

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071218\
 Data File : VN049784.D
 Acq On : 12 Jul 2018 21:54
 Operator : MD\SY
 Sample : VN0712WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 13 03:46:03 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	1184297	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1737053	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1566164	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	784801	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	661453	48.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.02%	
35) Dibromofluoromethane	7.59	113	628107	47.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.94%	
50) Toluene-d8	10.09	98	2089342	46.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.24%	
62) 4-Bromofluorobenzene	12.40	95	735644	45.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	201029	18.780	ug/l	99
3) Chloromethane	2.06	50	268720	19.092	ug/l	99
4) Vinyl Chloride	2.18	62	300771	19.630	ug/l	100
5) Bromomethane	2.57	94	177348	18.272	ug/l	98
6) Chloroethane	2.71	64	195356	18.545	ug/l	99
7) Trichlorofluoromethane	3.02	101	420189	18.712	ug/l	98
8) Diethyl Ether	3.42	74	146750	18.237	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.76	101	267484	18.352	ug/l	98
10) Methyl Iodide	3.96	142	342818	18.505	ug/l	100
11) Tert butyl alcohol	4.79	59	85976	93.244	ug/l	99
12) 1,1-Dichloroethene	3.74	96	230004	17.960	ug/l	99
13) Acrolein	3.61	56	70501	87.052	ug/l	98
14) Allyl chloride	4.33	41	371250	17.763	ug/l	99
15) Acrylonitrile	5.00	53	423415	91.695	ug/l	99
16) Acetone	3.82	43	302468	87.859	ug/l	99
17) Carbon Disulfide	4.06	76	626024	18.812	ug/l	100
18) Methyl Acetate	4.33	43	228135	19.375	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	667858	18.800	ug/l	99
20) Methylene Chloride	4.56	84	285206	19.622	ug/l	97
21) trans-1,2-Dichloroethene	5.05	96	250682	17.908	ug/l	99
22) Diisopropyl ether	5.96	45	832574	19.393	ug/l	99
23) Vinyl Acetate	5.90	43	2666776	92.692	ug/l	99
24) 1,1-Dichloroethane	5.85	63	509016	18.873	ug/l	99
25) 2-Butanone	6.84	43	472947	88.094	ug/l	100
26) 2,2-Dichloropropane	6.83	77	378774	16.921	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	296070	18.494	ug/l	99
28) Bromochloromethane	7.20	49	239176	19.497	ug/l	98
29) Tetrahydrofuran	7.22	42	310359	92.060	ug/l	100
30) Chloroform	7.37	83	527204	18.971	ug/l	99
31) Cyclohexane	7.66	56	405362	18.724	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	447694	18.969	ug/l	100
36) 1,1-Dichloropropene	7.80	75	364698	18.219	ug/l	100
37) Ethyl Acetate	6.94	43	225895	19.065	ug/l	100
38) Carbon Tetrachloride	7.78	117	390104	18.642	ug/l	98

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 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 13 03:46:03 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)
39) Methylcyclohexane	9.08	83	372720	17.665	ug/l	99
40) Benzene	8.05	78	1131361	18.893	ug/l	99
41) Methacrylonitrile	7.17	41	92465	13.796	ug/l #	75
42) 1,2-Dichloroethane	8.13	62	367925	18.784	ug/l	100
43) Isopropyl Acetate	8.17	43	397529	18.666	ug/l	97
44) Trichloroethene	8.84	130	294611	18.272	ug/l	99
45) 1,2-Dichloropropane	9.12	63	306435	19.042	ug/l	97
46) Dibromomethane	9.21	93	178292	18.654	ug/l	99
47) Bromodichloromethane	9.41	83	396918	18.858	ug/l	98
48) Methyl methacrylate	9.20	41	195051	18.318	ug/l	97
49) 1,4-Dioxane	9.20	88	52272	374.650	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	1108543	95.867	ug/l	100
52) Toluene	10.16	92	688585	19.214	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	367489	18.152	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	428060	18.563	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	265511	19.163	ug/l	99
56) Ethyl methacrylate	10.43	69	299291	18.501	ug/l	98
57) 1,3-Dichloropropane	10.71	76	429392	18.807	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	734157	94.627	ug/l	100
59) 2-Hexanone	10.75	43	691463	89.949	ug/l	98
60) Dibromochloromethane	10.90	129	294821	18.779	ug/l	99
61) 1,2-Dibromoethane	11.01	107	240014	18.403	ug/l	98
64) Tetrachloroethene	10.63	164	268007	18.847	ug/l	98
65) Chlorobenzene	11.44	112	759893	18.625	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	291171	18.968	ug/l	99
67) Ethyl Benzene	11.51	91	1253088	18.755	ug/l	100
68) m/p-Xylenes	11.62	106	970159	38.687	ug/l	99
69) o-Xylene	11.95	106	468007	19.319	ug/l	98
70) Styrene	11.97	104	751543	19.530	ug/l	100
71) Bromoform	12.13	173	196375	18.933	ug/l #	98
73) Isopropylbenzene	12.25	105	1252115	19.198	ug/l	99
74) N-amyl acetate	12.07	43	319751	18.845	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	315679	19.817	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	363989	26.107	ug/l #	100
77) Bromobenzene	12.53	156	324966	18.781	ug/l	99
78) n-propylbenzene	12.59	91	1408769	19.157	ug/l	100
79) 2-Chlorotoluene	12.68	91	872321	19.383	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1026081	19.796	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	73424	17.007	ug/l	99
82) 4-Chlorotoluene	12.77	91	858018	19.222	ug/l	100
83) tert-Butylbenzene	12.99	119	896896	19.340	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1035572	19.922	ug/l	99
85) sec-Butylbenzene	13.17	105	1182643	19.458	ug/l	99
86) p-Isopropyltoluene	13.29	119	998309	19.411	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	567436	18.915	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	535812	18.372	ug/l	99
89) n-Butylbenzene	13.62	91	782274	18.425	ug/l	99
90) Hexachloroethane	13.88	117	194405	19.014	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	561486	19.178	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	46720	19.973	ug/l	96

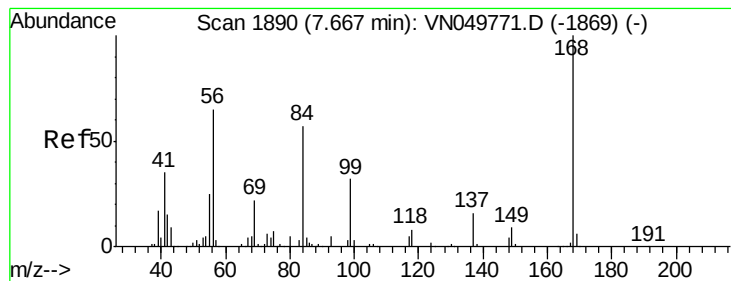
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071218\
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Sample : VN0712WBS01
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Instrument :
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ClientSampleId :

Quant Time: Jul 13 03:46:03 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)
93) 1,2,4-Trichlorobenzene	14.91	180	249652	17.514	ug/l	100
94) Hexachlorobutadiene	15.01	225	179082	19.329	ug/l	99
95) Naphthalene	15.14	128	490102	17.011	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	259609	18.284	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN049784.D

Acq: 12 Jul 2018 21:54

Instrument :

MSVOA_N

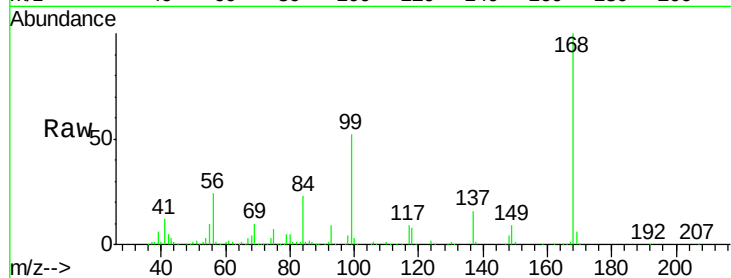
ClientSampled :

Tot Ion:168 Resp: 1184297

Ion Ratio Lower Upper

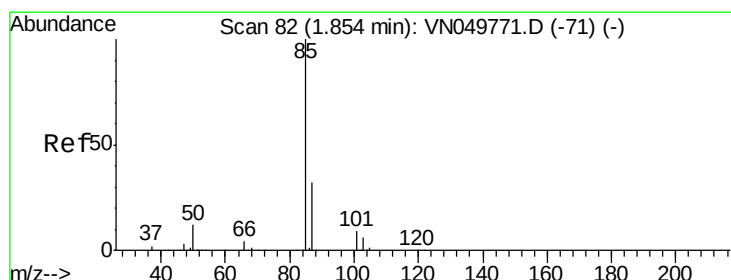
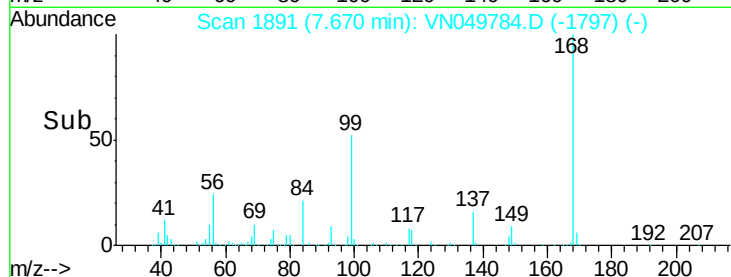
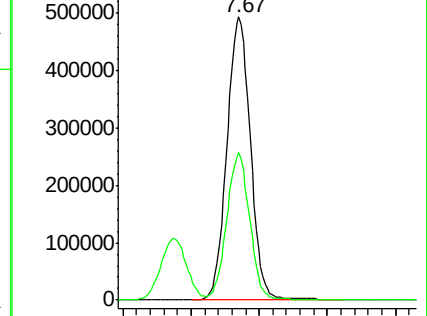
168 100

99 51.9 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: 18.780 ug/l

RT: 1.85 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN049784.D

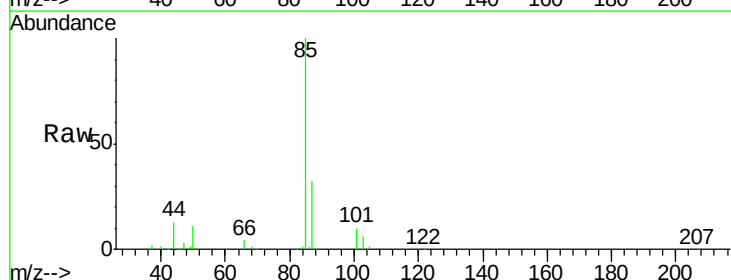
Acq: 12 Jul 2018 21:54

Tgt Ion: 85 Resp: 201029

Ion Ratio Lower Upper

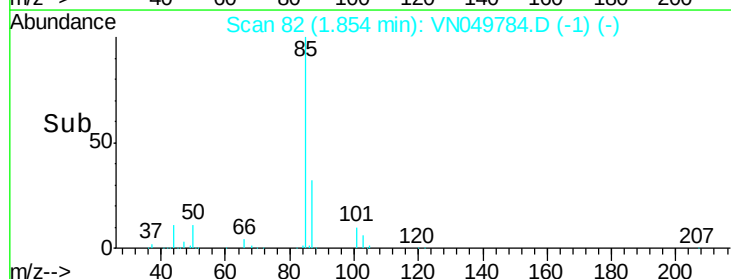
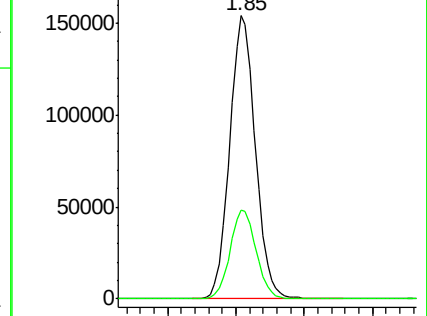
85 100

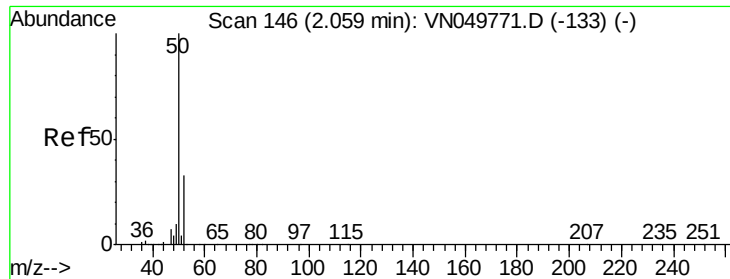
87 31.5 15.4 46.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 19.092 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN049784.D

Acq: 12 Jul 2018 21:54

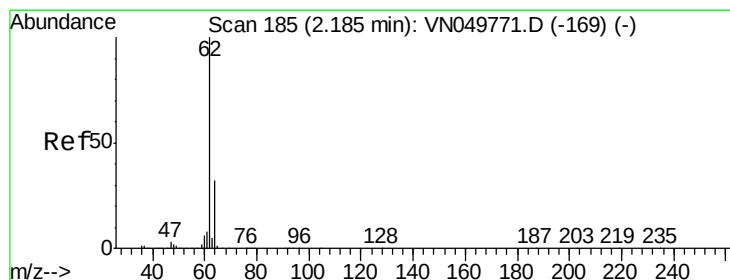
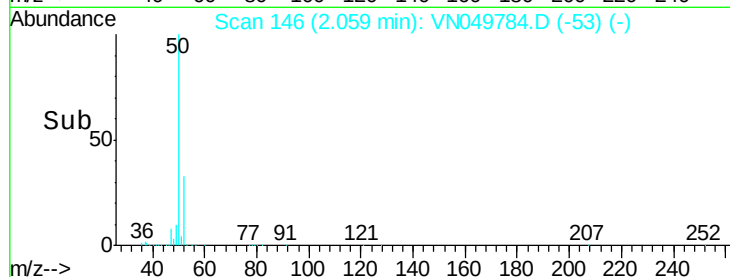
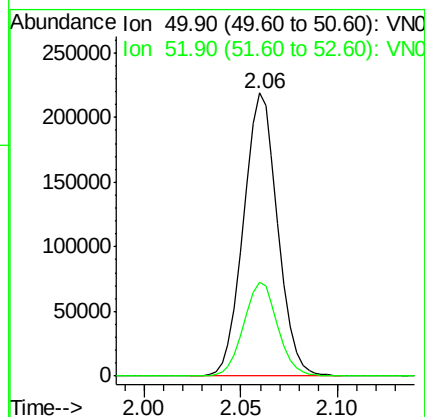
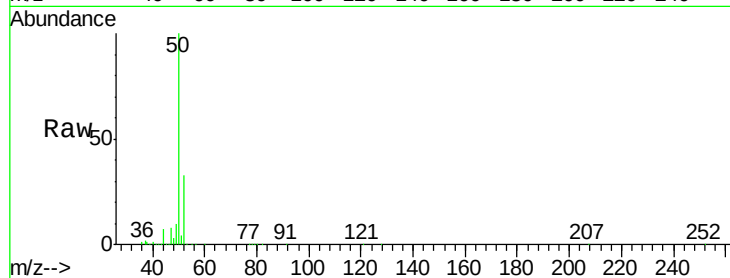
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 50 Resp: 268720

Ion Ratio Lower Upper

50 100

52 33.2 26.1 39.1



#4

Vinyl Chloride

Concen: 19.630 ug/l

RT: 2.18 min Scan# 185

Delta R.T. 0.00 min

Lab File: VN049784.D

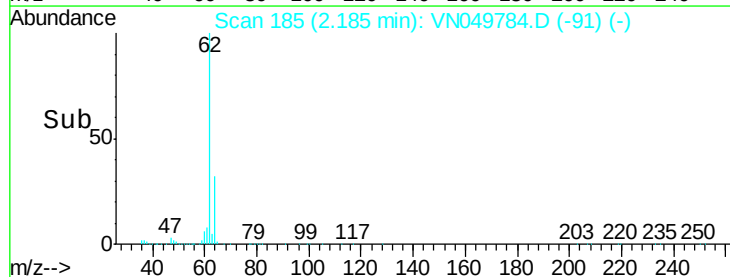
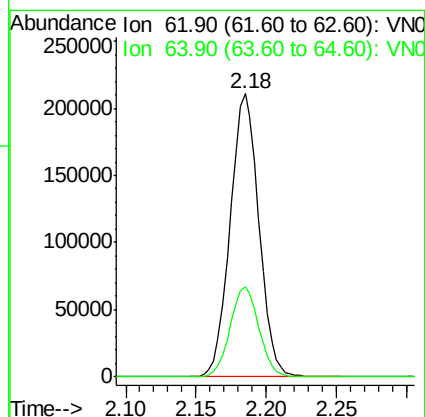
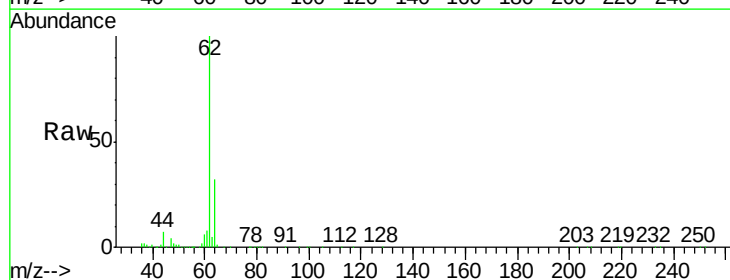
Acq: 12 Jul 2018 21:54

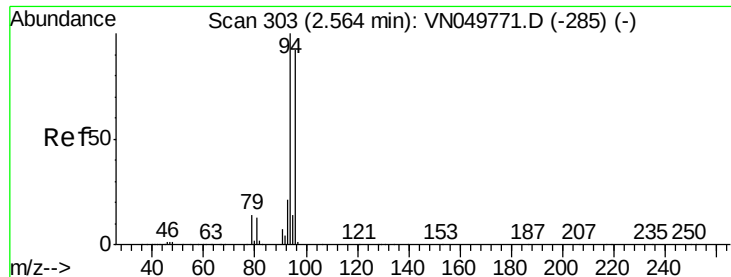
Tgt Ion: 62 Resp: 300771

Ion Ratio Lower Upper

62 100

64 31.6 25.4 38.0





#5

Bromomethane

Concen: 18.272 ug/l

RT: 2.57 min Scan# 304

Delta R.T. 0.00 min

Lab File: VN049784.D

Acq: 12 Jul 2018 21:54

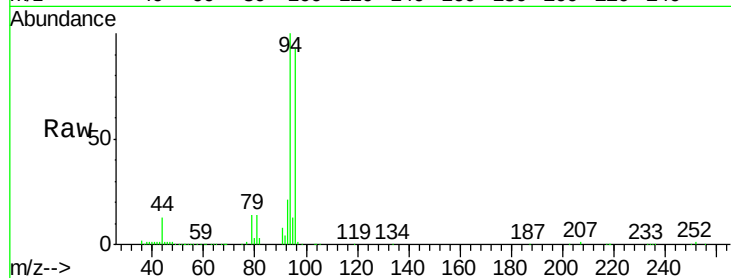
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 94 Resp: 177348

Ion Ratio Lower Upper

94 100

96 92.9 75.7 113.5



Abundance Ion 93.90 (93.60 to 94.60): VN049771.D (-285) (-)

Ion 95.90 (95.60 to 96.60): VN049771.D (-285) (-)

2.57

100000

80000

60000

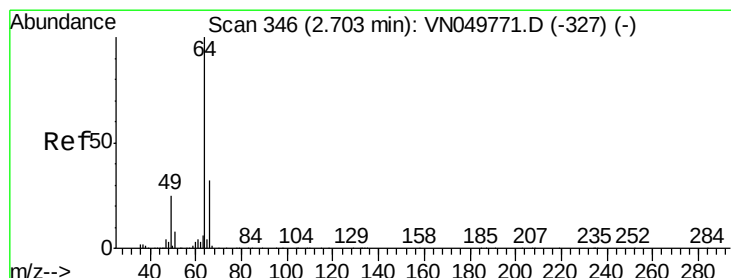
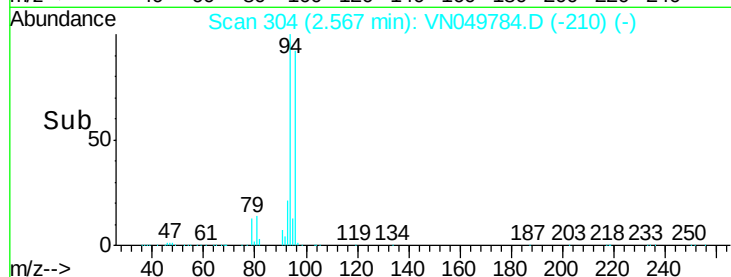
40000

20000

0

Time-->

2.50 2.55 2.60 2.65



#6

Chloroethane

Concen: 18.545 ug/l

RT: 2.71 min Scan# 347

Delta R.T. 0.00 min

Lab File: VN049784.D

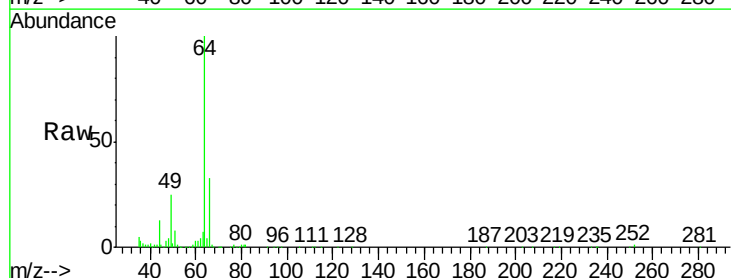
Acq: 12 Jul 2018 21:54

Tgt Ion: 64 Resp: 195356

Ion Ratio Lower Upper

64 100

66 32.6 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN049771.D (-327) (-)

Ion 65.90 (65.60 to 66.60): VN049771.D (-327) (-)

2.71

120000

100000

80000

60000

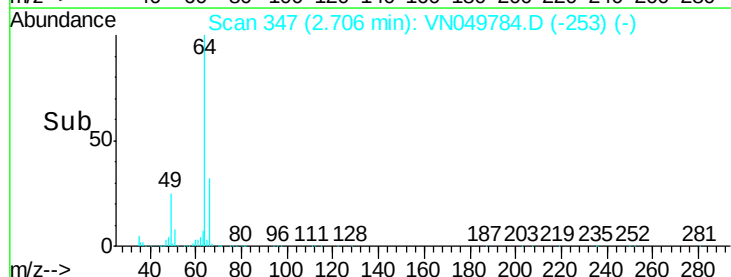
40000

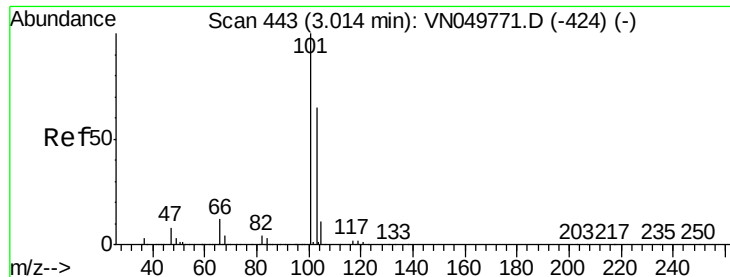
20000

0

Time-->

2.65 2.70 2.75 2.80



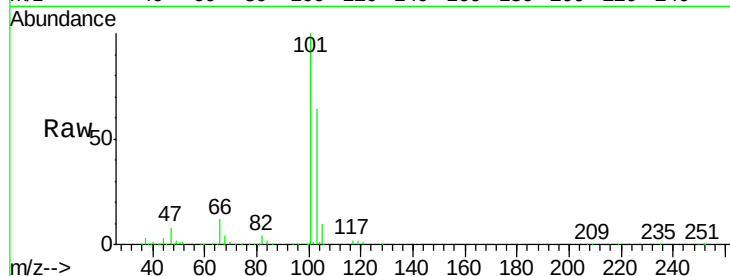


#7

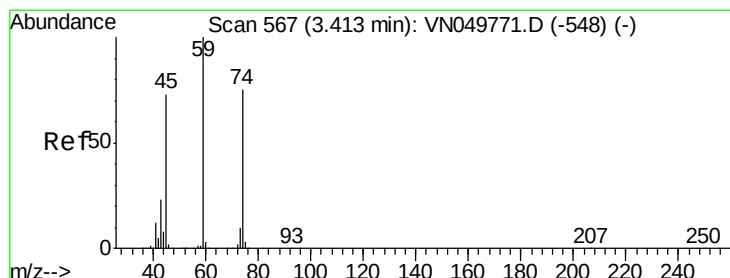
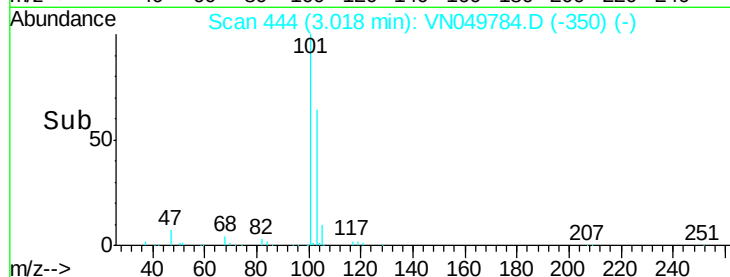
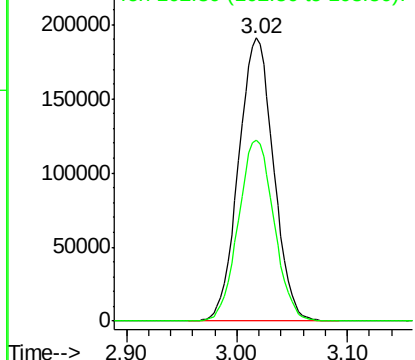
Trichlorofluoromethane
Concen: 18.712 ug/l
RT: 3.02 min Scan# 444
Delta R.T. 0.00 min
Lab File: VN049784.D
Acq: 12 Jul 2018 21:54

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:101 Resp: 420189
Ion Ratio Lower Upper
101 100
103 64.1 52.8 79.2



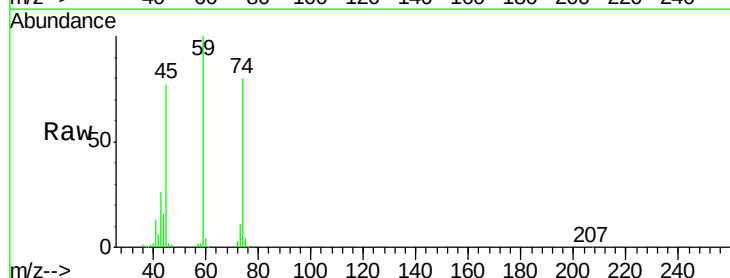
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



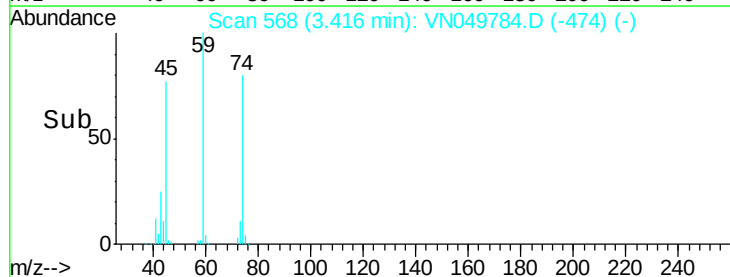
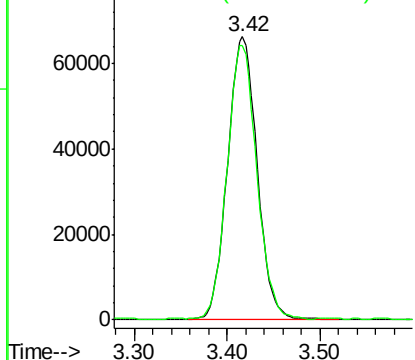
#8

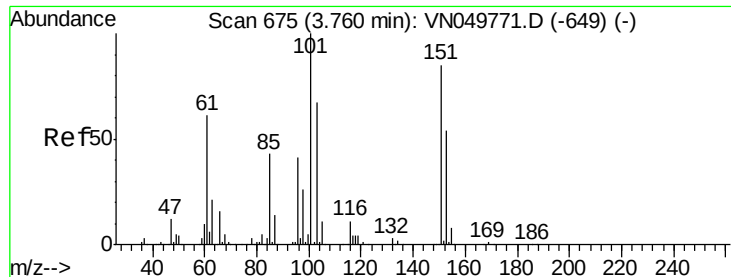
Diethyl Ether
Concen: 18.237 ug/l
RT: 3.42 min Scan# 568
Delta R.T. 0.00 min
Lab File: VN049784.D
Acq: 12 Jul 2018 21:54

Tgt Ion: 74 Resp: 146750
Ion Ratio Lower Upper
74 100
45 96.6 48.4 145.2



Abundance Ion 74.00 (73.70 to 74.70): VN0
Ion 45.00 (44.70 to 45.70): VN0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.352 ug/l

RT: 3.76 min Scan# 676

Delta R.T. 0.00 min

Lab File: VN049784.D

Acq: 12 Jul 2018 21:54

Instrument :

MSVOA_N

ClientSampled :

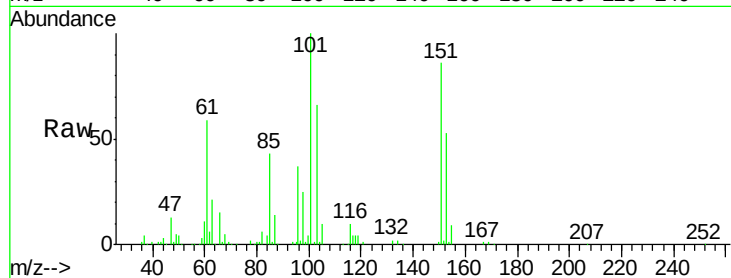
Tot Ion:101 Resp: 267484

Ion Ratio Lower Upper

101 100

85 41.5 34.4 51.6

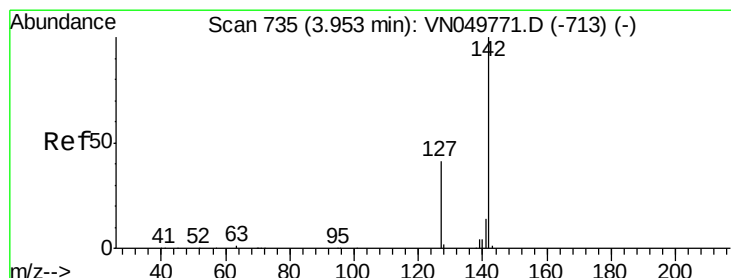
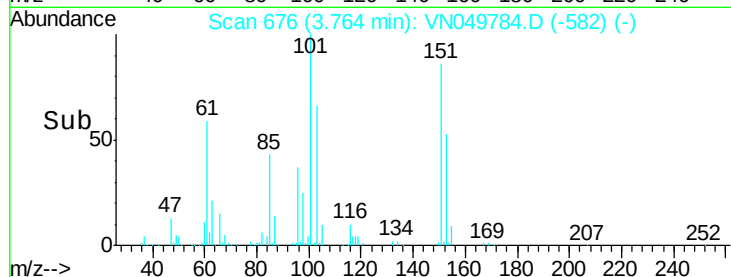
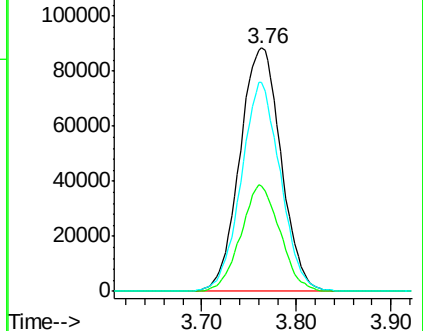
151 81.7 66.2 99.4



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: 18.505 ug/l

RT: 3.96 min Scan# 736

Delta R.T. 0.00 min

Lab File: VN049784.D

Acq: 12 Jul 2018 21:54

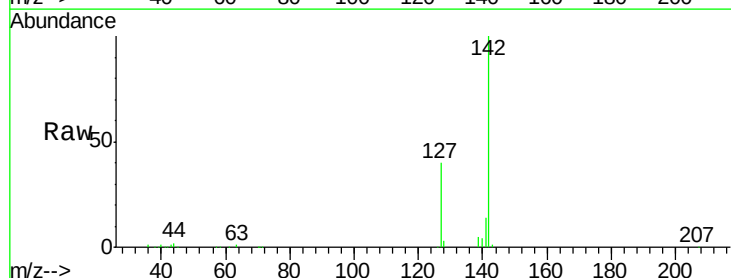
Tgt Ion:142 Resp: 342818

Ion Ratio Lower Upper

142 100

127 40.8 32.5 48.7

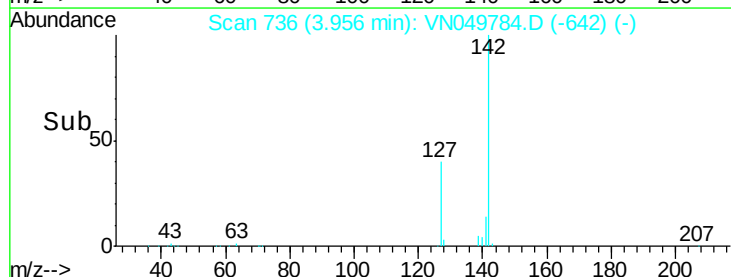
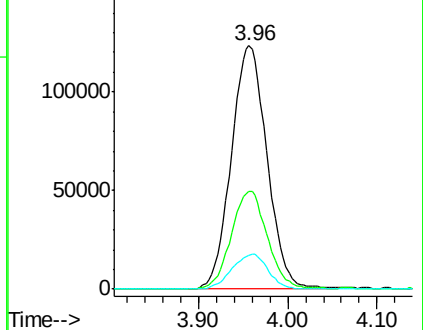
141 14.3 11.1 16.7

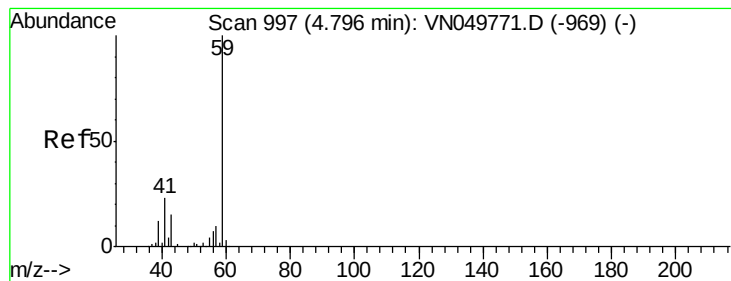


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



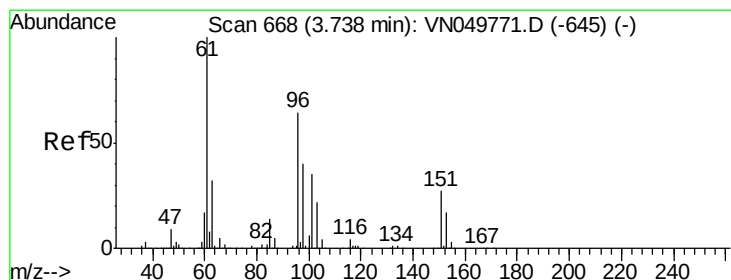
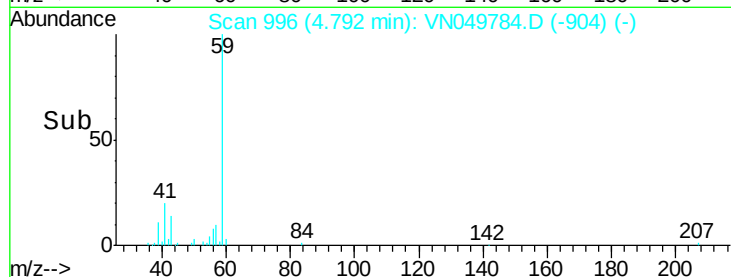
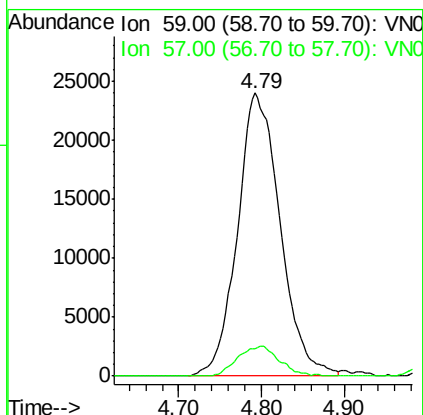
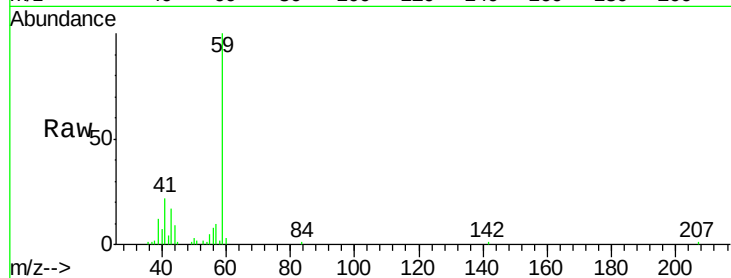


#11

Tert butyl alcohol
Concen: 93.244 ug/l
RT: 4.79 min Scan# 996
Delta R.T. -0.00 min
Lab File: VN049784.D
Acq: 12 Jul 2018 21:54

Instrument :
MSVOA_N
ClientSampled :

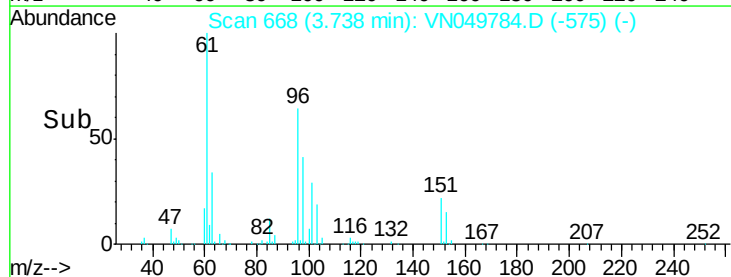
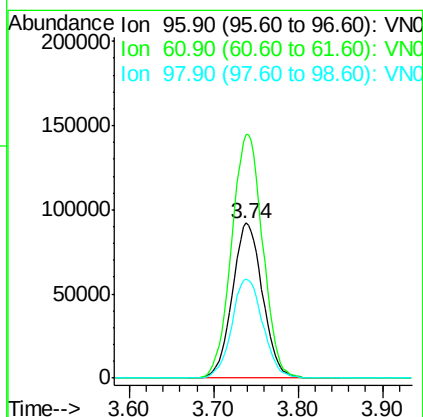
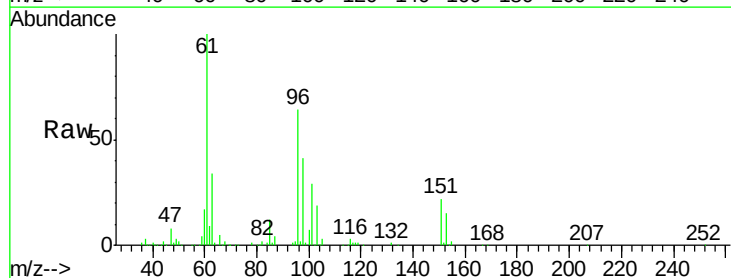
Tot Ion: 59 Resp: 85976
Ion Ratio Lower Upper
59 100
57 10.3 8.5 12.7

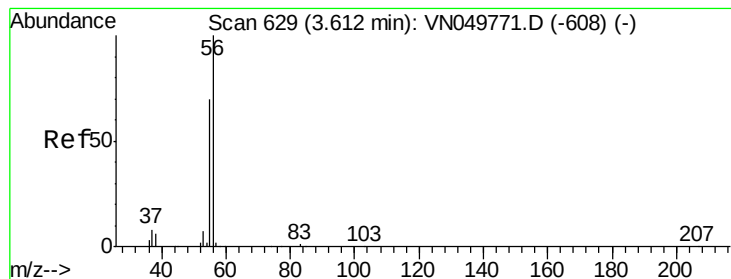


#12

1,1-Dichloroethene
Concen: 17.960 ug/l
RT: 3.74 min Scan# 668
Delta R.T. -0.00 min
Lab File: VN049784.D
Acq: 12 Jul 2018 21:54

Tgt Ion: 96 Resp: 230004
Ion Ratio Lower Upper
96 100
61 157.0 126.5 189.7
98 63.8 51.0 76.6





#13

Acrolein

Concen: 87.052 ug/l

RT: 3.61 min Scan# 629

Delta R.T. -0.00 min

Lab File: VN049784.D

Acq: 12 Jul 2018 21:54

Instrument :

MSVOA_N

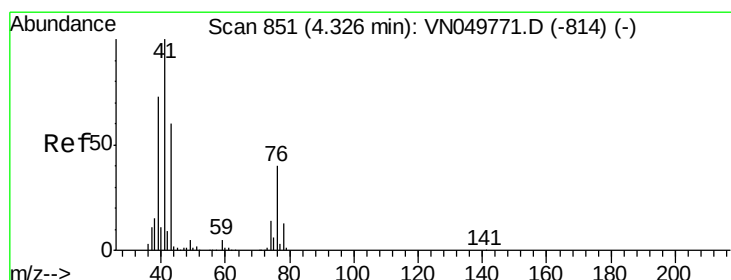
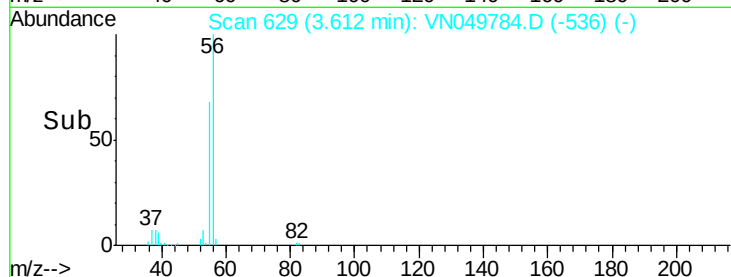
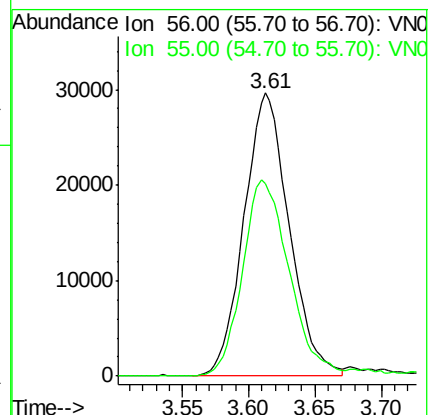
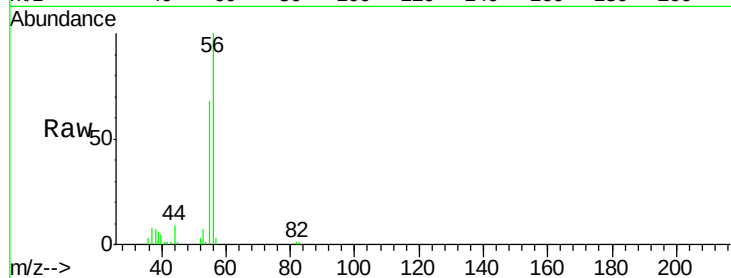
ClientSampleId :

Tot Ion: 56 Resp: 70501

Ion Ratio Lower Upper

56 100

55 71.5 55.8 83.8



#14

Allyl chloride

Concen: 17.763 ug/l

RT: 4.33 min Scan# 852

Delta R.T. 0.00 min

Lab File: VN049784.D

Acq: 12 Jul 2018 21:54

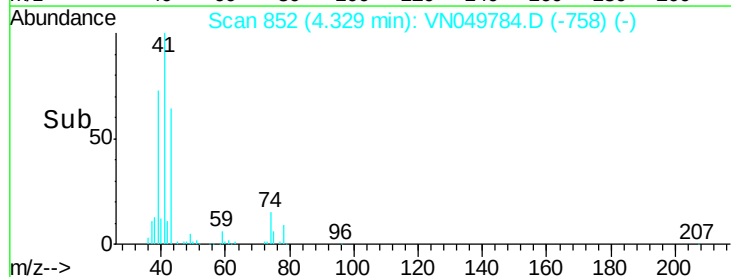
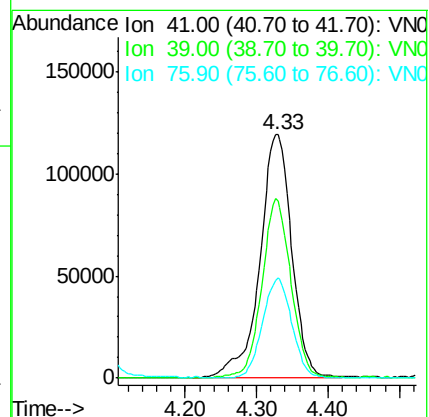
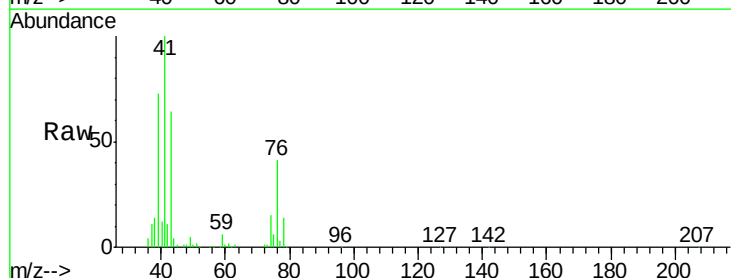
Tgt Ion: 41 Resp: 371250

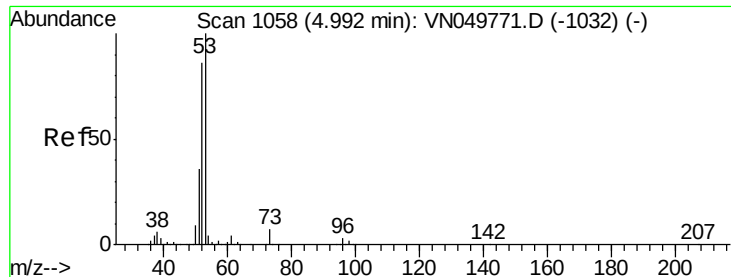
Ion Ratio Lower Upper

41 100

39 66.9 53.2 79.8

76 37.1 29.0 43.6





#15

Acrylonitrile

Concen: 91.695 ug/l

RT: 5.00 min Scan# 1059

Delta R.T. 0.00 min

Lab File: VN049784.D

Acq: 12 Jul 2018 21:54

Instrument :
MSVOA_N
ClientSampled :

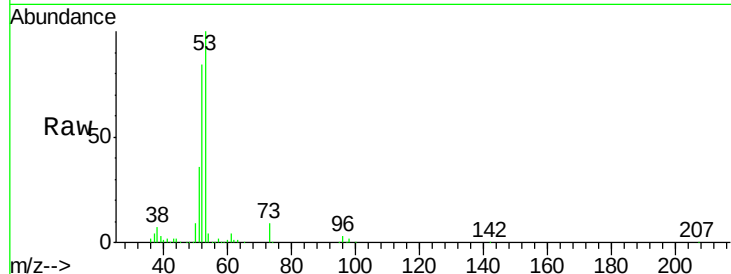
Tot Ion: 53 Resp: 423415

Ion Ratio Lower Upper

53 100

52 80.4 64.8 97.2

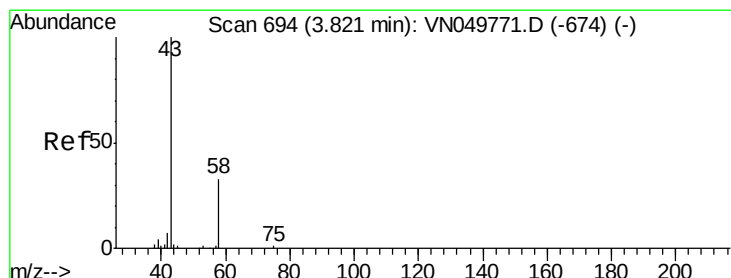
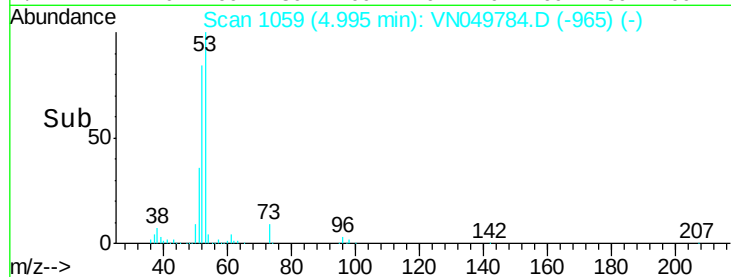
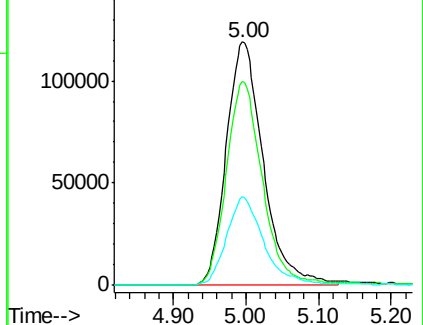
51 36.5 28.9 43.3



Abundance Ion 53.00 (52.70 to 53.70): VN049784.D (-965) (-)

Ion 52.00 (51.70 to 52.70): VN049784.D (-965) (-)

Ion 51.00 (50.70 to 51.70): VN049784.D (-965) (-)



#16

Acetone

Concen: 87.859 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN049784.D

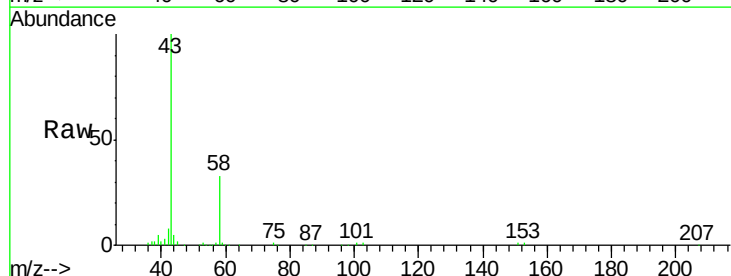
Acq: 12 Jul 2018 21:54

Tgt Ion: 43 Resp: 302468

Ion Ratio Lower Upper

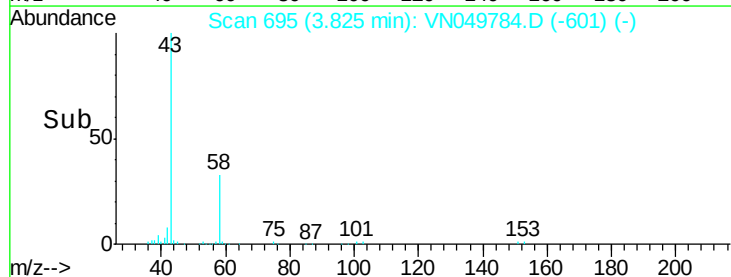
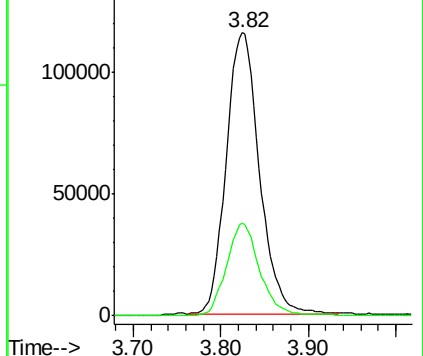
43 100

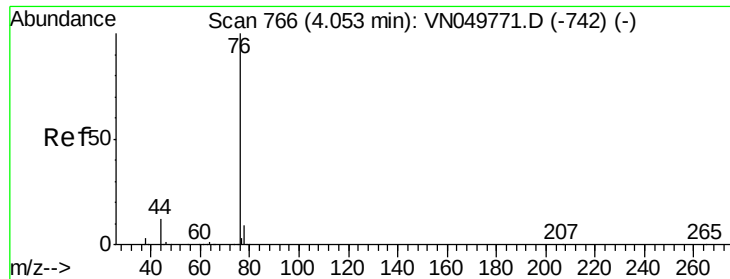
58 33.0 25.9 38.9



Abundance Ion 43.00 (42.70 to 43.70): VN049784.D (-601) (-)

Ion 58.00 (57.70 to 58.70): VN049784.D (-601) (-)

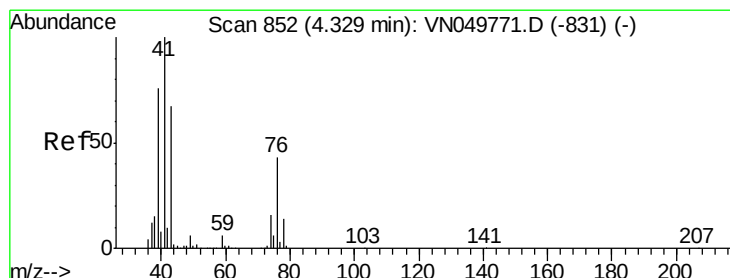
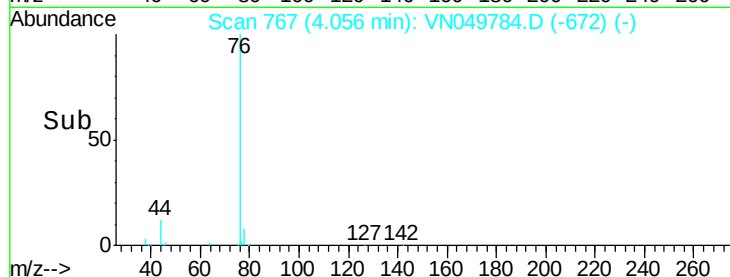
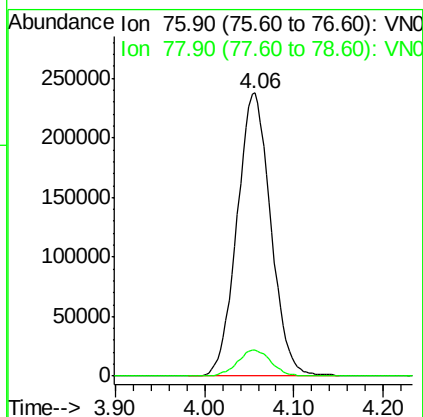
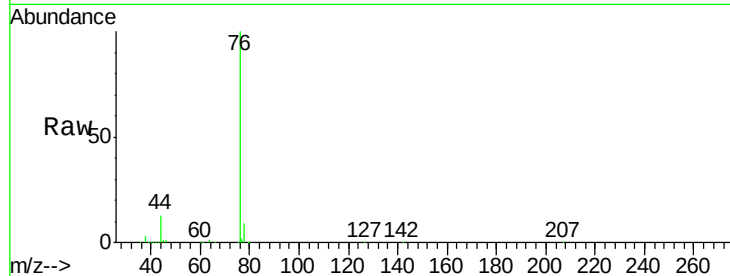




#17
Carbon Disulfide
Concen: 18.812 ug/l
RT: 4.06 min Scan# 767
Delta R.T. 0.00 min
Lab File: VN049784.D
Acq: 12 Jul 2018 21:54

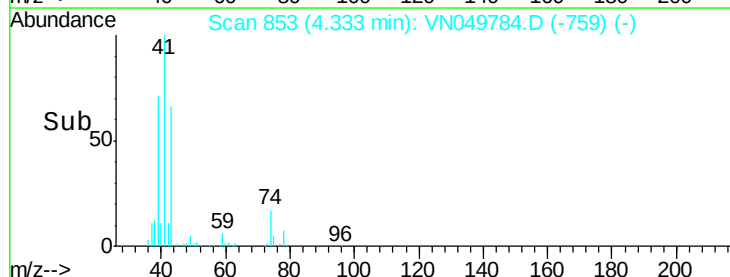
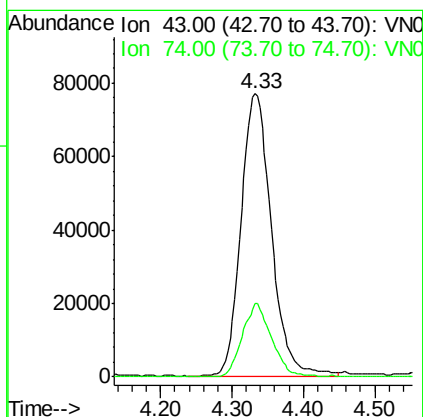
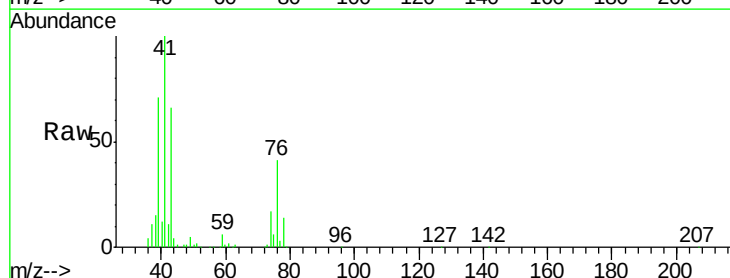
Instrument :
MSVOA_N
ClientSampled :

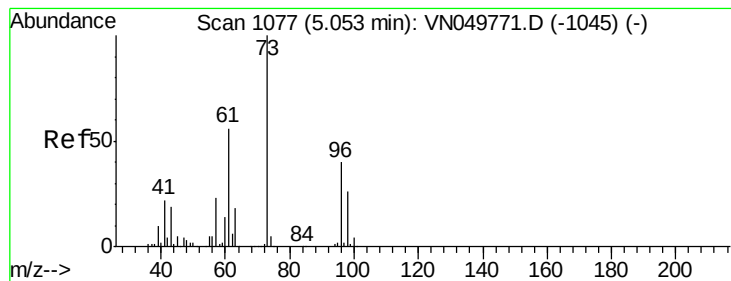
Tot Ion: 76 Resp: 626024
Ion Ratio Lower Upper
76 100
78 9.0 7.1 10.7



#18
Methyl Acetate
Concen: 19.375 ug/l
RT: 4.33 min Scan# 853
Delta R.T. 0.00 min
Lab File: VN049784.D
Acq: 12 Jul 2018 21:54

Tgt Ion: 43 Resp: 228135
Ion Ratio Lower Upper
43 100
74 25.0 19.8 29.8



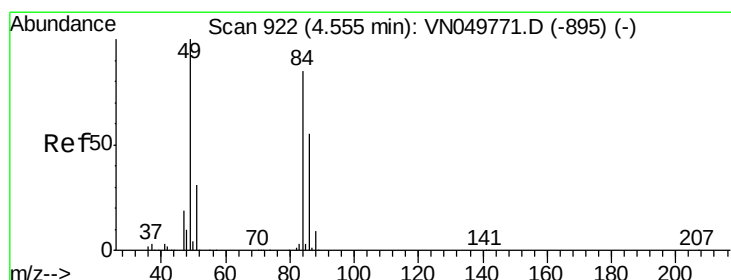
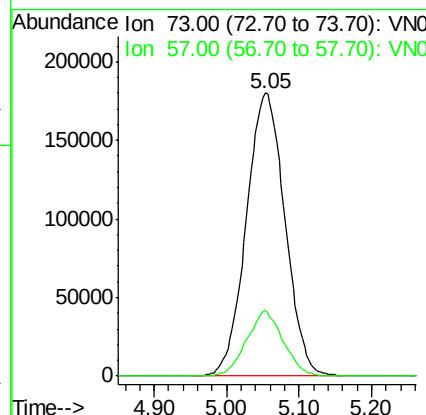
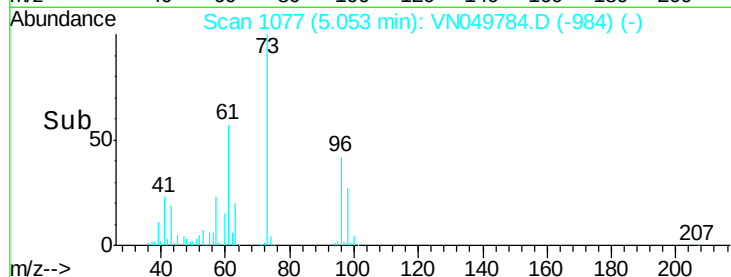
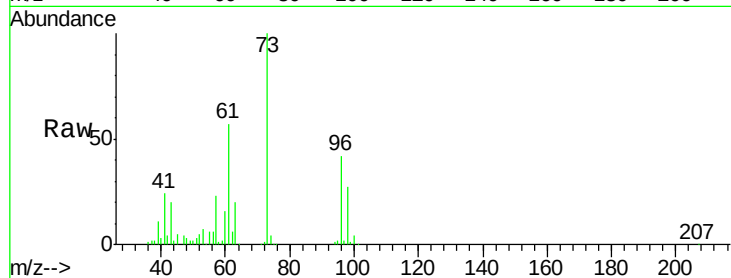


#19

Methvl tert-butvl Ether
 Concen: 18.800 ug/l
 RT: 5.05 min Scan# 1077
 Delta R.T. -0.00 min
 Lab File: VN049784.D
 Acq: 12 Jul 2018 21:54

Instrument :
 MSVOA_N
 ClientSampleId :

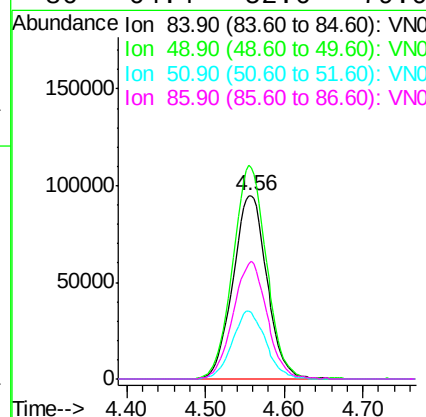
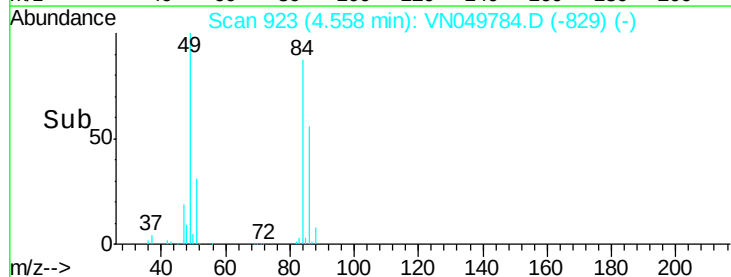
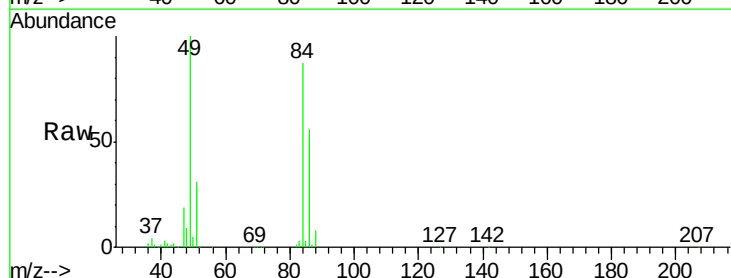
Tot Ion: 73 Resp: 667858
 Ion Ratio Lower Upper
 73 100
 57 23.0 18.1 27.1

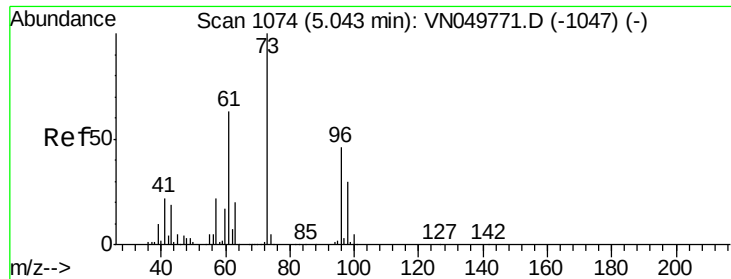


#20

Methylene Chloride
 Concen: 19.622 ug/l
 RT: 4.56 min Scan# 923
 Delta R.T. 0.00 min
 Lab File: VN049784.D
 Acq: 12 Jul 2018 21:54

Tgt Ion: 84 Resp: 285206
 Ion Ratio Lower Upper
 84 100
 49 115.3 95.4 143.2
 51 36.0 28.4 42.6
 86 64.4 52.6 79.0

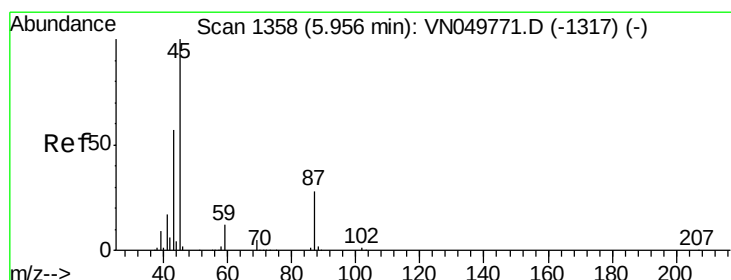
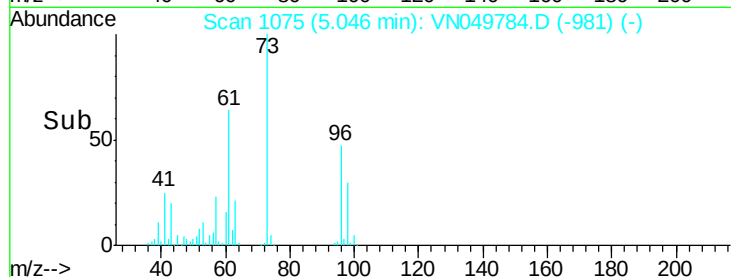
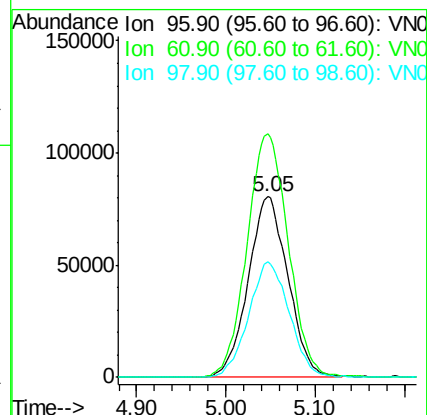
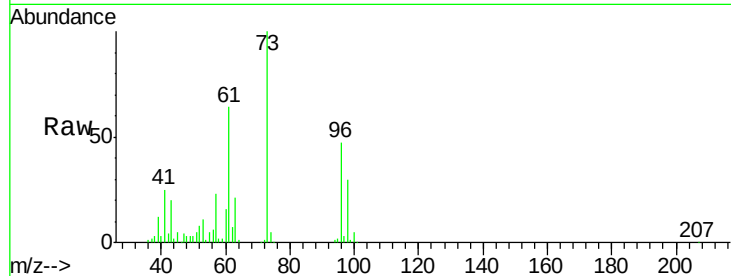




#21
trans-1,2-Dichloroethene
Concen: 17.908 ug/l
RT: 5.05 min Scan# 1075
Delta R.T. 0.00 min
Lab File: VN049784.D
Acq: 12 Jul 2018 21:54

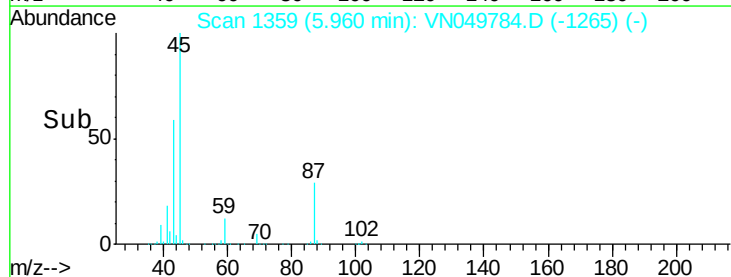
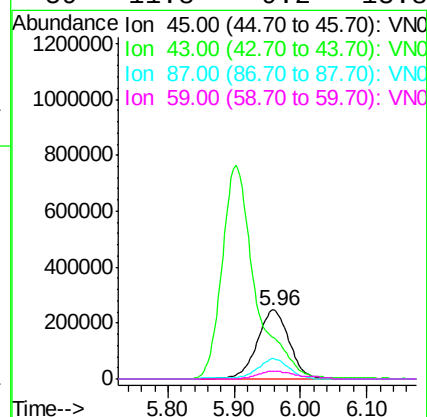
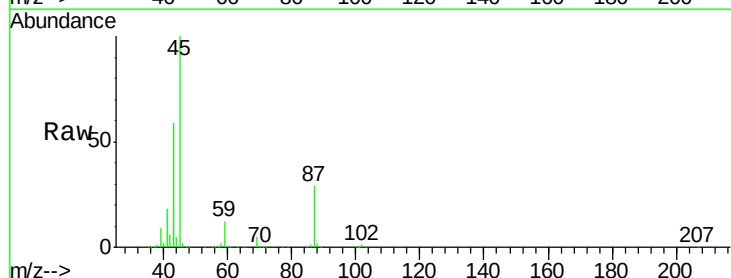
Instrument :
MSVOA_N
ClientSampled :

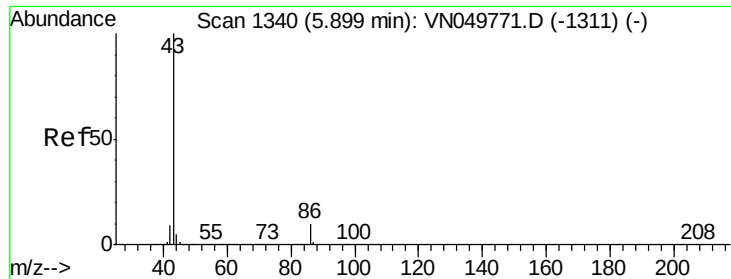
Tot Ion: 96 Resp: 250682
Ion Ratio Lower Upper
96 100
61 134.6 109.0 163.6
98 64.1 51.1 76.7



#22
Diisopropyl ether
Concen: 19.393 ug/l
RT: 5.96 min Scan# 1359
Delta R.T. 0.00 min
Lab File: VN049784.D
Acq: 12 Jul 2018 21:54

Tgt Ion: 45 Resp: 832574
Ion Ratio Lower Upper
45 100
43 58.8 48.1 72.1
87 28.8 22.6 34.0
59 11.8 9.2 13.8

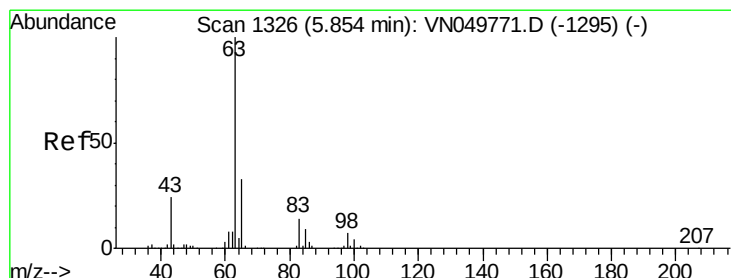
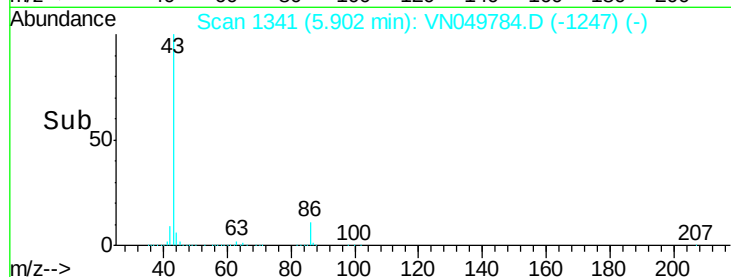
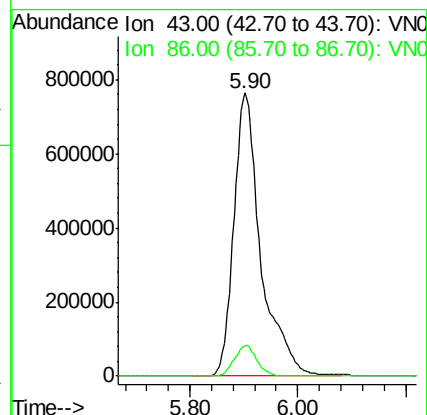
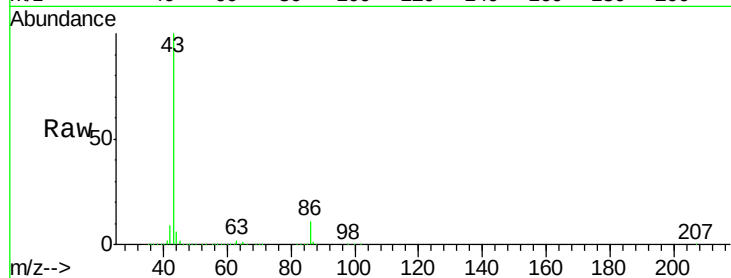




#23
 Vinyl Acetate
 Concen: 92.692 ug/l
 RT: 5.90 min Scan# 1341
 Delta R.T. 0.00 min
 Lab File: VN049784.D
 Acq: 12 Jul 2018 21:54

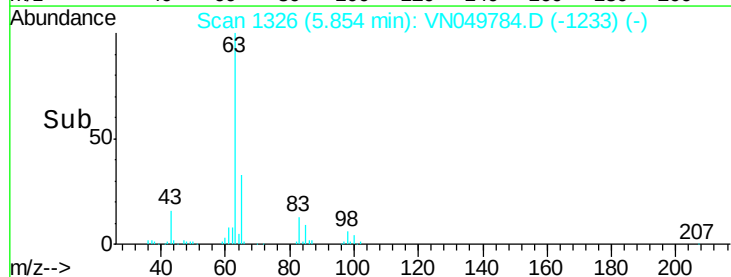
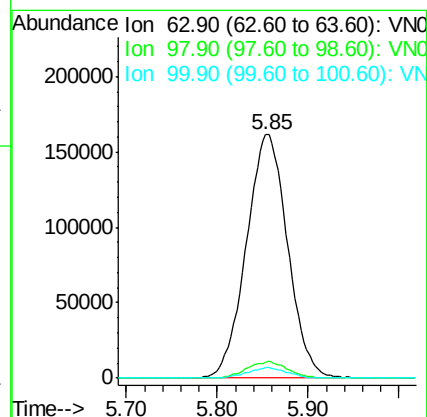
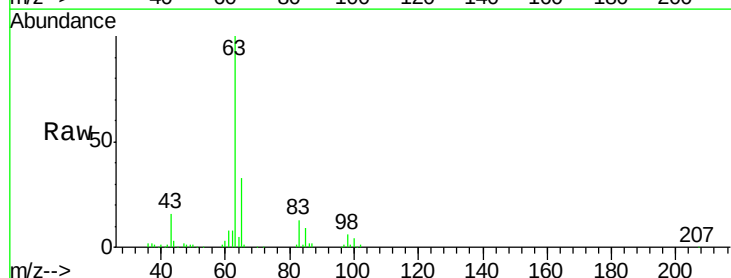
Instrument :
 MSVOA_N
 ClientSampleId :

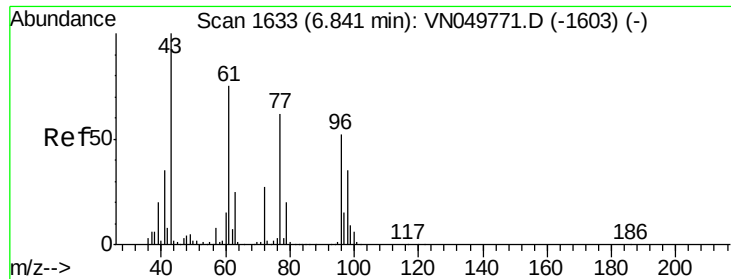
Tot Ion: 43 Resp: 2666776
 Ion Ratio Lower Upper
 43 100
 86 10.8 8.4 12.6



#24
 1,1-Dichloroethane
 Concen: 18.873 ug/l
 RT: 5.85 min Scan# 1326
 Delta R.T. -0.00 min
 Lab File: VN049784.D
 Acq: 12 Jul 2018 21:54

Tgt Ion: 63 Resp: 509016
 Ion Ratio Lower Upper
 63 100
 98 6.5 3.4 10.2
 100 4.3 2.2 6.6





#25

2-Butanone

Concen: 88.094 ug/l

RT: 6.84 min Scan# 1634

Delta R.T. 0.00 min

Lab File: VN049784.D

Acq: 12 Jul 2018 21:54

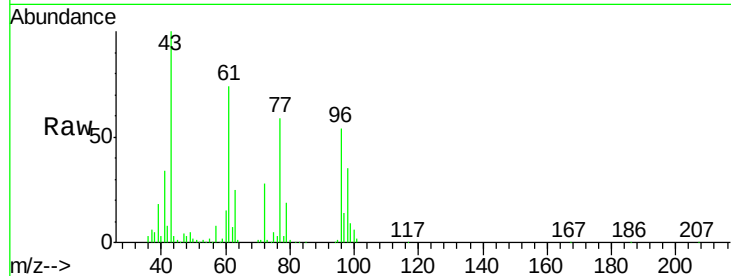
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 472947

Ion Ratio Lower Upper

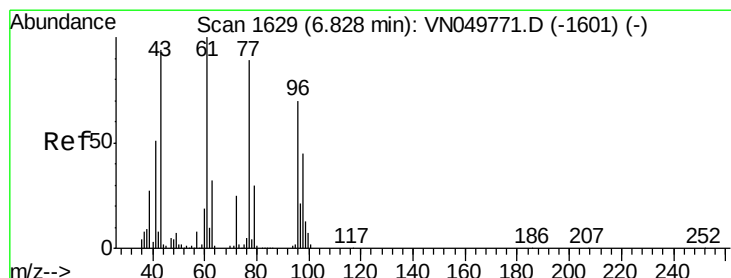
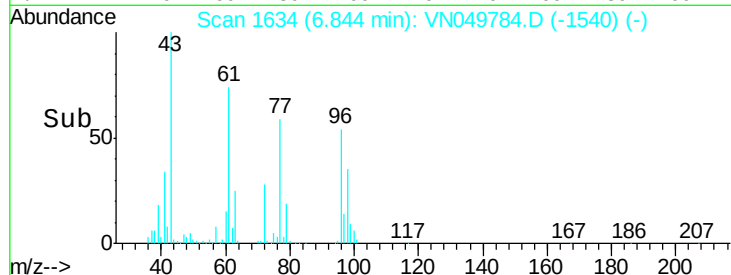
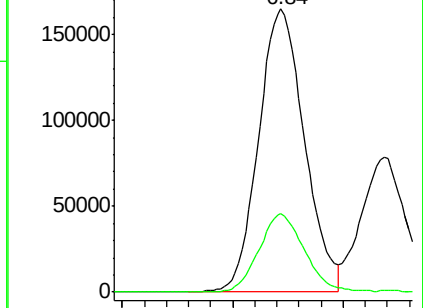
43 100

72 27.8 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 16.921 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VN049784.D

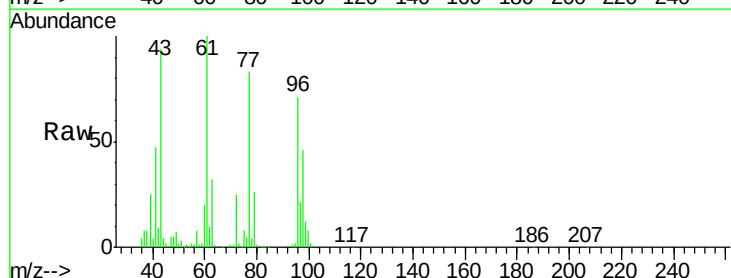
Acq: 12 Jul 2018 21:54

Tgt Ion: 77 Resp: 378774

Ion Ratio Lower Upper

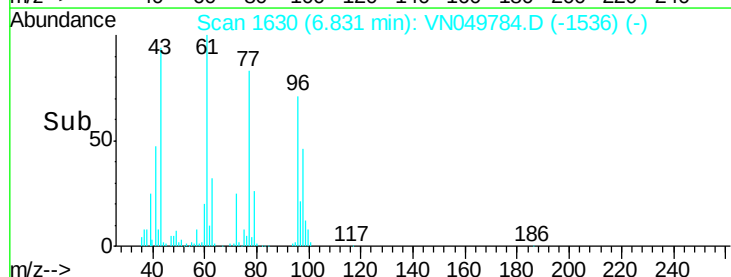
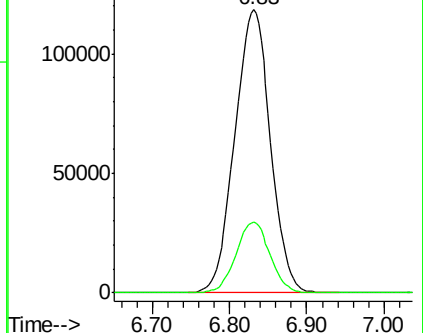
77 100

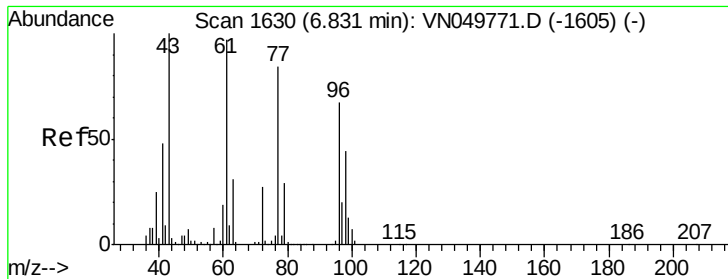
97 23.8 11.9 35.5



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

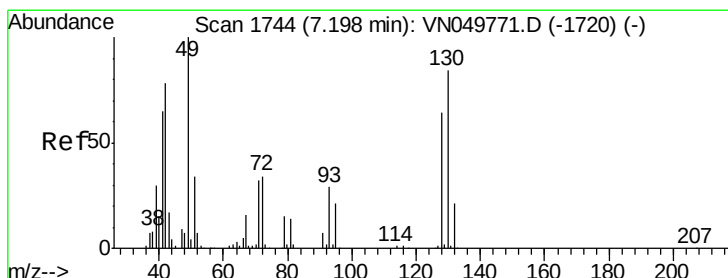
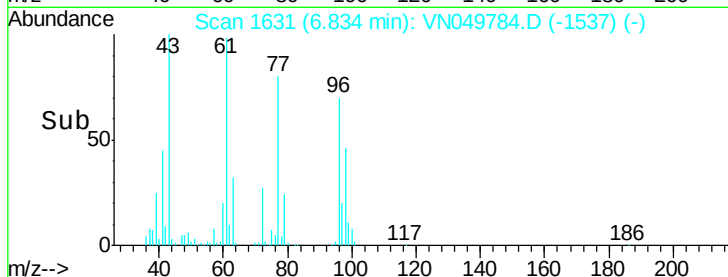
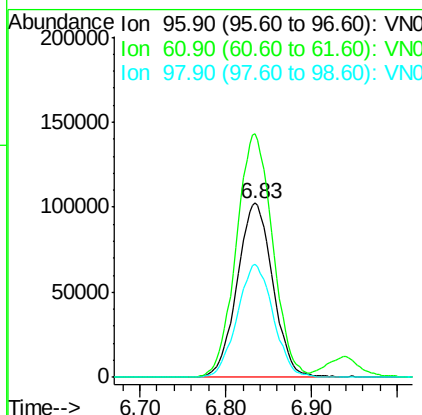
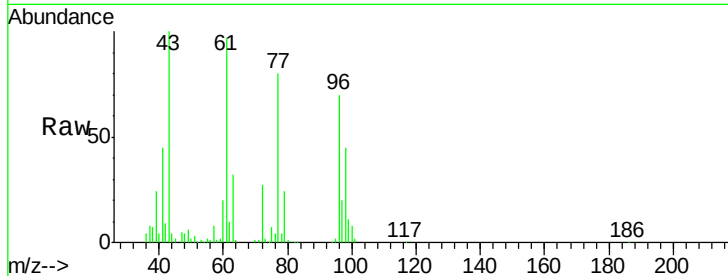




#27
 cis-1,2-Dichloroethene
 Concen: 18.494 ug/l
 RT: 6.83 min Scan# 1631
 Delta R.T. 0.00 min
 Lab File: VN049784.D
 Acq: 12 Jul 2018 21:54

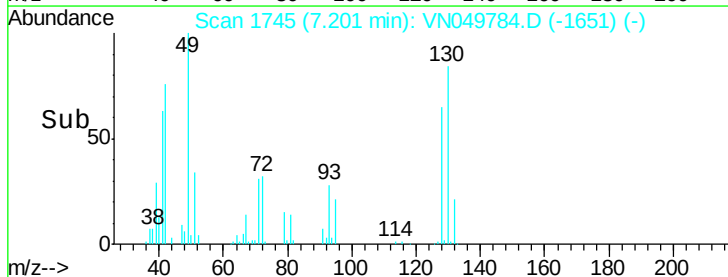
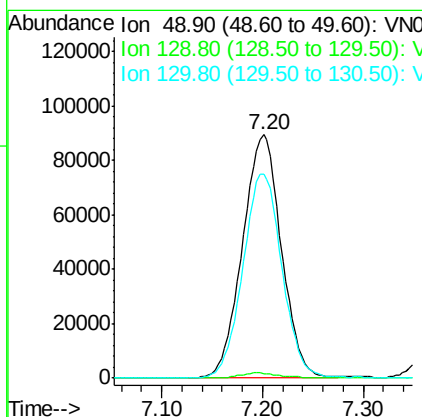
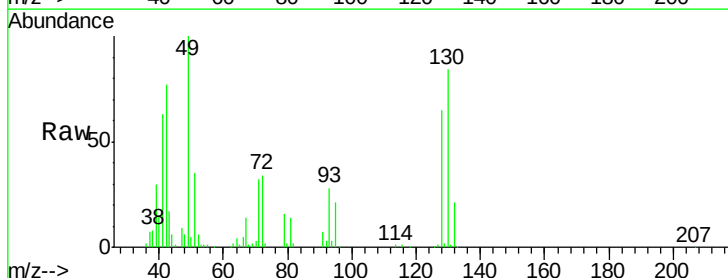
Instrument :
 MSVOA_N
 ClientSampleId :

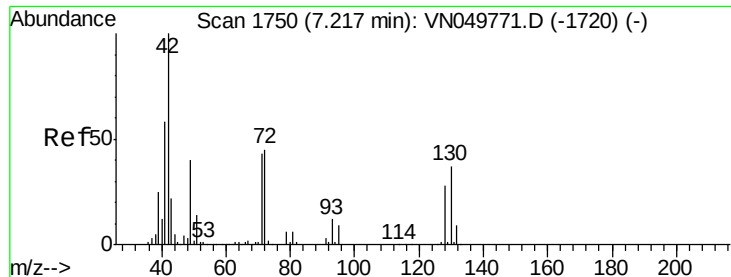
Tot Ion	96	Resp	296070
Ion	Ratio	Lower	Upper
96	100		
61	142.3	0.0	289.0
98	65.4	0.0	130.2



#28
 Bromochloromethane
 Concen: 19.497 ug/l
 RT: 7.20 min Scan# 1745
 Delta R.T. 0.00 min
 Lab File: VN049784.D
 Acq: 12 Jul 2018 21:54

Tgt Ion	49	Resp	239176
Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.2
130	84.0	65.5	98.3

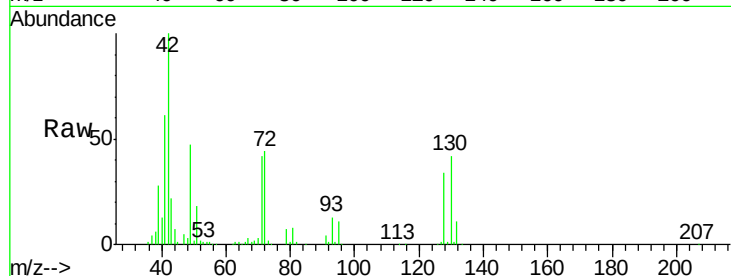




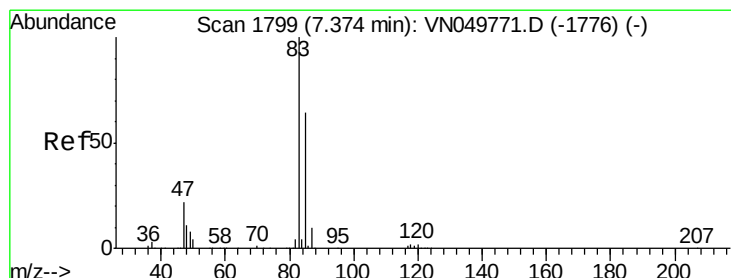
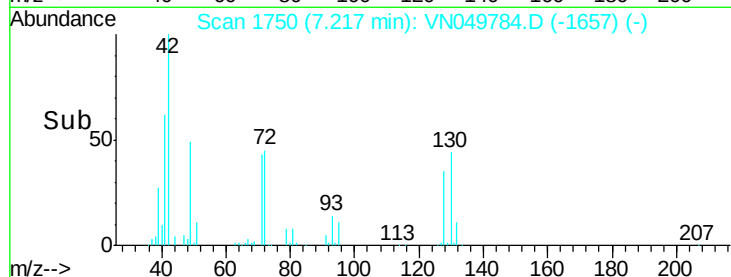
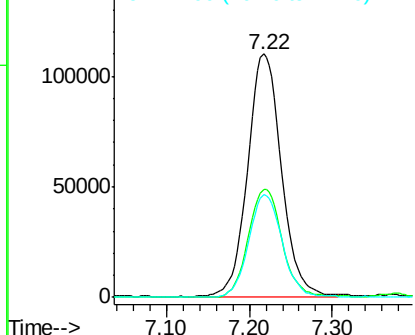
#29
Tetrahydrofuran
Concen: 92.060 ug/l
RT: 7.22 min Scan# 1750
Delta R.T. -0.00 min
Lab File: VN049784.D
Acq: 12 Jul 2018 21:54

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 42 Resp: 310359
Ion Ratio Lower Upper
42 100
72 44.7 35.6 53.4
71 42.1 34.0 51.0

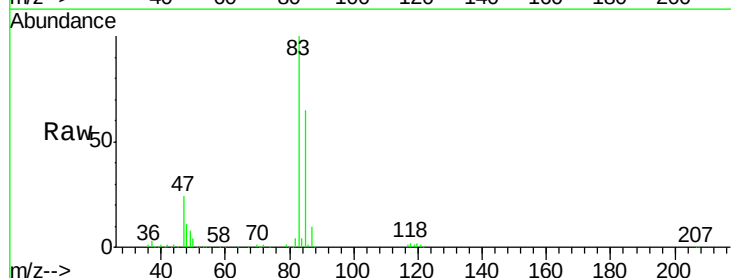


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

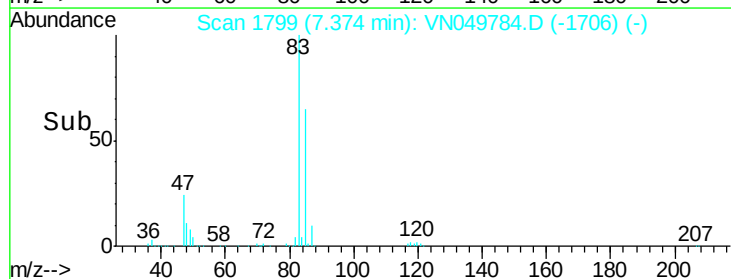
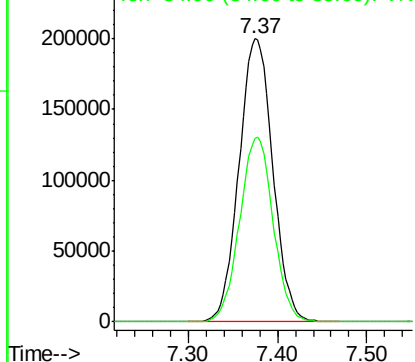


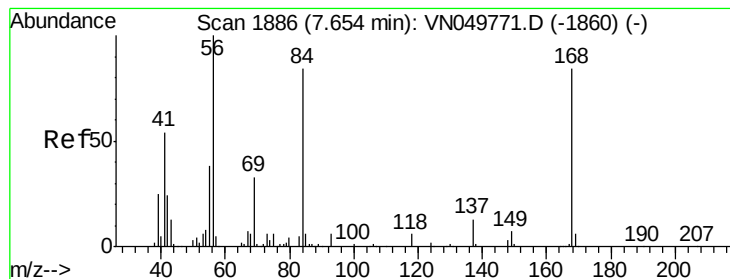
#30
Chloroform
Concen: 18.971 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. -0.00 min
Lab File: VN049784.D
Acq: 12 Jul 2018 21:54

Tgt Ion: 83 Resp: 527204
Ion Ratio Lower Upper
83 100
85 65.0 51.4 77.2



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





#31

Cyclohexane

Concen: 18.724 ug/l

RT: 7.66 min Scan# 1887

Delta R.T. 0.00 min

Lab File: VN049784.D

Acq: 12 Jul 2018 21:54

Instrument :
MSVOA_N
ClientSampled :

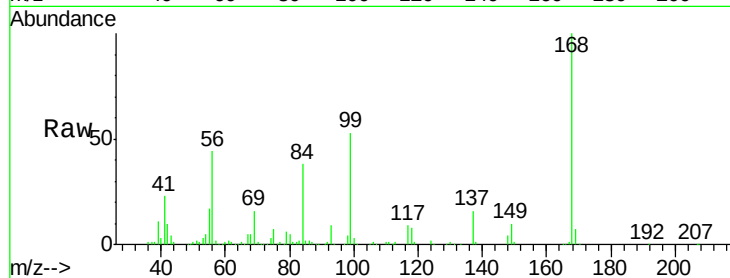
Tot Ion: 56 Resp: 405362

Ion Ratio Lower Upper

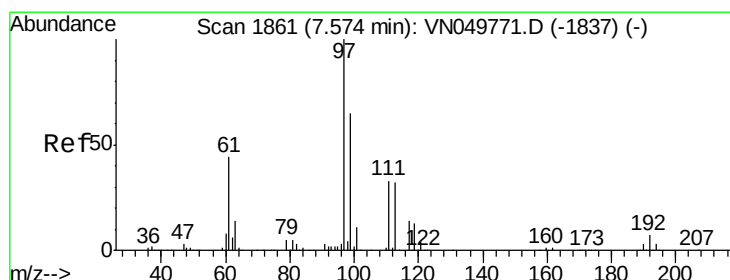
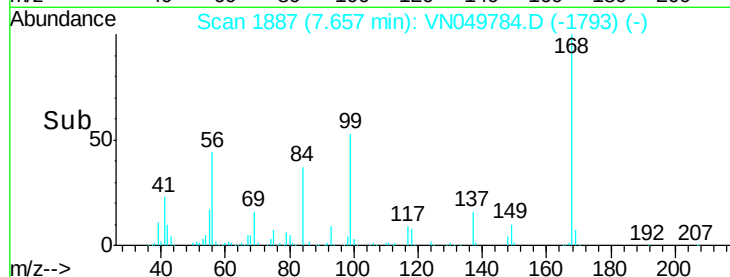
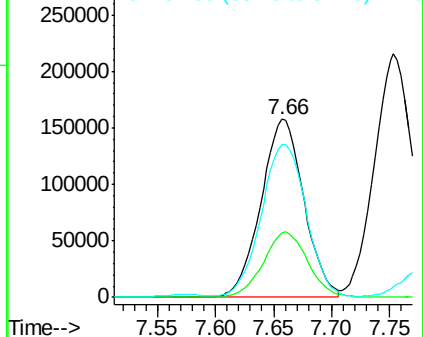
56 100

69 36.2 26.6 40.0

84 84.2 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: 18.969 ug/l

RT: 7.57 min Scan# 1861

Delta R.T. -0.00 min

Lab File: VN049784.D

Acq: 12 Jul 2018 21:54

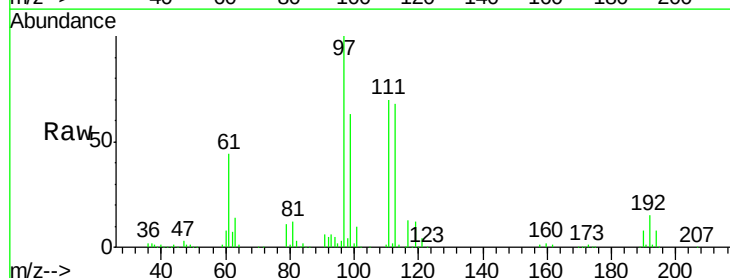
Tgt Ion: 97 Resp: 447694

Ion Ratio Lower Upper

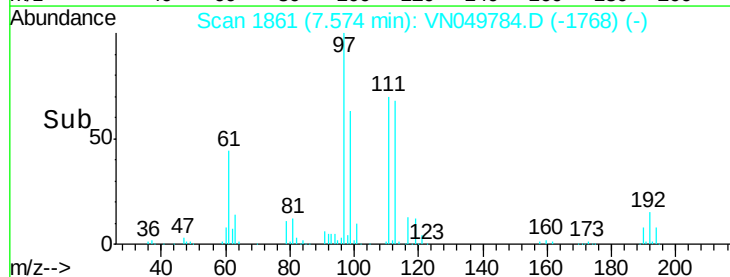
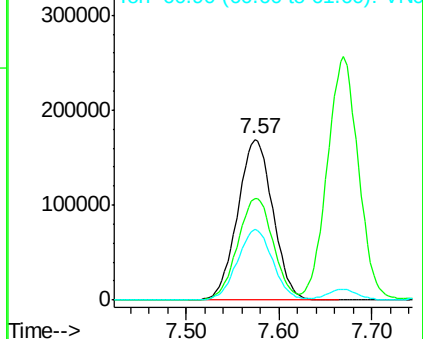
97 100

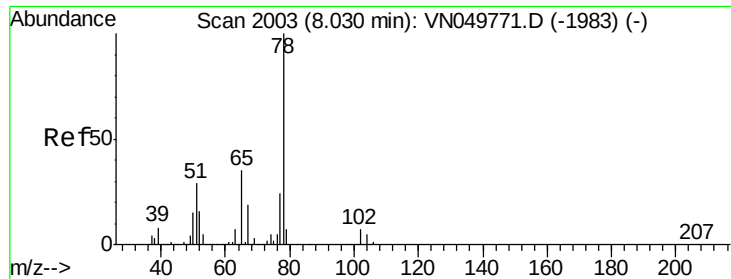
99 63.8 51.0 76.4

61 43.8 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

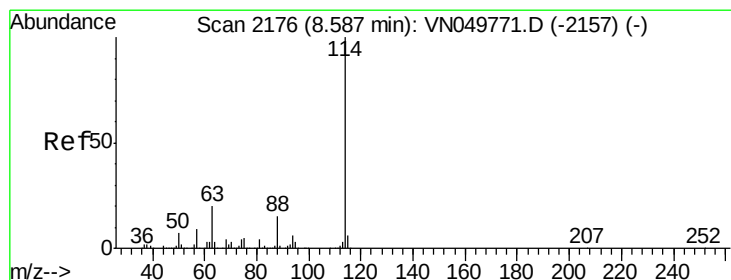
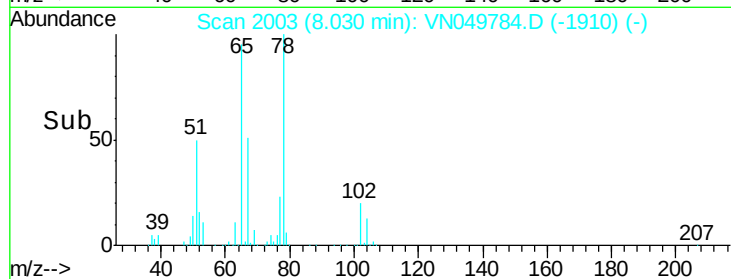
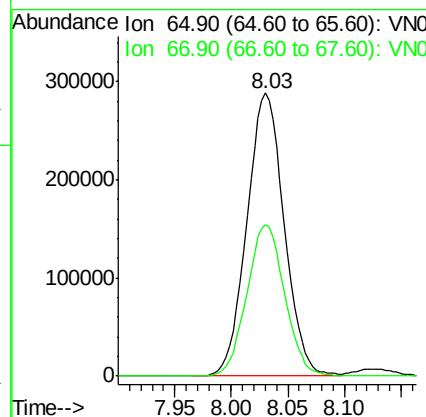
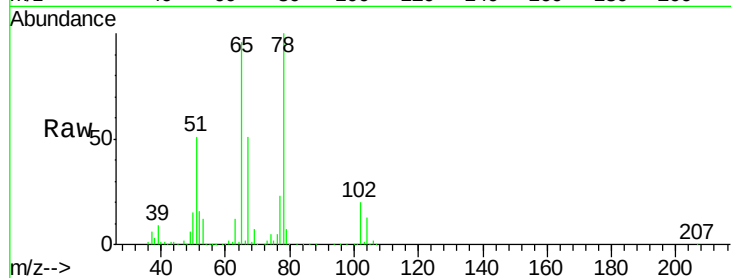




#33
 1,2-Dichloroethane-d4
 Concen: 48.013 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. -0.00 min
 Lab File: VN049784.D
 Acq: 12 Jul 2018 21:54

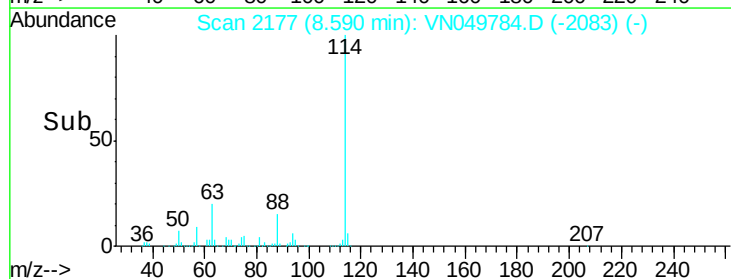
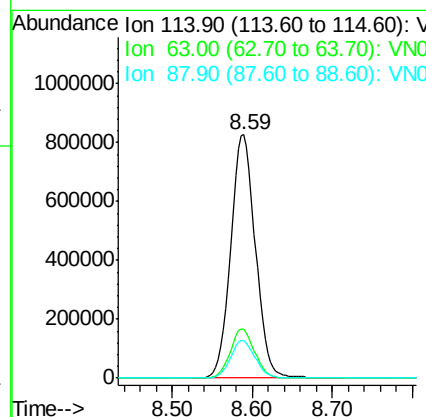
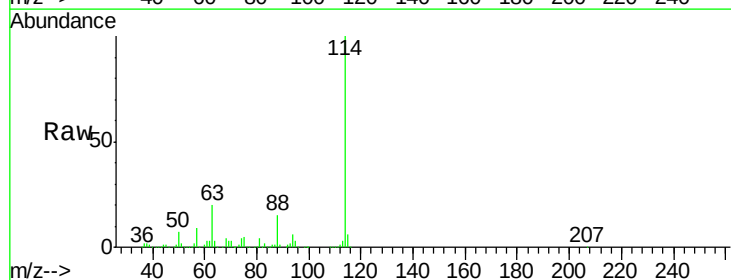
Instrument :
 MSVOA_N
 ClientSampleId :

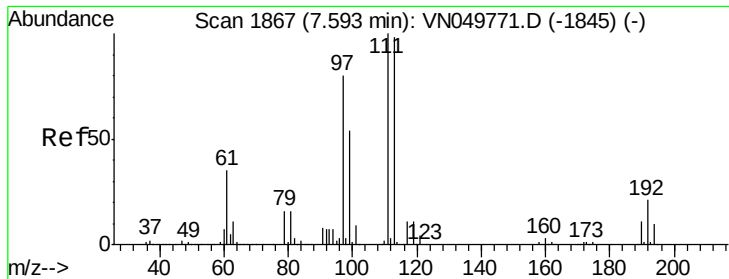
Tot Ion: 65 Resp: 661453
 Ion Ratio Lower Upper
 65 100
 67 54.2 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN049784.D
 Acq: 12 Jul 2018 21:54

Tgt Ion: 114 Resp: 1737053
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 39.8
 88 15.4 0.0 30.6





#35

Dibromofluoromethane

Concen: 47.971 ug/l

RT: 7.59 min Scan# 1867

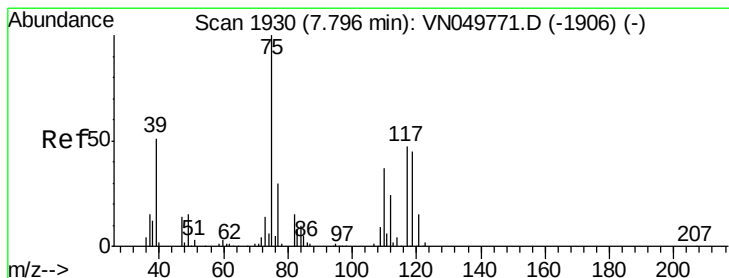
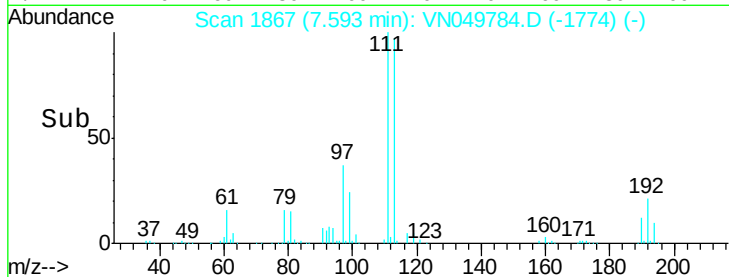
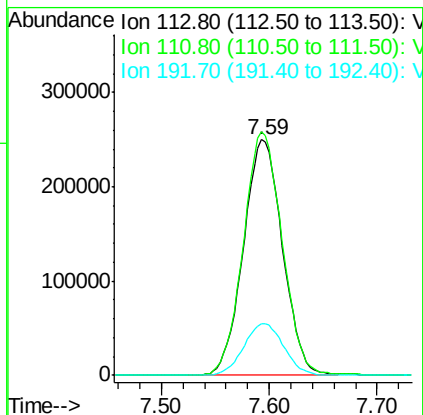
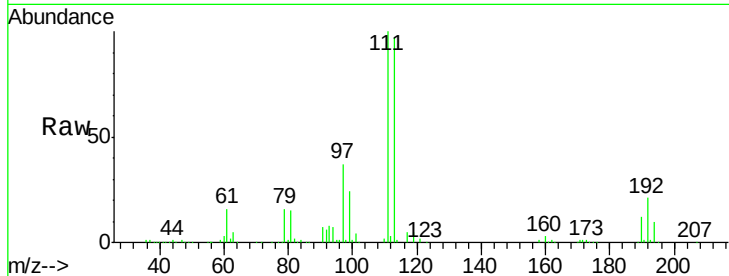
Delta R.T. -0.00 min

Lab File: VN049784.D

Acq: 12 Jul 2018 21:54

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:	113	Resp:	628107
Ion	Ratio	Lower	Upper
113	100		
111	103.2	81.8	122.8
192	22.4	17.8	26.6



#36

1,1-Dichloropropene

Concen: 18.219 ug/l

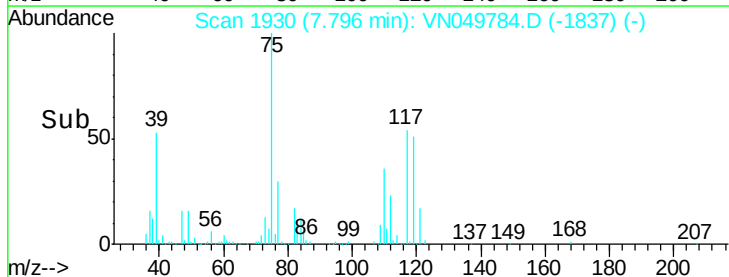
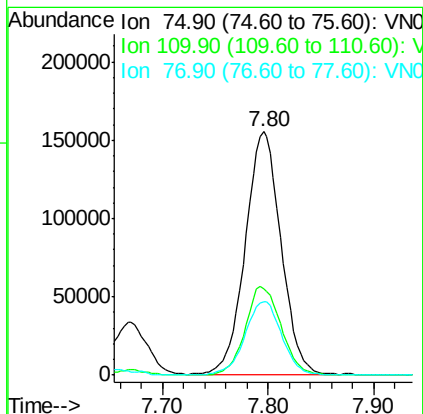
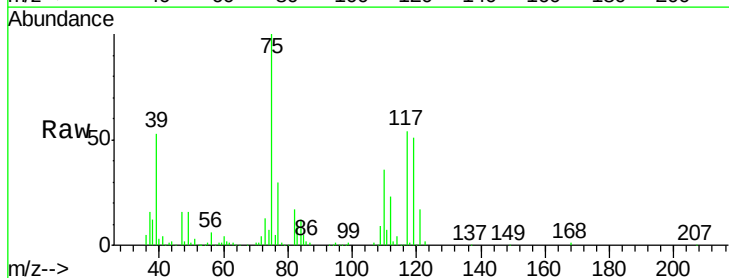
RT: 7.80 min Scan# 1930

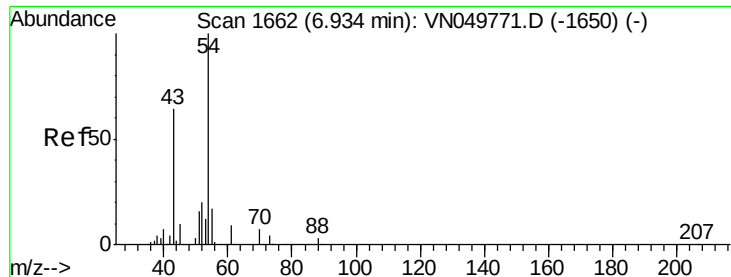
Delta R.T. -0.00 min

Lab File: VN049784.D

Acq: 12 Jul 2018 21:54

Tgt Ion:	75	Resp:	364698
Ion	Ratio	Lower	Upper
75	100		
110	36.6	18.1	54.4
77	31.0	24.9	37.3

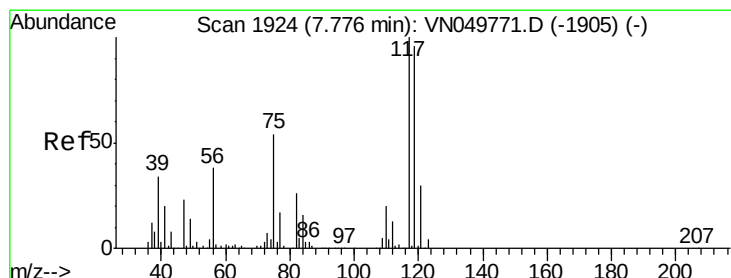
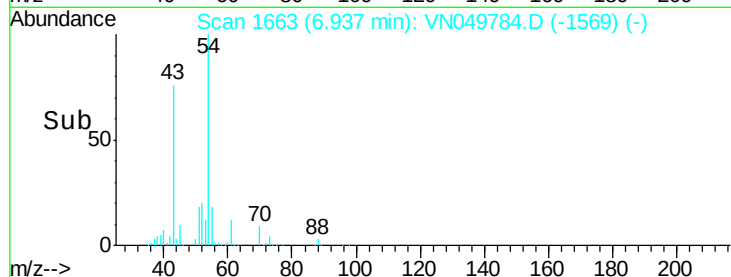
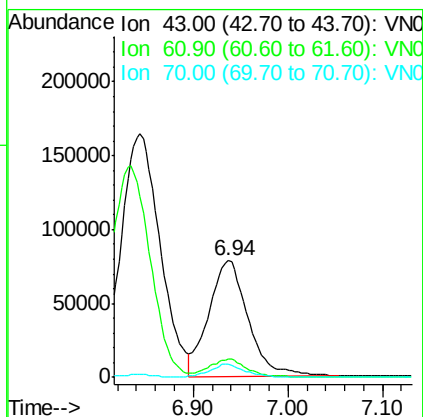
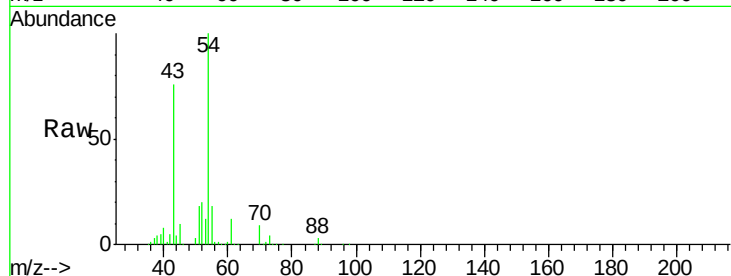




#37
Ethyl Acetate
Concen: 19.065 ug/l
RT: 6.94 min Scan# 1663
Delta R.T. 0.00 min
Lab File: VN049784.D
Acq: 12 Jul 2018 21:54

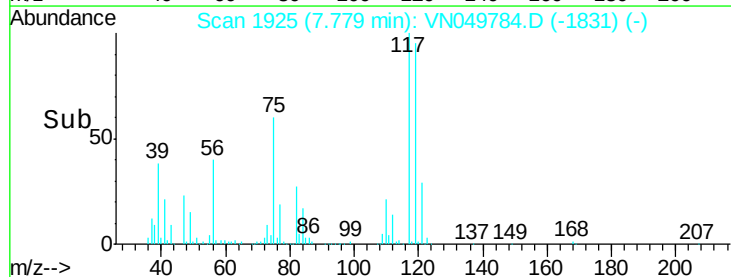
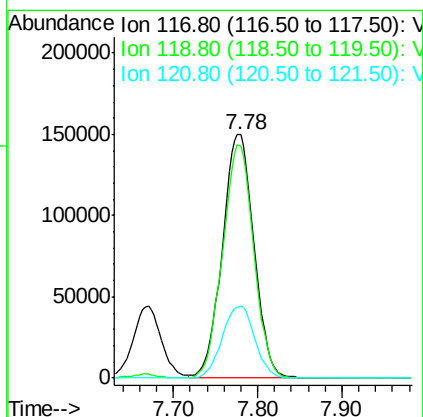
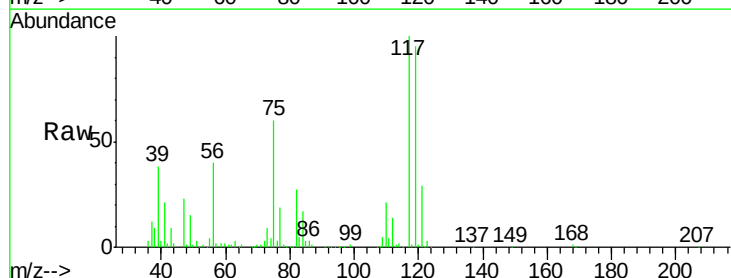
Instrument :
MSVOA_N
ClientSampled :

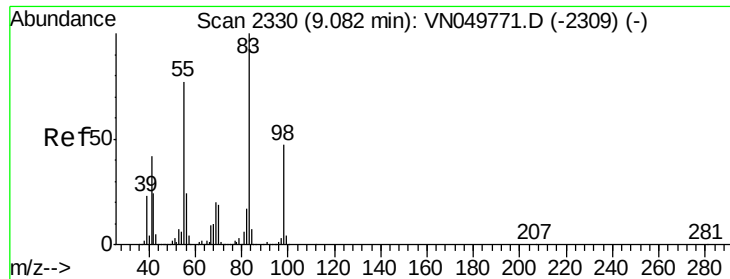
Tot Ion: 43 Resp: 225895
Ion Ratio Lower Upper
43 100
61 14.7 11.7 17.5
70 10.3 8.4 12.6



#38
Carbon Tetrachloride
Concen: 18.642 ug/l
RT: 7.78 min Scan# 1925
Delta R.T. 0.00 min
Lab File: VN049784.D
Acq: 12 Jul 2018 21:54

Tgt Ion: 117 Resp: 390104
Ion Ratio Lower Upper
117 100
119 95.1 77.2 115.8
121 29.5 25.0 37.6

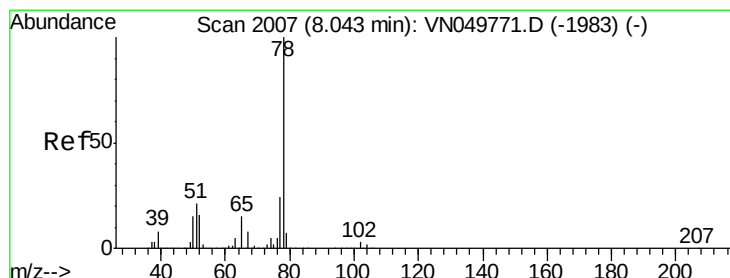
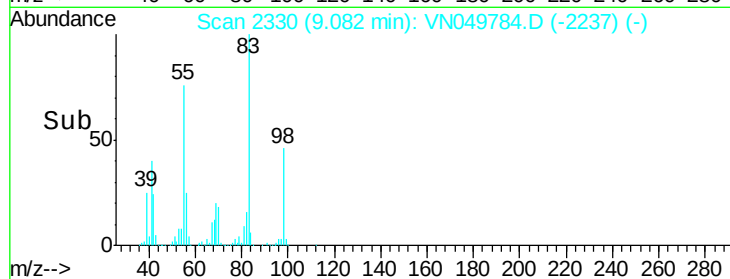
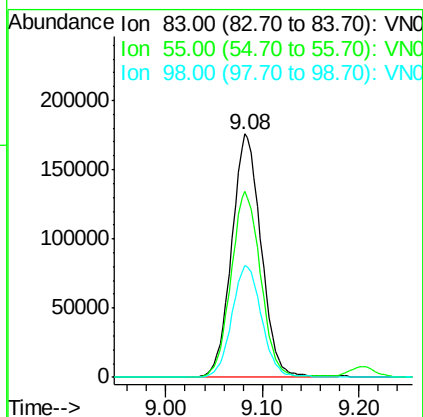
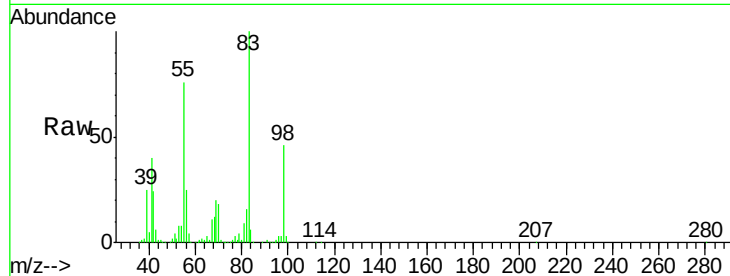




#39
Methylvlcyclohexane
Concen: 17.665 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VN049784.D
Acq: 12 Jul 2018 21:54

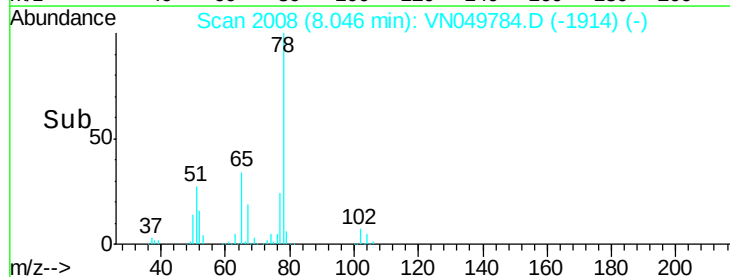
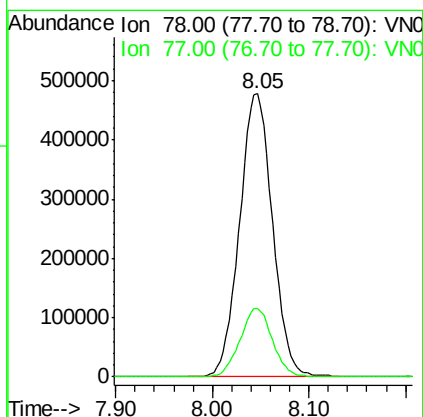
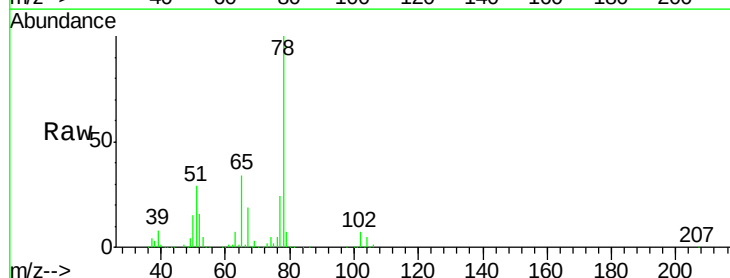
Instrument :
MSVOA_N
ClientSampleId :

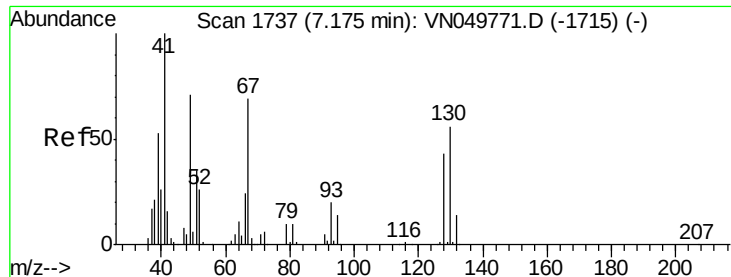
Tot Ion: 83 Resp: 372720
Ion Ratio Lower Upper
83 100
55 76.3 59.7 89.5
98 45.8 36.5 54.7



#40
Benzene
Concen: 18.893 ug/l
RT: 8.05 min Scan# 2008
Delta R.T. 0.00 min
Lab File: VN049784.D
Acq: 12 Jul 2018 21:54

Tgt Ion: 78 Resp: 1131361
Ion Ratio Lower Upper
78 100
77 24.2 19.0 28.4

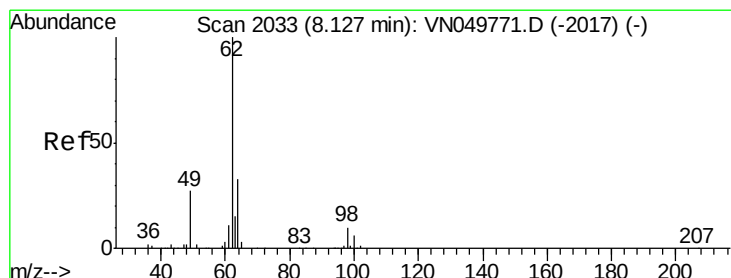
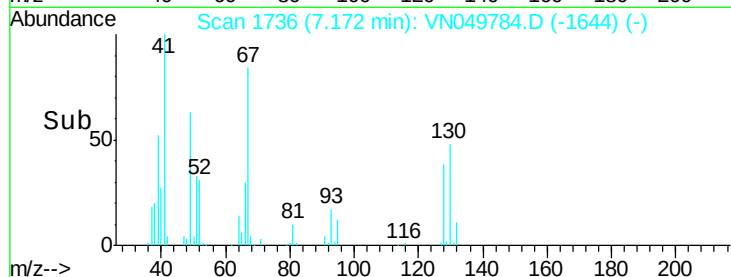
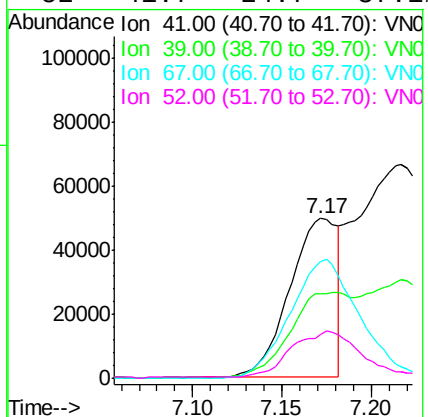
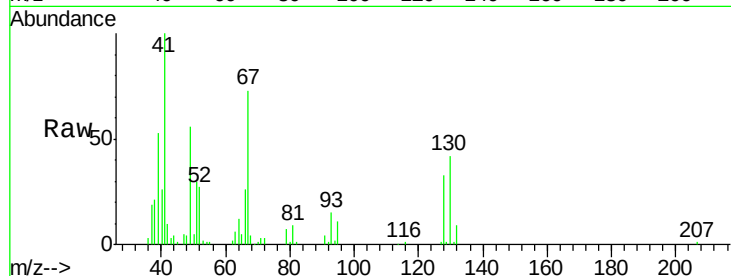




#41
Methacrylonitrile
Concen: 13.796 ug/l
RT: 7.17 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VN049784.D
Acq: 12 Jul 2018 21:54

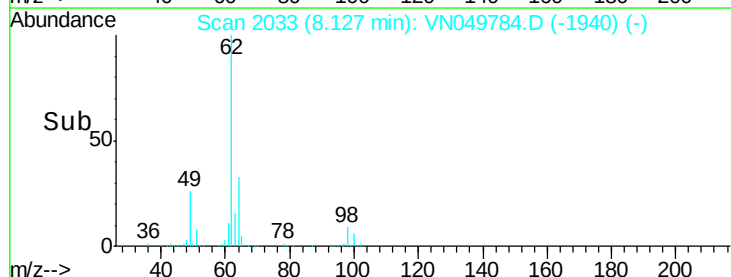
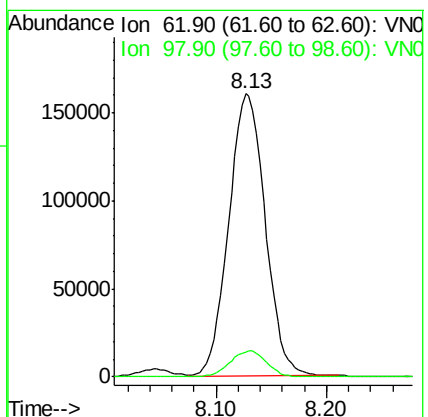
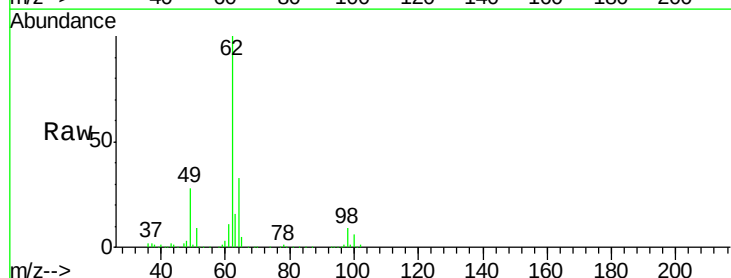
Instrument :
MSVOA_N
ClientSampled :

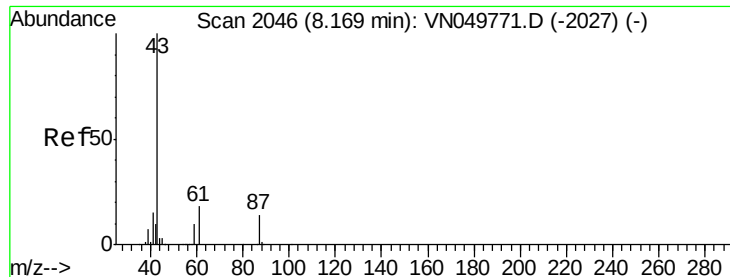
Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	69.9	45.4	68.2#	
67	109.5	65.4	98.0#	
52	41.7	24.7	37.1#	



#42
1,2-Dichloroethane
Concen: 18.784 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. -0.00 min
Lab File: VN049784.D
Acq: 12 Jul 2018 21:54

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.3	0.0	19.0	





#43

Isopropyl Acetate

Concen: 18.666 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. -0.00 min

Lab File: VN049784.D

Acq: 12 Jul 2018 21:54

Instrument :

MSVOA_N

ClientSampleId :

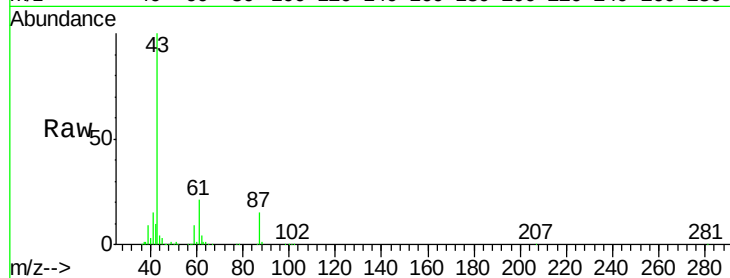
Tot Ion: 43 Resp: 397529

Ion Ratio Lower Upper

43 100

61 19.5 14.9 22.3

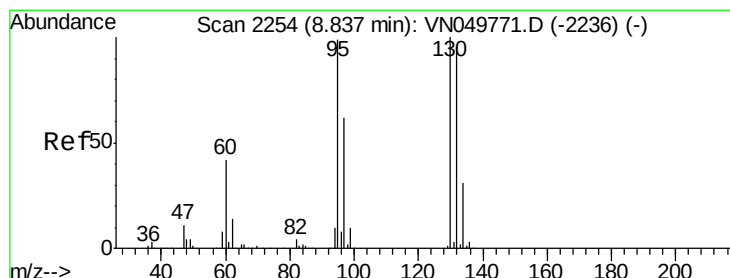
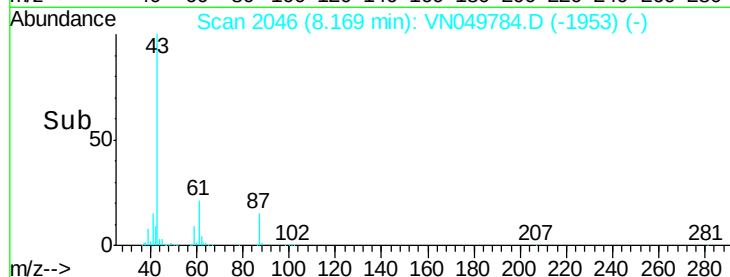
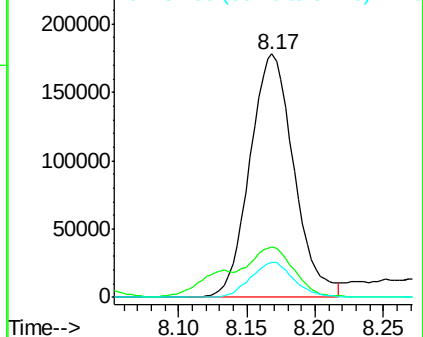
87 14.2 10.0 15.0



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: 18.272 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. -0.00 min

Lab File: VN049784.D

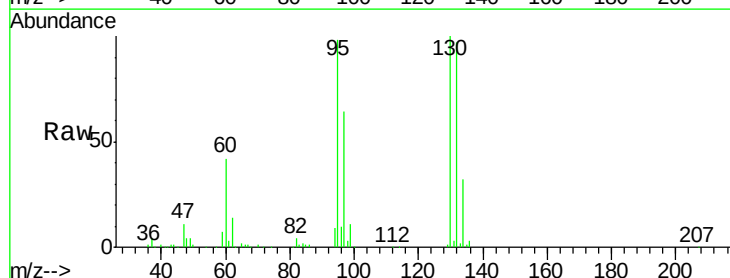
Acq: 12 Jul 2018 21:54

Tgt Ion:130 Resp: 294611

Ion Ratio Lower Upper

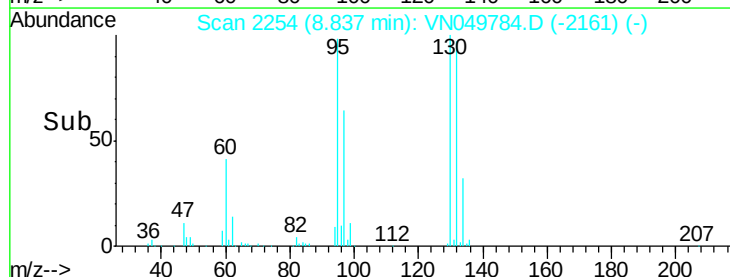
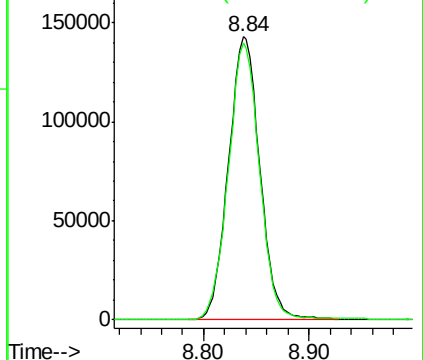
130 100

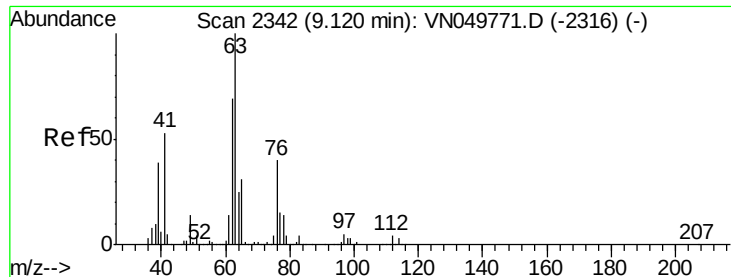
95 97.7 0.0 192.8



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

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

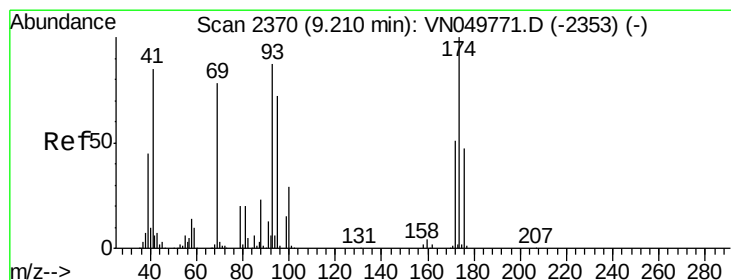
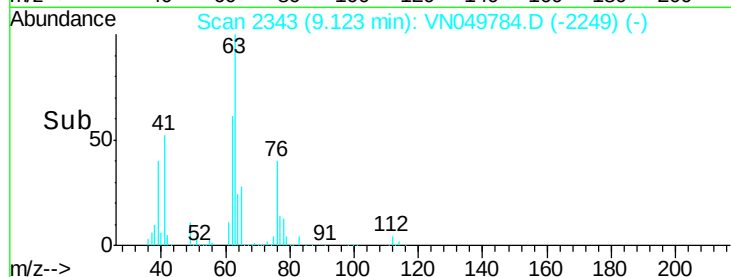
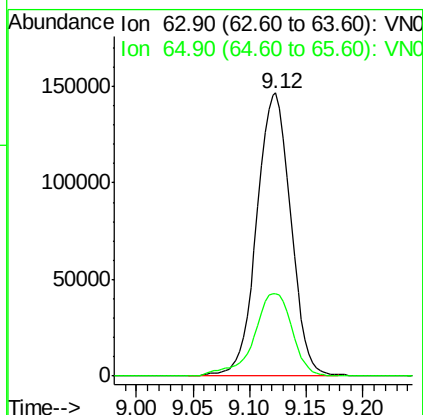
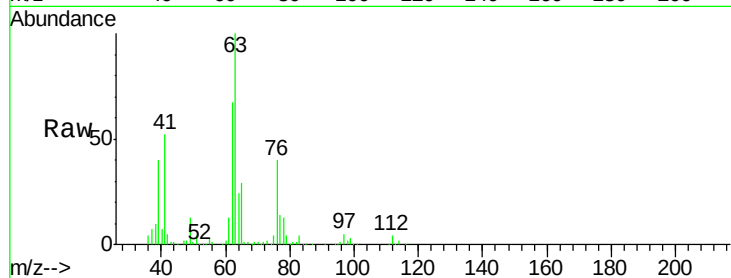




#45
 1,2-Dichloropropane
 Concen: 19.042 ug/l
 RT: 9.12 min Scan# 2343
 Delta R.T. 0.00 min
 Lab File: VN049784.D
 Acq: 12 Jul 2018 21:54

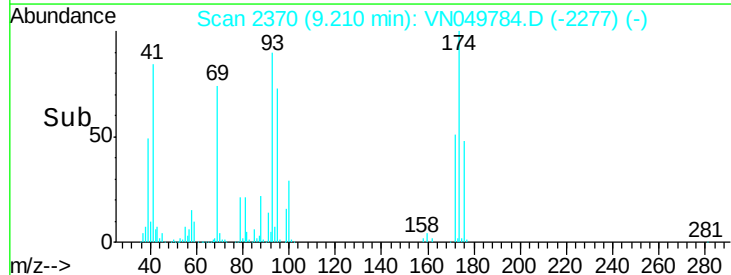
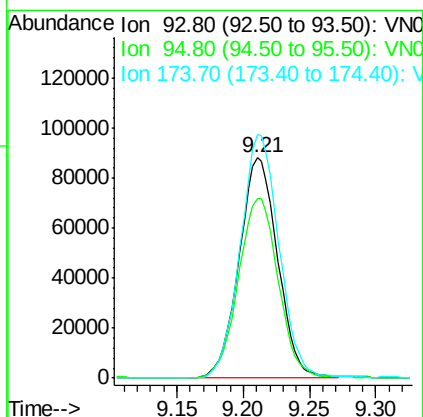
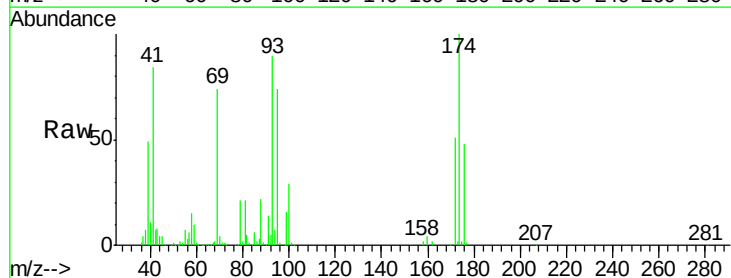
Instrument :
 MSVOA_N
 ClientSampleId :

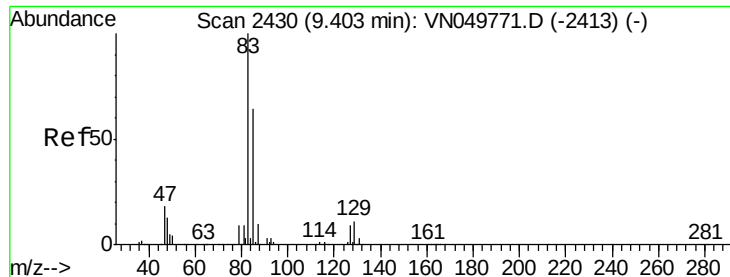
Tot Ion: 63 Resp: 306435
 Ion Ratio Lower Upper
 63 100
 65 29.2 24.7 37.1



#46
 Dibromomethane
 Concen: 18.654 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. -0.00 min
 Lab File: VN049784.D
 Acq: 12 Jul 2018 21:54

Tgt Ion: 93 Resp: 178292
 Ion Ratio Lower Upper
 93 100
 95 84.4 67.9 101.9
 174 111.0 89.4 134.0





#47

Bromodichloromethane

Concen: 18.858 ug/l

RT: 9.41 min Scan# 2431

Delta R.T. 0.00 min

Lab File: VN049784.D

Acq: 12 Jul 2018 21:54

Instrument :
MSVOA_N
ClientSampleId :

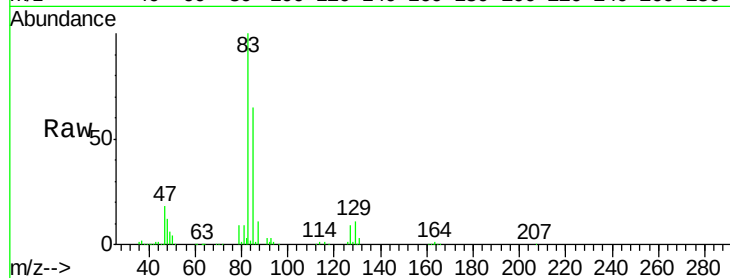
Tot Ion: 83 Resp: 396918

Ion Ratio Lower Upper

83 100

85 65.0 50.5 75.7

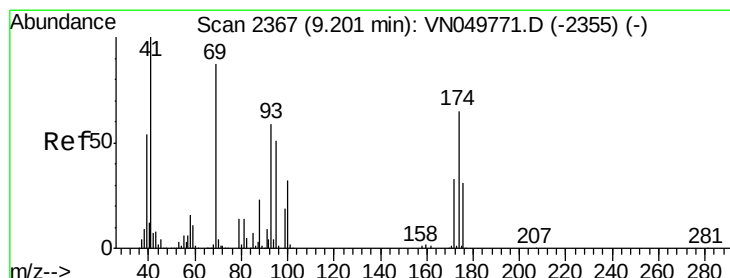
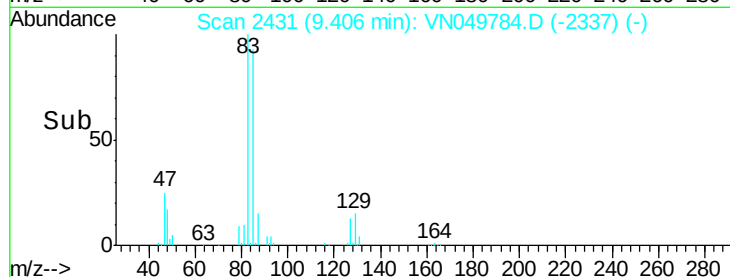
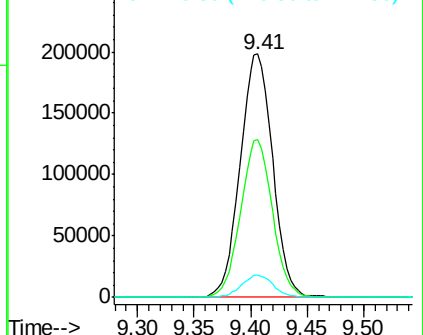
127 9.1 6.8 10.2



Abundance Ion 82.90 (82.60 to 83.60): VN049771.D (-2413) (-)

Ion 84.90 (84.60 to 85.60): VN049771.D (-2413) (-)

Ion 126.80 (126.50 to 127.50): VN049771.D (-2413) (-)



#48

Methyl methacrylate

Concen: 18.318 ug/l

RT: 9.20 min Scan# 2367

Delta R.T. -0.00 min

Lab File: VN049784.D

Acq: 12 Jul 2018 21:54

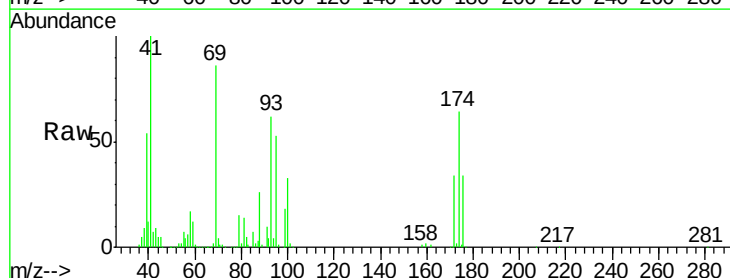
Tgt Ion: 41 Resp: 195051

Ion Ratio Lower Upper

41 100

69 85.4 71.5 107.3

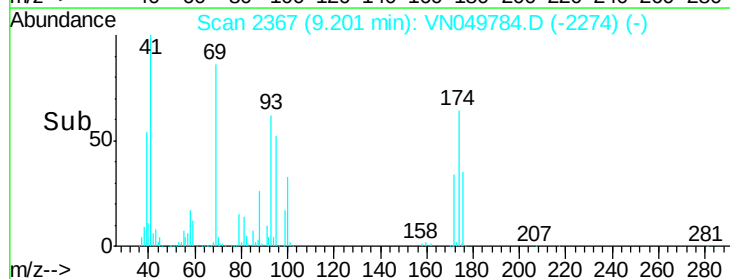
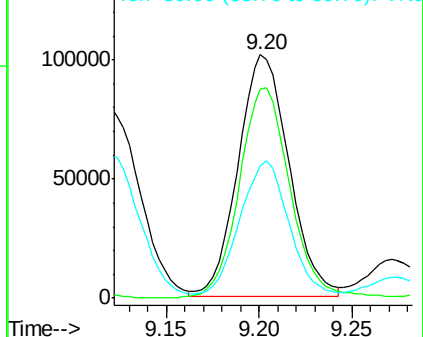
39 54.9 44.7 67.1

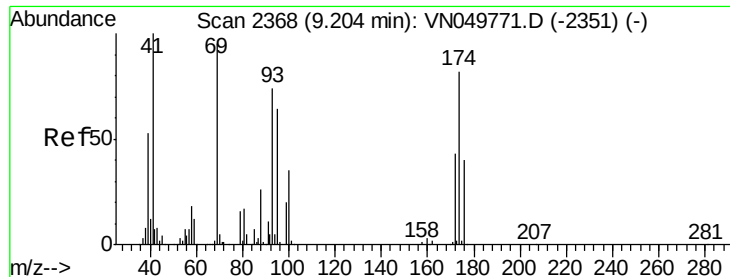


Abundance Ion 41.00 (40.70 to 41.70): VN049771.D (-2355) (-)

Ion 69.00 (68.70 to 69.70): VN049771.D (-2355) (-)

Ion 39.00 (38.70 to 39.70): VN049771.D (-2355) (-)

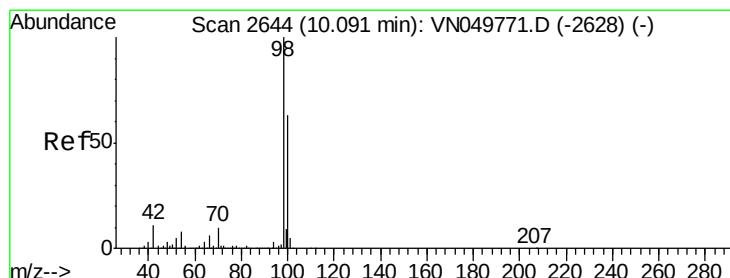
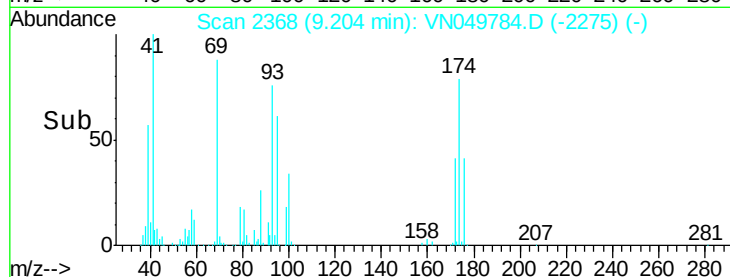
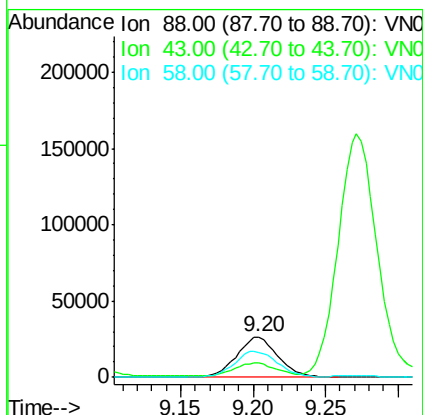
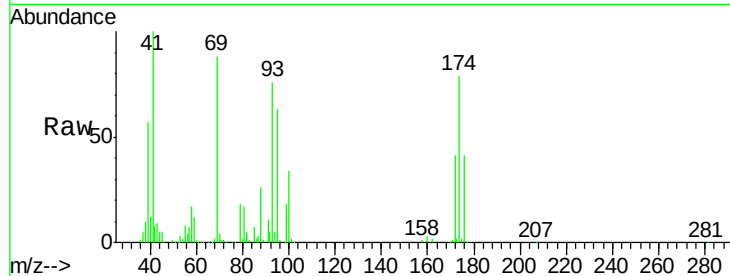




#49
1,4-Dioxane
Concen: 374.650 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. -0.00 min
Lab File: VN049784.D
Acq: 12 Jul 2018 21:54

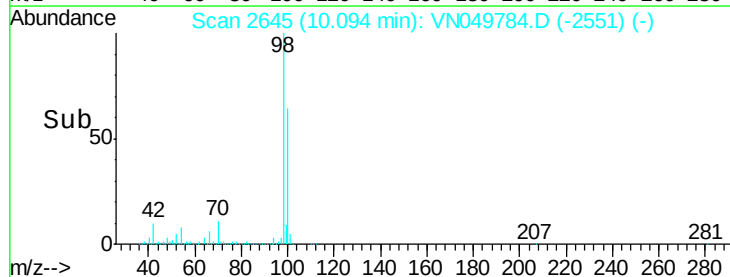
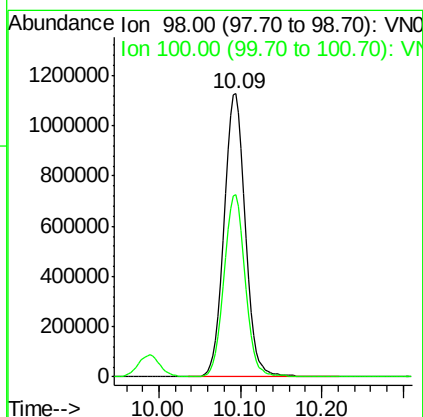
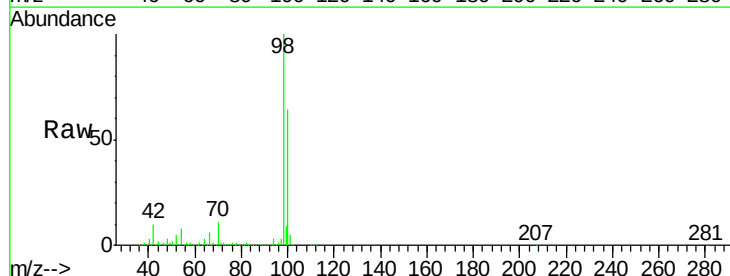
Instrument :
MSVOA_N
ClientSampleId :

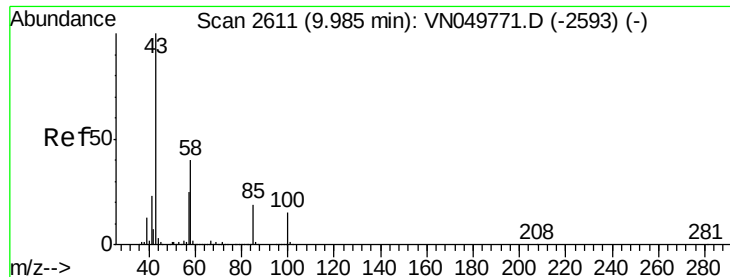
Tot Ion: 88 Resp: 52272
Ion Ratio Lower Upper
88 100
43 33.0 25.1 37.7
58 67.9 52.5 78.7



#50
Toluene-d8
Concen: 46.617 ug/l
RT: 10.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VN049784.D
Acq: 12 Jul 2018 21:54

Tgt Ion: 98 Resp: 2089342
Ion Ratio Lower Upper
98 100
100 64.3 51.7 77.5

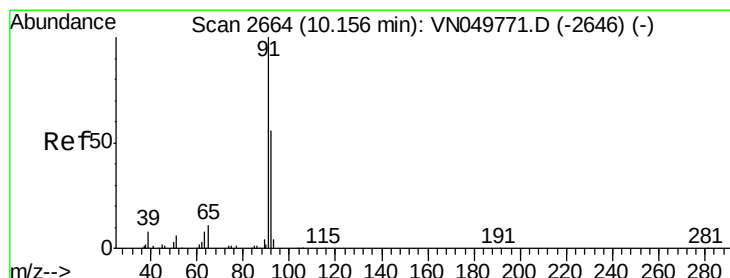
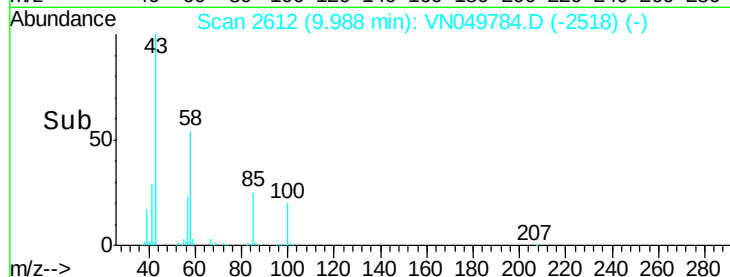
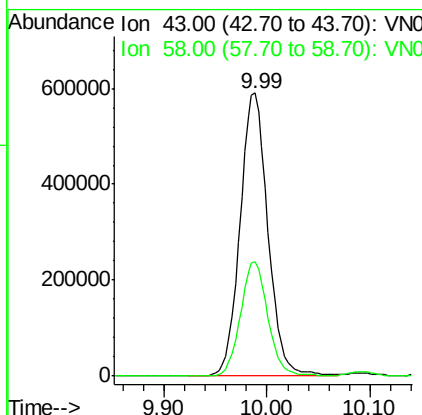
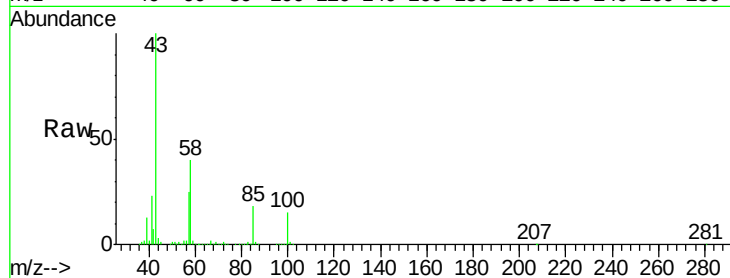




#51
4-Methyl-2-Pentanone
Concen: 95.867 ug/l
RT: 9.99 min Scan# 2612
Delta R.T. 0.00 min
Lab File: VN049784.D
Acq: 12 Jul 2018 21:54

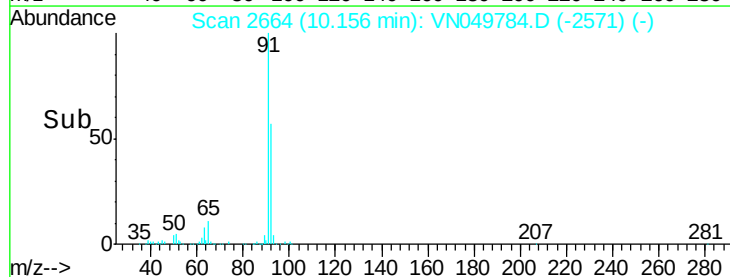
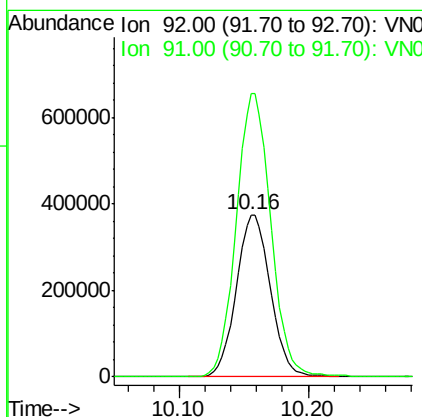
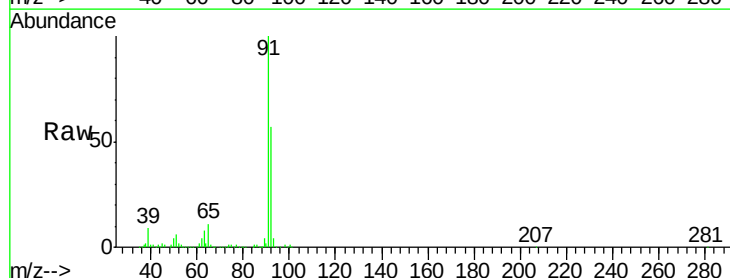
Instrument :
MSVOA_N
ClientSampled :

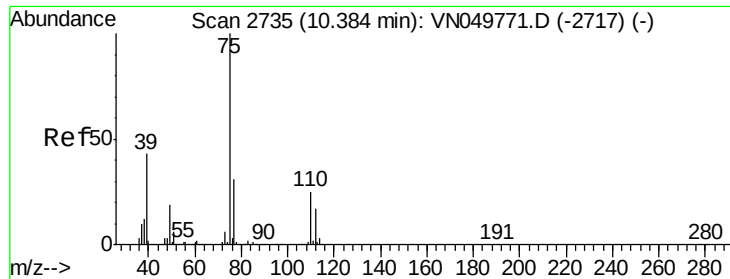
Tot Ion: 43 Resp: 1108543
Ion Ratio Lower Upper
43 100
58 39.8 31.8 47.8



#52
Toluene
Concen: 19.214 ug/l
RT: 10.16 min Scan# 2664
Delta R.T. -0.00 min
Lab File: VN049784.D
Acq: 12 Jul 2018 21:54

Tgt Ion: 92 Resp: 688585
Ion Ratio Lower Upper
92 100
91 178.0 140.1 210.1





#53

t-1,3-Dichloropropene

Concen: 18.152 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. -0.00 min

Lab File: VN049784.D

Acq: 12 Jul 2018 21:54

Instrument :

MSVOA_N

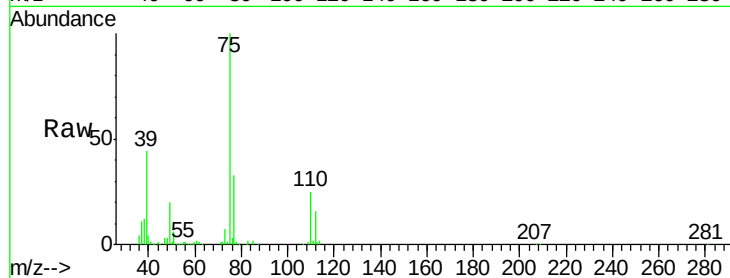
ClientSampled :

Tot Ion: 75 Resp: 367489

Ion Ratio Lower Upper

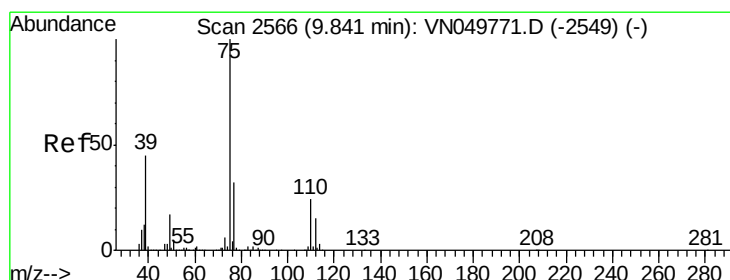
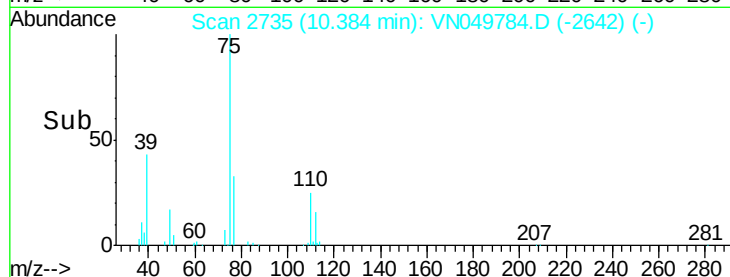
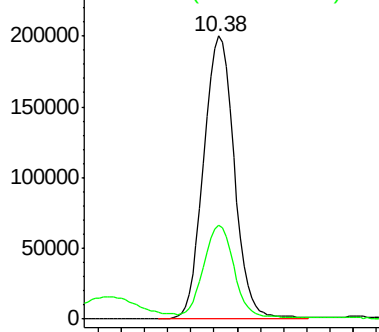
75 100

77 32.4 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: 18.563 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. -0.00 min

Lab File: VN049784.D

Acq: 12 Jul 2018 21:54

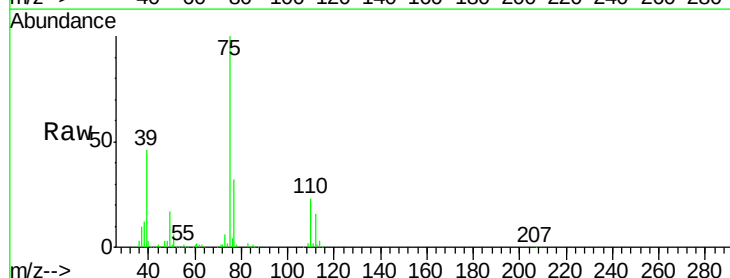
Tgt Ion: 75 Resp: 428060

Ion Ratio Lower Upper

75 100

77 32.1 25.3 37.9

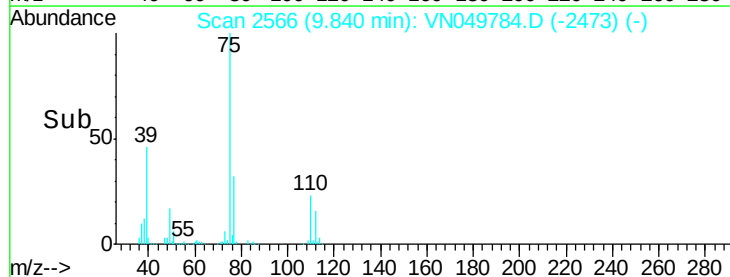
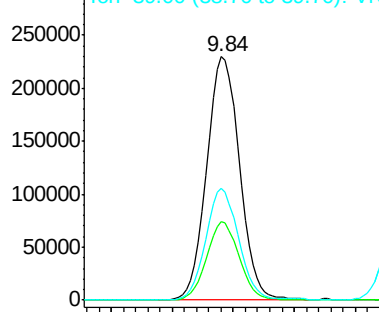
39 46.0 35.5 53.3

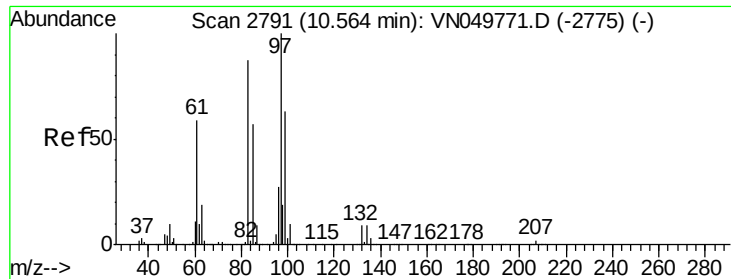


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

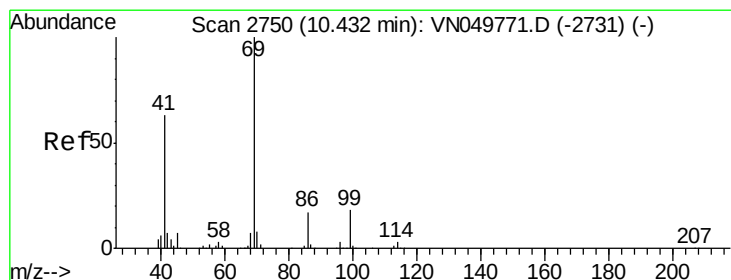
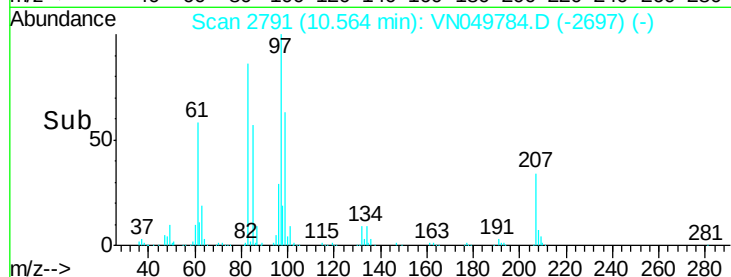
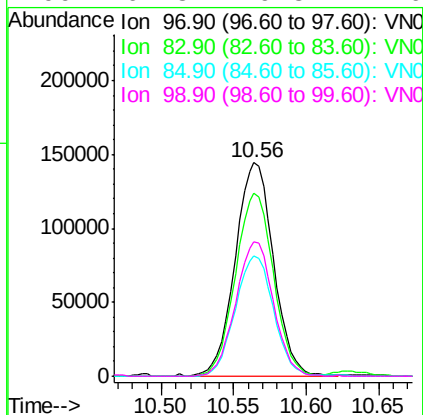
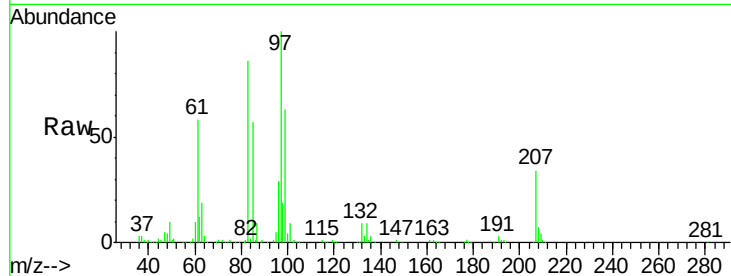




#55
 1,1,2-Trichloroethane
 Concen: 19.163 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN049784.D
 Acq: 12 Jul 2018 21:54

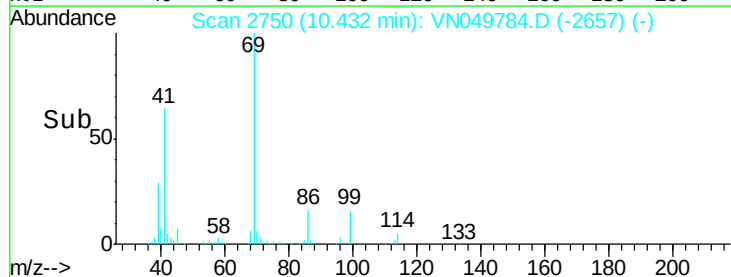
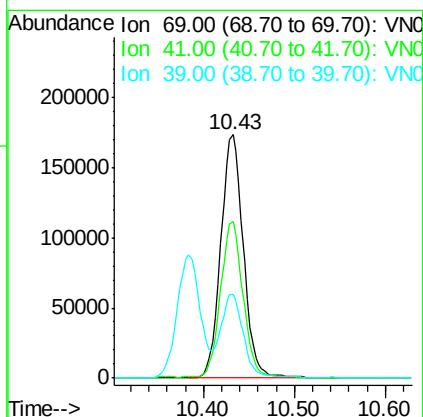
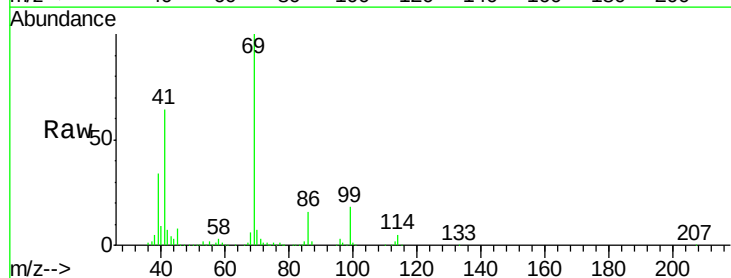
Instrument :
 MSVOA_N
 ClientSampled :

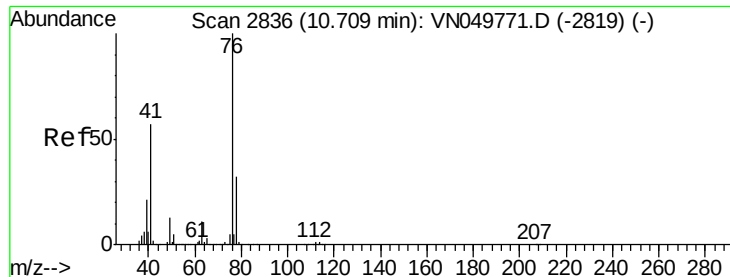
Tot Ion:	97	Resp:	265511
Ion	Ratio	Lower	Upper
97	100		
83	85.8	69.0	103.6
85	56.6	44.9	67.3
99	62.8	49.8	74.6



#56
 Ethyl methacrylate
 Concen: 18.501 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. -0.00 min
 Lab File: VN049784.D
 Acq: 12 Jul 2018 21:54

Tgt Ion:	69	Resp:	299291
Ion	Ratio	Lower	Upper
69	100		
41	63.0	51.6	77.4
39	33.4	25.8	38.8





#57

1,3-Dichloropropane

Concen: 18.807 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. -0.00 min

Lab File: VN049784.D

Acq: 12 Jul 2018 21:54

Instrument :

MSVOA_N

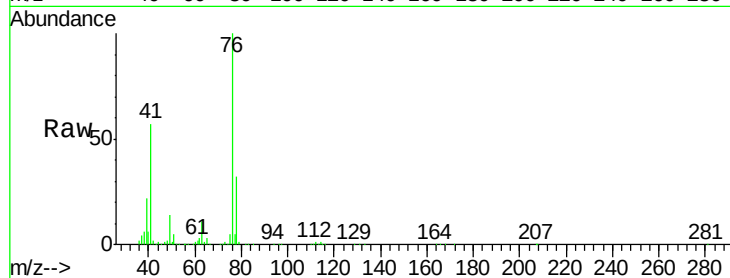
ClientSampleId :

Tot Ion: 76 Resp: 429392

Ion Ratio Lower Upper

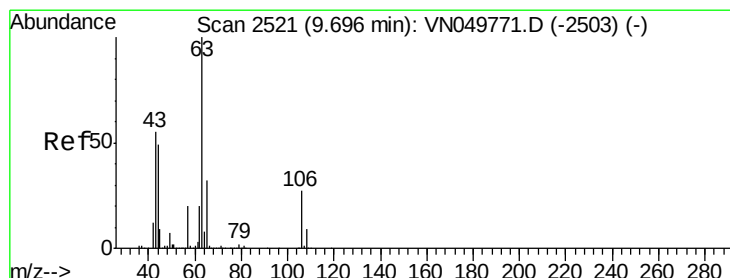
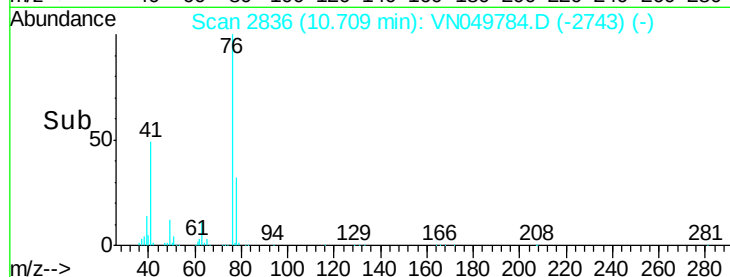
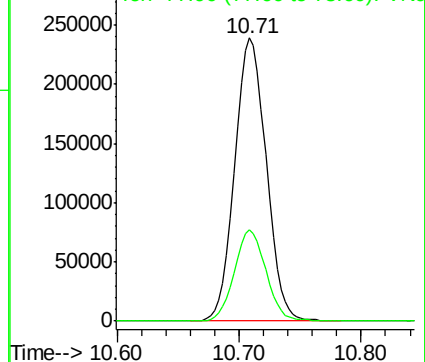
76 100

78 32.2 25.8 38.8



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 94.627 ug/l

RT: 9.70 min Scan# 2522

Delta R.T. 0.00 min

Lab File: VN049784.D

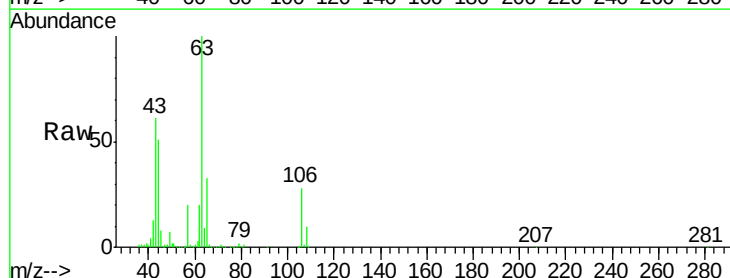
Acq: 12 Jul 2018 21:54

Tgt Ion: 63 Resp: 734157

Ion Ratio Lower Upper

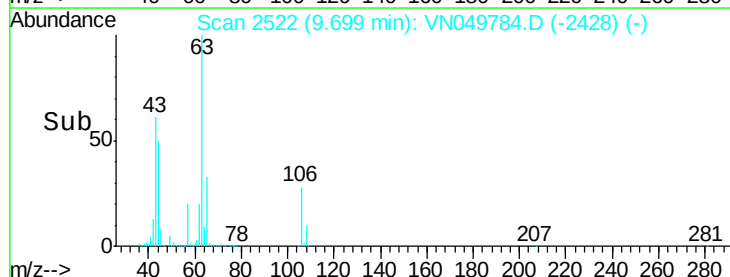
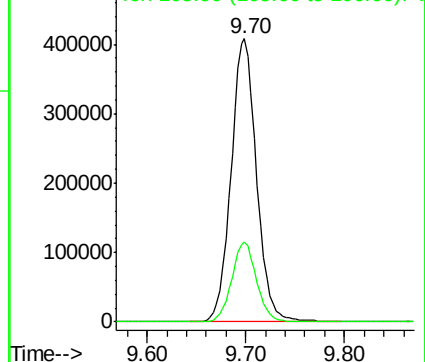
63 100

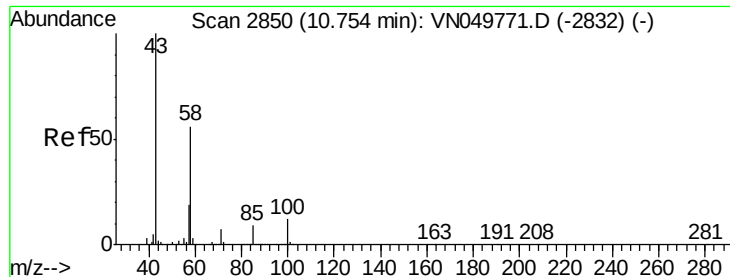
106 27.5 21.8 32.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

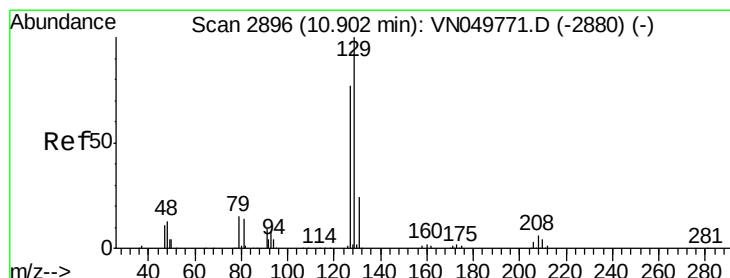
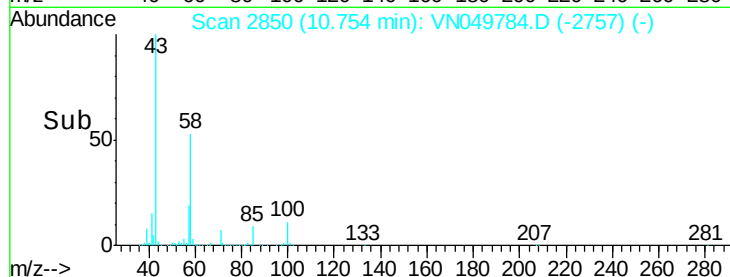
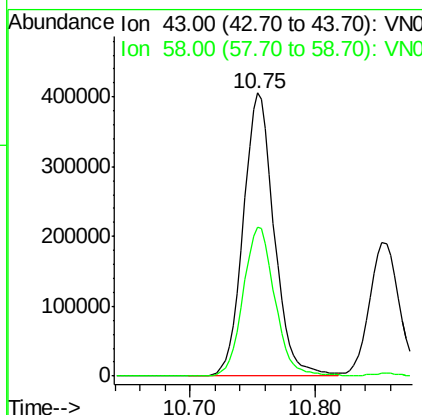
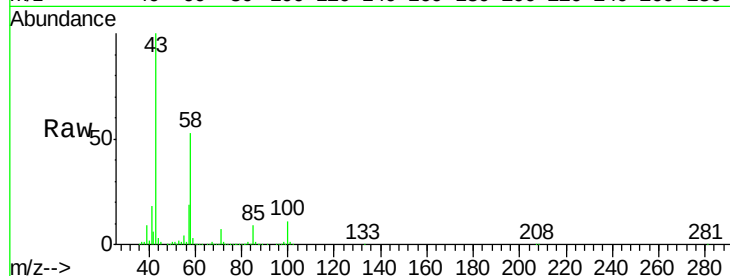




#59
2-Hexanone
Concen: 89.949 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. -0.00 min
Lab File: VN049784.D
Acq: 12 Jul 2018 21:54

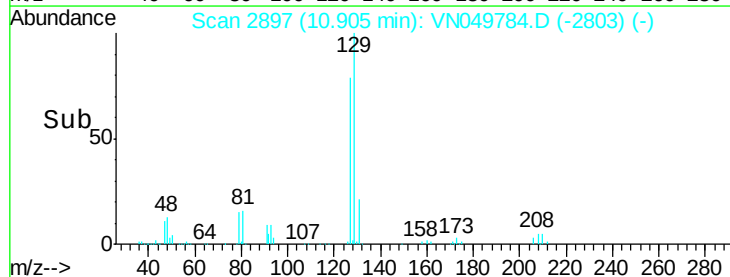
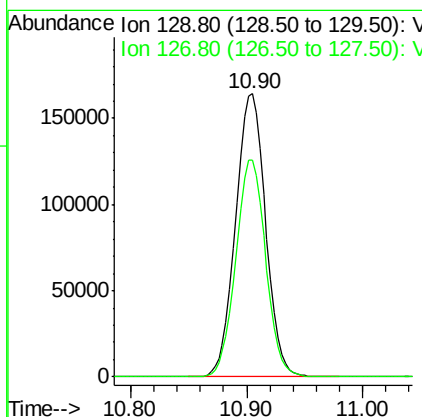
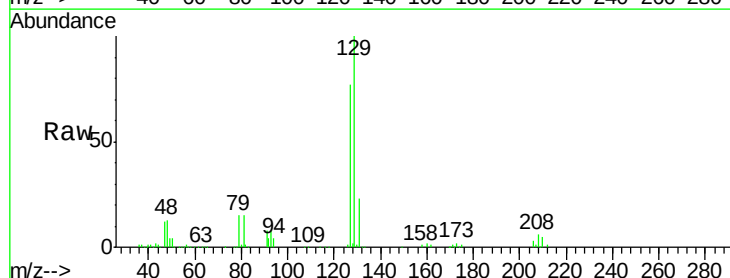
Instrument :
MSVOA_N
ClientSampled :

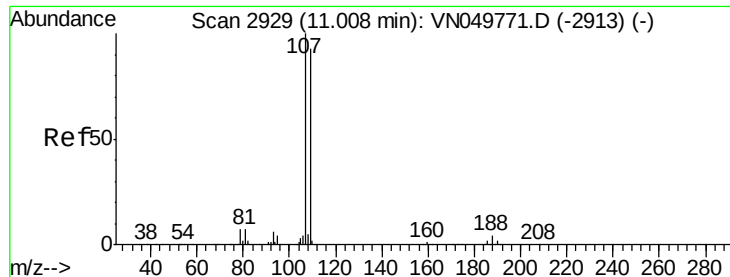
Tot Ion: 43 Resp: 691463
Ion Ratio Lower Upper
43 100
58 54.3 27.8 83.4



#60
Dibromochloromethane
Concen: 18.779 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VN049784.D
Acq: 12 Jul 2018 21:54

Tgt Ion: 129 Resp: 294821
Ion Ratio Lower Upper
129 100
127 76.1 38.3 114.9





#61

1,2-Dibromoethane

Concen: 18.403 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. -0.00 min

Lab File: VN049784.D

Acq: 12 Jul 2018 21:54

Instrument :

MSVOA_N

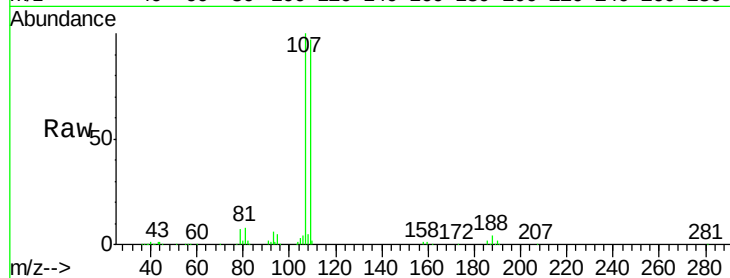
ClientSampleId :

Tot Ion:107 Resp: 240014

Ion Ratio Lower Upper

107 100

109 95.9 75.0 112.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.01

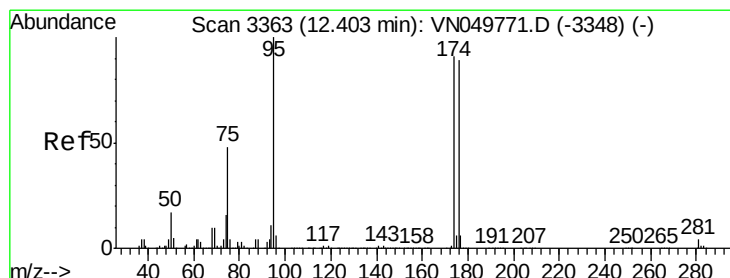
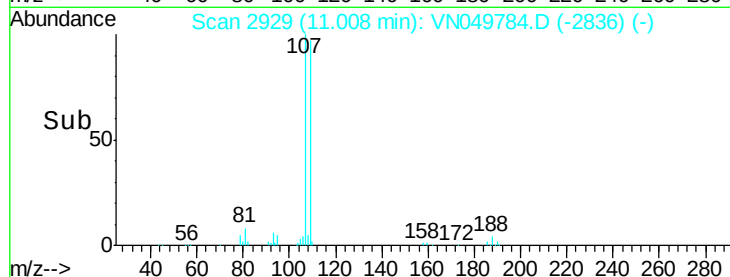
150000

100000

50000

0

Time--> 10.90 11.00 11.10



#62

4-Bromofluorobenzene

Concen: 45.955 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN049784.D

Acq: 12 Jul 2018 21:54

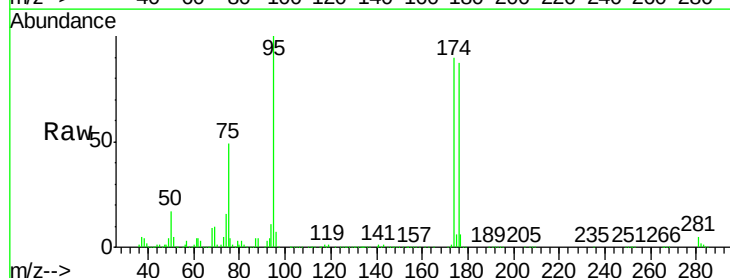
Tgt Ion: 95 Resp: 735644

Ion Ratio Lower Upper

95 100

174 90.7 0.0 179.6

176 86.6 0.0 174.0



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.40

600000

500000

400000

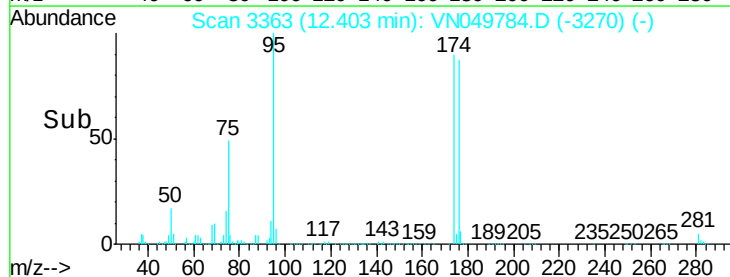
300000

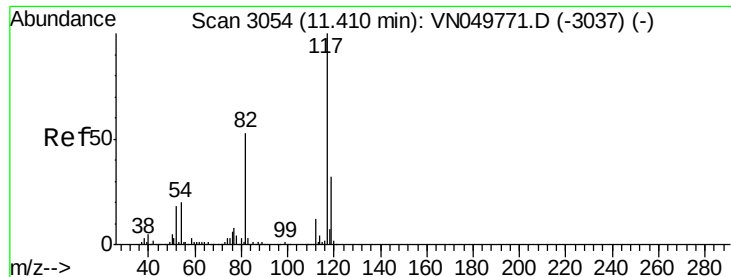
200000

100000

0

Time--> 12.35 12.40 12.45





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. -0.00 min

Lab File: VN049784.D

Acq: 12 Jul 2018 21:54

Instrument :

MSVOA_N

ClientSampled :

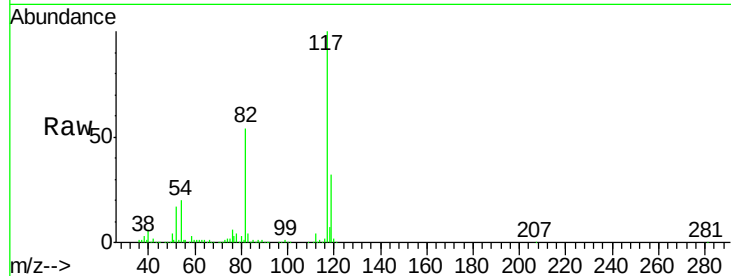
Tot Ion:117 Resp: 1566164

Ion Ratio Lower Upper

117 100

82 53.7 41.9 62.9

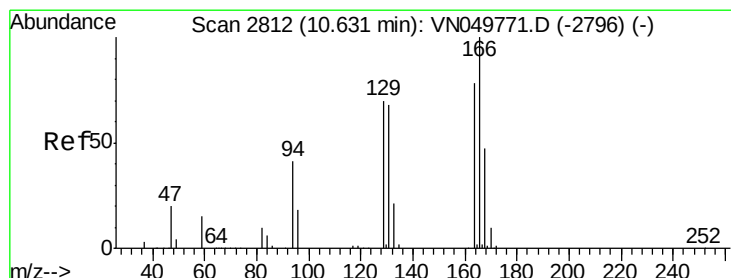
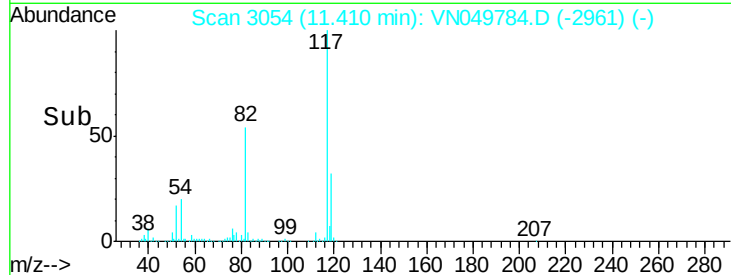
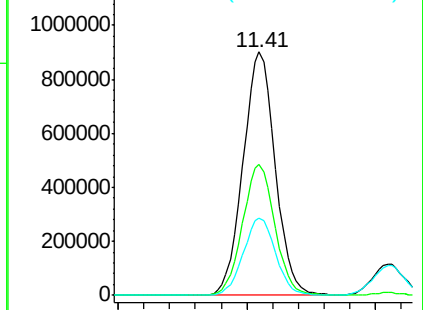
119 31.9 25.4 38.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 18.847 ug/l

RT: 10.63 min Scan# 2812

Delta R.T. -0.00 min

Lab File: VN049784.D

Acq: 12 Jul 2018 21:54

Tgt Ion:164 Resp: 268007

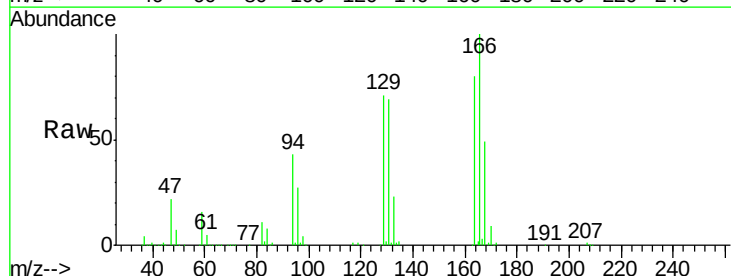
Ion Ratio Lower Upper

164 100

166 125.0 101.8 152.6

129 88.6 72.8 109.2

131 86.5 70.0 105.0

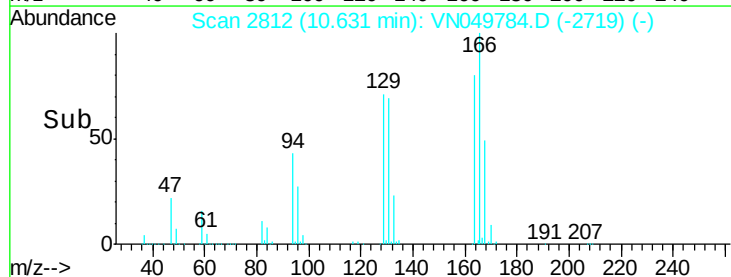
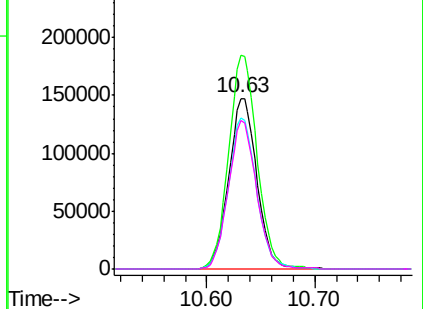


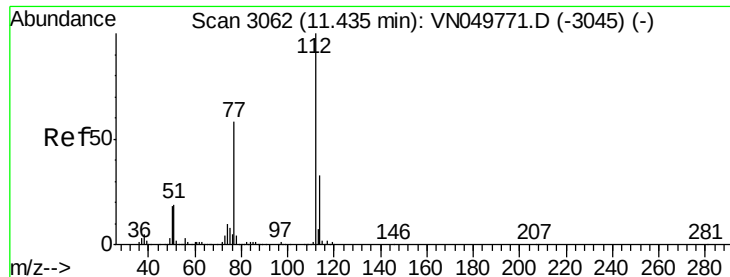
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

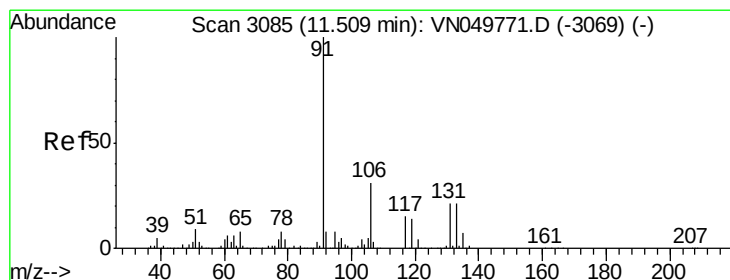
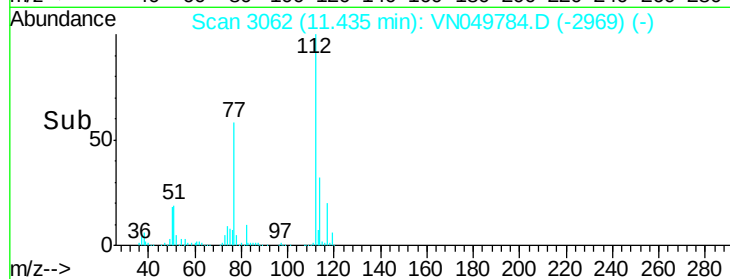
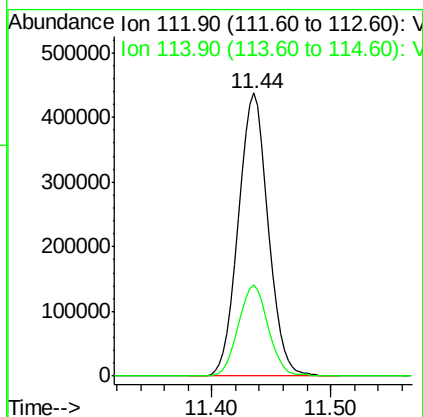
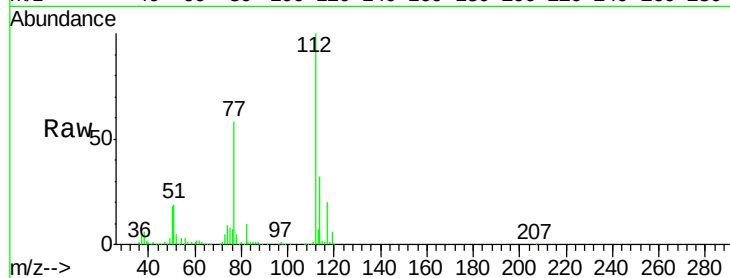




#65
Chlorobenzene
Concen: 18.625 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN049784.D
Acq: 12 Jul 2018 21:54

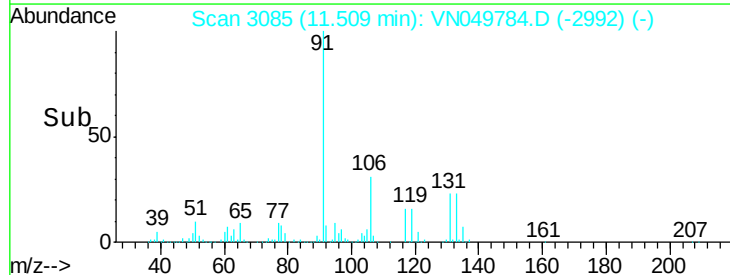
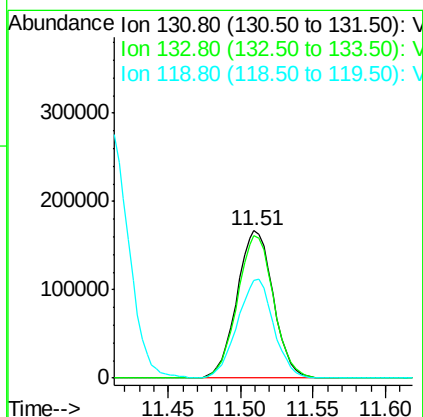
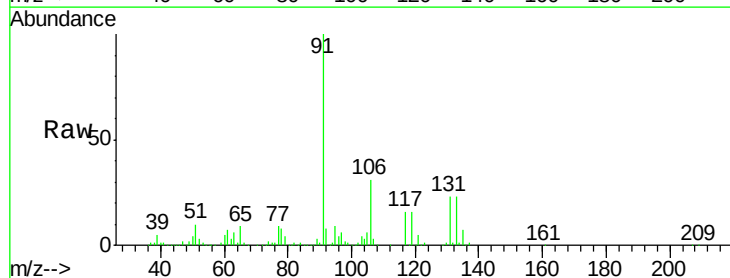
Instrument :
MSVOA_N
ClientSampleId :

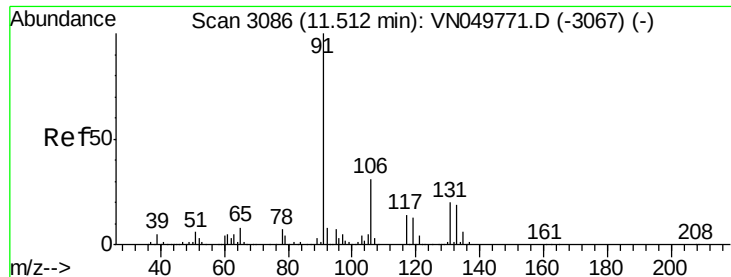
Tot Ion:112 Resp: 759893
Ion Ratio Lower Upper
112 100
114 32.3 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 18.968 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. -0.00 min
Lab File: VN049784.D
Acq: 12 Jul 2018 21:54

Tgt Ion:131 Resp: 291171
Ion Ratio Lower Upper
131 100
133 96.5 47.5 142.6
119 66.7 33.1 99.3

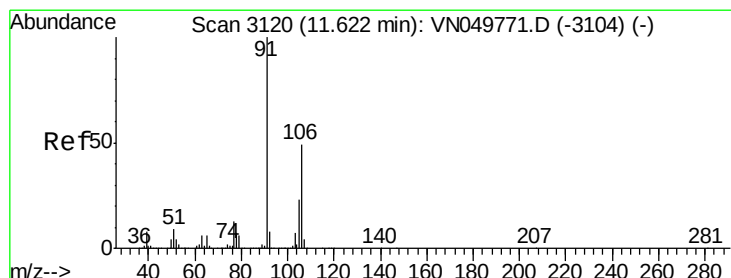
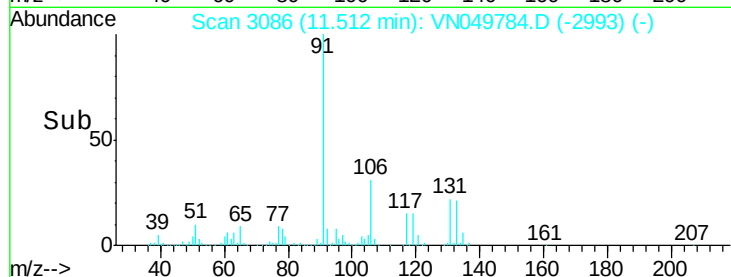
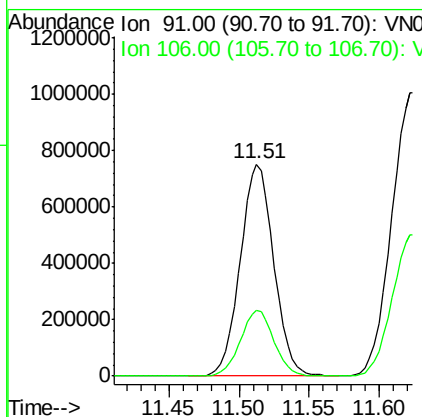
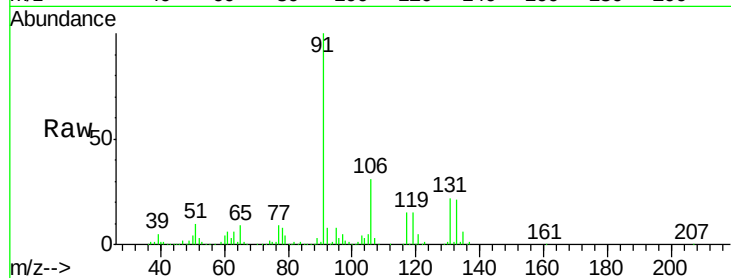




#67
Ethyl Benzene
Concen: 18.755 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. -0.00 min
Lab File: VN049784.D
Acq: 12 Jul 2018 21:54

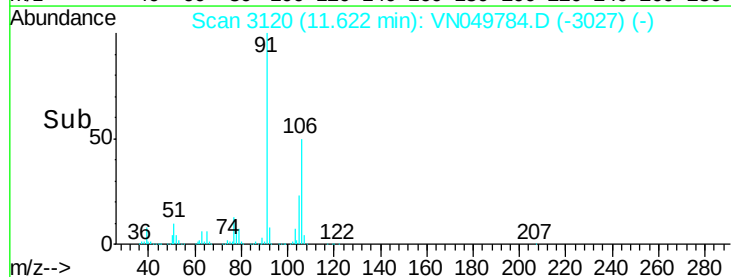
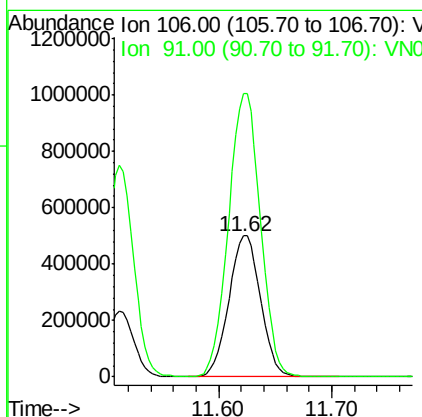
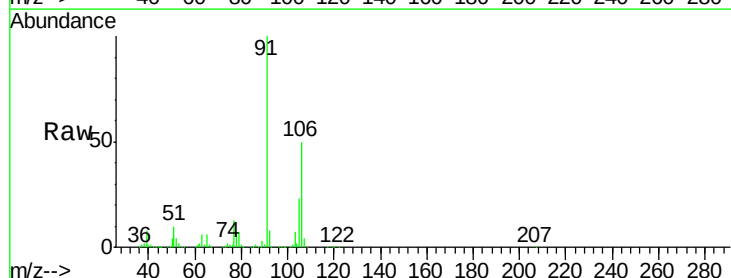
Instrument :
MSVOA_N
ClientSampled :

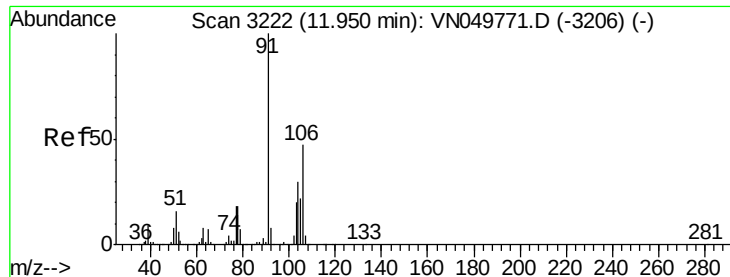
Tot Ion: 91 Resp: 1253088
Ion Ratio Lower Upper
91 100
106 31.2 24.8 37.2



#68
m/p-Xylenes
Concen: 38.687 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. -0.00 min
Lab File: VN049784.D
Acq: 12 Jul 2018 21:54

Tgt Ion: 106 Resp: 970159
Ion Ratio Lower Upper
106 100
91 203.1 163.4 245.2

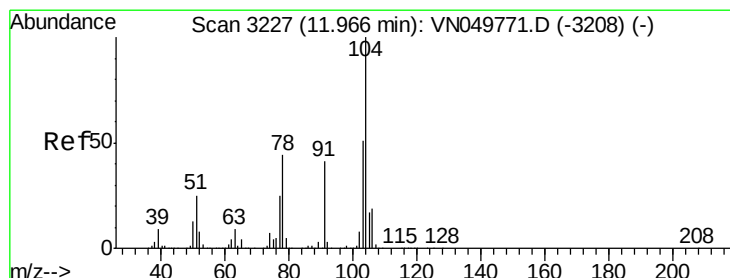
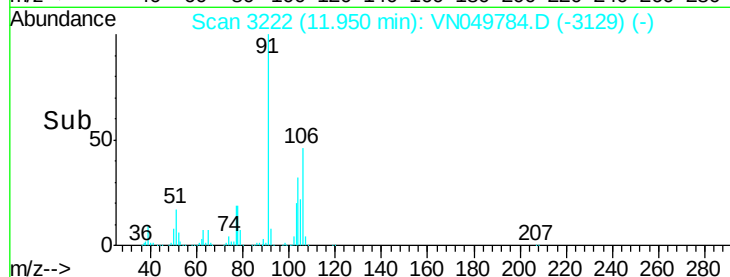
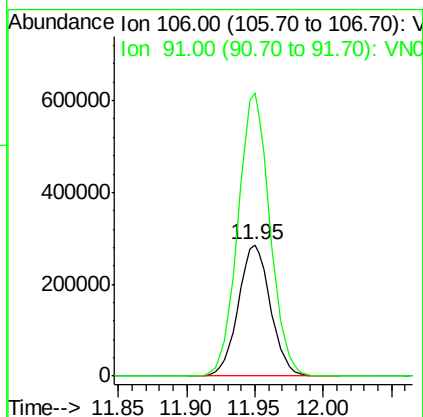
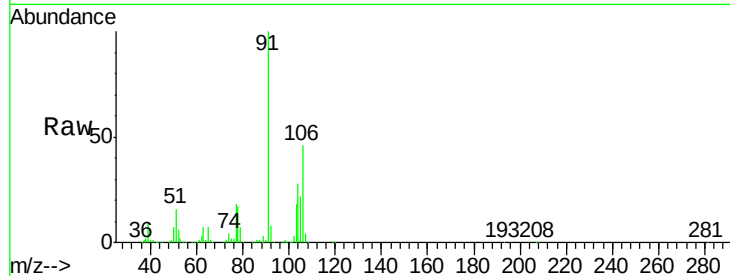




#69
o-Xylene
Concen: 19.319 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. -0.00 min
Lab File: VN049784.D
Acq: 12 Jul 2018 21:54

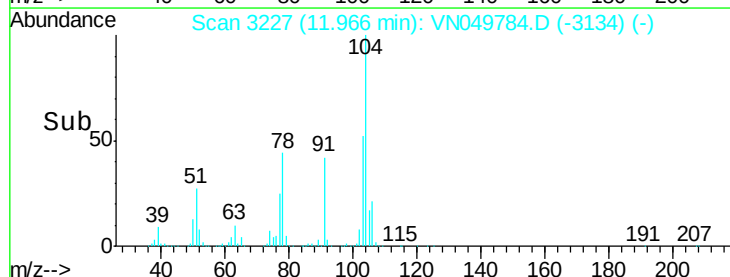
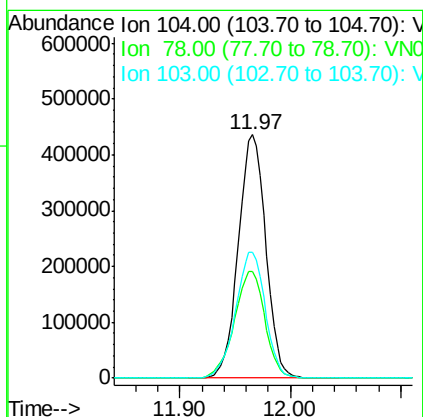
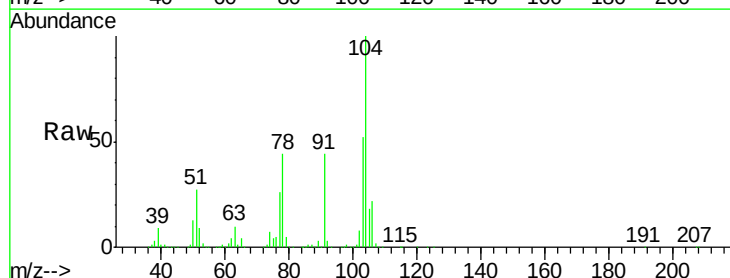
Instrument :
MSVOA_N
ClientSampleId :

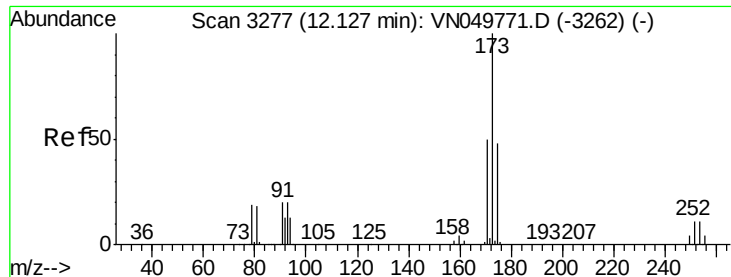
Tot Ion:106 Resp: 468007
Ion Ratio Lower Upper
106 100
91 213.5 108.7 326.1



#70
Styrene
Concen: 19.530 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. -0.00 min
Lab File: VN049784.D
Acq: 12 Jul 2018 21:54

Tgt Ion:104 Resp: 751543
Ion Ratio Lower Upper
104 100
78 48.7 39.2 58.8
103 56.0 44.6 67.0





#71

Bromoform

Concen: 18.933 ug/l

RT: 12.13 min Scan# 3277

Delta R.T. -0.00 min

Lab File: VN049784.D

Acq: 12 Jul 2018 21:54

Instrument :

MSVOA_N

ClientSampled :

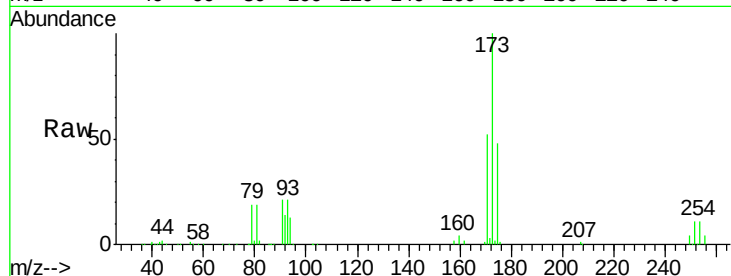
Tot Ion:173 Resp: 196375

Ion Ratio Lower Upper

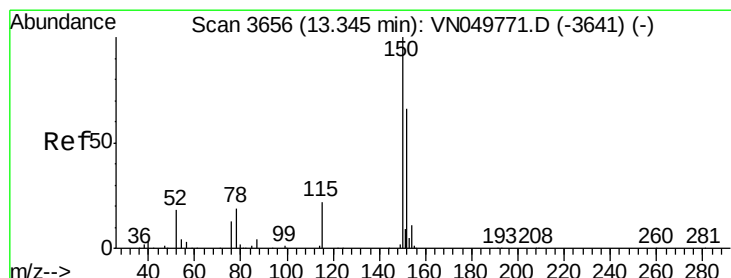
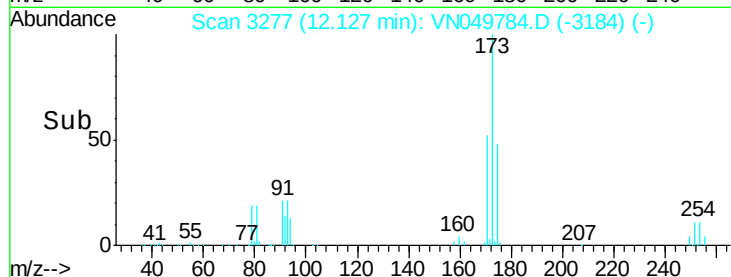
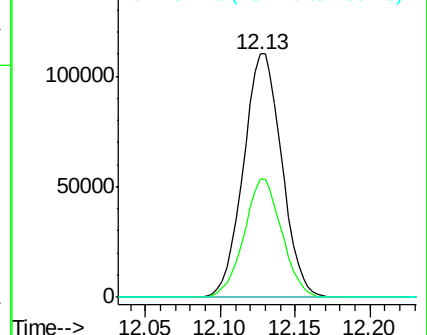
173 100

175 47.7 24.6 73.8

254 0.0 0.2 0.2#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. -0.00 min

Lab File: VN049784.D

Acq: 12 Jul 2018 21:54

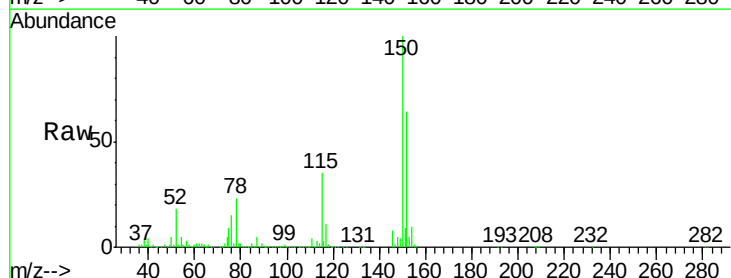
Tgt Ion:152 Resp: 784801

Ion Ratio Lower Upper

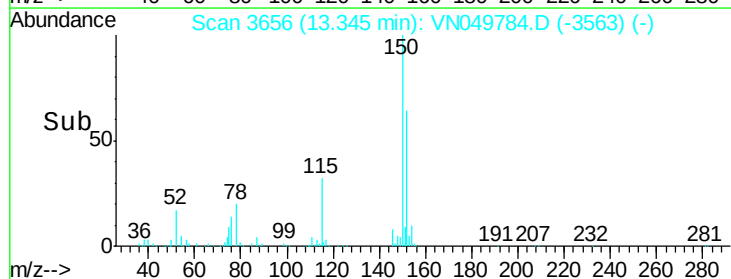
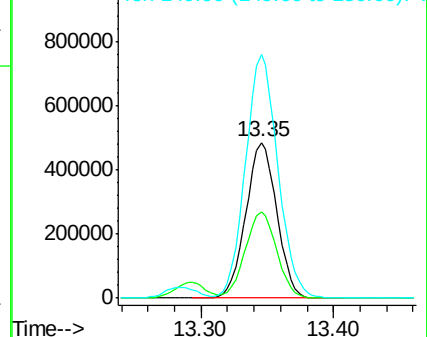
152 100

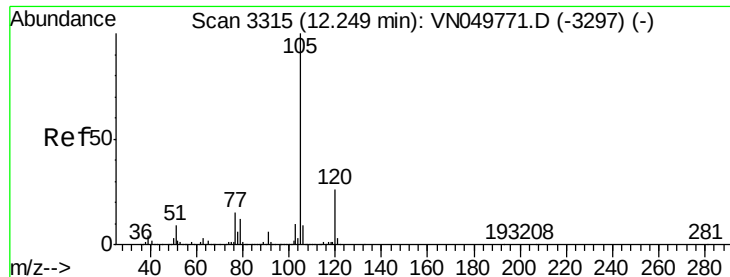
115 56.2 28.1 84.2

150 164.5 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: 19.198 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN049784.D

Acq: 12 Jul 2018 21:54

Instrument :

MSVOA_N

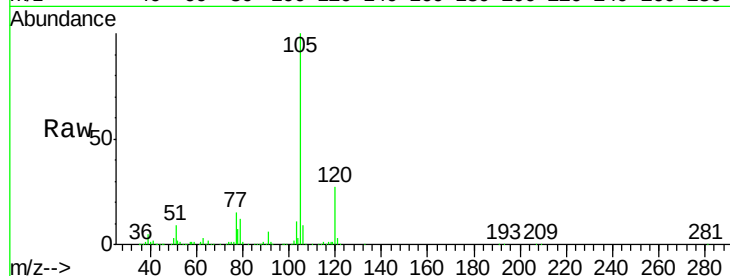
ClientSampleId :

Tot Ion:105 Resp: 1252115

Ion Ratio Lower Upper

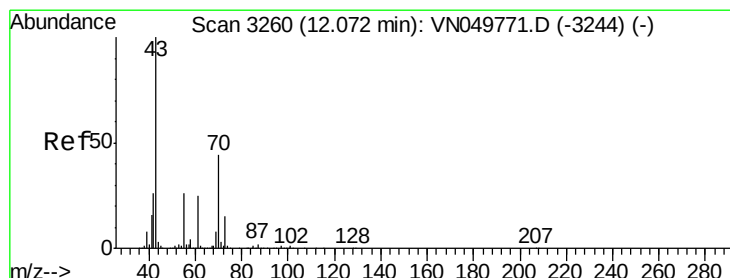
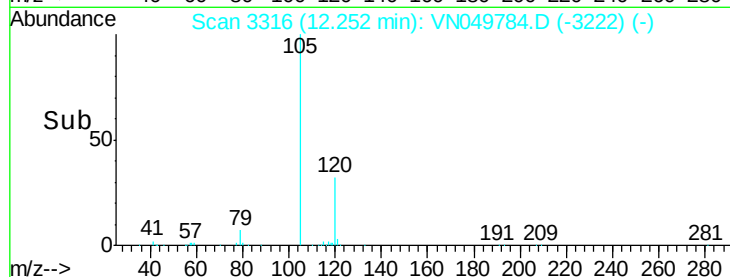
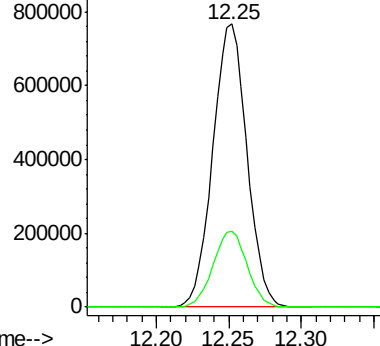
105 100

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



#74

N-ethyl acetate

Concen: 18.845 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. -0.00 min

Lab File: VN049784.D

Acq: 12 Jul 2018 21:54

Tgt Ion: 43 Resp: 319751

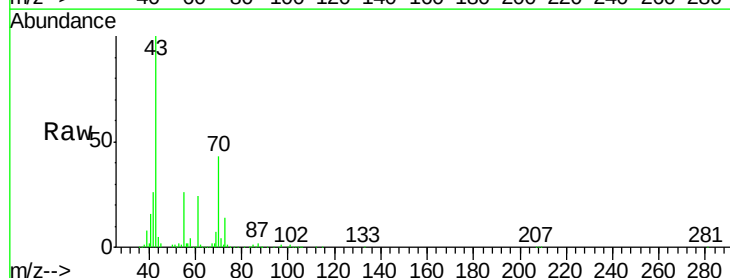
Ion Ratio Lower Upper

43 100

70 43.1 34.8 52.2

55 26.3 20.9 31.3

61 24.3 19.9 29.9

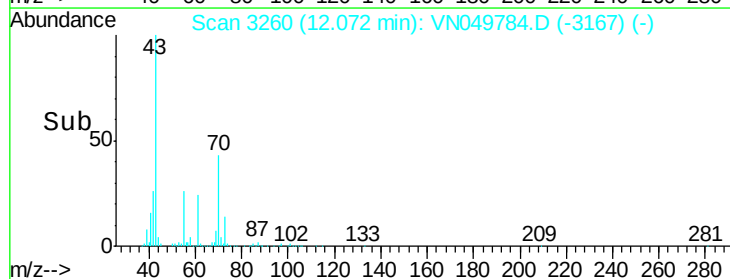
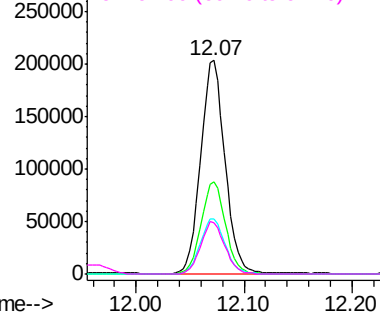


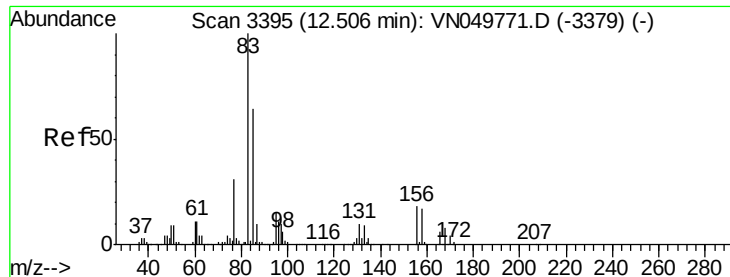
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 19.817 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. -0.00 min

Lab File: VN049784.D

Acq: 12 Jul 2018 21:54

Instrument :

MSVOA_N

ClientSampled :

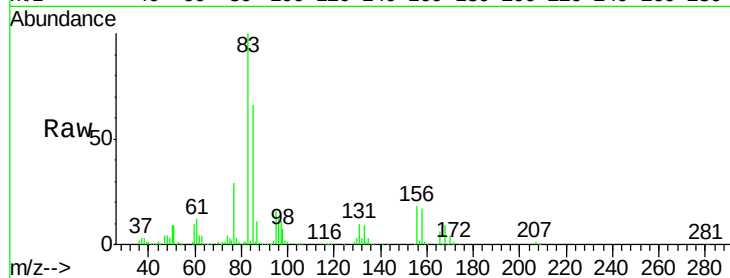
Tot Ion: 83 Resp: 315679

Ion Ratio Lower Upper

83 100

131 10.6 5.2 15.6

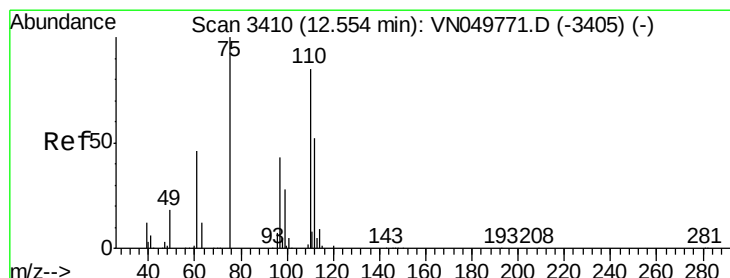
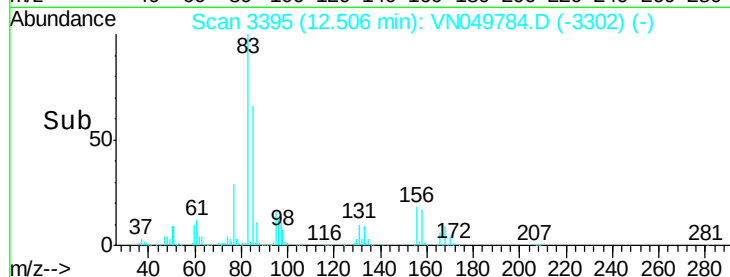
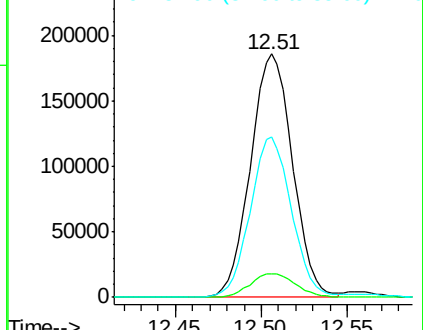
85 64.6 32.5 97.4



Abundance Ion 82.90 (82.60 to 83.60): VN049771.D (-3379) (-)

Ion 130.80 (130.50 to 131.50): VN049771.D (-3379) (-)

Ion 84.90 (84.60 to 85.60): VN049771.D (-3379) (-)



#76

1,2,3-Trichloropropane

Concen: 26.107 ug/l

RT: 12.55 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN049784.D

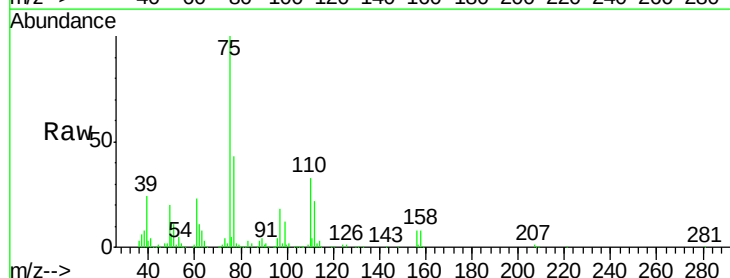
Acq: 12 Jul 2018 21:54

Tgt Ion: 75 Resp: 363989

Ion Ratio Lower Upper

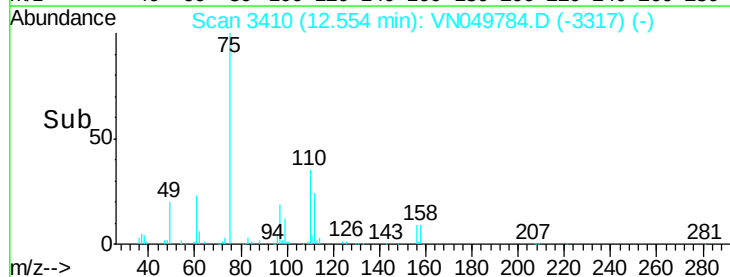
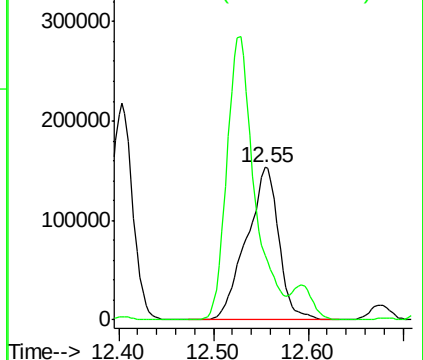
75 100

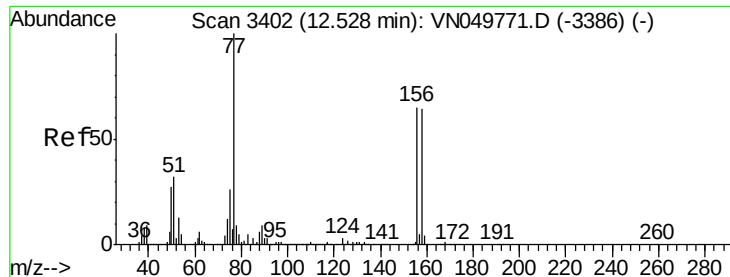
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN049771.D (-3405) (-)

Ion 77.00 (76.70 to 77.70): VN049771.D (-3405) (-)





#77

Bromobenzene

Concen: 18.781 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. -0.00 min

Lab File: VN049784.D

Acq: 12 Jul 2018 21:54

Instrument :

MSVOA_N

ClientSampleId :

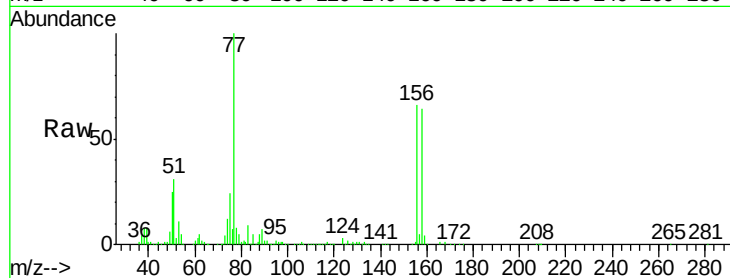
Tot Ion:156 Resp: 324966

Ion Ratio Lower Upper

156 100

77 178.9 90.2 270.6

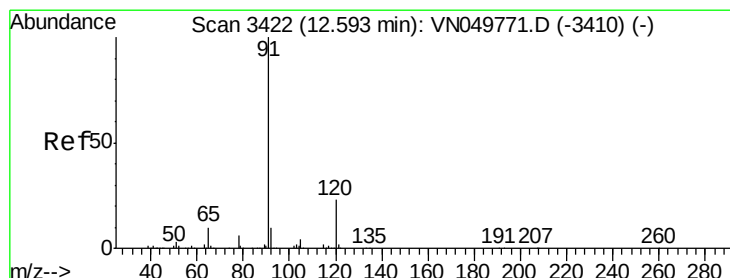
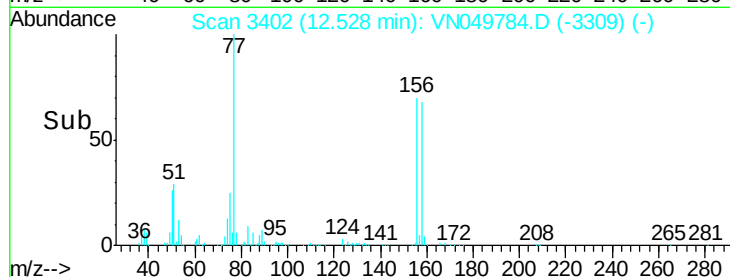
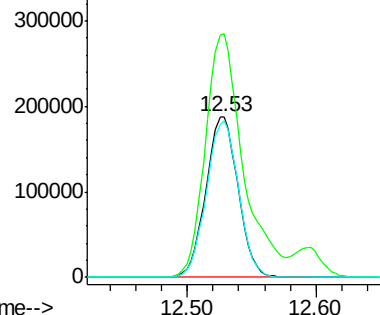
158 97.5 49.1 147.3



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: 19.157 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. -0.00 min

Lab File: VN049784.D

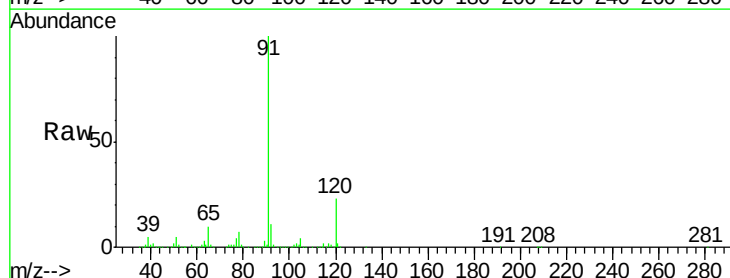
Acq: 12 Jul 2018 21:54

Tgt Ion: 91 Resp: 1408769

Ion Ratio Lower Upper

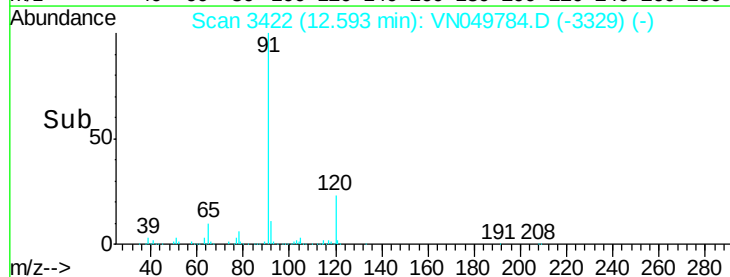
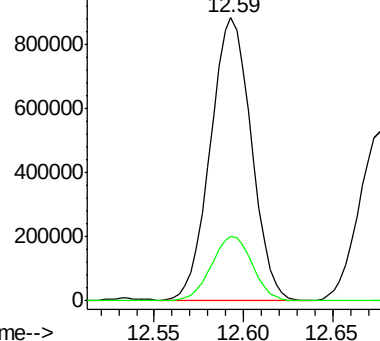
91 100

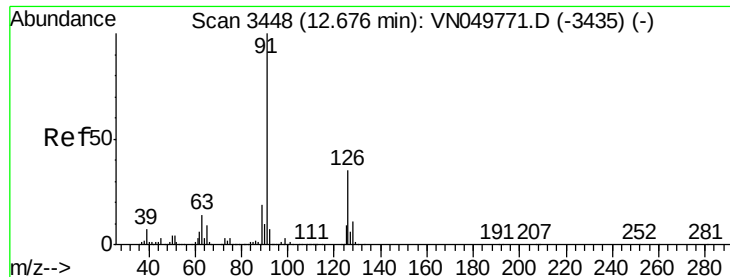
120 23.0 11.5 34.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.383 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. -0.00 min

Lab File: VN049784.D

Acq: 12 Jul 2018 21:54

Instrument :

MSVOA_N

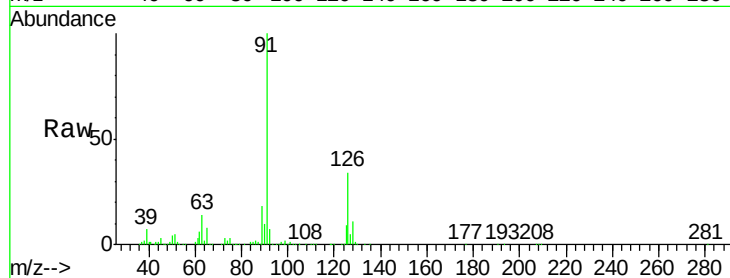
ClientSampled :

Tot Ion: 91 Resp: 872321

Ion Ratio Lower Upper

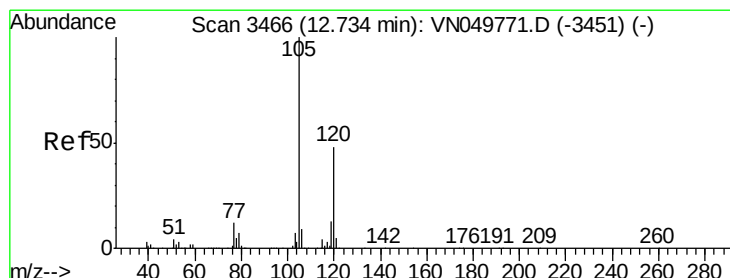
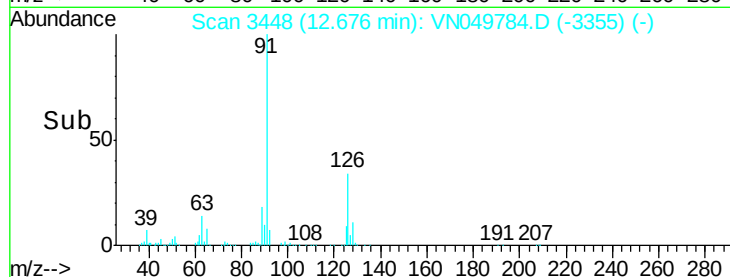
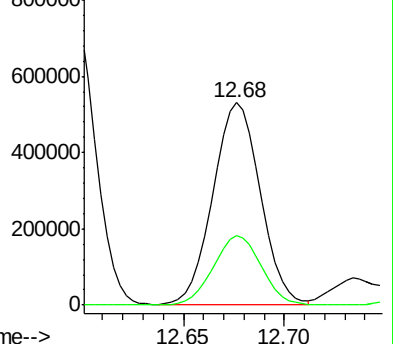
91 100

126 34.8 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: 19.796 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. -0.00 min

Lab File: VN049784.D

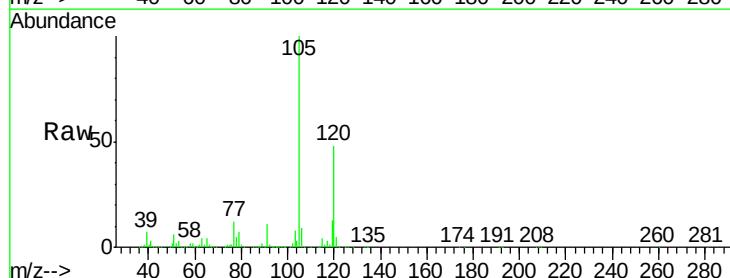
Acq: 12 Jul 2018 21:54

Tgt Ion: 105 Resp: 1026081

Ion Ratio Lower Upper

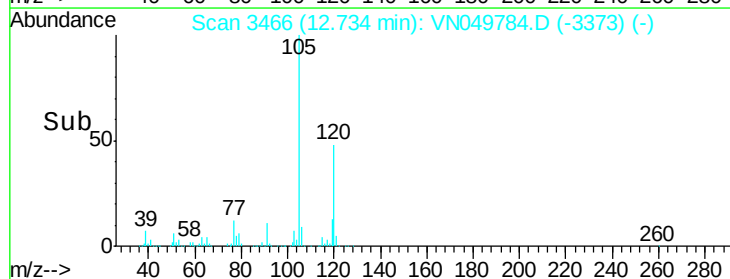
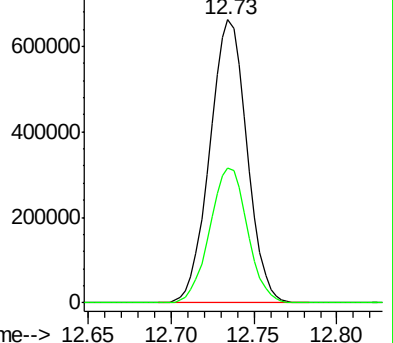
105 100

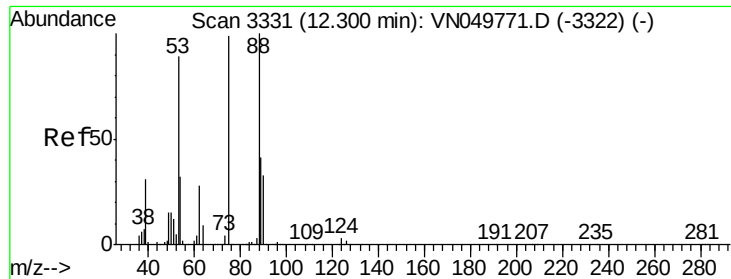
120 48.7 24.3 72.8



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: 17.007 ug/l

RT: 12.30 min Scan# 3331

Delta R.T. -0.00 min

Lab File: VN049784.D

Acq: 12 Jul 2018 21:54

Instrument :

MSVOA_N

ClientSampled :

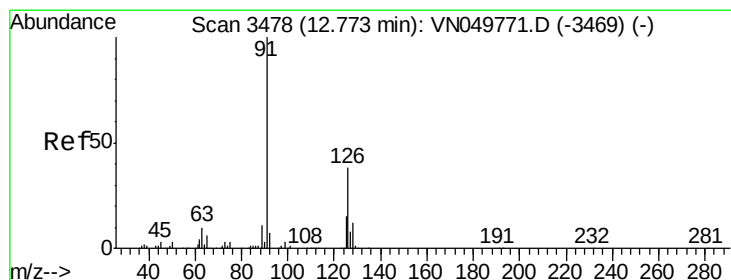
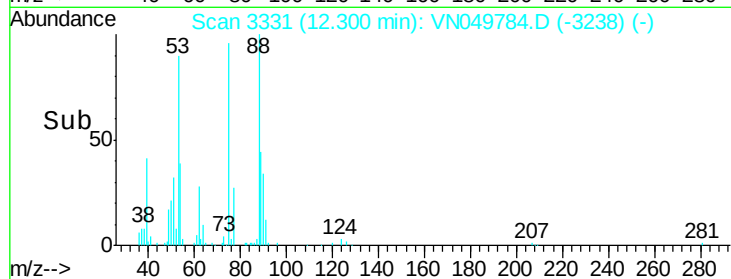
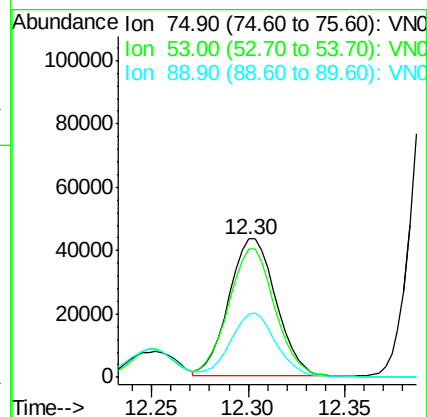
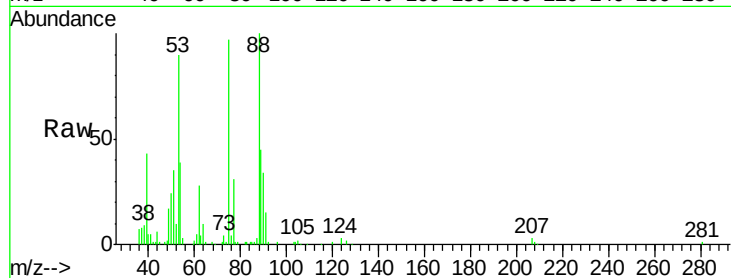
Tot Ion: 75 Resp: 73424

Ion Ratio Lower Upper

75 100

53 93.6 73.9 110.9

89 45.8 35.9 53.9



#82

4-Chlorotoluene

Concen: 19.222 ug/l

RT: 12.77 min Scan# 3478

Delta R.T. -0.00 min

Lab File: VN049784.D

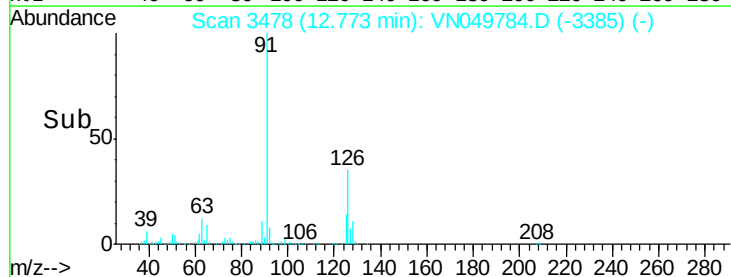
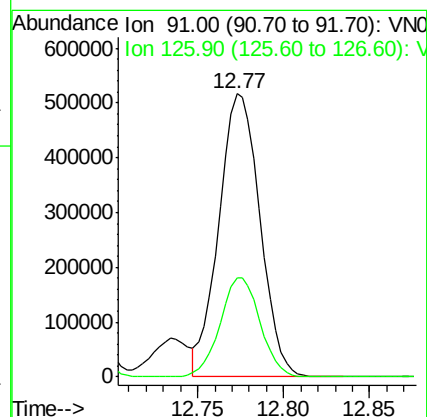
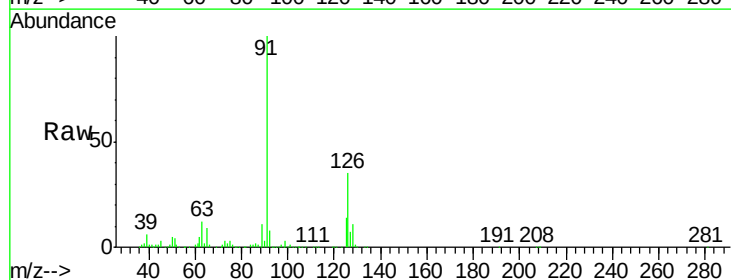
Acq: 12 Jul 2018 21:54

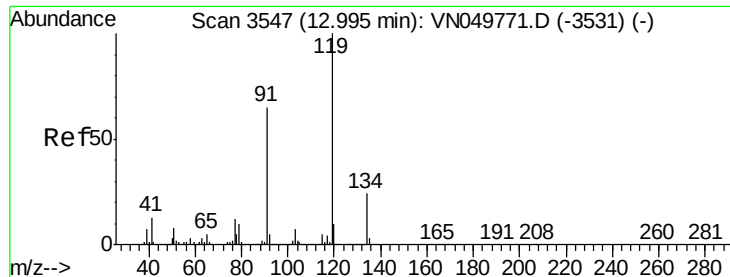
Tgt Ion: 91 Resp: 858018

Ion Ratio Lower Upper

91 100

126 34.3 17.2 51.6

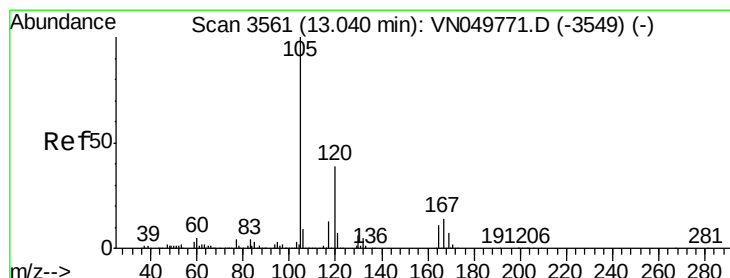
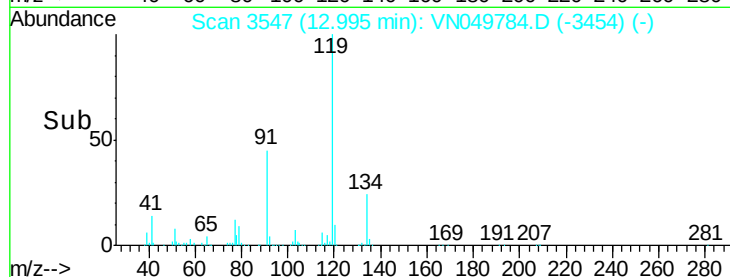
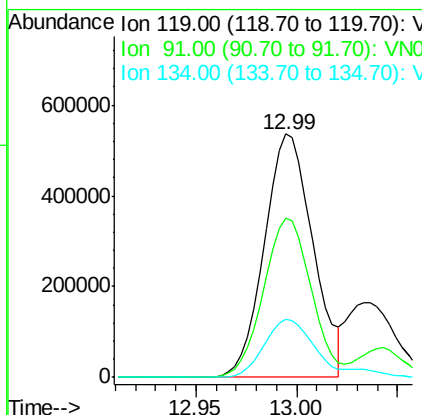
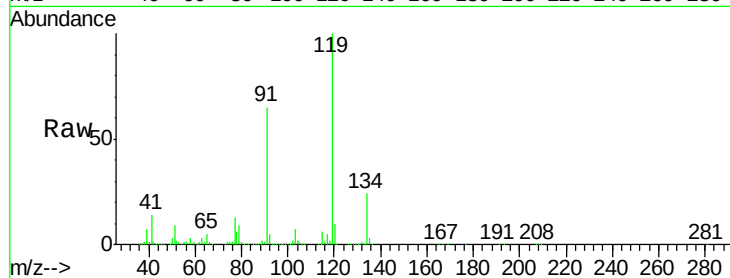




#83
 tert-Butylbenzene
 Concen: 19.340 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN049784.D
 Acq: 12 Jul 2018 21:54

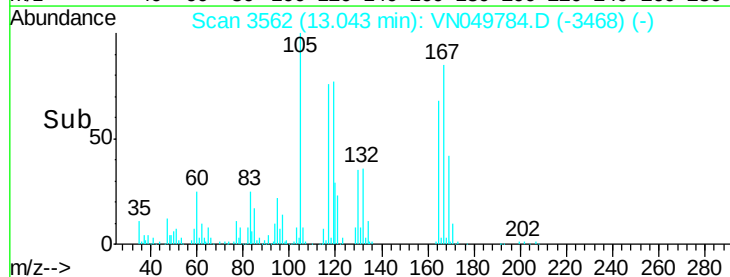
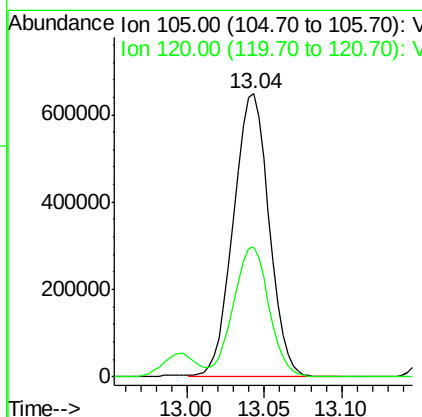
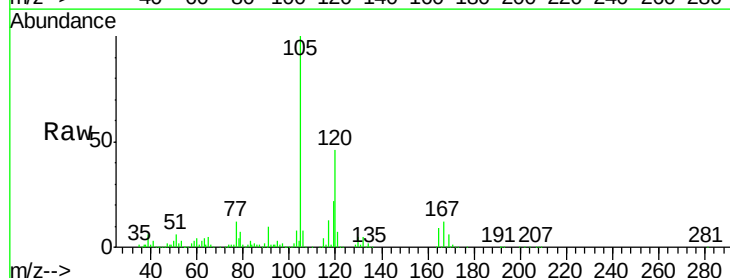
Instrument :
 MSVOA_N
 ClientSampleId :

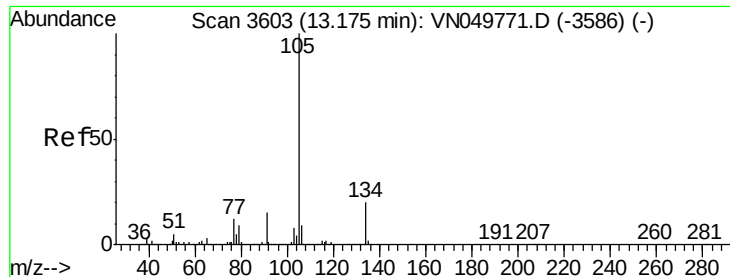
Tot Ion:119 Resp: 896896
 Ion Ratio Lower Upper
 119 100
 91 64.2 32.0 96.2
 134 26.6 12.8 38.4



#84
 1,2,4-Trimethylbenzene
 Concen: 19.922 ug/l
 RT: 13.04 min Scan# 3562
 Delta R.T. 0.00 min
 Lab File: VN049784.D
 Acq: 12 Jul 2018 21:54

Tgt Ion:105 Resp: 1035572
 Ion Ratio Lower Upper
 105 100
 120 45.8 22.7 68.1





#85

sec-Butylbenzene

Concen: 19.458 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. -0.00 min

Lab File: VN049784.D

Acq: 12 Jul 2018 21:54

Instrument :

MSVOA_N

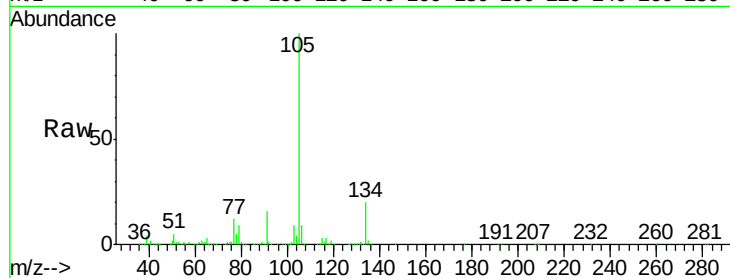
ClientSampled :

Tot Ion:105 Resp: 1182643

Ion Ratio Lower Upper

105 100

134 20.4 10.1 30.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

800000

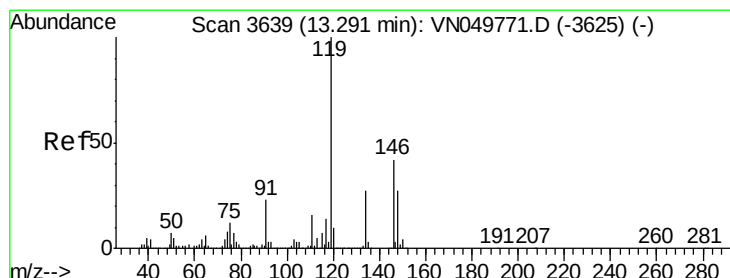
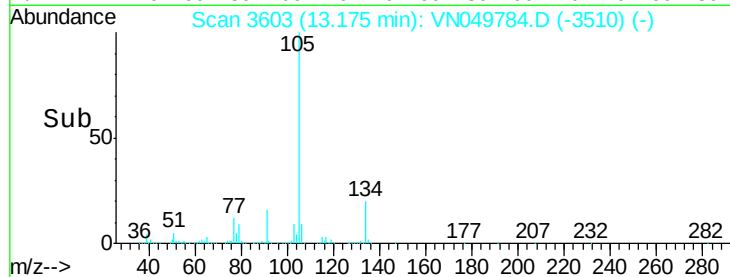
600000

400000

200000

0

Time-->



#86

p-Isopropyltoluene

Concen: 19.411 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. -0.00 min

Lab File: VN049784.D

Acq: 12 Jul 2018 21:54

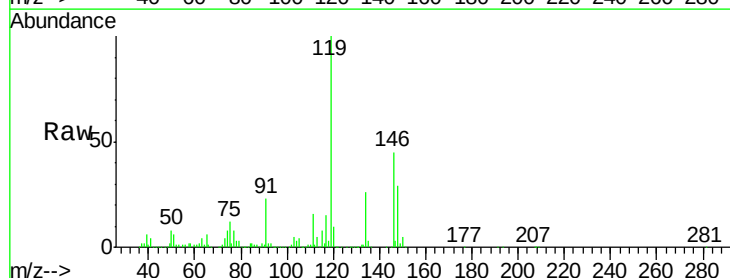
Tgt Ion:119 Resp: 998309

Ion Ratio Lower Upper

119 100

134 26.8 13.3 39.9

91 23.0 11.4 34.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

800000

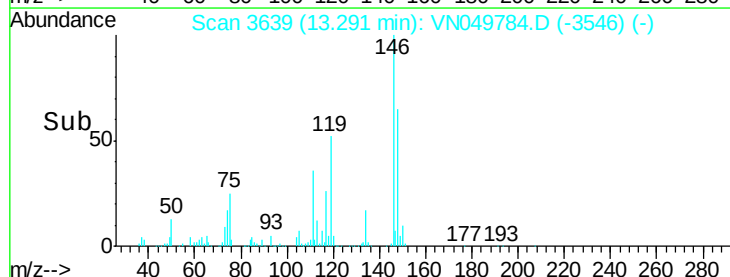
600000

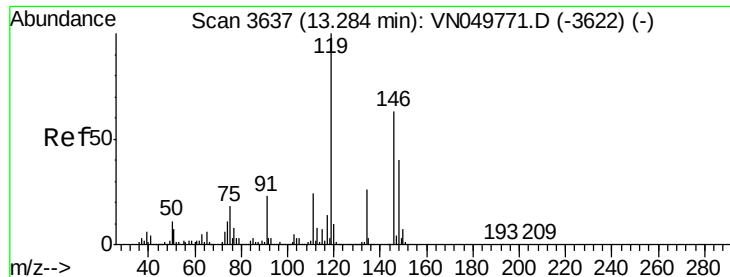
400000

200000

0

Time-->

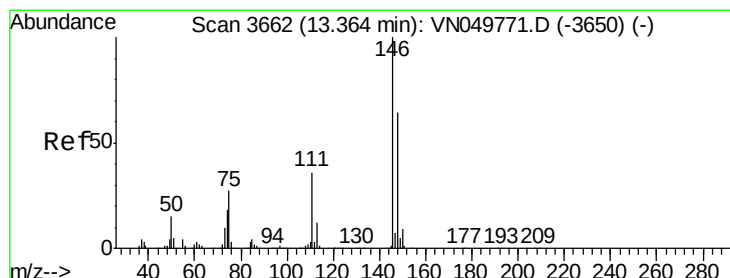
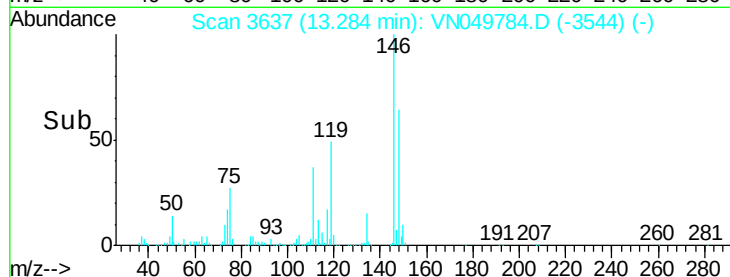
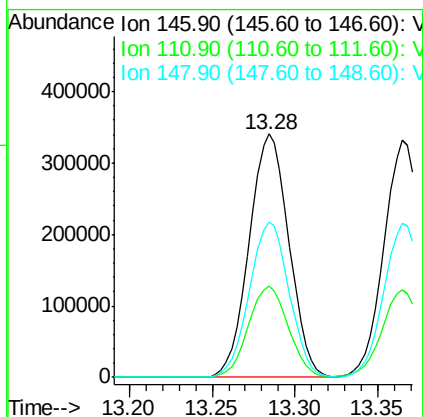
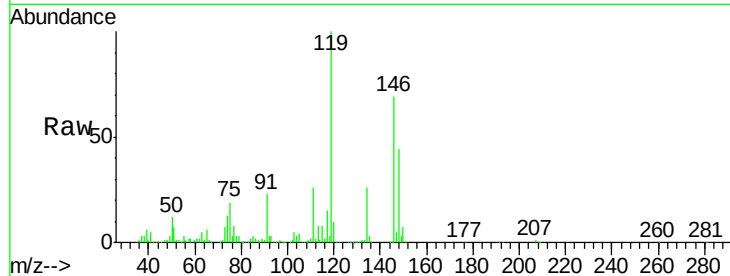




#87
 1,3-Dichlorobenzene
 Concen: 18.915 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. -0.00 min
 Lab File: VN049784.D
 Acq: 12 Jul 2018 21:54

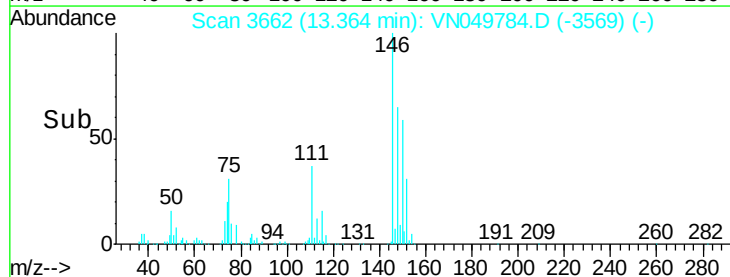
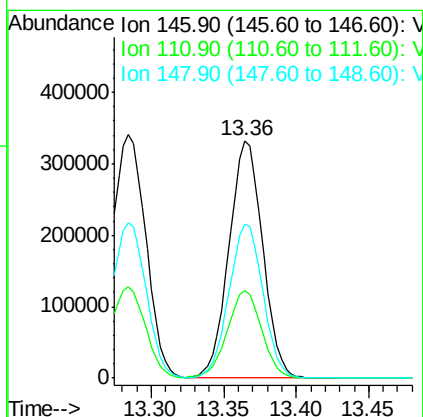
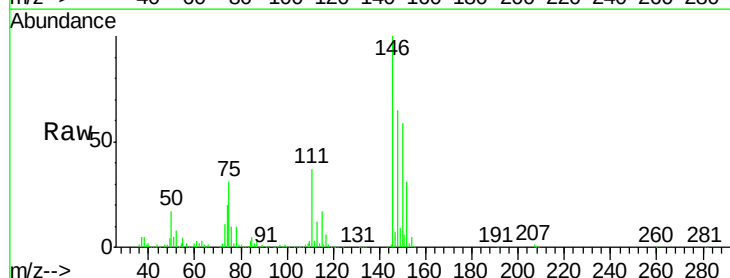
Instrument :
 MSVOA_N
 ClientSampled :

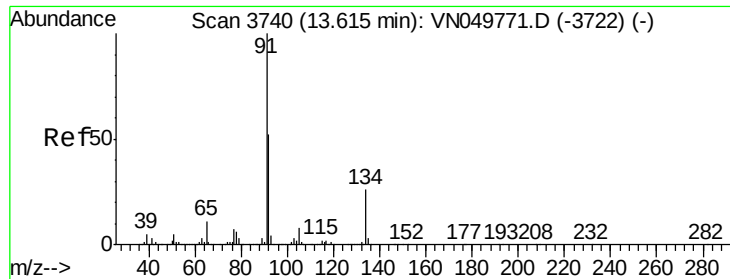
Tot Ion:146 Resp: 567436
 Ion Ratio Lower Upper
 146 100
 111 37.6 19.0 57.0
 148 63.8 32.5 97.5



#88
 1,4-Dichlorobenzene
 Concen: 18.372 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. -0.00 min
 Lab File: VN049784.D
 Acq: 12 Jul 2018 21:54

Tgt Ion:146 Resp: 535812
 Ion Ratio Lower Upper
 146 100
 111 37.9 18.9 56.5
 148 65.7 32.1 96.3

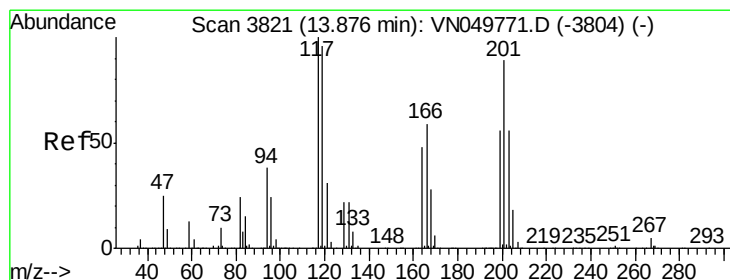
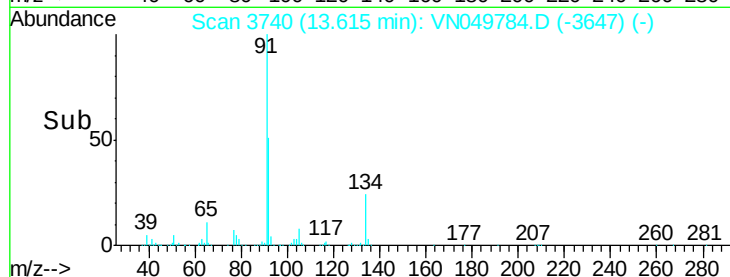
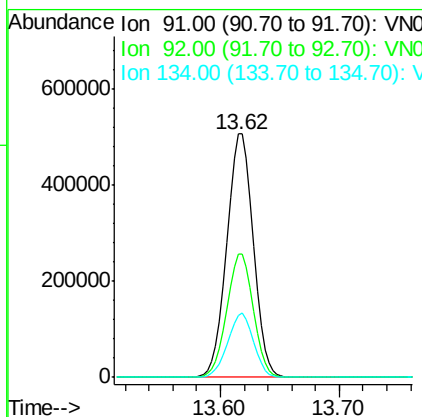
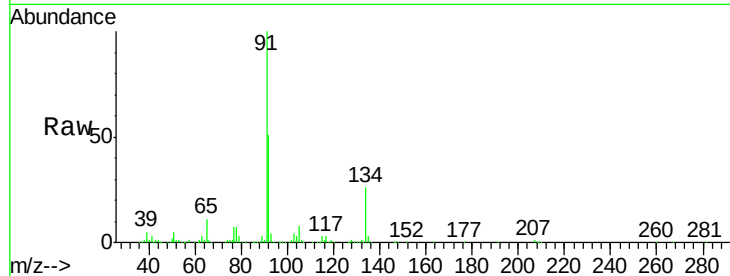




#89
n-Butylbenzene
Concen: 18.425 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. -0.00 min
Lab File: VN049784.D
Acq: 12 Jul 2018 21:54

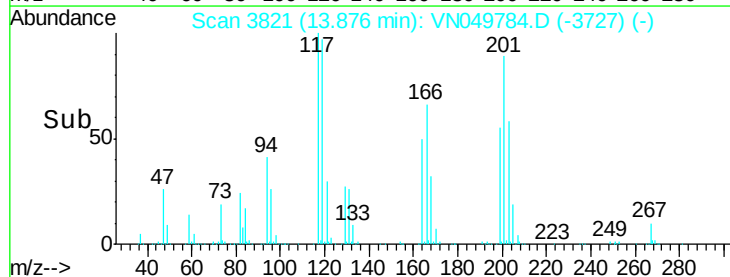
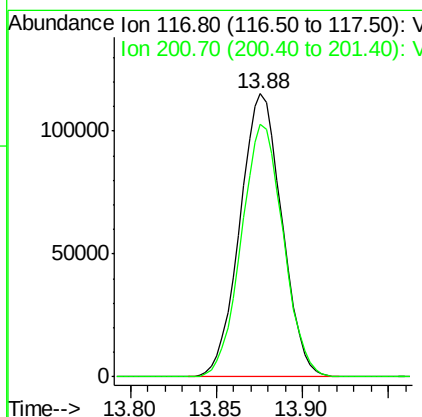
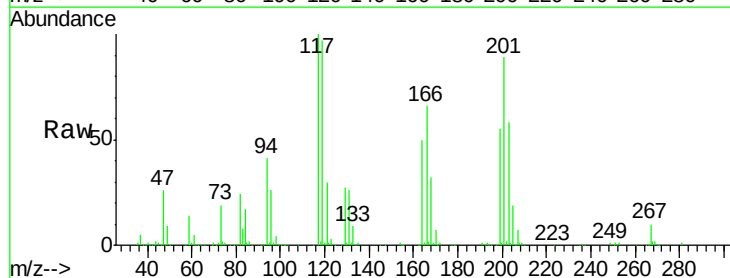
Instrument :
MSVOA_N
ClientSampled :

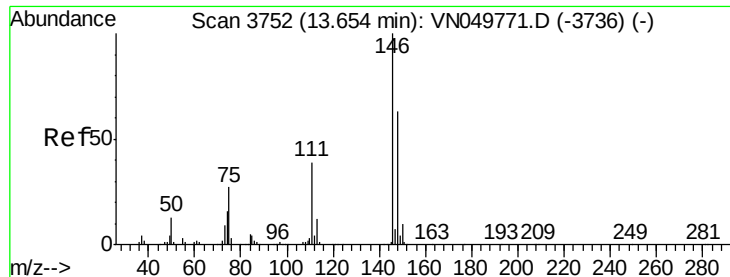
Tot Ion: 91 Resp: 782274
Ion Ratio Lower Upper
91 100
92 50.6 25.8 77.3
134 25.7 13.0 38.9



#90
Hexachloroethane
Concen: 19.014 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN049784.D
Acq: 12 Jul 2018 21:54

Tgt Ion: 117 Resp: 194405
Ion Ratio Lower Upper
117 100
201 89.5 45.3 135.8

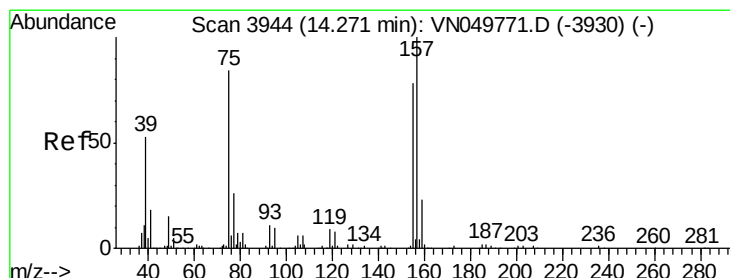
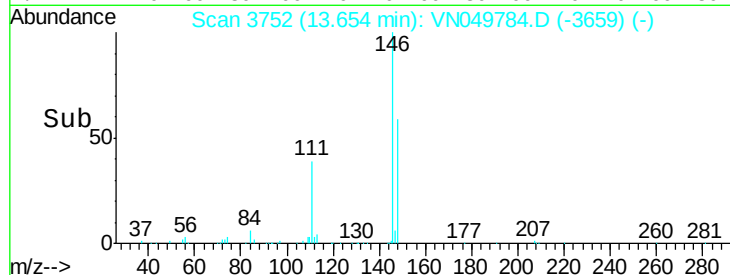
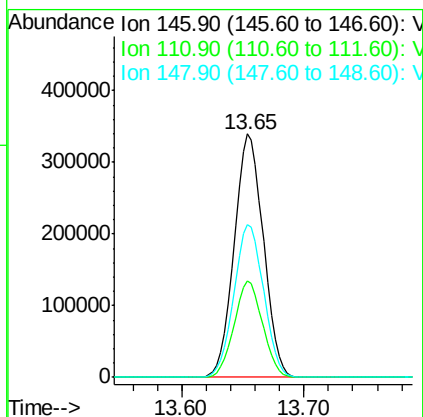
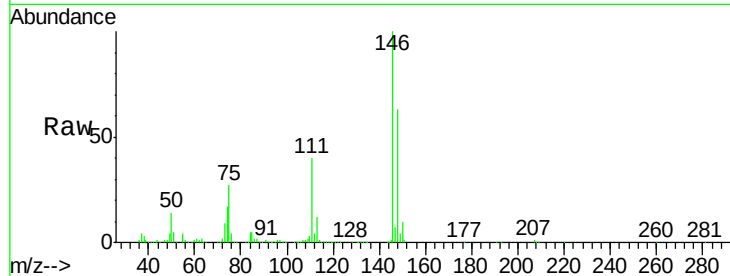




#91
 1,2-Dichlorobenzene
 Concen: 19.178 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. -0.00 min
 Lab File: VN049784.D
 Acq: 12 Jul 2018 21:54

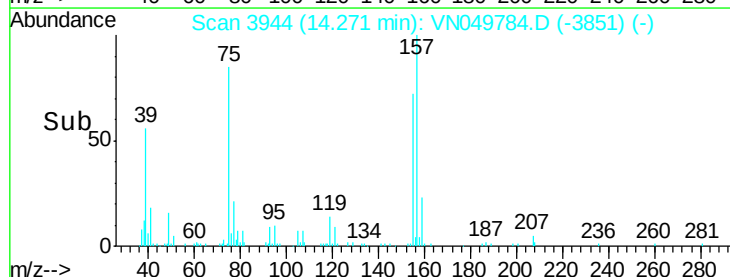
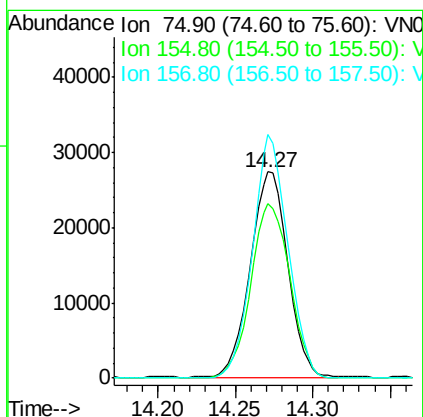
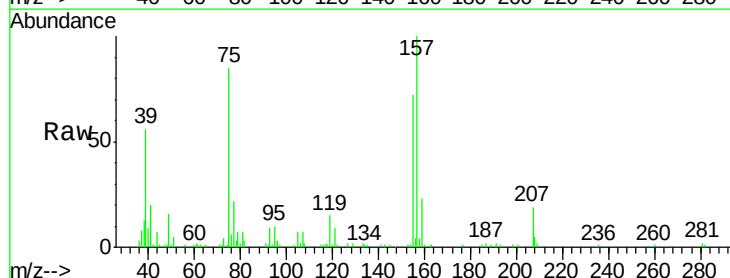
Instrument :
 MSVOA_N
 ClientSampleId :

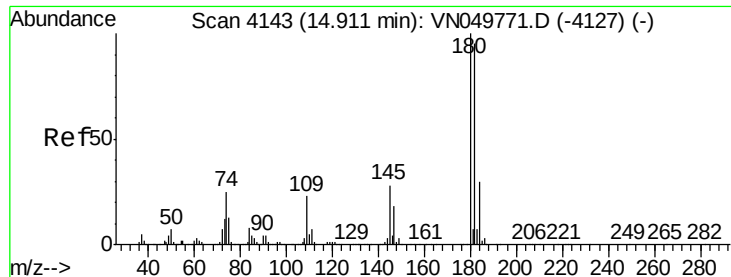
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.7	59.1
148	63.9	32.0	96.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.973 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN049784.D
 Acq: 12 Jul 2018 21:54

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.1	45.7	137.1
157	109.8	56.9	170.7

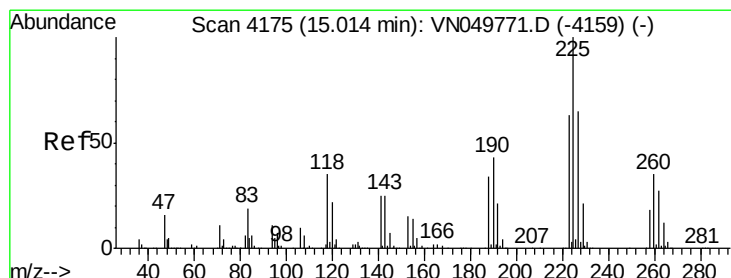
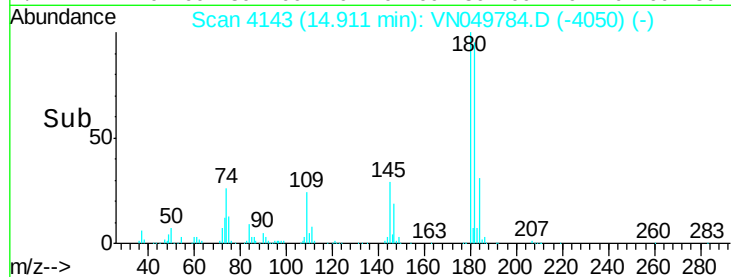
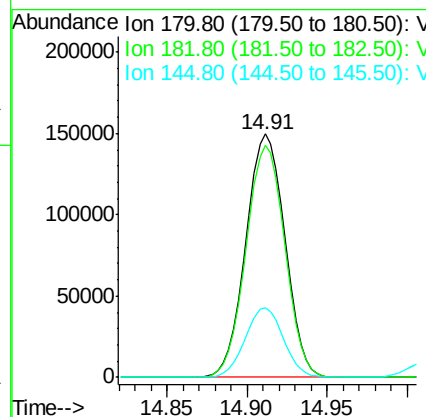
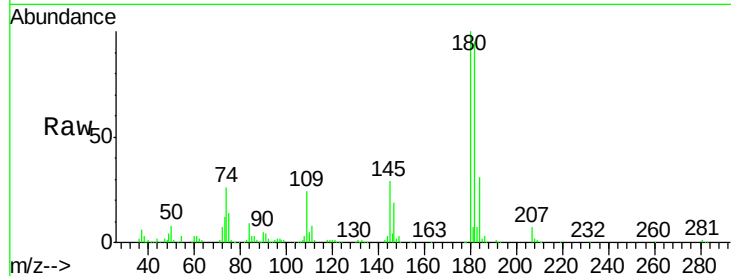




#93
 1,2,4-Trichlorobenzene
 Concen: 17.514 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN049784.D
 Acq: 12 Jul 2018 21:54

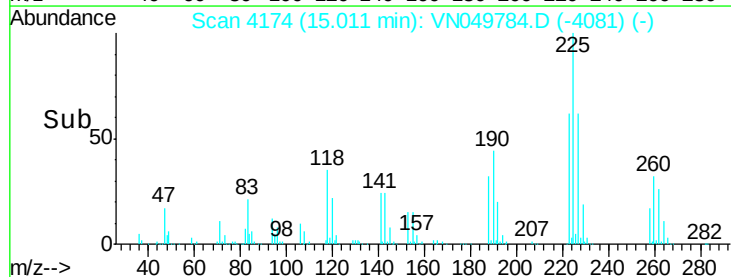
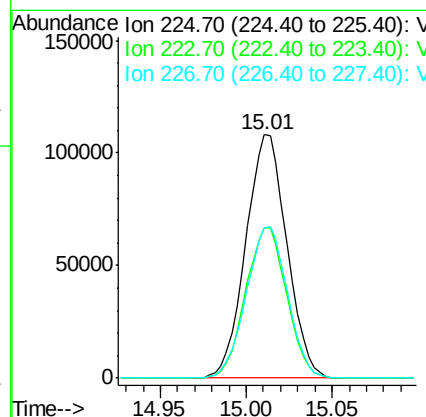
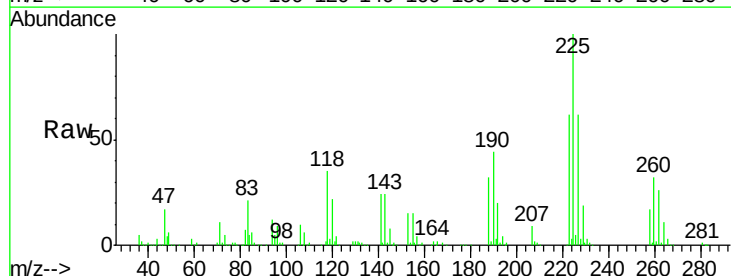
Instrument :
 MSVOA_N
 ClientSampleId :

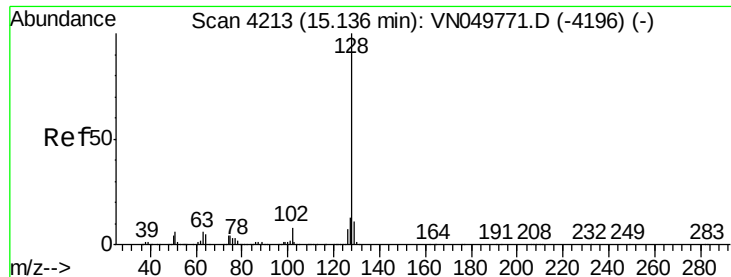
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.7	47.3	141.9
145	28.0	14.4	43.0



#94
 Hexachlorobutadiene
 Concen: 19.329 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. -0.00 min
 Lab File: VN049784.D
 Acq: 12 Jul 2018 21:54

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.0	30.9	92.7
227	62.5	31.8	95.4





#95

Naphthalene

Concen: 17.011 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN049784.D

Acq: 12 Jul 2018 21:54

Instrument :

MSVOA_N

ClientSampleId :

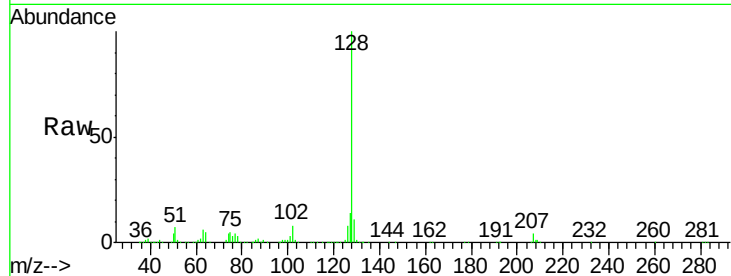
Tot Ion:128 Resp: 490102

Ion Ratio Lower Upper

128 100

127 13.1 10.4 15.6

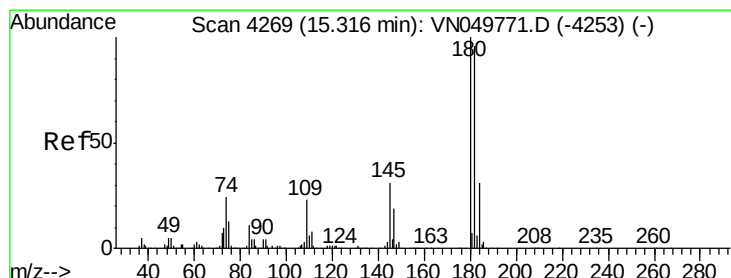
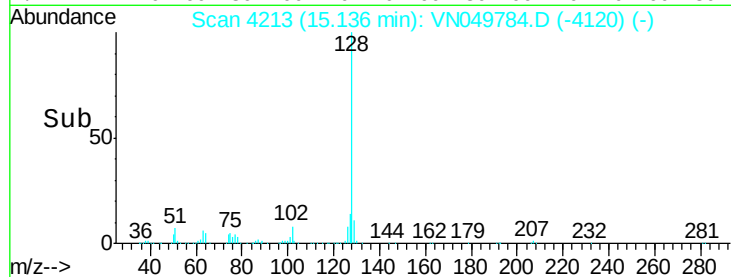
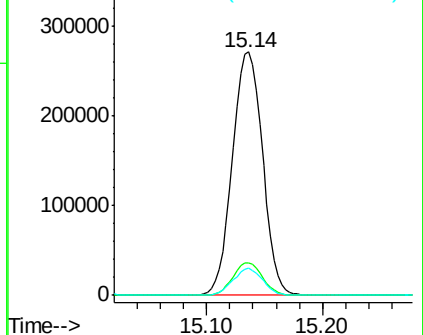
129 10.8 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 18.284 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. -0.00 min

Lab File: VN049784.D

Acq: 12 Jul 2018 21:54

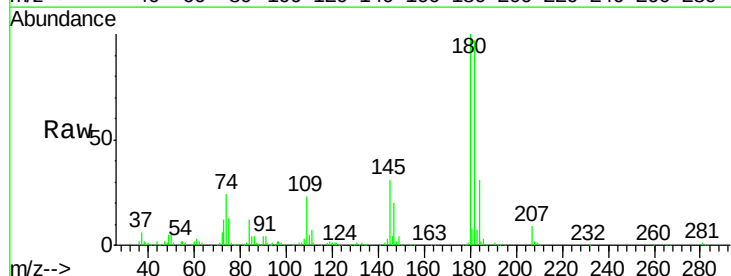
Tgt Ion:180 Resp: 259609

Ion Ratio Lower Upper

180 100

182 96.9 47.4 142.2

145 30.9 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

