

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071218\
 Data File : VN049783.D
 Acq On : 12 Jul 2018 21:28
 Operator : MD\SY
 Sample : J3762-08 L00 10ppb
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 13 03:45:23 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	1152506	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1729561	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1564186	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	748110	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	665590	49.65	ug/l	0.00
Spiked Amount			Recovery	=	99.30%	
35) Dibromofluoromethane	7.59	113	638054	48.94	ug/l	0.00
Spiked Amount			Recovery	=	97.88%	
50) Toluene-d8	10.09	98	2079683	46.60	ug/l	0.00
Spiked Amount			Recovery	=	93.20%	
62) 4-Bromofluorobenzene	12.40	95	713093	44.74	ug/l	0.00
Spiked Amount			Recovery	=	89.48%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	119154	10.914	ug/l	96
3) Chloromethane	2.06	50	149692	10.441	ug/l	99
4) Vinyl Chloride	2.18	62	167126	10.928	ug/l	98
5) Bromomethane	2.56	94	106229	10.764	ug/l	99
6) Chloroethane	2.70	64	108608	10.595	ug/l	100
7) Trichlorofluoromethane	3.01	101	234665	10.738	ug/l	96
8) Diethyl Ether	3.42	74	78924	10.079	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	145994	10.293	ug/l	99
10) Methyl Iodide	3.95	142	179686	9.967	ug/l	98
11) Tert butyl alcohol	4.81	59	43348	48.309	ug/l #	90
12) 1,1-Dichloroethene	3.74	96	125607	10.079	ug/l	99
13) Acrolein	3.61	56	59707	75.758	ug/l	98
14) Allyl chloride	4.33	41	195992	9.636	ug/l	96
15) Acrylonitrile	4.99	53	223893	49.824	ug/l	99
16) Acetone	3.82	43	162480	47.560	ug/l	96
17) Carbon Disulfide	4.05	76	354809	10.774	ug/l	99
18) Methyl Acetate	4.33	43	118767	10.017	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	341754	9.885	ug/l	99
20) Methylene Chloride	4.55	84	156774	10.677	ug/l	99
21) trans-1,2-Dichloroethene	5.05	96	138729	10.184	ug/l	99
22) Diisopropyl ether	5.96	45	422914	10.123	ug/l	98
23) Vinyl Acetate	5.90	43	1381304	49.336	ug/l	99
24) 1,1-Dichloroethane	5.85	63	272110	10.367	ug/l	98
25) 2-Butanone	6.84	43	247151	47.306	ug/l	100
26) 2,2-Dichloropropane	6.83	77	198703	9.121	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	157368	10.101	ug/l	98
29) Tetrahydrofuran	7.22	42	160338	48.872	ug/l	99
30) Chloroform	7.37	83	280155	10.359	ug/l	97
31) Cyclohexane	7.66	56	220444	10.351	ug/l #	94
32) 1,1,1-Trichloroethane	7.57	97	238609	10.389	ug/l	100
36) 1,1-Dichloropropene	7.80	75	194392	9.753	ug/l	99
37) Ethyl Acetate	6.93	43	118738	10.065	ug/l	100
38) Carbon Tetrachloride	7.78	117	207567	9.962	ug/l	96
39) Methylcyclohexane	9.08	83	195981	9.329	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071218\
 Data File : VN049783.D
 Acq On : 12 Jul 2018 21:28
 Operator : MD\SY
 Sample : J3762-08 L00 10ppb
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 13 03:45:23 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)
40) Benzene	8.04	78	598853	10.044	ug/l	100
41) Methacrylonitrile	7.18	41	61891	9.274	ug/l #	92
42) 1,2-Dichloroethane	8.13	62	199927	10.251	ug/l	100
43) Isopropyl Acetate	8.17	43	207009	9.762	ug/l	97
44) Trichloroethene	8.84	130	157604	9.817	ug/l	97
45) 1,2-Dichloropropane	9.12	63	162582	10.146	ug/l	99
46) Dibromomethane	9.21	93	94865	9.968	ug/l	99
47) Bromodichloromethane	9.40	83	207435	9.898	ug/l	100
48) Methyl methacrylate	9.20	41	100207	9.451	ug/l	96
49) 1,4-Dioxane	9.20	88	26008	187.215	ug/l	94
51) 4-Methyl-2-Pentanone	9.99	43	559532	48.598	ug/l	99
52) Toluene	10.16	92	370956	10.396	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	188926	9.372	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	224212	9.765	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	143808	10.110	ug/l	98
56) Ethyl methacrylate	10.43	69	150422	9.339	ug/l	98
57) 1,3-Dichloropropane	10.71	76	226913	9.981	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	347661	45.005	ug/l	100
59) 2-Hexanone	10.75	43	348566	45.540	ug/l	97
60) Dibromochloromethane	10.90	129	150496	9.627	ug/l	99
61) 1,2-Dibromoethane	11.01	107	128502	9.895	ug/l	99
64) Tetrachloroethene	10.63	164	143814	10.126	ug/l	99
65) Chlorobenzene	11.44	112	405013	9.939	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	155036	10.112	ug/l	99
67) Ethyl Benzene	11.51	91	638580	9.570	ug/l	99
68) m/p-Xylenes	11.62	106	490122	19.569	ug/l	98
69) o-Xylene	11.95	106	233802	9.663	ug/l	100
70) Stvrene	11.97	104	370091	9.630	ug/l	99
71) Bromoform	12.13	173	98834	9.541	ug/l #	99
73) Isopropylbenzene	12.25	105	632529	10.174	ug/l	100
74) N-amyl acetate	12.07	43	159404	9.856	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	167954	10.157	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	191402	14.402	ug/l #	100
77) Bromobenzene	12.53	156	169246	10.261	ug/l	99
78) n-propylbenzene	12.59	91	710264	10.132	ug/l	100
79) 2-Chlorotoluene	12.68	91	445251	10.379	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	506562	10.253	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	36369	8.837	ug/l	95
82) 4-Chlorotoluene	12.77	91	435759	10.241	ug/l	100
83) tert-Butylbenzene	12.99	119	449870	10.176	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	509347	10.279	ug/l	99
85) sec-Butylbenzene	13.17	105	590544	10.193	ug/l	99
86) p-Isopropyltoluene	13.29	119	499912	10.197	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	283858	9.926	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	278407	10.014	ug/l	99
89) n-Butylbenzene	13.62	91	376786	9.310	ug/l	99
90) Hexachloroethane	13.88	117	104541	10.355	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	282403	10.119	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	23644	10.372	ug/l	94
93) 1,2,4-Trichlorobenzene	14.91	180	110288	9.668	ug/l	100

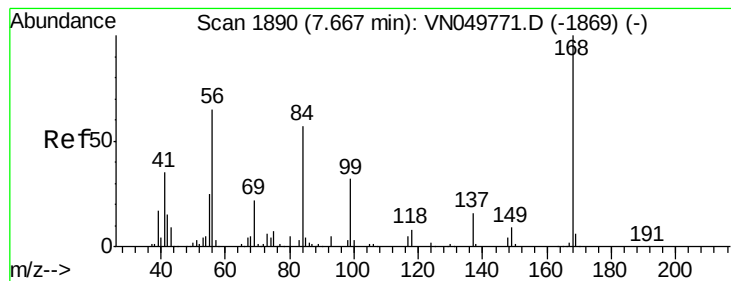
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071218\
Data File : VN049783.D
Acq On : 12 Jul 2018 21:28
Operator : MD\SY
Sample : J3762-08 L00 10ppb
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Jul 13 03:45:23 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)
94) Hexachlorobutadiene	15.01	225	91486	9.850	ug/l	98
95) Naphthalene	15.14	128	198526	9.543	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	114936	8.492	ug/l	99

(#) = 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: VN049783.D

Acq: 12 Jul 2018 21:28

Instrument :

MSVOA_N

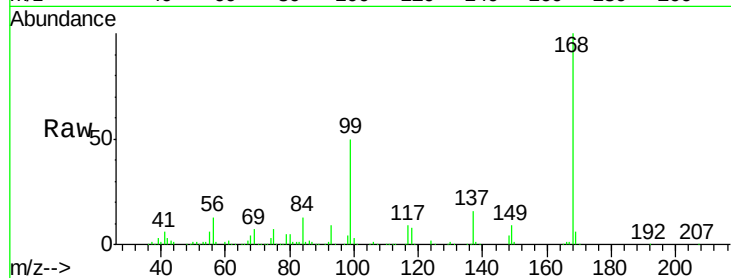
ClientSampleId :

Tot Ion:168 Resp: 1152506

Ion Ratio Lower Upper

168 100

99 50.0 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

500000

400000

300000

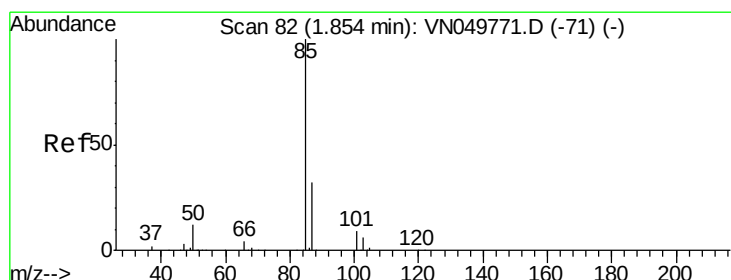
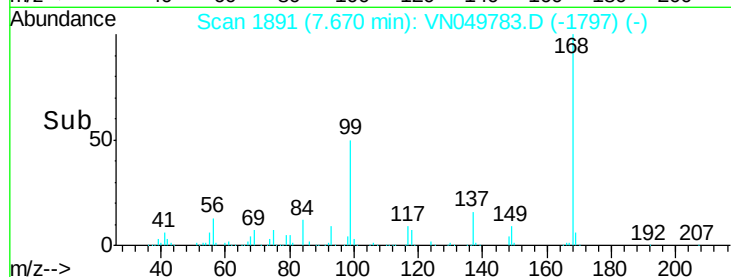
200000

100000

0

7.60 7.65 7.70 7.75

Time-->



#2

Dichlorodifluoromethane

Concen: 10.914 ug/l

RT: 1.85 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN049783.D

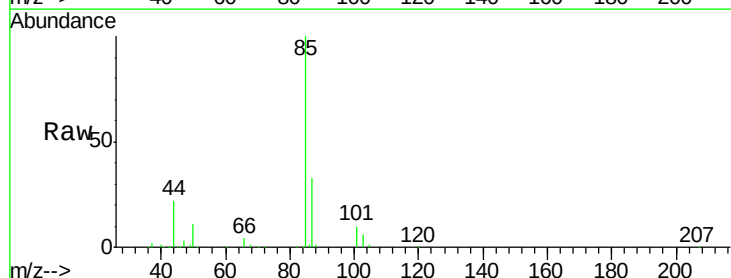
Acq: 12 Jul 2018 21:28

Tgt Ion: 85 Resp: 119154

Ion Ratio Lower Upper

85 100

87 32.8 15.4 46.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

100000

80000

60000

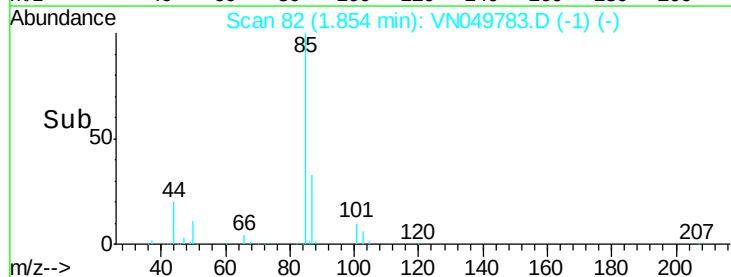
40000

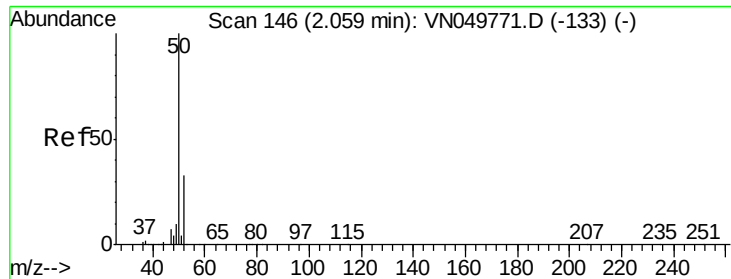
20000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 10.441 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN049783.D

Acq: 12 Jul 2018 21:28

Instrument :

MSVOA_N

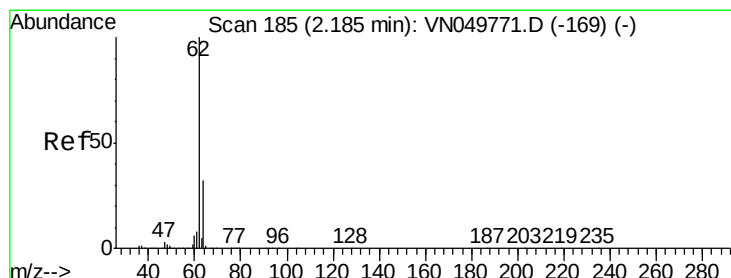
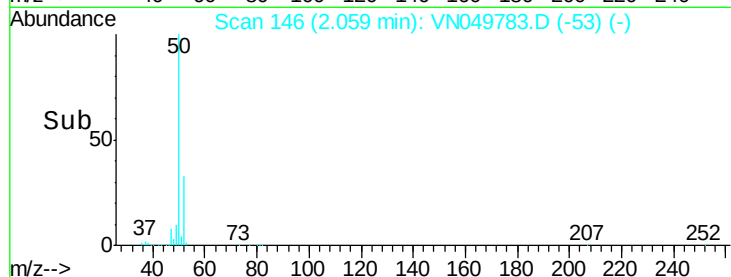
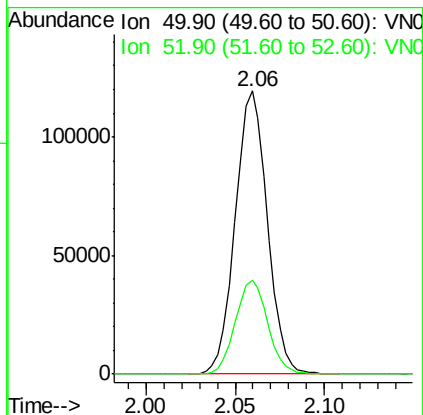
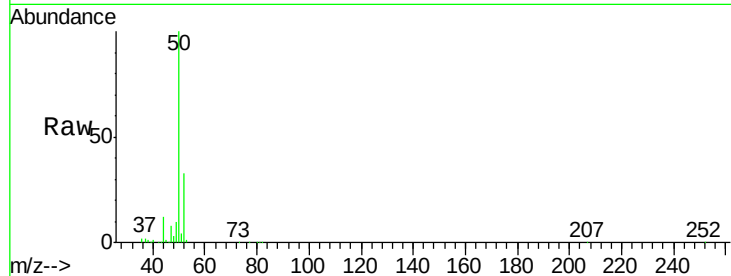
ClientSampled :

Tot Ion: 50 Resp: 149692

Ion Ratio Lower Upper

50 100

52 33.3 26.1 39.1



#4

Vinyl Chloride

Concen: 10.928 ug/l

RT: 2.18 min Scan# 185

Delta R.T. 0.00 min

Lab File: VN049783.D

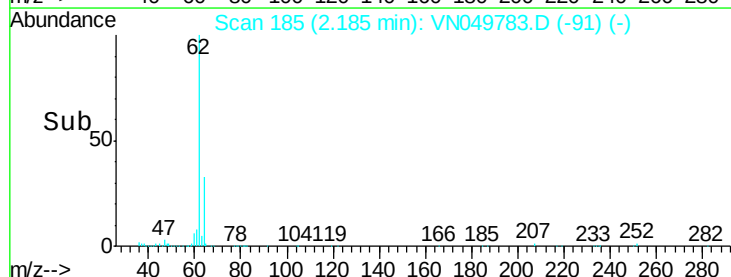
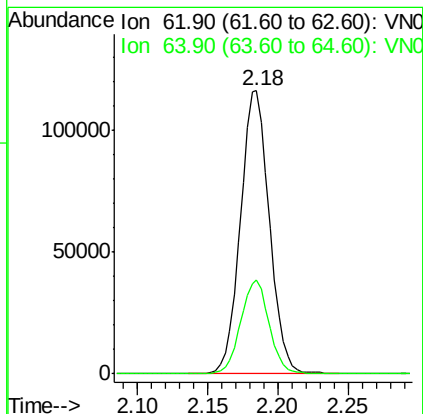
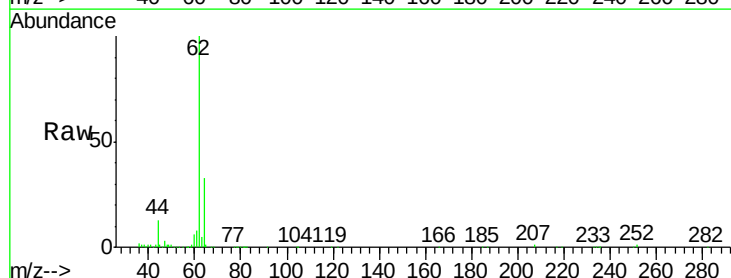
Acq: 12 Jul 2018 21:28

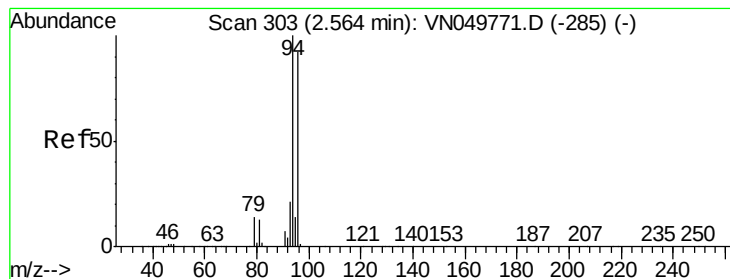
Tgt Ion: 62 Resp: 167126

Ion Ratio Lower Upper

62 100

64 33.0 25.4 38.0





#5

Bromomethane

Concen: 10.764 ug/l

RT: 2.56 min Scan# 301

Delta R.T. -0.01 min

Lab File: VN049783.D

Acq: 12 Jul 2018 21:28

Instrument :

MSVOA_N

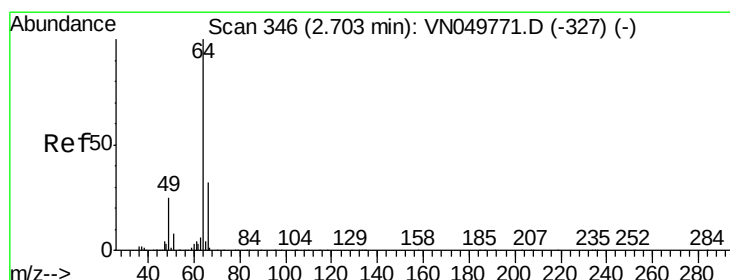
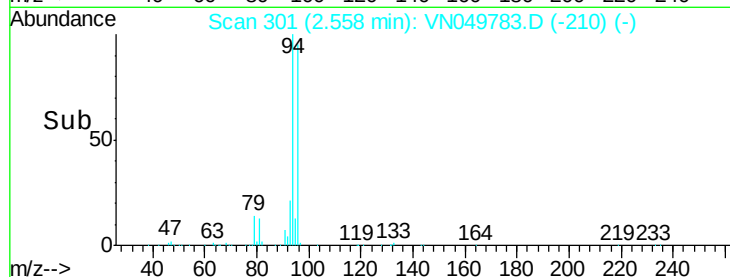
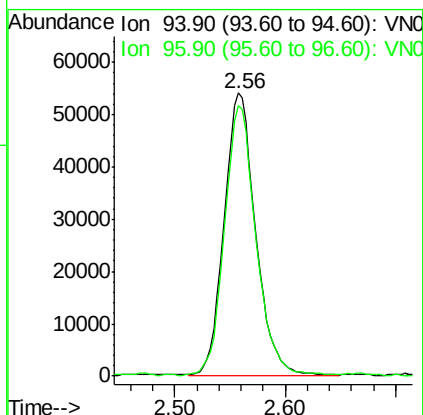
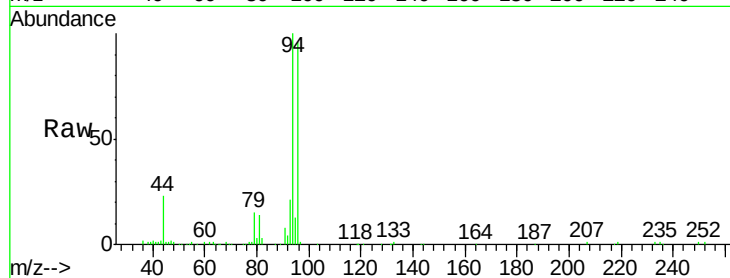
ClientSampled :

Tot Ion: 94 Resp: 106229

Ion Ratio Lower Upper

94 100

96 95.4 75.7 113.5



#6

Chloroethane

Concen: 10.595 ug/l

RT: 2.70 min Scan# 345

Delta R.T. -0.00 min

Lab File: VN049783.D

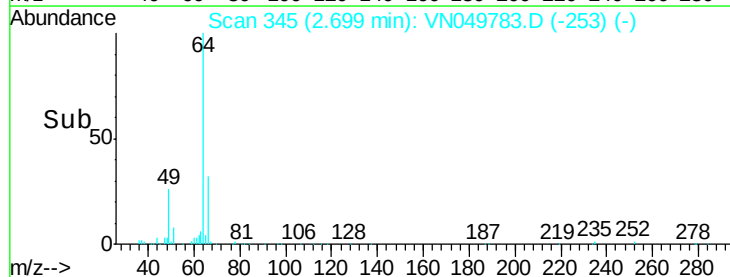
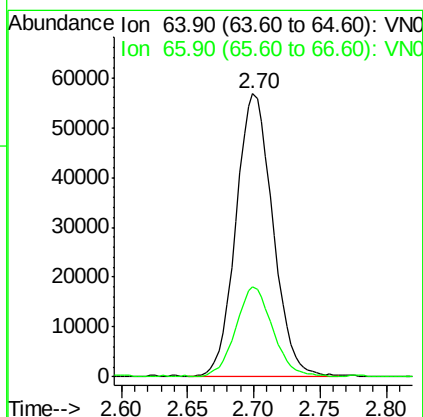
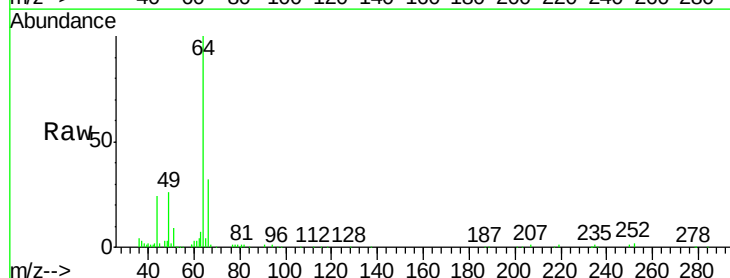
Acq: 12 Jul 2018 21:28

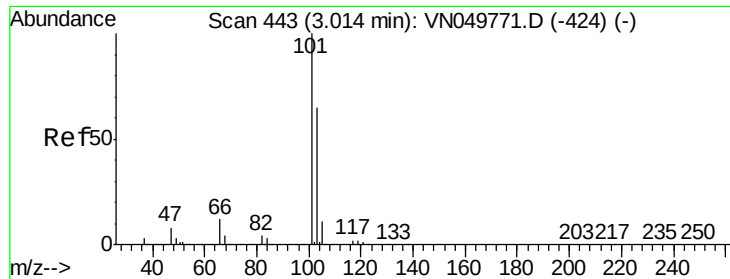
Tgt Ion: 64 Resp: 108608

Ion Ratio Lower Upper

64 100

66 31.9 25.6 38.4



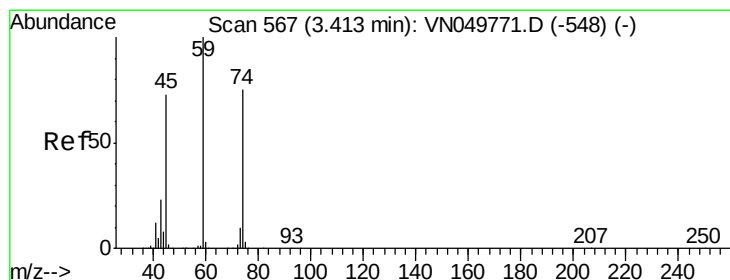
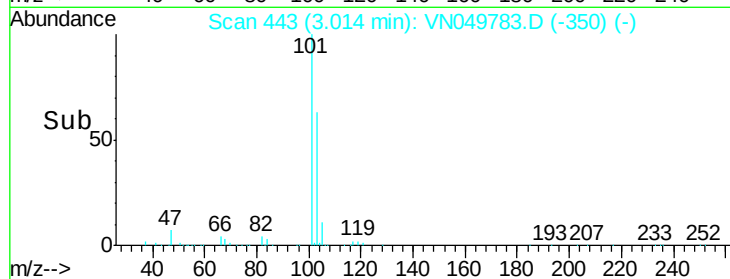
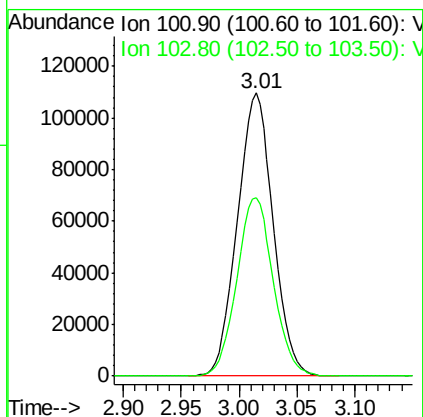
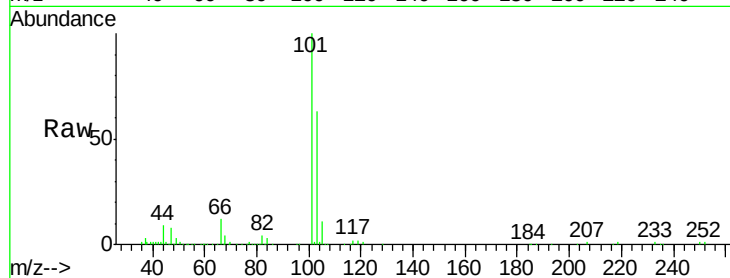


#7

Trichlorofluoromethane
Concen: 10.738 ug/l
RT: 3.01 min Scan# 443
Delta R.T. -0.00 min
Lab File: VN049783.D
Acq: 12 Jul 2018 21:28

Instrument :
MSVOA_N
ClientSampled :

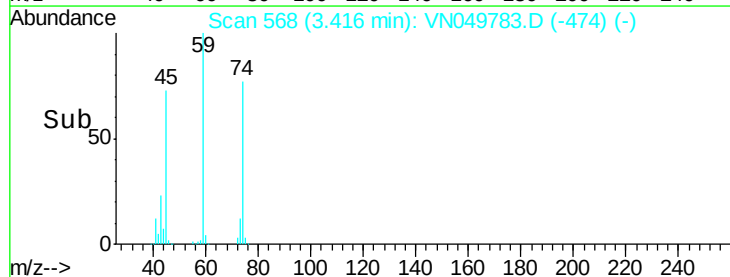
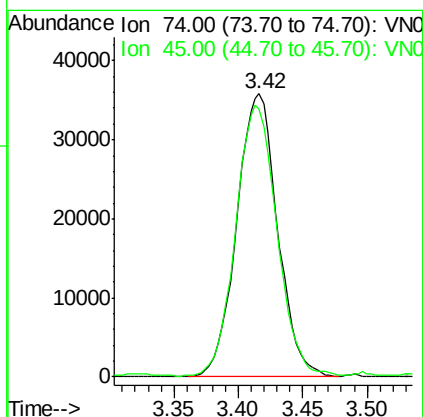
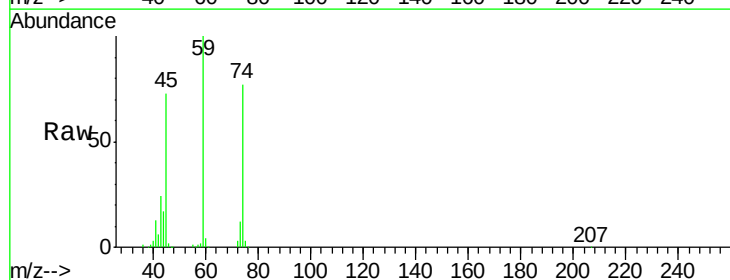
Tot Ion:101 Resp: 234665
Ion Ratio Lower Upper
101 100
103 62.9 52.8 79.2

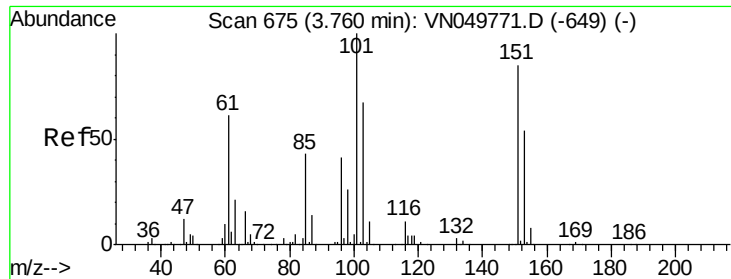


#8

Diethyl Ether
Concen: 10.079 ug/l
RT: 3.42 min Scan# 568
Delta R.T. 0.00 min
Lab File: VN049783.D
Acq: 12 Jul 2018 21:28

Tgt Ion: 74 Resp: 78924
Ion Ratio Lower Upper
74 100
45 97.8 48.4 145.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 10.293 ug/l

RT: 3.76 min Scan# 675

Delta R.T. -0.00 min

Lab File: VN049783.D

Acq: 12 Jul 2018 21:28

Instrument :

MSVOA_N

ClientSampled :

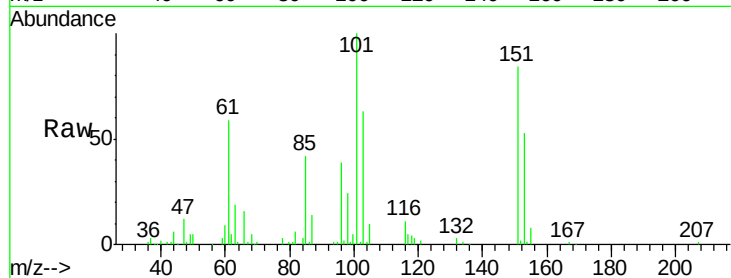
Tot Ion:101 Resp: 145994

Ion Ratio Lower Upper

101 100

85 42.3 34.4 51.6

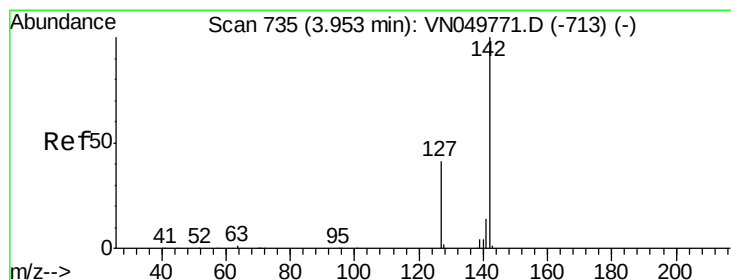
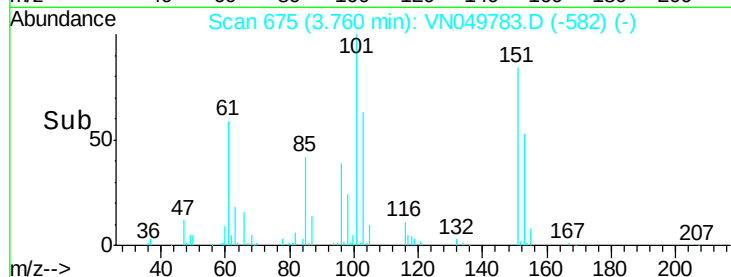
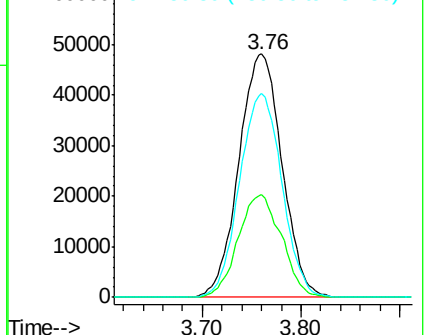
151 82.3 66.2 99.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 9.967 ug/l

RT: 3.95 min Scan# 735

Delta R.T. -0.00 min

Lab File: VN049783.D

Acq: 12 Jul 2018 21:28

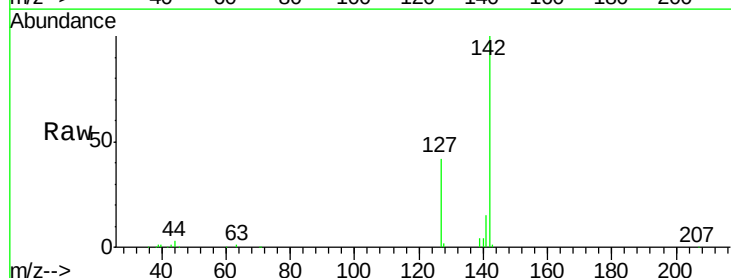
Tgt Ion:142 Resp: 179686

Ion Ratio Lower Upper

142 100

127 42.1 32.5 48.7

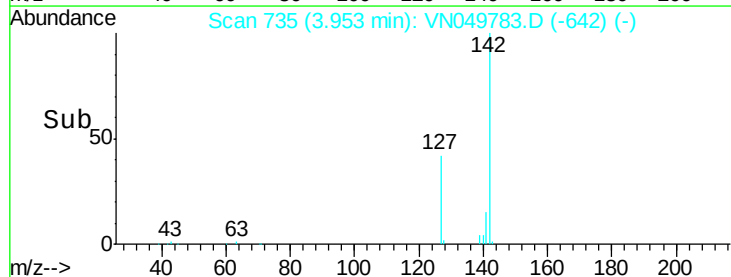
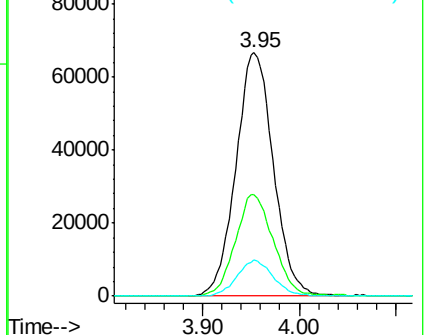
141 14.2 11.1 16.7

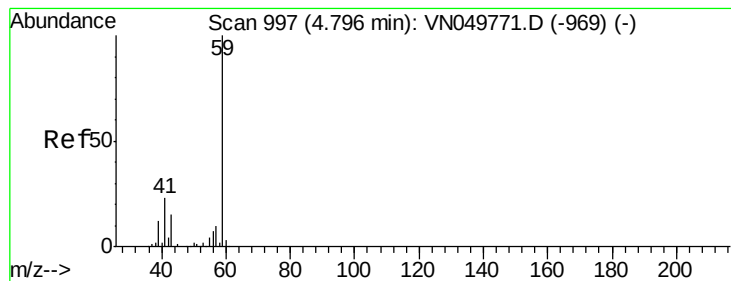


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 48.309 ug/l

RT: 4.81 min Scan# 1000

Delta R.T. 0.01 min

Lab File: VN049783.D

Acq: 12 Jul 2018 21:28

Instrument :

MSVOA_N

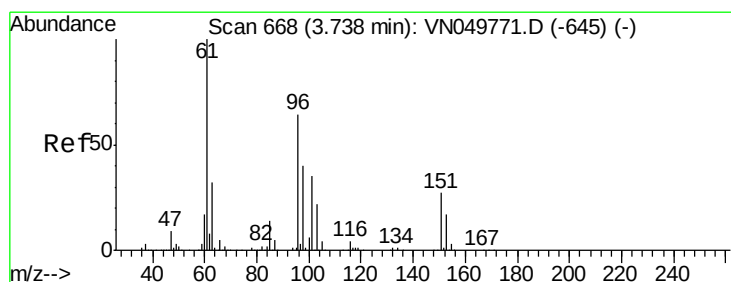
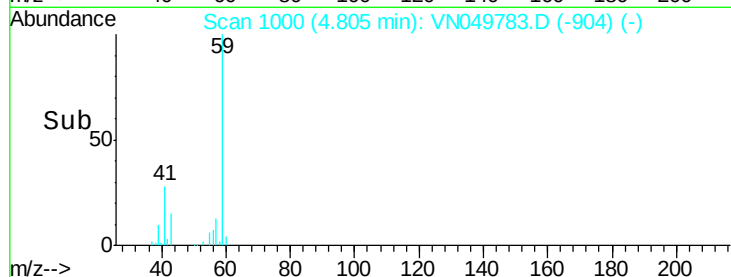
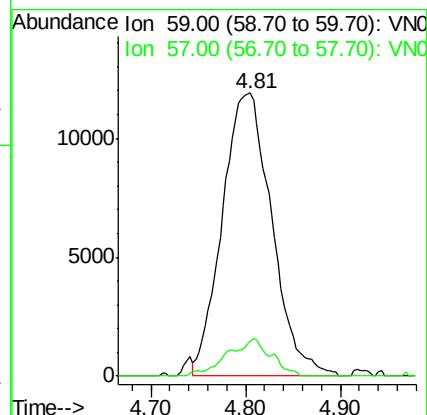
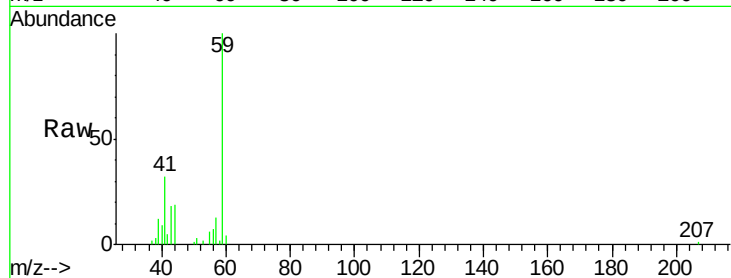
ClientSampled :

Tot Ion: 59 Resp: 43348

Ion Ratio Lower Upper

59 100

57 6.9 8.5 12.7#



#12

1,1-Dichloroethene

Concen: 10.079 ug/l

RT: 3.74 min Scan# 668

Delta R.T. -0.00 min

Lab File: VN049783.D

Acq: 12 Jul 2018 21:28

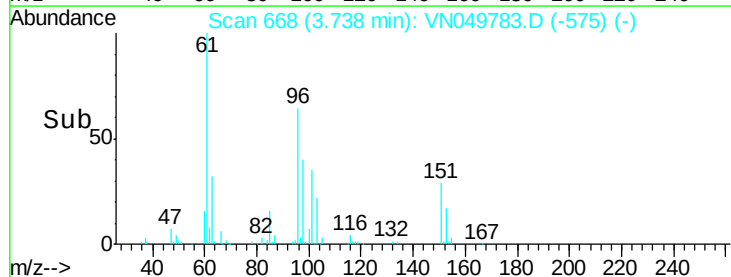
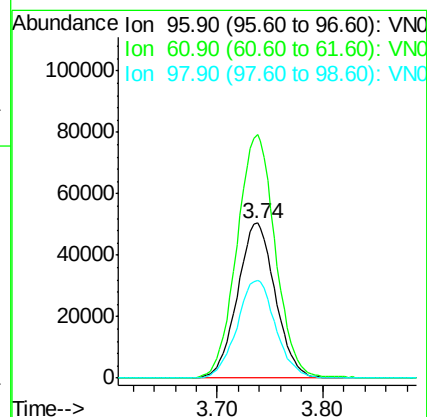
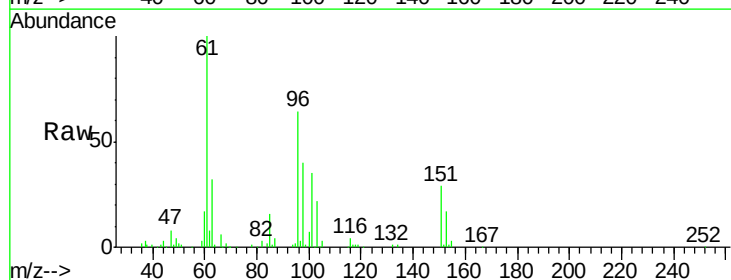
Tgt Ion: 96 Resp: 125607

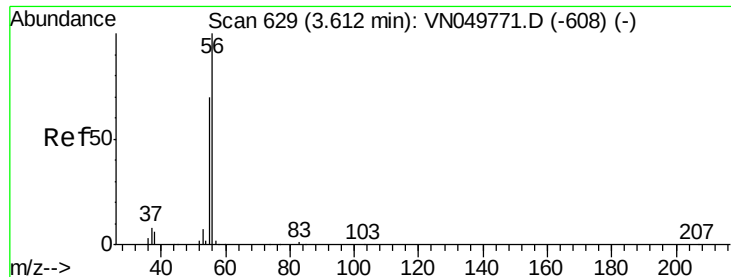
Ion Ratio Lower Upper

96 100

61 156.8 126.5 189.7

98 63.1 51.0 76.6





#13

Acrolein

Concen: 75.758 ug/l

RT: 3.61 min Scan# 628

Delta R.T. -0.00 min

Lab File: VN049783.D

Acq: 12 Jul 2018 21:28

Instrument :

MSVOA_N

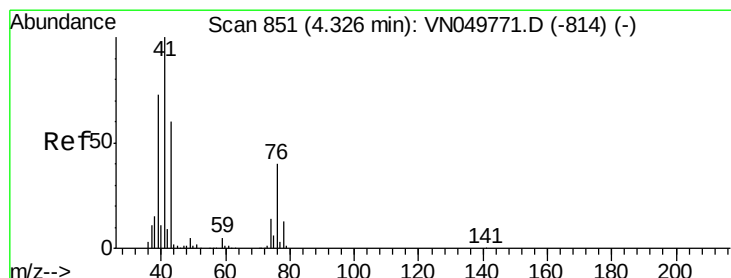
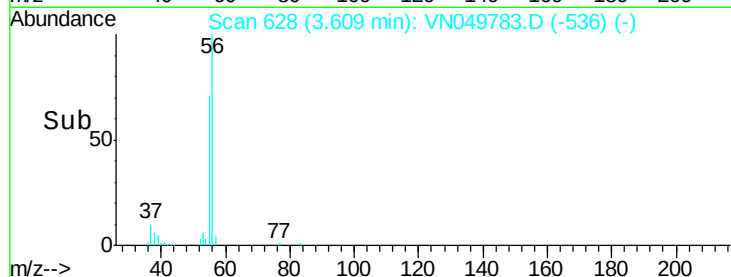
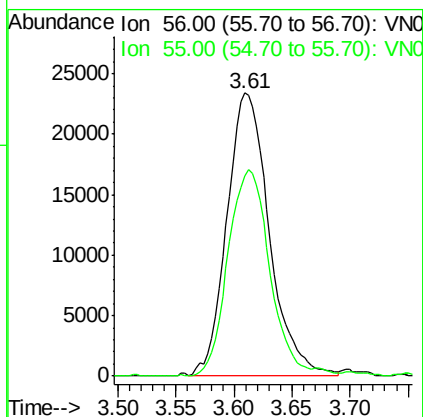
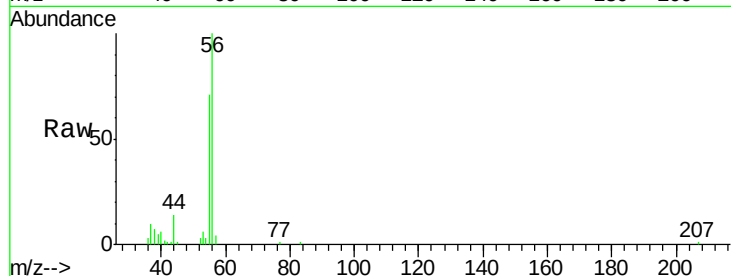
ClientSampleId :

Tot Ion: 56 Resp: 59707

Ion Ratio Lower Upper

56 100

55 71.3 55.8 83.8



#14

Allyl chloride

Concen: 9.636 ug/l

RT: 4.33 min Scan# 852

Delta R.T. 0.00 min

Lab File: VN049783.D

Acq: 12 Jul 2018 21:28

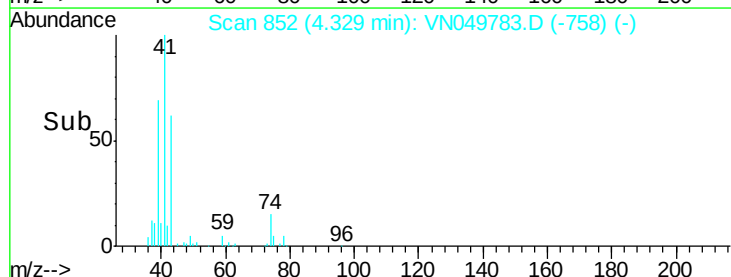
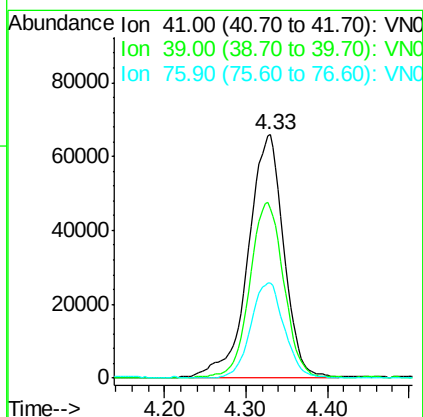
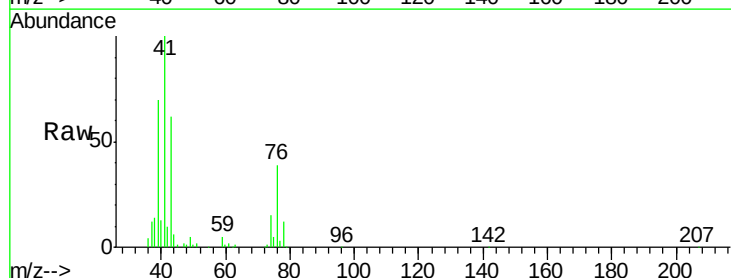
Tgt Ion: 41 Resp: 195992

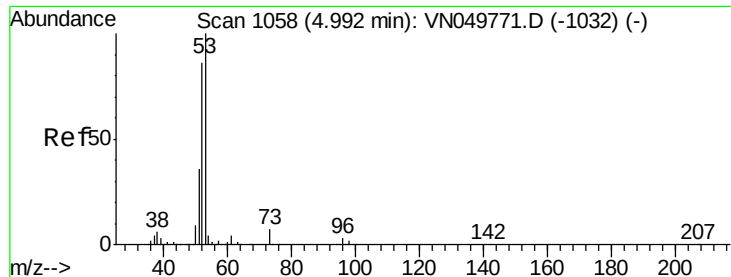
Ion Ratio Lower Upper

41 100

39 70.2 53.2 79.8

76 37.4 29.0 43.6





#15

Acrylonitrile

Concen: 49.824 ug/l

RT: 4.99 min Scan# 1059

Delta R.T. 0.00 min

Lab File: VN049783.D

Acq: 12 Jul 2018 21:28

Instrument :

MSVOA_N

ClientSampleId :

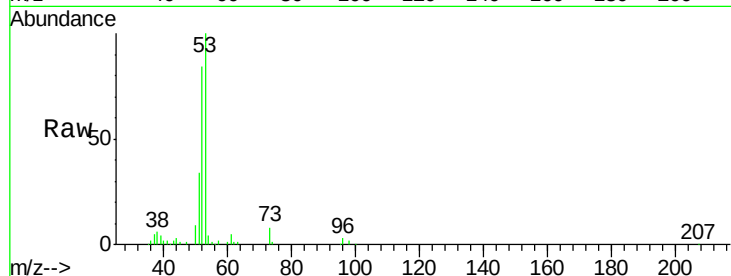
Tot Ion: 53 Resp: 223893

Ion Ratio Lower Upper

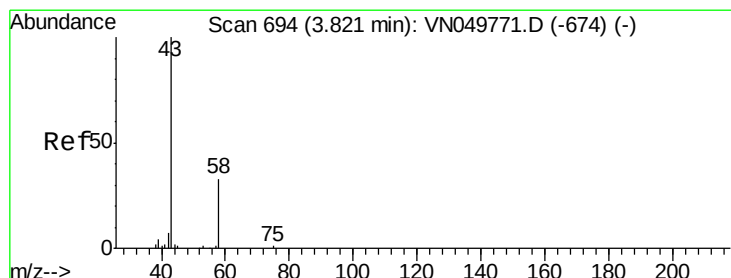
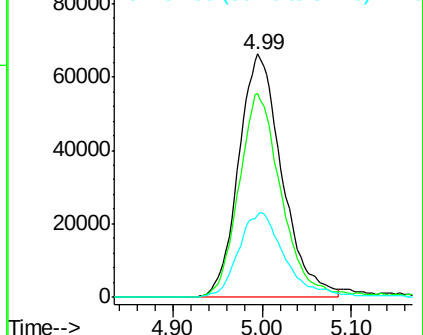
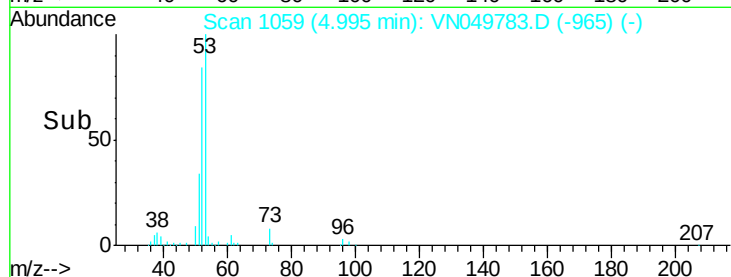
53 100

52 81.6 64.8 97.2

51 37.4 28.9 43.3



Abundance Ion 53.00 (52.70 to 53.70): VN049783.D (-965) (-)



#16

Acetone

Concen: 47.560 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN049783.D

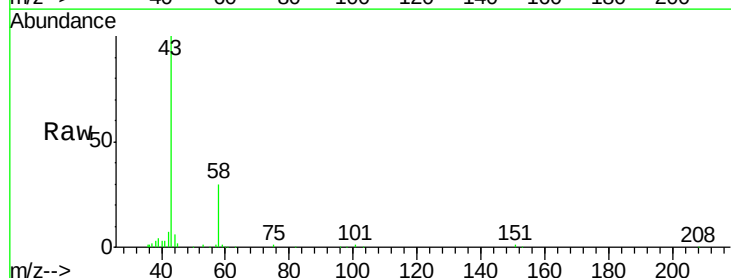
Acq: 12 Jul 2018 21:28

Tgt Ion: 43 Resp: 162480

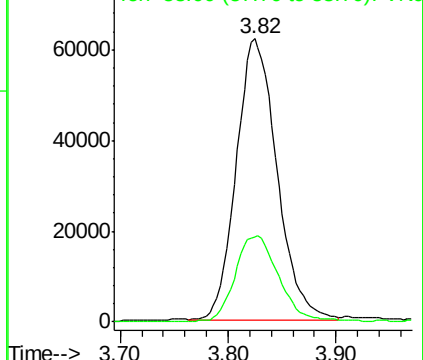
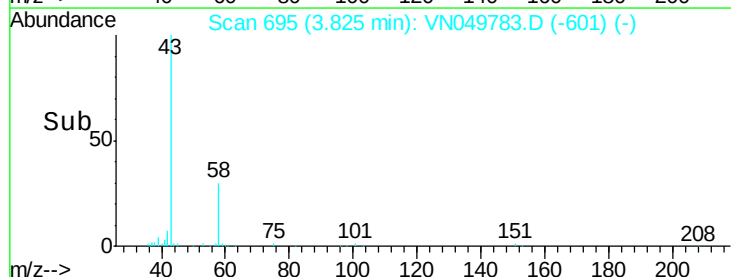
Ion Ratio Lower Upper

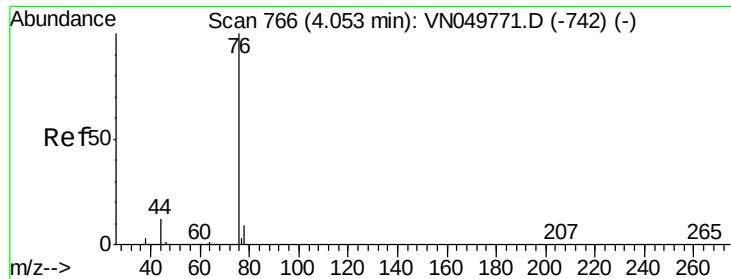
43 100

58 30.4 25.9 38.9



Abundance Ion 43.00 (42.70 to 43.70): VN049783.D (-601) (-)





#17

Carbon Disulfide

Concen: 10.774 ug/l

RT: 4.05 min Scan# 765

Delta R.T. -0.00 min

Lab File: VN049783.D

Acq: 12 Jul 2018 21:28

Instrument :

MSVOA_N

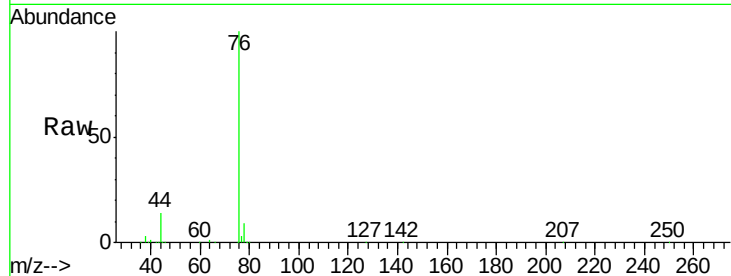
ClientSampled :

Tot Ion: 76 Resp: 354809

Ion Ratio Lower Upper

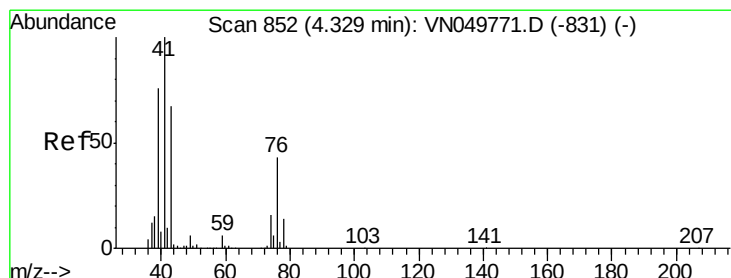
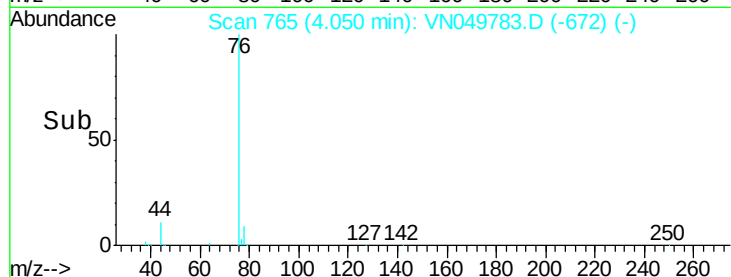
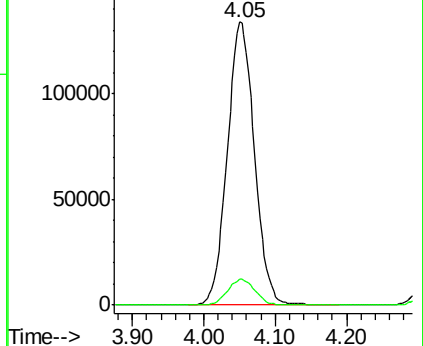
76 100

78 9.1 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 10.017 ug/l

RT: 4.33 min Scan# 853

Delta R.T. 0.00 min

Lab File: VN049783.D

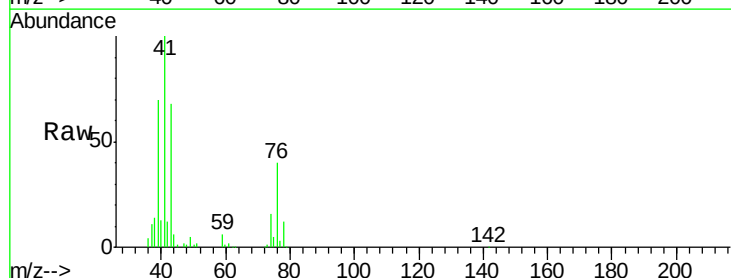
Acq: 12 Jul 2018 21:28

Tgt Ion: 43 Resp: 118767

Ion Ratio Lower Upper

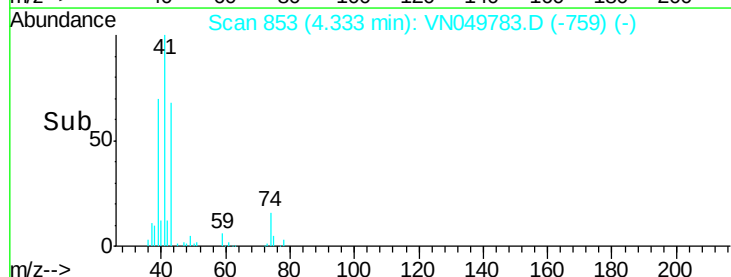
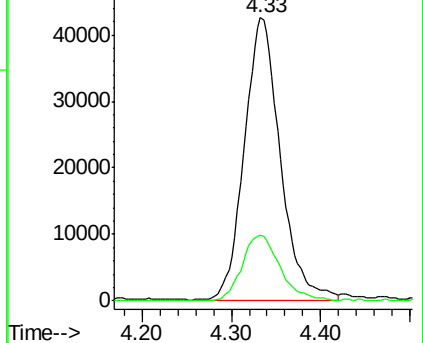
43 100

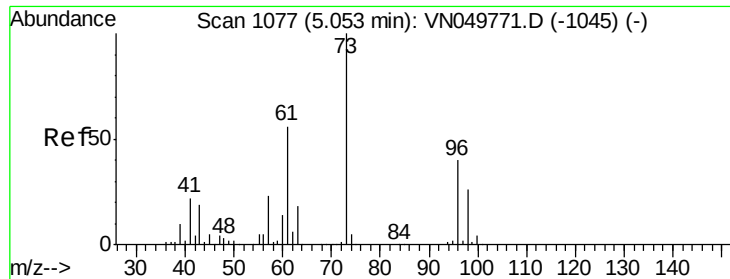
74 24.7 19.8 29.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

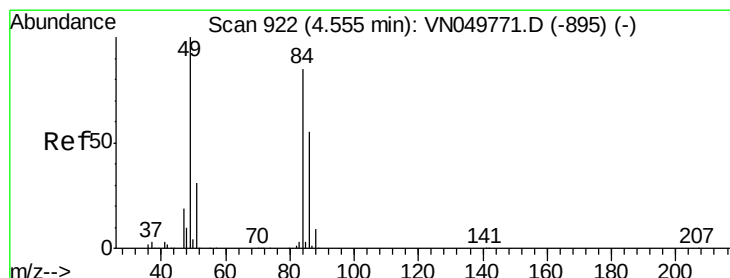
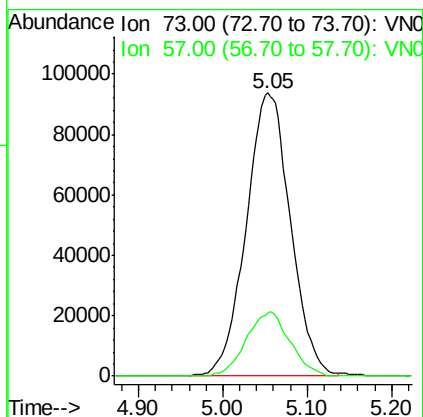
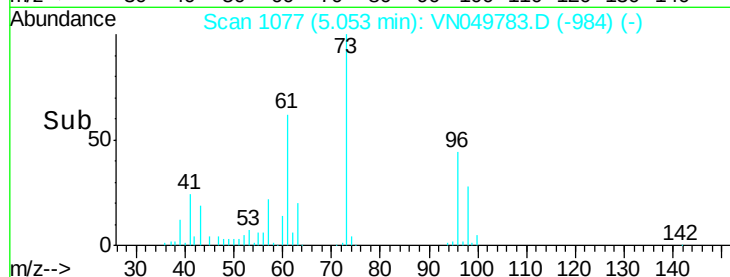
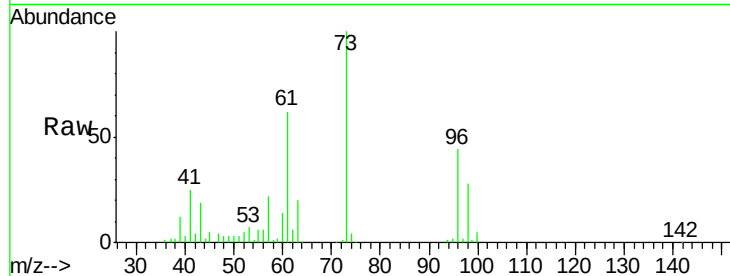




#19
Methvl tert-butvl Ether
Concen: 9.885 ug/l
RT: 5.05 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VN049783.D
Acq: 12 Jul 2018 21:28

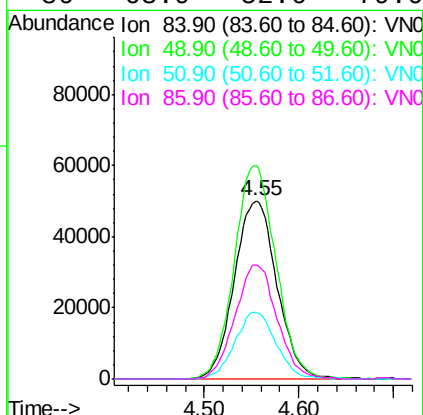
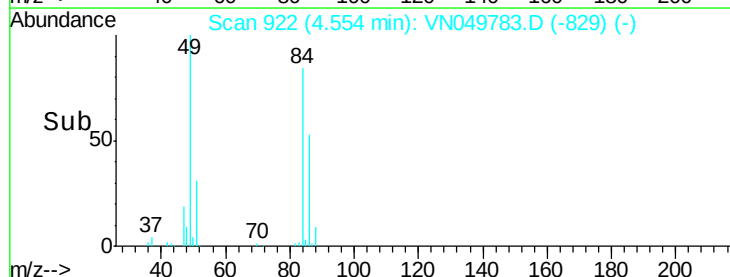
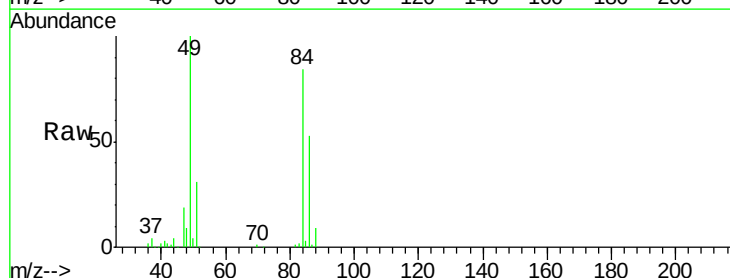
Instrument :
MSVOA_N
ClientSampleId :

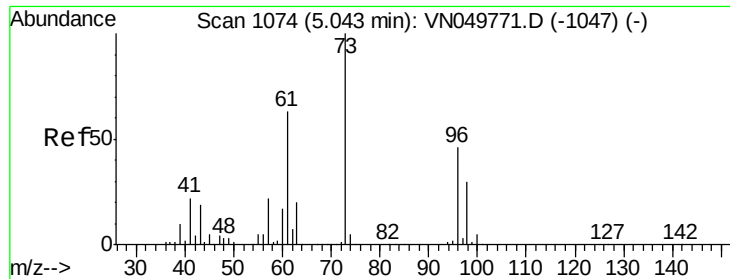
Tot Ion: 73 Resp: 341754
Ion Ratio Lower Upper
73 100
57 22.3 18.1 27.1



#20
Methylene Chloride
Concen: 10.677 ug/l
RT: 4.55 min Scan# 922
Delta R.T. 0.00 min
Lab File: VN049783.D
Acq: 12 Jul 2018 21:28

Tgt Ion: 84 Resp: 156774
Ion Ratio Lower Upper
84 100
49 119.2 95.4 143.2
51 37.2 28.4 42.6
86 63.9 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 10.184 ug/l

RT: 5.05 min Scan# 1075

Delta R.T. 0.00 min

Lab File: VN049783.D

Acq: 12 Jul 2018 21:28

Instrument :
MSVOA_N
ClientSampled :

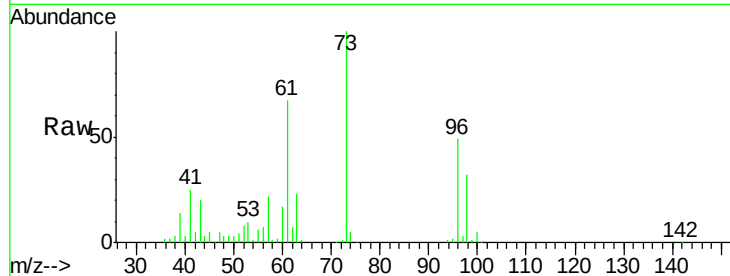
Tot Ion: 96 Resp: 138729

Ion Ratio Lower Upper

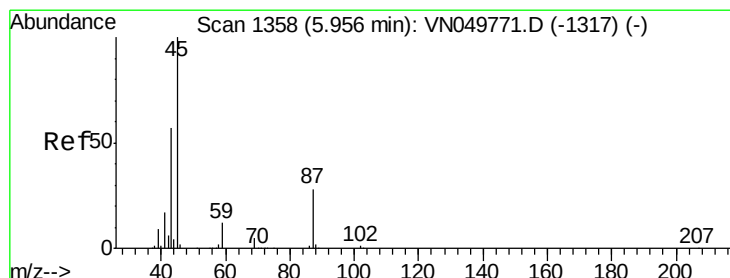
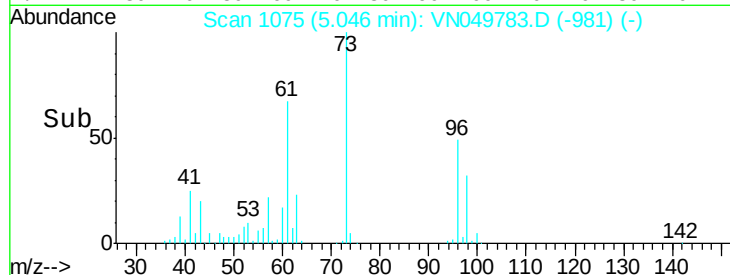
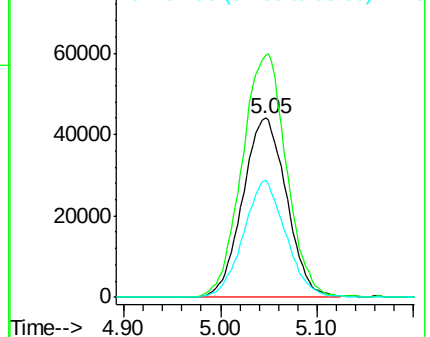
96 100

61 135.3 109.0 163.6

98 65.1 51.1 76.7



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



#22

Diisopropyl ether

Concen: 10.123 ug/l

RT: 5.96 min Scan# 1359

Delta R.T. 0.00 min

Lab File: VN049783.D

Acq: 12 Jul 2018 21:28

Tgt Ion: 45 Resp: 422914

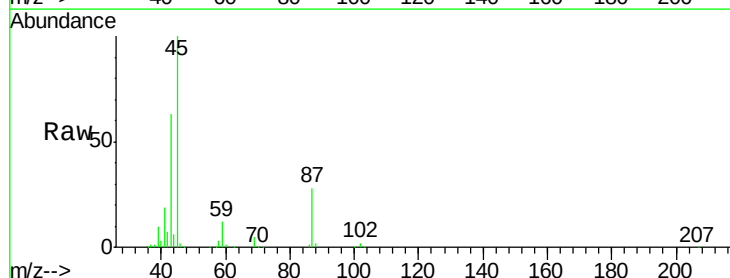
Ion Ratio Lower Upper

45 100

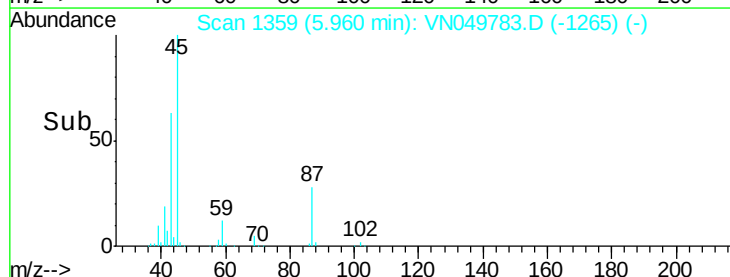
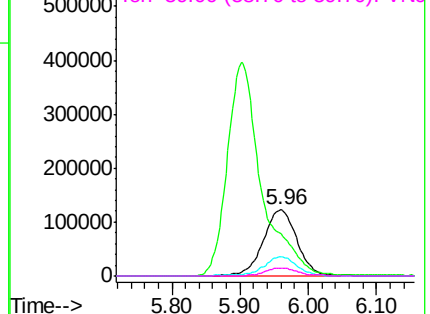
43 62.7 48.1 72.1

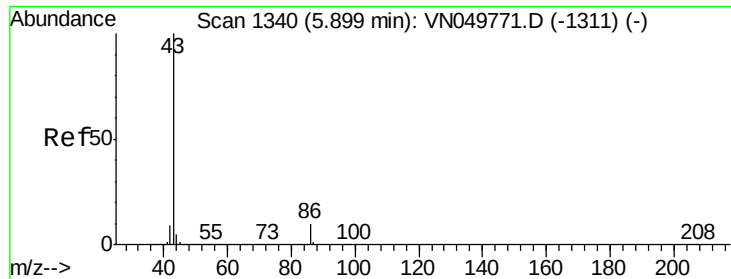
87 28.2 22.6 34.0

59 12.1 9.2 13.8



Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 49.336 ug/l

RT: 5.90 min Scan# 1341

Delta R.T. 0.00 min

Lab File: VN049783.D

Acq: 12 Jul 2018 21:28

Instrument :

MSVOA_N

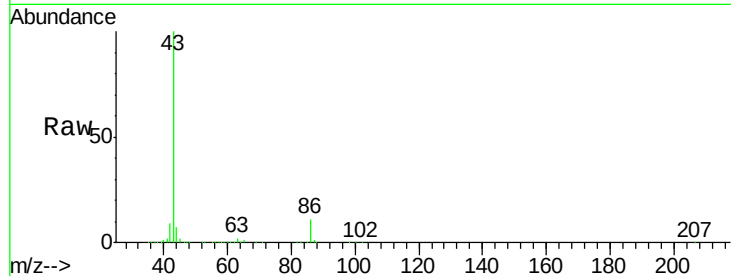
ClientSampled :

Tot Ion: 43 Resp: 1381304

Ion Ratio Lower Upper

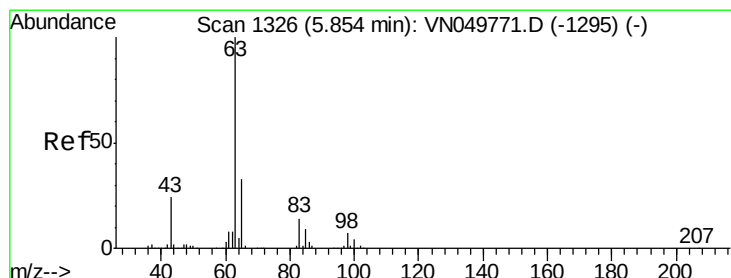
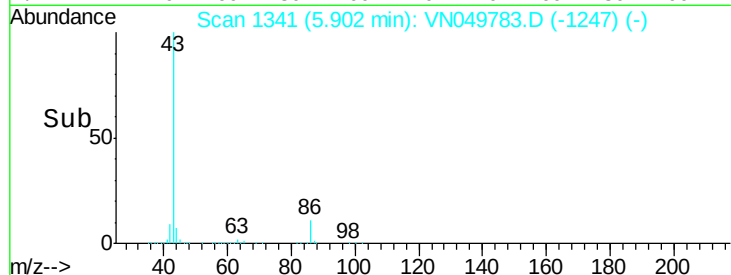
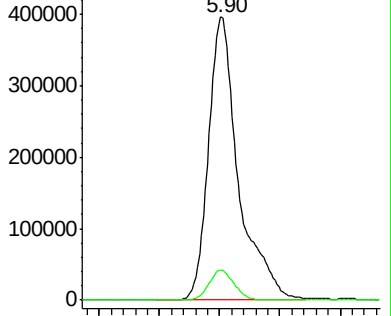
43 100

86 10.7 8.4 12.6



Abundance Ion 43.00 (42.70 to 43.70): VN049771.D (-1311) (-)

Ion 86.00 (85.70 to 86.70): VN049771.D (-1311) (-)



#24

1,1-Dichloroethane

Concen: 10.367 ug/l

RT: 5.85 min Scan# 1326

Delta R.T. -0.00 min

Lab File: VN049783.D

Acq: 12 Jul 2018 21:28

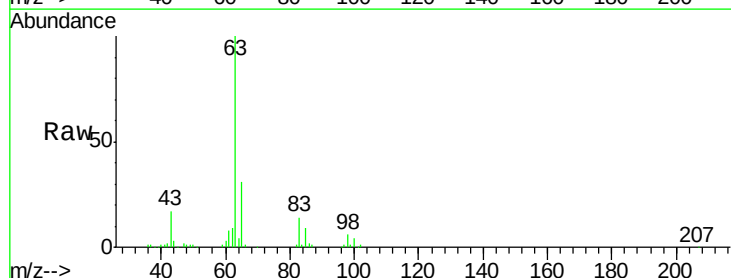
Tgt Ion: 63 Resp: 272110

Ion Ratio Lower Upper

63 100

98 6.1 3.4 10.2

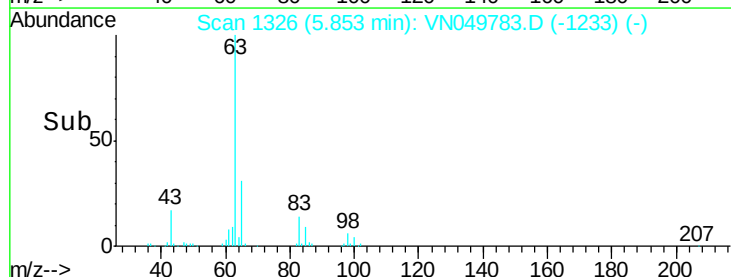
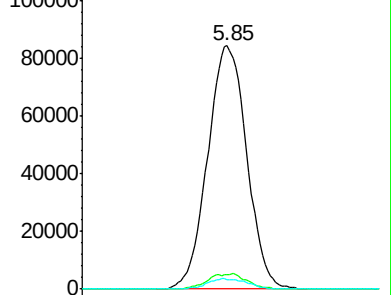
100 4.1 2.2 6.6

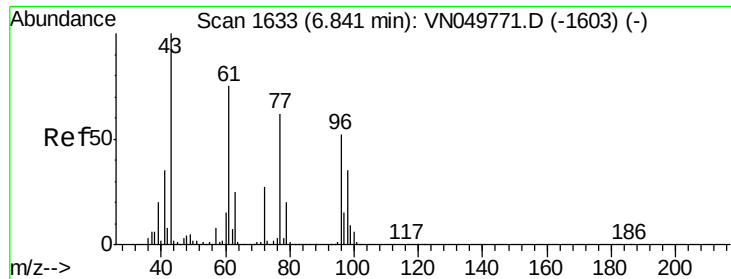


Abundance Ion 62.90 (62.60 to 63.60): VN049771.D (-1295) (-)

Ion 97.90 (97.60 to 98.60): VN049771.D (-1295) (-)

Ion 99.90 (99.60 to 100.60): VN049771.D (-1295) (-)





#25

2-Butanone

Concen: 47.306 ug/l

RT: 6.84 min Scan# 1634

Delta R.T. 0.00 min

Lab File: VN049783.D

Acq: 12 Jul 2018 21:28

Instrument :

MSVOA_N

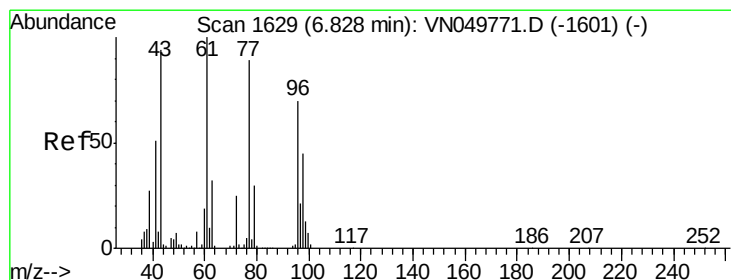
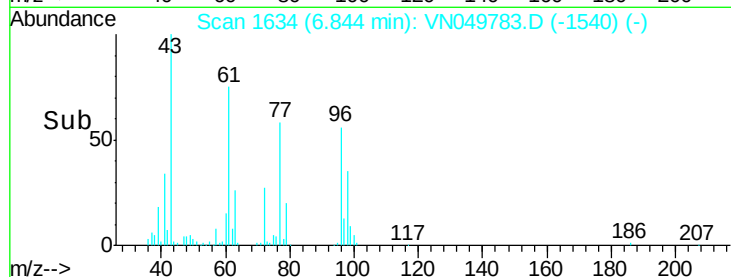
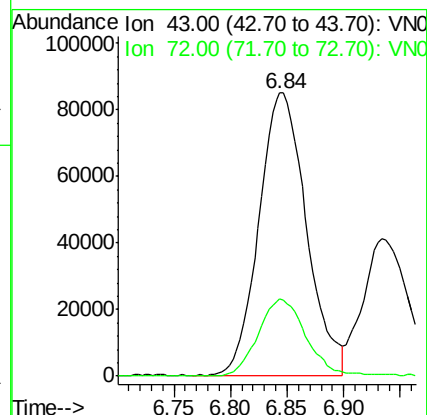
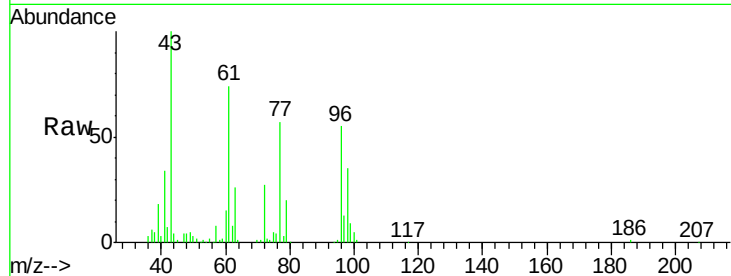
ClientSampled :

Tot Ion: 43 Resp: 247151

Ion Ratio Lower Upper

43 100

72 27.5 22.1 33.1



#26

2,2-Dichloropropane

Concen: 9.121 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. -0.00 min

Lab File: VN049783.D

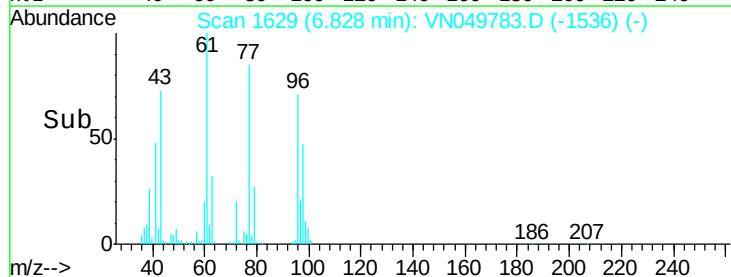
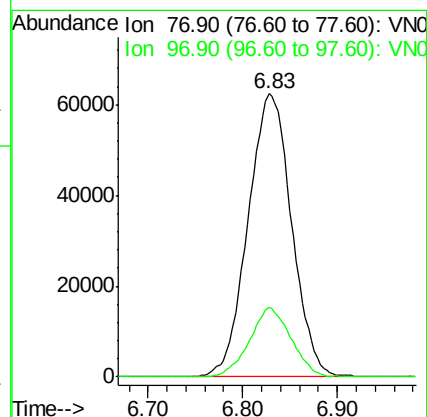
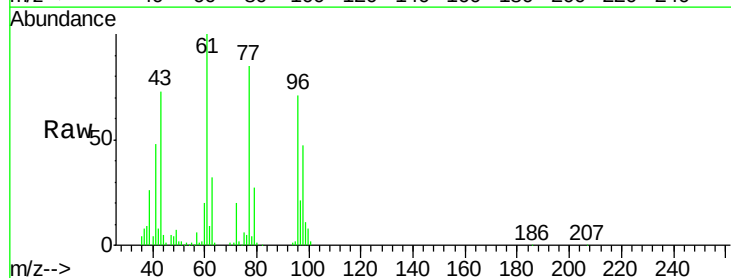
Acq: 12 Jul 2018 21:28

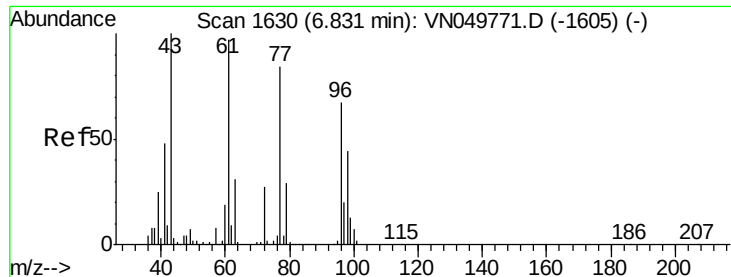
Tgt Ion: 77 Resp: 198703

Ion Ratio Lower Upper

77 100

97 23.3 11.9 35.5





#27

cis-1,2-Dichloroethene

Concen: 10.101 ug/l

RT: 6.83 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VN049783.D

Acq: 12 Jul 2018 21:28

Instrument :
MSVOA_N
ClientSampleId :

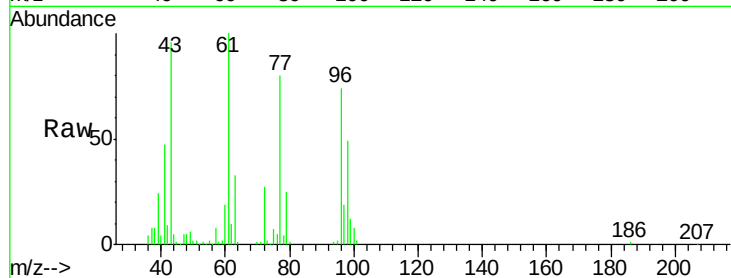
Tot Ion: 96 Resp: 157368

Ion Ratio Lower Upper

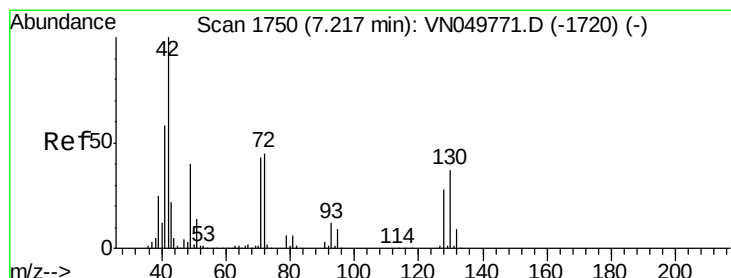
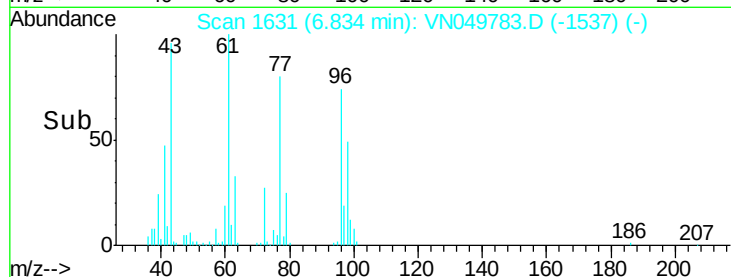
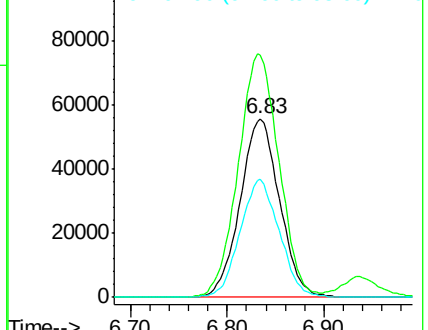
96 100

61 140.7 0.0 289.0

98 65.6 0.0 130.2



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



#29

Tetrahydrofuran

Concen: 48.872 ug/l

RT: 7.22 min Scan# 1751

Delta R.T. 0.00 min

Lab File: VN049783.D

Acq: 12 Jul 2018 21:28

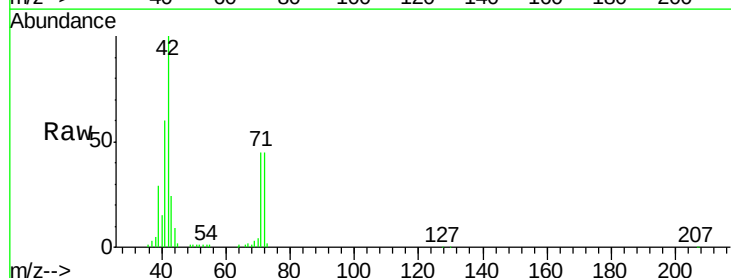
Tgt Ion: 42 Resp: 160338

Ion Ratio Lower Upper

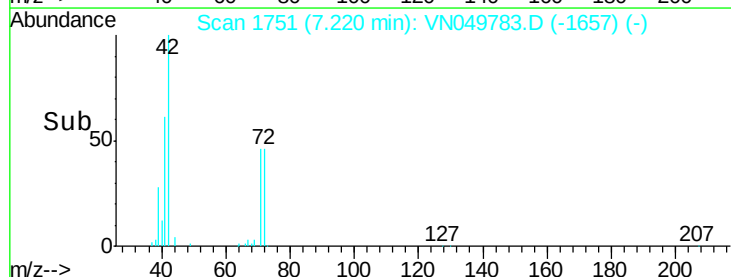
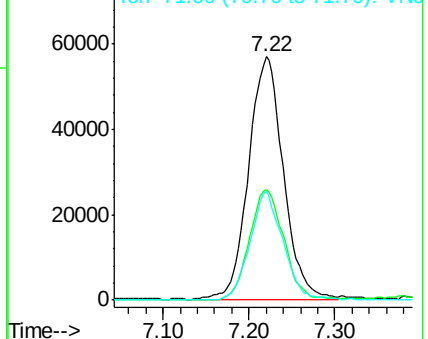
42 100

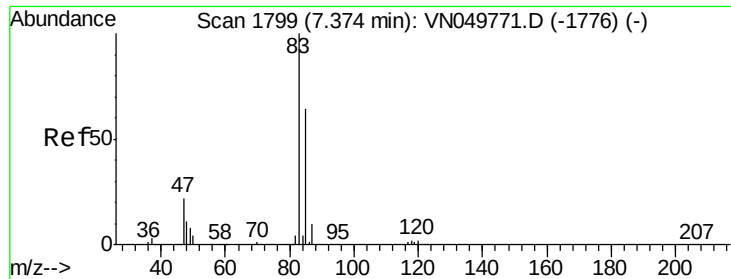
72 45.3 35.6 53.4

71 42.4 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

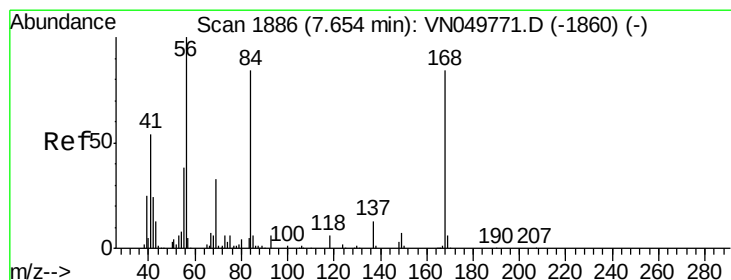
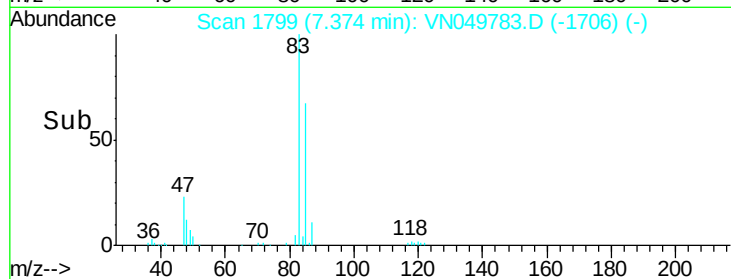
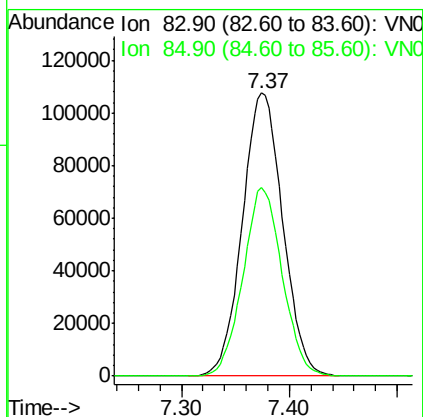
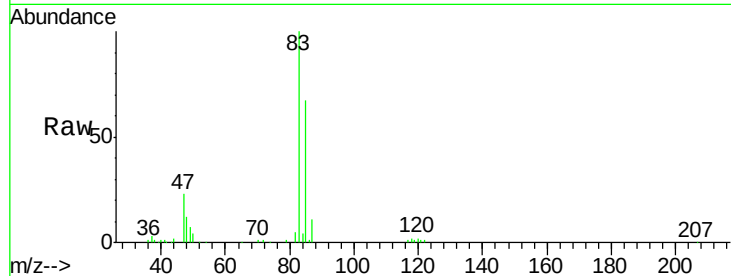




#30
Chloroform
Concen: 10.359 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. -0.00 min
Lab File: VN049783.D
Acq: 12 Jul 2018 21:28

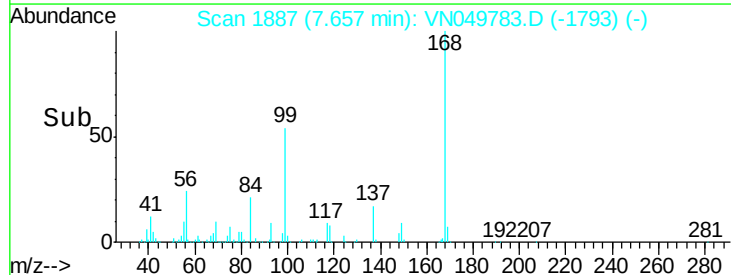
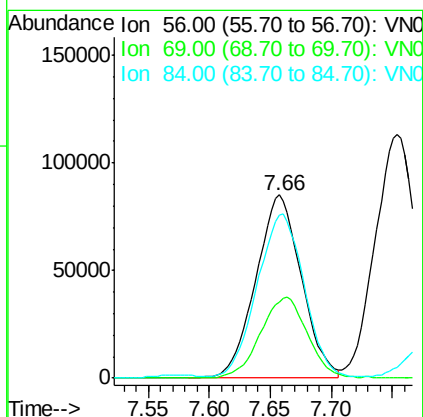
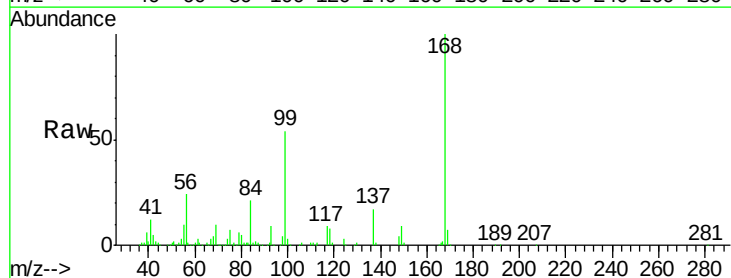
Instrument :
MSVOA_N
ClientSampleId :

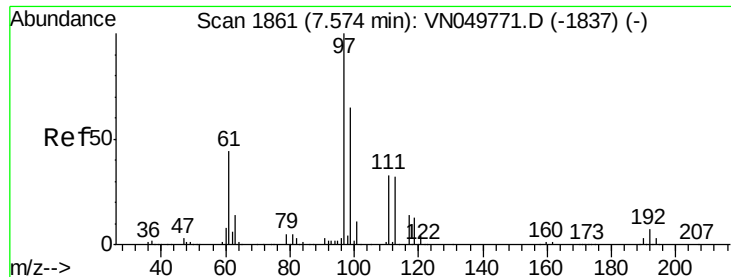
Tot Ion: 83 Resp: 280155
Ion Ratio Lower Upper
83 100
85 66.7 51.4 77.2



#31
Cyclohexane
Concen: 10.351 ug/l
RT: 7.66 min Scan# 1887
Delta R.T. 0.00 min
Lab File: VN049783.D
Acq: 12 Jul 2018 21:28

Tgt Ion: 56 Resp: 220444
Ion Ratio Lower Upper
56 100
69 41.7 26.6 40.0#
84 88.1 69.0 103.6





#32

1,1,1-Trichloroethane

Concen: 10.389 ug/l

RT: 7.57 min Scan# 1861

Delta R.T. -0.00 min

Lab File: VN049783.D

Acq: 12 Jul 2018 21:28

Instrument :
MSVOA_N
ClientSampled :

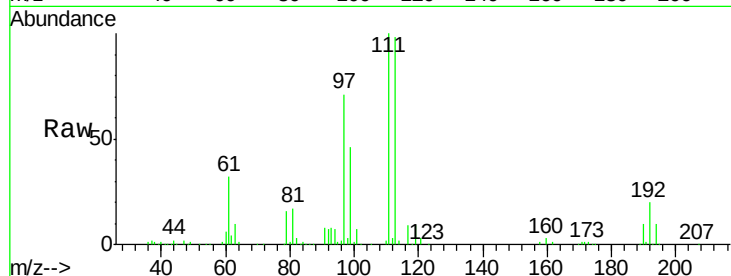
Tot Ion: 97 Resp: 238609

Ion Ratio Lower Upper

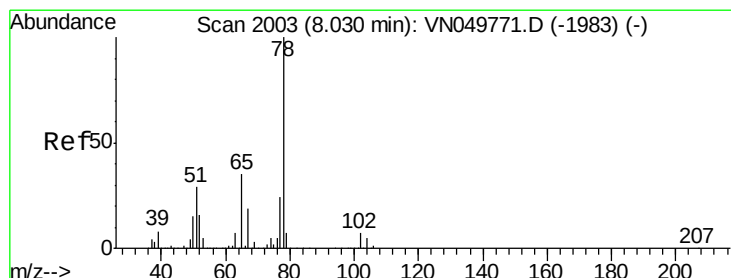
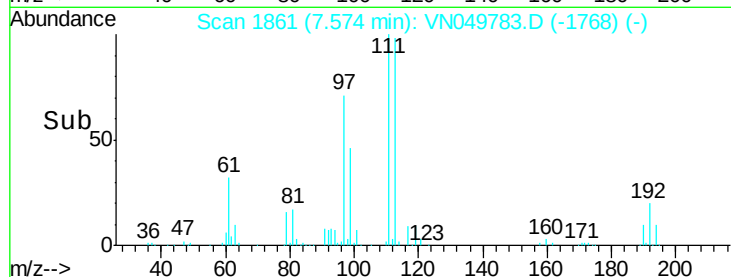
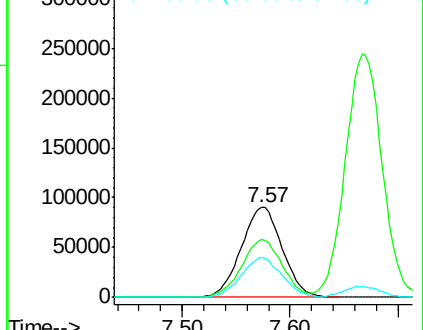
97 100

99 63.6 51.0 76.4

61 44.0 35.5 53.3



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



#33

1,2-Dichloroethane-d4

Concen: 49.646 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. -0.00 min

Lab File: VN049783.D

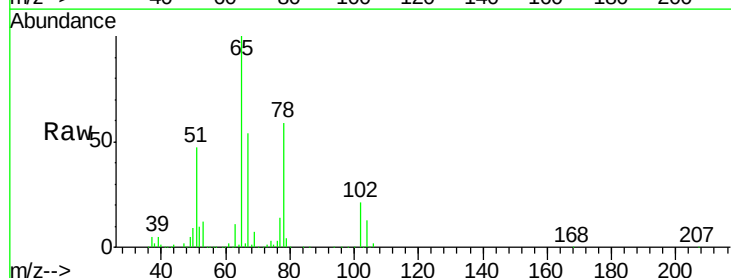
Acq: 12 Jul 2018 21:28

Tgt Ion: 65 Resp: 665590

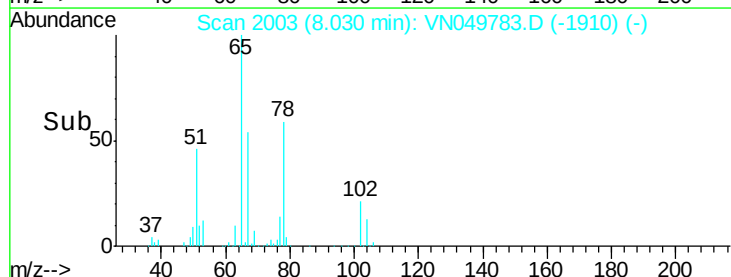
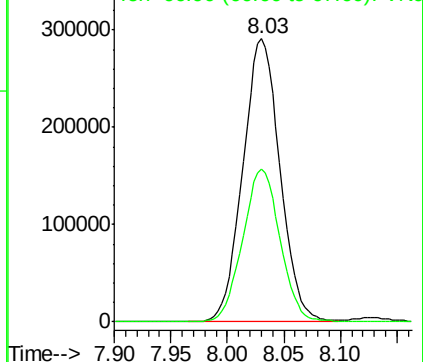
Ion Ratio Lower Upper

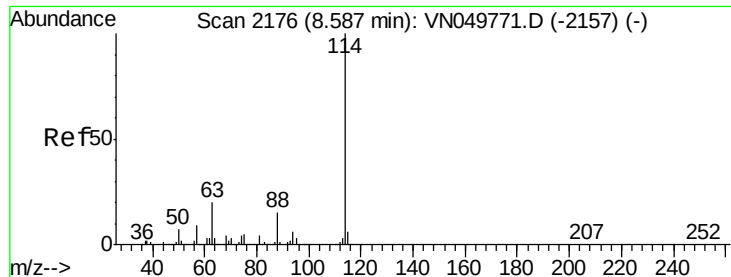
65 100

67 54.3 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

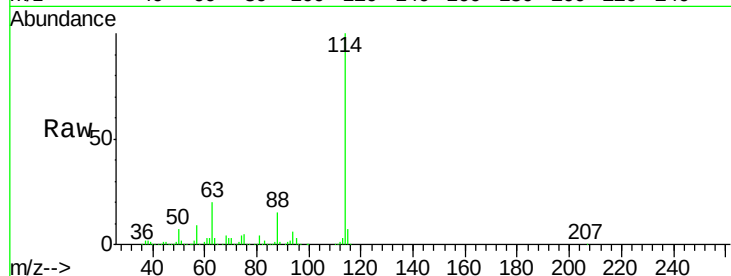




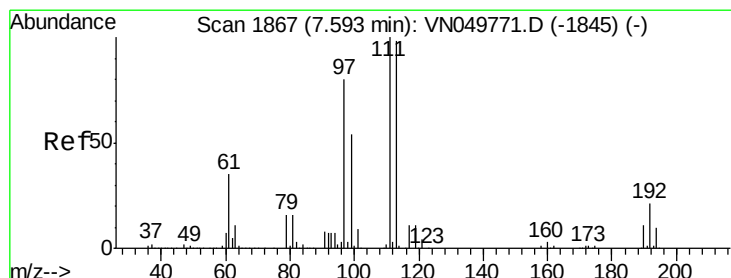
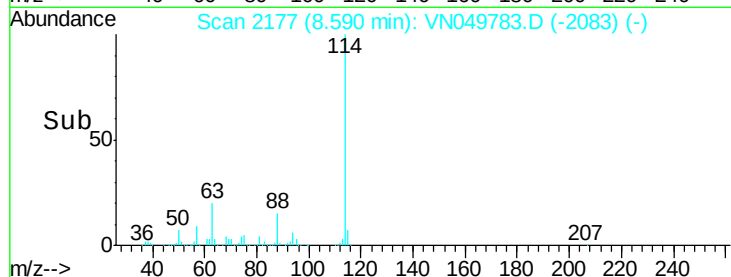
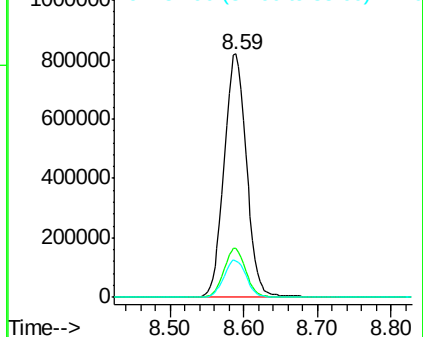
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN049783.D
 Acq: 12 Jul 2018 21:28

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:114 Resp: 1729561
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 39.8
 88 15.0 0.0 30.6

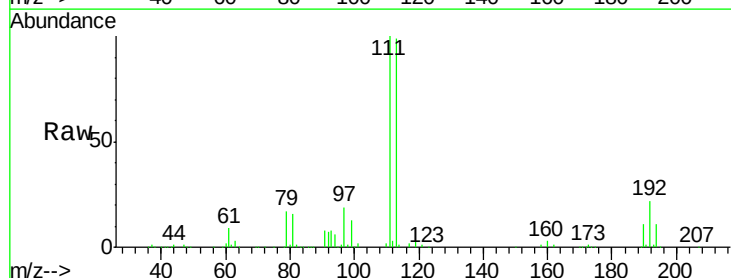


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

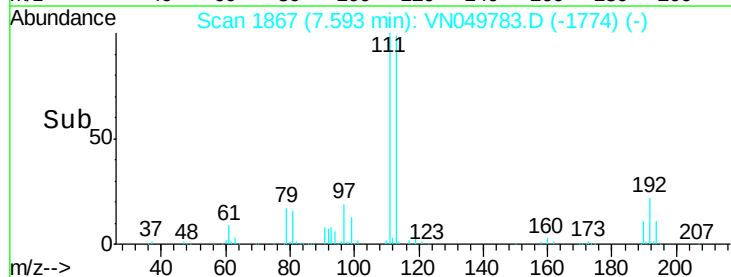
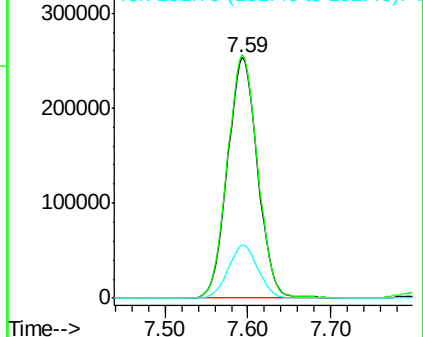


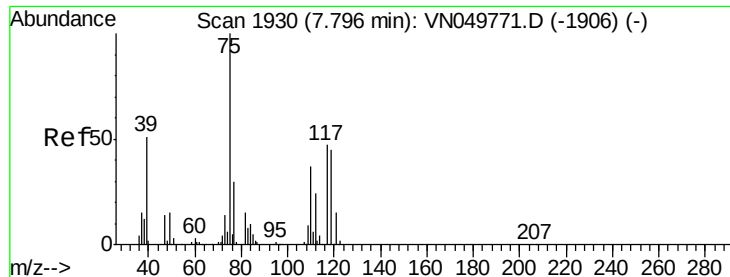
#35
 Dibromofluoromethane
 Concen: 48.941 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN049783.D
 Acq: 12 Jul 2018 21:28

Tgt Ion:113 Resp: 638054
 Ion Ratio Lower Upper
 113 100
 111 101.8 81.8 122.8
 192 22.0 17.8 26.6



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





#36

1,1-Dichloropropene

Concen: 9.753 ug/l

RT: 7.80 min Scan# 1930

Delta R.T. -0.00 min

Lab File: VN049783.D

Acq: 12 Jul 2018 21:28

Instrument :

MSVOA_N

ClientSampleId :

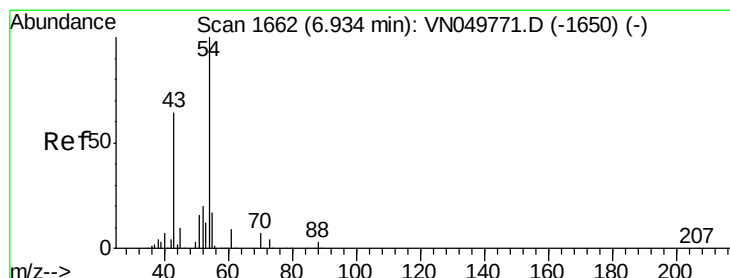
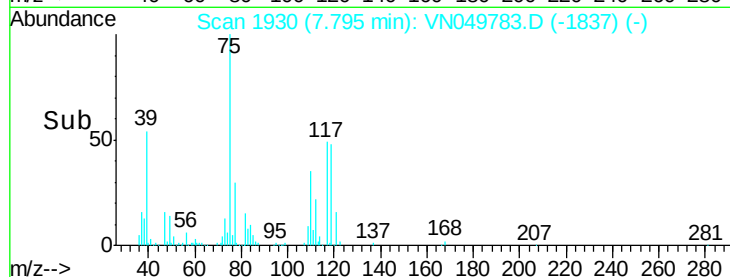
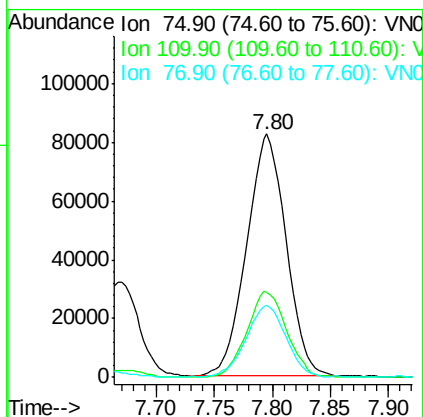
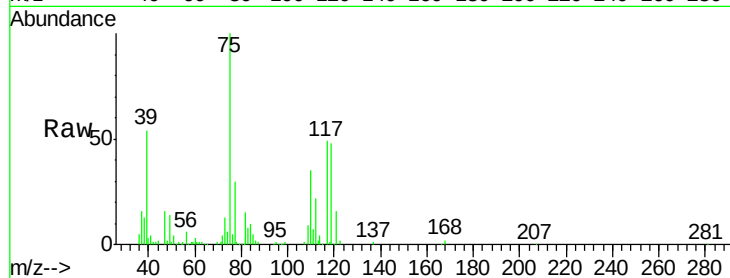
Tot Ion: 75 Resp: 194392

Ion Ratio Lower Upper

75 100

110 36.2 18.1 54.4

77 29.8 24.9 37.3



#37

Ethyl Acetate

Concen: 10.065 ug/l

RT: 6.93 min Scan# 1662

Delta R.T. -0.00 min

Lab File: VN049783.D

Acq: 12 Jul 2018 21:28

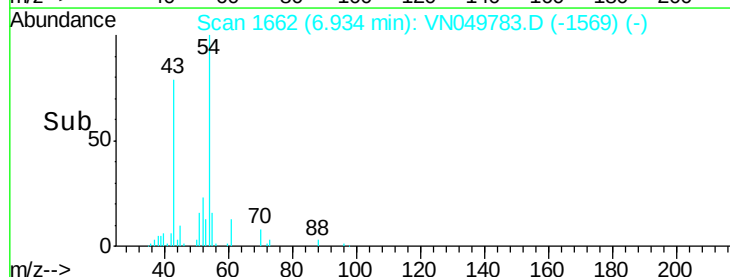
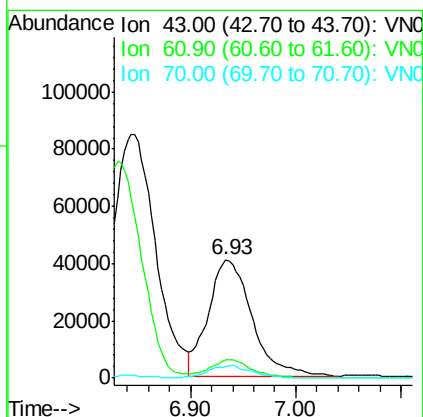
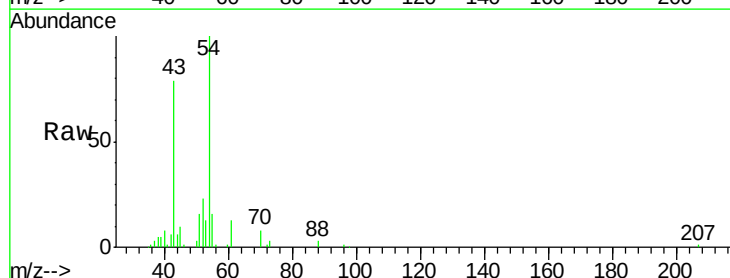
Tgt Ion: 43 Resp: 118738

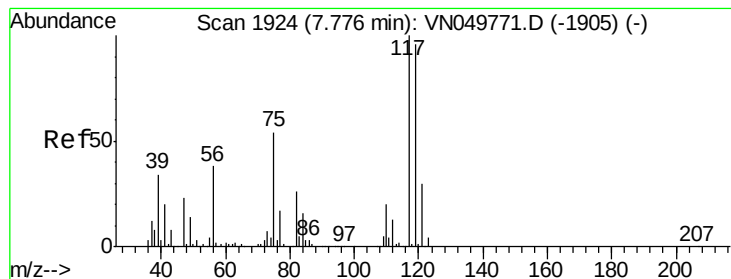
Ion Ratio Lower Upper

43 100

61 14.6 11.7 17.5

70 10.7 8.4 12.6





#38

Carbon Tetrachloride

Concen: 9.962 ug/l

RT: 7.78 min Scan# 1924

Delta R.T. -0.00 min

Lab File: VN049783.D

Acq: 12 Jul 2018 21:28

Instrument :

MSVOA_N

ClientSampled :

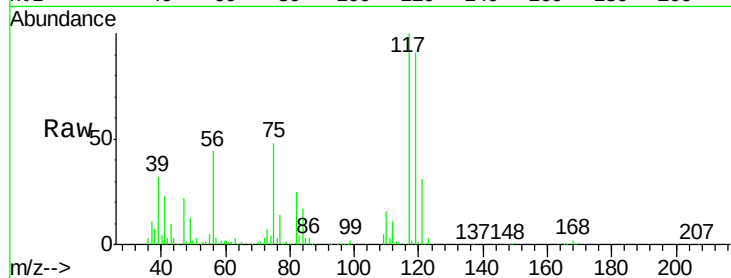
Tot Ion:117 Resp: 207567

Ion Ratio Lower Upper

117 100

119 91.3 77.2 115.8

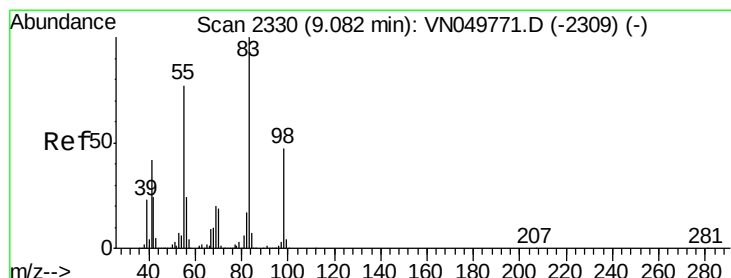
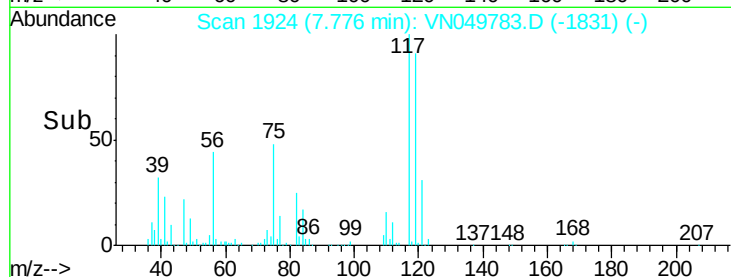
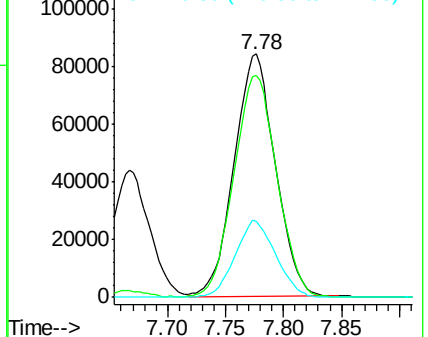
121 31.5 25.0 37.6



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#39

Methylcyclohexane

Concen: 9.329 ug/l

RT: 9.08 min Scan# 2331

Delta R.T. 0.00 min

Lab File: VN049783.D

Acq: 12 Jul 2018 21:28

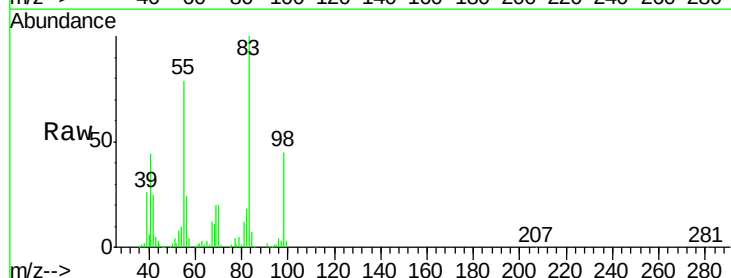
Tgt Ion: 83 Resp: 195981

Ion Ratio Lower Upper

83 100

55 79.1 59.7 89.5

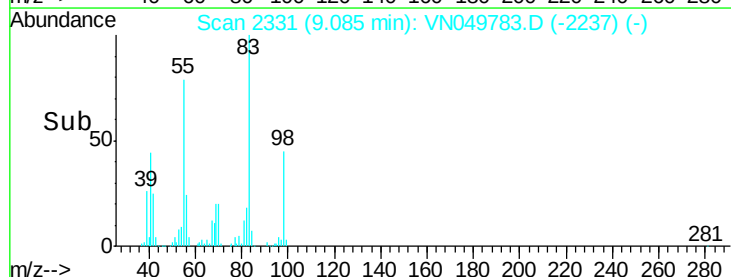
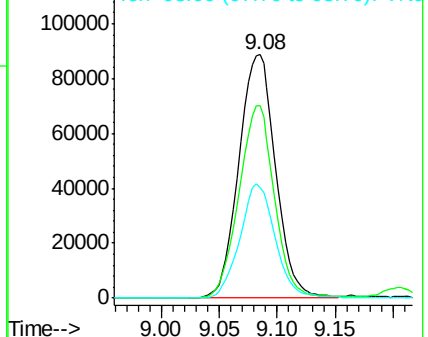
98 45.3 36.5 54.7

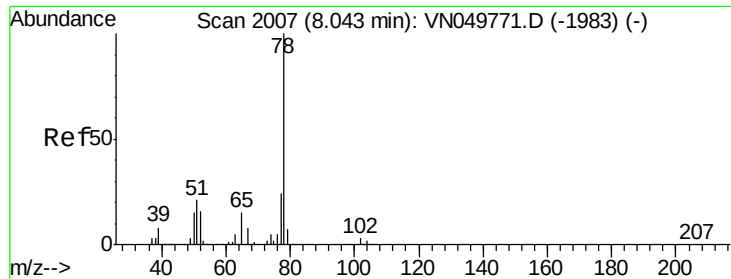


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 98.00 (97.70 to 98.70): V

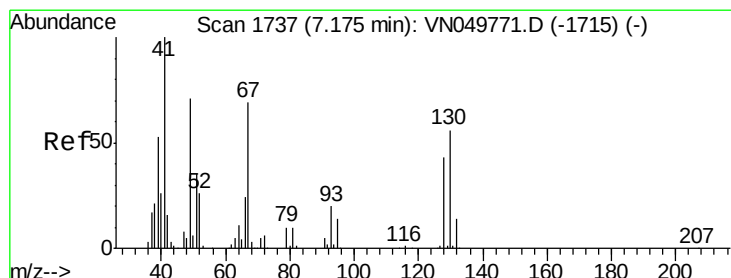
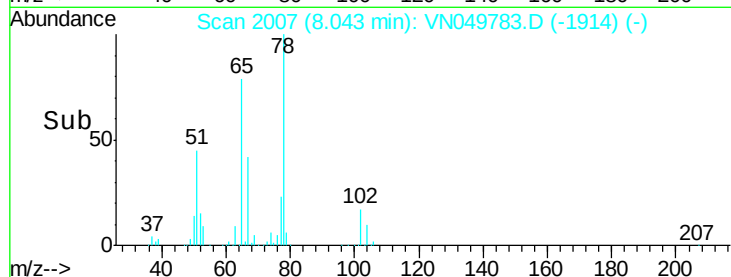
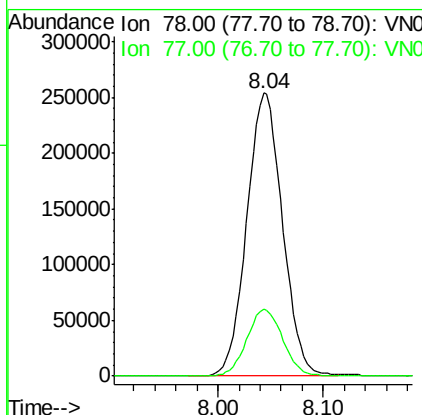
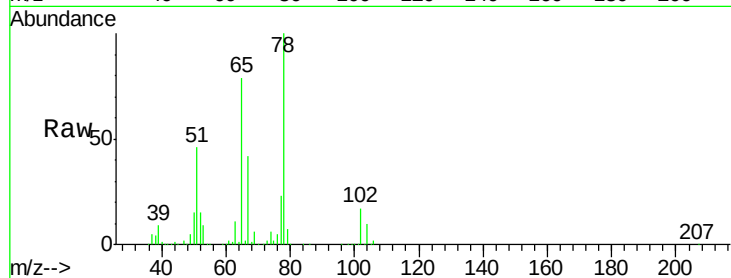




#40
Benzene
Concen: 10.044 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. -0.00 min
Lab File: VN049783.D
Acq: 12 Jul 2018 21:28

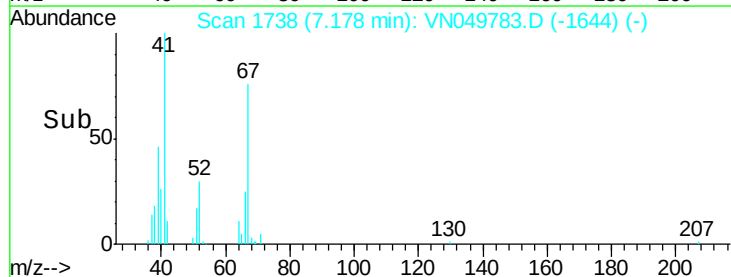
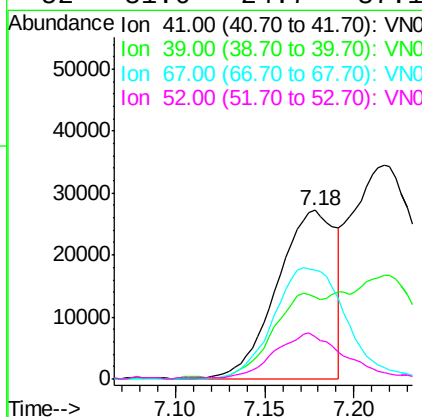
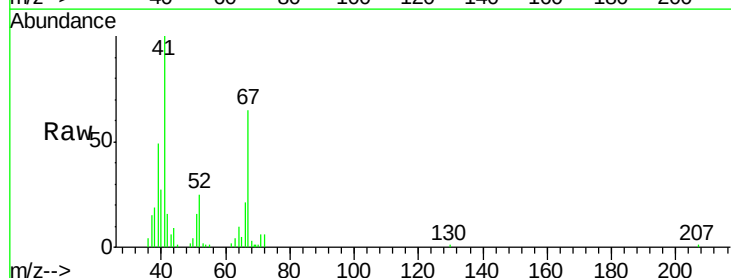
Instrument :
MSVOA_N
ClientSampled :

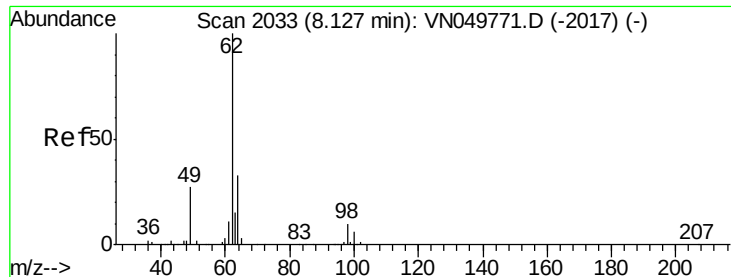
Tot Ion: 78 Resp: 598853
Ion Ratio Lower Upper
78 100
77 23.5 19.0 28.4



#41
Methacrylonitrile
Concen: 9.274 ug/l
RT: 7.18 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN049783.D
Acq: 12 Jul 2018 21:28

Tgt Ion: 41 Resp: 61891
Ion Ratio Lower Upper
41 100
39 40.0 45.4 68.2#
67 81.9 65.4 98.0
52 31.6 24.7 37.1





#42

1,2-Dichloroethane

Concen: 10.251 ug/l

RT: 8.13 min Scan# 2033

Delta R.T. -0.00 min

Lab File: VN049783.D

Acq: 12 Jul 2018 21:28

Instrument :

MSVOA_N

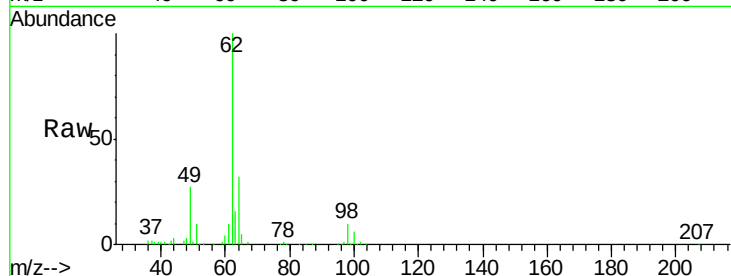
ClientSampleId :

Tot Ion: 62 Resp: 199927

Ion Ratio Lower Upper

62 100

98 9.4 0.0 19.0



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

8.13

100000

80000

60000

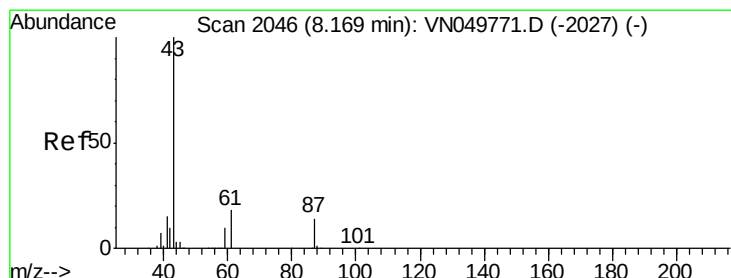
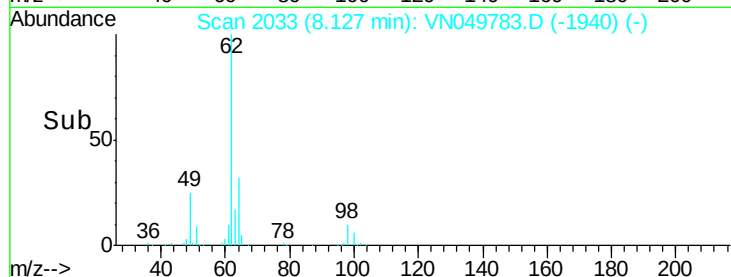
40000

20000

0

8.05 8.10 8.15 8.20

Time-->



#43

Isopropyl Acetate

Concen: 9.762 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. -0.00 min

Lab File: VN049783.D

Acq: 12 Jul 2018 21:28

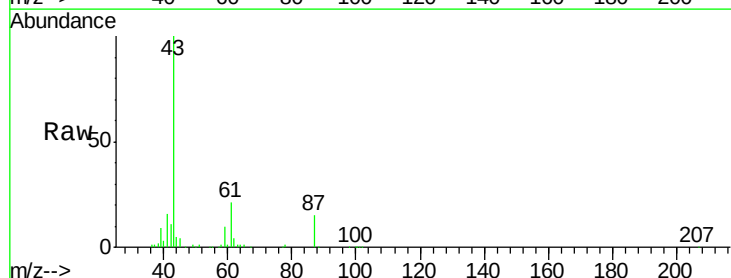
Tgt Ion: 43 Resp: 207009

Ion Ratio Lower Upper

43 100

61 20.0 14.9 22.3

87 14.0 10.0 15.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

120000

100000

80000

60000

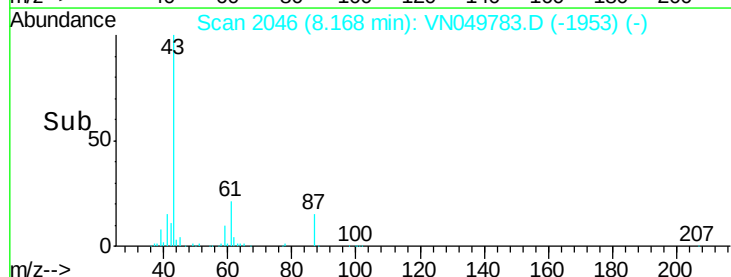
40000

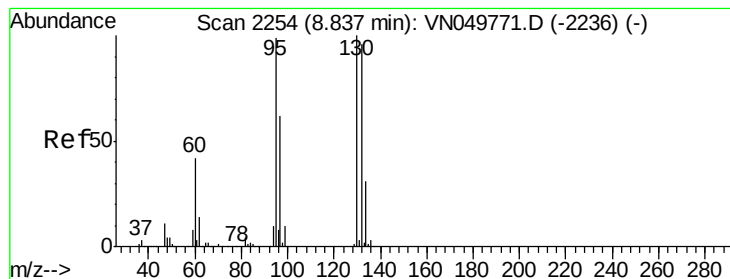
20000

0

8.05 8.10 8.15 8.20 8.25

Time-->





#44

Trichloroethene

Concen: 9.817 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. -0.00 min

Lab File: VN049783.D

Acq: 12 Jul 2018 21:28

Instrument :

MSVOA_N

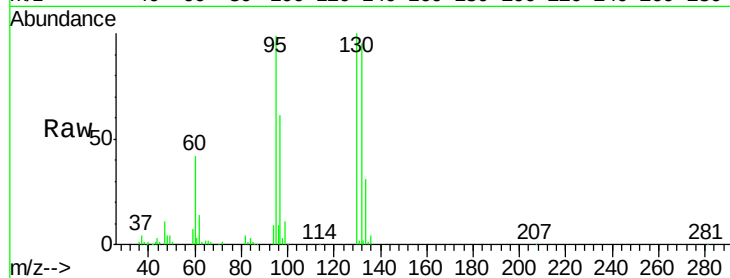
ClientSampled :

Tot Ion:130 Resp: 157604

Ion Ratio Lower Upper

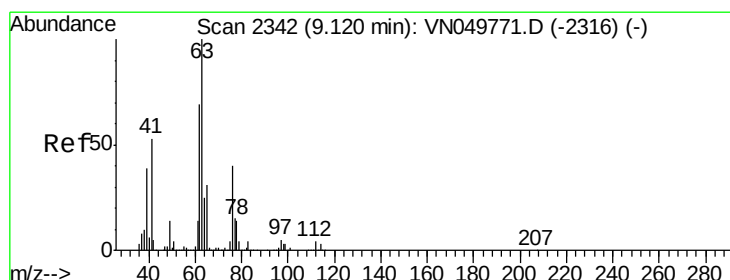
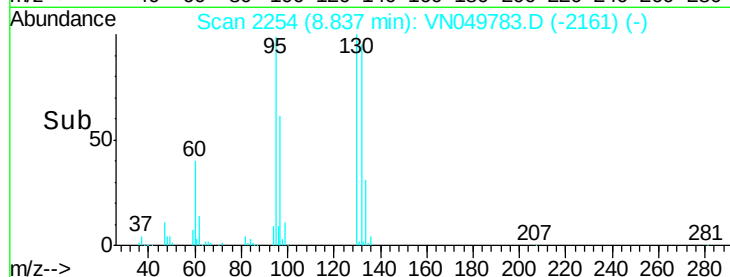
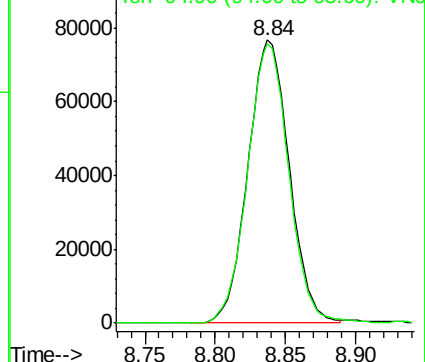
130 100

95 98.9 0.0 192.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0



#45

1,2-Dichloropropane

Concen: 10.146 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. -0.00 min

Lab File: VN049783.D

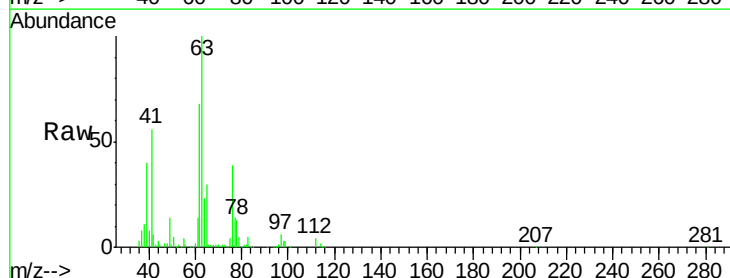
Acq: 12 Jul 2018 21:28

Tgt Ion: 63 Resp: 162582

Ion Ratio Lower Upper

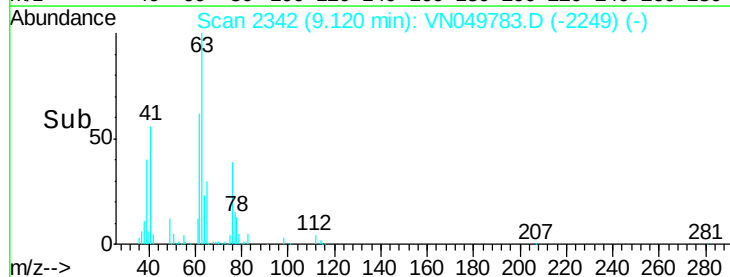
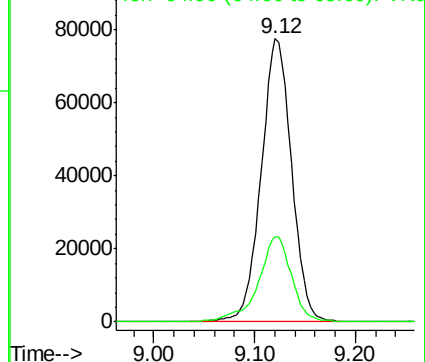
63 100

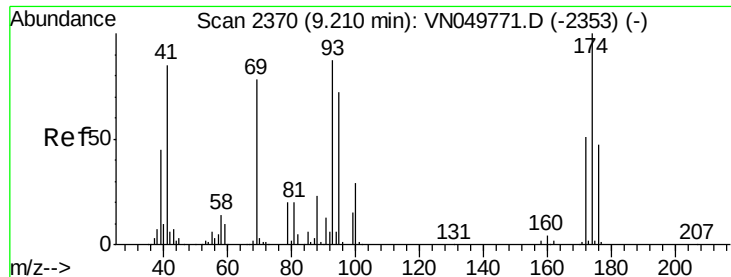
65 30.2 24.7 37.1



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

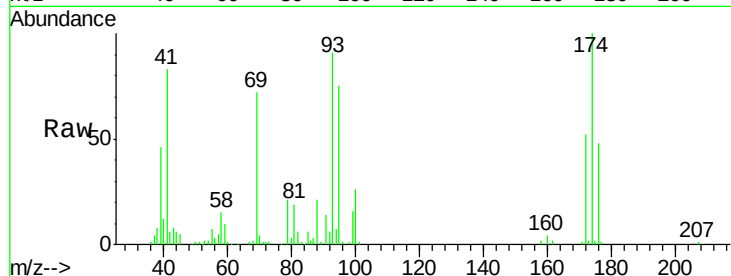




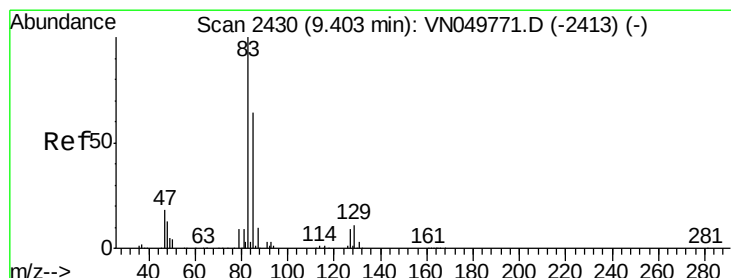
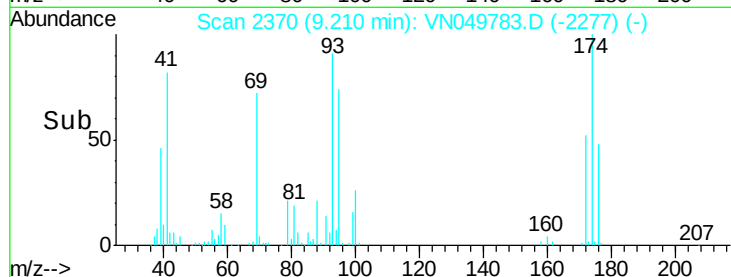
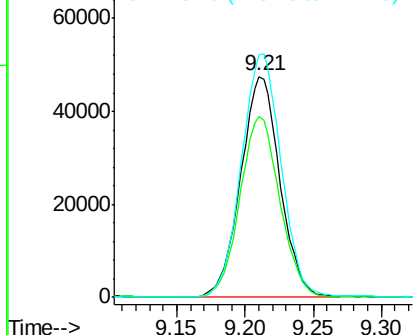
#46
Dibromomethane
Concen: 9.968 ug/l
RT: 9.21 min Scan# 2370
Delta R.T. -0.00 min
Lab File: VN049783.D
Acq: 12 Jul 2018 21:28

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 93 Resp: 94865
Ion Ratio Lower Upper
93 100
95 83.3 67.9 101.9
174 111.7 89.4 134.0

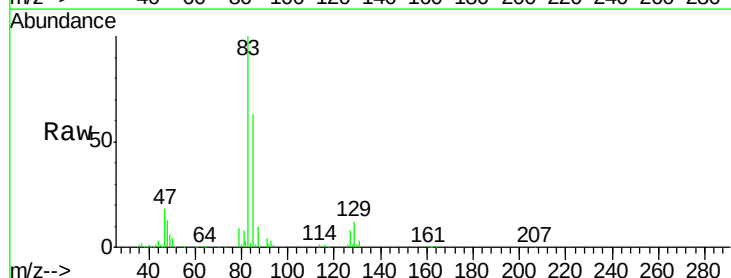


Abundance Ion 92.80 (92.50 to 93.50): VN0
Ion 94.80 (94.50 to 95.50): VN0
Ion 173.70 (173.40 to 174.40): V

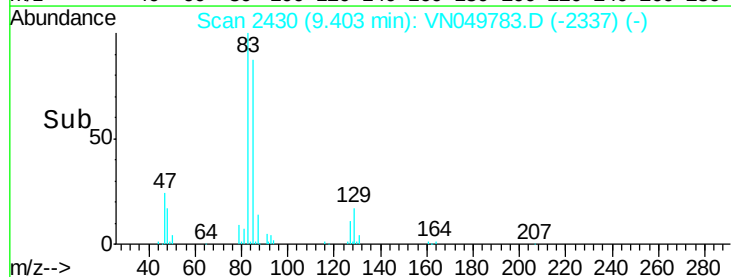
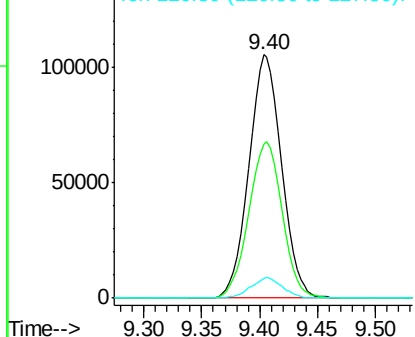


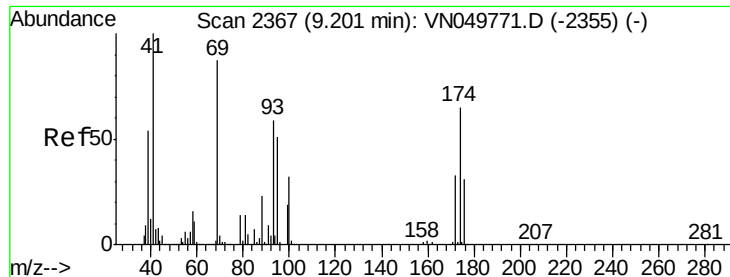
#47
Bromodichloromethane
Concen: 9.898 ug/l
RT: 9.40 min Scan# 2430
Delta R.T. -0.00 min
Lab File: VN049783.D
Acq: 12 Jul 2018 21:28

Tgt Ion: 83 Resp: 207435
Ion Ratio Lower Upper
83 100
85 63.2 50.5 75.7
127 8.3 6.8 10.2



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

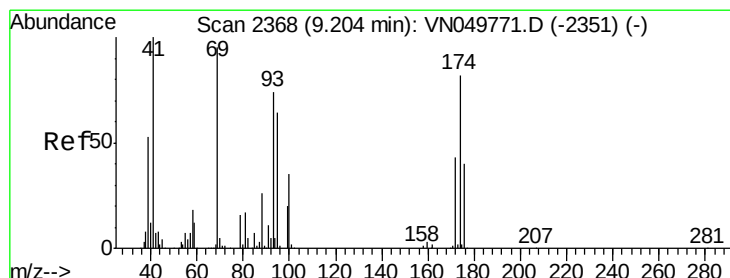
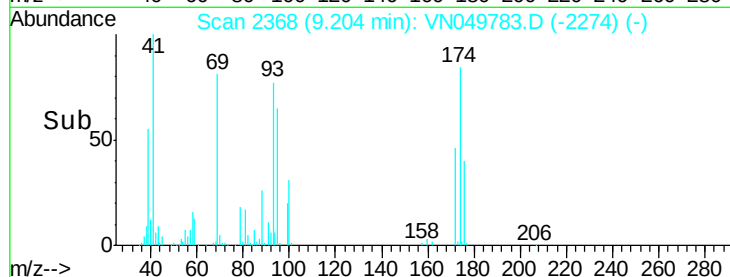
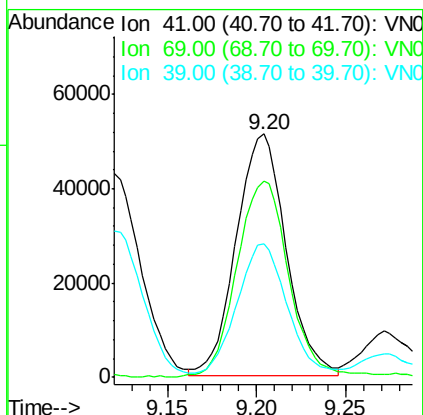
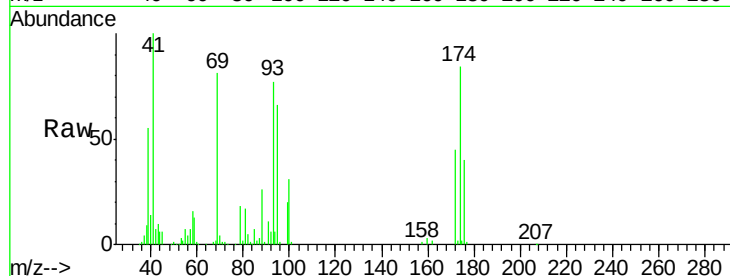




#48
Methvl methacrylate
Concen: 9.451 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN049783.D
Acq: 12 Jul 2018 21:28

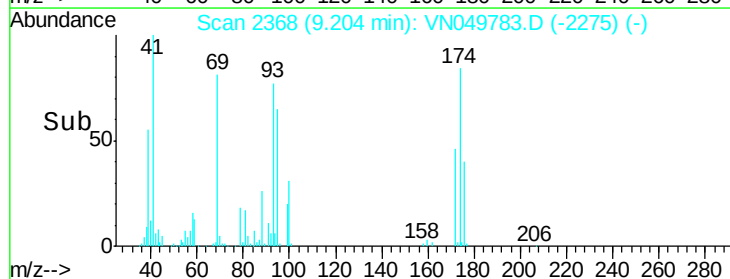
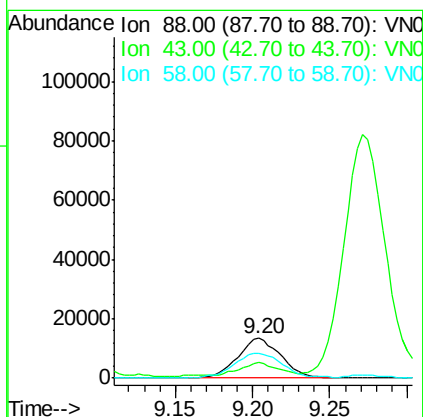
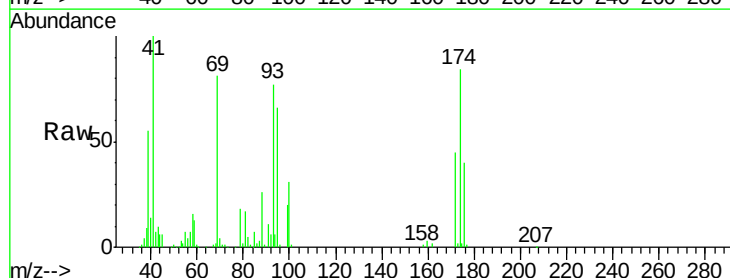
Instrument :
MSVOA_N
ClientSampled :

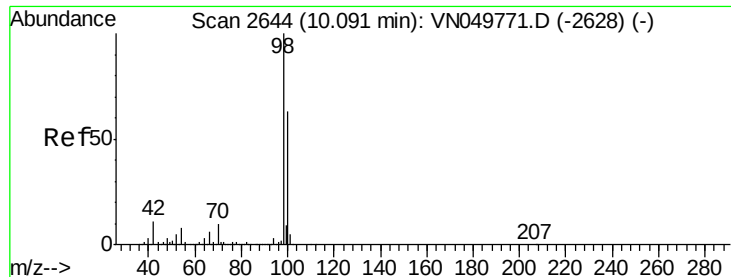
Tot Ion: 41 Resp: 100207
Ion Ratio Lower Upper
41 100
69 83.9 71.5 107.3
39 56.1 44.7 67.1



#49
1,4-Dioxane
Concen: 187.215 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. -0.00 min
Lab File: VN049783.D
Acq: 12 Jul 2018 21:28

Tgt Ion: 88 Resp: 26008
Ion Ratio Lower Upper
88 100
43 28.2 25.1 37.7
58 70.5 52.5 78.7

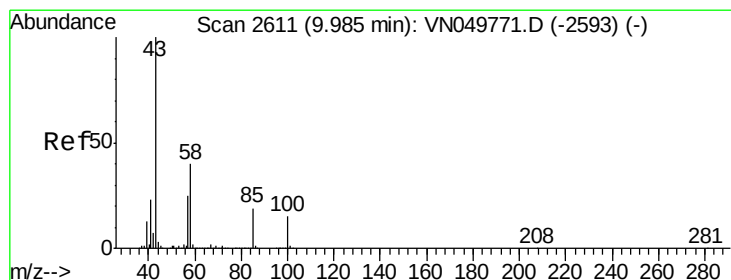
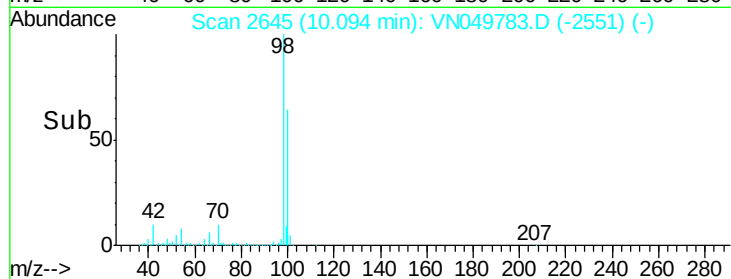
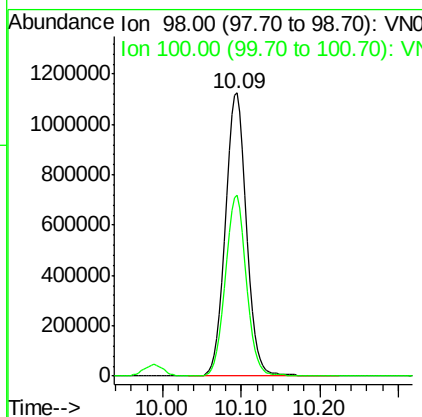
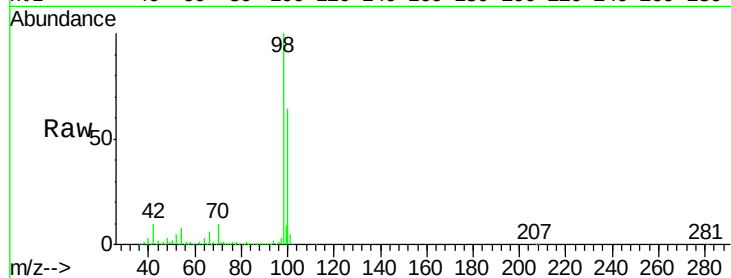




#50
Toluene-d8
Concen: 46.602 ug/l
RT: 10.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VN049783.D
Acq: 12 Jul 2018 21:28

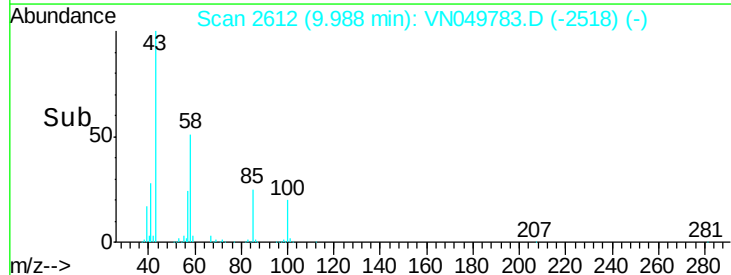
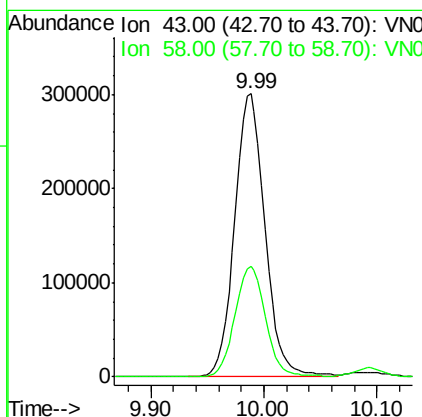
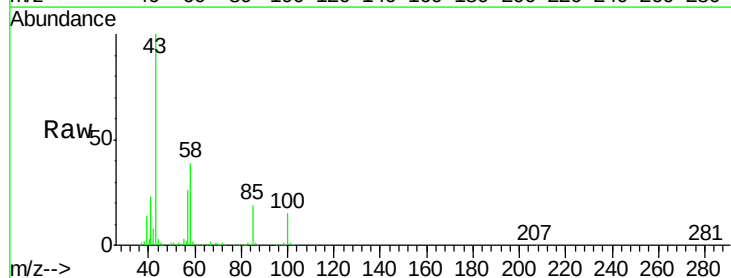
Instrument :
MSVOA_N
ClientSampled :

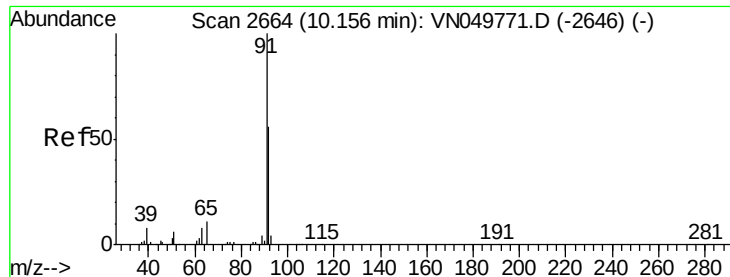
Tot Ion: 98 Resp: 2079683
Ion Ratio Lower Upper
98 100
100 63.6 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 48.598 ug/l
RT: 9.99 min Scan# 2612
Delta R.T. 0.00 min
Lab File: VN049783.D
Acq: 12 Jul 2018 21:28

Tgt Ion: 43 Resp: 559532
Ion Ratio Lower Upper
43 100
58 39.3 31.8 47.8





#52

Toluene

Concen: 10.396 ug/l

RT: 10.16 min Scan# 2665

Delta R.T. 0.00 min

Lab File: VN049783.D

Acq: 12 Jul 2018 21:28

Instrument :

MSVOA_N

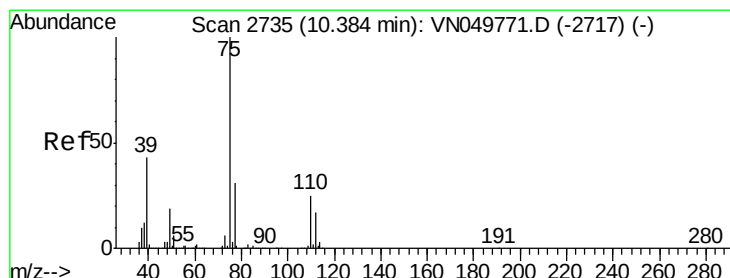
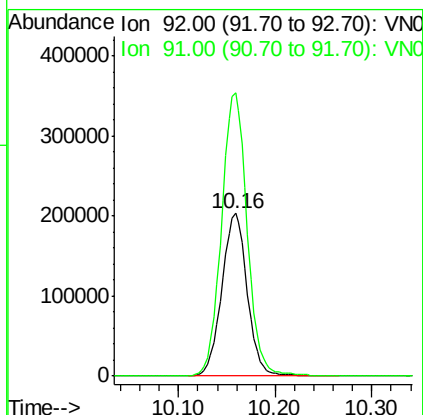
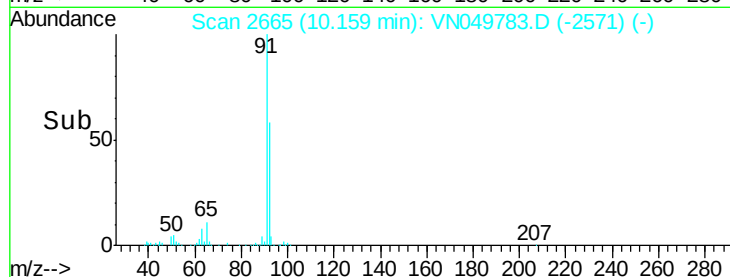
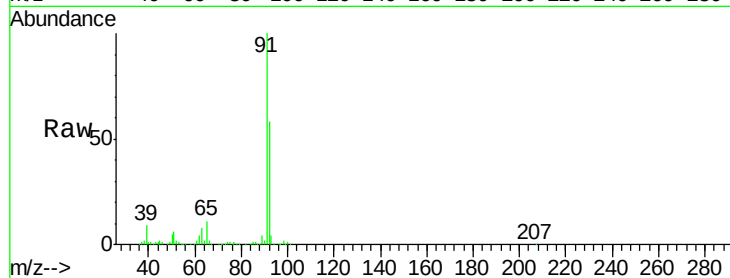
ClientSampleId :

Tot Ion: 92 Resp: 370956

Ion Ratio Lower Upper

92 100

91 175.2 140.1 210.1



#53

t-1,3-Dichloropropene

Concen: 9.372 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. -0.00 min

Lab File: VN049783.D

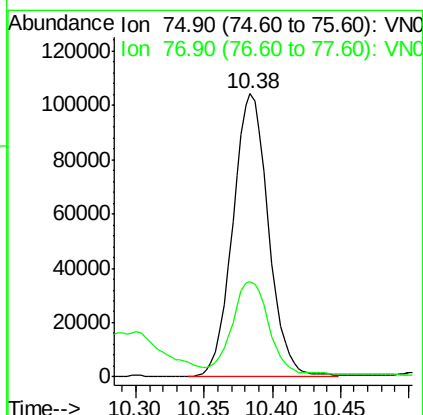
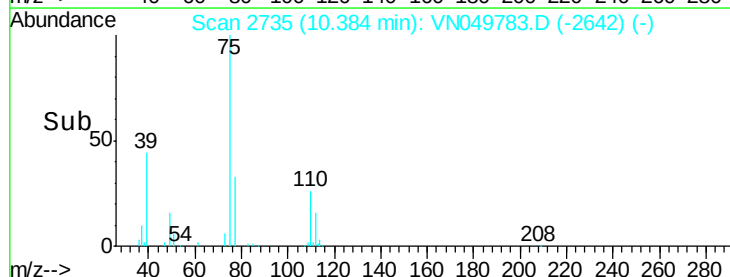
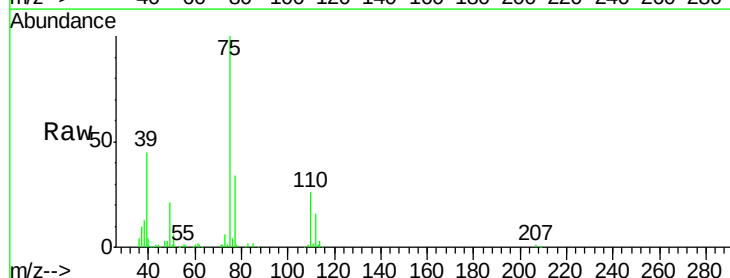
Acq: 12 Jul 2018 21:28

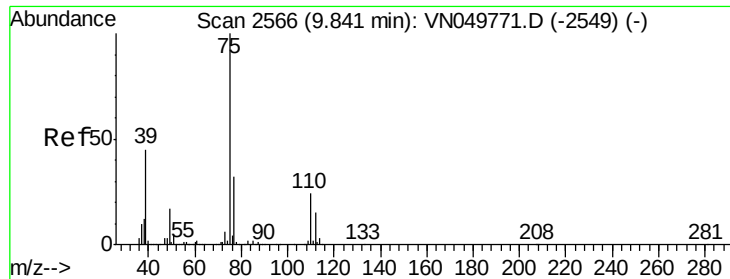
Tgt Ion: 75 Resp: 188926

Ion Ratio Lower Upper

75 100

77 32.6 25.2 37.8



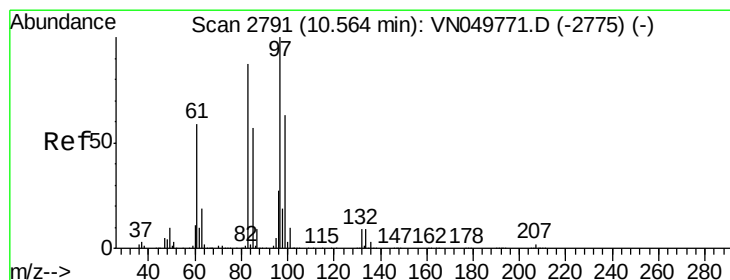
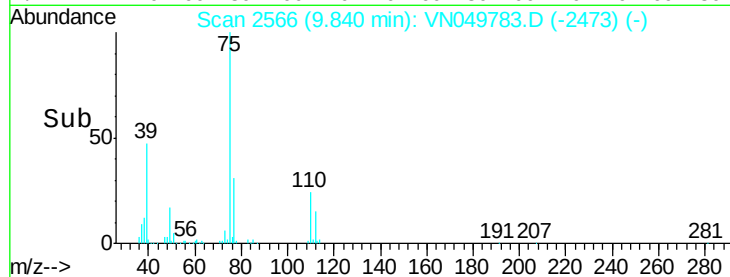
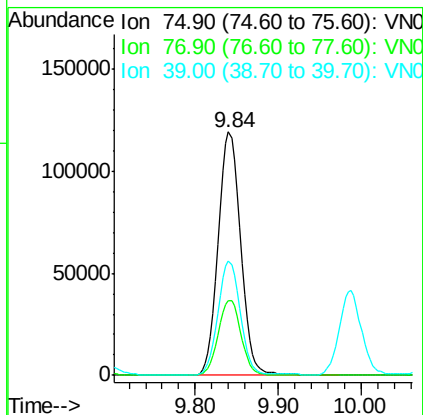
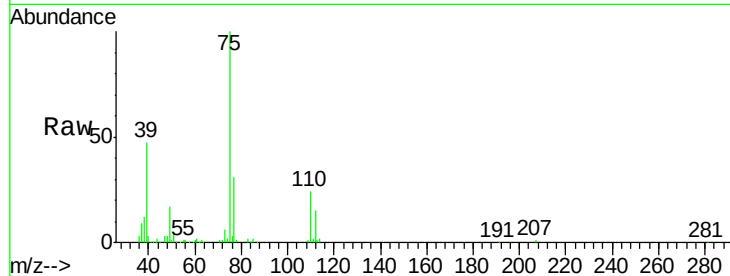


#54

cis-1,3-Dichloropropene
Concen: 9.765 ug/l
RT: 9.84 min Scan# 2566
Delta R.T. -0.00 min
Lab File: VN049783.D
Acq: 12 Jul 2018 21:28

Instrument :
MSVOA_N
ClientSampled :

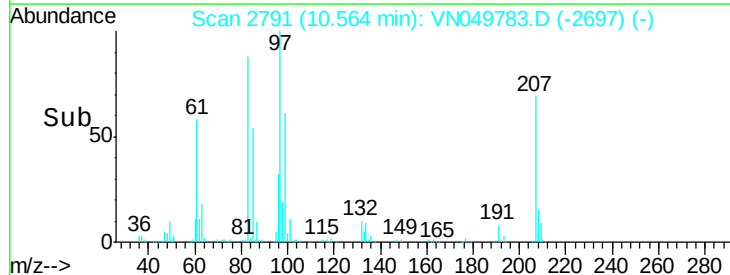
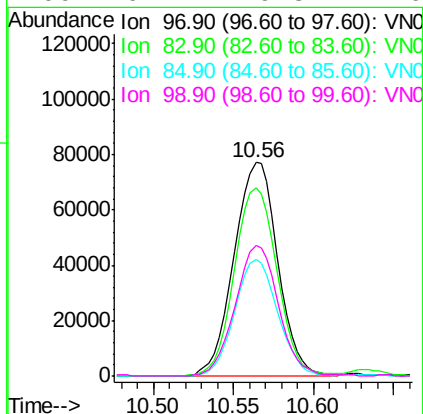
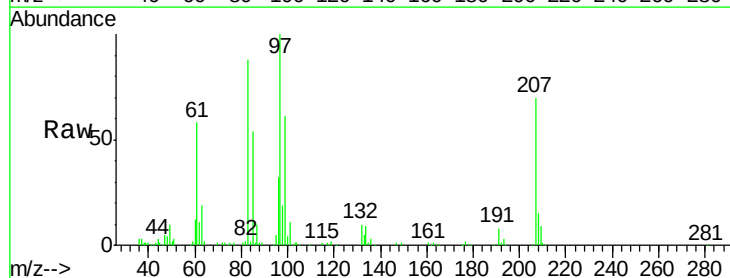
Tot Ion	Ratio	Lower	Upper
75	100		
77	30.5	25.3	37.9
39	46.7	35.5	53.3

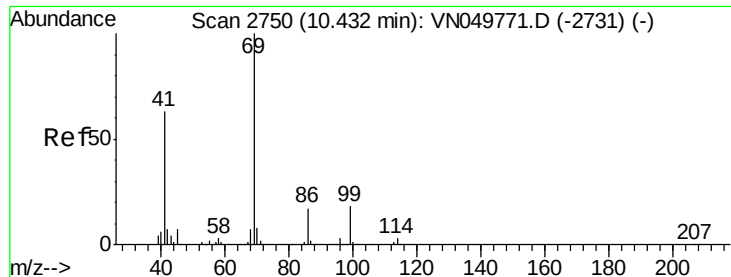


#55

1,1,2-Trichloroethane
Concen: 10.110 ug/l
RT: 10.56 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN049783.D
Acq: 12 Jul 2018 21:28

Tgt Ion	Ratio	Lower	Upper
97	100		
83	87.8	69.0	103.6
85	54.4	44.9	67.3
99	61.4	49.8	74.6





#56

Ethyl methacrylate

Concen: 9.339 ug/l

RT: 10.43 min Scan# 2750

Delta R.T. -0.00 min

Lab File: VN049783.D

Acq: 12 Jul 2018 21:28

Instrument :

MSVOA_N

ClientSampled :

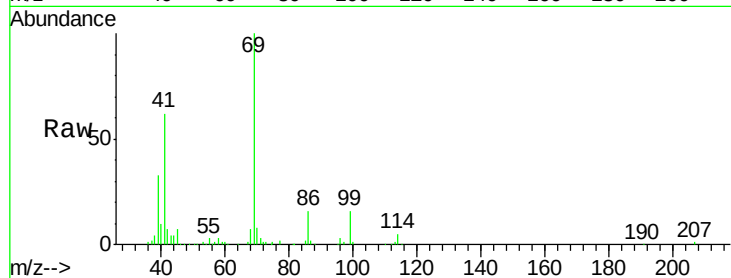
Tot Ion: 69 Resp: 150422

Ion Ratio Lower Upper

69 100

41 62.7 51.6 77.4

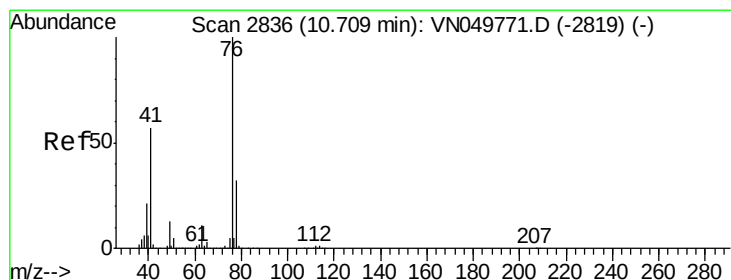
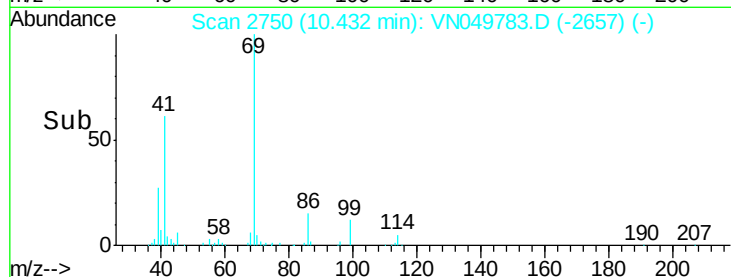
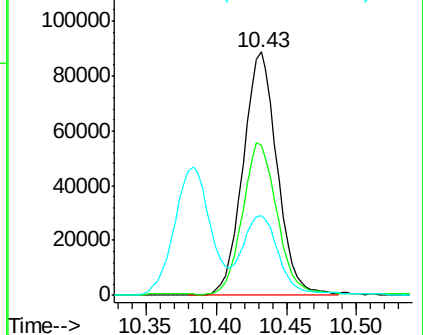
39 33.9 25.8 38.8



Abundance Ion 69.00 (68.70 to 69.70): VN049771.D (-2731) (-)

Ion 41.00 (40.70 to 41.70): VN049771.D (-2731) (-)

Ion 39.00 (38.70 to 39.70): VN049771.D (-2731) (-)



#57

1,3-Dichloropropane

Concen: 9.981 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. -0.00 min

Lab File: VN049783.D

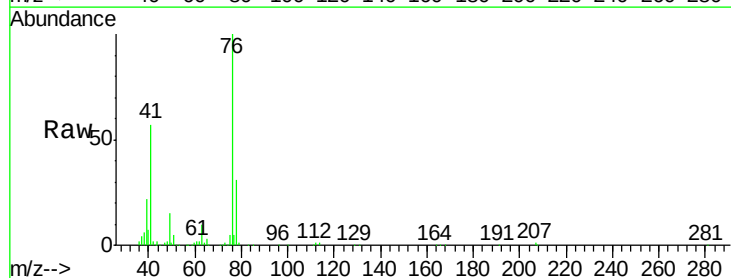
Acq: 12 Jul 2018 21:28

Tgt Ion: 76 Resp: 226913

Ion Ratio Lower Upper

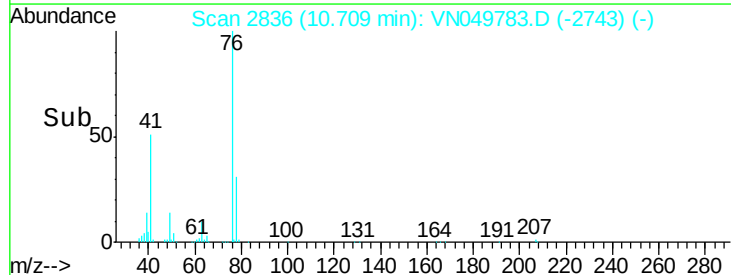
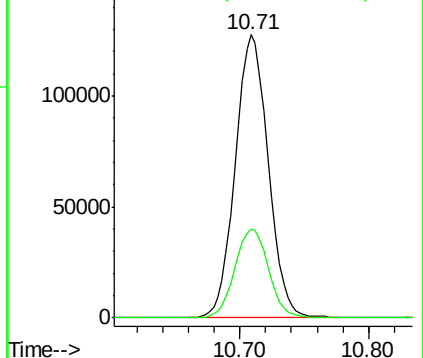
76 100

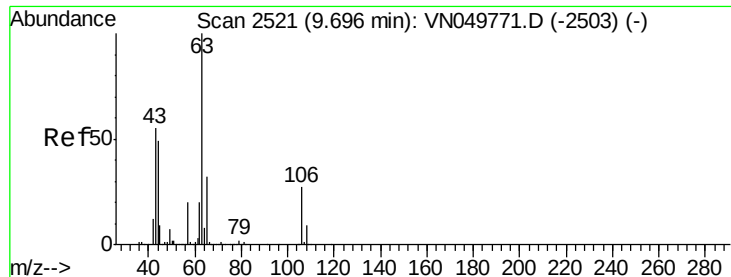
78 32.2 25.8 38.8



Abundance Ion 75.90 (75.60 to 76.60): VN049771.D (-2819) (-)

Ion 77.90 (77.60 to 78.60): VN049771.D (-2819) (-)





#58

2-Chloroethyl vinyl ether

Concen: 45.005 ug/l

RT: 9.70 min Scan# 2522

Delta R.T. 0.00 min

Lab File: VN049783.D

Acq: 12 Jul 2018 21:28

Instrument :

MSVOA_N

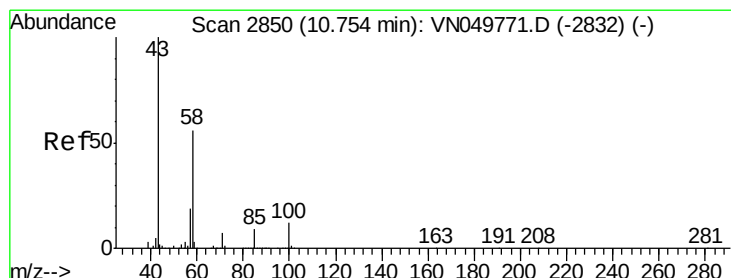
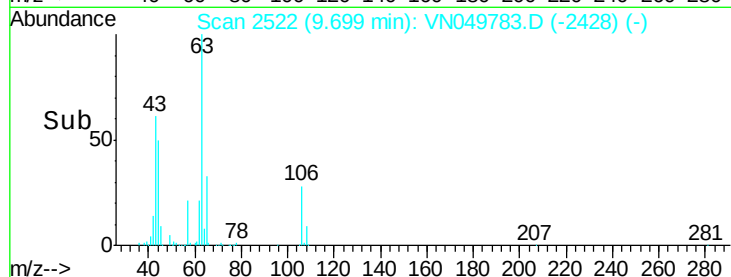
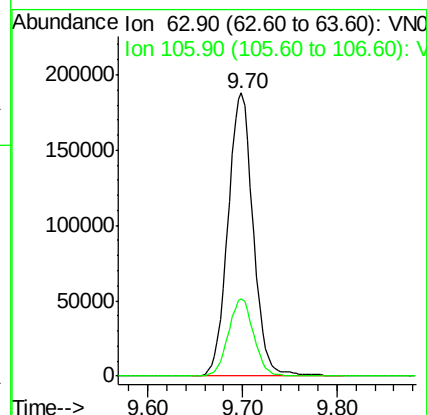
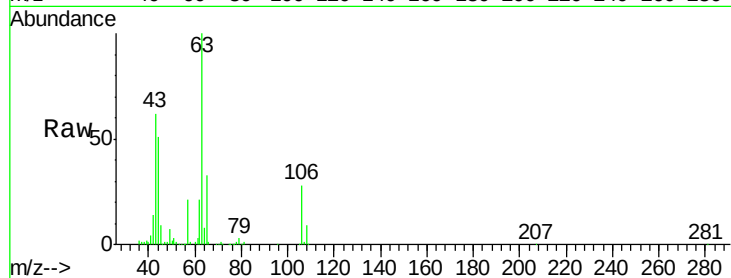
ClientSampled :

Tot Ion: 63 Resp: 347661

Ion Ratio Lower Upper

63 100

106 27.4 21.8 32.8



#59

2-Hexanone

Concen: 45.540 ug/l

RT: 10.75 min Scan# 2850

Delta R.T. -0.00 min

Lab File: VN049783.D

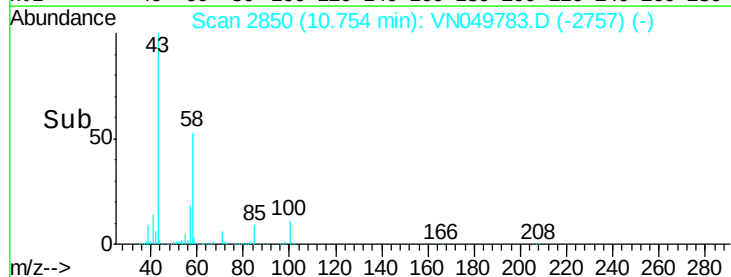
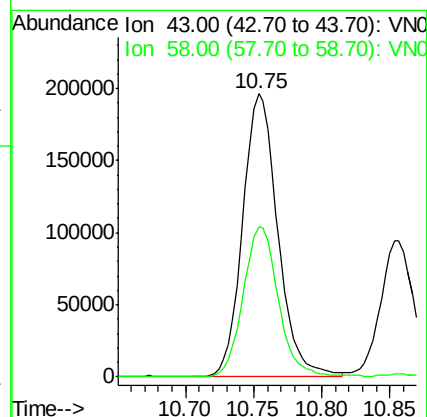
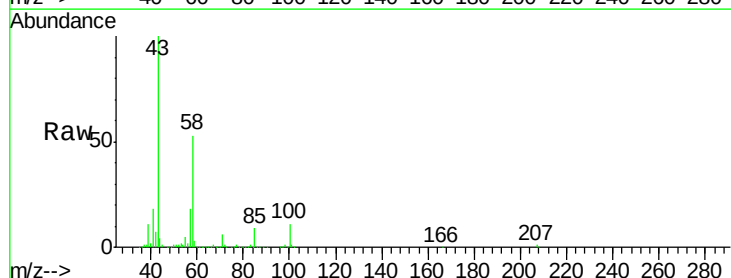
Acq: 12 Jul 2018 21:28

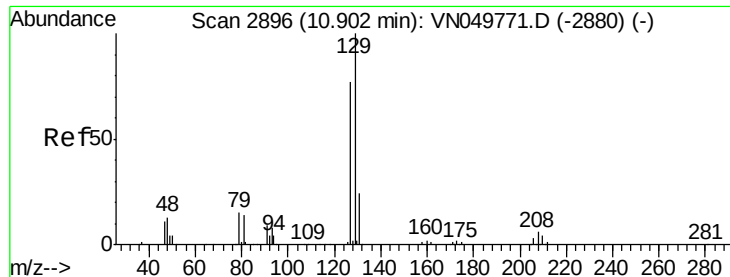
Tgt Ion: 43 Resp: 348566

Ion Ratio Lower Upper

43 100

58 53.7 27.8 83.4





#60

Dibromochloromethane

Concen: 9.627 ug/l

RT: 10.90 min Scan# 2897

Delta R.T. 0.00 min

Lab File: VN049783.D

Acq: 12 Jul 2018 21:28

Instrument :

MSVOA_N

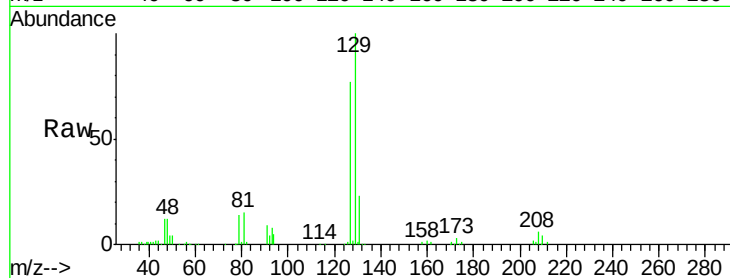
ClientSampleId :

Tot Ion:129 Resp: 150496

Ion Ratio Lower Upper

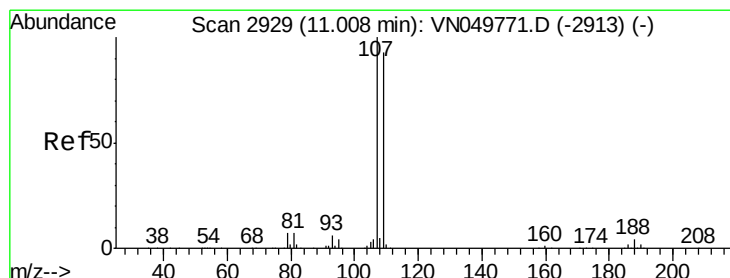
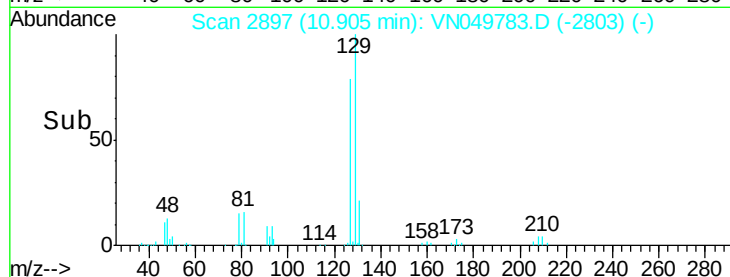
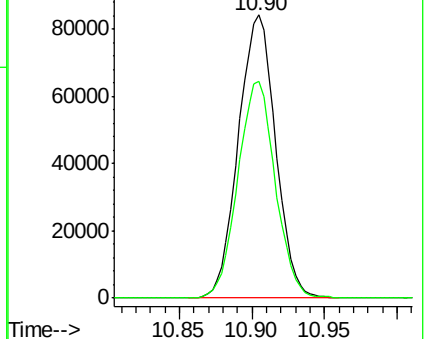
129 100

127 77.1 38.3 114.9



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 9.895 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. -0.00 min

Lab File: VN049783.D

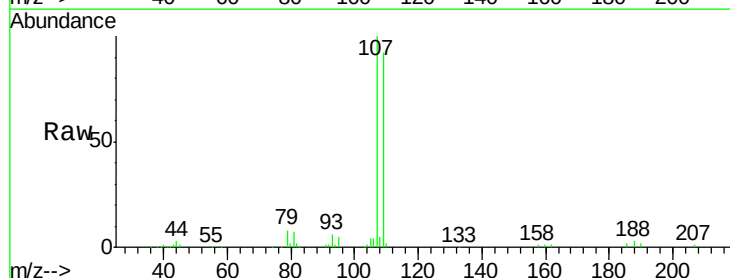
Acq: 12 Jul 2018 21:28

Tgt Ion:107 Resp: 128502

Ion Ratio Lower Upper

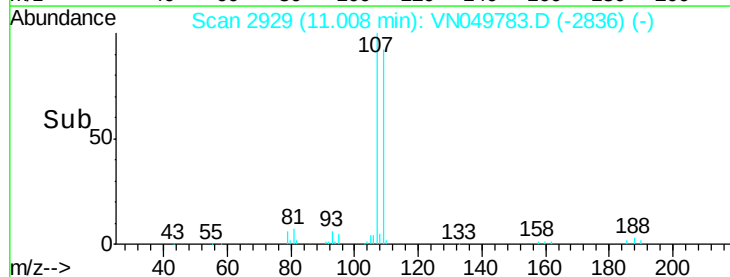
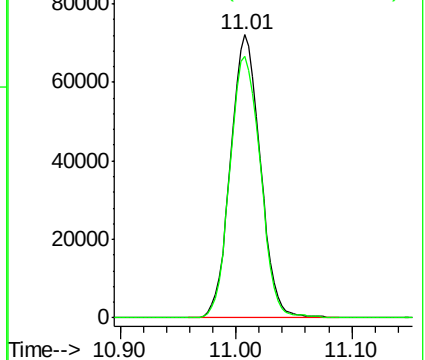
107 100

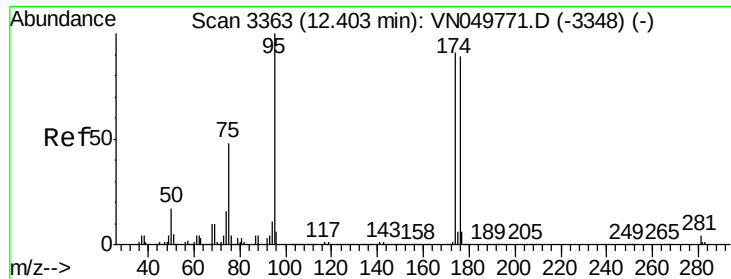
109 94.7 75.0 112.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

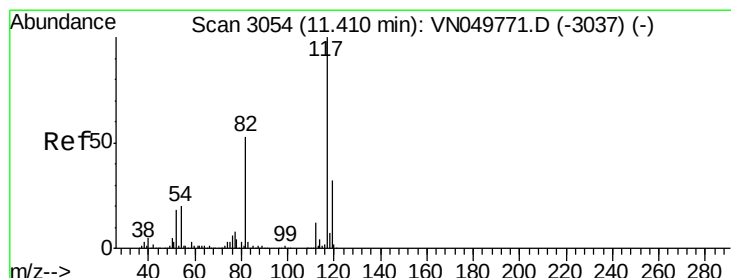
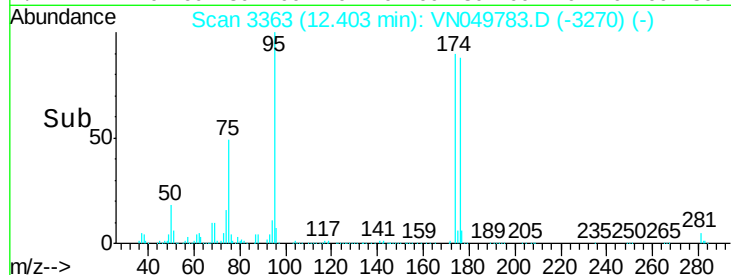
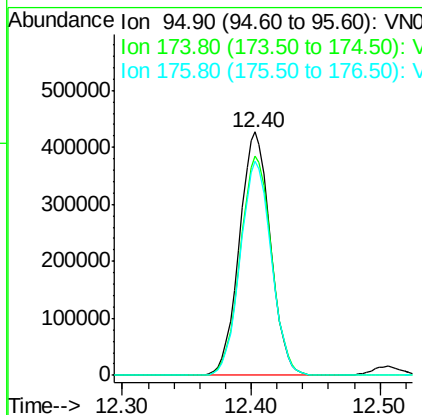
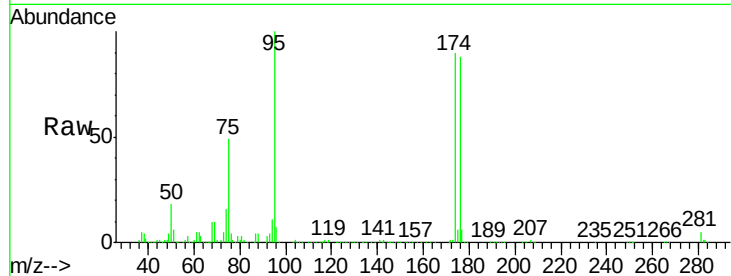




#62
4-Bromofluorobenzene
Concen: 44.740 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. -0.00 min
Lab File: VN049783.D
Acq: 12 Jul 2018 21:28

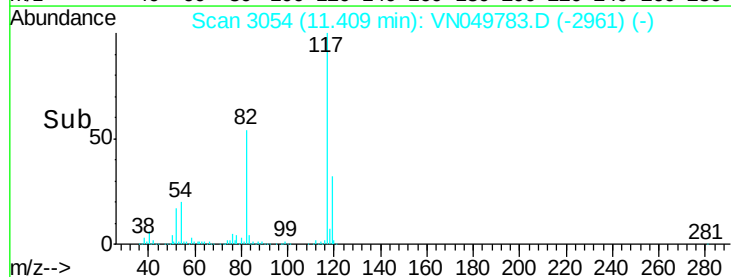
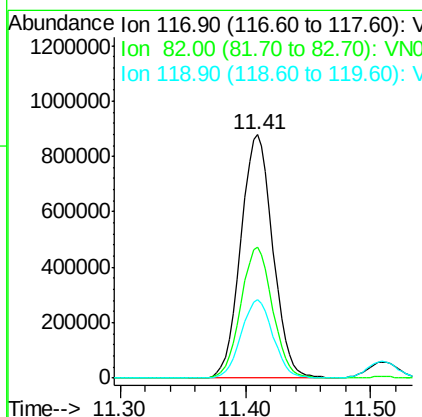
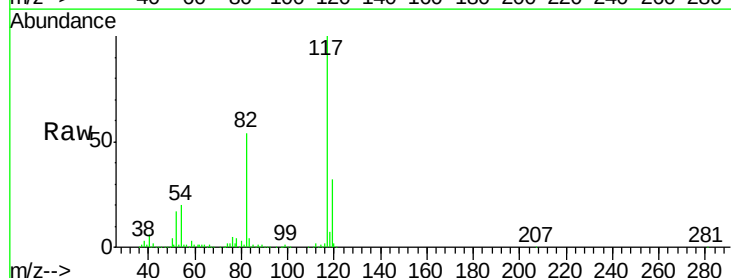
Instrument :
MSVOA_N
ClientSampled :

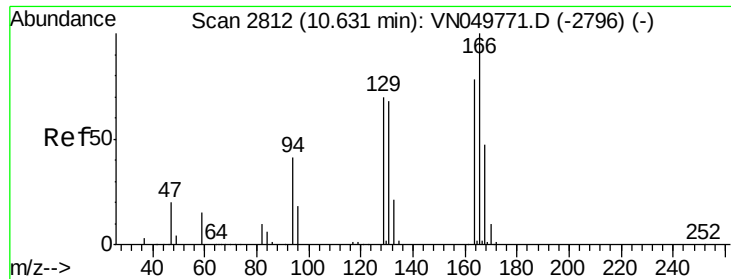
Tot Ion: 95 Resp: 713093
Ion Ratio Lower Upper
95 100
174 91.1 0.0 179.6
176 87.9 0.0 174.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN049783.D
Acq: 12 Jul 2018 21:28

Tgt Ion: 117 Resp: 1564186
Ion Ratio Lower Upper
117 100
82 53.6 41.9 62.9
119 32.1 25.4 38.2

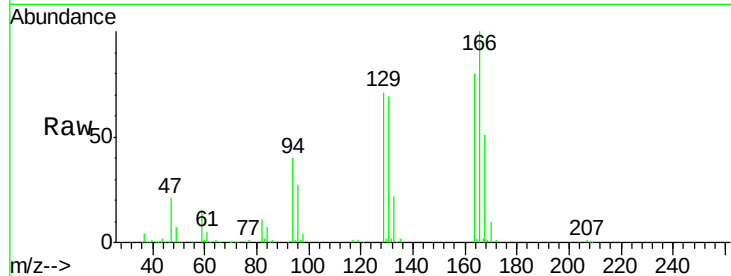




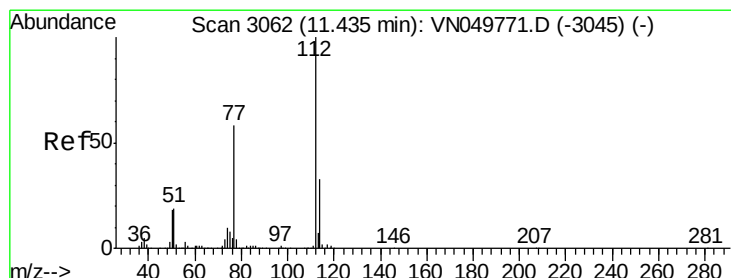
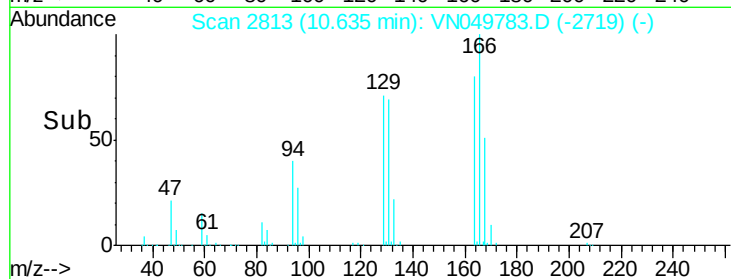
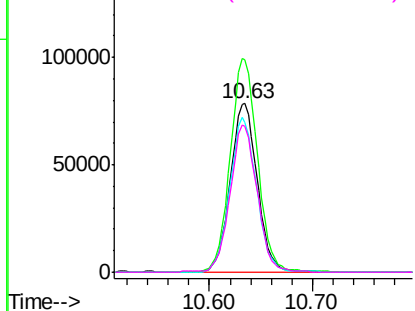
#64
Tetrachloroethene
Concen: 10.126 ug/l
RT: 10.63 min Scan# 2813
Delta R.T. 0.00 min
Lab File: VN049783.D
Acq: 12 Jul 2018 21:28

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:164 Resp: 143814
Ion Ratio Lower Upper
164 100
166 125.8 101.8 152.6
129 89.2 72.8 109.2
131 86.9 70.0 105.0

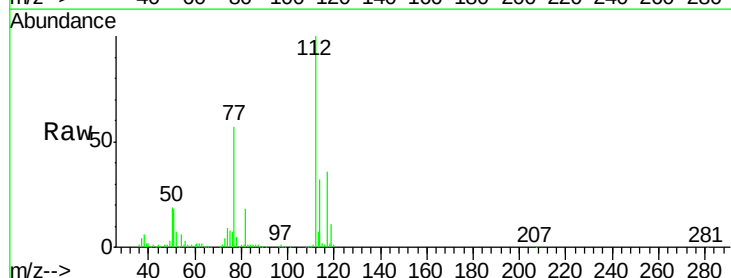


Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

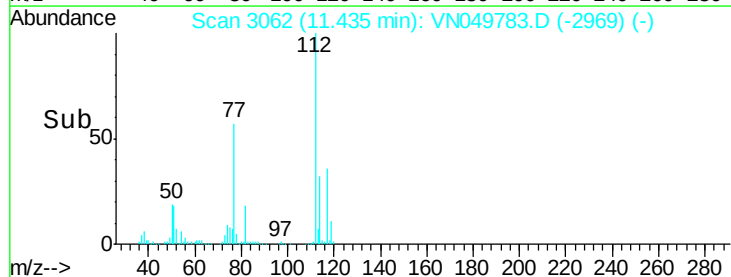
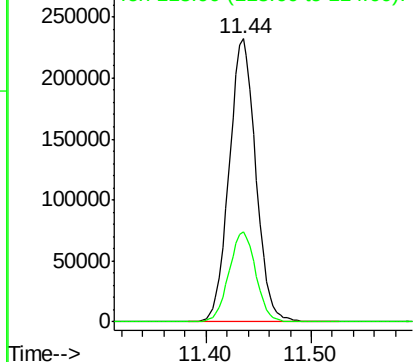


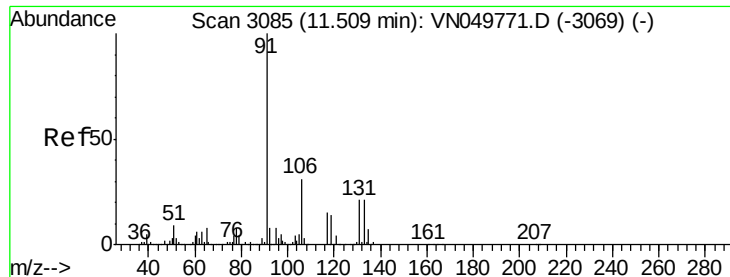
#65
Chlorobenzene
Concen: 9.939 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN049783.D
Acq: 12 Jul 2018 21:28

Tgt Ion:112 Resp: 405013
Ion Ratio Lower Upper
112 100
114 31.7 25.4 38.0



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V





#66

1,1,1,2-Tetrachloroethane

Concen: 10.112 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. -0.00 min

Lab File: VN049783.D

Acq: 12 Jul 2018 21:28

Instrument :

MSVOA_N

ClientSampleId :

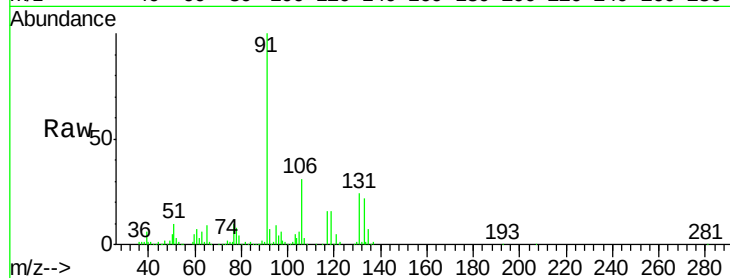
Tot Ion:131 Resp: 155036

Ion Ratio Lower Upper

131 100

133 95.2 47.5 142.6

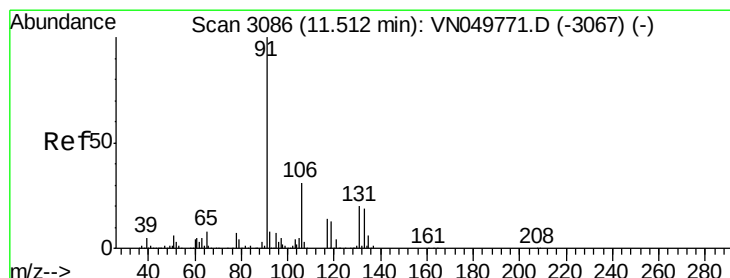
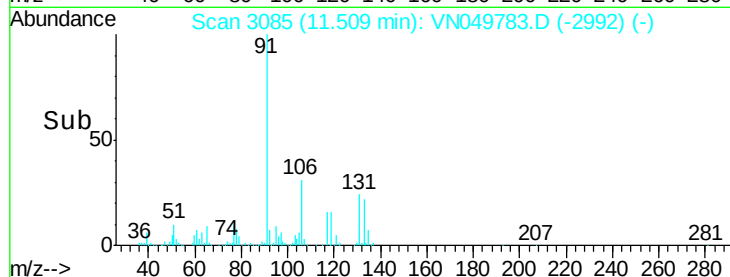
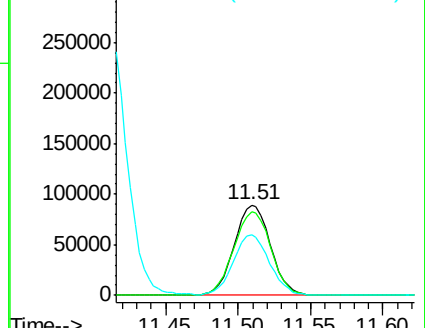
119 67.4 33.1 99.3



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V



#67

Ethyl Benzene

Concen: 9.570 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. -0.00 min

Lab File: VN049783.D

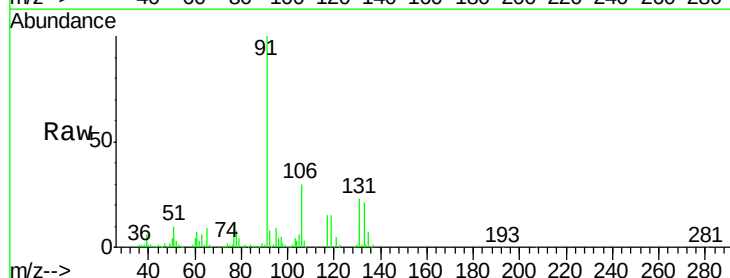
Acq: 12 Jul 2018 21:28

Tgt Ion: 91 Resp: 638580

Ion Ratio Lower Upper

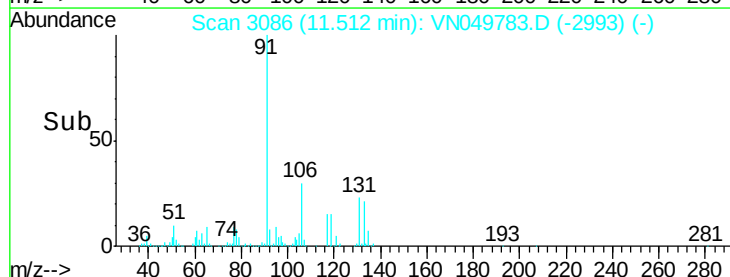
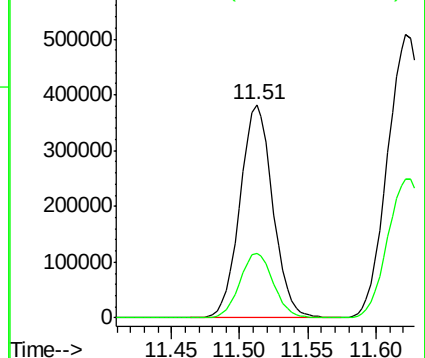
91 100

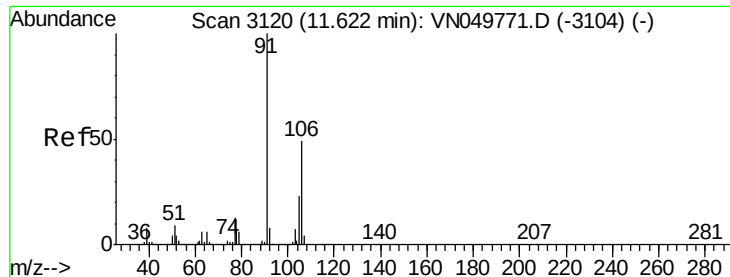
106 30.4 24.8 37.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V

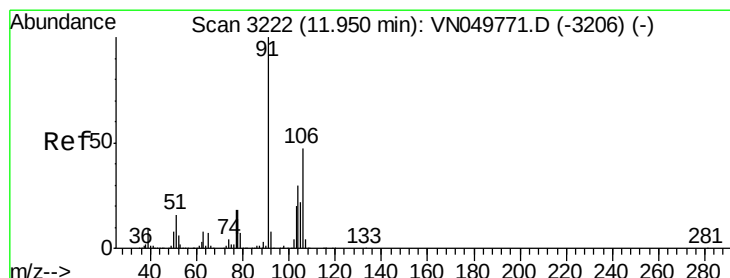
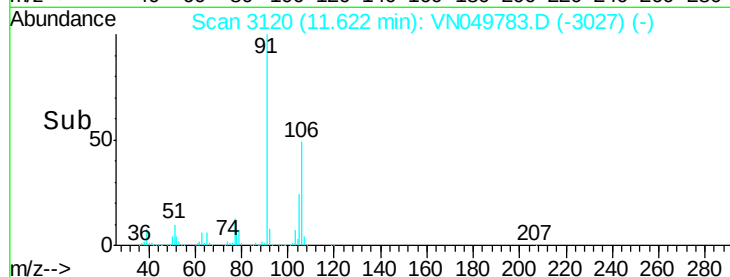
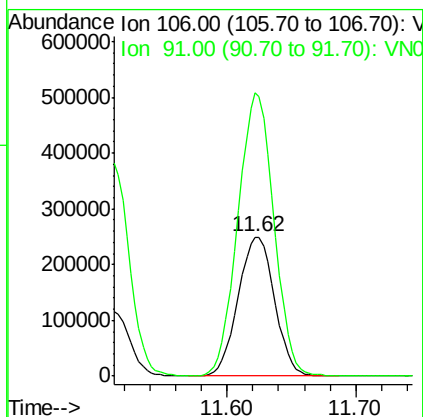
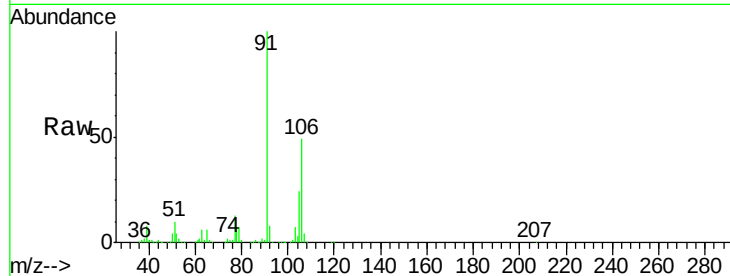




#68
m/p-Xylenes
Concen: 19.569 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. -0.00 min
Lab File: VN049783.D
Acq: 12 Jul 2018 21:28

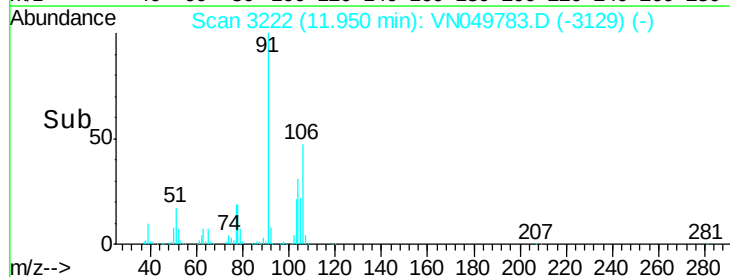
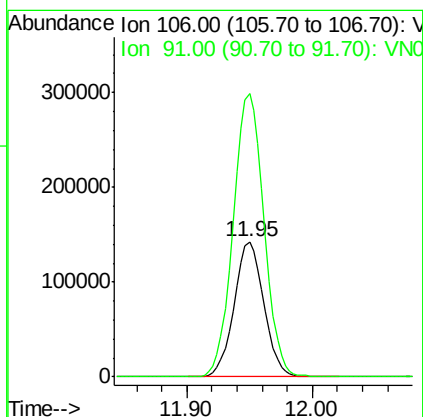
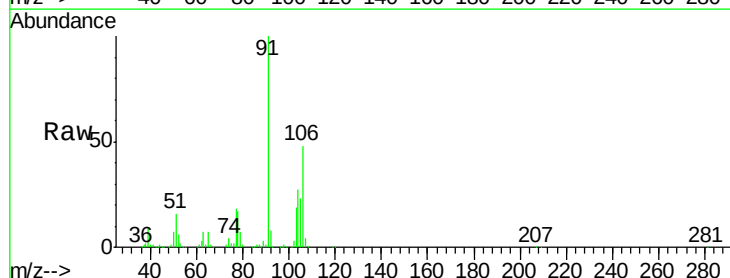
Instrument :
MSVOA_N
ClientSampleId :

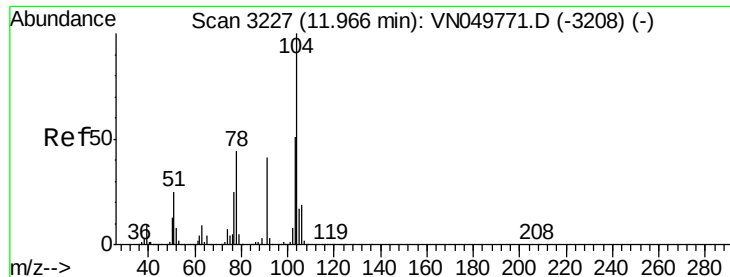
Tot Ion:106 Resp: 490122
Ion Ratio Lower Upper
106 100
91 200.9 163.4 245.2



#69
o-Xylene
Concen: 9.663 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. -0.00 min
Lab File: VN049783.D
Acq: 12 Jul 2018 21:28

Tgt Ion:106 Resp: 233802
Ion Ratio Lower Upper
106 100
91 217.7 108.7 326.1





#70

Stvrene

Concen: 9.630 ug/l

RT: 11.97 min Scan# 3227

Delta R.T. -0.00 min

Lab File: VN049783.D

Acq: 12 Jul 2018 21:28

Instrument :

MSVOA_N

ClientSampled :

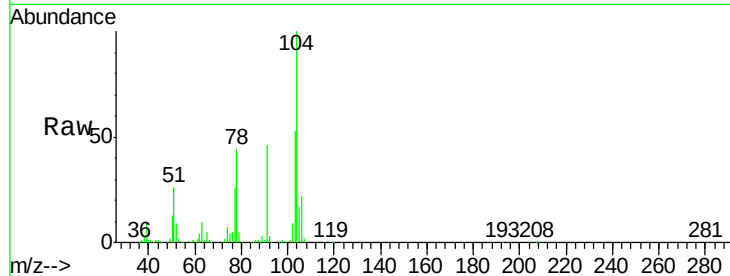
Tot Ion:104 Resp: 370091

Ion Ratio Lower Upper

104 100

78 49.5 39.2 58.8

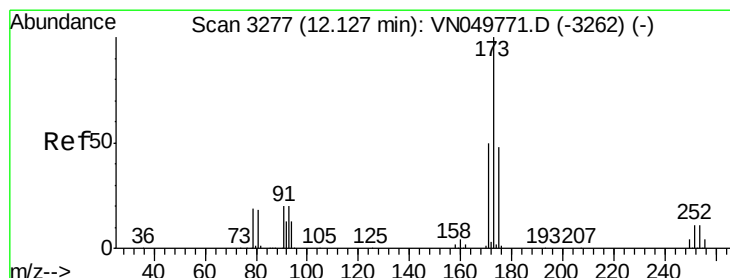
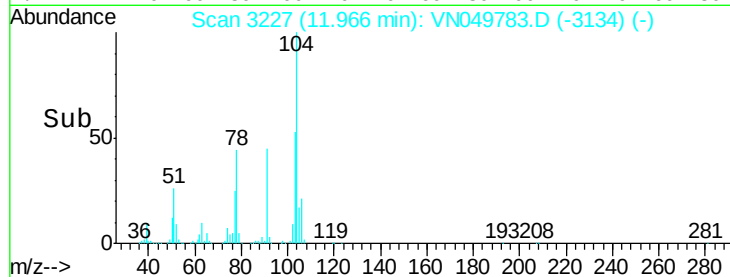
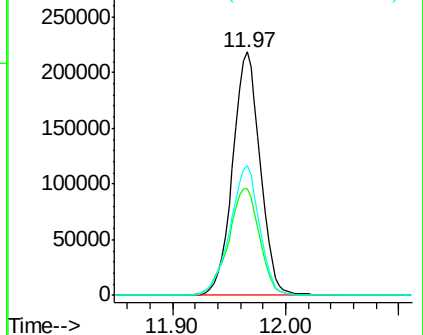
103 56.9 44.6 67.0



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): V

Ion 103.00 (102.70 to 103.70): V



#71

Bromoform

Concen: 9.541 ug/l

RT: 12.13 min Scan# 3277

Delta R.T. -0.00 min

Lab File: VN049783.D

Acq: 12 Jul 2018 21:28

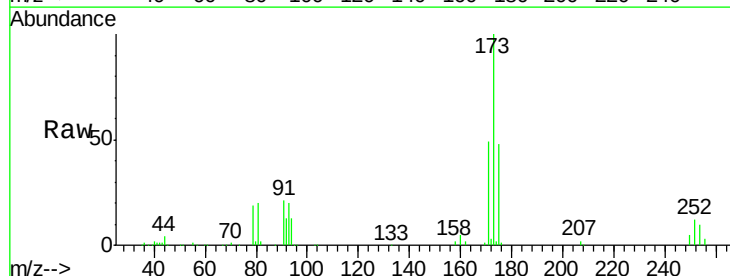
Tgt Ion:173 Resp: 98834

Ion Ratio Lower Upper

173 100

175 49.7 24.6 73.8

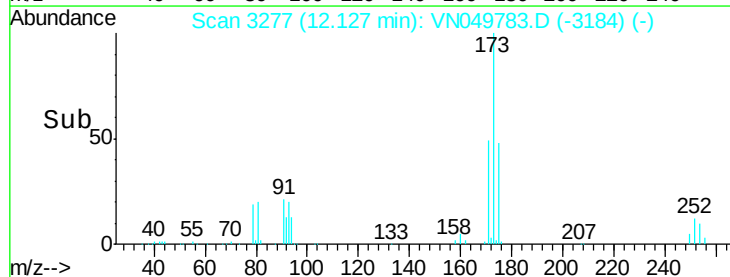
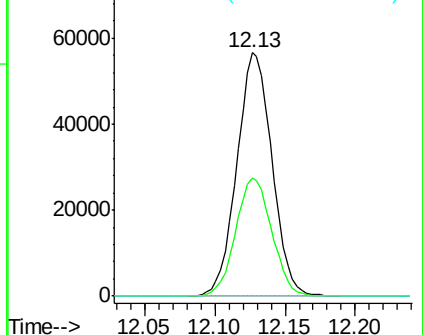
254 0.0 0.2 0.2#

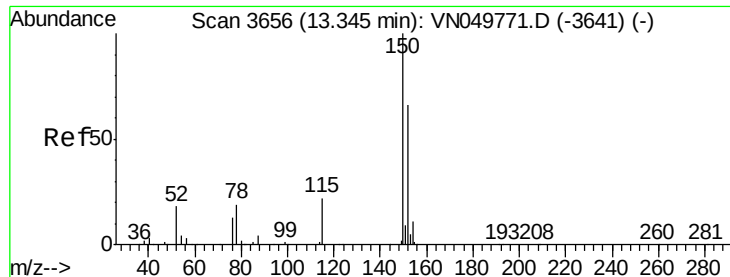


Abundance Ion 172.70 (172.40 to 173.40): V

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: VN049783.D

Acq: 12 Jul 2018 21:28

Instrument :

MSVOA_N

ClientSampleId :

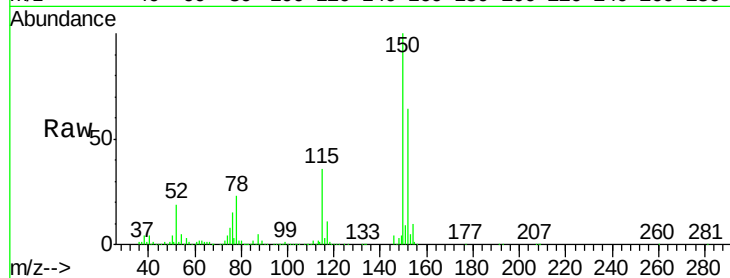
Tot Ion:152 Resp: 748110

Ion Ratio Lower Upper

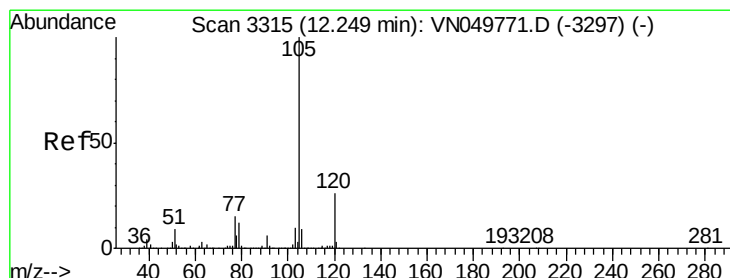
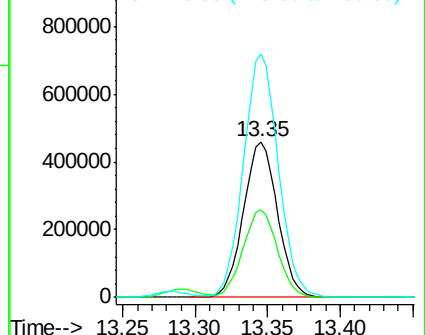
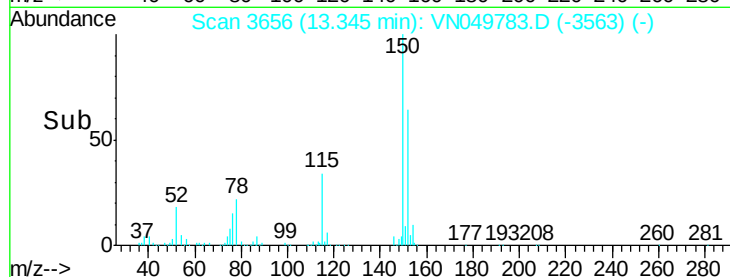
152 100

115 56.6 28.1 84.2

150 160.6 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: 10.174 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN049783.D

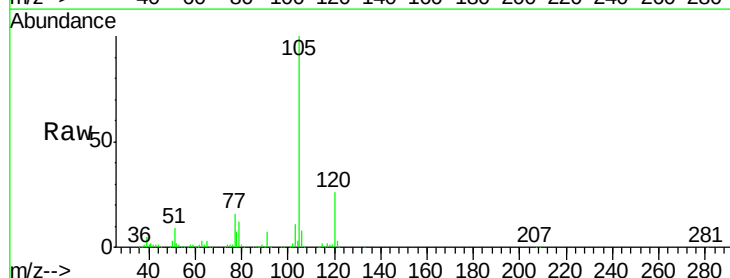
Acq: 12 Jul 2018 21:28

Tgt Ion:105 Resp: 632529

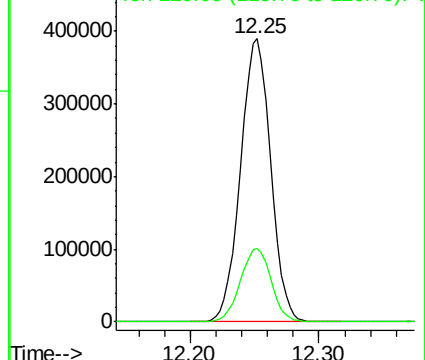
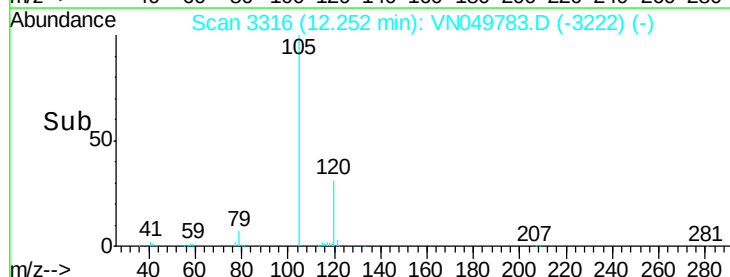
Ion Ratio Lower Upper

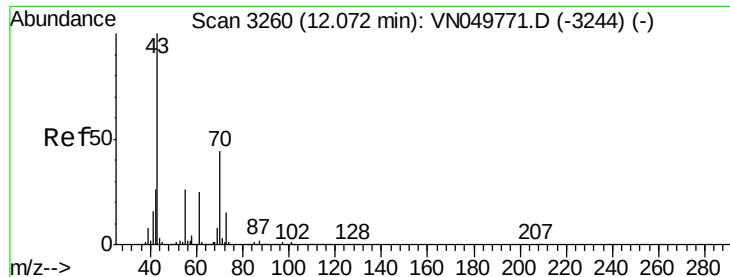
105 100

120 26.5 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-amyl acetate

Concen: 9.856 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. -0.00 min

Lab File: VN049783.D

Acq: 12 Jul 2018 21:28

Instrument :

MSVOA_N

ClientSampled :

Tot Ion: 43 Resp: 159404

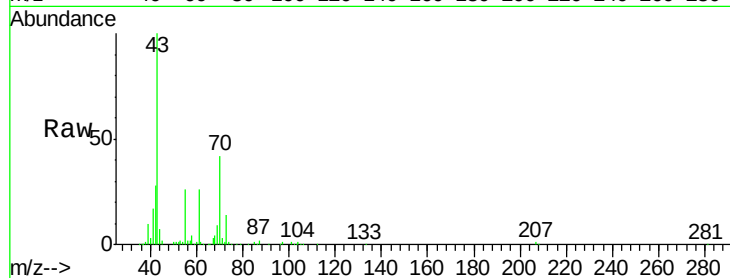
Ion Ratio Lower Upper

43 100

70 42.4 34.8 52.2

55 27.2 20.9 31.3

61 25.1 19.9 29.9

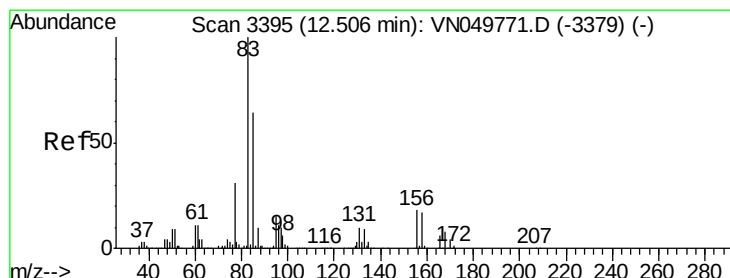
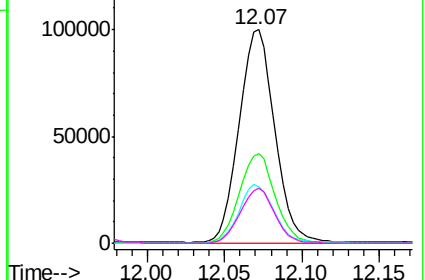
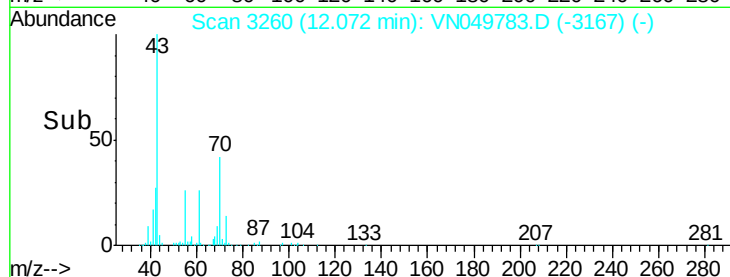


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#75

1,1,2,2-Tetrachloroethane

Concen: 10.157 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. -0.00 min

Lab File: VN049783.D

Acq: 12 Jul 2018 21:28

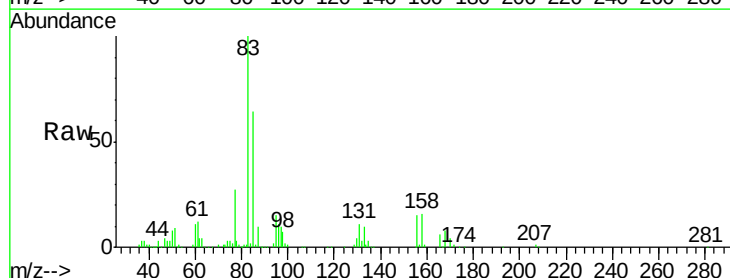
Tgt Ion: 83 Resp: 167954

Ion Ratio Lower Upper

83 100

131 10.2 5.2 15.6

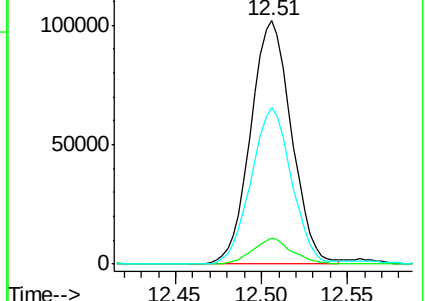
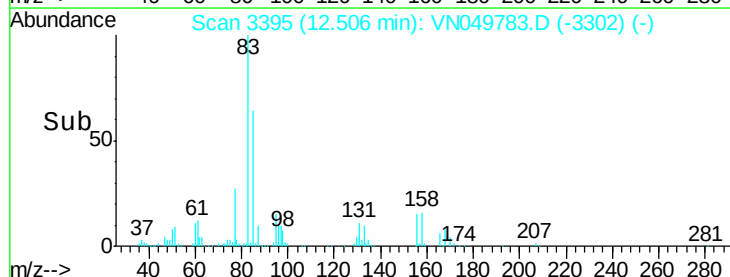
85 63.8 32.5 97.4

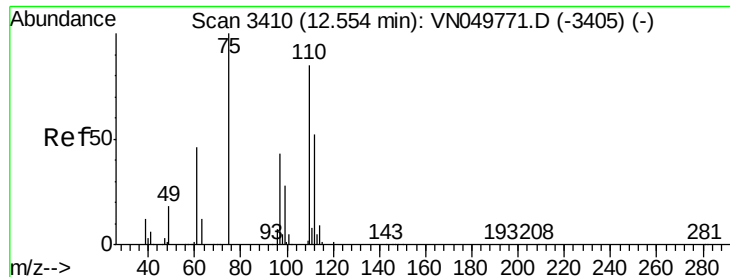


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VN0





#76

1,2,3-Trichloropropane

Concen: 14.402 ug/l

RT: 12.55 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN049783.D

Acq: 12 Jul 2018 21:28

Instrument :

MSVOA_N

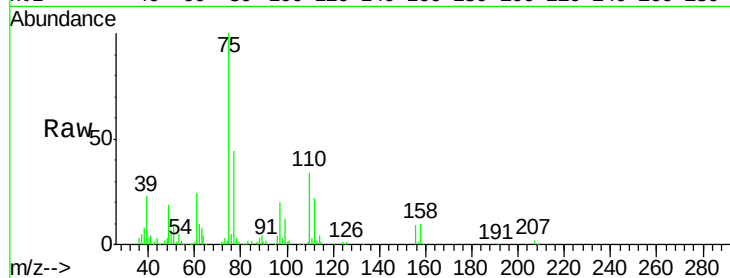
ClientSampleId :

Tot Ion: 75 Resp: 191402

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) (-)

150000

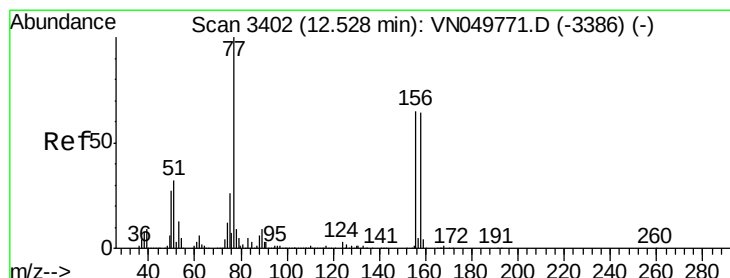
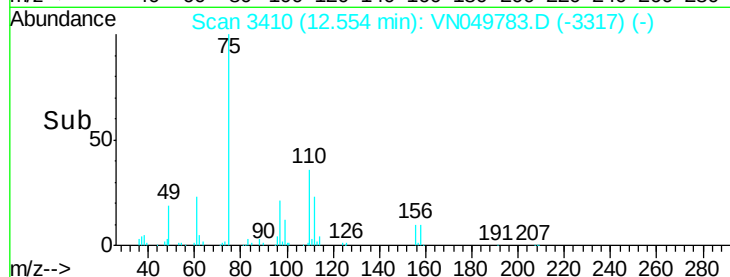
100000

50000

0

12.50 12.55 12.60

Time-->



#77

Bromobenzene

Concen: 10.261 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. -0.00 min

Lab File: VN049783.D

Acq: 12 Jul 2018 21:28

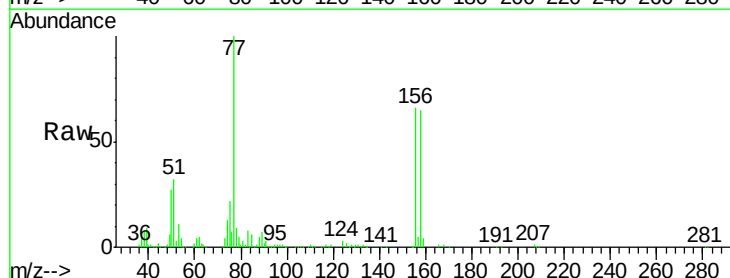
Tgt Ion: 156 Resp: 169246

Ion Ratio Lower Upper

156 100

77 177.8 90.2 270.6

158 97.7 49.1 147.3



Abundance Ion 155.80 (155.50 to 156.50): VN049771.D (-3386) (-)

Ion 77.00 (76.70 to 77.70): VN049771.D (-3386) (-)

Ion 157.80 (157.50 to 158.50): VN049771.D (-3386) (-)

200000

150000

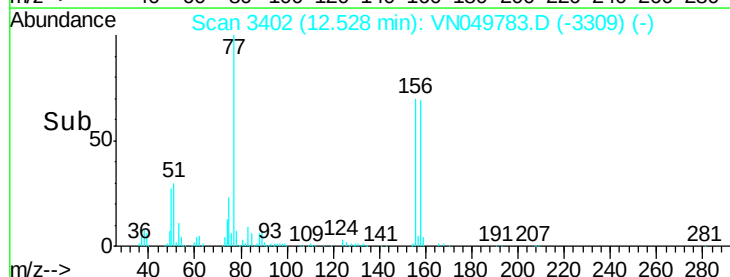
100000

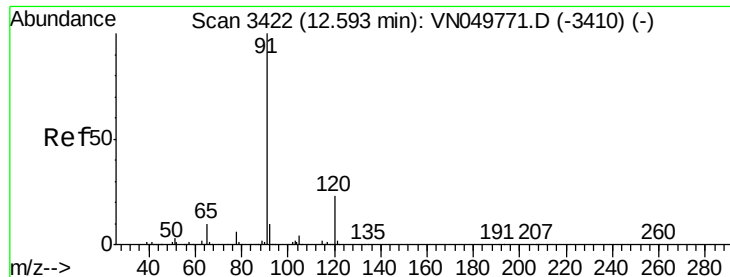
50000

0

12.45 12.50 12.55 12.60

Time-->





#78

n-propylbenzene

Concen: 10.132 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. -0.00 min

Lab File: VN049783.D

Acq: 12 Jul 2018 21:28

Instrument :

MSVOA_N

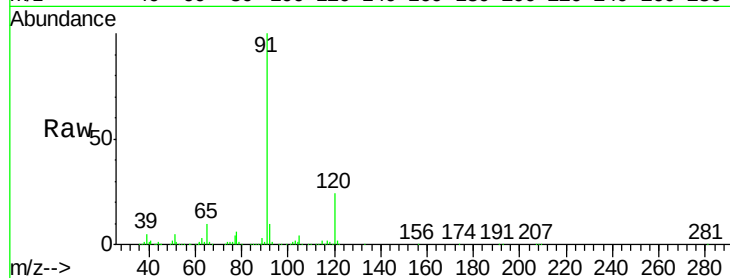
ClientSampled :

Tot Ion: 91 Resp: 710264

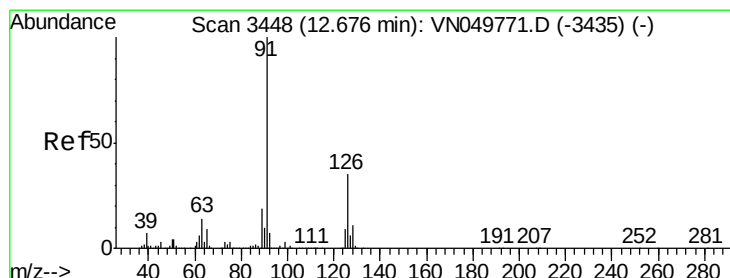
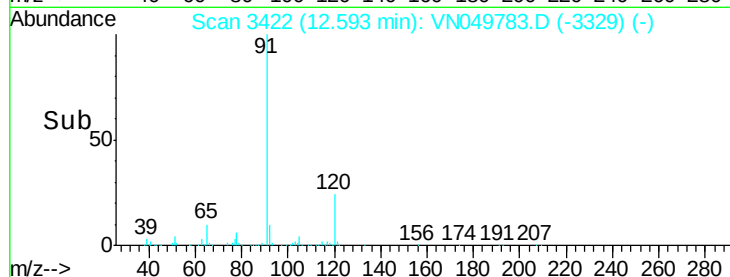
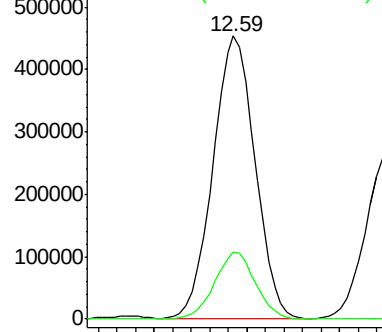
Ion Ratio Lower Upper

91 100

120 23.1 11.5 34.4



Abundance Ion 91.00 (90.70 to 91.70): VN049771.D (-3410) (-)



#79

2-Chlorotoluene

Concen: 10.379 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. -0.00 min

Lab File: VN049783.D

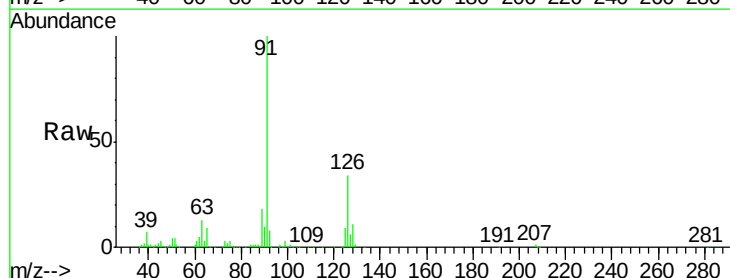
Acq: 12 Jul 2018 21:28

Tgt Ion: 91 Resp: 445251

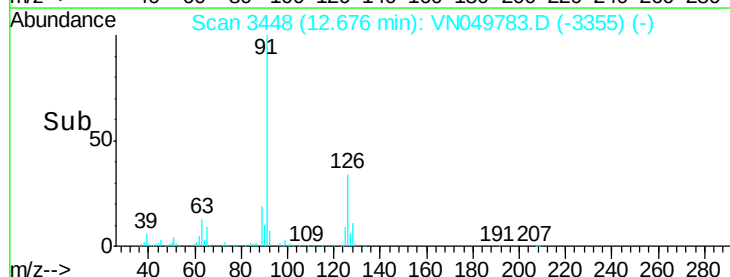
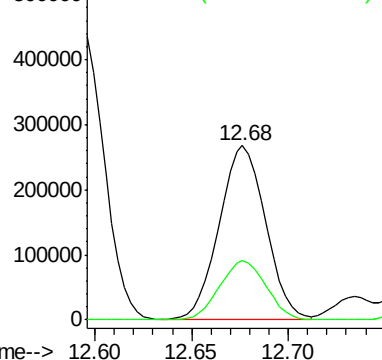
Ion Ratio Lower Upper

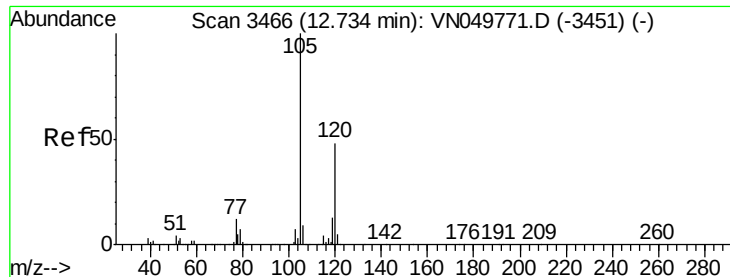
91 100

126 34.4 17.5 52.5



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





#80

1,3,5-Trimethylbenzene

Concen: 10.253 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. -0.00 min

Lab File: VN049783.D

Acq: 12 Jul 2018 21:28

Instrument :

MSVOA_N

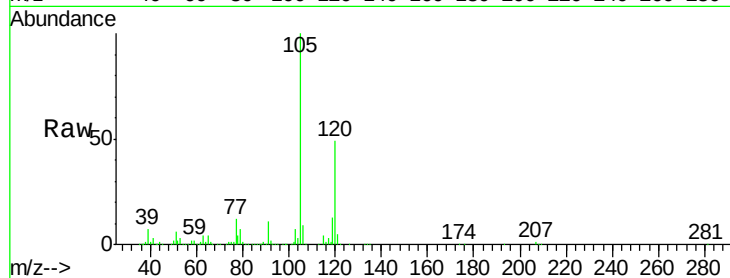
ClientSampled :

Tot Ion:105 Resp: 506562

Ion Ratio Lower Upper

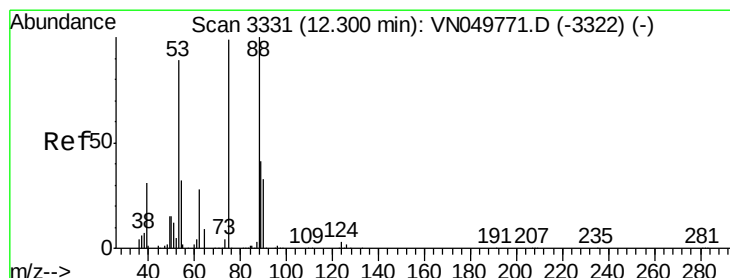
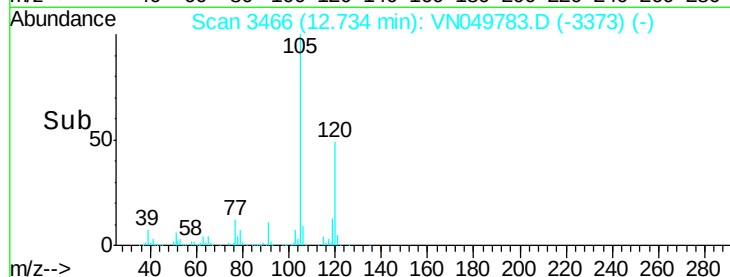
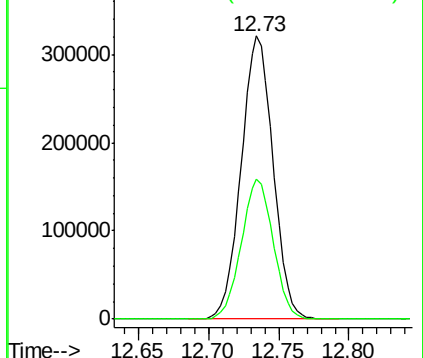
105 100

120 49.6 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 8.837 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN049783.D

Acq: 12 Jul 2018 21:28

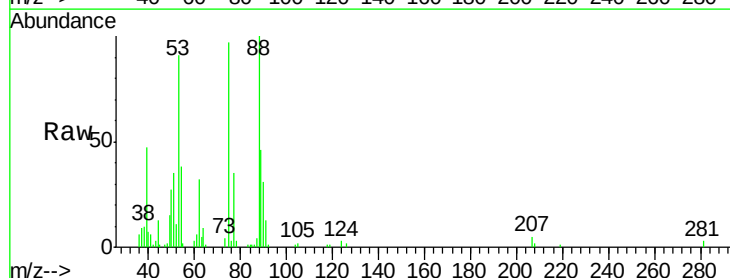
Tgt Ion: 75 Resp: 36369

Ion Ratio Lower Upper

75 100

53 97.6 73.9 110.9

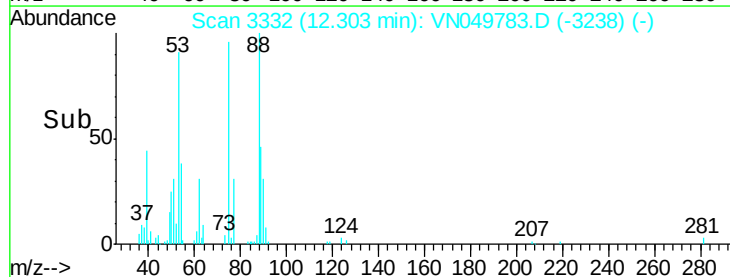
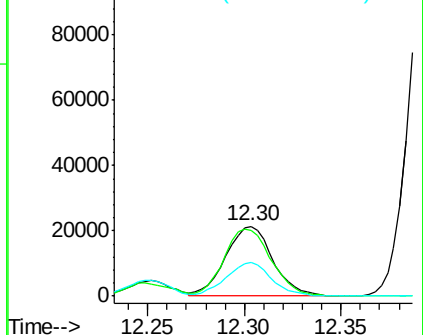
89 46.8 35.9 53.9

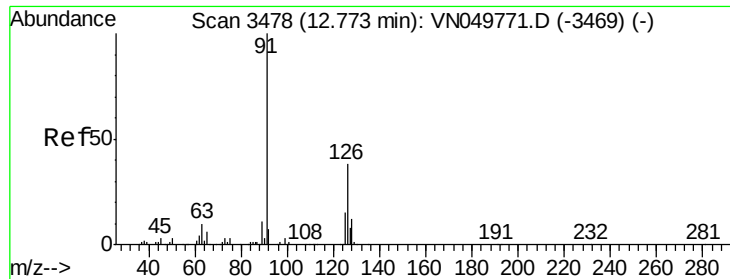


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

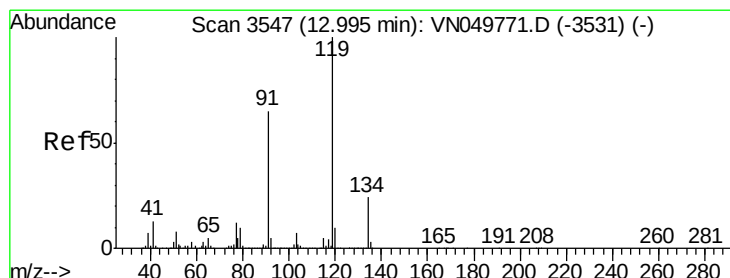
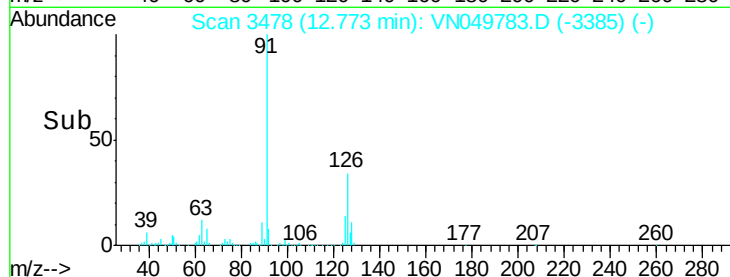
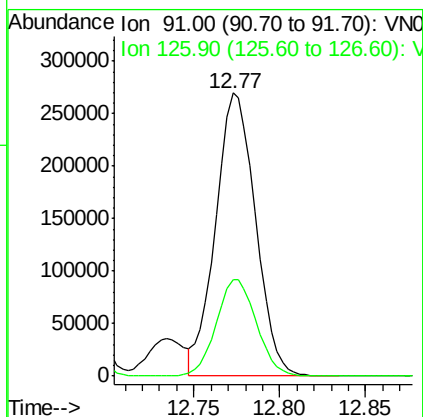
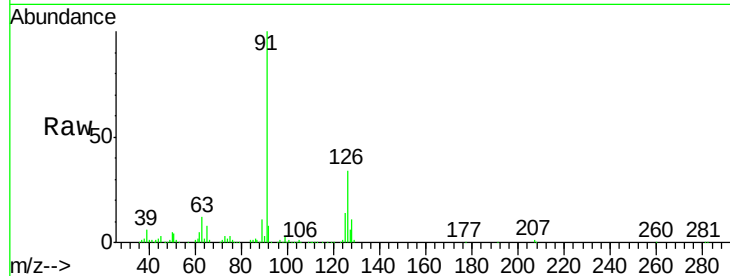




#82
4-Chlorotoluene
Concen: 10.241 ug/l
RT: 12.77 min Scan# 3478
Delta R.T. -0.00 min
Lab File: VN049783.D
Acq: 12 Jul 2018 21:28

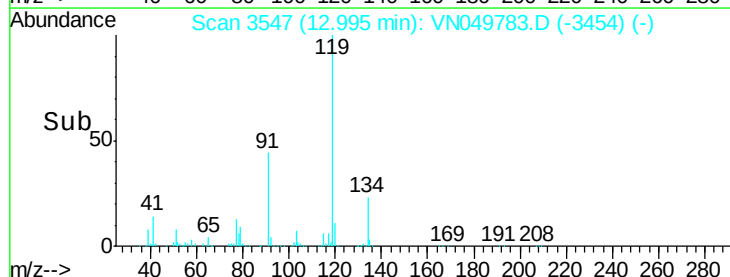
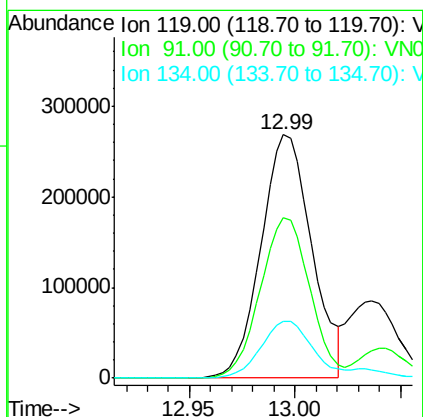
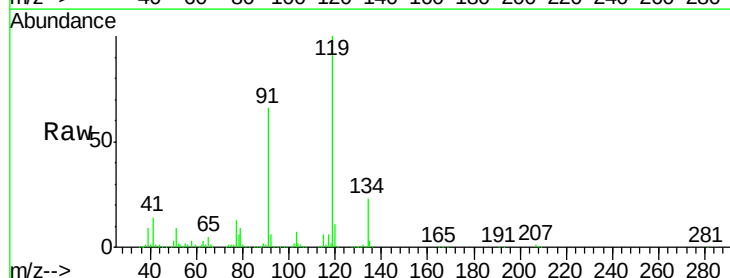
Instrument :
MSVOA_N
ClientSampleId :

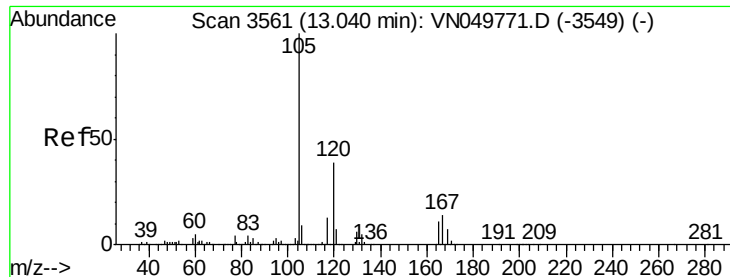
Tot Ion: 91 Resp: 435759
Ion Ratio Lower Upper
91 100
126 34.5 17.2 51.6



#83
tert-Butylbenzene
Concen: 10.176 ug/l
RT: 12.99 min Scan# 3547
Delta R.T. -0.00 min
Lab File: VN049783.D
Acq: 12 Jul 2018 21:28

Tgt Ion: 119 Resp: 449870
Ion Ratio Lower Upper
119 100
91 64.6 32.0 96.2
134 23.7 12.8 38.4

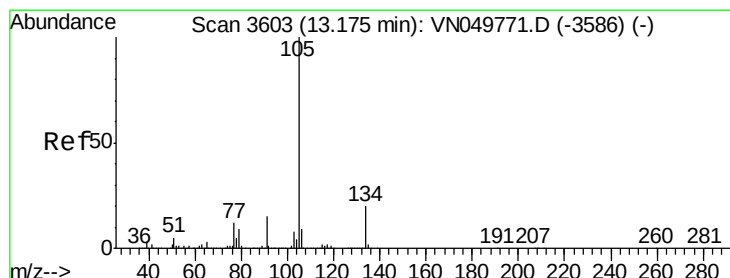
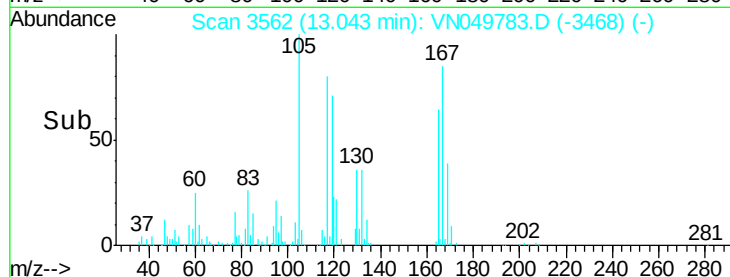
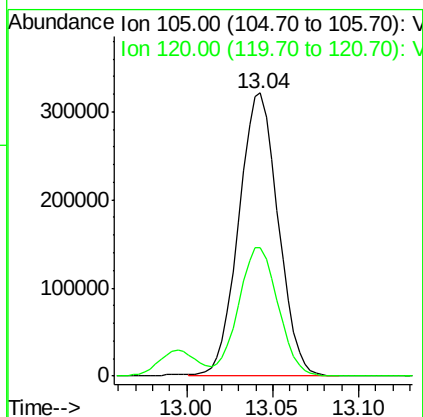
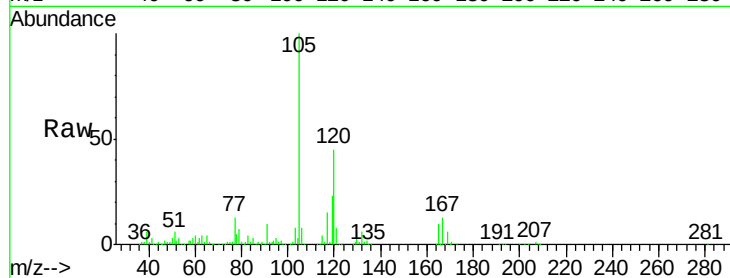




#84
 1,2,4-Trimethylbenzene
 Concen: 10.279 ug/l
 RT: 13.04 min Scan# 3562
 Delta R.T. 0.00 min
 Lab File: VN049783.D
 Acq: 12 Jul 2018 21:28

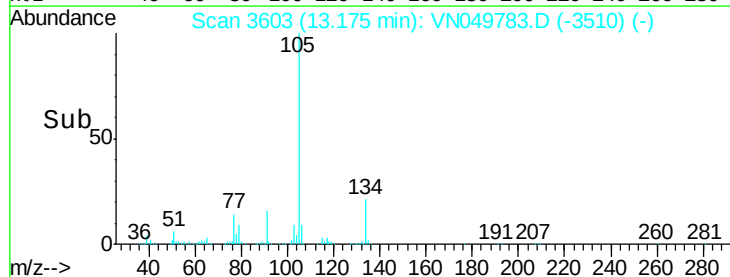
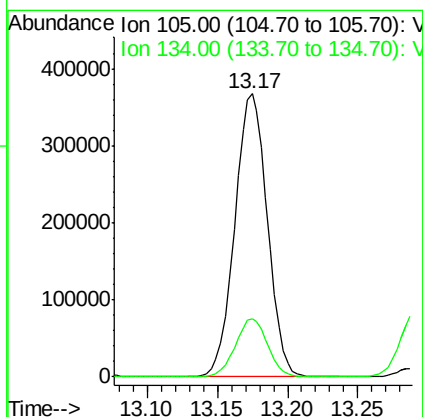
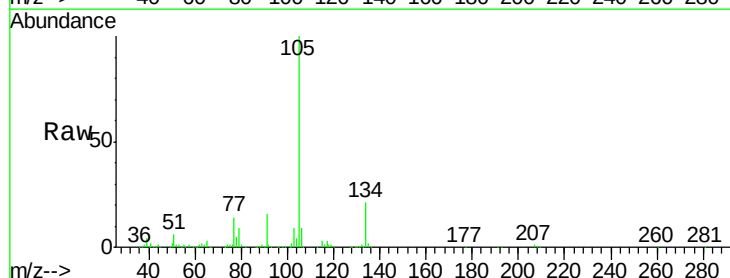
Instrument :
 MSVOA_N
 ClientSampled :

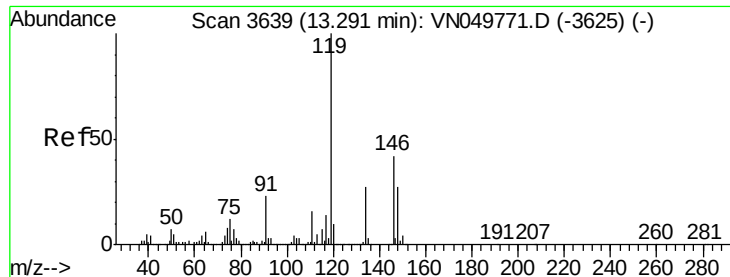
Tot Ion:105 Resp: 509347
 Ion Ratio Lower Upper
 105 100
 120 45.9 22.7 68.1



#85
 sec-Butylbenzene
 Concen: 10.193 ug/l
 RT: 13.17 min Scan# 3603
 Delta R.T. -0.00 min
 Lab File: VN049783.D
 Acq: 12 Jul 2018 21:28

Tgt Ion:105 Resp: 590544
 Ion Ratio Lower Upper
 105 100
 134 20.5 10.1 30.1

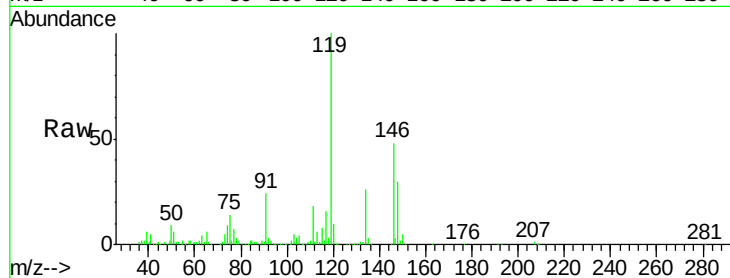




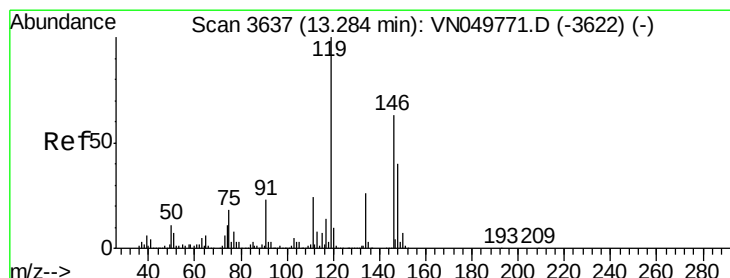
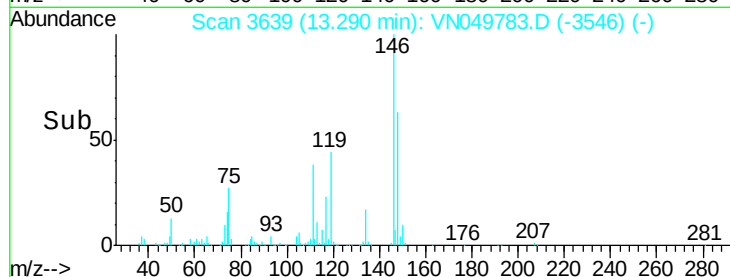
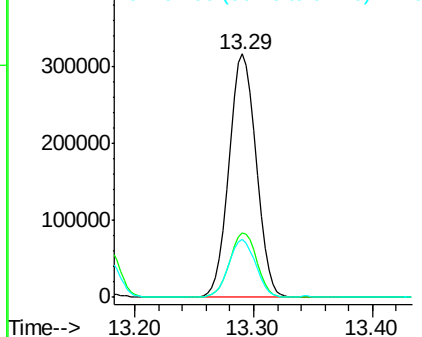
#86
 p-Isopropyltoluene
 Concen: 10.197 ug/l
 RT: 13.29 min Scan# 3639
 Delta R.T. -0.00 min
 Lab File: VN049783.D
 Acq: 12 Jul 2018 21:28

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.6	13.3	39.9
91	23.4	11.4	34.1

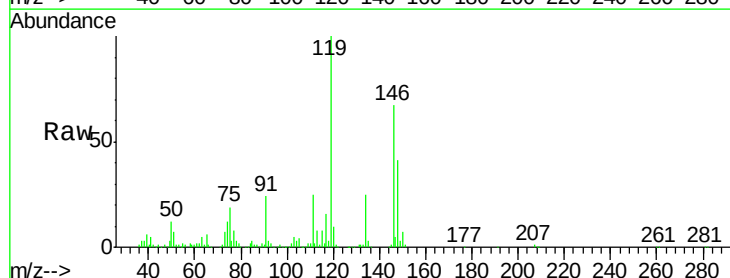


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 134.00 (133.70 to 134.70): V
 Ion 91.00 (90.70 to 91.70): V

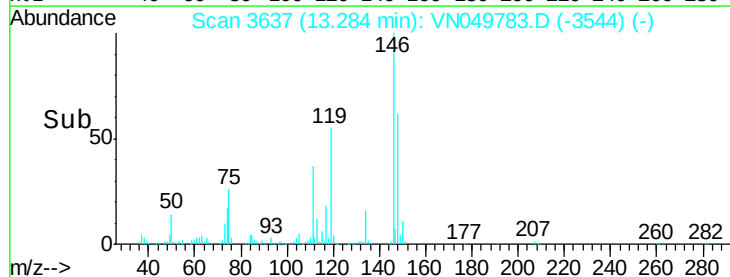
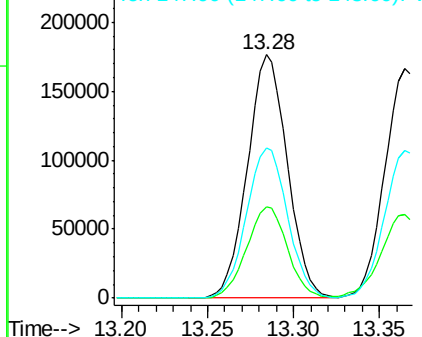


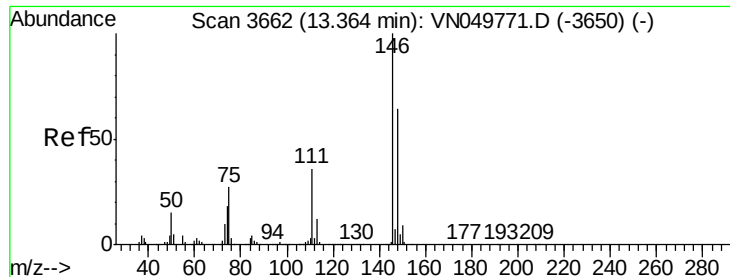
#87
 1,3-Dichlorobenzene
 Concen: 9.926 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. -0.00 min
 Lab File: VN049783.D
 Acq: 12 Jul 2018 21:28

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.1	19.0	57.0
148	63.5	32.5	97.5



Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V





#88

1,4-Dichlorobenzene

Concen: 10.014 ug/l

RT: 13.36 min Scan# 3662

Delta R.T. -0.00 min

Lab File: VN049783.D

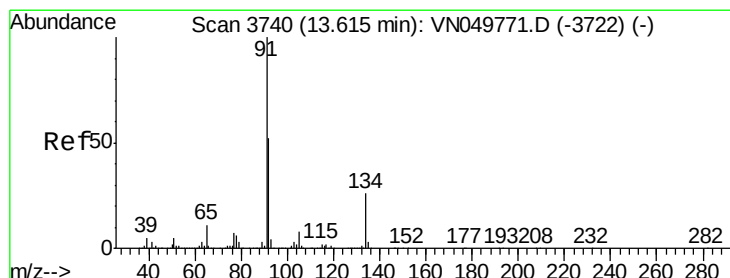
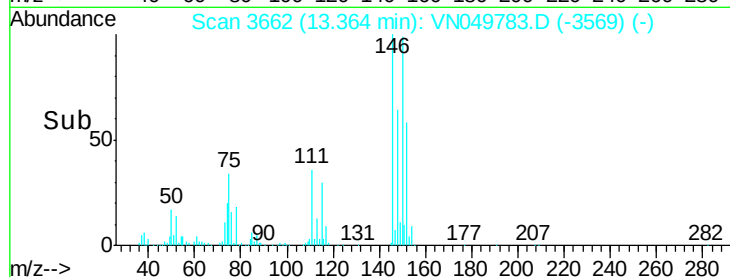
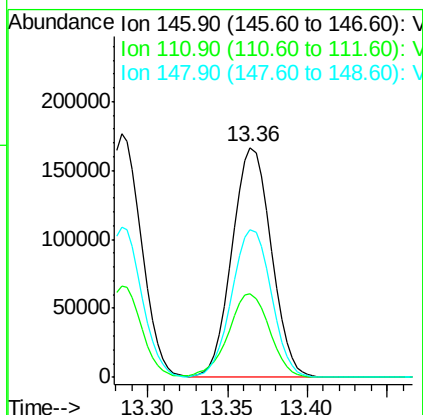
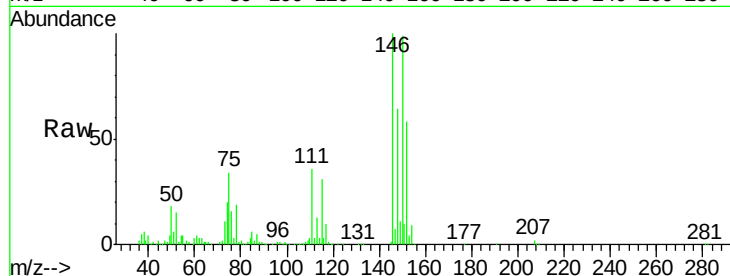
Acq: 12 Jul 2018 21:28

Instrument :

MSVOA_N

ClientSampled :

Tot Ion:	146	Resp:	278407
Ion	Ratio	Lower	Upper
146	100		
111	38.5	18.9	56.5
148	64.9	32.1	96.3



#89

n-Butylbenzene

Concen: 9.310 ug/l

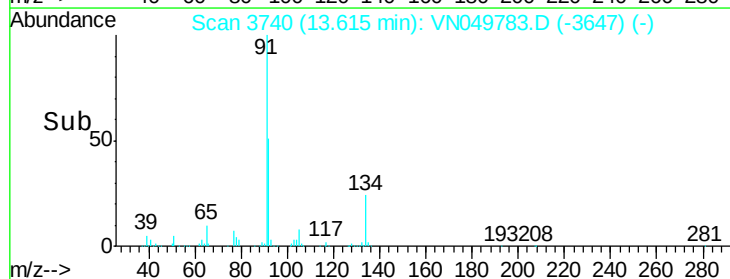
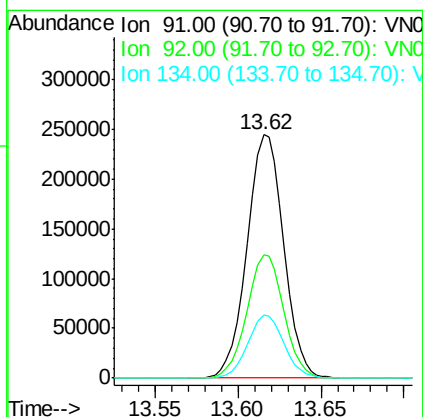
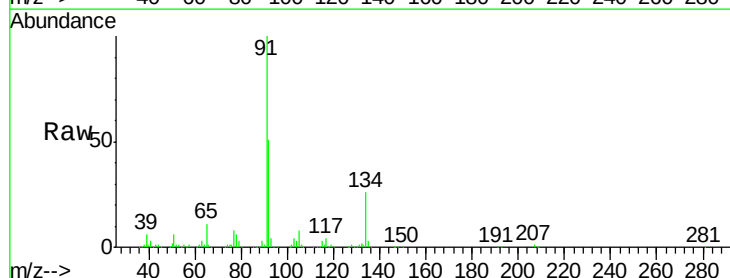
RT: 13.62 min Scan# 3740

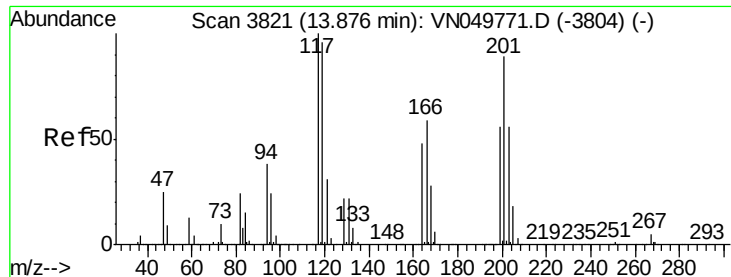
Delta R.T. -0.00 min

Lab File: VN049783.D

Acq: 12 Jul 2018 21:28

Tgt Ion:	91	Resp:	376786
Ion	Ratio	Lower	Upper
91	100		
92	50.9	25.8	77.3
134	25.5	13.0	38.9

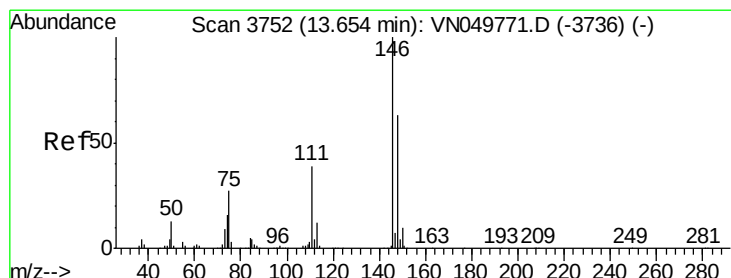
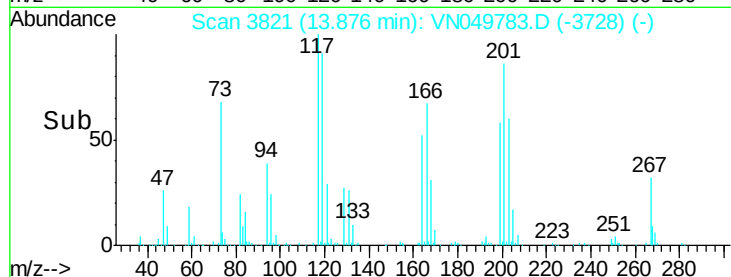
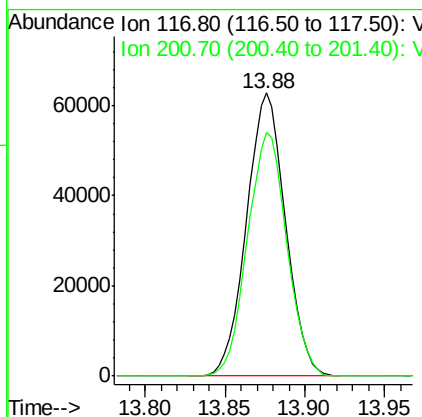
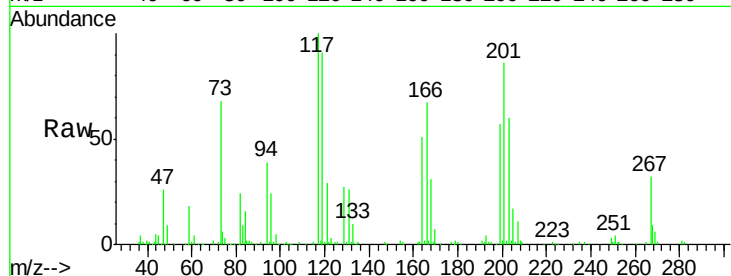




#90
Hexachloroethane
Concen: 10.355 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN049783.D
Acq: 12 Jul 2018 21:28

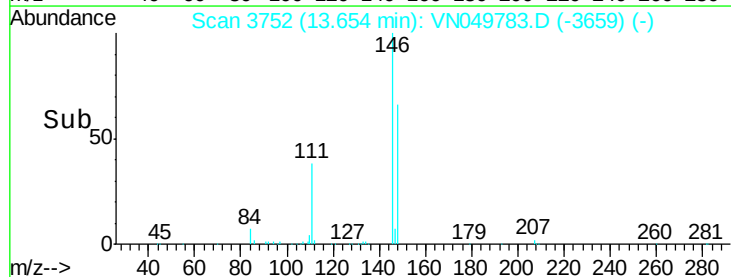
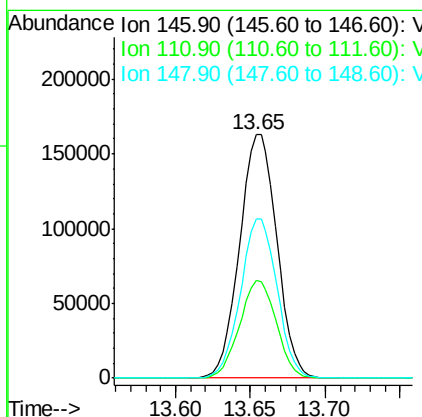
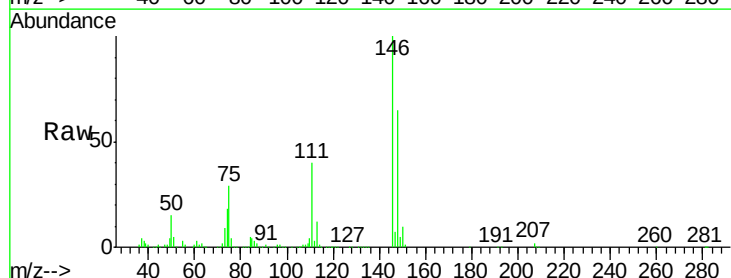
Instrument :
MSVOA_N
ClientSampleId :

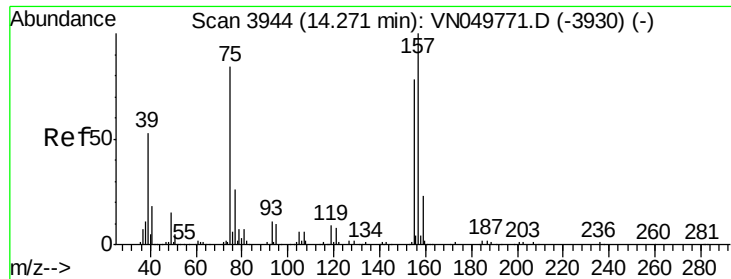
Tot Ion:117 Resp: 104541
Ion Ratio Lower Upper
117 100
201 86.8 45.3 135.8



#91
1,2-Dichlorobenzene
Concen: 10.119 ug/l
RT: 13.65 min Scan# 3752
Delta R.T. -0.00 min
Lab File: VN049783.D
Acq: 12 Jul 2018 21:28

Tgt Ion:146 Resp: 282403
Ion Ratio Lower Upper
146 100
111 39.5 19.7 59.1
148 64.3 32.0 96.2





#92

1,2-Dibromo-3-Chloropropane

Concen: 10.372 ug/l

RT: 14.27 min Scan# 3944

Delta R.T. 0.00 min

Lab File: VN049783.D

Acq: 12 Jul 2018 21:28

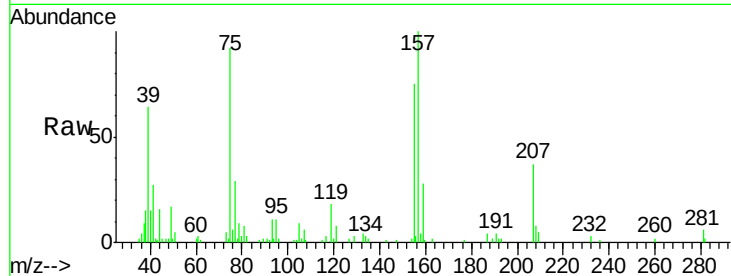
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 75 Resp: 23644

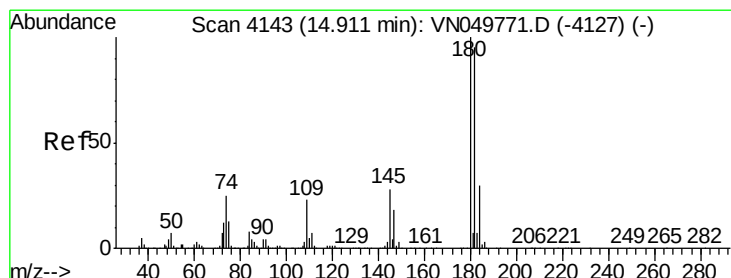
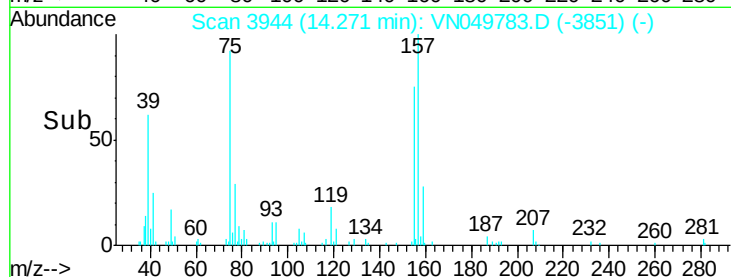
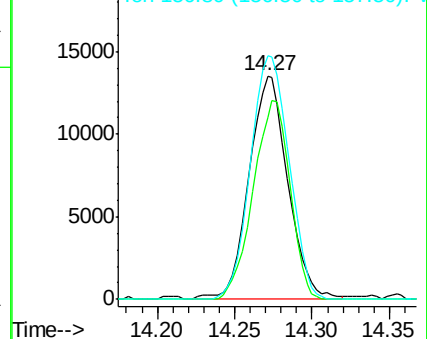
Ion	Ratio	Lower	Upper
75	100		
155	83.8	45.7	137.1
157	108.4	56.9	170.7



Abundance Ion 74.90 (74.60 to 75.60): VN049771.D (-3930) (-)

Ion 154.80 (154.50 to 155.50): VN049771.D (-3930) (-)

Ion 156.80 (156.50 to 157.50): VN049771.D (-3930) (-)



#93

1,2,4-Trichlorobenzene

Concen: 9.668 ug/l

RT: 14.91 min Scan# 4143

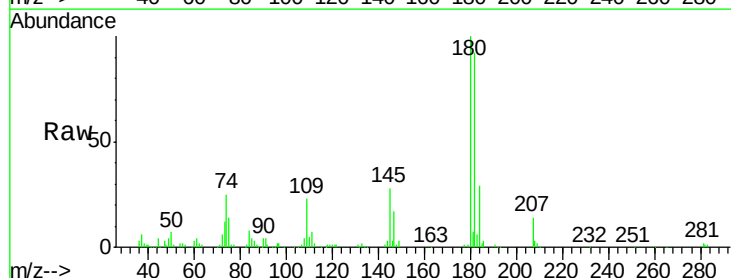
Delta R.T. -0.00 min

Lab File: VN049783.D

Acq: 12 Jul 2018 21:28

Tgt Ion: 180 Resp: 110288

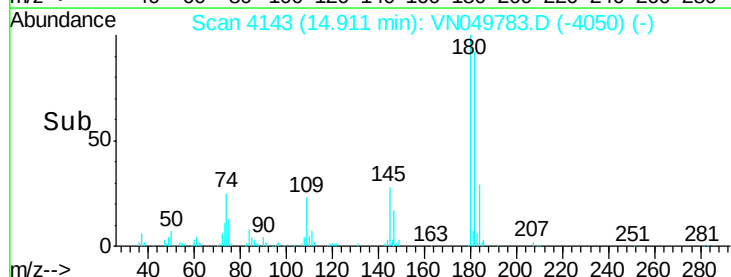
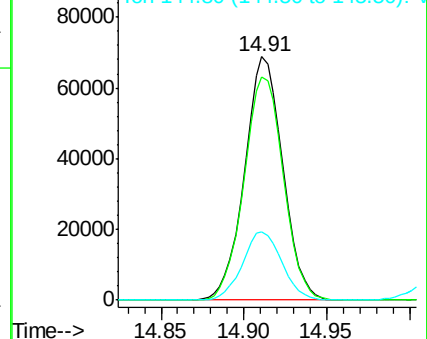
Ion	Ratio	Lower	Upper
180	100		
182	94.7	47.3	141.9
145	28.7	14.4	43.0

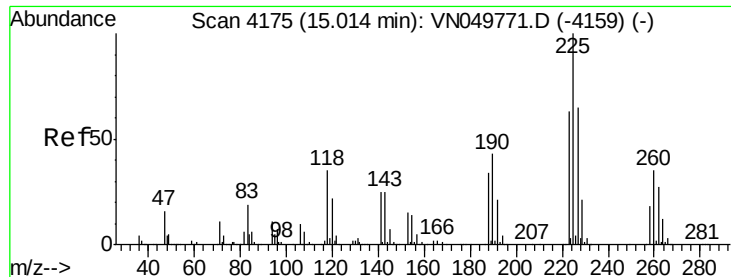


Abundance Ion 179.80 (179.50 to 180.50): VN049771.D (-4127) (-)

Ion 181.80 (181.50 to 182.50): VN049771.D (-4127) (-)

Ion 144.80 (144.50 to 145.50): VN049771.D (-4127) (-)





#94

Hexachlorobutadiene

Concen: 9.850 ug/l

RT: 15.01 min Scan# 4175

Delta R.T. 0.00 min

Lab File: VN049783.D

Acq: 12 Jul 2018 21:28

Instrument :

MSVOA_N

ClientSampleId :

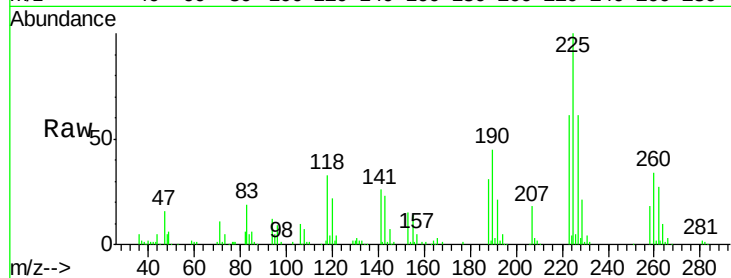
Tot Ion:225 Resp: 91486

Ion Ratio Lower Upper

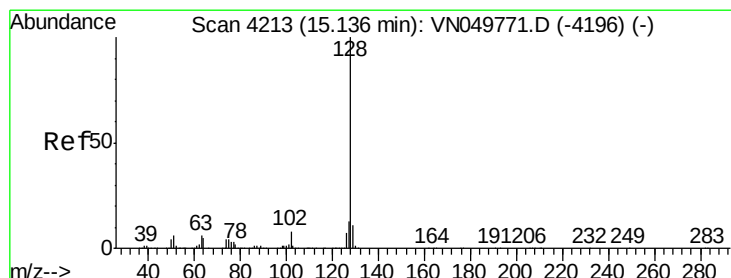
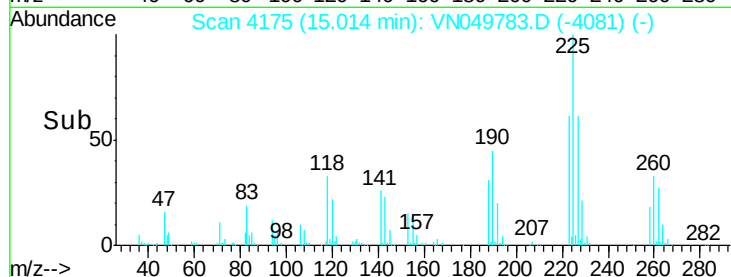
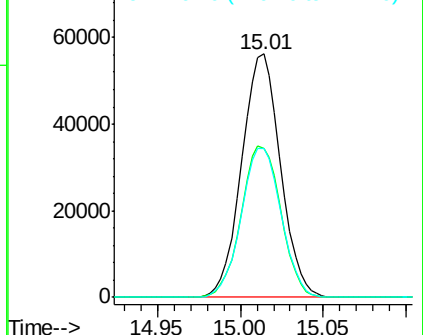
225 100

223 63.6 30.9 92.7

227 63.1 31.8 95.4



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



#95

Naphthalene

Concen: 9.543 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN049783.D

Acq: 12 Jul 2018 21:28

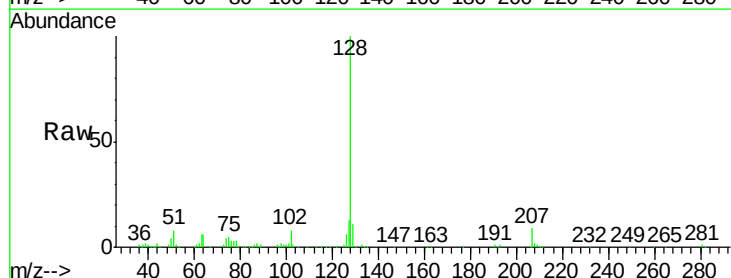
Tgt Ion:128 Resp: 198526

Ion Ratio Lower Upper

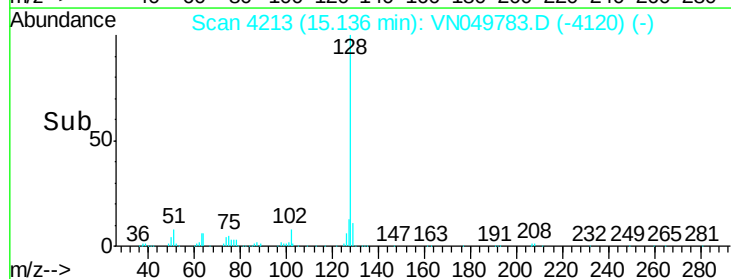
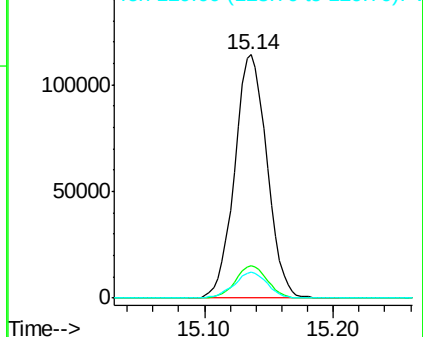
128 100

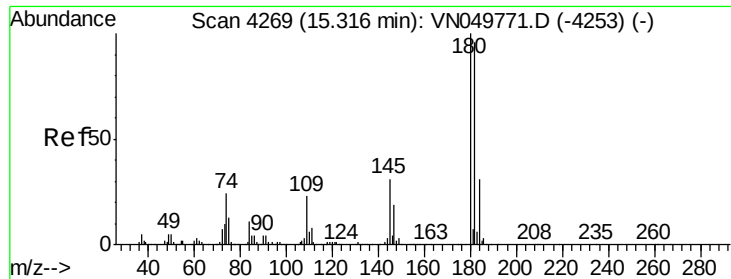
127 13.1 10.4 15.6

129 10.9 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

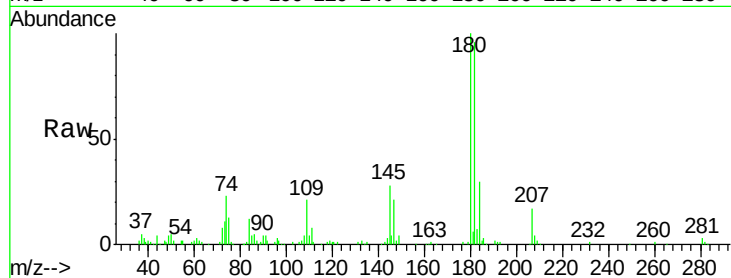




#96
 1,2,3-Trichlorobenzene
 Concen: 8.492 ug/l
 RT: 15.32 min Scan# 4270
 Delta R.T. 0.00 min
 Lab File: VN049783.D
 Acq: 12 Jul 2018 21:28

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.4	142.2
145	29.4	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

