

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071318\
 Data File : VN049798.D
 Acq On : 13 Jul 2018 15:43
 Operator : MD\SY
 Sample : VN0713WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0713WBSD01

Quant Time: Jul 13 23:50:26 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	1121802	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1638730	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1484144	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	742499	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	643615	49.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.64%	
35) Dibromofluoromethane	7.60	113	618450	50.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.14%	
50) Toluene-d8	10.09	98	2023346	47.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.70%	
62) 4-Bromofluorobenzene	12.40	95	715161	47.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.72%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.85	85	195596	19.33	ug/l	96
3) Chloromethane	2.06	50	256071	19.21	ug/l	100
4) Vinyl Chloride	2.18	62	292104	20.14	ug/l	100
5) Bromomethane	2.57	94	182463	19.95	ug/l	95
6) Chloroethane	2.71	64	190591	19.10	ug/l	99
7) Trichlorofluoromethane	3.02	101	408668	19.21	ug/l	99
8) Diethyl Ether	3.42	74	142547	18.70	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.76	101	263585	19.09	ug/l	99
10) Methyl Iodide	3.96	142	337628	19.24	ug/l	100
11) Tert butyl alcohol	4.80	59	82106	94.01	ug/l	99
12) 1,1-Dichloroethene	3.74	96	226519	18.67	ug/l	98
13) Acrolein	3.61	56	66455	86.63	ug/l	98
14) Allyl chloride	4.33	41	365889	18.48	ug/l	98
15) Acrylonitrile	5.00	53	420465	96.13	ug/l	98
16) Acetone	3.82	43	332274	102.23	ug/l	99
17) Carbon Disulfide	4.05	76	589213	18.69	ug/l	100
18) Methyl Acetate	4.33	43	229465	20.62	ug/l	99
19) Methyl tert-butyl Ether	5.06	73	646685	19.22	ug/l	99
20) Methylene Chloride	4.55	84	276087	20.07	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	246285	18.57	ug/l	98
22) Diisopropyl ether	5.96	45	815202	20.05	ug/l	99
23) Vinyl Acetate	5.90	43	2636439	96.74	ug/l	100
24) 1,1-Dichloroethane	5.85	63	497553	19.48	ug/l	99
25) 2-Butanone	6.84	43	495406	97.42	ug/l	96
26) 2,2-Dichloropropane	6.83	77	420486	19.83	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	296916	19.58	ug/l	99
28) Bromochloromethane	7.20	49	225987	19.45	ug/l	98
29) Tetrahydrofuran	7.22	42	309607	96.95	ug/l	99
30) Chloroform	7.37	83	518797	19.71	ug/l	100
31) Cyclohexane	7.66	56	396346	19.34	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	431052	19.28	ug/l	99
36) 1,1-Dichloropropene	7.80	75	358115	18.96	ug/l	100
37) Ethyl Acetate	6.94	43	217791	19.48	ug/l	98
38) Carbon Tetrachloride	7.78	117	373540	18.92	ug/l	99

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 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)
39) Methylcyclohexane	9.08	83	361496	18.16	ug/l	97
40) Benzene	8.04	78	1106349	19.58	ug/l	99
41) Methacrylonitrile	7.18	41	110912	17.54	ug/l	94
42) 1,2-Dichloroethane	8.13	62	358926	19.42	ug/l	99
43) Isopropyl Acetate	8.17	43	397223	19.77	ug/l	97
44) Trichloroethene	8.84	130	287657	18.91	ug/l	98
45) 1,2-Dichloropropane	9.12	63	298800	19.68	ug/l	99
46) Dibromomethane	9.21	93	175194	19.43	ug/l	99
47) Bromodichloromethane	9.40	83	388628	19.57	ug/l	97
48) Methyl methacrylate	9.20	41	188689	18.78	ug/l	99
49) 1,4-Dioxane	9.20	88	50262	381.86	ug/l	93
51) 4-Methyl-2-Pentanone	9.99	43	1088418	99.77	ug/l	99
52) Toluene	10.16	92	676585	20.01	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	366580	19.19	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	430238	19.78	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	259877	19.91	ug/l	99
56) Ethyl methacrylate	10.43	69	297424	19.49	ug/l	97
57) 1,3-Dichloropropane	10.71	76	419388	19.47	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	740806	101.21	ug/l	98
59) 2-Hexanone	10.75	43	707757	97.59	ug/l	100
60) Dibromochloromethane	10.90	129	289749	19.56	ug/l	99
61) 1,2-Dibromoethane	11.01	107	236273	19.20	ug/l	98
64) Tetrachloroethene	10.63	164	257521	19.11	ug/l	98
65) Chlorobenzene	11.44	112	745006	19.27	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	290870	20.00	ug/l	99
67) Ethyl Benzene	11.51	91	1224052	19.33	ug/l	100
68) m/p-Xylenes	11.62	106	954204	40.15	ug/l	99
69) o-Xylene	11.95	106	457069	19.91	ug/l	98
70) Styrene	11.97	104	741370	20.33	ug/l	99
71) Bromoform	12.13	173	191302	19.46	ug/l	# 100
73) Isopropylbenzene	12.25	105	1229219	19.92	ug/l	99
74) N-amyl acetate	12.07	43	306205	19.07	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	316776	21.14	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	361728	27.42	ug/l	# 100
77) Bromobenzene	12.53	156	319955	19.55	ug/l	98
78) n-propylbenzene	12.59	91	1386818	19.93	ug/l	99
79) 2-Chlorotoluene	12.68	91	851337	19.99	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1005283	20.50	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	75862	18.57	ug/l	96
82) 4-Chlorotoluene	12.78	91	851688	20.17	ug/l	100
83) tert-Butylbenzene	12.99	119	877367	20.00	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1018835	20.72	ug/l	100
85) sec-Butylbenzene	13.17	105	1162898	20.22	ug/l	99
86) p-Isopropyltoluene	13.29	119	997993	20.51	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	553271	19.49	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	531341	19.26	ug/l	100
89) n-Butylbenzene	13.62	91	776083	19.32	ug/l	100
90) Hexachloroethane	13.88	117	196482	20.37	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	545622	19.70	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	43178	19.50	ug/l	95

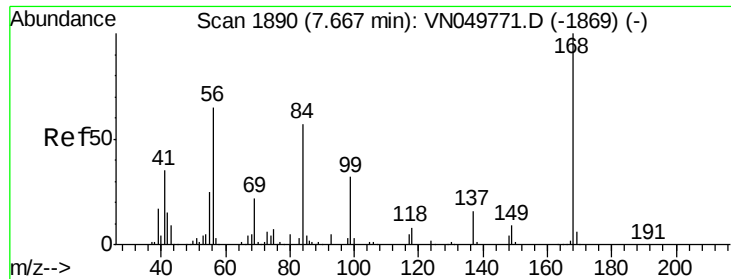
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071318\
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QLast Update : Thu Jul 12 15:51:38 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	246878	18.18	ug/l	99
94) Hexachlorobutadiene	15.01	225	178649	20.44	ug/l	99
95) Naphthalene	15.14	128	466396	17.09	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	260106	19.36	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN049798.D

Acq: 13 Jul 2018 15:43

Instrument :

MSVOA_N

ClientSampleId :

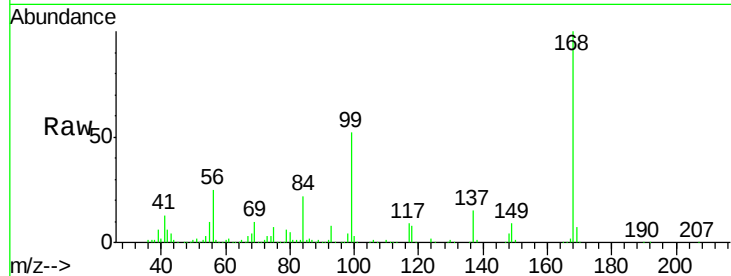
VN0713WBSD01

Tot Ion:168 Resp: 1121802

Ion Ratio Lower Upper

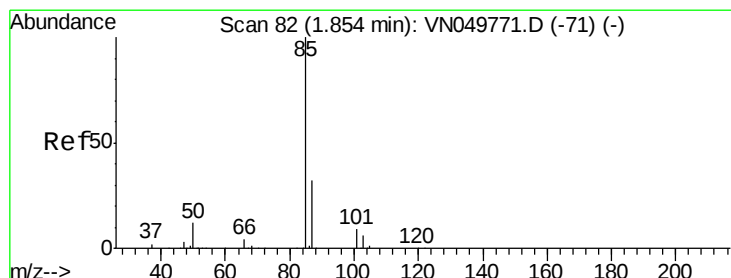
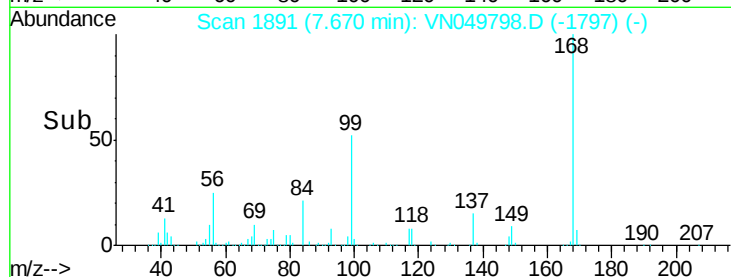
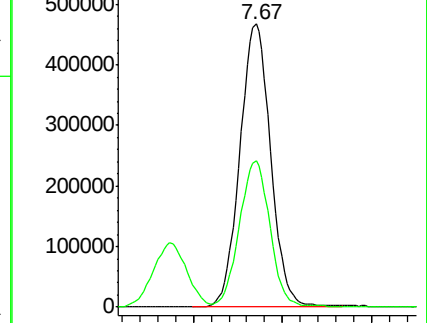
168 100

99 51.3 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: 19.33 ug/l

RT: 1.85 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN049798.D

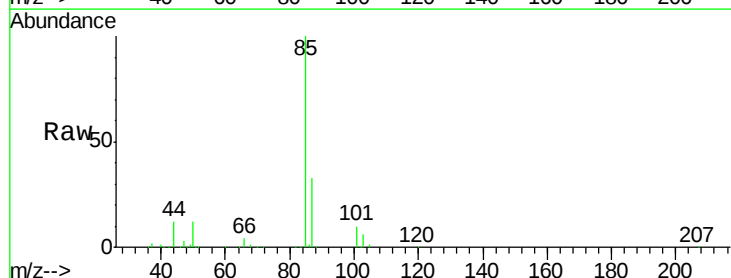
Acq: 13 Jul 2018 15:43

Tgt Ion: 85 Resp: 195596

Ion Ratio Lower Upper

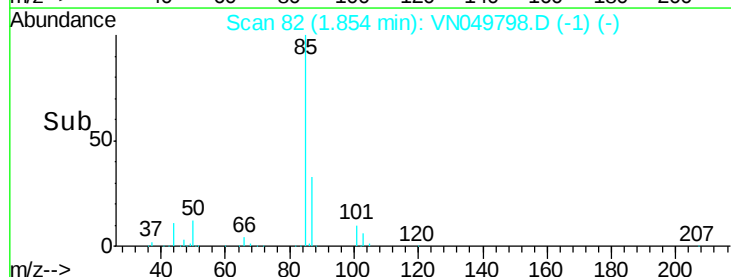
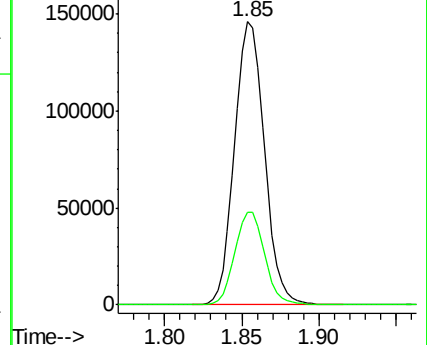
85 100

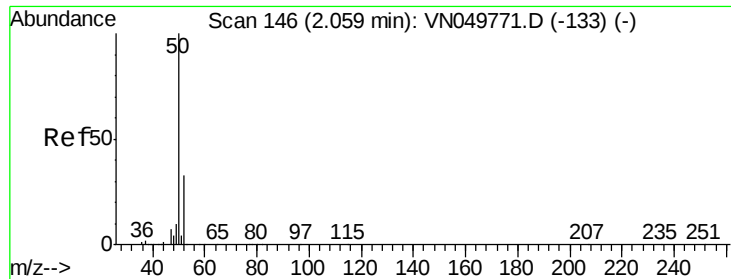
87 32.9 15.4 46.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 19.21 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN049798.D

Acq: 13 Jul 2018 15:43

Instrument :

MSVOA_N

ClientSampleId :

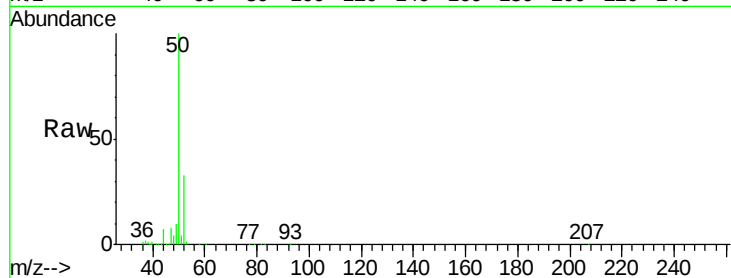
VN0713WBSD01

Tot Ion: 50 Resp: 256071

Ion Ratio Lower Upper

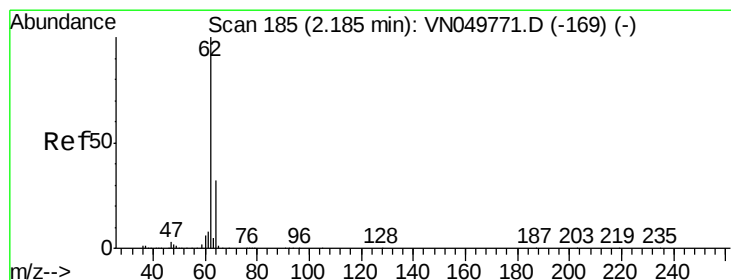
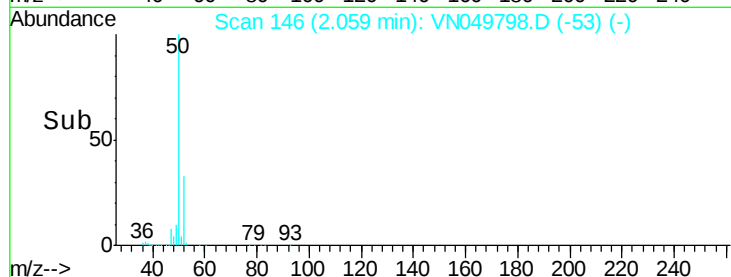
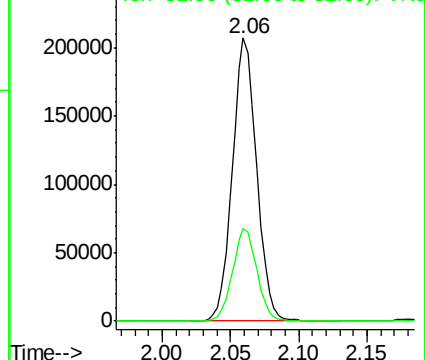
50 100

52 32.7 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 20.14 ug/l

RT: 2.18 min Scan# 185

Delta R.T. 0.00 min

Lab File: VN049798.D

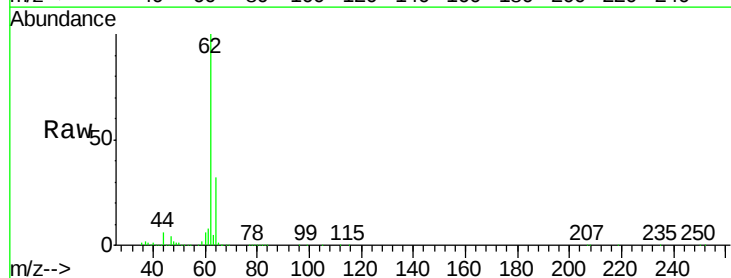
Acq: 13 Jul 2018 15:43

Tgt Ion: 62 Resp: 292104

Ion Ratio Lower Upper

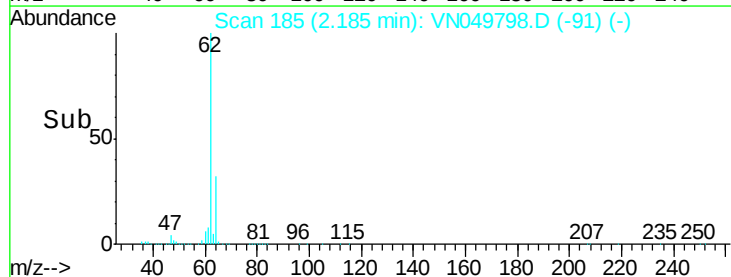
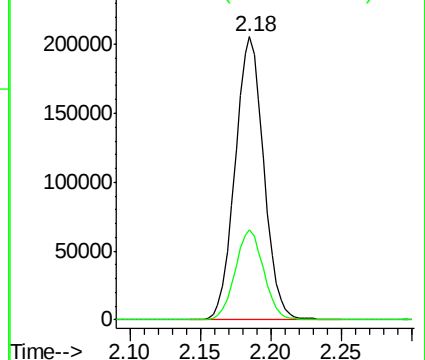
62 100

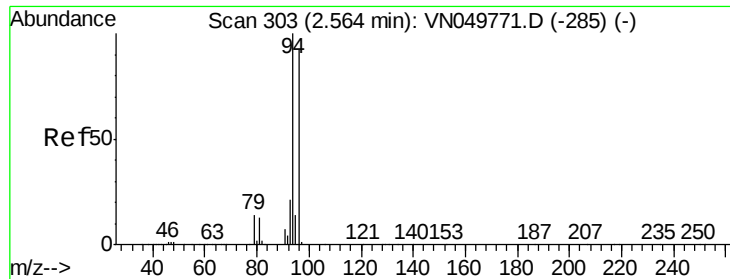
64 31.7 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC





#5

Bromomethane

Concen: 19.95 ug/l

RT: 2.57 min Scan# 304

Delta R.T. 0.00 min

Lab File: VN049798.D

Acq: 13 Jul 2018 15:43

Instrument :

MSVOA_N

ClientSampleId :

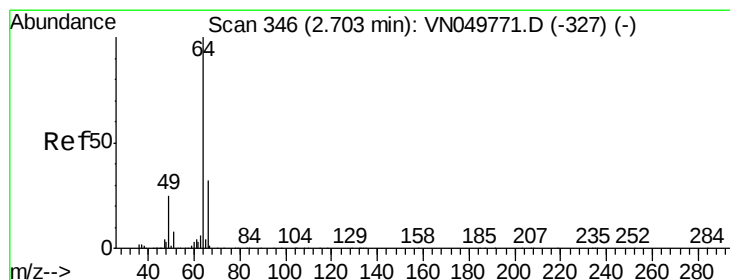
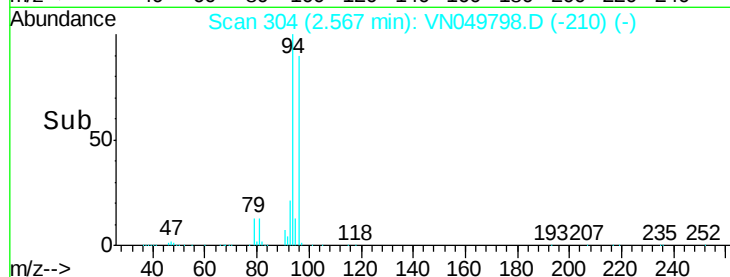
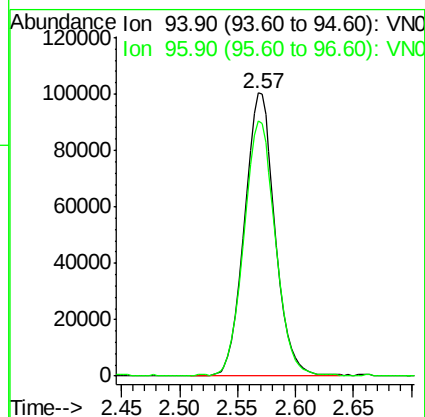
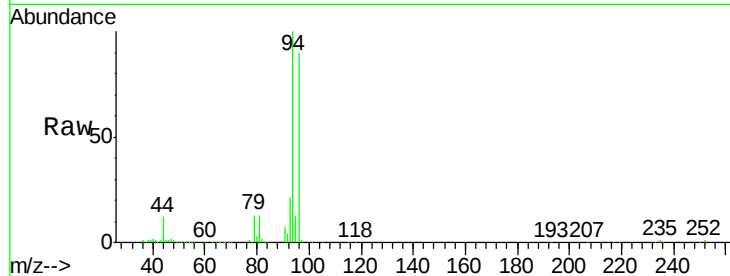
VN0713WBSD01

Tot Ion: 94 Resp: 182463

Ion Ratio Lower Upper

94 100

96 89.8 75.7 113.5



#6

Chloroethane

Concen: 19.10 ug/l

RT: 2.71 min Scan# 347

Delta R.T. 0.00 min

Lab File: VN049798.D

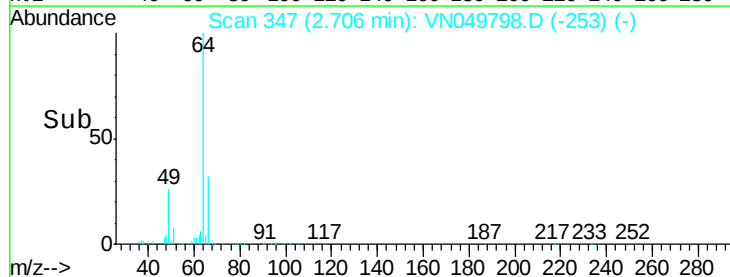
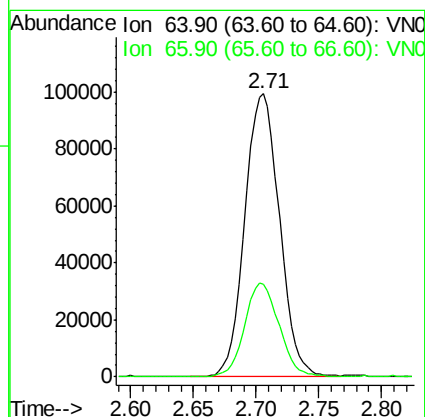
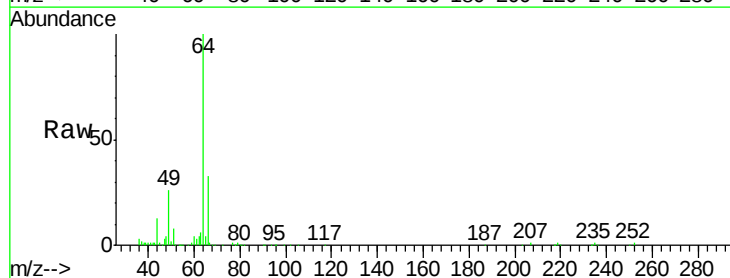
Acq: 13 Jul 2018 15:43

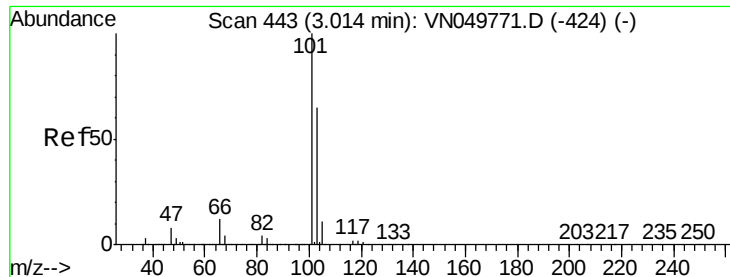
Tgt Ion: 64 Resp: 190591

Ion Ratio Lower Upper

64 100

66 32.3 25.6 38.4





#7

Trichlorofluoromethane

Concen: 19.21 ug/l

RT: 3.02 min Scan# 444

Delta R.T. 0.00 min

Lab File: VN049798.D

Acq: 13 Jul 2018 15:43

Instrument :

MSVOA_N

ClientSampleId :

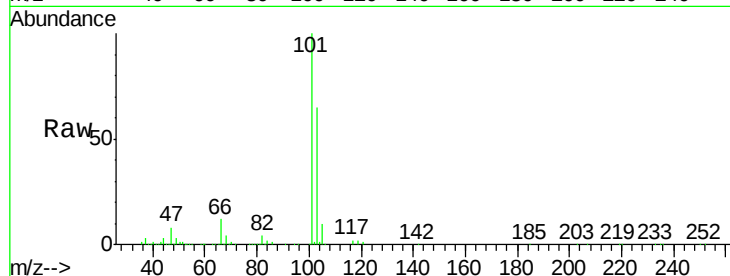
VN0713WBSD01

Tot Ion:101 Resp: 408668

Ion Ratio Lower Upper

101 100

103 64.9 52.8 79.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

3.02

200000

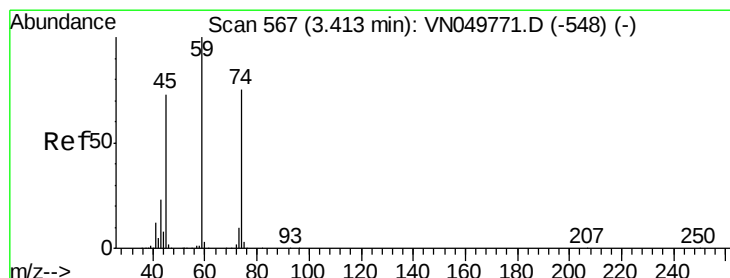
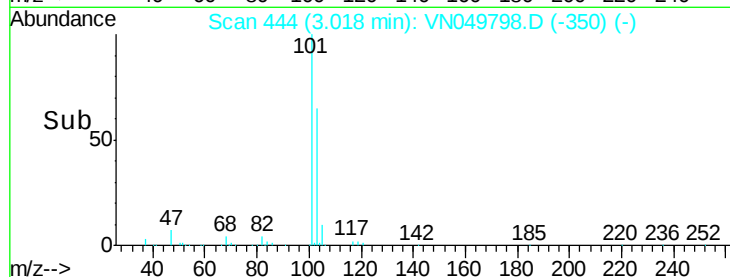
150000

100000

50000

0

Time--> 2.90 2.95 3.00 3.05 3.10



#8

Diethyl Ether

Concen: 18.70 ug/l

RT: 3.42 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN049798.D

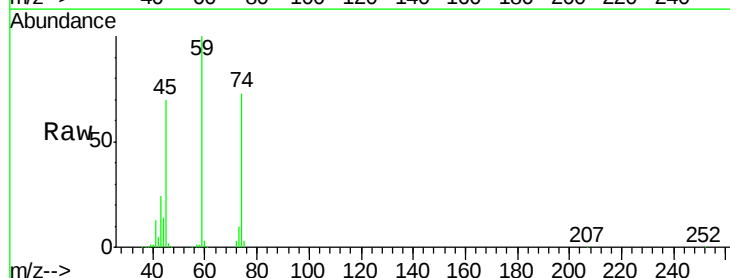
Acq: 13 Jul 2018 15:43

Tgt Ion: 74 Resp: 142547

Ion Ratio Lower Upper

74 100

45 96.6 48.4 145.2



Abundance Ion 74.00 (73.70 to 74.70): V

Ion 45.00 (44.70 to 45.70): V

3.42

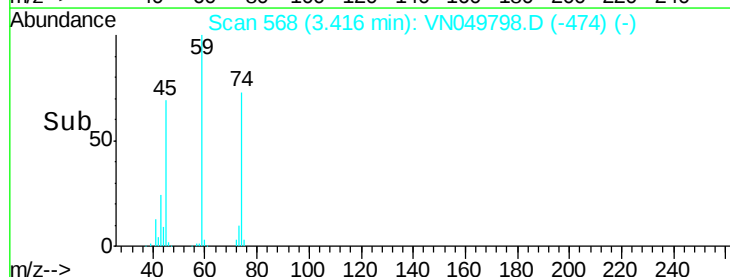
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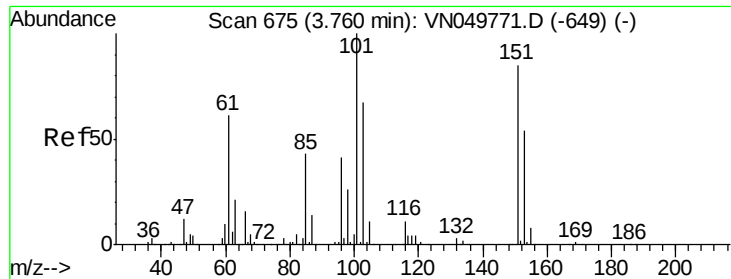
40000

20000

0

Time--> 3.30 3.35 3.40 3.45 3.50





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.09 ug/l

RT: 3.76 min Scan# 675

Delta R.T. 0.00 min

Lab File: VN049798.D

Acq: 13 Jul 2018 15:43

Instrument :

MSVOA_N

ClientSampleId :

VN0713WBSD01

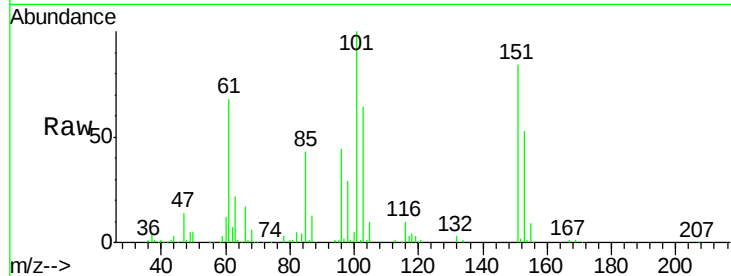
Tot Ion:101 Resp: 263585

Ion Ratio Lower Upper

101 100

85 42.7 34.4 51.6

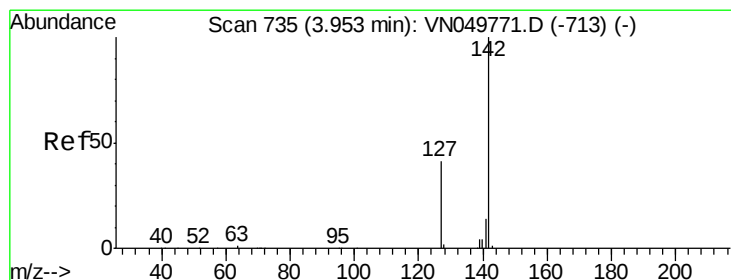
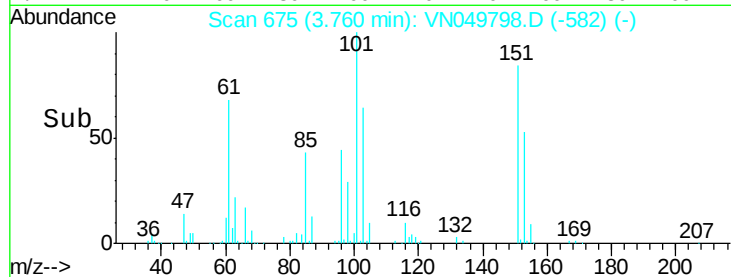
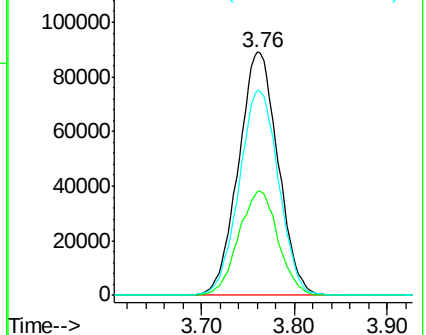
151 84.3 66.2 99.4



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: 19.24 ug/l

RT: 3.96 min Scan# 736

Delta R.T. 0.00 min

Lab File: VN049798.D

Acq: 13 Jul 2018 15:43

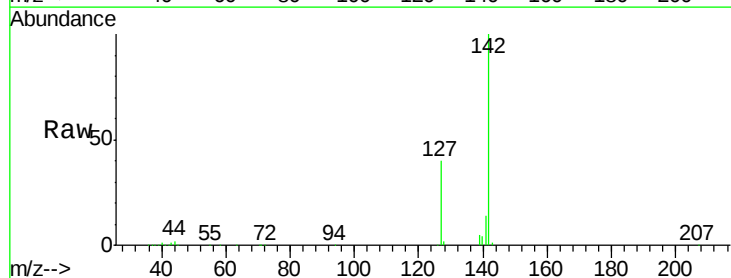
Tgt Ion:142 Resp: 337628

Ion Ratio Lower Upper

142 100

127 40.5 32.5 48.7

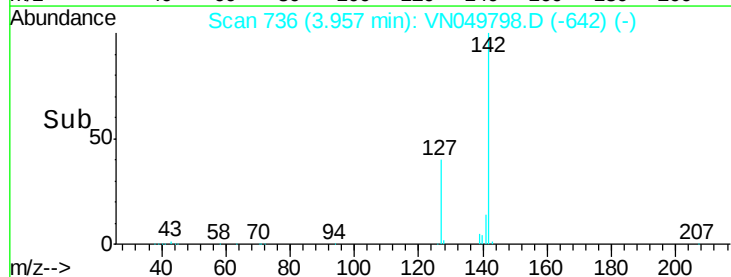
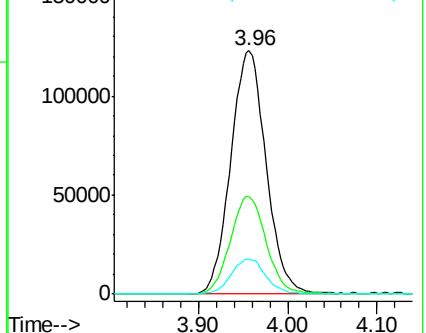
141 14.1 11.1 16.7

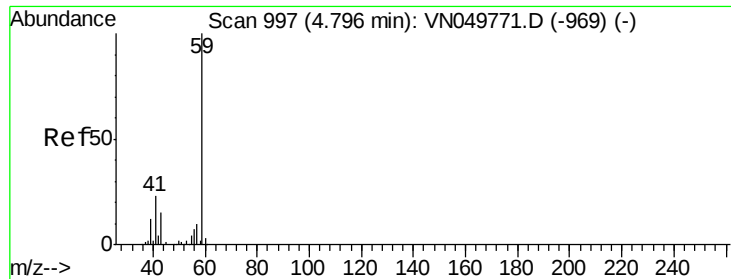


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

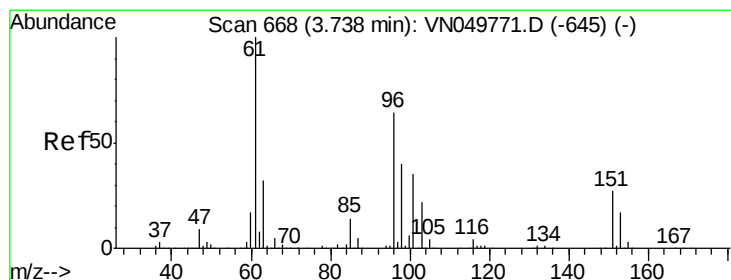
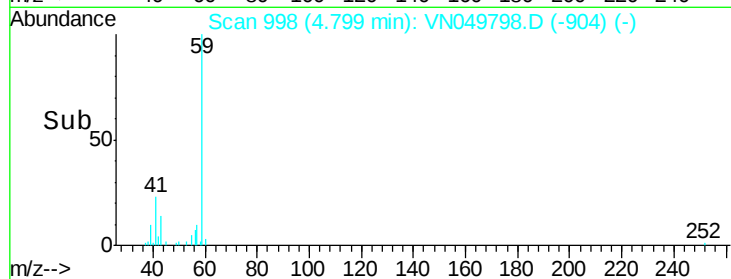
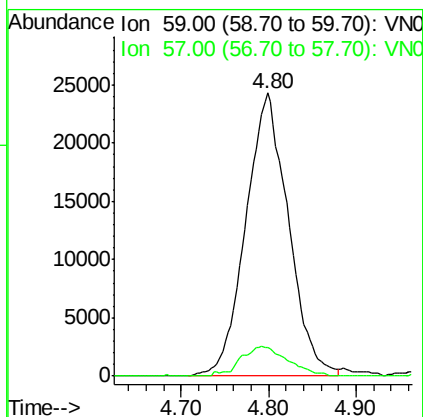
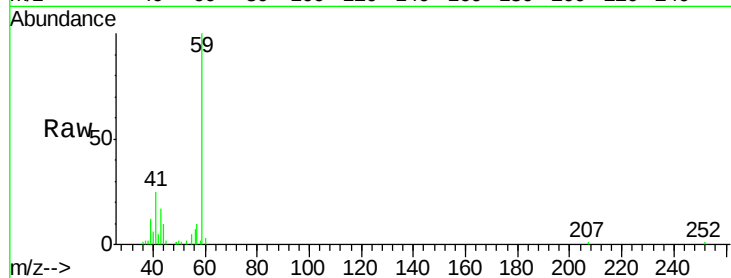




#11
Tert butyl alcohol
Concen: 94.01 ug/l
RT: 4.80 min Scan# 998
Delta R.T. 0.00 min
Lab File: VN049798.D
Acq: 13 Jul 2018 15:43

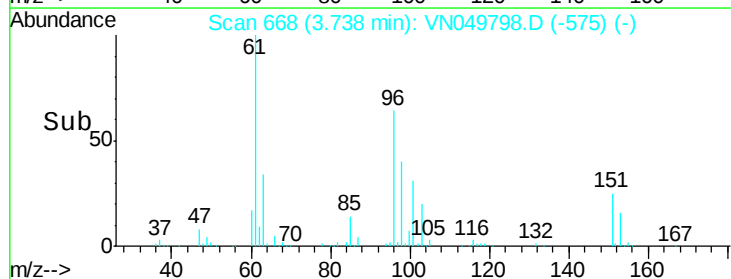
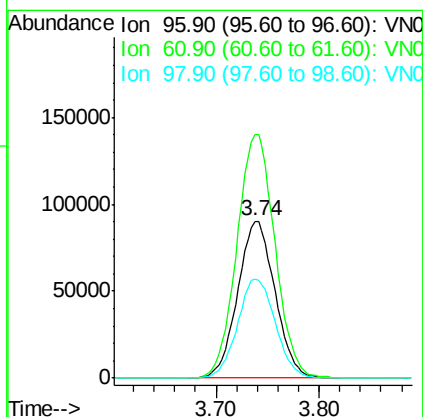
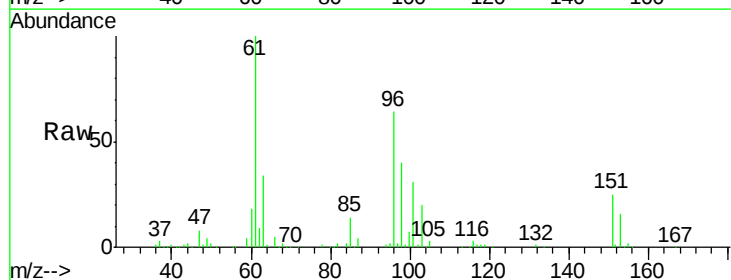
Instrument :
MSVOA_N
ClientSampled :
VN0713WBSD01

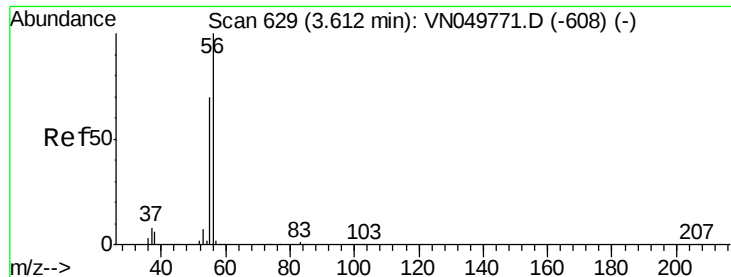
Tot Ion: 59 Resp: 82106
Ion Ratio Lower Upper
59 100
57 11.1 8.5 12.7



#12
1,1-Dichloroethene
Concen: 18.67 ug/l
RT: 3.74 min Scan# 668
Delta R.T. 0.00 min
Lab File: VN049798.D
Acq: 13 Jul 2018 15:43

Tgt Ion: 96 Resp: 226519
Ion Ratio Lower Upper
96 100
61 155.5 126.5 189.7
98 63.0 51.0 76.6





#13

Acrolein

Concen: 86.63 ug/l

RT: 3.61 min Scan# 629

Delta R.T. 0.00 min

Lab File: VN049798.D

Acq: 13 Jul 2018 15:43

Instrument :

MSVOA_N

ClientSampleId :

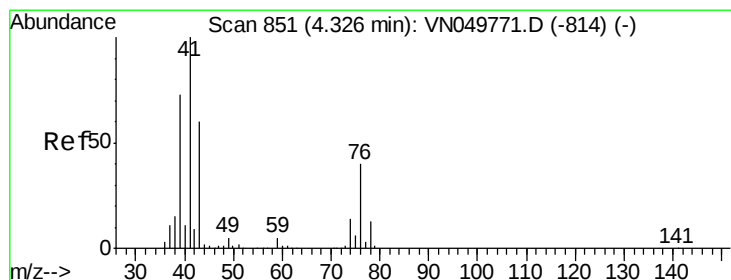
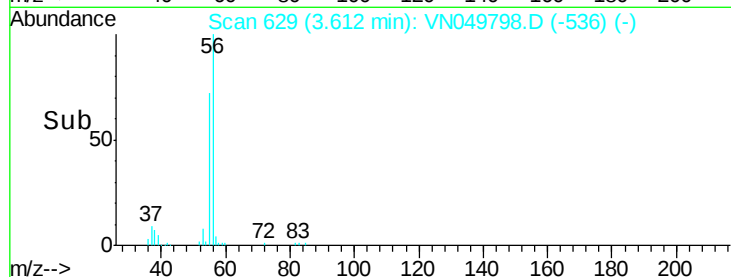
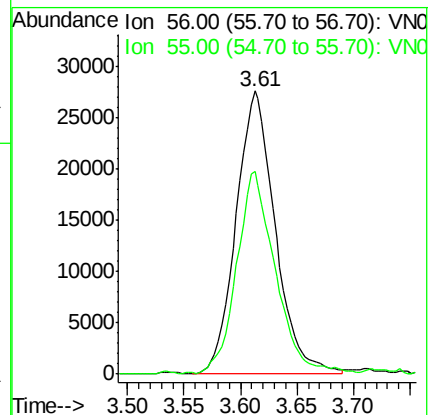
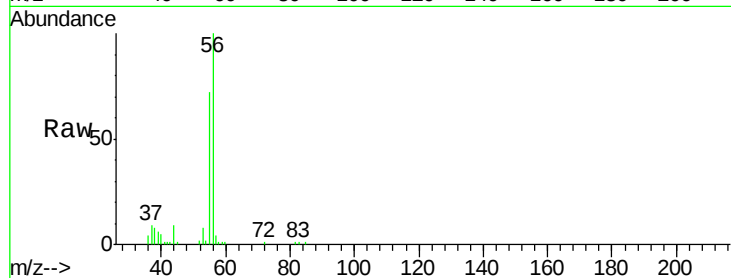
VN0713WBSD01

Tot Ion: 56 Resp: 66455

Ion Ratio Lower Upper

56 100

55 71.2 55.8 83.8



#14

Allyl chloride

Concen: 18.48 ug/l

RT: 4.33 min Scan# 851

Delta R.T. 0.00 min

Lab File: VN049798.D

Acq: 13 Jul 2018 15:43

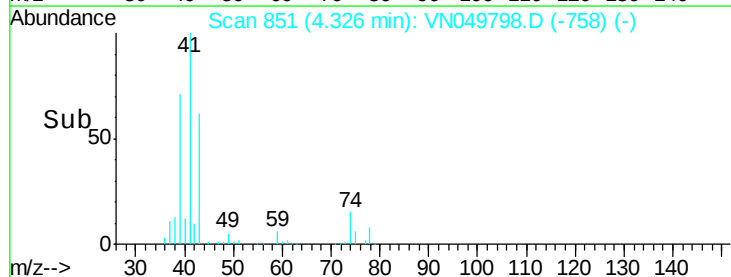
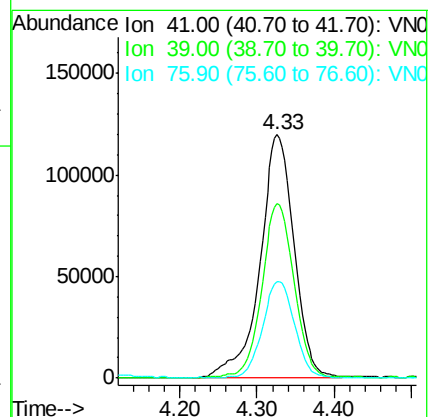
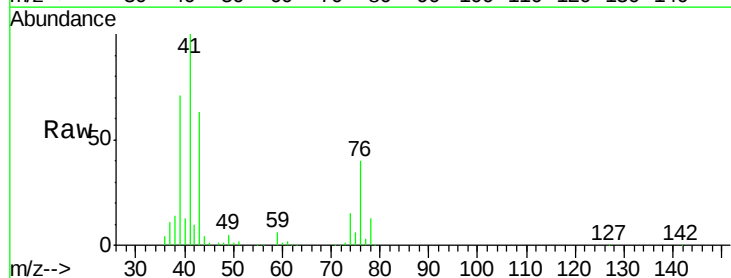
Tgt Ion: 41 Resp: 365889

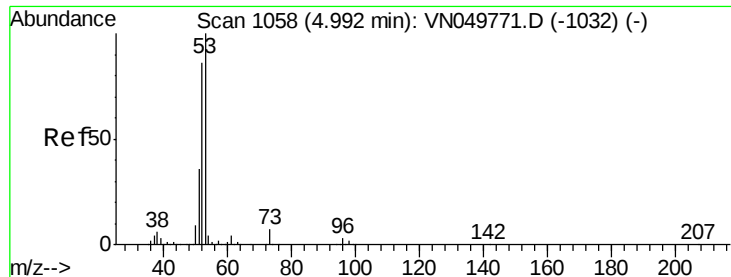
Ion Ratio Lower Upper

41 100

39 68.2 53.2 79.8

76 36.8 29.0 43.6

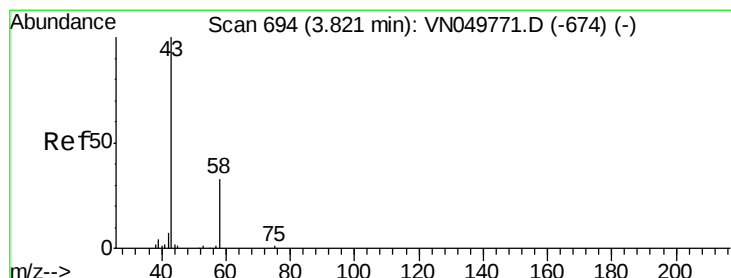
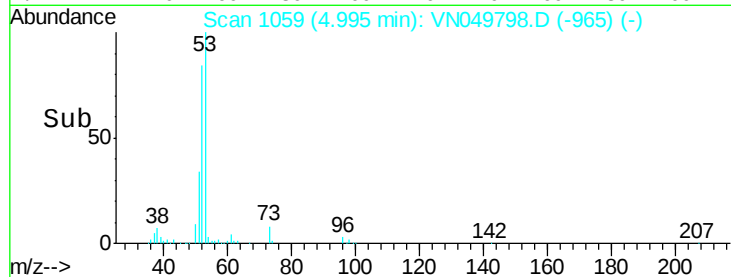
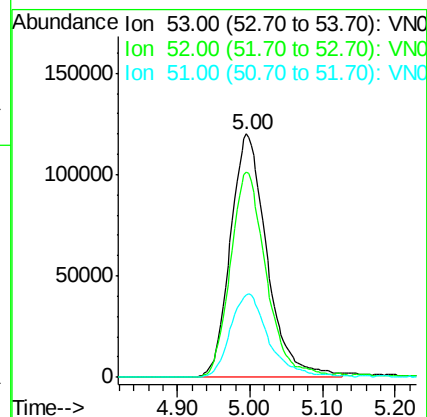
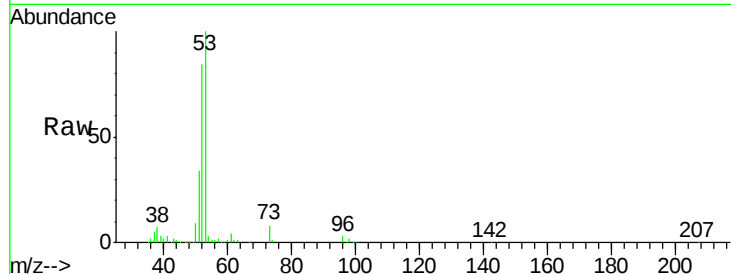




#15
 Acrylonitrile
 Concen: 96.13 ug/l
 RT: 5.00 min Scan# 1059
 Delta R.T. 0.00 min
 Lab File: VN049798.D
 Acq: 13 Jul 2018 15:43

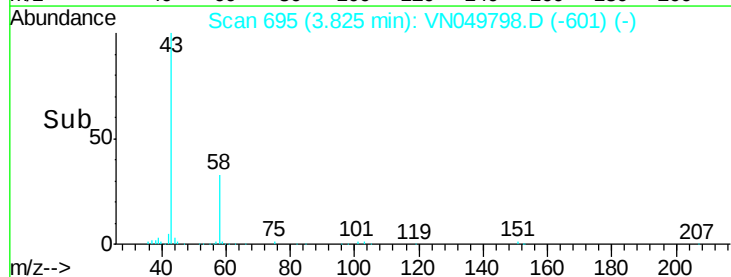
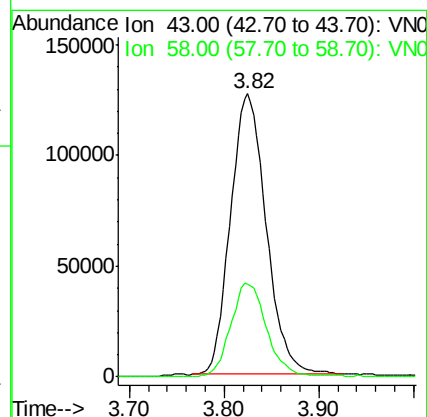
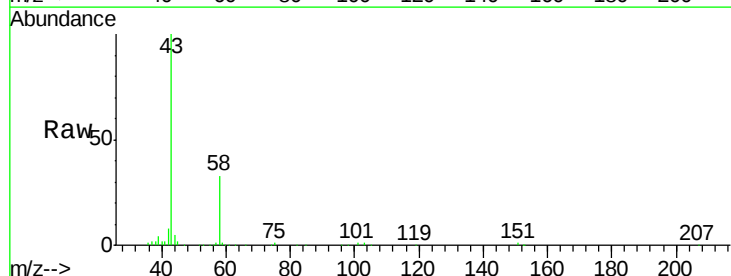
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0713WBSD01

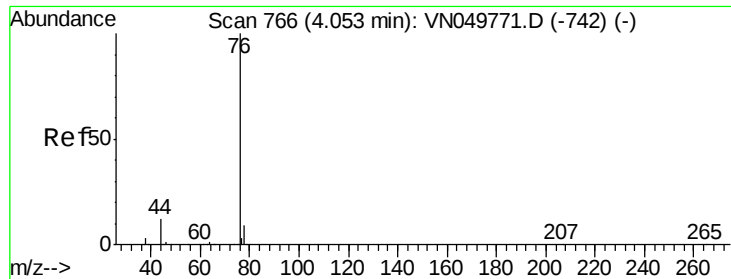
Tot Ion	53	Resp	420465
Ion	Ratio	Lower	Upper
53	100		
52	82.6	64.8	97.2
51	35.5	28.9	43.3



#16
 Acetone
 Concen: 102.23 ug/l
 RT: 3.82 min Scan# 695
 Delta R.T. 0.00 min
 Lab File: VN049798.D
 Acq: 13 Jul 2018 15:43

Tgt Ion	43	Resp	332274
Ion	Ratio	Lower	Upper
43	100		
58	33.1	25.9	38.9

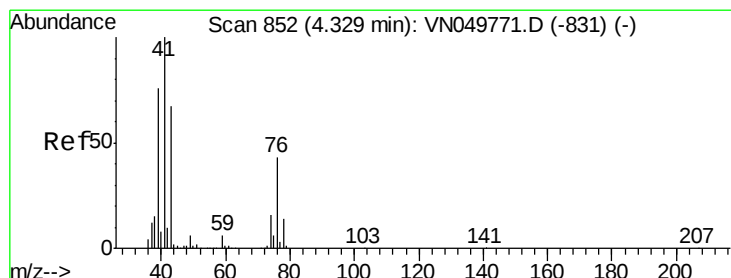
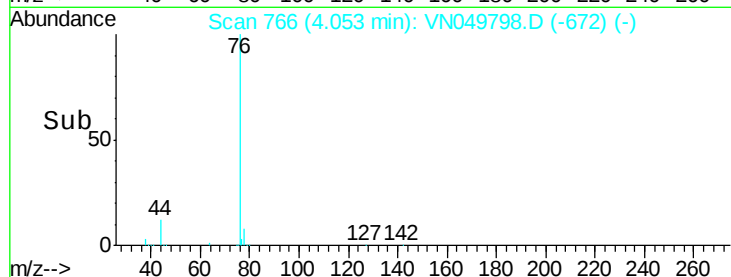
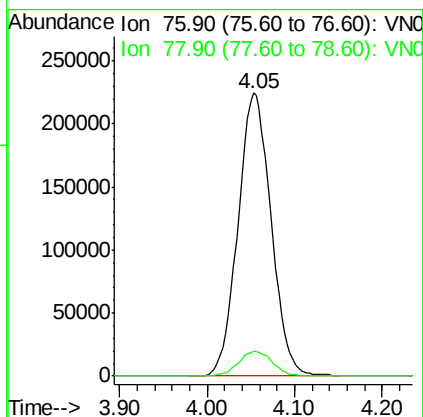
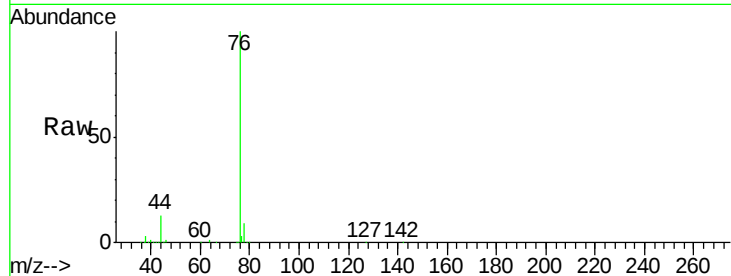




#17
Carbon Disulfide
Concen: 18.69 ug/l
RT: 4.05 min Scan# 766
Delta R.T. 0.00 min
Lab File: VN049798.D
Acq: 13 Jul 2018 15:43

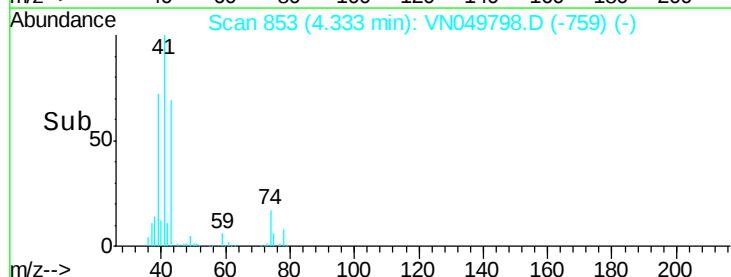
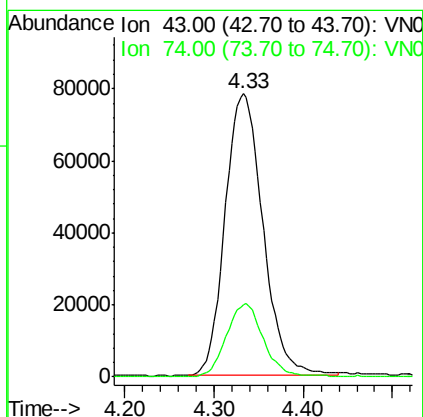
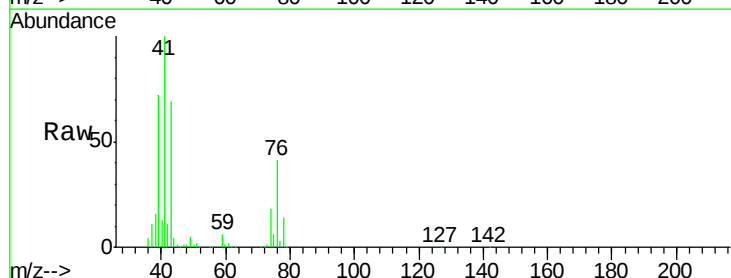
Instrument :
MSVOA_N
ClientSampleId :
VN0713WBSD01

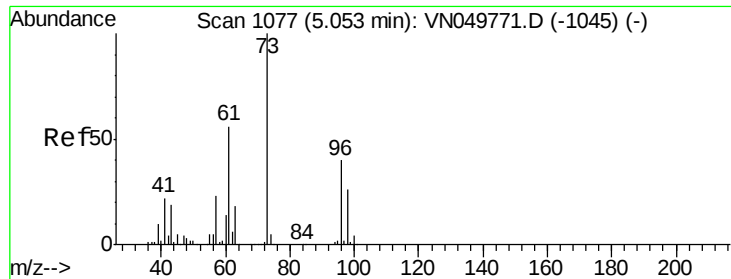
Tot Ion: 76 Resp: 589213
Ion Ratio Lower Upper
76 100
78 8.8 7.1 10.7



#18
Methyl Acetate
Concen: 20.62 ug/l
RT: 4.33 min Scan# 853
Delta R.T. 0.00 min
Lab File: VN049798.D
Acq: 13 Jul 2018 15:43

Tgt Ion: 43 Resp: 229465
Ion Ratio Lower Upper
43 100
74 25.4 19.8 29.8

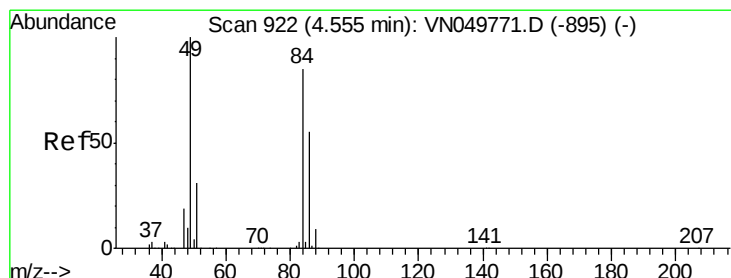
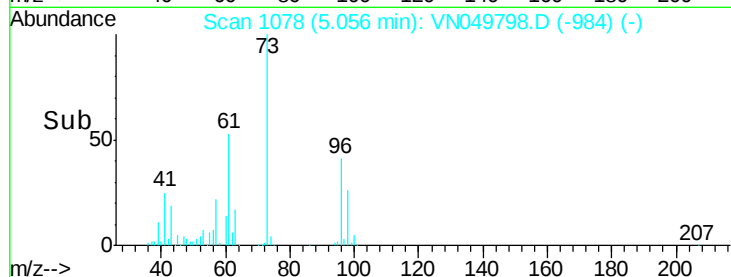
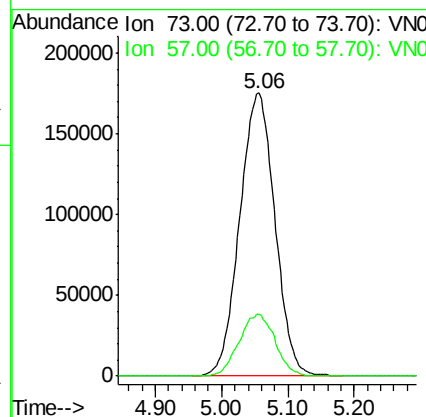
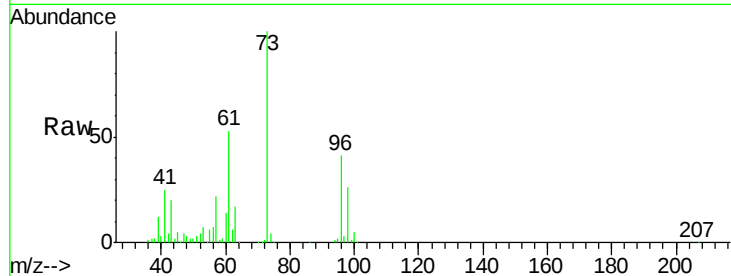




#19
Methvl tert-butvl Ether
Concen: 19.22 ug/l
RT: 5.06 min Scan# 1078
Delta R.T. 0.00 min
Lab File: VN049798.D
Acq: 13 Jul 2018 15:43

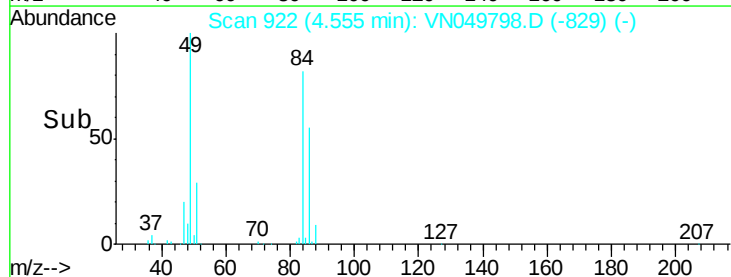
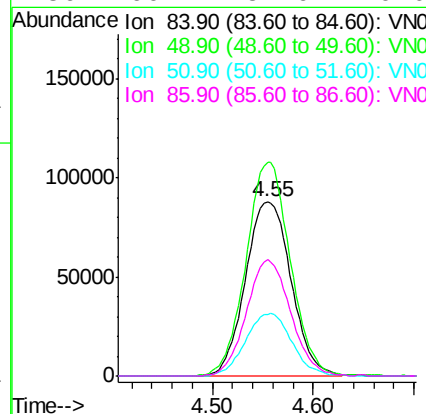
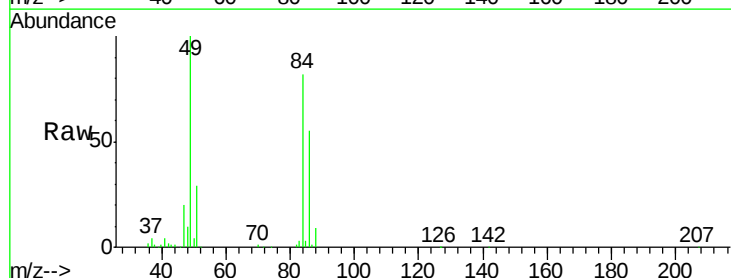
Instrument :
MSVOA_N
ClientSampleId :
VN0713WBSD01

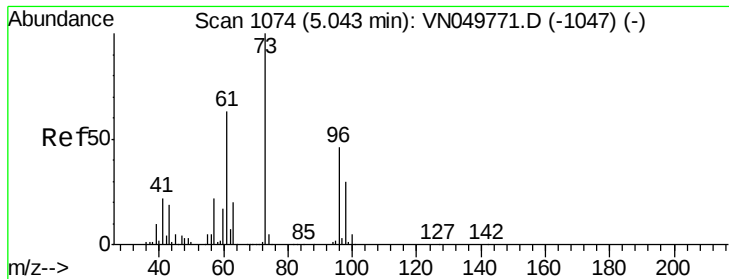
Tot Ion: 73 Resp: 646685
Ion Ratio Lower Upper
73 100
57 21.9 18.1 27.1



#20
Methylene Chloride
Concen: 20.07 ug/l
RT: 4.55 min Scan# 922
Delta R.T. 0.00 min
Lab File: VN049798.D
Acq: 13 Jul 2018 15:43

Tgt Ion: 84 Resp: 276087
Ion Ratio Lower Upper
84 100
49 122.2 95.4 143.2
51 35.4 28.4 42.6
86 66.7 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 18.57 ug/l

RT: 5.05 min Scan# 1075

Delta R.T. 0.00 min

Lab File: VN049798.D

Acq: 13 Jul 2018 15:43

Instrument :

MSVOA_N

ClientSampleId :

VN0713WBSD01

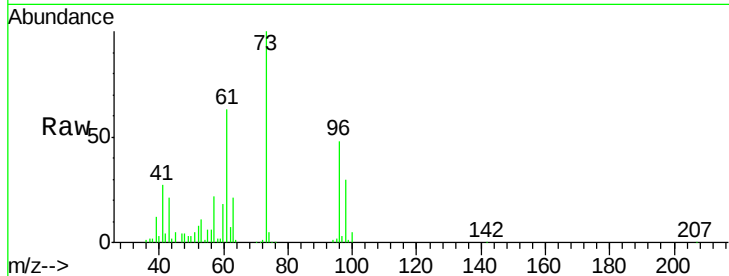
Tot Ion: 96 Resp: 246285

Ion Ratio Lower Upper

96 100

61 133.1 109.0 163.6

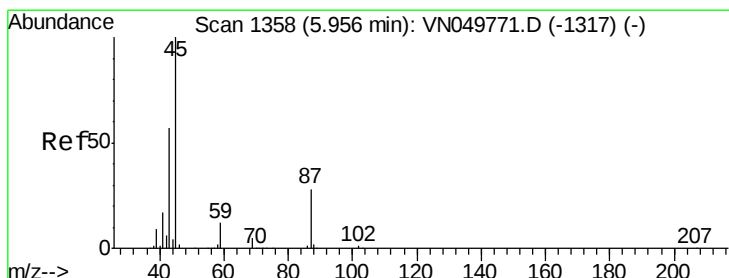
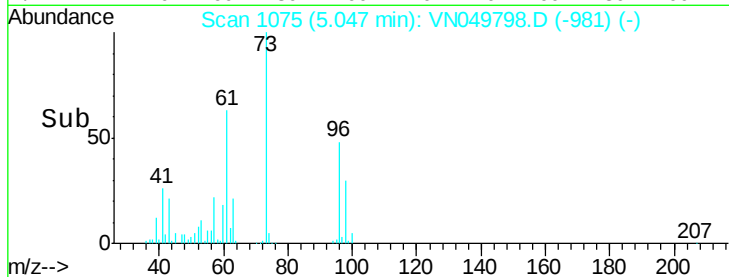
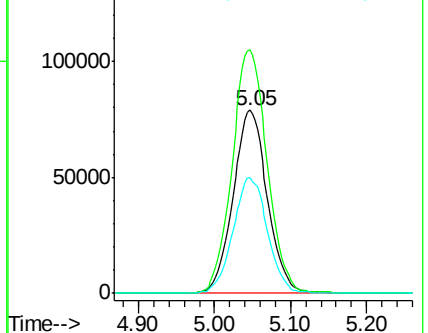
98 63.0 51.1 76.7



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 20.05 ug/l

RT: 5.96 min Scan# 1359

Delta R.T. 0.00 min

Lab File: VN049798.D

Acq: 13 Jul 2018 15:43

Tgt Ion: 45 Resp: 815202

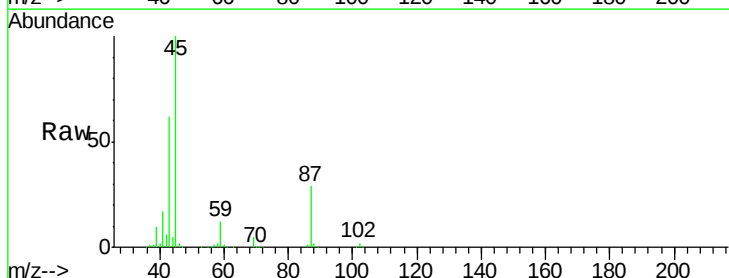
Ion Ratio Lower Upper

45 100

43 60.3 48.1 72.1

87 29.0 22.6 34.0

59 11.6 9.2 13.8

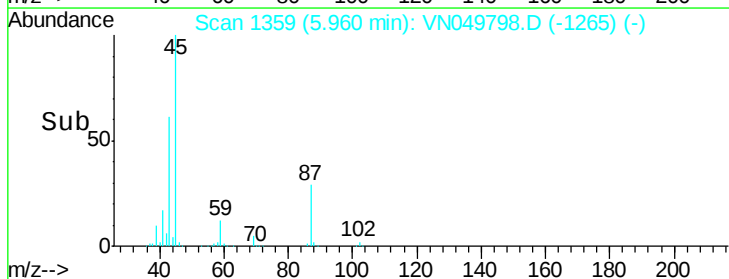
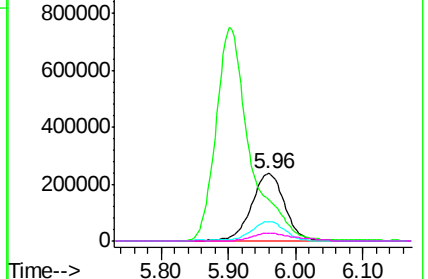


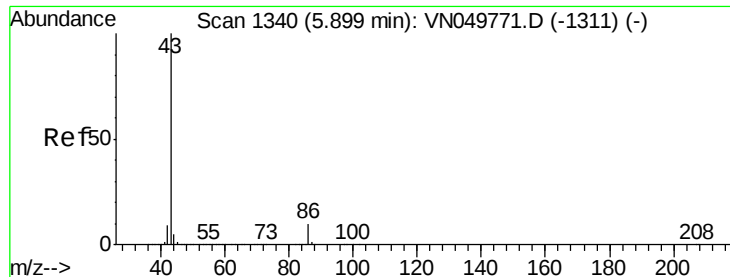
Abundance Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 96.74 ug/l

RT: 5.90 min Scan# 1341

Delta R.T. 0.00 min

Lab File: VN049798.D

Acq: 13 Jul 2018 15:43

Instrument :

MSVOA_N

ClientSampleId :

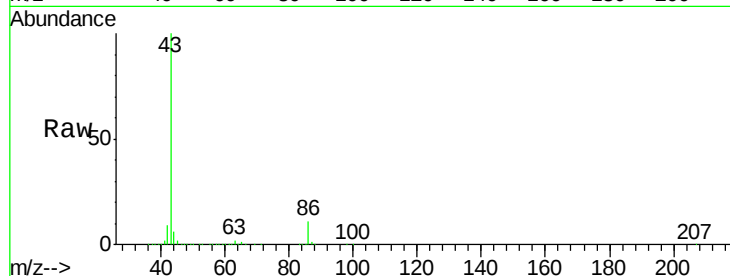
VN0713WBSD01

Tot Ion: 43 Resp: 2636439

Ion Ratio Lower Upper

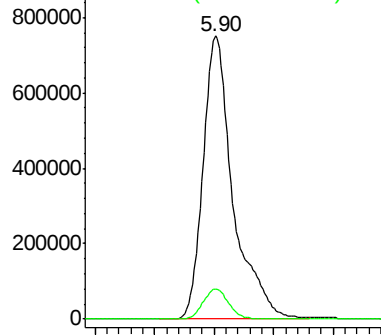
43 100

86 10.6 8.4 12.6

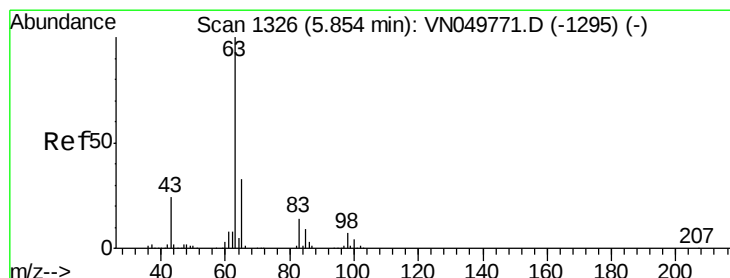
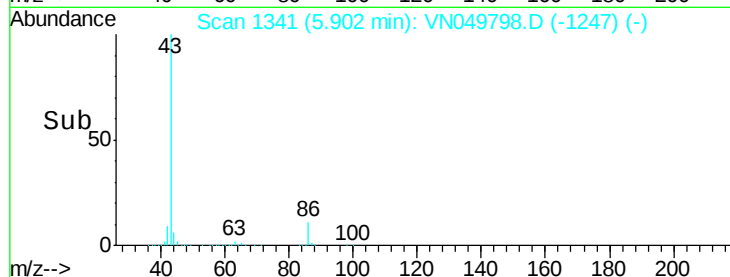


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



Time-->



#24

1,1-Dichloroethane

Concen: 19.48 ug/l

RT: 5.85 min Scan# 1326

Delta R.T. 0.00 min

Lab File: VN049798.D

Acq: 13 Jul 2018 15:43

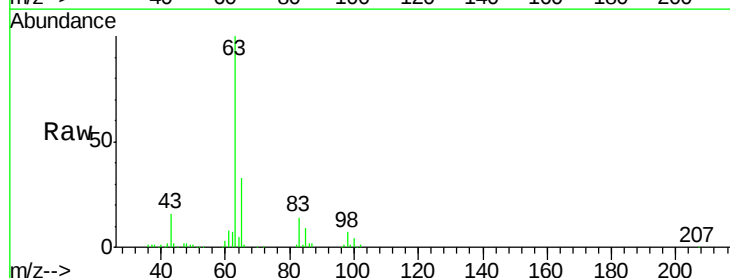
Tgt Ion: 63 Resp: 497553

Ion Ratio Lower Upper

63 100

98 6.6 3.4 10.2

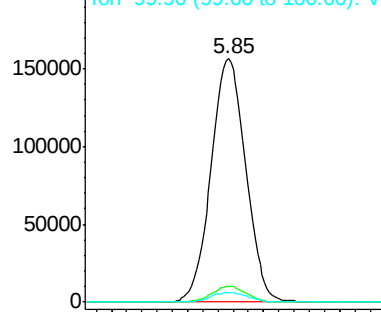
100 4.1 2.2 6.6



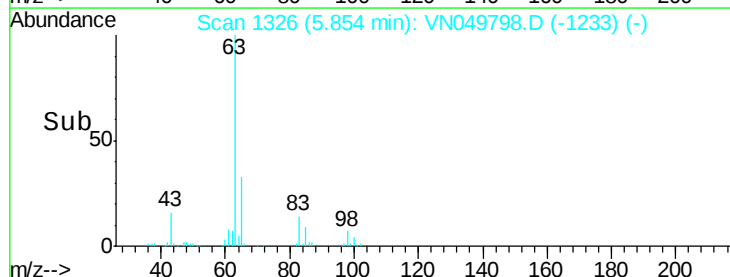
Abundance Ion 62.90 (62.60 to 63.60): VN0

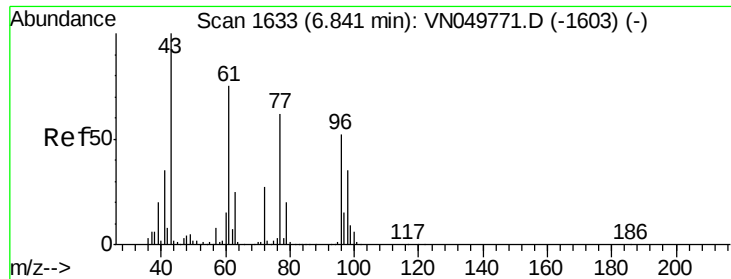
Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0



Time-->





#25

2-Butanone

Concen: 97.42 ug/l

RT: 6.84 min Scan# 1634

Delta R.T. 0.00 min

Lab File: VN049798.D

Acq: 13 Jul 2018 15:43

Instrument :

MSVOA_N

ClientSampleId :

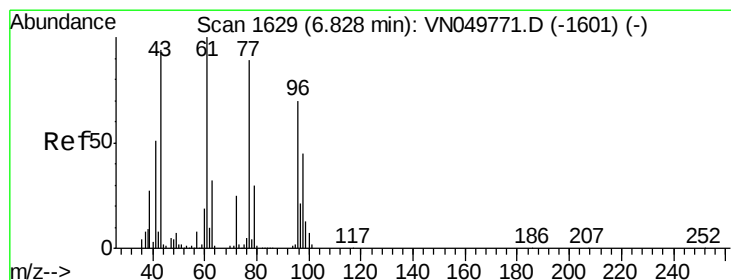
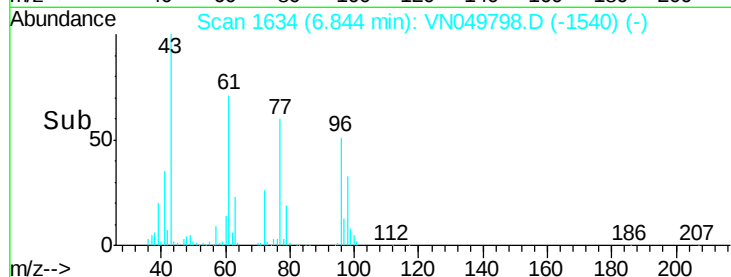
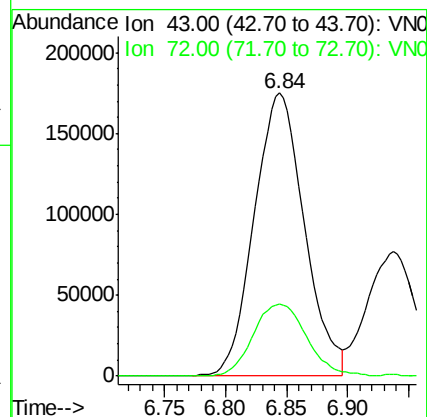
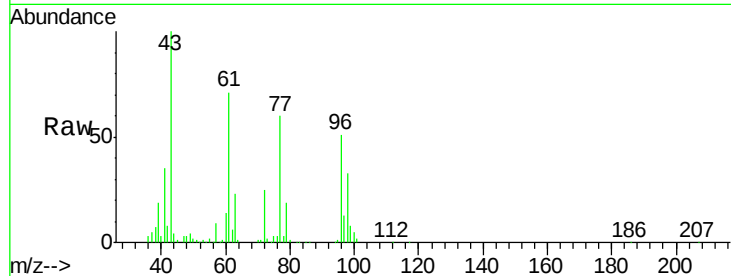
VN0713WBSD01

Tot Ion: 43 Resp: 495406

Ion Ratio Lower Upper

43 100

72 25.5 22.1 33.1



#26

2,2-Dichloropropane

Concen: 19.83 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VN049798.D

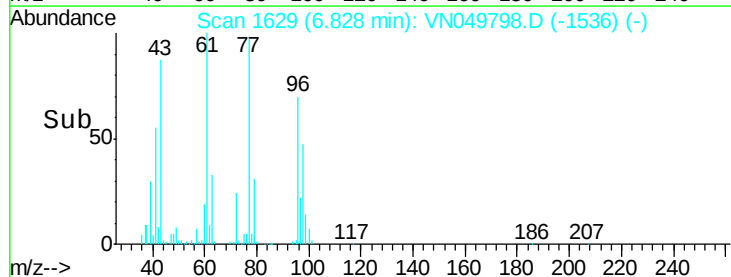
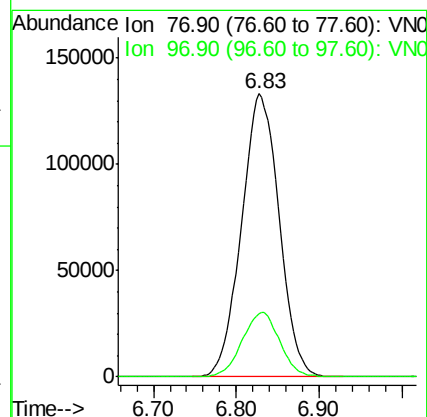
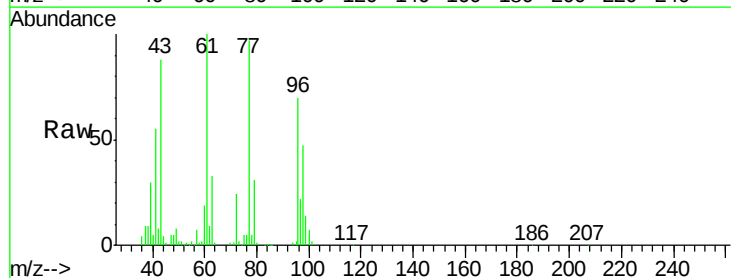
Acq: 13 Jul 2018 15:43

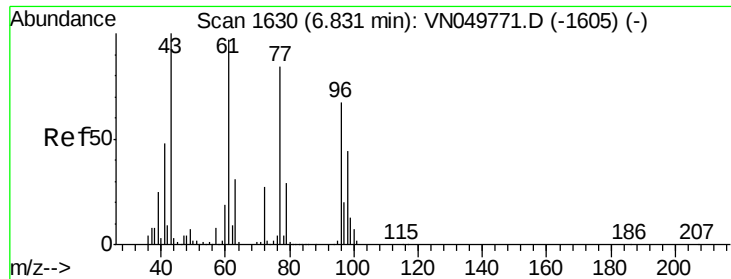
Tgt Ion: 77 Resp: 420486

Ion Ratio Lower Upper

77 100

97 22.7 11.9 35.5

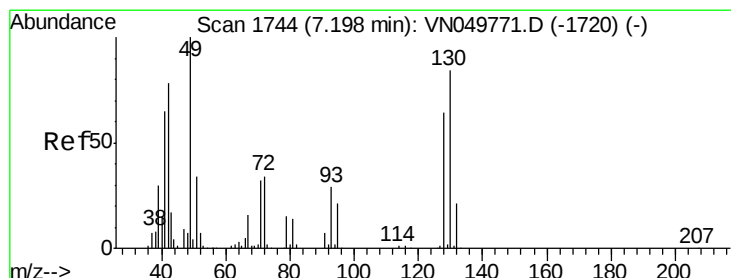
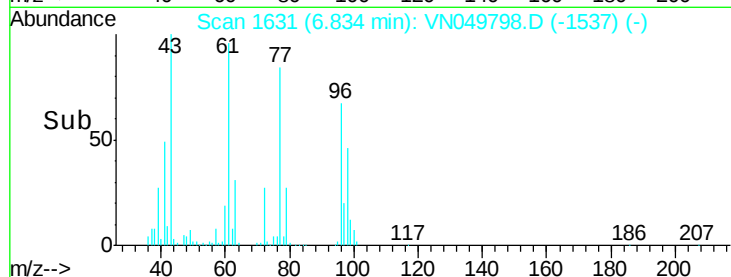
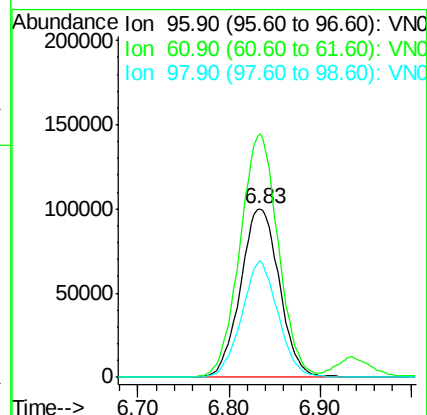
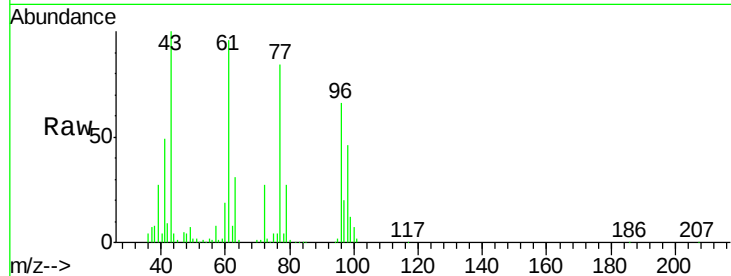




#27
 cis-1,2-Dichloroethene
 Concen: 19.58 ug/l
 RT: 6.83 min Scan# 1631
 Delta R.T. 0.00 min
 Lab File: VN049798.D
 Acq: 13 Jul 2018 15:43

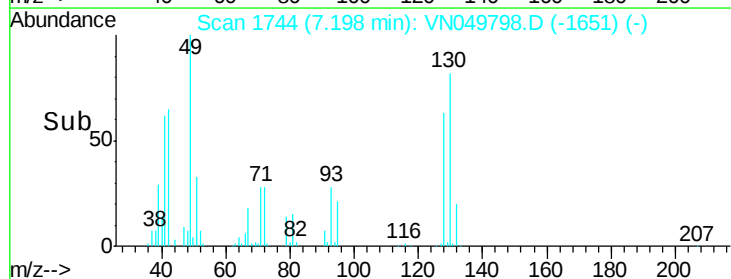
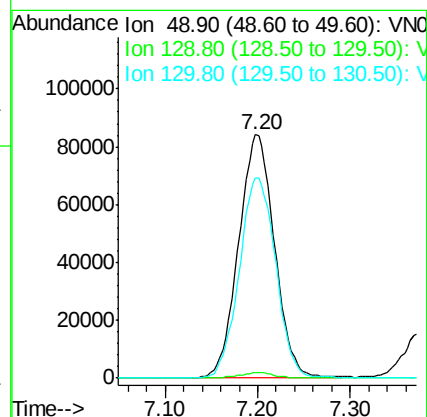
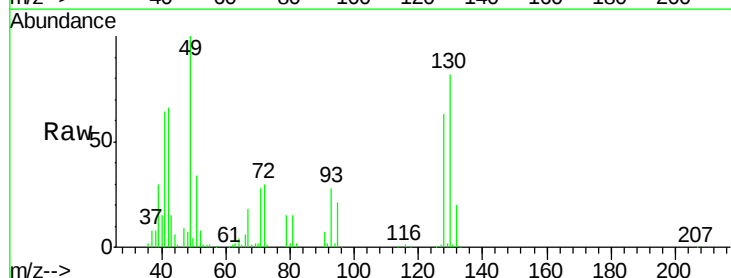
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0713WBSD01

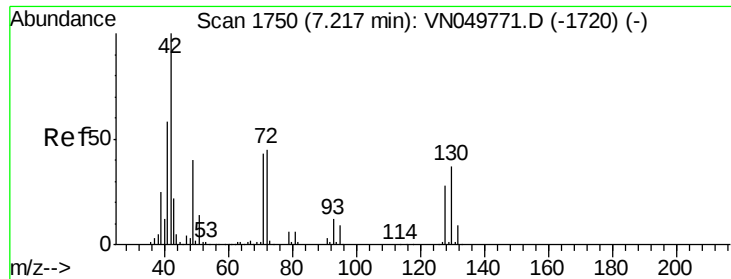
Tot Ion: 96 Resp: 296916
 Ion Ratio Lower Upper
 96 100
 61 142.2 0.0 289.0
 98 64.6 0.0 130.2



#28
 Bromochloromethane
 Concen: 19.45 ug/l
 RT: 7.20 min Scan# 1744
 Delta R.T. 0.00 min
 Lab File: VN049798.D
 Acq: 13 Jul 2018 15:43

Tgt Ion: 49 Resp: 225987
 Ion Ratio Lower Upper
 49 100
 129 2.1 0.0 4.2
 130 83.4 65.5 98.3

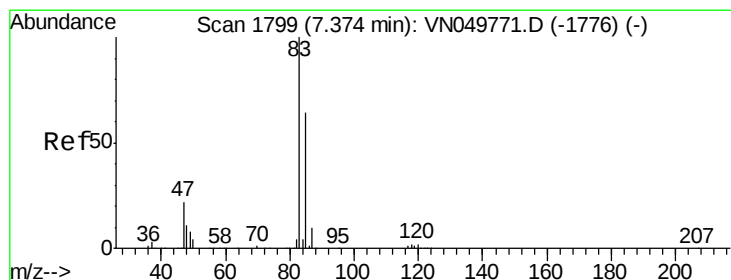
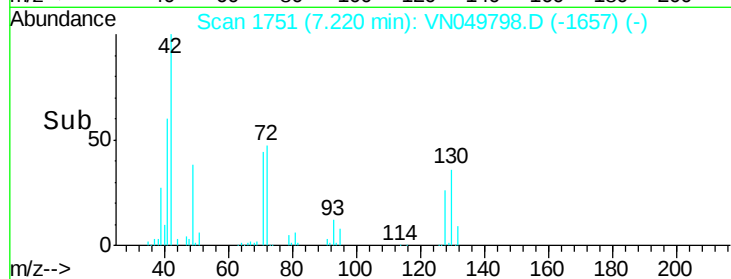
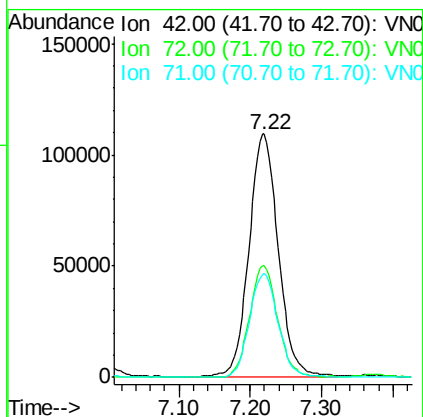
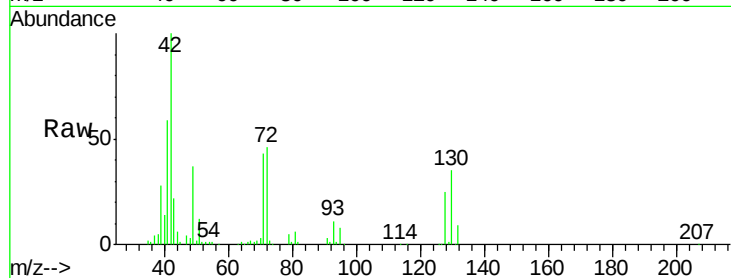




#29
Tetrahydrofuran
Concen: 96.95 ug/l
RT: 7.22 min Scan# 1751
Delta R.T. 0.00 min
Lab File: VN049798.D
Acq: 13 Jul 2018 15:43

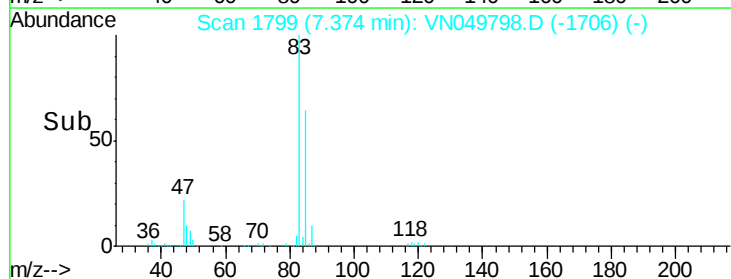
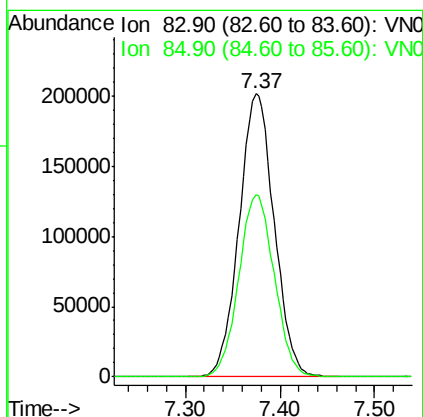
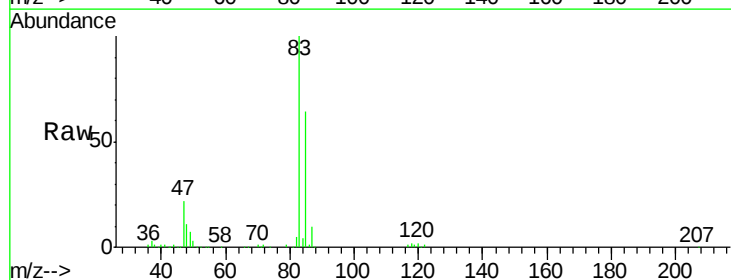
Instrument :
MSVOA_N
ClientSampled :
VN0713WBSD01

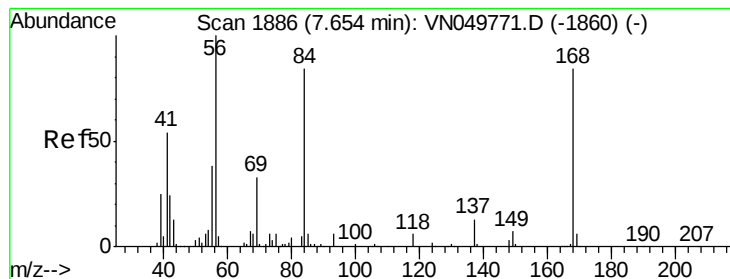
Tot Ion	Ratio	Lower	Upper
42	100		
72	44.4	35.6	53.4
71	41.9	34.0	51.0



#30
Chloroform
Concen: 19.71 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN049798.D
Acq: 13 Jul 2018 15:43

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.2	51.4	77.2





#31

Cyclohexane

Concen: 19.34 ug/l

RT: 7.66 min Scan# 1887

Delta R.T. 0.00 min

Lab File: VN049798.D

Acq: 13 Jul 2018 15:43

Instrument :

MSVOA_N

ClientSampleId :

VN0713WBSD01

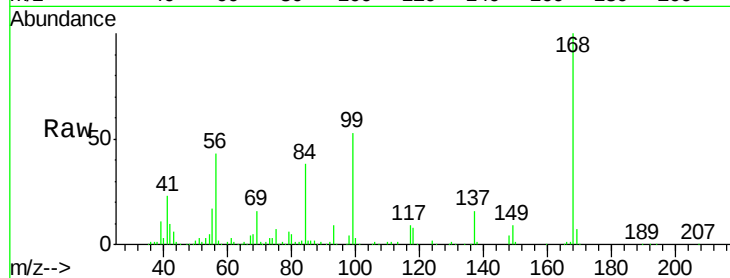
Tot Ion: 56 Resp: 396346

Ion Ratio Lower Upper

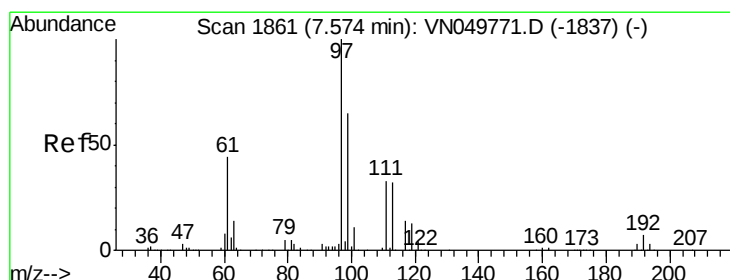
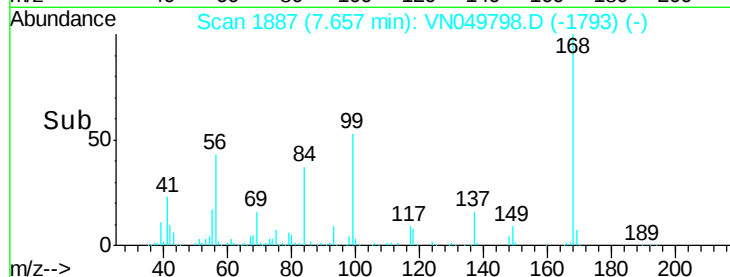
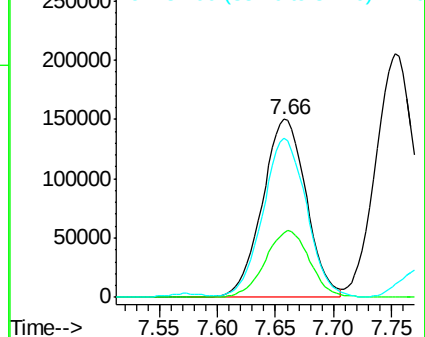
56 100

69 36.3 26.6 40.0

84 87.8 69.0 103.6



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



#32

1,1,1-Trichloroethane

Concen: 19.28 ug/l

RT: 7.57 min Scan# 1861

Delta R.T. 0.00 min

Lab File: VN049798.D

Acq: 13 Jul 2018 15:43

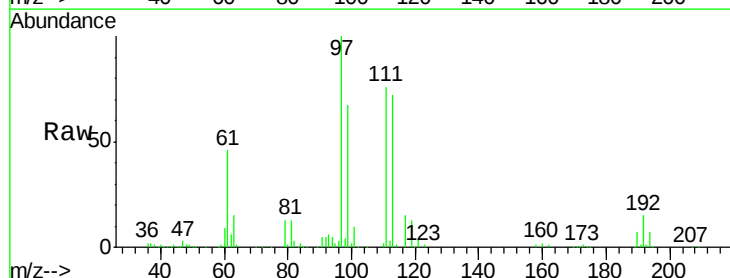
Tgt Ion: 97 Resp: 431052

Ion Ratio Lower Upper

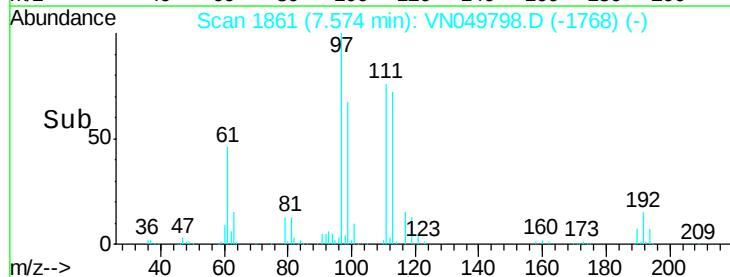
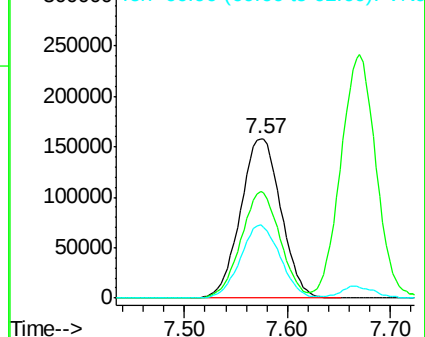
97 100

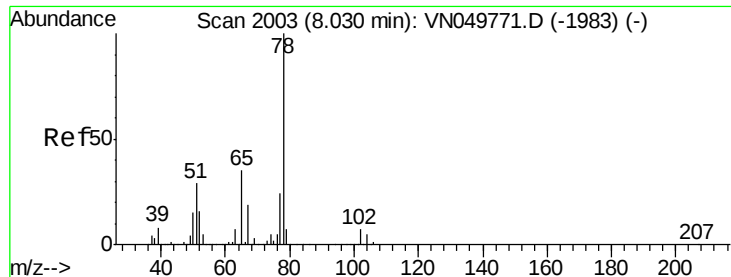
99 64.2 51.0 76.4

61 45.0 35.5 53.3



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





#33

1,2-Dichloroethane-d4

Concen: 49.32 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN049798.D

Acq: 13 Jul 2018 15:43

Instrument :

MSVOA_N

ClientSampleId :

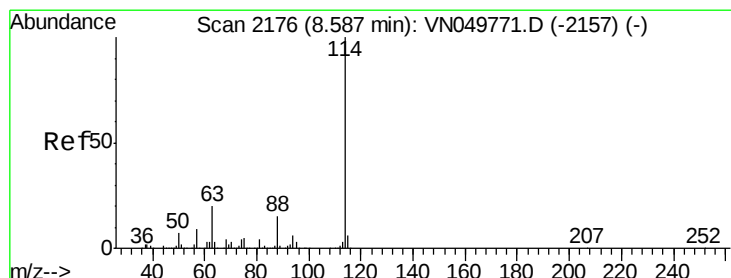
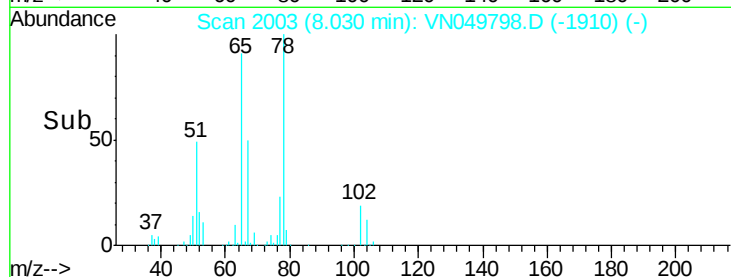
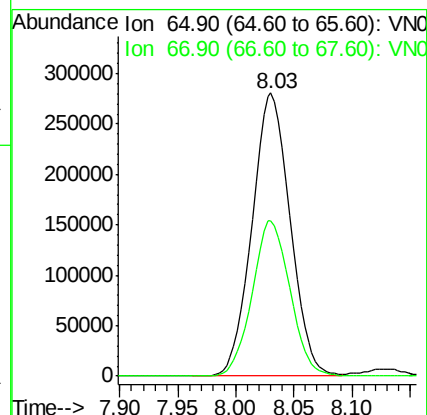
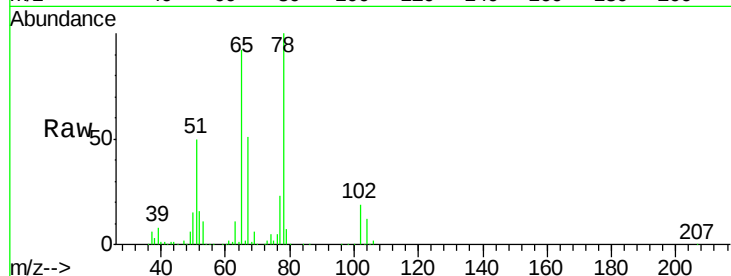
VN0713WBSD01

Tot Ion: 65 Resp: 643615

Ion Ratio Lower Upper

65 100

67 54.7 0.0 107.2



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2177

Delta R.T. 0.00 min

Lab File: VN049798.D

Acq: 13 Jul 2018 15:43

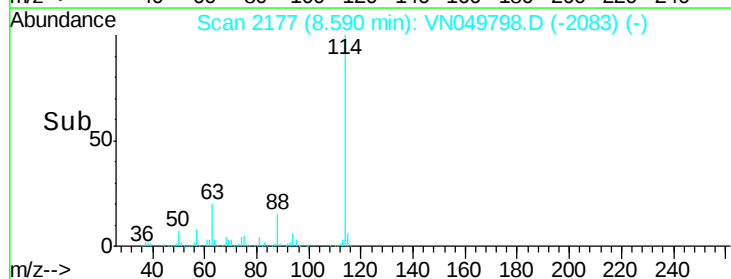
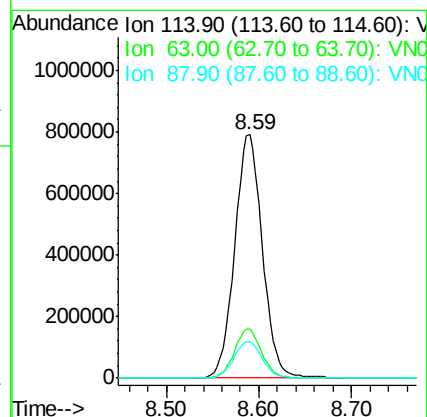
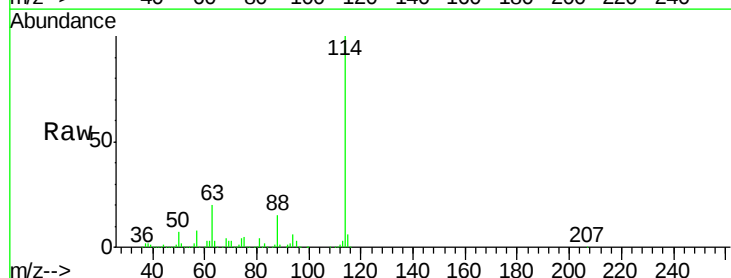
Tgt Ion: 114 Resp: 1638730

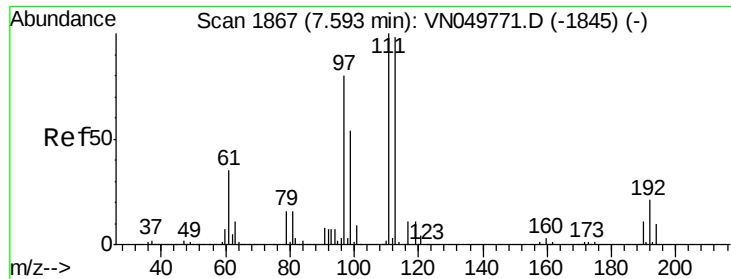
Ion Ratio Lower Upper

114 100

63 20.1 0.0 39.8

88 15.0 0.0 30.6

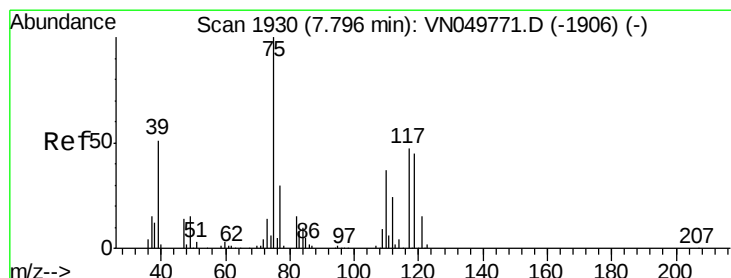
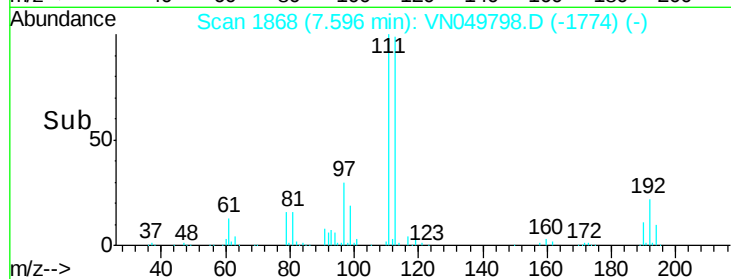
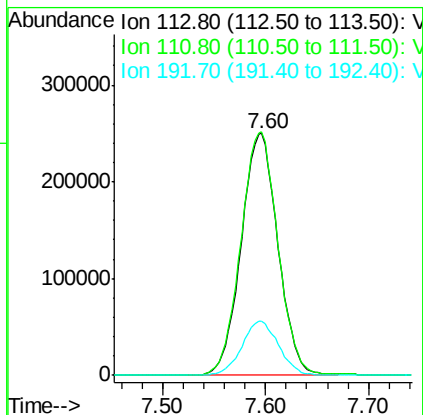
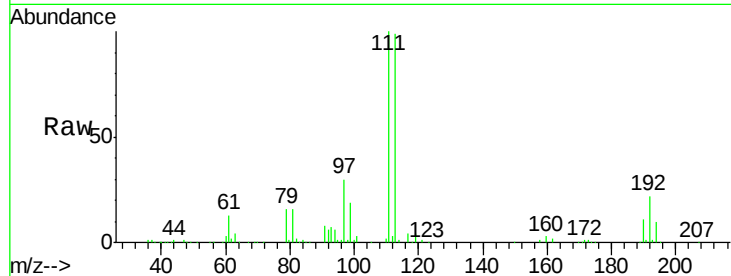




#35
 Dibromofluoromethane
 Concen: 50.07 ug/l
 RT: 7.60 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: VN049798.D
 Acq: 13 Jul 2018 15:43

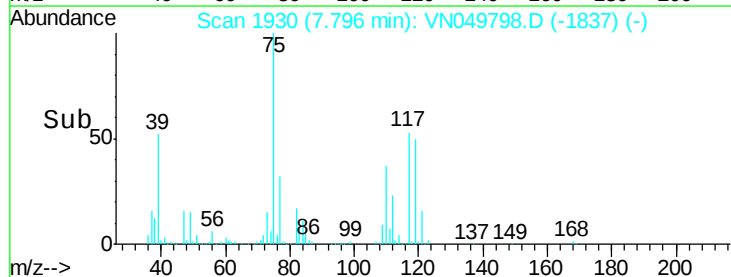
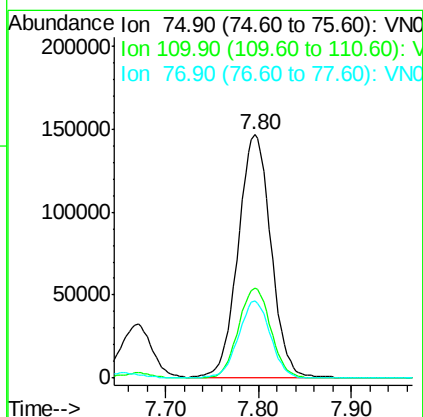
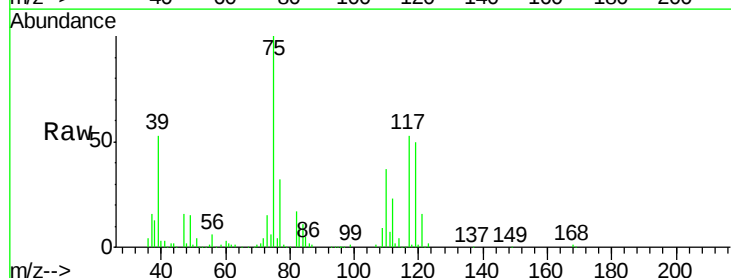
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0713WBSD01

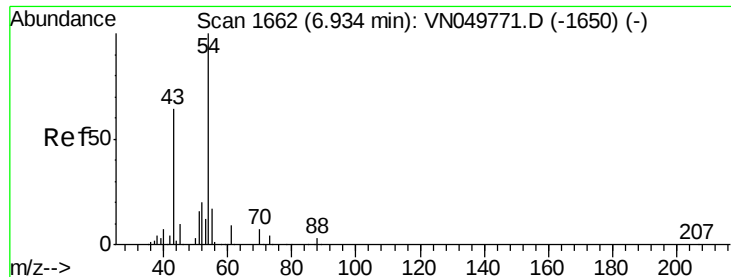
Tot Ion:113 Resp: 618450
 Ion Ratio Lower Upper
 113 100
 111 101.6 81.8 122.8
 192 22.4 17.8 26.6



#36
 1,1-Dichloropropene
 Concen: 18.96 ug/l
 RT: 7.80 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VN049798.D
 Acq: 13 Jul 2018 15:43

Tgt Ion: 75 Resp: 358115
 Ion Ratio Lower Upper
 75 100
 110 36.6 18.1 54.4
 77 31.2 24.9 37.3

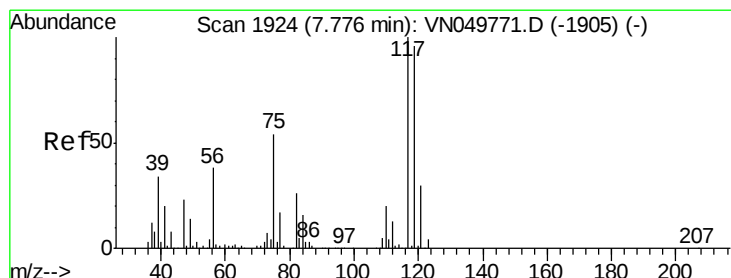
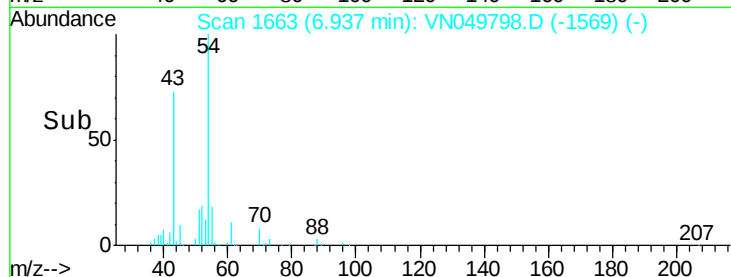
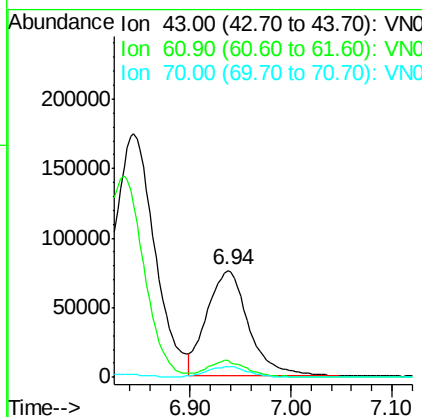
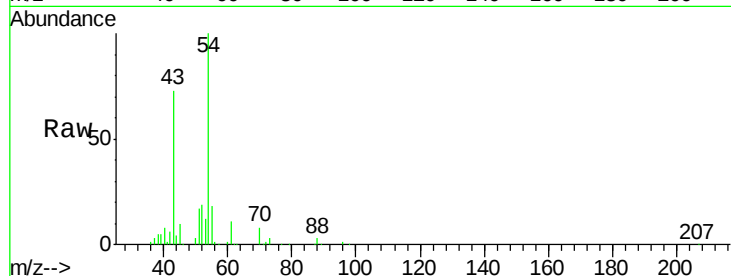




#37
Ethyl Acetate
Concen: 19.48 ug/l
RT: 6.94 min Scan# 1663
Delta R.T. 0.00 min
Lab File: VN049798.D
Acq: 13 Jul 2018 15:43

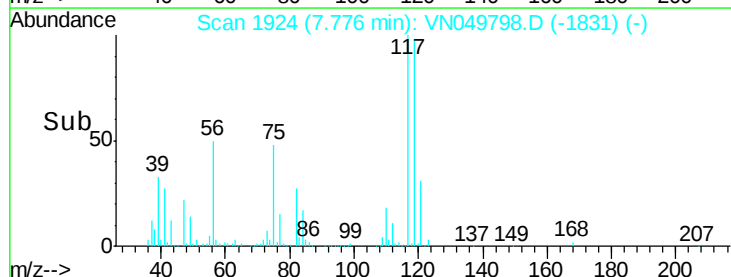
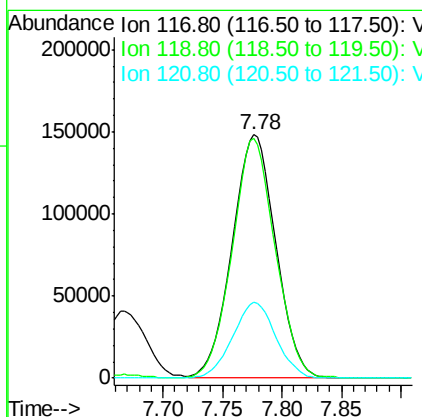
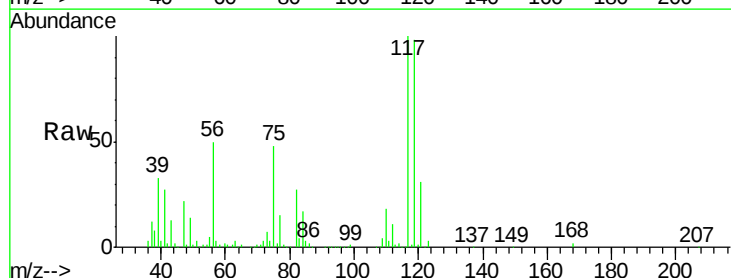
Instrument :
MSVOA_N
ClientSampleId :
VN0713WBSD01

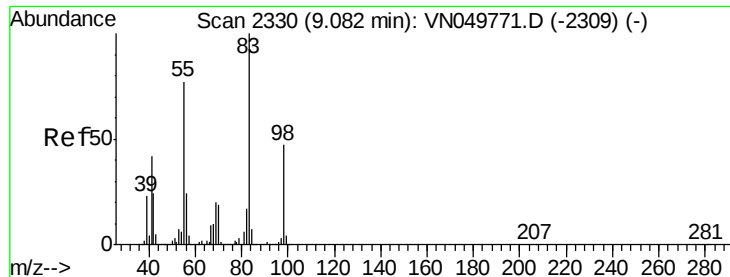
Tot Ion: 43 Resp: 217791
Ion Ratio Lower Upper
43 100
61 13.4 11.7 17.5
70 10.3 8.4 12.6



#38
Carbon Tetrachloride
Concen: 18.92 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VN049798.D
Acq: 13 Jul 2018 15:43

Tgt Ion: 117 Resp: 373540
Ion Ratio Lower Upper
117 100
119 98.2 77.2 115.8
121 31.2 25.0 37.6

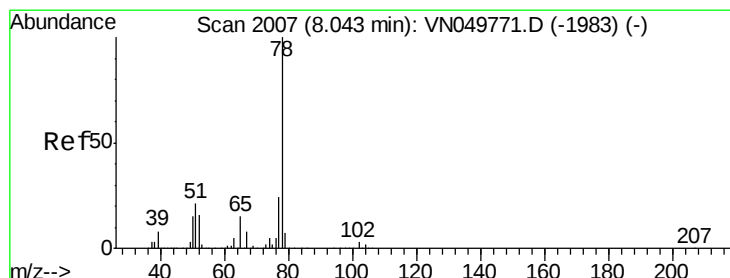
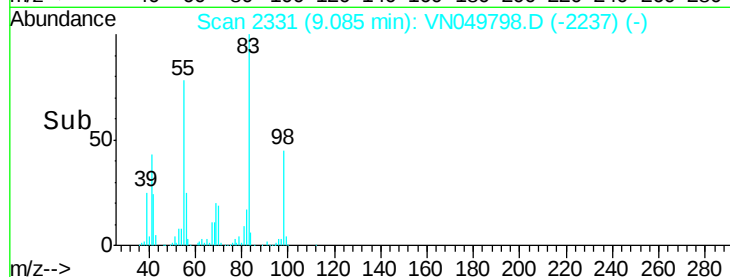
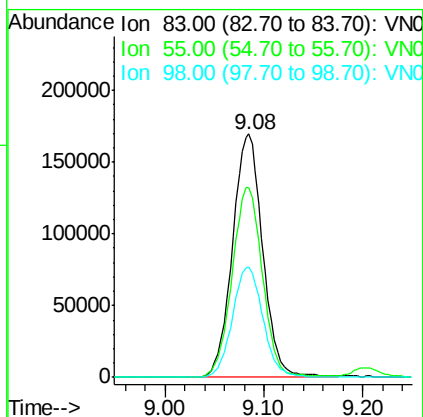
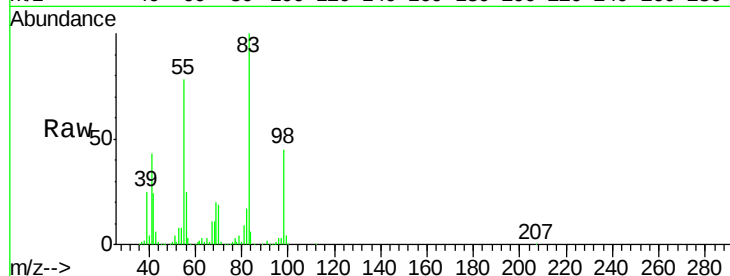




#39
Methvlcvclohexane
Concen: 18.16 ug/l
RT: 9.08 min Scan# 2331
Delta R.T. 0.00 min
Lab File: VN049798.D
Acq: 13 Jul 2018 15:43

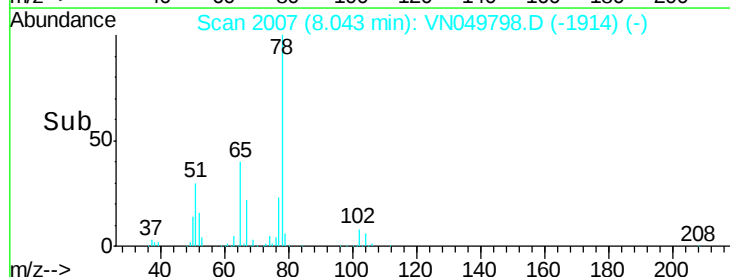
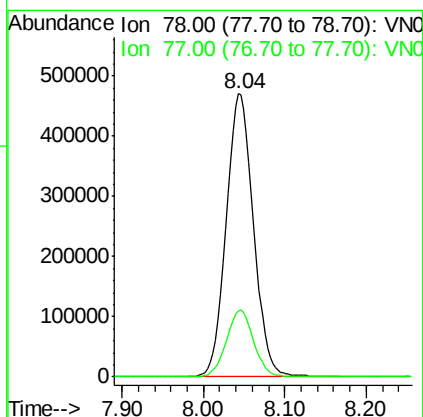
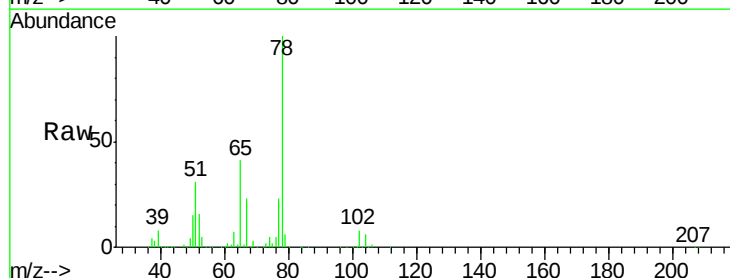
Instrument :
MSVOA_N
ClientSampleId :
VN0713WBSD01

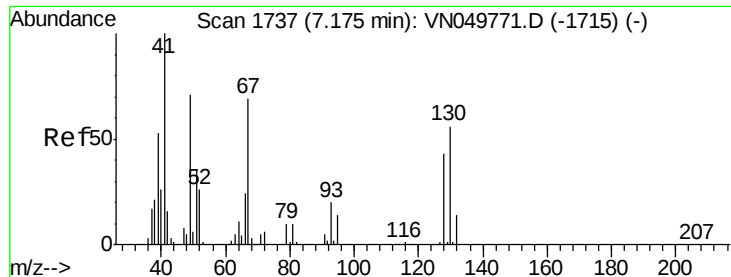
Tot Ion: 83 Resp: 361496
Ion Ratio Lower Upper
83 100
55 77.8 59.7 89.5
98 45.3 36.5 54.7



#40
Benzene
Concen: 19.58 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN049798.D
Acq: 13 Jul 2018 15:43

Tgt Ion: 78 Resp: 1106349
Ion Ratio Lower Upper
78 100
77 23.4 19.0 28.4

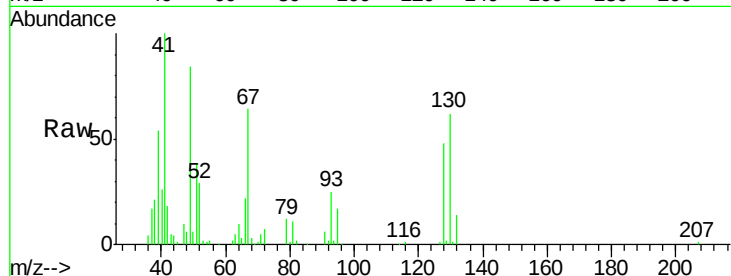




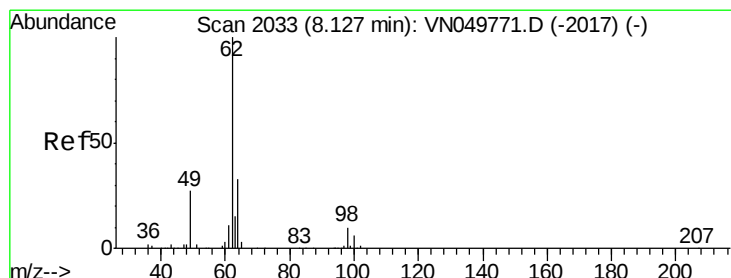
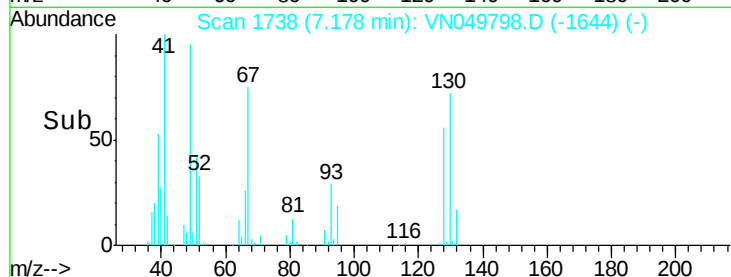
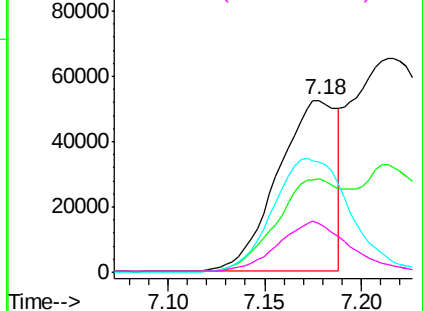
#41
Methacrylonitrile
Concen: 17.54 ug/l
RT: 7.18 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN049798.D
Acq: 13 Jul 2018 15:43

Instrument :
MSVOA_N
ClientSampleId :
VN0713WBSD01

Tot Ion:	41	Resp:	110912
Ion	Ratio	Lower	Upper
41	100		
39	59.1	45.4	68.2
67	88.6	65.4	98.0
52	35.2	24.7	37.1

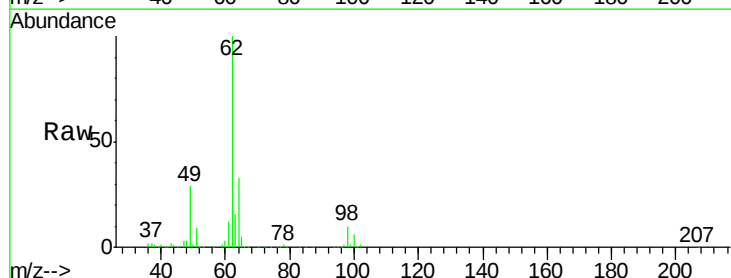


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

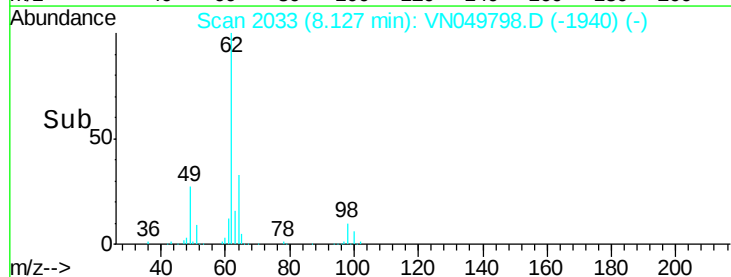
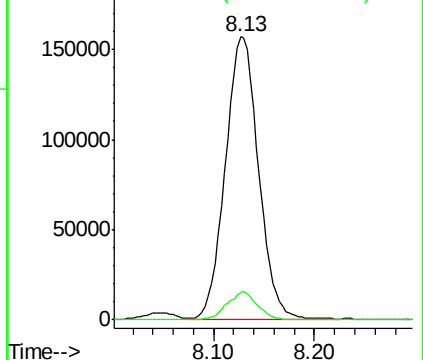


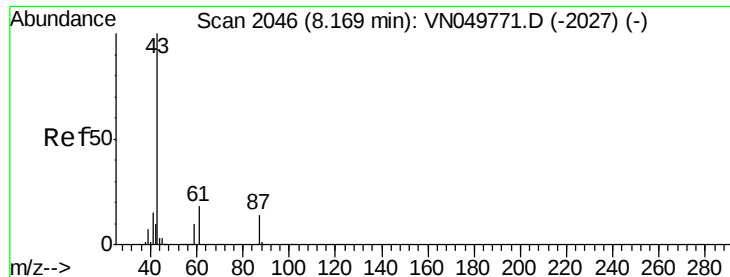
#42
1,2-Dichloroethane
Concen: 19.42 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN049798.D
Acq: 13 Jul 2018 15:43

Tgt Ion:	62	Resp:	358926
Ion	Ratio	Lower	Upper
62	100		
98	9.3	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: 19.77 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN049798.D

Acq: 13 Jul 2018 15:43

Instrument :

MSVOA_N

ClientSampleId :

VN0713WBSD01

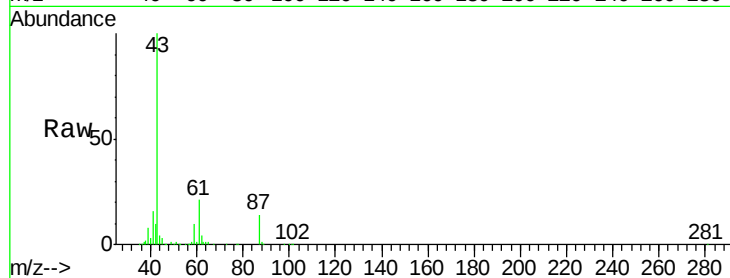
Tot Ion: 43 Resp: 397223

Ion Ratio Lower Upper

43 100

61 20.4 14.9 22.3

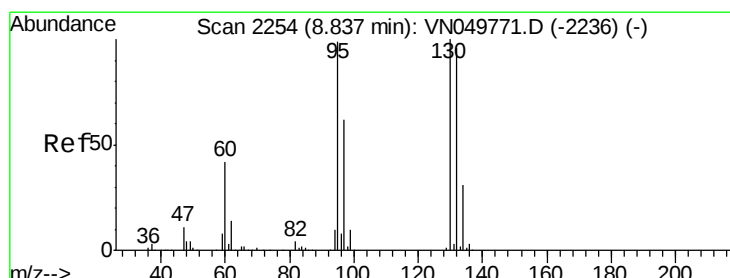
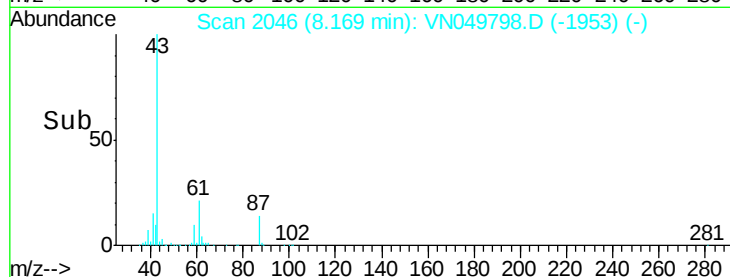
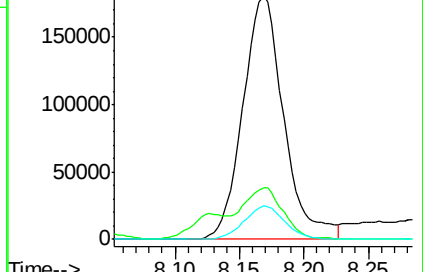
87 13.5 10.0 15.0



Abundance Ion 43.00 (42.70 to 43.70): VN049771.D (-2027) (-)

Ion 61.00 (60.70 to 61.70): VN049771.D (-2027) (-)

Ion 87.00 (86.70 to 87.70): VN049771.D (-2027) (-)



#44

Trichloroethene

Concen: 18.91 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. 0.00 min

Lab File: VN049798.D

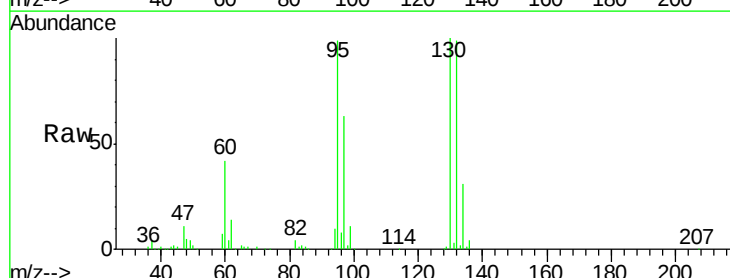
Acq: 13 Jul 2018 15:43

Tgt Ion: 130 Resp: 287657

Ion Ratio Lower Upper

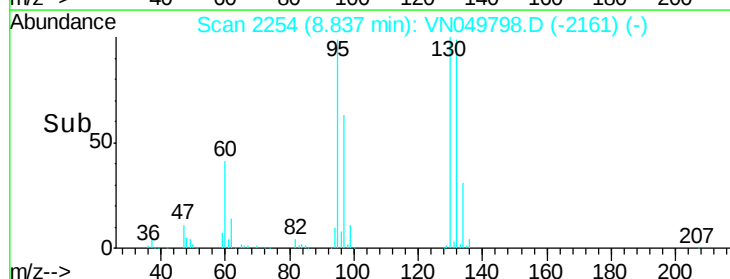
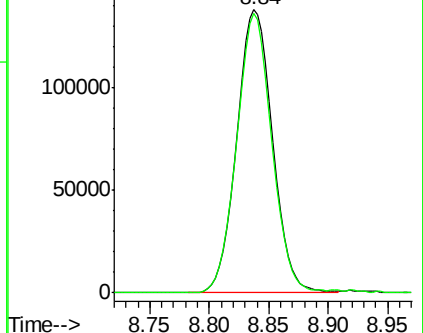
130 100

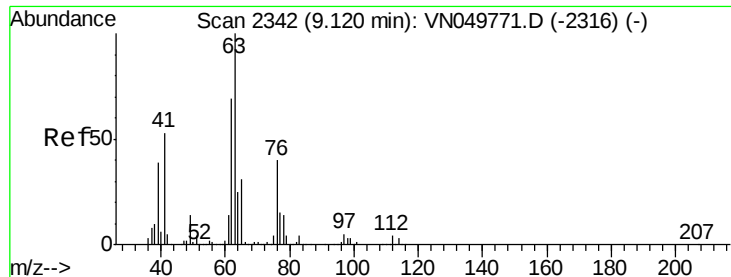
95 98.8 0.0 192.8



Abundance Ion 129.80 (129.50 to 130.50): VN049771.D (-2236) (-)

Ion 94.90 (94.60 to 95.60): VN049771.D (-2236) (-)





#45

1,2-Dichloropropane

Concen: 19.68 ug/l

RT: 9.12 min Scan# 2343

Delta R.T. 0.00 min

Lab File: VN049798.D

Acq: 13 Jul 2018 15:43

Instrument :

MSVOA_N

ClientSampleId :

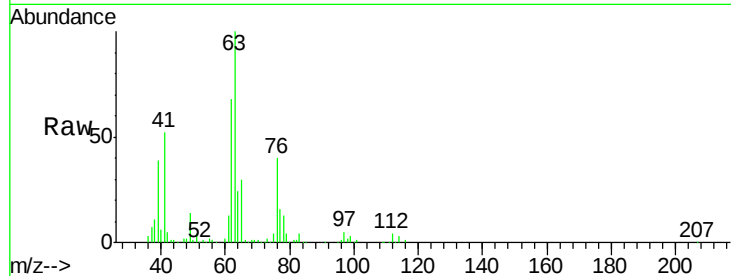
VN0713WBSD01

Tot Ion: 63 Resp: 298800

Ion Ratio Lower Upper

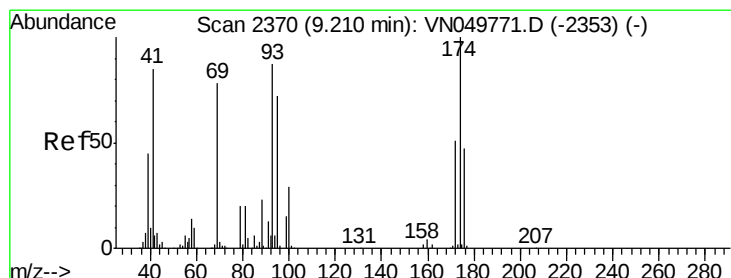
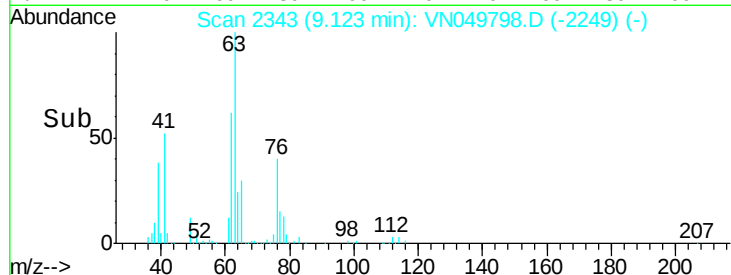
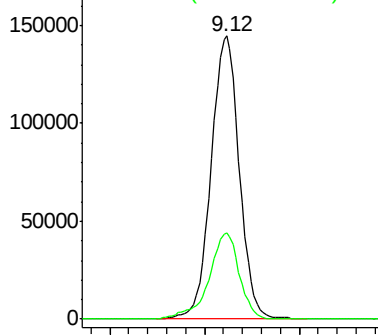
63 100

65 30.3 24.7 37.1



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 19.43 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN049798.D

Acq: 13 Jul 2018 15:43

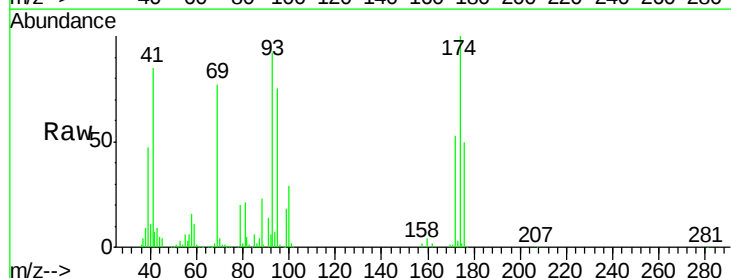
Tgt Ion: 93 Resp: 175194

Ion Ratio Lower Upper

93 100

95 82.9 67.9 101.9

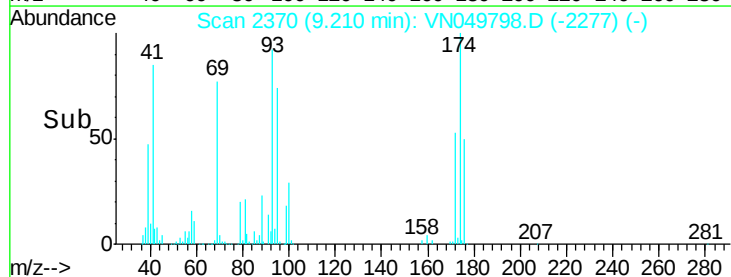
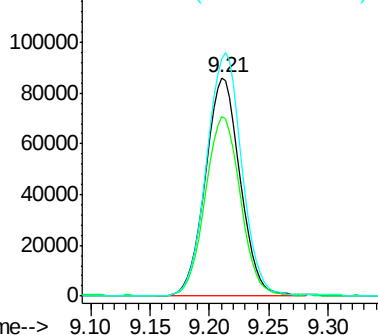
174 112.1 89.4 134.0

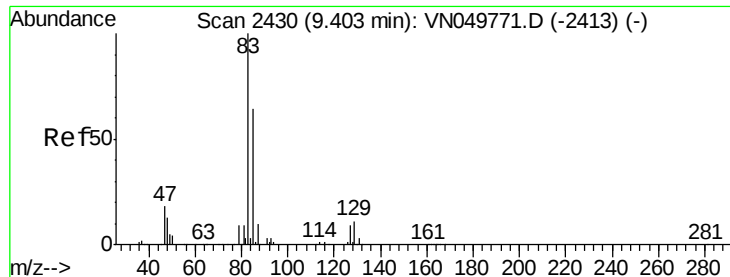


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 19.57 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VN049798.D

Acq: 13 Jul 2018 15:43

Instrument :

MSVOA_N

ClientSampleId :

VN0713WBSD01

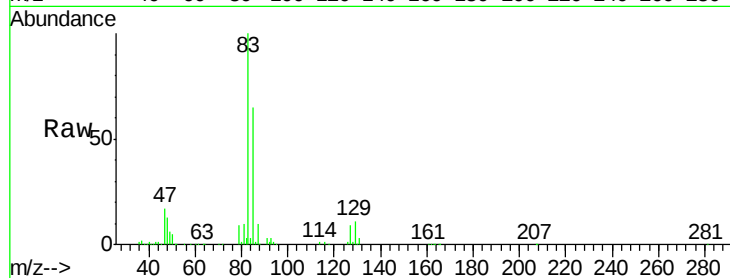
Tot Ion: 83 Resp: 388628

Ion Ratio Lower Upper

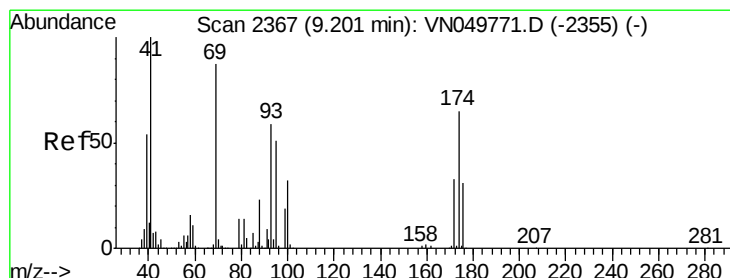
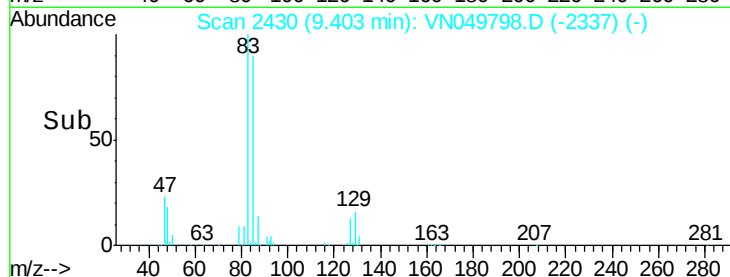
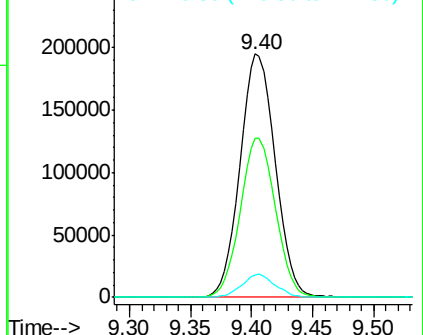
83 100

85 65.3 50.5 75.7

127 9.2 6.8 10.2



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



#48

Methyl methacrylate

Concen: 18.78 ug/l

RT: 9.20 min Scan# 2367

Delta R.T. 0.00 min

Lab File: VN049798.D

Acq: 13 Jul 2018 15:43

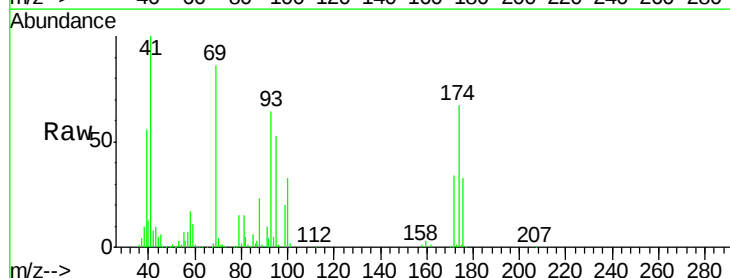
Tgt Ion: 41 Resp: 188689

Ion Ratio Lower Upper

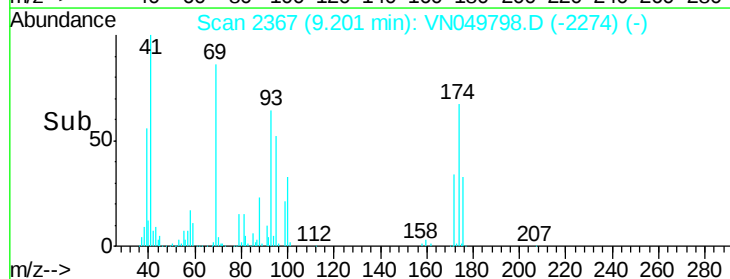
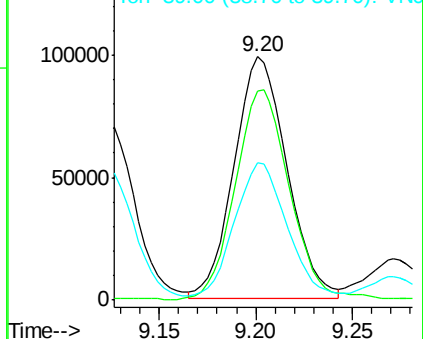
41 100

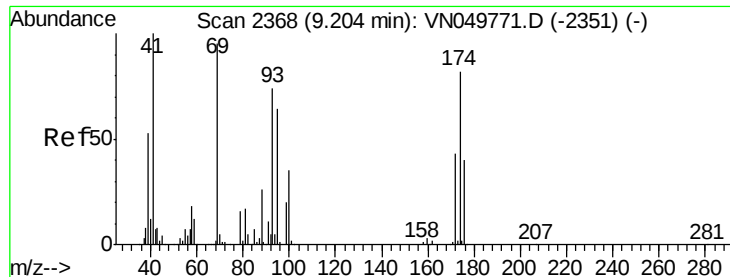
69 89.0 71.5 107.3

39 56.7 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

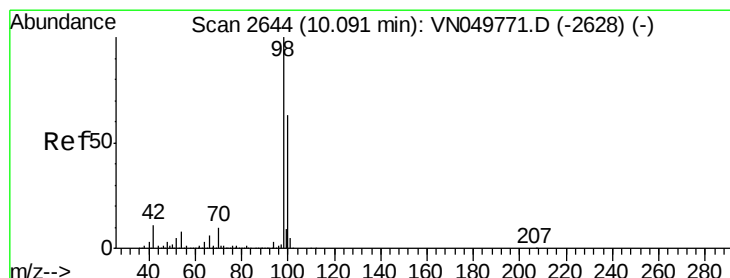
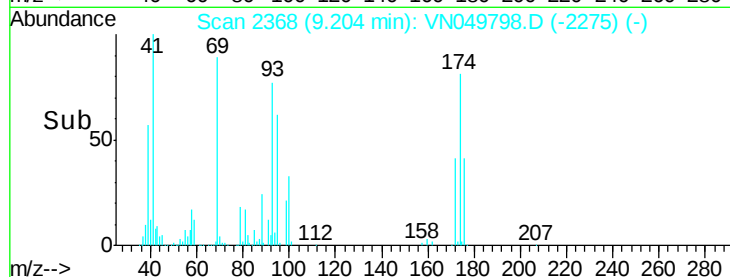
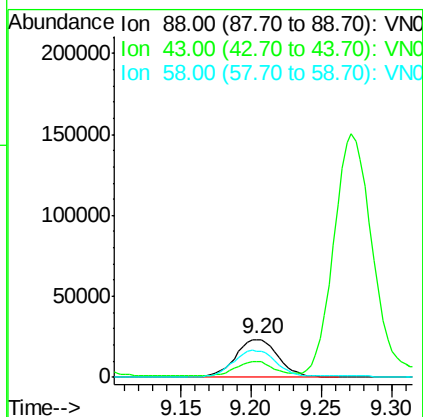
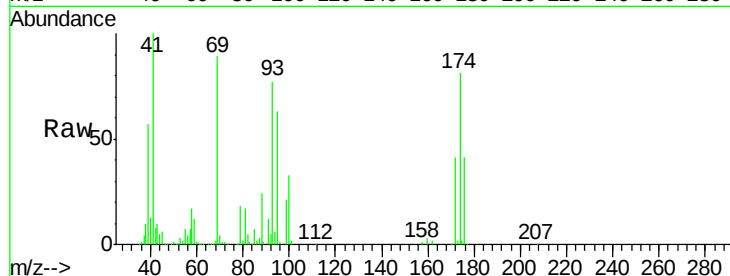




#49
1,4-Dioxane
Concen: 381.86 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN049798.D
Acq: 13 Jul 2018 15:43

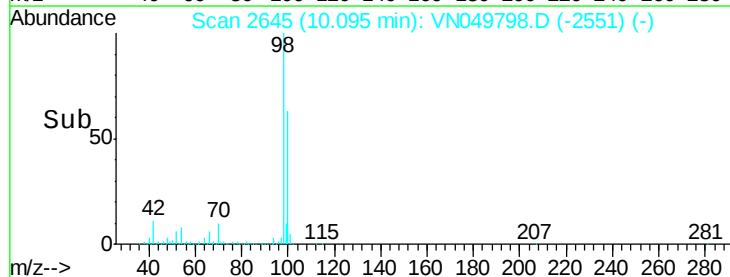
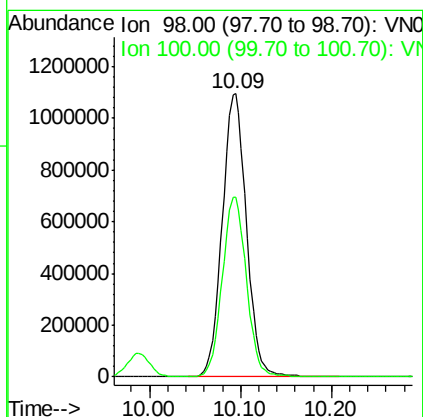
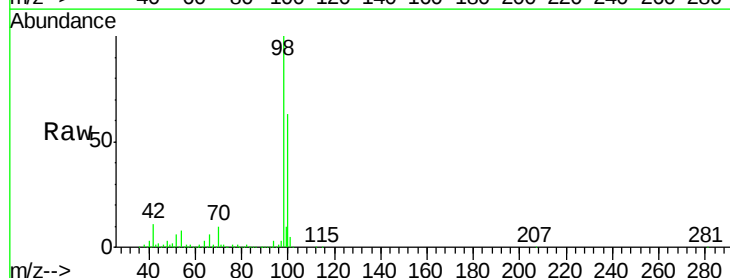
Instrument :
MSVOA_N
ClientSampleId :
VN0713WBSD01

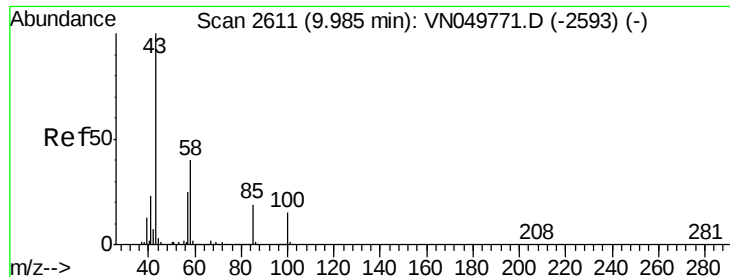
Tot Ion: 88 Resp: 50262
Ion Ratio Lower Upper
88 100
43 34.0 25.1 37.7
58 72.1 52.5 78.7



#50
Toluene-d8
Concen: 47.85 ug/l
RT: 10.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VN049798.D
Acq: 13 Jul 2018 15:43

Tgt Ion: 98 Resp: 2023346
Ion Ratio Lower Upper
98 100
100 63.2 51.7 77.5





#51

4-Methyl-2-Pentanone

Concen: 99.77 ug/l

RT: 9.99 min Scan# 2611

Delta R.T. 0.00 min

Lab File: VN049798.D

Acq: 13 Jul 2018 15:43

Instrument :

MSVOA_N

ClientSampleId :

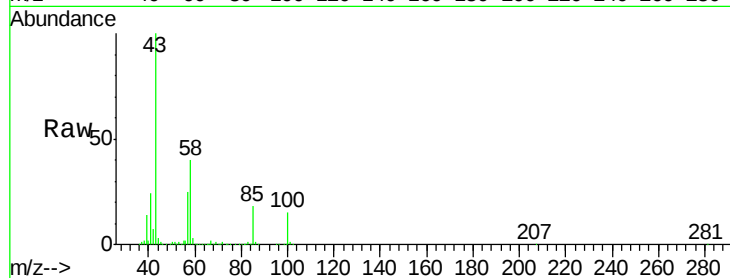
VN0713WBSD01

Tot Ion: 43 Resp: 1088418

Ion Ratio Lower Upper

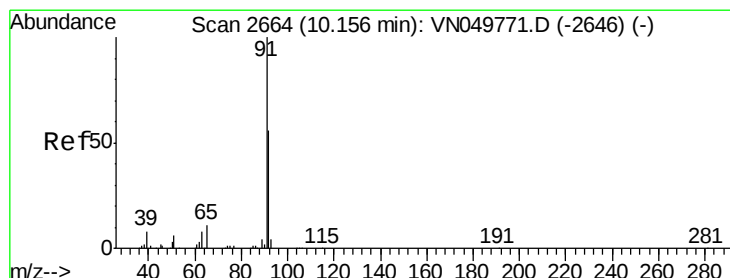
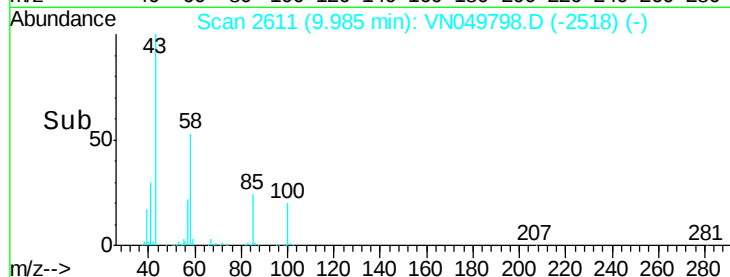
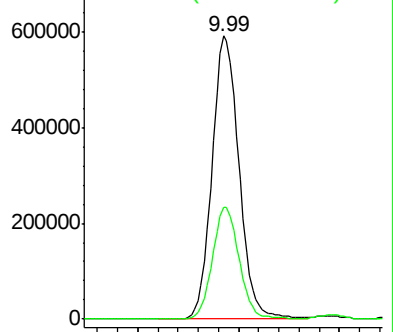
43 100

58 39.4 31.8 47.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 20.01 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. 0.00 min

Lab File: VN049798.D

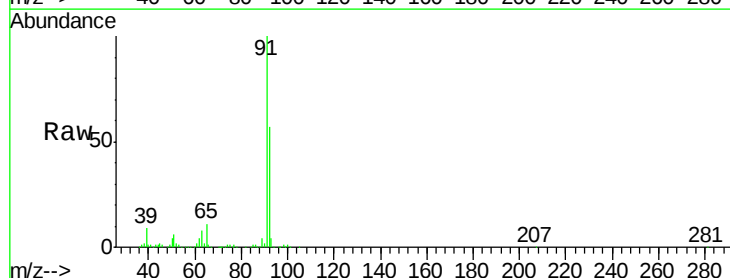
Acq: 13 Jul 2018 15:43

Tgt Ion: 92 Resp: 676585

Ion Ratio Lower Upper

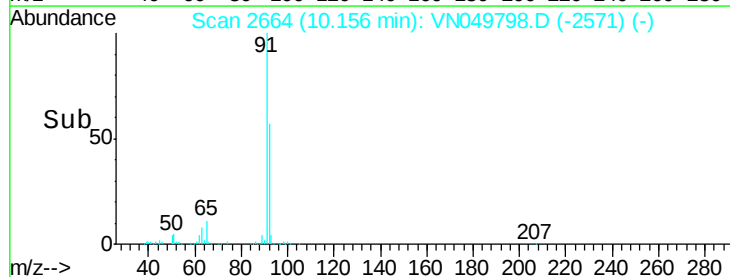
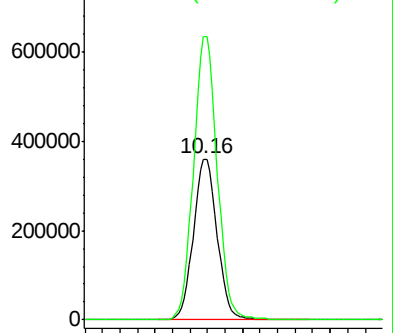
92 100

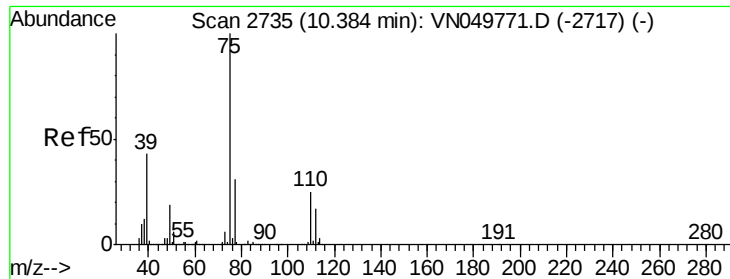
91 176.0 140.1 210.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 19.19 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN049798.D

Acq: 13 Jul 2018 15:43

Instrument :

MSVOA_N

ClientSampleId :

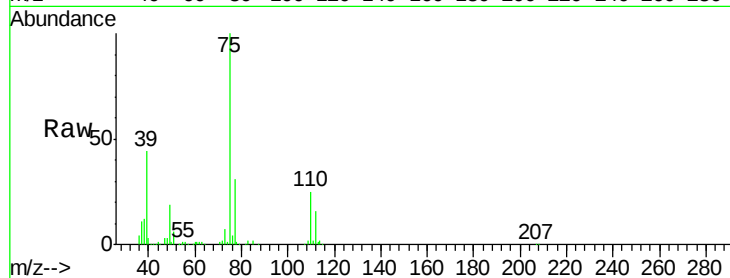
VN0713WBSD01

Tot Ion: 75 Resp: 366580

Ion Ratio Lower Upper

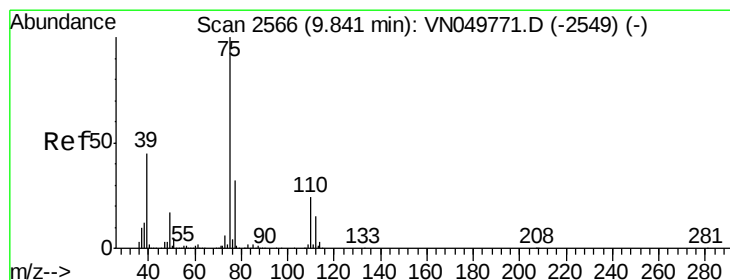
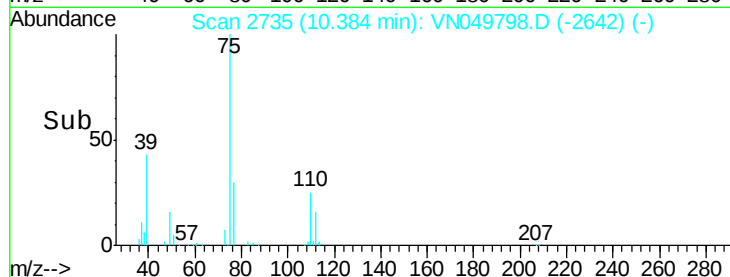
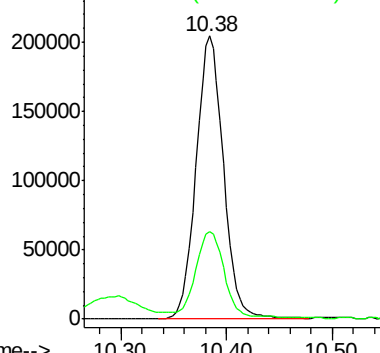
75 100

77 30.2 25.2 37.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 19.78 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VN049798.D

Acq: 13 Jul 2018 15:43

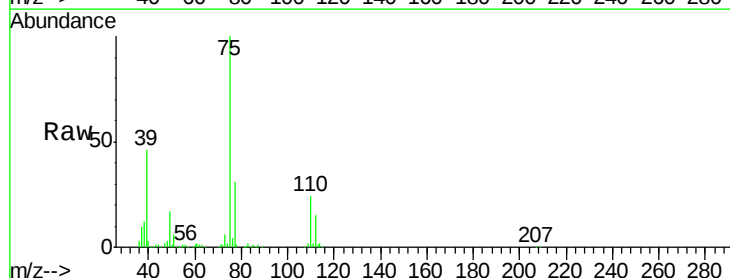
Tgt Ion: 75 Resp: 430238

Ion Ratio Lower Upper

75 100

77 31.1 25.3 37.9

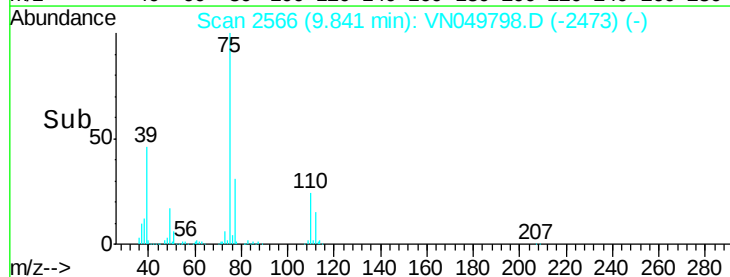
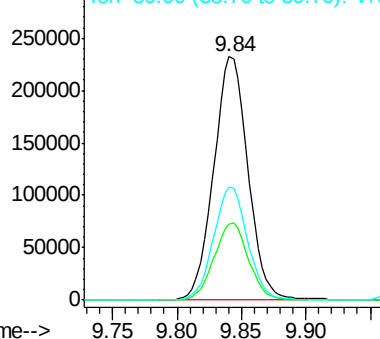
39 46.4 35.5 53.3

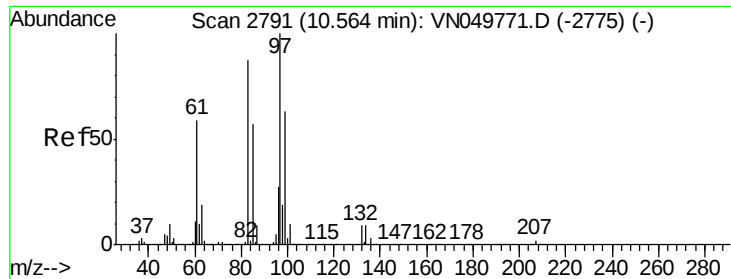


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

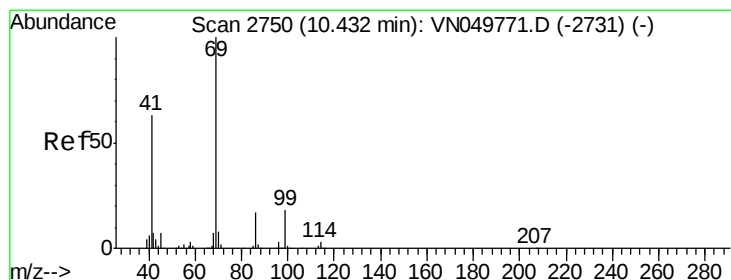
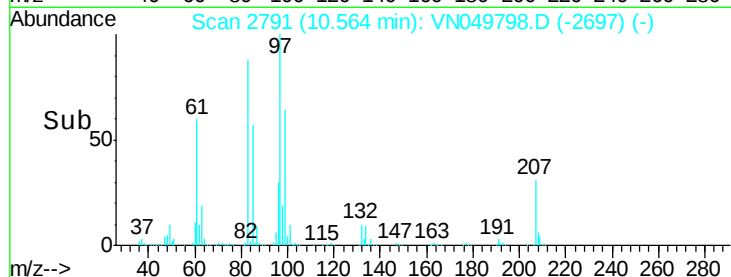
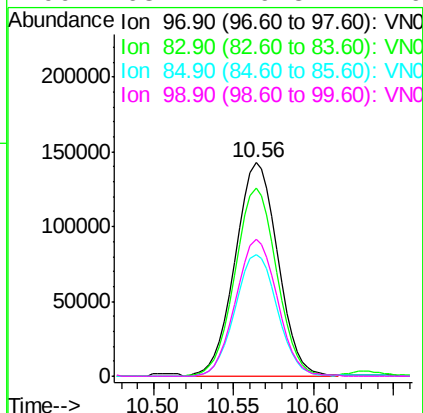
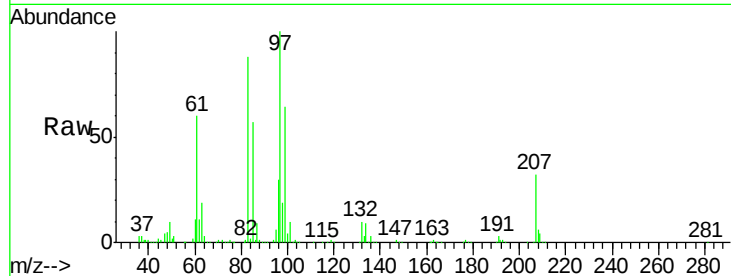




#55
 1,1,2-Trichloroethane
 Concen: 19.91 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN049798.D
 Acq: 13 Jul 2018 15:43

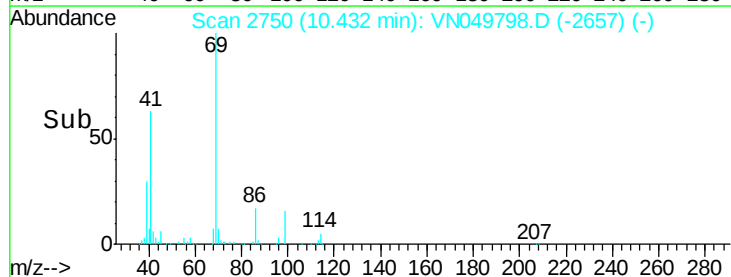
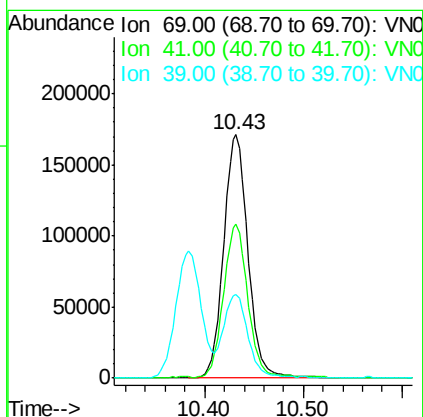
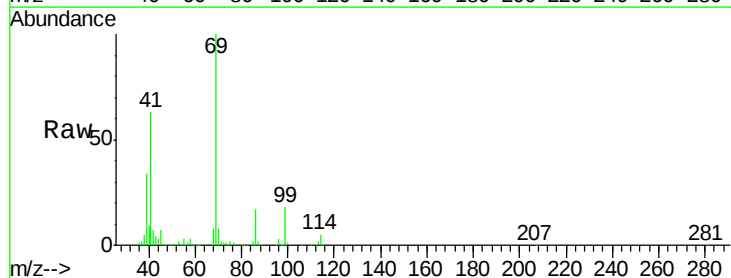
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0713WBSD01

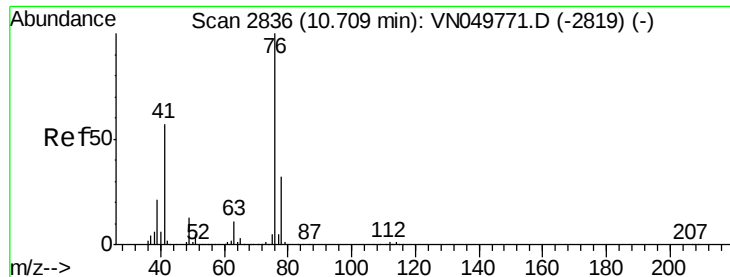
Tot Ion:	97	Resp:	259877
Ion	Ratio	Lower	Upper
97	100		
83	87.5	69.0	103.6
85	57.0	44.9	67.3
99	63.7	49.8	74.6



#56
 Ethyl methacrylate
 Concen: 19.49 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN049798.D
 Acq: 13 Jul 2018 15:43

Tgt Ion:	69	Resp:	297424
Ion	Ratio	Lower	Upper
69	100		
41	62.2	51.6	77.4
39	34.0	25.8	38.8

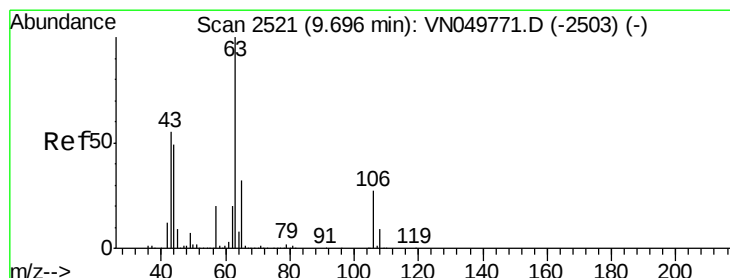
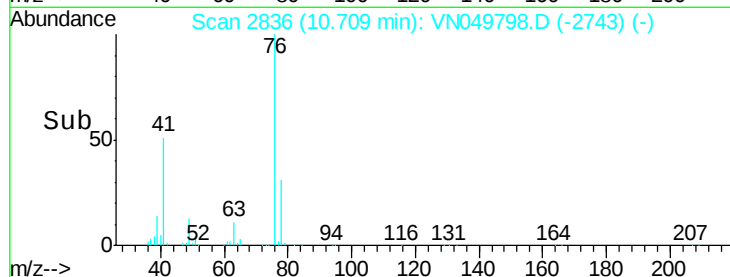
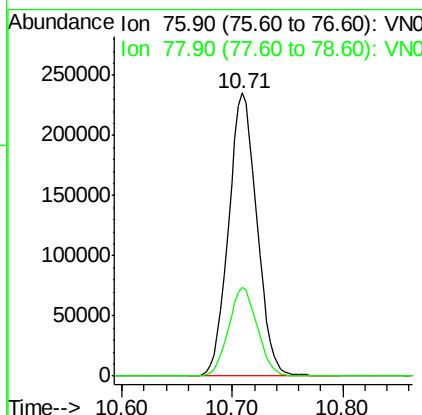
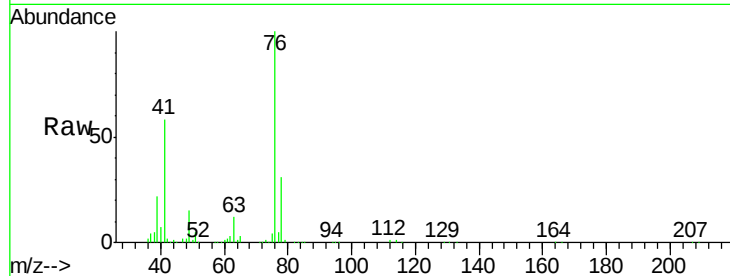




#57
 1,3-Dichloropropane
 Concen: 19.47 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. 0.00 min
 Lab File: VN049798.D
 Acq: 13 Jul 2018 15:43

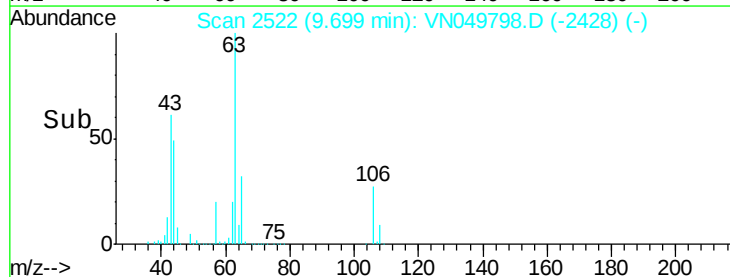
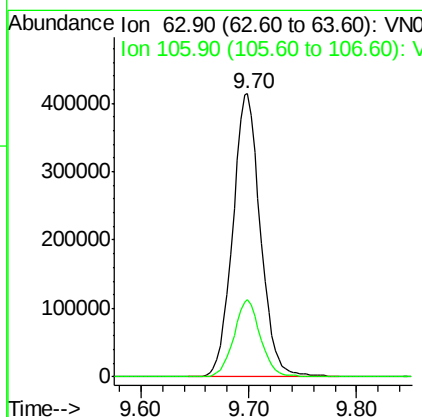
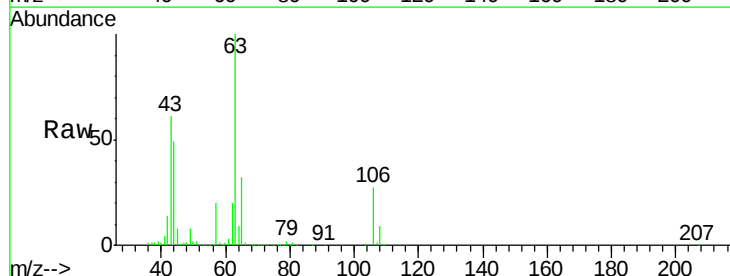
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0713WBSD01

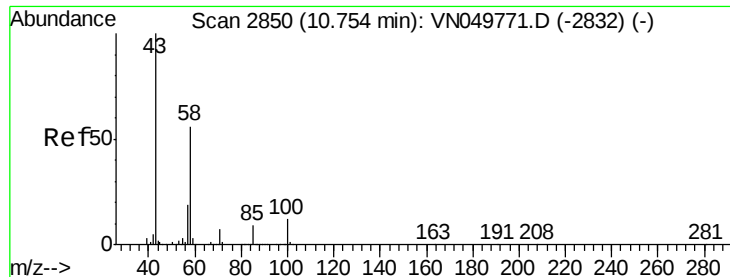
Tot Ion: 76 Resp: 419388
 Ion Ratio Lower Upper
 76 100
 78 31.7 25.8 38.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 101.21 ug/l
 RT: 9.70 min Scan# 2522
 Delta R.T. 0.00 min
 Lab File: VN049798.D
 Acq: 13 Jul 2018 15:43

Tgt Ion: 63 Resp: 740806
 Ion Ratio Lower Upper
 63 100
 106 26.3 21.8 32.8

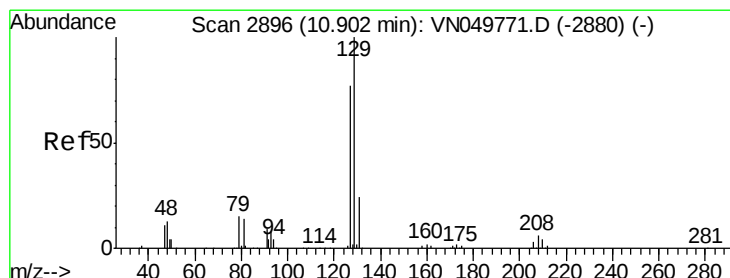
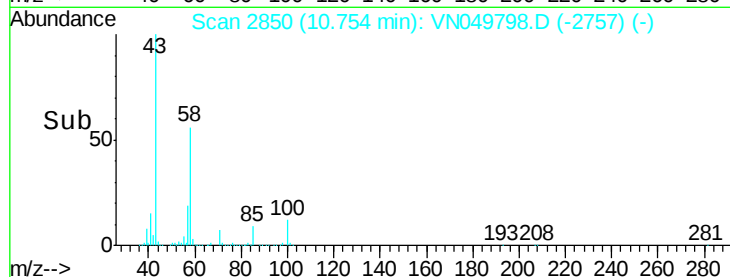
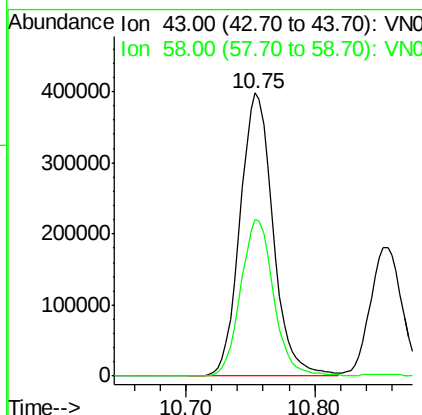
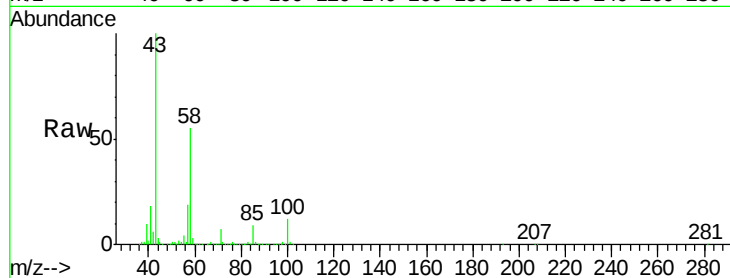




#59
2-Hexanone
Concen: 97.59 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN049798.D
Acq: 13 Jul 2018 15:43

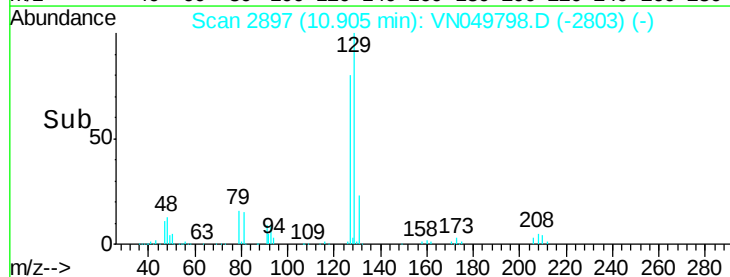
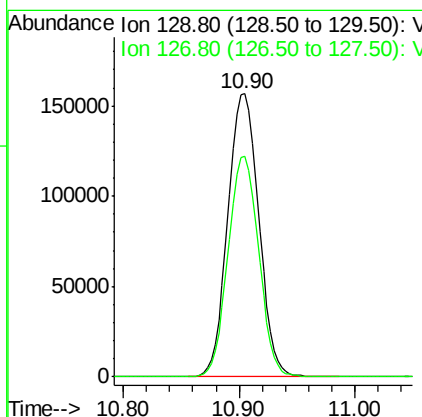
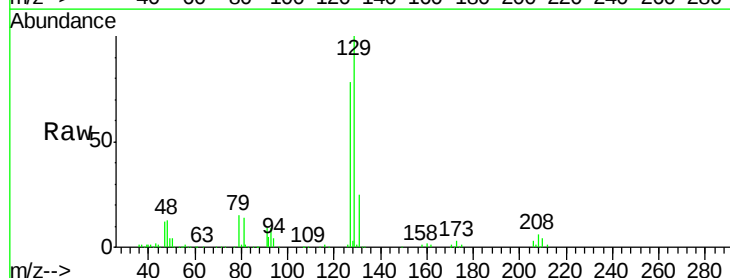
Instrument :
MSVOA_N
ClientSampleId :
VN0713WBSD01

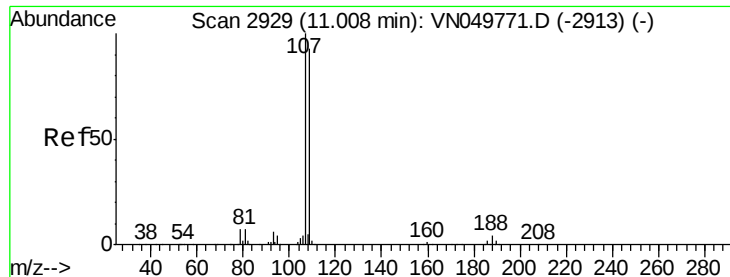
Tot Ion: 43 Resp: 707757
Ion Ratio Lower Upper
43 100
58 55.6 27.8 83.4



#60
Dibromochloromethane
Concen: 19.56 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VN049798.D
Acq: 13 Jul 2018 15:43

Tgt Ion: 129 Resp: 289749
Ion Ratio Lower Upper
129 100
127 77.1 38.3 114.9

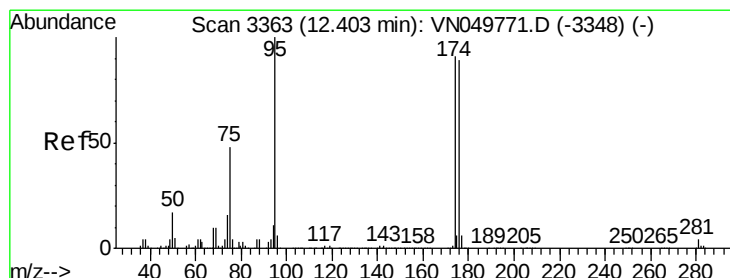
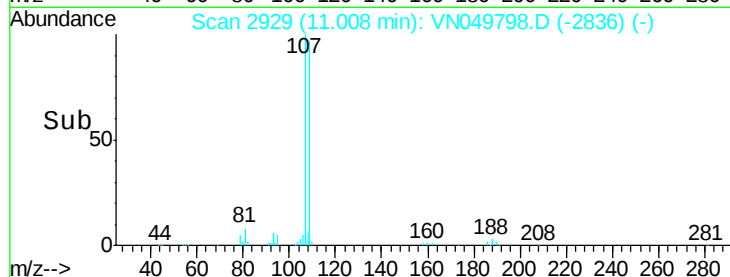
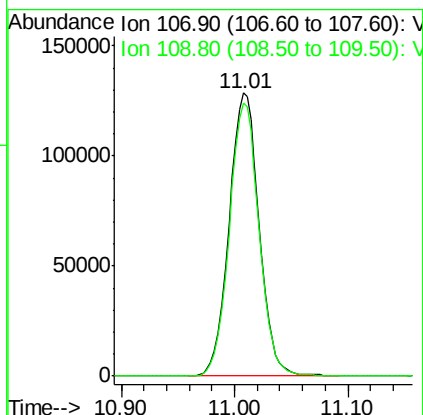
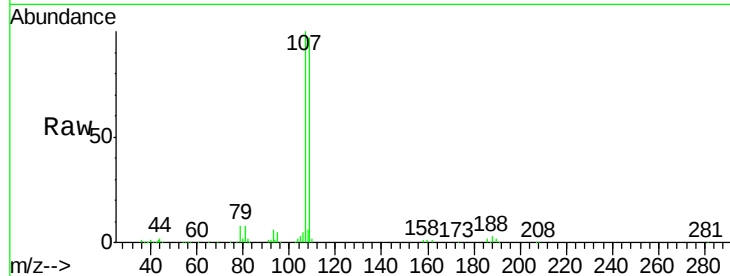




#61
 1,2-Dibromoethane
 Concen: 19.20 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. 0.00 min
 Lab File: VN049798.D
 Acq: 13 Jul 2018 15:43

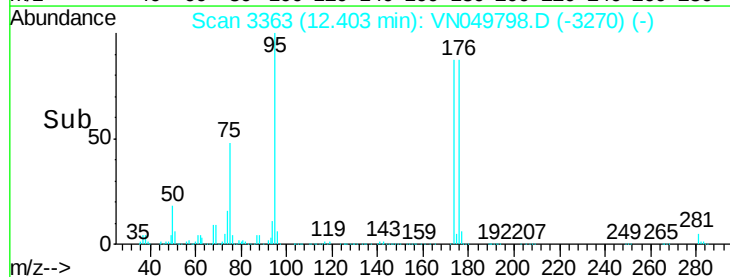
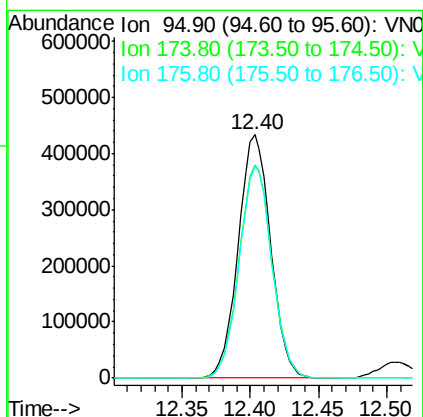
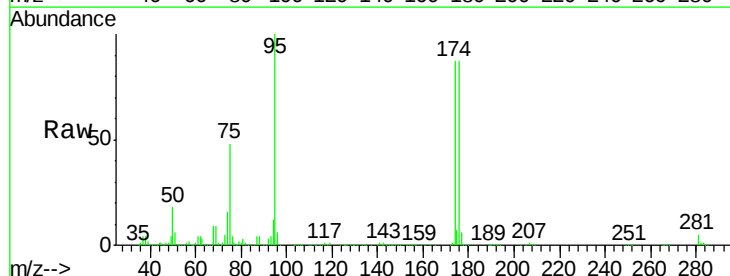
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0713WBSD01

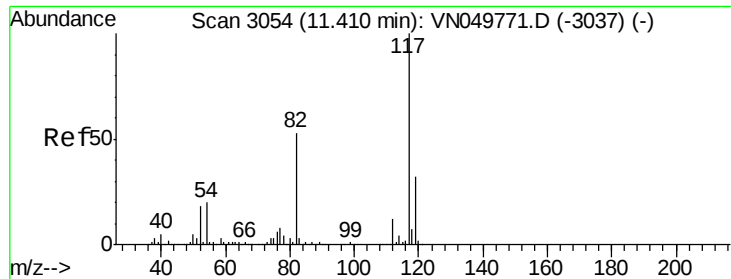
Tot Ion:107 Resp: 236273
 Ion Ratio Lower Upper
 107 100
 109 95.8 75.0 112.6



#62
 4-Bromofluorobenzene
 Concen: 47.36 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN049798.D
 Acq: 13 Jul 2018 15:43

Tgt Ion: 95 Resp: 715161
 Ion Ratio Lower Upper
 95 100
 174 89.1 0.0 179.6
 176 87.8 0.0 174.0

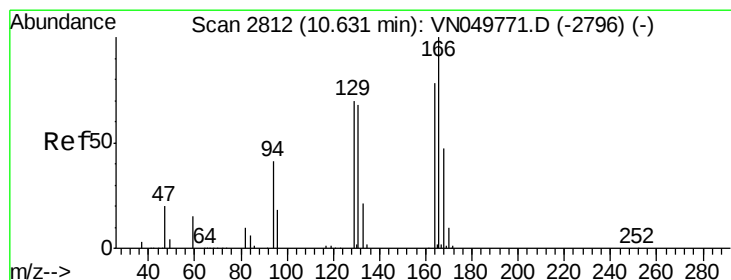
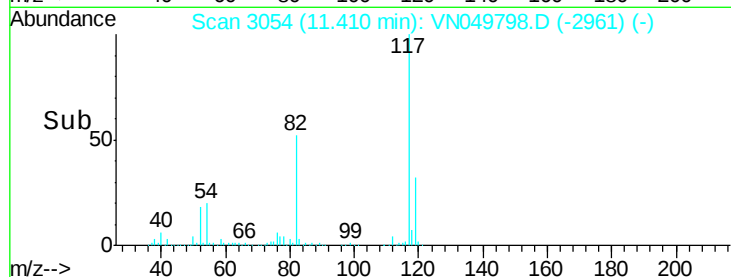
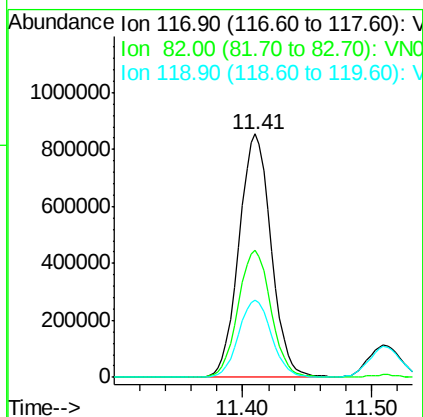
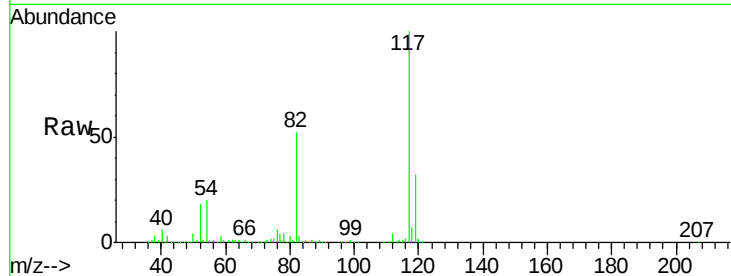




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN049798.D
Acq: 13 Jul 2018 15:43

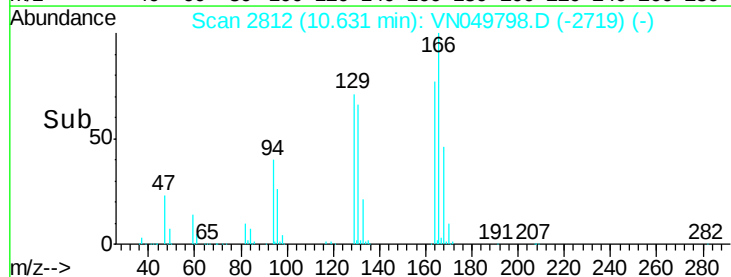
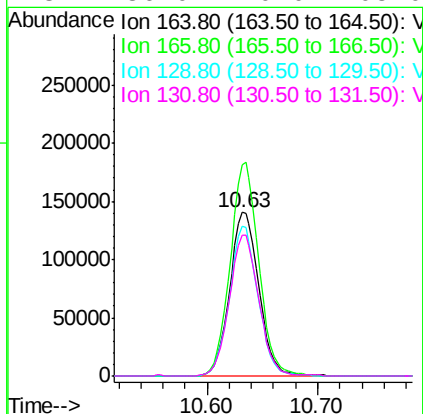
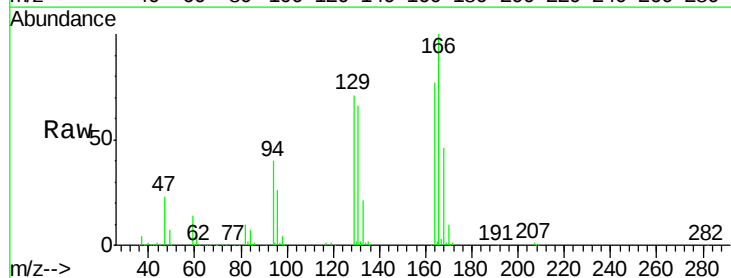
Instrument :
MSVOA_N
ClientSampleId :
VN0713WBSD01

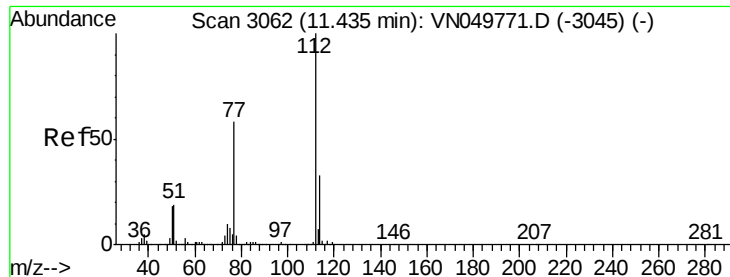
Tot Ion:117 Resp: 1484144
Ion Ratio Lower Upper
117 100
82 52.0 41.9 62.9
119 31.7 25.4 38.2



#64
Tetrachloroethene
Concen: 19.11 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. 0.00 min
Lab File: VN049798.D
Acq: 13 Jul 2018 15:43

Tgt Ion:164 Resp: 257521
Ion Ratio Lower Upper
164 100
166 129.5 101.8 152.6
129 91.9 72.8 109.2
131 86.0 70.0 105.0

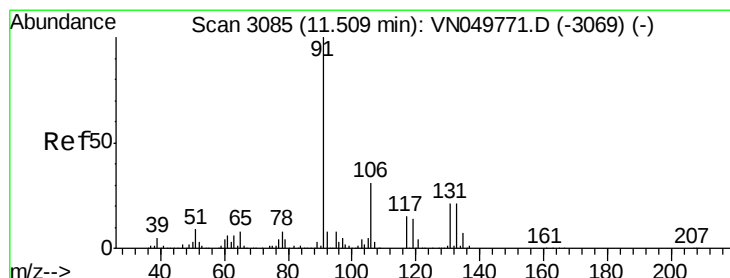
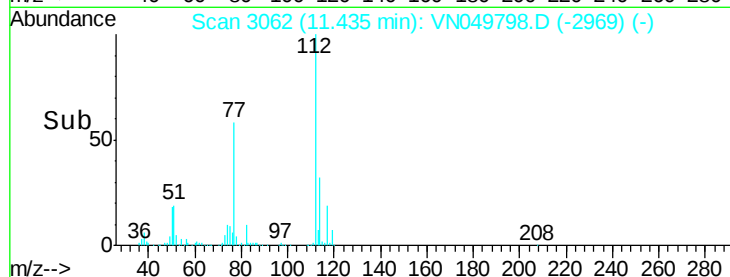
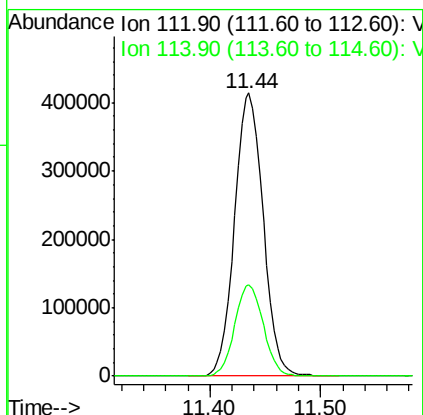
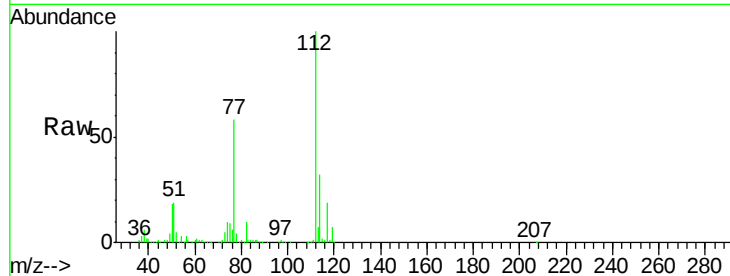




#65
Chlorobenzene
Concen: 19.27 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN049798.D
Acq: 13 Jul 2018 15:43

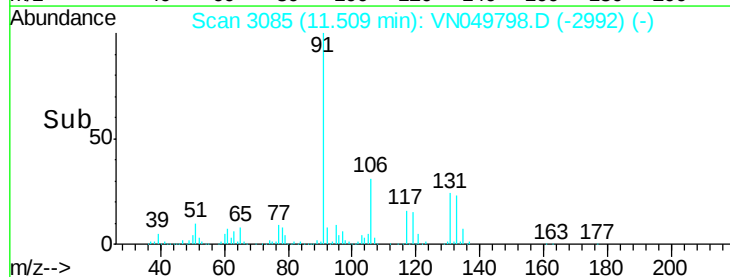
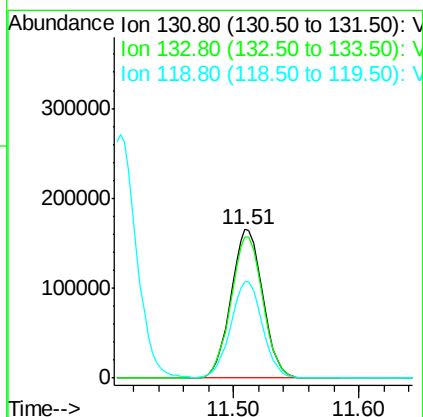
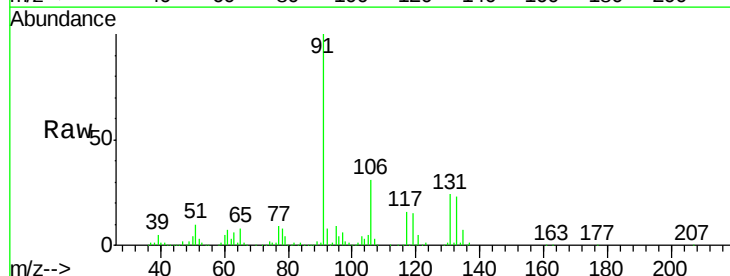
Instrument :
MSVOA_N
ClientSampleId :
VN0713WBSD01

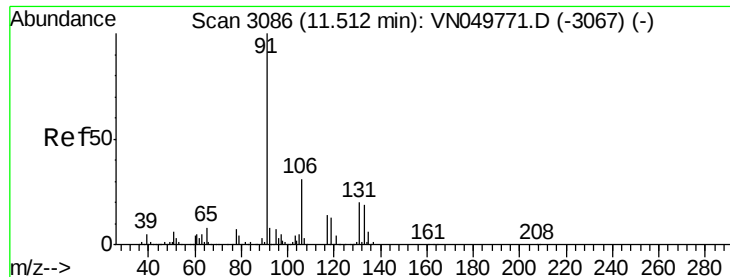
Tot Ion:112 Resp: 745006
Ion Ratio Lower Upper
112 100
114 32.5 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 20.00 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. 0.00 min
Lab File: VN049798.D
Acq: 13 Jul 2018 15:43

Tgt Ion:131 Resp: 290870
Ion Ratio Lower Upper
131 100
133 95.8 47.5 142.6
119 65.1 33.1 99.3





#67

Ethyl Benzene

Concen: 19.33 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN049798.D

Acq: 13 Jul 2018 15:43

Instrument :

MSVOA_N

ClientSampleId :

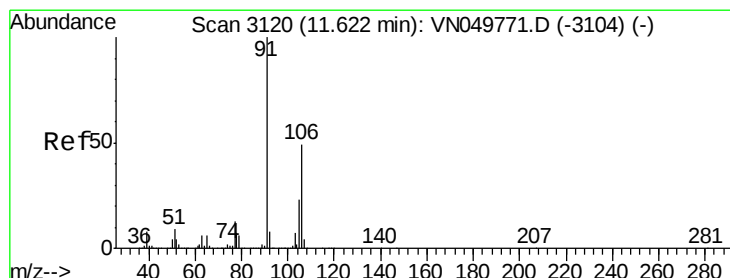
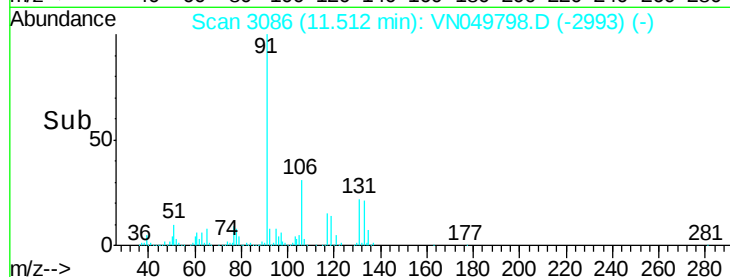
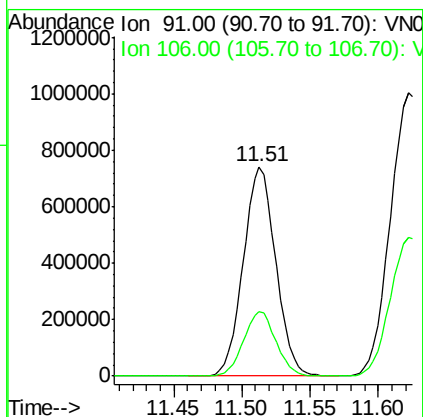
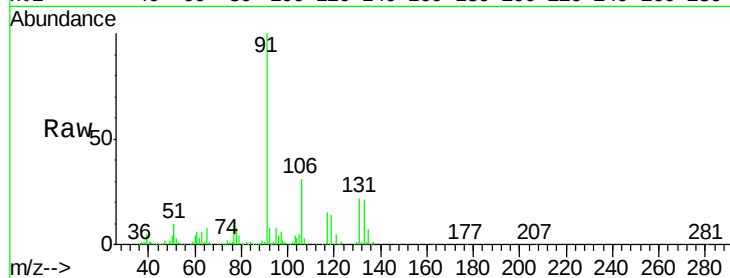
VN0713WBSD01

Tot Ion: 91 Resp: 1224052

Ion Ratio Lower Upper

91 100

106 31.1 24.8 37.2



#68

m/p-Xylenes

Concen: 40.15 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. 0.00 min

Lab File: VN049798.D

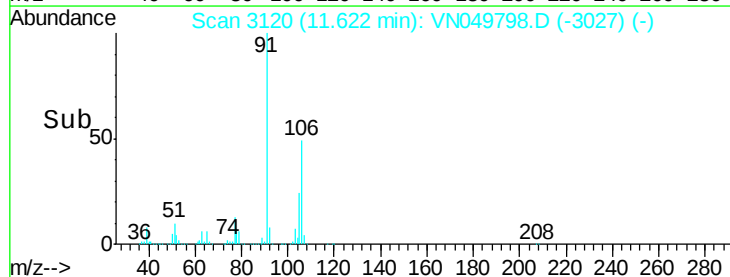
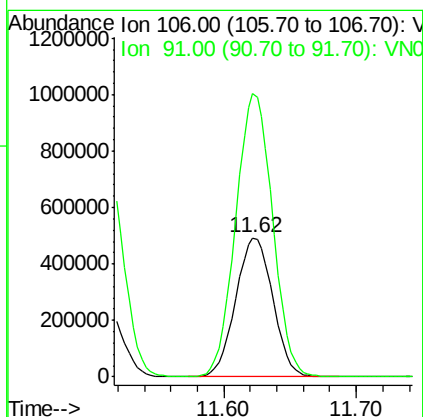
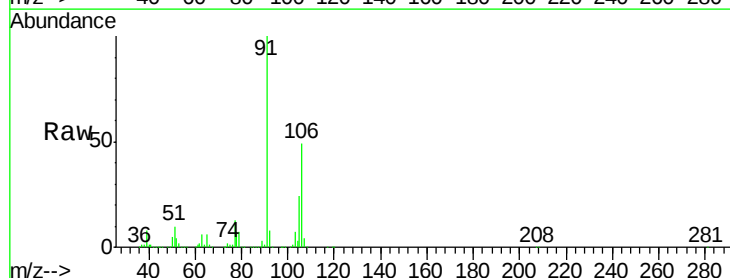
Acq: 13 Jul 2018 15:43

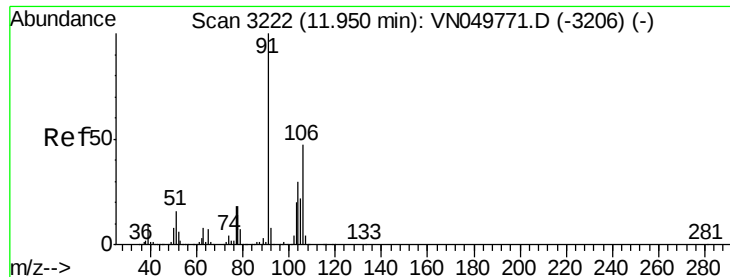
Tgt Ion: 106 Resp: 954204

Ion Ratio Lower Upper

106 100

91 202.7 163.4 245.2

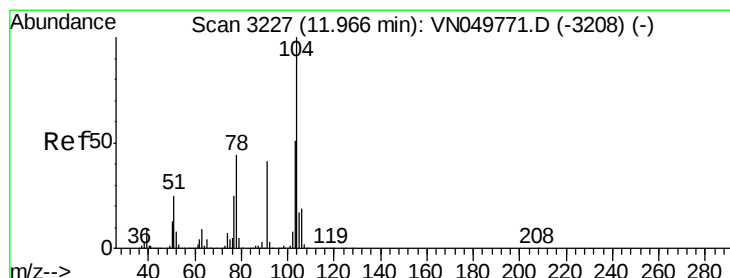
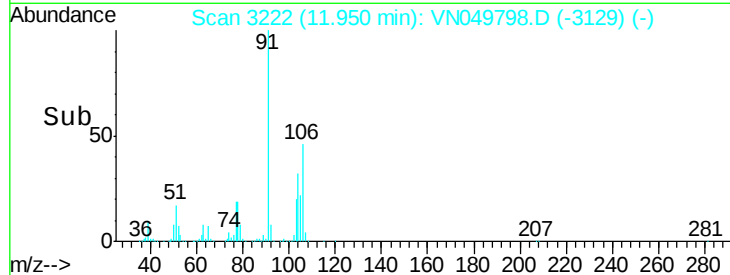
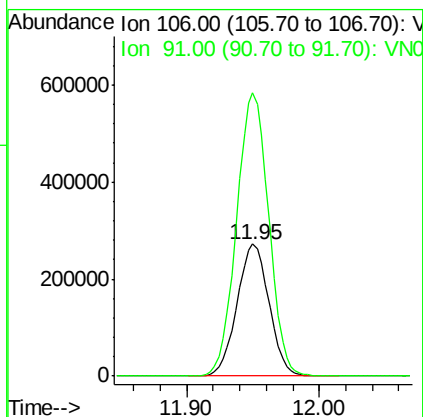
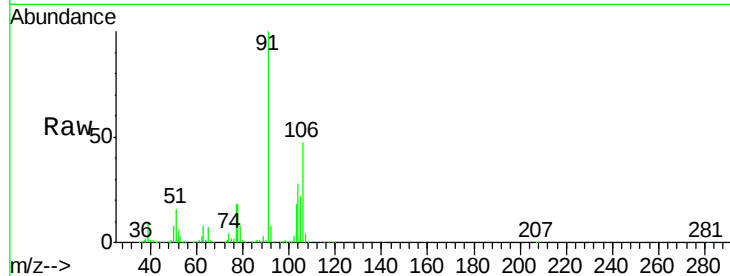




#69
o-Xylene
Concen: 19.91 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN049798.D
Acq: 13 Jul 2018 15:43

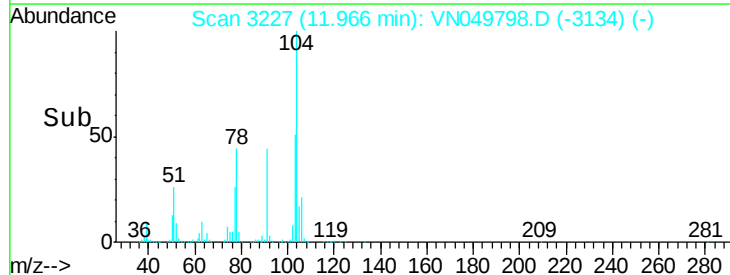
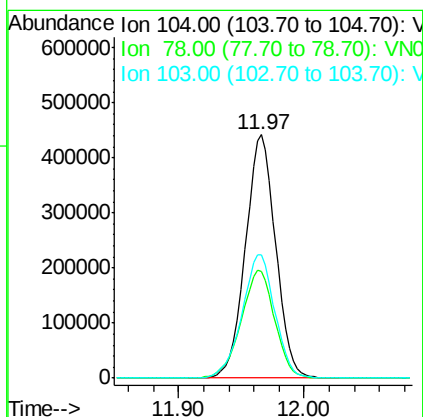
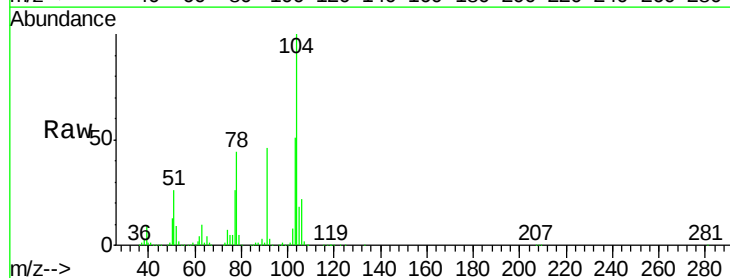
Instrument :
MSVOA_N
ClientSampleId :
VN0713WBSD01

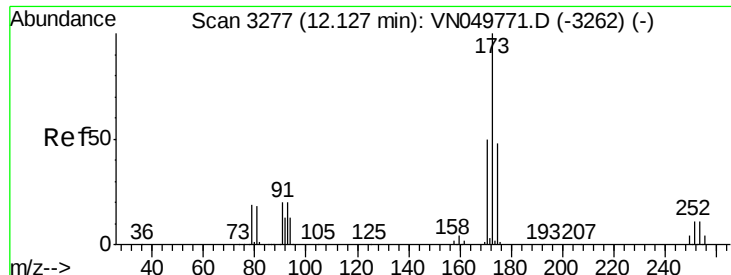
Tot Ion:106 Resp: 457069
Ion Ratio Lower Upper
106 100
91 214.8 108.7 326.1



#70
Styrene
Concen: 20.33 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN049798.D
Acq: 13 Jul 2018 15:43

Tgt Ion:104 Resp: 741370
Ion Ratio Lower Upper
104 100
78 49.3 39.2 58.8
103 55.0 44.6 67.0





#71

Bromoform

Concen: 19.46 ug/l

RT: 12.13 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN049798.D

Acq: 13 Jul 2018 15:43

Instrument :

MSVOA_N

ClientSampled :

VN0713WBSD01

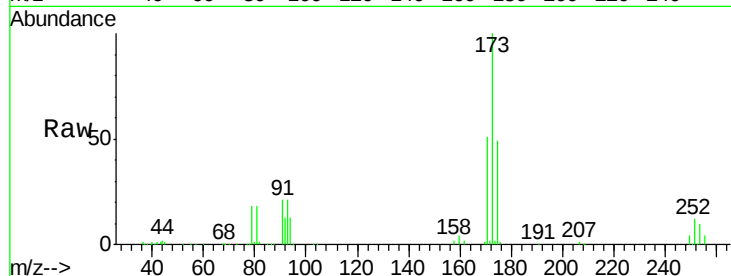
Tot Ion:173 Resp: 191302

Ion Ratio Lower Upper

173 100

175 49.3 24.6 73.8

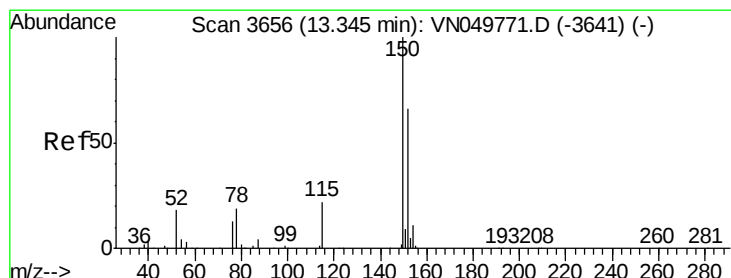
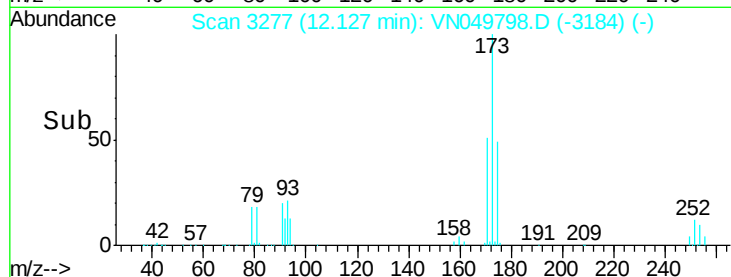
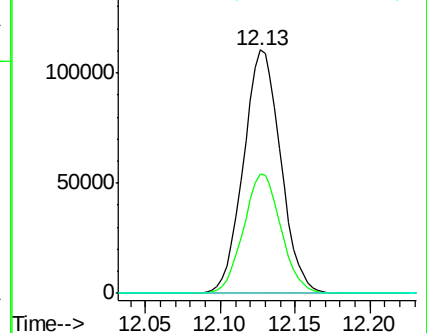
254 0.1 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN049798.D

Acq: 13 Jul 2018 15:43

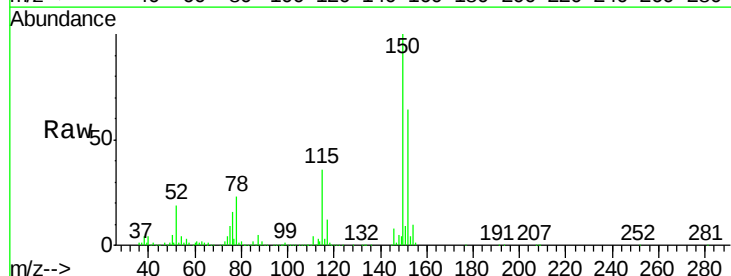
Tgt Ion:152 Resp: 742499

Ion Ratio Lower Upper

152 100

115 56.6 28.1 84.2

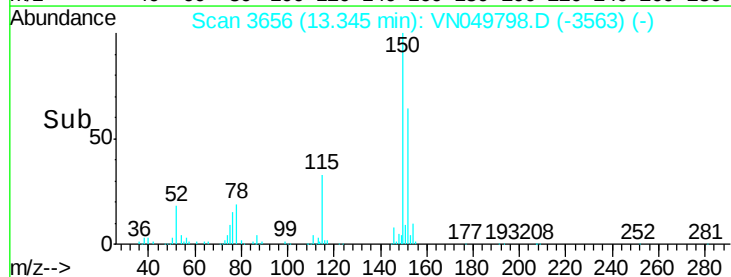
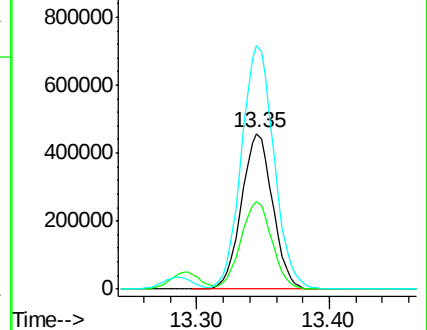
150 164.7 0.0 347.6

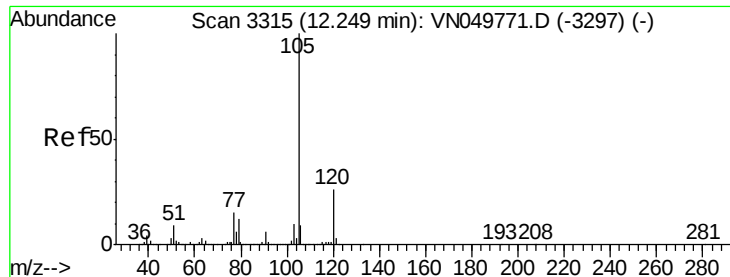


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.92 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN049798.D

Acq: 13 Jul 2018 15:43

Instrument :

MSVOA_N

ClientSampleId :

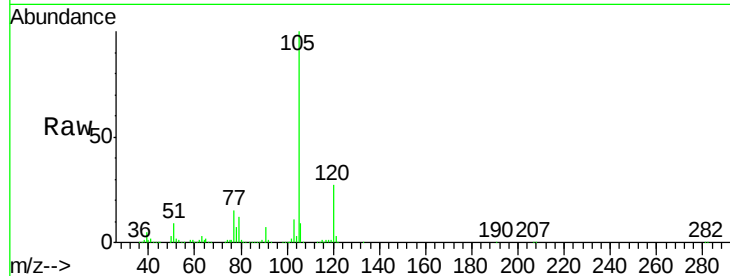
VN0713WBSD01

Tot Ion:105 Resp: 1229219

Ion Ratio Lower Upper

105 100

120 26.8 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

800000

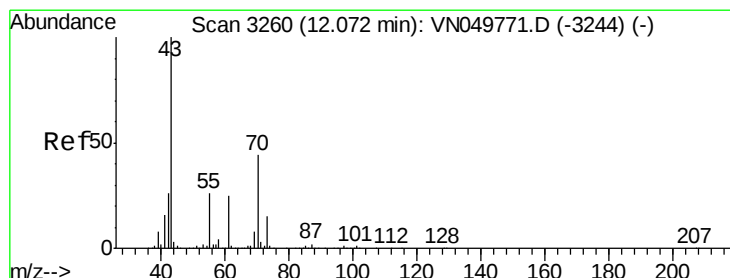
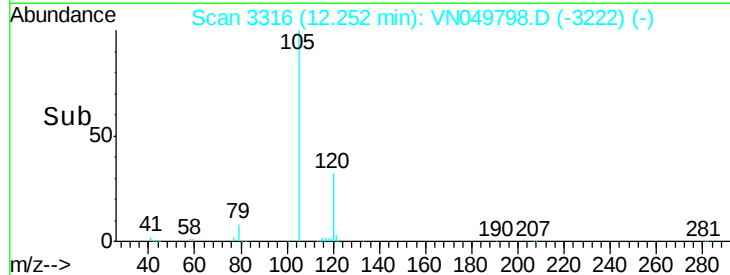
600000

400000

200000

0

Time-->



#74

N-ethyl acetate

Concen: 19.07 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN049798.D

Acq: 13 Jul 2018 15:43

Tgt Ion: 43 Resp: 306205

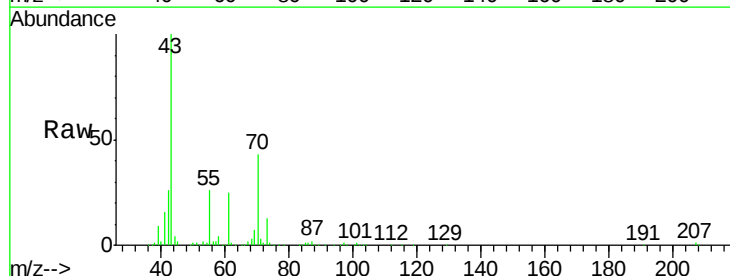
Ion Ratio Lower Upper

43 100

70 44.0 34.8 52.2

55 27.3 20.9 31.3

61 25.1 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

300000

250000

200000

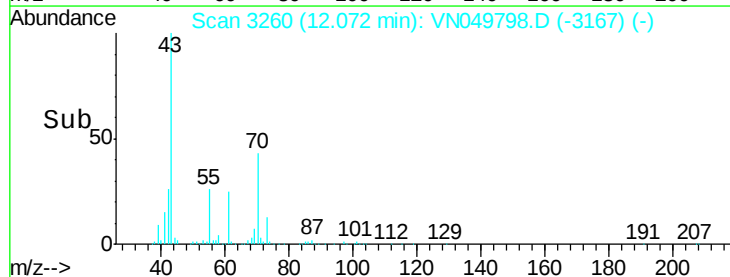
150000

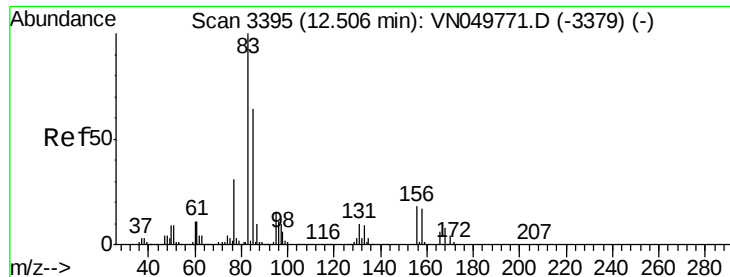
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 21.14 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN049798.D

Acq: 13 Jul 2018 15:43

Instrument :

MSVOA_N

ClientSampleId :

VN0713WBSD01

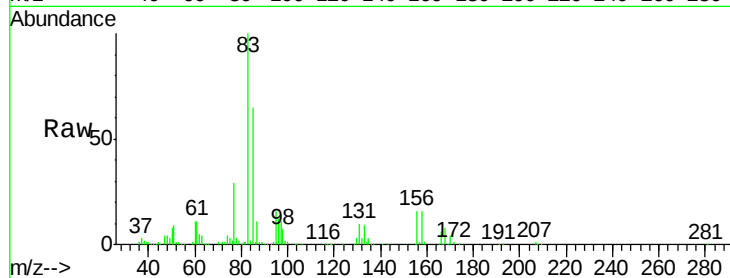
Tot Ion: 83 Resp: 316776

Ion Ratio Lower Upper

83 100

131 10.2 5.2 15.6

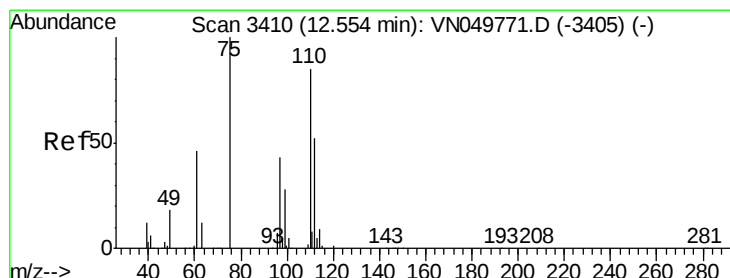
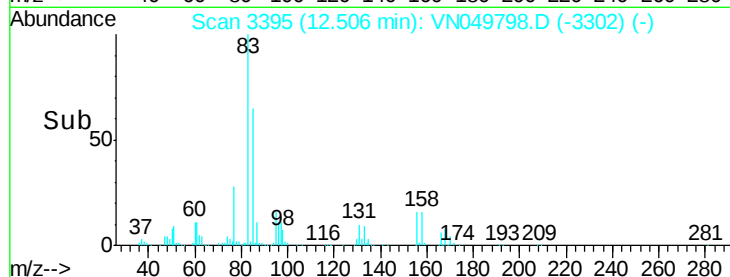
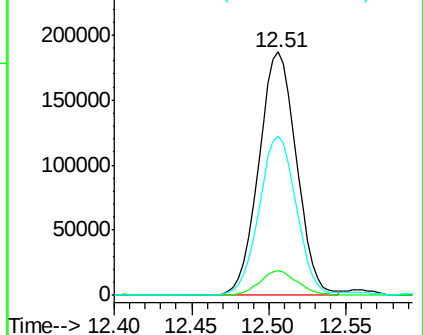
85 64.7 32.5 97.4



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: 27.42 ug/l

RT: 12.55 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN049798.D

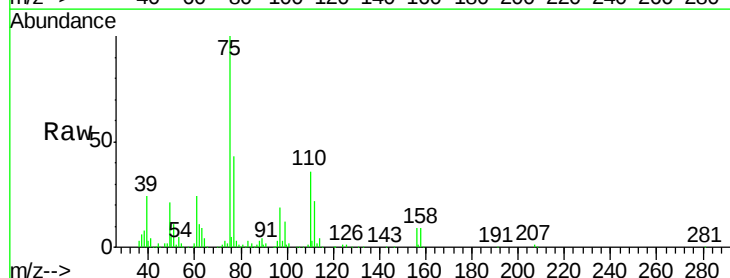
Acq: 13 Jul 2018 15:43

Tgt Ion: 75 Resp: 361728

Ion Ratio Lower Upper

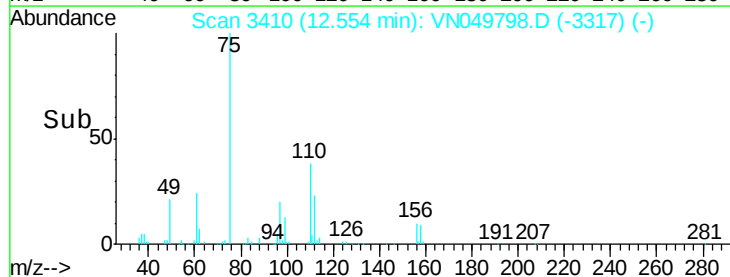
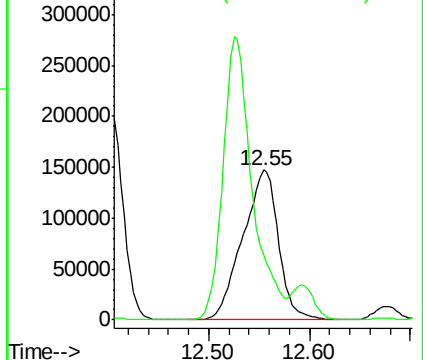
75 100

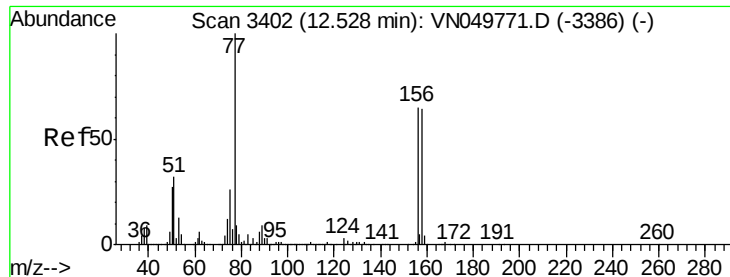
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 19.55 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN049798.D

Acq: 13 Jul 2018 15:43

Instrument :

MSVOA_N

ClientSampled :

VN0713WBSD01

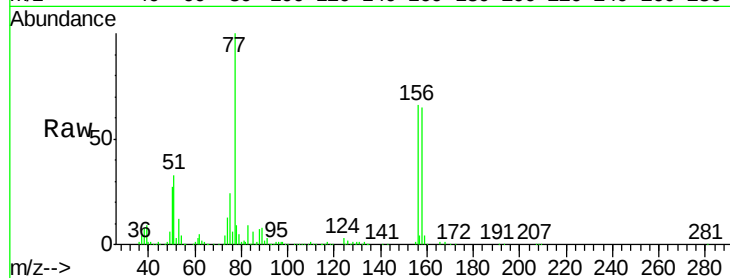
Tot Ion:156 Resp: 319955

Ion Ratio Lower Upper

156 100

77 176.5 90.2 270.6

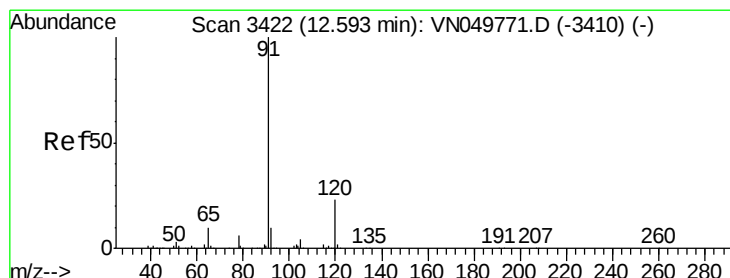
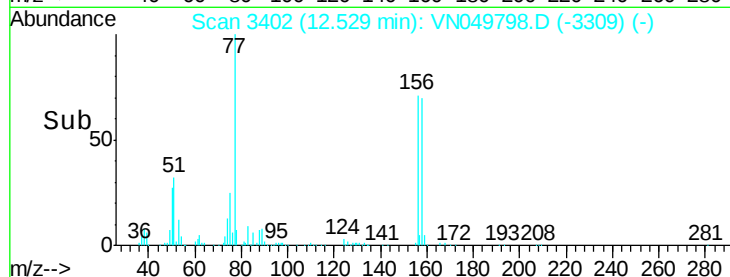
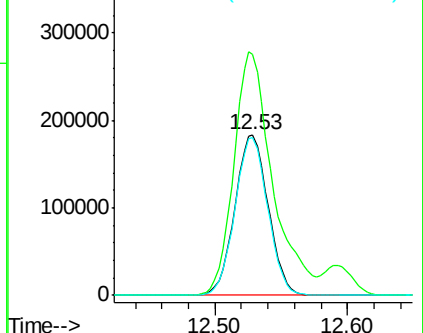
158 97.0 49.1 147.3



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: 19.93 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN049798.D

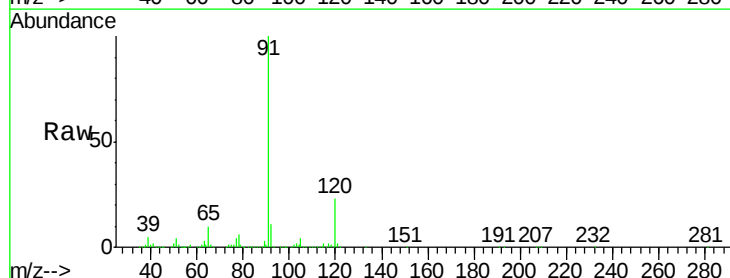
Acq: 13 Jul 2018 15:43

Tgt Ion: 91 Resp: 1386818

Ion Ratio Lower Upper

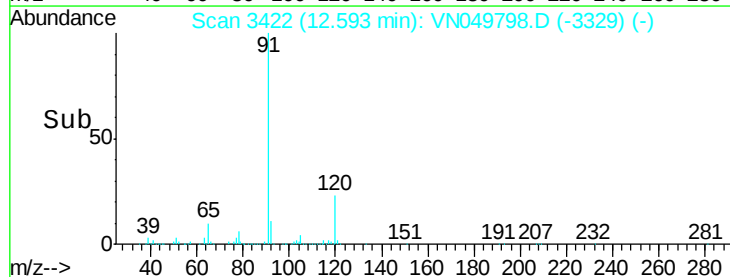
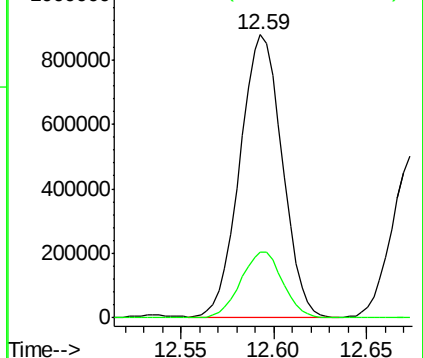
91 100

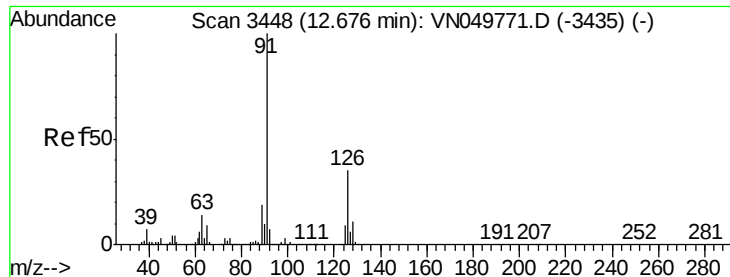
120 23.2 11.5 34.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.99 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN049798.D

Acq: 13 Jul 2018 15:43

Instrument :

MSVOA_N

ClientSampleId :

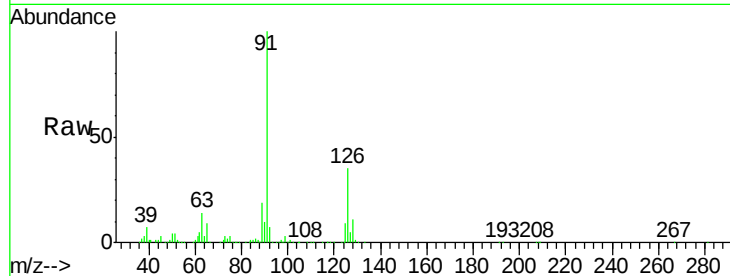
VN0713WBSD01

Tot Ion: 91 Resp: 851337

Ion Ratio Lower Upper

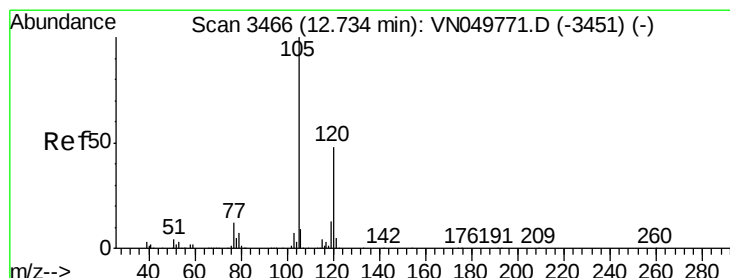
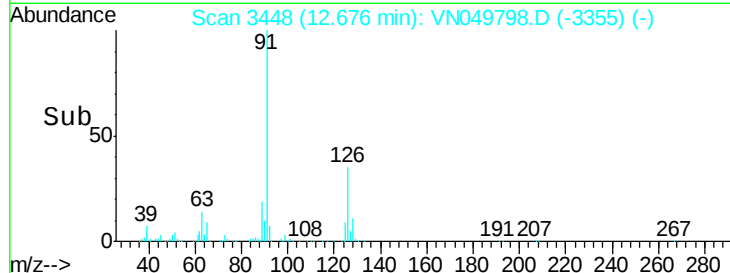
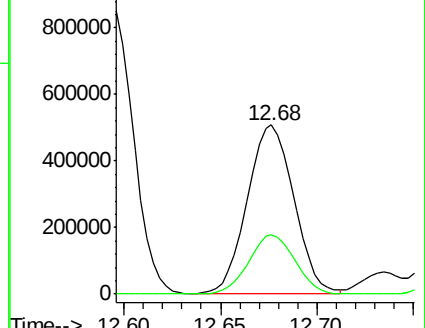
91 100

126 35.1 17.5 52.5



Abundance Ion 91.00 (90.70 to 91.70): VN049771.D (-3435) (-)

Ion 125.90 (125.60 to 126.60): VN049771.D (-3435) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.50 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN049798.D

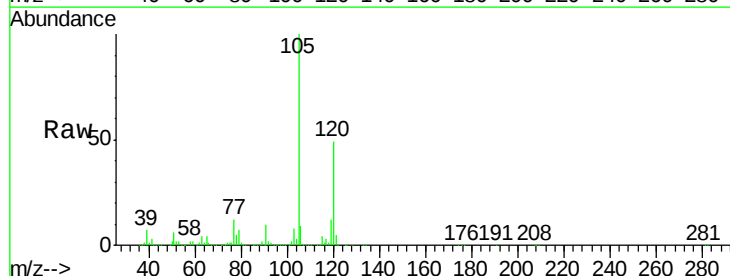
Acq: 13 Jul 2018 15:43

Tgt Ion:105 Resp: 1005283

Ion Ratio Lower Upper

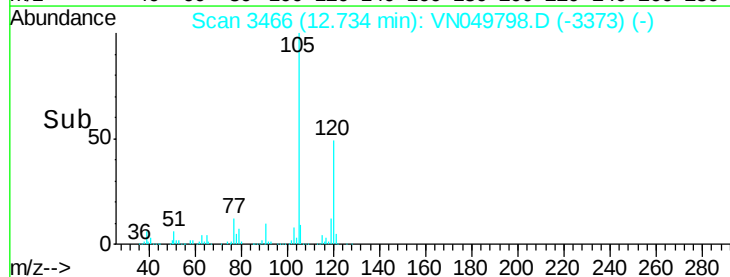
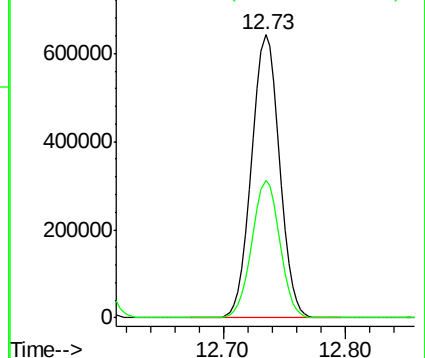
105 100

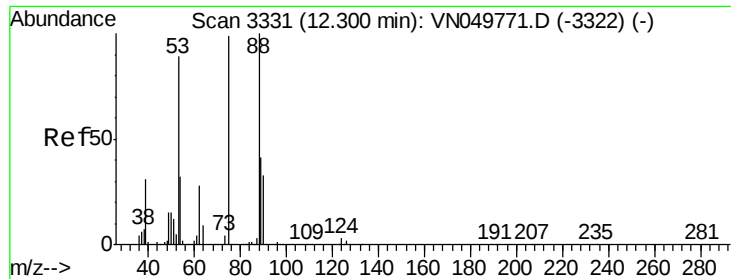
120 48.5 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): VN049771.D (-3451) (-)

Ion 120.00 (119.70 to 120.70): VN049771.D (-3451) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 18.57 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN049798.D

Acq: 13 Jul 2018 15:43

Instrument :

MSVOA_N

ClientSampleId :

VN0713WBSD01

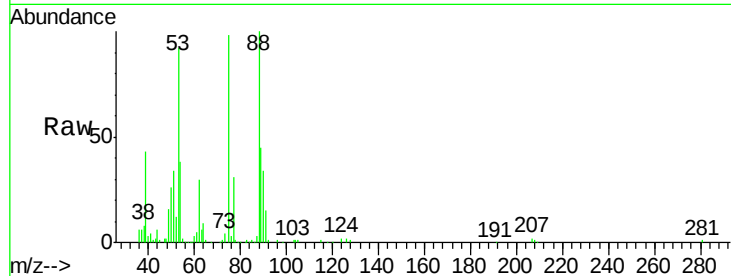
Tot Ion: 75 Resp: 75862

Ion Ratio Lower Upper

75 100

53 97.0 73.9 110.9

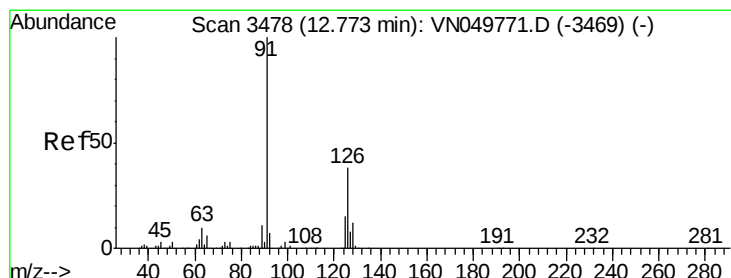
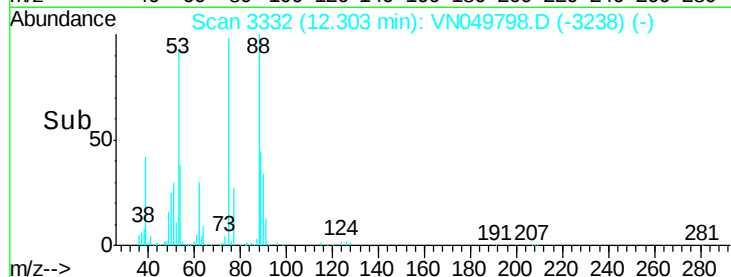
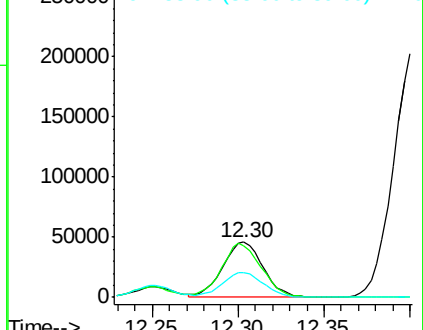
89 46.0 35.9 53.9



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 20.17 ug/l

RT: 12.78 min Scan# 3479

Delta R.T. 0.00 min

Lab File: VN049798.D

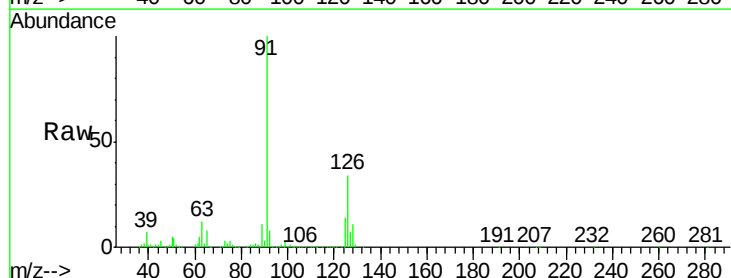
Acq: 13 Jul 2018 15:43

Tgt Ion: 91 Resp: 851688

Ion Ratio Lower Upper

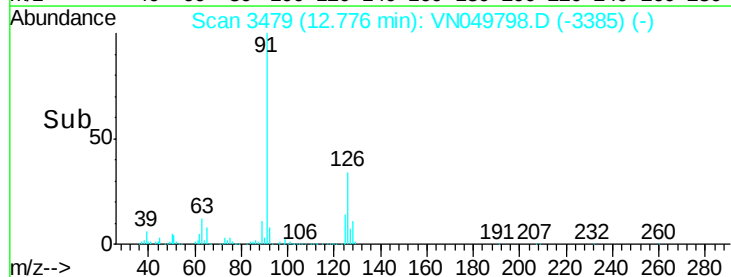
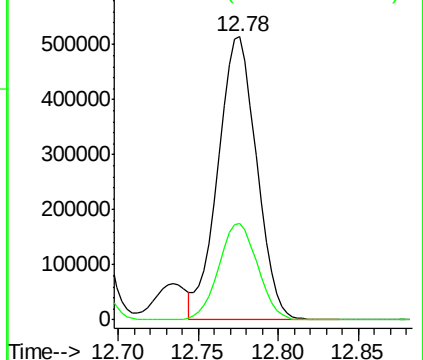
91 100

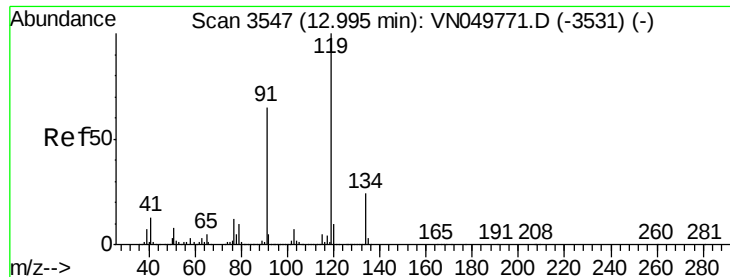
126 34.2 17.2 51.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 20.00 ug/l

RT: 12.99 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN049798.D

Acq: 13 Jul 2018 15:43

Instrument :

MSVOA_N

ClientSampled :

VN0713WBSD01

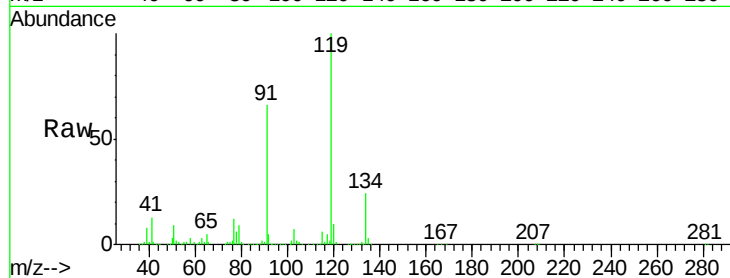
Tot Ion:119 Resp: 877367

Ion Ratio Lower Upper

119 100

91 63.8 32.0 96.2

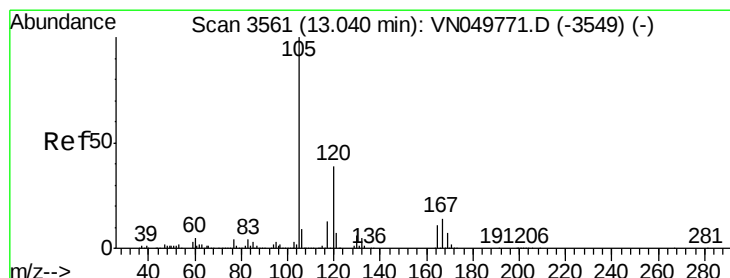
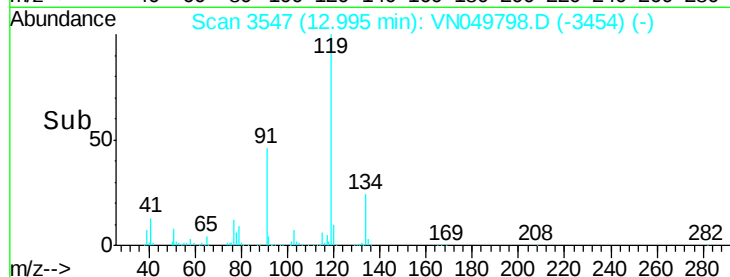
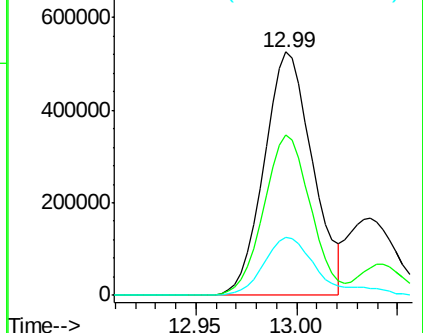
134 26.8 12.8 38.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 20.72 ug/l

RT: 13.04 min Scan# 3562

Delta R.T. 0.00 min

Lab File: VN049798.D

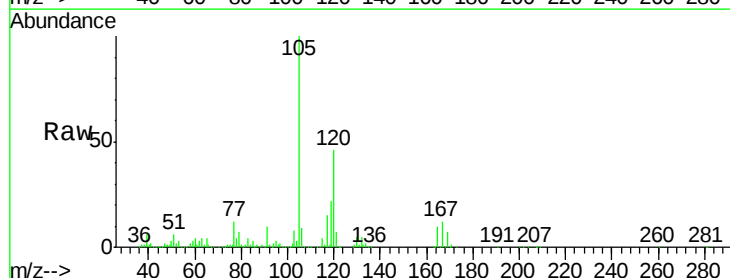
Acq: 13 Jul 2018 15:43

Tgt Ion:105 Resp: 1018835

Ion Ratio Lower Upper

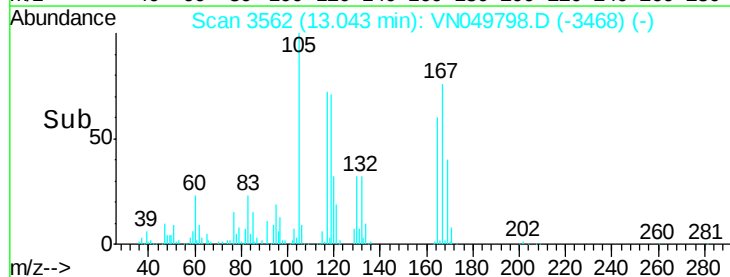
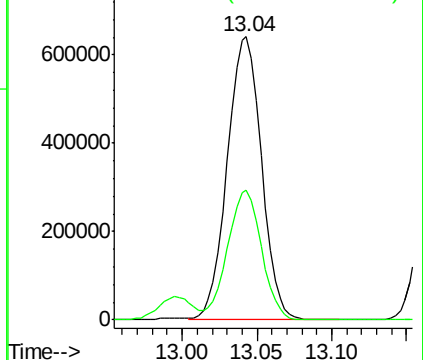
105 100

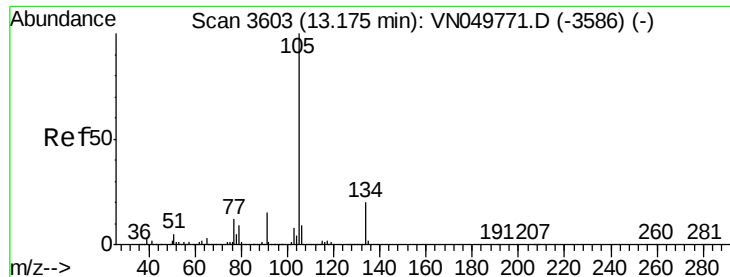
120 45.5 22.7 68.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 20.22 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN049798.D

Acq: 13 Jul 2018 15:43

Instrument :

MSVOA_N

ClientSampleId :

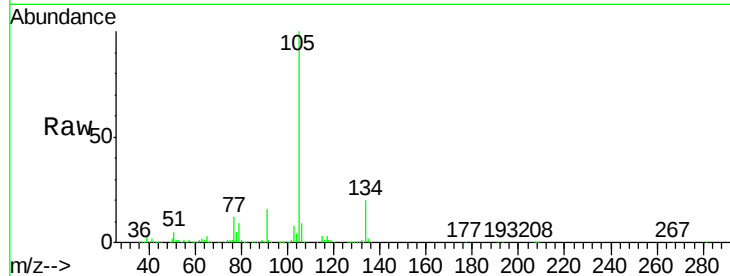
VN0713WBSD01

Tot Ion:105 Resp: 1162898

Ion Ratio Lower Upper

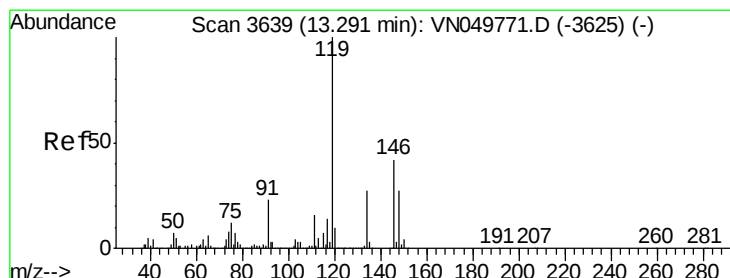
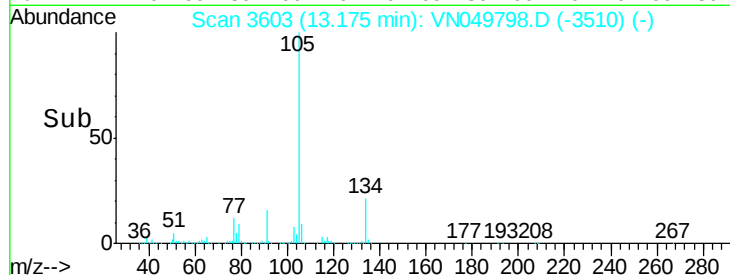
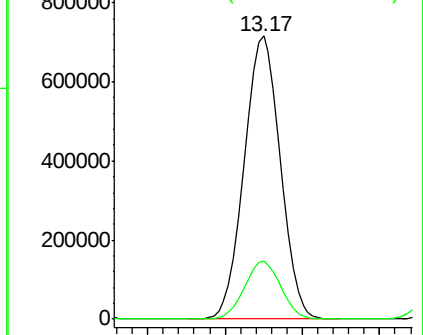
105 100

134 20.5 10.1 30.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.51 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN049798.D

Acq: 13 Jul 2018 15:43

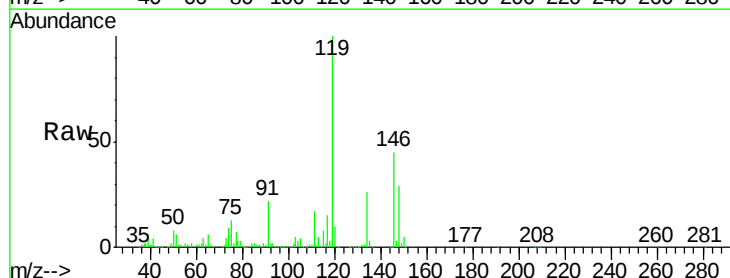
Tgt Ion:119 Resp: 997993

Ion Ratio Lower Upper

119 100

134 26.4 13.3 39.9

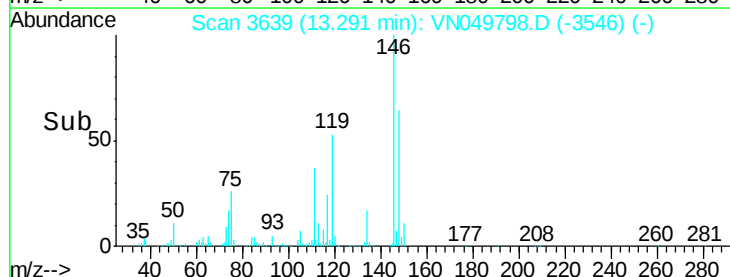
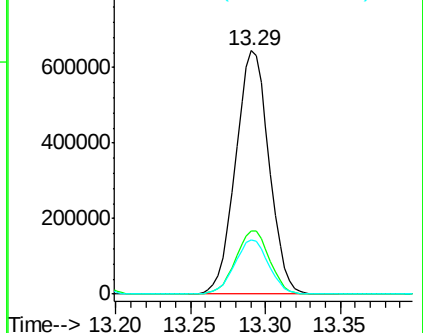
91 22.5 11.4 34.1

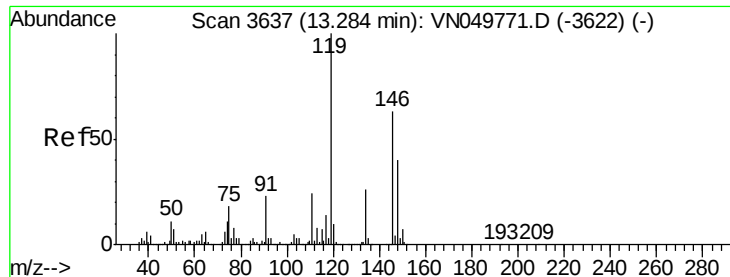


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

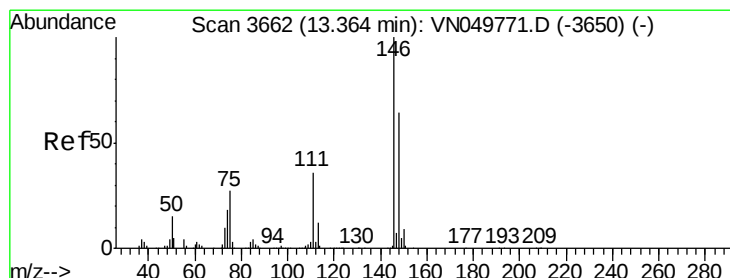
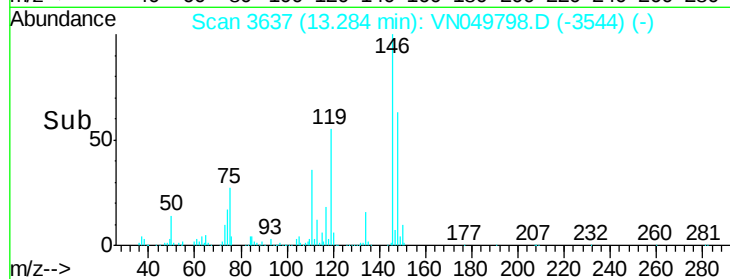
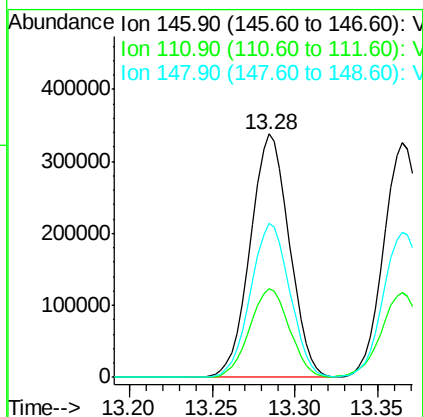
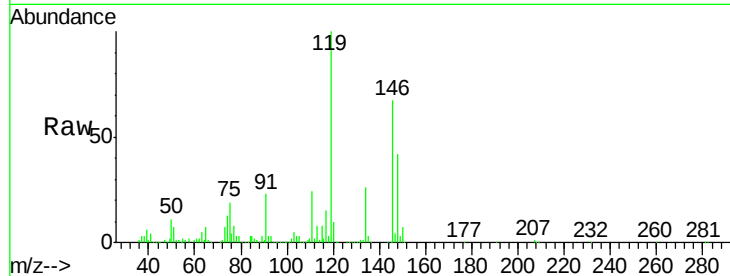




#87
 1,3-Dichlorobenzene
 Concen: 19.49 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. 0.00 min
 Lab File: VN049798.D
 Acq: 13 Jul 2018 15:43

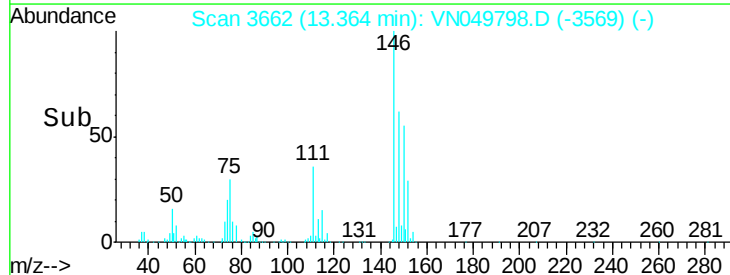
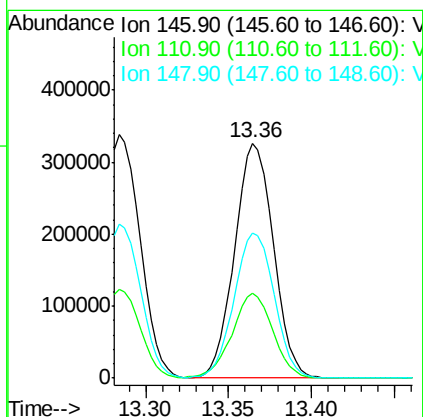
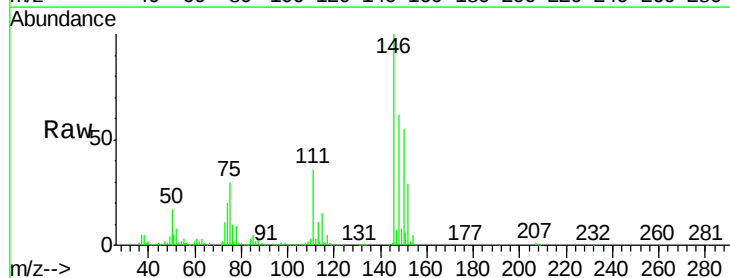
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0713WBSD01

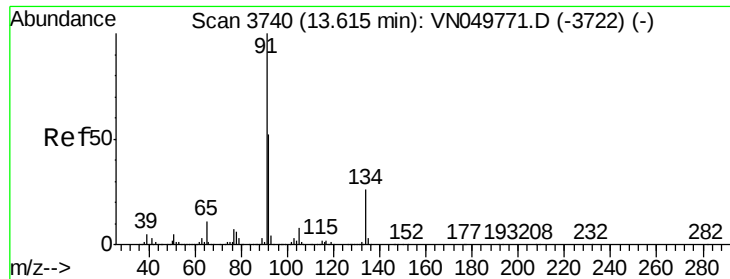
Tot Ion:146 Resp: 553271
 Ion Ratio Lower Upper
 146 100
 111 37.2 19.0 57.0
 148 63.6 32.5 97.5



#88
 1,4-Dichlorobenzene
 Concen: 19.26 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VN049798.D
 Acq: 13 Jul 2018 15:43

Tgt Ion:146 Resp: 531341
 Ion Ratio Lower Upper
 146 100
 111 37.8 18.9 56.5
 148 63.9 32.1 96.3

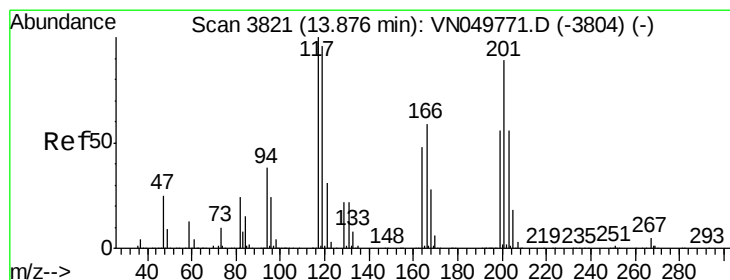
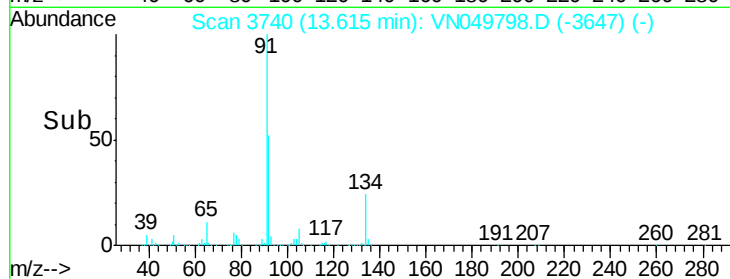
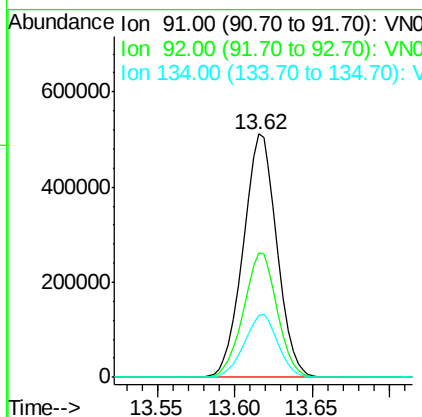
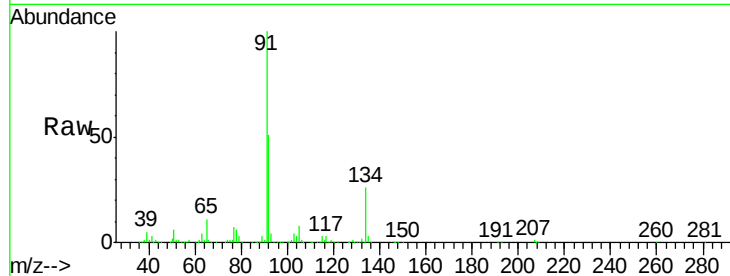




#89
n-Butylbenzene
Concen: 19.32 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. 0.00 min
Lab File: VN049798.D
Acq: 13 Jul 2018 15:43

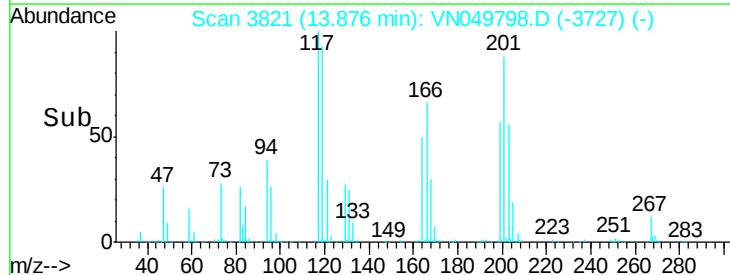
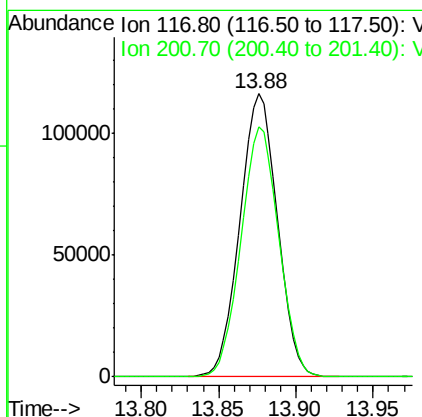
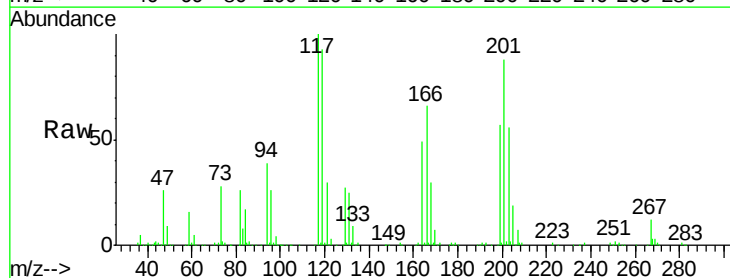
Instrument :
MSVOA_N
ClientSampled :
VN0713WBSD01

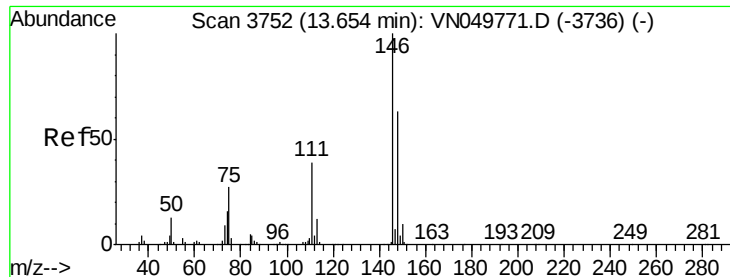
Tot Ion: 91 Resp: 776083
Ion Ratio Lower Upper
91 100
92 51.1 25.8 77.3
134 25.8 13.0 38.9



#90
Hexachloroethane
Concen: 20.37 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN049798.D
Acq: 13 Jul 2018 15:43

Tgt Ion: 117 Resp: 196482
Ion Ratio Lower Upper
117 100
201 88.8 45.3 135.8

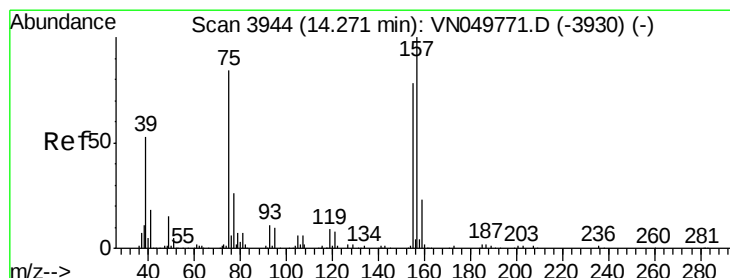
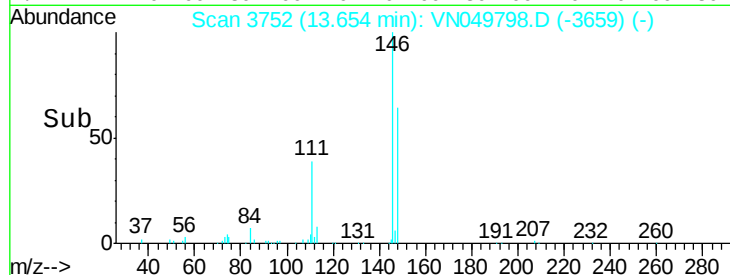
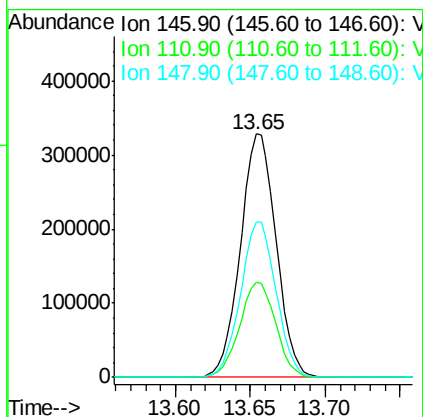
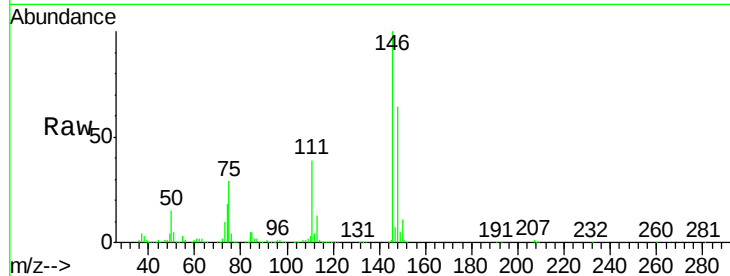




#91
 1,2-Dichlorobenzene
 Concen: 19.70 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. 0.00 min
 Lab File: VN049798.D
 Acq: 13 Jul 2018 15:43

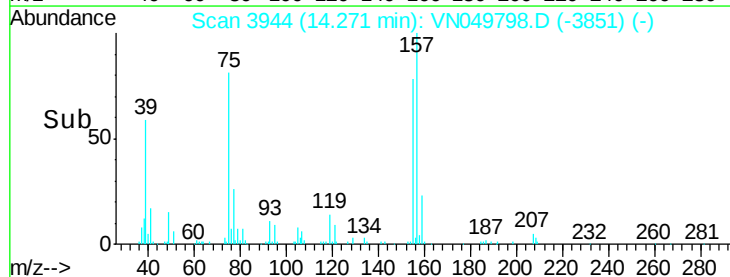
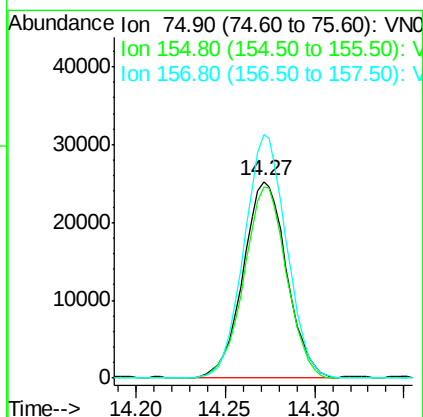
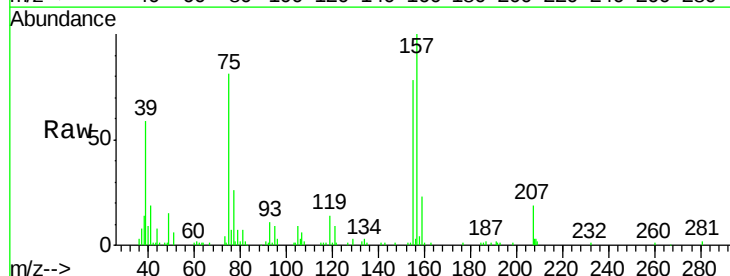
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0713WBSD01

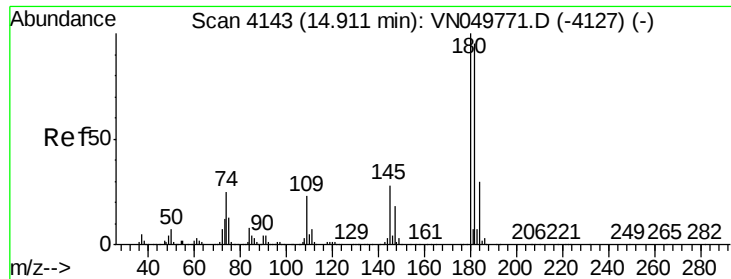
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.7	59.1
148	63.5	32.0	96.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.50 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN049798.D
 Acq: 13 Jul 2018 15:43

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.7	45.7	137.1
157	120.3	56.9	170.7

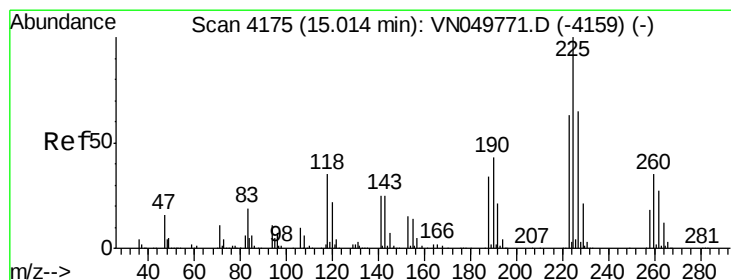
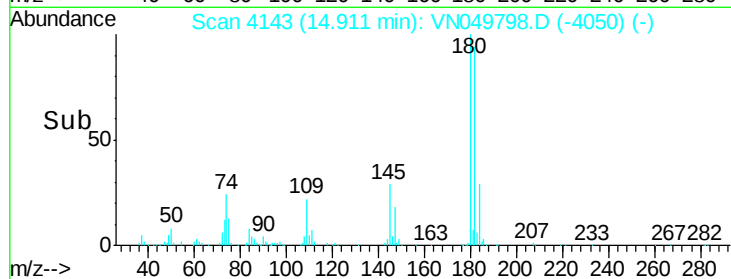
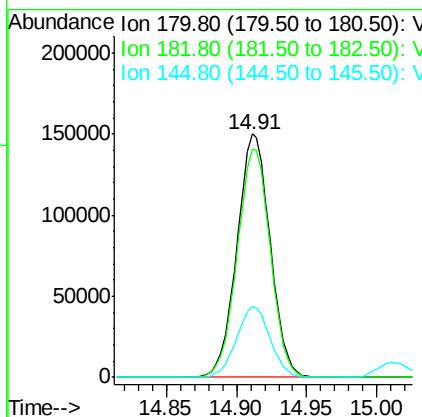
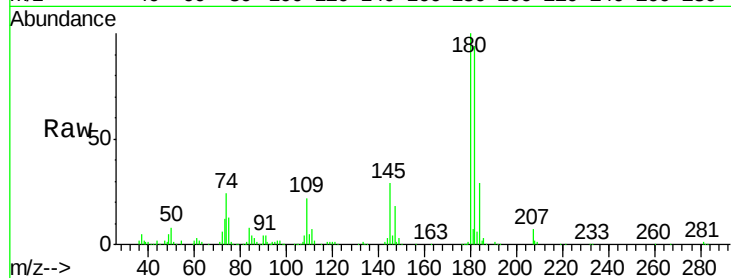




#93
 1,2,4-Trichlorobenzene
 Concen: 18.18 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN049798.D
 Acq: 13 Jul 2018 15:43

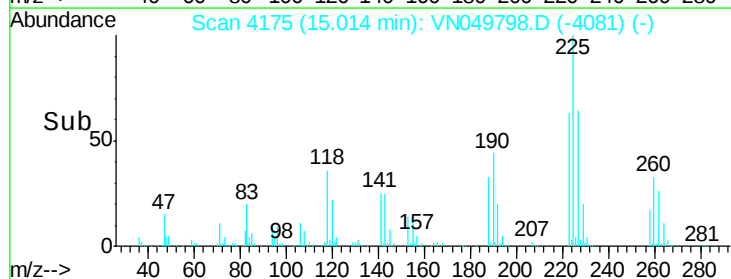
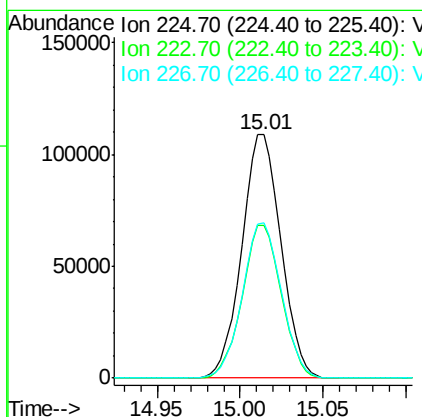
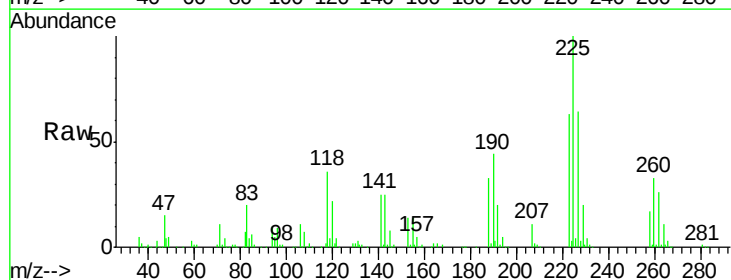
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0713WBSD01

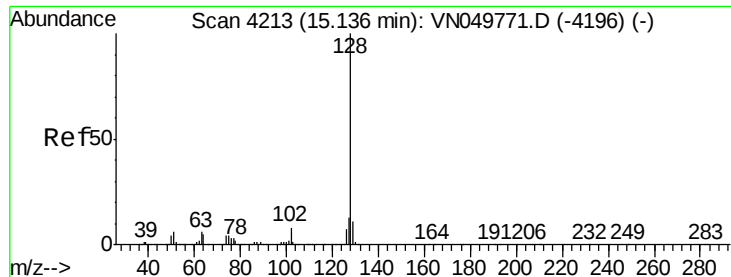
Tot Ion	Ratio	Lower	Upper
180	100		
182	93.9	47.3	141.9
145	29.5	14.4	43.0



#94
 Hexachlorobutadiene
 Concen: 20.44 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN049798.D
 Acq: 13 Jul 2018 15:43

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.6	30.9	92.7
227	63.7	31.8	95.4





#95

Naphthalene

Concen: 17.09 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN049798.D

Acq: 13 Jul 2018 15:43

Instrument :

MSVOA_N

ClientSampled :

VN0713WBSD01

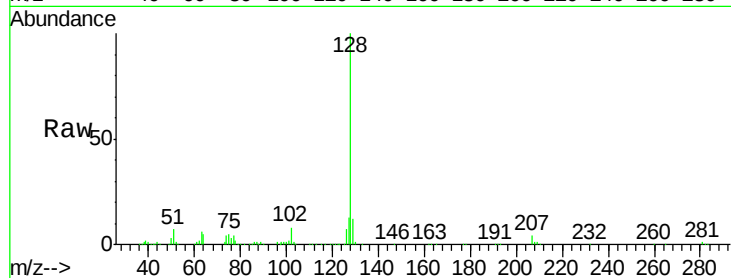
Tot Ion:128 Resp: 466396

Ion Ratio Lower Upper

128 100

127 13.4 10.4 15.6

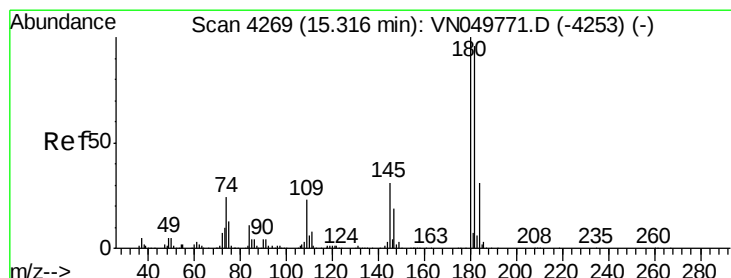
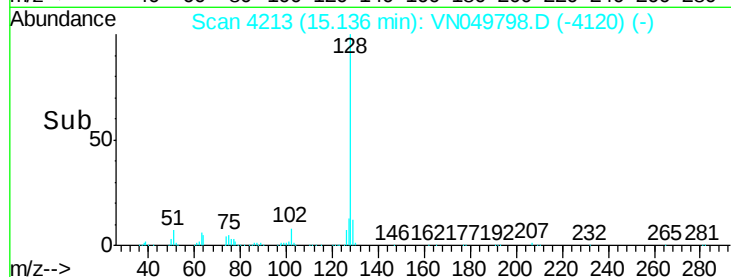
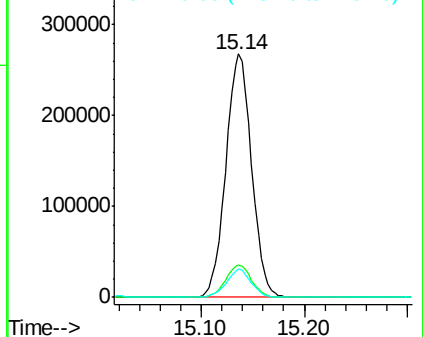
129 11.0 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 19.36 ug/l

RT: 15.32 min Scan# 4270

Delta R.T. 0.00 min

Lab File: VN049798.D

Acq: 13 Jul 2018 15:43

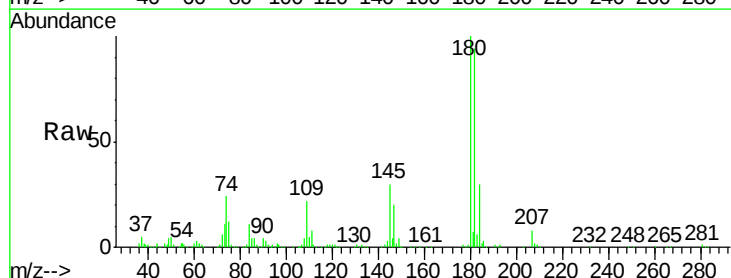
Tgt Ion:180 Resp: 260106

Ion Ratio Lower Upper

180 100

182 93.6 47.4 142.2

145 30.2 15.2 45.6



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

