

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071318\
 Data File : VN049796.D
 Acq On : 13 Jul 2018 14:49
 Operator : MD\SY
 Sample : VN0713WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0713WBS01

Quant Time: Jul 13 23:49:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 12 15:51:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1093780	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1605830	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1444279	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	730530	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	591821	46.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.02%	
35) Dibromofluoromethane	7.59	113	564147	46.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.22%	
50) Toluene-d8	10.09	98	1848425	44.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.22%	
62) 4-Bromofluorobenzene	12.40	95	656828	44.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	200907	20.43	ug/l	96
3) Chloromethane	2.06	50	263177	20.31	ug/l	100
4) Vinyl Chloride	2.18	62	300471	21.29	ug/l	99
5) Bromomethane	2.57	94	186507	20.98	ug/l	99
6) Chloroethane	2.71	64	197741	20.33	ug/l	99
7) Trichlorofluoromethane	3.02	101	429706	20.72	ug/l	96
8) Diethyl Ether	3.42	74	147348	19.83	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	272732	20.26	ug/l	99
10) Methyl Iodide	3.96	142	355880	20.80	ug/l	98
11) Tert butyl alcohol	4.80	59	85491	100.39	ug/l	98
12) 1,1-Dichloroethene	3.74	96	233481	19.74	ug/l	97
13) Acrolein	3.61	56	70975	94.89	ug/l	98
14) Allyl chloride	4.33	41	377280	19.55	ug/l	97
15) Acrylonitrile	4.99	53	438717	102.87	ug/l	98
16) Acetone	3.82	43	348895	110.25	ug/l	99
17) Carbon Disulfide	4.05	76	613499	19.99	ug/l	99
18) Methyl Acetate	4.33	43	235234	21.72	ug/l	100
19) Methyl tert-butyl Ether	5.06	73	670572	20.44	ug/l	99
20) Methylene Chloride	4.55	84	287033	21.47	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	252358	19.52	ug/l	97
22) Diisopropyl ether	5.96	45	840325	21.19	ug/l	99
23) Vinyl Acetate	5.90	43	2718115	102.29	ug/l	100
24) 1,1-Dichloroethane	5.85	63	519440	20.85	ug/l	100
25) 2-Butanone	6.84	43	514828	103.83	ug/l	99
26) 2,2-Dichloropropane	6.83	77	430929	20.84	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	300675	20.34	ug/l	99
28) Bromochloromethane	7.20	49	197396	17.42	ug/l	98
29) Tetrahydrofuran	7.22	42	321839	103.37	ug/l	99
30) Chloroform	7.37	83	531058	20.69	ug/l	99
31) Cyclohexane	7.66	56	405531	20.30	ug/l	91
32) 1,1,1-Trichloroethane	7.57	97	448204	20.56	ug/l	99
36) 1,1-Dichloropropene	7.80	75	365441	19.75	ug/l	99
37) Ethyl Acetate	6.94	43	221288	20.20	ug/l	99
38) Carbon Tetrachloride	7.78	117	389821	20.15	ug/l	99

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	371828	19.06	ug/l	97
40) Benzene	8.05	78	1138212	20.56	ug/l	99
41) Methacrylonitrile	7.18	41	114294	18.45	ug/l	93
42) 1,2-Dichloroethane	8.13	62	373648	20.63	ug/l	99
43) Isopropyl Acetate	8.17	43	411789	20.92	ug/l	98
44) Trichloroethene	8.84	130	299956	20.12	ug/l	99
45) 1,2-Dichloropropane	9.12	63	306331	20.59	ug/l	98
46) Dibromomethane	9.21	93	184903	20.93	ug/l	97
47) Bromodichloromethane	9.40	83	396917	20.40	ug/l	96
48) Methyl methacrylate	9.20	41	200843	20.40	ug/l	98
49) 1,4-Dioxane	9.20	88	51318	397.87	ug/l	93
51) 4-Methyl-2-Pentanone	9.99	43	1124272	105.17	ug/l	100
52) Toluene	10.16	92	697061	21.04	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	380094	20.31	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	438775	20.58	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	271003	21.23	ug/l	99
56) Ethyl methacrylate	10.43	69	309825	20.72	ug/l	97
57) 1,3-Dichloropropane	10.71	76	438964	20.80	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	655357	91.37	ug/l	99
59) 2-Hexanone	10.75	43	740765	104.24	ug/l	99
60) Dibromochloromethane	10.90	129	298751	20.58	ug/l	100
61) 1,2-Dibromoethane	11.01	107	246039	20.41	ug/l	99
64) Tetrachloroethene	10.63	164	262335	20.00	ug/l	99
65) Chlorobenzene	11.44	112	761672	20.24	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	298719	21.10	ug/l	99
67) Ethyl Benzene	11.51	91	1269925	20.61	ug/l	100
68) m/p-Xylenes	11.62	106	978856	42.33	ug/l	99
69) o-Xylene	11.95	106	473877	21.21	ug/l	97
70) Styrene	11.97	104	763569	21.52	ug/l	100
71) Bromoform	12.13	173	199788	20.89	ug/l #	98
73) Isopropylbenzene	12.25	105	1263653	20.81	ug/l	100
74) N-amyl acetate	12.07	43	318910	20.19	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	322886	21.98	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	377397	29.08	ug/l #	100
77) Bromobenzene	12.53	156	329819	20.48	ug/l	98
78) n-propylbenzene	12.59	91	1444057	21.10	ug/l	99
79) 2-Chlorotoluene	12.68	91	882034	21.05	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1033408	21.42	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	78209	19.46	ug/l	97
82) 4-Chlorotoluene	12.77	91	866232	20.85	ug/l	100
83) tert-Butylbenzene	12.99	119	902766	20.91	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1065111	22.01	ug/l	100
85) sec-Butylbenzene	13.17	105	1209927	21.39	ug/l	100
86) p-Isopropyltoluene	13.29	119	1031953	21.56	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	571164	20.45	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	544870	20.07	ug/l	99
89) n-Butylbenzene	13.62	91	808861	20.47	ug/l	99
90) Hexachloroethane	13.88	117	204374	21.58	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	565663	20.76	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	45463	20.90	ug/l	97

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Quant Title : SW846 8260
QLast Update : Thu Jul 12 15:51:38 2018
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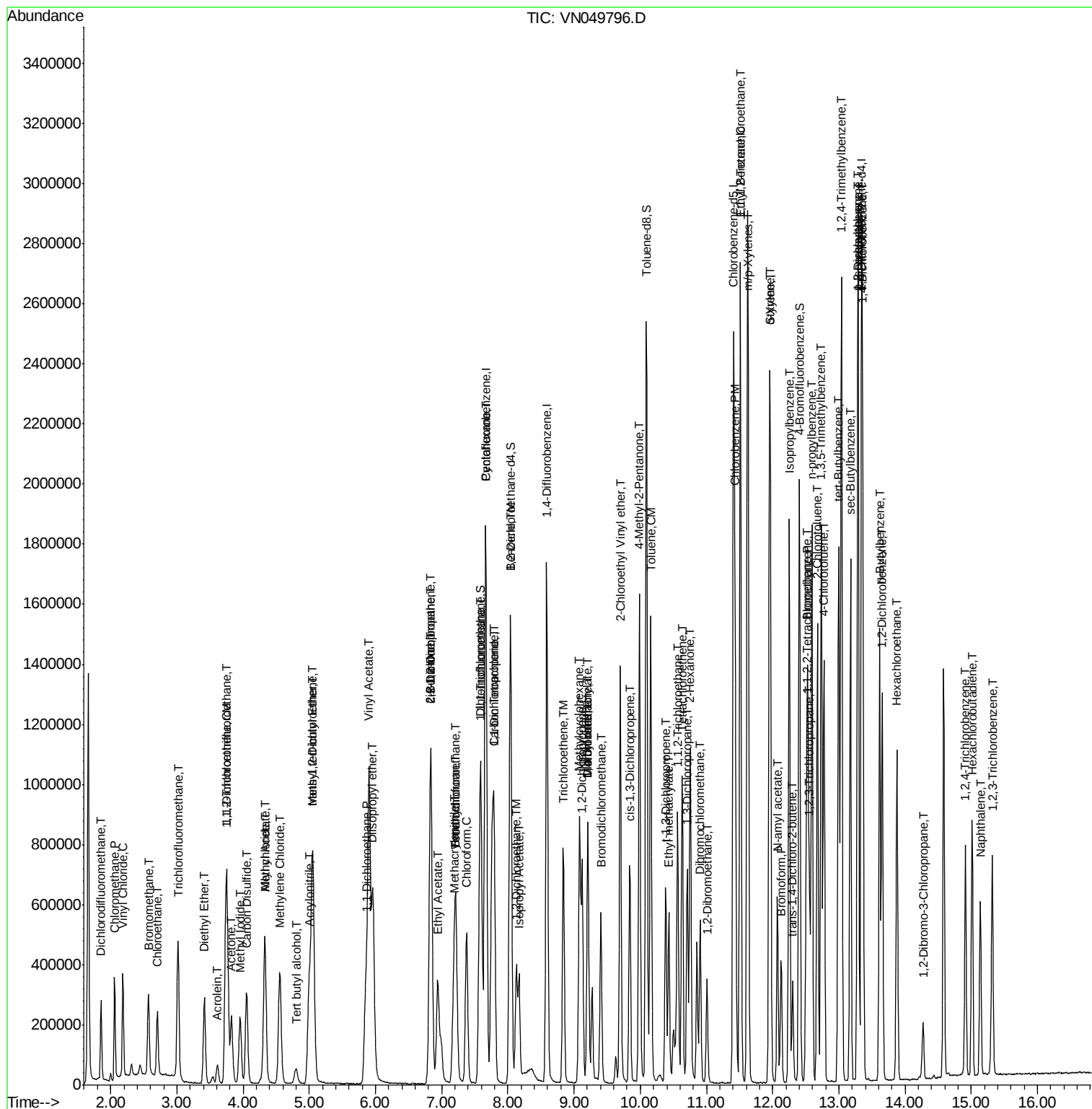
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	260269	19.27	ug/l	100
94) Hexachlorobutadiene	15.01	225	185509	21.63	ug/l	99
95) Naphthalene	15.14	128	503445	18.36	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	265985	20.12	ug/l	98

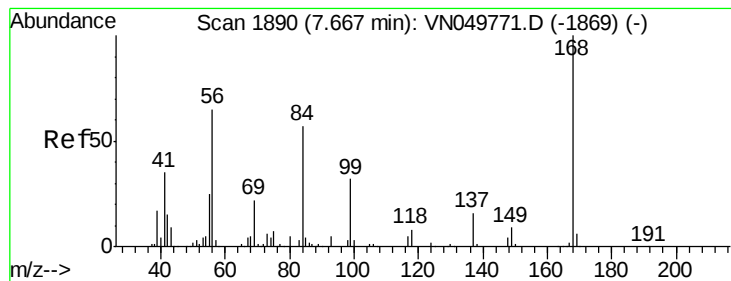
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN071318\
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Quant Title : SW846 8260
QLast Update : Thu Jul 12 15:51:38 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN049796.D

Acq: 13 Jul 2018 14:49

Instrument :

MSVOA_N

ClientSampleId :

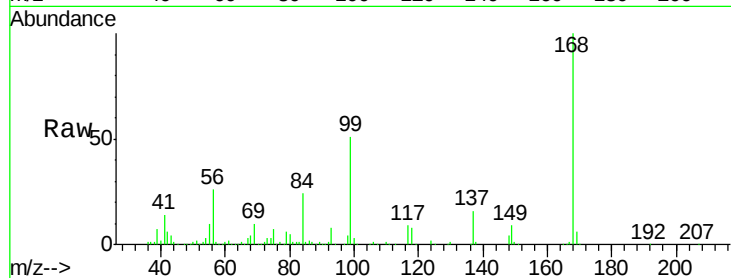
VN0713WBS01

Tot Ion:168 Resp: 1093780

Ion Ratio Lower Upper

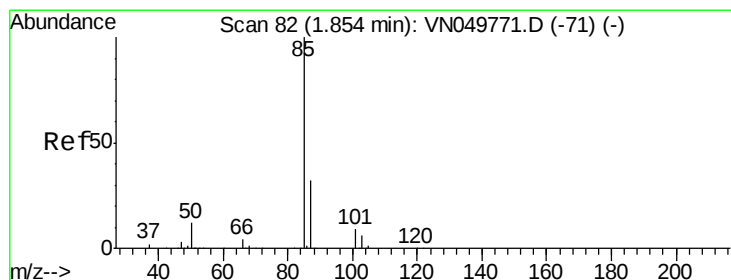
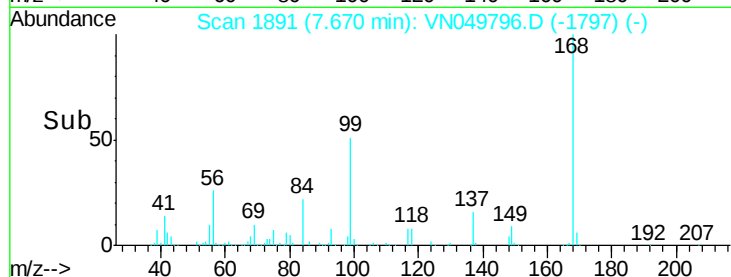
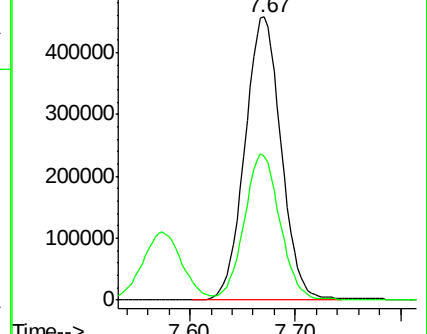
168 100

99 50.7 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 20.43 ug/l

RT: 1.85 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN049796.D

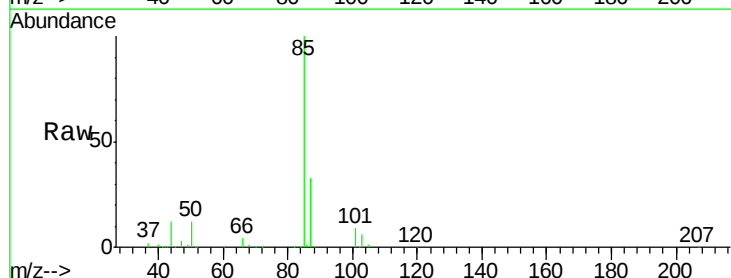
Acq: 13 Jul 2018 14:49

Tgt Ion: 85 Resp: 200907

Ion Ratio Lower Upper

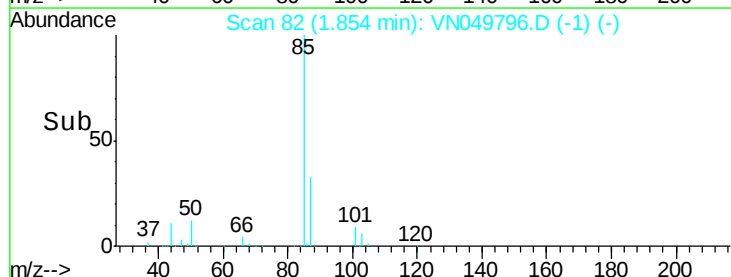
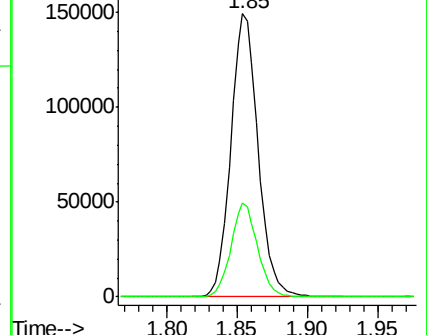
85 100

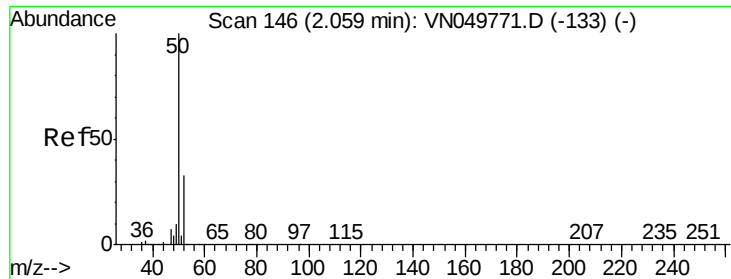
87 33.1 15.4 46.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 20.31 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN049796.D

Acq: 13 Jul 2018 14:49

Instrument :

MSVOA_N

ClientSampleId :

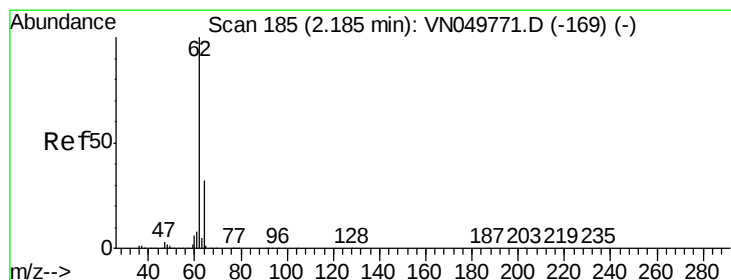
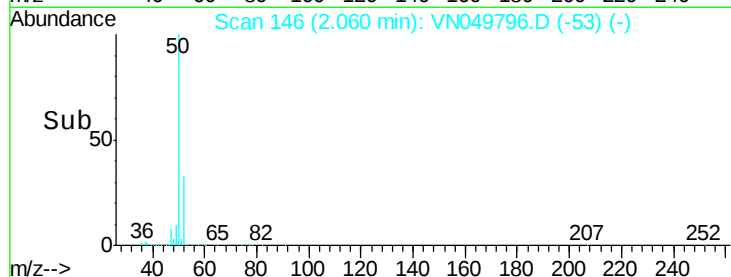
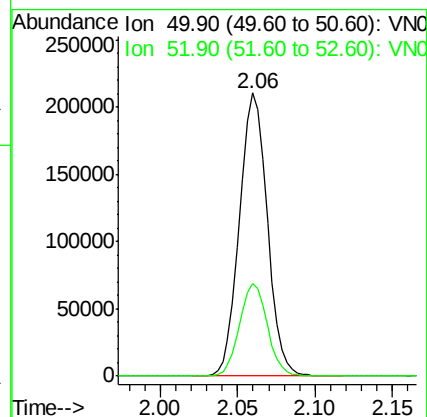
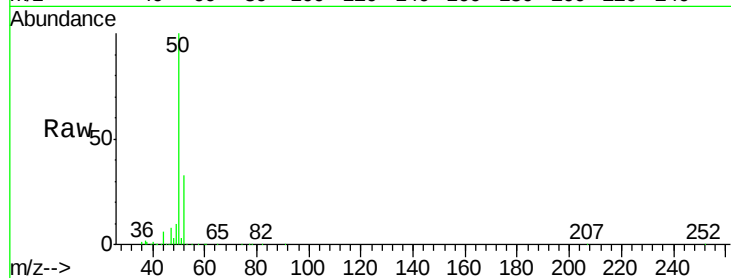
VN0713WBS01

Tot Ion: 50 Resp: 263177

Ion Ratio Lower Upper

50 100

52 32.6 26.1 39.1



#4

Vinyl Chloride

Concen: 21.29 ug/l

RT: 2.18 min Scan# 185

Delta R.T. 0.00 min

Lab File: VN049796.D

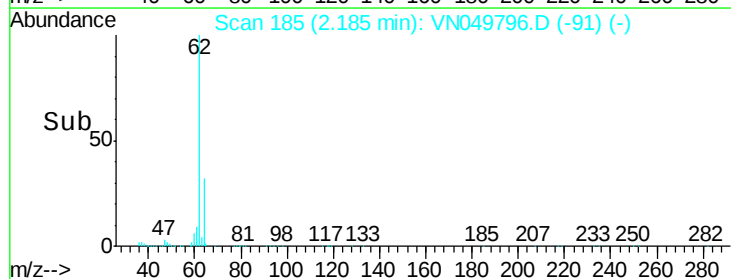
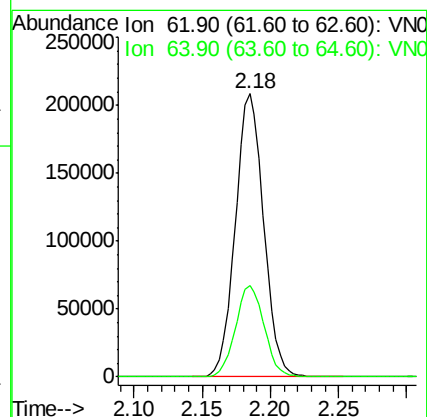
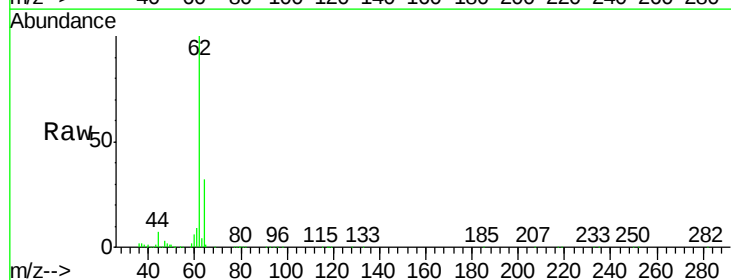
Acq: 13 Jul 2018 14:49

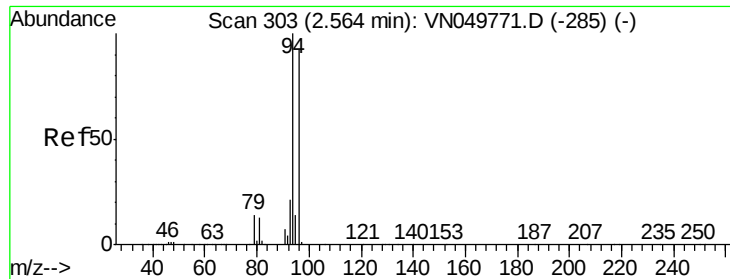
Tgt Ion: 62 Resp: 300471

Ion Ratio Lower Upper

62 100

64 32.3 25.4 38.0





#5

Bromomethane

Concen: 20.98 ug/l

RT: 2.57 min Scan# 305

Delta R.T. 0.01 min

Lab File: VN049796.D

Acq: 13 Jul 2018 14:49

Instrument :

MSVOA_N

ClientSampled :

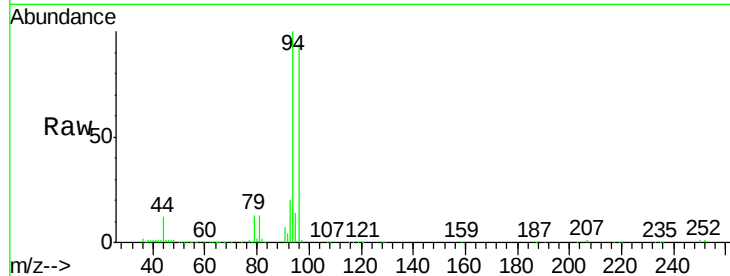
VN0713WBS01

Tot Ion: 94 Resp: 186507

Ion Ratio Lower Upper

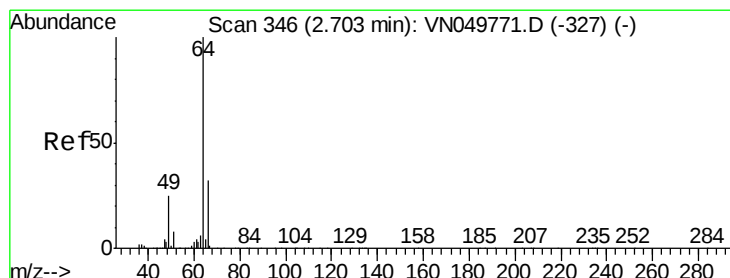
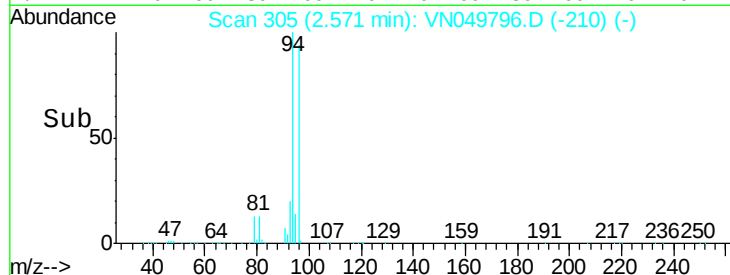
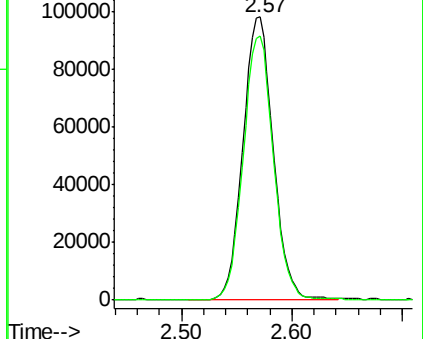
94 100

96 93.2 75.7 113.5



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 20.33 ug/l

RT: 2.71 min Scan# 347

Delta R.T. 0.00 min

Lab File: VN049796.D

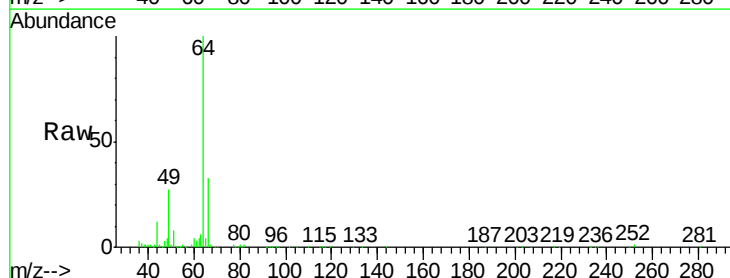
Acq: 13 Jul 2018 14:49

Tgt Ion: 64 Resp: 197741

Ion Ratio Lower Upper

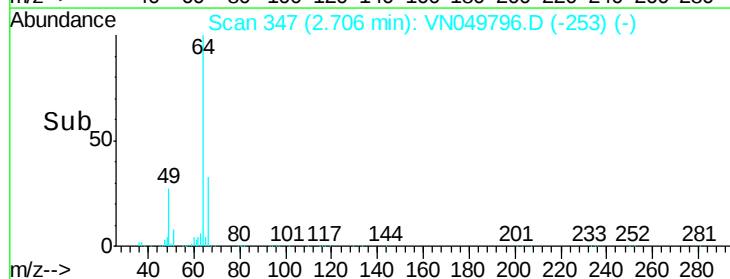
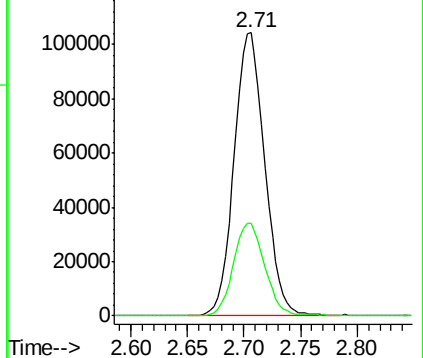
64 100

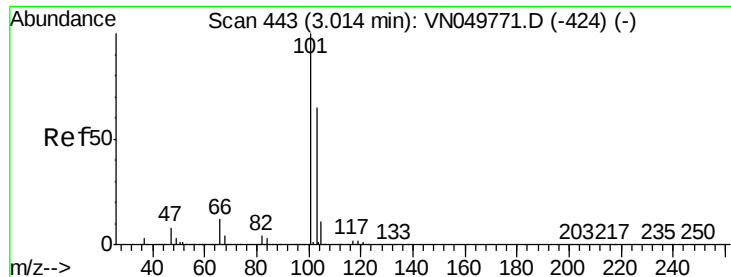
66 32.5 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

Trichlorofluoromethane

Concen: 20.72 ug/l

RT: 3.02 min Scan# 444

Delta R.T. 0.00 min

Lab File: VN049796.D

Acq: 13 Jul 2018 14:49

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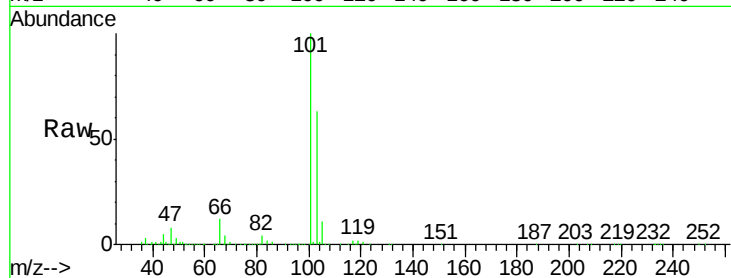
VN0713WBS01

Tot Ion:101 Resp: 429706

Ion Ratio Lower Upper

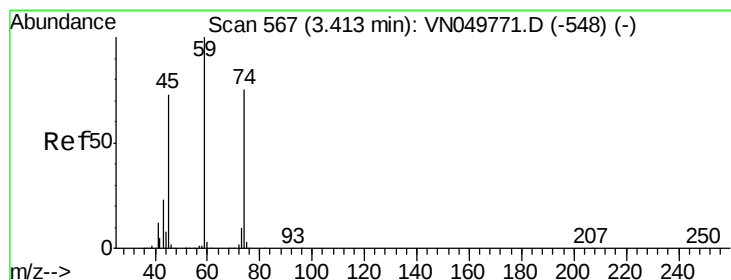
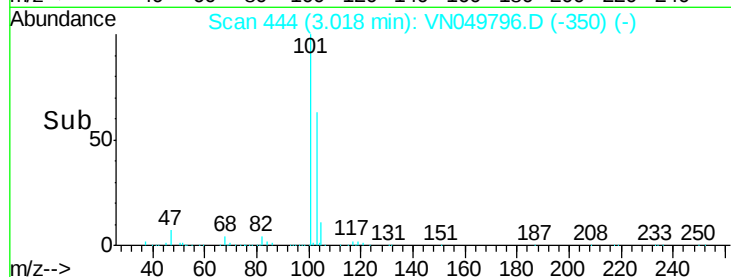
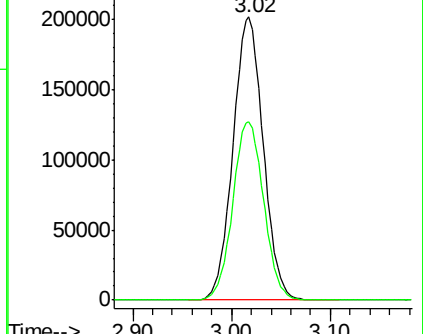
101 100

103 63.2 52.8 79.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 19.83 ug/l

RT: 3.42 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN049796.D

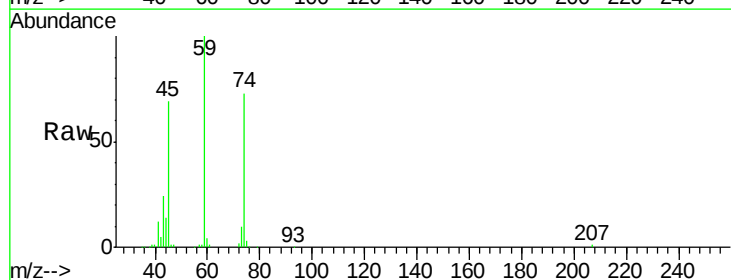
Acq: 13 Jul 2018 14:49

Tgt Ion: 74 Resp: 147348

Ion Ratio Lower Upper

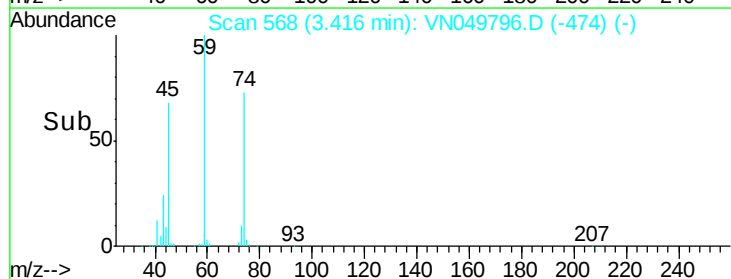
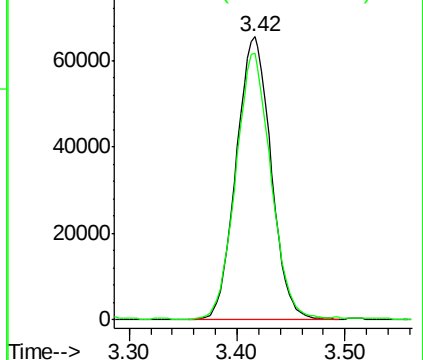
74 100

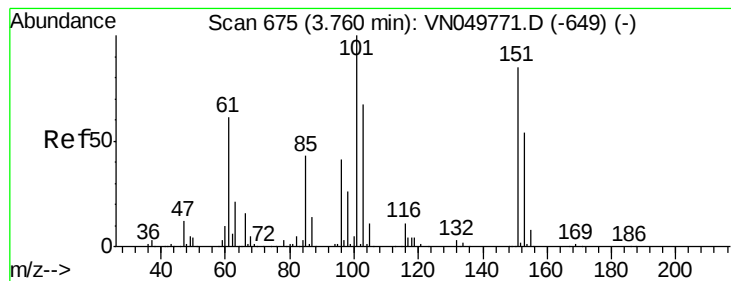
45 94.6 48.4 145.2



Abundance Ion 74.00 (73.70 to 74.70): VNO

Ion 45.00 (44.70 to 45.70): VNO





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.26 ug/l

RT: 3.76 min Scan# 675

Delta R.T. 0.00 min

Lab File: VN049796.D

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VN0713WBS01

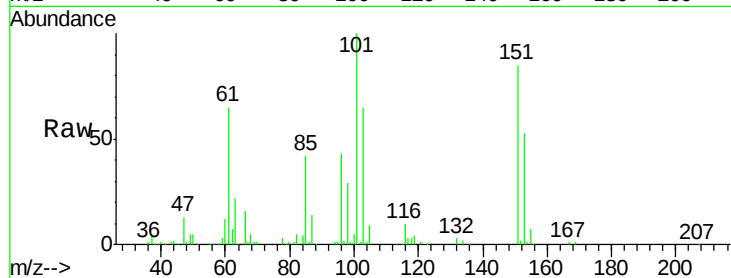
Tot Ion:101 Resp: 272732

Ion Ratio Lower Upper

101 100

85 41.6 34.4 51.6

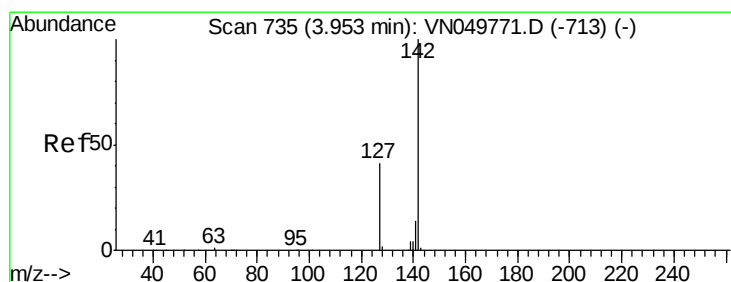
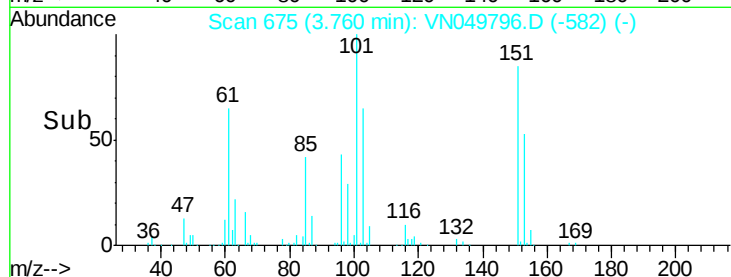
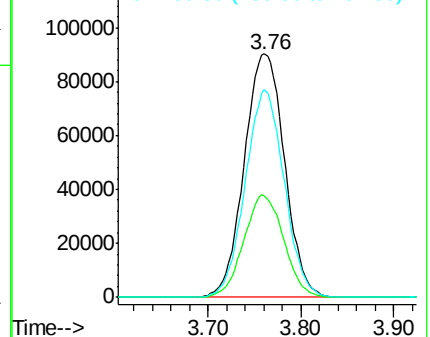
151 82.6 66.2 99.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.80 ug/l

RT: 3.96 min Scan# 736

Delta R.T. 0.00 min

Lab File: VN049796.D

Acq: 13 Jul 2018 14:49

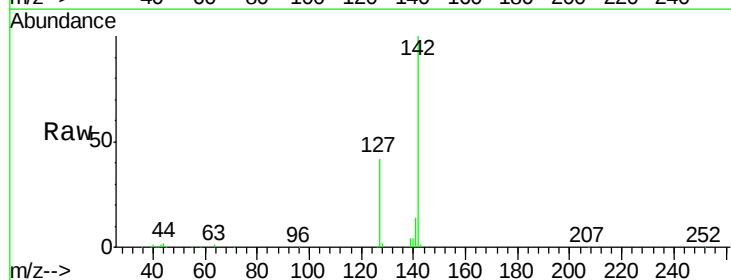
Tgt Ion:142 Resp: 355880

Ion Ratio Lower Upper

142 100

127 41.7 32.5 48.7

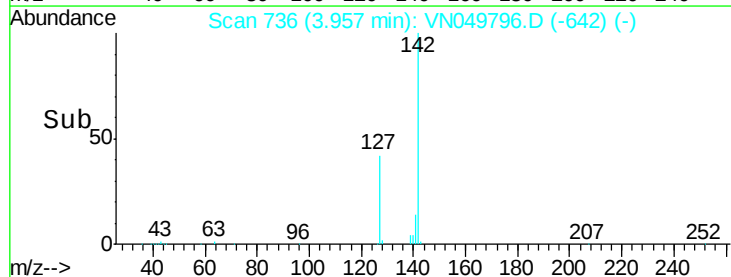
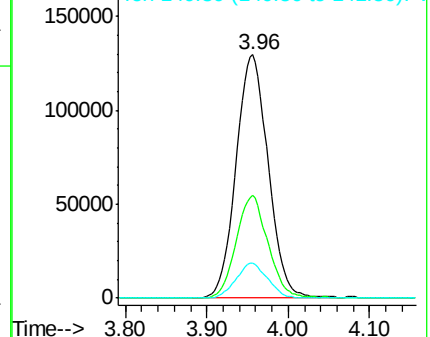
141 14.2 11.1 16.7

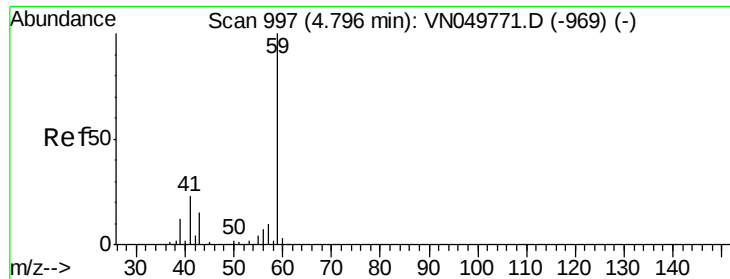


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



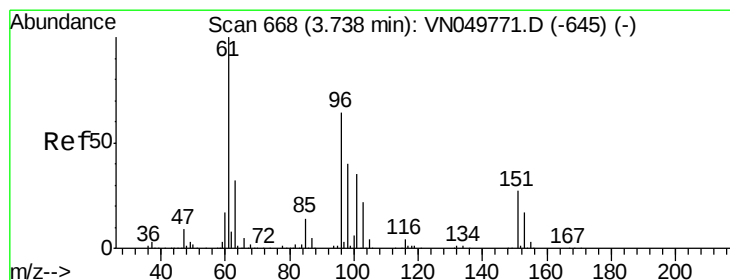
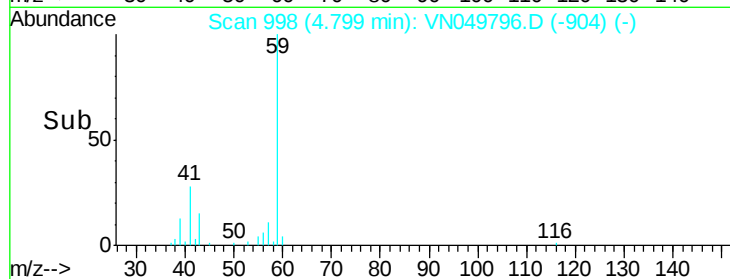
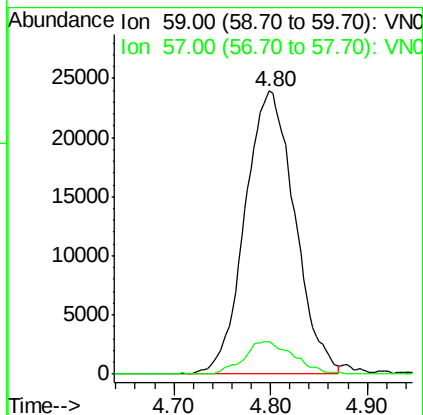
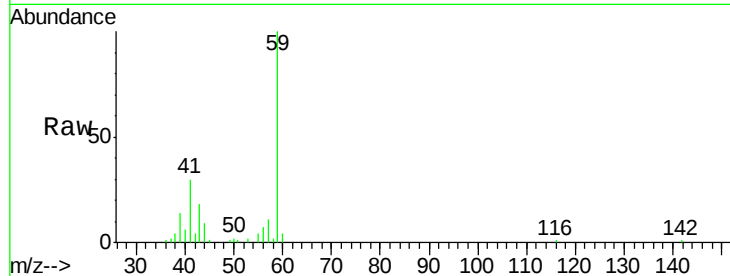


#11

Tert butyl alcohol
Concen: 100.39 ug/l
RT: 4.80 min Scan# 998
Delta R.T. 0.00 min
Lab File: VN049796.D
Acq: 13 Jul 2018 14:49

Instrument :
MSVOA_N
ClientSampled :
VN0713WBS01

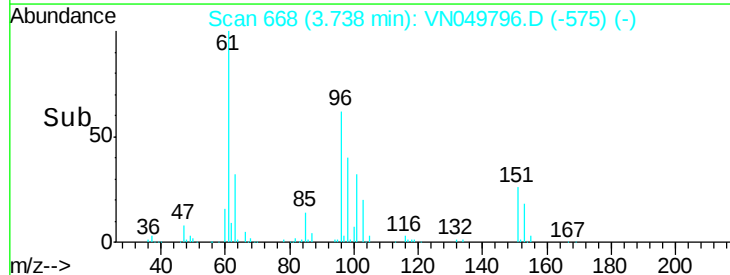
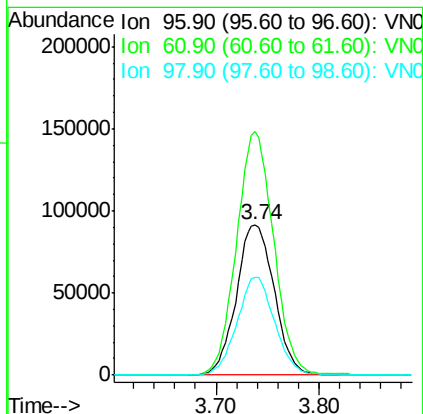
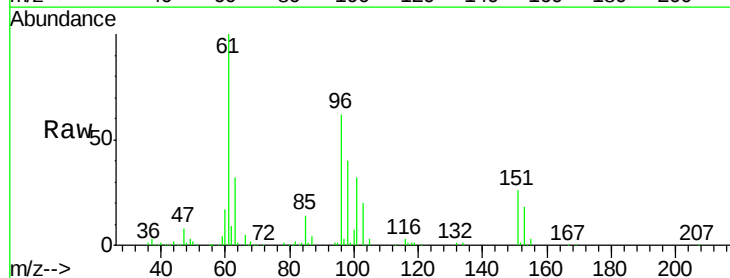
Tot Ion: 59 Resp: 85491
Ion Ratio Lower Upper
59 100
57 11.4 8.5 12.7

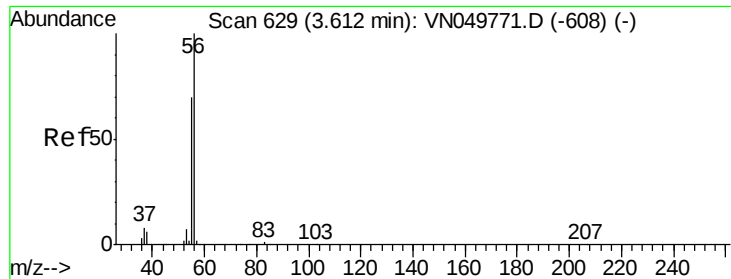


#12

1,1-Dichloroethene
Concen: 19.74 ug/l
RT: 3.74 min Scan# 668
Delta R.T. 0.00 min
Lab File: VN049796.D
Acq: 13 Jul 2018 14:49

Tgt Ion: 96 Resp: 233481
Ion Ratio Lower Upper
96 100
61 161.8 126.5 189.7
98 65.3 51.0 76.6





#13

Acrolein

Concen: 94.89 ug/l

RT: 3.61 min Scan# 628

Delta R.T. -0.00 min

Lab File: VN049796.D

Acq: 13 Jul 2018 14:49

Instrument :

MSVOA_N

ClientSampleId :

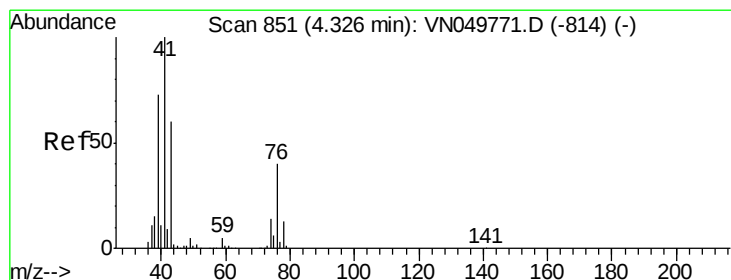
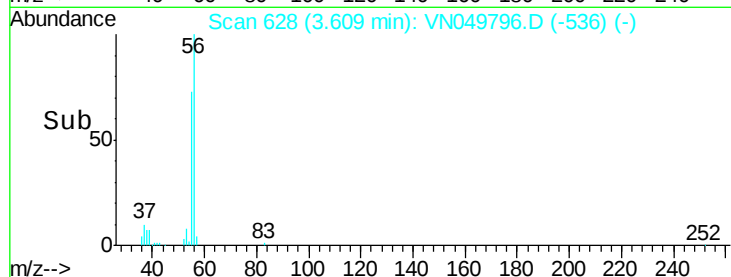
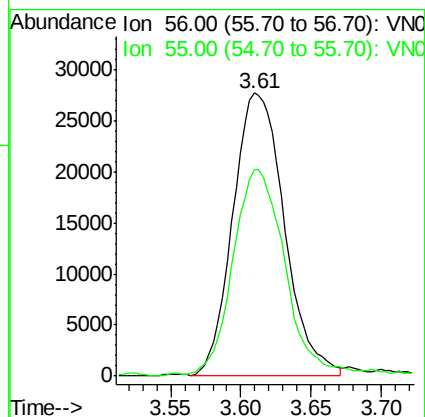
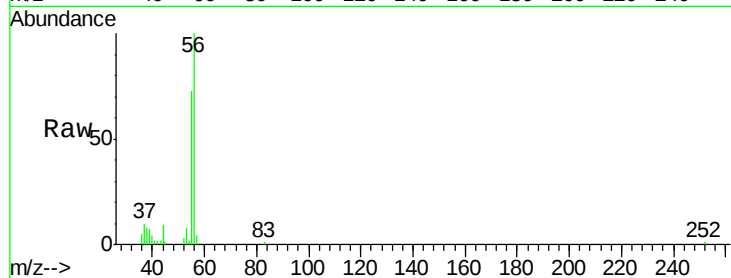
VN0713WBS01

Tot Ion: 56 Resp: 70975

Ion Ratio Lower Upper

56 100

55 71.4 55.8 83.8



#14

Allyl chloride

Concen: 19.55 ug/l

RT: 4.33 min Scan# 851

Delta R.T. 0.00 min

Lab File: VN049796.D

Acq: 13 Jul 2018 14:49

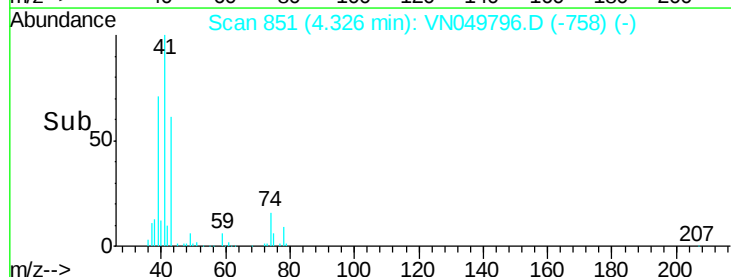
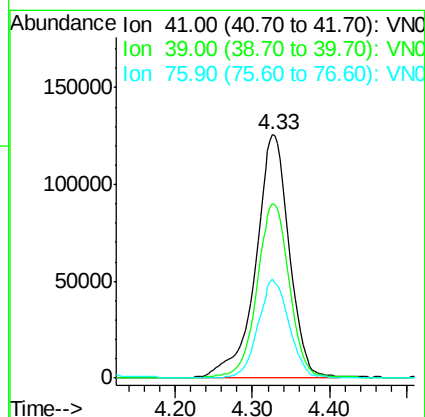
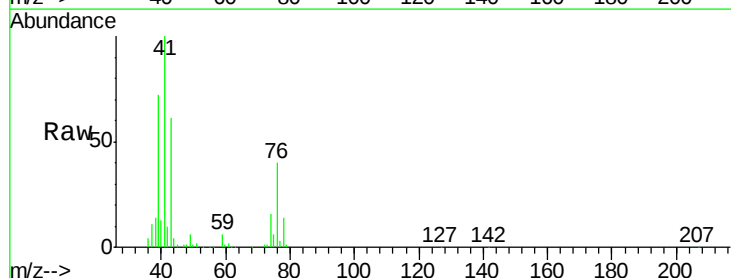
Tgt Ion: 41 Resp: 377280

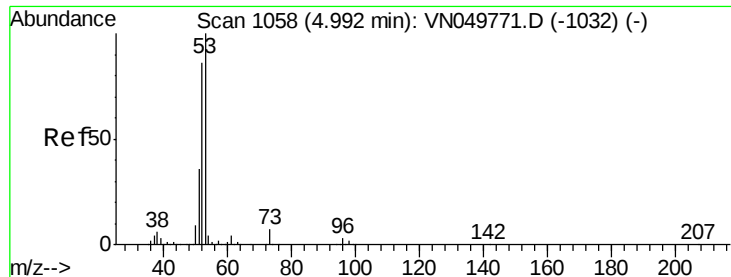
Ion Ratio Lower Upper

41 100

39 70.0 53.2 79.8

76 37.4 29.0 43.6





#15

Acrylonitrile

Concen: 102.87 ug/l

RT: 4.99 min Scan# 1058

Delta R.T. 0.00 min

Lab File: VN049796.D

Acq: 13 Jul 2018 14:49

Instrument :

MSVOA_N

ClientSampleId :

VN0713WBS01

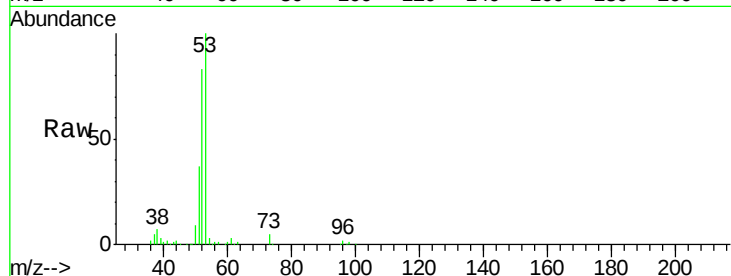
Tot Ion: 53 Resp: 438717

Ion Ratio Lower Upper

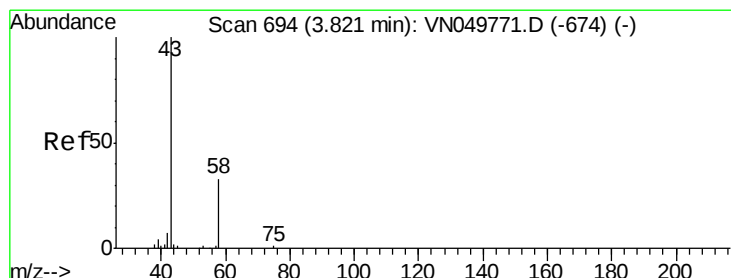
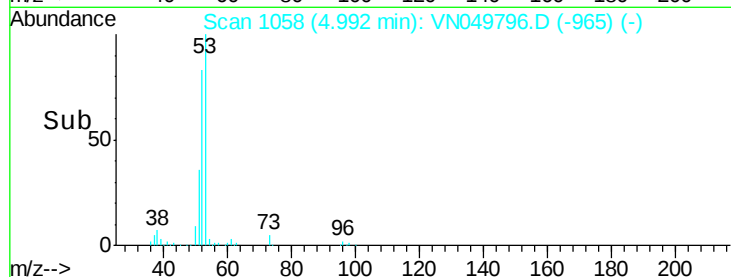
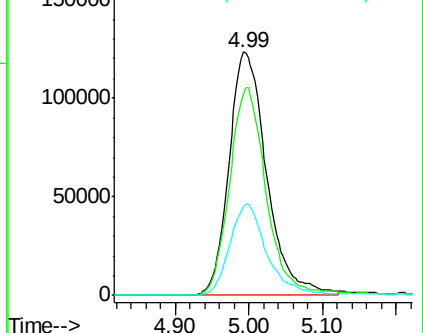
53 100

52 83.1 64.8 97.2

51 36.8 28.9 43.3



Abundance Ion 53.00 (52.70 to 53.70): VN0
Ion 52.00 (51.70 to 52.70): VN0
Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 110.25 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN049796.D

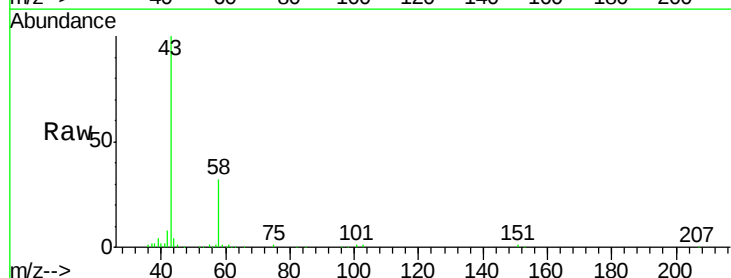
Acq: 13 Jul 2018 14:49

Tgt Ion: 43 Resp: 348895

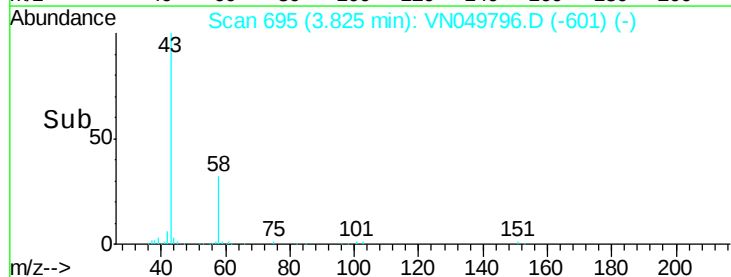
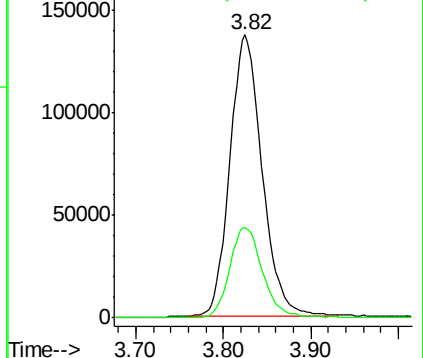
Ion Ratio Lower Upper

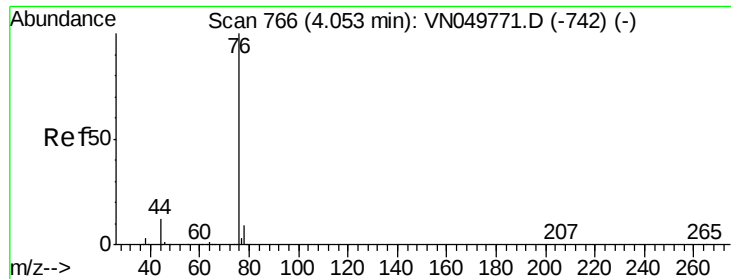
43 100

58 31.9 25.9 38.9



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

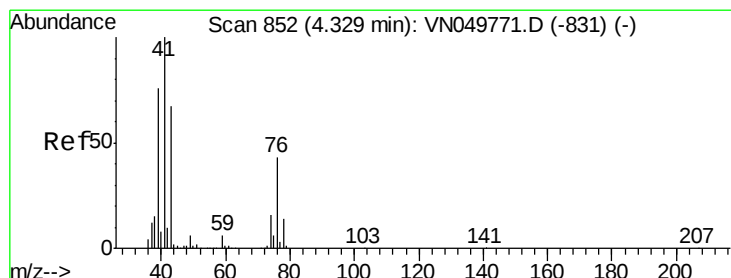
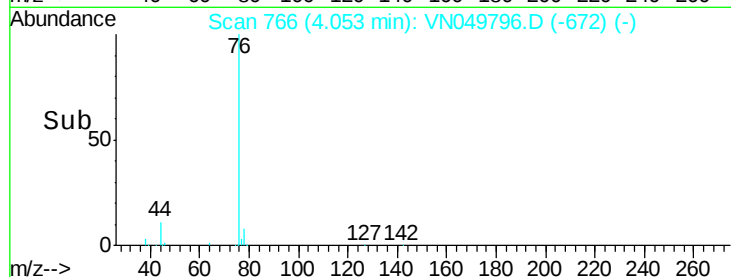
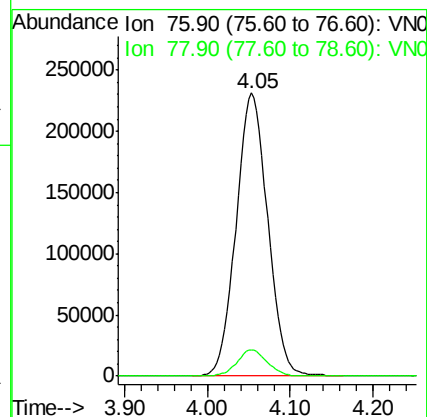
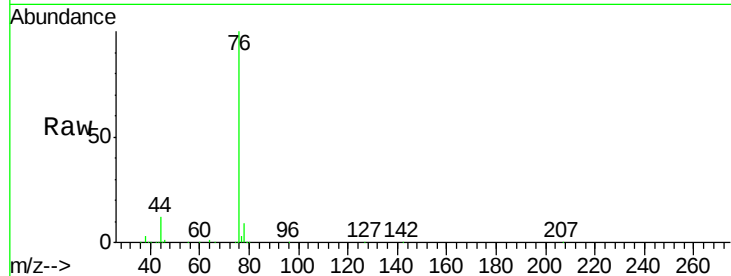




#17
Carbon Disulfide
Concen: 19.99 ug/l
RT: 4.05 min Scan# 766
Delta R.T. 0.00 min
Lab File: VN049796.D
Acq: 13 Jul 2018 14:49

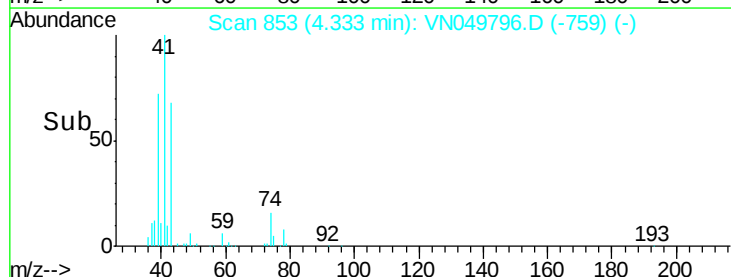
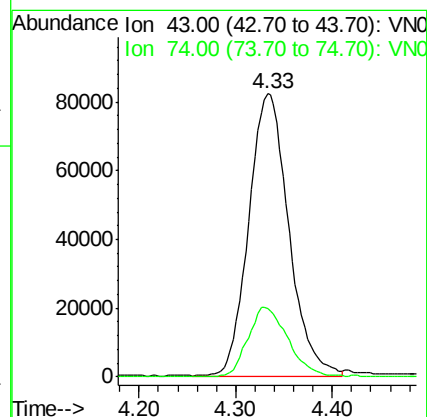
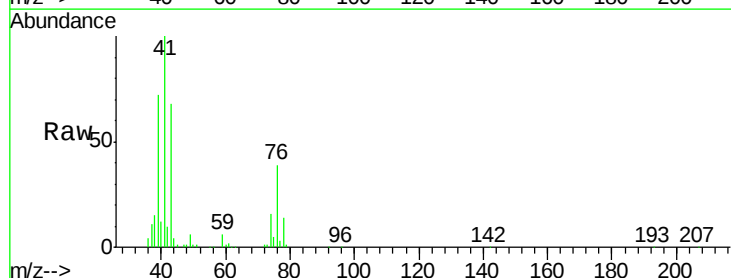
Instrument :
MSVOA_N
ClientSampled :
VN0713WBS01

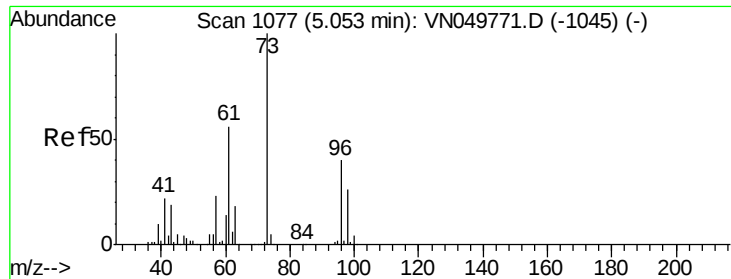
Tot Ion: 76 Resp: 613499
Ion Ratio Lower Upper
76 100
78 9.3 7.1 10.7



#18
Methyl Acetate
Concen: 21.72 ug/l
RT: 4.33 min Scan# 853
Delta R.T. 0.00 min
Lab File: VN049796.D
Acq: 13 Jul 2018 14:49

Tgt Ion: 43 Resp: 235234
Ion Ratio Lower Upper
43 100
74 24.8 19.8 29.8

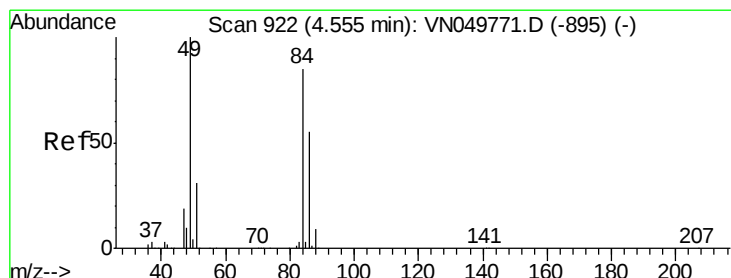
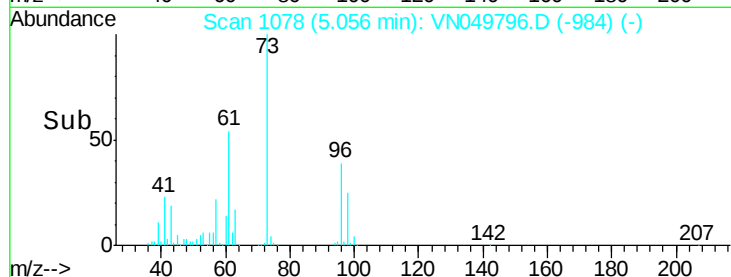
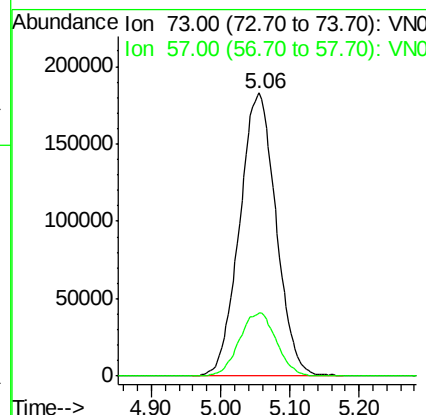
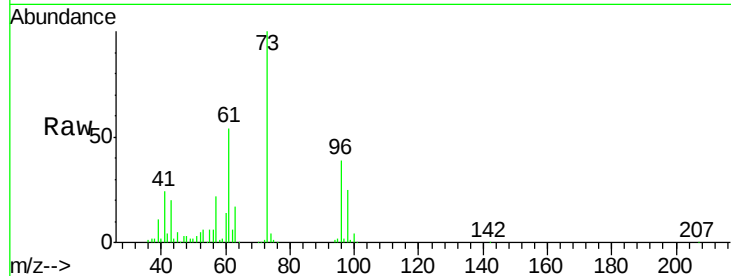




#19
Methvl tert-butvl Ether
Concen: 20.44 ug/l
RT: 5.06 min Scan# 1078
Delta R.T. 0.00 min
Lab File: VN049796.D
Acq: 13 Jul 2018 14:49

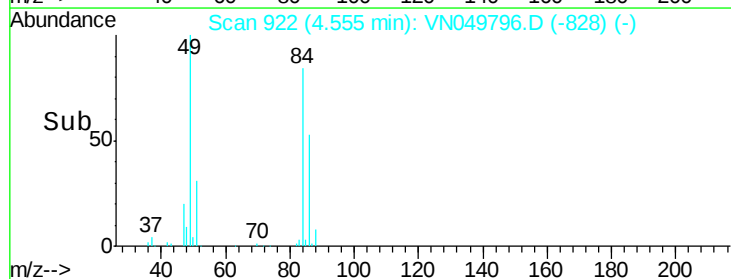
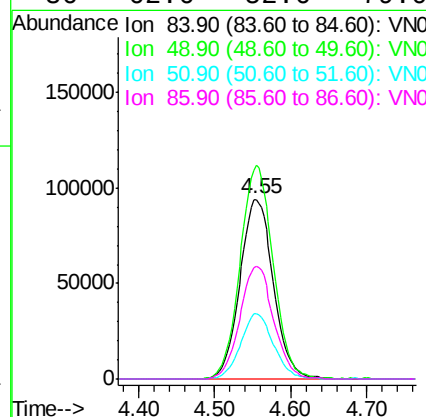
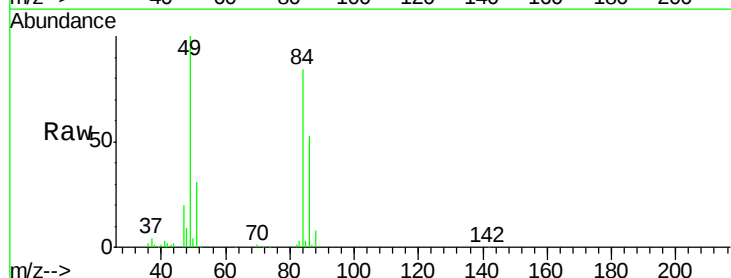
Instrument :
MSVOA_N
ClientSampleId :
VN0713WBS01

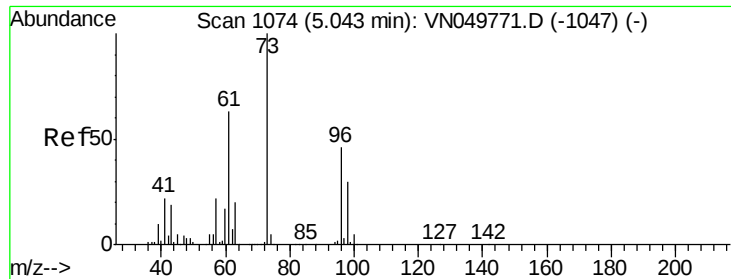
Tot Ion: 73 Resp: 670572
Ion Ratio Lower Upper
73 100
57 22.2 18.1 27.1



#20
Methylene Chloride
Concen: 21.47 ug/l
RT: 4.55 min Scan# 922
Delta R.T. 0.00 min
Lab File: VN049796.D
Acq: 13 Jul 2018 14:49

Tgt Ion: 84 Resp: 287033
Ion Ratio Lower Upper
84 100
49 118.8 95.4 143.2
51 36.6 28.4 42.6
86 62.6 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 19.52 ug/l

RT: 5.05 min Scan# 1075

Delta R.T. 0.00 min

Lab File: VN049796.D

Acq: 13 Jul 2018 14:49

Instrument :

MSVOA_N

ClientSampled :

VN0713WBS01

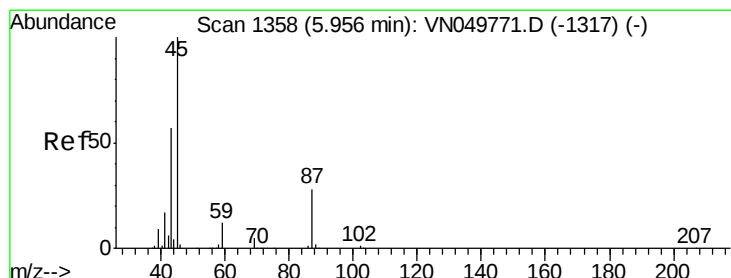
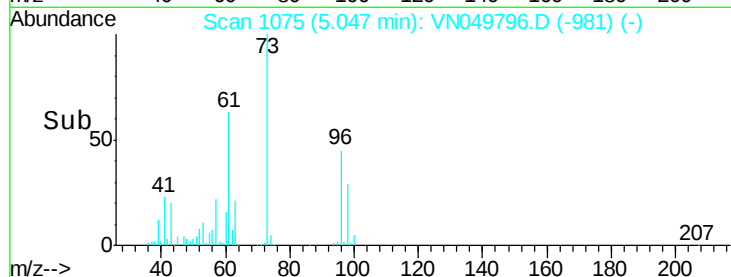
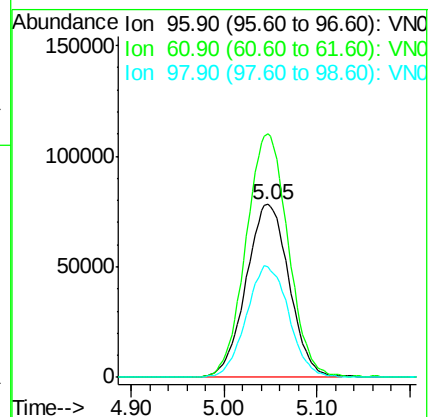
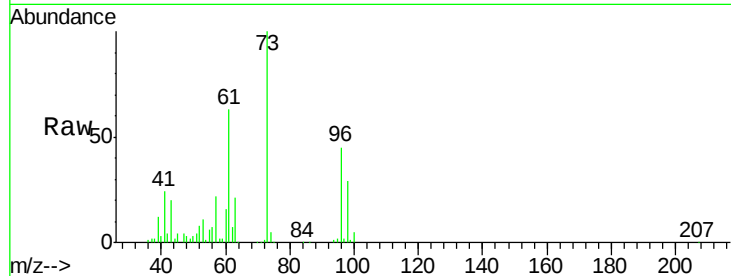
Tot Ion: 96 Resp: 252358

Ion Ratio Lower Upper

96 100

61 141.0 109.0 163.6

98 64.2 51.1 76.7



#22

Diisopropyl ether

Concen: 21.19 ug/l

RT: 5.96 min Scan# 1359

Delta R.T. 0.00 min

Lab File: VN049796.D

Acq: 13 Jul 2018 14:49

Tgt Ion: 45 Resp: 840325

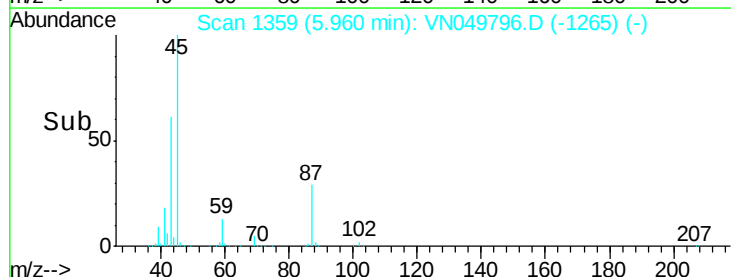
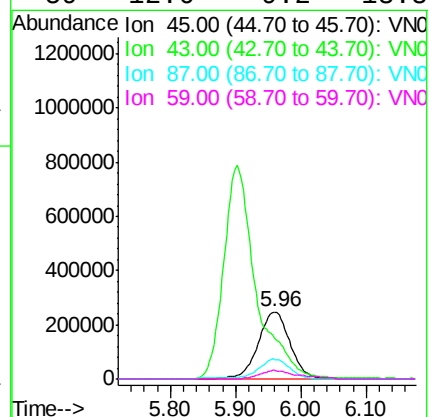
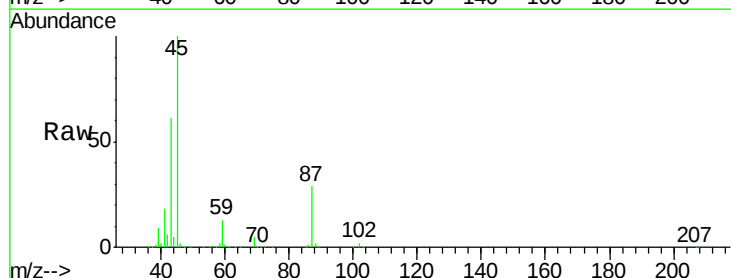
Ion Ratio Lower Upper

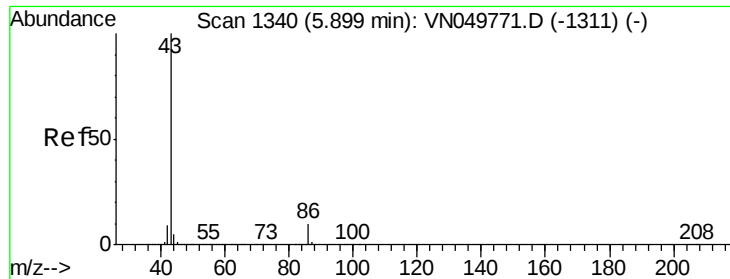
45 100

43 61.0 48.1 72.1

87 29.1 22.6 34.0

59 12.6 9.2 13.8

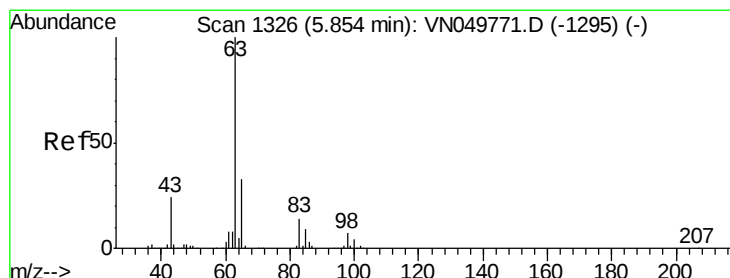
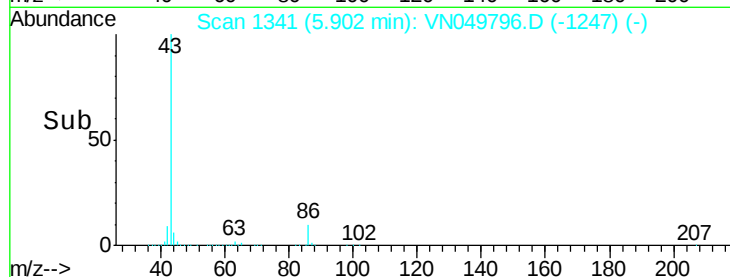
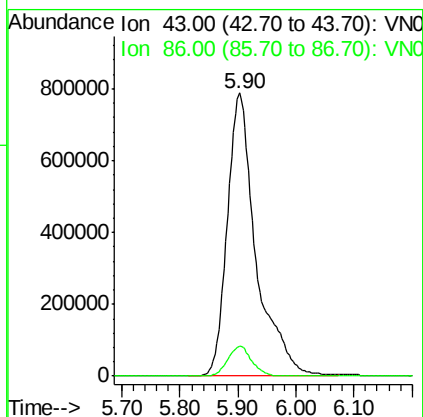
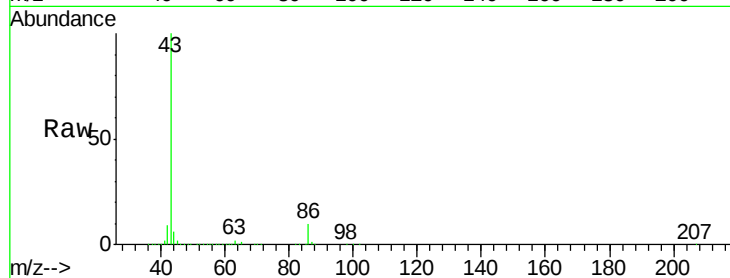




#23
 Vinyl Acetate
 Concen: 102.29 ug/l
 RT: 5.90 min Scan# 1341
 Delta R.T. 0.00 min
 Lab File: VN049796.D
 Acq: 13 Jul 2018 14:49

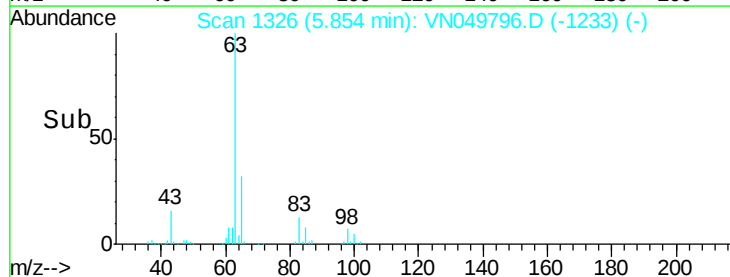
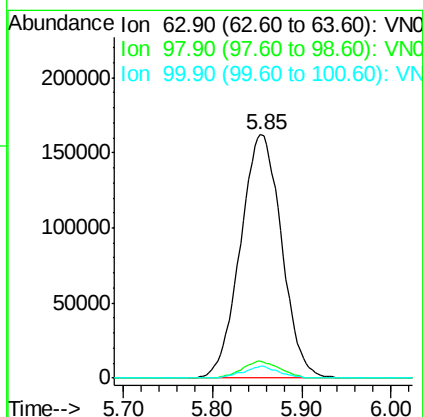
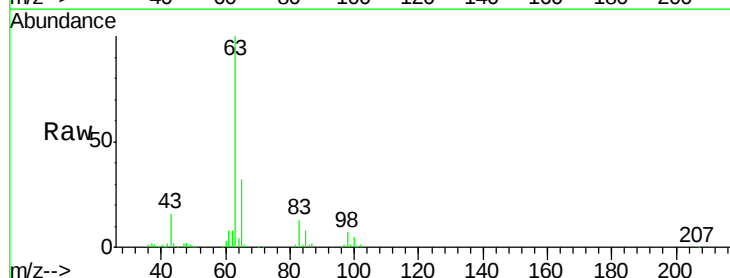
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0713WBS01

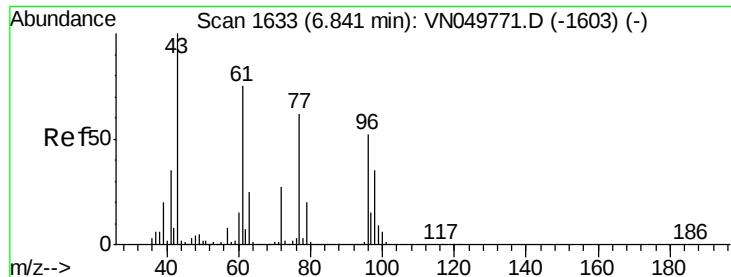
Tot Ion: 43 Resp: 2718115
 Ion Ratio Lower Upper
 43 100
 86 10.4 8.4 12.6



#24
 1,1-Dichloroethane
 Concen: 20.85 ug/l
 RT: 5.85 min Scan# 1326
 Delta R.T. 0.00 min
 Lab File: VN049796.D
 Acq: 13 Jul 2018 14:49

Tgt Ion: 63 Resp: 519440
 Ion Ratio Lower Upper
 63 100
 98 6.8 3.4 10.2
 100 4.7 2.2 6.6





#25

2-Butanone

Concen: 103.83 ug/l

RT: 6.84 min Scan# 1634

Delta R.T. 0.00 min

Lab File: VN049796.D

Acq: 13 Jul 2018 14:49

Instrument :

MSVOA_N

ClientSampleId :

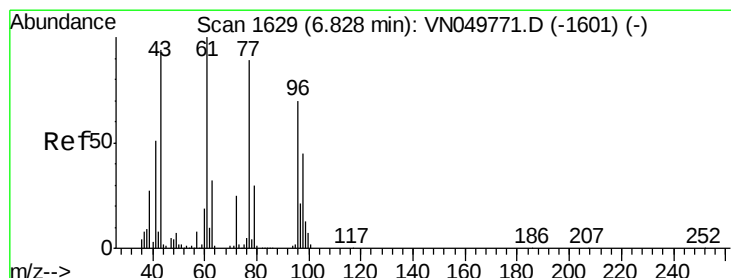
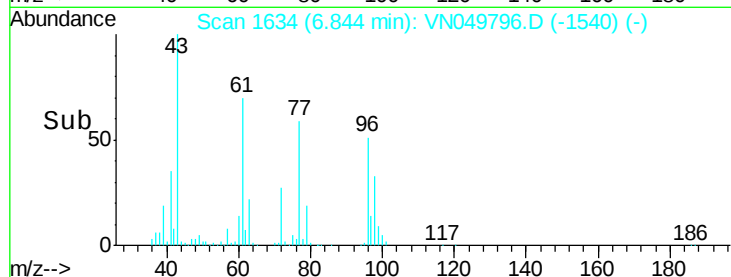
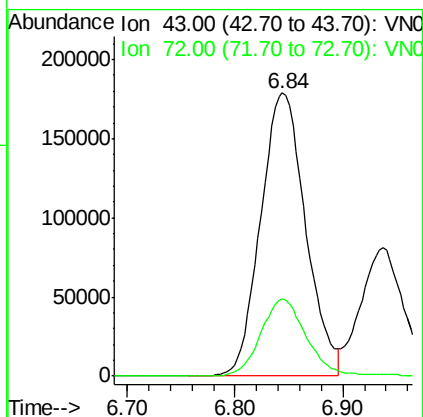
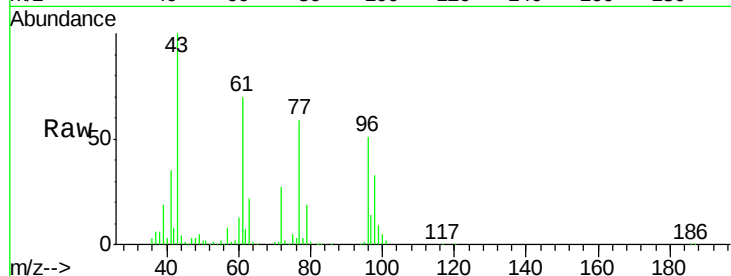
VN0713WBS01

Tot Ion: 43 Resp: 514828

Ion Ratio Lower Upper

43 100

72 27.2 22.1 33.1



#26

2,2-Dichloropropane

Concen: 20.84 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VN049796.D

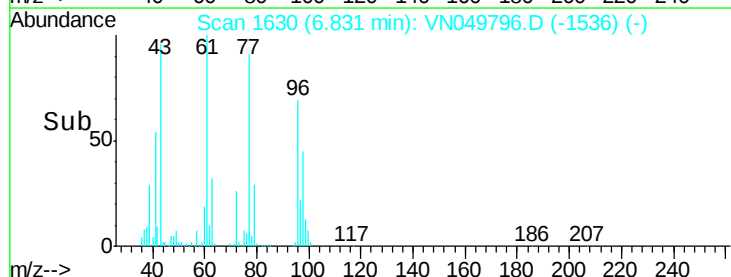
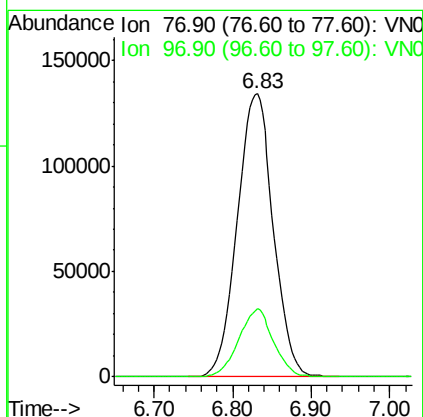
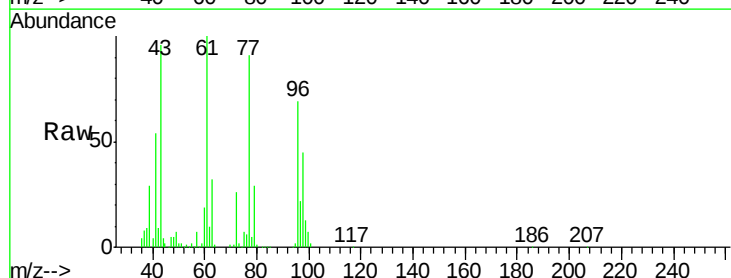
Acq: 13 Jul 2018 14:49

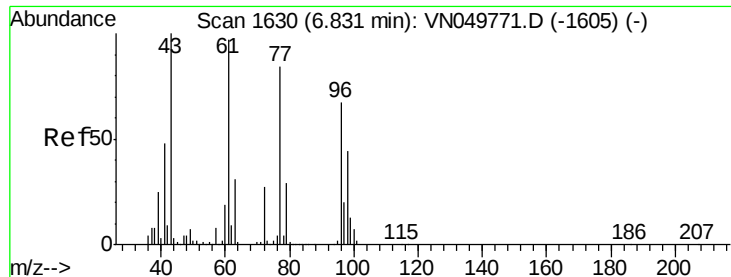
Tgt Ion: 77 Resp: 430929

Ion Ratio Lower Upper

77 100

97 23.2 11.9 35.5

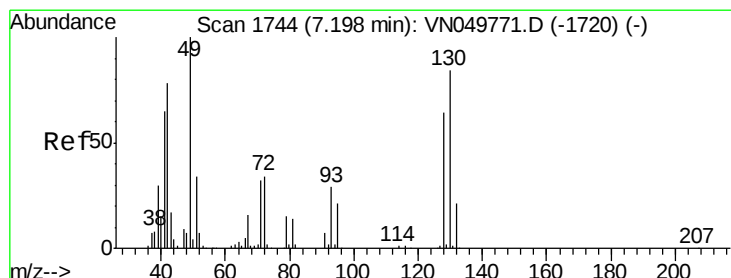
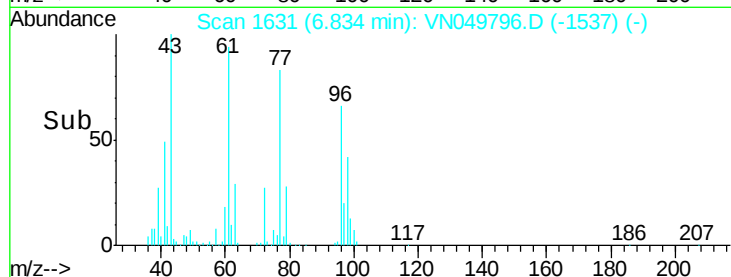
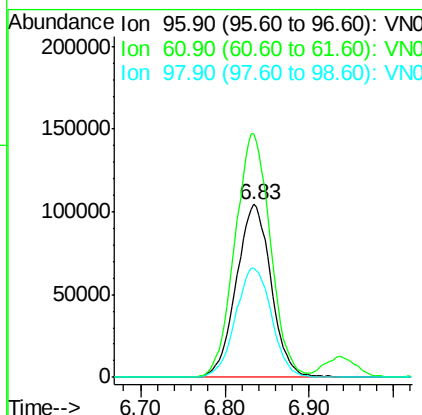
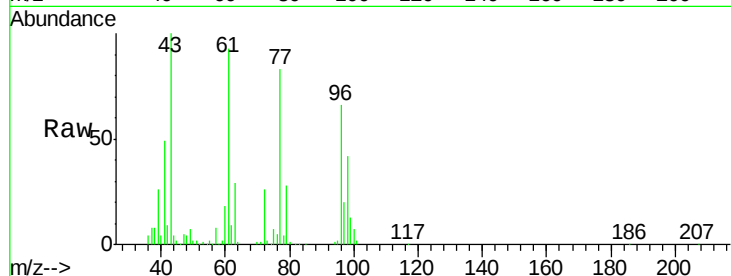




#27
 cis-1,2-Dichloroethene
 Concen: 20.34 ug/l
 RT: 6.83 min Scan# 1631
 Delta R.T. 0.00 min
 Lab File: VN049796.D
 Acq: 13 Jul 2018 14:49

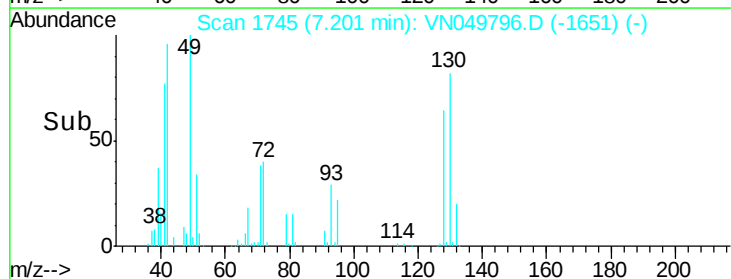
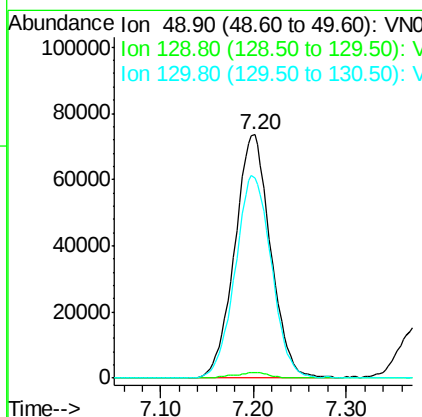
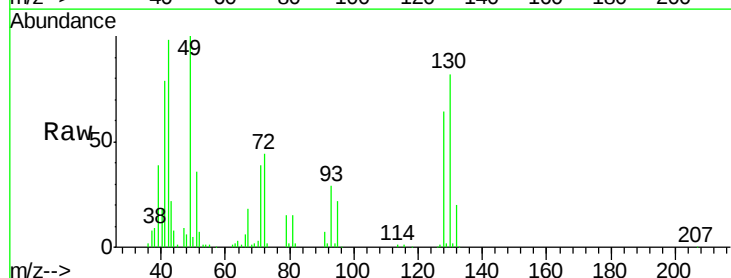
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0713WBS01

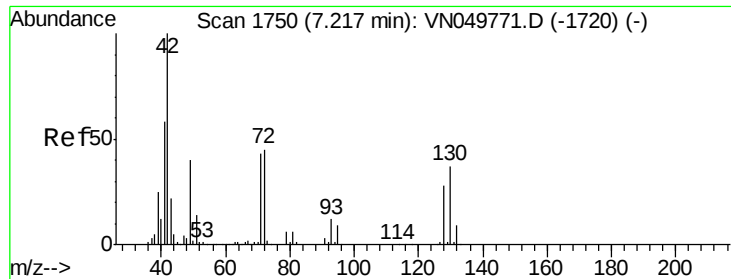
Tot Ion: 96 Resp: 300675
 Ion Ratio Lower Upper
 96 100
 61 143.1 0.0 289.0
 98 65.4 0.0 130.2



#28
 Bromochloromethane
 Concen: 17.42 ug/l
 RT: 7.20 min Scan# 1745
 Delta R.T. 0.00 min
 Lab File: VN049796.D
 Acq: 13 Jul 2018 14:49

Tgt Ion: 49 Resp: 197396
 Ion Ratio Lower Upper
 49 100
 129 2.2 0.0 4.2
 130 83.9 65.5 98.3

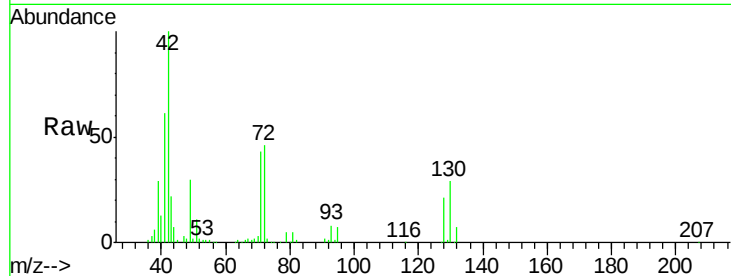




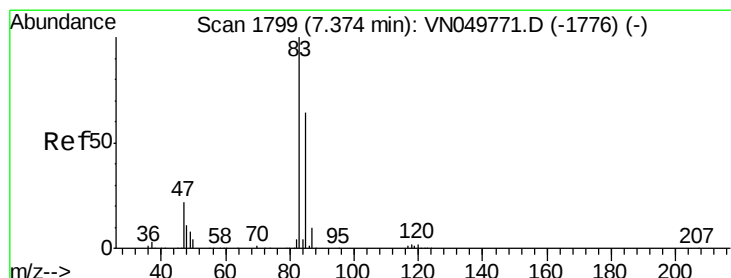
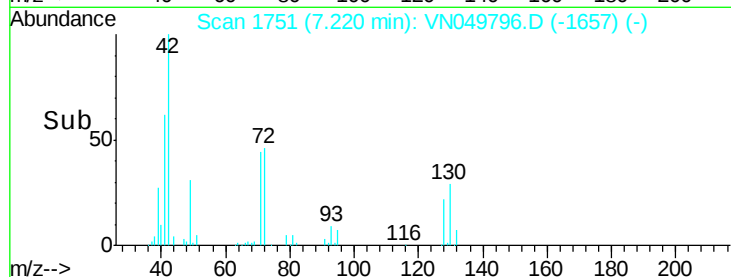
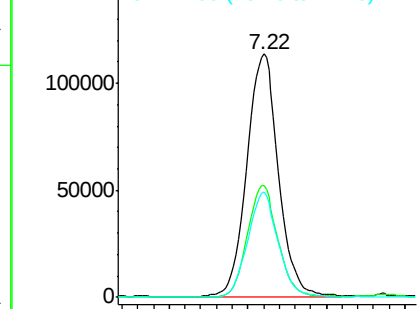
#29
Tetrahydrofuran
Concen: 103.37 ug/l
RT: 7.22 min Scan# 1751
Delta R.T. 0.00 min
Lab File: VN049796.D
Acq: 13 Jul 2018 14:49

Instrument :
MSVOA_N
ClientSampled :
VN0713WBS01

Tot Ion: 42 Resp: 321839
Ion Ratio Lower Upper
42 100
72 44.4 35.6 53.4
71 41.9 34.0 51.0

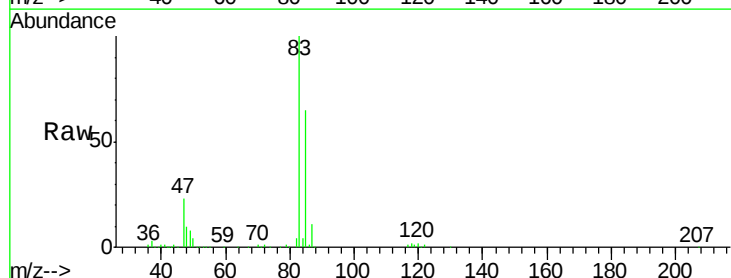


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

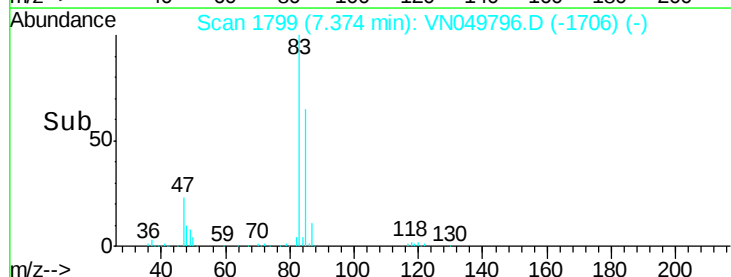
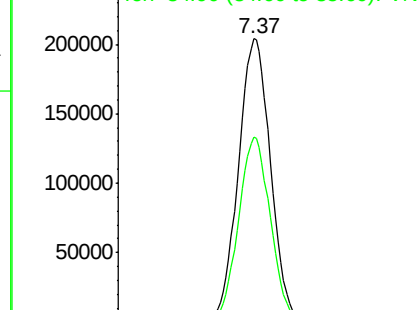


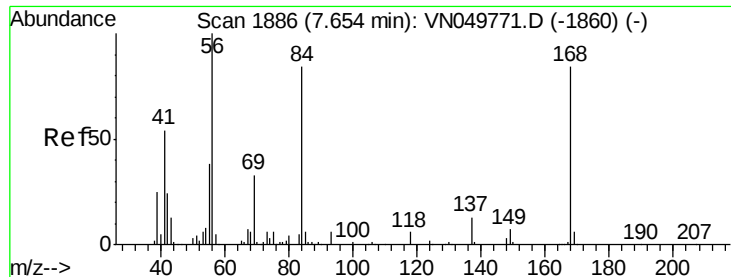
#30
Chloroform
Concen: 20.69 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN049796.D
Acq: 13 Jul 2018 14:49

Tgt Ion: 83 Resp: 531058
Ion Ratio Lower Upper
83 100
85 65.2 51.4 77.2



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





#31

Cyclohexane

Concen: 20.30 ug/l

RT: 7.66 min Scan# 1887

Delta R.T. 0.00 min

Lab File: VN049796.D

Acq: 13 Jul 2018 14:49

Instrument :

MSVOA_N

ClientSampled :

VN0713WBS01

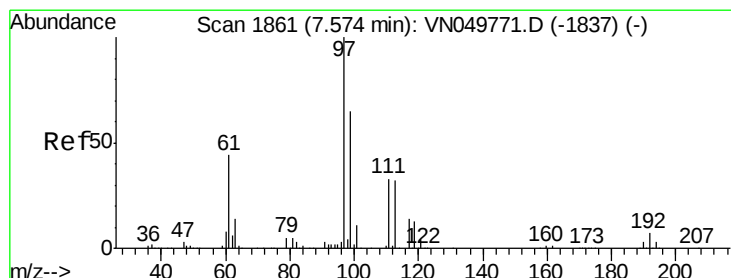
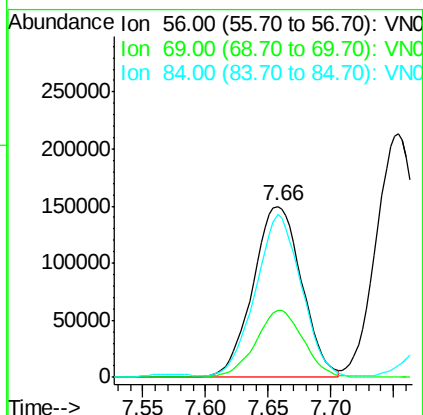
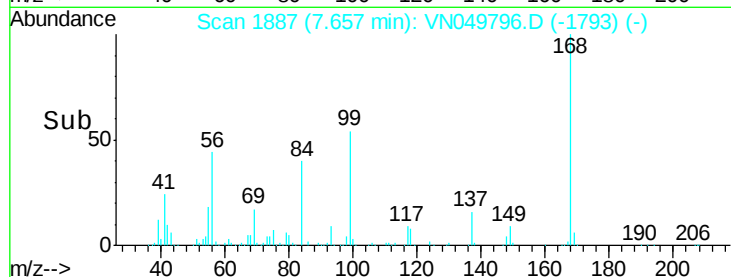
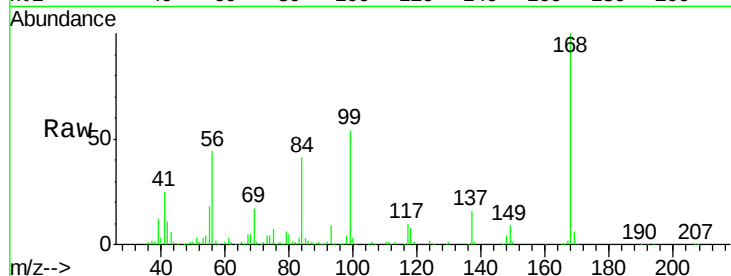
Tot Ion: 56 Resp: 405531

Ion Ratio Lower Upper

56 100

69 39.5 26.6 40.0

84 93.4 69.0 103.6



#32

1,1,1-Trichloroethane

Concen: 20.56 ug/l

RT: 7.57 min Scan# 1861

Delta R.T. 0.00 min

Lab File: VN049796.D

Acq: 13 Jul 2018 14:49

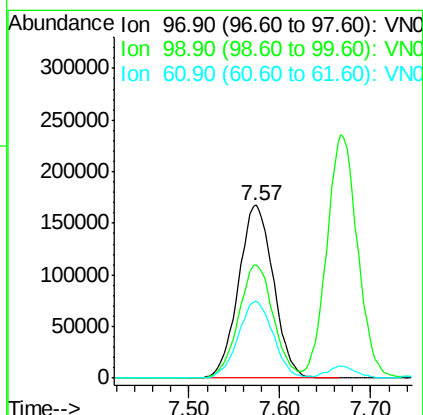
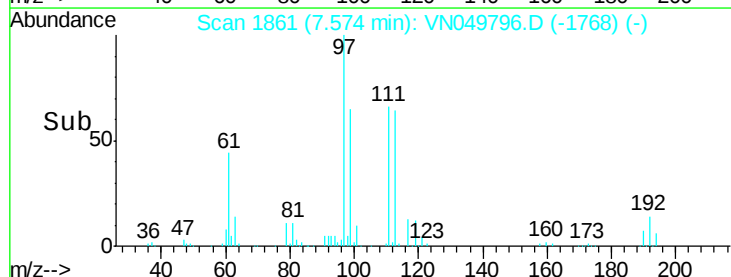
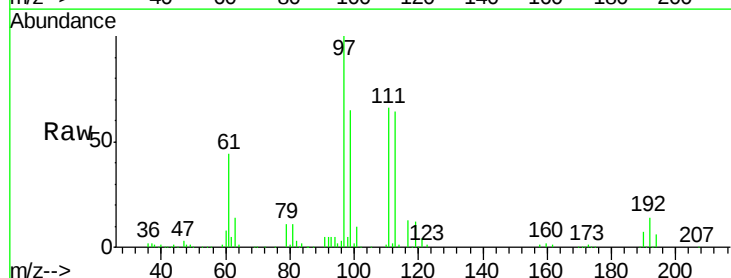
Tgt Ion: 97 Resp: 448204

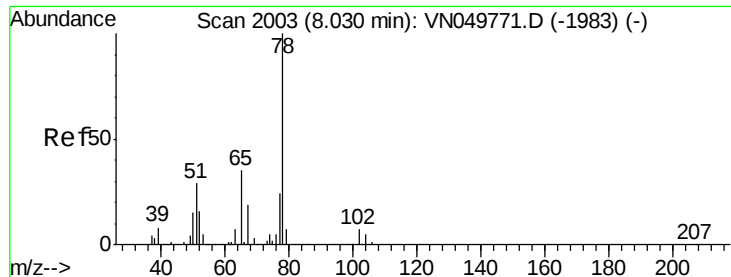
Ion Ratio Lower Upper

97 100

99 64.9 51.0 76.4

61 44.3 35.5 53.3





#33

1,2-Dichloroethane-d4

Concen: 46.51 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN049796.D

Acq: 13 Jul 2018 14:49

Instrument :

MSVOA_N

ClientSampleId :

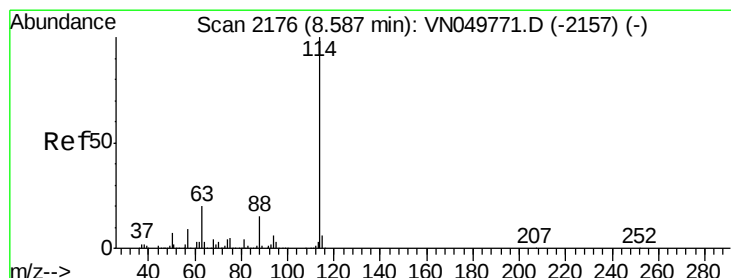
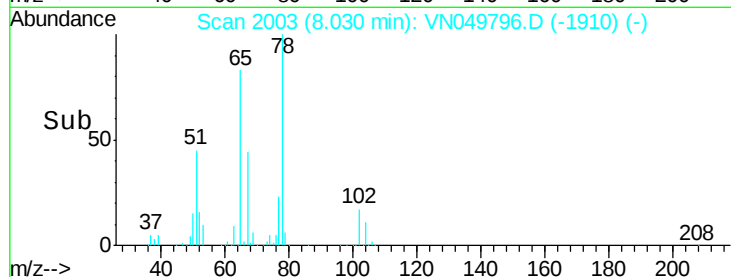
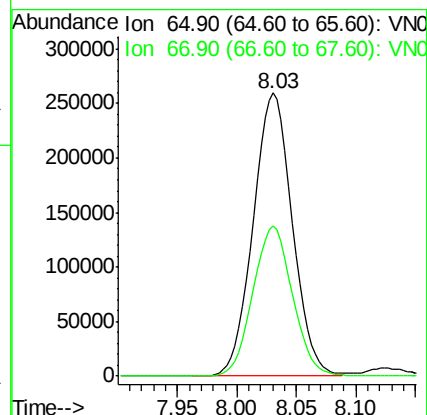
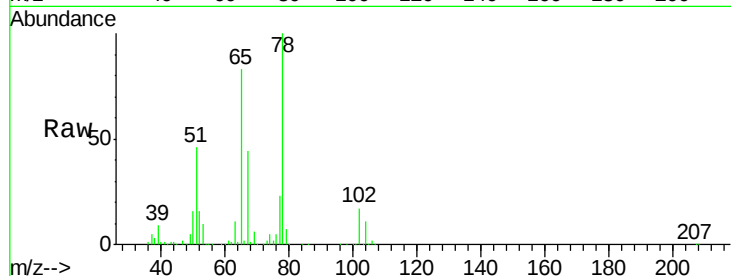
VN0713WBS01

Tot Ion: 65 Resp: 591821

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: VN049796.D

Acq: 13 Jul 2018 14:49

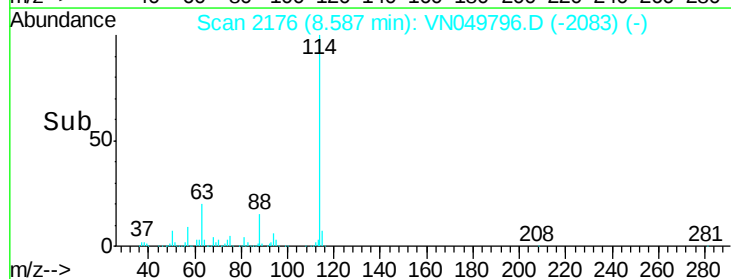
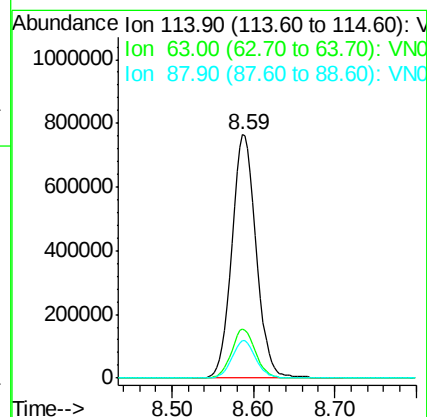
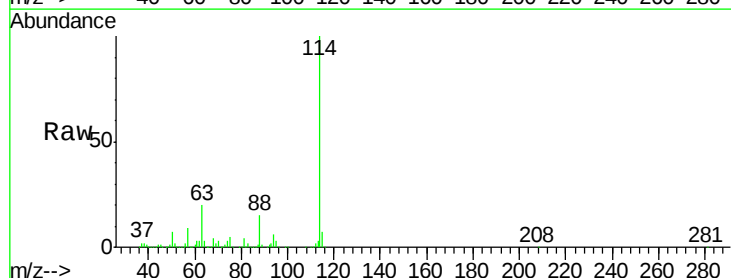
Tgt Ion: 114 Resp: 1605830

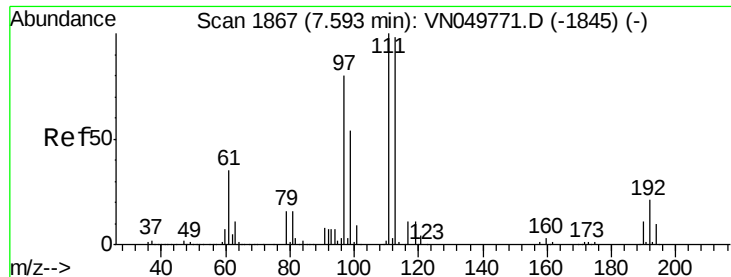
Ion Ratio Lower Upper

114 100

63 20.3 0.0 39.8

88 15.3 0.0 30.6

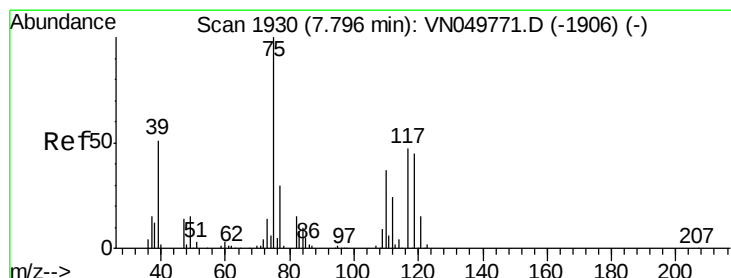
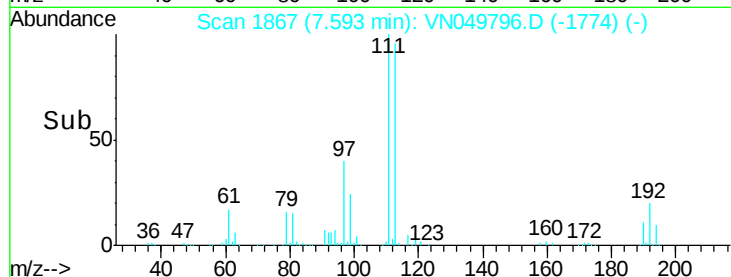
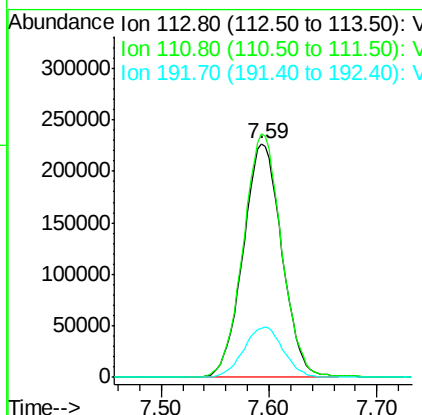
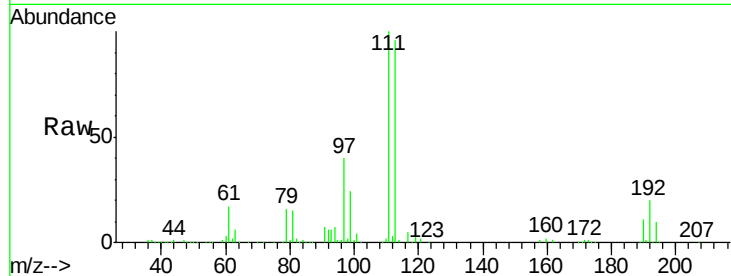




#35
 Dibromofluoromethane
 Concen: 46.61 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN049796.D
 Acq: 13 Jul 2018 14:49

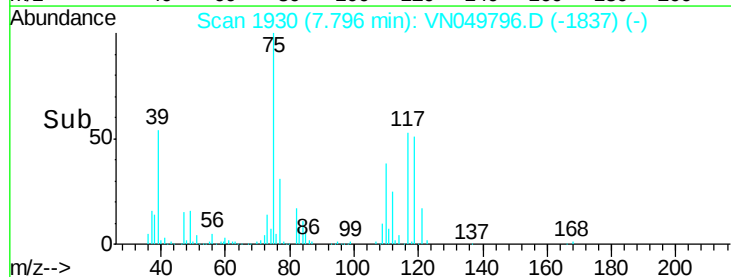
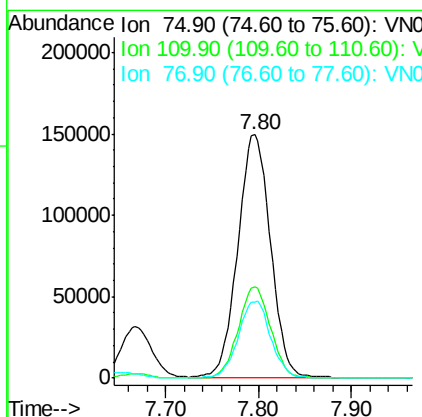
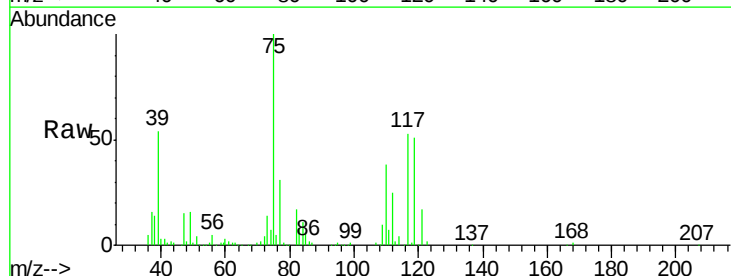
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0713WBS01

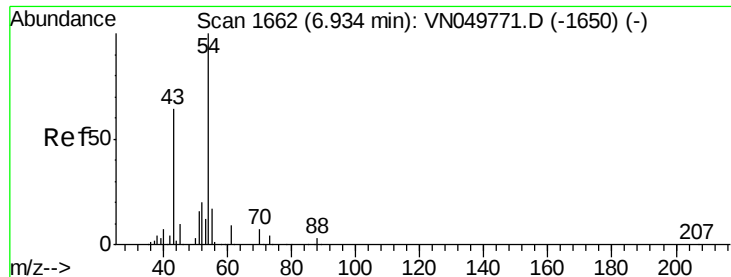
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.9	81.8	122.8
192	22.1	17.8	26.6



#36
 1,1-Dichloropropene
 Concen: 19.75 ug/l
 RT: 7.80 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VN049796.D
 Acq: 13 Jul 2018 14:49

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.1	18.1	54.4
77	31.6	24.9	37.3

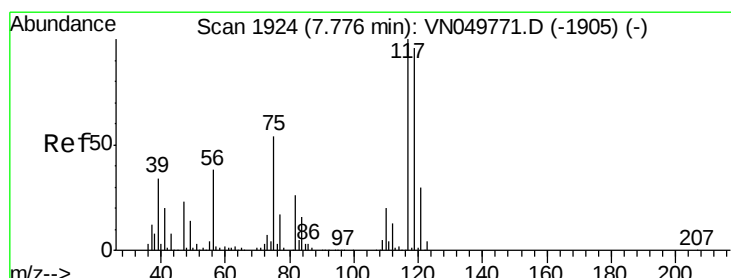
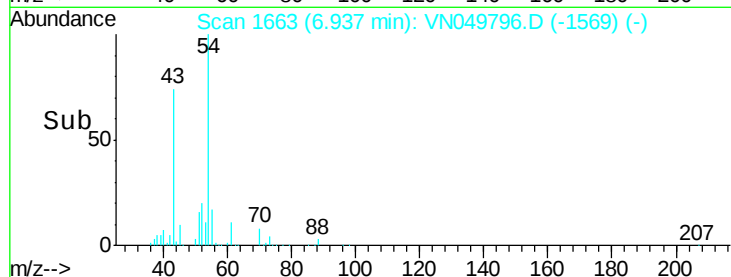
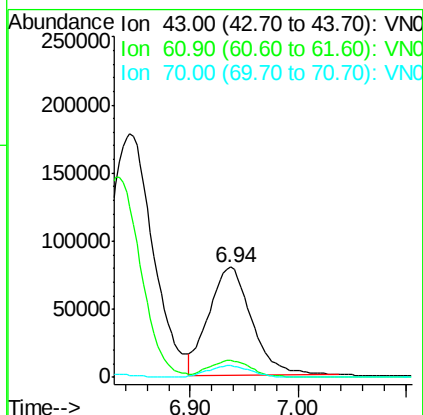
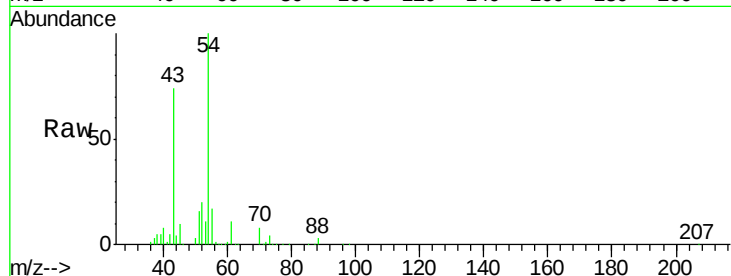




#37
Ethyl Acetate
Concen: 20.20 ug/l
RT: 6.94 min Scan# 1663
Delta R.T. 0.00 min
Lab File: VN049796.D
Acq: 13 Jul 2018 14:49

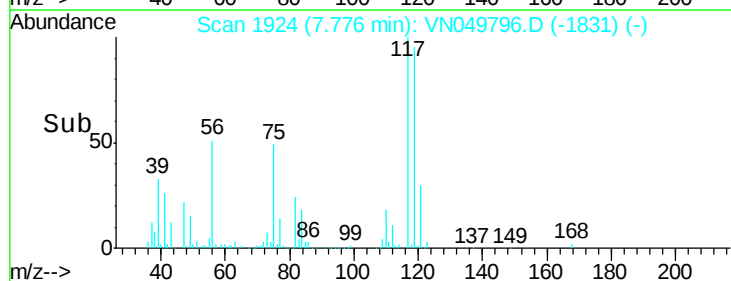
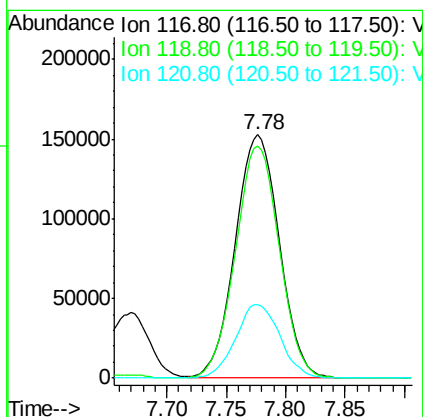
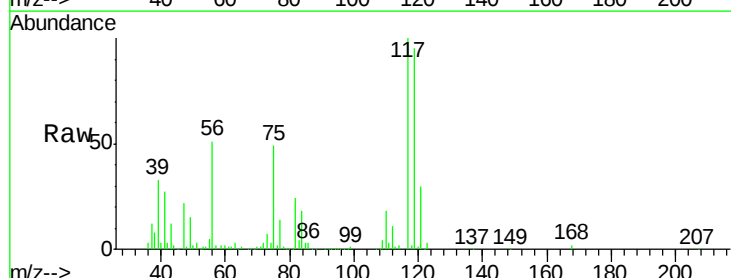
Instrument :
MSVOA_N
ClientSampleId :
VN0713WBS01

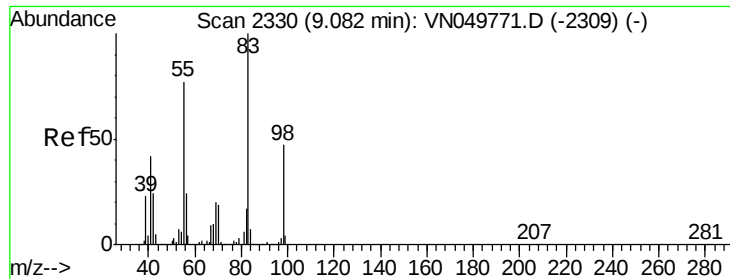
Tot Ion: 43 Resp: 221288
Ion Ratio Lower Upper
43 100
61 14.3 11.7 17.5
70 10.4 8.4 12.6



#38
Carbon Tetrachloride
Concen: 20.15 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VN049796.D
Acq: 13 Jul 2018 14:49

Tgt Ion: 117 Resp: 389821
Ion Ratio Lower Upper
117 100
119 95.2 77.2 115.8
121 30.5 25.0 37.6

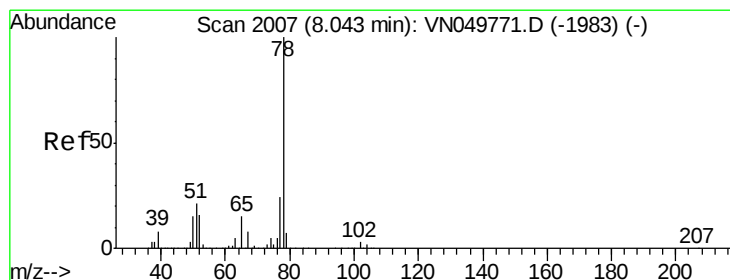
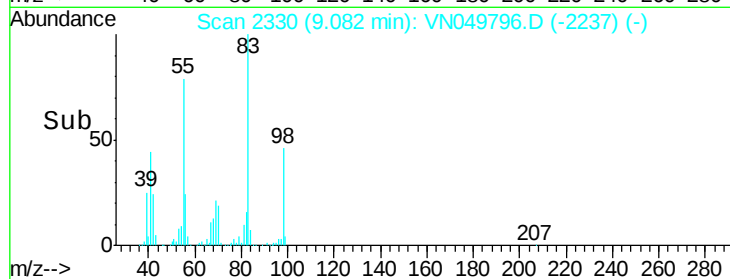
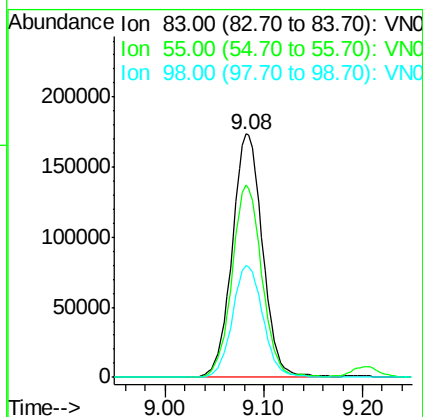
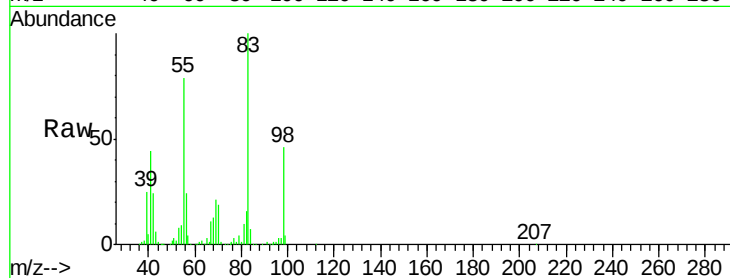




#39
Methvlcvclohexane
Concen: 19.06 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN049796.D
Acq: 13 Jul 2018 14:49

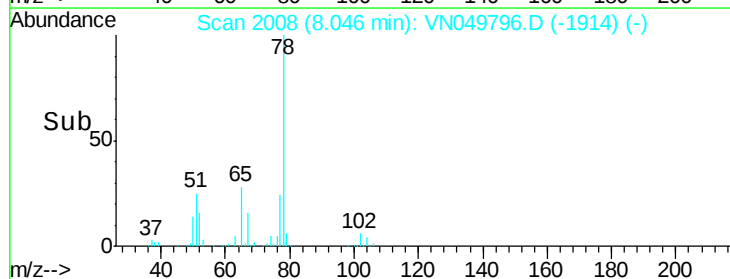
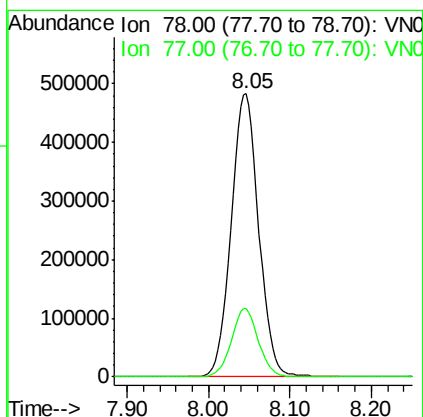
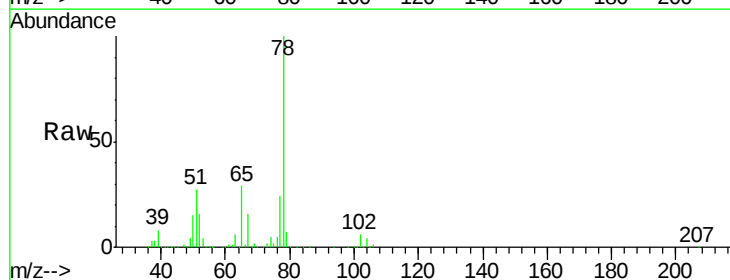
Instrument :
MSVOA_N
ClientSampleId :
VN0713WBS01

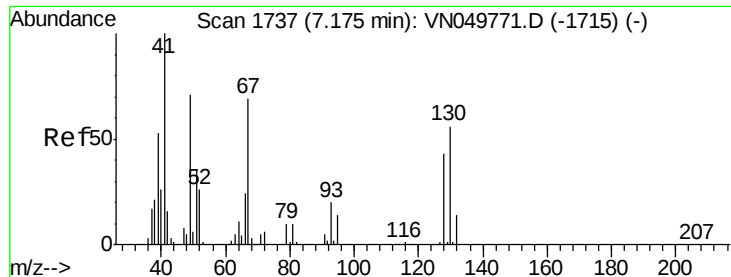
Tot Ion: 83 Resp: 371828
Ion Ratio Lower Upper
83 100
55 79.0 59.7 89.5
98 45.7 36.5 54.7



#40
Benzene
Concen: 20.56 ug/l
RT: 8.05 min Scan# 2008
Delta R.T. 0.00 min
Lab File: VN049796.D
Acq: 13 Jul 2018 14:49

Tgt Ion: 78 Resp: 1138212
Ion Ratio Lower Upper
78 100
77 24.0 19.0 28.4

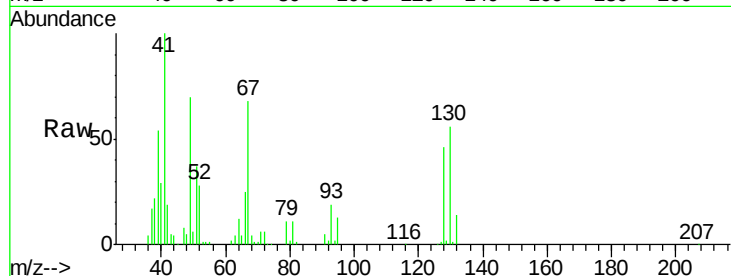




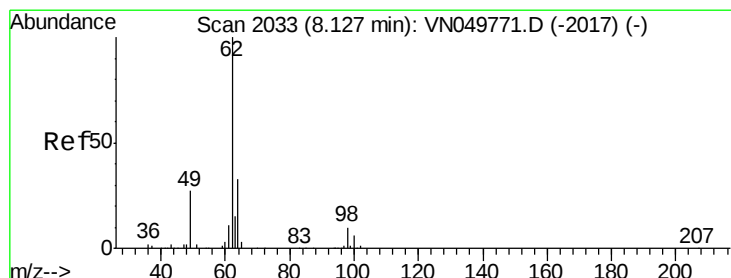
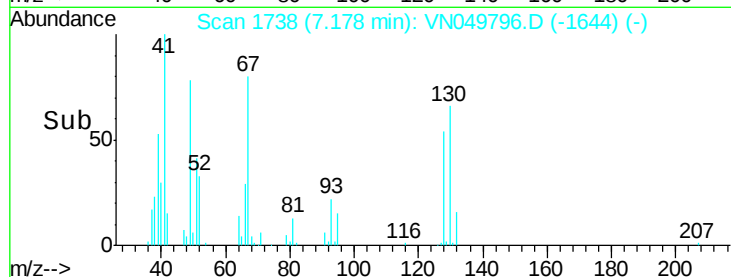
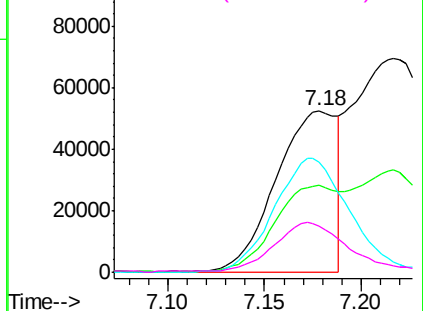
#41
Methacrylonitrile
Concen: 18.45 ug/l
RT: 7.18 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN049796.D
Acq: 13 Jul 2018 14:49

Instrument :
MSVOA_N
ClientSampled :
VN0713WBS01

Tot Ion: 41 Resp: 114294
Ion Ratio Lower Upper
41 100
39 59.5 45.4 68.2
67 88.5 65.4 98.0
52 36.8 24.7 37.1

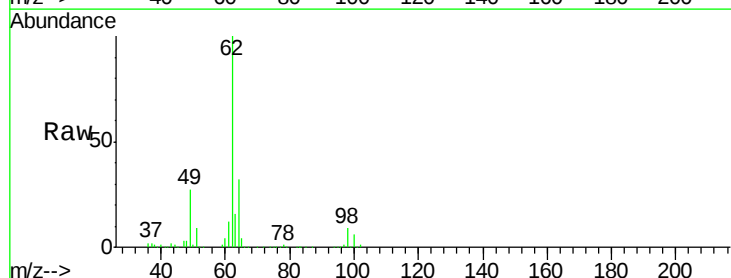


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

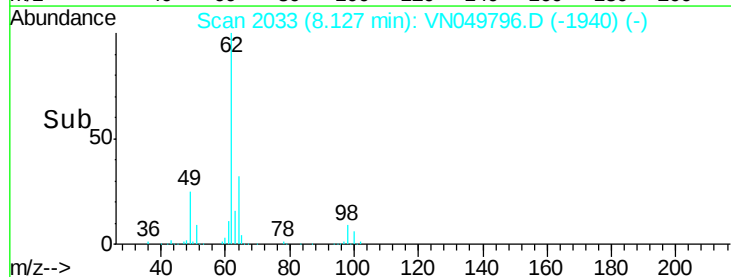
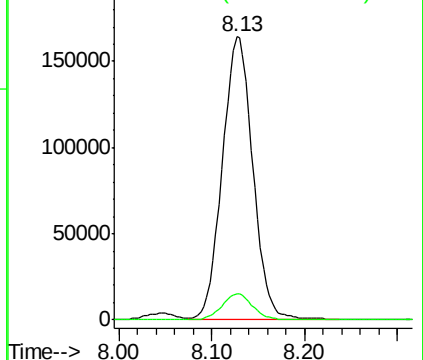


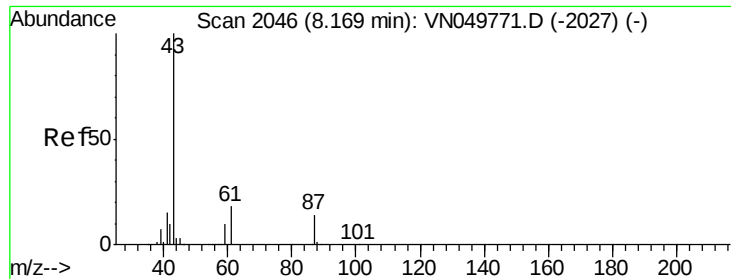
#42
1,2-Dichloroethane
Concen: 20.63 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN049796.D
Acq: 13 Jul 2018 14:49

Tgt Ion: 62 Resp: 373648
Ion Ratio Lower Upper
62 100
98 9.2 0.0 19.0



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





#43

Isopropyl Acetate

Concen: 20.92 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN049796.D

Acq: 13 Jul 2018 14:49

Instrument :

MSVOA_N

ClientSampleId :

VN0713WBS01

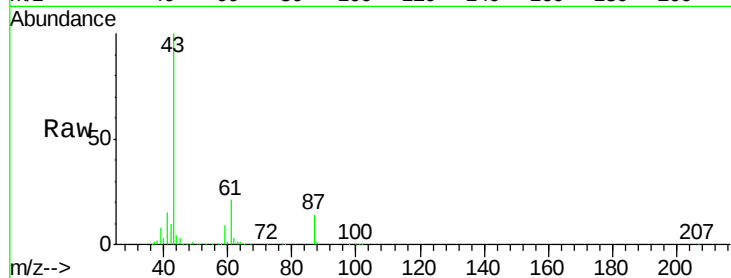
Tot Ion: 43 Resp: 411789

Ion Ratio Lower Upper

43 100

61 19.6 14.9 22.3

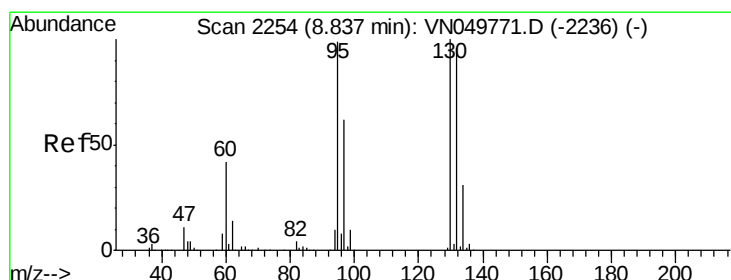
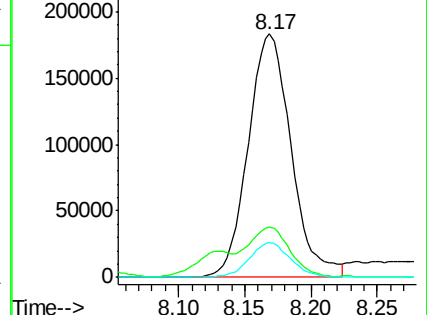
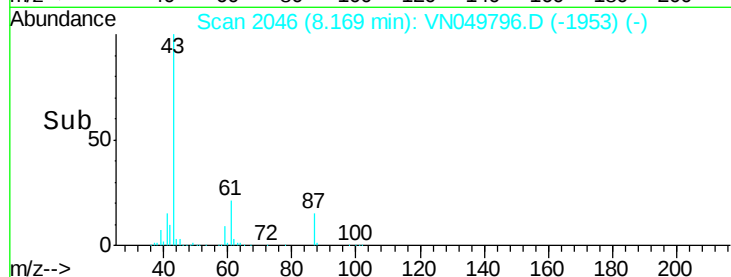
87 13.7 10.0 15.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#44

Trichloroethene

Concen: 20.12 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. 0.00 min

Lab File: VN049796.D

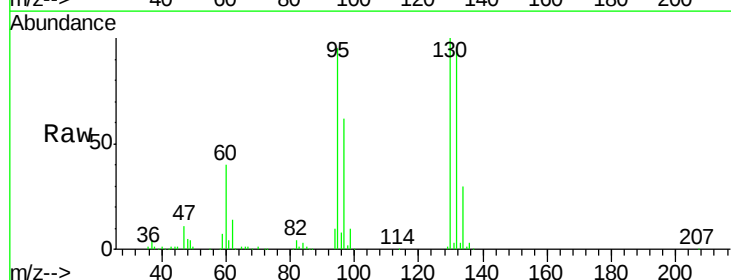
Acq: 13 Jul 2018 14:49

Tgt Ion:130 Resp: 299956

Ion Ratio Lower Upper

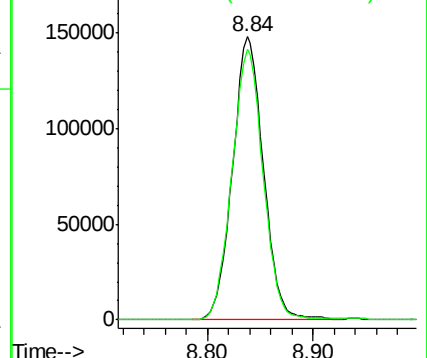
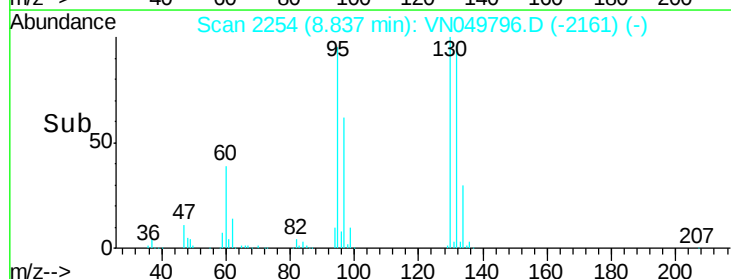
130 100

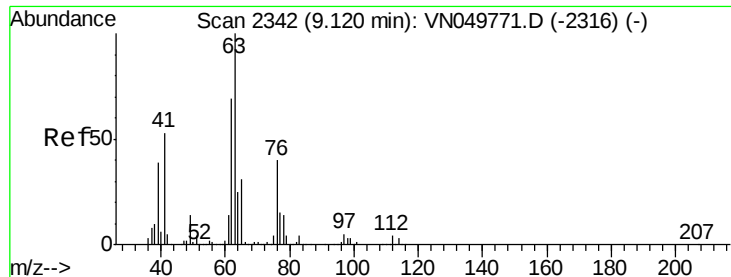
95 95.5 0.0 192.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0





#45

1,2-Dichloropropane

Concen: 20.59 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. 0.00 min

Lab File: VN049796.D

Acq: 13 Jul 2018 14:49

Instrument :

MSVOA_N

ClientSampleId :

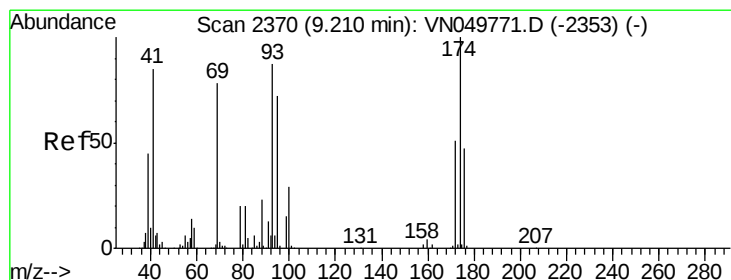
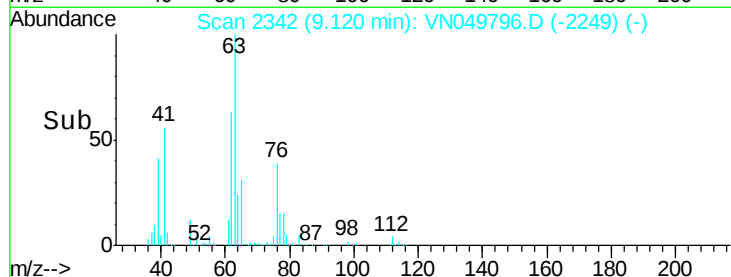
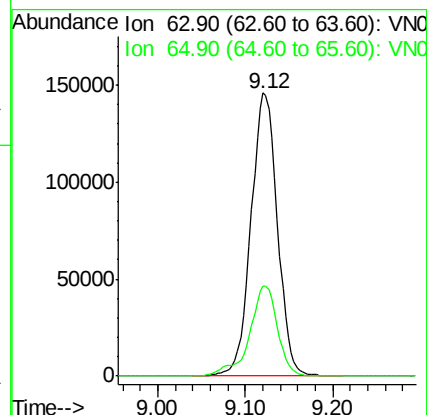
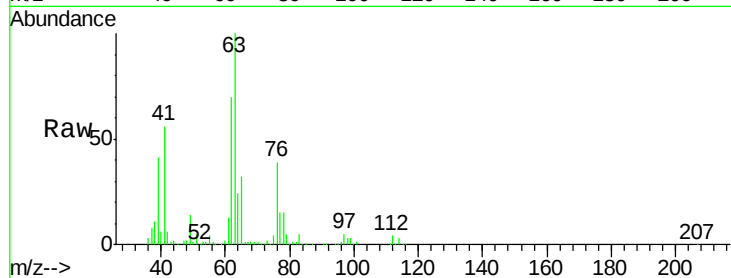
VN0713WBS01

Tot Ion: 63 Resp: 306331

Ion Ratio Lower Upper

63 100

65 31.9 24.7 37.1



#46

Dibromomethane

Concen: 20.93 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN049796.D

Acq: 13 Jul 2018 14:49

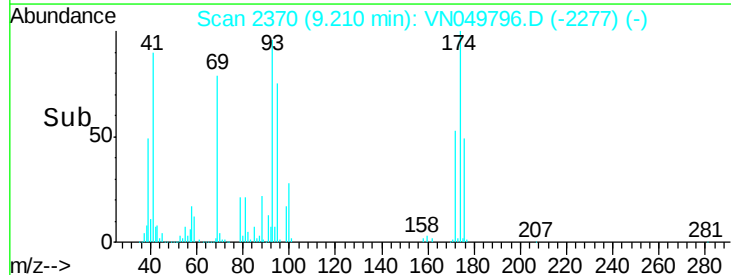
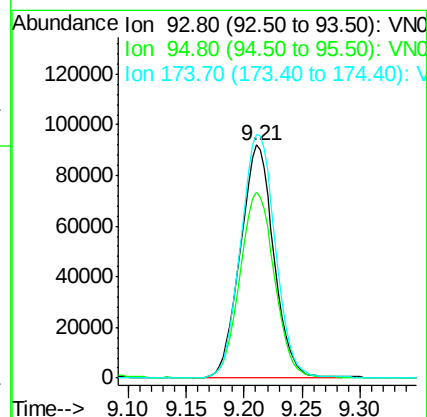
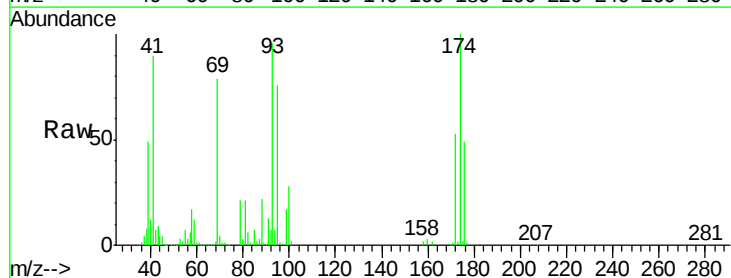
Tgt Ion: 93 Resp: 184903

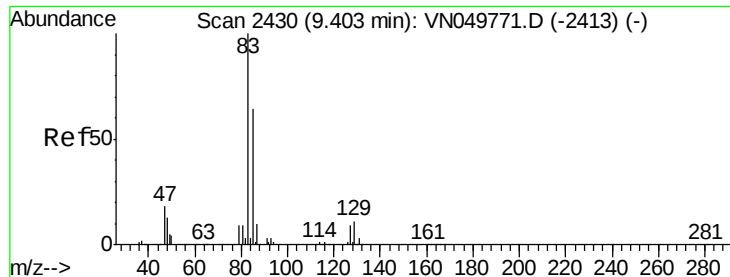
Ion Ratio Lower Upper

93 100

95 82.3 67.9 101.9

174 108.1 89.4 134.0





#47

Bromodichloromethane

Concen: 20.40 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VN049796.D

Acq: 13 Jul 2018 14:49

Instrument :

MSVOA_N

ClientSampled :

VN0713WBS01

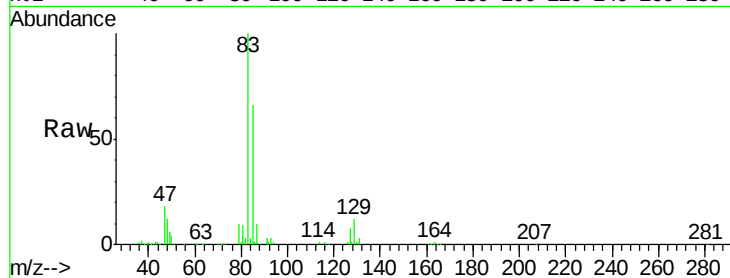
Tot Ion: 83 Resp: 396917

Ion Ratio Lower Upper

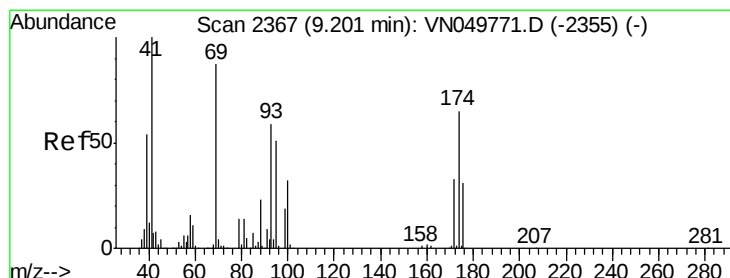
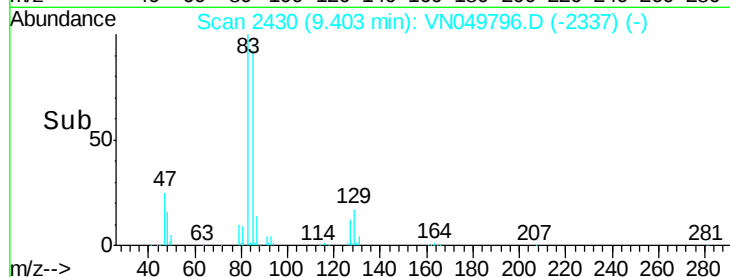
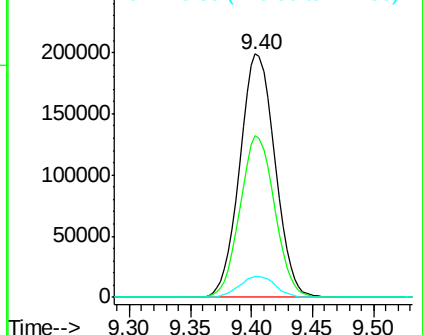
83 100

85 66.4 50.5 75.7

127 8.5 6.8 10.2



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



#48

Methyl methacrylate

Concen: 20.40 ug/l

RT: 9.20 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN049796.D

Acq: 13 Jul 2018 14:49

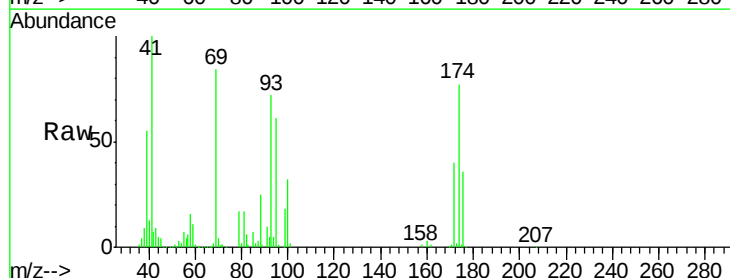
Tgt Ion: 41 Resp: 200843

Ion Ratio Lower Upper

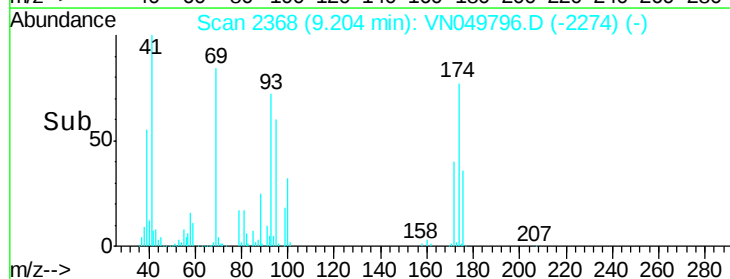
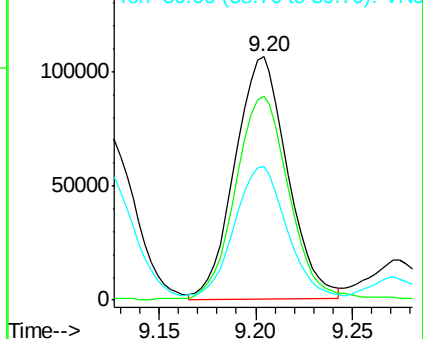
41 100

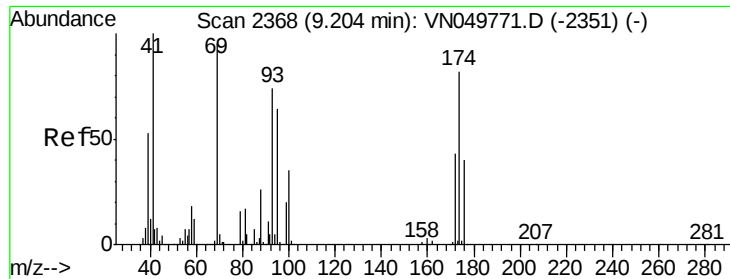
69 85.6 71.5 107.3

39 55.9 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

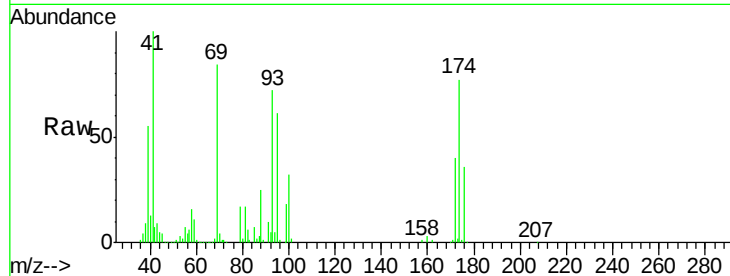




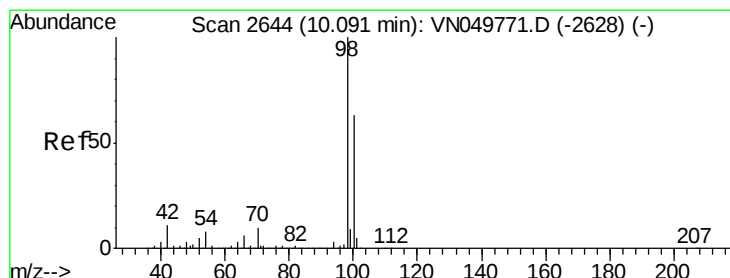
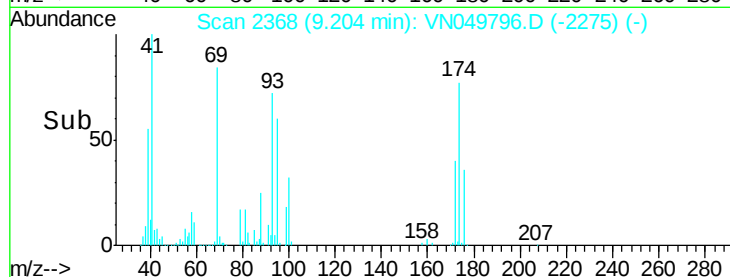
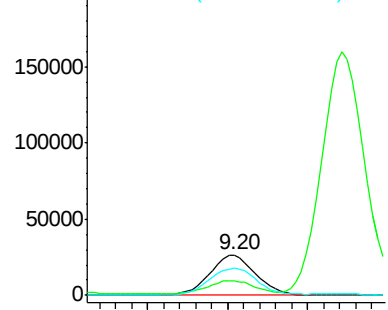
#49
1,4-Dioxane
Concen: 397.87 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN049796.D
Acq: 13 Jul 2018 14:49

Instrument :
MSVOA_N
ClientSampleId :
VN0713WBS01

Tot Ion: 88 Resp: 51318
Ion Ratio Lower Upper
88 100
43 35.2 25.1 37.7
58 71.7 52.5 78.7

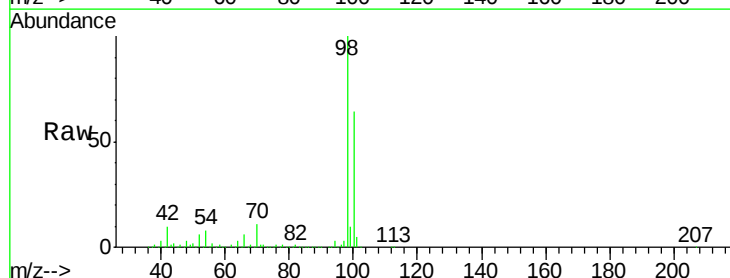


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

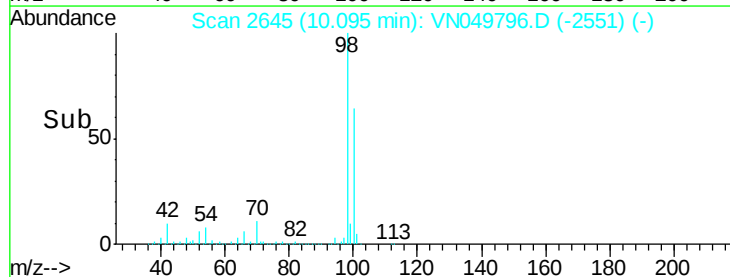
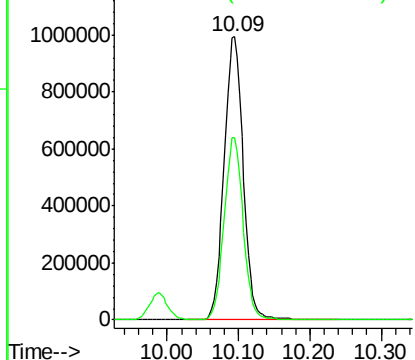


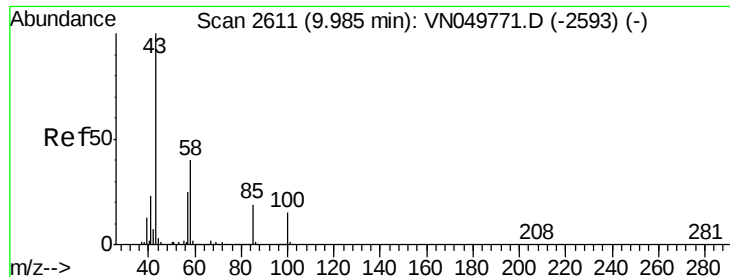
#50
Toluene-d8
Concen: 44.61 ug/l
RT: 10.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VN049796.D
Acq: 13 Jul 2018 14:49

Tgt Ion: 98 Resp: 1848425
Ion Ratio Lower Upper
98 100
100 64.0 51.7 77.5



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

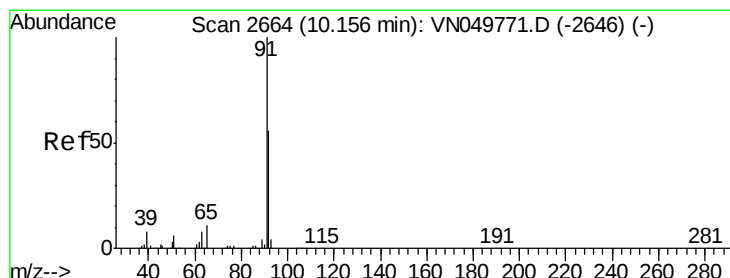
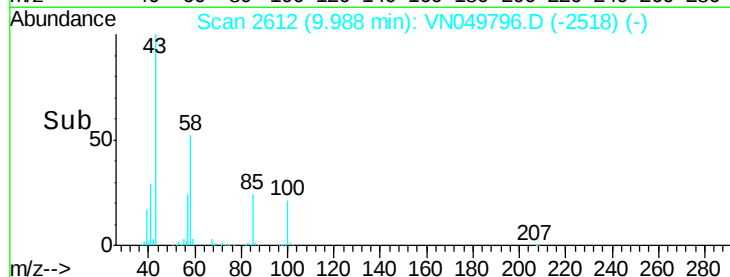
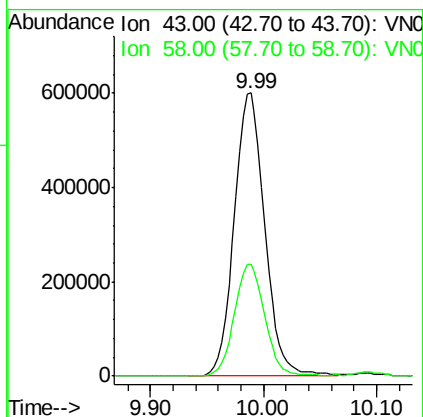
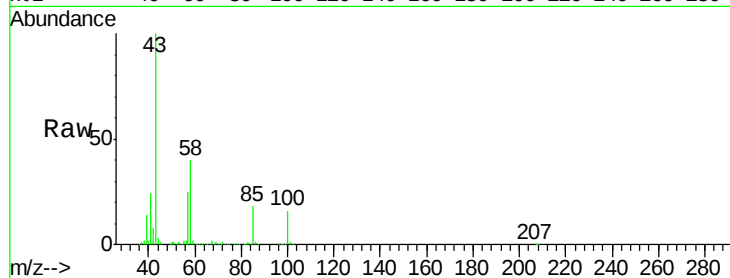




#51
 4-Methyl-2-Pentanone
 Concen: 105.17 ug/l
 RT: 9.99 min Scan# 2612
 Delta R.T. 0.00 min
 Lab File: VN049796.D
 Acq: 13 Jul 2018 14:49

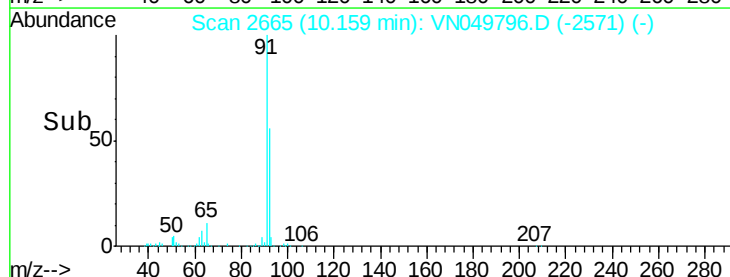
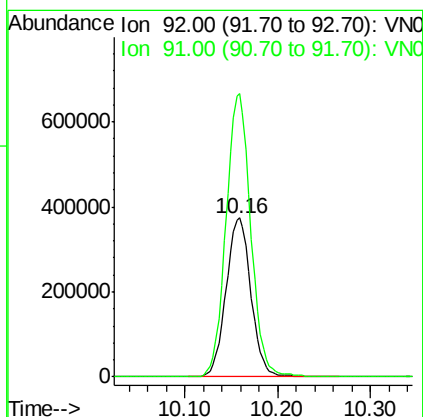
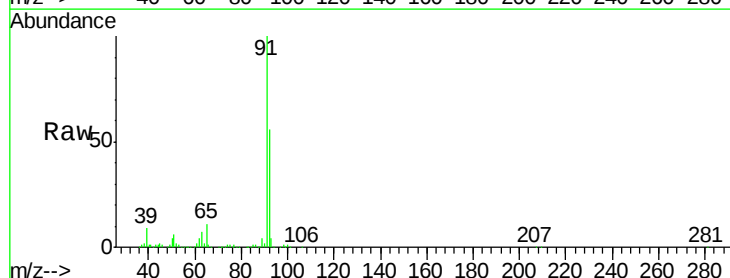
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0713WBS01

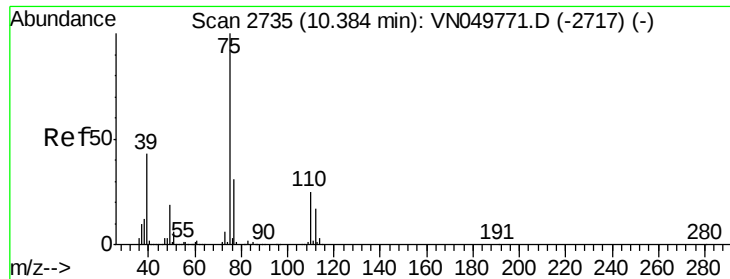
Tot Ion: 43 Resp: 1124272
 Ion Ratio Lower Upper
 43 100
 58 39.5 31.8 47.8



#52
 Toluene
 Concen: 21.04 ug/l
 RT: 10.16 min Scan# 2665
 Delta R.T. 0.00 min
 Lab File: VN049796.D
 Acq: 13 Jul 2018 14:49

Tgt Ion: 92 Resp: 697061
 Ion Ratio Lower Upper
 92 100
 91 176.6 140.1 210.1





#53

t-1,3-Dichloropropene

Concen: 20.31 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN049796.D

Acq: 13 Jul 2018 14:49

Instrument :

MSVOA_N

ClientSampleId :

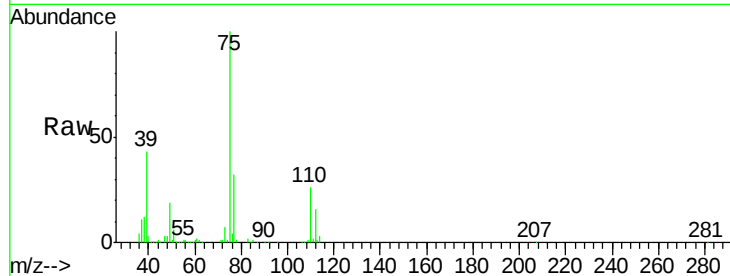
VN0713WBS01

Tot Ion: 75 Resp: 380094

Ion Ratio Lower Upper

75 100

77 31.4 25.2 37.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

200000

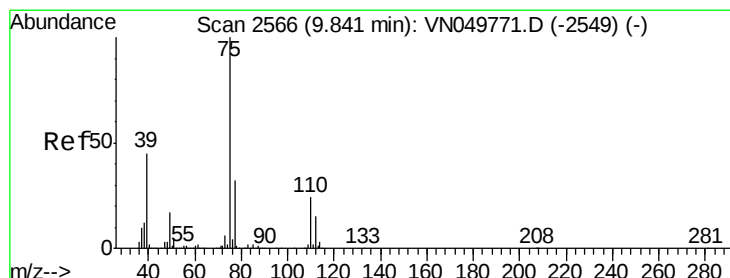
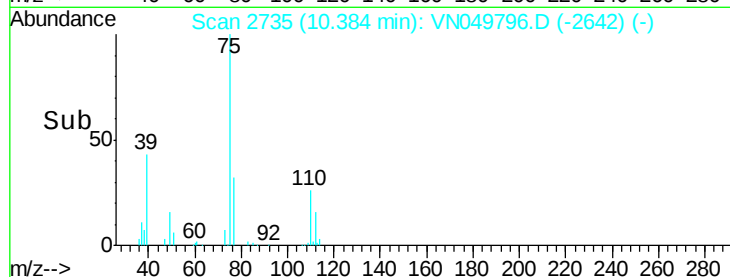
150000

100000

50000

0

Time--> 10.30 10.35 10.40 10.45



#54

cis-1,3-Dichloropropene

Concen: 20.58 ug/l

RT: 9.84 min Scan# 2567

Delta R.T. 0.00 min

Lab File: VN049796.D

Acq: 13 Jul 2018 14:49

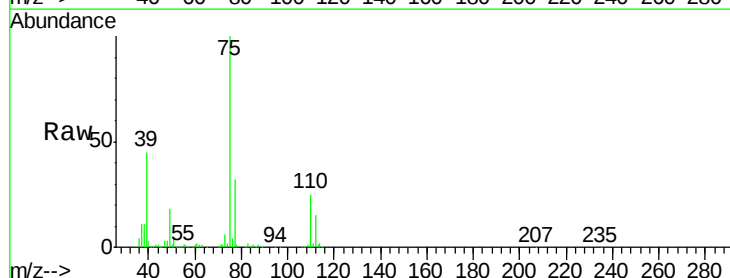
Tgt Ion: 75 Resp: 438775

Ion Ratio Lower Upper

75 100

77 32.2 25.3 37.9

39 44.7 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

9.84

300000

250000

200000

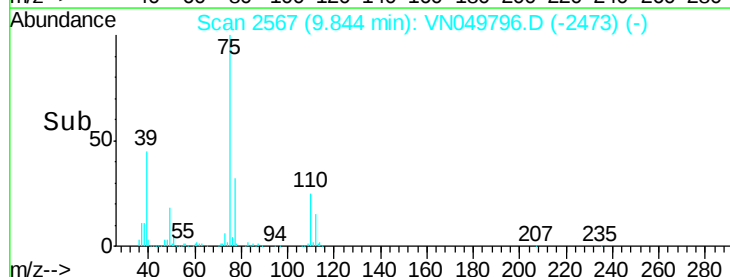
150000

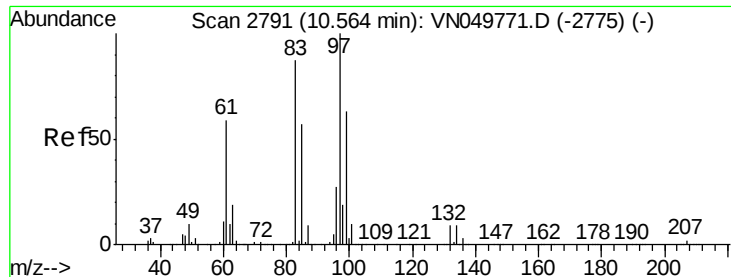
100000

50000

0

Time--> 9.80 9.90 10.00

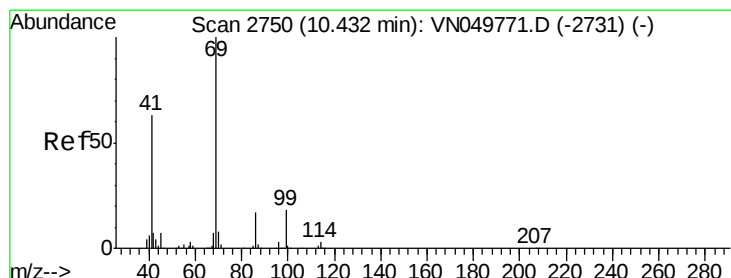
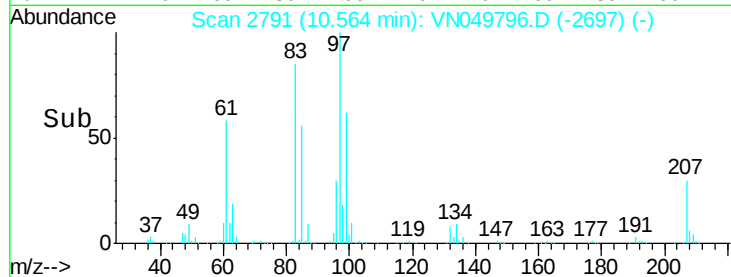
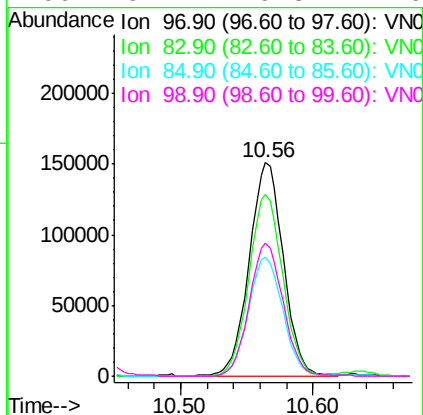
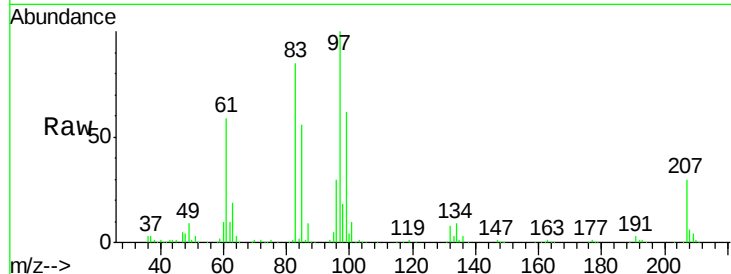




#55
 1,1,2-Trichloroethane
 Concen: 21.23 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN049796.D
 Acq: 13 Jul 2018 14:49

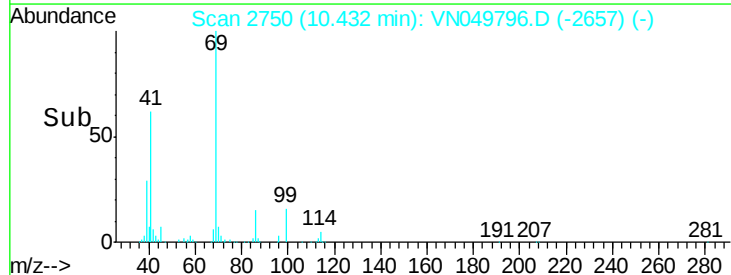
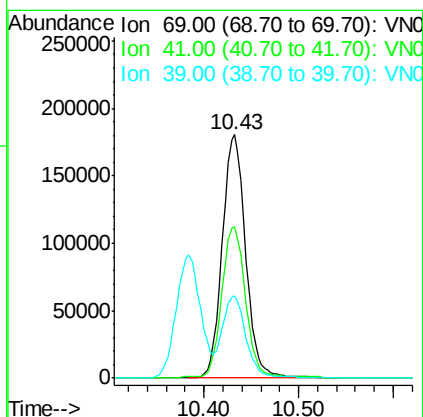
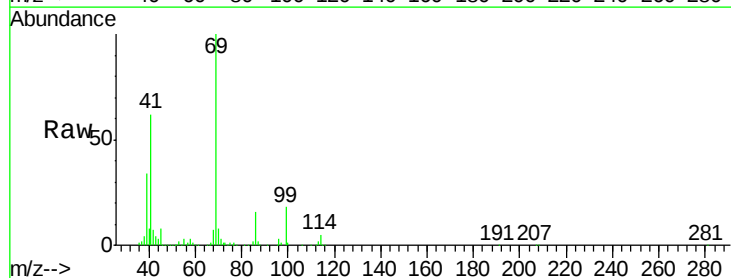
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0713WBS01

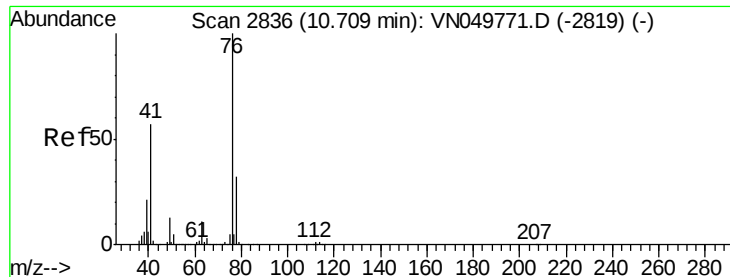
Tot Ion: 97 Resp: 271003
 Ion Ratio Lower Upper
 97 100
 83 85.2 69.0 103.6
 85 55.9 44.9 67.3
 99 62.2 49.8 74.6



#56
 Ethyl methacrylate
 Concen: 20.72 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN049796.D
 Acq: 13 Jul 2018 14:49

Tgt Ion: 69 Resp: 309825
 Ion Ratio Lower Upper
 69 100
 41 61.7 51.6 77.4
 39 33.8 25.8 38.8





#57

1,3-Dichloropropane

Concen: 20.80 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. 0.00 min

Lab File: VN049796.D

Acq: 13 Jul 2018 14:49

Instrument :

MSVOA_N

ClientSampled :

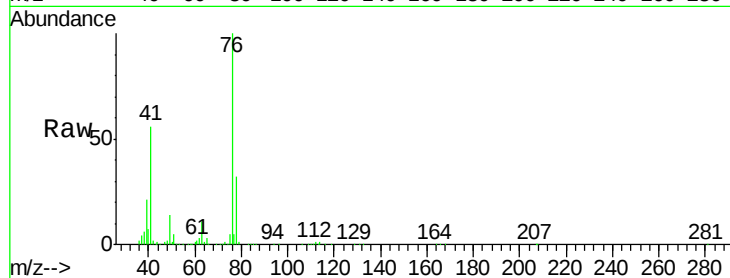
VN0713WBS01

Tot Ion: 76 Resp: 438964

Ion Ratio Lower Upper

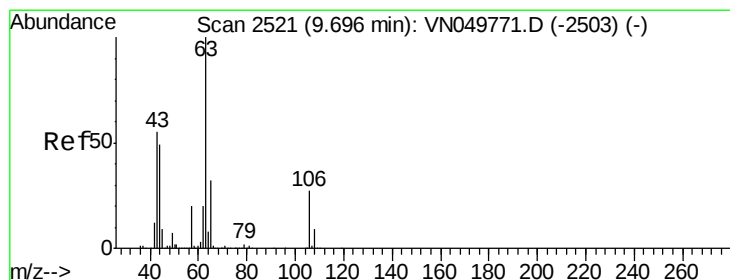
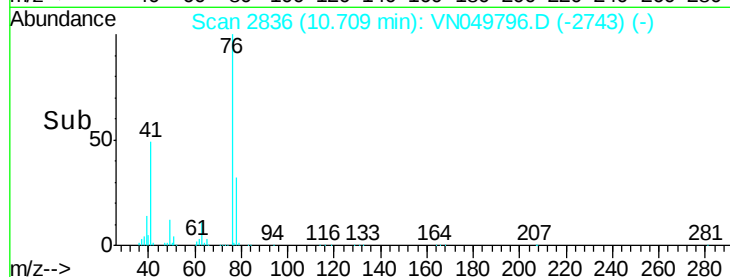
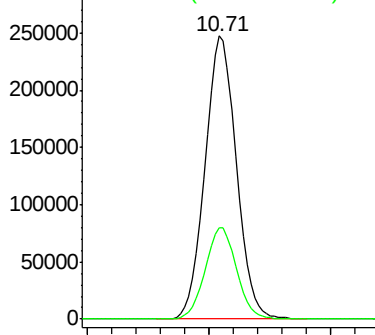
76 100

78 32.5 25.8 38.8



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 91.37 ug/l

RT: 9.70 min Scan# 2521

Delta R.T. 0.00 min

Lab File: VN049796.D

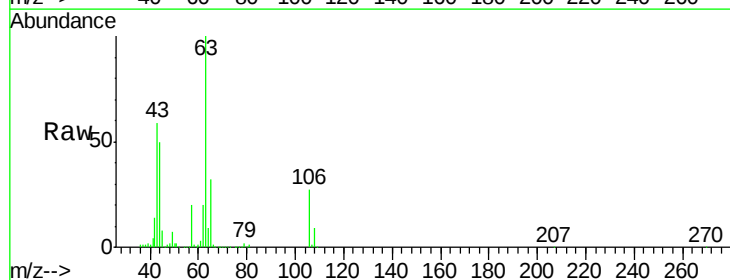
Acq: 13 Jul 2018 14:49

Tgt Ion: 63 Resp: 655357

Ion Ratio Lower Upper

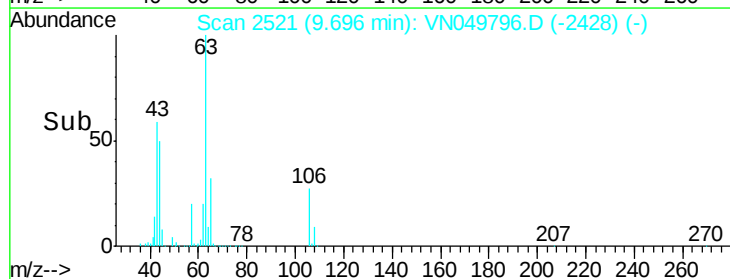
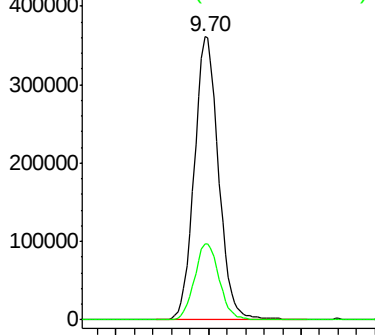
63 100

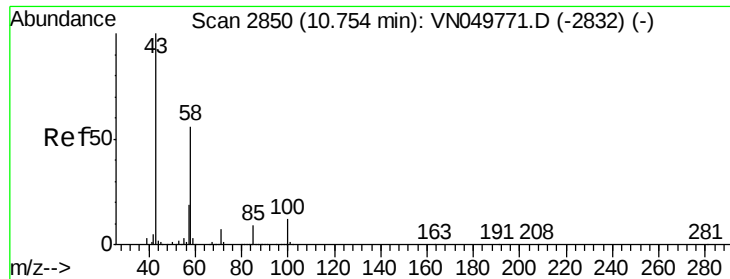
106 27.6 21.8 32.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





#59

2-Hexanone

Concen: 104.24 ug/l

RT: 10.75 min Scan# 2850

Delta R.T. 0.00 min

Lab File: VN049796.D

Acq: 13 Jul 2018 14:49

Instrument :

MSVOA_N

ClientSampleId :

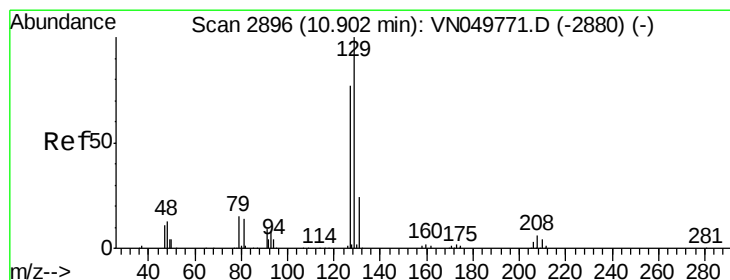
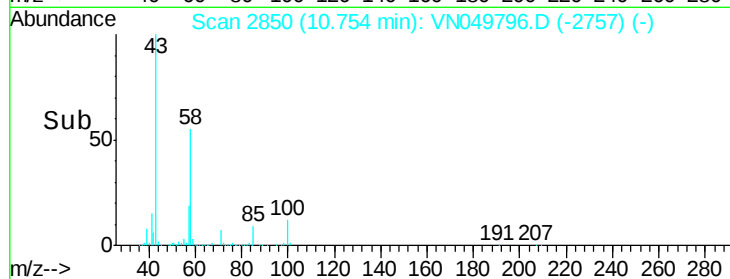
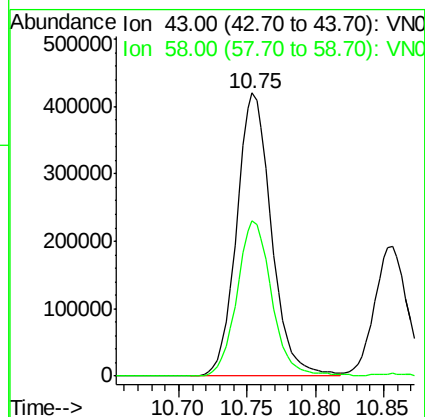
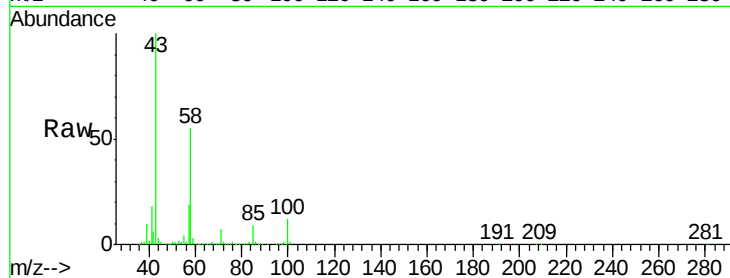
VN0713WBS01

Tot Ion: 43 Resp: 740765

Ion Ratio Lower Upper

43 100

58 55.0 27.8 83.4



#60

Dibromochloromethane

Concen: 20.58 ug/l

RT: 10.90 min Scan# 2897

Delta R.T. 0.00 min

Lab File: VN049796.D

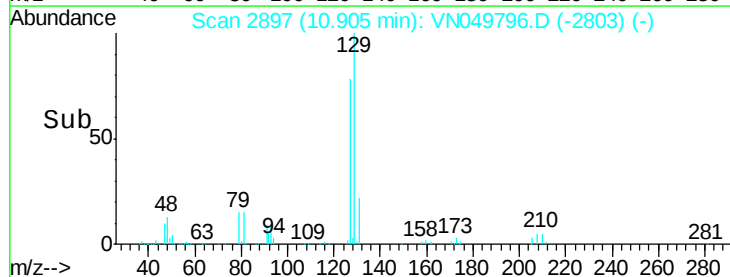
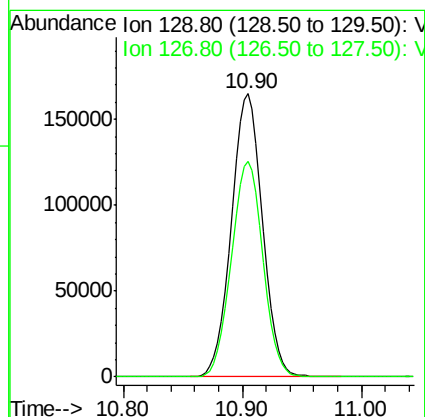
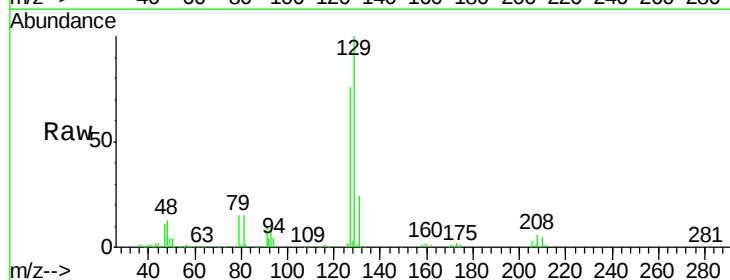
Acq: 13 Jul 2018 14:49

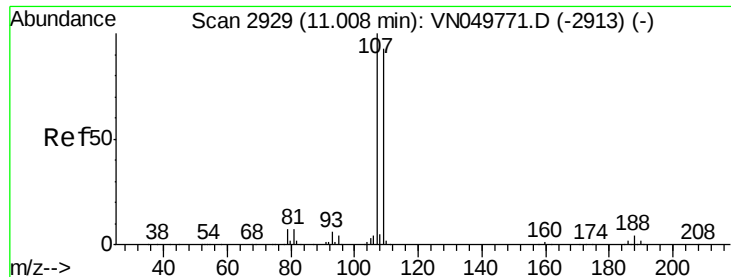
Tgt Ion: 129 Resp: 298751

Ion Ratio Lower Upper

129 100

127 77.0 38.3 114.9

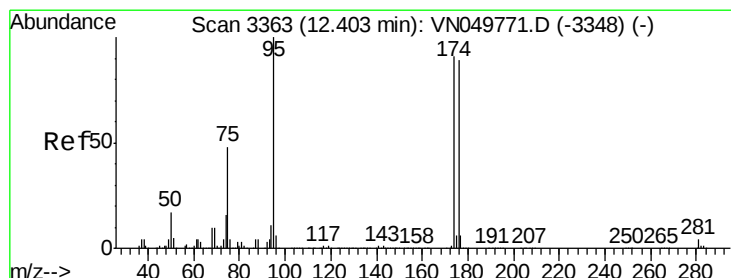
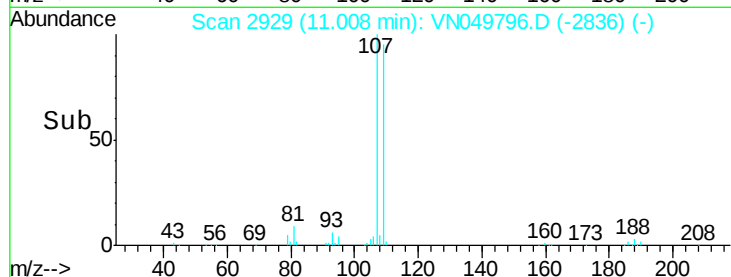
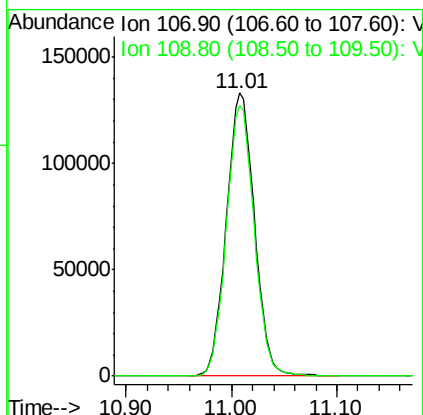
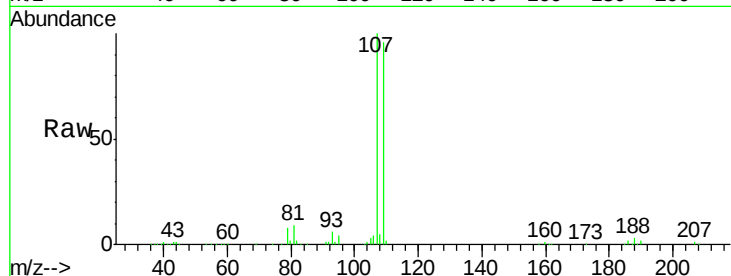




#61
 1,2-Dibromoethane
 Concen: 20.41 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. 0.00 min
 Lab File: VN049796.D
 Acq: 13 Jul 2018 14:49

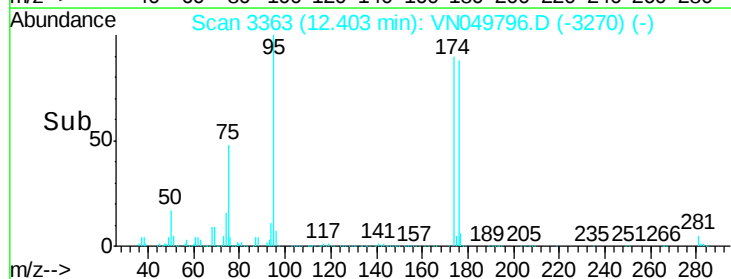
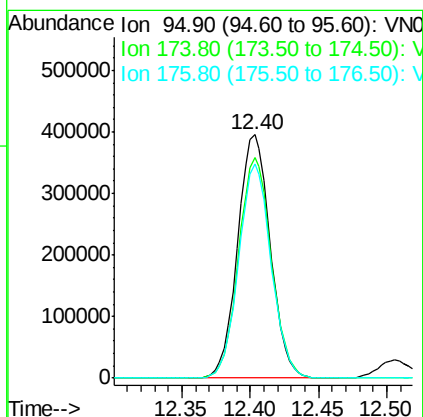
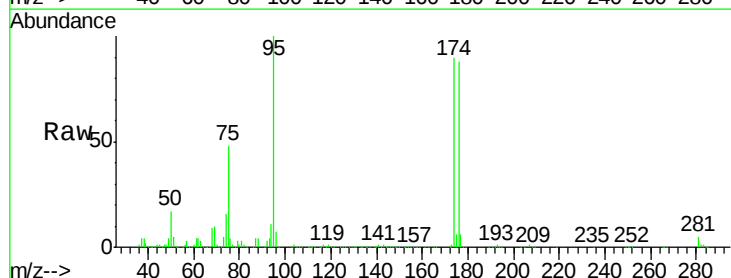
Instrument :
 MSVOA_N
 ClientSampled :
 VN0713WBS01

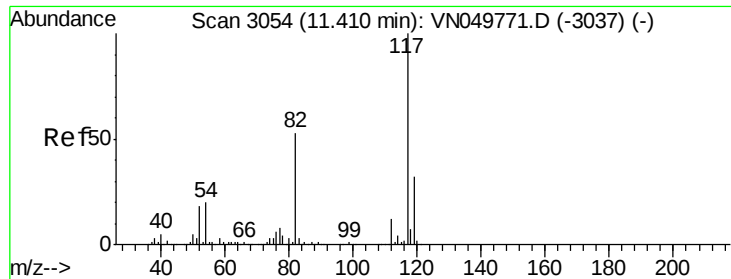
Tot Ion:107 Resp: 246039
 Ion Ratio Lower Upper
 107 100
 109 94.7 75.0 112.6



#62
 4-Bromofluorobenzene
 Concen: 44.38 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN049796.D
 Acq: 13 Jul 2018 14:49

Tgt Ion: 95 Resp: 656828
 Ion Ratio Lower Upper
 95 100
 174 90.7 0.0 179.6
 176 87.4 0.0 174.0

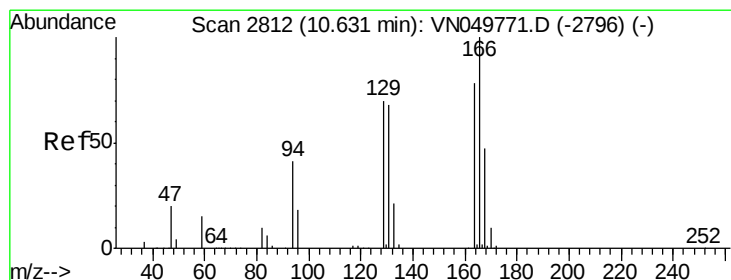
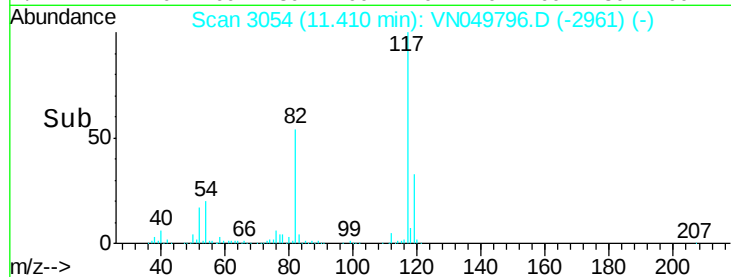
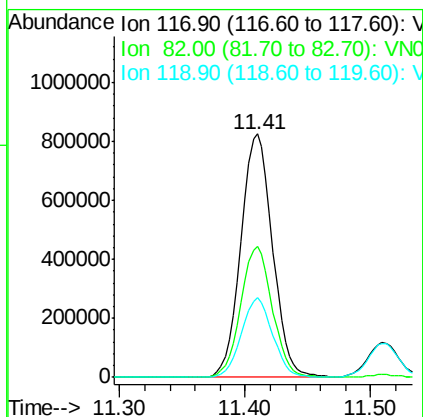
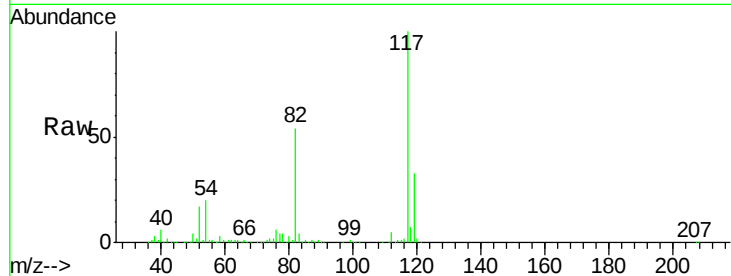




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN049796.D
Acq: 13 Jul 2018 14:49

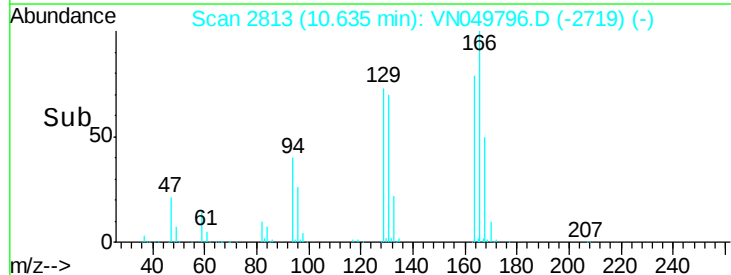
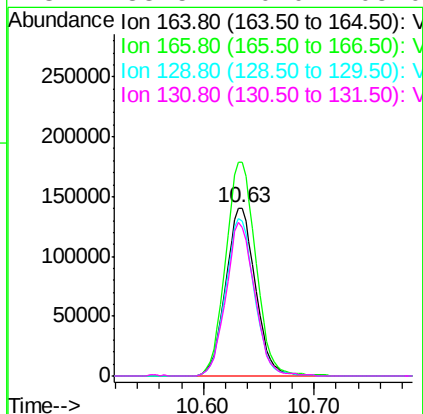
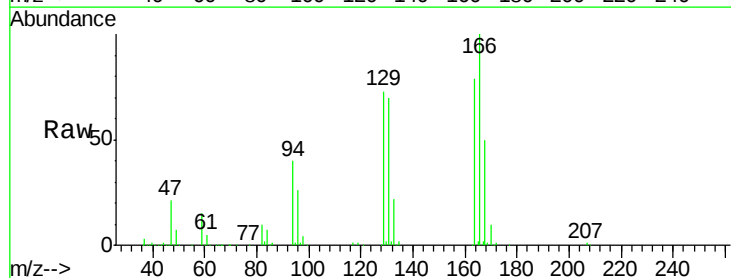
Instrument :
MSVOA_N
ClientSampled :
VN0713WBS01

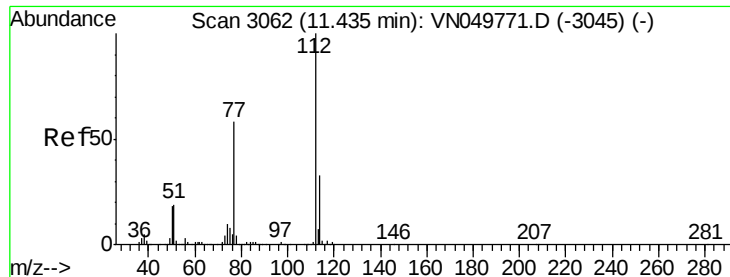
Tot Ion:117 Resp: 1444279
Ion Ratio Lower Upper
117 100
82 53.6 41.9 62.9
119 32.6 25.4 38.2



#64
Tetrachloroethene
Concen: 20.00 ug/l
RT: 10.63 min Scan# 2813
Delta R.T. 0.00 min
Lab File: VN049796.D
Acq: 13 Jul 2018 14:49

Tgt Ion:164 Resp: 262335
Ion Ratio Lower Upper
164 100
166 127.0 101.8 152.6
129 92.0 72.8 109.2
131 88.5 70.0 105.0

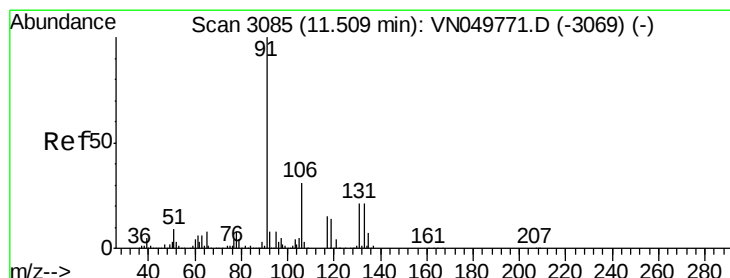
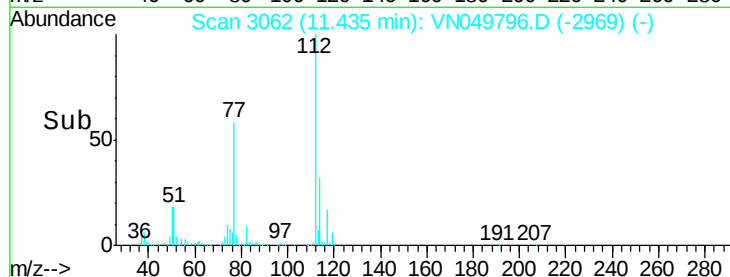
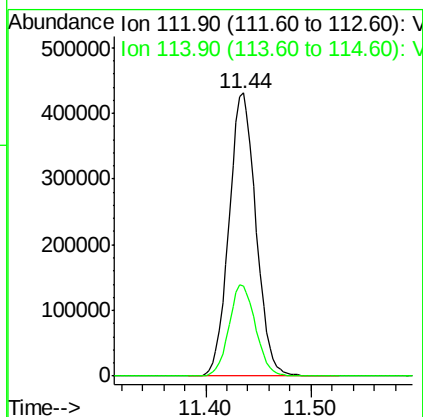
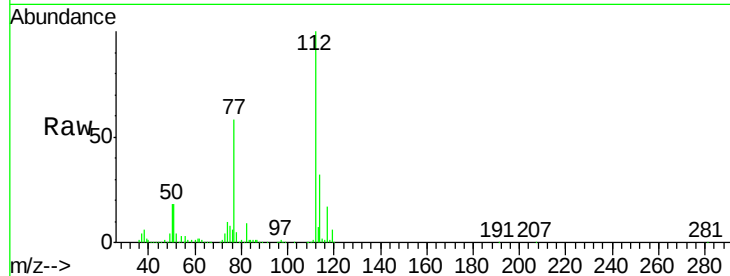




#65
Chlorobenzene
Concen: 20.24 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN049796.D
Acq: 13 Jul 2018 14:49

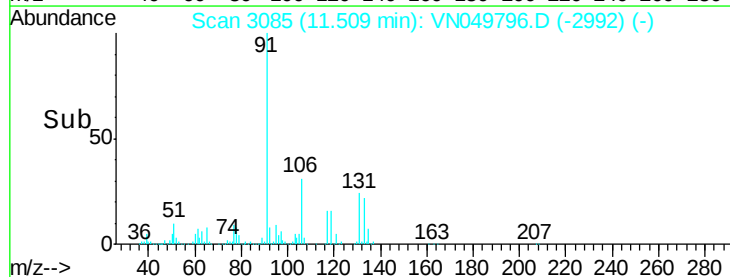
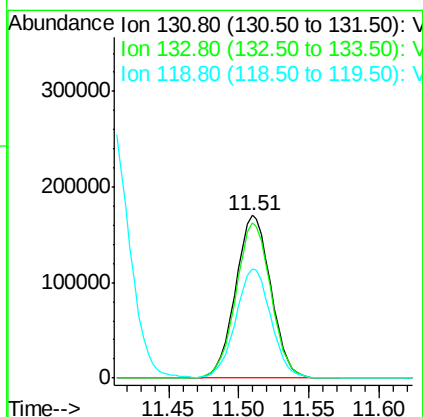
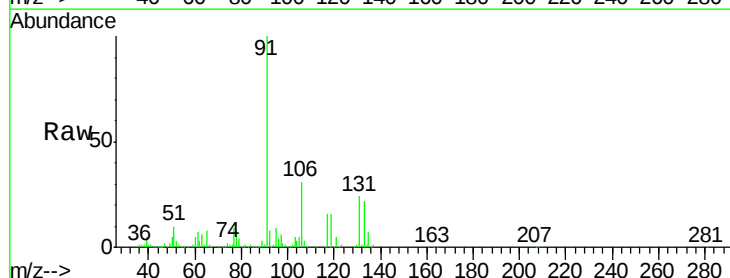
Instrument :
MSVOA_N
ClientSampleId :
VN0713WBS01

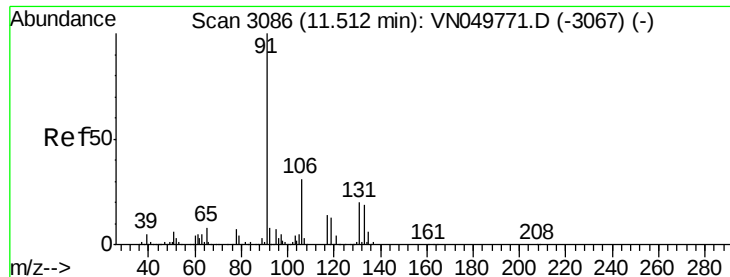
Tot Ion:112 Resp: 761672
Ion Ratio Lower Upper
112 100
114 32.0 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 21.10 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. 0.00 min
Lab File: VN049796.D
Acq: 13 Jul 2018 14:49

Tgt Ion:131 Resp: 298719
Ion Ratio Lower Upper
131 100
133 94.8 47.5 142.6
119 66.9 33.1 99.3





#67

Ethyl Benzene

Concen: 20.61 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN049796.D

Acq: 13 Jul 2018 14:49

Instrument :

MSVOA_N

ClientSampleId :

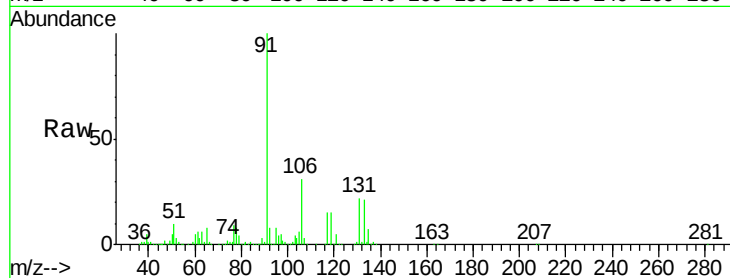
VN0713WBS01

Tot Ion: 91 Resp: 1269925

Ion Ratio Lower Upper

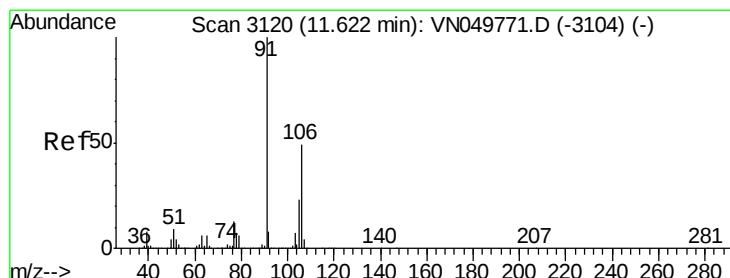
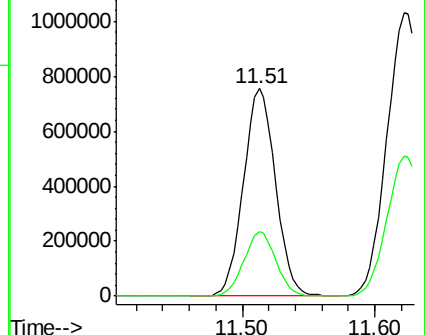
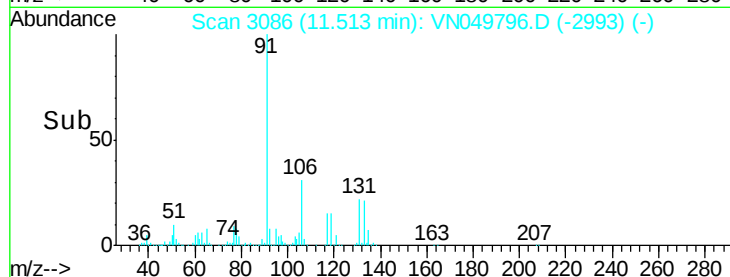
91 100

106 31.2 24.8 37.2



Abundance Ion 91.00 (90.70 to 91.70): VN049796.D (-2993) (-)

Ion 106.00 (105.70 to 106.70): VN049796.D (-2993) (-)



#68

m/p-Xylenes

Concen: 42.33 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. 0.00 min

Lab File: VN049796.D

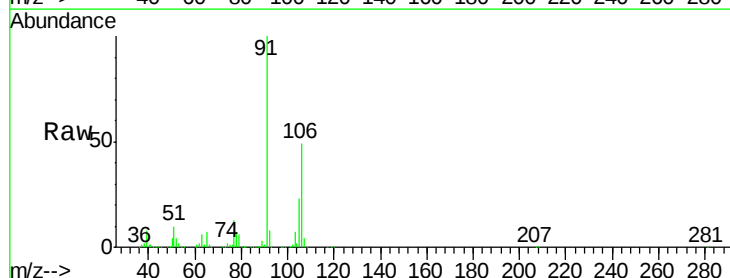
Acq: 13 Jul 2018 14:49

Tgt Ion: 106 Resp: 978856

Ion Ratio Lower Upper

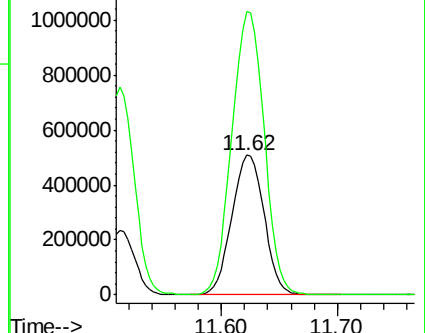
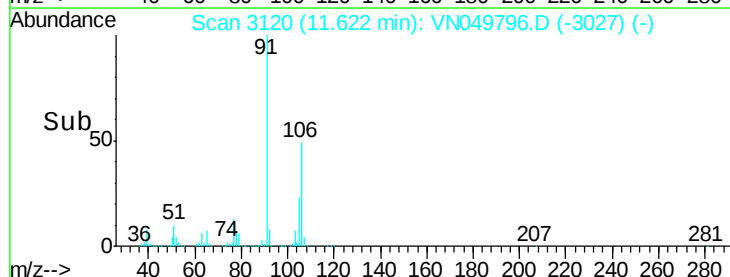
106 100

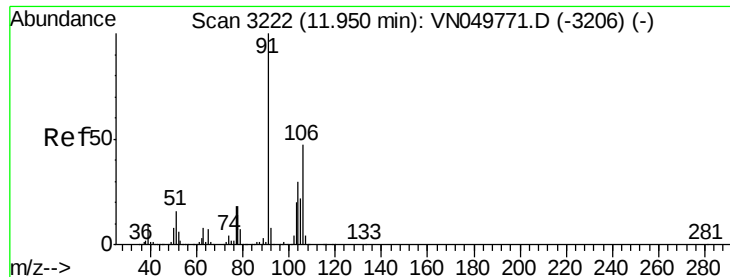
91 203.4 163.4 245.2



Abundance Ion 106.00 (105.70 to 106.70): VN049796.D (-3027) (-)

Ion 91.00 (90.70 to 91.70): VN049796.D (-3027) (-)

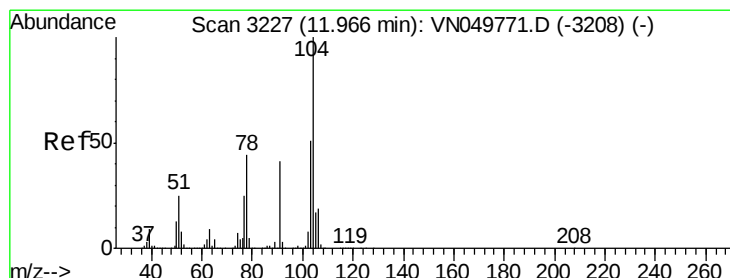
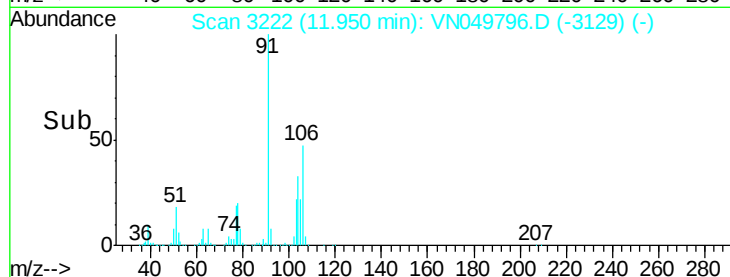
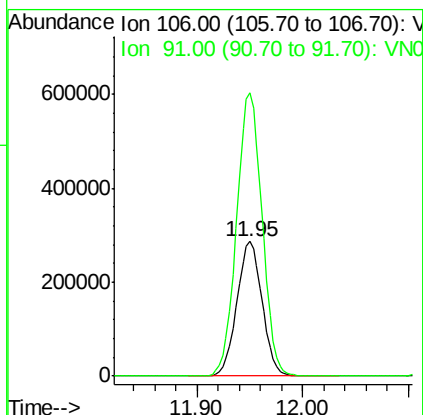
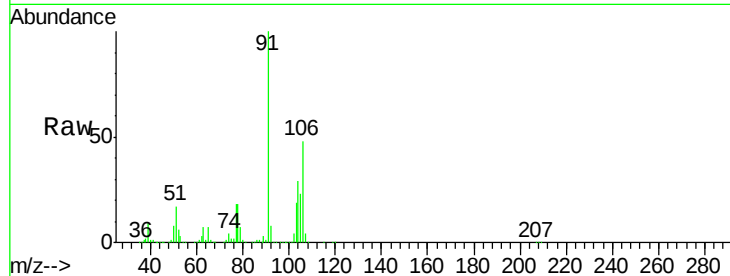




#69
o-Xylene
Concen: 21.21 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN049796.D
Acq: 13 Jul 2018 14:49

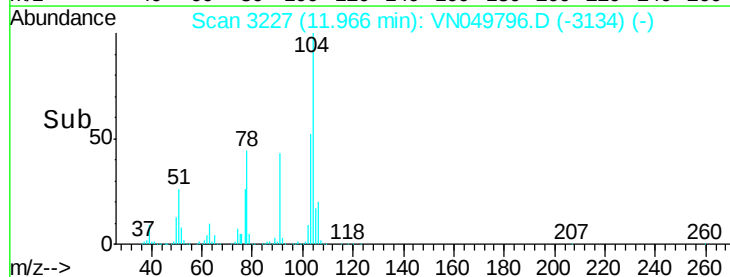
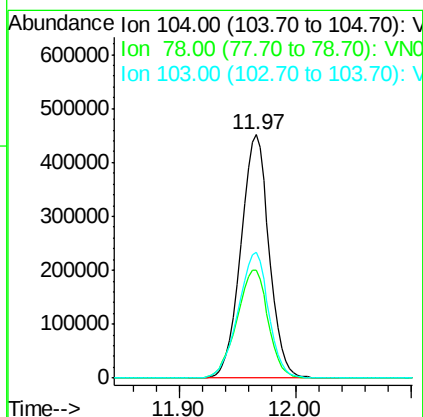
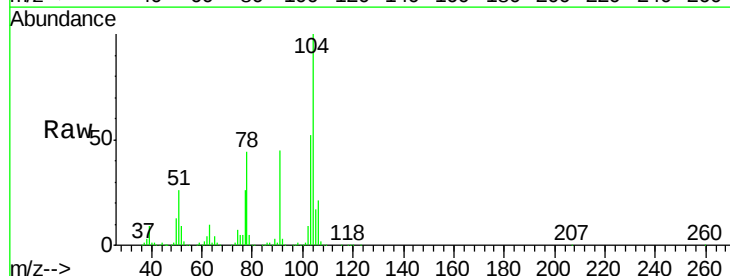
Instrument :
MSVOA_N
ClientSampleId :
VN0713WBS01

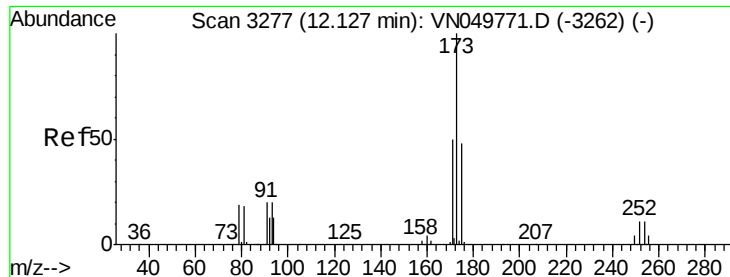
Tot Ion:106 Resp: 473877
Ion Ratio Lower Upper
106 100
91 213.1 108.7 326.1



#70
Styrene
Concen: 21.52 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN049796.D
Acq: 13 Jul 2018 14:49

Tgt Ion:104 Resp: 763569
Ion Ratio Lower Upper
104 100
78 49.4 39.2 58.8
103 55.8 44.6 67.0





#71

Bromoform

Concen: 20.89 ug/l

RT: 12.13 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN049796.D

Acq: 13 Jul 2018 14:49

Instrument :

MSVOA_N

ClientSampled :

VN0713WBS01

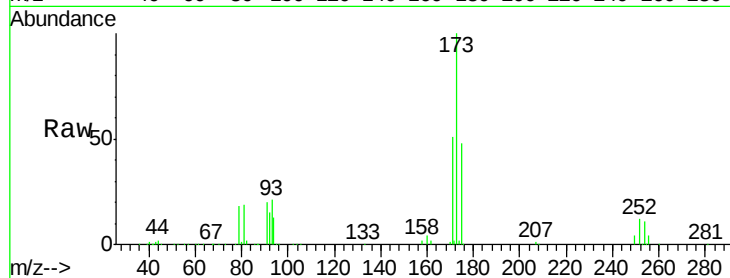
Tot Ion:173 Resp: 199788

Ion Ratio Lower Upper

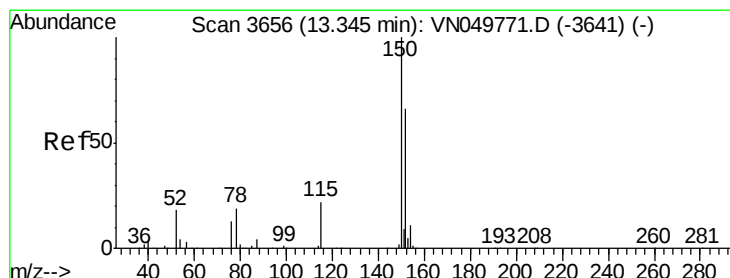
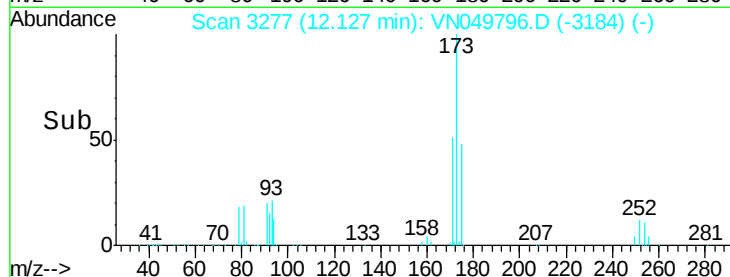
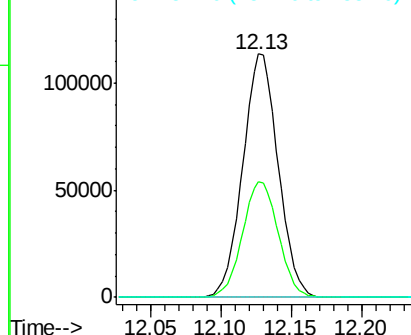
173 100

175 47.9 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: VN049796.D

Acq: 13 Jul 2018 14:49

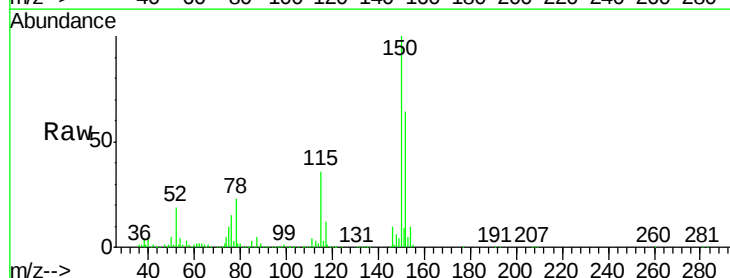
Tgt Ion:152 Resp: 730530

Ion Ratio Lower Upper

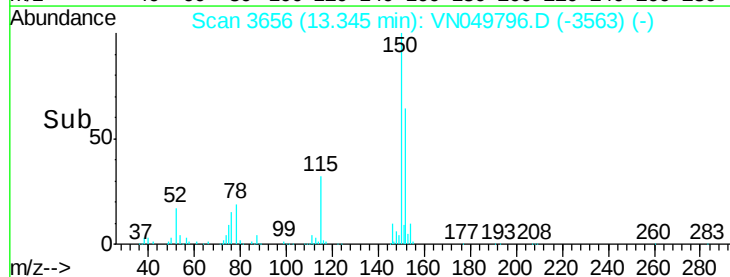
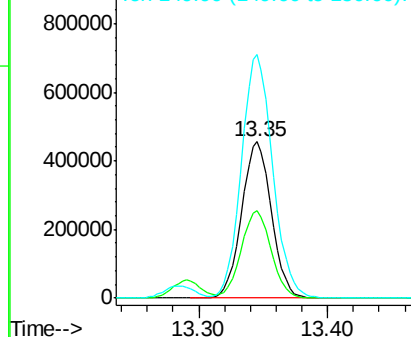
152 100

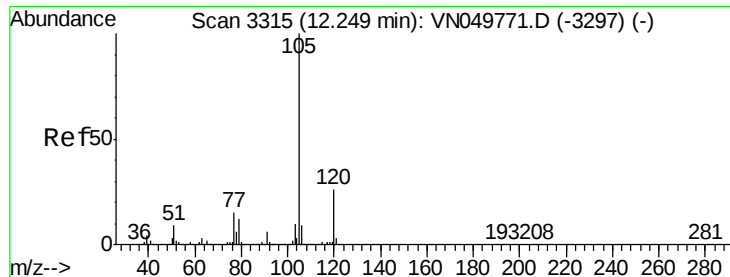
115 56.0 28.1 84.2

150 163.9 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: 20.81 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN049796.D

Acq: 13 Jul 2018 14:49

Instrument :

MSVOA_N

ClientSampleId :

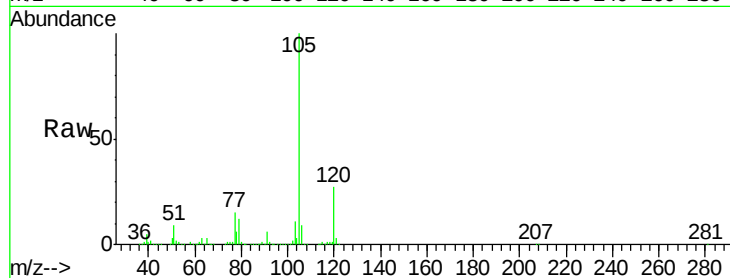
VN0713WBS01

Tot Ion:105 Resp: 1263653

Ion Ratio Lower Upper

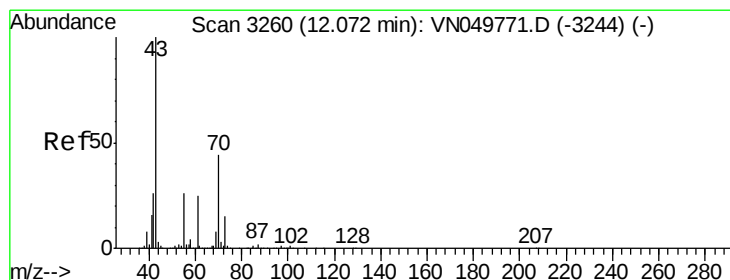
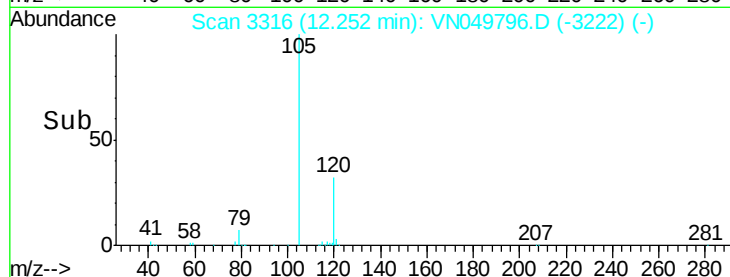
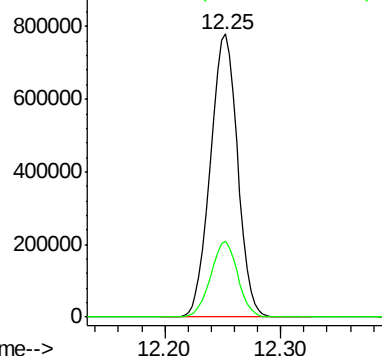
105 100

120 26.6 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.19 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN049796.D

Acq: 13 Jul 2018 14:49

Tgt Ion: 43 Resp: 318910

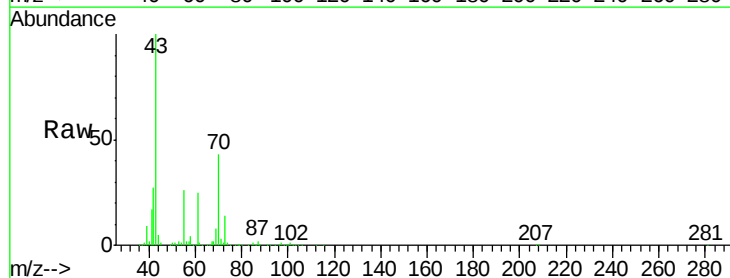
Ion Ratio Lower Upper

43 100

70 43.0 34.8 52.2

55 26.7 20.9 31.3

61 24.4 19.9 29.9

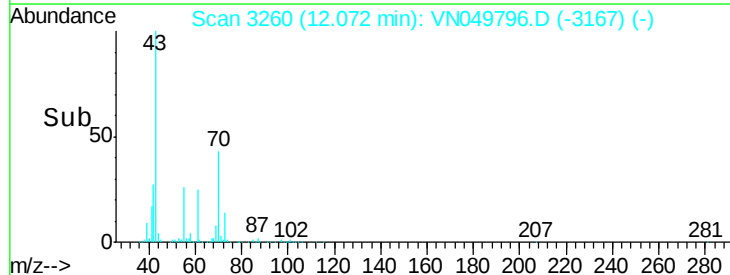
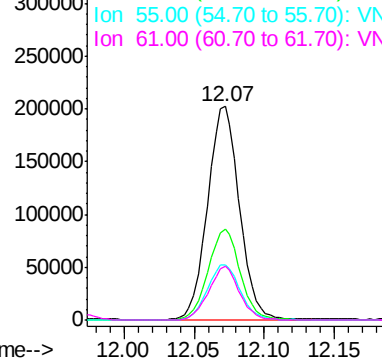


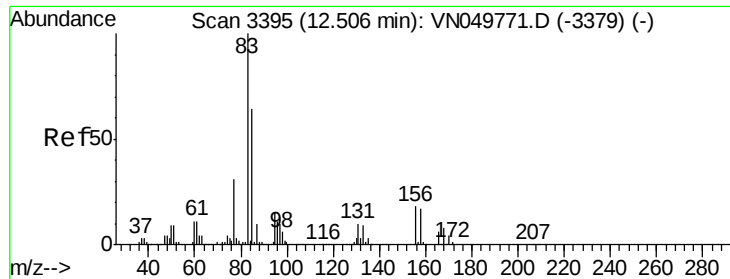
Abundance Ion 43.00 (42.70 to 43.70): V

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: 21.98 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN049796.D

Acq: 13 Jul 2018 14:49

Instrument :

MSVOA_N

ClientSampled :

VN0713WBS01

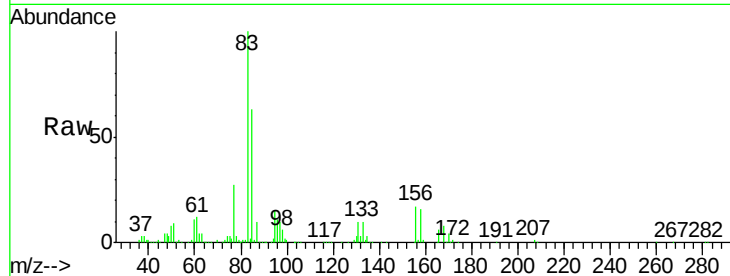
Tot Ion: 83 Resp: 322886

Ion Ratio Lower Upper

83 100

131 10.4 5.2 15.6

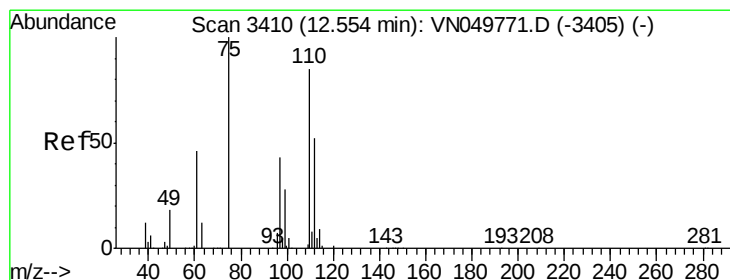
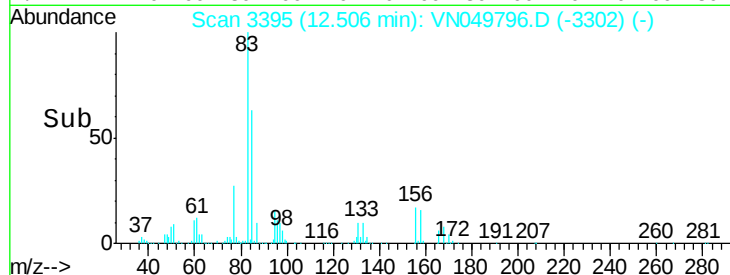
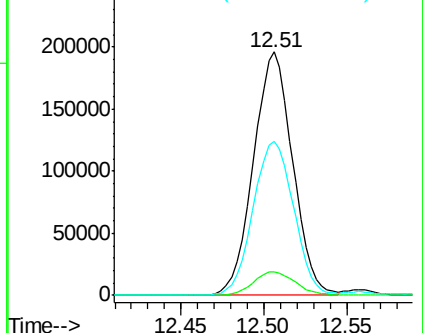
85 65.3 32.5 97.4



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 29.08 ug/l

RT: 12.56 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN049796.D

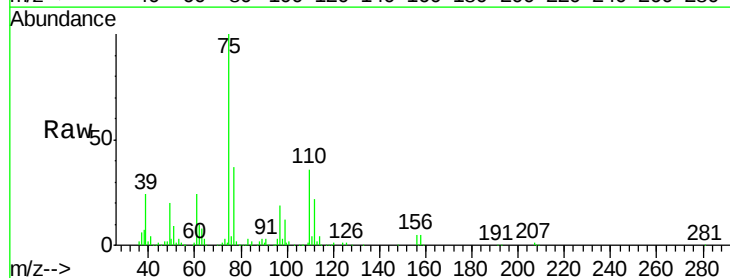
Acq: 13 Jul 2018 14:49

Tgt Ion: 75 Resp: 377397

Ion Ratio Lower Upper

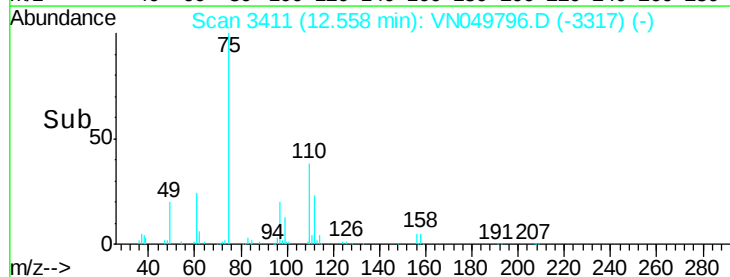
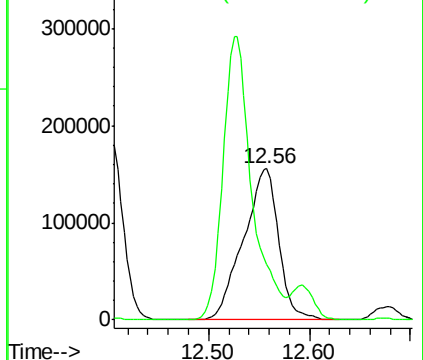
75 100

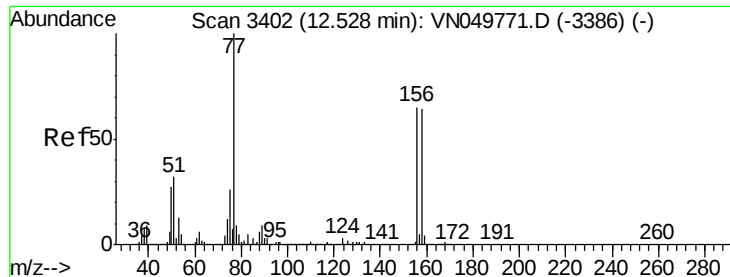
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 20.48 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN049796.D

Acq: 13 Jul 2018 14:49

Instrument :

MSVOA_N

ClientSampleId :

VN0713WBS01

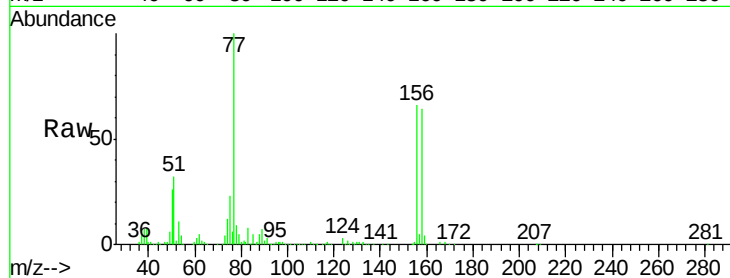
Tot Ion:156 Resp: 329819

Ion Ratio Lower Upper

156 100

77 177.8 90.2 270.6

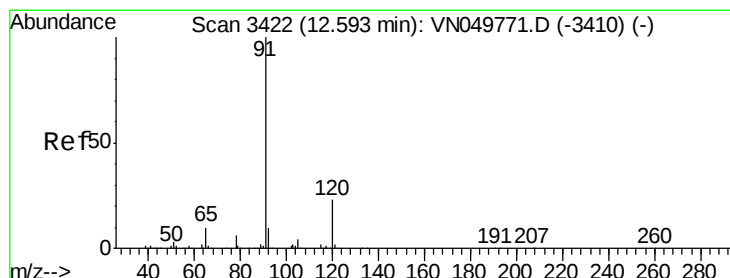
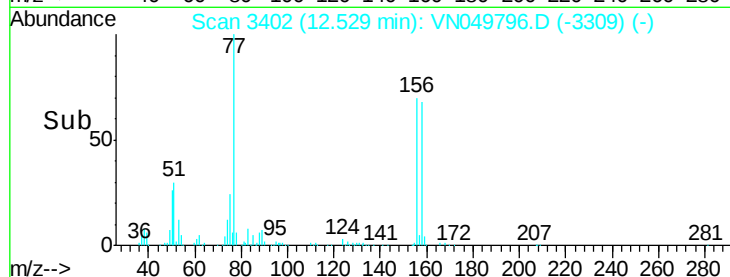
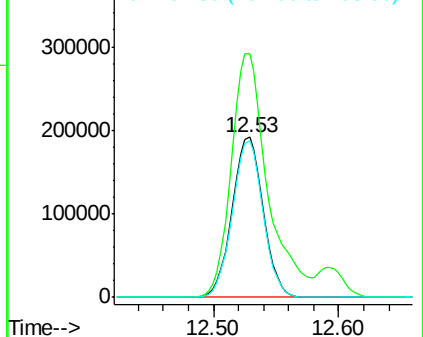
158 96.4 49.1 147.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.10 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN049796.D

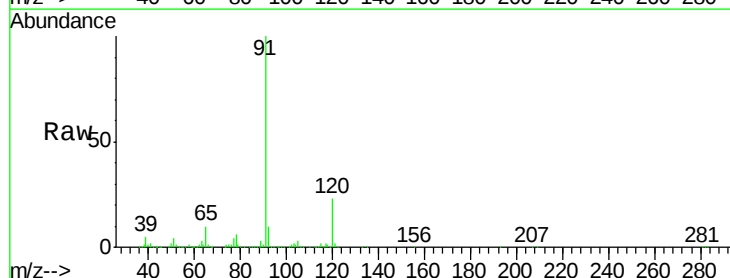
Acq: 13 Jul 2018 14:49

Tgt Ion: 91 Resp: 1444057

Ion Ratio Lower Upper

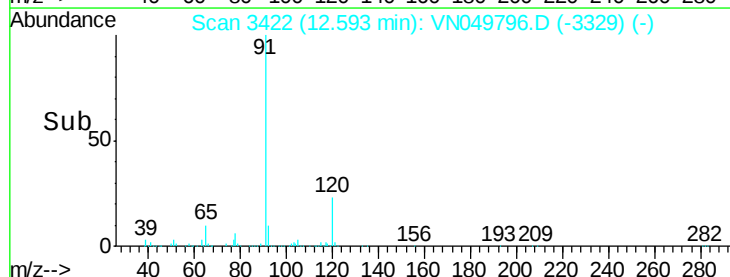
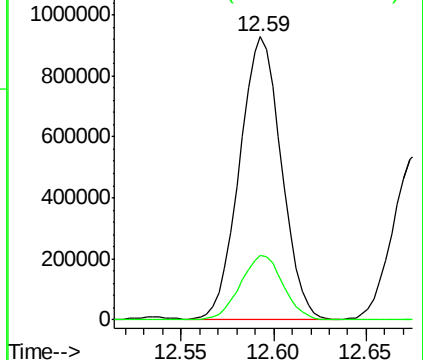
91 100

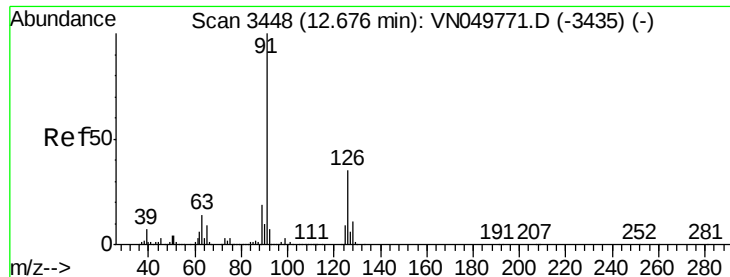
120 23.3 11.5 34.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.05 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN049796.D

Acq: 13 Jul 2018 14:49

Instrument :

MSVOA_N

ClientSampleId :

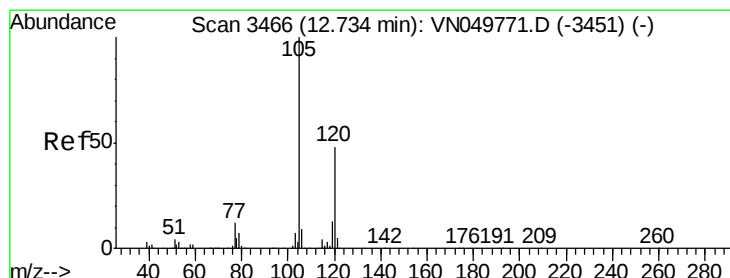
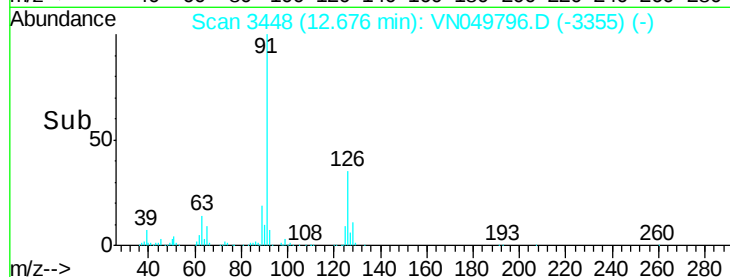
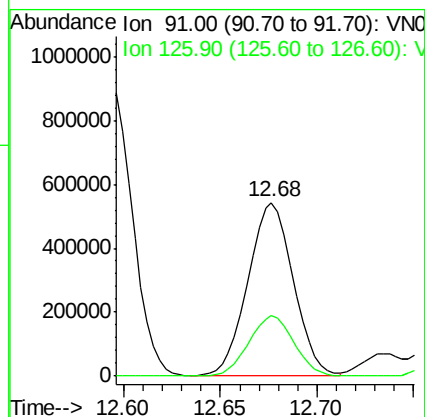
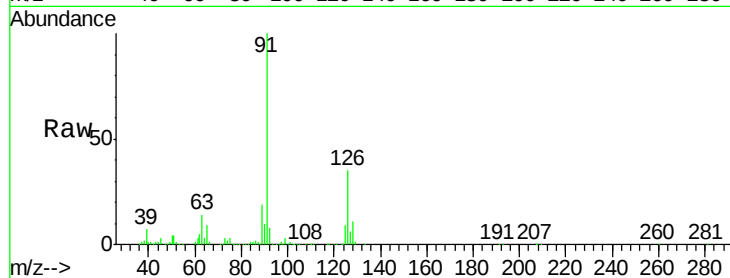
VN0713WBS01

Tot Ion: 91 Resp: 882034

Ion Ratio Lower Upper

91 100

126 35.0 17.5 52.5



#80

1,3,5-Trimethylbenzene

Concen: 21.42 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN049796.D

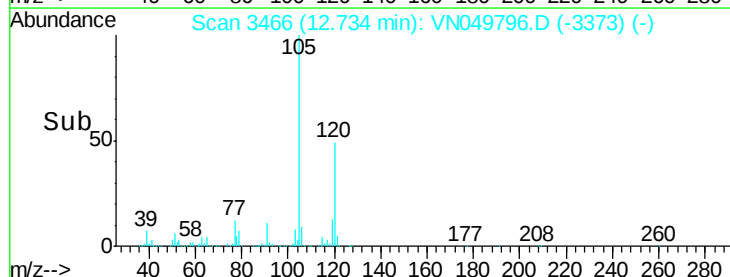
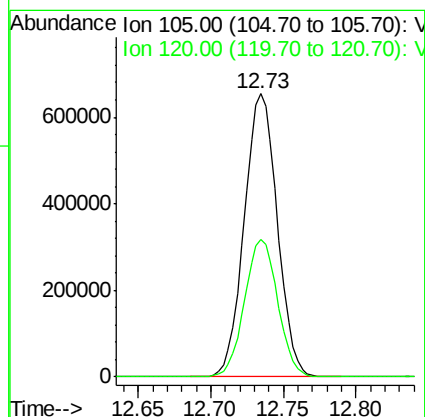
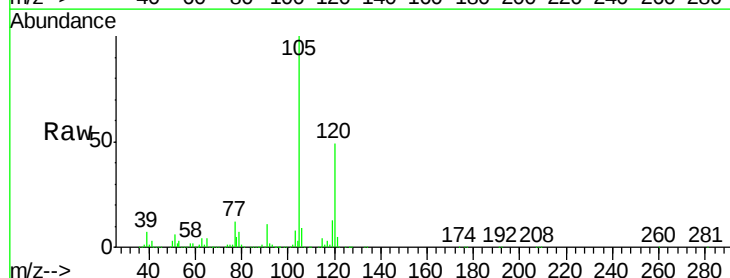
Acq: 13 Jul 2018 14:49

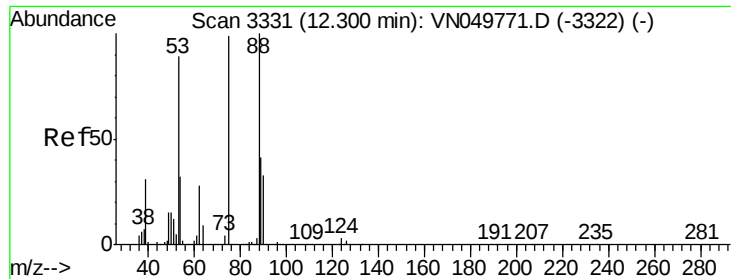
Tgt Ion:105 Resp: 1033408

Ion Ratio Lower Upper

105 100

120 48.9 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 19.46 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN049796.D

Acq: 13 Jul 2018 14:49

Instrument :

MSVOA_N

ClientSampleId :

VN0713WBS01

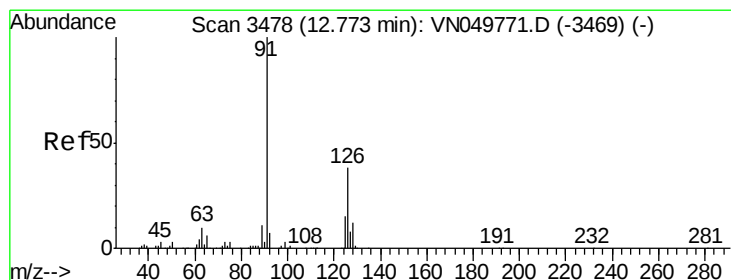
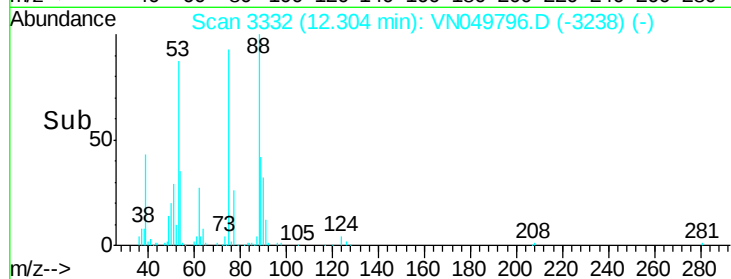
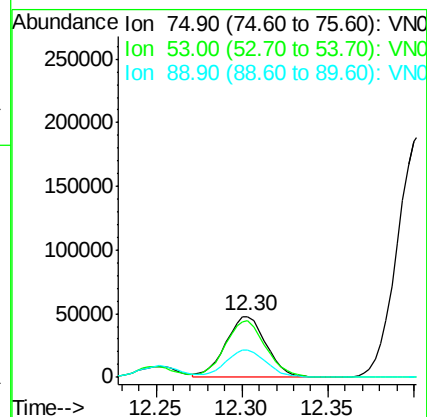
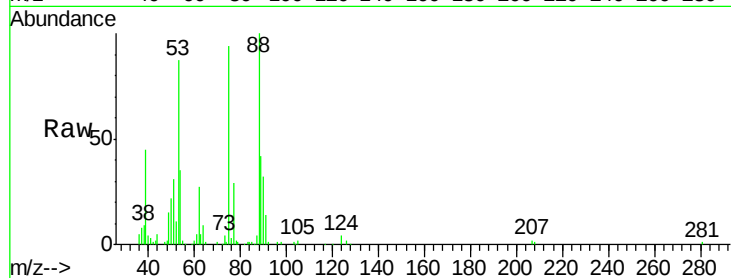
Tot Ion: 75 Resp: 78209

Ion Ratio Lower Upper

75 100

53 95.7 73.9 110.9

89 45.9 35.9 53.9



#82

4-Chlorotoluene

Concen: 20.85 ug/l

RT: 12.77 min Scan# 3478

Delta R.T. 0.00 min

Lab File: VN049796.D

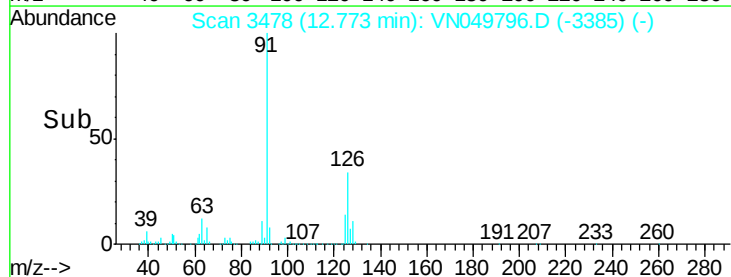
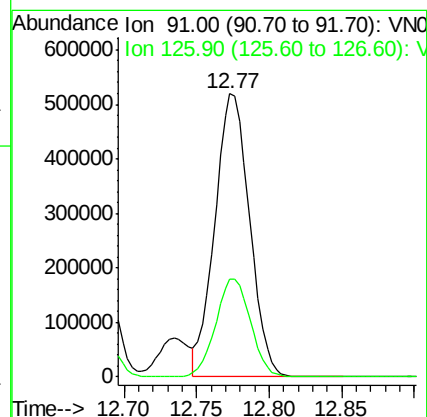
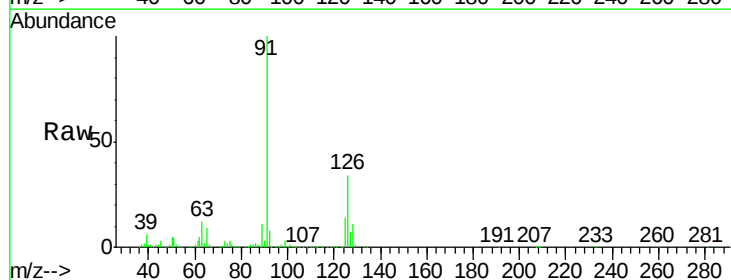
Acq: 13 Jul 2018 14:49

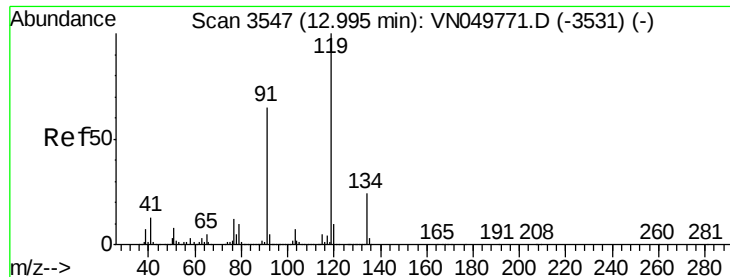
Tgt Ion: 91 Resp: 866232

Ion Ratio Lower Upper

91 100

126 34.7 17.2 51.6

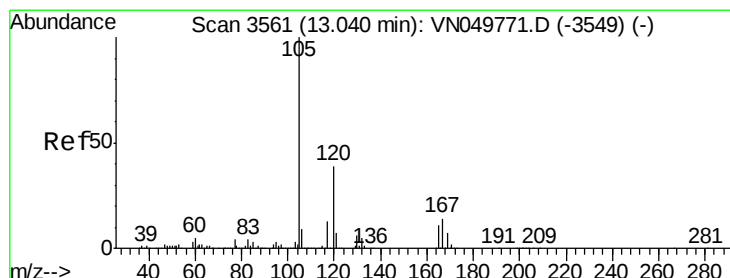
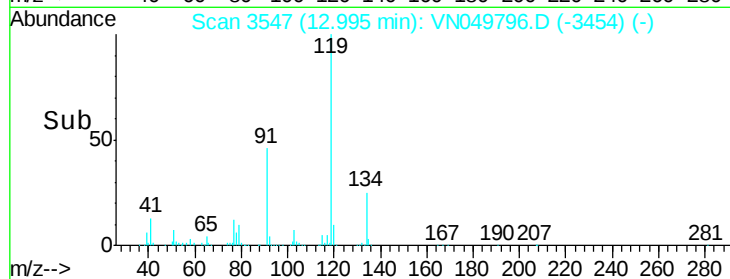
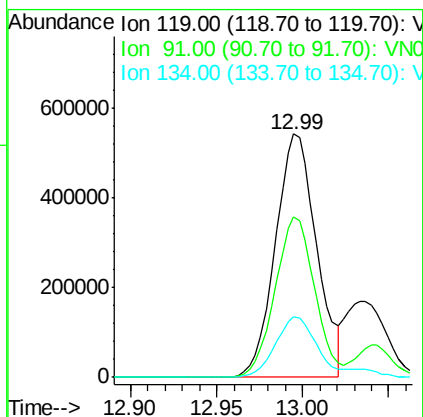
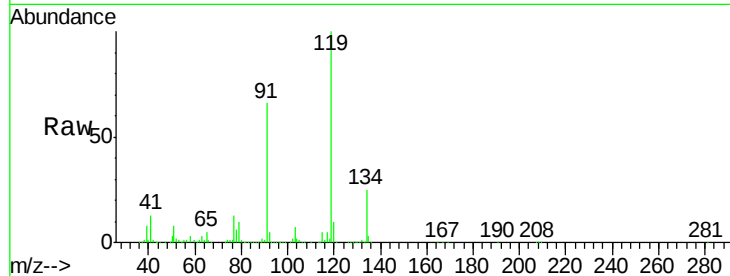




#83
 tert-Butylbenzene
 Concen: 20.91 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN049796.D
 Acq: 13 Jul 2018 14:49

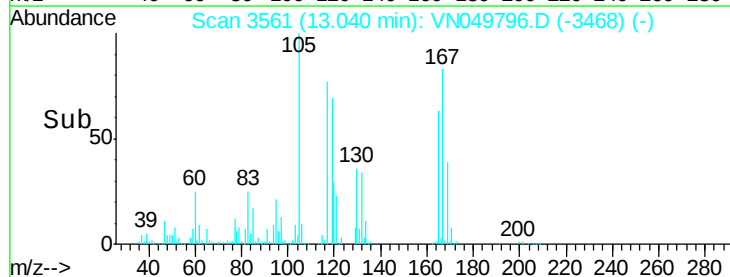
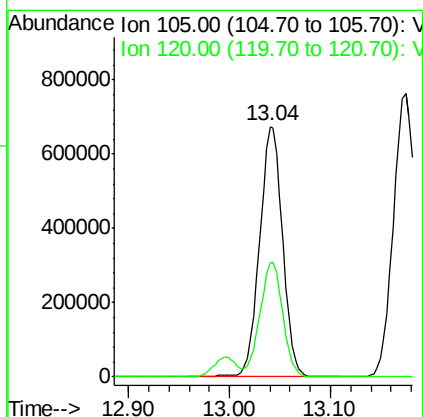
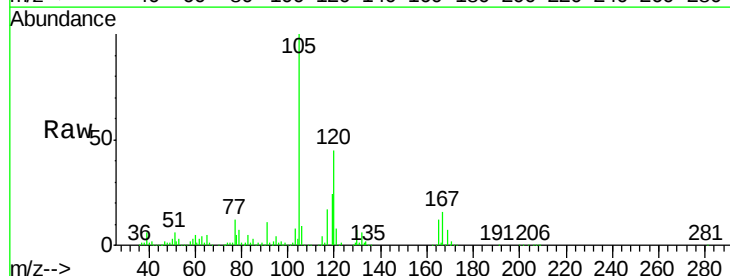
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0713WBS01

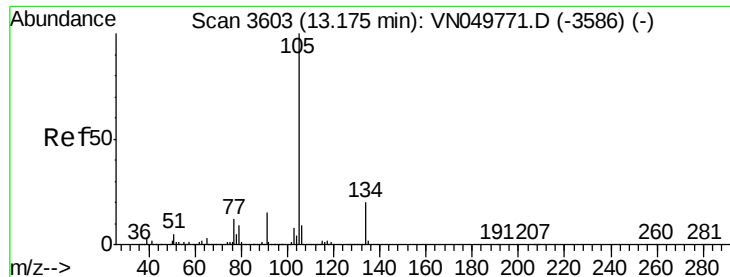
Tot Ion:119 Resp: 902766
 Ion Ratio Lower Upper
 119 100
 91 63.4 32.0 96.2
 134 24.7 12.8 38.4



#84
 1,2,4-Trimethylbenzene
 Concen: 22.01 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. 0.00 min
 Lab File: VN049796.D
 Acq: 13 Jul 2018 14:49

Tgt Ion:105 Resp: 1065111
 Ion Ratio Lower Upper
 105 100
 120 45.2 22.7 68.1





#85

sec-Butylbenzene

Concen: 21.39 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN049796.D

Acq: 13 Jul 2018 14:49

Instrument :

MSVOA_N

ClientSampled :

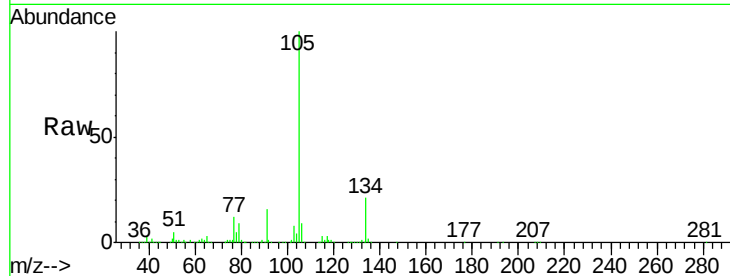
VN0713WBS01

Tot Ion:105 Resp: 1209927

Ion Ratio Lower Upper

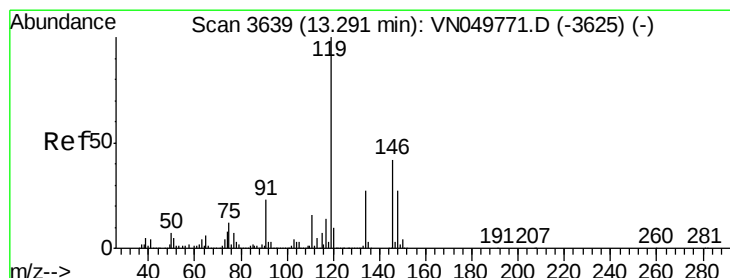
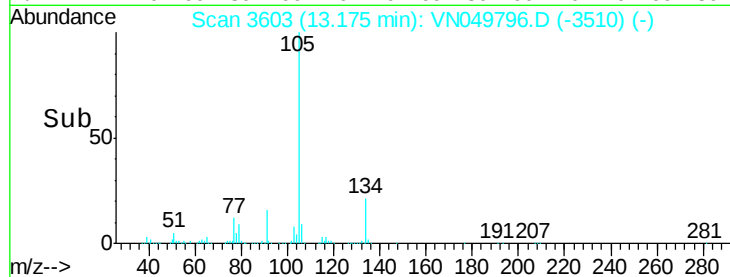
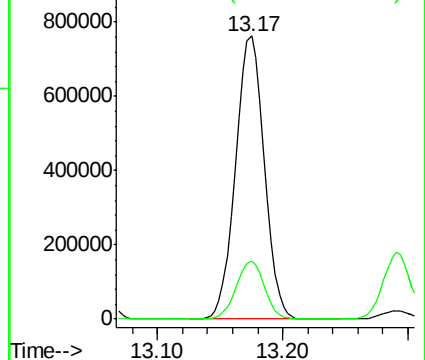
105 100

134 20.3 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: 21.56 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN049796.D

Acq: 13 Jul 2018 14:49

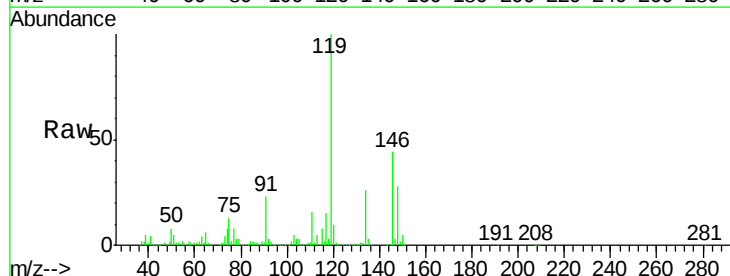
Tgt Ion:119 Resp: 1031953

Ion Ratio Lower Upper

119 100

134 26.7 13.3 39.9

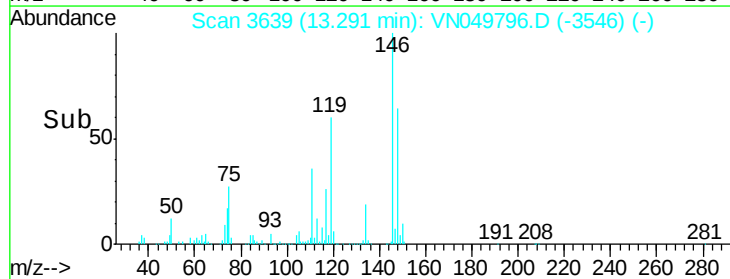
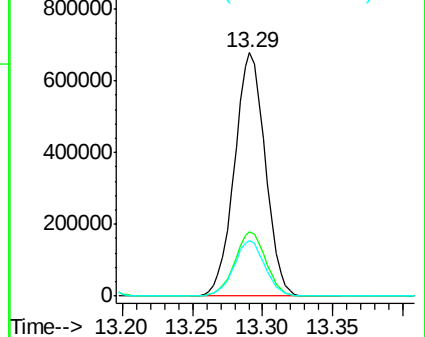
91 22.9 11.4 34.1

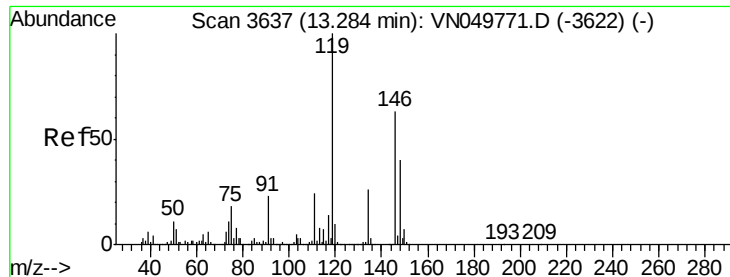


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 20.45 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. 0.00 min

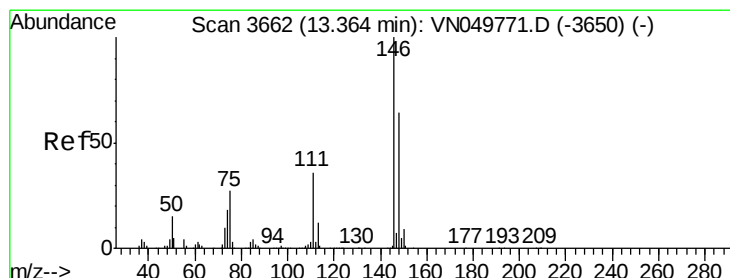
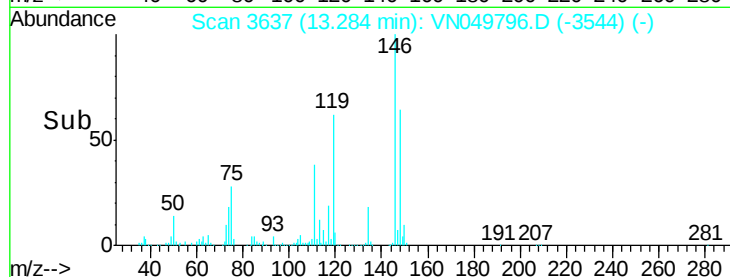
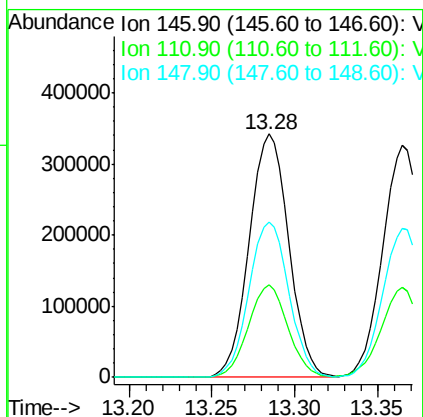
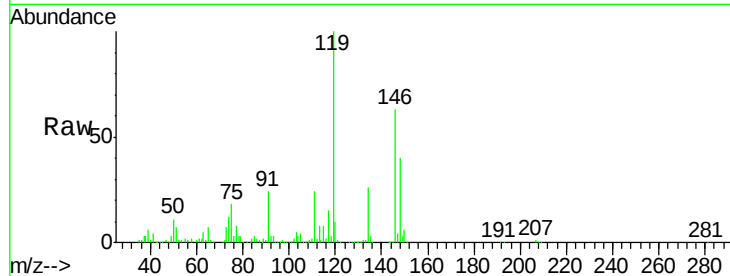
Lab File: VN049796.D

Acq: 13 Jul 2018 14:49

Instrument :
MSVOA_N
ClientSampleId :
VN0713WBS01

Tot Ion:146 Resp: 571164

Ion	Ratio	Lower	Upper
146	100		
111	37.8	19.0	57.0
148	64.3	32.5	97.5



#88

1,4-Dichlorobenzene

Concen: 20.07 ug/l

RT: 13.36 min Scan# 3662

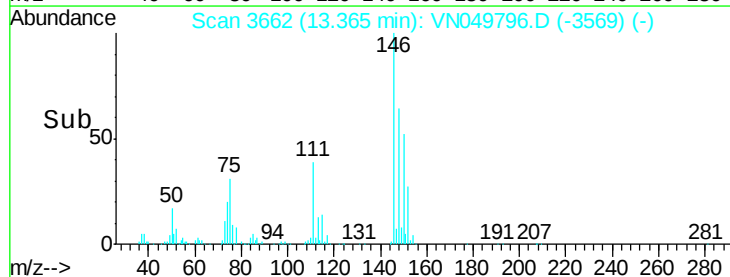
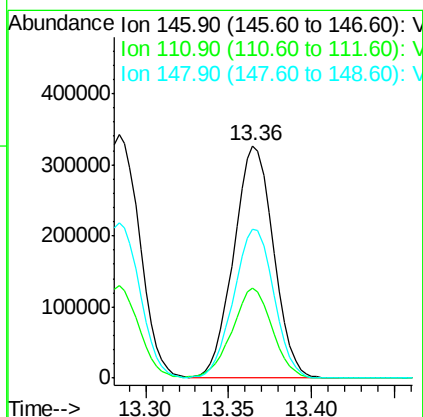
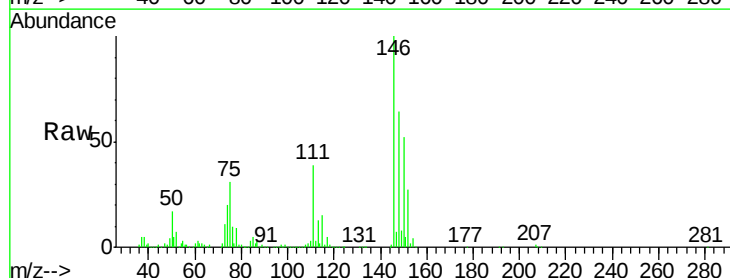
Delta R.T. 0.00 min

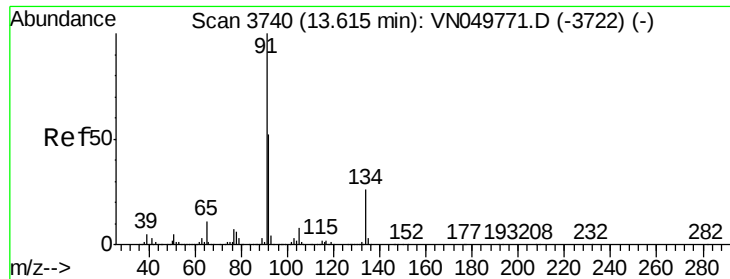
Lab File: VN049796.D

Acq: 13 Jul 2018 14:49

Tgt Ion:146 Resp: 544870

Ion	Ratio	Lower	Upper
146	100		
111	38.9	18.9	56.5
148	64.8	32.1	96.3

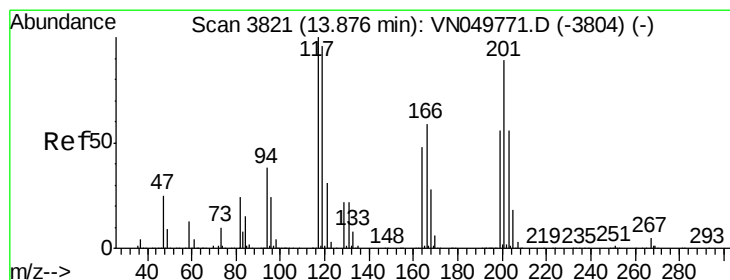
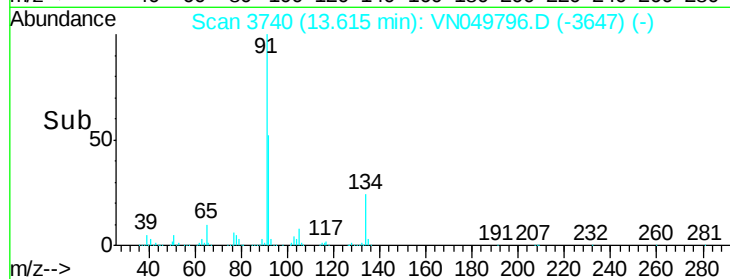
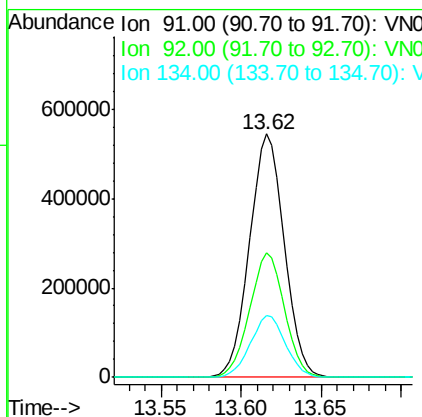
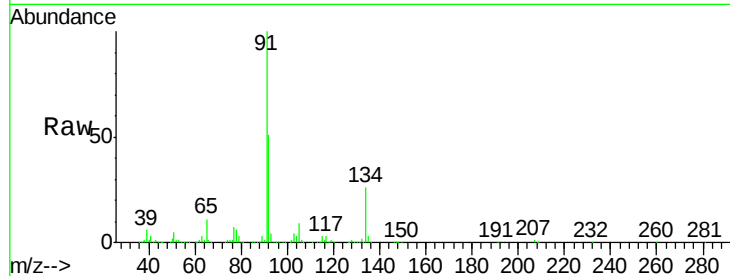




#89
n-Butylbenzene
Concen: 20.47 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. 0.00 min
Lab File: VN049796.D
Acq: 13 Jul 2018 14:49

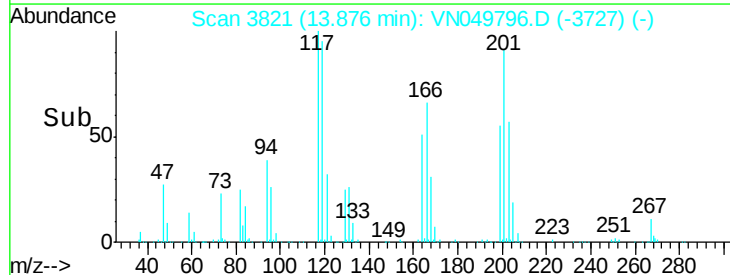
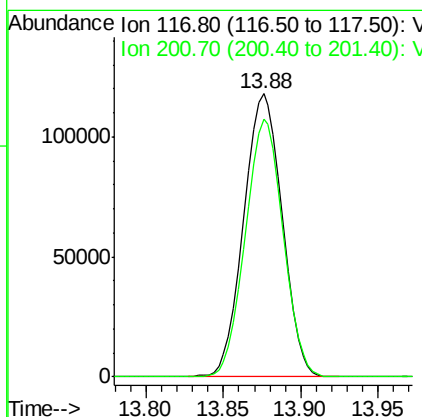
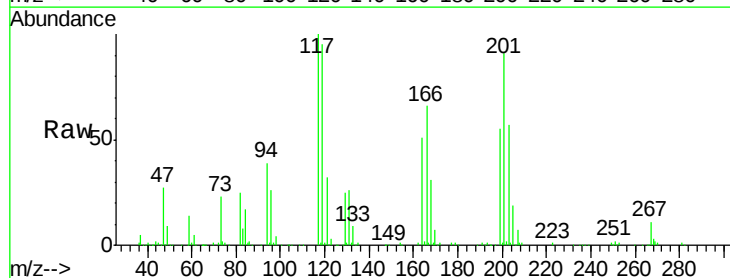
Instrument :
MSVOA_N
ClientSampleId :
VN0713WBS01

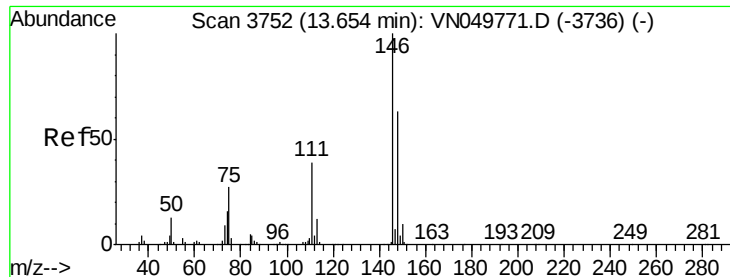
Tot Ion: 91 Resp: 808861
Ion Ratio Lower Upper
91 100
92 51.1 25.8 77.3
134 25.7 13.0 38.9



#90
Hexachloroethane
Concen: 21.58 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN049796.D
Acq: 13 Jul 2018 14:49

Tgt Ion: 117 Resp: 204374
Ion Ratio Lower Upper
117 100
201 89.4 45.3 135.8

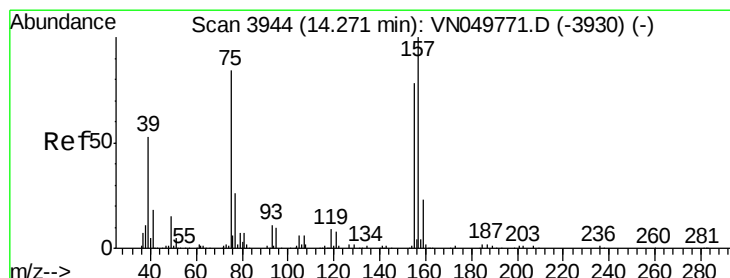
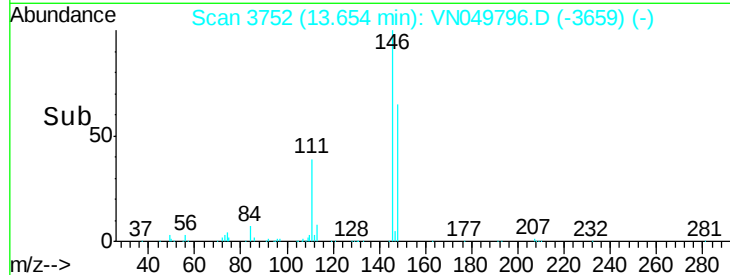
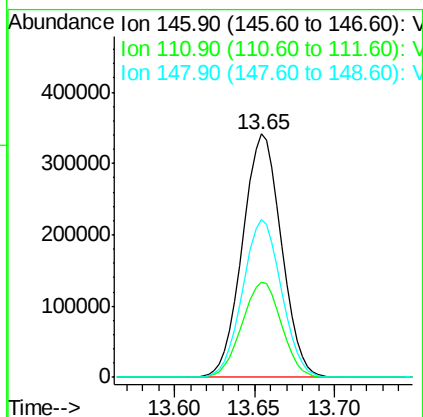
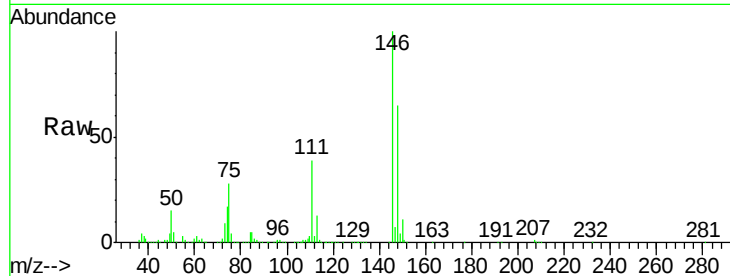




#91
 1,2-Dichlorobenzene
 Concen: 20.76 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. 0.00 min
 Lab File: VN049796.D
 Acq: 13 Jul 2018 14:49

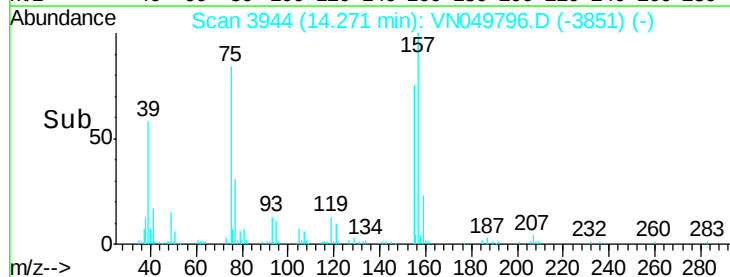
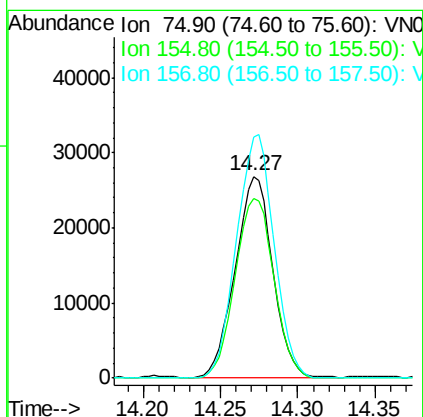
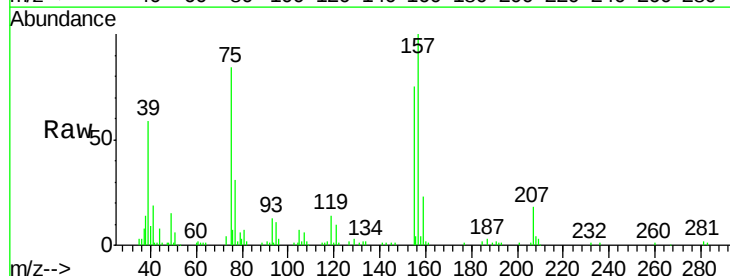
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0713WBS01

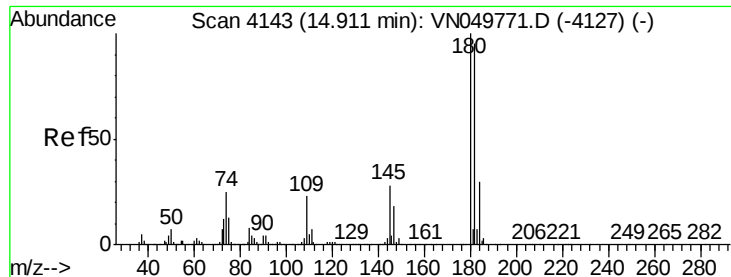
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	19.7	59.1
148	64.7	32.0	96.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.90 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN049796.D
 Acq: 13 Jul 2018 14:49

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.6	45.7	137.1
157	120.1	56.9	170.7

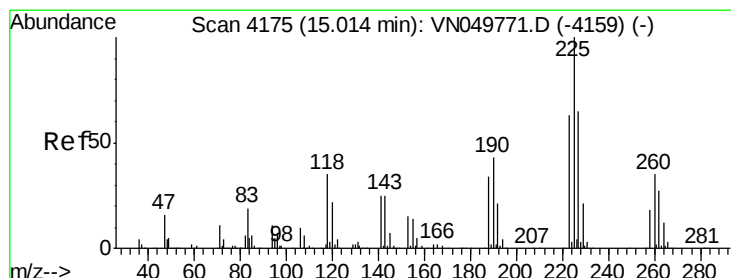
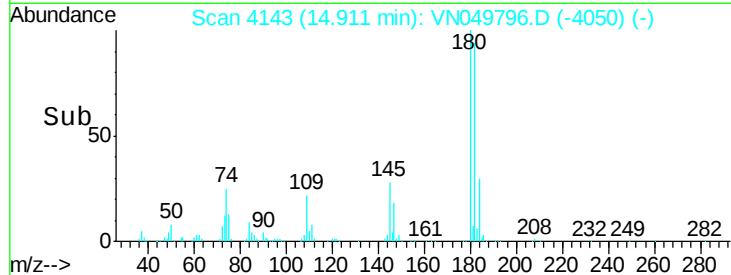
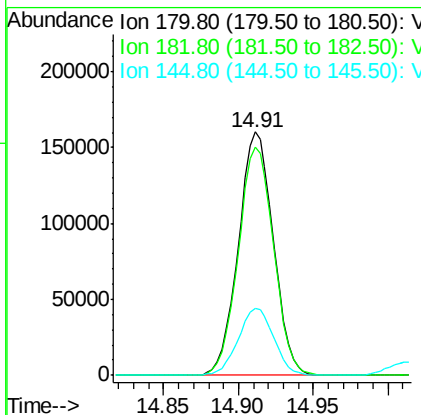
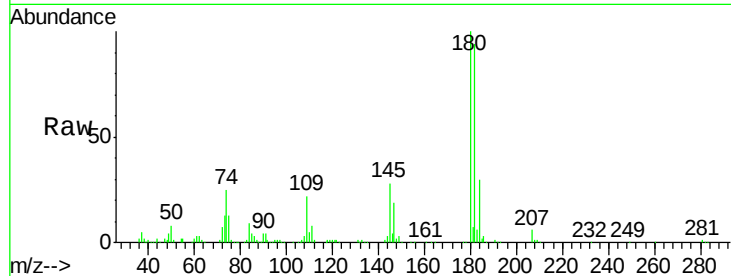




#93
 1,2,4-Trichlorobenzene
 Concen: 19.27 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN049796.D
 Acq: 13 Jul 2018 14:49

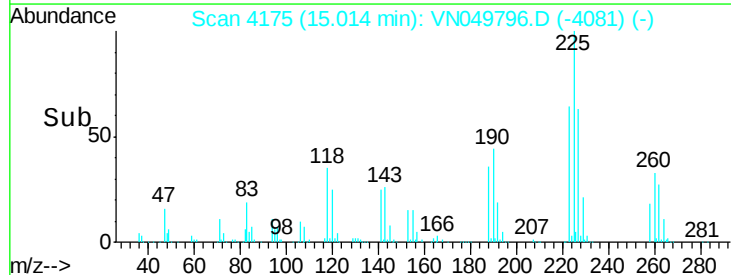
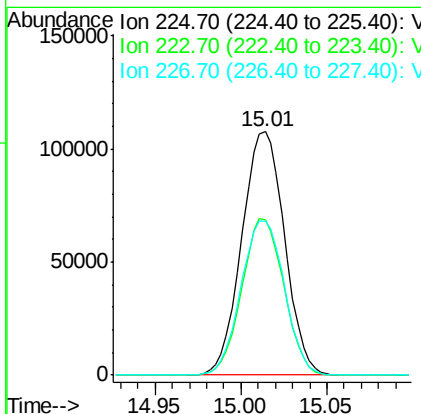
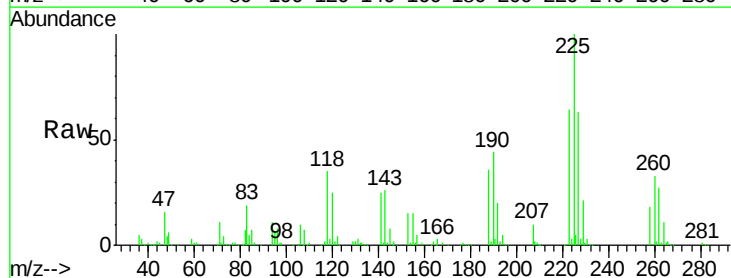
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0713WBS01

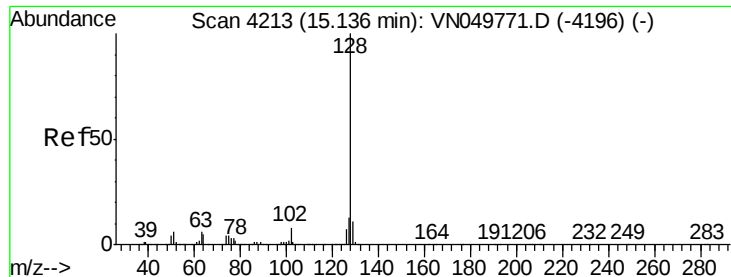
Tot Ion:180 Resp: 260269
 Ion Ratio Lower Upper
 180 100
 182 94.6 47.3 141.9
 145 28.2 14.4 43.0



#94
 Hexachlorobutadiene
 Concen: 21.63 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN049796.D
 Acq: 13 Jul 2018 14:49

Tgt Ion:225 Resp: 185509
 Ion Ratio Lower Upper
 225 100
 223 63.0 30.9 92.7
 227 64.5 31.8 95.4

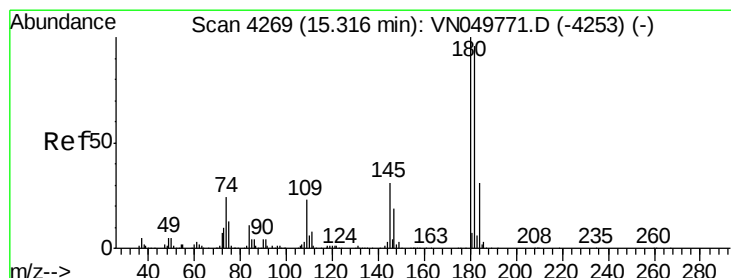
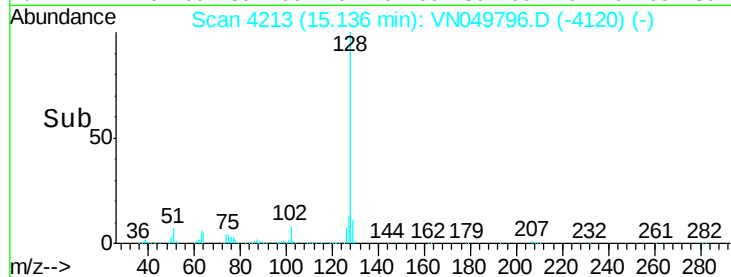
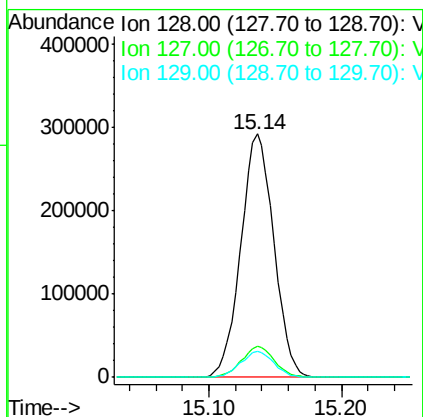
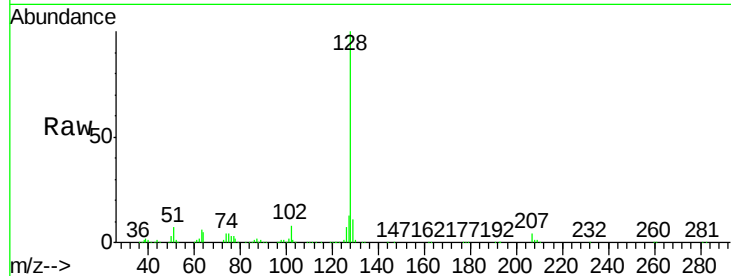




#95
Naphthalene
Concen: 18.36 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN049796.D
Acq: 13 Jul 2018 14:49

Instrument :
MSVOA_N
ClientSampleId :
VN0713WBS01

Tot Ion:128 Resp: 503445
Ion Ratio Lower Upper
128 100
127 12.8 10.4 15.6
129 10.7 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 20.12 ug/l
RT: 15.32 min Scan# 4269
Delta R.T. 0.00 min
Lab File: VN049796.D
Acq: 13 Jul 2018 14:49

Tgt Ion:180 Resp: 265985
Ion Ratio Lower Upper
180 100
182 97.4 47.4 142.2
145 30.8 15.2 45.6

