

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032919\
 Data File : VN054766.D
 Acq On : 29 Mar 2019 13:04
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 30 00:11:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032919W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 29 13:26:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	431142	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	709132	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	599700	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	222415	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	30042	5.17	ug/l	0.00
Spiked Amount			Recovery	=	10.34%	
35) Dibromofluoromethane	7.60	113	23915	5.06	ug/l	0.00
Spiked Amount			Recovery	=	10.12%	
50) Toluene-d8	10.09	98	85237	4.85	ug/l	0.00
Spiked Amount			Recovery	=	9.70%	
62) 4-Bromofluorobenzene	12.40	95	28168	4.82	ug/l	0.00
Spiked Amount			Recovery	=	9.64%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	25615	5.87	ug/l	99
3) Chloromethane	2.06	50	35072	5.82	ug/l	99
4) Vinyl Chloride	2.19	62	31191	5.76	ug/l	95
5) Bromomethane	2.57	94	20490	5.20	ug/l	100
6) Chloroethane	2.71	64	16273	5.38	ug/l	98
7) Trichlorofluoromethane	3.02	101	38076	5.72	ug/l	88
8) Diethyl Ether	3.42	74	11440	5.34	ug/l	67
9) 1,1,2-Trichlorotrifluoroet	3.75	101	19888	6.04	ug/l	93
10) Methyl Iodide	3.94	142	21469	4.47	ug/l	92
11) Tert butyl alcohol	4.81	59	4106	13.43	ug/l	94
12) 1,1-Dichloroethene	3.74	96	19190	5.66	ug/l #	83
13) Acrolein	3.61	56	6719	24.82	ug/l	93
14) Allyl chloride	4.32	41	42683	5.16	ug/l #	92
15) Acrylonitrile	5.00	53	45754	27.18	ug/l	99
16) Acetone	3.82	43	38052	27.46	ug/l #	75
17) Carbon Disulfide	4.04	76	61248	5.57	ug/l	96
18) Methyl Acetate	4.33	43	21648	5.17	ug/l #	71
19) Methyl tert-butyl Ether	5.05	73	63593	5.36	ug/l	95
20) Methylene Chloride	4.55	84	27812	5.69	ug/l #	84
21) trans-1,2-Dichloroethene	5.04	96	25218	5.67	ug/l	96
22) Diisopropyl ether	5.96	45	90191	5.46	ug/l #	95
23) Vinyl Acetate	5.90	43	295509	26.34	ug/l #	94
24) 1,1-Dichloroethane	5.85	63	48402	5.50	ug/l	99
25) 2-Butanone	6.85	43	53547	26.14	ug/l	92
26) 2,2-Dichloropropane	6.82	77	32874	5.33	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	27021	5.37	ug/l	84
28) Bromochloromethane	7.19	49	24224	5.50	ug/l #	70
29) Tetrahydrofuran	7.22	42	39415	27.66	ug/l #	81
30) Chloroform	7.37	83	46072	5.49	ug/l	100
31) Cyclohexane	7.65	56	52631	4.69	ug/l #	86
32) 1,1,1-Trichloroethane	7.57	97	36822	5.29	ug/l	94
36) 1,1-Dichloropropene	7.79	75	34802	5.38	ug/l	96
37) Ethyl Acetate	6.94	43	24895	5.24	ug/l #	90
38) Carbon Tetrachloride	7.77	117	32689	5.09	ug/l	99

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 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 30 00:11:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032919W.M
 Quant Title : SW846 8260
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 Response via : Initial Calibration

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

39) Methylcyclohexane	9.08	83	39596	5.45	ug/l #	84
40) Benzene	8.04	78	101763	5.38	ug/l	96
41) Methacrylonitrile	7.18	41	14433	5.30	ug/l #	75
42) 1,2-Dichloroethane	8.12	62	37430	5.54	ug/l	100
43) Isopropyl Acetate	8.17	43	41464	5.27	ug/l #	88
44) Trichloroethene	8.83	130	26846	5.47	ug/l	86
45) 1,2-Dichloropropane	9.12	63	29431	5.46	ug/l	93
46) Dibromomethane	9.21	93	15963	5.26	ug/l	89
47) Bromodichloromethane	9.40	83	32154	5.10	ug/l	98
48) Methyl methacrylate	9.20	41	20571	4.82	ug/l	90
49) 1,4-Dioxane	9.20	88	4707	111.15	ug/l #	75
51) 4-Methyl-2-Pentanone	9.99	43	114413	25.85	ug/l	92
52) Toluene	10.16	92	59550	5.29	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	27697	4.67	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	34733	4.90	ug/l	95
55) 1,1,2-Trichloroethane	10.56	97	22507	5.38	ug/l	92
56) Ethyl methacrylate	10.43	69	27632	5.04	ug/l #	79
57) 1,3-Dichloropropane	10.71	76	37710	5.24	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	48260	29.92	ug/l	89
59) 2-Hexanone	10.75	43	74046	26.13	ug/l	89
60) Dibromochloromethane	10.90	129	19931	4.70	ug/l	98
61) 1,2-Dibromoethane	11.00	107	20890	5.23	ug/l	97
64) Tetrachloroethene	10.63	164	25479	5.54	ug/l	97
65) Chlorobenzene	11.43	112	63361	5.40	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	22725	5.17	ug/l	93
67) Ethyl Benzene	11.51	91	113716	5.37	ug/l	95
68) m/p-Xylenes	11.62	106	81912	10.45	ug/l	91
69) o-Xylene	11.95	106	41135	5.35	ug/l	98
70) Styrene	11.96	104	61817	5.03	ug/l	96
71) Bromoform	12.13	173	11894	4.62	ug/l #	98
73) Isopropylbenzene	12.25	105	109233	6.01	ug/l	99
74) N-amyl acetate	12.07	43	31138	5.50	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.50	83	26371	5.04	ug/l	97
76) 1,2,3-Trichloropropane	12.55	75	29835	7.49	ug/l #	100
77) Bromobenzene	12.53	156	24030	5.48	ug/l	77
78) n-propylbenzene	12.59	91	112273	5.62	ug/l	96
79) 2-Chlorotoluene	12.67	91	70962	5.74	ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	85613	5.74	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	4870	4.90	ug/l #	80
82) 4-Chlorotoluene	12.77	91	67955	5.66	ug/l	95
83) tert-Butylbenzene	12.99	119	76341	4.72	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	81903	5.76	ug/l	96
85) sec-Butylbenzene	13.17	105	96684	5.97	ug/l	95
86) p-Isopropyltoluene	13.29	119	83510	5.84	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	41444	5.64	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	39562	5.49	ug/l	95
89) n-Butylbenzene	13.61	91	62523	5.36	ug/l	96
90) Hexachloroethane	13.87	117	13166	5.43	ug/l	82
91) 1,2-Dichlorobenzene	13.65	146	40835	5.51	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	14.27	75	3364	5.41	ug/l	73

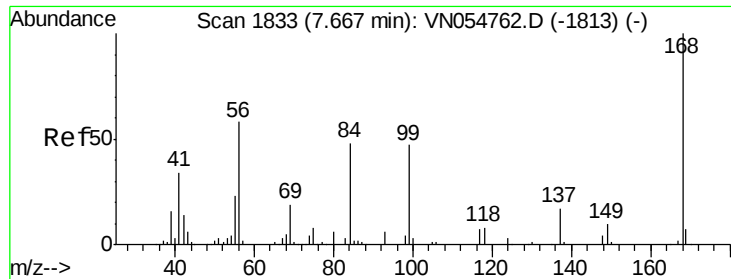
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032919\
Data File : VN054766.D
Acq On : 29 Mar 2019 13:04
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Instrument :
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ClientSampleId :

Quant Time: Mar 30 00:11:17 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032919W.M
Quant Title : SW846 8260
QLast Update : Fri Mar 29 13:26:34 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	17319	4.85	ug/l	96
94) Hexachlorobutadiene	15.01	225	14848	5.13	ug/l	98
95) Naphthalene	15.13	128	39943	4.98	ug/l	98
96) 1,2,3-Trichlorobenzene	15.31	180	18124	5.02	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN054766.D

Acq: 29 Mar 2019 13:04

Instrument :

MSVOA_N

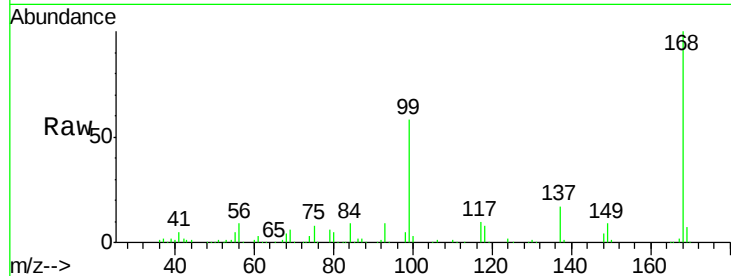
ClientSampled :

Tot Ion:168 Resp: 431142

Ion Ratio Lower Upper

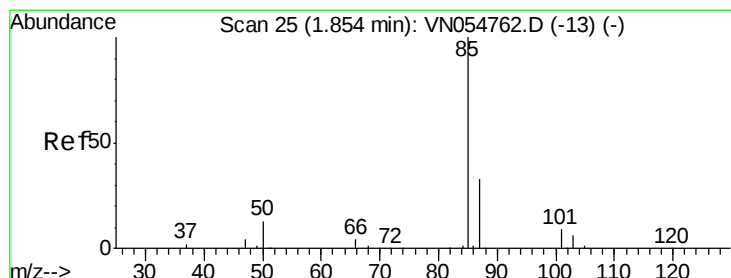
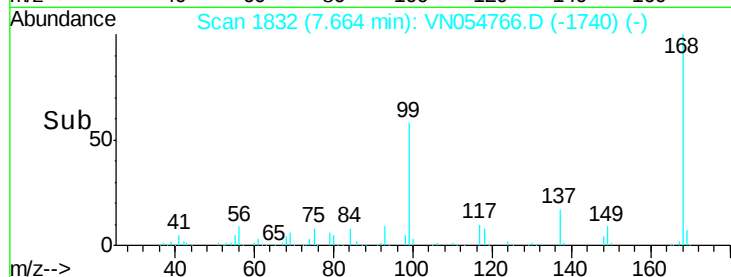
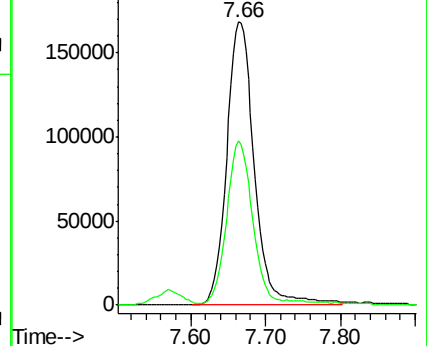
168 100

99 57.2 37.1 55.7#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 5.87 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN054766.D

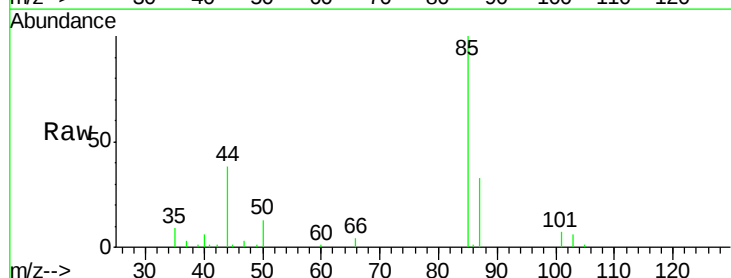
Acq: 29 Mar 2019 13:04

Tgt Ion: 85 Resp: 25615

Ion Ratio Lower Upper

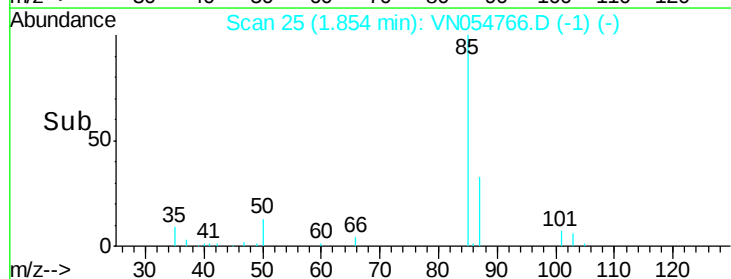
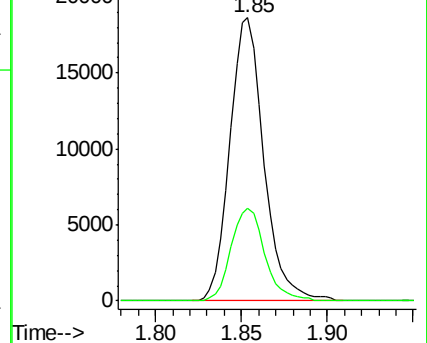
85 100

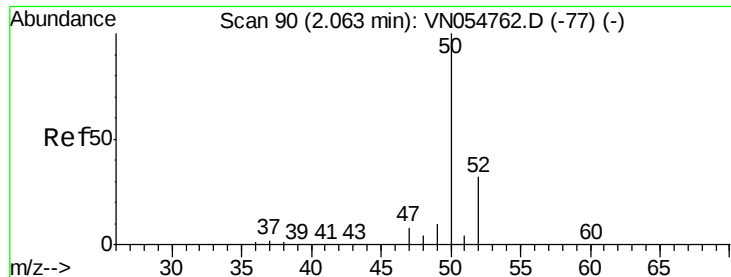
87 32.5 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 5.82 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN054766.D

Acq: 29 Mar 2019 13:04

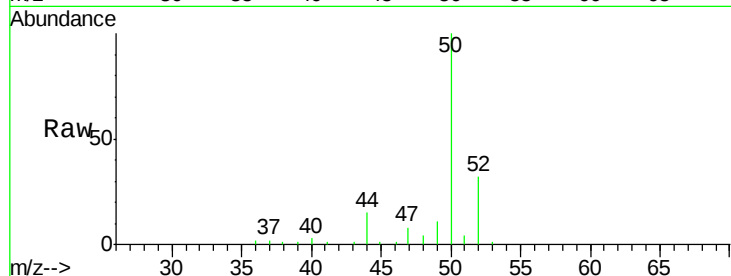
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 50 Resp: 35072

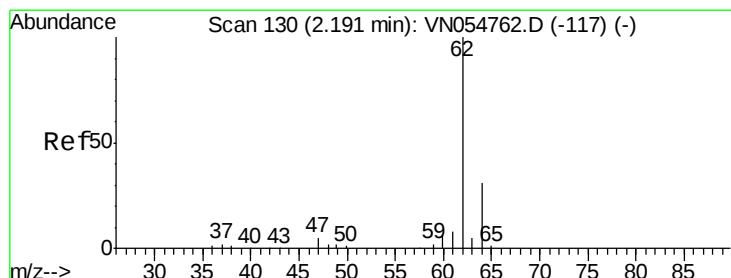
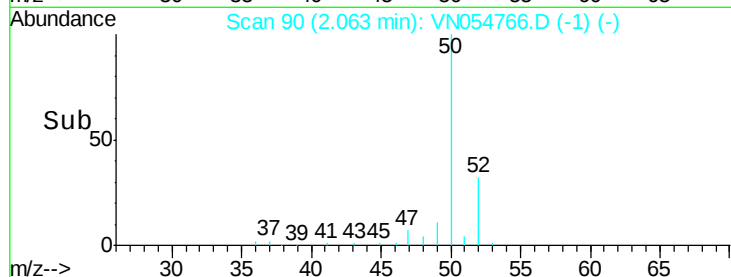
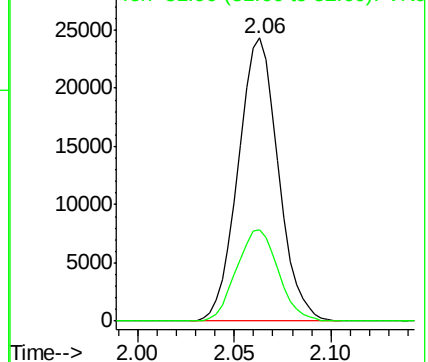
Ion Ratio Lower Upper

50 100

52 32.4 26.4 39.6



Abundance Ion 49.90 (49.60 to 50.60): VNO
Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 5.76 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN054766.D

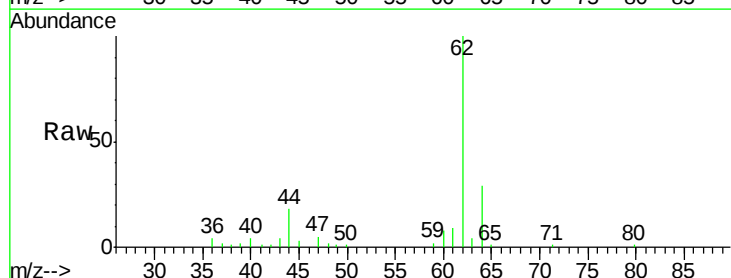
Acq: 29 Mar 2019 13:04

Tgt Ion: 62 Resp: 31191

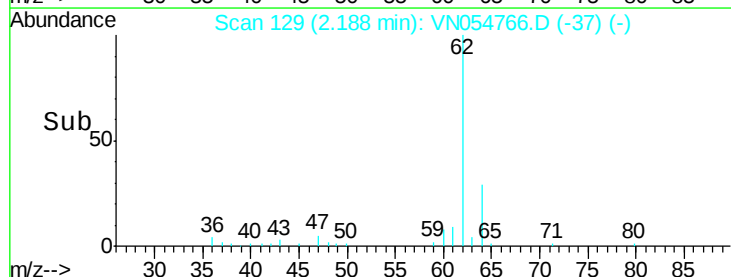
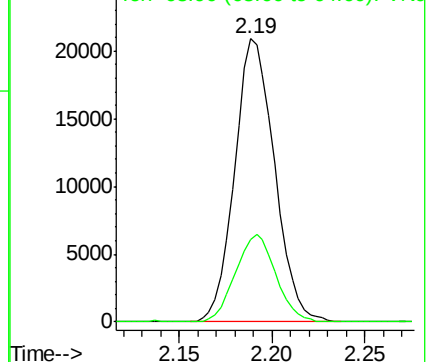
Ion Ratio Lower Upper

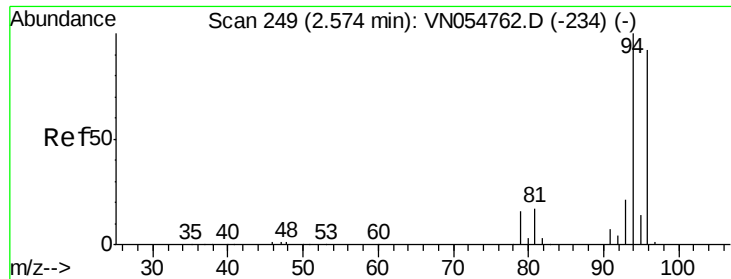
62 100

64 29.2 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNO
Ion 63.90 (63.60 to 64.60): VNO

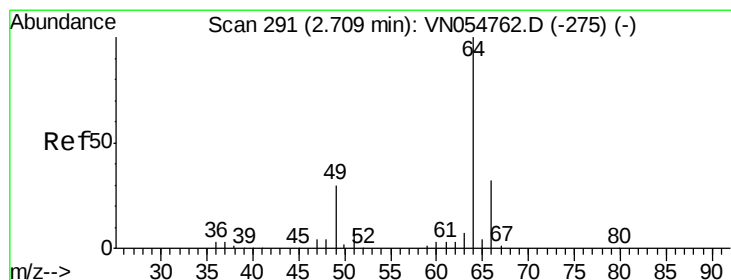
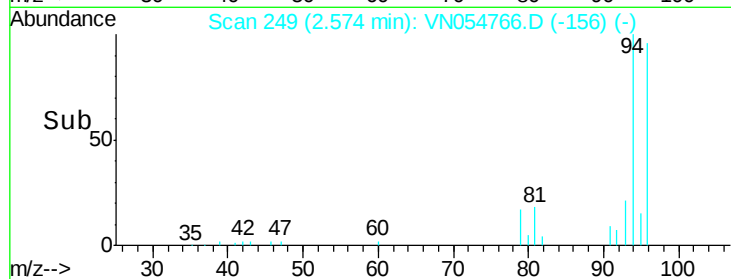
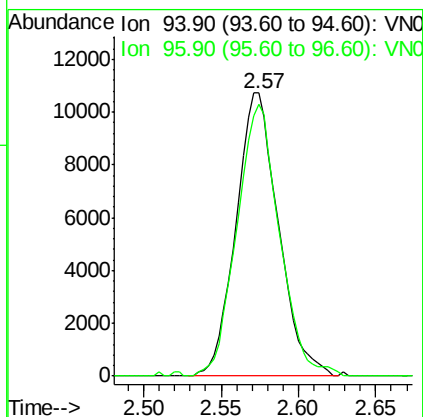
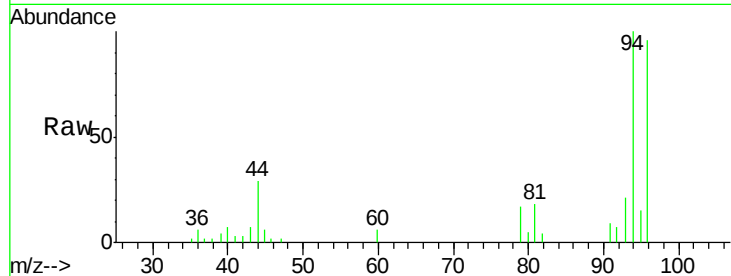




#5
Bromomethane
Concen: 5.20 ug/l
RT: 2.57 min Scan# 249
Delta R.T. 0.00 min
Lab File: VN054766.D
Acq: 29 Mar 2019 13:04

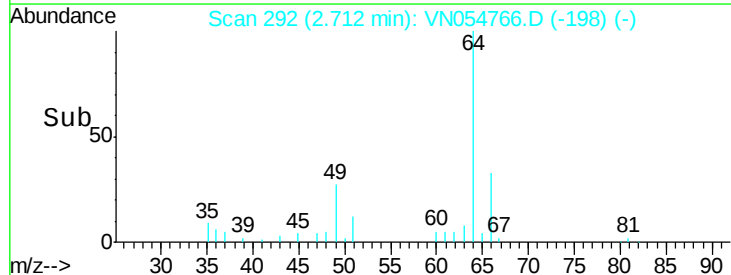
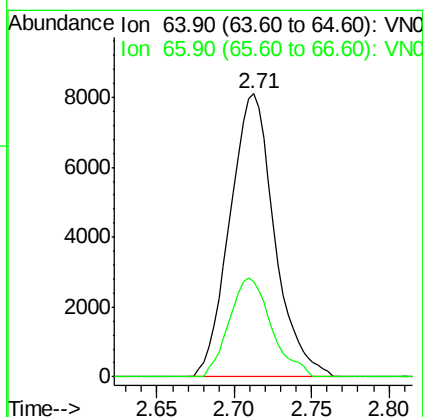
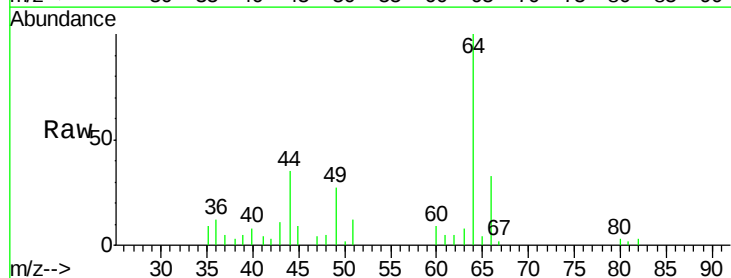
Instrument :
MSVOA_N
ClientSampleId :

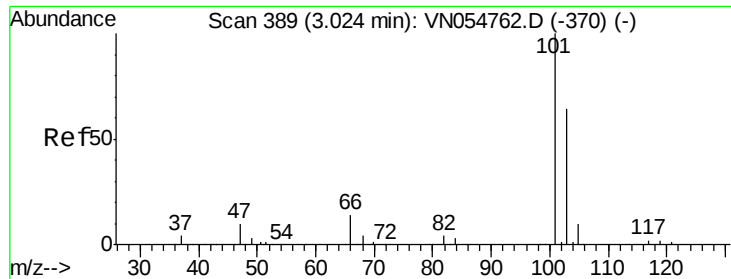
Tot Ion: 94 Resp: 20490
Ion Ratio Lower Upper
94 100
96 96.1 77.0 115.4



#6
Chloroethane
Concen: 5.38 ug/l
RT: 2.71 min Scan# 292
Delta R.T. 0.00 min
Lab File: VN054766.D
Acq: 29 Mar 2019 13:04

Tgt Ion: 64 Resp: 16273
Ion Ratio Lower Upper
64 100
66 33.5 25.7 38.5



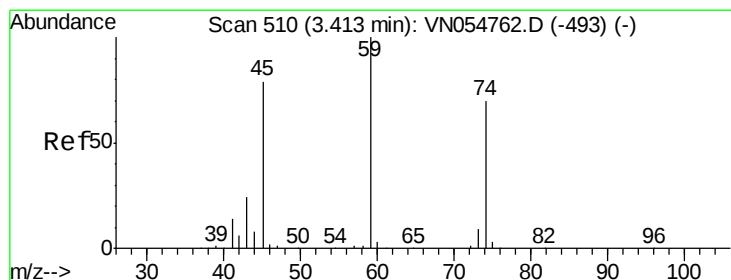
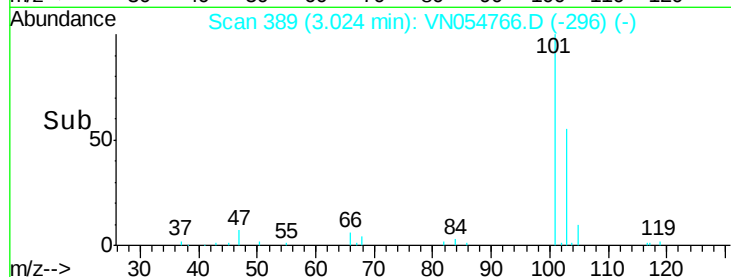
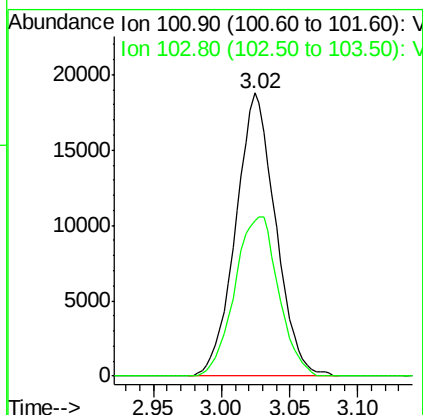
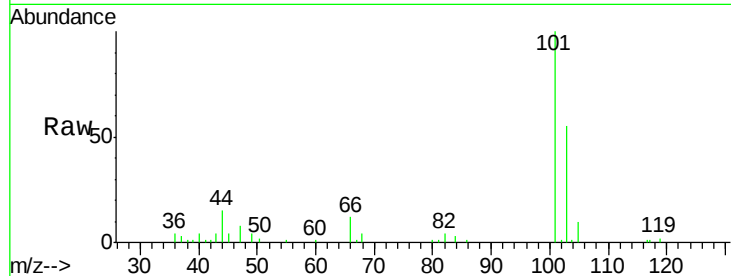


#7

Trichlorofluoromethane
Concen: 5.72 ug/l
RT: 3.02 min Scan# 389
Delta R.T. 0.00 min
Lab File: VN054766.D
Acq: 29 Mar 2019 13:04

Instrument :
MSVOA_N
ClientSampleId :

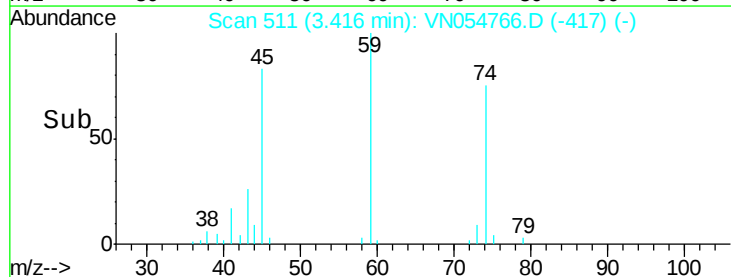
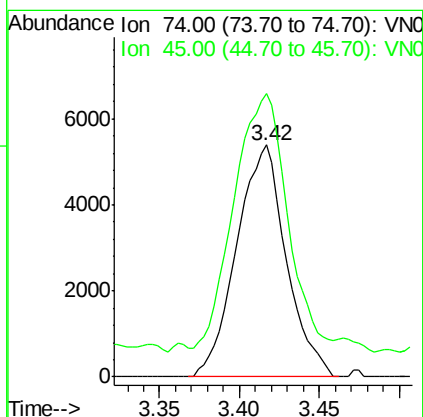
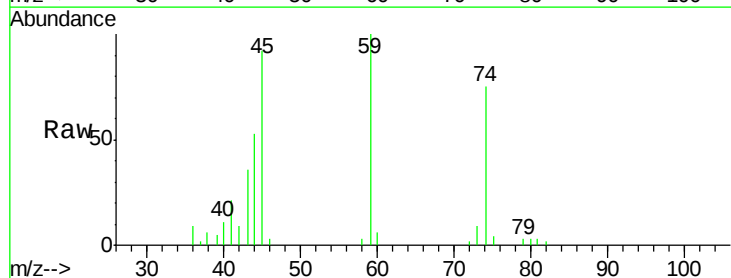
Tot Ion:101 Resp: 38076
Ion Ratio Lower Upper
101 100
103 54.7 51.4 77.2

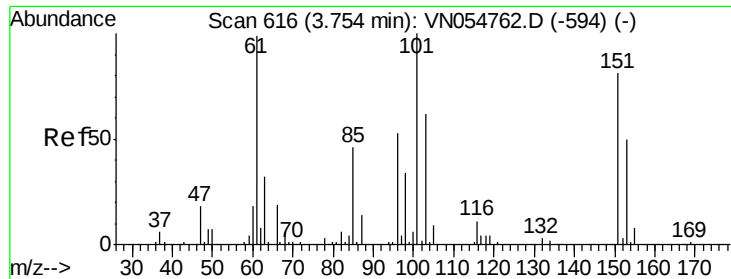


#8

Diethyl Ether
Concen: 5.34 ug/l
RT: 3.42 min Scan# 511
Delta R.T. 0.00 min
Lab File: VN054766.D
Acq: 29 Mar 2019 13:04

Tgt Ion: 74 Resp: 11440
Ion Ratio Lower Upper
74 100
45 116.6 43.1 129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 6.04 ug/l

RT: 3.75 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN054766.D

Acq: 29 Mar 2019 13:04

Instrument :

MSVOA_N

ClientSampled :

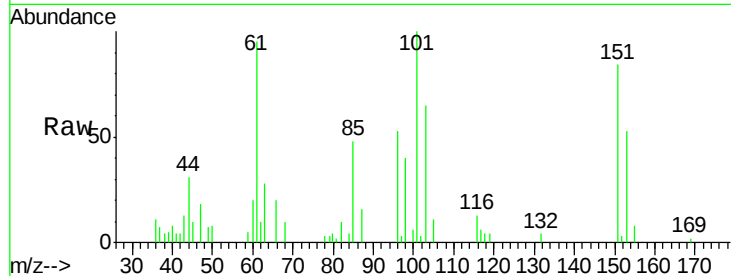
Tot Ion:101 Resp: 19888

Ion Ratio Lower Upper

101 100

85 47.9 32.4 48.6

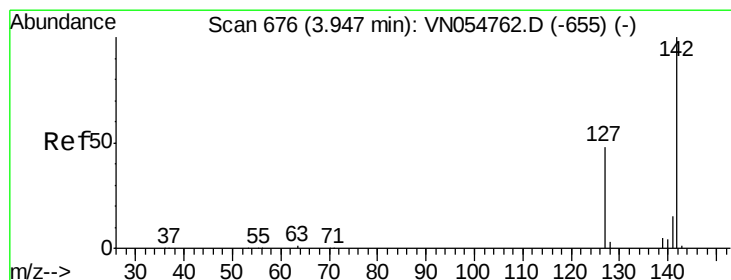
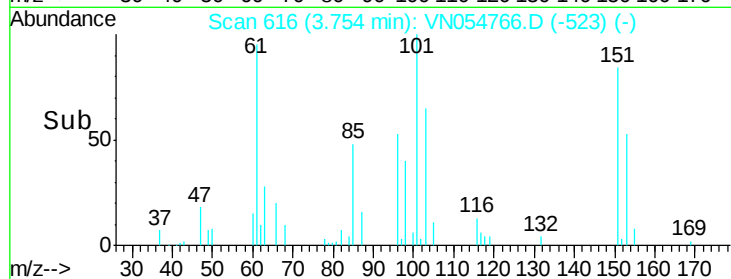
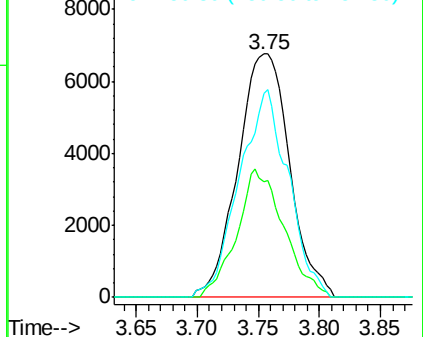
151 80.9 68.2 102.2



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: 4.47 ug/l

RT: 3.94 min Scan# 675

Delta R.T. -0.00 min

Lab File: VN054766.D

Acq: 29 Mar 2019 13:04

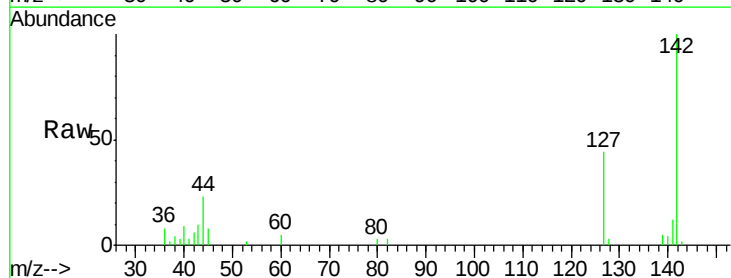
Tgt Ion:142 Resp: 21469

Ion Ratio Lower Upper

142 100

127 44.6 30.3 45.5

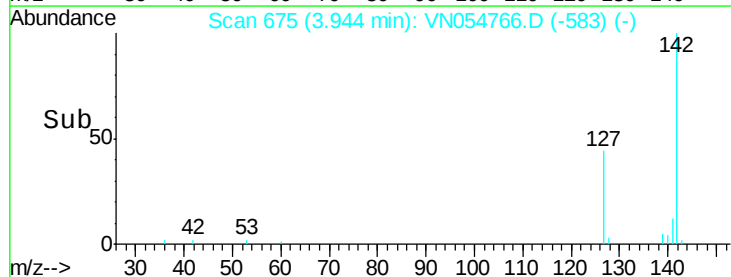
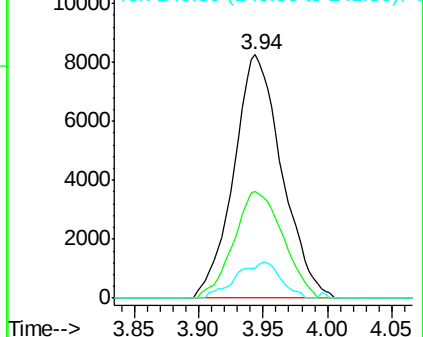
141 13.7 11.2 16.8

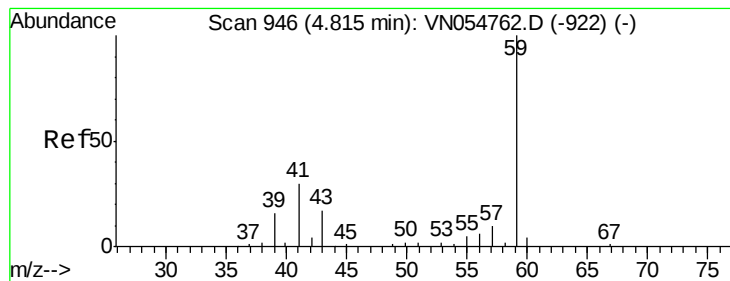


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



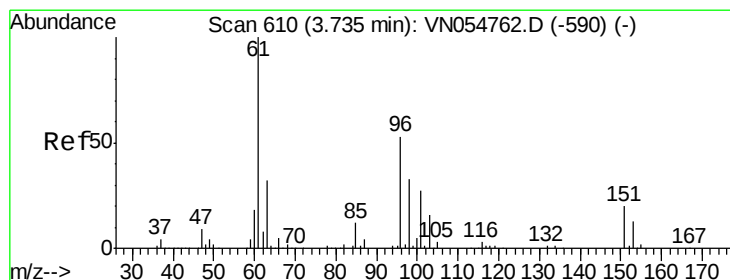
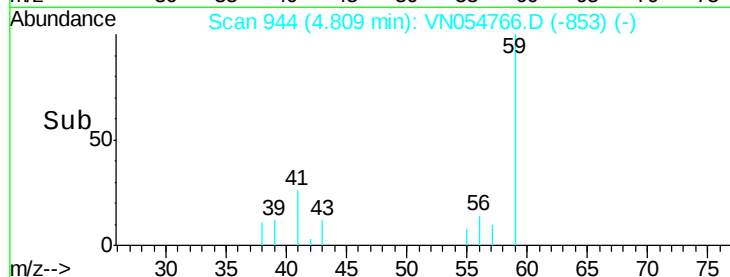
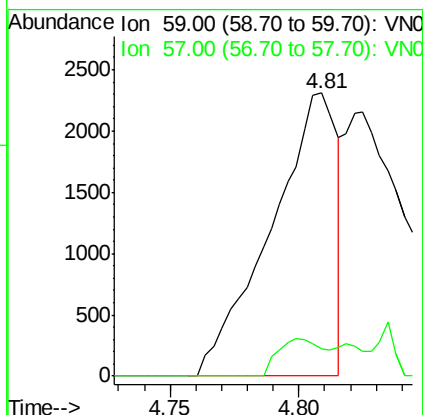
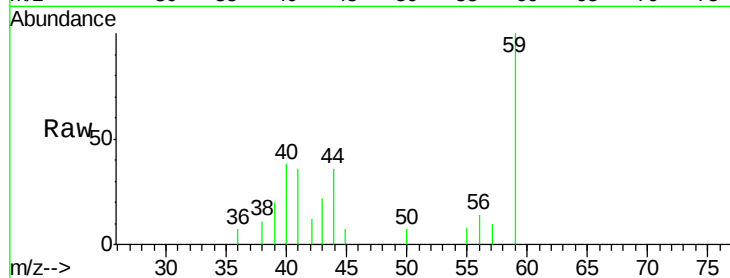


#11

Tert butyl alcohol
Concen: 13.43 ug/l
RT: 4.81 min Scan# 944
Delta R.T. -0.01 min
Lab File: VN054766.D
Acq: 29 Mar 2019 13:04

Instrument :
MSVOA_N
ClientSampled :

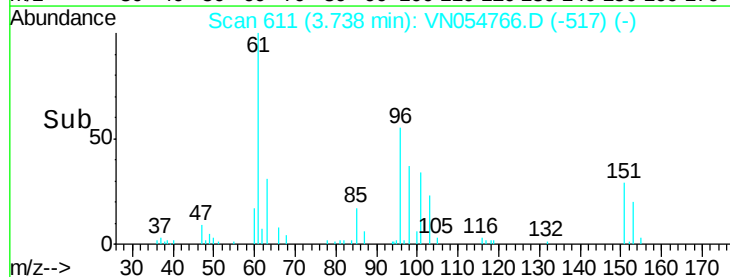
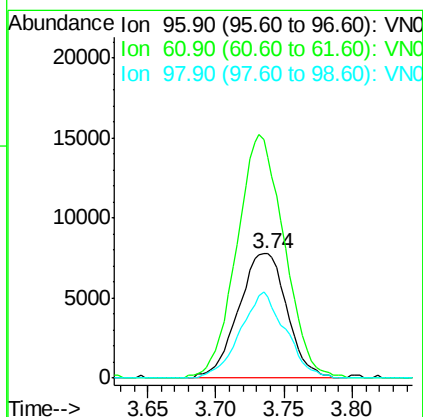
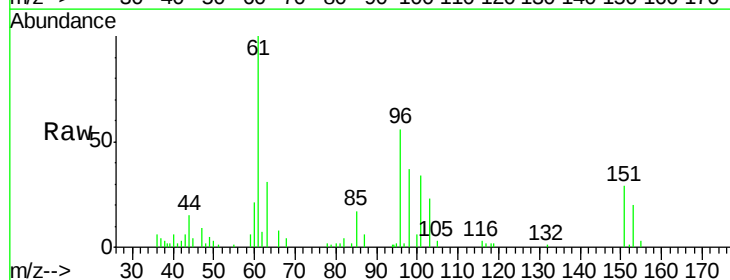
Tot Ion: 59 Resp: 4106
Ion Ratio Lower Upper
59 100
57 9.2 9.0 13.6

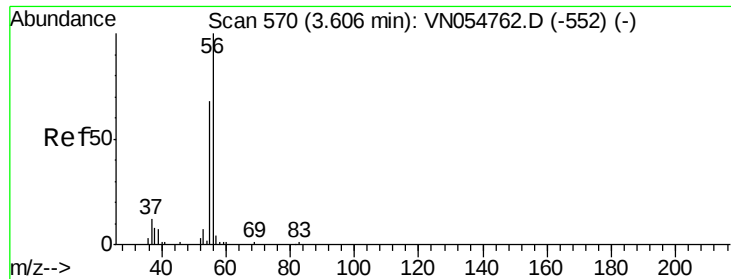


#12

1,1-Dichloroethene
Concen: 5.66 ug/l
RT: 3.74 min Scan# 611
Delta R.T. 0.00 min
Lab File: VN054766.D
Acq: 29 Mar 2019 13:04

Tgt Ion: 96 Resp: 19190
Ion Ratio Lower Upper
96 100
61 175.2 116.5 174.7#
98 65.6 51.0 76.4





#13

Acrolein

Concen: 24.82 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN054766.D

Acq: 29 Mar 2019 13:04

Instrument :

MSVOA_N

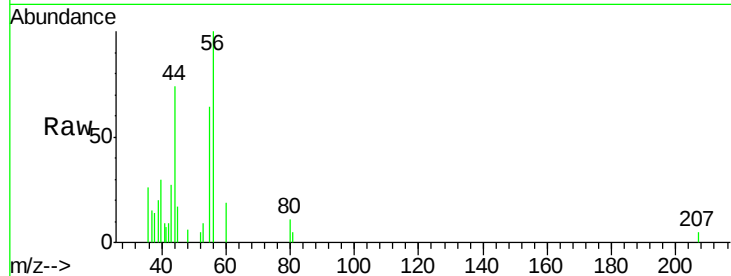
ClientSampled :

Tot Ion: 56 Resp: 6719

Ion Ratio Lower Upper

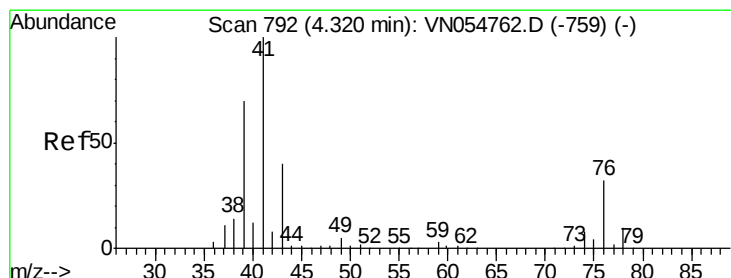
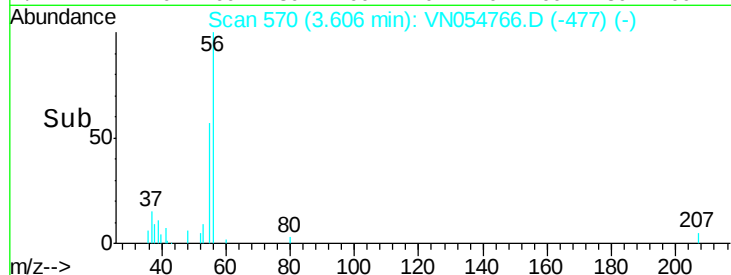
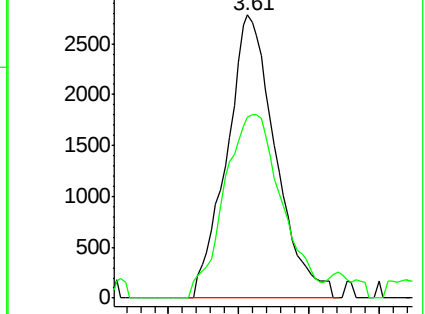
56 100

55 76.6 56.7 85.1



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 5.16 ug/l

RT: 4.32 min Scan# 792

Delta R.T. 0.00 min

Lab File: VN054766.D

Acq: 29 Mar 2019 13:04

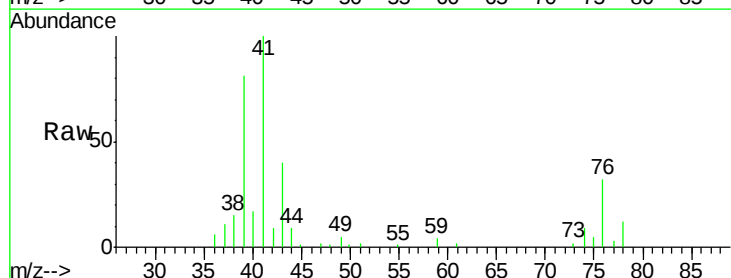
Tgt Ion: 41 Resp: 42683

Ion Ratio Lower Upper

41 100

39 76.2 58.2 87.4

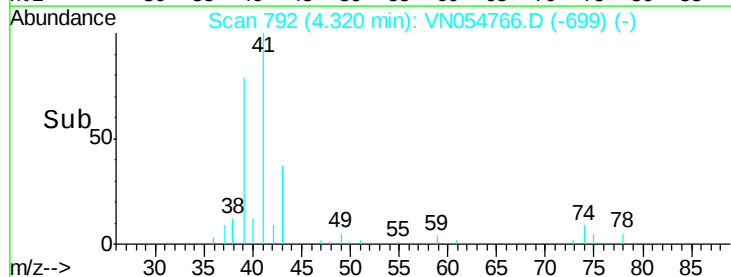
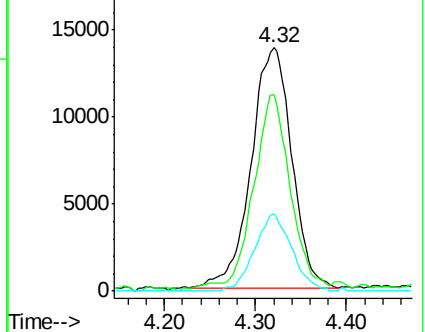
76 29.4 31.7 47.5#

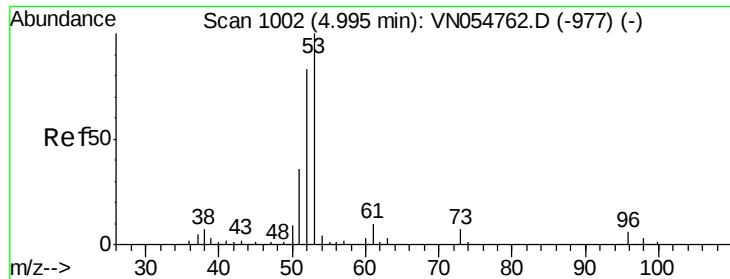


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

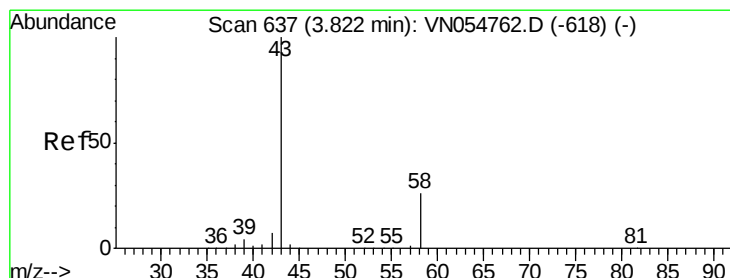
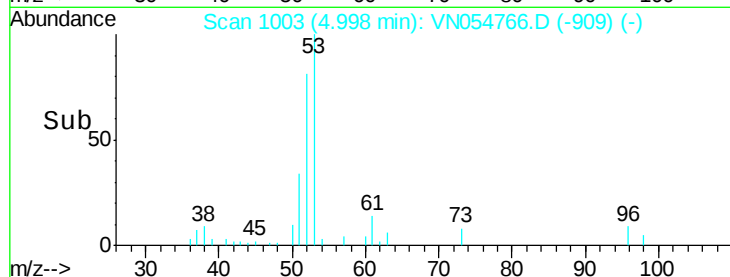
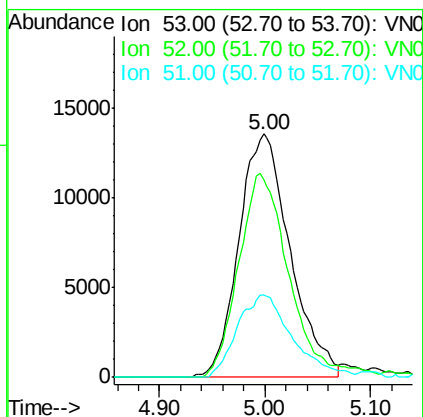
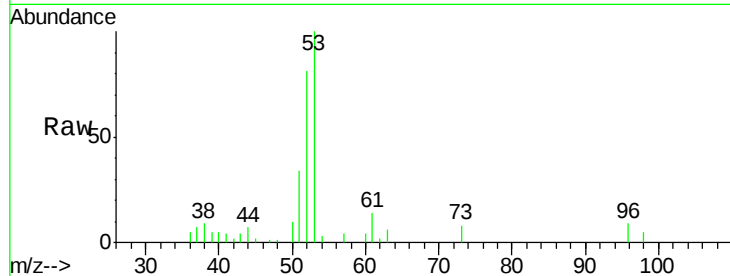




#15
 Acrylonitrile
 Concen: 27.18 ug/l
 RT: 5.00 min Scan# 1003
 Delta R.T. 0.00 min
 Lab File: VN054766.D
 Acq: 29 Mar 2019 13:04

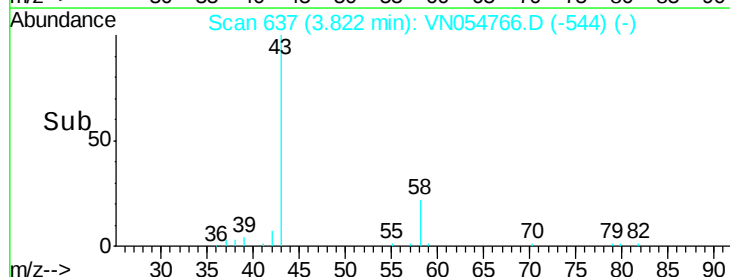
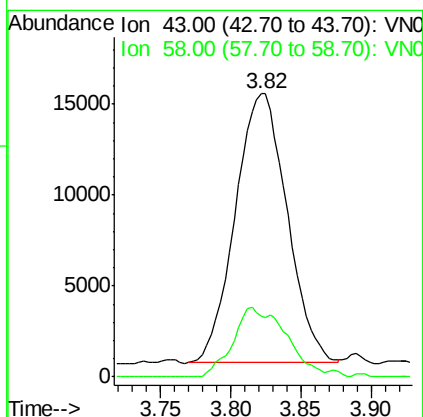
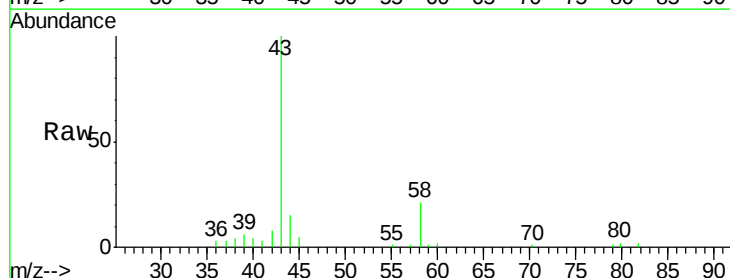
Instrument :
 MSVOA_N
 ClientSampleId :

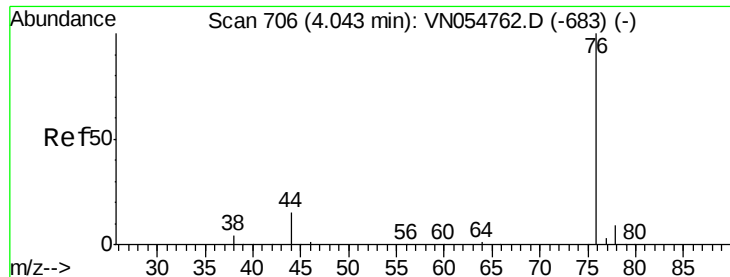
Tot Ion: 53 Resp: 45754
 Ion Ratio Lower Upper
 53 100
 52 82.4 66.4 99.6
 51 36.3 29.6 44.4



#16
 Acetone
 Concen: 27.46 ug/l
 RT: 3.82 min Scan# 637
 Delta R.T. 0.00 min
 Lab File: VN054766.D
 Acq: 29 Mar 2019 13:04

Tgt Ion: 43 Resp: 38052
 Ion Ratio Lower Upper
 43 100
 58 22.4 29.9 44.9#

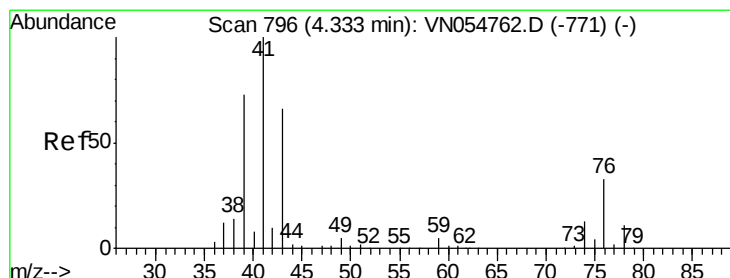
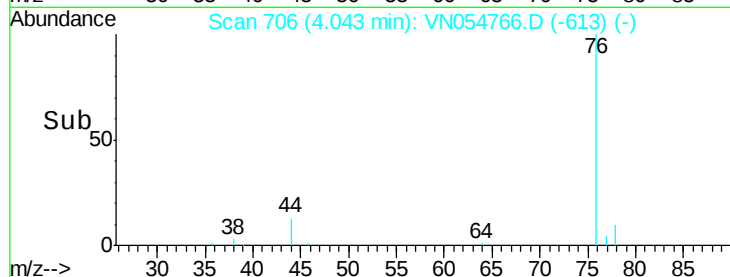
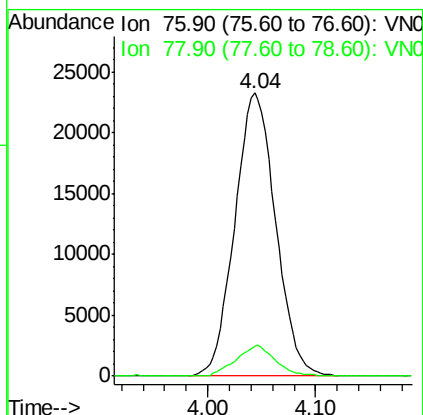
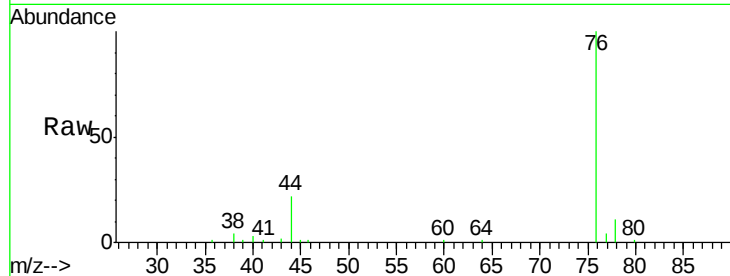




#17
Carbon Disulfide
Concen: 5.57 ug/l
RT: 4.04 min Scan# 706
Delta R.T. 0.00 min
Lab File: VN054766.D
Acq: 29 Mar 2019 13:04

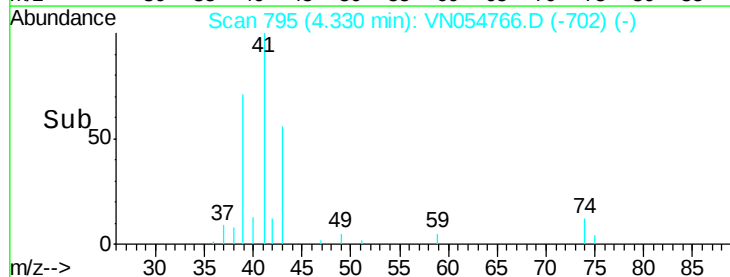
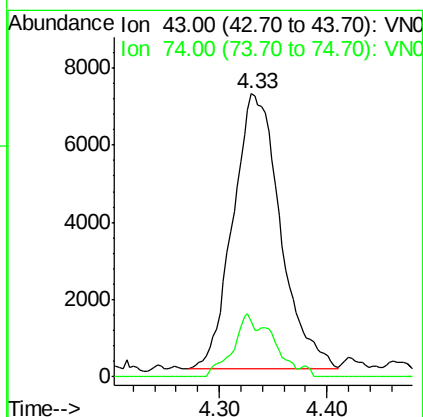
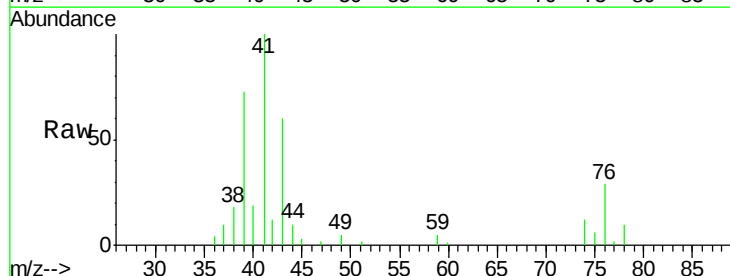
Instrument :
MSVOA_N
ClientSampled :

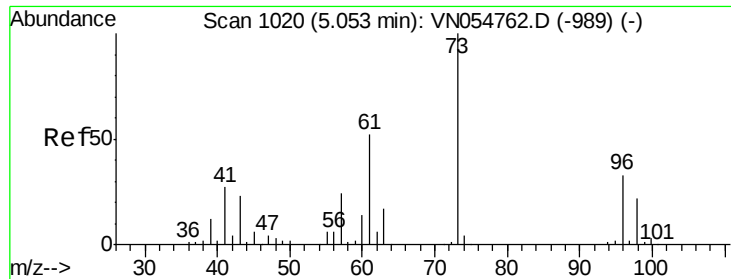
Tot Ion: 76 Resp: 61248
Ion Ratio Lower Upper
76 100
78 10.7 7.5 11.3



#18
Methyl Acetate
Concen: 5.17 ug/l
RT: 4.33 min Scan# 795
Delta R.T. -0.00 min
Lab File: VN054766.D
Acq: 29 Mar 2019 13:04

Tgt Ion: 43 Resp: 21648
Ion Ratio Lower Upper
43 100
74 11.4 20.8 31.2#

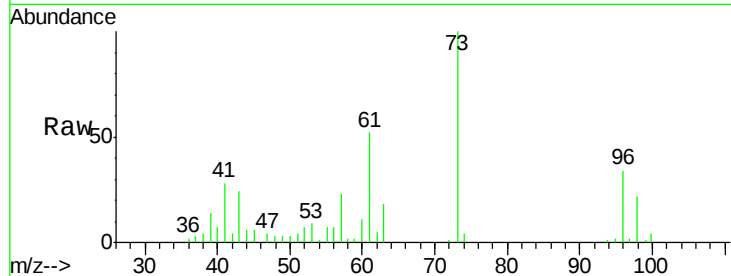




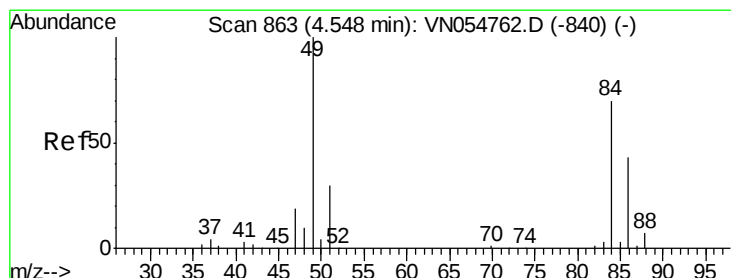
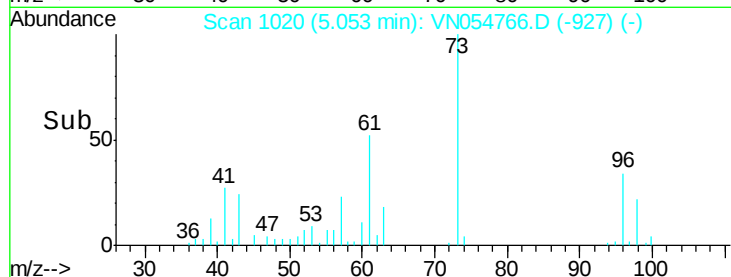
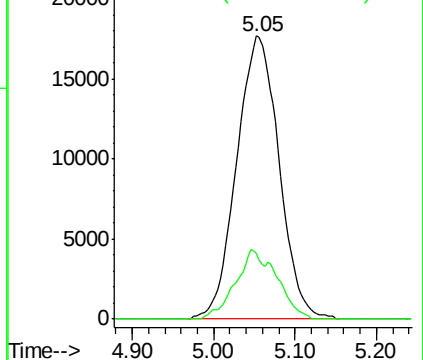
#19
Methvl tert-butvl Ether
Concen: 5.36 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VN054766.D
Acq: 29 Mar 2019 13:04

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 73 Resp: 63593
Ion Ratio Lower Upper
73 100
57 23.3 16.8 25.2

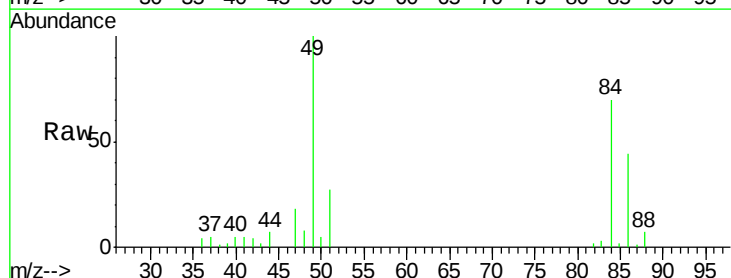


Abundance Ion 73.00 (72.70 to 73.70): VN0
Ion 57.00 (56.70 to 57.70): VN0

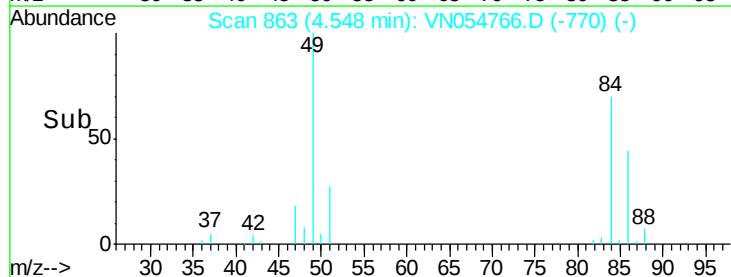
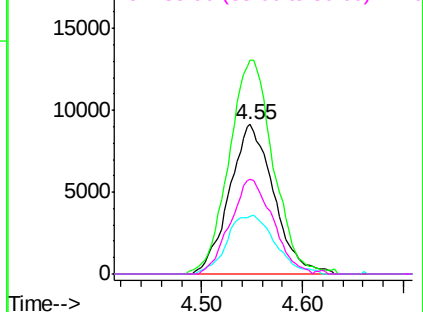


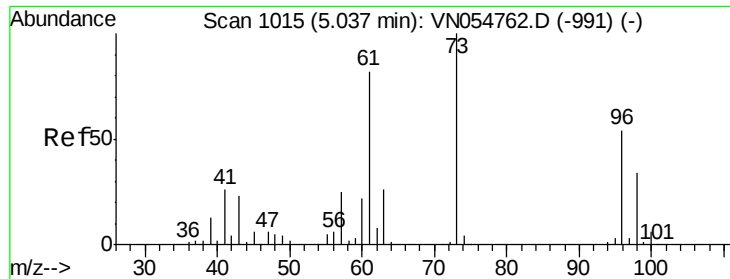
#20
Methylene Chloride
Concen: 5.69 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN054766.D
Acq: 29 Mar 2019 13:04

Tgt Ion: 84 Resp: 27812
Ion Ratio Lower Upper
84 100
49 142.6 89.7 134.5#
51 38.5 28.2 42.4
86 63.4 50.8 76.2



Abundance Ion 83.90 (83.60 to 84.60): VN0
Ion 48.90 (48.60 to 49.60): VN0
Ion 50.90 (50.60 to 51.60): VN0
Ion 85.90 (85.60 to 86.60): VN0

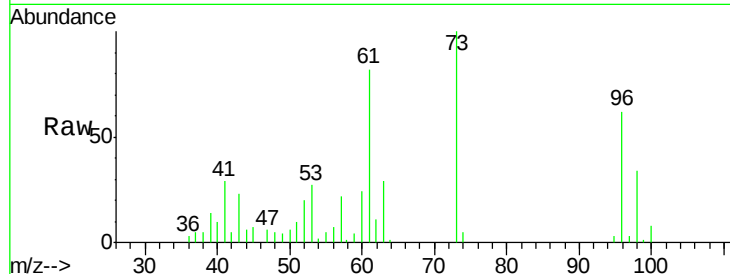




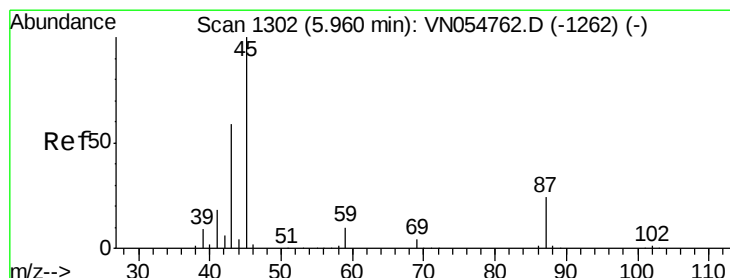
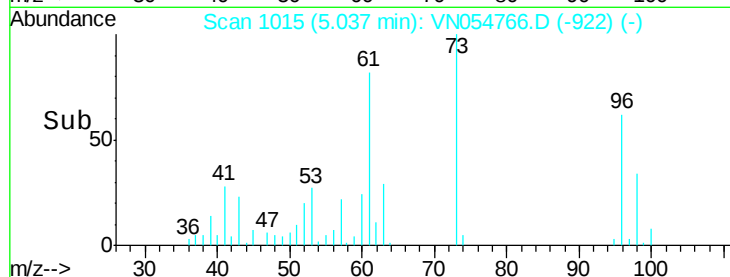
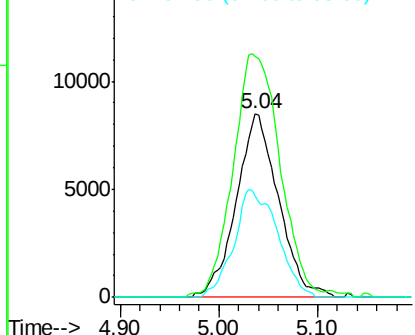
#21
trans-1,2-Dichloroethene
Concen: 5.67 ug/l
RT: 5.04 min Scan# 1015
Delta R.T. 0.00 min
Lab File: VN054766.D
Acq: 29 Mar 2019 13:04

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 96 Resp: 25218
Ion Ratio Lower Upper
96 100
61 129.4 102.8 154.2
98 55.2 50.0 75.0

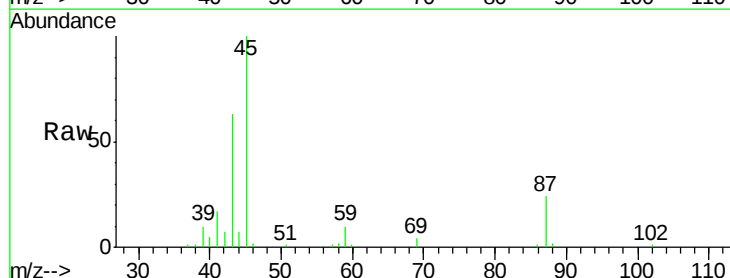


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

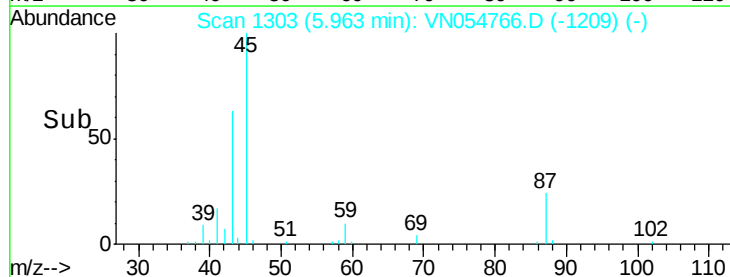
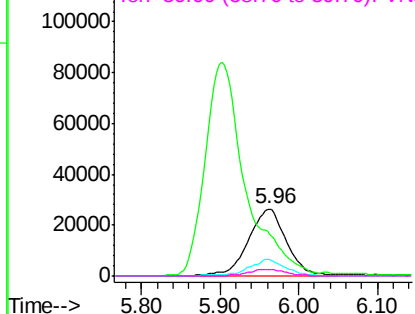


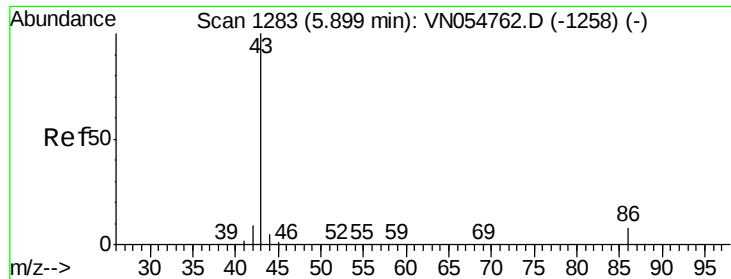
#22
Diisopropyl ether
Concen: 5.46 ug/l
RT: 5.96 min Scan# 1303
Delta R.T. 0.00 min
Lab File: VN054766.D
Acq: 29 Mar 2019 13:04

Tgt Ion: 45 Resp: 90191
Ion Ratio Lower Upper
45 100
43 59.3 48.2 72.2
87 24.3 24.9 37.3#
59 10.1 9.5 14.3



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: 26.34 ug/l

RT: 5.90 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VN054766.D

Acq: 29 Mar 2019 13:04

Instrument :

MSVOA_N

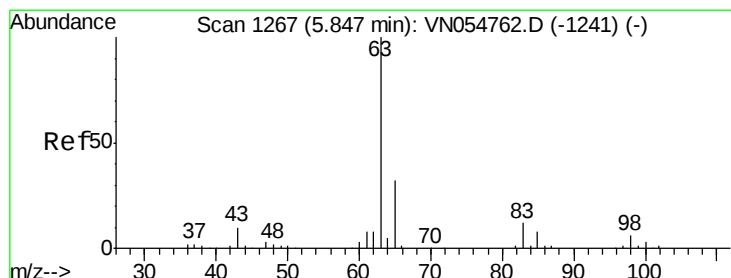
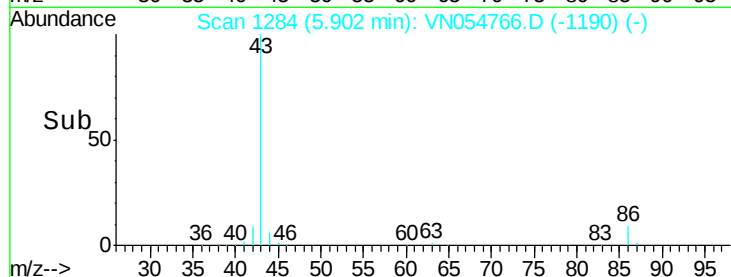
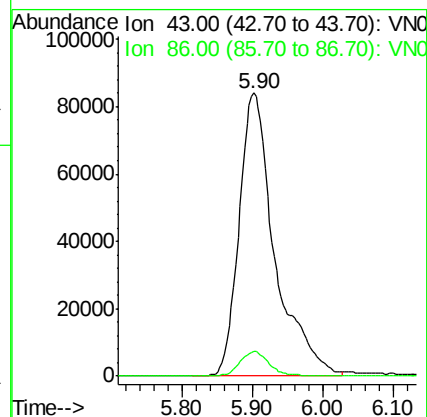
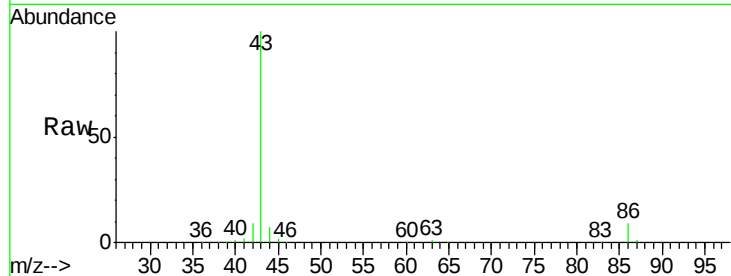
ClientSampleId :

Tot Ion: 43 Resp: 295509

Ion Ratio Lower Upper

43 100

86 9.0 9.1 13.7#



#24

1,1-Dichloroethane

Concen: 5.50 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VN054766.D

Acq: 29 Mar 2019 13:04

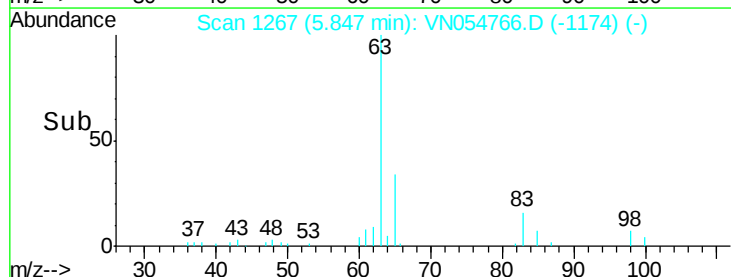
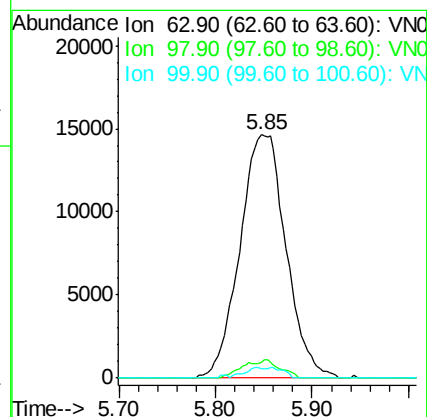
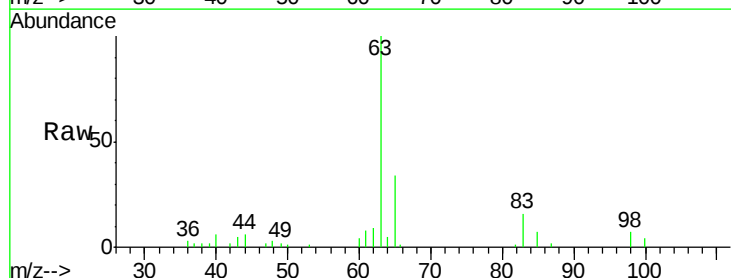
Tgt Ion: 63 Resp: 48402

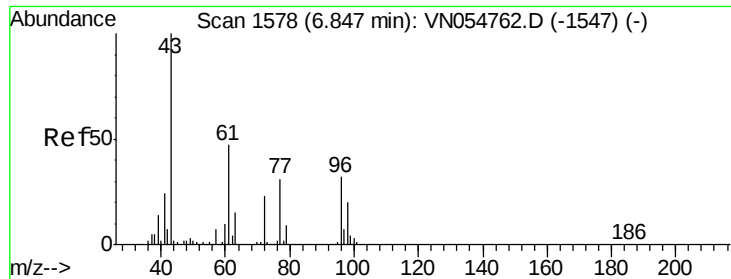
Ion Ratio Lower Upper

63 100

98 6.5 3.5 10.5

100 4.0 2.0 6.0

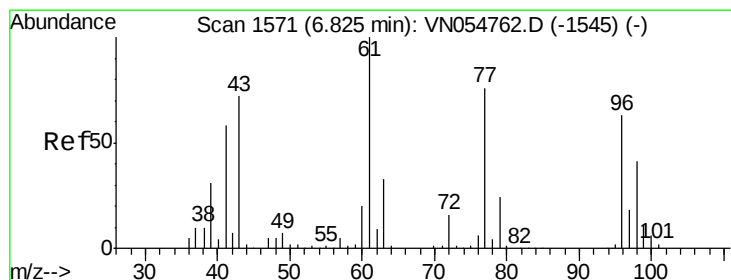
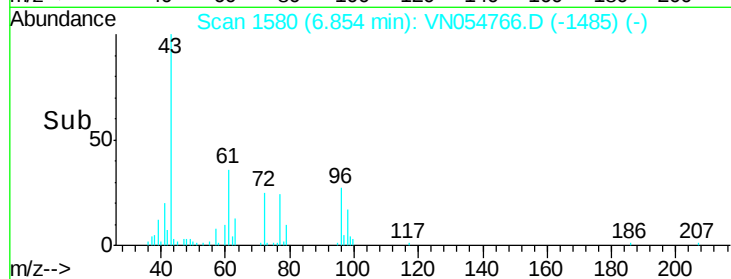
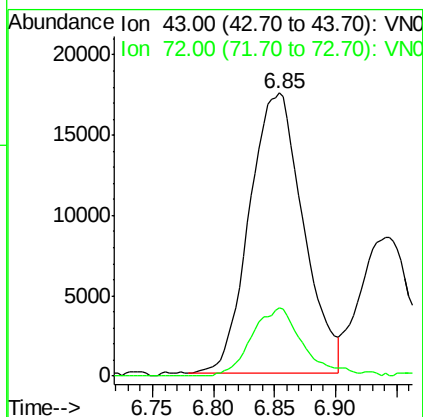
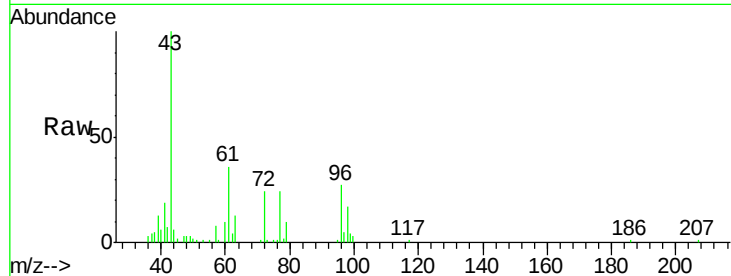




#25
2-Butanone
Concen: 26.14 ug/l
RT: 6.85 min Scan# 1580
Delta R.T. 0.01 min
Lab File: VN054766.D
Acq: 29 Mar 2019 13:04

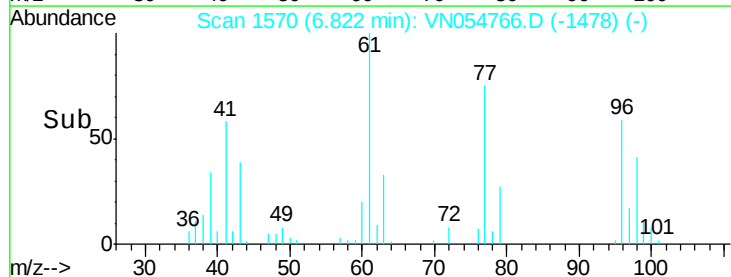
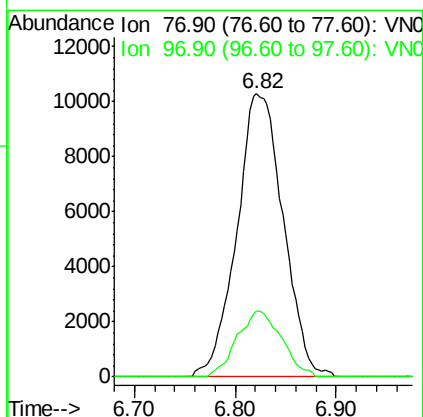
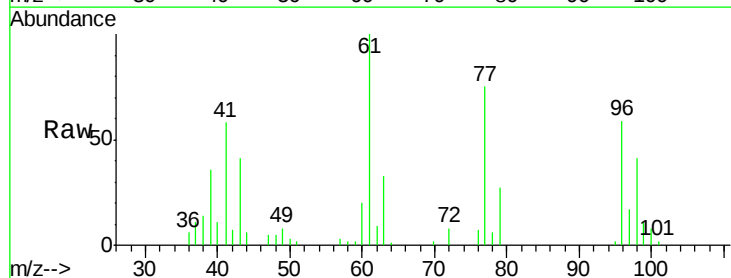
Instrument :
MSVOA_N
ClientSampleId :

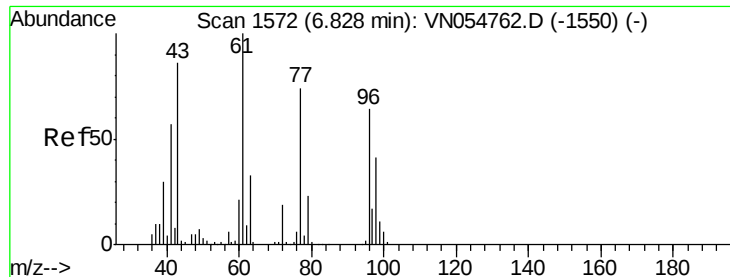
Tot Ion: 43 Resp: 53547
Ion Ratio Lower Upper
43 100
72 24.5 23.0 34.6



#26
2,2-Dichloropropane
Concen: 5.33 ug/l
RT: 6.82 min Scan# 1570
Delta R.T. -0.00 min
Lab File: VN054766.D
Acq: 29 Mar 2019 13:04

Tgt Ion: 77 Resp: 32874
Ion Ratio Lower Upper
77 100
97 22.4 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 5.37 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN054766.D

Acq: 29 Mar 2019 13:04

Instrument :
MSVOA_N
ClientSampleId :

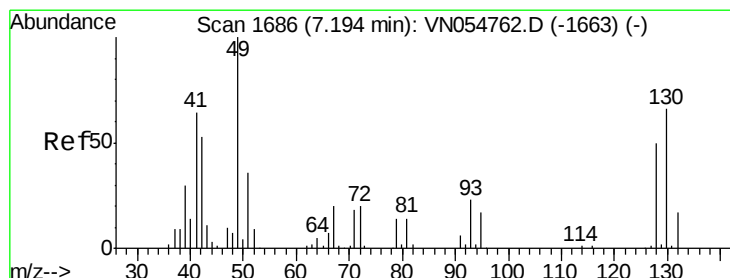
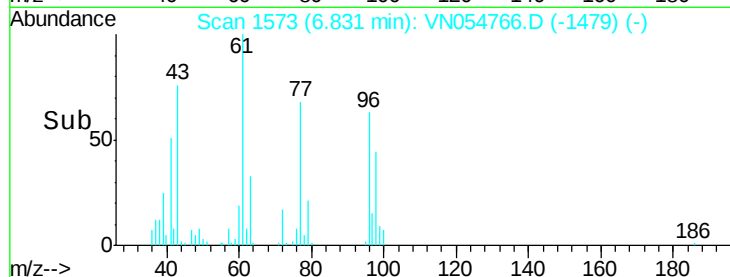
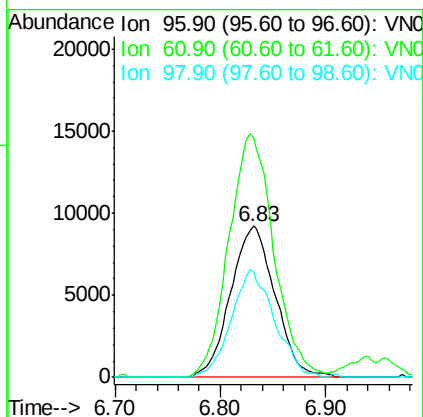
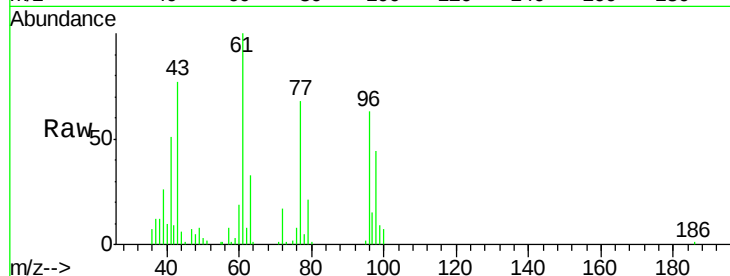
Tot Ion: 96 Resp: 27021

Ion Ratio Lower Upper

96 100

61 162.6 0.0 273.0

98 69.2 0.0 130.6



#28

Bromochloromethane

Concen: 5.50 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN054766.D

Acq: 29 Mar 2019 13:04

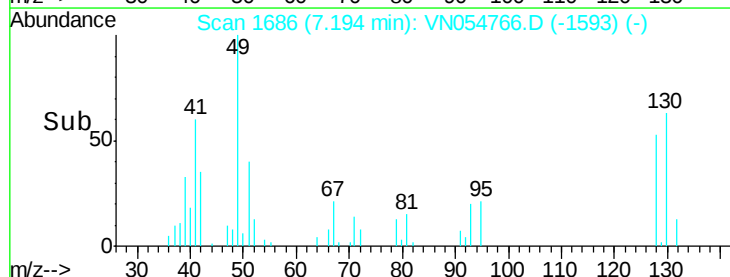
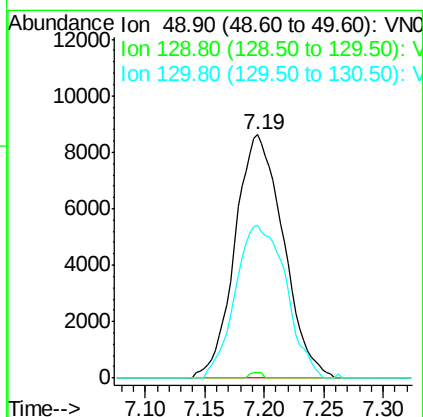
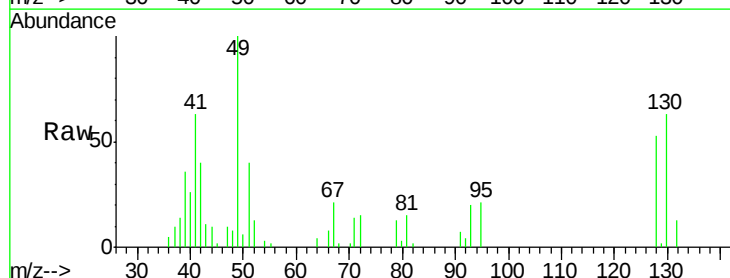
Tgt Ion: 49 Resp: 24224

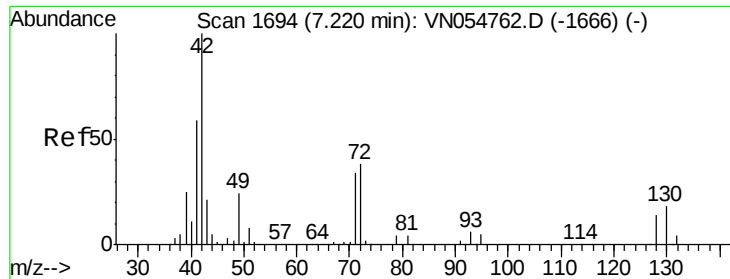
Ion Ratio Lower Upper

49 100

129 0.6 0.0 4.6

130 65.9 76.7 115.1#

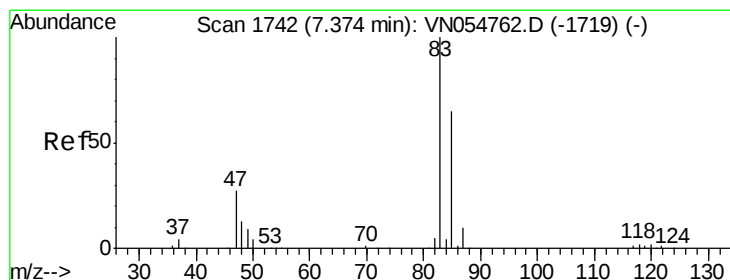
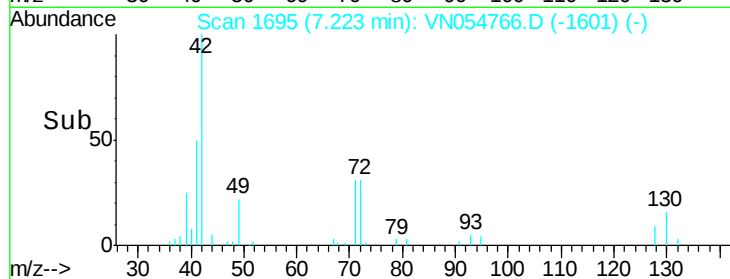
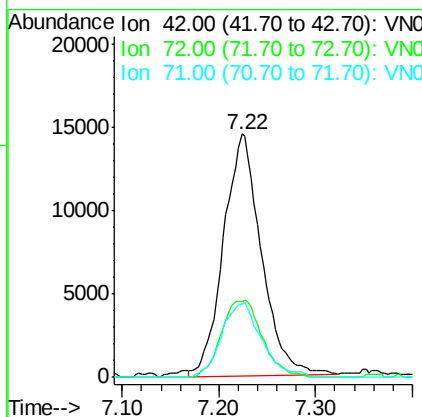
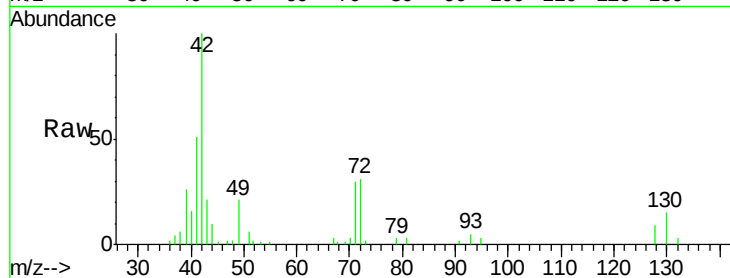




#29
Tetrahydrofuran
Concen: 27.66 ug/l
RT: 7.22 min Scan# 1695
Delta R.T. 0.00 min
Lab File: VN054766.D
Acq: 29 Mar 2019 13:04

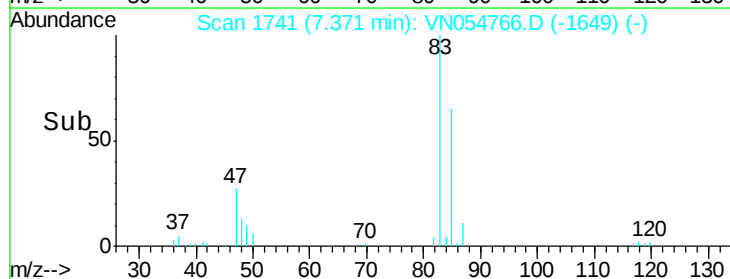
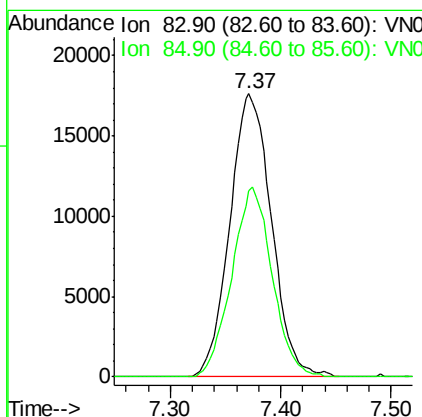
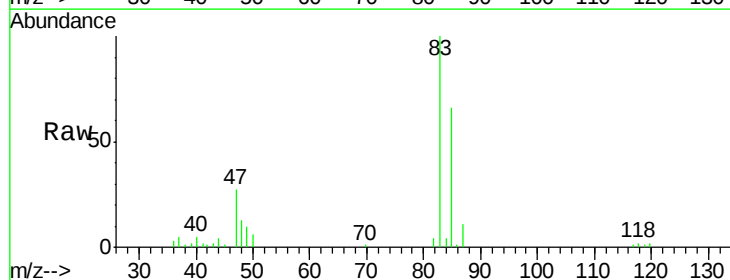
Instrument :
MSVOA_N
ClientSampleId :

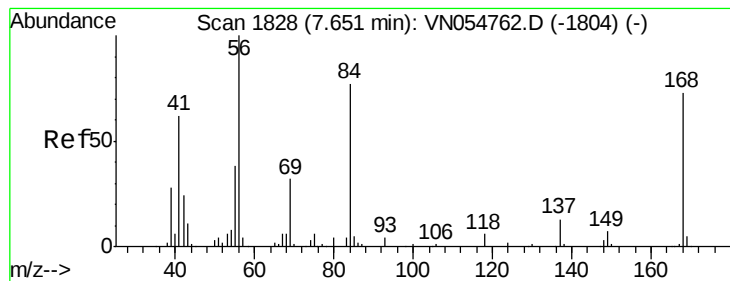
Tot Ion: 42 Resp: 39415
Ion Ratio Lower Upper
42 100
72 34.5 37.8 56.6#
71 32.3 36.2 54.2#



#30
Chloroform
Concen: 5.49 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN054766.D
Acq: 29 Mar 2019 13:04

Tgt Ion: 83 Resp: 46072
Ion Ratio Lower Upper
83 100
85 65.6 52.2 78.4





#31

Cyclohexane

Concen: 4.69 ug/l

RT: 7.65 min Scan# 1829

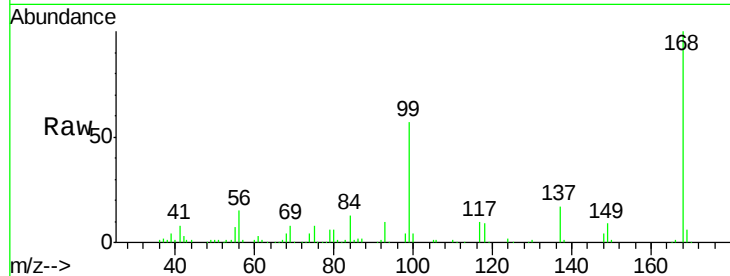
Delta R.T. 0.00 min

Lab File: VN054766.D

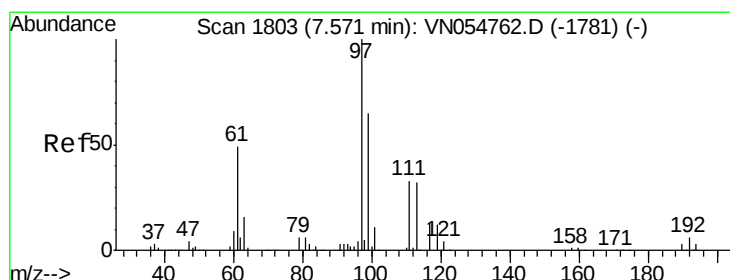
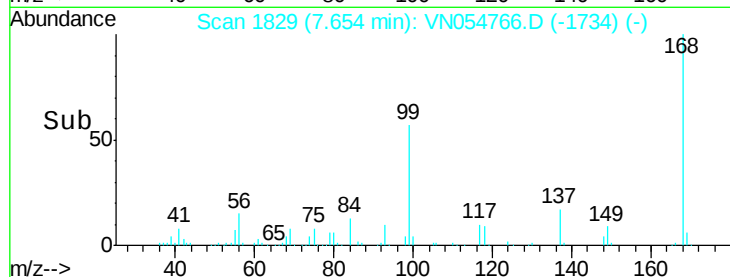
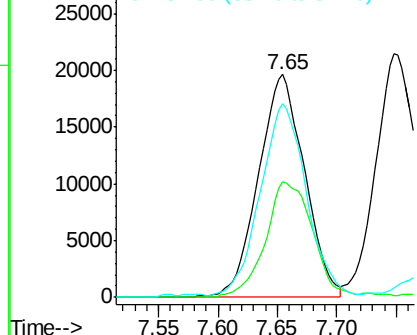
Acq: 29 Mar 2019 13:04

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 52631
Ion Ratio Lower Upper
56 100
69 51.8 27.8 41.6#
84 85.6 74.6 111.8



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



#32

1,1,1-Trichloroethane

Concen: 5.29 ug/l

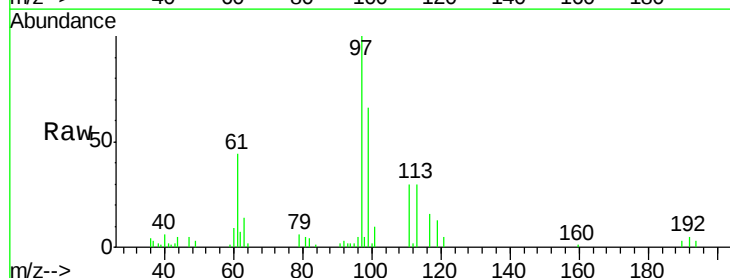
RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

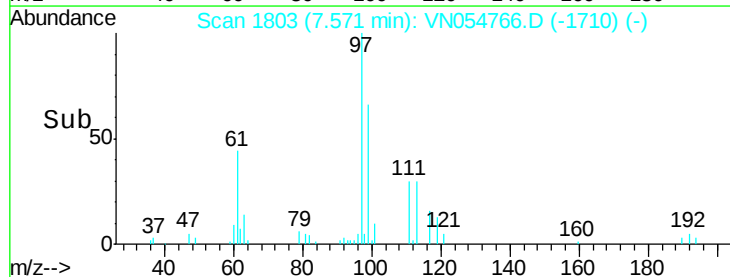
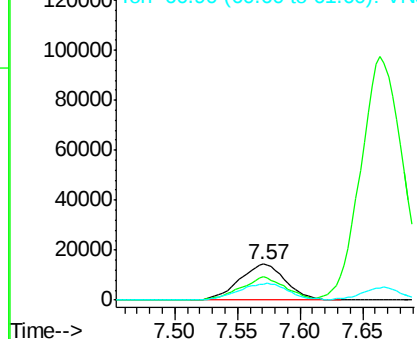
Lab File: VN054766.D

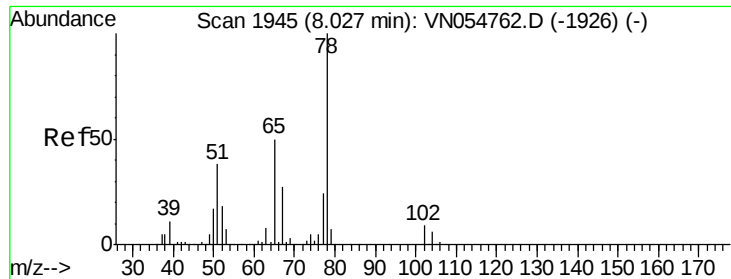
Acq: 29 Mar 2019 13:04

Tgt Ion: 97 Resp: 36822
Ion Ratio Lower Upper
97 100
99 62.5 51.5 77.3
61 49.5 33.6 50.4



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





#33

1,2-Dichloroethane-d4

Concen: 5.17 ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN054766.D

Acq: 29 Mar 2019 13:04

Instrument :

MSVOA_N

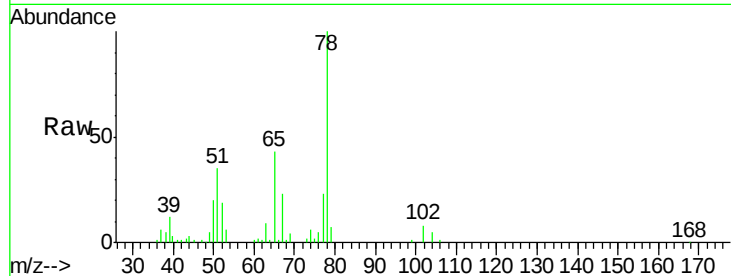
ClientSampleId :

Tot Ion: 65 Resp: 30042

Ion Ratio Lower Upper

65 100

67 56.1 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

8.03

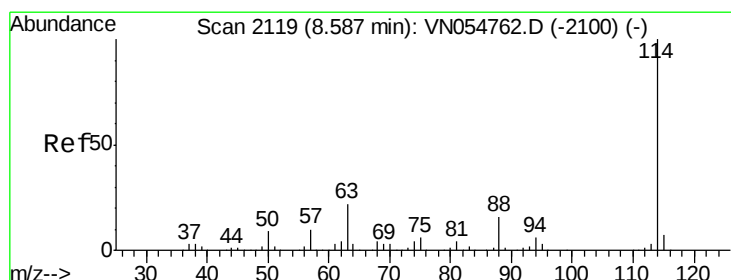
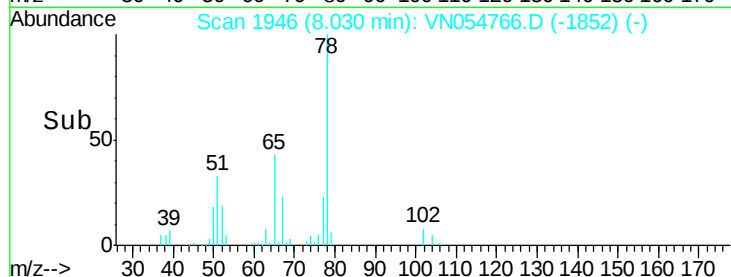
15000

10000

5000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN054766.D

Acq: 29 Mar 2019 13:04

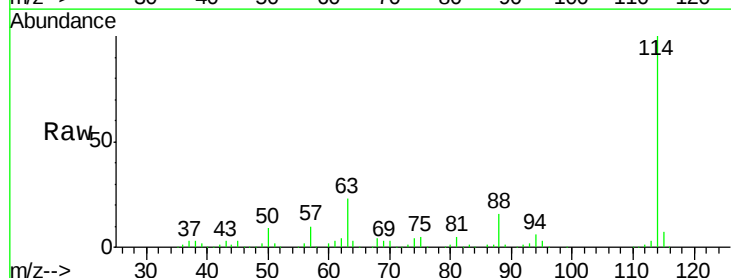
Tgt Ion: 114 Resp: 709132

Ion Ratio Lower Upper

114 100

63 22.5 0.0 35.2

88 15.5 0.0 30.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0

8.59

400000

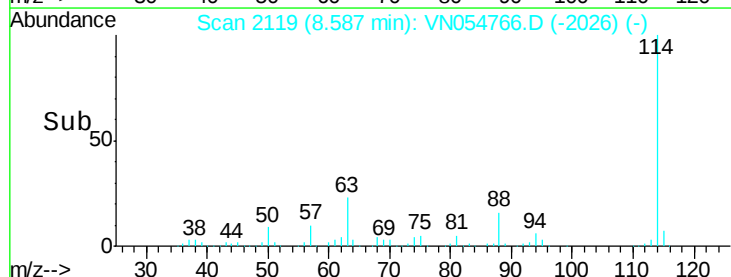
300000

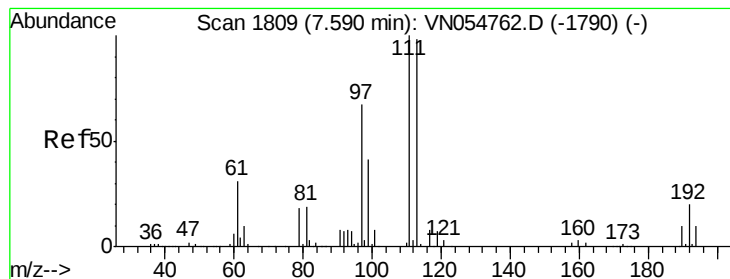
200000

100000

0

Time-->





#35

Dibromofluoromethane

Concen: 5.06 ug/l

RT: 7.60 min Scan# 1811

Delta R.T. 0.01 min

Lab File: VN054766.D

Acq: 29 Mar 2019 13:04

Instrument :
MSVOA_N
ClientSampleId :

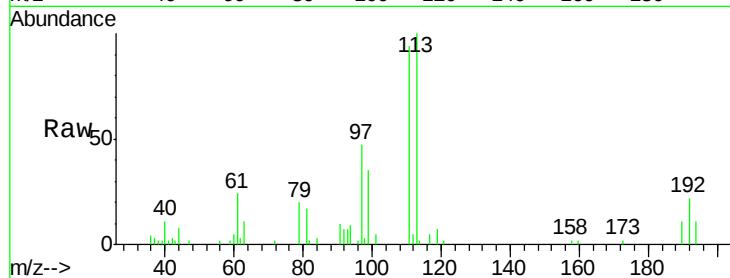
Tot Ion:113 Resp: 23915

Ion Ratio Lower Upper

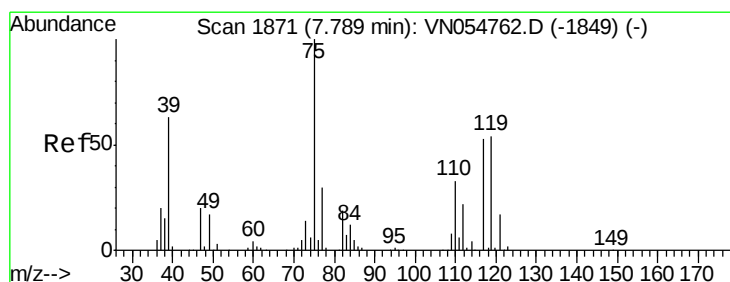
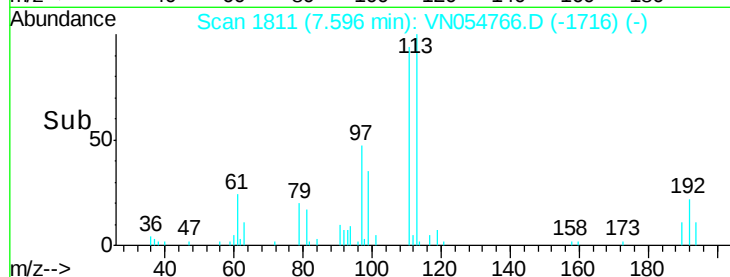
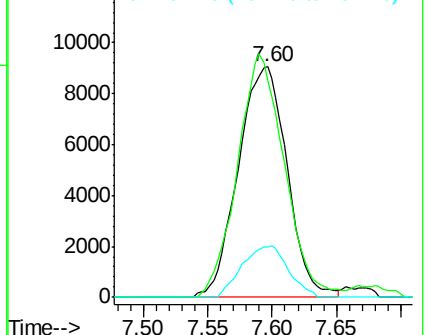
113 100

111 101.2 82.2 123.4

192 21.0 19.2 28.8



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: 5.38 ug/l

RT: 7.79 min Scan# 1871

Delta R.T. 0.00 min

Lab File: VN054766.D

Acq: 29 Mar 2019 13:04

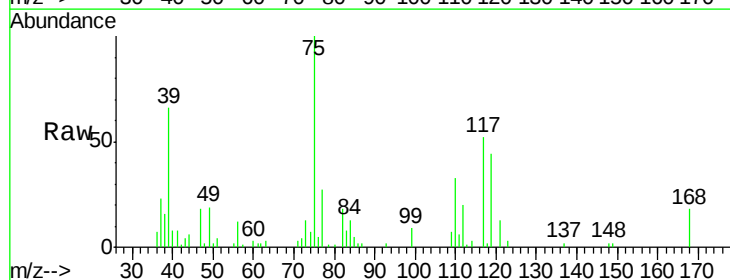
Tgt Ion: 75 Resp: 34802

Ion Ratio Lower Upper

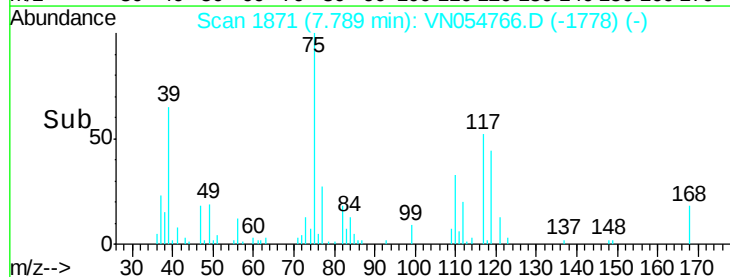
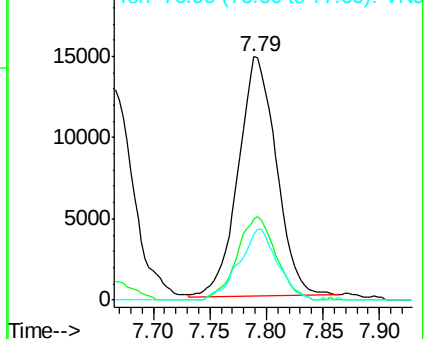
75 100

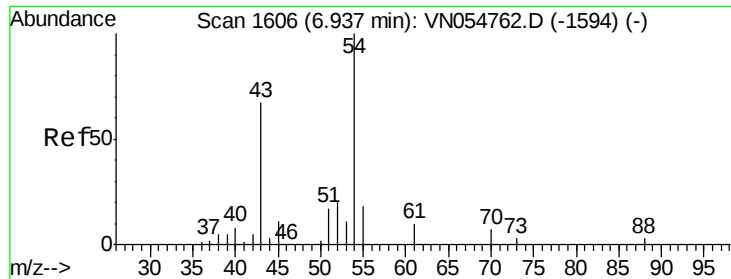
110 35.4 19.1 57.5

77 29.6 25.0 37.4



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

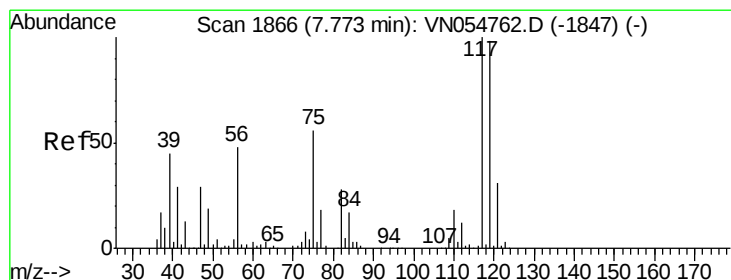
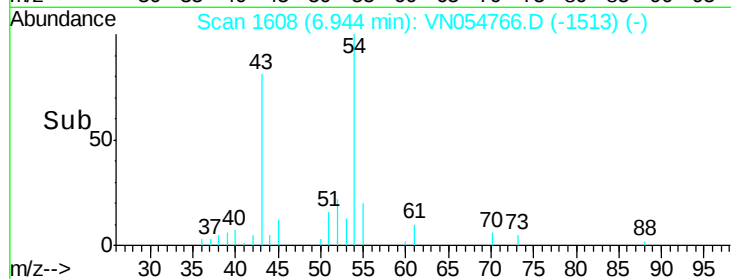
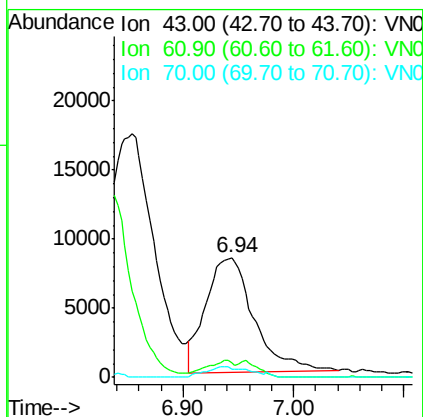
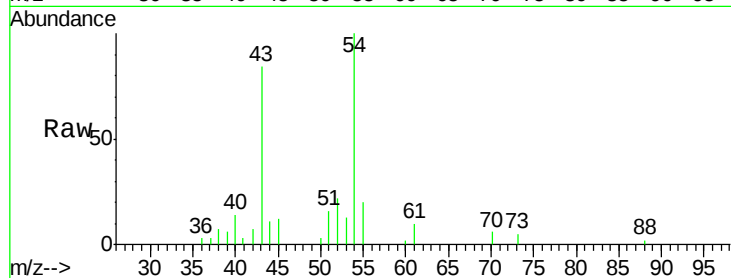




#37
Ethyl Acetate
Concen: 5.24 ug/l
RT: 6.94 min Scan# 1608
Delta R.T. 0.01 min
Lab File: VN054766.D
Acq: 29 Mar 2019 13:04

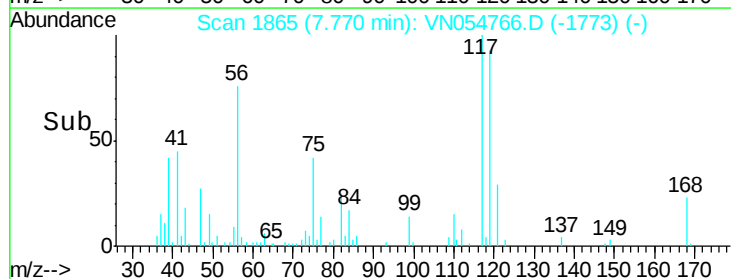
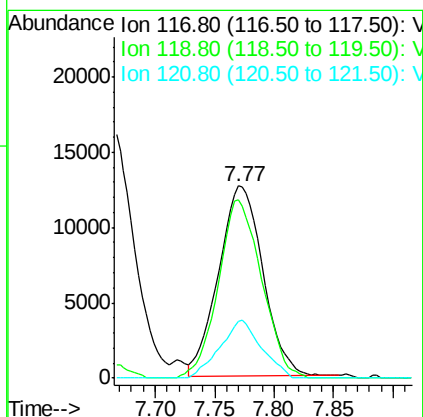
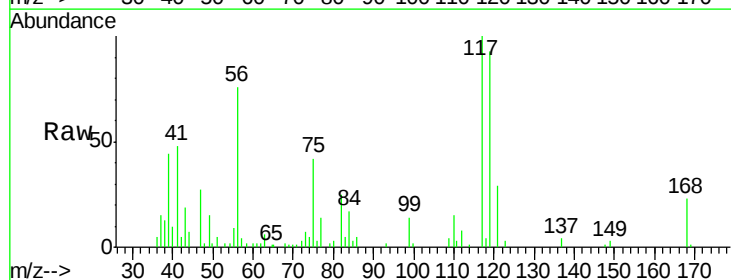
Instrument :
MSVOA_N
ClientSampled :

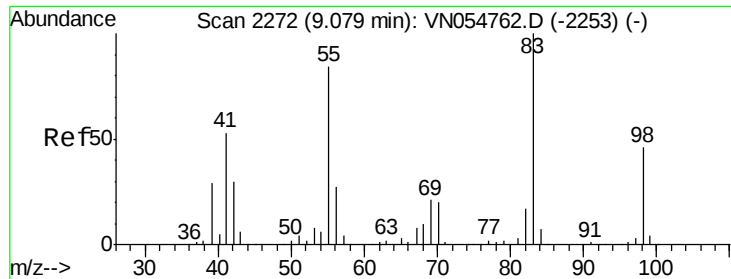
Tot Ion: 43 Resp: 24895
Ion Ratio Lower Upper
43 100
61 8.9 11.8 17.6#
70 8.7 8.4 12.6



#38
Carbon Tetrachloride
Concen: 5.09 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN054766.D
Acq: 29 Mar 2019 13:04

Tgt Ion: 117 Resp: 32689
Ion Ratio Lower Upper
117 100
119 94.4 76.3 114.5
121 29.9 24.6 36.8

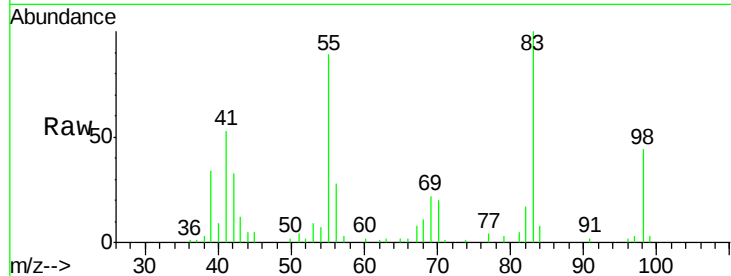




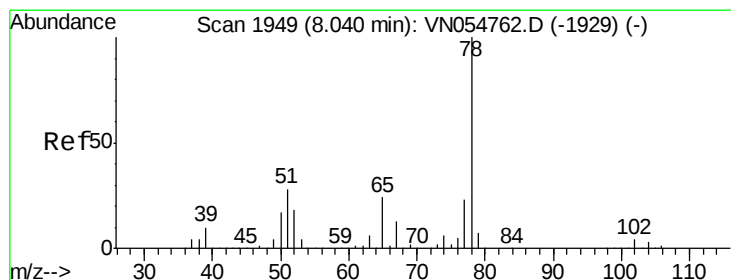
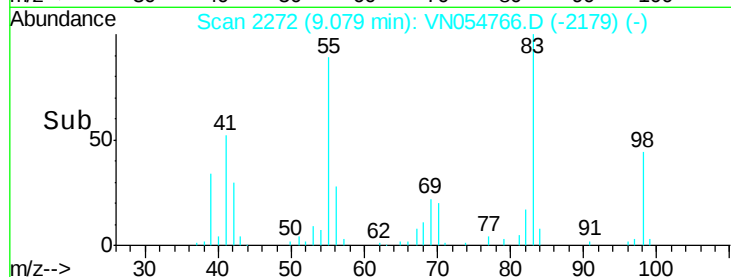
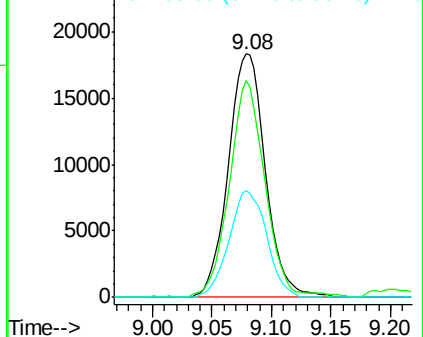
#39
Methylvlcvclohexane
Concen: 5.45 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN054766.D
Acq: 29 Mar 2019 13:04

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 83 Resp: 39596
Ion Ratio Lower Upper
83 100
55 89.2 56.6 84.8#
98 43.8 38.4 57.6

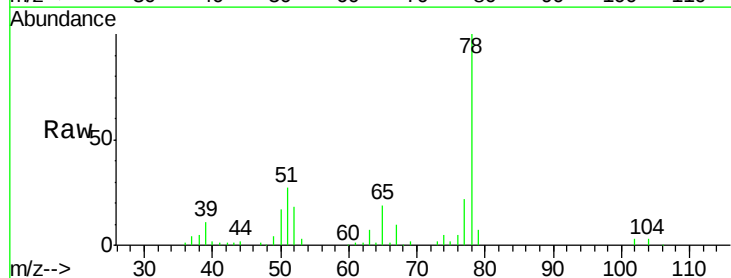


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

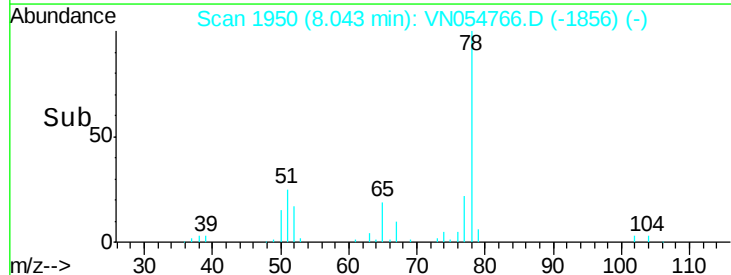
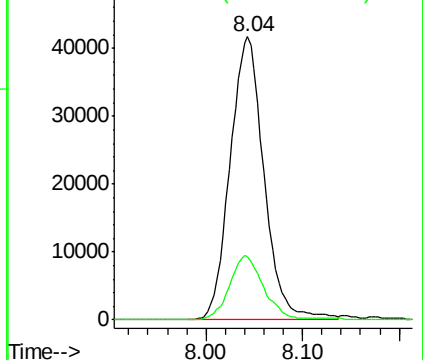


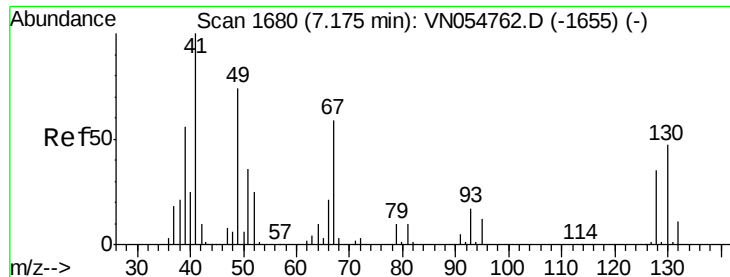
#40
Benzene
Concen: 5.38 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN054766.D
Acq: 29 Mar 2019 13:04

Tgt Ion: 78 Resp: 101763
Ion Ratio Lower Upper
78 100
77 22.2 19.1 28.7



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0





#41

Methacrylonitrile

Concen: 5.30 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. 0.00 min

Lab File: VN054766.D

Acq: 29 Mar 2019 13:04

Instrument :

MSVOA_N

ClientSampled :

Tot Ion: 41 Resp: 14433

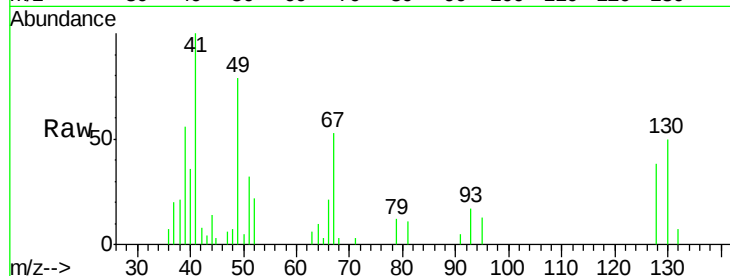
Ion Ratio Lower Upper

41 100

39 41.5 46.8 70.2#

67 62.1 67.0 100.4#

52 14.9 26.5 39.7#

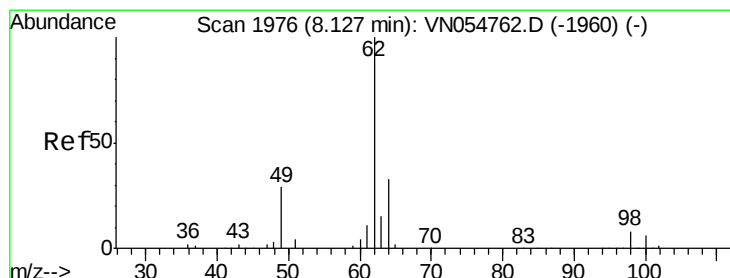
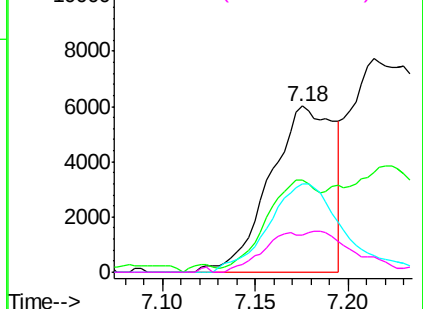
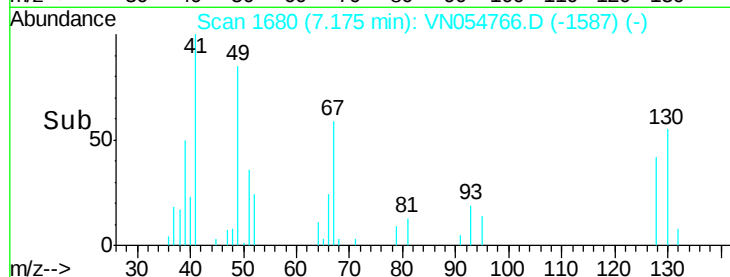


Abundance Ion 41.00 (40.70 to 41.70): VNC

Ion 39.00 (38.70 to 39.70): VNC

Ion 67.00 (66.70 to 67.70): VNC

Ion 52.00 (51.70 to 52.70): VNC



#42

1,2-Dichloroethane

Concen: 5.54 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. -0.00 min

Lab File: VN054766.D

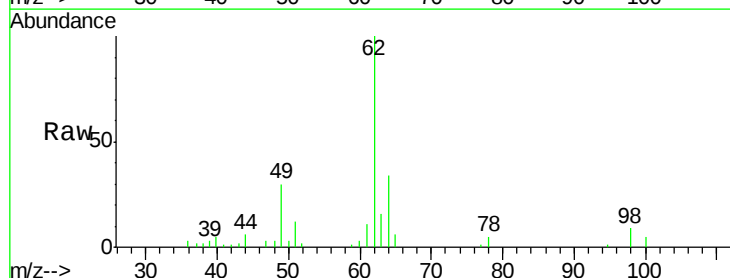
Acq: 29 Mar 2019 13:04

Tgt Ion: 62 Resp: 37430

Ion Ratio Lower Upper

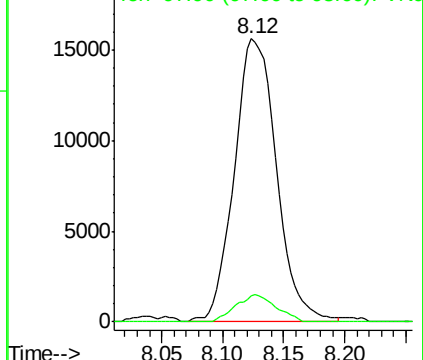
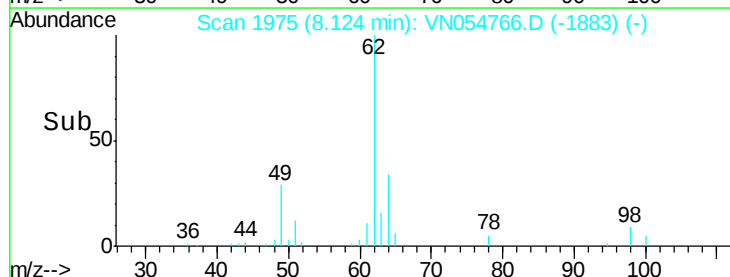
62 100

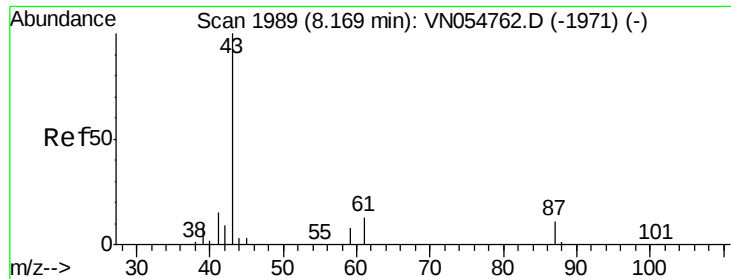
98 9.2 0.0 18.4



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 97.90 (97.60 to 98.60): VNC





#43

Isopropyl Acetate

Concen: 5.27 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN054766.D

Acq: 29 Mar 2019 13:04

Instrument :

MSVOA_N

ClientSampleId :

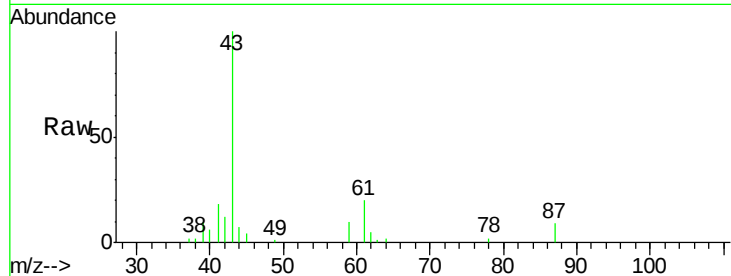
Tot Ion: 43 Resp: 41464

Ion Ratio Lower Upper

43 100

61 18.2 15.8 23.8

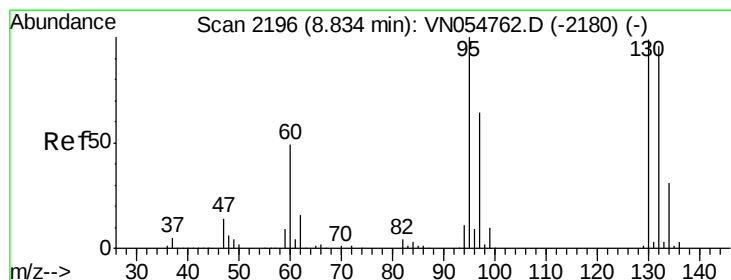
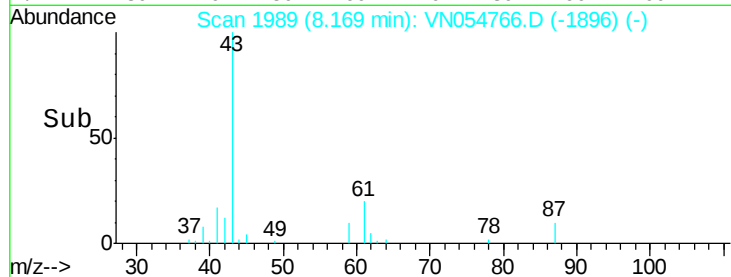
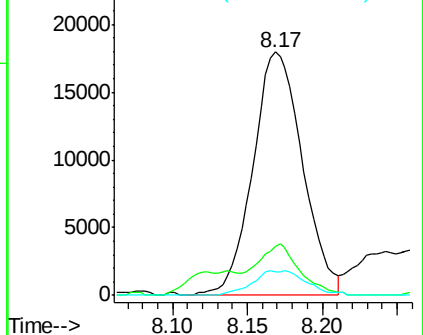
87 5.0 12.0 18.0#



Abundance Ion 43.00 (42.70 to 43.70): VN054766.D (-1971) (-)

Ion 61.00 (60.70 to 61.70): VN054766.D (-1971) (-)

Ion 87.00 (86.70 to 87.70): VN054766.D (-1971) (-)



#44

Trichloroethene

Concen: 5.47 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN054766.D

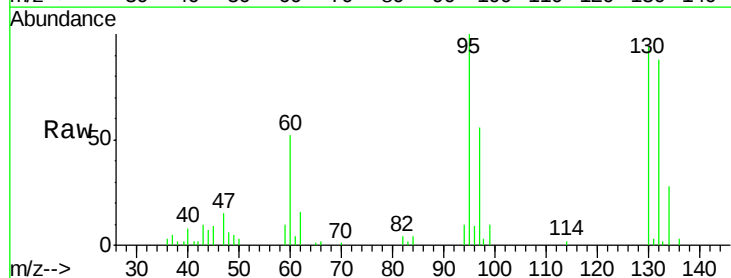
Acq: 29 Mar 2019 13:04

Tgt Ion:130 Resp: 26846

Ion Ratio Lower Upper

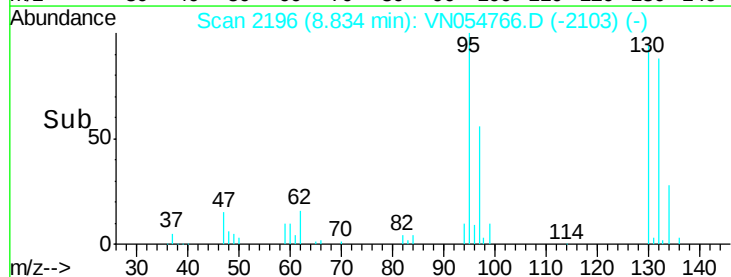
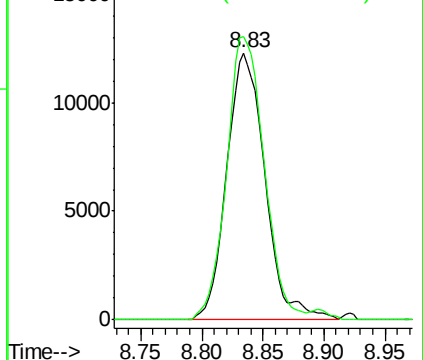
130 100

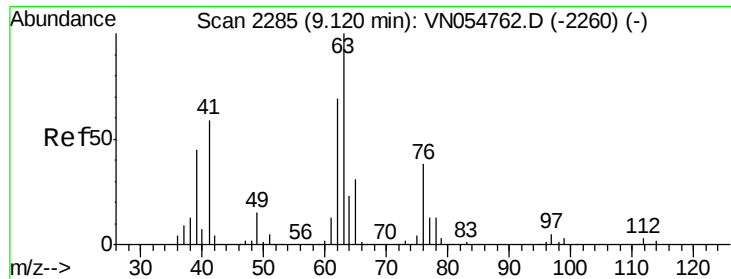
95 105.9 0.0 185.2



Abundance Ion 129.80 (129.50 to 130.50): VN054766.D (-2180) (-)

Ion 94.90 (94.60 to 95.60): VN054766.D (-2180) (-)





#45

1,2-Dichloropropane

Concen: 5.46 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN054766.D

Acq: 29 Mar 2019 13:04

Instrument :

MSVOA_N

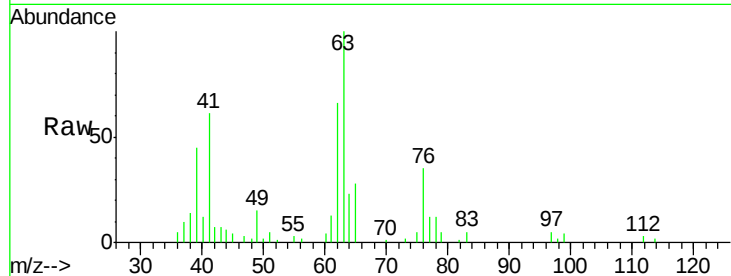
ClientSampleId :

Tot Ion: 63 Resp: 29431

Ion Ratio Lower Upper

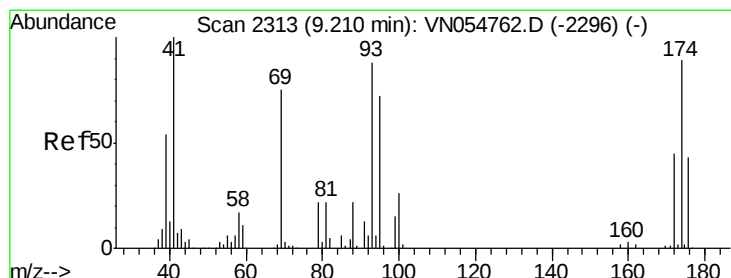
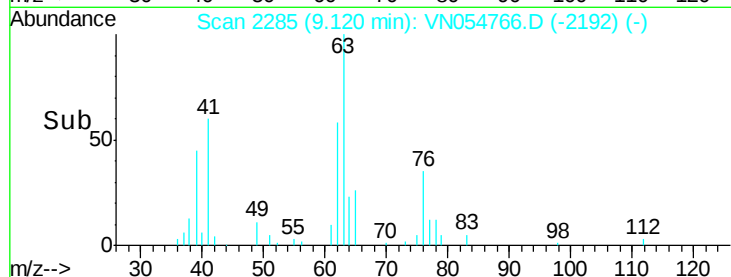
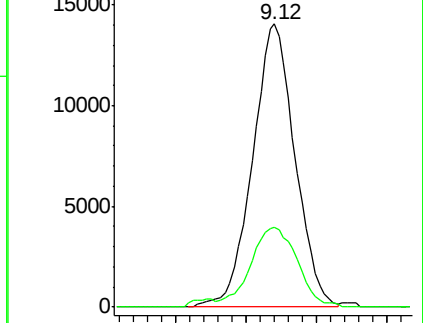
63 100

65 27.2 25.0 37.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 5.26 ug/l

RT: 9.21 min Scan# 2314

Delta R.T. 0.00 min

Lab File: VN054766.D

Acq: 29 Mar 2019 13:04

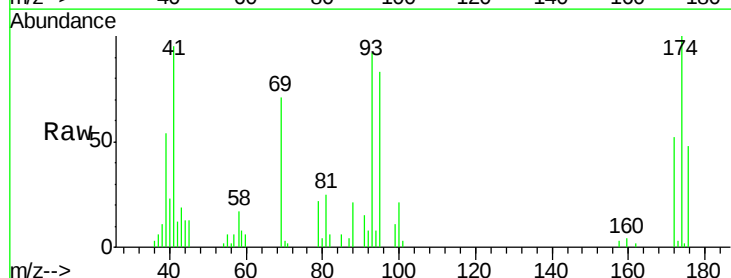
Tgt Ion: 93 Resp: 15963

Ion Ratio Lower Upper

93 100

95 89.8 66.7 100.1

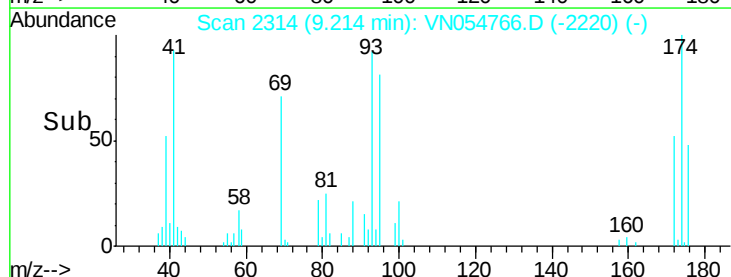
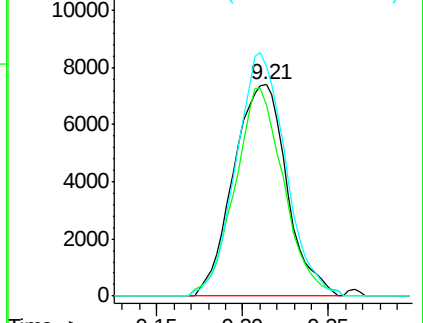
174 106.8 98.5 147.7

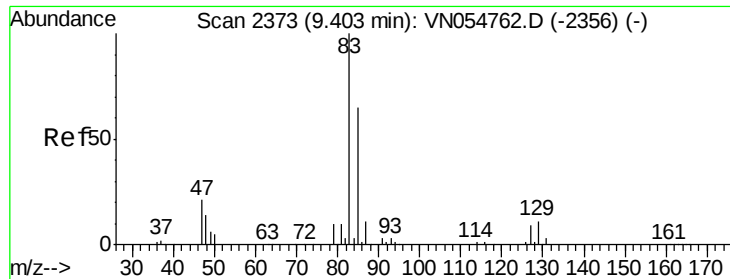


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 5.10 ug/l

RT: 9.40 min Scan# 2373

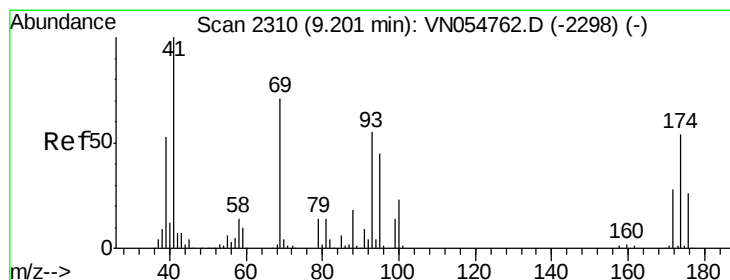
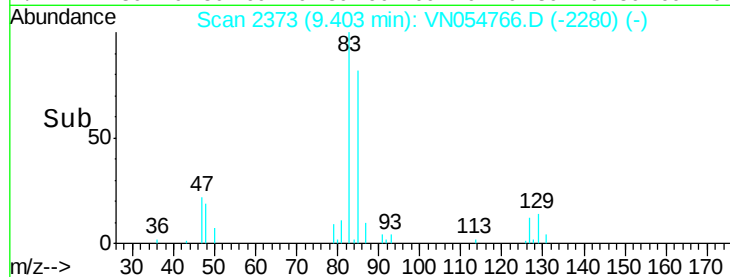
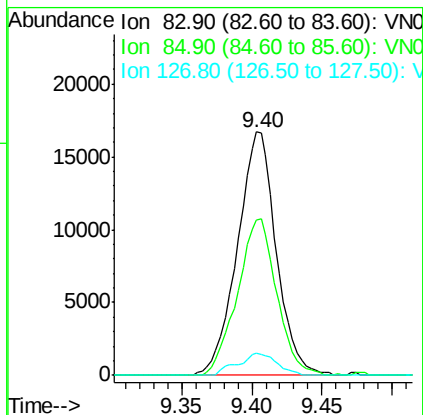
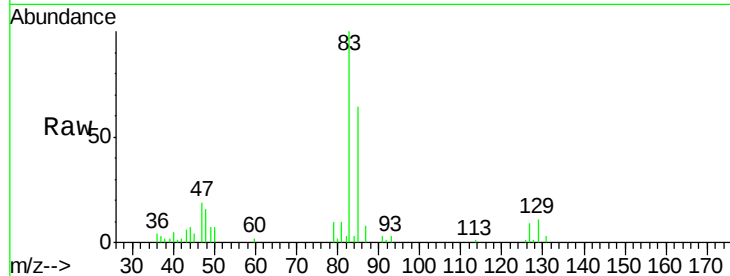
Delta R.T. 0.00 min

Lab File: VN054766.D

Acq: 29 Mar 2019 13:04

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:	83	Resp:	32154
Ion	Ratio	Lower	Upper
83	100		
85	64.0	52.8	79.2
127	9.2	7.4	11.2



#48

Methyl methacrylate

Concen: 4.82 ug/l

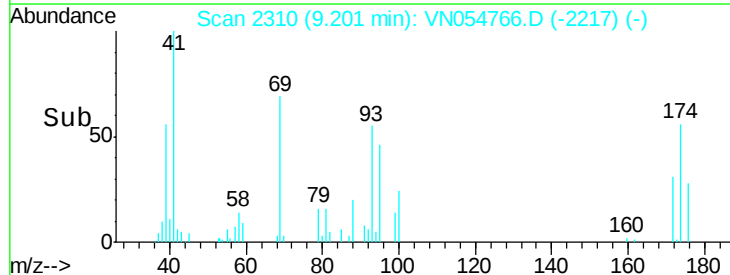
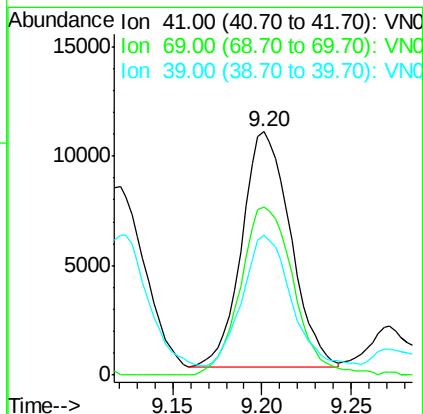
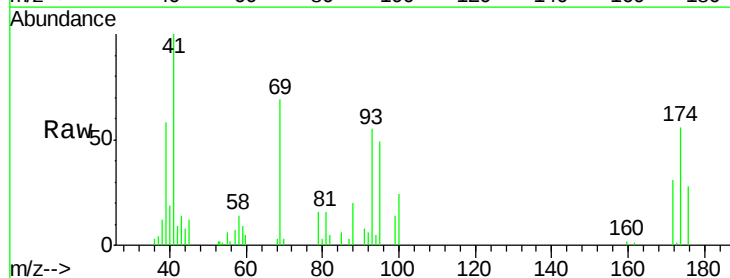
RT: 9.20 min Scan# 2310

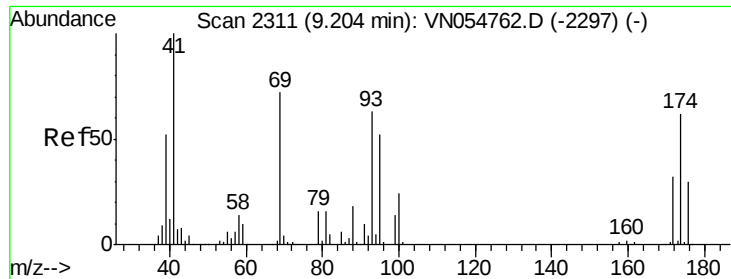
Delta R.T. 0.00 min

Lab File: VN054766.D

Acq: 29 Mar 2019 13:04

Tgt Ion:	41	Resp:	20571
Ion	Ratio	Lower	Upper
41	100		
69	77.7	72.6	108.8
39	61.7	47.5	71.3





#49

1,4-Dioxane

Concen: 111.15 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN054766.D

Acq: 29 Mar 2019 13:04

Instrument :

MSVOA_N

ClientSampled :

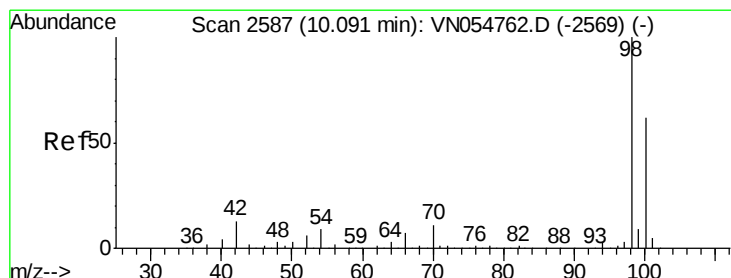
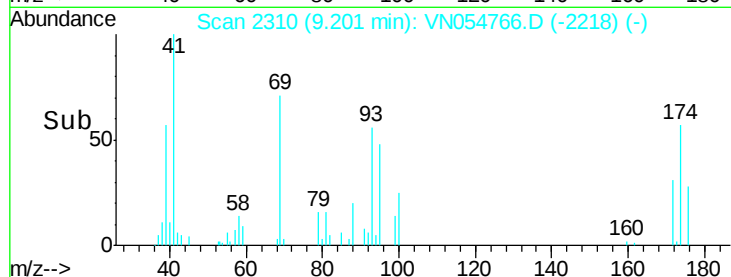
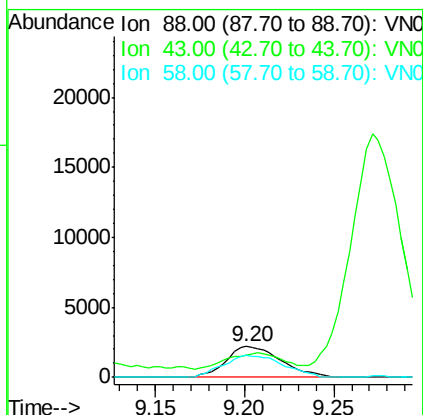
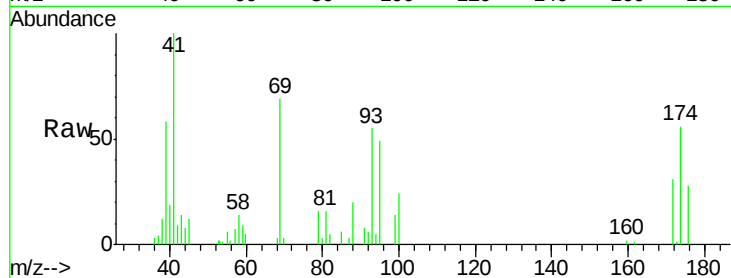
Tot Ion: 88 Resp: 4707

Ion Ratio Lower Upper

88 100

43 52.6 24.1 36.1#

58 77.3 50.8 76.2#



#50

Toluene-d8

Concen: 4.85 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054766.D

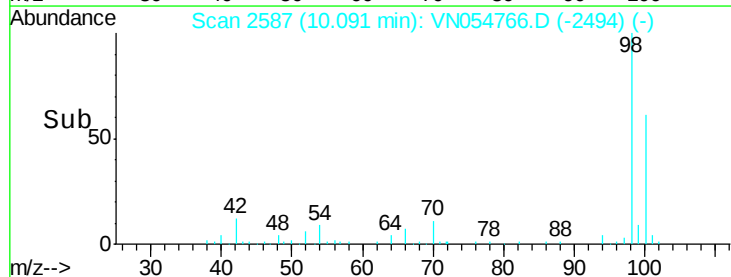
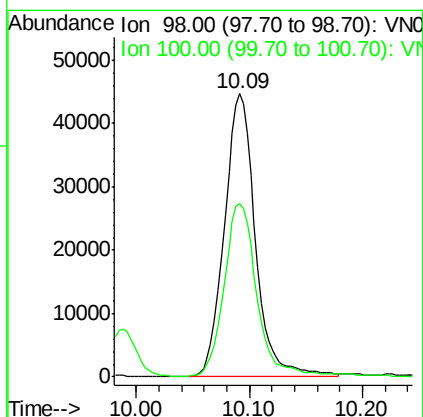
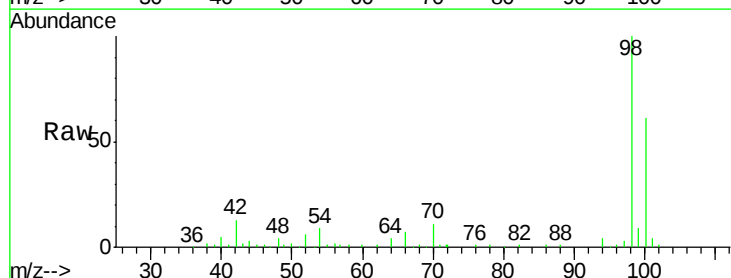
Acq: 29 Mar 2019 13:04

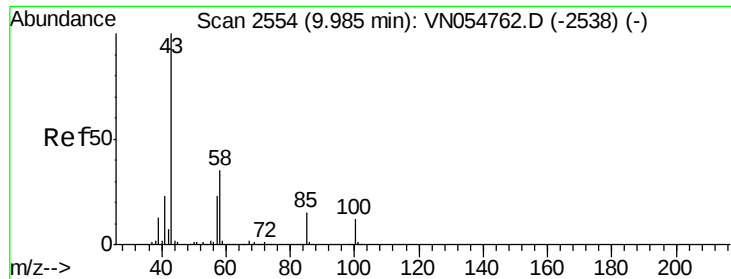
Tgt Ion: 98 Resp: 85237

Ion Ratio Lower Upper

98 100

100 64.5 51.2 76.8





#51

4-Methyl-2-Pentanone

Concen: 25.85 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN054766.D

Acq: 29 Mar 2019 13:04

Instrument :

MSVOA_N

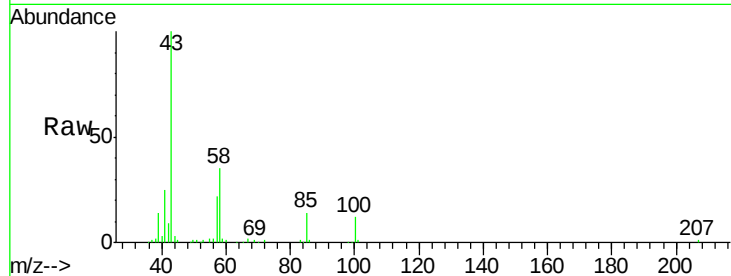
ClientSampleId :

Tot Ion: 43 Resp: 114413

Ion Ratio Lower Upper

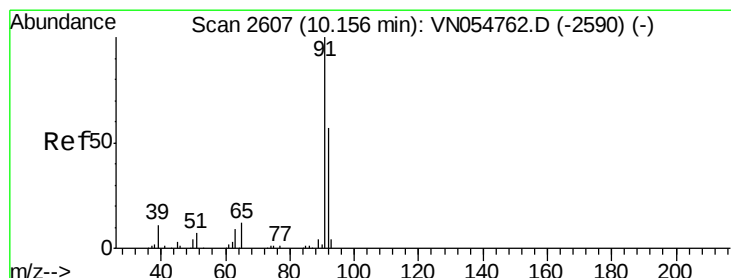
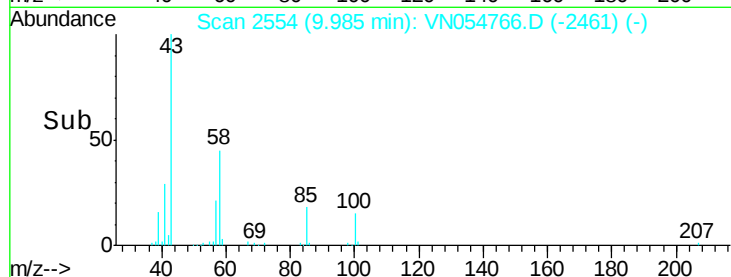
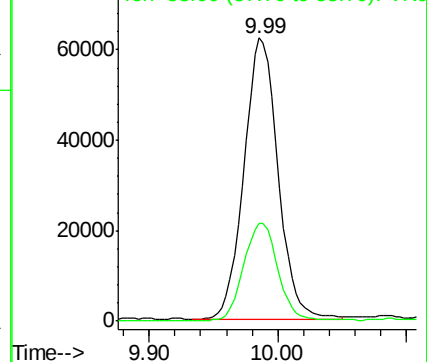
43 100

58 35.1 31.8 47.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 5.29 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN054766.D

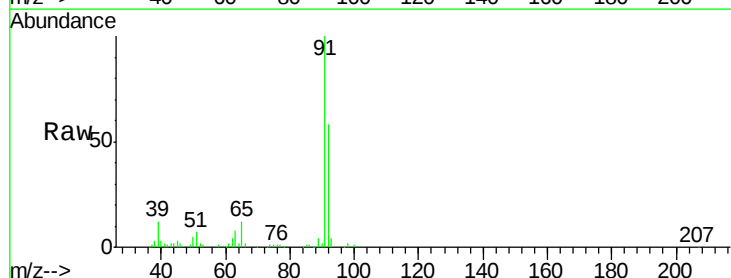
Acq: 29 Mar 2019 13:04

Tgt Ion: 92 Resp: 59550

Ion Ratio Lower Upper

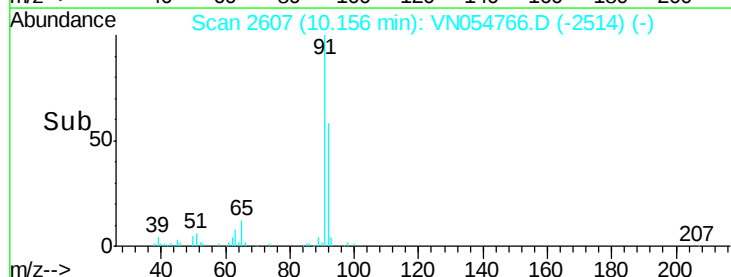
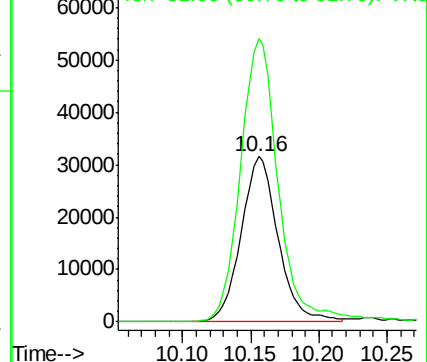
92 100

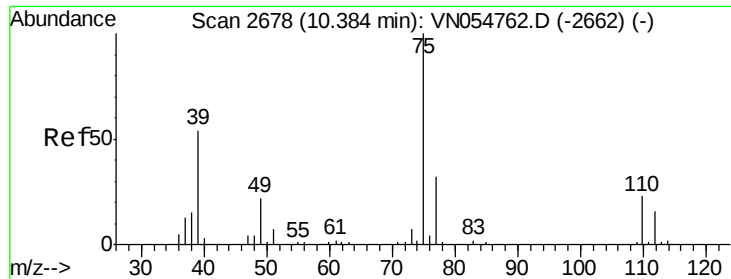
91 176.6 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

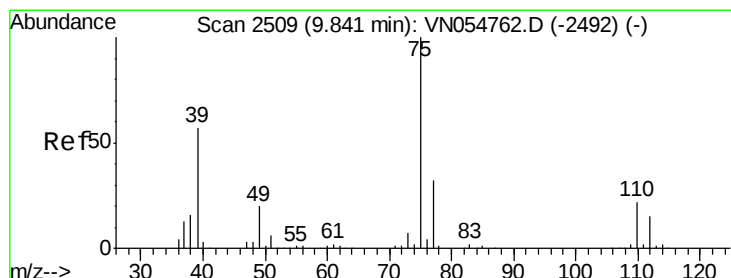
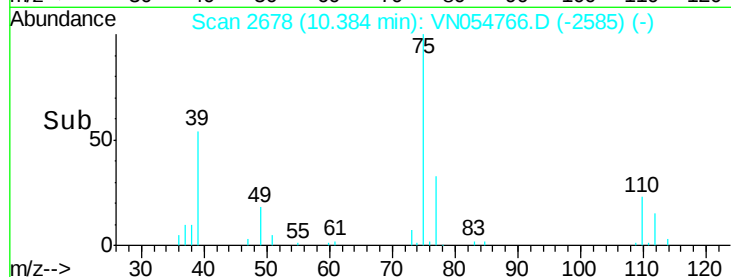
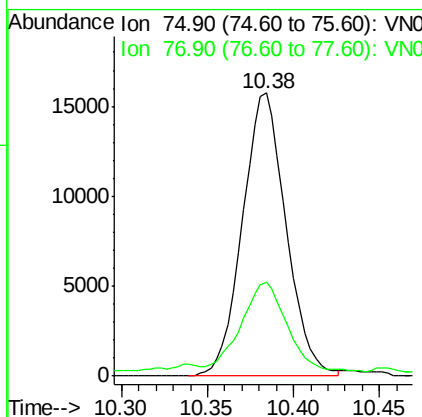
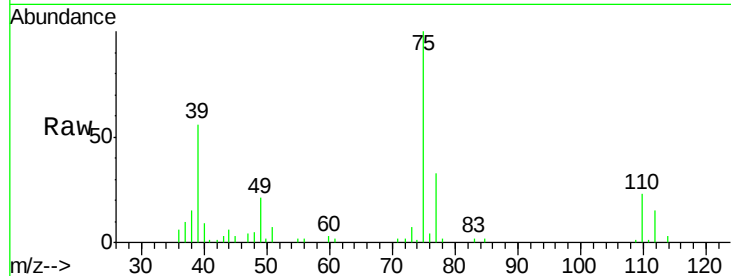




#53
 t-1,3-Dichloropropene
 Concen: 4.67 ug/l
 RT: 10.38 min Scan# 2678
 Delta R.T. 0.00 min
 Lab File: VN054766.D
 Acq: 29 Mar 2019 13:04

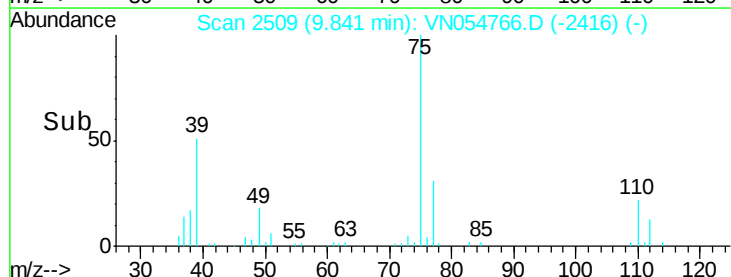
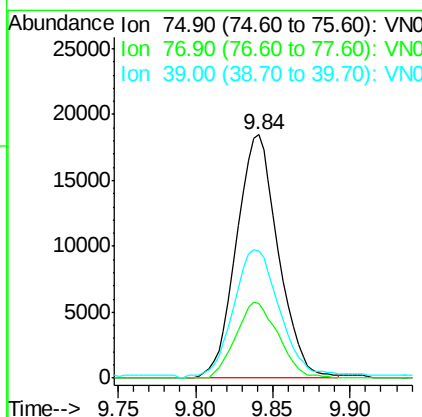
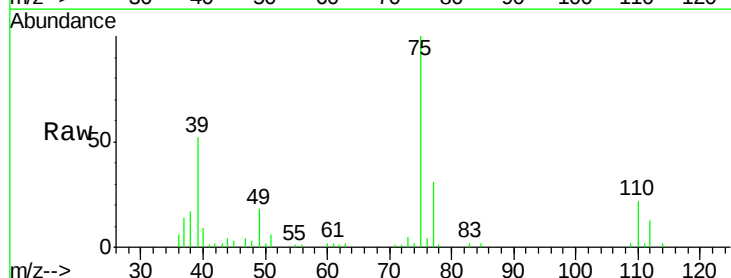
Instrument :
 MSVOA_N
 ClientSampleId :

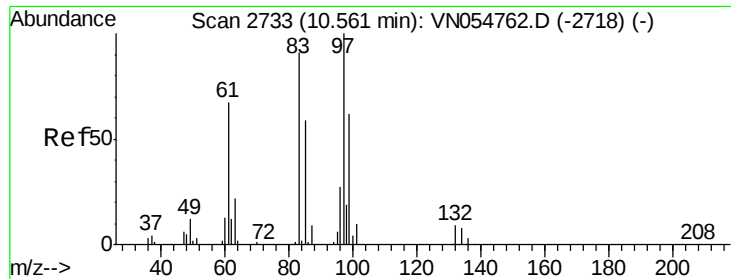
Tot Ion: 75 Resp: 27697
 Ion Ratio Lower Upper
 75 100
 77 30.8 25.8 38.8



#54
 cis-1,3-Dichloropropene
 Concen: 4.90 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN054766.D
 Acq: 29 Mar 2019 13:04

Tgt Ion: 75 Resp: 34733
 Ion Ratio Lower Upper
 75 100
 77 30.6 25.4 38.0
 39 51.3 37.2 55.8





#55

1,1,2-Trichloroethane

Concen: 5.38 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VN054766.D

Acq: 29 Mar 2019 13:04

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 97 Resp: 22507

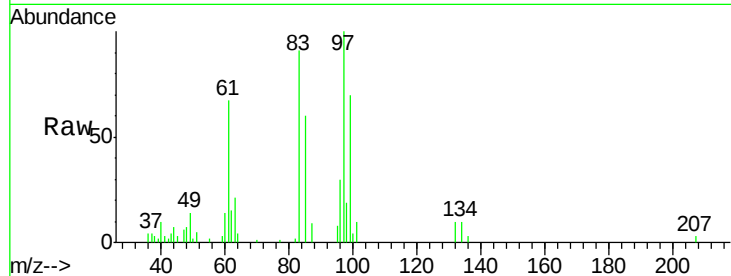
Ion	Ratio	Lower	Upper
97	100		
83	91.2	66.6	100.0
85	60.5	44.4	66.6
99	70.0	50.8	76.2

97 100

83 91.2 66.6 100.0

85 60.5 44.4 66.6

99 70.0 50.8 76.2

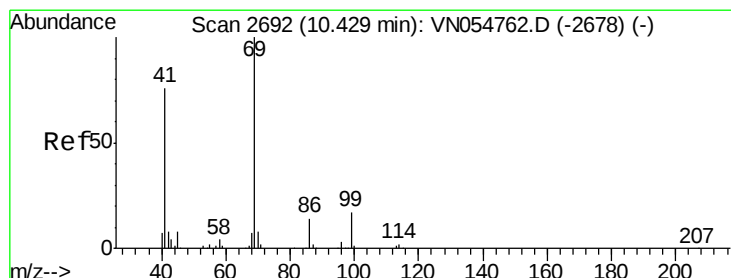
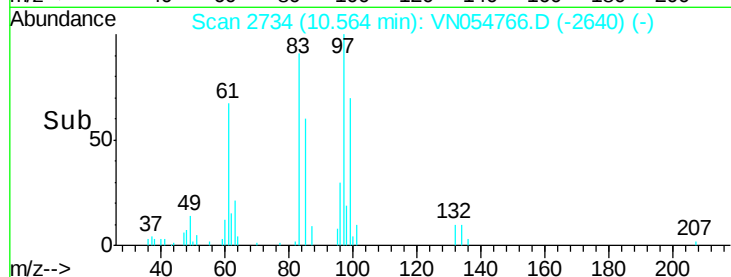
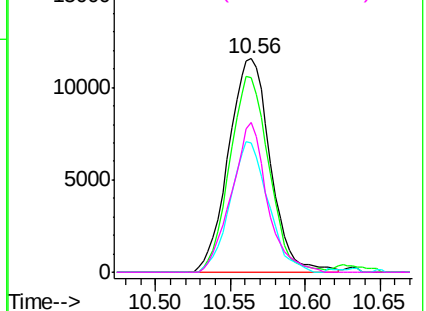


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 5.04 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN054766.D

Acq: 29 Mar 2019 13:04

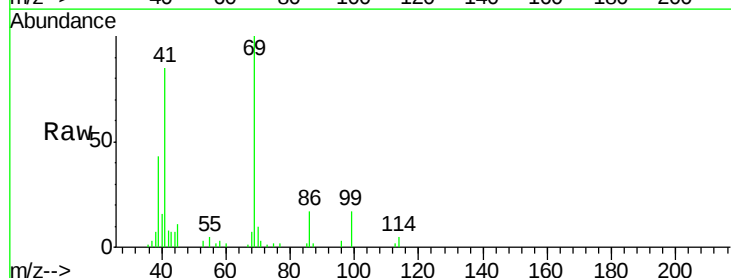
Tgt Ion: 69 Resp: 27632

Ion	Ratio	Lower	Upper
69	100		
41	82.5	49.4	74.2#
39	42.3	28.3	42.5

69 100

41 82.5 49.4 74.2#

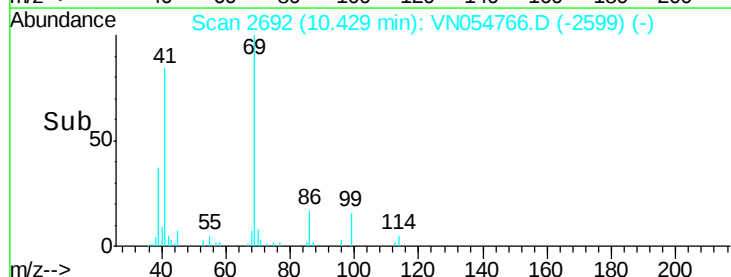
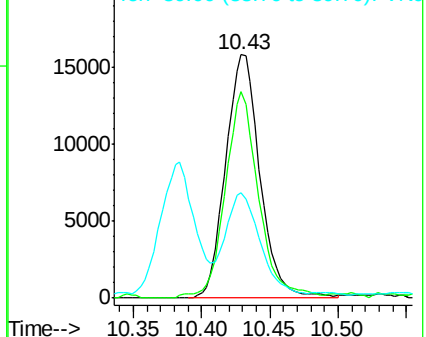
39 42.3 28.3 42.5

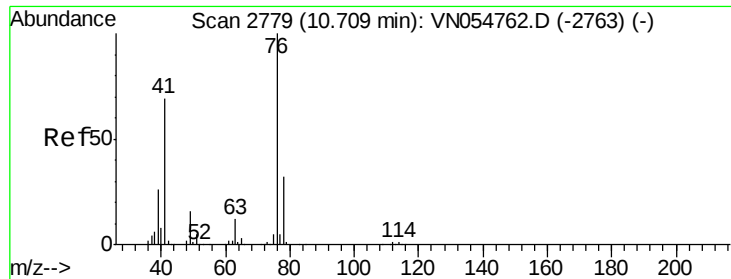


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 5.24 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN054766.D

Acq: 29 Mar 2019 13:04

Instrument :

MSVOA_N

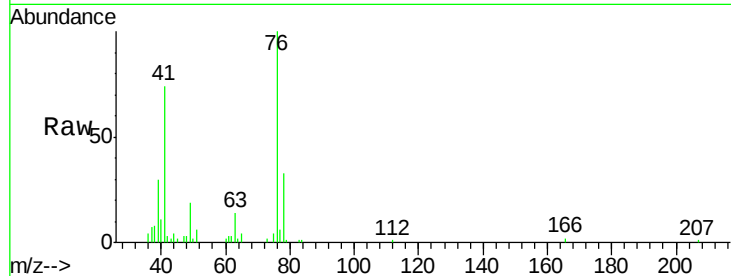
ClientSampleId :

Tot Ion: 76 Resp: 37710

Ion Ratio Lower Upper

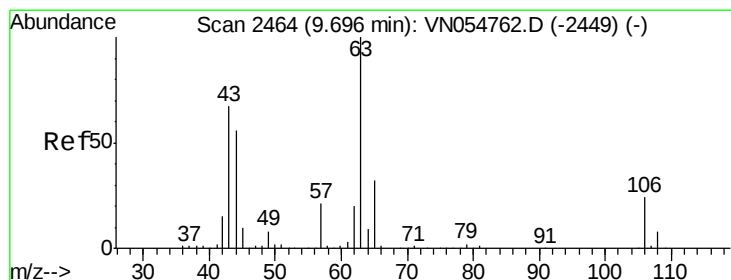
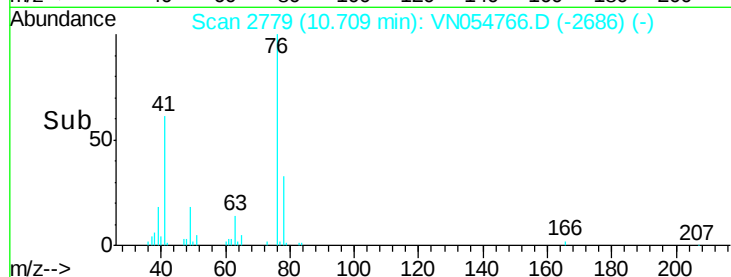
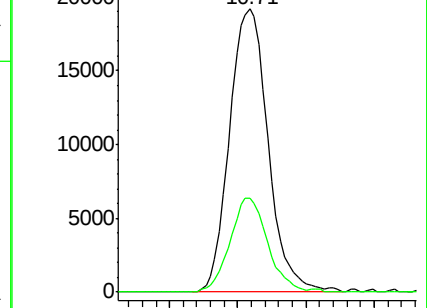
76 100

78 32.3 25.7 38.5



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 29.92 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN054766.D

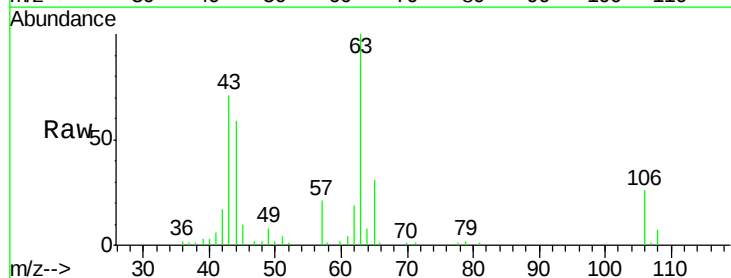
Acq: 29 Mar 2019 13:04

Tgt Ion: 63 Resp: 48260

Ion Ratio Lower Upper

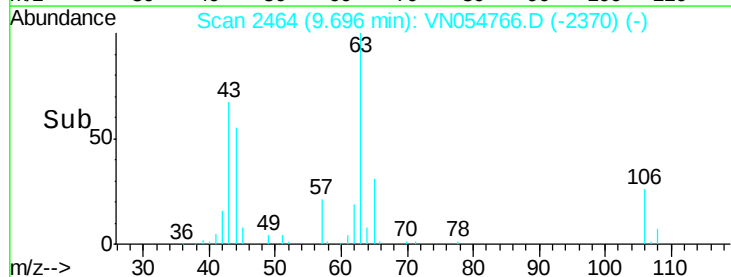
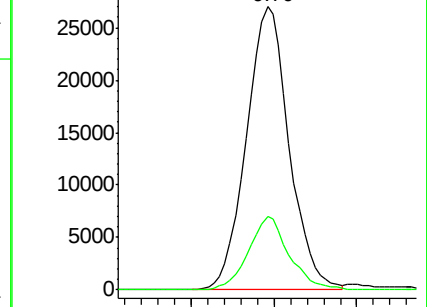
63 100

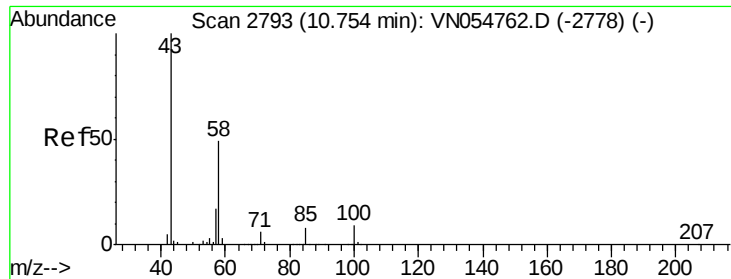
106 24.5 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

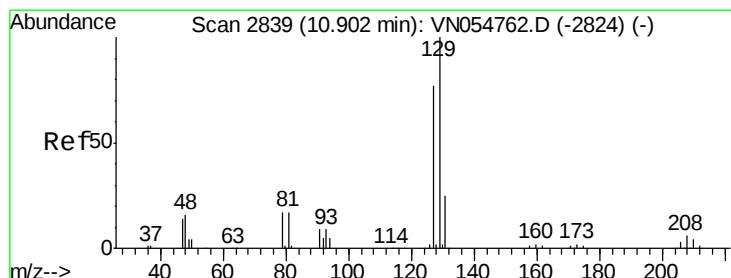
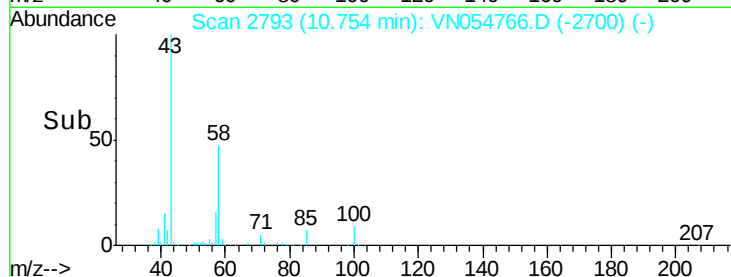
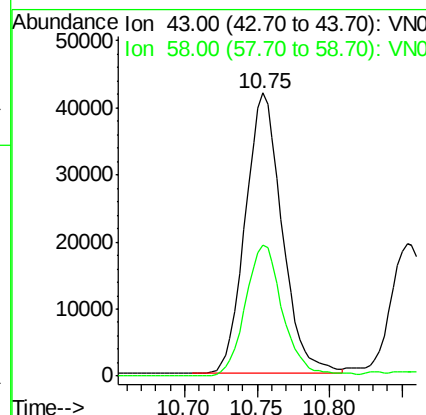
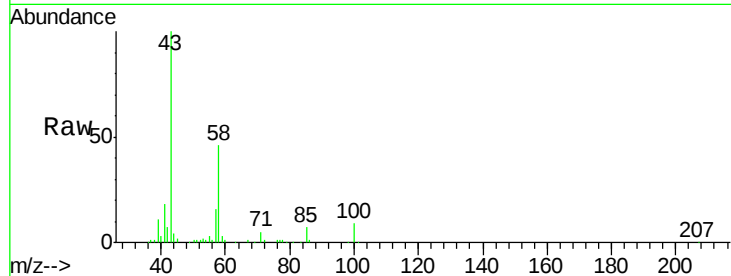




#59
2-Hexanone
Concen: 26.13 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN054766.D
Acq: 29 Mar 2019 13:04

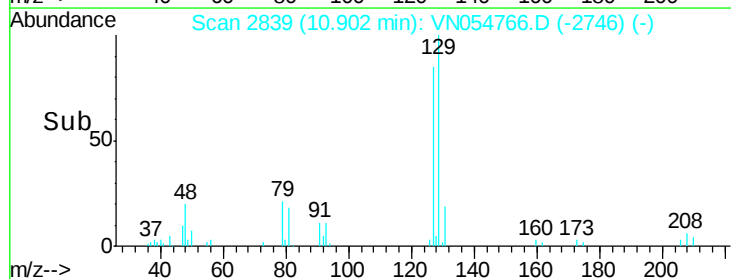
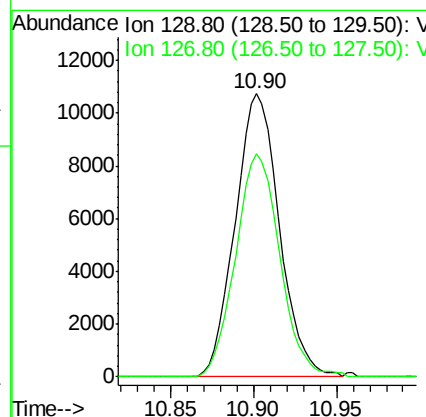
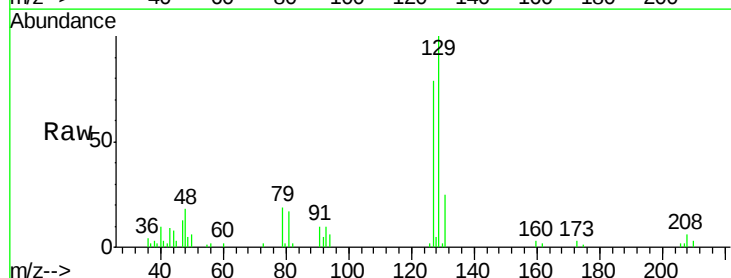
Instrument :
MSVOA_N
ClientSampleId :

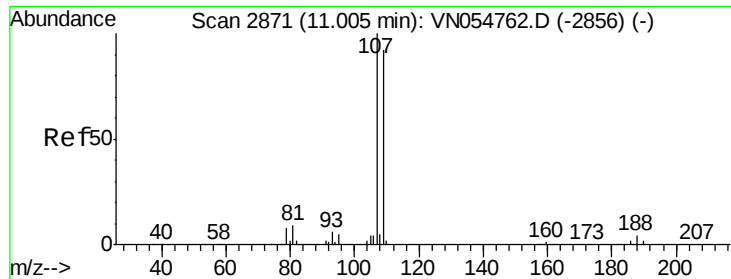
Tot Ion: 43 Resp: 74046
Ion Ratio Lower Upper
43 100
58 47.6 28.0 83.9



#60
Dibromochloromethane
Concen: 4.70 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN054766.D
Acq: 29 Mar 2019 13:04

Tgt Ion: 129 Resp: 19931
Ion Ratio Lower Upper
129 100
127 79.0 38.6 115.8





#61

1,2-Dibromoethane

Concen: 5.23 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN054766.D

Acq: 29 Mar 2019 13:04

Instrument :

MSVOA_N

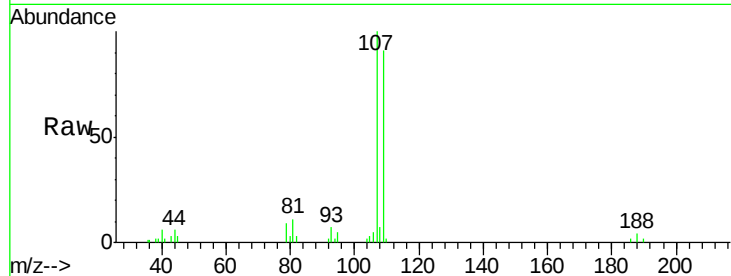
ClientSampleId :

Tot Ion: 107 Resp: 20890

Ion Ratio Lower Upper

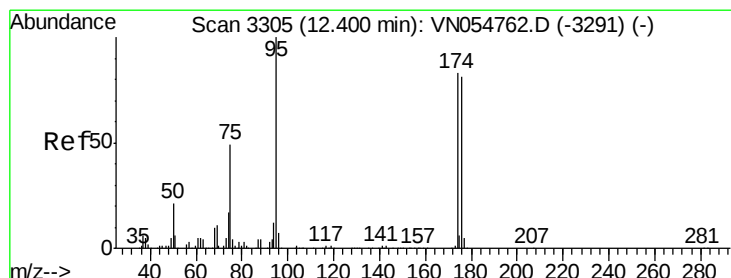
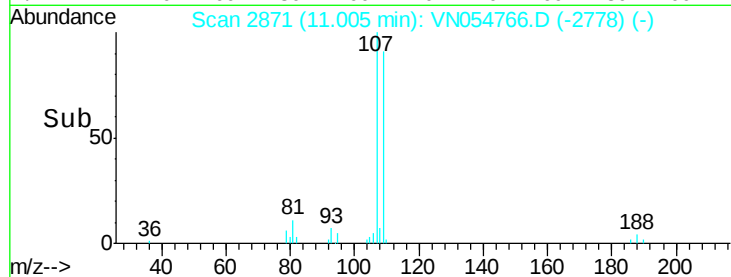
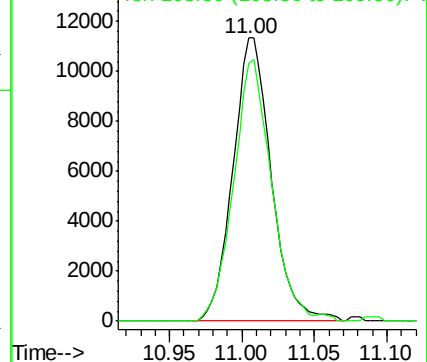
107 100

109 91.8 75.9 113.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 4.82 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN054766.D

Acq: 29 Mar 2019 13:04

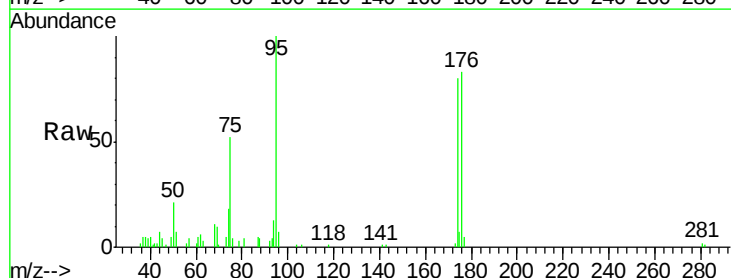
Tgt Ion: 95 Resp: 28168

Ion Ratio Lower Upper

95 100

174 85.0 0.0 191.0

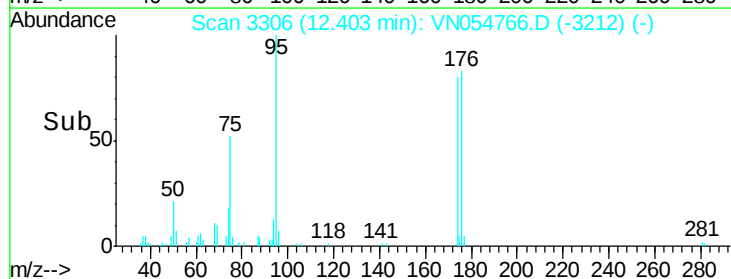
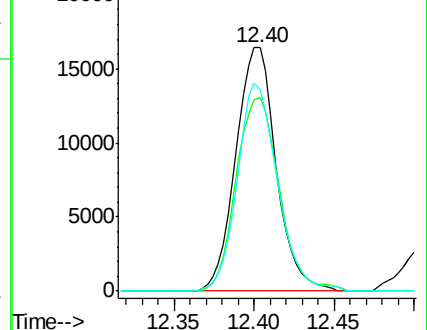
176 85.1 0.0 187.4

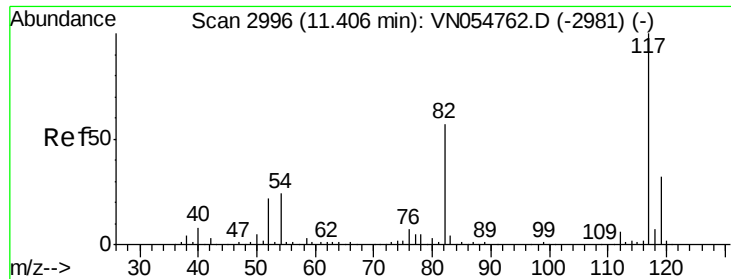


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

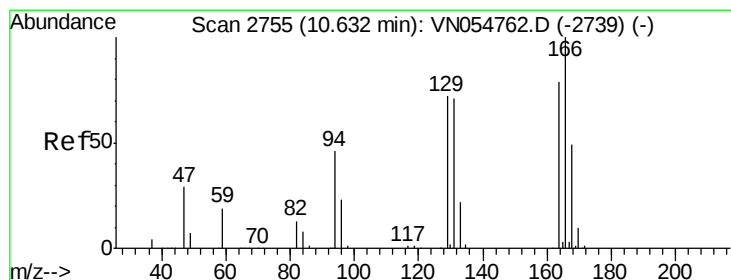
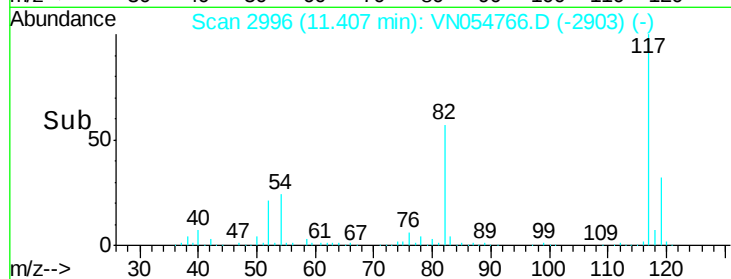
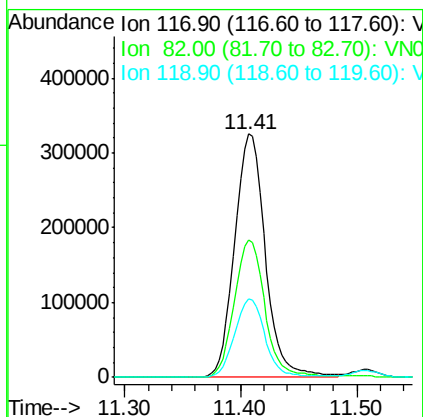
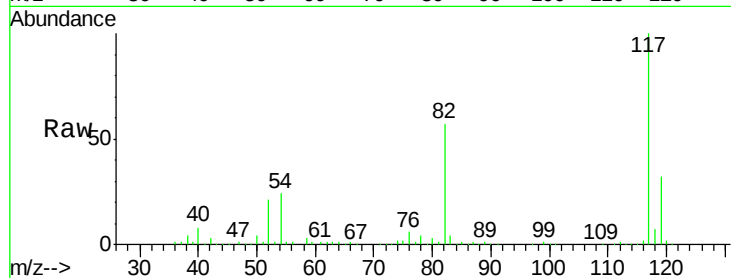




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054766.D
Acq: 29 Mar 2019 13:04

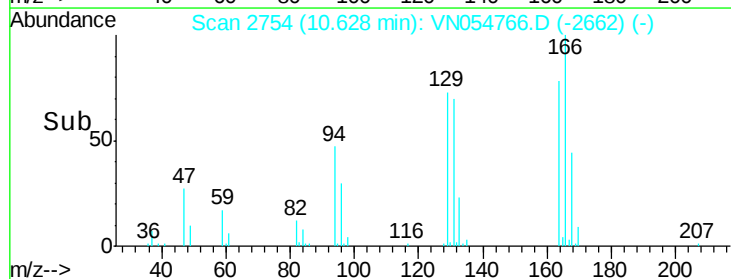
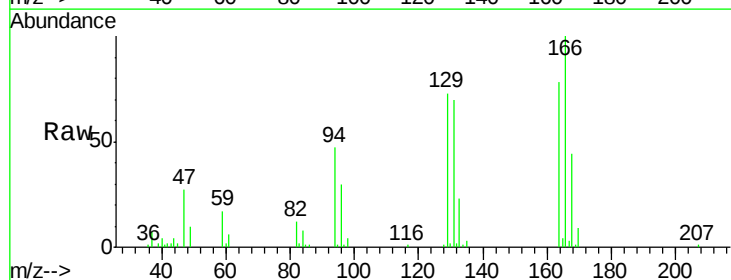
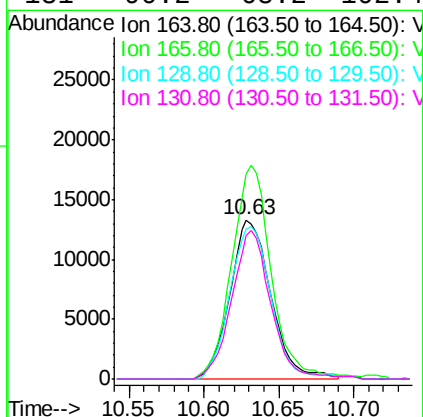
Instrument :
MSVOA_N
ClientSampleId :

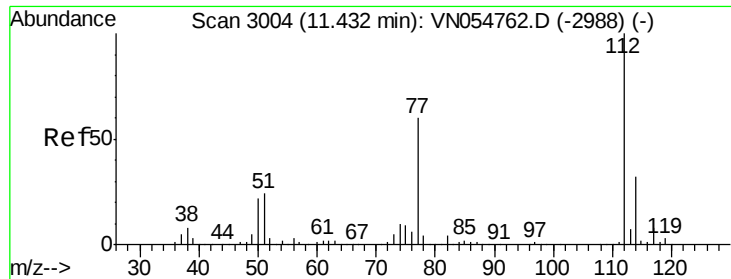
Tot Ion:117 Resp: 599700
Ion Ratio Lower Upper
117 100
82 56.6 40.0 60.0
119 32.0 25.8 38.6



#64
Tetrachloroethene
Concen: 5.54 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN054766.D
Acq: 29 Mar 2019 13:04

Tgt Ion:164 Resp: 25479
Ion Ratio Lower Upper
164 100
166 128.9 103.9 155.9
129 94.0 71.1 106.7
131 90.2 68.2 102.4





#65

Chlorobenzene

Concen: 5.40 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN054766.D

Acq: 29 Mar 2019 13:04

Instrument :

MSVOA_N

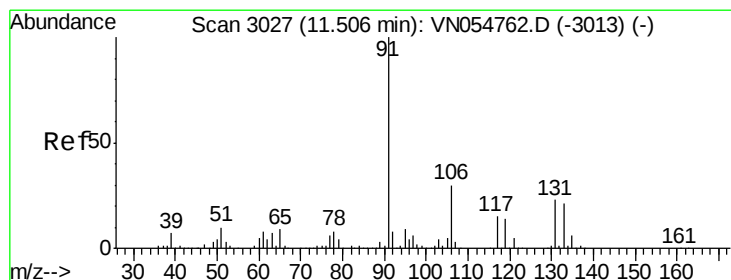
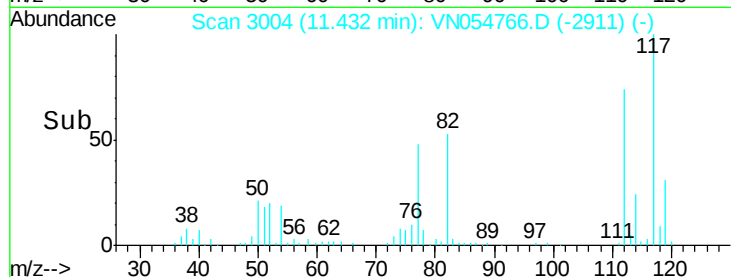
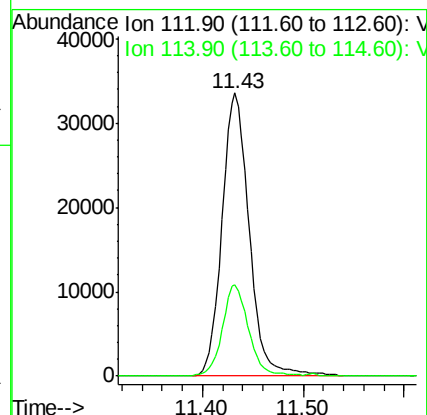
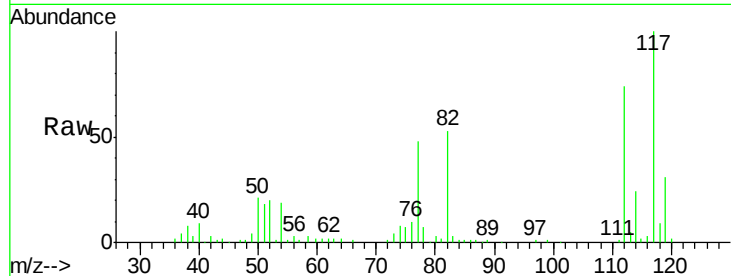
ClientSampled :

Tot Ion:112 Resp: 63361

Ion Ratio Lower Upper

112 100

114 32.3 25.9 38.9



#66

1,1,1,2-Tetrachloroethane

Concen: 5.17 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN054766.D

Acq: 29 Mar 2019 13:04

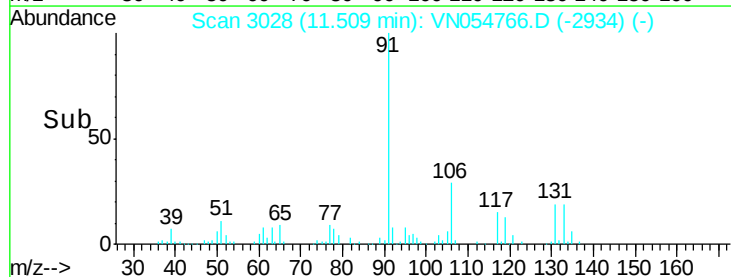
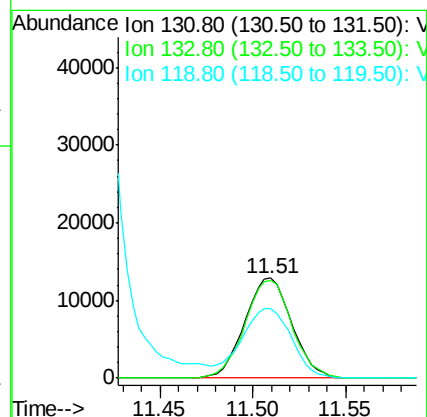
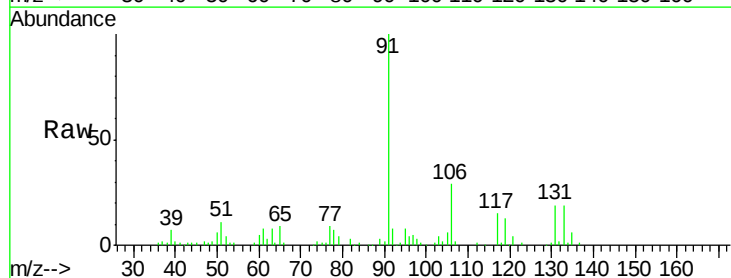
Tgt Ion:131 Resp: 22725

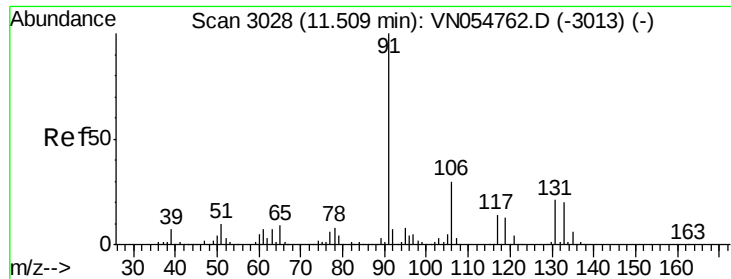
Ion Ratio Lower Upper

131 100

133 98.4 47.6 142.9

119 74.7 32.4 97.0

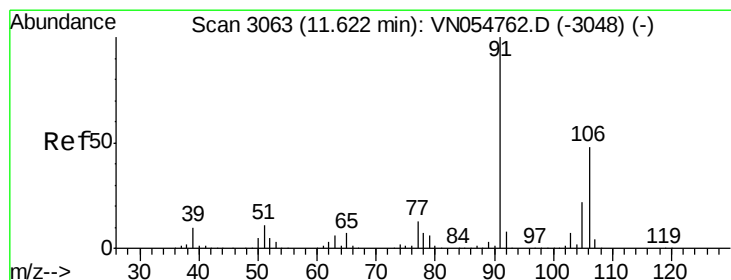
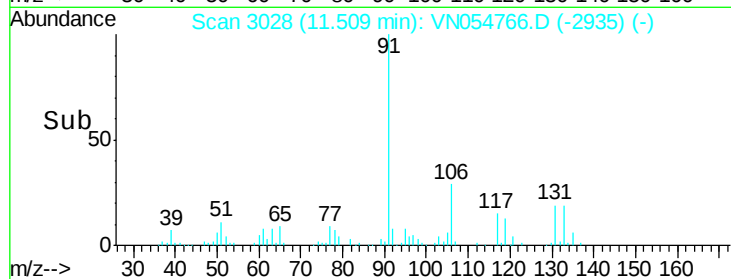
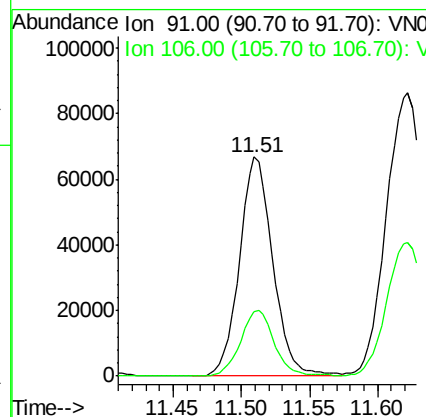
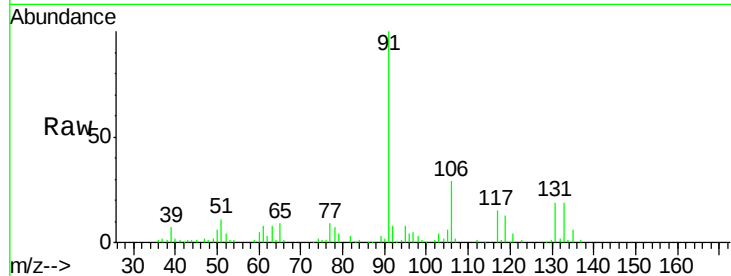




#67
Ethyl Benzene
Concen: 5.37 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN054766.D
Acq: 29 Mar 2019 13:04

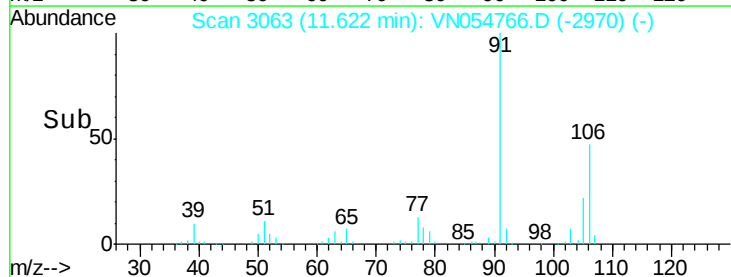
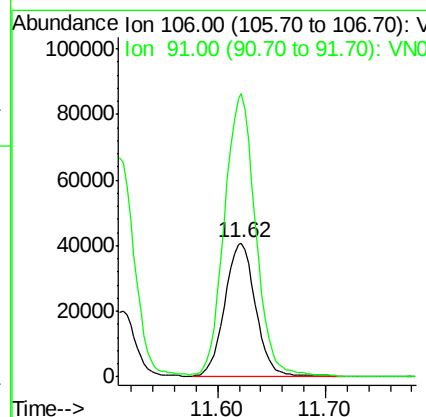
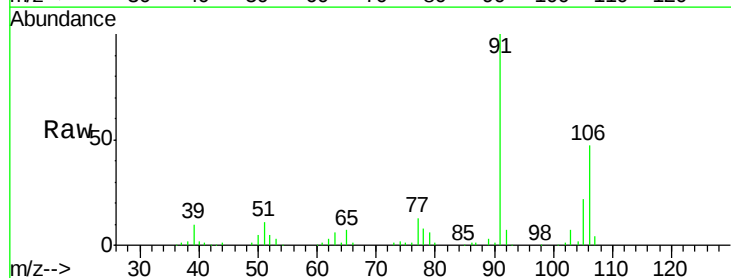
Instrument :
MSVOA_N
ClientSampleId :

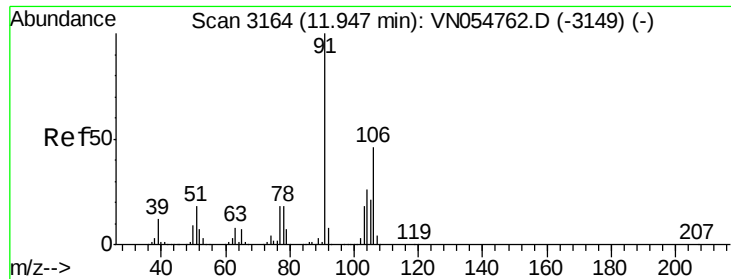
Tot Ion: 91 Resp: 113716
Ion Ratio Lower Upper
91 100
106 29.3 25.5 38.3



#68
m/p-Xylenes
Concen: 10.45 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN054766.D
Acq: 29 Mar 2019 13:04

Tgt Ion: 106 Resp: 81912
Ion Ratio Lower Upper
106 100
91 213.5 159.4 239.2

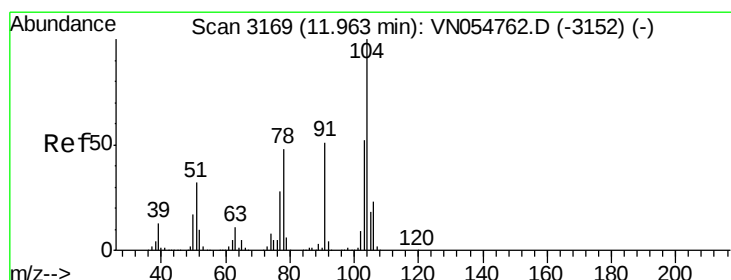
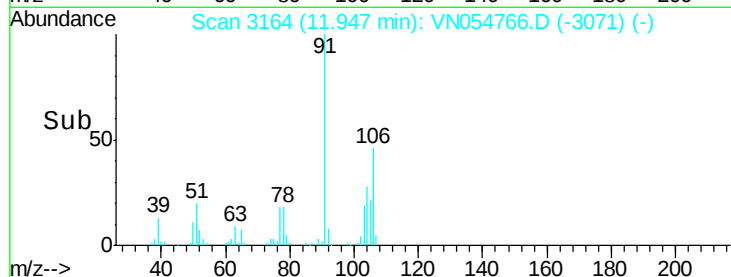
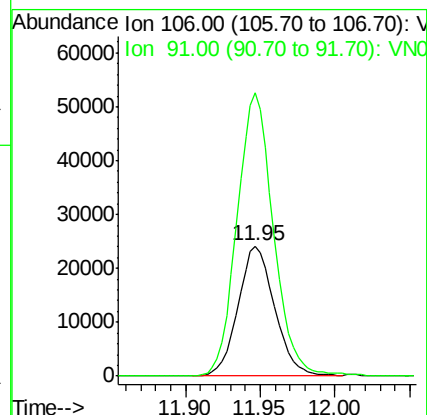
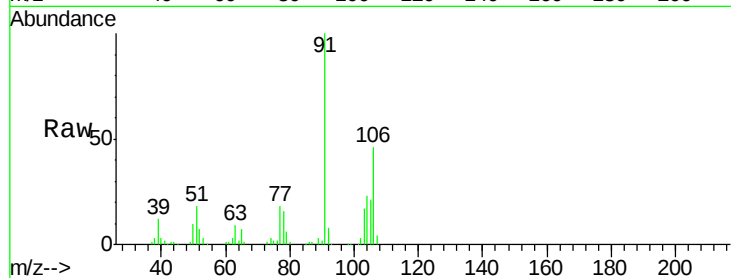




#69
o-Xylene
Concen: 5.35 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054766.D
Acq: 29 Mar 2019 13:04

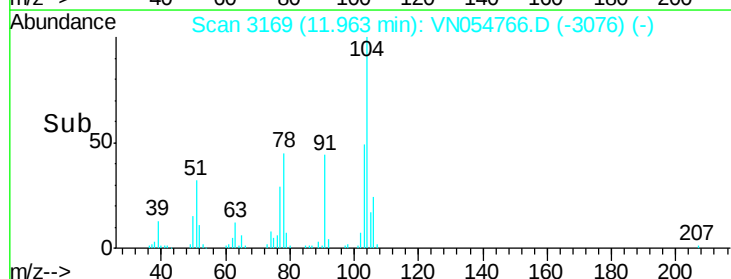
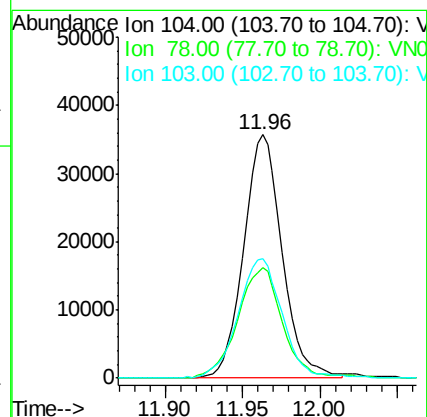
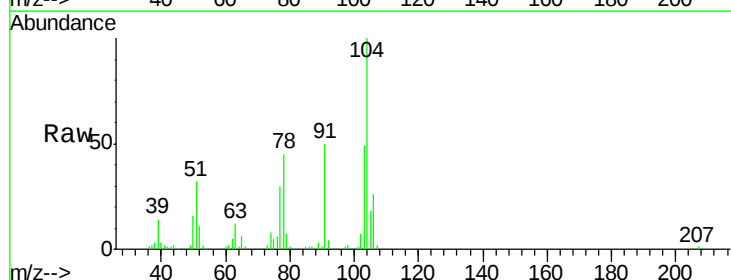
Instrument :
MSVOA_N
ClientSampled :

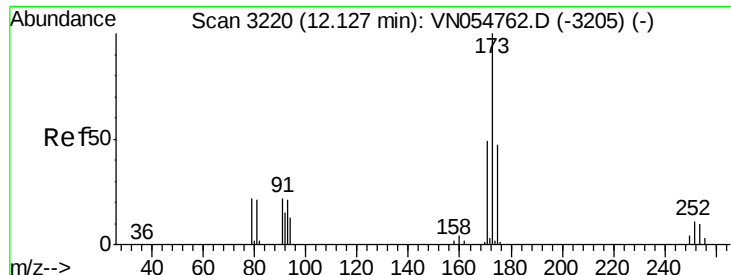
Tot Ion:106 Resp: 41135
Ion Ratio Lower Upper
106 100
91 215.1 105.7 317.1



#70
Styrene
Concen: 5.03 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN054766.D
Acq: 29 Mar 2019 13:04

Tgt Ion:104 Resp: 61817
Ion Ratio Lower Upper
104 100
78 52.4 38.2 57.2
103 56.2 44.4 66.6

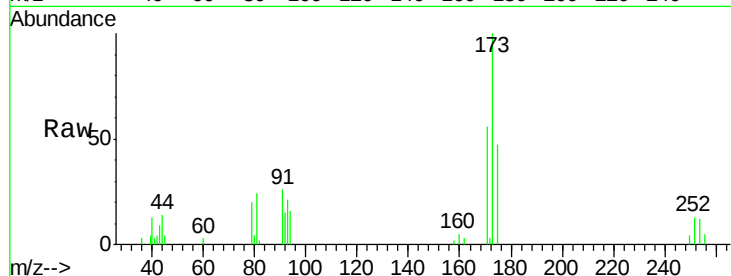




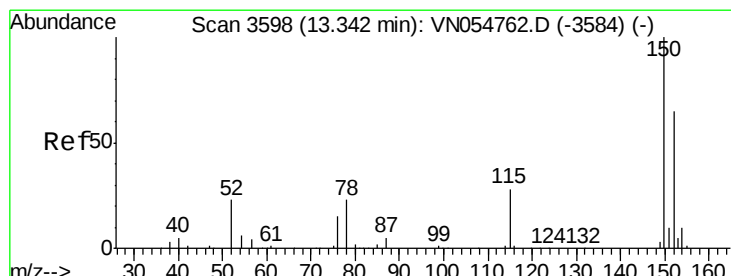
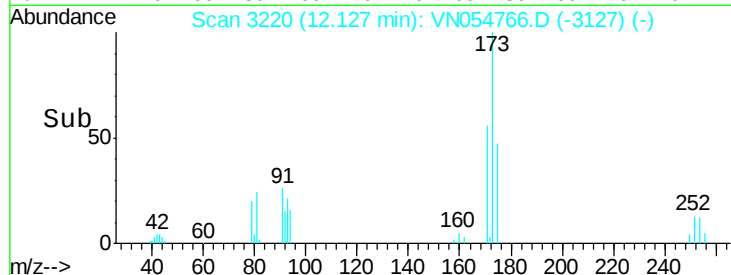
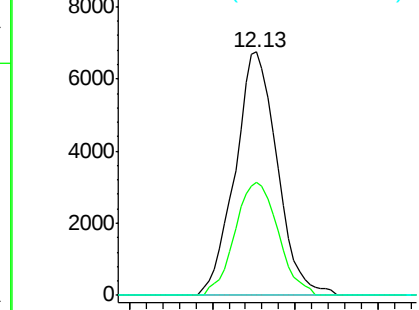
#71
Bromoform
Concen: 4.62 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN054766.D
Acq: 29 Mar 2019 13:04

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:173 Resp: 11894
Ion Ratio Lower Upper
173 100
175 47.6 24.4 73.2
254 0.0 0.1 0.1#

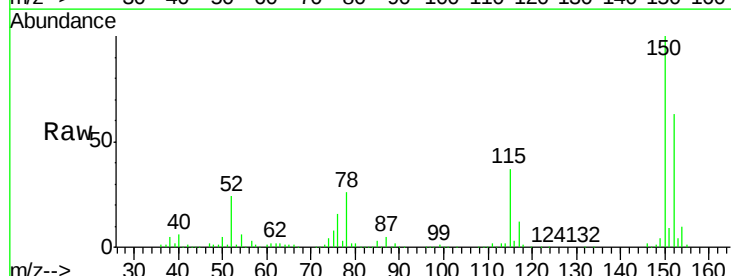


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

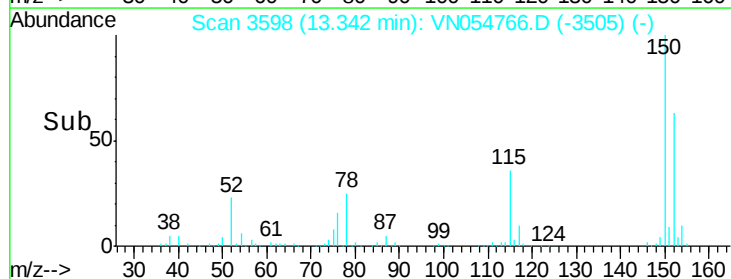
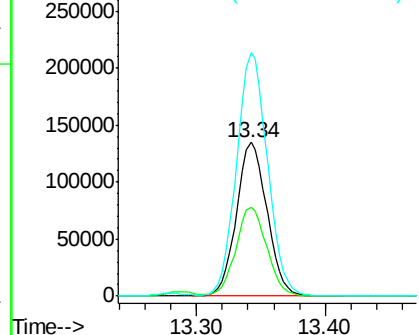


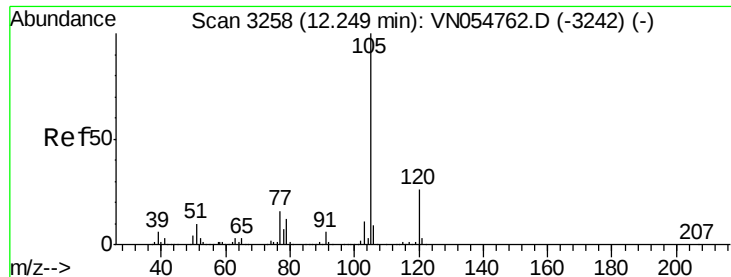
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN054766.D
Acq: 29 Mar 2019 13:04

Tgt Ion:152 Resp: 222415
Ion Ratio Lower Upper
152 100
115 58.6 27.2 81.6
150 160.5 0.0 349.2



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: 6.01 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054766.D

Acq: 29 Mar 2019 13:04

Instrument :

MSVOA_N

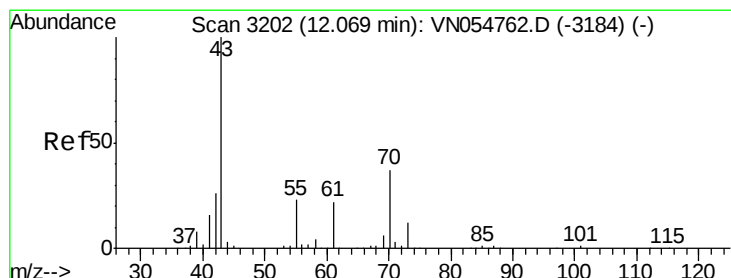
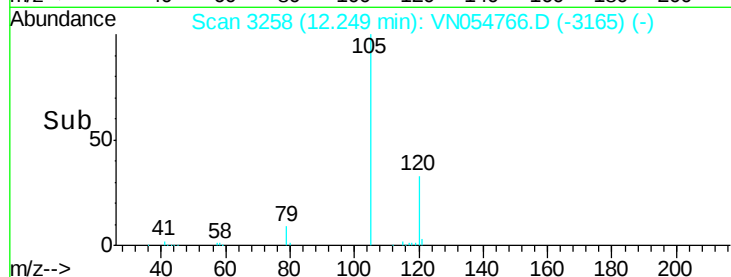
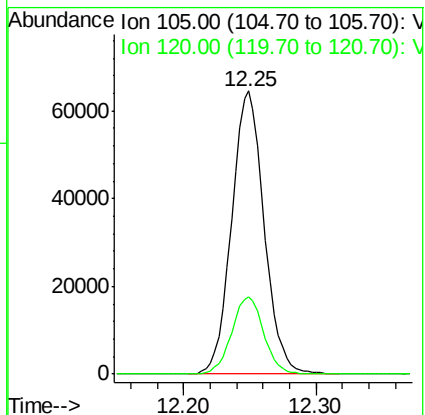
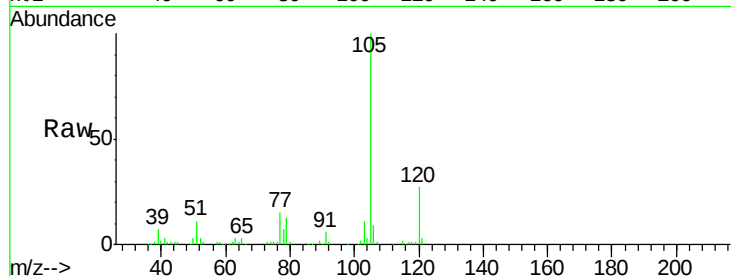
ClientSampled :

Tot Ion:105 Resp: 109233

Ion Ratio Lower Upper

105 100

120 26.9 13.8 41.3



#74

N-ethyl acetate

Concen: 5.50 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN054766.D

Acq: 29 Mar 2019 13:04

Tgt Ion: 43 Resp: 31138

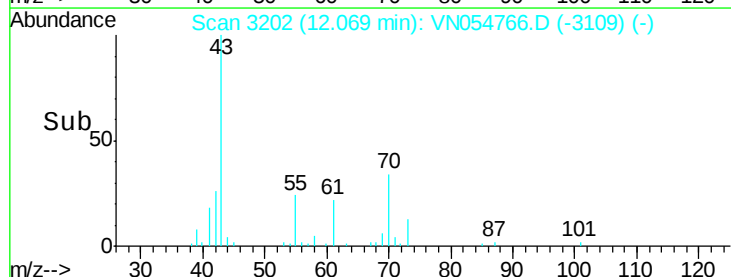
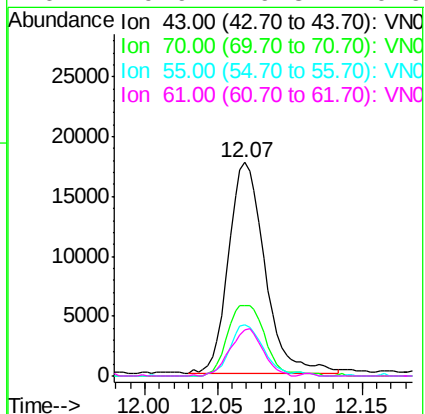
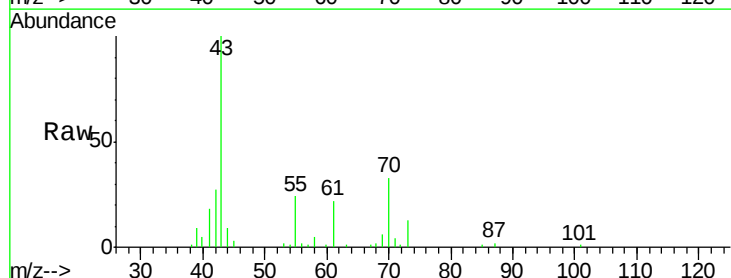
Ion Ratio Lower Upper

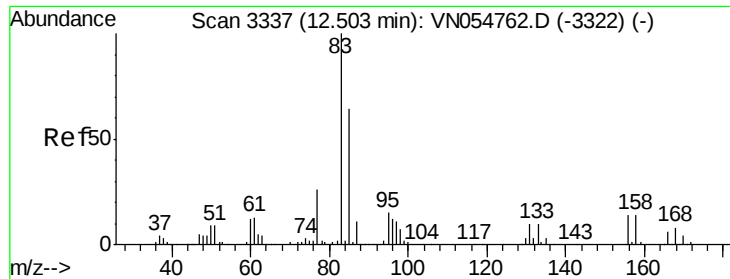
43 100

70 34.6 35.4 53.0#

55 22.7 19.8 29.6

61 19.9 19.8 29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 5.04 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN054766.D

Acq: 29 Mar 2019 13:04

Instrument :

MSVOA_N

ClientSampled :

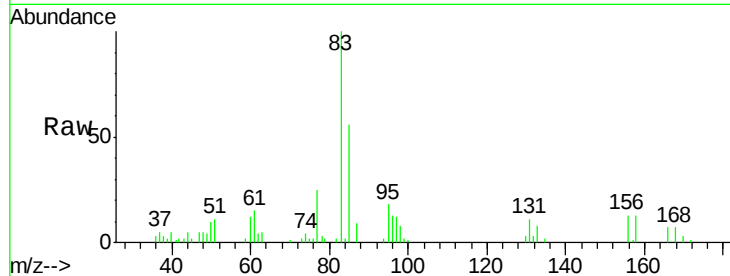
Tot Ion: 83 Resp: 26371

Ion Ratio Lower Upper

83 100

131 12.0 5.8 17.4

85 62.1 32.2 96.6

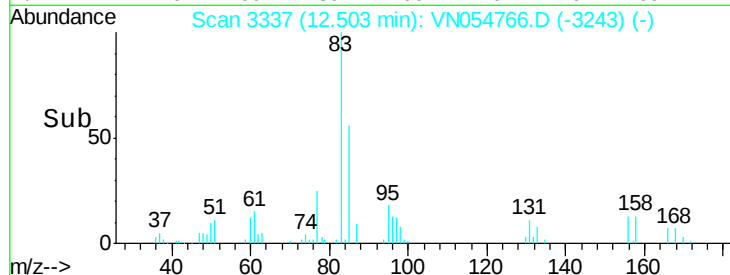


Abundance Ion 82.90 (82.60 to 83.60): VN054766.D (-3322) (-)

Ion 130.80 (130.50 to 131.50): VN054766.D (-3322) (-)

Ion 84.90 (84.60 to 85.60): VN054766.D (-3322) (-)

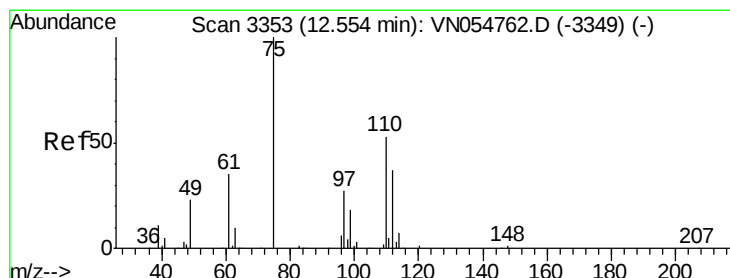
Time-->



12.50

12.45

12.55



#76

1,2,3-Trichloropropane

Concen: 7.49 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN054766.D

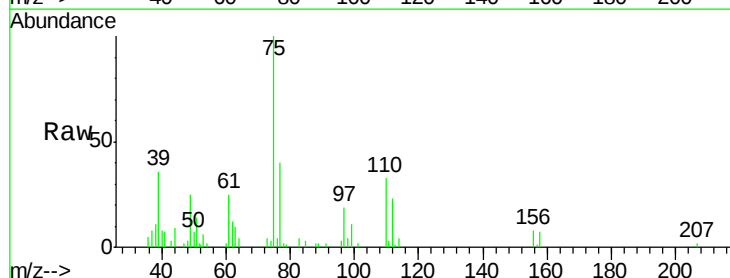
Acq: 29 Mar 2019 13:04

Tgt Ion: 75 Resp: 29835

Ion Ratio Lower Upper

75 100

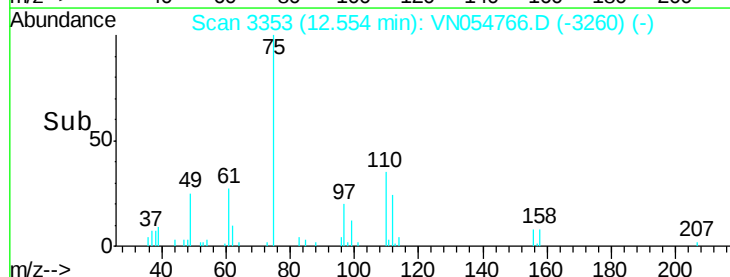
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN054766.D (-3353) (-)

Ion 77.00 (76.70 to 77.70): VN054766.D (-3353) (-)

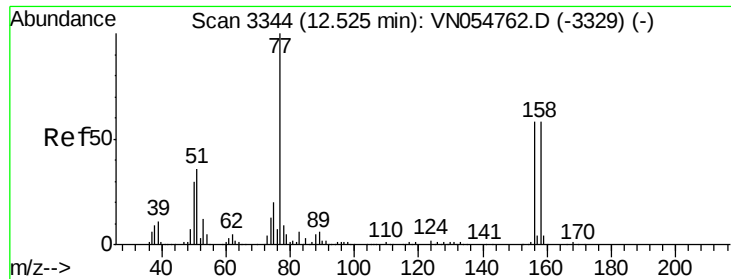
Time-->



12.55

12.50

12.60



#77

Bromobenzene

Concen: 5.48 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN054766.D

Acq: 29 Mar 2019 13:04

Instrument :

MSVOA_N

ClientSampled :

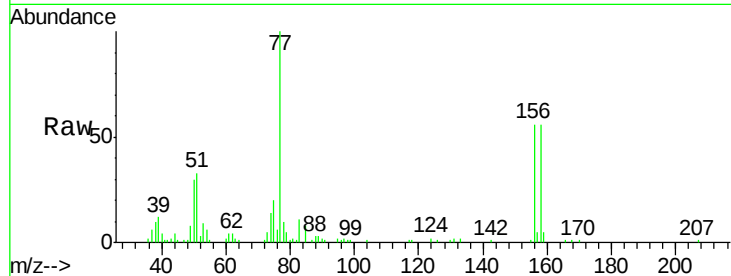
Tot Ion:156 Resp: 24030

Ion Ratio Lower Upper

156 100

77 208.6 81.5 244.4

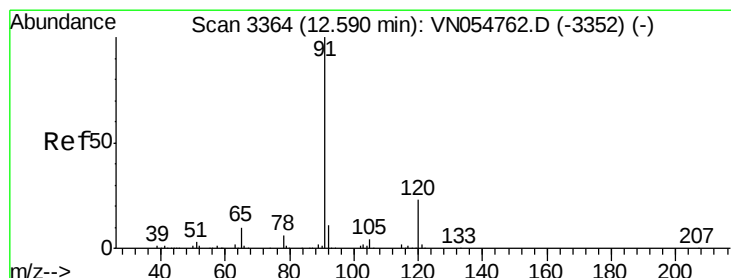
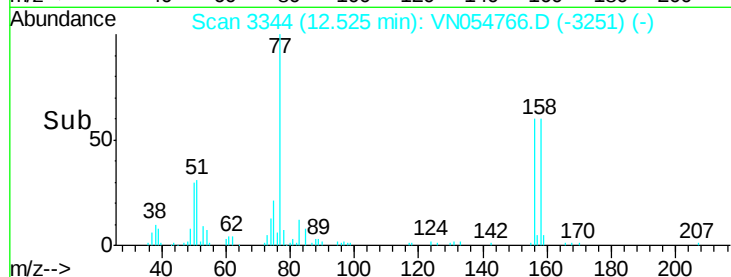
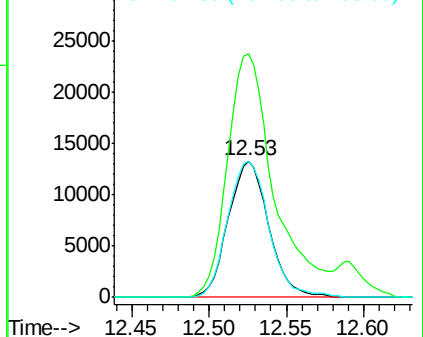
158 102.1 49.0 147.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 5.62 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN054766.D

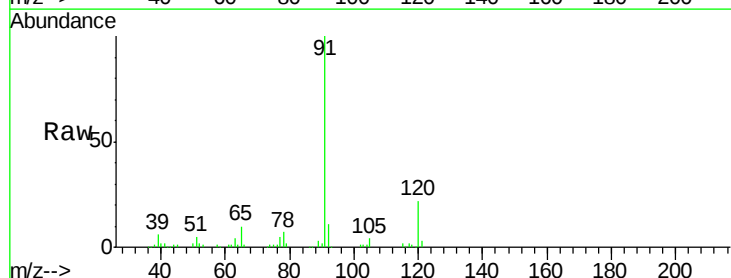
Acq: 29 Mar 2019 13:04

Tgt Ion: 91 Resp: 112273

Ion Ratio Lower Upper

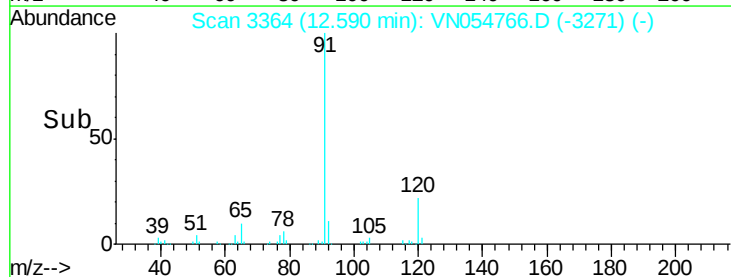
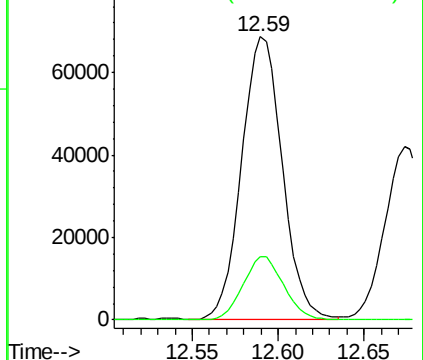
91 100

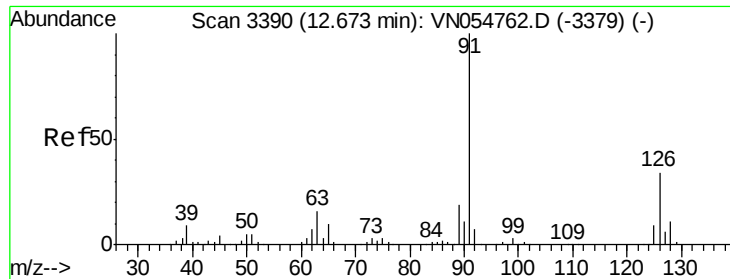
120 22.5 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

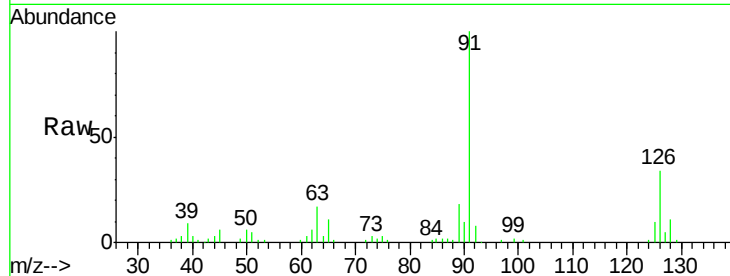




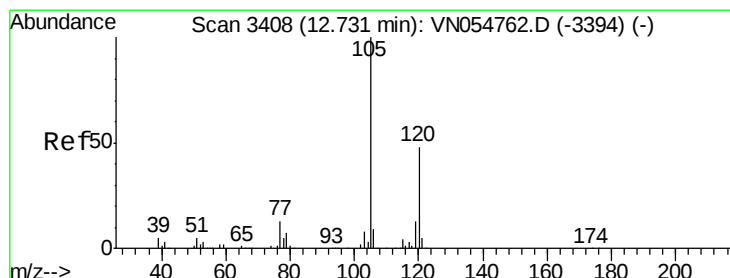
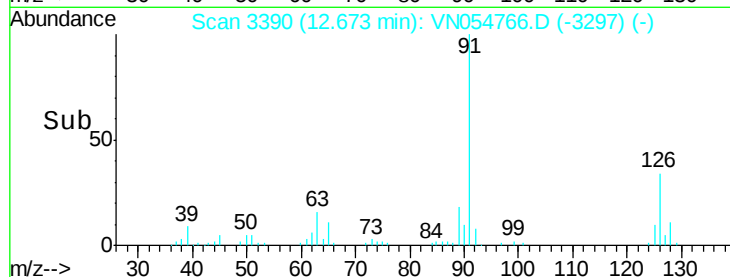
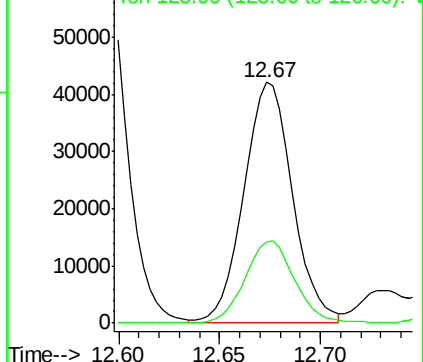
#79
 2-Chlorotoluene
 Concen: 5.74 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VN054766.D
 Acq: 29 Mar 2019 13:04

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 91 Resp: 70962
 Ion Ratio Lower Upper
 91 100
 126 34.8 18.7 56.1

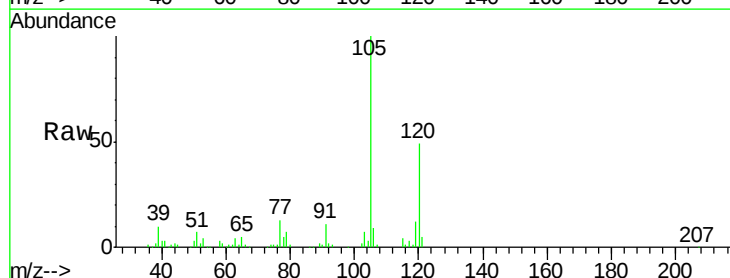


Abundance Ion 91.00 (90.70 to 91.70): VN054766.D (-3397) (-)
 Ion 125.90 (125.60 to 126.60): VN054766.D (-3397) (-)

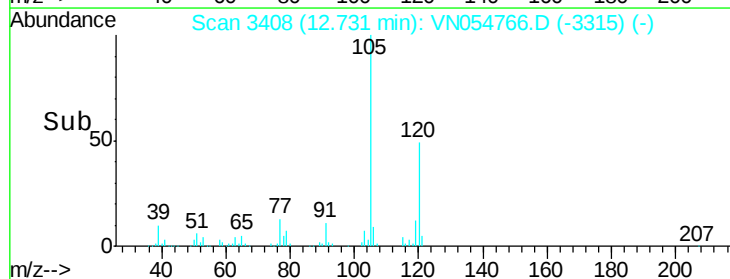
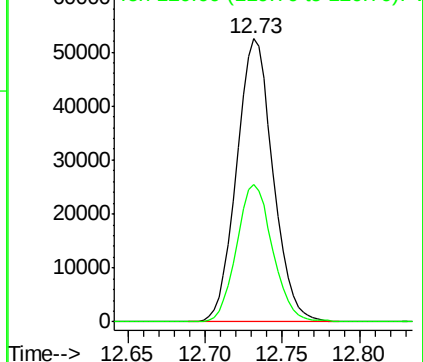


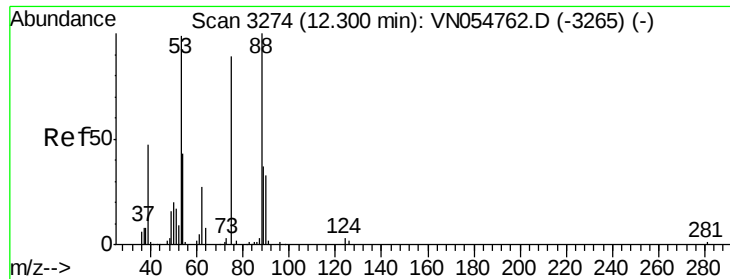
#80
 1,3,5-Trimethylbenzene
 Concen: 5.74 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN054766.D
 Acq: 29 Mar 2019 13:04

Tgt Ion: 105 Resp: 85613
 Ion Ratio Lower Upper
 105 100
 120 48.1 25.0 75.0



Abundance Ion 105.00 (104.70 to 105.70): VN054766.D (-3315) (-)
 Ion 120.00 (119.70 to 120.70): VN054766.D (-3315) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 4.90 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN054766.D

Acq: 29 Mar 2019 13:04

Instrument :

MSVOA_N

ClientSampled :

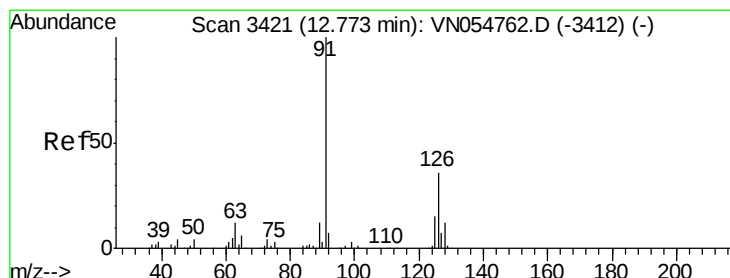
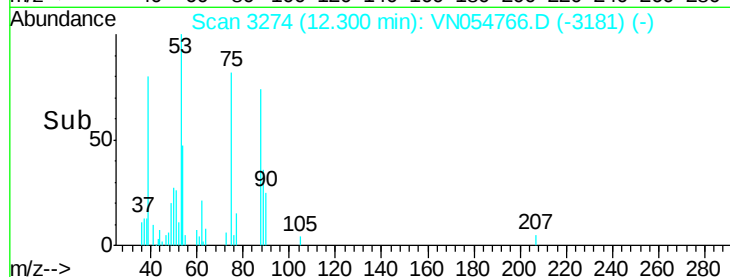
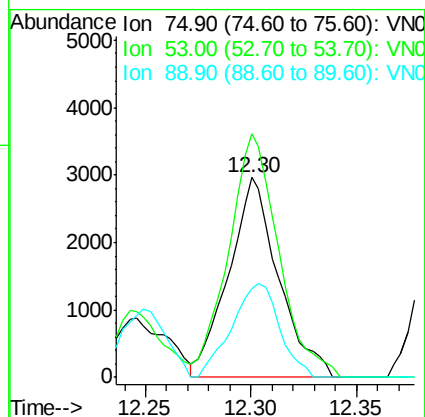
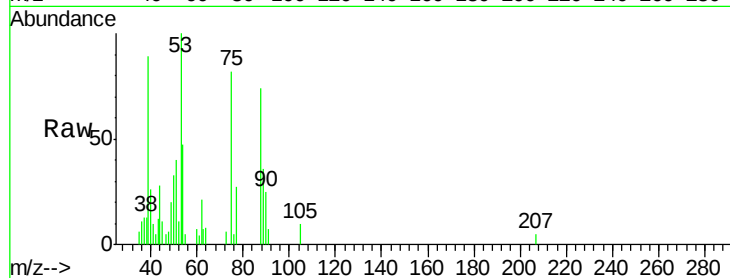
Tot Ion: 75 Resp: 4870

Ion Ratio Lower Upper

75 100

53 122.0 76.2 114.2#

89 44.8 39.2 58.8



#82

4-Chlorotoluene

Concen: 5.66 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN054766.D

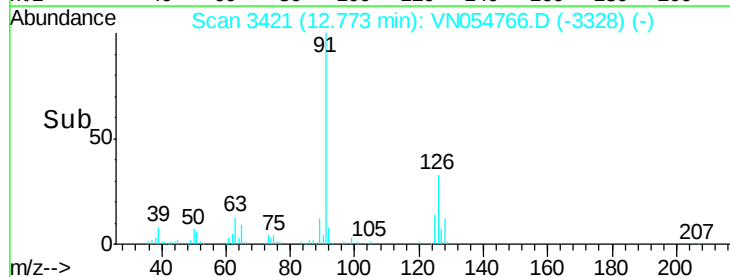
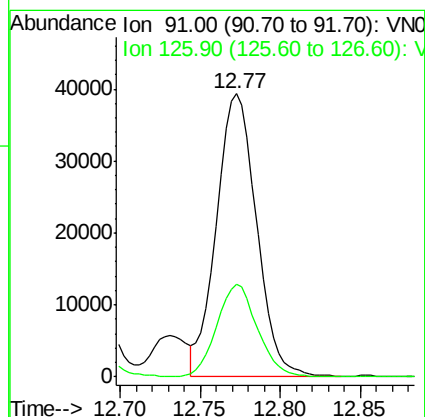
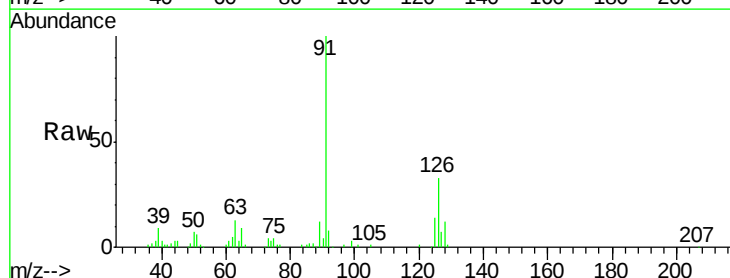
Acq: 29 Mar 2019 13:04

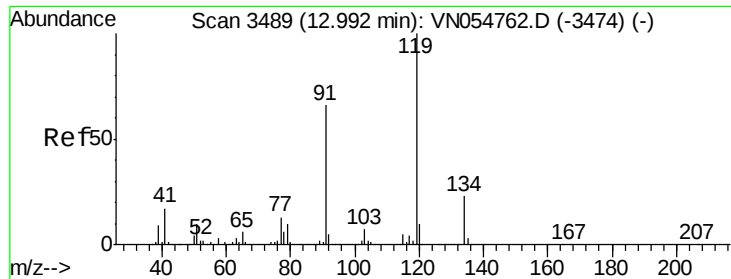
Tgt Ion: 91 Resp: 67955

Ion Ratio Lower Upper

91 100

126 33.0 18.1 54.1

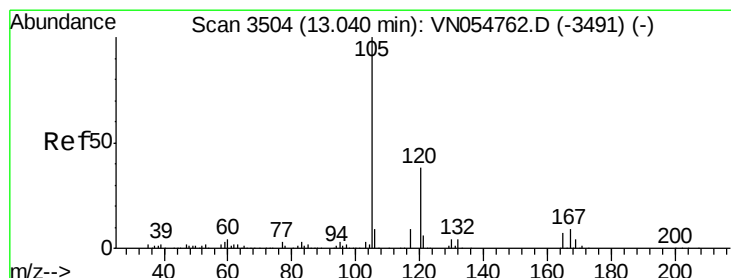
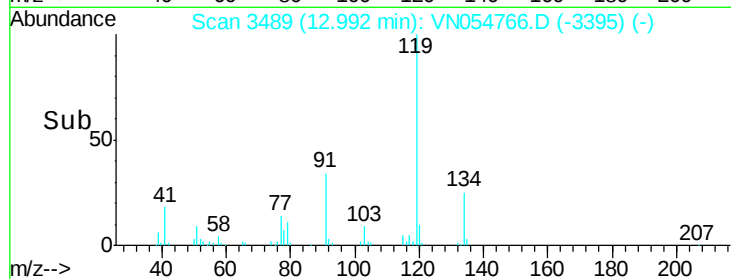
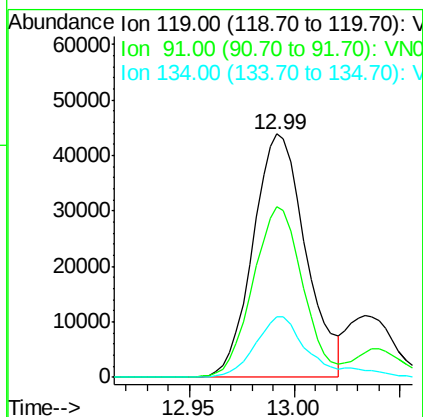
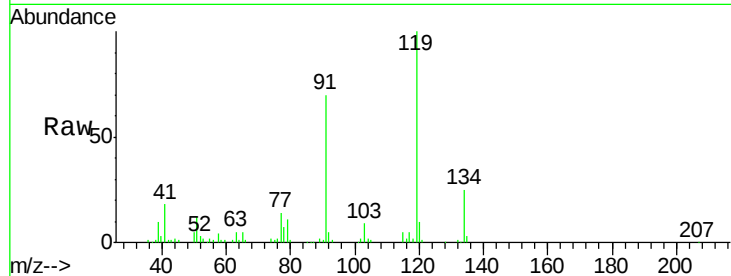




#83
 tert-Butylbenzene
 Concen: 4.72 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN054766.D
 Acq: 29 Mar 2019 13:04

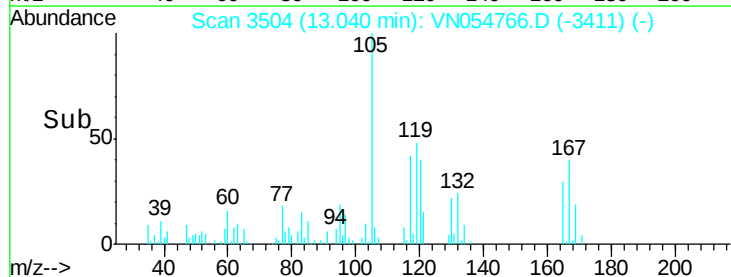
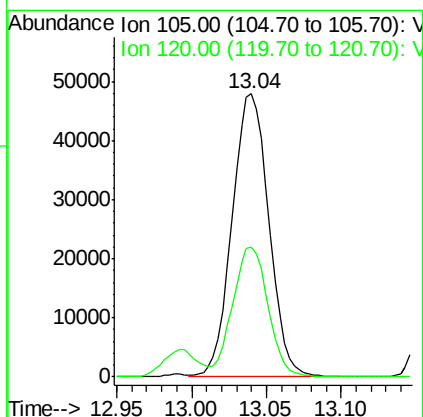
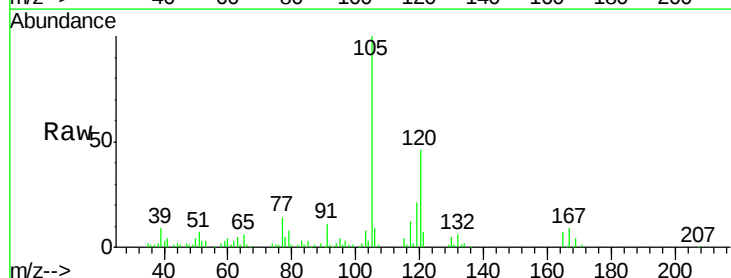
Instrument :
 MSVOA_N
 ClientSampled :

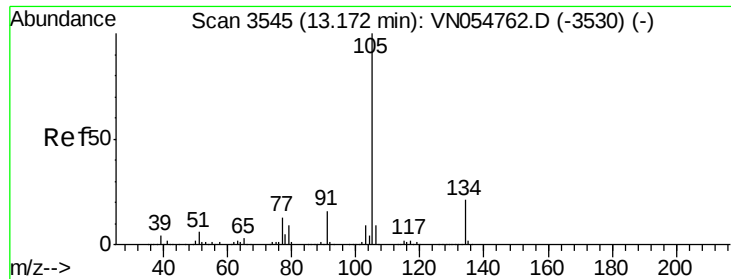
Tot Ion:119 Resp: 76341
 Ion Ratio Lower Upper
 119 100
 91 66.1 30.9 92.8
 134 26.0 13.2 39.6



#84
 1,2,4-Trimethylbenzene
 Concen: 5.76 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN054766.D
 Acq: 29 Mar 2019 13:04

Tgt Ion:105 Resp: 81903
 Ion Ratio Lower Upper
 105 100
 120 44.5 23.4 70.3





#85

sec-Butylbenzene

Concen: 5.97 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN054766.D

Acq: 29 Mar 2019 13:04

Instrument :

MSVOA_N

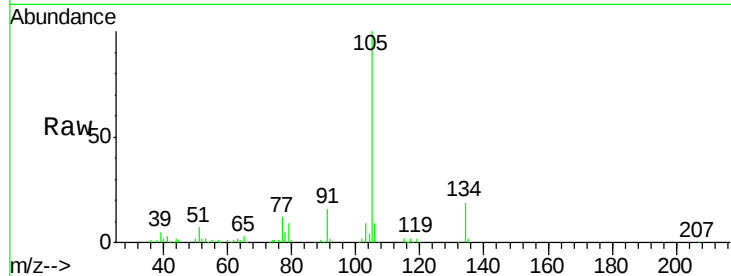
ClientSampleId :

Tot Ion:105 Resp: 96684

Ion Ratio Lower Upper

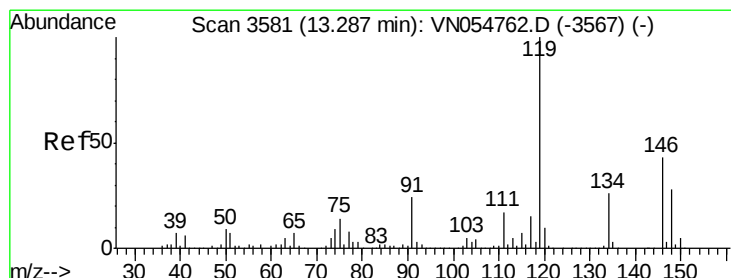
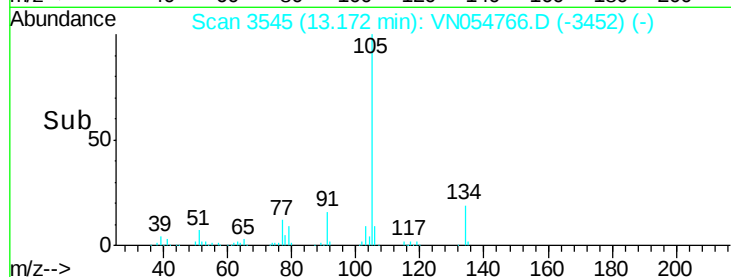
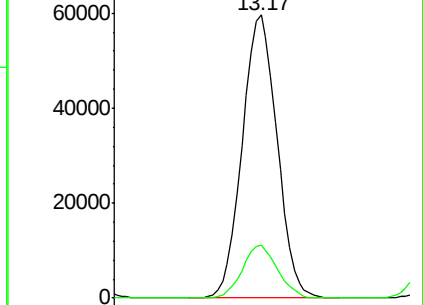
105 100

134 18.8 10.7 32.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 5.84 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN054766.D

Acq: 29 Mar 2019 13:04

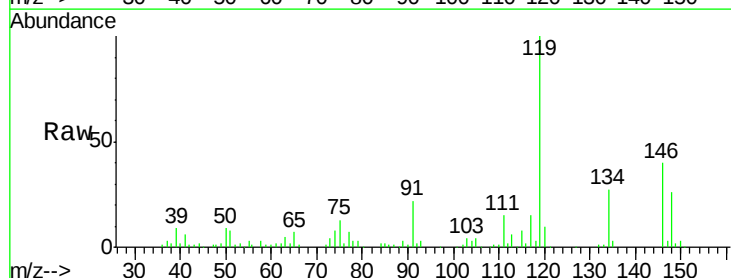
Tgt Ion:119 Resp: 83510

Ion Ratio Lower Upper

119 100

134 26.5 13.6 40.8

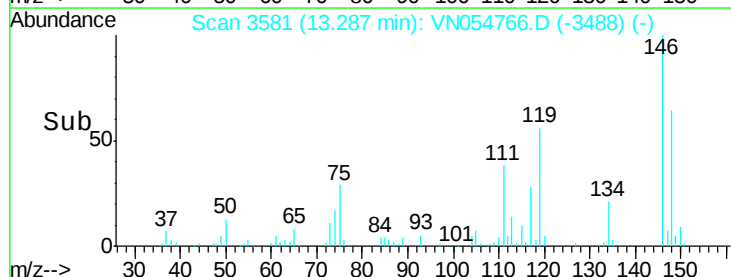
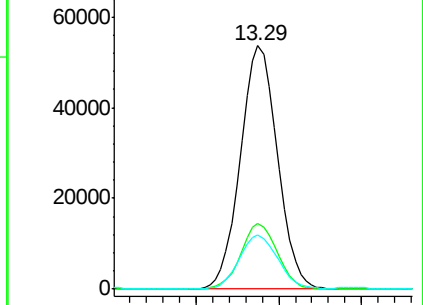
91 23.4 11.1 33.3

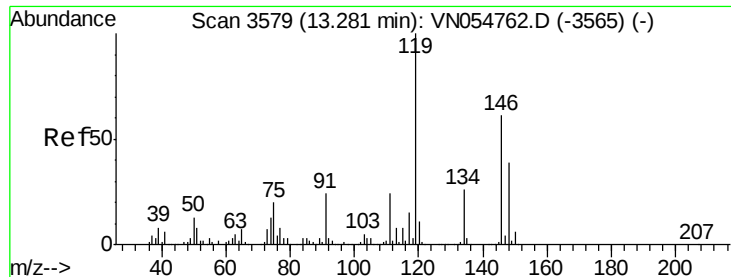


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

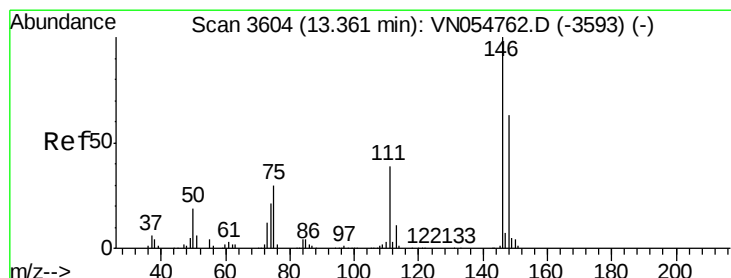
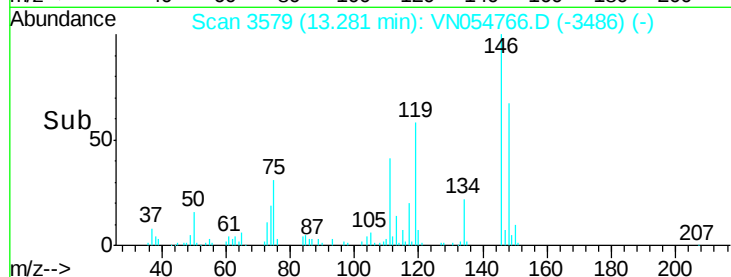
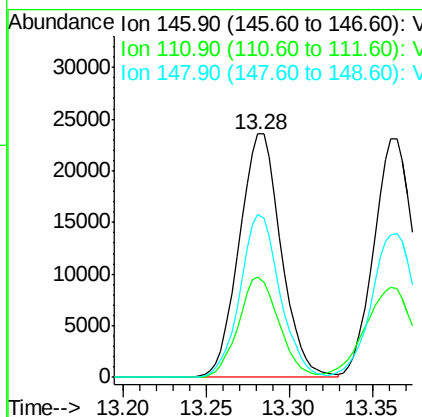
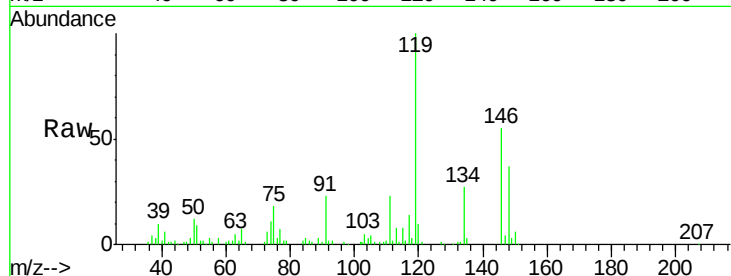




#87
 1,3-Dichlorobenzene
 Concen: 5.64 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN054766.D
 Acq: 29 Mar 2019 13:04

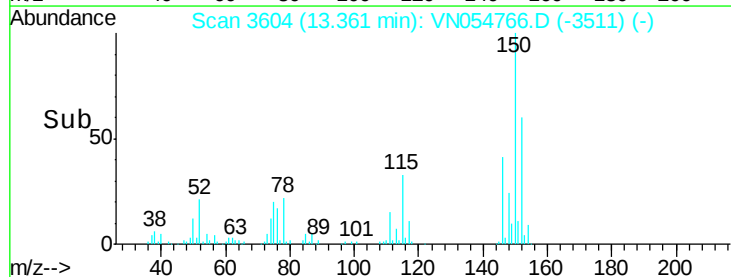
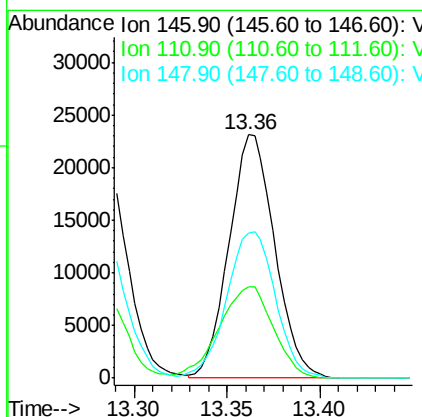
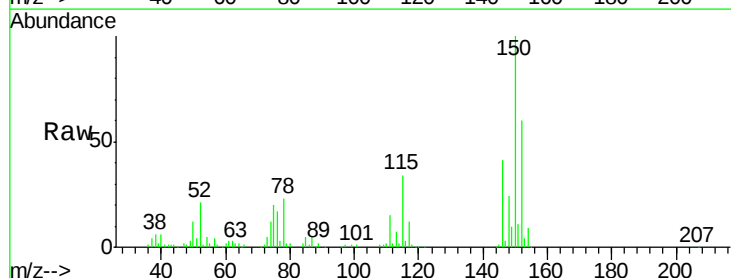
Instrument :
 MSVOA_N
 ClientSampled :

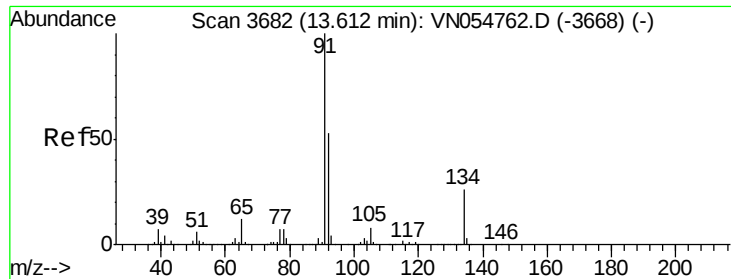
Tot Ion:146 Resp: 41444
 Ion Ratio Lower Upper
 146 100
 111 39.8 18.8 56.3
 148 63.6 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 5.49 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN054766.D
 Acq: 29 Mar 2019 13:04

Tgt Ion:146 Resp: 39562
 Ion Ratio Lower Upper
 146 100
 111 44.6 18.1 54.1
 148 64.3 32.0 96.0

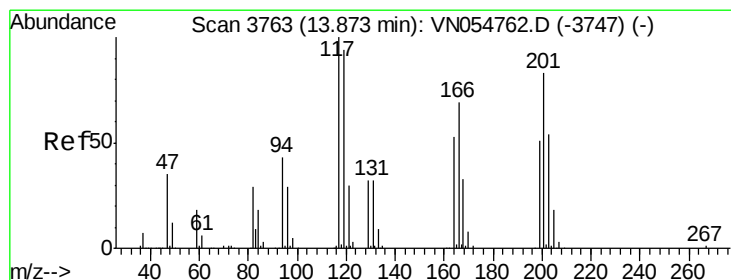
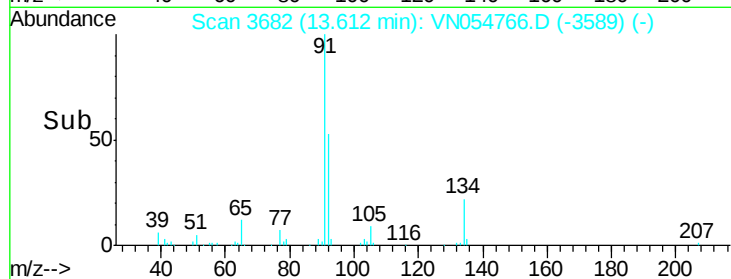
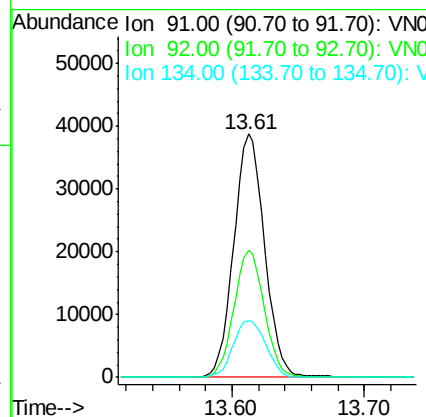
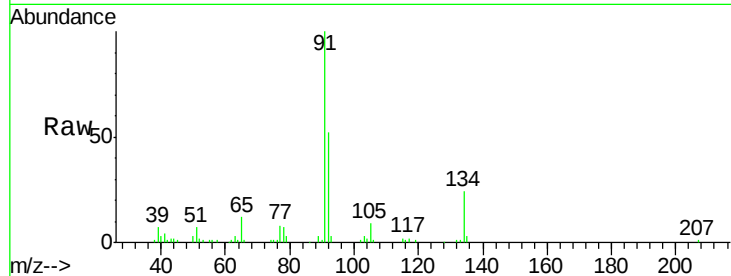




#89
n-Butylbenzene
Concen: 5.36 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN054766.D
Acq: 29 Mar 2019 13:04

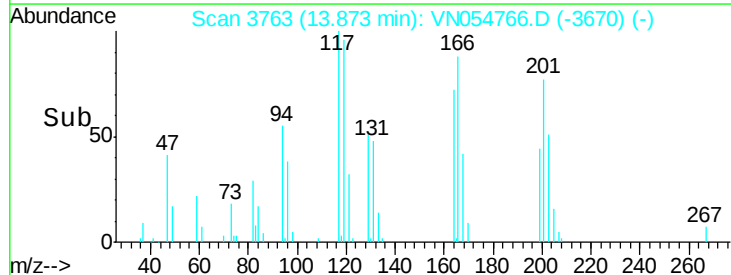
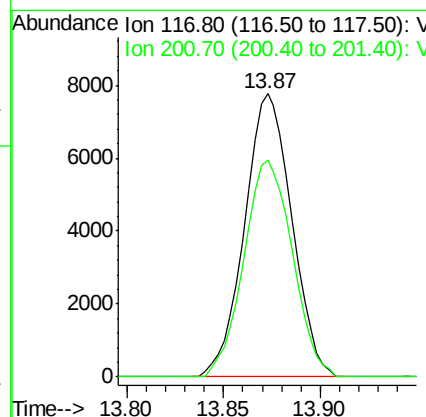
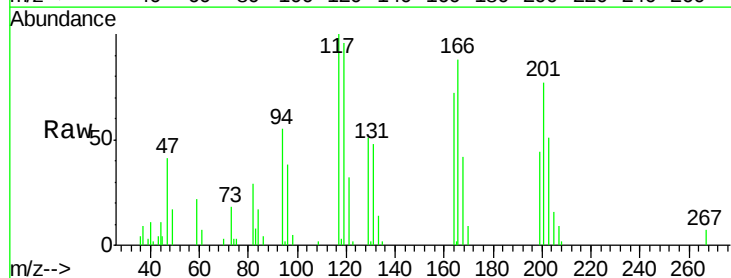
Instrument :
MSVOA_N
ClientSampled :

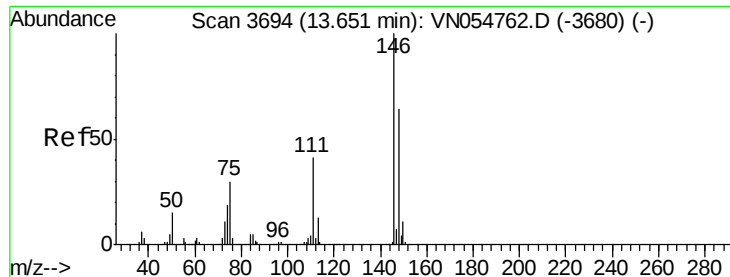
Tot Ion: 91 Resp: 62523
Ion Ratio Lower Upper
91 100
92 51.2 26.2 78.6
134 24.5 14.3 42.9



#90
Hexachloroethane
Concen: 5.43 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN054766.D
Acq: 29 Mar 2019 13:04

Tgt Ion: 117 Resp: 13166
Ion Ratio Lower Upper
117 100
201 78.7 48.1 144.4

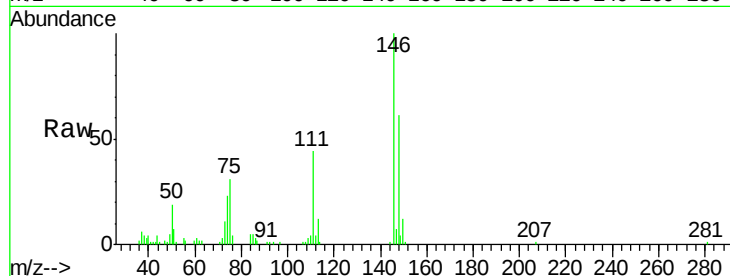




#91
 1,2-Dichlorobenzene
 Concen: 5.51 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN054766.D
 Acq: 29 Mar 2019 13:04

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.2	19.1	57.3
148	62.7	32.4	97.0

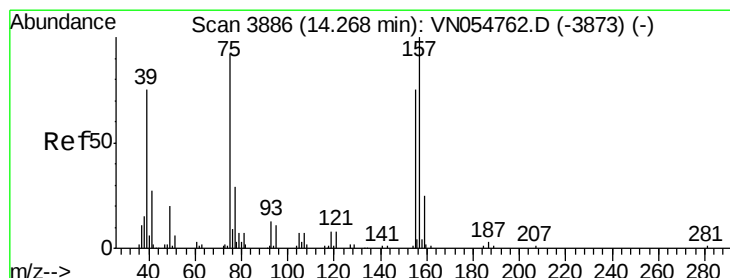
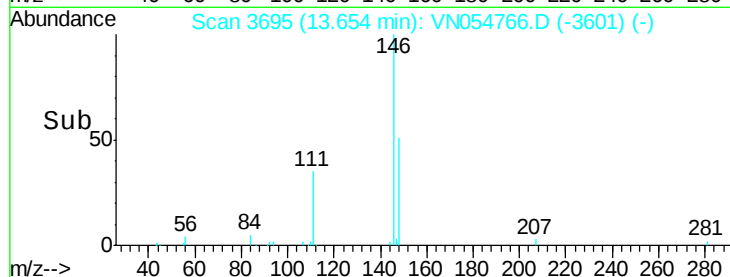
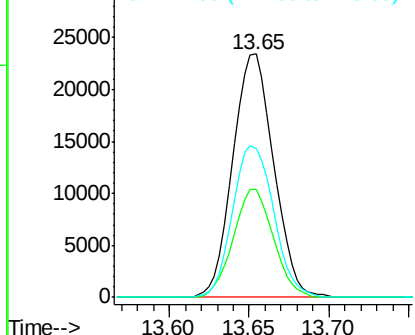


Abundance

Ion 145.90 (145.60 to 146.60): V

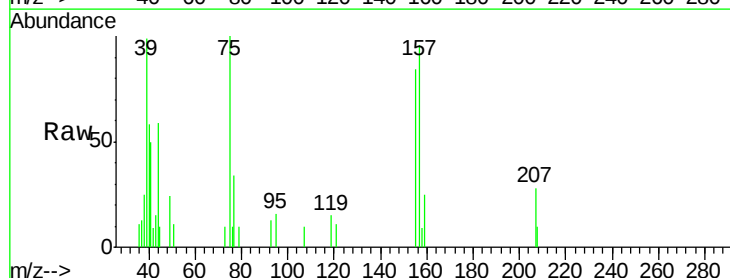
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 5.41 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN054766.D
 Acq: 29 Mar 2019 13:04

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.9	50.1	150.3
157	91.1	63.1	189.3

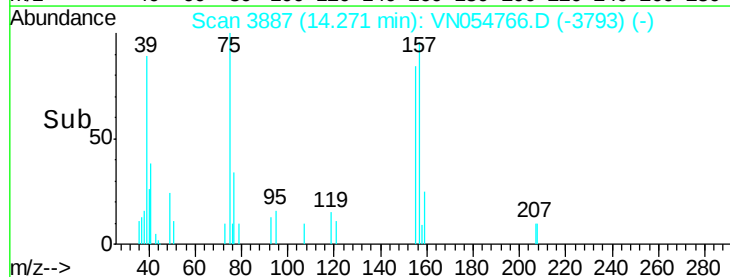
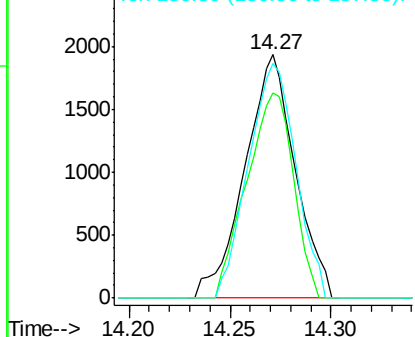


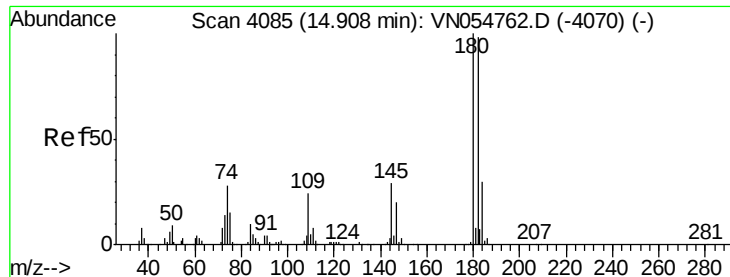
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

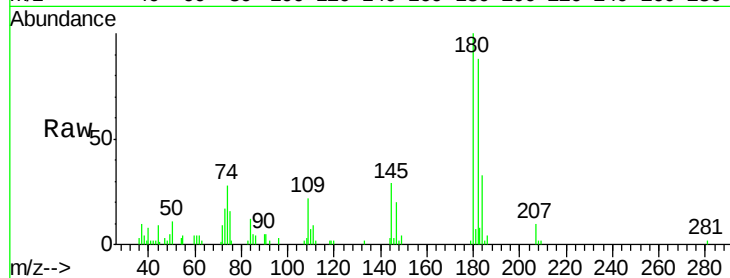




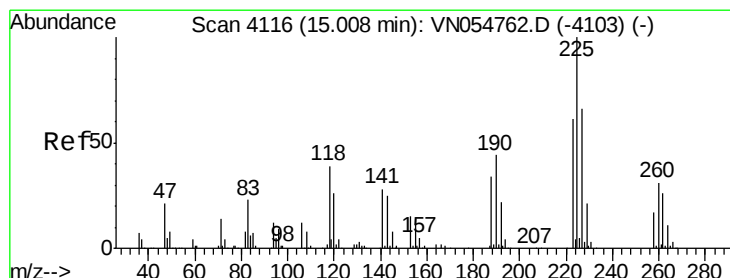
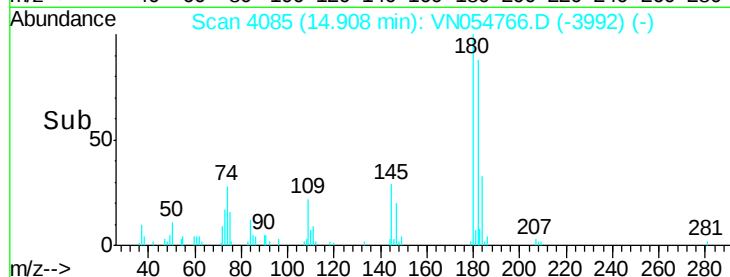
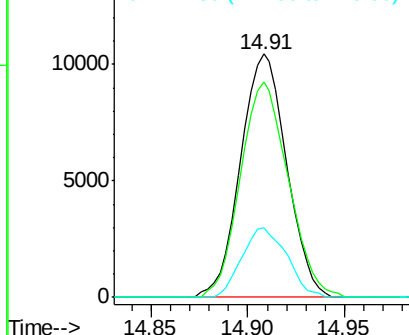
#93
 1,2,4-Trichlorobenzene
 Concen: 4.85 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN054766.D
 Acq: 29 Mar 2019 13:04

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:180 Resp: 17319
 Ion Ratio Lower Upper
 180 100
 182 91.6 48.0 144.2
 145 27.8 14.2 42.8

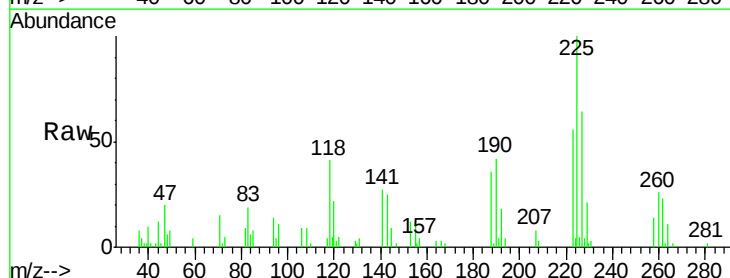


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

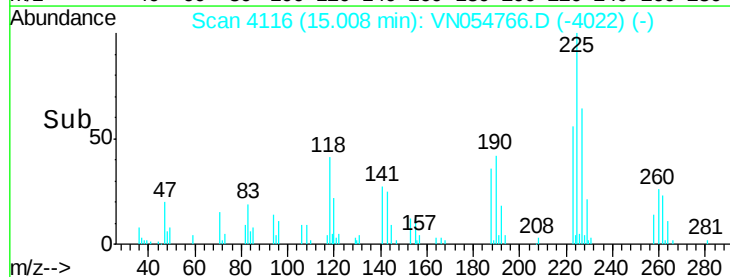
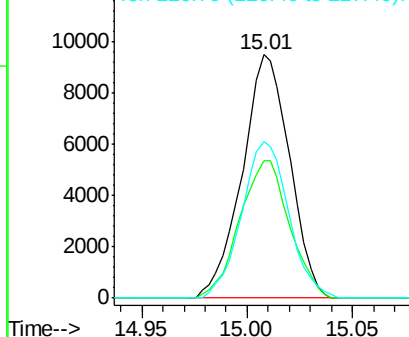


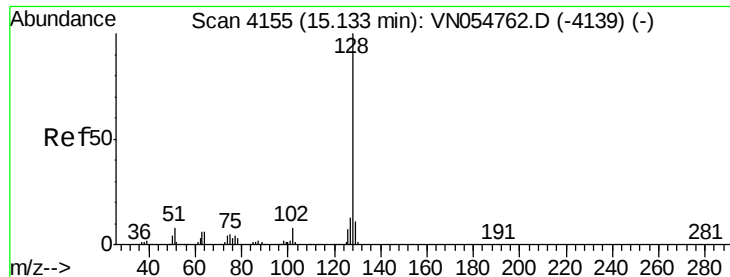
#94
 Hexachlorobutadiene
 Concen: 5.13 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN054766.D
 Acq: 29 Mar 2019 13:04

Tgt Ion:225 Resp: 14848
 Ion Ratio Lower Upper
 225 100
 223 59.2 31.1 93.5
 227 63.8 31.9 95.9



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: 4.98 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN054766.D

Acq: 29 Mar 2019 13:04

Instrument :

MSVOA_N

ClientSampled :

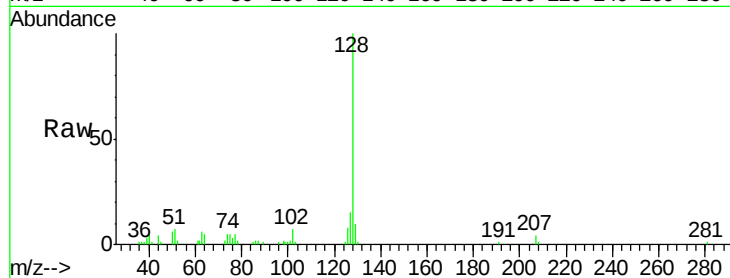
Tot Ion:128 Resp: 39943

Ion Ratio Lower Upper

128 100

127 13.5 10.1 15.1

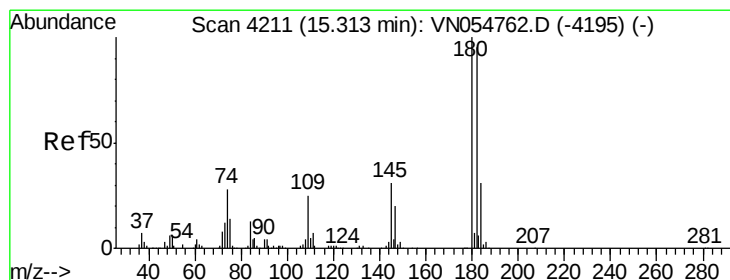
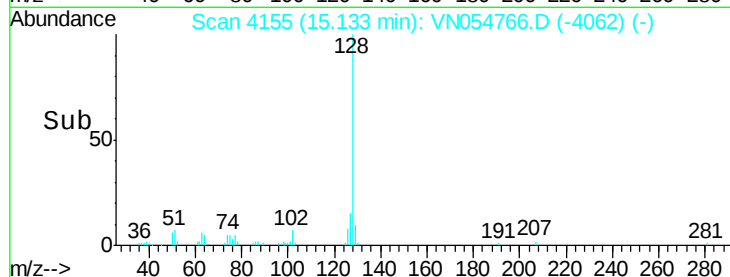
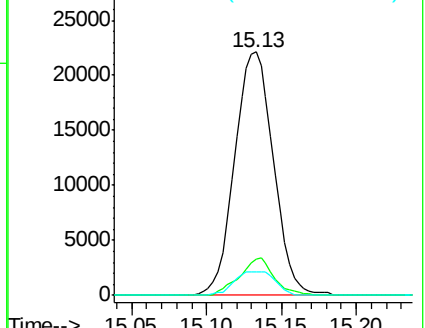
129 10.4 8.7 13.1



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: 5.02 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN054766.D

Acq: 29 Mar 2019 13:04

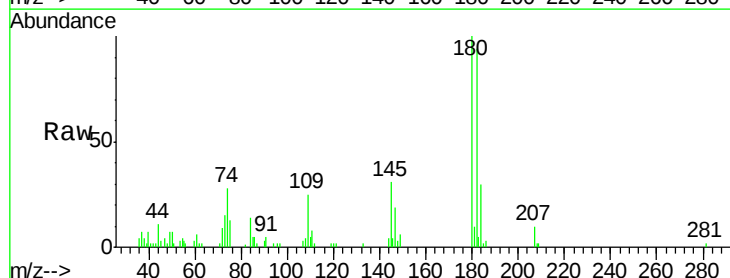
Tgt Ion:180 Resp: 18124

Ion Ratio Lower Upper

180 100

182 97.5 47.5 142.6

145 32.8 14.8 44.3



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

