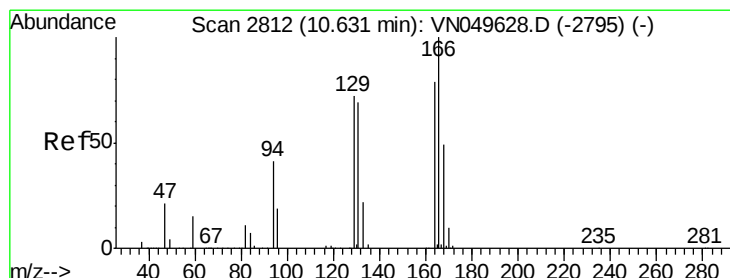
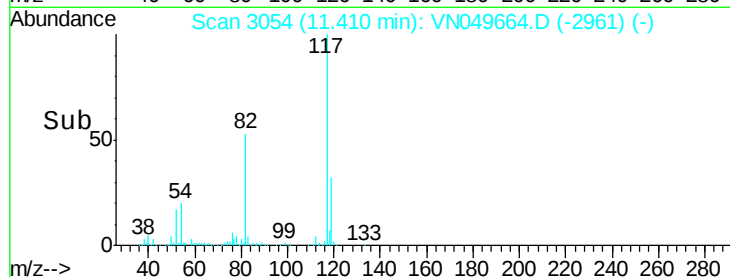
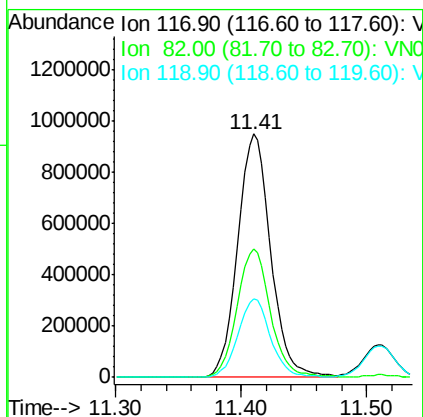
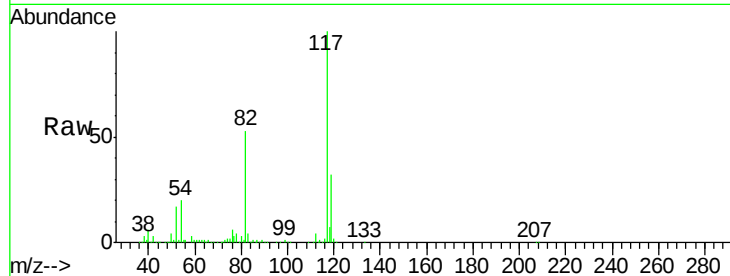




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN049664.D
Acq: 2 Jul 2018 13:00

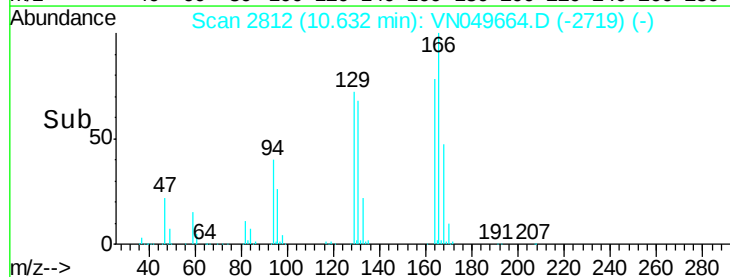
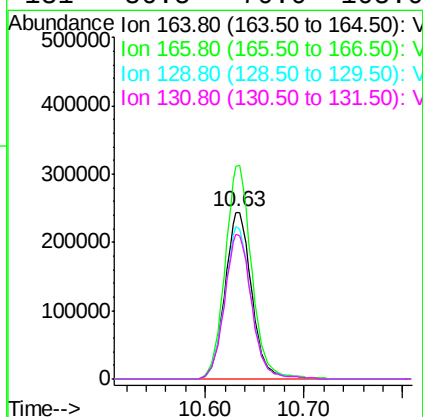
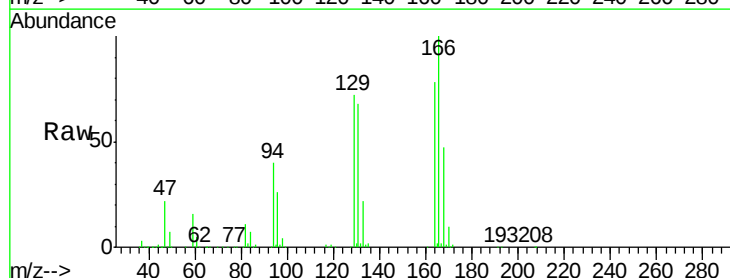
Instrument :
MSVOA_N
ClientSampleId :
VN0702WBSD01

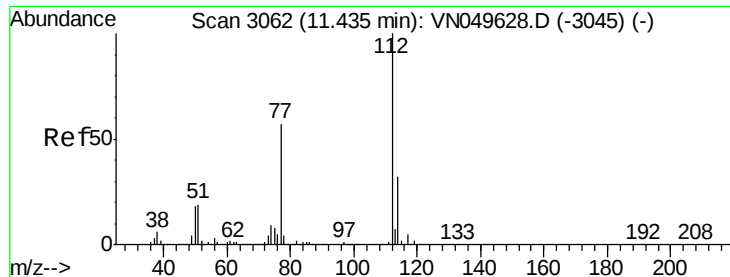
Tot Ion:117 Resp: 1741919
Ion Ratio Lower Upper
117 100
82 53.0 41.9 62.9
119 32.4 25.4 38.2



#64
Tetrachloroethene
Concen: 19.57 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. 0.00 min
Lab File: VN049664.D
Acq: 2 Jul 2018 13:00

Tgt Ion:164 Resp: 461693
Ion Ratio Lower Upper
164 100
166 127.7 101.8 152.6
129 91.4 72.8 109.2
131 86.5 70.0 105.0

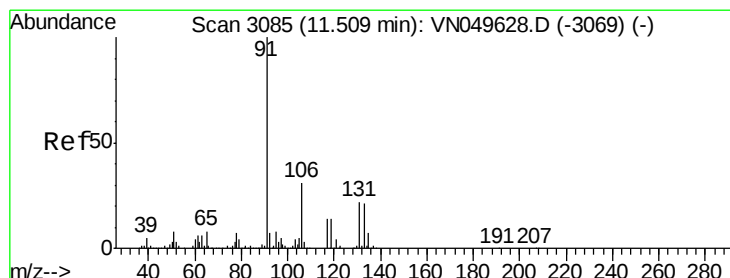
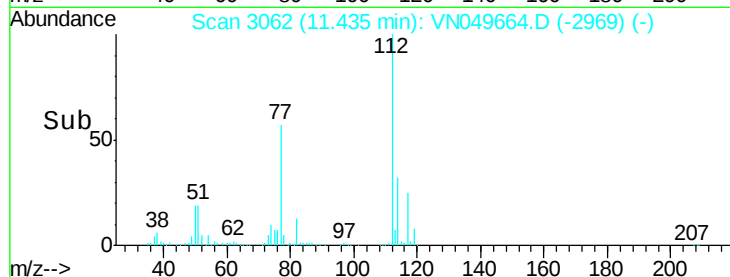
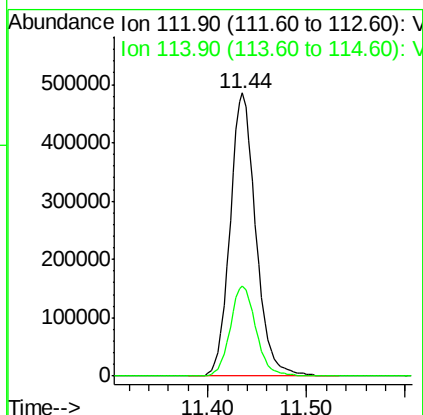
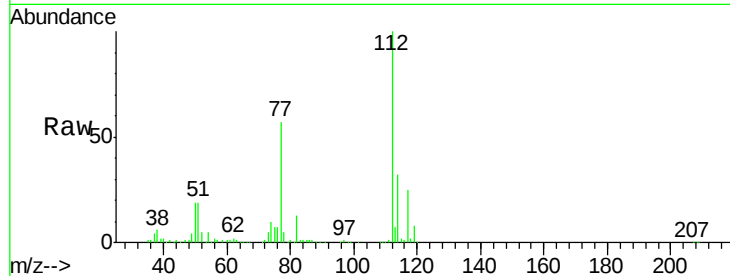




#65
Chlorobenzene
Concen: 19.42 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN049664.D
Acq: 2 Jul 2018 13:00

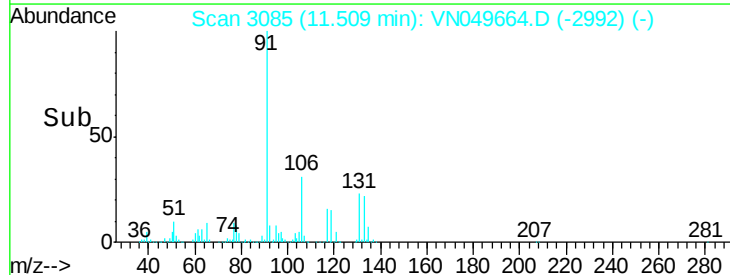
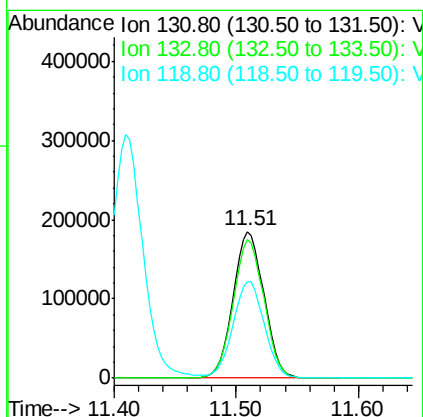
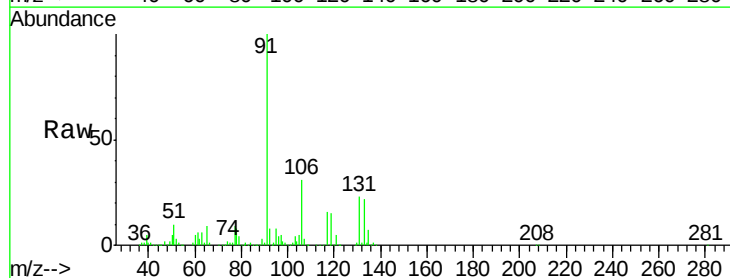
Instrument :
MSVOA_N
ClientSampled :
VN0702WBSD01

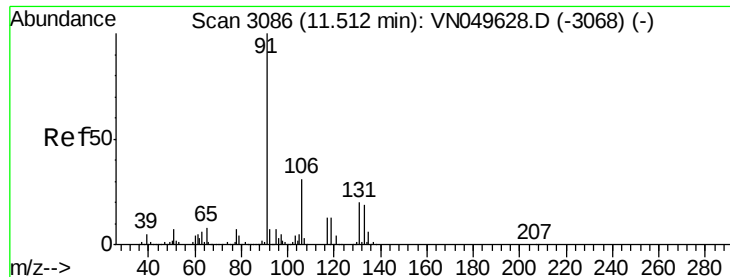
Tot Ion:112 Resp: 882291
Ion Ratio Lower Upper
112 100
114 31.9 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 19.84 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. 0.00 min
Lab File: VN049664.D
Acq: 2 Jul 2018 13:00

Tgt Ion:131 Resp: 323982
Ion Ratio Lower Upper
131 100
133 94.3 47.5 142.6
119 66.9 33.1 99.3

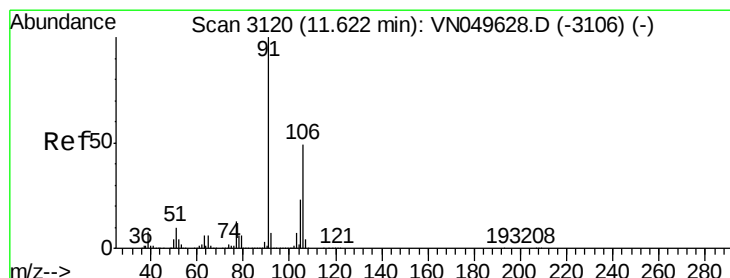
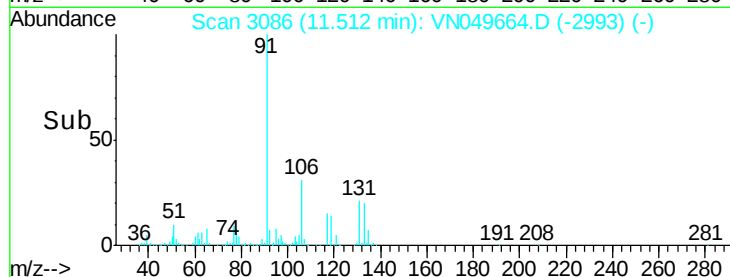
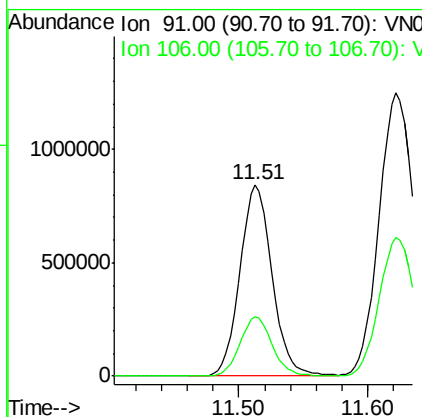
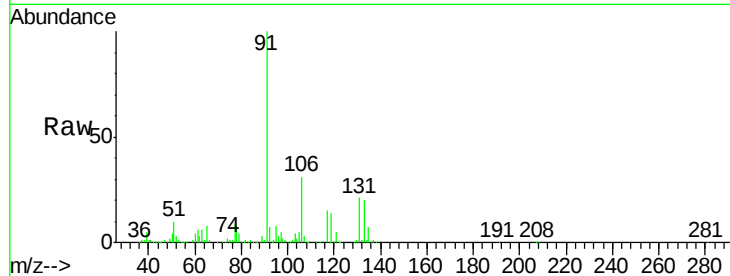




#67
Ethyl Benzene
Concen: 19.57 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN049664.D
Acq: 2 Jul 2018 13:00

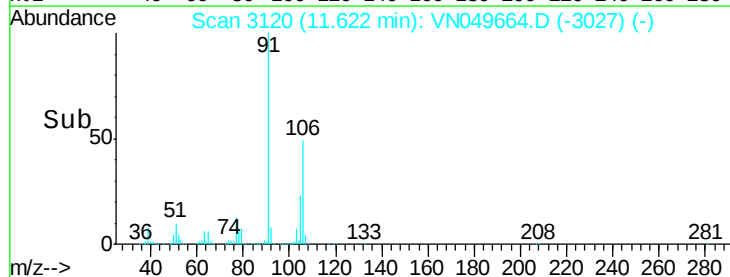
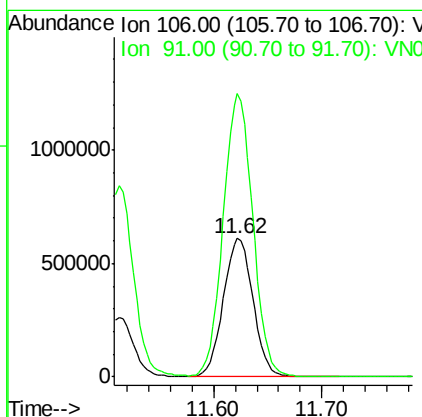
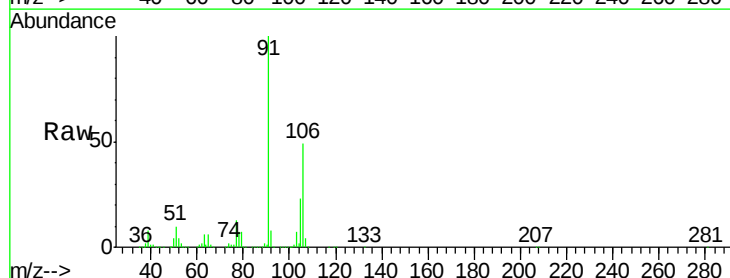
Instrument :
MSVOA_N
ClientSampleId :
VN0702WBSD01

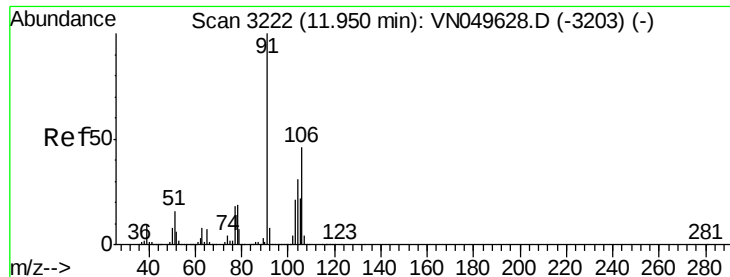
Tot Ion: 91 Resp: 1469743
Ion Ratio Lower Upper
91 100
106 31.2 24.8 37.2



#68
m/p-Xylenes
Concen: 40.69 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. 0.00 min
Lab File: VN049664.D
Acq: 2 Jul 2018 13:00

Tgt Ion: 106 Resp: 1171356
Ion Ratio Lower Upper
106 100
91 203.9 163.4 245.2





#69

o-Xylene

Concen: 20.43 ug/l

RT: 11.95 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN049664.D

Acq: 2 Jul 2018 13:00

Instrument :

MSVOA_N

ClientSampleId :

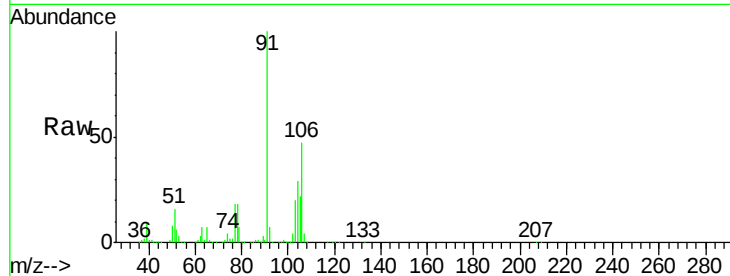
VN0702WBSD01

Tot Ion:106 Resp: 563121

Ion Ratio Lower Upper

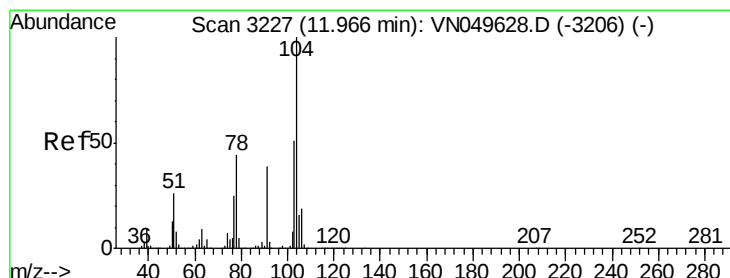
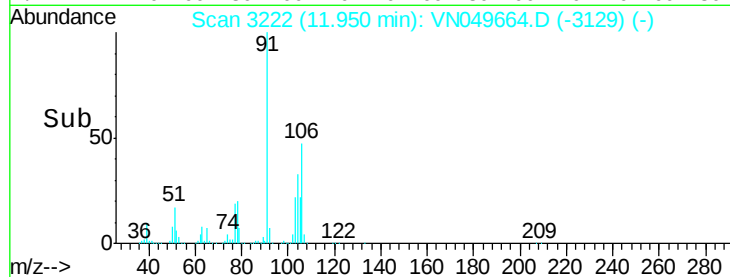
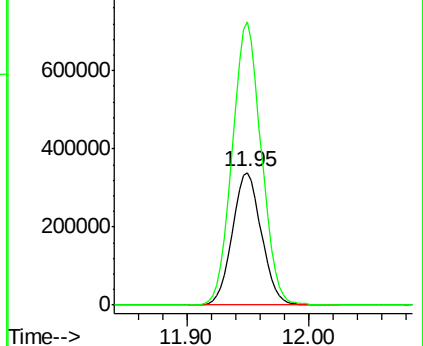
106 100

91 212.9 108.7 326.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#70

Styrene

Concen: 20.20 ug/l

RT: 11.97 min Scan# 3227

Delta R.T. 0.00 min

Lab File: VN049664.D

Acq: 2 Jul 2018 13:00

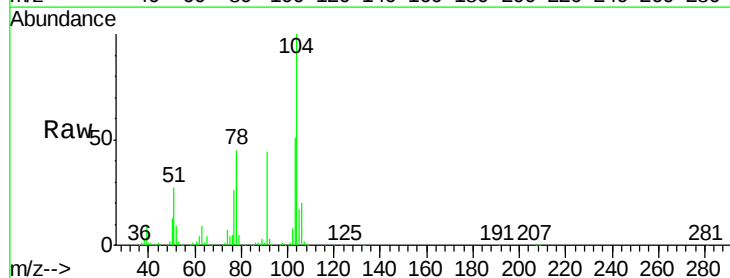
Tgt Ion:104 Resp: 900899

Ion Ratio Lower Upper

104 100

78 49.5 39.2 58.8

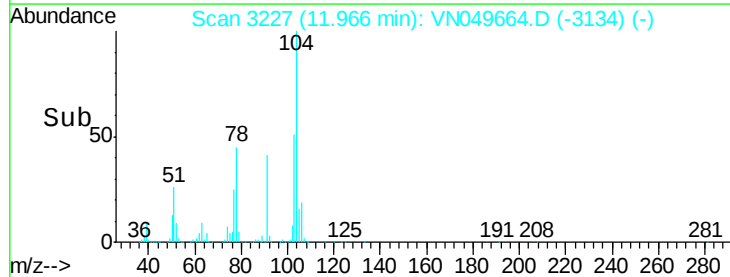
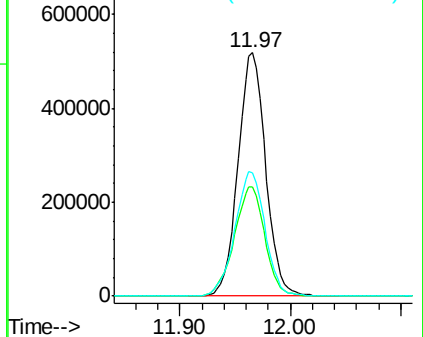
103 55.8 44.6 67.0

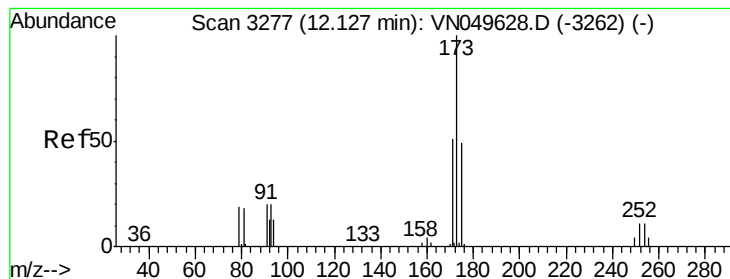


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 20.66 ug/l

RT: 12.13 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN049664.D

Acq: 2 Jul 2018 13:00

Instrument :

MSVOA_N

ClientSampleId :

VN0702WBSD01

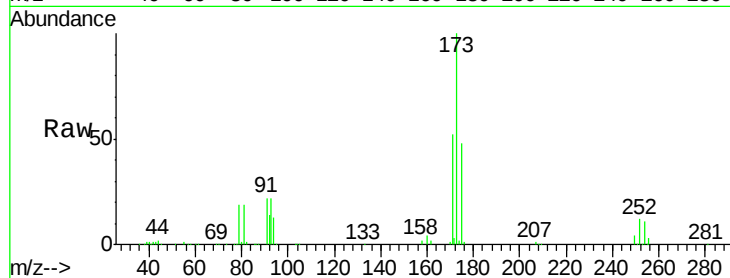
Tot Ion:173 Resp: 224100

Ion Ratio Lower Upper

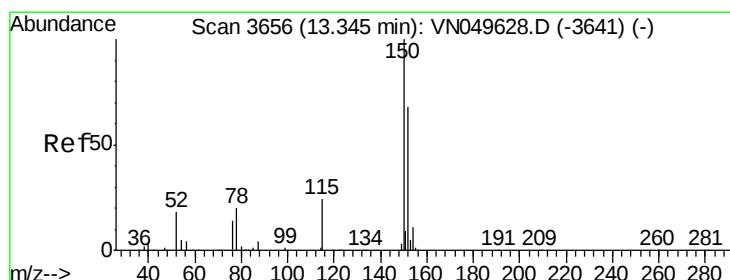
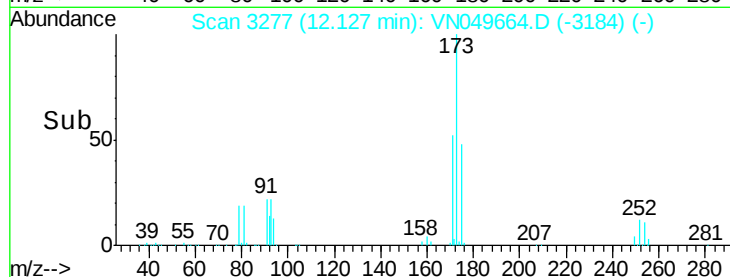
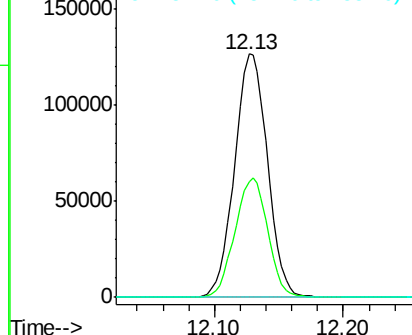
173 100

175 48.8 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: VN049664.D

Acq: 2 Jul 2018 13:00

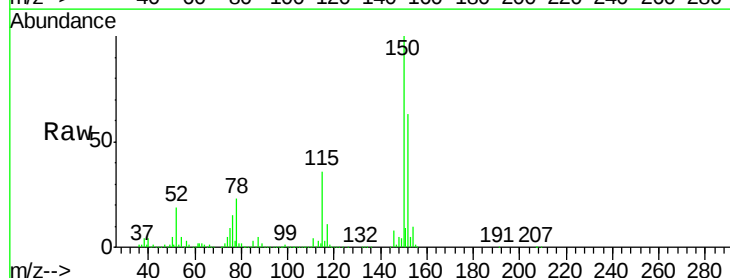
Tgt Ion:152 Resp: 916065

Ion Ratio Lower Upper

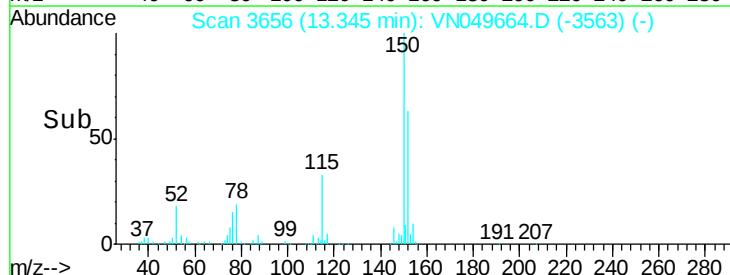
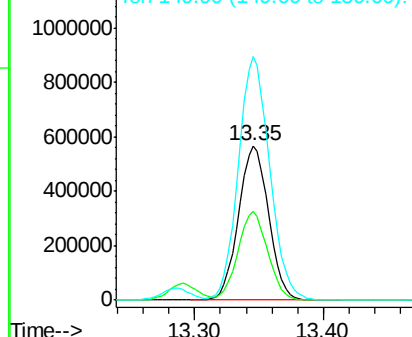
152 100

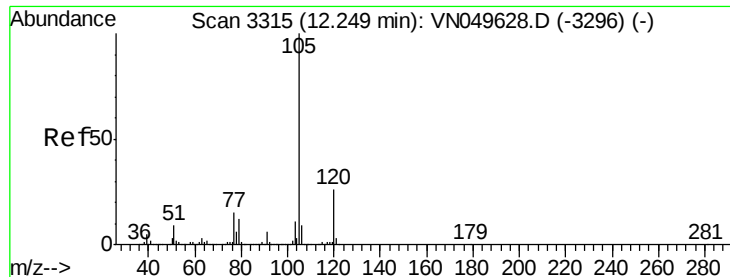
115 56.7 28.1 84.2

150 165.0 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: 20.05 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN049664.D

Acq: 2 Jul 2018 13:00

Instrument :

MSVOA_N

ClientSampleId :

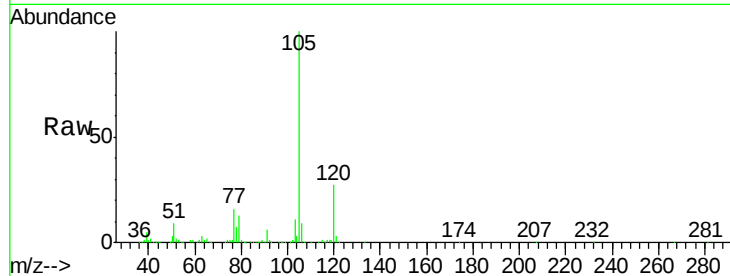
VN0702WBSD01

Tot Ion:105 Resp: 1462892

Ion Ratio Lower Upper

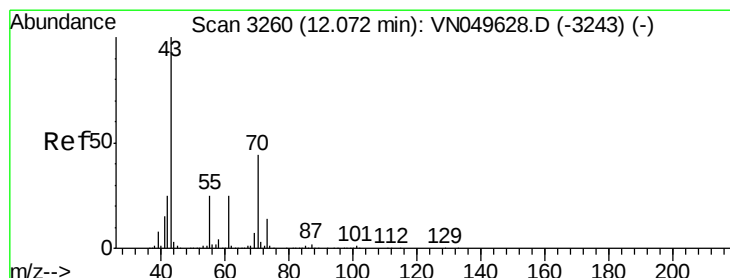
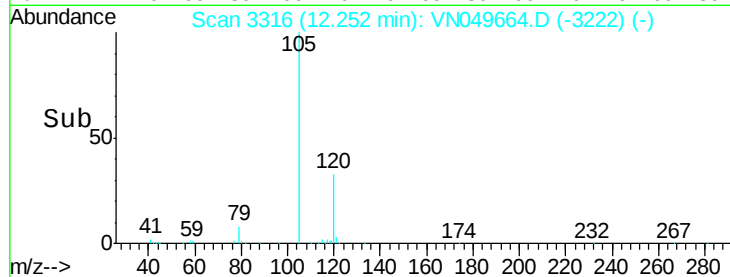
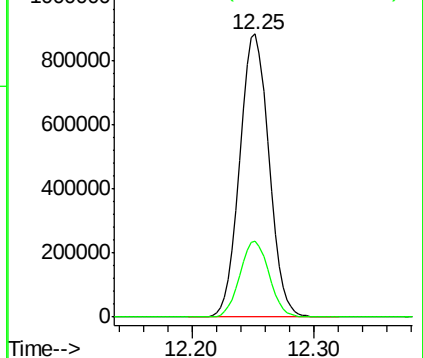
105 100

120 26.7 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.89 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN049664.D

Acq: 2 Jul 2018 13:00

Tgt Ion: 43 Resp: 416367

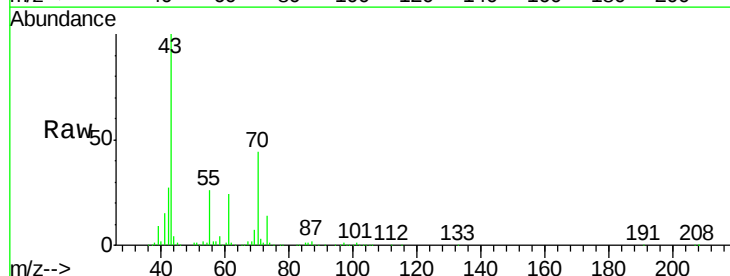
Ion Ratio Lower Upper

43 100

70 44.0 34.8 52.2

55 26.2 20.9 31.3

61 24.5 19.9 29.9

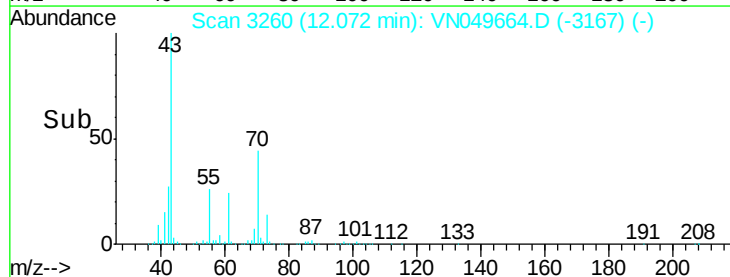
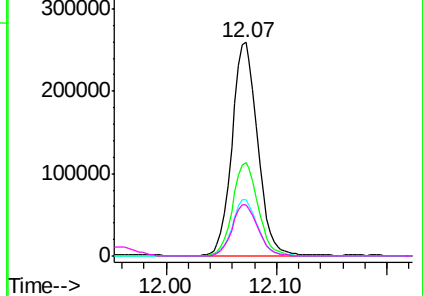


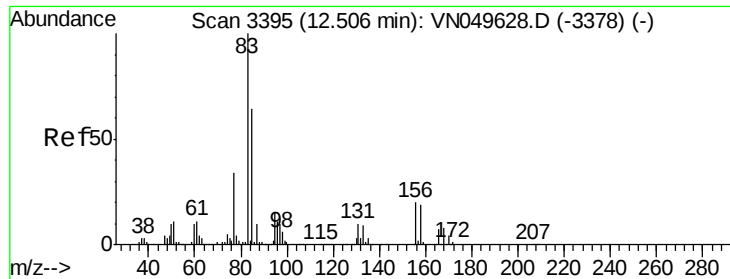
Abundance Ion 43.00 (42.70 to 43.70): V

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





#75

1,1,2,2-Tetrachloroethane

Concen: 22.85 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN049664.D

Acq: 2 Jul 2018 13:00

Instrument :

MSVOA_N

ClientSampleId :

VN0702WBSD01

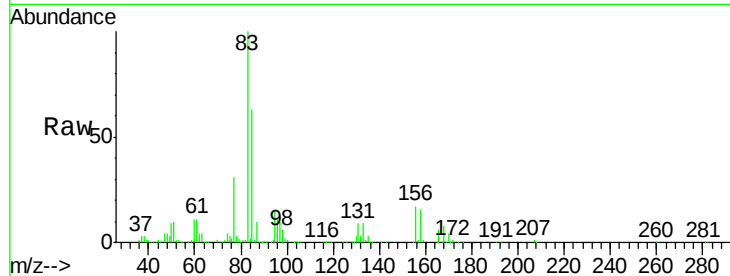
Tot Ion: 83 Resp: 357778

Ion Ratio Lower Upper

83 100

131 9.9 5.2 15.6

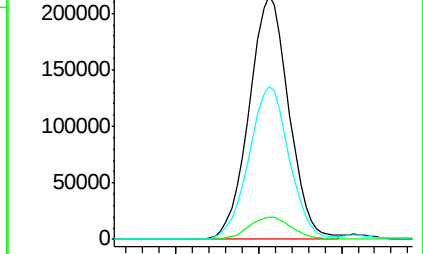
85 63.7 32.5 97.4



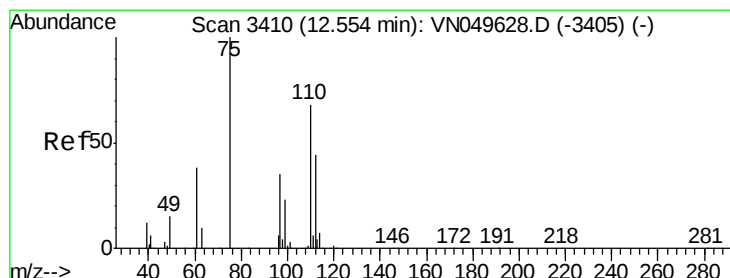
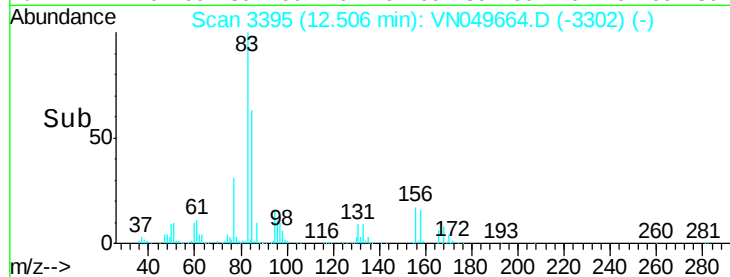
Abundance Ion 82.90 (82.60 to 83.60): VN049664.D (-3302) (-)

Ion 130.80 (130.50 to 131.50): VN049664.D (-3302) (-)

Ion 84.90 (84.60 to 85.60): VN049664.D (-3302) (-)



Time-->



#76

1,2,3-Trichloropropane

Concen: 30.85 ug/l

RT: 12.55 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN049664.D

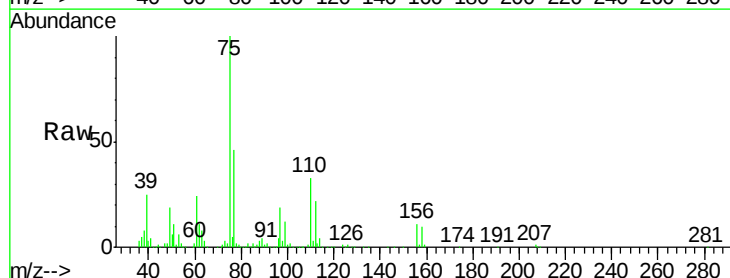
Acq: 2 Jul 2018 13:00

Tgt Ion: 75 Resp: 453258

Ion Ratio Lower Upper

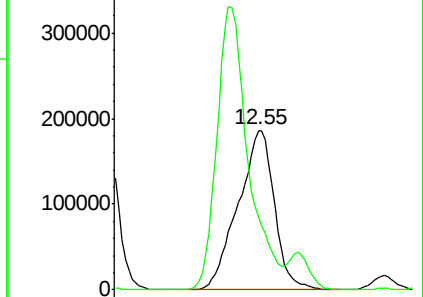
75 100

77 0.0 0.0 0.0

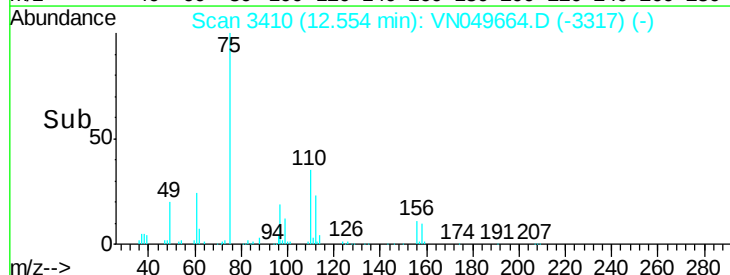


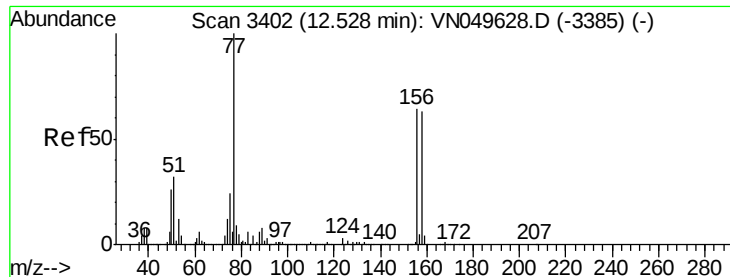
Abundance Ion 74.90 (74.60 to 75.60): VN049664.D (-3317) (-)

Ion 77.00 (76.70 to 77.70): VN049664.D (-3317) (-)



Time-->





#77

Bromobenzene

Concen: 19.36 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN049664.D

Acq: 2 Jul 2018 13:00

Instrument :

MSVOA_N

ClientSampleId :

VN0702WBSD01

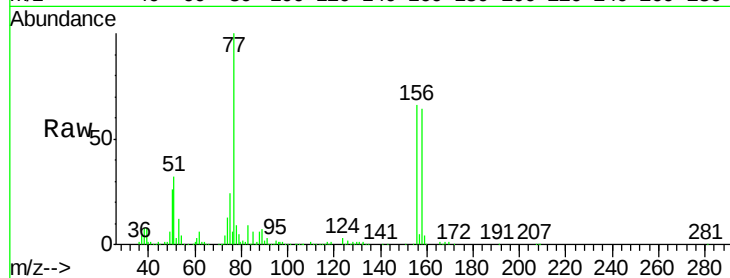
Tot Ion:156 Resp: 384103

Ion Ratio Lower Upper

156 100

77 181.5 90.2 270.6

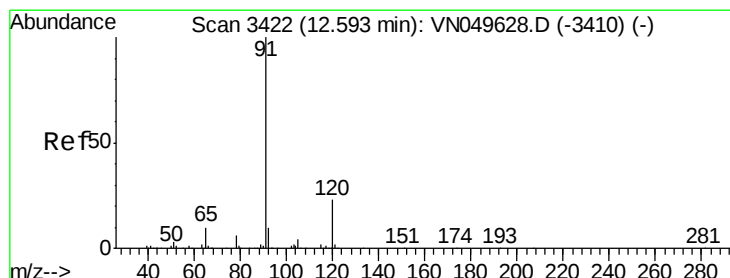
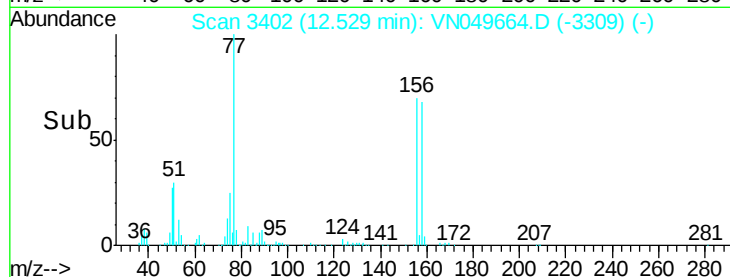
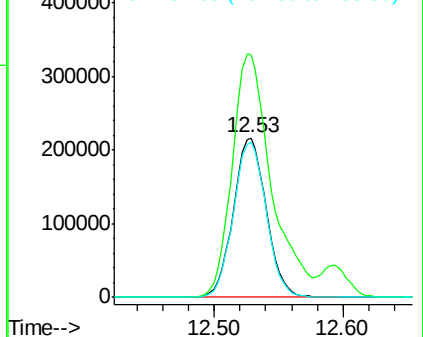
158 96.9 49.1 147.3



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: 20.21 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN049664.D

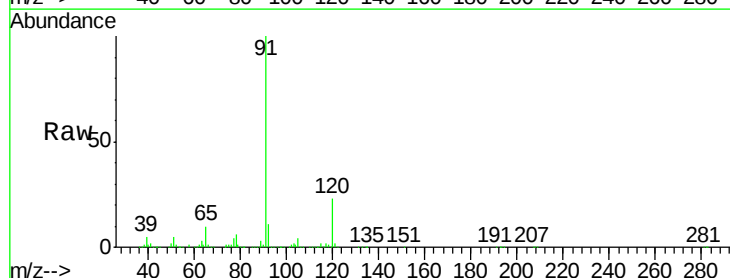
Acq: 2 Jul 2018 13:00

Tgt Ion: 91 Resp: 1690214

Ion Ratio Lower Upper

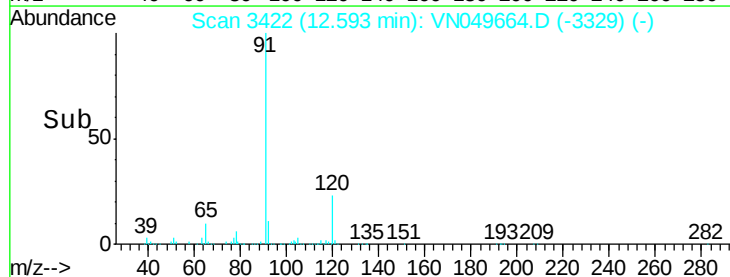
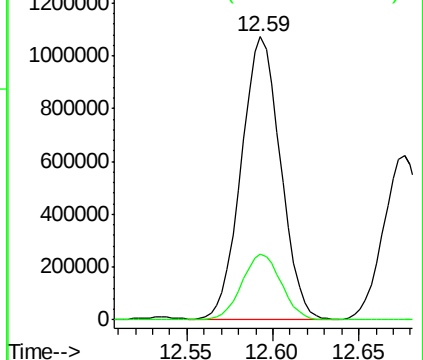
91 100

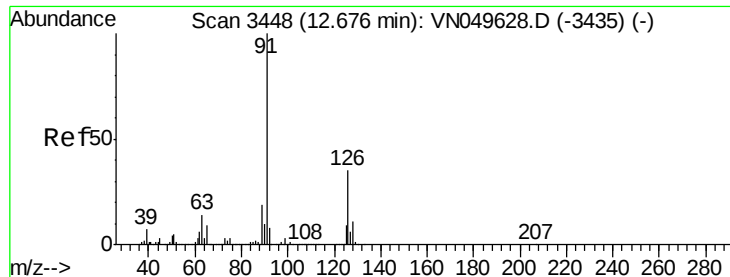
120 23.5 11.5 34.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.53 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN049664.D

Acq: 2 Jul 2018 13:00

Instrument :

MSVOA_N

ClientSampleId :

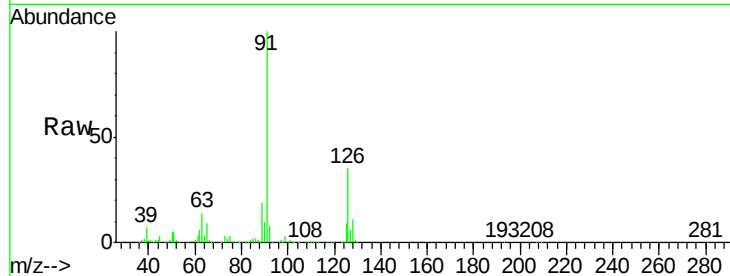
VN0702WBSD01

Tot Ion: 91 Resp: 1033682

Ion Ratio Lower Upper

91 100

126 35.2 17.5 52.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

800000

600000

400000

200000

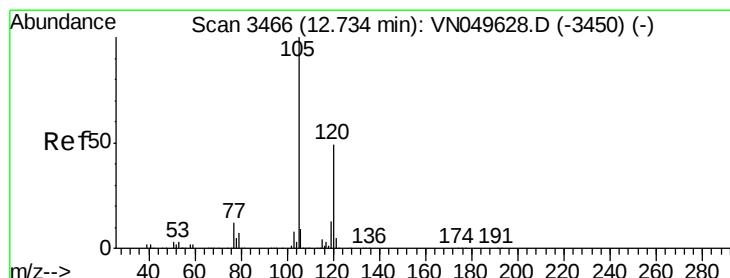
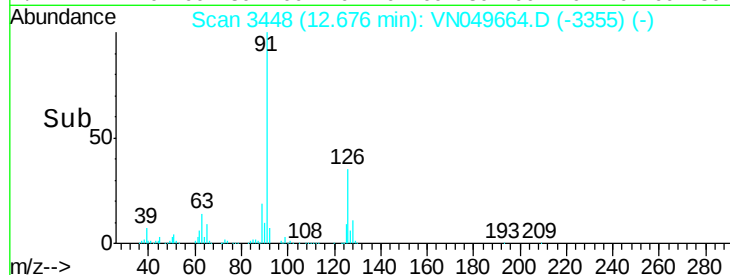
0

12.65

12.68

12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.72 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN049664.D

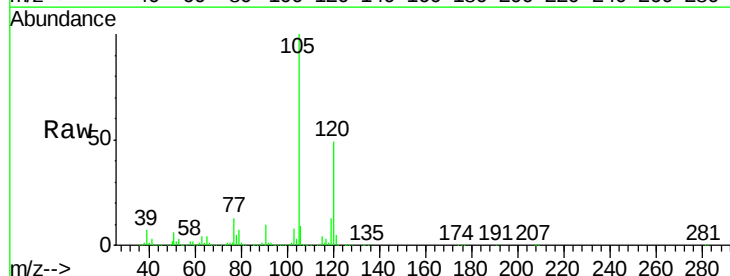
Acq: 2 Jul 2018 13:00

Tgt Ion:105 Resp: 1256482

Ion Ratio Lower Upper

105 100

120 49.0 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

800000

600000

400000

200000

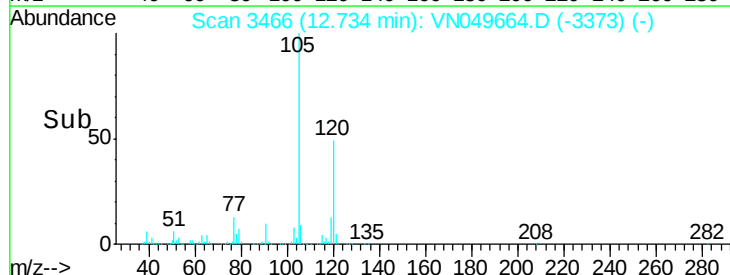
0

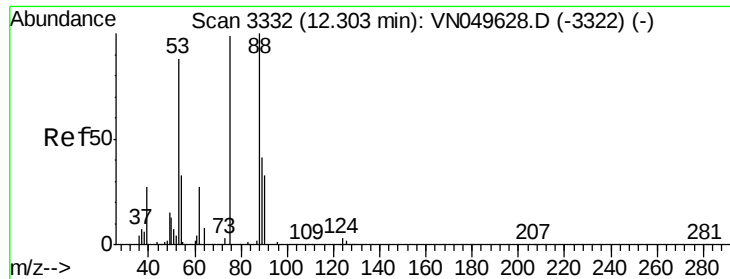
12.70

12.73

12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 20.73 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN049664.D

Acq: 2 Jul 2018 13:00

Instrument :

MSVOA_N

ClientSampled :

VN0702WBSD01

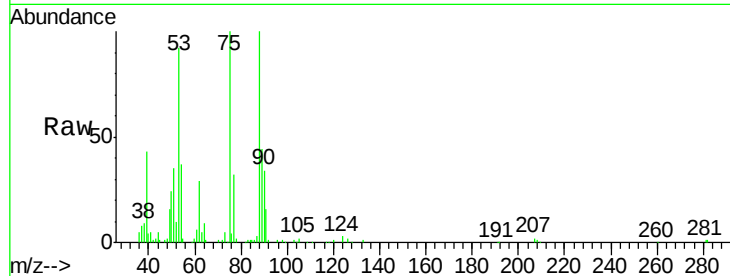
Tot Ion: 75 Resp: 89673

Ion Ratio Lower Upper

75 100

53 92.8 73.9 110.9

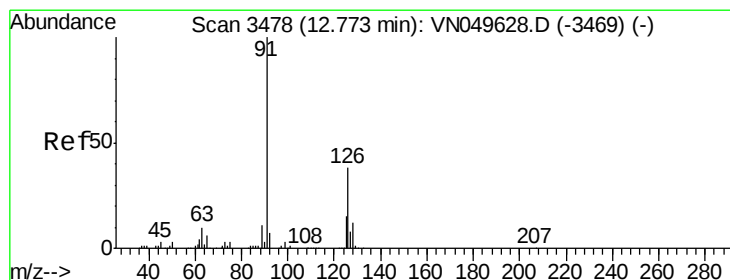
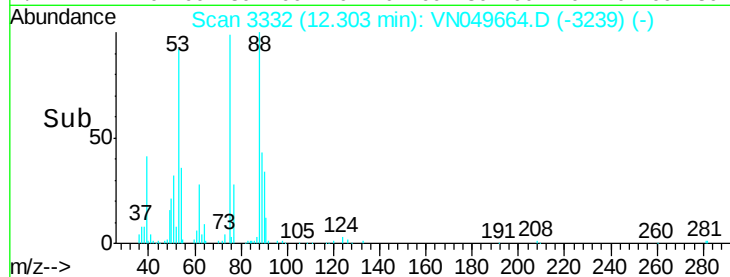
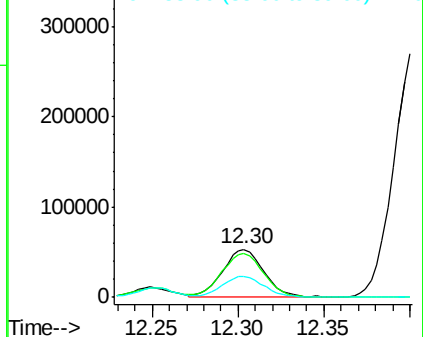
89 44.2 35.9 53.9



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO



#82

4-Chlorotoluene

Concen: 19.75 ug/l

RT: 12.78 min Scan# 3479

Delta R.T. 0.00 min

Lab File: VN049664.D

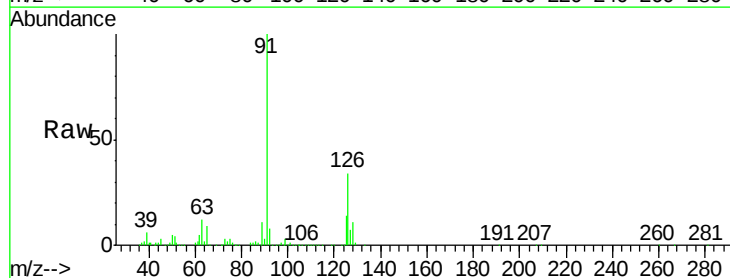
Acq: 2 Jul 2018 13:00

Tgt Ion: 91 Resp: 1051019

Ion Ratio Lower Upper

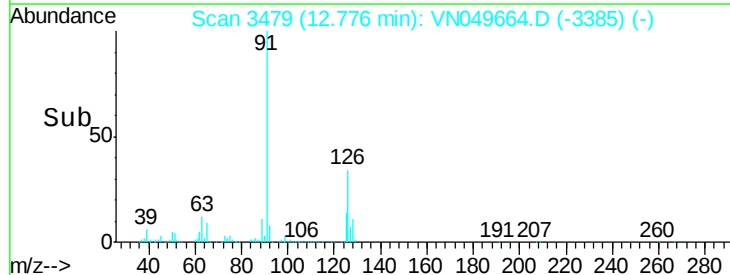
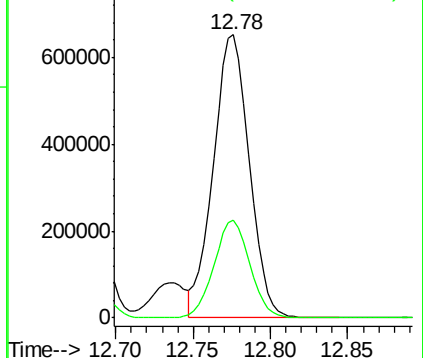
91 100

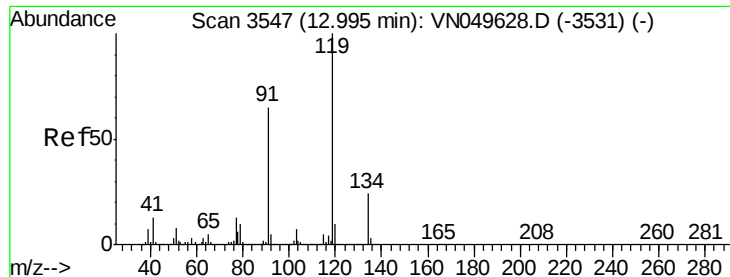
126 34.5 17.2 51.6



Abundance Ion 91.00 (90.70 to 91.70): VNO

Ion 125.90 (125.60 to 126.60): VNO

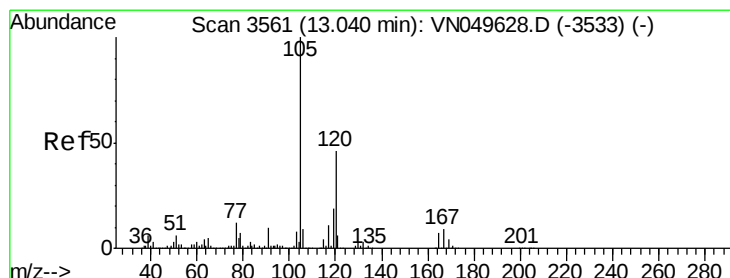
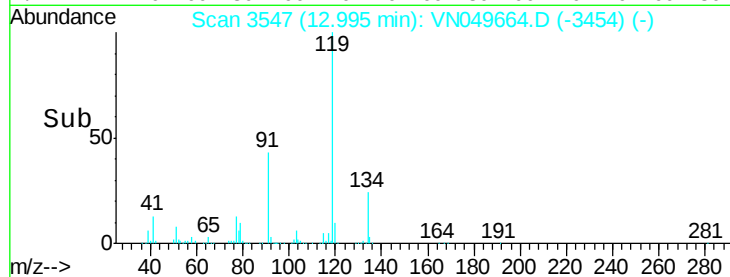
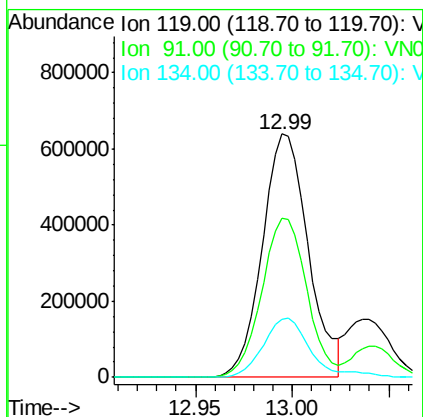
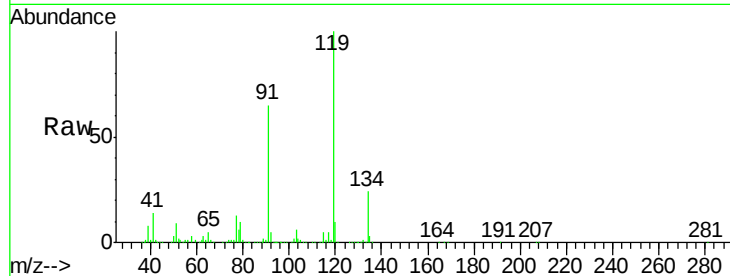




#83
 tert-Butylbenzene
 Concen: 20.26 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN049664.D
 Acq: 2 Jul 2018 13:00

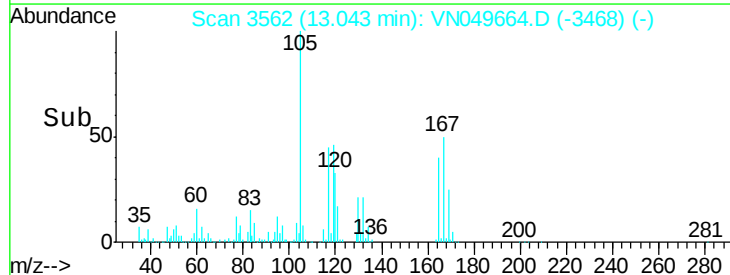
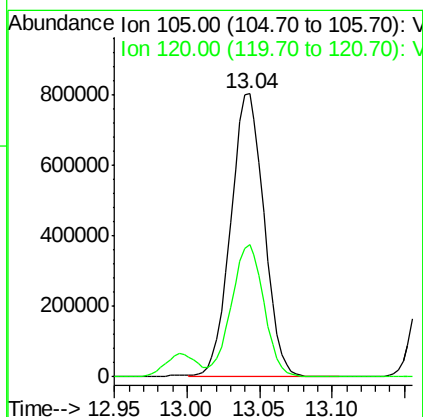
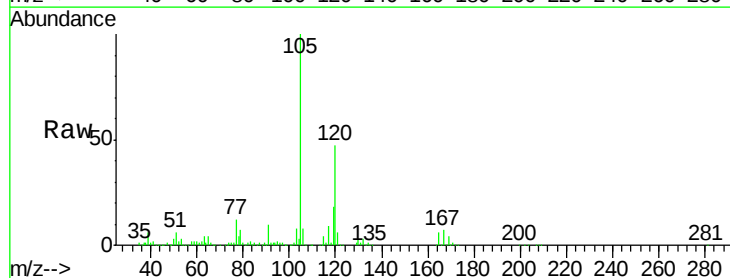
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0702WBSD01

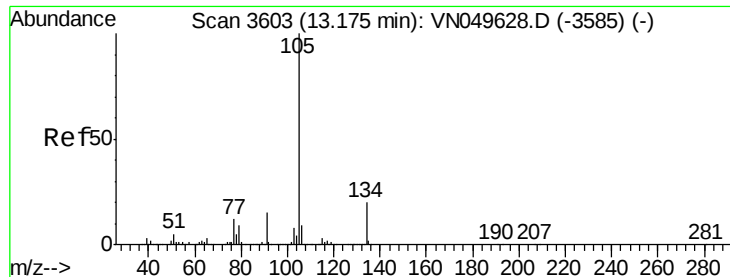
Tot Ion:119 Resp: 1055268
 Ion Ratio Lower Upper
 119 100
 91 63.9 32.0 96.2
 134 25.2 12.8 38.4



#84
 1,2,4-Trimethylbenzene
 Concen: 20.56 ug/l
 RT: 13.04 min Scan# 3562
 Delta R.T. 0.00 min
 Lab File: VN049664.D
 Acq: 2 Jul 2018 13:00

Tgt Ion:105 Resp: 1280832
 Ion Ratio Lower Upper
 105 100
 120 45.7 22.7 68.1





#85

sec-Butylbenzene

Concen: 20.28 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN049664.D

Acq: 2 Jul 2018 13:00

Instrument :

MSVOA_N

ClientSampleId :

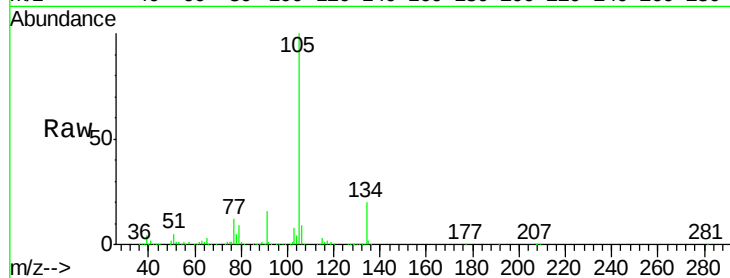
VN0702WBSD01

Tot Ion:105 Resp: 1399634

Ion Ratio Lower Upper

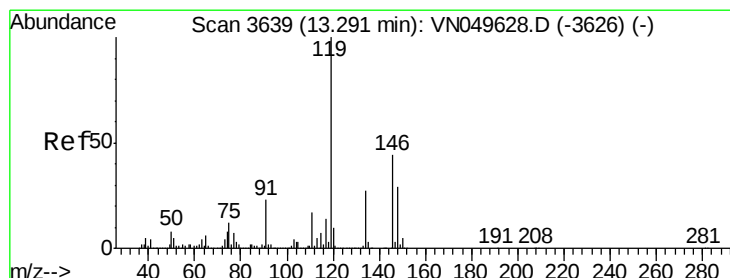
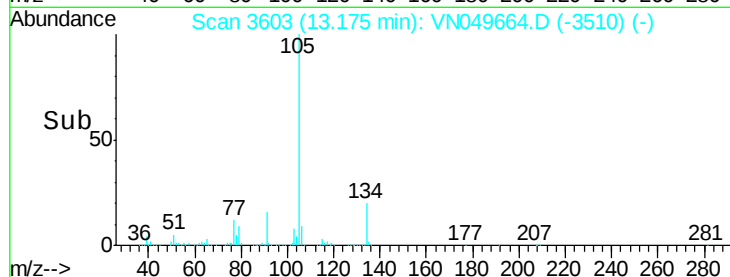
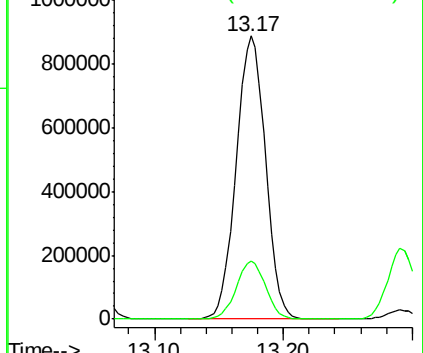
105 100

134 20.5 10.1 30.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.94 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN049664.D

Acq: 2 Jul 2018 13:00

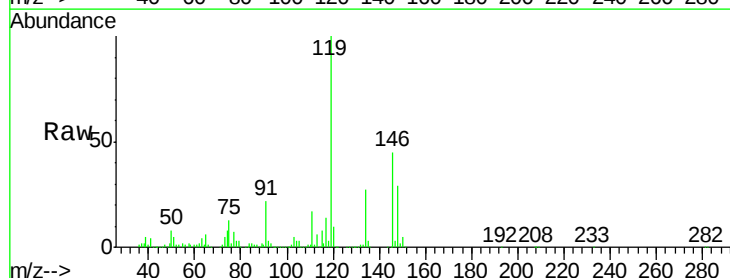
Tgt Ion:119 Resp: 1251978

Ion Ratio Lower Upper

119 100

134 26.5 13.3 39.9

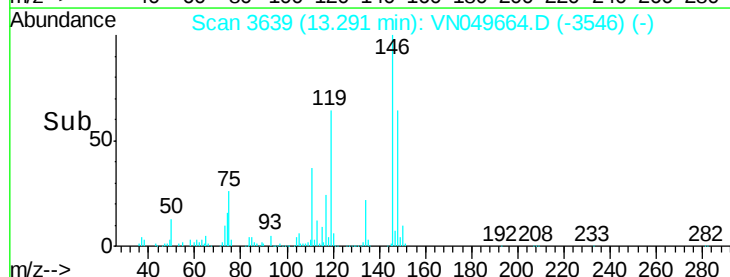
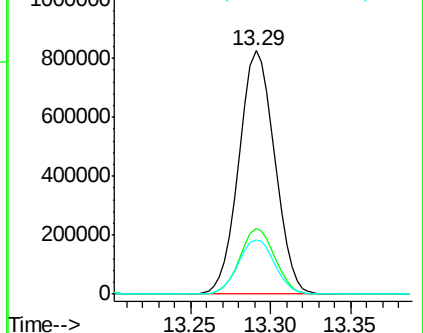
91 22.7 11.4 34.1

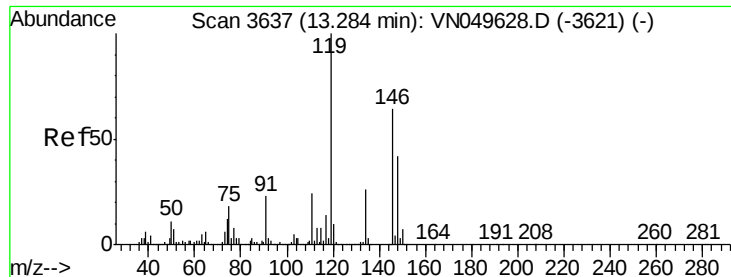


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

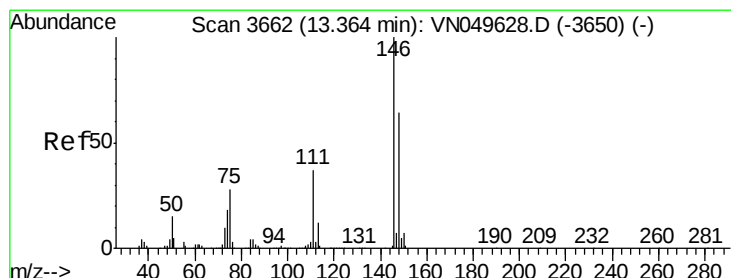
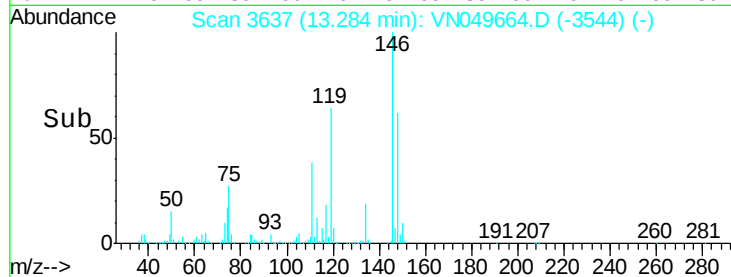
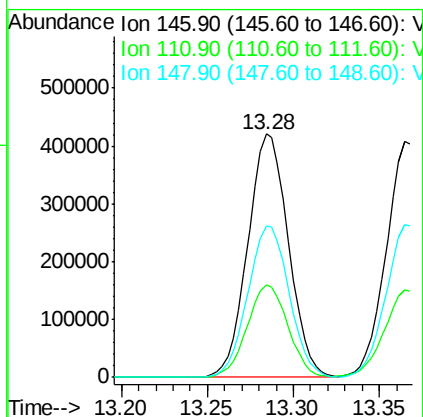
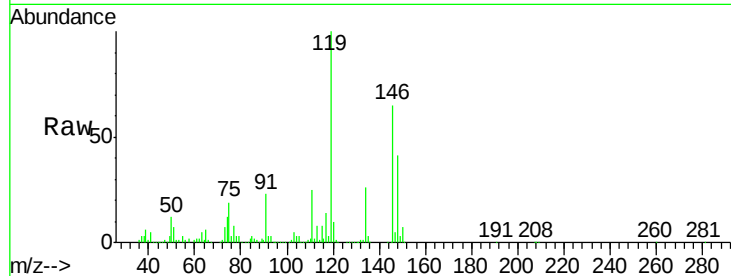




#87
 1,3-Dichlorobenzene
 Concen: 20.18 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. 0.00 min
 Lab File: VN049664.D
 Acq: 2 Jul 2018 13:00

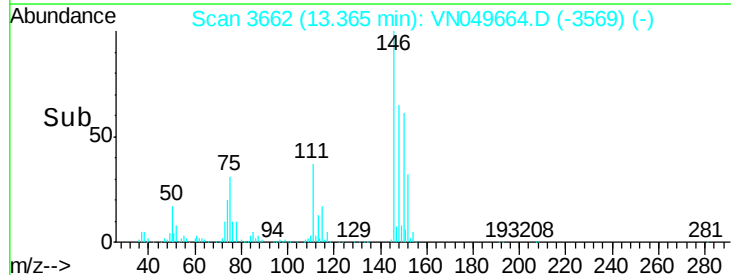
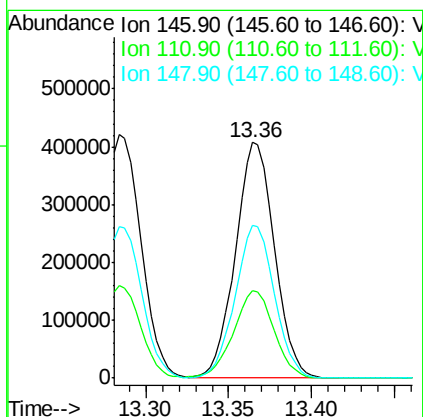
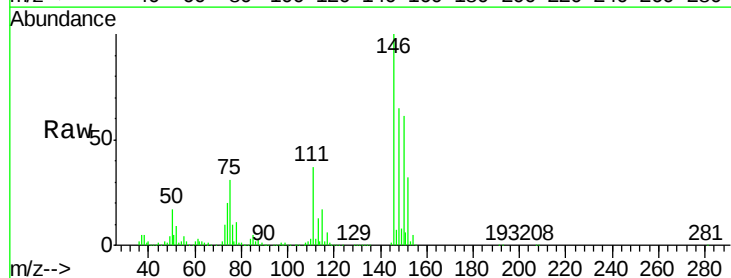
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0702WBSD01

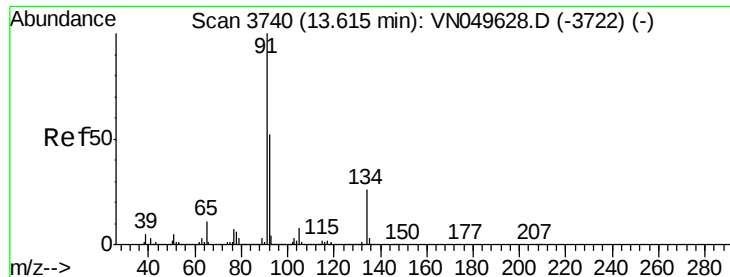
Tot Ion:146 Resp: 689477
 Ion Ratio Lower Upper
 146 100
 111 38.1 19.0 57.0
 148 63.3 32.5 97.5



#88
 1,4-Dichlorobenzene
 Concen: 19.92 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VN049664.D
 Acq: 2 Jul 2018 13:00

Tgt Ion:146 Resp: 666362
 Ion Ratio Lower Upper
 146 100
 111 38.4 18.9 56.5
 148 65.2 32.1 96.3

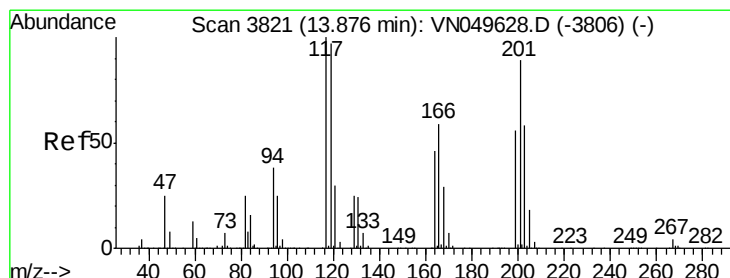
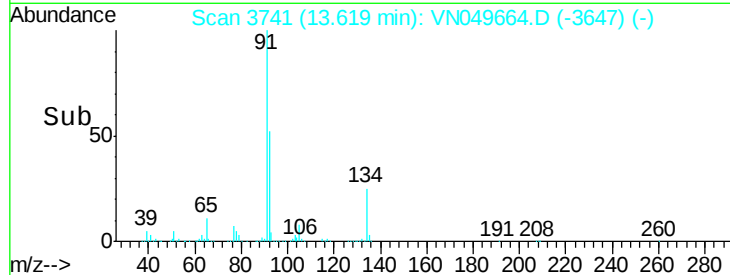
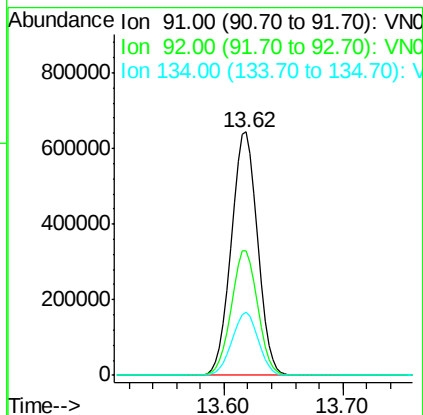
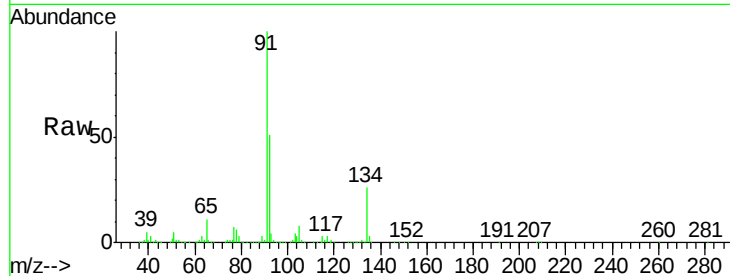




#89
n-Butylbenzene
Concen: 19.25 ug/l
RT: 13.62 min Scan# 3741
Delta R.T. 0.00 min
Lab File: VN049664.D
Acq: 2 Jul 2018 13:00

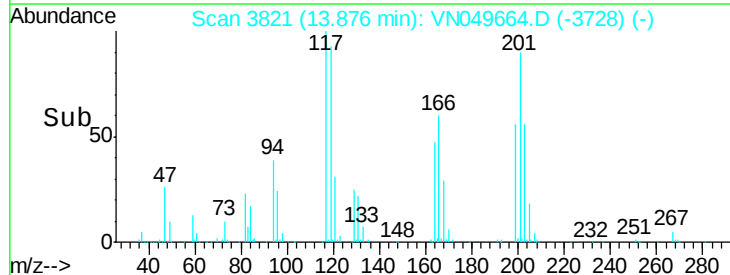
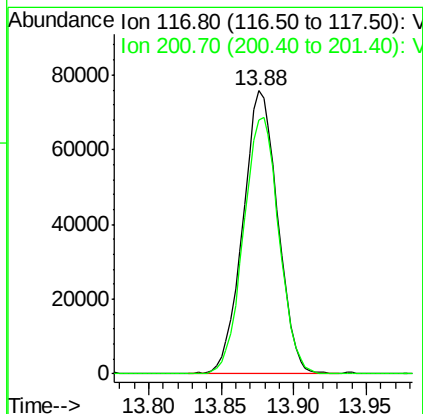
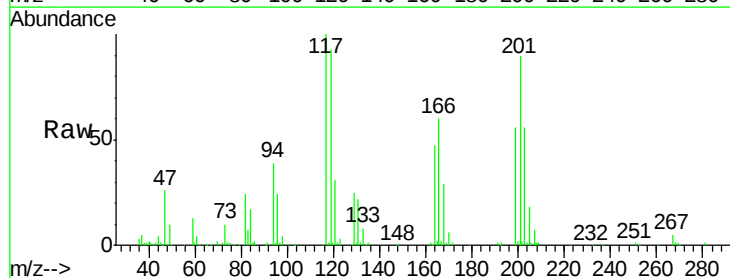
Instrument :
MSVOA_N
ClientSampled :
VN0702WBSD01

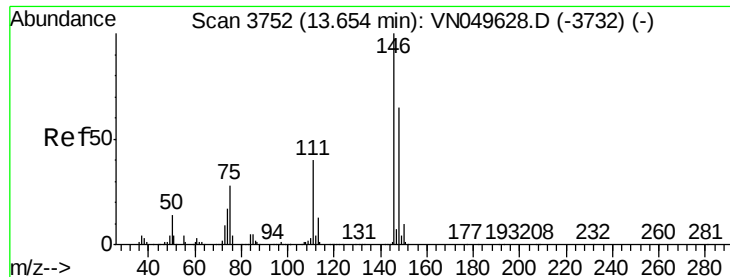
Tot Ion: 91 Resp: 985037
Ion Ratio Lower Upper
91 100
92 51.3 25.8 77.3
134 26.0 13.0 38.9



#90
Hexachloroethane
Concen: 20.22 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN049664.D
Acq: 2 Jul 2018 13:00

Tgt Ion: 117 Resp: 126981
Ion Ratio Lower Upper
117 100
201 91.8 45.3 135.8

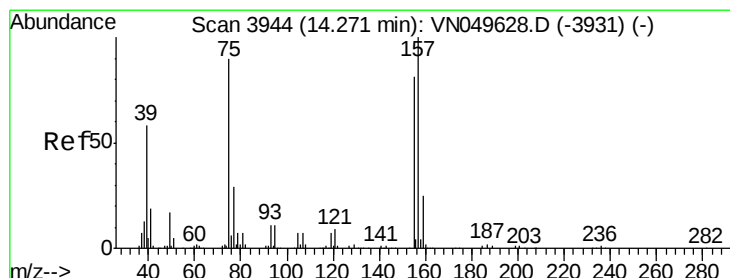
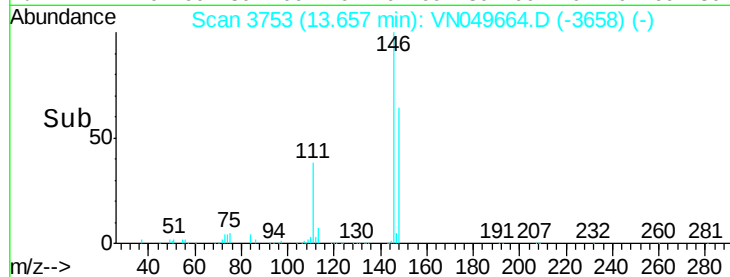
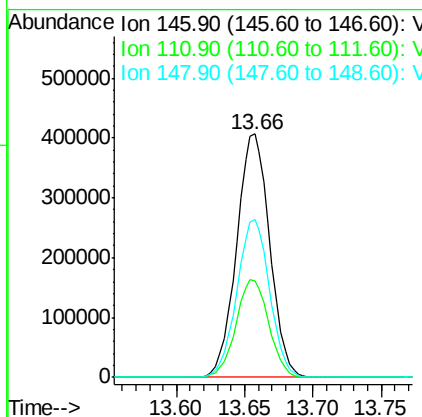
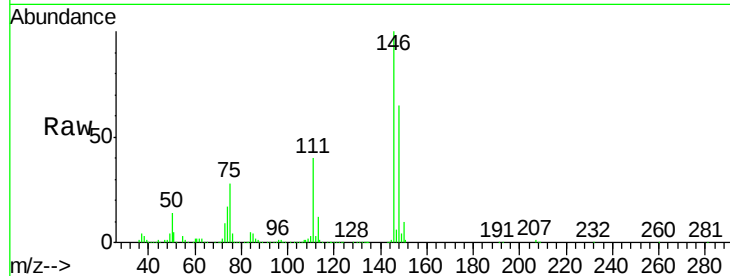




#91
 1,2-Dichlorobenzene
 Concen: 20.50 ug/l
 RT: 13.66 min Scan# 3753
 Delta R.T. 0.00 min
 Lab File: VN049664.D
 Acq: 2 Jul 2018 13:00

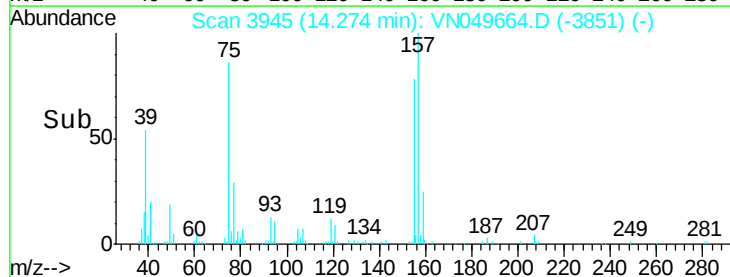
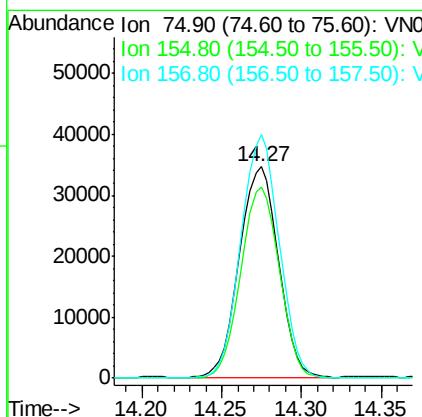
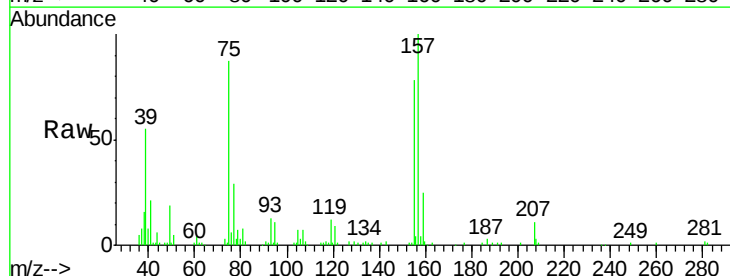
Instrument :
 MSVOA_N
 ClientSampled :
 VN0702WBSD01

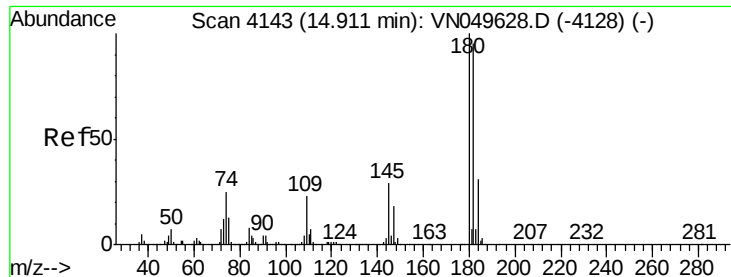
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.9	19.7	59.1
148	64.3	32.0	96.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.29 ug/l
 RT: 14.27 min Scan# 3945
 Delta R.T. 0.00 min
 Lab File: VN049664.D
 Acq: 2 Jul 2018 13:00

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.2	45.7	137.1
157	112.0	56.9	170.7

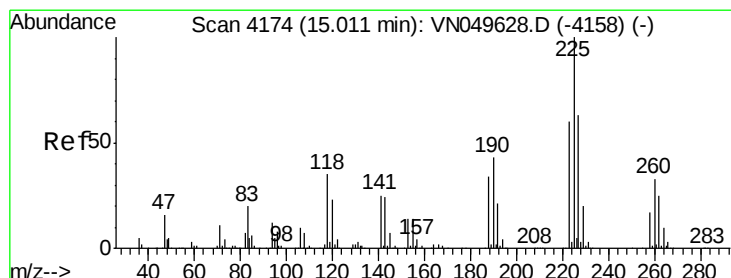
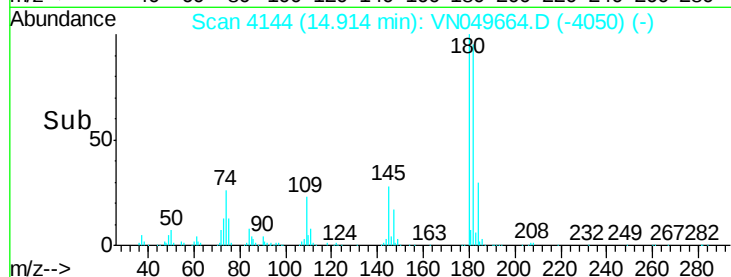
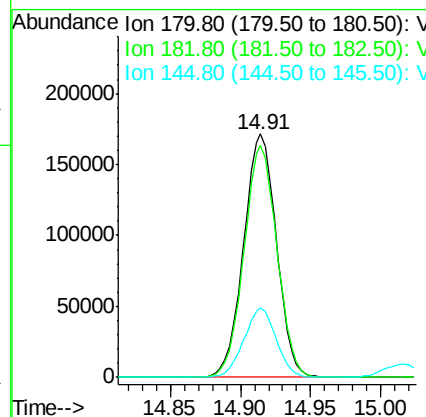
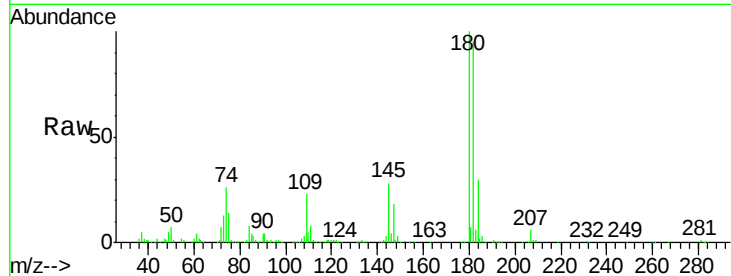




#93
 1,2,4-Trichlorobenzene
 Concen: 18.20 ug/l
 RT: 14.91 min Scan# 4144
 Delta R.T. 0.00 min
 Lab File: VN049664.D
 Acq: 2 Jul 2018 13:00

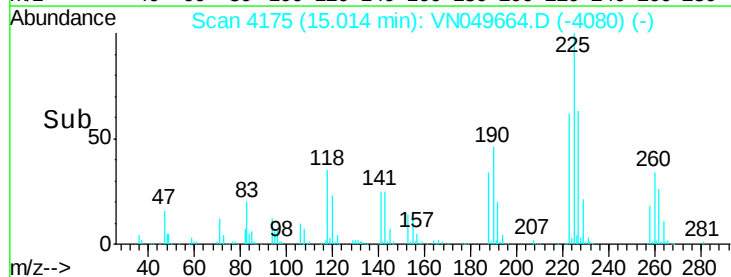
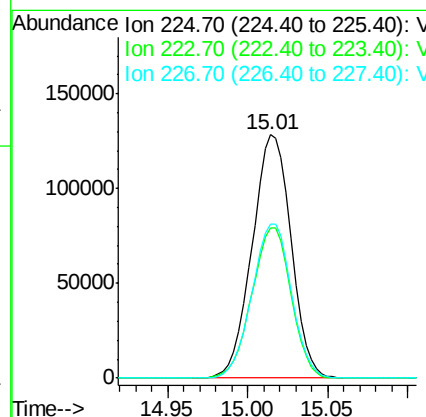
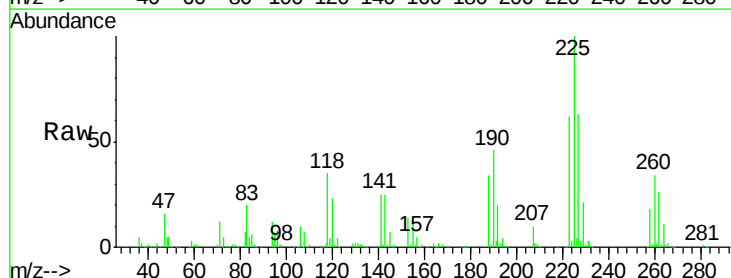
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0702WBSD01

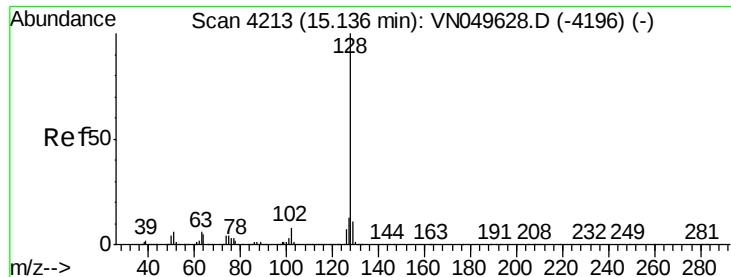
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.3	141.9
145	28.1	14.4	43.0



#94
 Hexachlorobutadiene
 Concen: 20.73 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN049664.D
 Acq: 2 Jul 2018 13:00

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.3	30.9	92.7
227	64.3	31.8	95.4

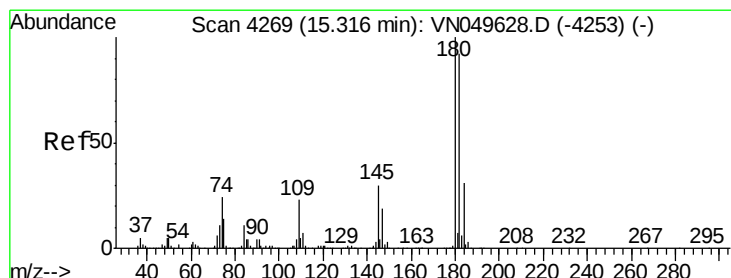
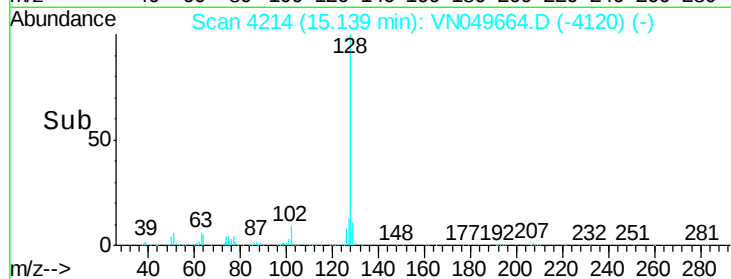
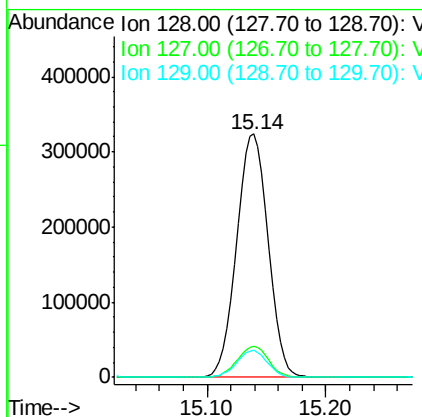
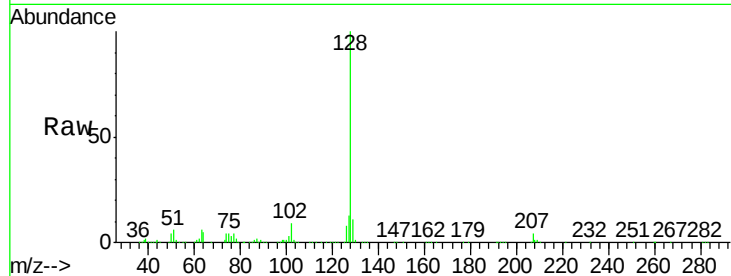




#95
Naphthalene
Concen: 18.69 ug/l
RT: 15.14 min Scan# 4214
Delta R.T. 0.00 min
Lab File: VN049664.D
Acq: 2 Jul 2018 13:00

Instrument :
MSVOA_N
ClientSampleId :
VN0702WBSD01

Tot Ion:128 Resp: 593107
Ion Ratio Lower Upper
128 100
127 12.7 10.4 15.6
129 10.9 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 19.13 ug/l
RT: 15.32 min Scan# 4270
Delta R.T. 0.00 min
Lab File: VN049664.D
Acq: 2 Jul 2018 13:00

Tgt Ion:180 Resp: 289793
Ion Ratio Lower Upper
180 100
182 95.0 47.4 142.2
145 30.6 15.2 45.6

