

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032719\
 Data File : VN054711.D
 Acq On : 27 Mar 2019 10:27
 Operator : JC/SP
 Sample : VN0327WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 28 04:33:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 02:09:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	399714	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	641543	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	551787	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	236010	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	263564	53.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.02%	
35) Dibromofluoromethane	7.59	113	208647	50.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.96%	
50) Toluene-d8	10.09	98	761133	48.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.98%	
62) 4-Bromofluorobenzene	12.40	95	256062	48.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	80411	21.044	ug/l	100
3) Chloromethane	2.06	50	105165	20.228	ug/l	98
4) Vinyl Chloride	2.19	62	95920	18.376	ug/l	98
5) Bromomethane	2.57	94	54981	16.289	ug/l	97
6) Chloroethane	2.71	64	53001	16.929	ug/l	99
7) Trichlorofluoromethane	3.02	101	123623	19.502	ug/l	99
8) Diethyl Ether	3.41	74	41045	16.836	ug/l	68
9) 1,1,2-Trichlorotrifluoroet	3.75	101	70900	19.031	ug/l	92
10) Methyl Iodide	3.94	142	87176	15.908	ug/l #	88
11) Tert butyl alcohol	4.82	59	28353	94.195	ug/l #	70
12) 1,1-Dichloroethene	3.73	96	63188	16.390	ug/l #	72
13) Acrolein	3.61	56	41058	98.842	ug/l	95
14) Allyl chloride	4.32	41	148995	20.523	ug/l #	93
15) Acrylonitrile	5.00	53	157546	105.103	ug/l	100
16) Acetone	3.82	43	154162	103.134	ug/l #	82
17) Carbon Disulfide	4.04	76	172968	16.744	ug/l	98
18) Methyl Acetate	4.33	43	72541	21.773	ug/l	90
19) Methyl tert-butyl Ether	5.06	73	227400	20.210	ug/l	94
20) Methylene Chloride	4.55	84	88647	20.118	ug/l #	86
21) trans-1,2-Dichloroethene	5.04	96	79543	20.205	ug/l	87
22) Diisopropyl ether	5.96	45	310556	21.687	ug/l #	94
23) Vinyl Acetate	5.90	43	1067582	105.557	ug/l #	92
24) 1,1-Dichloroethane	5.85	63	165820	21.506	ug/l	97
25) 2-Butanone	6.85	43	206777	107.989	ug/l #	87
26) 2,2-Dichloropropane	6.82	77	117236	21.330	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	95659	20.372	ug/l	88
28) Bromochloromethane	7.19	49	82794	21.815	ug/l #	71
29) Tetrahydrofuran	7.22	42	130696	105.181	ug/l #	84
30) Chloroform	7.37	83	160126	21.280	ug/l	99
31) Cyclohexane	7.65	56	156059	20.009	ug/l	90
32) 1,1,1-Trichloroethane	7.57	97	130926	21.090	ug/l	95
36) 1,1-Dichloropropene	7.79	75	115496	19.254	ug/l	97
37) Ethyl Acetate	6.94	43	85045	19.934	ug/l	98
38) Carbon Tetrachloride	7.77	117	113913	19.542	ug/l	98

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 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 02:09:07 2019
 Response via : Initial Calibration

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

39) Methylcyclohexane	9.08	83	132516	19.313	ug/l #	87
40) Benzene	8.04	78	356278	20.771	ug/l	99
41) Methacrylonitrile	7.18	41	53946	20.734	ug/l #	84
42) 1,2-Dichloroethane	8.13	62	132194	21.162	ug/l	97
43) Isopropyl Acetate	8.17	43	145779	20.232	ug/l #	94
44) Trichloroethene	8.83	130	90585	18.995	ug/l	94
45) 1,2-Dichloropropane	9.12	63	100850	21.896	ug/l	100
46) Dibromomethane	9.21	93	57020	20.751	ug/l	88
47) Bromodichloromethane	9.40	83	120506	21.132	ug/l	96
48) Methyl methacrylate	9.20	41	75419	19.285	ug/l #	86
49) 1,4-Dioxane	9.21	88	16151	369.422	ug/l #	82
51) 4-Methyl-2-Pentanone	9.99	43	415431	104.036	ug/l	93
52) Toluene	10.16	92	214595	20.341	ug/l	96
53) t-1,3-Dichloropropene	10.38	75	104513	18.830	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	135786	20.767	ug/l	91
55) 1,1,2-Trichloroethane	10.56	97	77803	20.516	ug/l	95
56) Ethyl methacrylate	10.43	69	96564	18.971	ug/l #	83
57) 1,3-Dichloropropane	10.71	76	134959	20.473	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	174303	83.161	ug/l #	88
59) 2-Hexanone	10.75	43	263267	100.935	ug/l	90
60) Dibromochloromethane	10.90	129	81371	20.165	ug/l	98
61) 1,2-Dibromoethane	11.00	107	72850	19.431	ug/l	99
64) Tetrachloroethene	10.63	164	88818	19.406	ug/l	95
65) Chlorobenzene	11.43	112	226448	20.178	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	84213	20.906	ug/l	99
67) Ethyl Benzene	11.51	91	398046	20.079	ug/l	97
68) m/p-Xylenes	11.62	106	296105	39.434	ug/l	95
69) o-Xylene	11.95	106	142601	19.446	ug/l	94
70) Styrene	11.96	104	237601	19.952	ug/l	97
71) Bromoform	12.13	173	47061	18.414	ug/l #	100
73) Isopropylbenzene	12.25	105	383538	20.167	ug/l	98
74) N-amyl acetate	12.07	43	112616	20.594	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.50	83	90868	20.931	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	110709	29.561	ug/l #	100
77) Bromobenzene	12.53	156	91256	19.347	ug/l	82
78) n-propylbenzene	12.59	91	426216	20.667	ug/l	95
79) 2-Chlorotoluene	12.67	91	260024	20.219	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	317475	20.368	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	18665	19.263	ug/l #	70
82) 4-Chlorotoluene	12.77	91	249523	20.017	ug/l	98
83) tert-Butylbenzene	12.99	119	272062	20.052	ug/l	94
84) 1,2,4-Trimethylbenzene	13.04	105	309238	20.219	ug/l	98
85) sec-Butylbenzene	13.17	105	344952	20.395	ug/l	98
86) p-Isopropyltoluene	13.29	119	304380	20.116	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	156081	19.968	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	147640	19.413	ug/l	95
89) n-Butylbenzene	13.61	91	237461	20.070	ug/l	97
90) Hexachloroethane	13.88	117	47941	20.411	ug/l	87
91) 1,2-Dichlorobenzene	13.65	146	155091	20.485	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	12496	19.624	ug/l	86

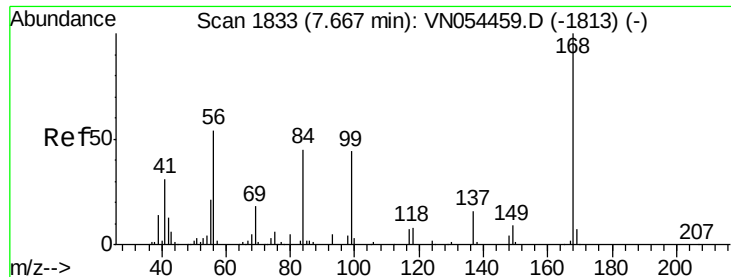
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Quant Title : SW846 8260
QLast Update : Fri Mar 22 02:09:07 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	67141	17.790	ug/l	99
94) Hexachlorobutadiene	15.01	225	50435	22.417	ug/l	97
95) Naphthalene	15.13	128	147971	17.577	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	69677	18.549	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN054711.D

Acq: 27 Mar 2019 10:27

Instrument :

MSVOA_N

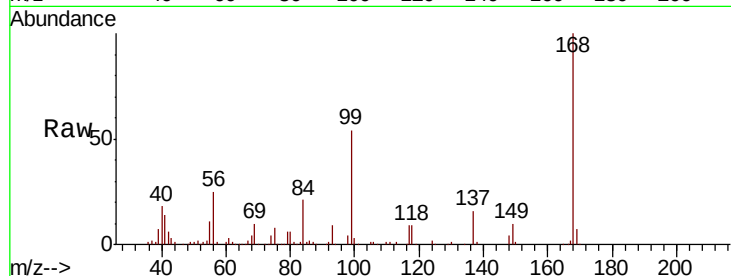
ClientSampleId :

Tot Ion:168 Resp: 399714

Ion Ratio Lower Upper

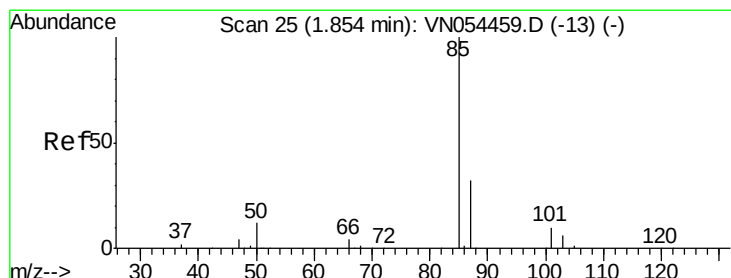
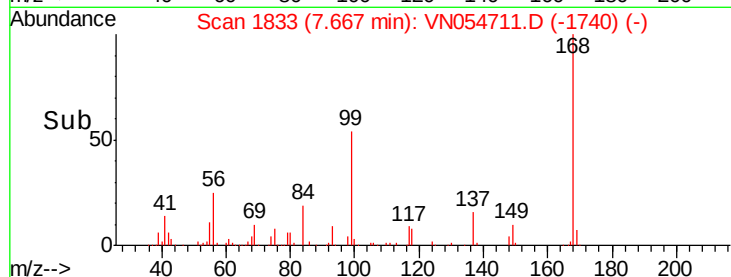
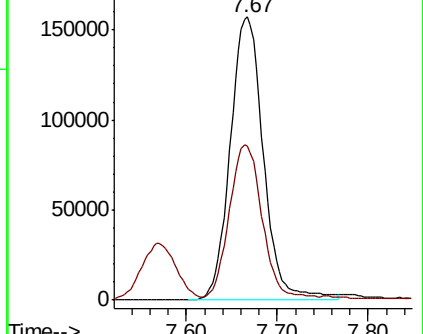
168 100

99 53.2 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: 21.044 ug/l

RT: 1.85 min Scan# 25

Delta R.T. -0.00 min

Lab File: VN054711.D

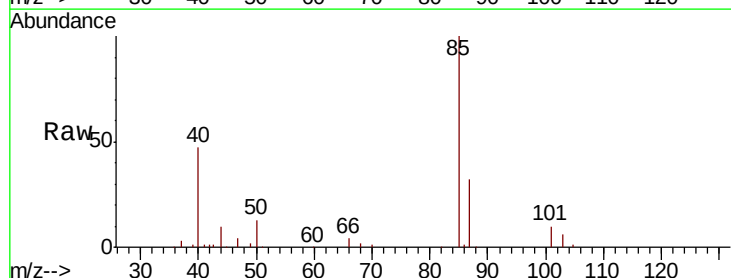
Acq: 27 Mar 2019 10:27

Tgt Ion: 85 Resp: 80411

Ion Ratio Lower Upper

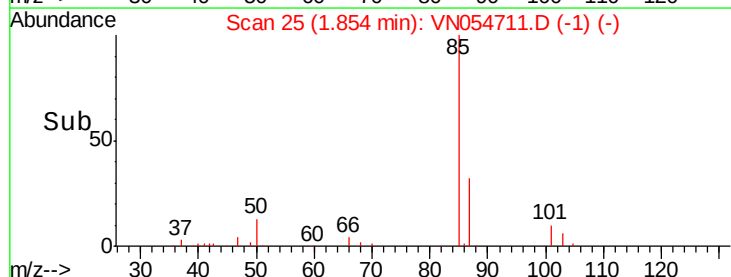
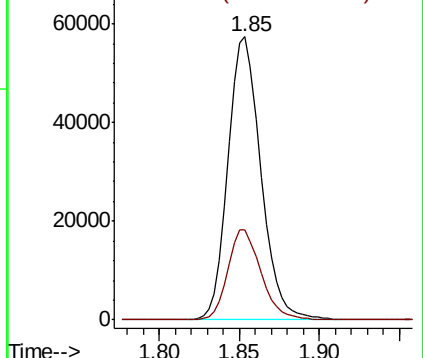
85 100

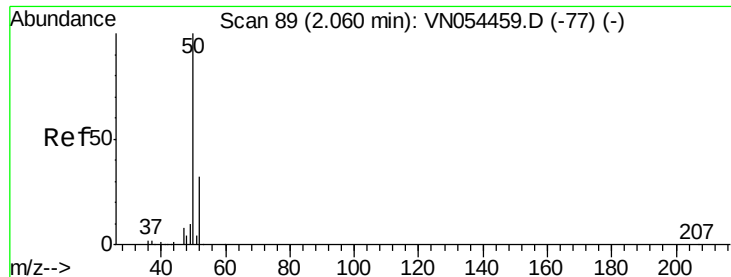
87 32.0 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 20.228 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN054711.D

Acq: 27 Mar 2019 10:27

Instrument :

MSVOA_N

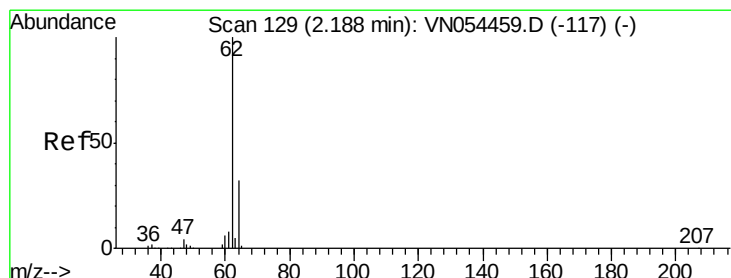
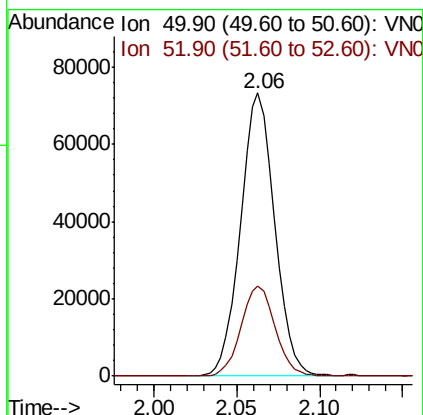
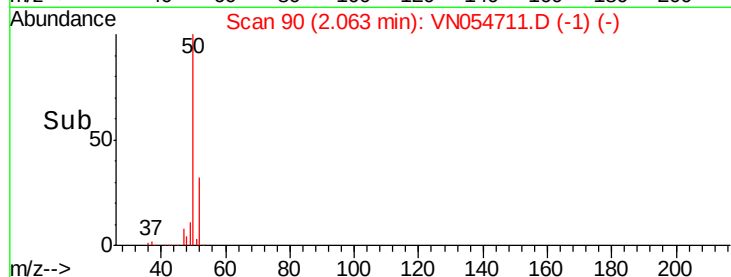
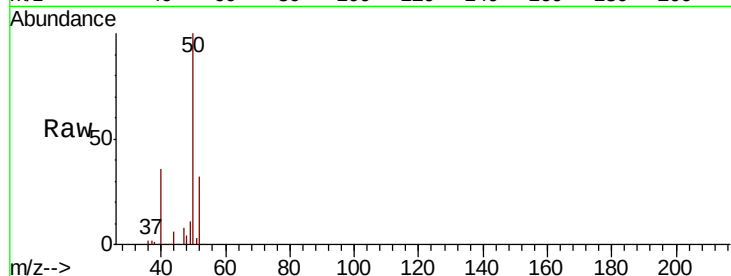
ClientSampled :

Tot Ion: 50 Resp: 105165

Ion Ratio Lower Upper

50 100

52 32.0 26.4 39.6



#4

Vinyl Chloride

Concen: 18.376 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN054711.D

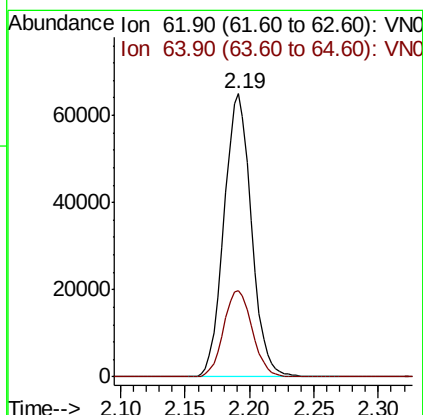
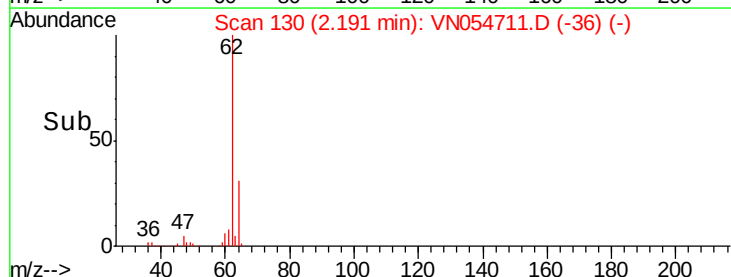
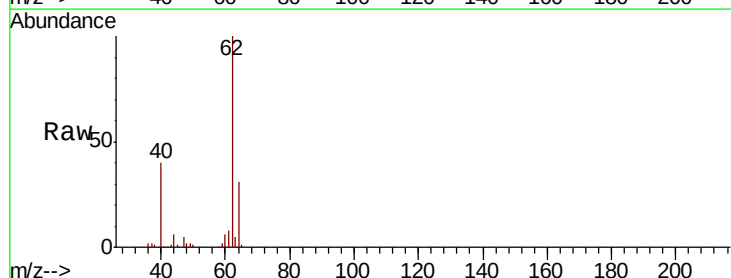
Acq: 27 Mar 2019 10:27

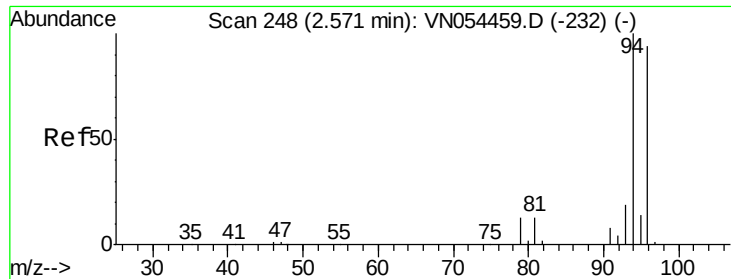
Tgt Ion: 62 Resp: 95920

Ion Ratio Lower Upper

62 100

64 30.7 25.5 38.3





#5

Bromomethane

Concen: 16.289 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN054711.D

Acq: 27 Mar 2019 10:27

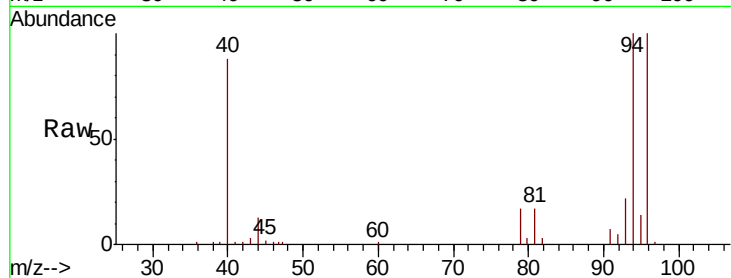
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 94 Resp: 54981

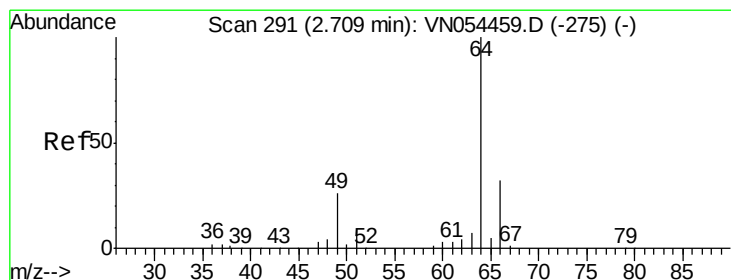
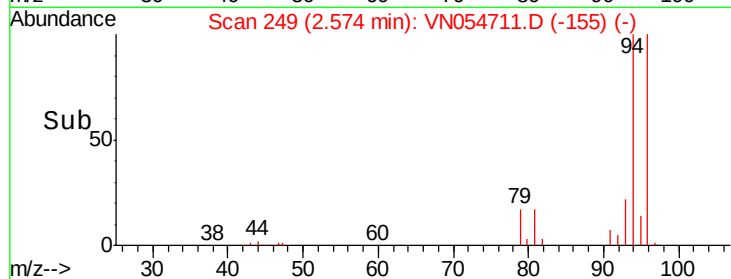
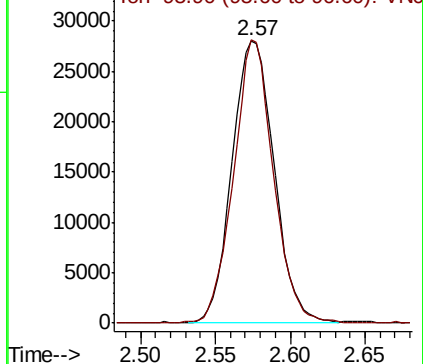
Ion Ratio Lower Upper

94 100

96 99.6 77.0 115.4



Abundance Ion 93.90 (93.60 to 94.60): VN0
Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 16.929 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN054711.D

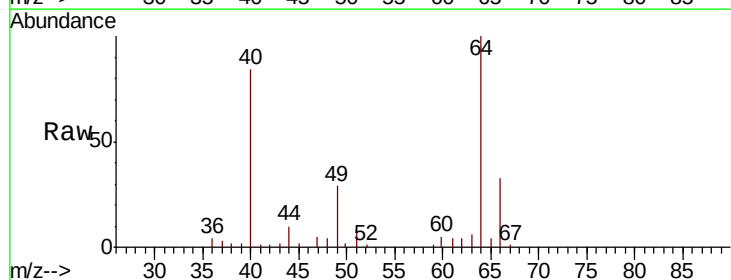
Acq: 27 Mar 2019 10:27

Tgt Ion: 64 Resp: 53001

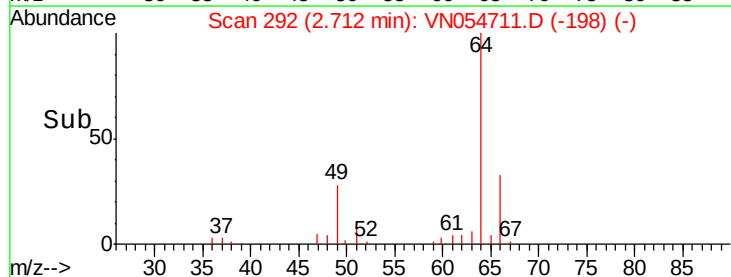
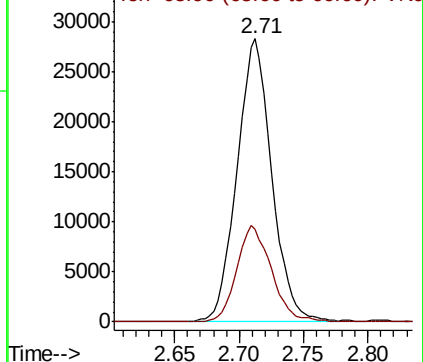
Ion Ratio Lower Upper

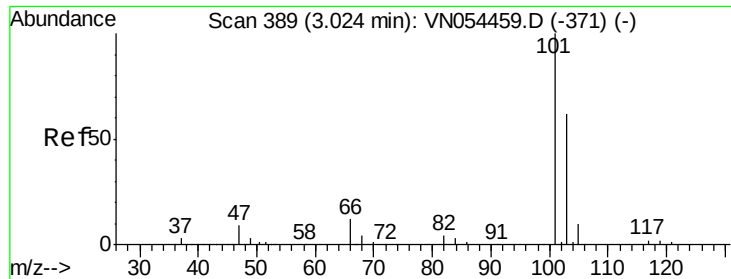
64 100

66 32.9 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN0
Ion 65.90 (65.60 to 66.60): VN0



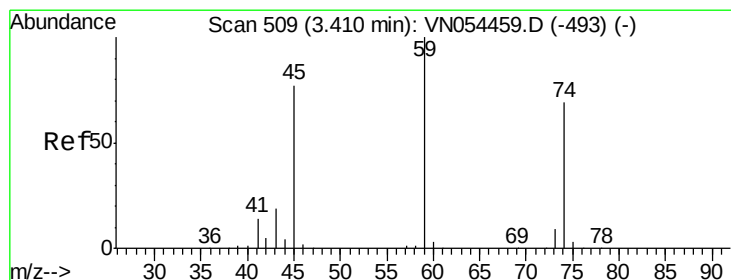
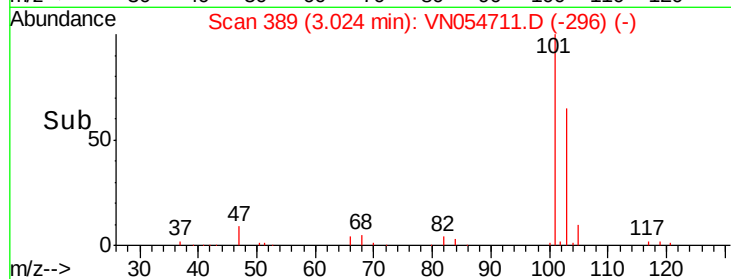
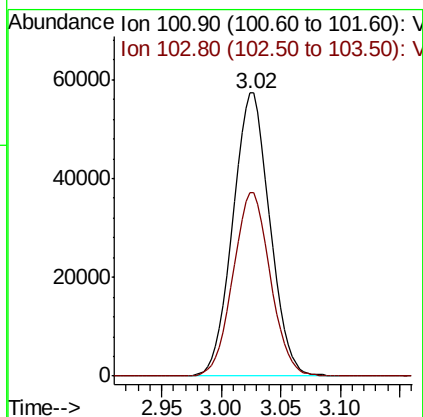
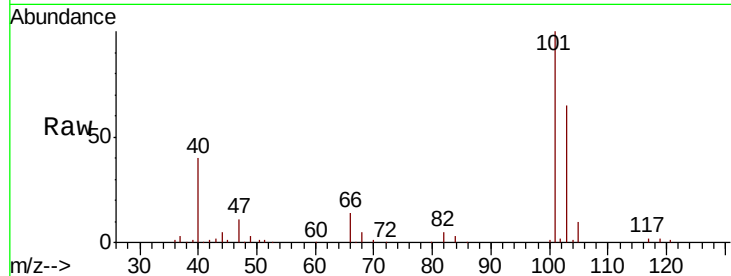


#7

Trichlorofluoromethane
 Concen: 19.502 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. -0.00 min
 Lab File: VN054711.D
 Acq: 27 Mar 2019 10:27

Instrument :
 MSVOA_N
 ClientSampleId :

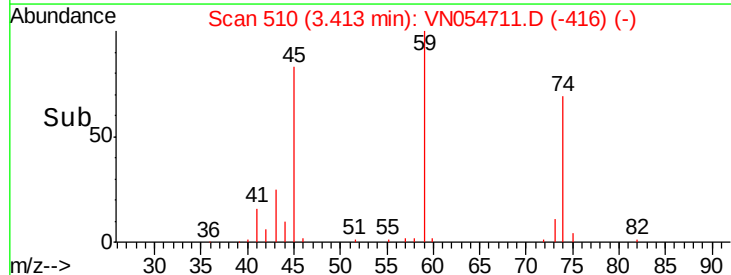
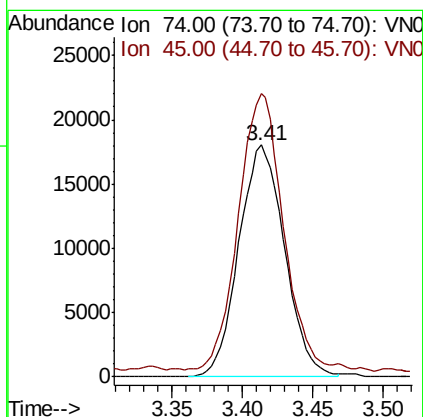
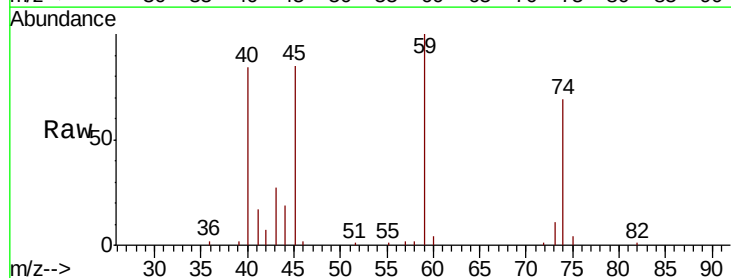
Tot Ion:101 Resp: 123623
 Ion Ratio Lower Upper
 101 100
 103 65.0 51.4 77.2

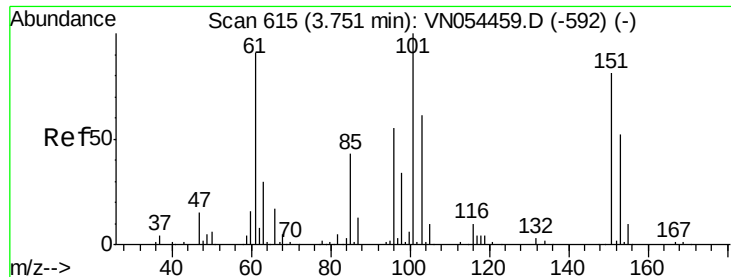


#8

Diethyl Ether
 Concen: 16.836 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN054711.D
 Acq: 27 Mar 2019 10:27

Tgt Ion: 74 Resp: 41045
 Ion Ratio Lower Upper
 74 100
 45 116.1 43.1 129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.031 ug/l

RT: 3.75 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN054711.D

Acq: 27 Mar 2019 10:27

Instrument :

MSVOA_N

ClientSampleId :

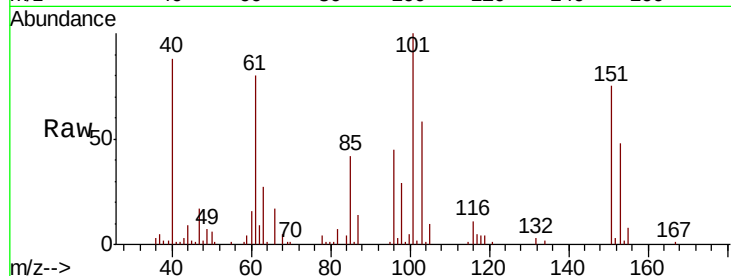
Tot Ion:101 Resp: 70900

Ion Ratio Lower Upper

101 100

85 46.0 32.4 48.6

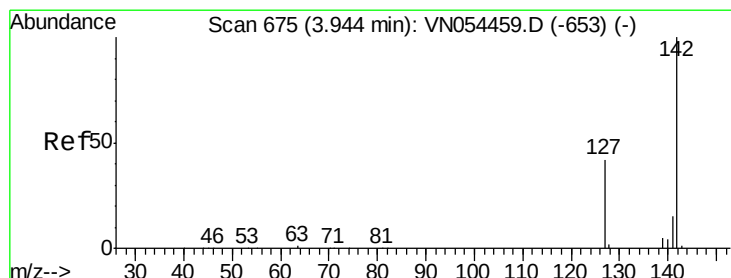
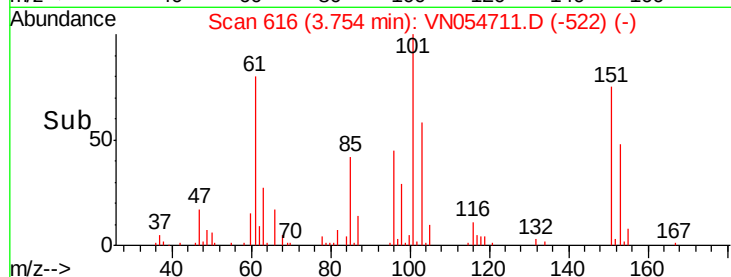
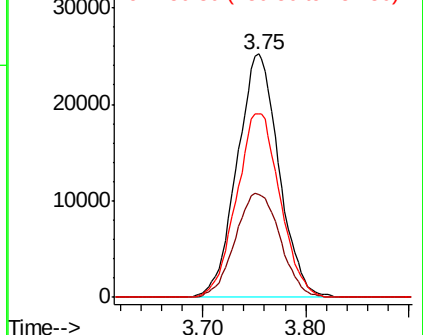
151 78.3 68.2 102.2



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: 15.908 ug/l

RT: 3.94 min Scan# 674

Delta R.T. -0.00 min

Lab File: VN054711.D

Acq: 27 Mar 2019 10:27

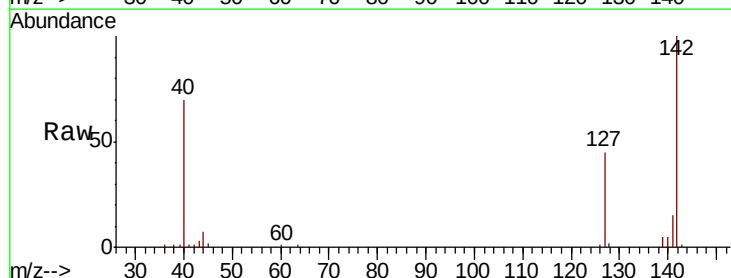
Tgt Ion:142 Resp: 87176

Ion Ratio Lower Upper

142 100

127 47.9 30.3 45.5#

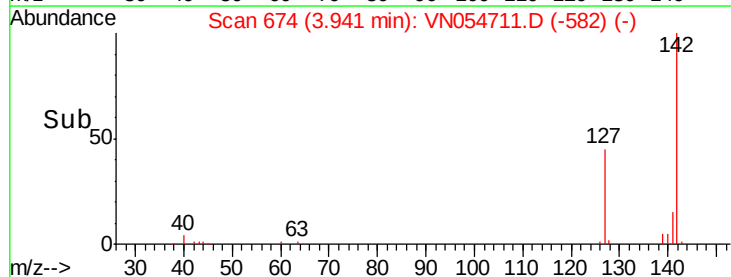
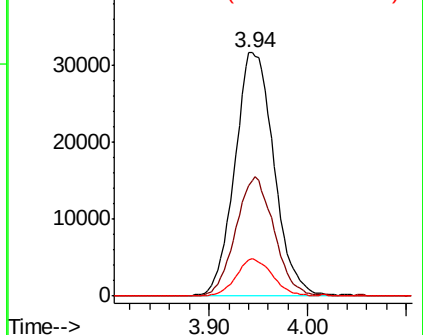
141 14.3 11.2 16.8

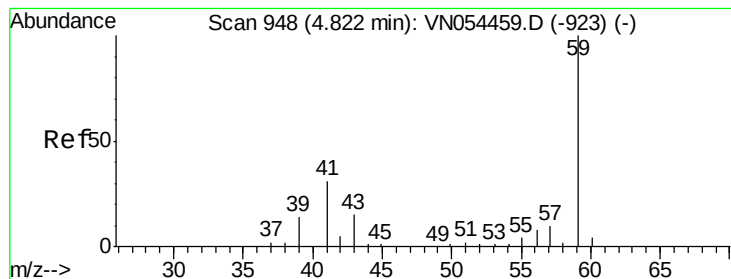


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



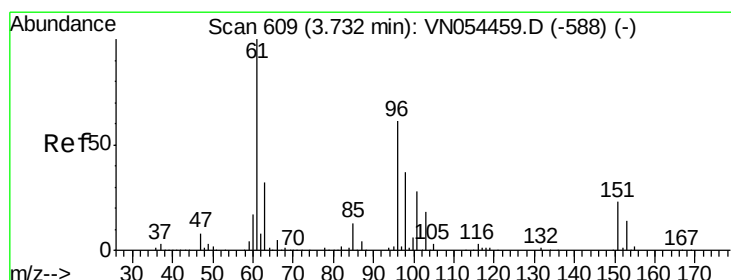
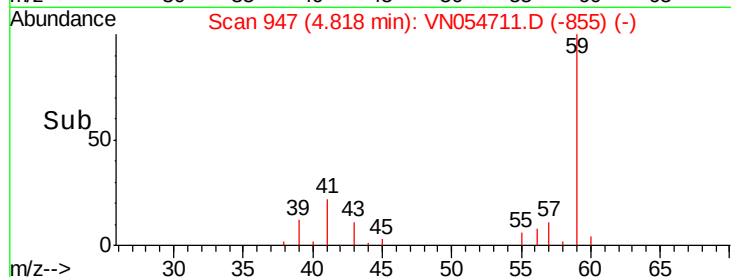
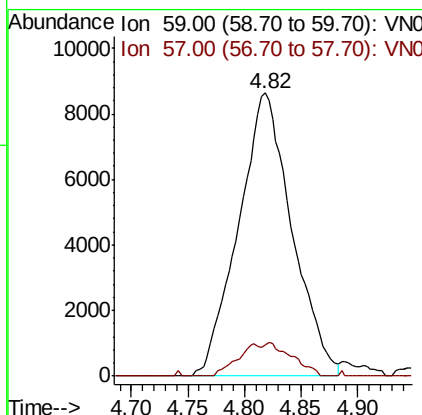
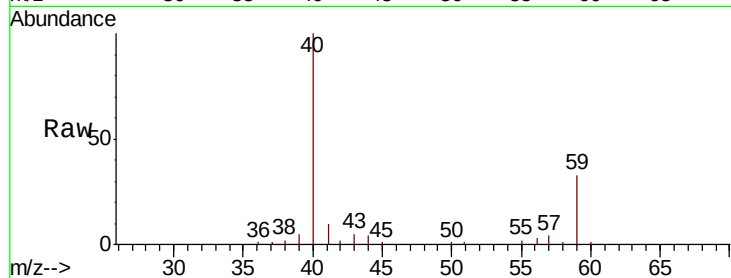


#11

Tert butyl alcohol
 Concen: 94.195 ug/l
 RT: 4.82 min Scan# 947
 Delta R.T. -0.00 min
 Lab File: VN054711.D
 Acq: 27 Mar 2019 10:27

Instrument :
 MSVOA_N
 ClientSampleId :

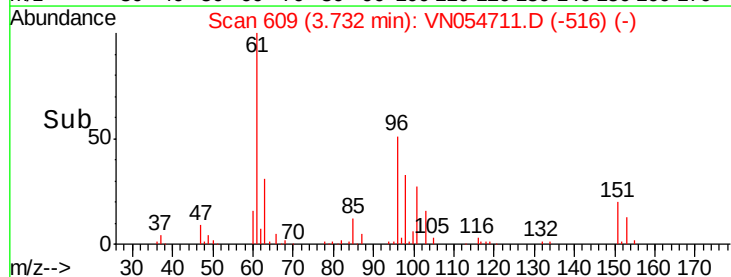
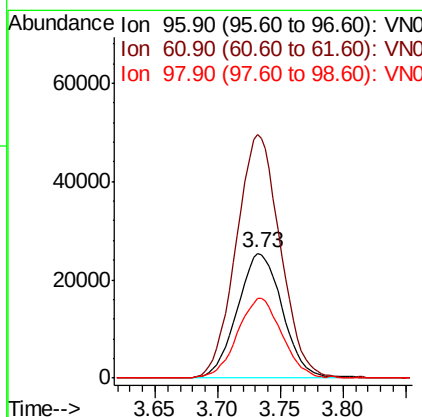
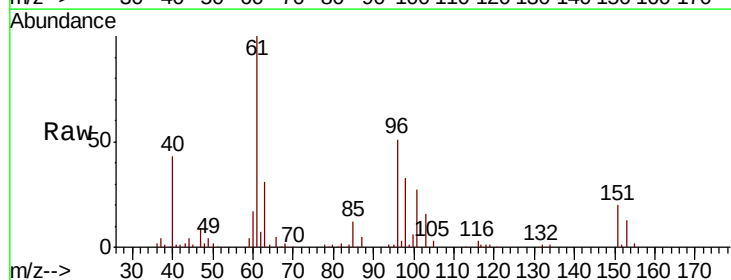
Tot Ion: 59 Resp: 28353
 Ion Ratio Lower Upper
 59 100
 57 0.0 9.0 13.6#

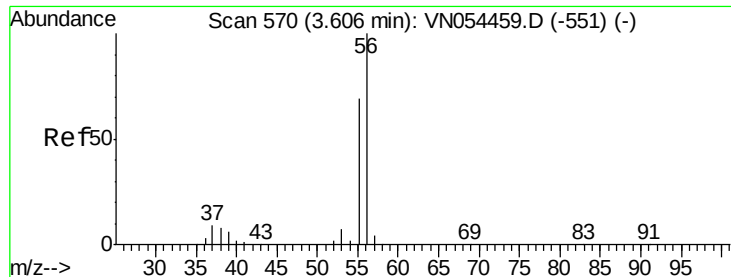


#12

1,1-Dichloroethene
 Concen: 16.390 ug/l
 RT: 3.73 min Scan# 609
 Delta R.T. -0.00 min
 Lab File: VN054711.D
 Acq: 27 Mar 2019 10:27

Tgt Ion: 96 Resp: 63188
 Ion Ratio Lower Upper
 96 100
 61 195.2 116.5 174.7#
 98 63.6 51.0 76.4





#13

Acrolein

Concen: 98.842 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN054711.D

Acq: 27 Mar 2019 10:27

Instrument :

MSVOA_N

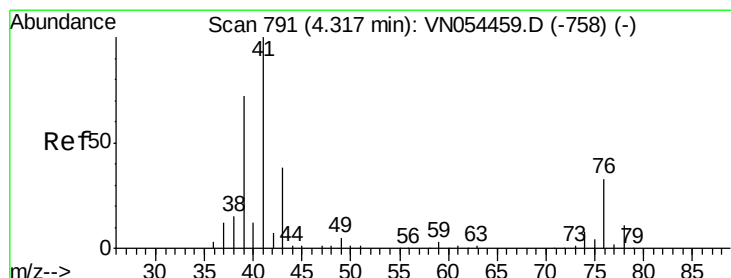
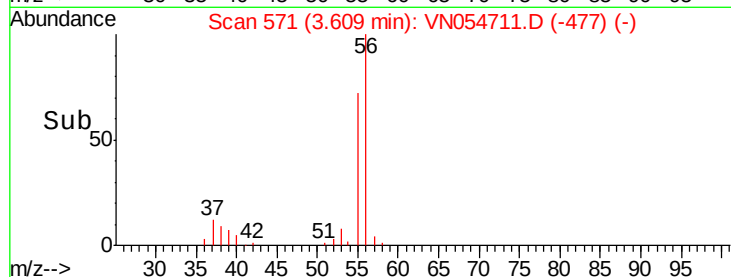
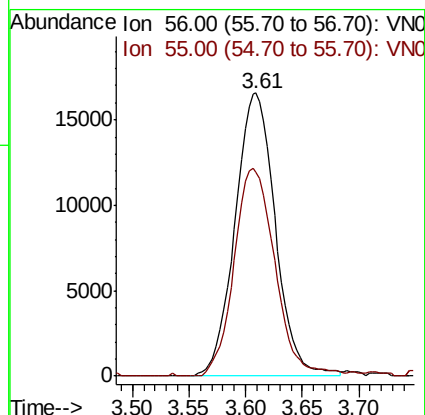
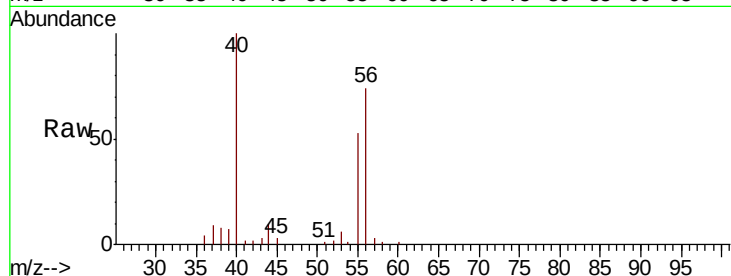
ClientSampleId :

Tot Ion: 56 Resp: 41058

Ion Ratio Lower Upper

56 100

55 74.7 56.7 85.1



#14

Allyl chloride

Concen: 20.523 ug/l

RT: 4.32 min Scan# 792

Delta R.T. 0.00 min

Lab File: VN054711.D

Acq: 27 Mar 2019 10:27

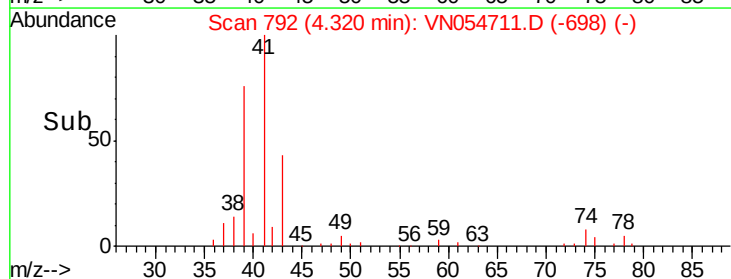
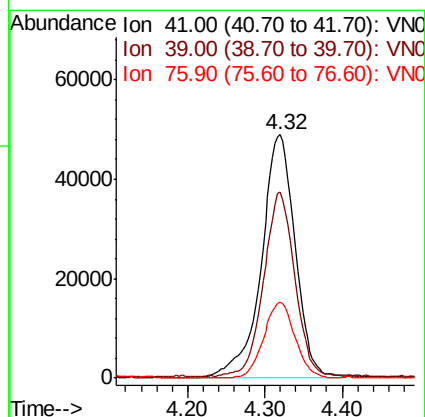
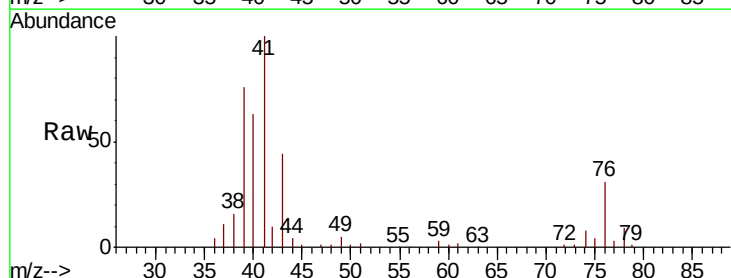
Tgt Ion: 41 Resp: 148995

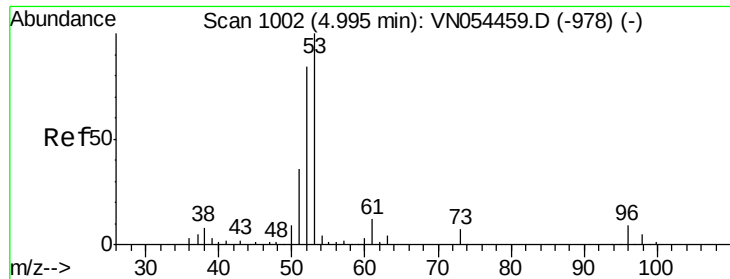
Ion Ratio Lower Upper

41 100

39 71.4 58.2 87.4

76 28.8 31.7 47.5#

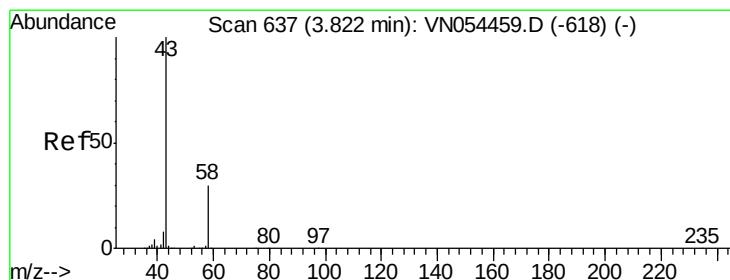
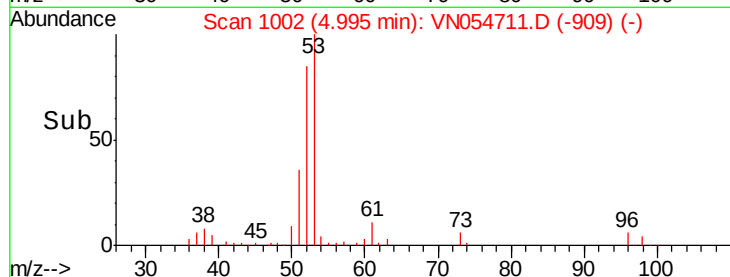
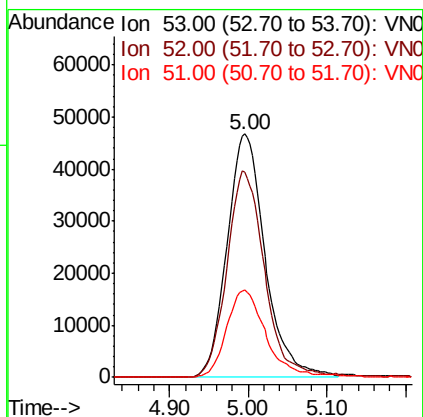
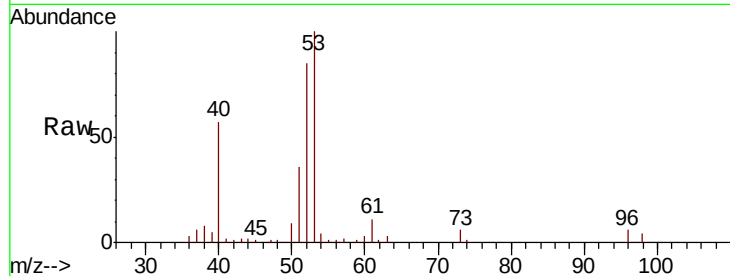




#15
 Acrylonitrile
 Concen: 105.103 ug/l
 RT: 5.00 min Scan# 1002
 Delta R.T. -0.00 min
 Lab File: VN054711.D
 Acq: 27 Mar 2019 10:27

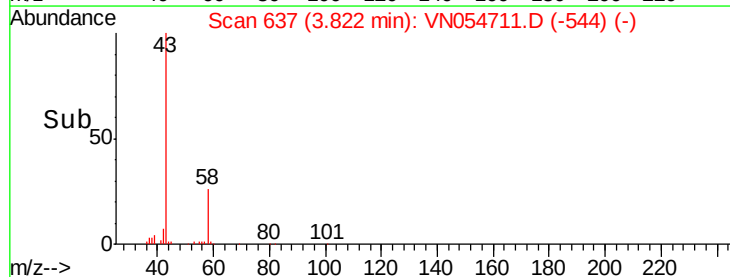
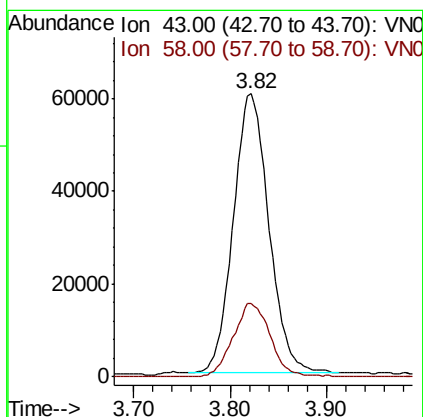
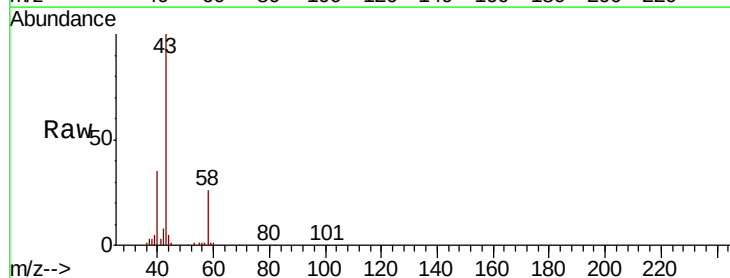
Instrument :
 MSVOA_N
 ClientSampleId :

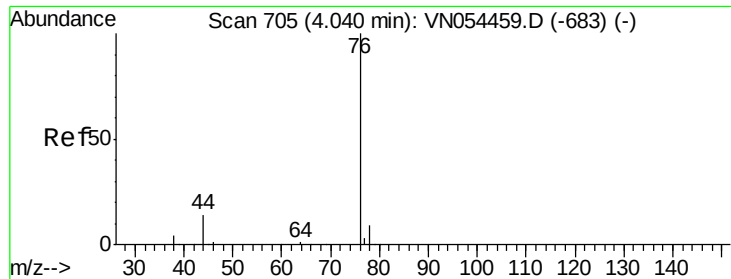
Tot Ion: 53 Resp: 157546
 Ion Ratio Lower Upper
 53 100
 52 83.4 66.4 99.6
 51 36.9 29.6 44.4



#16
 Acetone
 Concen: 103.134 ug/l
 RT: 3.82 min Scan# 637
 Delta R.T. -0.00 min
 Lab File: VN054711.D
 Acq: 27 Mar 2019 10:27

Tgt Ion: 43 Resp: 154162
 Ion Ratio Lower Upper
 43 100
 58 26.4 29.9 44.9#





#17

Carbon Disulfide

Concen: 16.744 ug/l

RT: 4.04 min Scan# 706

Delta R.T. 0.00 min

Lab File: VN054711.D

Acq: 27 Mar 2019 10:27

Instrument :

MSVOA_N

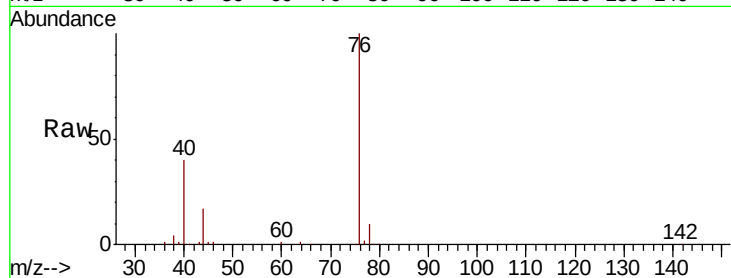
ClientSampleId :

Tot Ion: 76 Resp: 172968

Ion Ratio Lower Upper

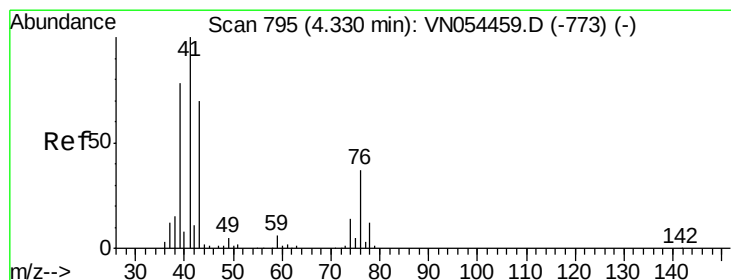
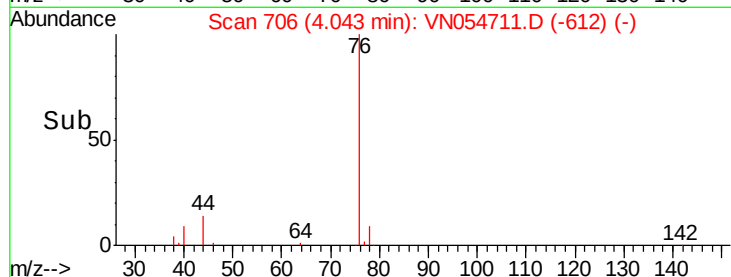
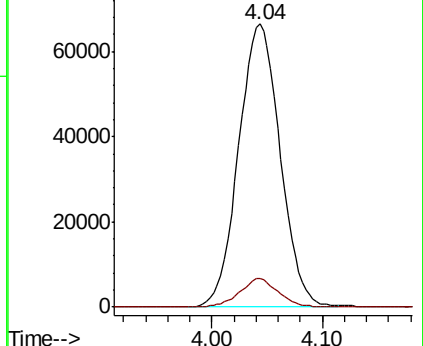
76 100

78 10.2 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 21.773 ug/l

RT: 4.33 min Scan# 795

Delta R.T. -0.00 min

Lab File: VN054711.D

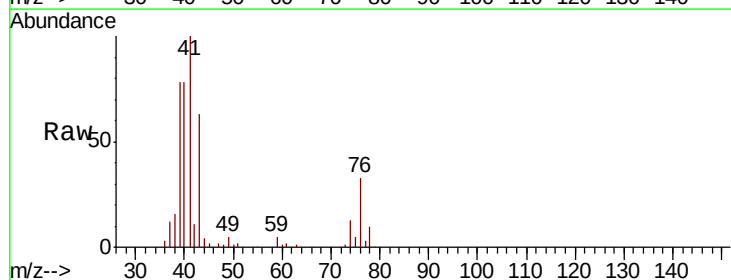
Acq: 27 Mar 2019 10:27

Tgt Ion: 43 Resp: 72541

Ion Ratio Lower Upper

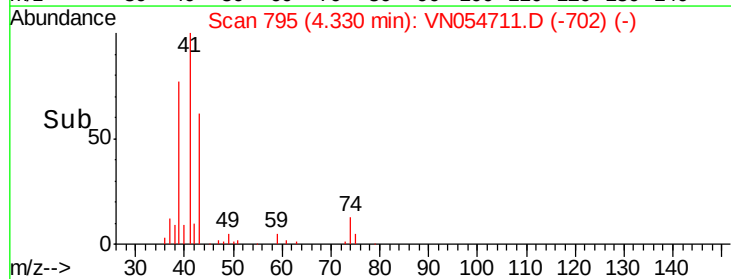
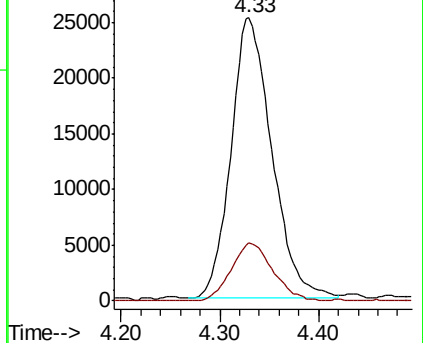
43 100

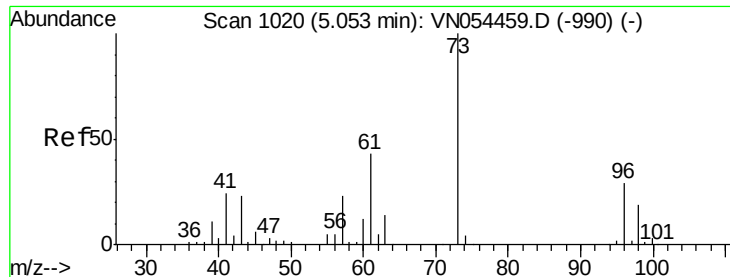
74 21.0 20.8 31.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

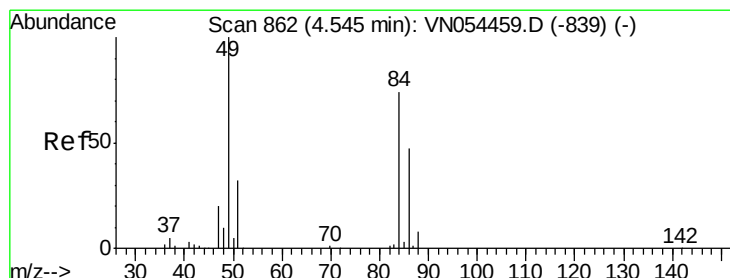
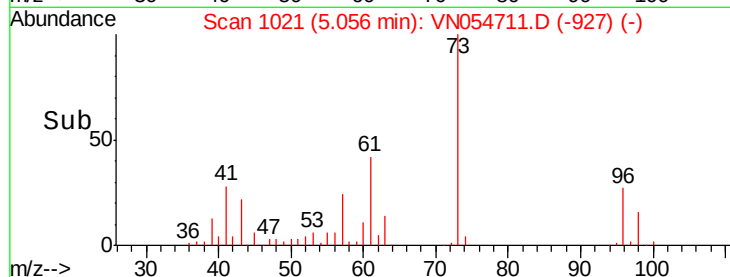
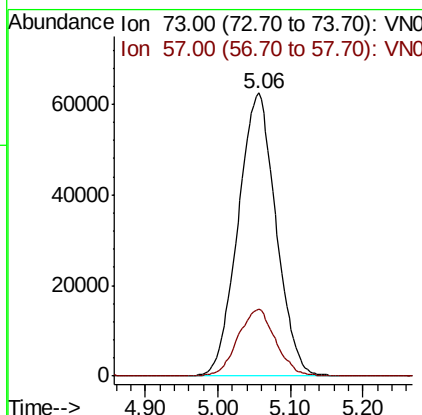
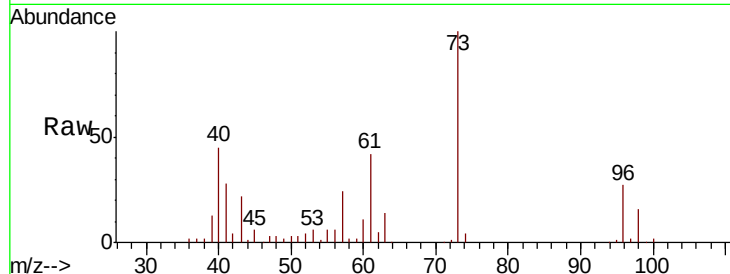




#19
Methyl tert-butyl Ether
Concen: 20.210 ug/l
RT: 5.06 min Scan# 1021
Delta R.T. 0.00 min
Lab File: VN054711.D
Acq: 27 Mar 2019 10:27

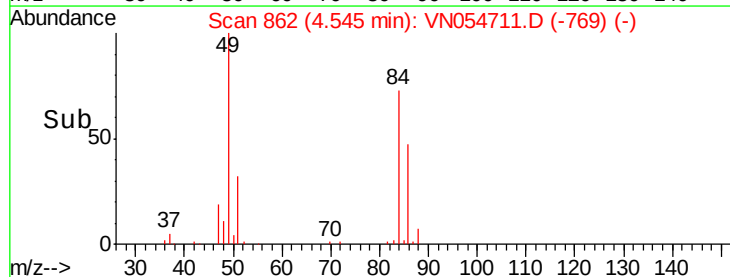
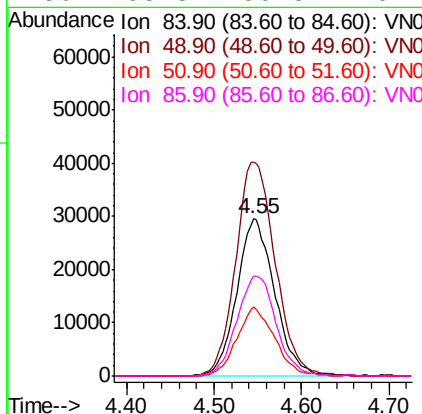
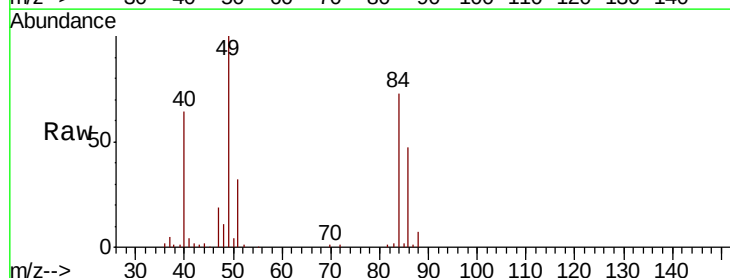
Instrument :
MSVOA_N
ClientSampled :

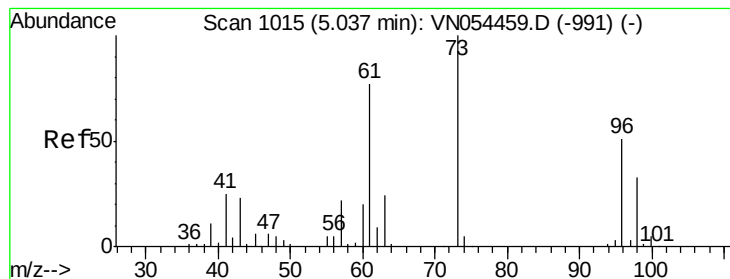
Tot Ion: 73 Resp: 227400
Ion Ratio Lower Upper
73 100
57 23.7 16.8 25.2



#20
Methylene Chloride
Concen: 20.118 ug/l
RT: 4.55 min Scan# 862
Delta R.T. 0.00 min
Lab File: VN054711.D
Acq: 27 Mar 2019 10:27

Tgt Ion: 84 Resp: 88647
Ion Ratio Lower Upper
84 100
49 136.1 89.7 134.5#
51 43.8 28.2 42.4#
86 63.8 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 20.205 ug/l

RT: 5.04 min Scan# 1016

Delta R.T. 0.00 min

Lab File: VN054711.D

Acq: 27 Mar 2019 10:27

Instrument :

MSVOA_N

ClientSampled :

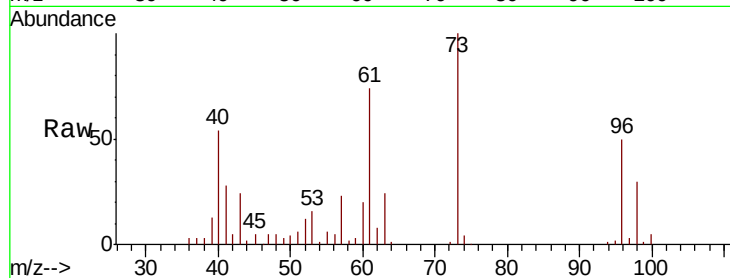
Tot Ion: 96 Resp: 79543

Ion Ratio Lower Upper

96 100

61 149.6 102.8 154.2

98 59.7 50.0 75.0

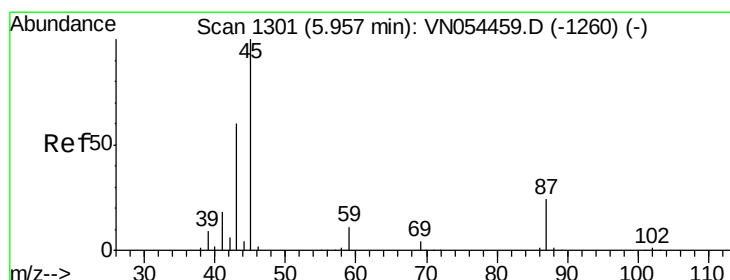
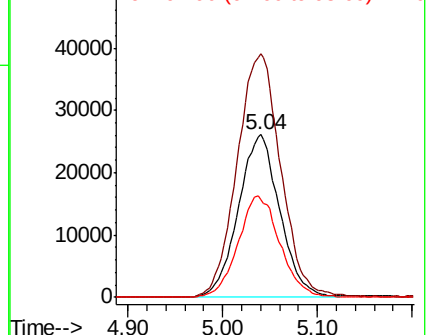
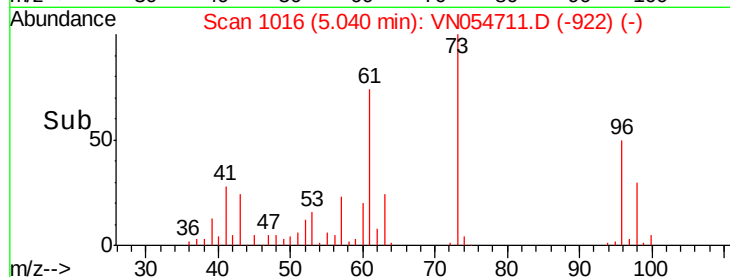


Abundance

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: 21.687 ug/l

RT: 5.96 min Scan# 1302

Delta R.T. 0.00 min

Lab File: VN054711.D

Acq: 27 Mar 2019 10:27

Tgt Ion: 45 Resp: 310556

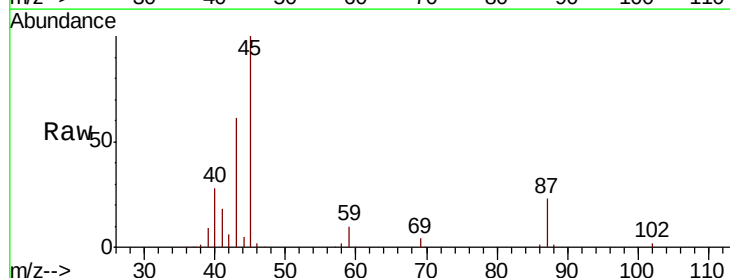
Ion Ratio Lower Upper

45 100

43 58.6 48.2 72.2

87 22.6 24.9 37.3#

59 10.0 9.5 14.3



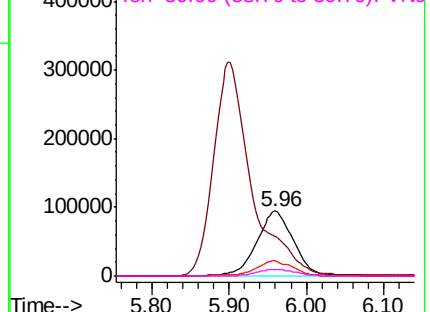
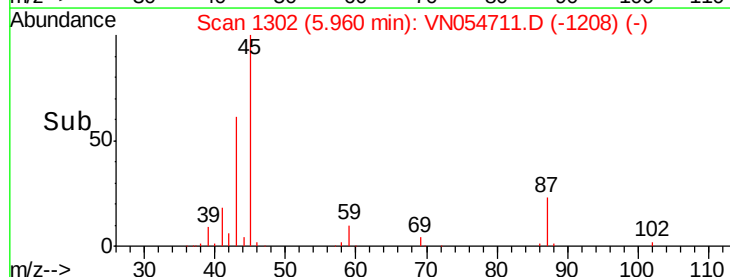
Abundance

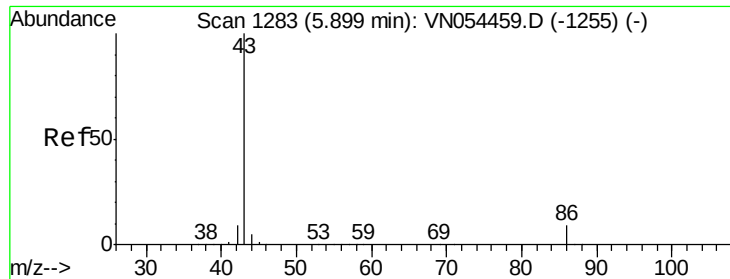
Ion 45.00 (44.70 to 45.70): VN0

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

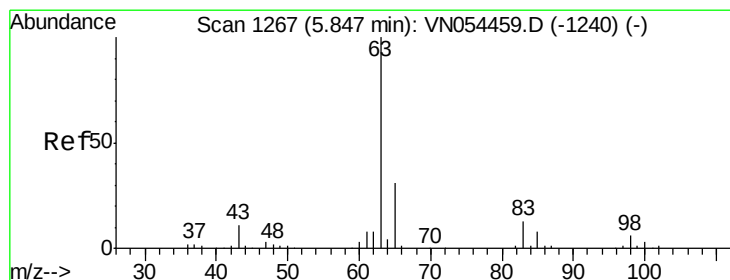
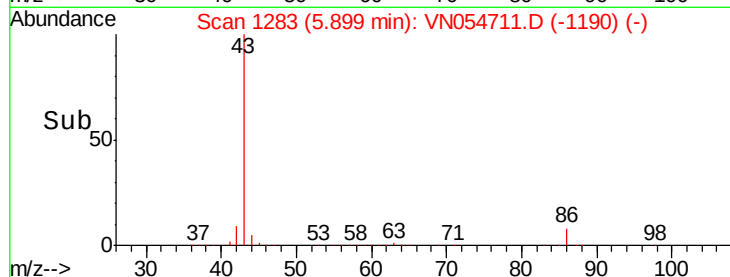
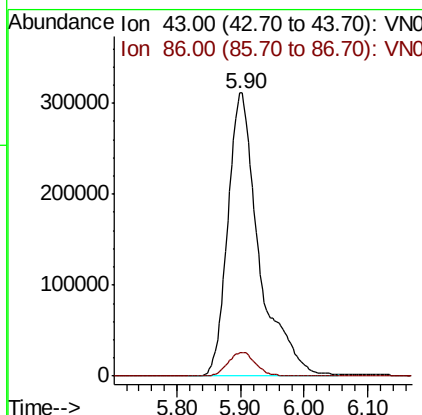
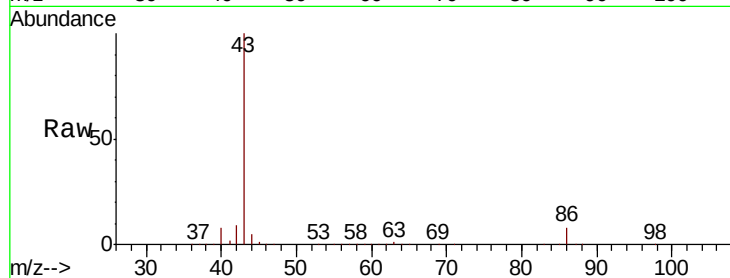




#23
 Vinyl Acetate
 Concen: 105.557 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. -0.00 min
 Lab File: VN054711.D
 Acq: 27 Mar 2019 10:27

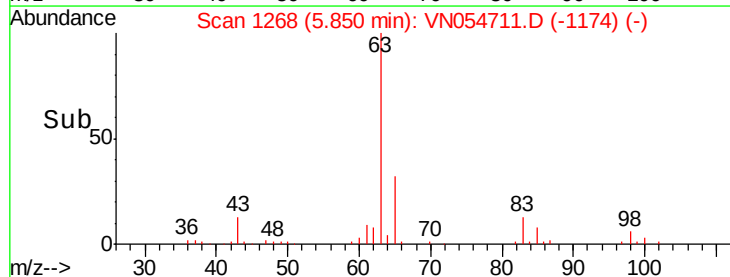
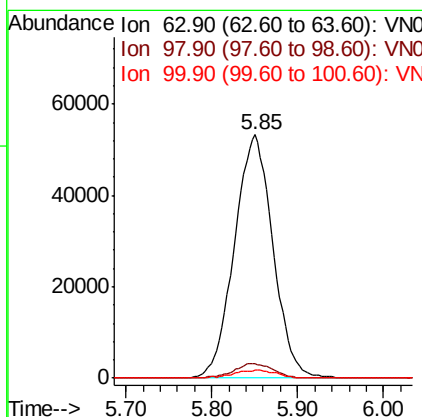
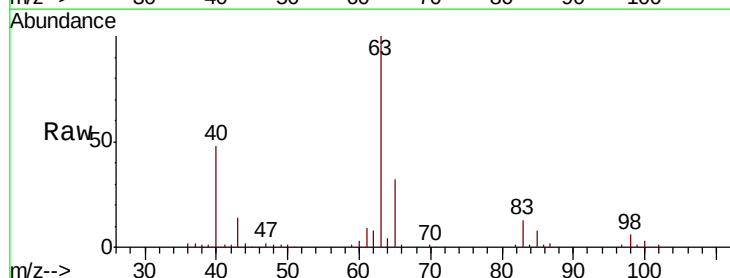
Instrument :
 MSVOA_N
 ClientSampleId :

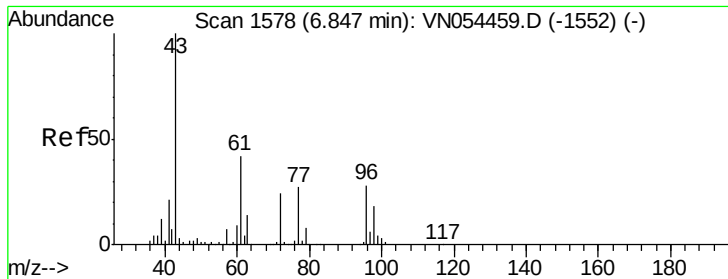
Tot Ion: 43 Resp: 1067582
 Ion Ratio Lower Upper
 43 100
 86 8.3 9.1 13.7#



#24
 1,1-Dichloroethane
 Concen: 21.506 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VN054711.D
 Acq: 27 Mar 2019 10:27

Tgt Ion: 63 Resp: 165820
 Ion Ratio Lower Upper
 63 100
 98 5.7 3.5 10.5
 100 3.1 2.0 6.0





#25

2-Butanone

Concen: 107.989 ug/l

RT: 6.85 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VN054711.D

Acq: 27 Mar 2019 10:27

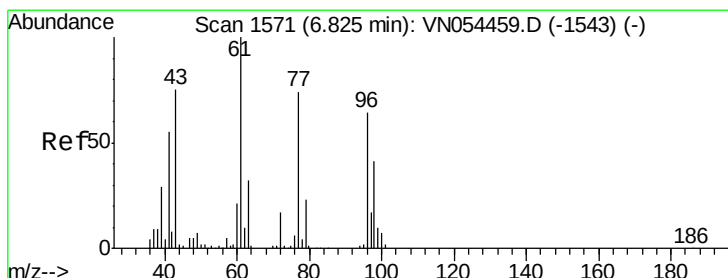
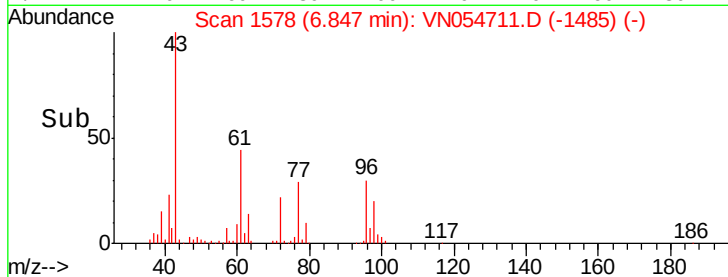
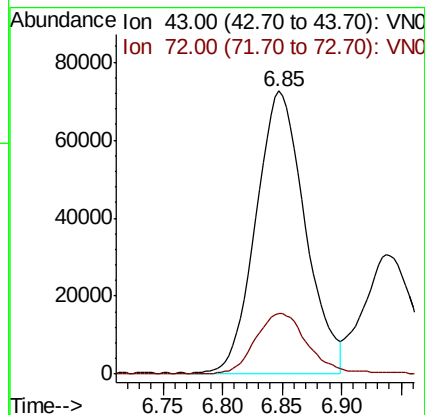
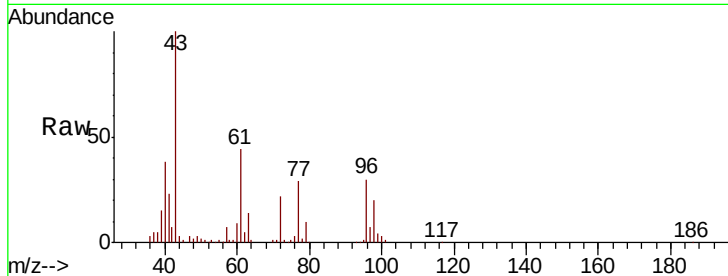
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 206777

Ion Ratio Lower Upper

43 100

72 21.7 23.0 34.6#



#26

2,2-Dichloropropane

Concen: 21.330 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN054711.D

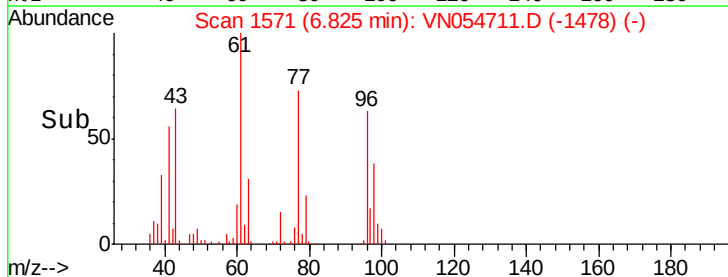
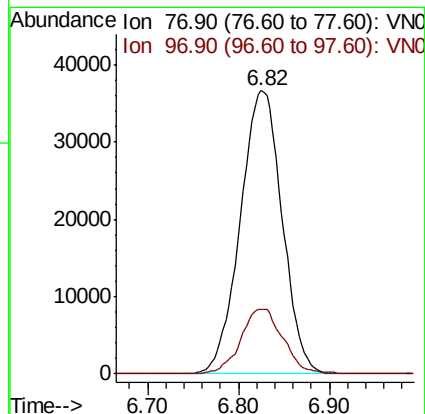
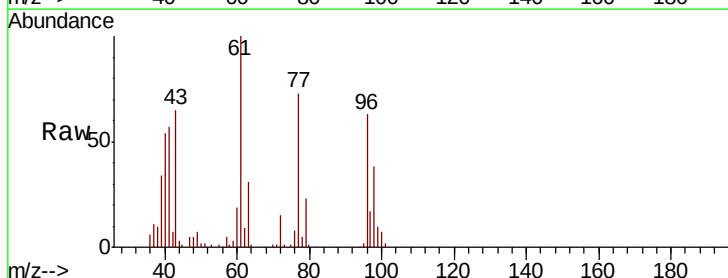
Acq: 27 Mar 2019 10:27

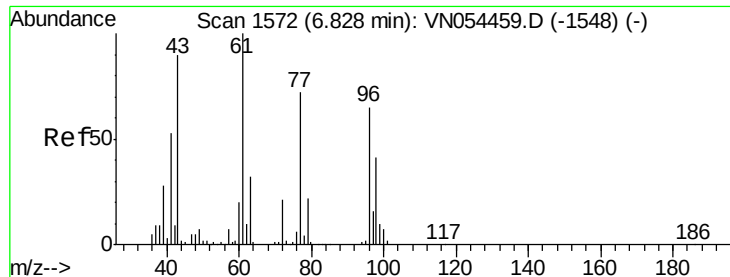
Tgt Ion: 77 Resp: 117236

Ion Ratio Lower Upper

77 100

97 23.0 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 20.372 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN054711.D

Acq: 27 Mar 2019 10:27

Instrument :
MSVOA_N
ClientSampled :

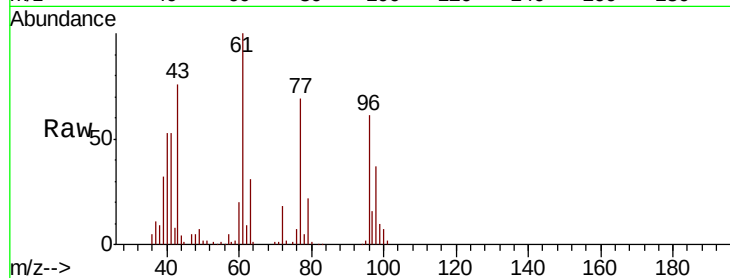
Tot Ion: 96 Resp: 95659

Ion Ratio Lower Upper

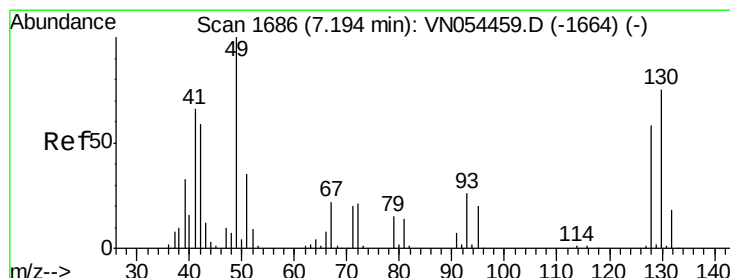
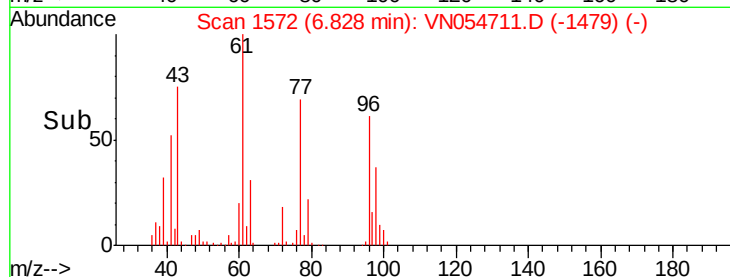
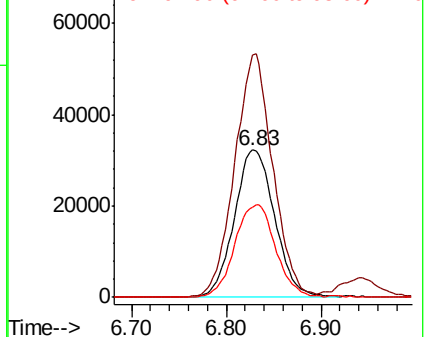
96 100

61 156.2 0.0 273.0

98 63.8 0.0 130.6



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



#28

Bromochloromethane

Concen: 21.815 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN054711.D

Acq: 27 Mar 2019 10:27

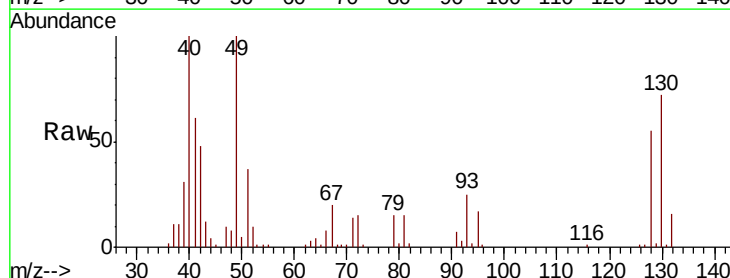
Tgt Ion: 49 Resp: 82794

Ion Ratio Lower Upper

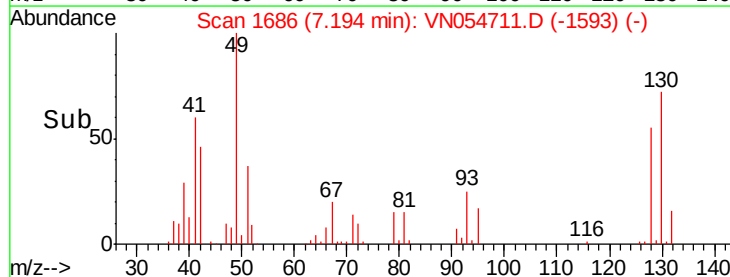
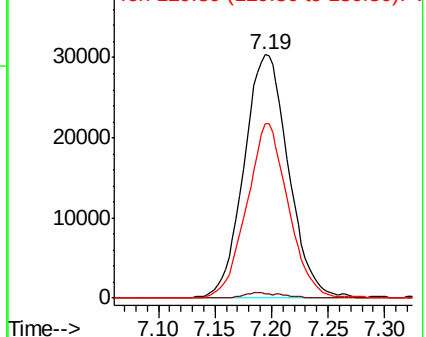
49 100

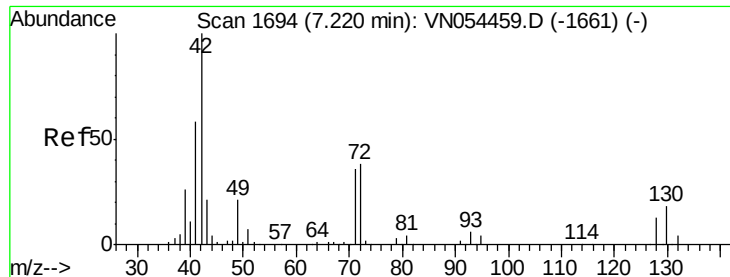
129 1.3 0.0 4.6

130 66.9 76.7 115.1#



Abundance Ion 48.90 (48.60 to 49.60): VN0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

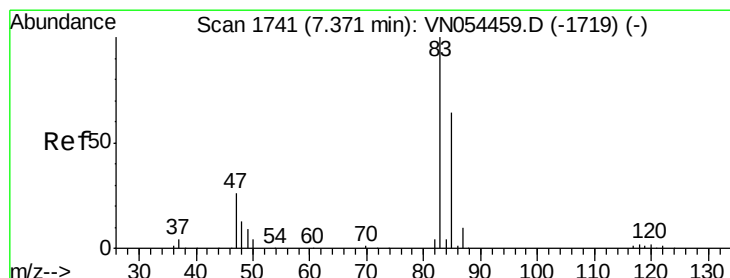
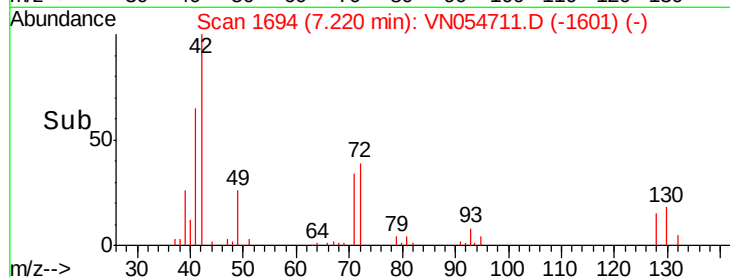
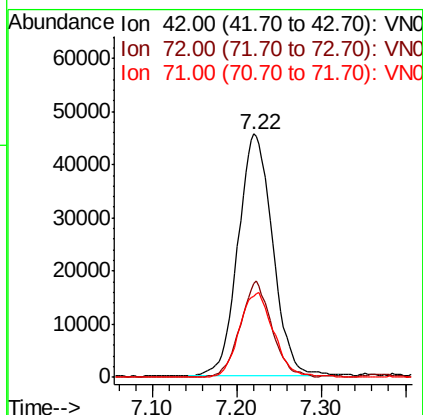
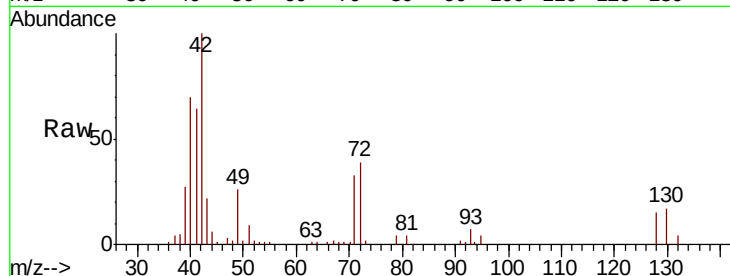




#29
Tetrahydrofuran
Concen: 105.181 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.00 min
Lab File: VN054711.D
Acq: 27 Mar 2019 10:27

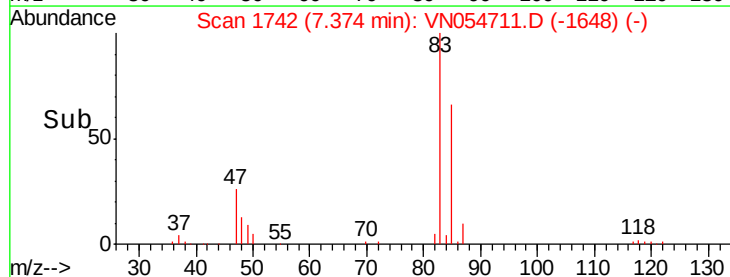
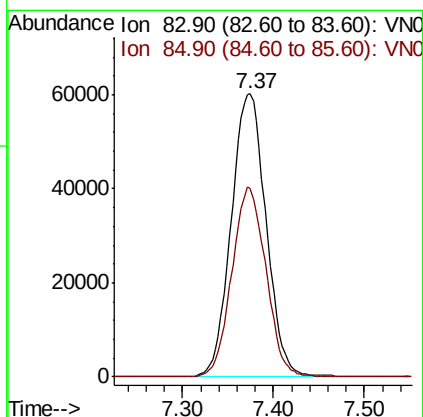
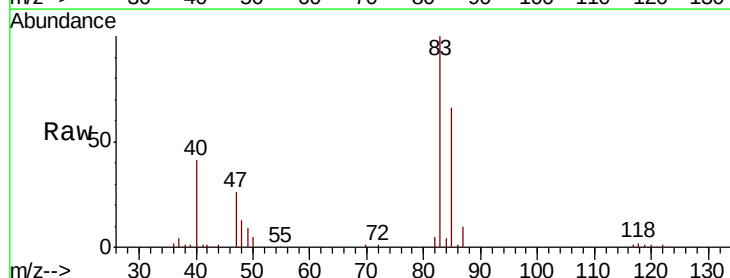
Instrument :
MSVOA_N
ClientSampled :

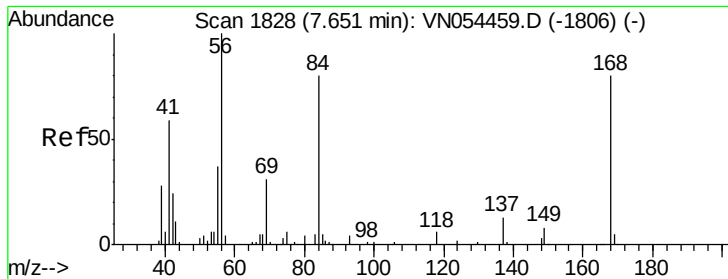
Tot Ion: 42 Resp: 130696
Ion Ratio Lower Upper
42 100
72 36.1 37.8 56.6#
71 34.6 36.2 54.2#



#30
Chloroform
Concen: 21.280 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN054711.D
Acq: 27 Mar 2019 10:27

Tgt Ion: 83 Resp: 160126
Ion Ratio Lower Upper
83 100
85 66.5 52.2 78.4

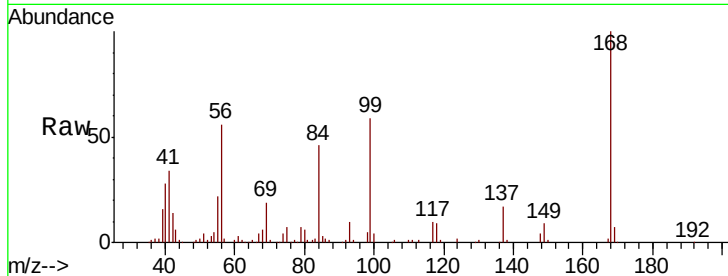




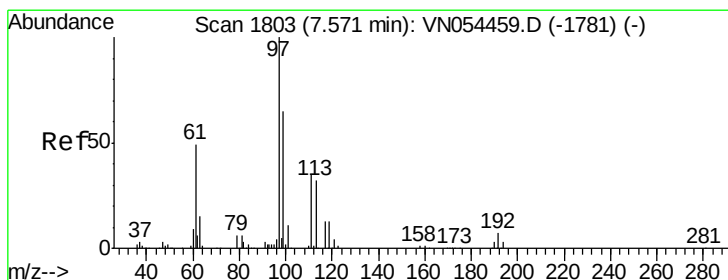
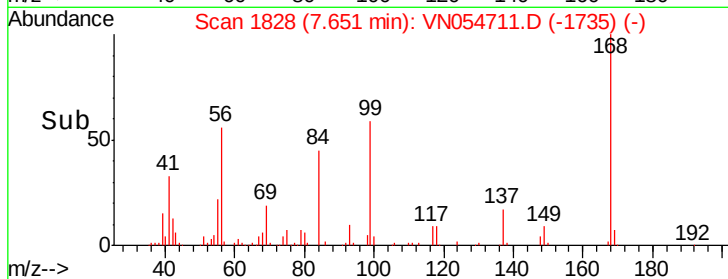
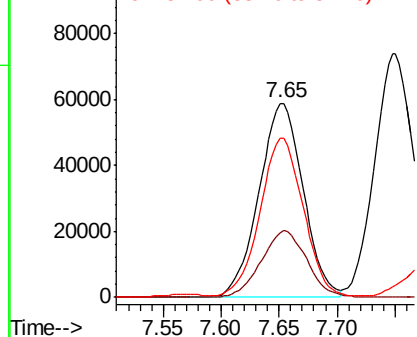
#31
Cyclohexane
Concen: 20.009 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN054711.D
Acq: 27 Mar 2019 10:27

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 156059
Ion Ratio Lower Upper
56 100
69 33.3 27.8 41.6
84 80.6 74.6 111.8

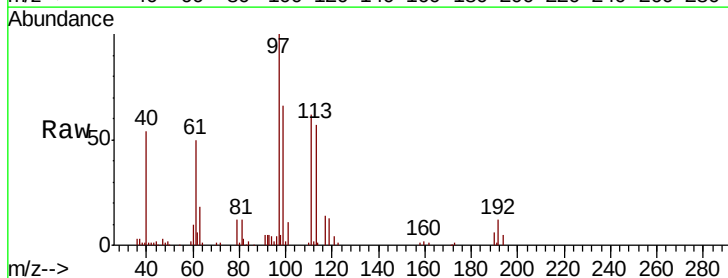


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

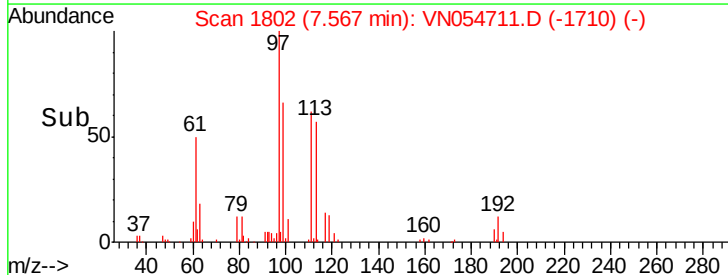
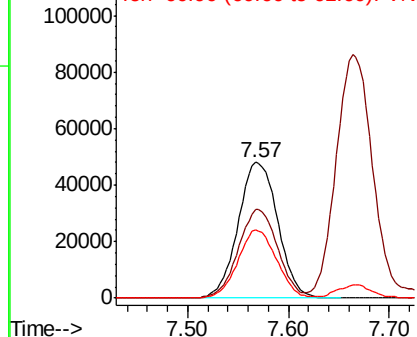


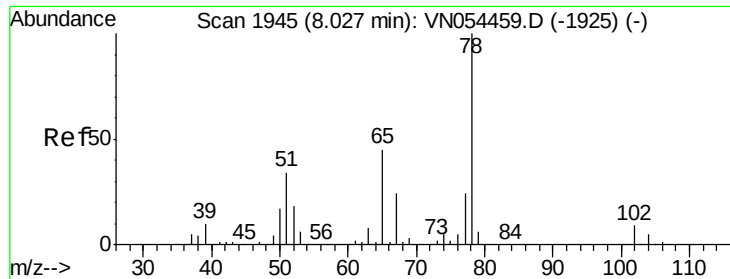
#32
1,1,1-Trichloroethane
Concen: 21.090 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. -0.00 min
Lab File: VN054711.D
Acq: 27 Mar 2019 10:27

Tgt Ion: 97 Resp: 130926
Ion Ratio Lower Upper
97 100
99 64.8 51.5 77.3
61 49.2 33.6 50.4



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

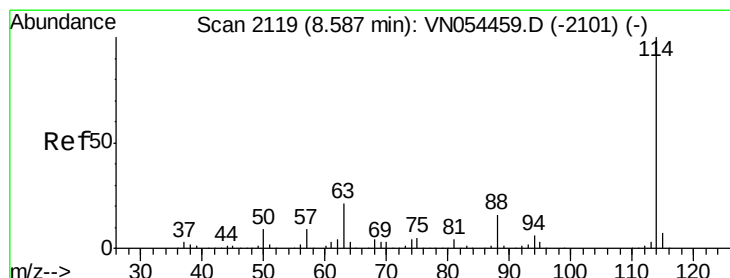
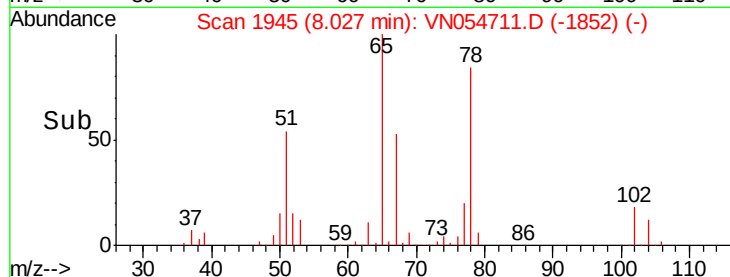
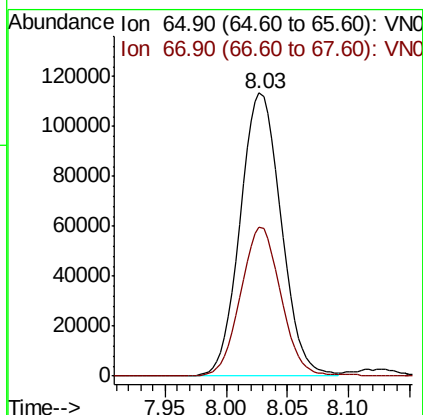
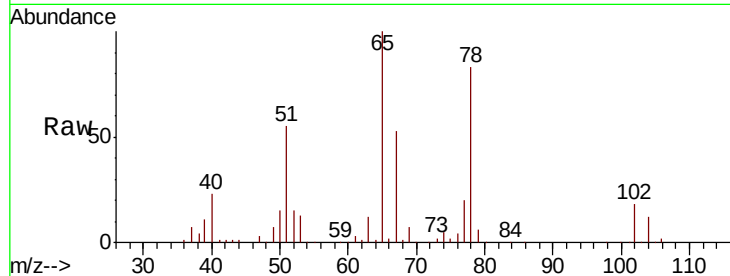




#33
 1,2-Dichloroethane-d4
 Concen: 53.012 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN054711.D
 Acq: 27 Mar 2019 10:27

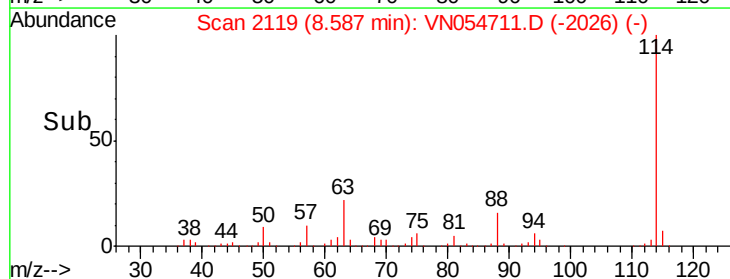
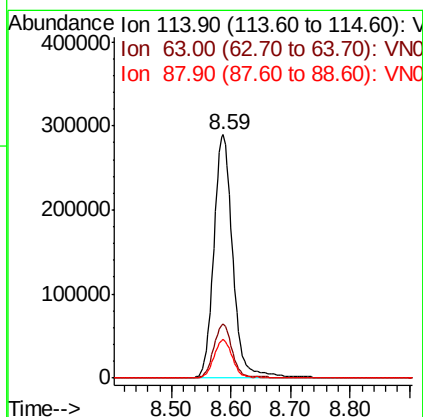
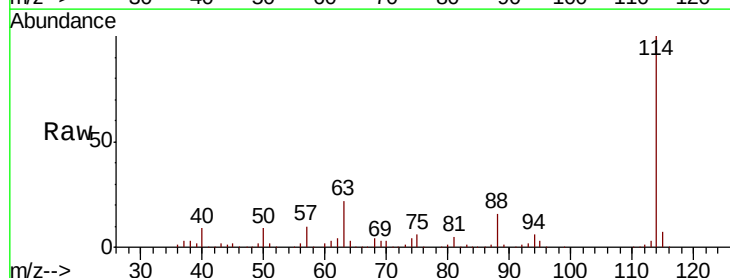
Instrument :
 MSVOA_N
 ClientSampled :

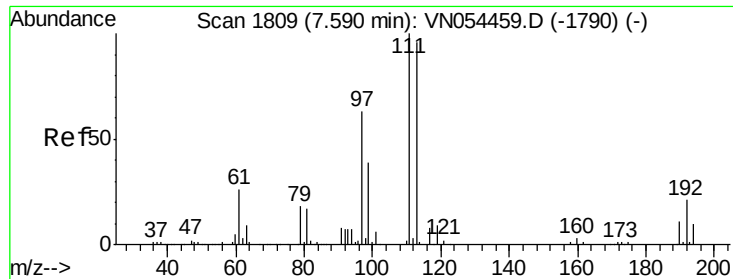
Tot Ion: 65 Resp: 263564
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054711.D
 Acq: 27 Mar 2019 10:27

Tgt Ion: 114 Resp: 641543
 Ion Ratio Lower Upper
 114 100
 63 22.0 0.0 35.2
 88 15.7 0.0 30.2

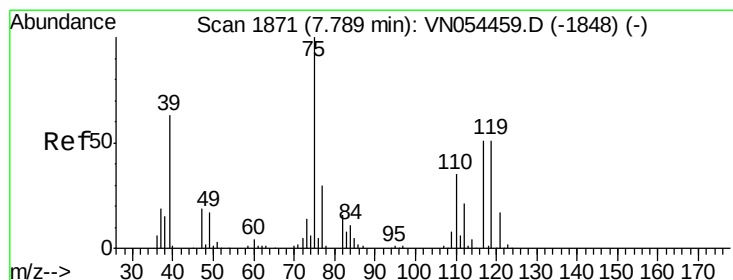
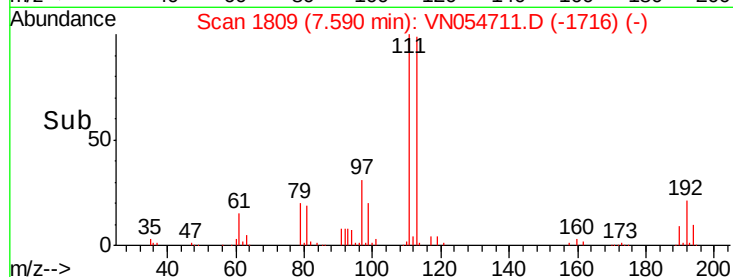
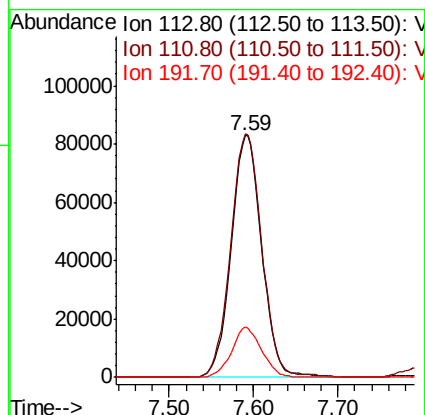
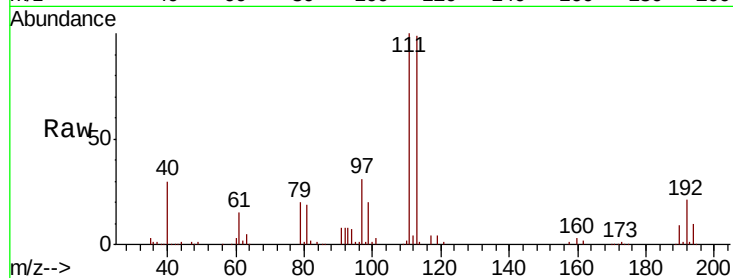




#35
 Dibromofluoromethane
 Concen: 50.482 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN054711.D
 Acq: 27 Mar 2019 10:27

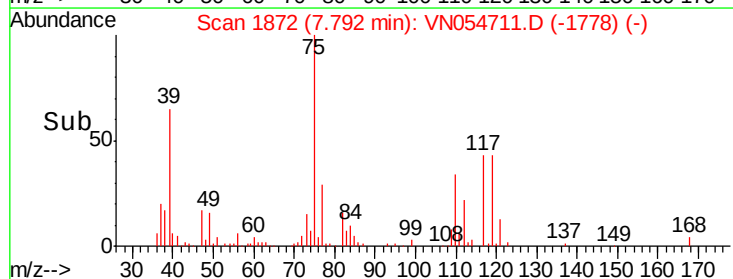
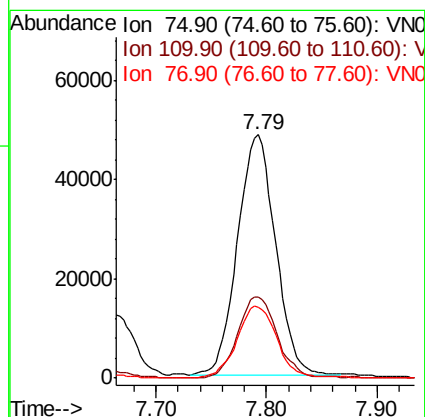
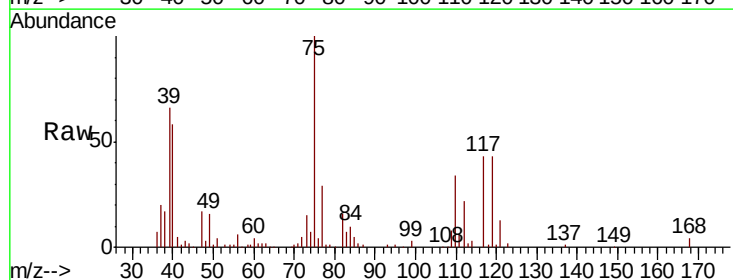
Instrument :
 MSVOA_N
 ClientSampled :

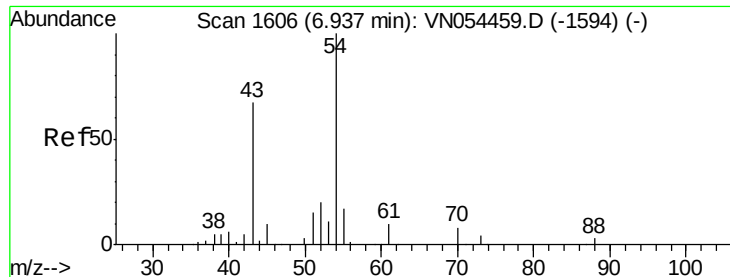
Tot Ion:113 Resp: 208647
 Ion Ratio Lower Upper
 113 100
 111 102.8 82.2 123.4
 192 20.4 19.2 28.8



#36
 1,1-Dichloropropene
 Concen: 19.254 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN054711.D
 Acq: 27 Mar 2019 10:27

Tgt Ion: 75 Resp: 115496
 Ion Ratio Lower Upper
 75 100
 110 35.1 19.1 57.5
 77 31.5 25.0 37.4

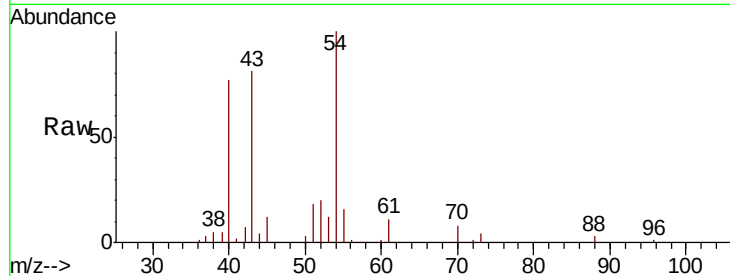




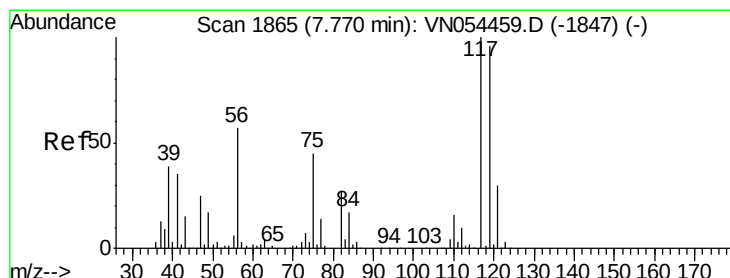
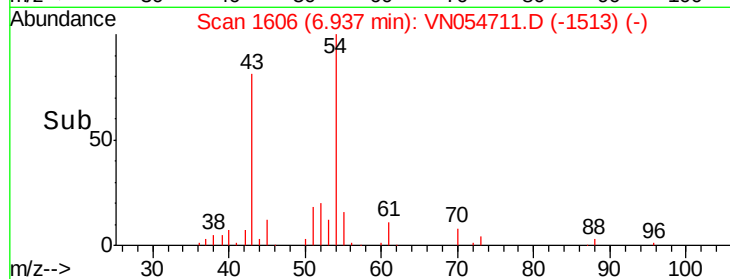
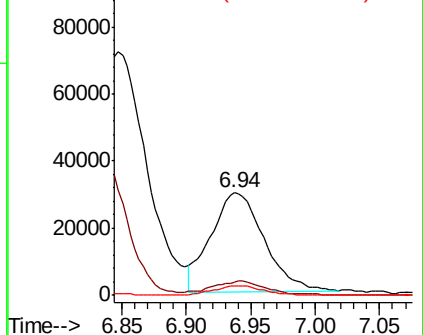
#37
Ethyl Acetate
Concen: 19.934 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. 0.00 min
Lab File: VN054711.D
Acq: 27 Mar 2019 10:27

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 85045
Ion Ratio Lower Upper
43 100
61 15.2 11.8 17.6
70 9.1 8.4 12.6

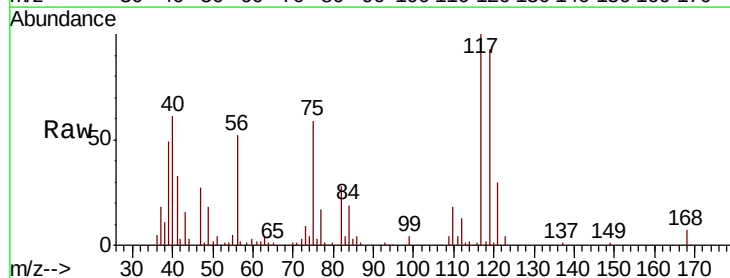


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

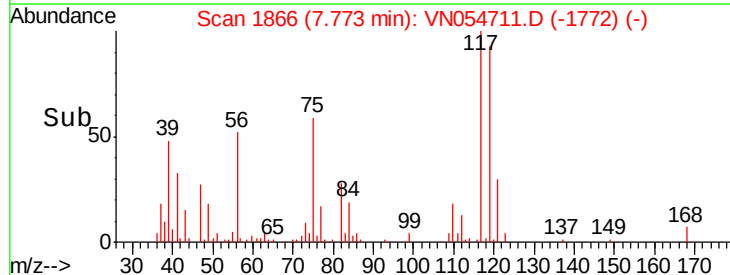
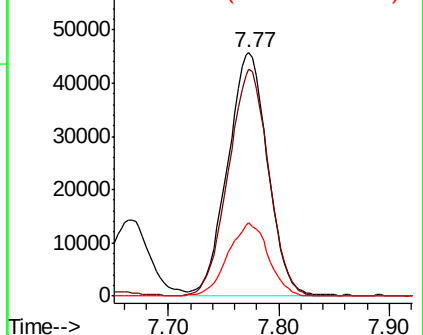


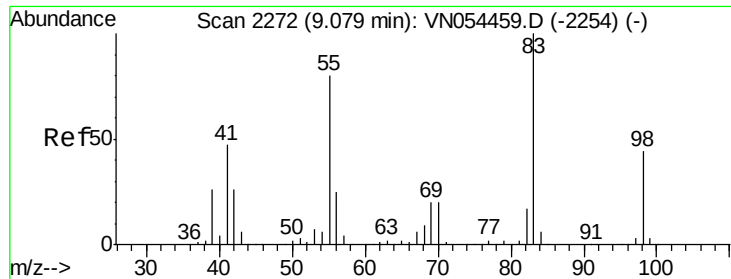
#38
Carbon Tetrachloride
Concen: 19.542 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN054711.D
Acq: 27 Mar 2019 10:27

Tgt Ion: 117 Resp: 113913
Ion Ratio Lower Upper
117 100
119 93.6 76.3 114.5
121 30.1 24.6 36.8



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

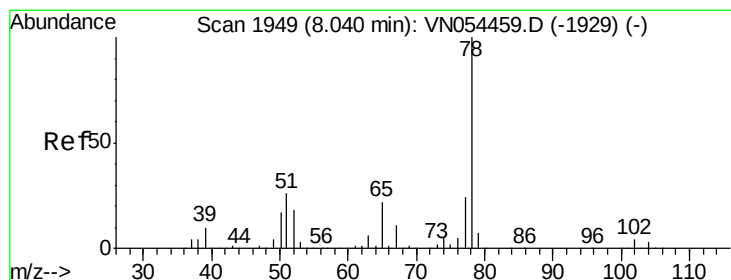
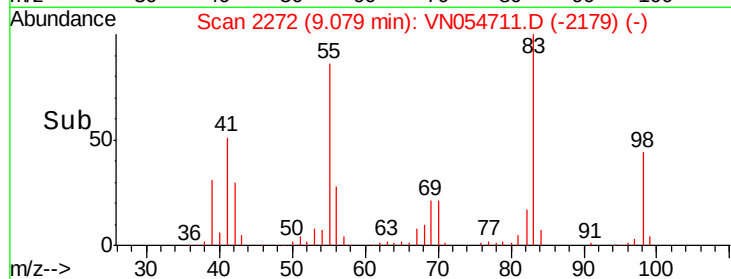
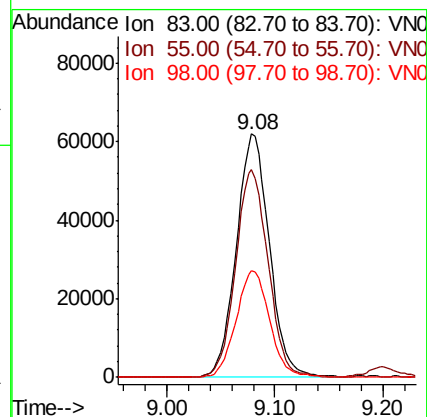
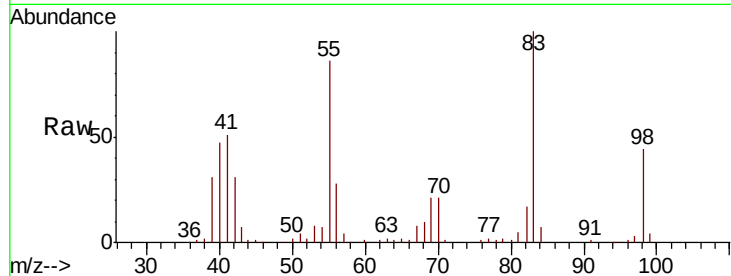




#39
Methylvlcyclohexane
Concen: 19.313 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN054711.D
Acq: 27 Mar 2019 10:27

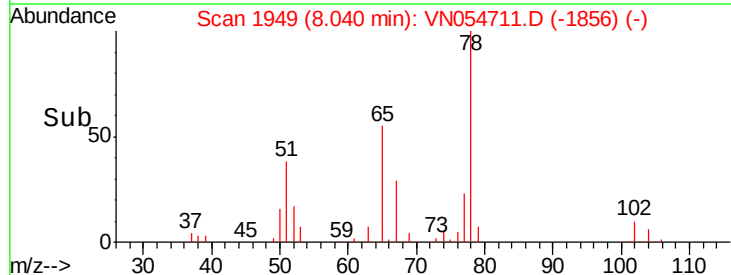
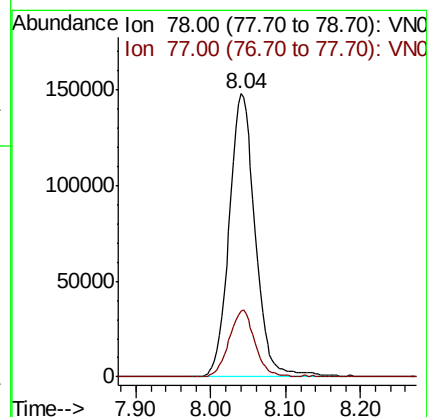
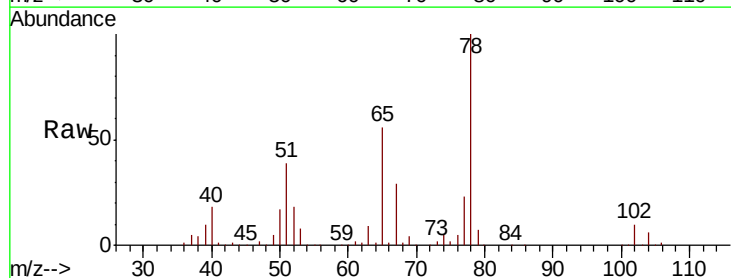
Instrument :
MSVOA_N
ClientSampleId :

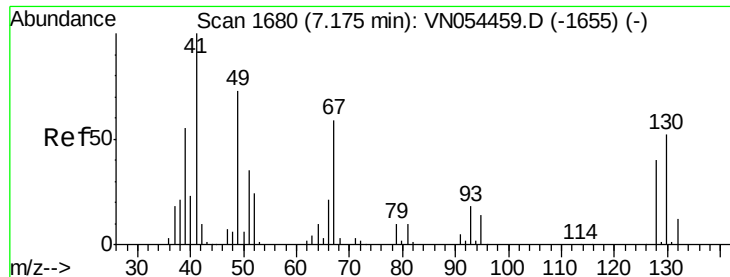
Tot Ion: 83 Resp: 132516
Ion Ratio Lower Upper
83 100
55 85.6 56.6 84.8#
98 44.0 38.4 57.6



#40
Benzene
Concen: 20.771 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN054711.D
Acq: 27 Mar 2019 10:27

Tgt Ion: 78 Resp: 356278
Ion Ratio Lower Upper
78 100
77 23.4 19.1 28.7

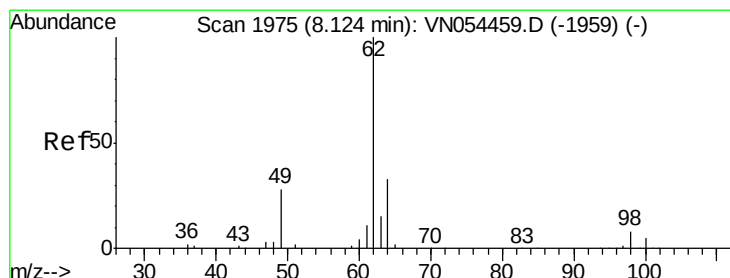
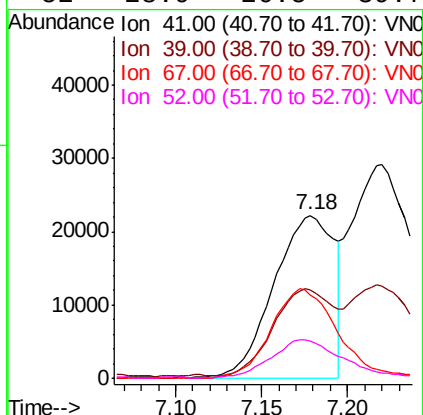
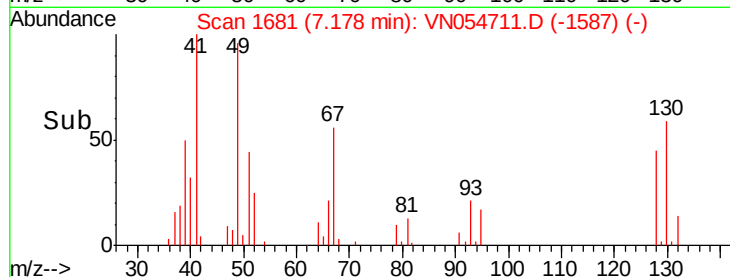
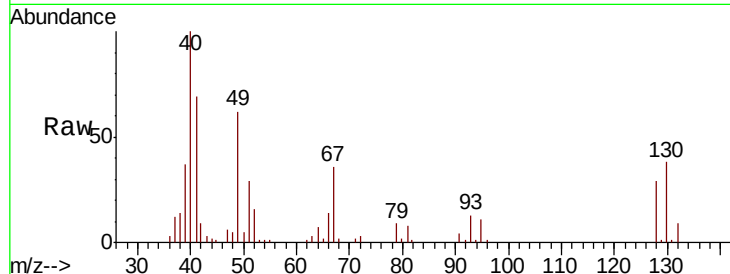




#41
Methacrylonitrile
Concen: 20.734 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN054711.D
Acq: 27 Mar 2019 10:27

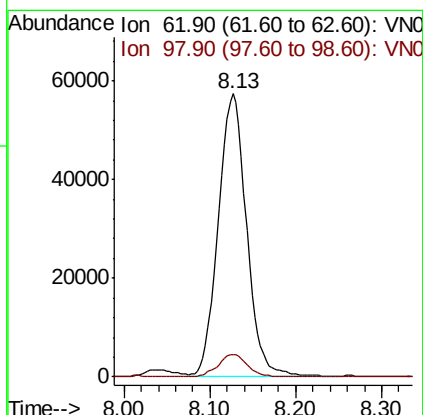
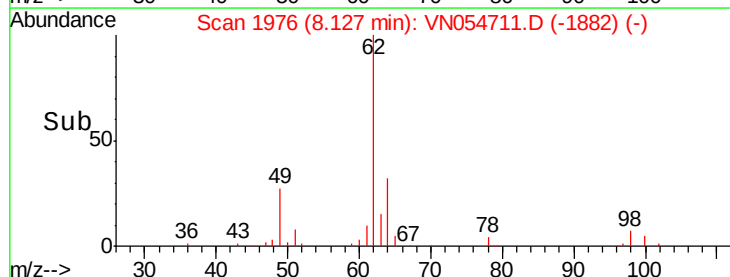
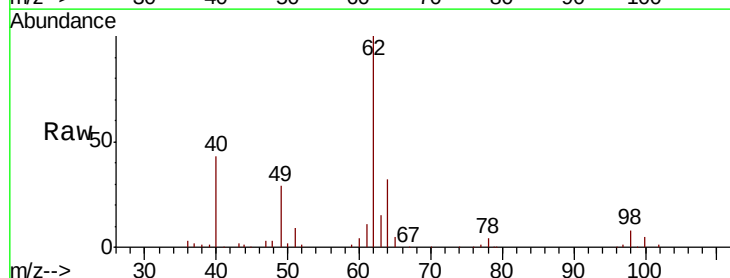
Instrument :
MSVOA_N
ClientSampled :

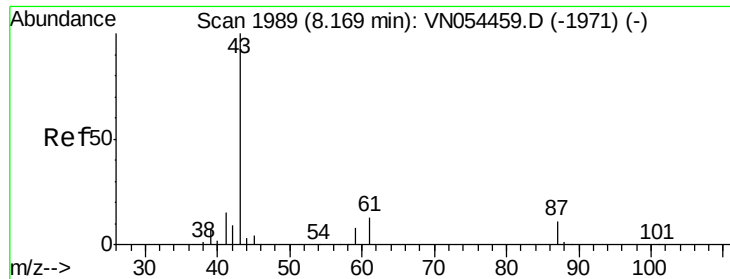
Tot Ion: 41 Resp: 53946
Ion Ratio Lower Upper
41 100
39 51.5 46.8 70.2
67 61.0 67.0 100.4#
52 28.9 26.5 39.7



#42
1,2-Dichloroethane
Concen: 21.162 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN054711.D
Acq: 27 Mar 2019 10:27

Tgt Ion: 62 Resp: 132194
Ion Ratio Lower Upper
62 100
98 8.0 0.0 18.4





#43

Isopropyl Acetate

Concen: 20.232 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN054711.D

Acq: 27 Mar 2019 10:27

Instrument :

MSVOA_N

ClientSampleId :

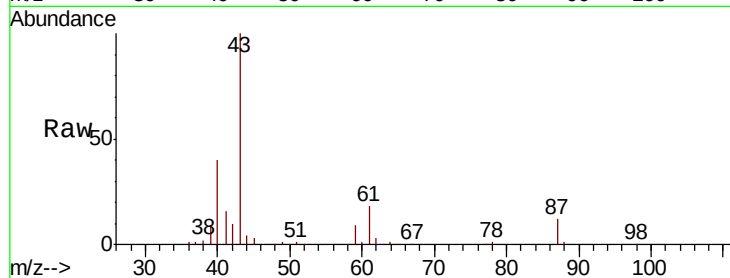
Tot Ion: 43 Resp: 145779

Ion Ratio Lower Upper

43 100

61 18.2 15.8 23.8

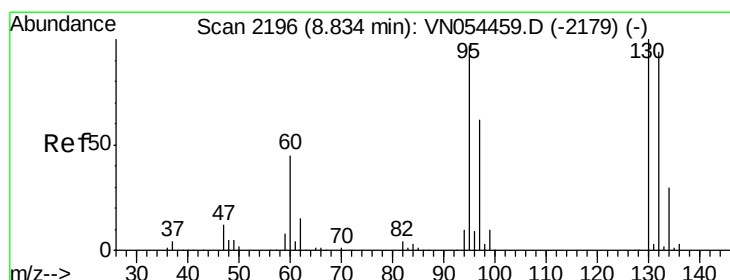
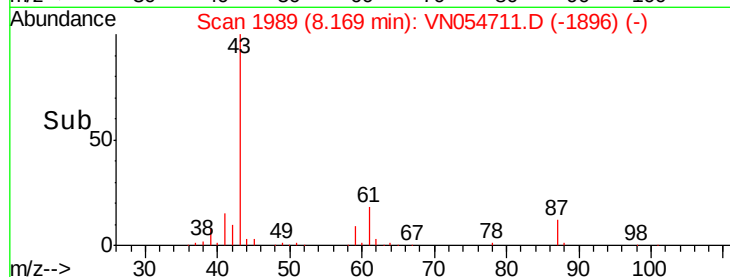
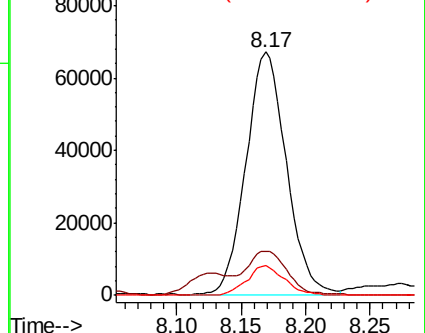
87 11.5 12.0 18.0#



Abundance Ion 43.00 (42.70 to 43.70): VN054711.D (-1971) (-)

Ion 61.00 (60.70 to 61.70): VN054711.D (-1971) (-)

Ion 87.00 (86.70 to 87.70): VN054711.D (-1971) (-)



#44

Trichloroethene

Concen: 18.995 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN054711.D

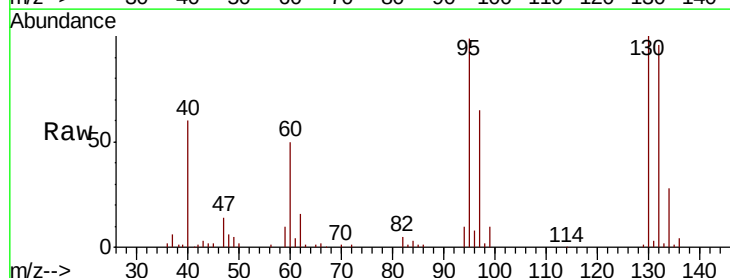
Acq: 27 Mar 2019 10:27

Tgt Ion:130 Resp: 90585

Ion Ratio Lower Upper

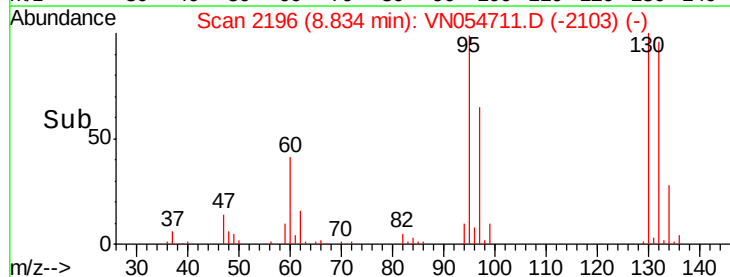
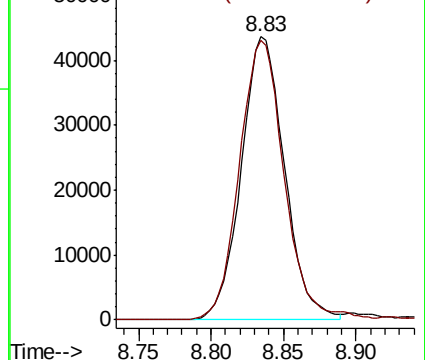
130 100

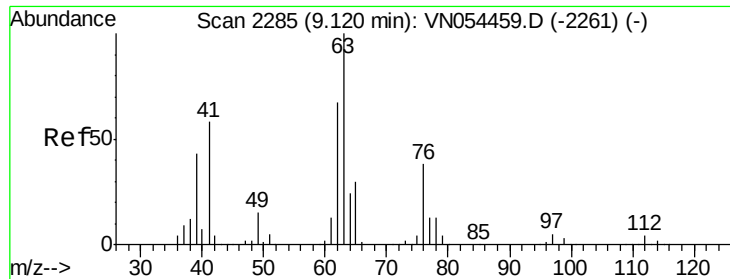
95 98.7 0.0 185.2



Abundance Ion 129.80 (129.50 to 130.50): VN054711.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN054711.D (-2179) (-)

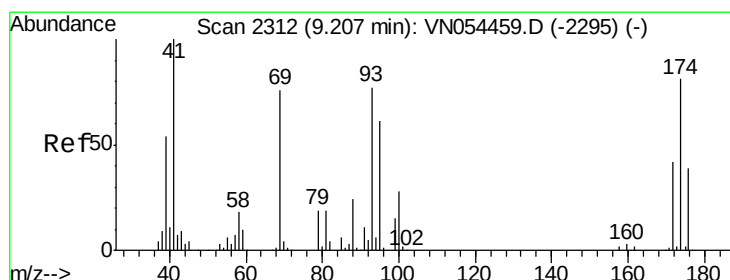
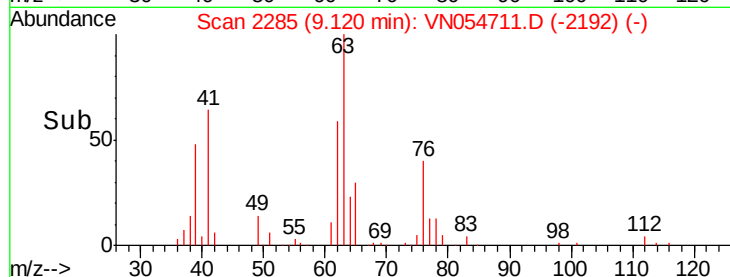
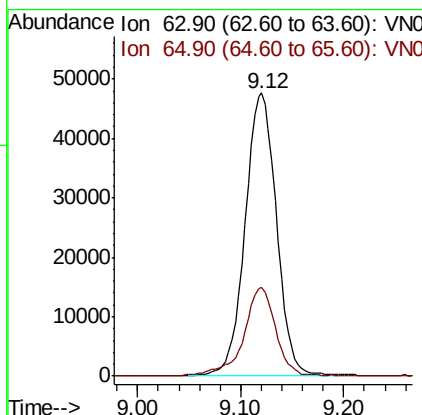
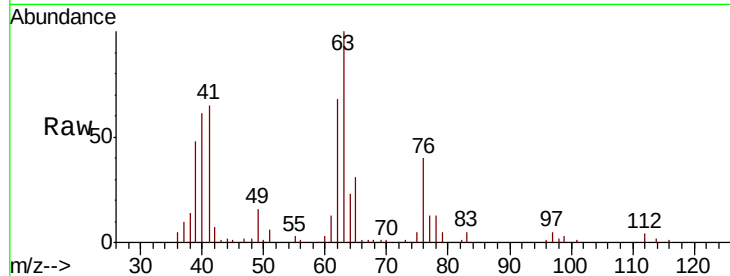




#45
 1,2-Dichloropropane
 Concen: 21.896 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN054711.D
 Acq: 27 Mar 2019 10:27

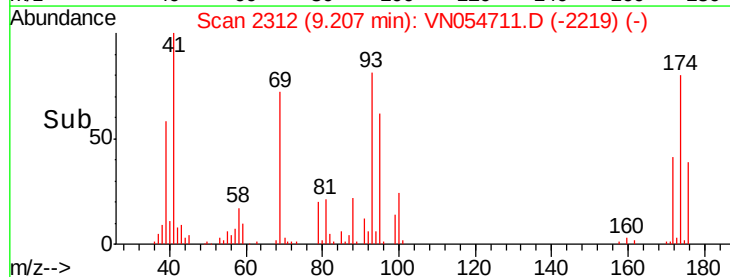
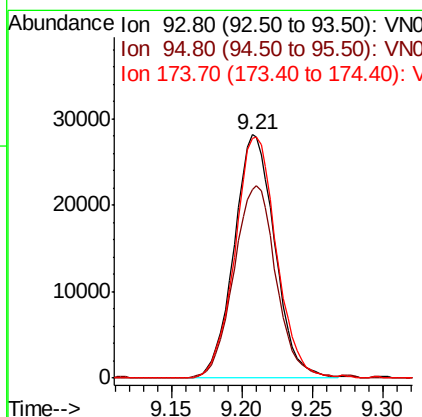
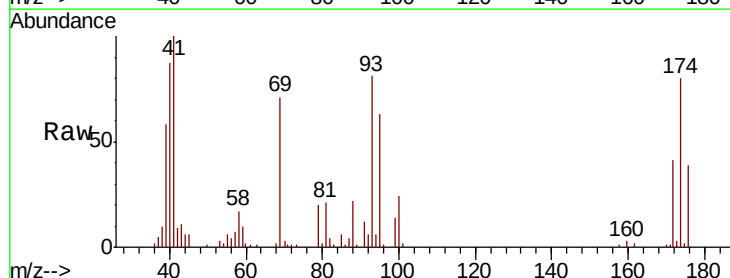
Instrument :
 MSVOA_N
 ClientSampled :

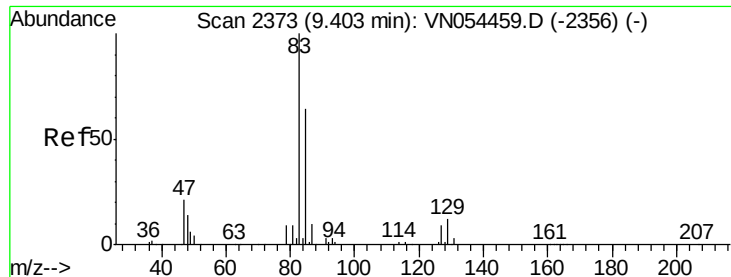
Tot Ion: 63 Resp: 100850
 Ion Ratio Lower Upper
 63 100
 65 31.4 25.0 37.6



#46
 Dibromomethane
 Concen: 20.751 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN054711.D
 Acq: 27 Mar 2019 10:27

Tgt Ion: 93 Resp: 57020
 Ion Ratio Lower Upper
 93 100
 95 81.6 66.7 100.1
 174 101.0 98.5 147.7





#47

Bromodichloromethane

Concen: 21.132 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN054711.D

Acq: 27 Mar 2019 10:27

Instrument :

MSVOA_N

ClientSampleId :

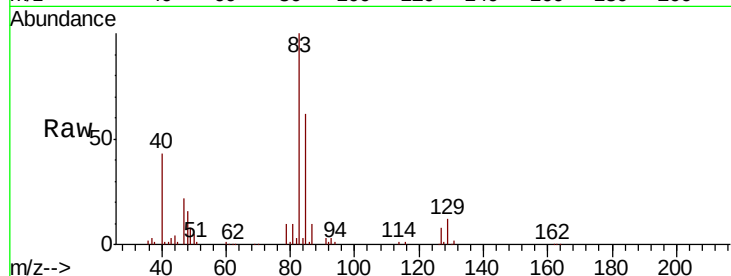
Tot Ion: 83 Resp: 120506

Ion Ratio Lower Upper

83 100

85 62.4 52.8 79.2

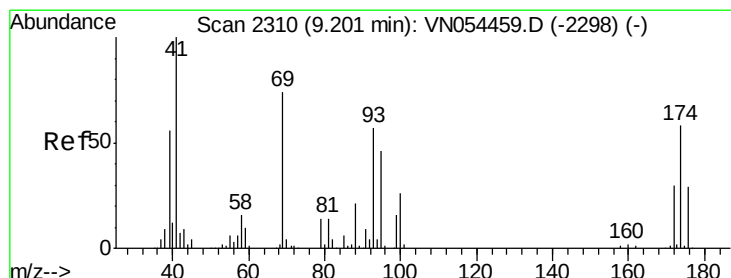
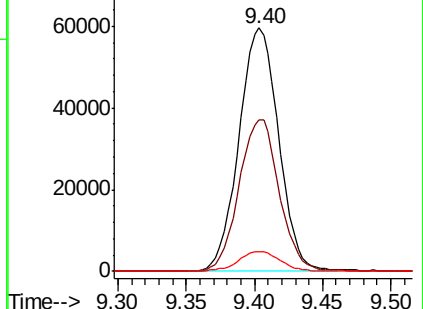
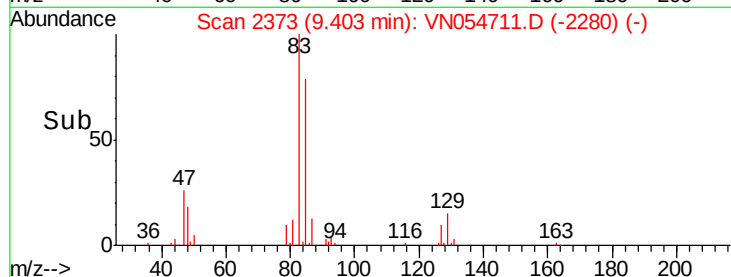
127 8.0 7.4 11.2



Abundance Ion 82.90 (82.60 to 83.60): VN054711.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN054711.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN054711.D (-2280) (-)



#48

Methyl methacrylate

Concen: 19.285 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN054711.D

Acq: 27 Mar 2019 10:27

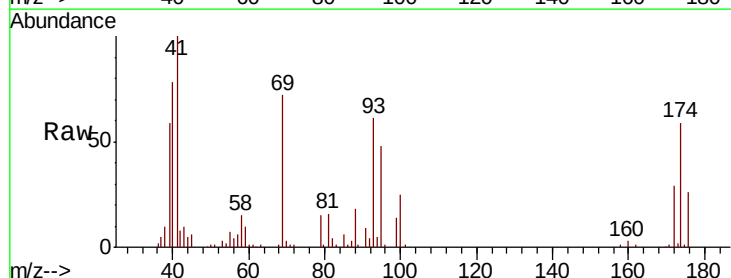
Tgt Ion: 41 Resp: 75419

Ion Ratio Lower Upper

41 100

69 70.9 72.6 108.8#

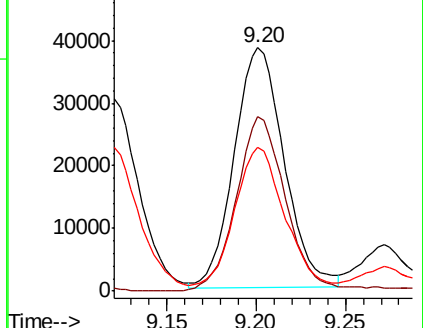
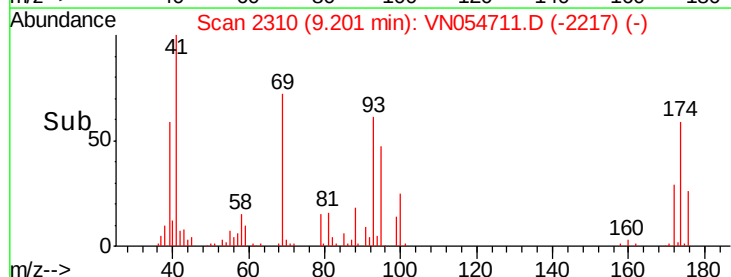
39 57.6 47.5 71.3

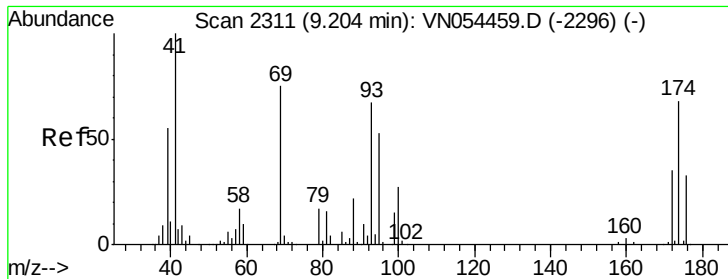


Abundance Ion 41.00 (40.70 to 41.70): VN054711.D (-2217) (-)

Ion 69.00 (68.70 to 69.70): VN054711.D (-2217) (-)

Ion 39.00 (38.70 to 39.70): VN054711.D (-2217) (-)





#49

1,4-Dioxane

Concen: 369.422 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN054711.D

Acq: 27 Mar 2019 10:27

Instrument :
MSVOA_N
ClientSampleId :

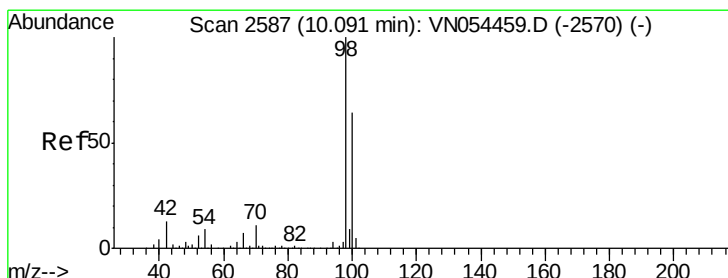
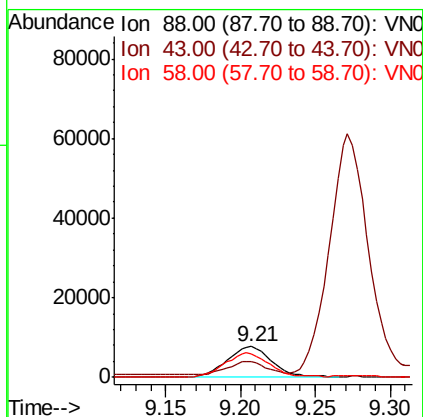
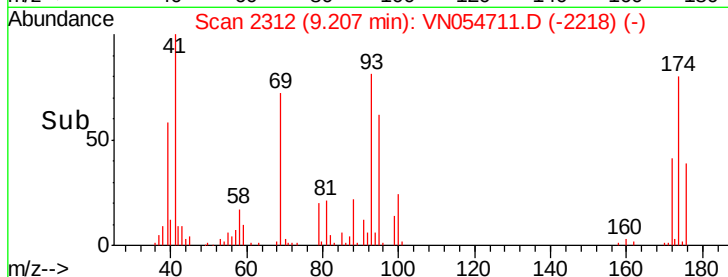
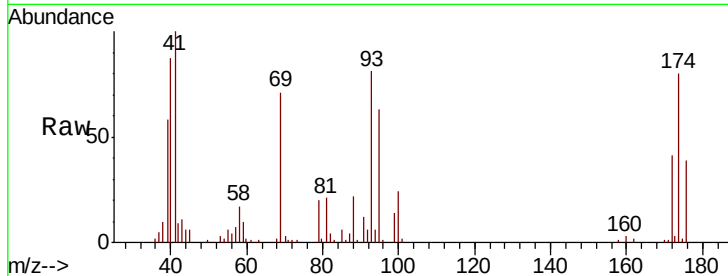
Tot Ion: 88 Resp: 16151

Ion Ratio Lower Upper

88 100

43 36.9 24.1 36.1#

58 79.2 50.8 76.2#



#50

Toluene-d8

Concen: 48.985 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054711.D

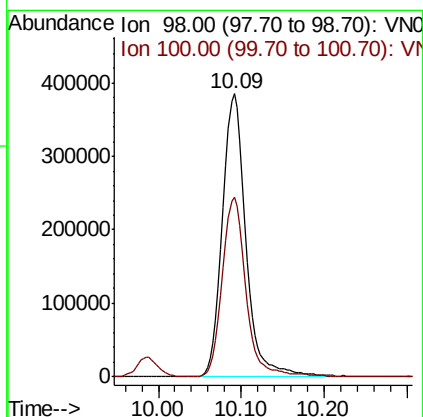
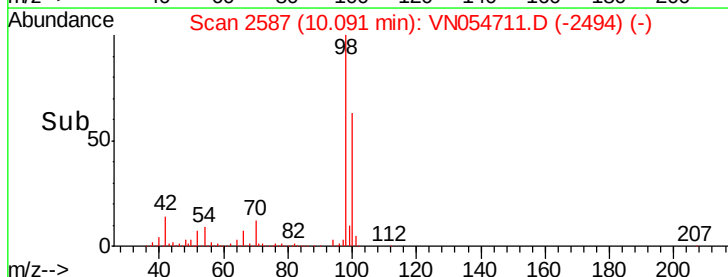
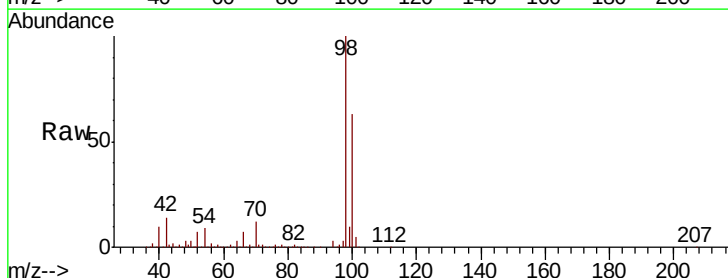
Acq: 27 Mar 2019 10:27

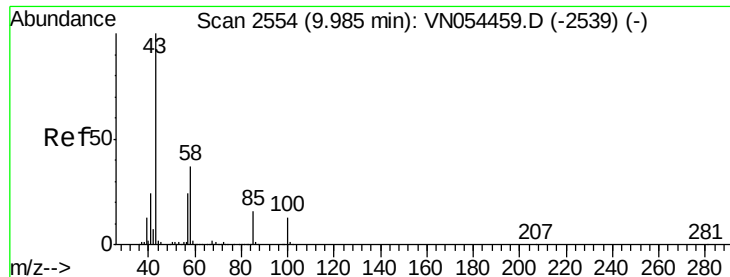
Tgt Ion: 98 Resp: 761133

Ion Ratio Lower Upper

98 100

100 63.6 51.2 76.8

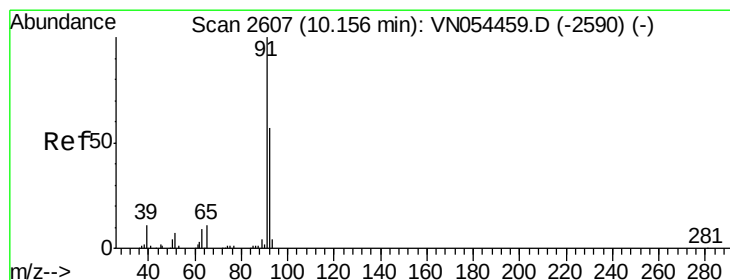
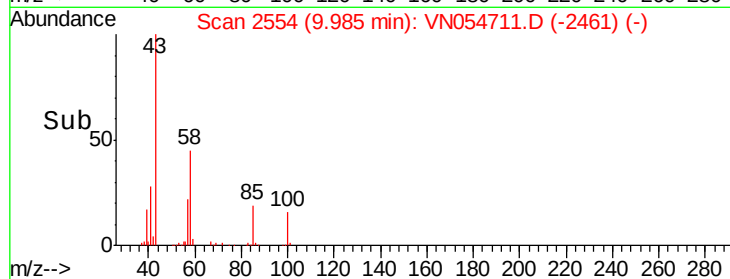
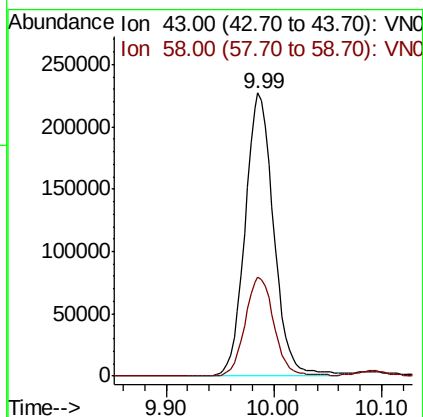
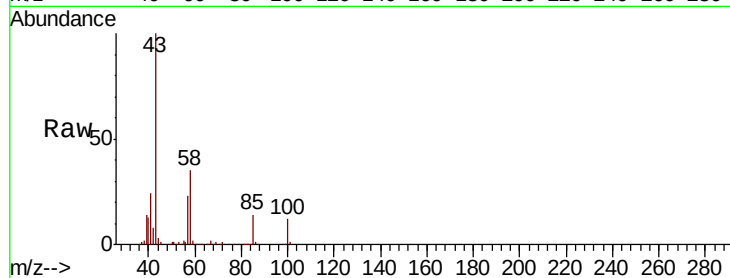




#51
4-Methyl-2-Pentanone
Concen: 104.036 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN054711.D
Acq: 27 Mar 2019 10:27

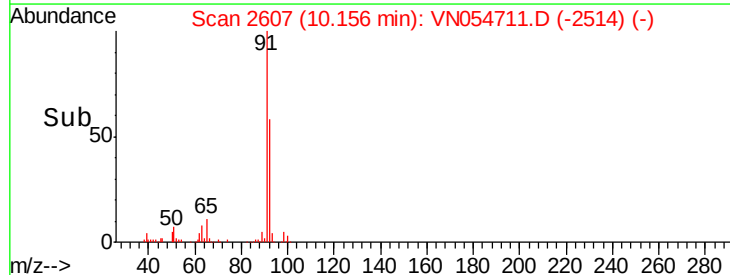
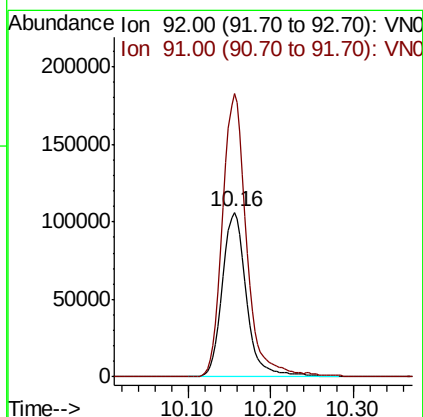
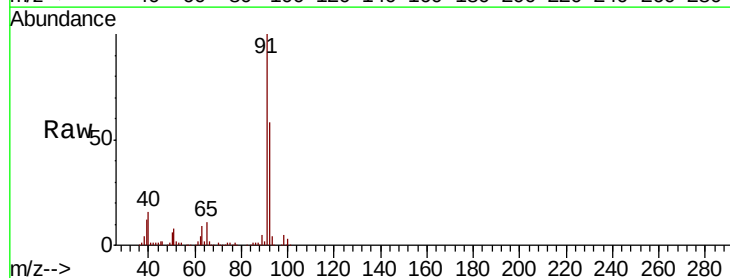
Instrument :
MSVOA_N
ClientSampled :

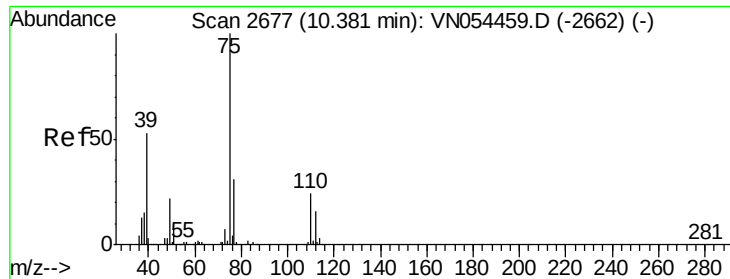
Tot Ion: 43 Resp: 415431
Ion Ratio Lower Upper
43 100
58 35.5 31.8 47.6



#52
Toluene
Concen: 20.341 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN054711.D
Acq: 27 Mar 2019 10:27

Tgt Ion: 92 Resp: 214595
Ion Ratio Lower Upper
92 100
91 170.0 140.7 211.1





#53

t-1,3-Dichloropropene

Concen: 18.830 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN054711.D

Acq: 27 Mar 2019 10:27

Instrument :

MSVOA_N

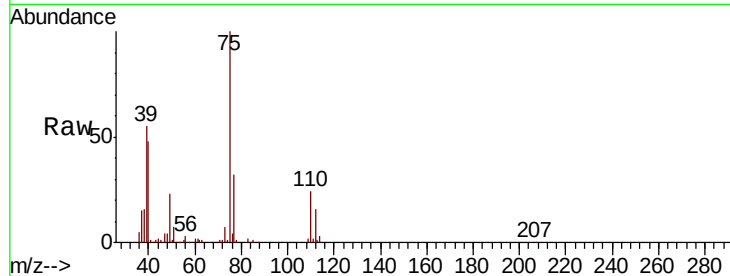
ClientSampleId :

Tot Ion: 75 Resp: 104513

Ion Ratio Lower Upper

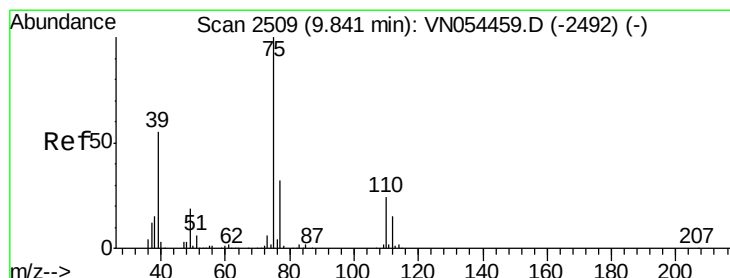
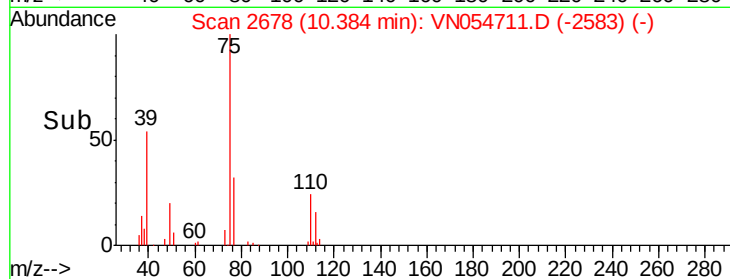
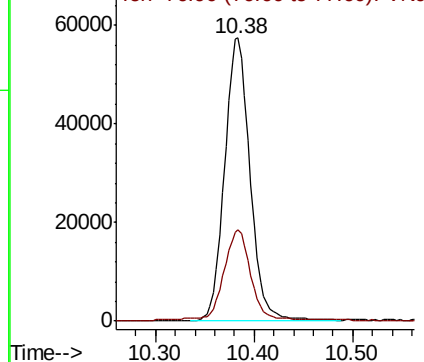
75 100

77 31.6 25.8 38.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 20.767 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN054711.D

Acq: 27 Mar 2019 10:27

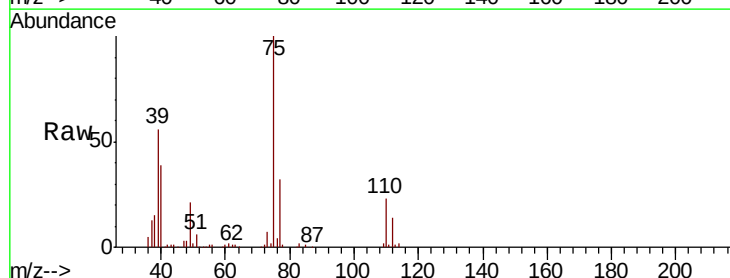
Tgt Ion: 75 Resp: 135786

Ion Ratio Lower Upper

75 100

77 32.3 25.4 38.0

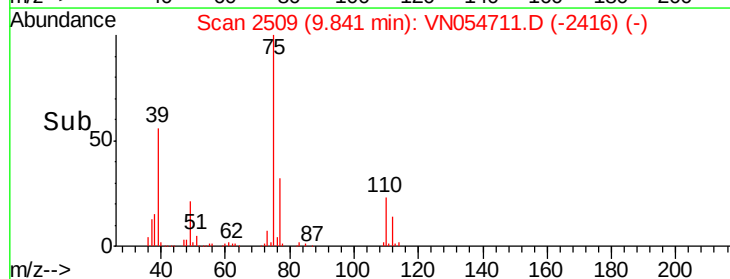
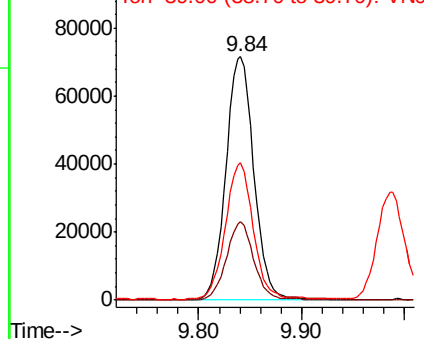
39 55.7 37.2 55.8

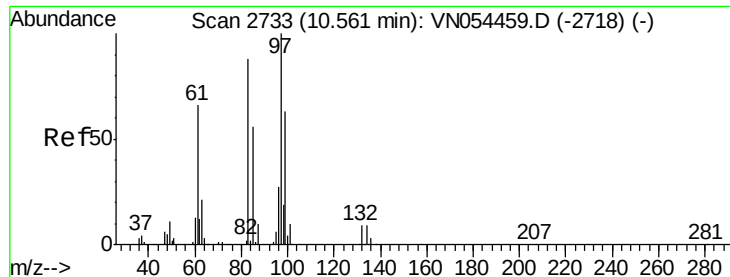


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 20.516 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN054711.D

Acq: 27 Mar 2019 10:27

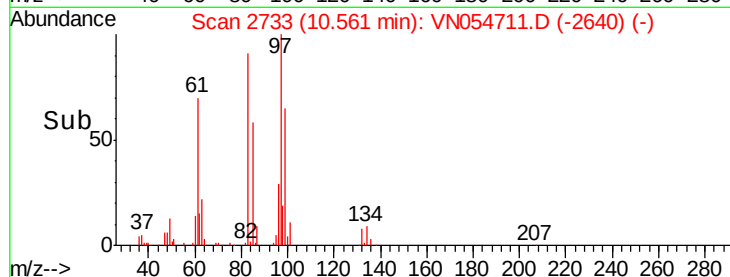
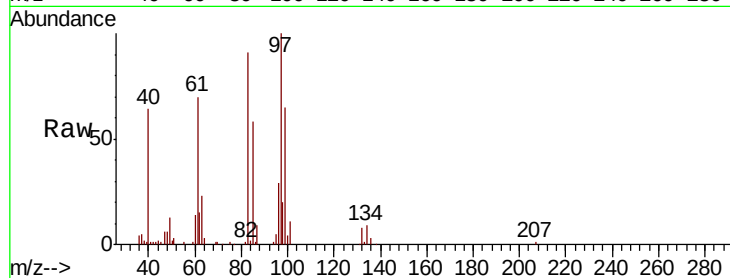
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 97 Resp: 77803

Ion	Ratio	Lower	Upper
97	100		
83	91.0	66.6	100.0
85	57.6	44.4	66.6
99	64.7	50.8	76.2

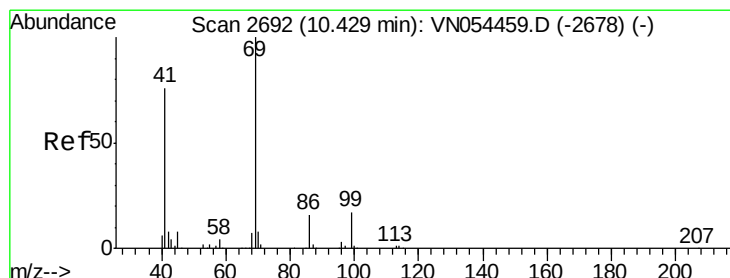
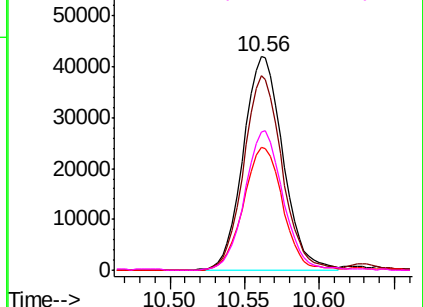


Abundance Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



#56

Ethyl methacrylate

Concen: 18.971 ug/l

RT: 10.43 min Scan# 2692

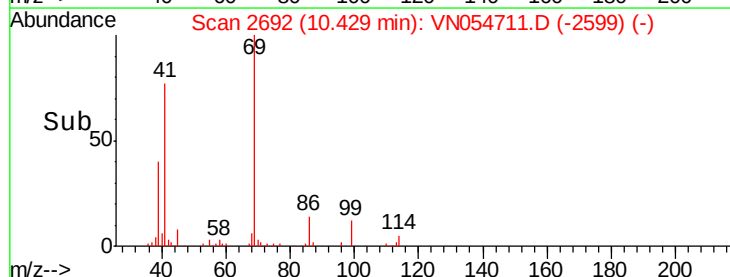
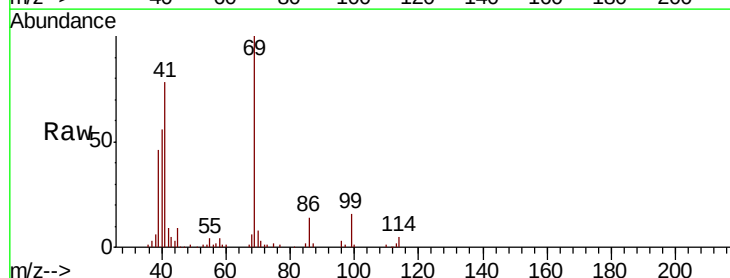
Delta R.T. -0.00 min

Lab File: VN054711.D

Acq: 27 Mar 2019 10:27

Tgt Ion: 69 Resp: 96564

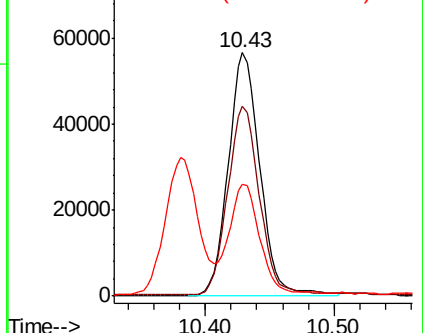
Ion	Ratio	Lower	Upper
69	100		
41	77.0	49.4	74.2#
39	42.7	28.3	42.5#

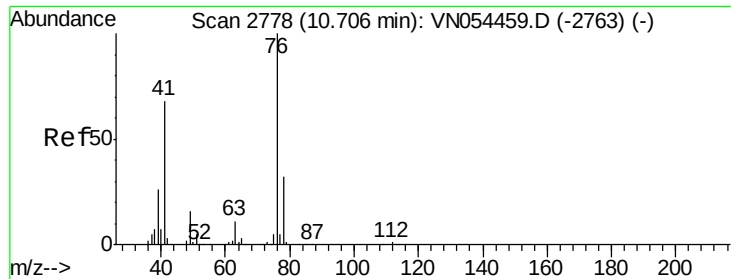


Abundance Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

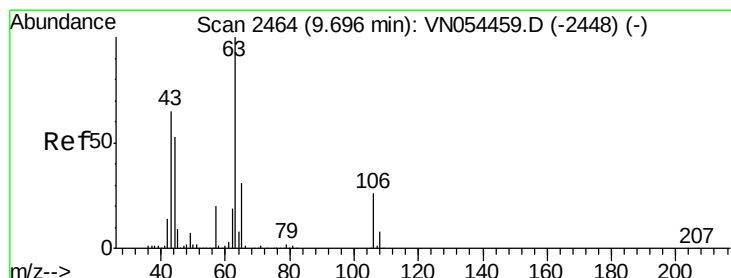
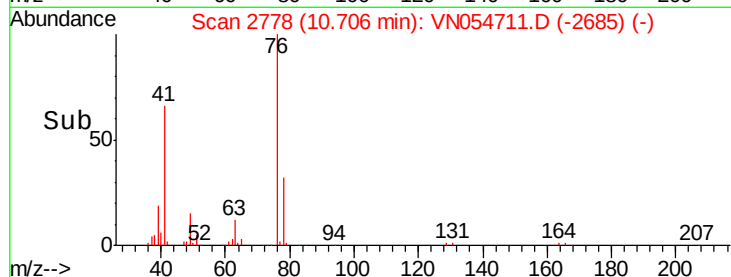
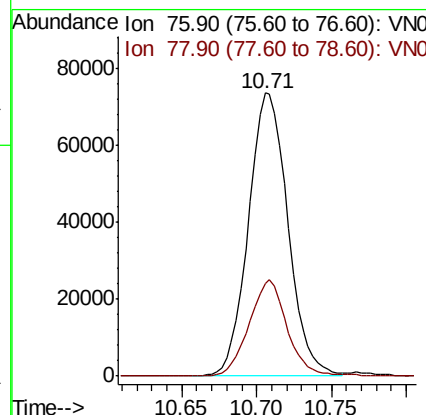
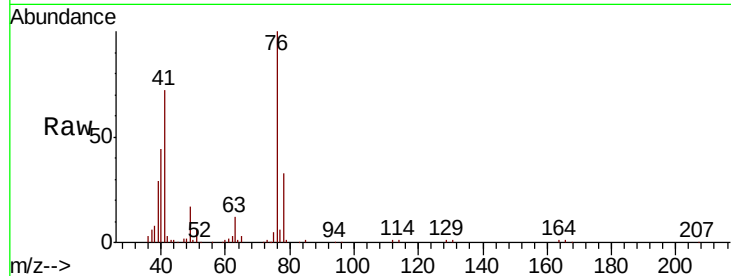




#57
 1,3-Dichloropropane
 Concen: 20.473 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. -0.00 min
 Lab File: VN054711.D
 Acq: 27 Mar 2019 10:27

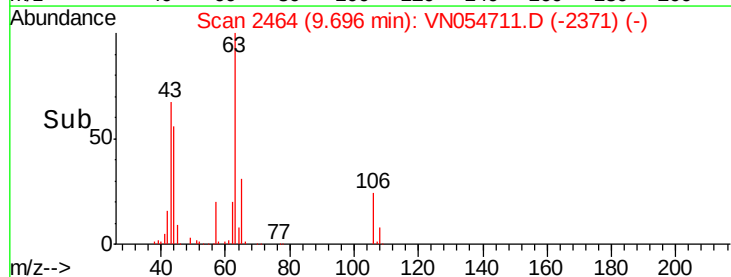
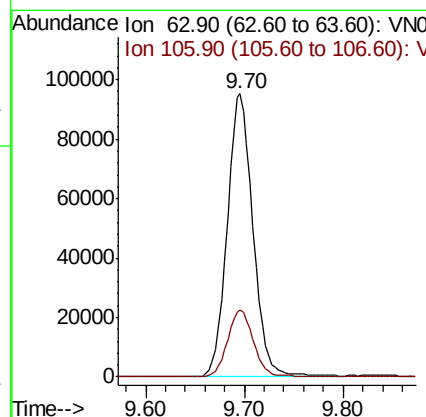
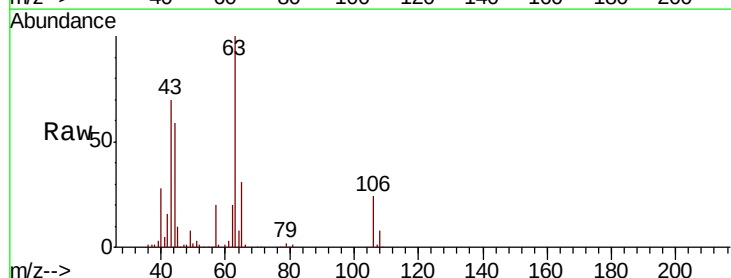
Instrument :
 MSVOA_N
 ClientSampled :

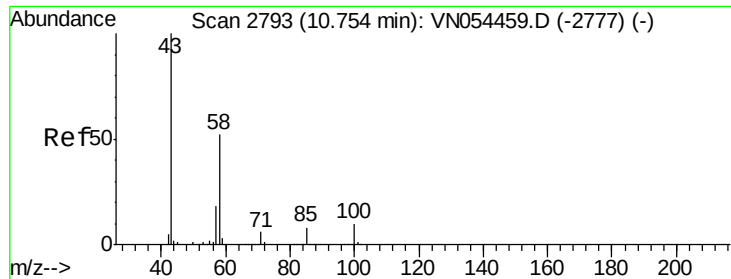
Tot Ion: 76 Resp: 134959
 Ion Ratio Lower Upper
 76 100
 78 32.8 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 83.161 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN054711.D
 Acq: 27 Mar 2019 10:27

Tgt Ion: 63 Resp: 174303
 Ion Ratio Lower Upper
 63 100
 106 23.7 24.4 36.6#

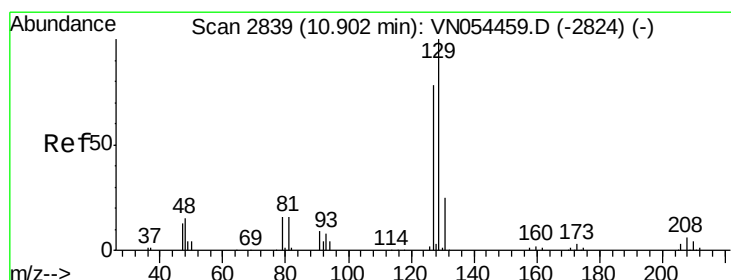
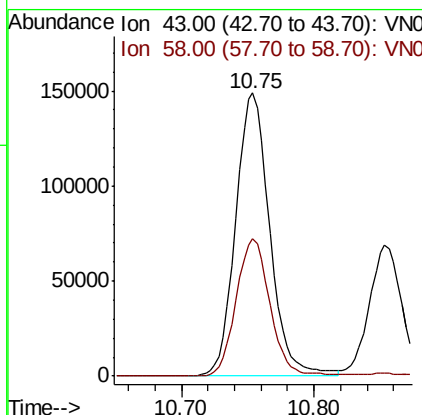
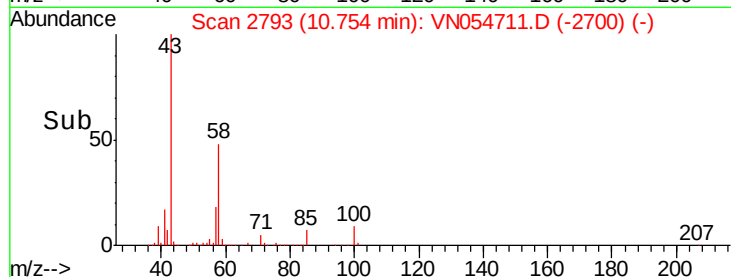
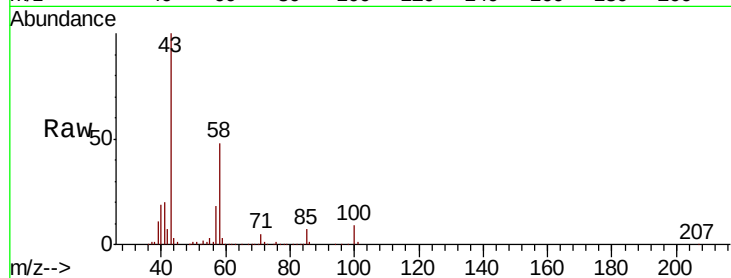




#59
2-Hexanone
Concen: 100.935 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN054711.D
Acq: 27 Mar 2019 10:27

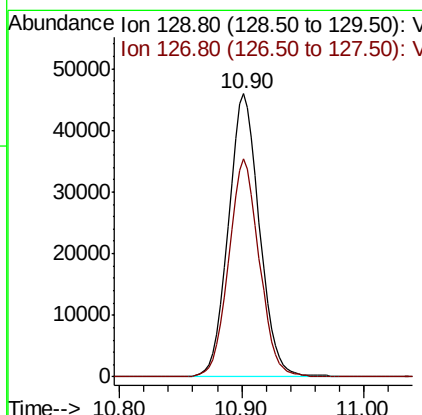
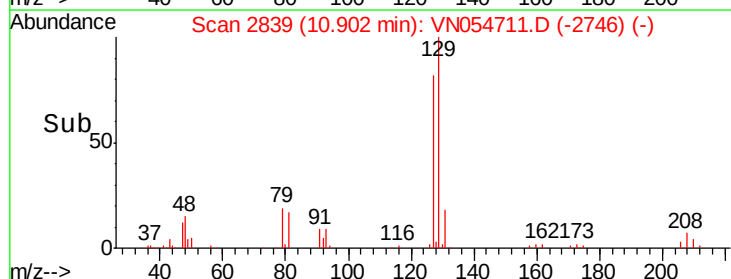
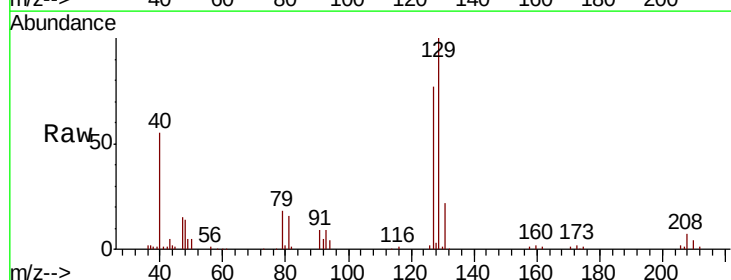
Instrument :
MSVOA_N
ClientSampleId :

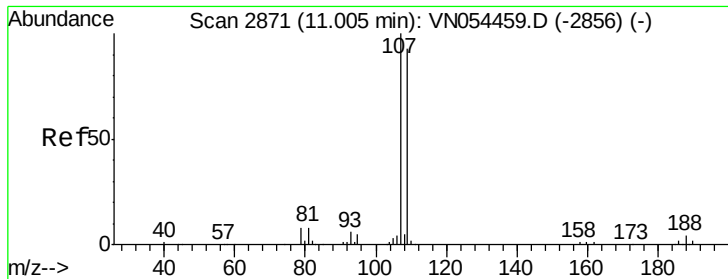
Tot Ion: 43 Resp: 263267
Ion Ratio Lower Upper
43 100
58 48.9 28.0 83.9



#60
Dibromochloromethane
Concen: 20.165 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN054711.D
Acq: 27 Mar 2019 10:27

Tgt Ion: 129 Resp: 81371
Ion Ratio Lower Upper
129 100
127 75.9 38.6 115.8





#61

1,2-Dibromoethane

Concen: 19.431 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN054711.D

Acq: 27 Mar 2019 10:27

Instrument :

MSVOA_N

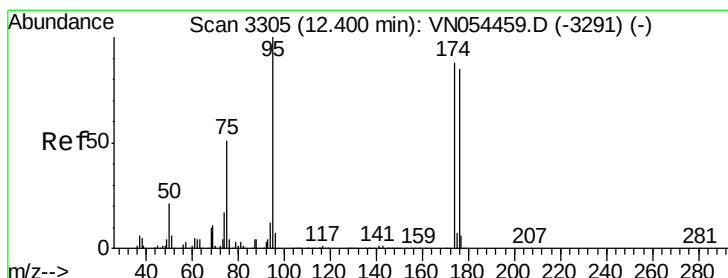
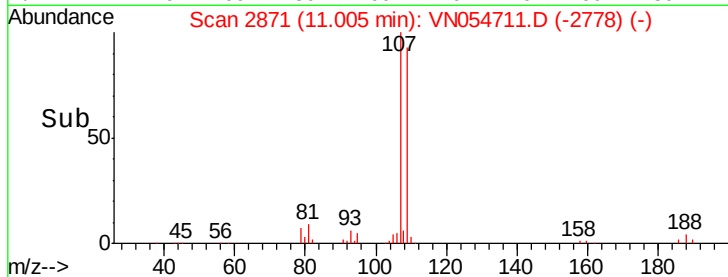
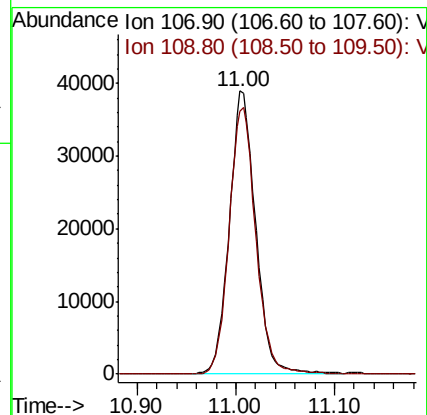
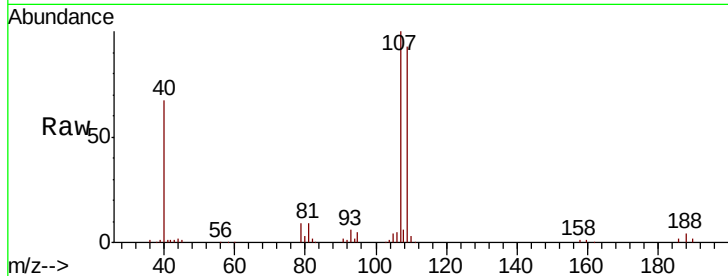
ClientSampleId :

Tot Ion:107 Resp: 72850

Ion Ratio Lower Upper

107 100

109 95.5 75.9 113.9



#62

4-Bromofluorobenzene

Concen: 48.429 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN054711.D

Acq: 27 Mar 2019 10:27

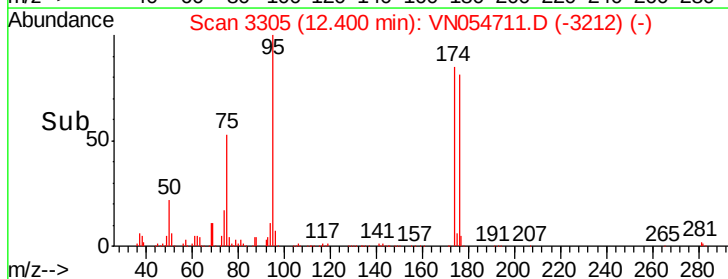
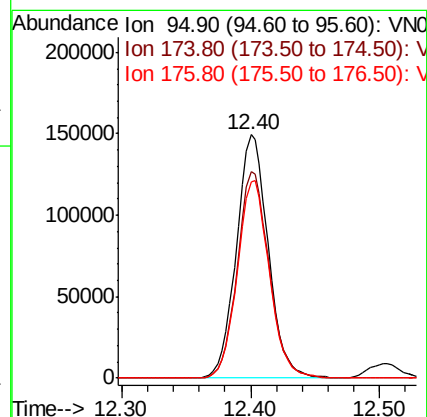
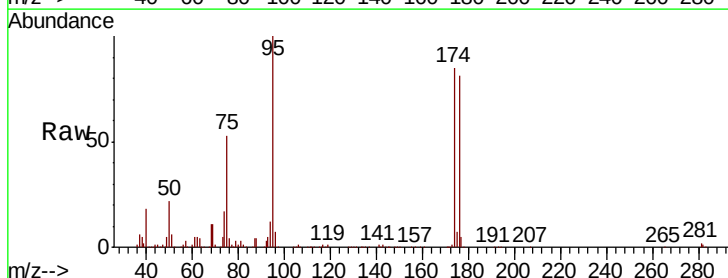
Tgt Ion: 95 Resp: 256062

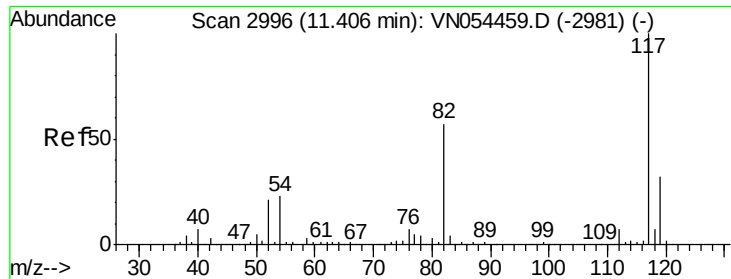
Ion Ratio Lower Upper

95 100

174 85.1 0.0 191.0

176 81.7 0.0 187.4

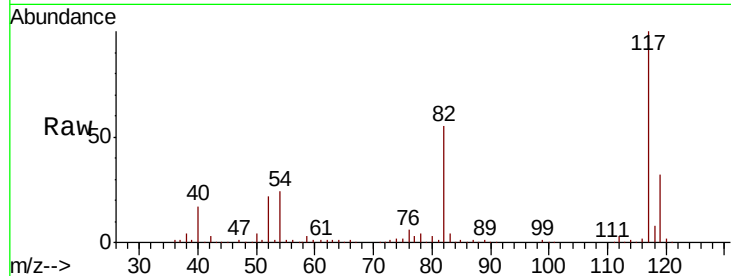




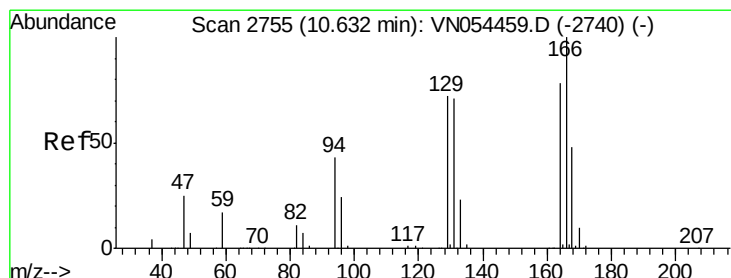
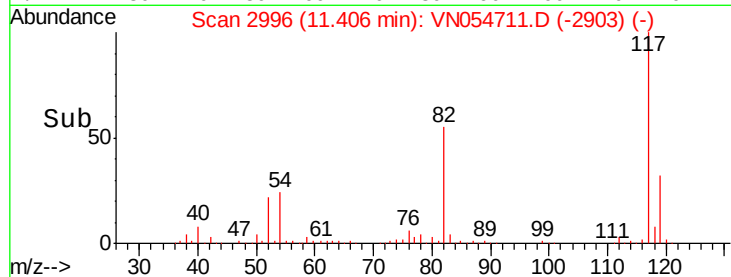
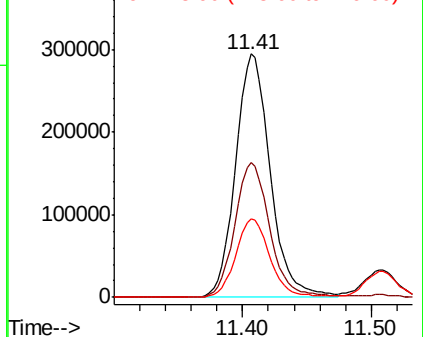
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054711.D
Acq: 27 Mar 2019 10:27

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 551787
Ion Ratio Lower Upper
117 100
82 55.2 40.0 60.0
119 32.3 25.8 38.6

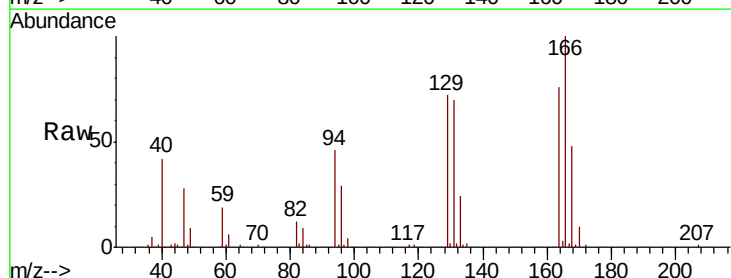


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

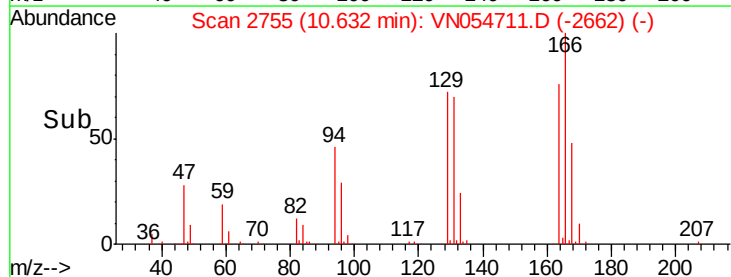
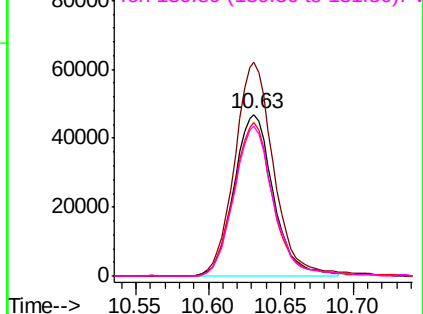


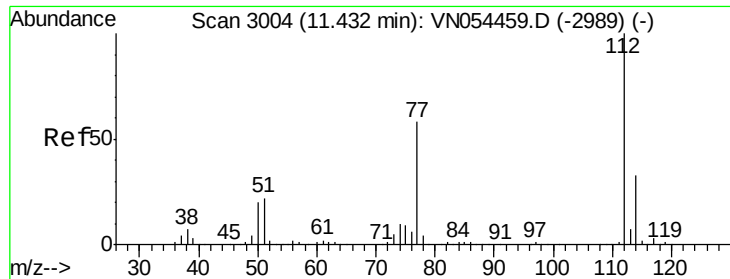
#64
Tetrachloroethene
Concen: 19.406 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN054711.D
Acq: 27 Mar 2019 10:27

Tgt Ion:164 Resp: 88818
Ion Ratio Lower Upper
164 100
166 131.9 103.9 155.9
129 94.7 71.1 106.7
131 92.4 68.2 102.4



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

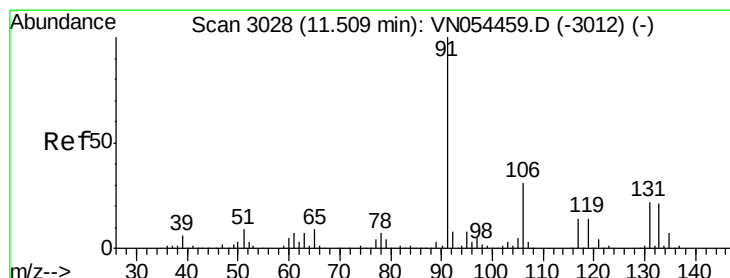
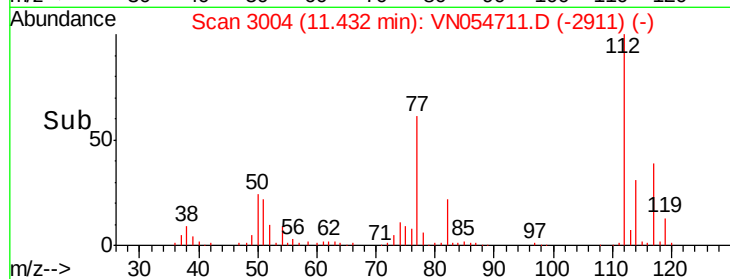
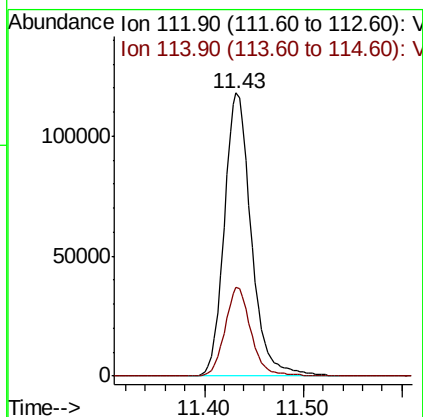
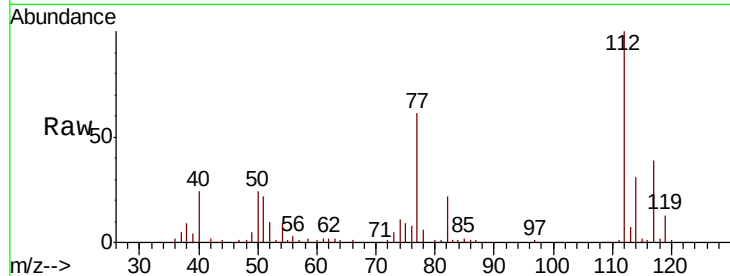




#65
Chlorobenzene
Concen: 20.178 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN054711.D
Acq: 27 Mar 2019 10:27

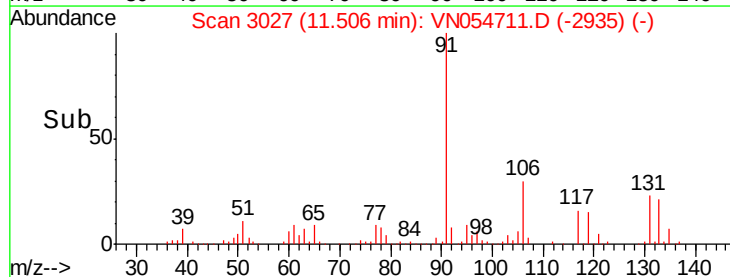
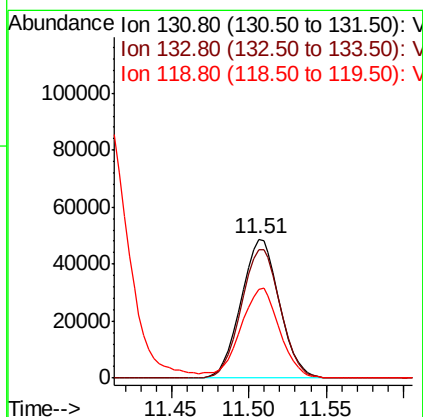
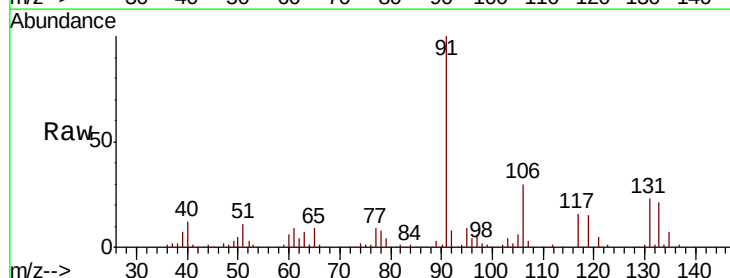
Instrument :
MSVOA_N
ClientSampled :

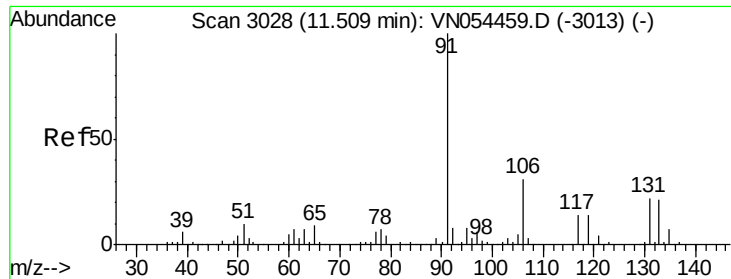
Tot Ion:112 Resp: 226448
Ion Ratio Lower Upper
112 100
114 31.2 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 20.906 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN054711.D
Acq: 27 Mar 2019 10:27

Tgt Ion:131 Resp: 84213
Ion Ratio Lower Upper
131 100
133 94.2 47.6 142.9
119 66.0 32.4 97.0

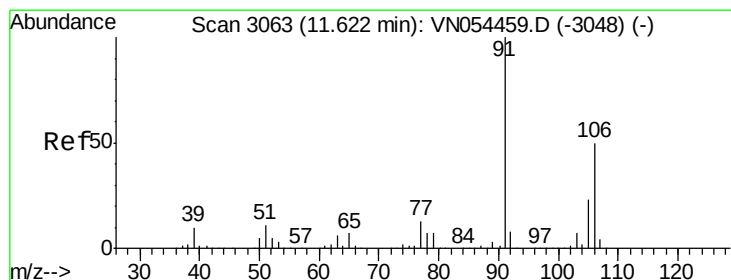
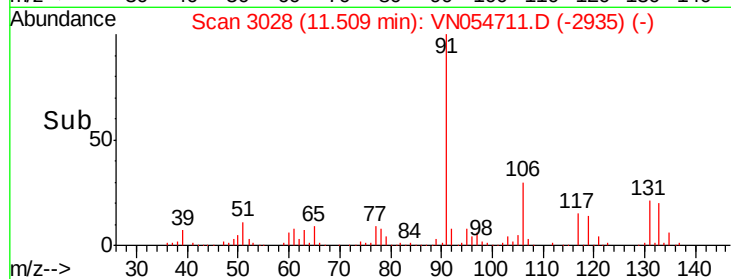
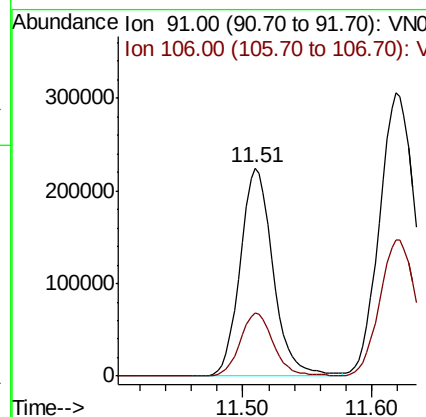
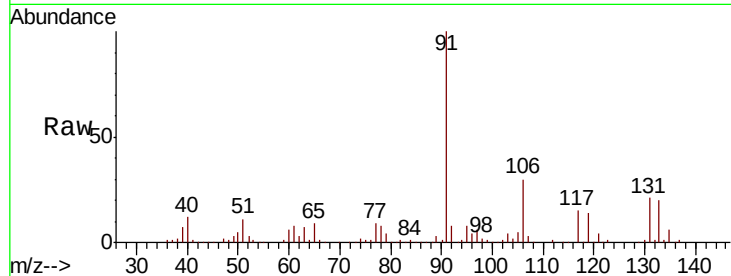




#67
Ethyl Benzene
Concen: 20.079 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN054711.D
Acq: 27 Mar 2019 10:27

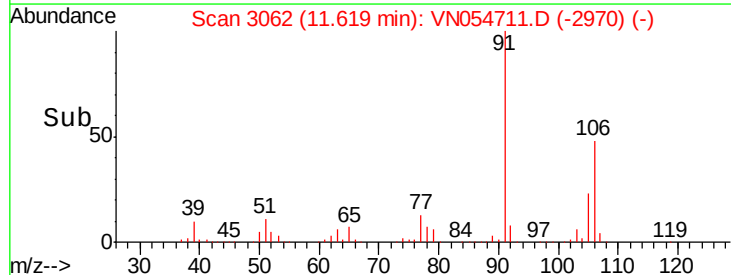
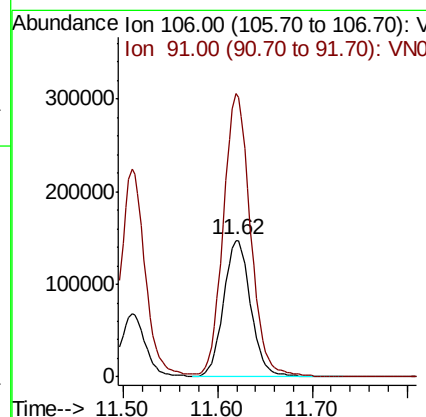
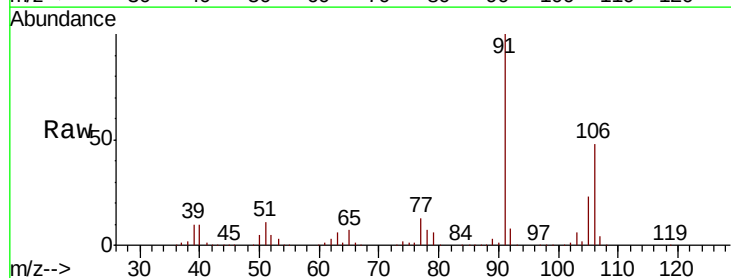
Instrument :
MSVOA_N
ClientSampleId :

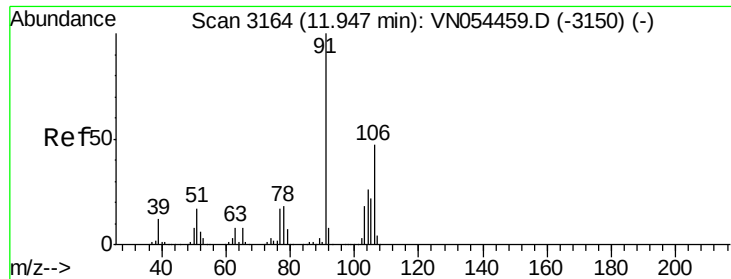
Tot Ion: 91 Resp: 398046
Ion Ratio Lower Upper
91 100
106 30.3 25.5 38.3



#68
m/p-Xylenes
Concen: 39.434 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN054711.D
Acq: 27 Mar 2019 10:27

Tgt Ion: 106 Resp: 296105
Ion Ratio Lower Upper
106 100
91 206.6 159.4 239.2

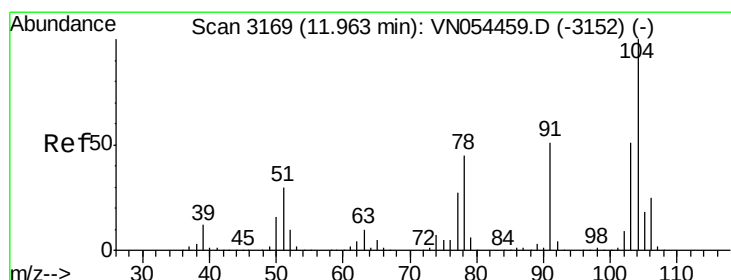
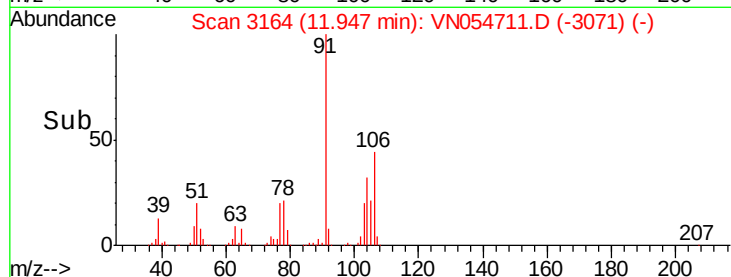
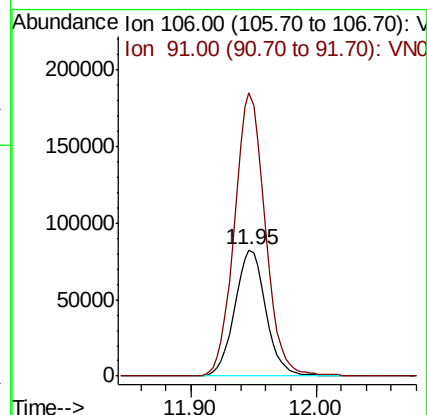
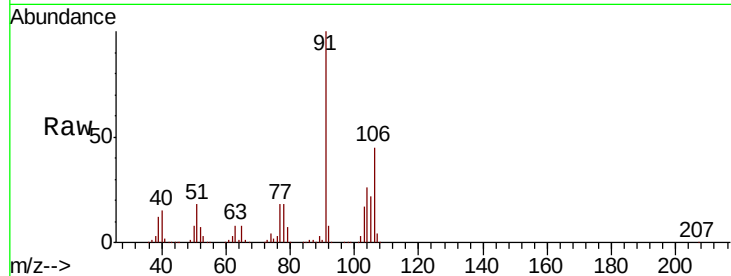




#69
o-Xylene
Concen: 19.446 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054711.D
Acq: 27 Mar 2019 10:27

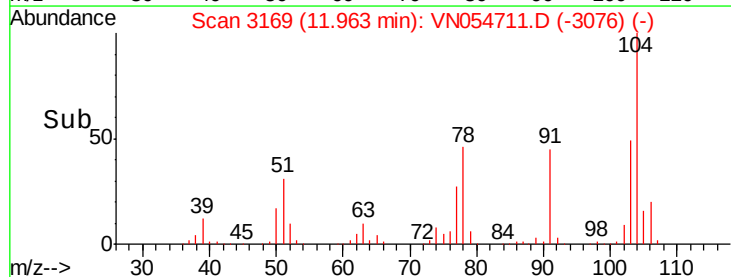
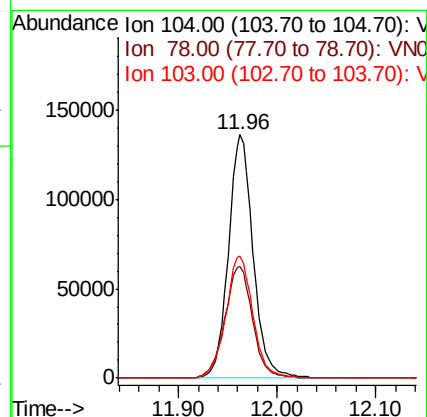
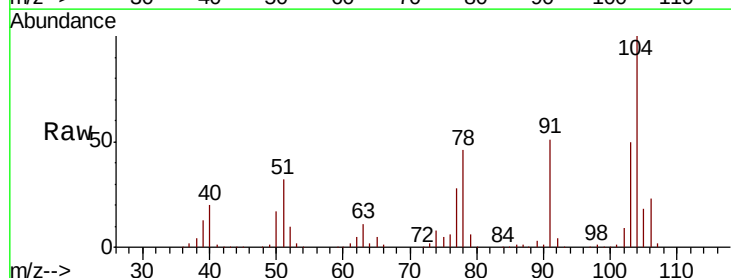
Instrument :
MSVOA_N
ClientSampled :

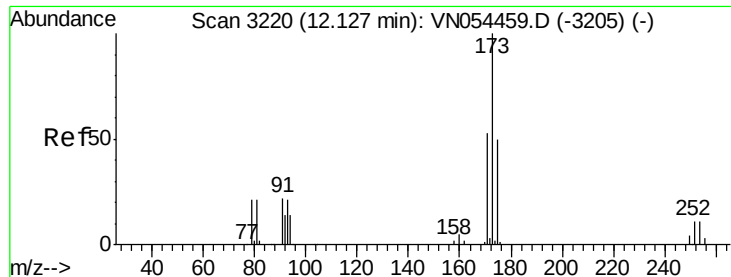
Tot Ion:106 Resp: 142601
Ion Ratio Lower Upper
106 100
91 221.4 105.7 317.1



#70
Styrene
Concen: 19.952 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN054711.D
Acq: 27 Mar 2019 10:27

Tgt Ion:104 Resp: 237601
Ion Ratio Lower Upper
104 100
78 51.6 38.2 57.2
103 55.1 44.4 66.6





#71

Bromoform

Concen: 18.414 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN054711.D

Acq: 27 Mar 2019 10:27

Instrument :

MSVOA_N

ClientSampleId :

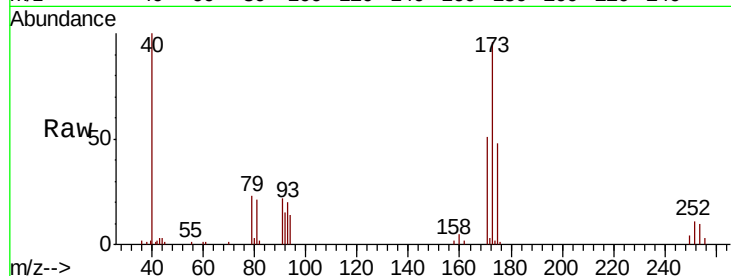
Tot Ion:173 Resp: 47061

Ion Ratio Lower Upper

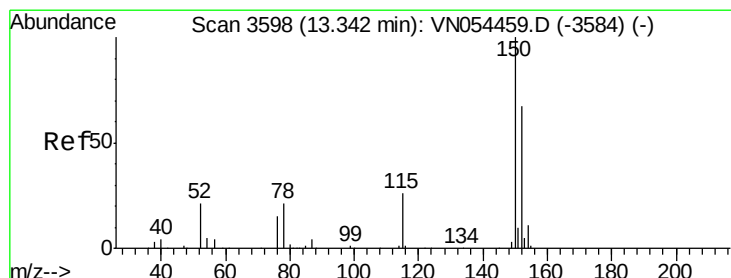
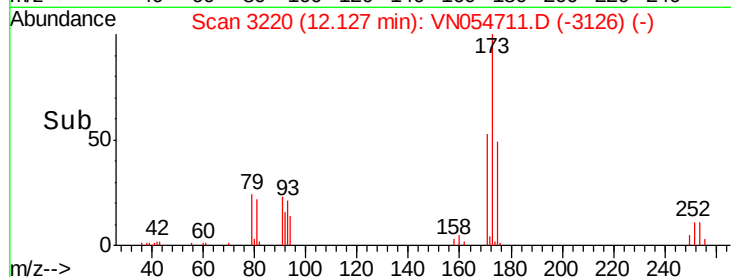
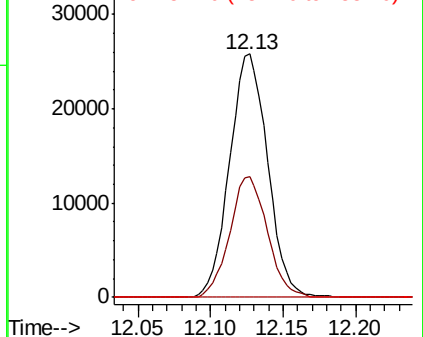
173 100

175 49.0 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: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN054711.D

Acq: 27 Mar 2019 10:27

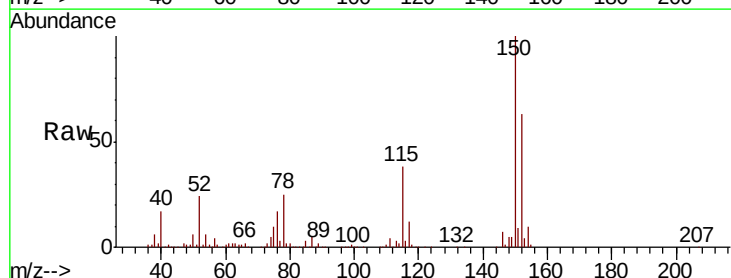
Tgt Ion:152 Resp: 236010

Ion Ratio Lower Upper

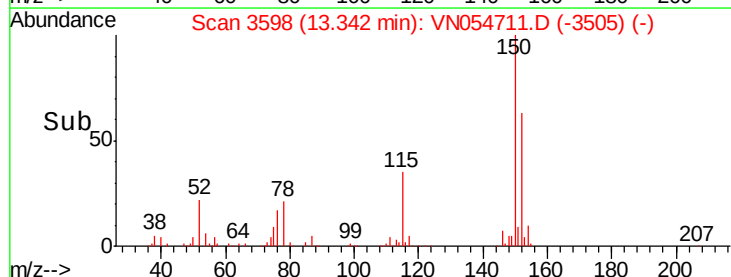
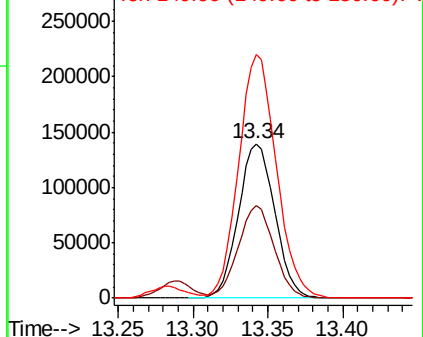
152 100

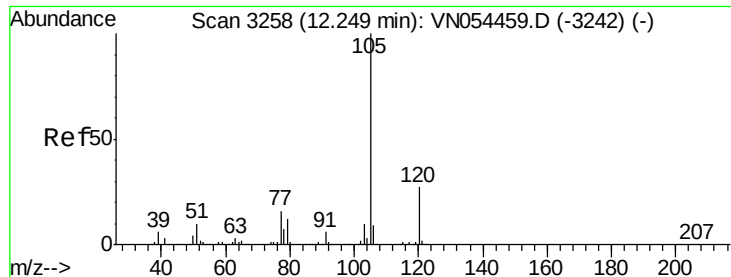
115 58.9 27.2 81.6

150 163.9 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: 20.167 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054711.D

Acq: 27 Mar 2019 10:27

Instrument :

MSVOA_N

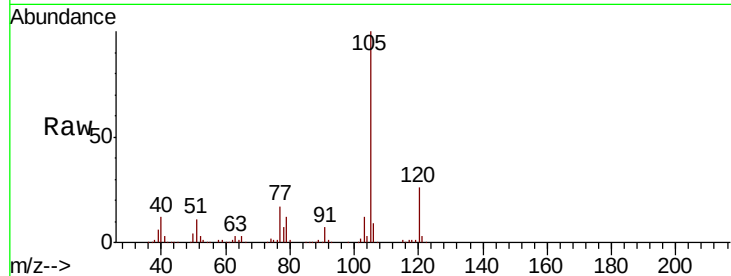
ClientSampled :

Tot Ion:105 Resp: 383538

Ion Ratio Lower Upper

105 100

120 26.3 13.8 41.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

250000

200000

150000

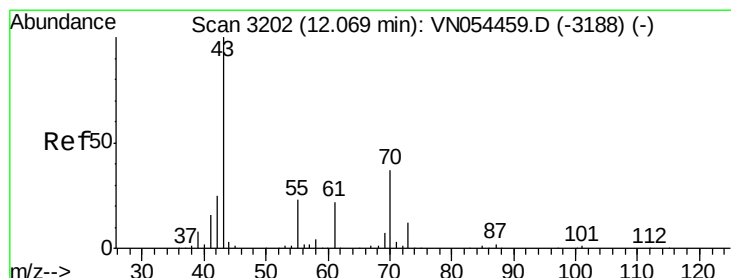
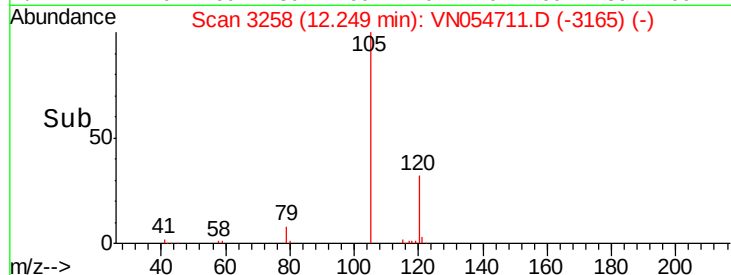
100000

50000

0

12.20 12.25 12.30

Time-->



#74

N-ethyl acetate

Concen: 20.594 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN054711.D

Acq: 27 Mar 2019 10:27

Tgt Ion: 43 Resp: 112616

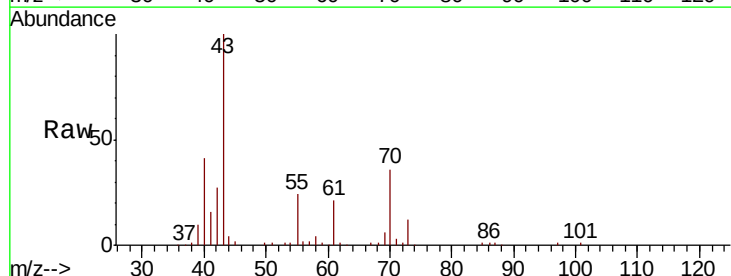
Ion Ratio Lower Upper

43 100

70 36.6 35.4 53.0

55 24.7 19.8 29.6

61 21.9 19.8 29.6



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

100000

80000

60000

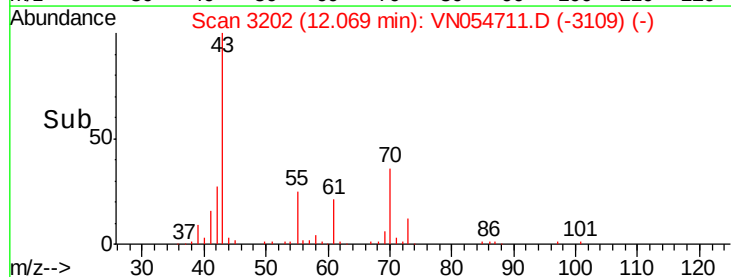
40000

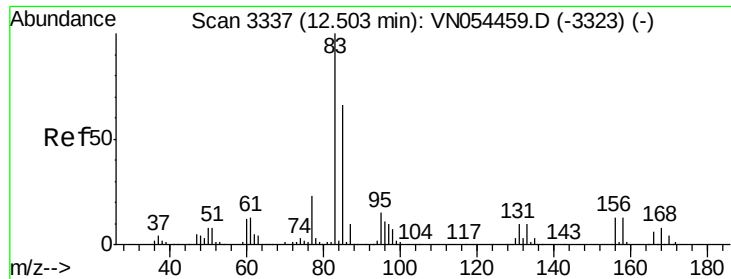
20000

0

12.00 12.05 12.10 12.15

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.931 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN054711.D

Acq: 27 Mar 2019 10:27

Instrument :

MSVOA_N

ClientSampleId :

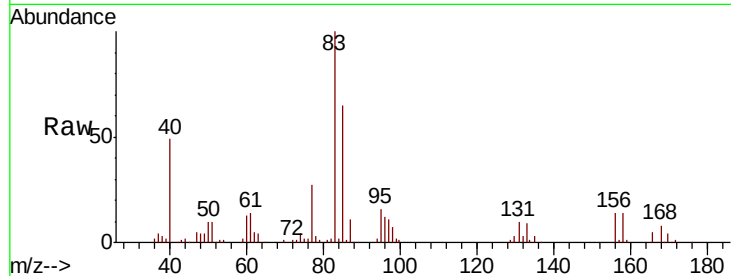
Tot Ion: 83 Resp: 90868

Ion Ratio Lower Upper

83 100

131 10.6 5.8 17.4

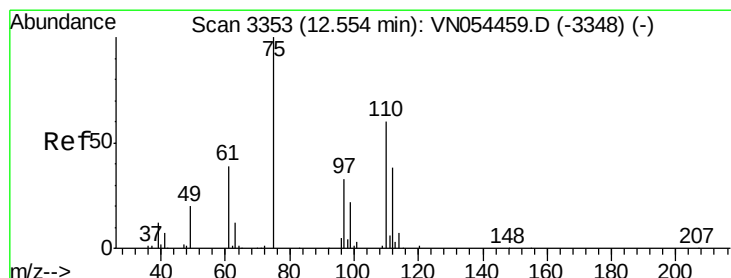
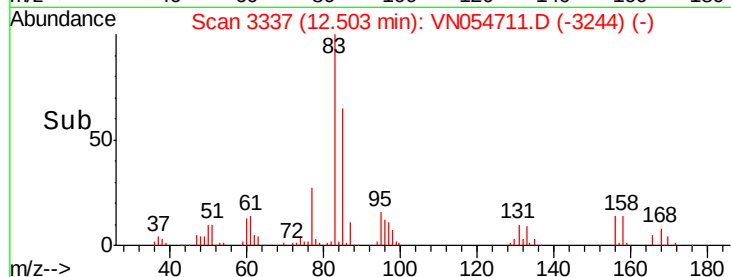
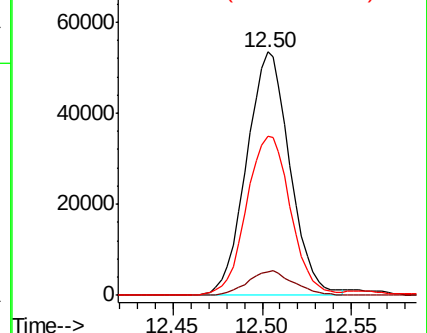
85 66.2 32.2 96.6



Abundance Ion 82.90 (82.60 to 83.60): VN054711.D (-3323) (-)

Ion 130.80 (130.50 to 131.50): VN054711.D (-3323) (-)

Ion 84.90 (84.60 to 85.60): VN054711.D (-3323) (-)



#76

1,2,3-Trichloropropane

Concen: 29.561 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN054711.D

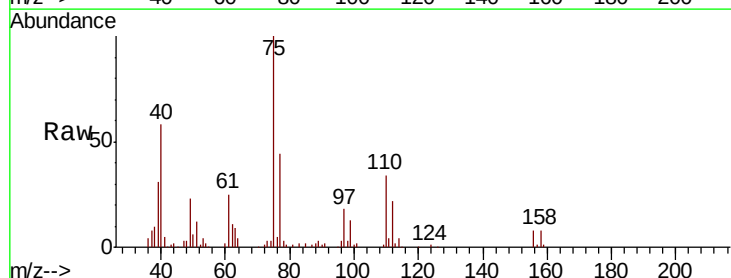
Acq: 27 Mar 2019 10:27

Tgt Ion: 75 Resp: 110709

Ion Ratio Lower Upper

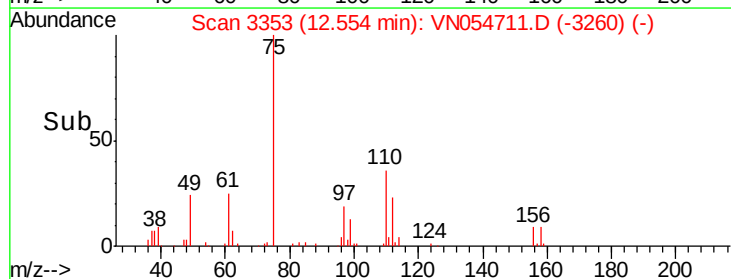
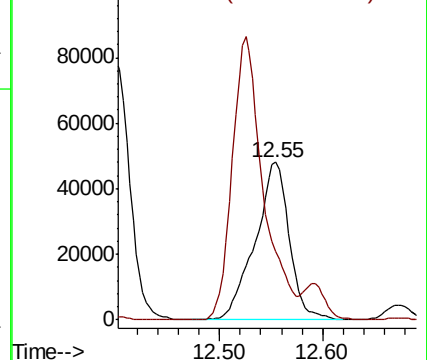
75 100

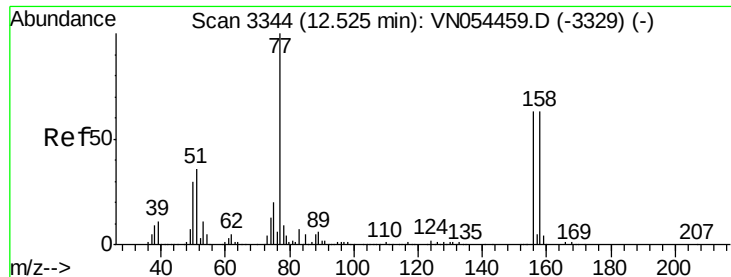
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN054711.D (-3348) (-)

Ion 77.00 (76.70 to 77.70): VN054711.D (-3348) (-)





#77

Bromobenzene

Concen: 19.347 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN054711.D

Acq: 27 Mar 2019 10:27

Instrument :

MSVOA_N

ClientSampleId :

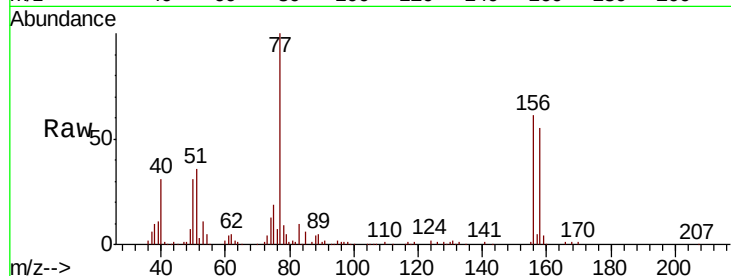
Tot Ion:156 Resp: 91256

Ion Ratio Lower Upper

156 100

77 199.1 81.5 244.4

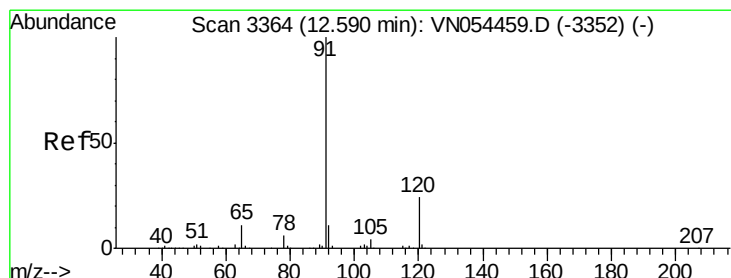
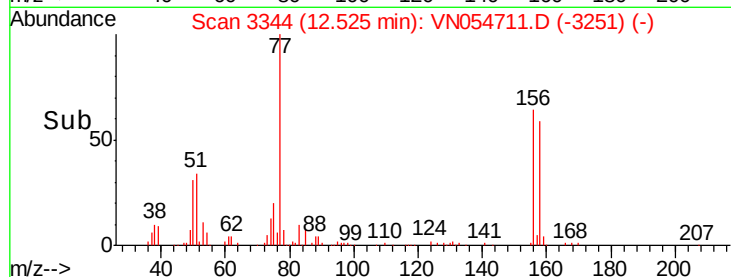
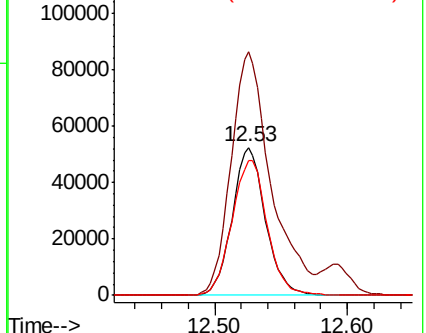
158 96.6 49.0 147.2



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: 20.667 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN054711.D

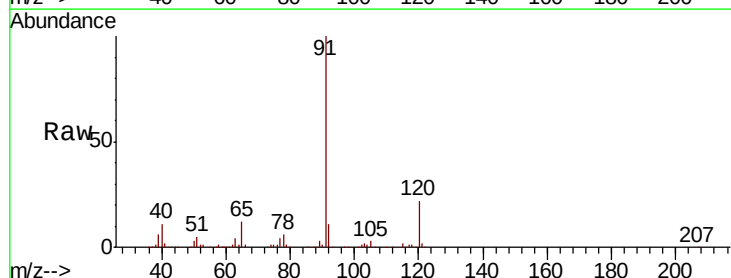
Acq: 27 Mar 2019 10:27

Tgt Ion: 91 Resp: 426216

Ion Ratio Lower Upper

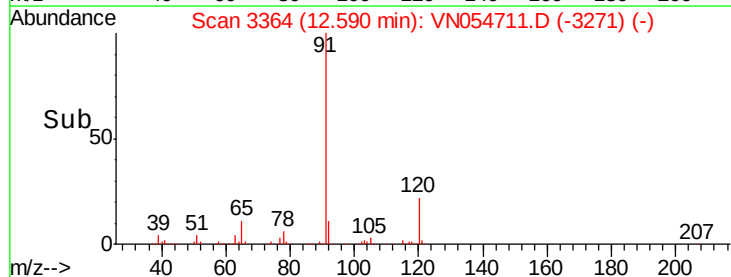
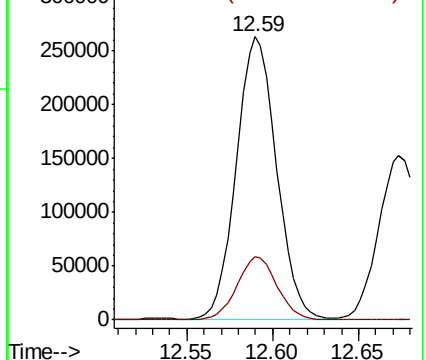
91 100

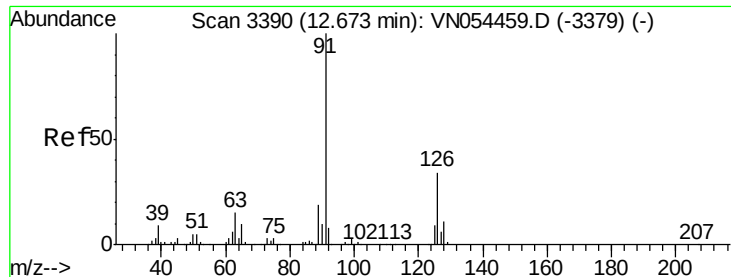
120 22.3 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.219 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN054711.D

Acq: 27 Mar 2019 10:27

Instrument :

MSVOA_N

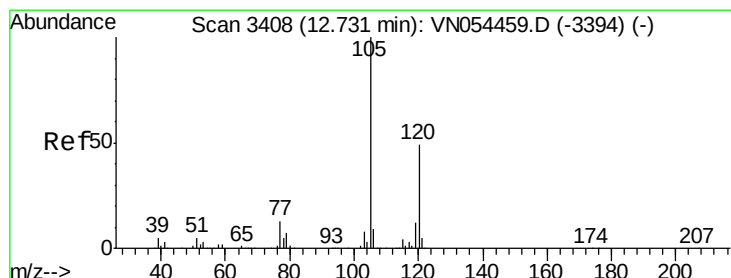
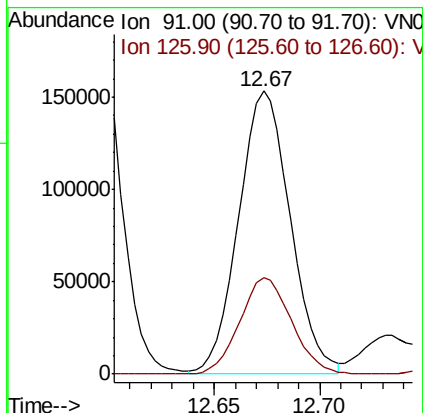
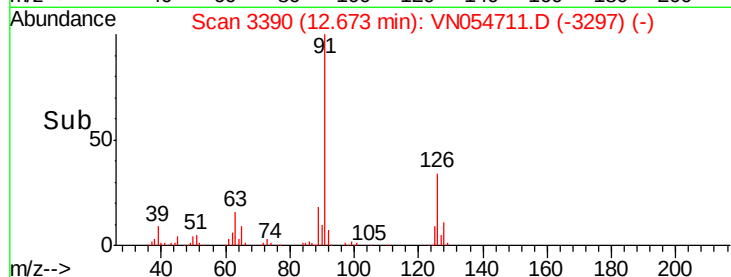
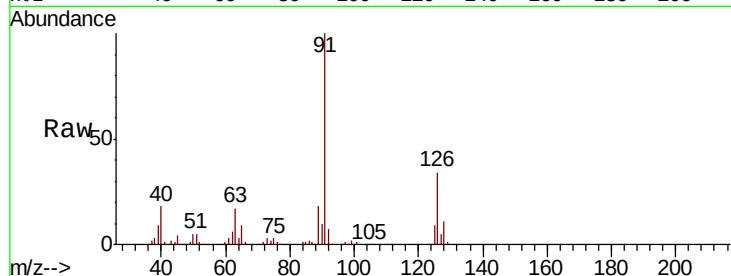
ClientSampleId :

Tot Ion: 91 Resp: 260024

Ion Ratio Lower Upper

91 100

126 34.4 18.7 56.1



#80

1,3,5-Trimethylbenzene

Concen: 20.368 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN054711.D

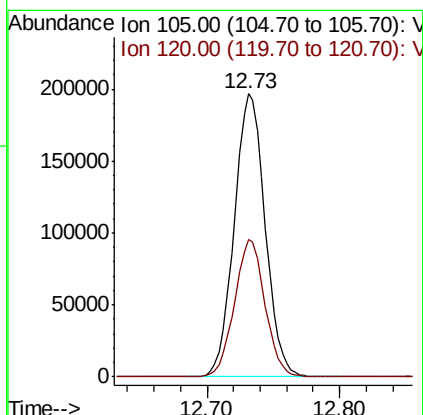
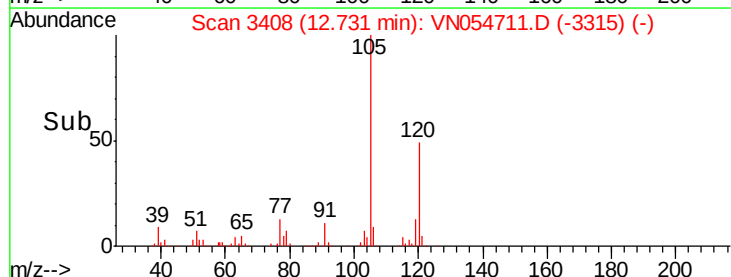
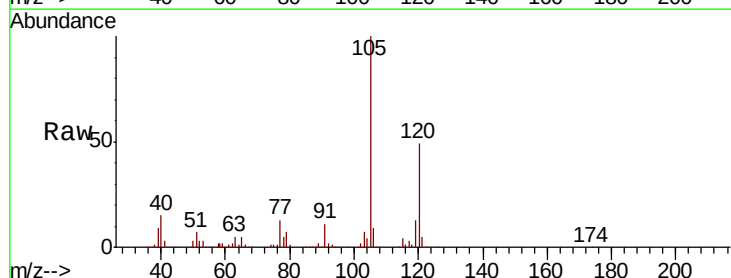
Acq: 27 Mar 2019 10:27

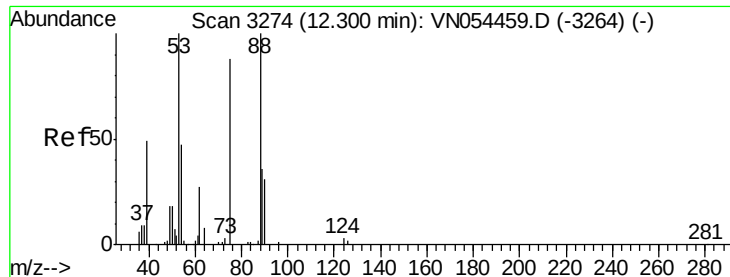
Tgt Ion: 105 Resp: 317475

Ion Ratio Lower Upper

105 100

120 48.0 25.0 75.0

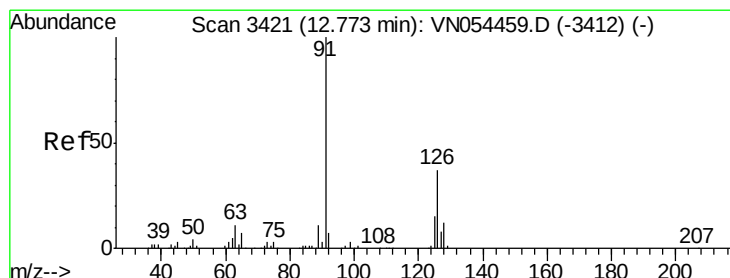
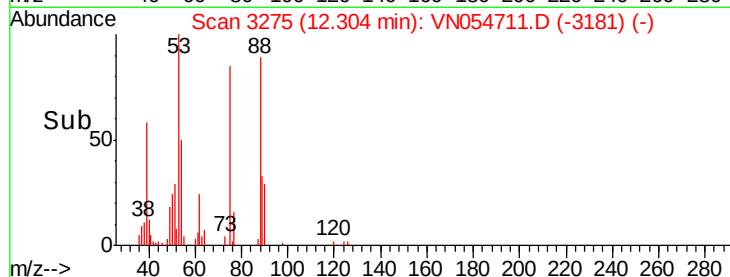
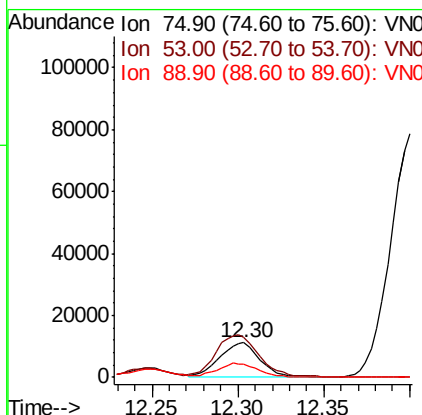
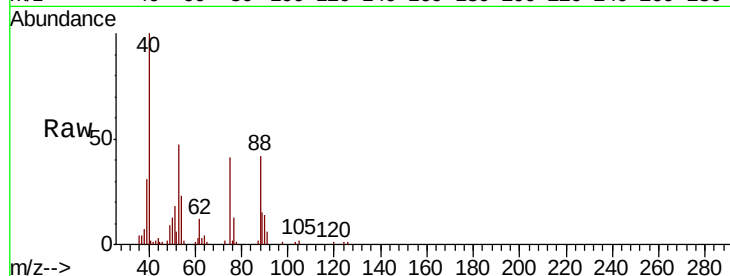




#81
trans-1,4-Dichloro-2-butene
Concen: 19.263 ug/l
RT: 12.30 min Scan# 3275
Delta R.T. 0.00 min
Lab File: VN054711.D
Acq: 27 Mar 2019 10:27

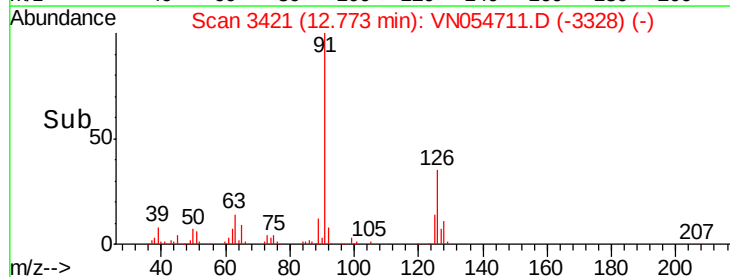
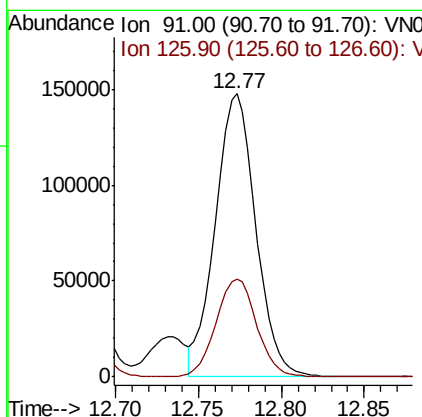
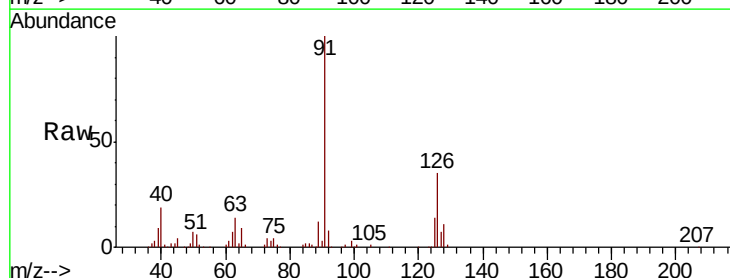
Instrument :
MSVOA_N
ClientSampled :

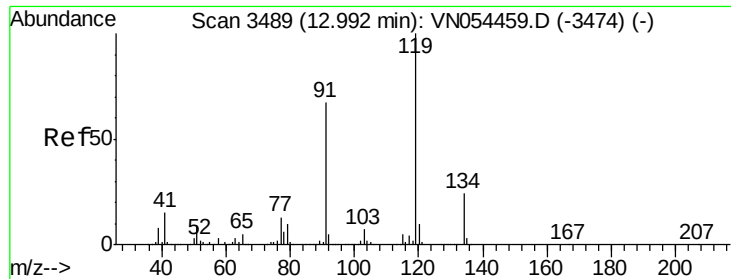
Tot Ion: 75 Resp: 18665
Ion Ratio Lower Upper
75 100
53 131.7 76.2 114.2#
89 38.4 39.2 58.8#



#82
4-Chlorotoluene
Concen: 20.017 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN054711.D
Acq: 27 Mar 2019 10:27

Tgt Ion: 91 Resp: 249523
Ion Ratio Lower Upper
91 100
126 34.8 18.1 54.1

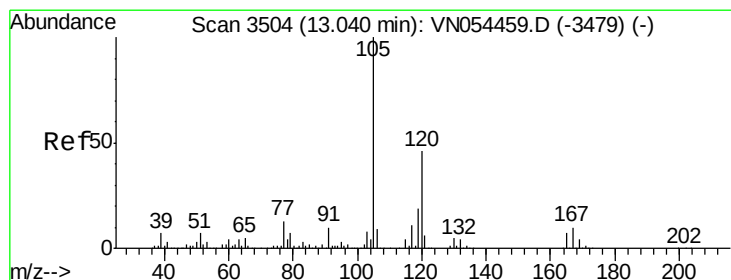
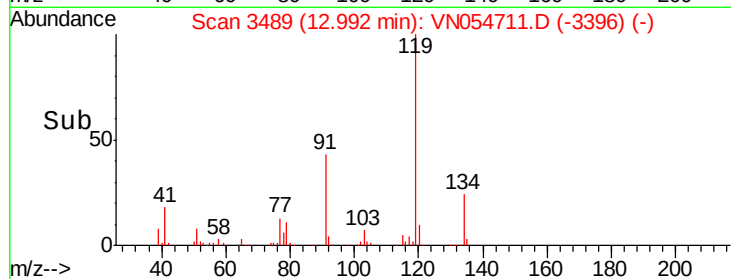
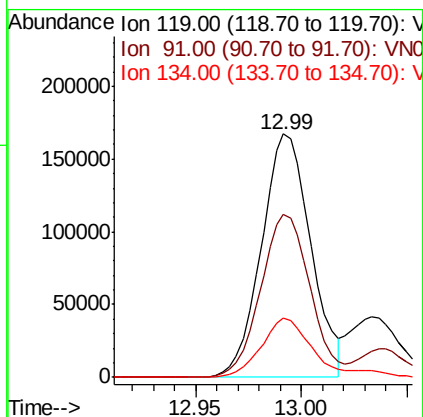
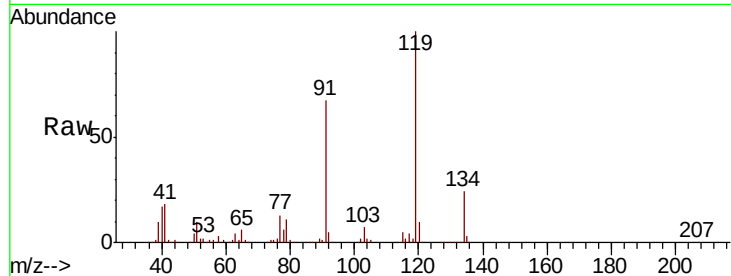




#83
 tert-Butylbenzene
 Concen: 20.052 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. -0.00 min
 Lab File: VN054711.D
 Acq: 27 Mar 2019 10:27

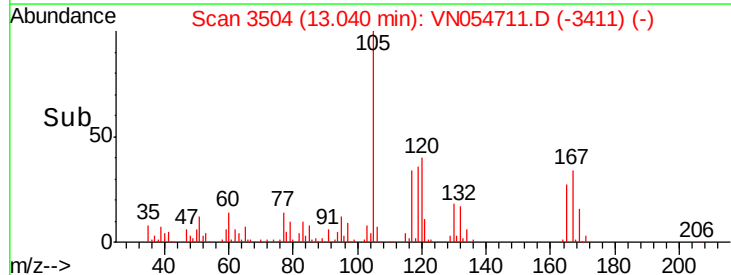
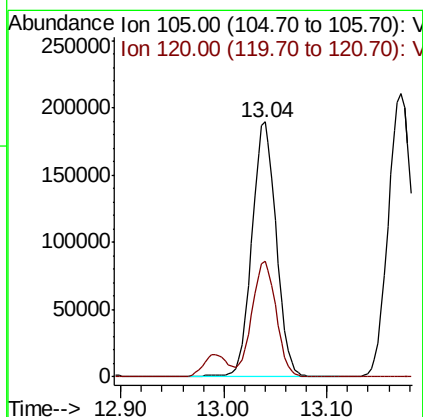
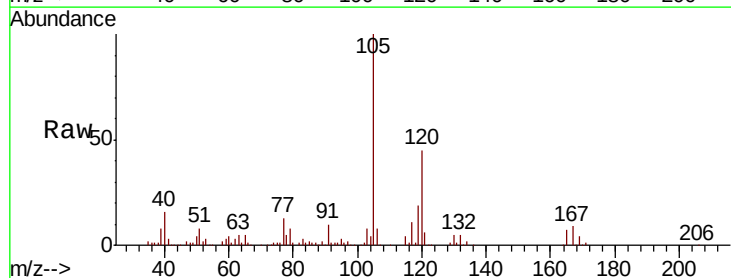
Instrument :
 MSVOA_N
 ClientSampled :

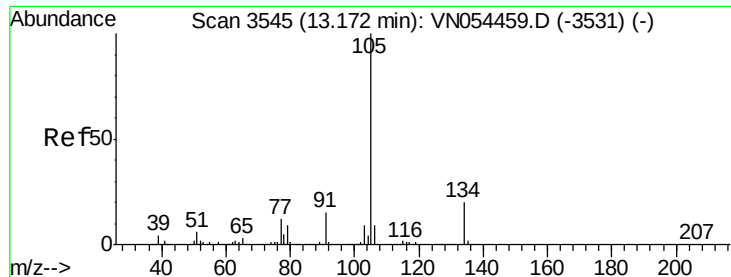
Tot Ion:119 Resp: 272062
 Ion Ratio Lower Upper
 119 100
 91 66.9 30.9 92.8
 134 24.0 13.2 39.6



#84
 1,2,4-Trimethylbenzene
 Concen: 20.219 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN054711.D
 Acq: 27 Mar 2019 10:27

Tgt Ion:105 Resp: 309238
 Ion Ratio Lower Upper
 105 100
 120 45.3 23.4 70.3





#85

sec-Butylbenzene

Concen: 20.395 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN054711.D

Acq: 27 Mar 2019 10:27

Instrument :

MSVOA_N

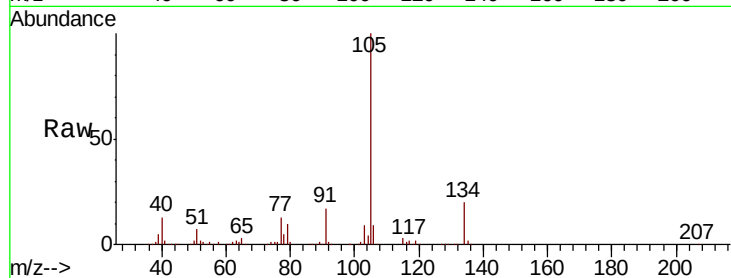
ClientSampled :

Tot Ion:105 Resp: 344952

Ion Ratio Lower Upper

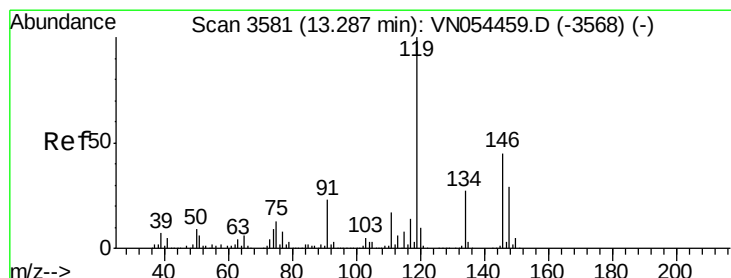
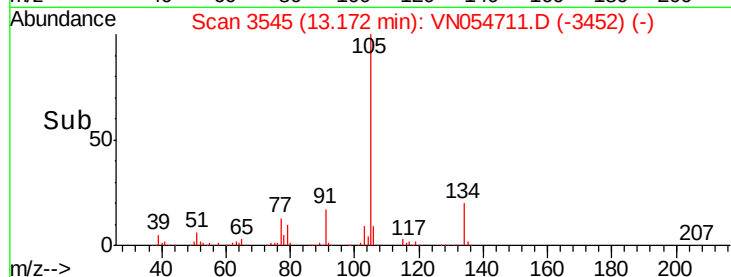
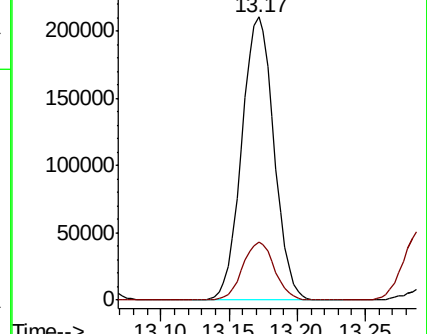
105 100

134 20.3 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: 20.116 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN054711.D

Acq: 27 Mar 2019 10:27

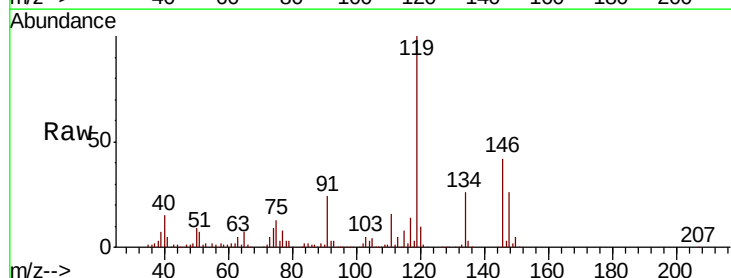
Tgt Ion:119 Resp: 304380

Ion Ratio Lower Upper

119 100

134 26.2 13.6 40.8

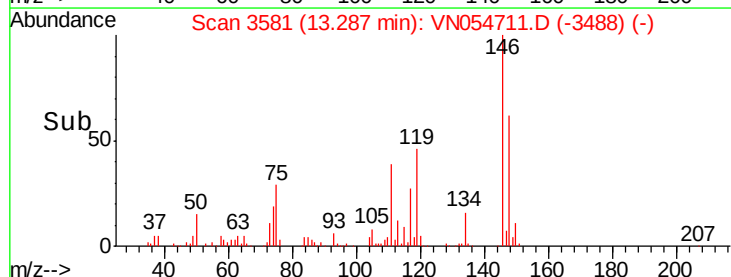
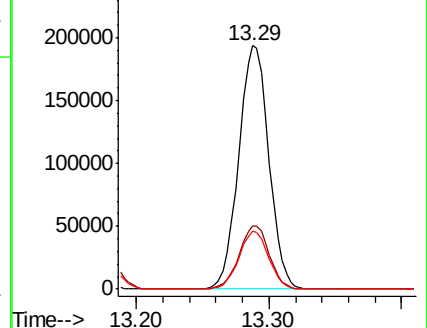
91 23.6 11.1 33.3

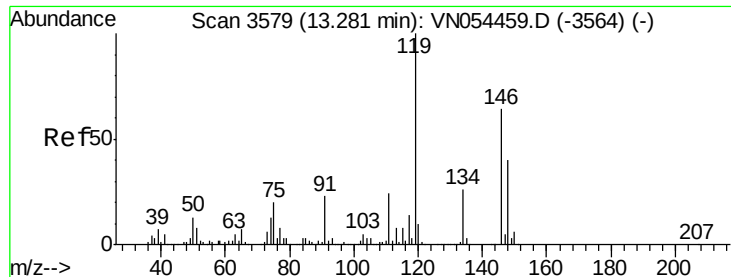


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

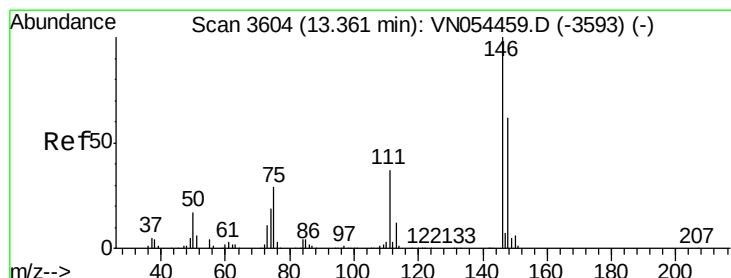
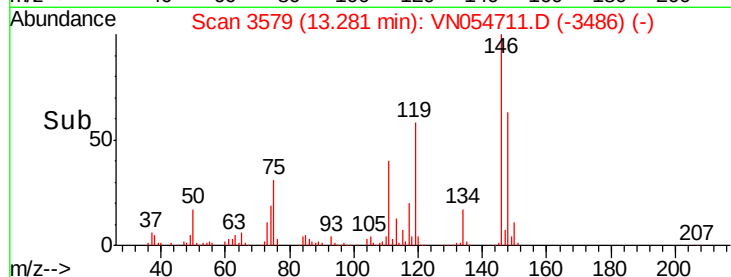
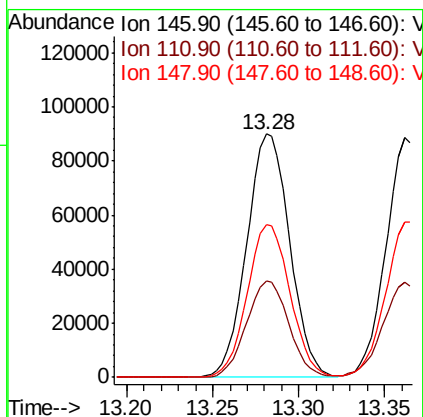
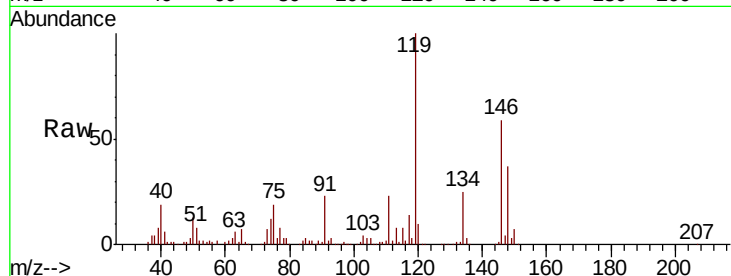




#87
 1,3-Dichlorobenzene
 Concen: 19.968 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN054711.D
 Acq: 27 Mar 2019 10:27

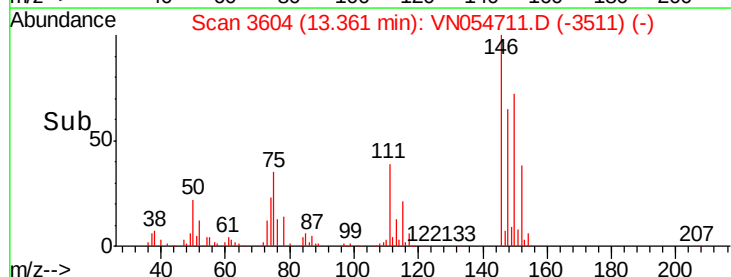
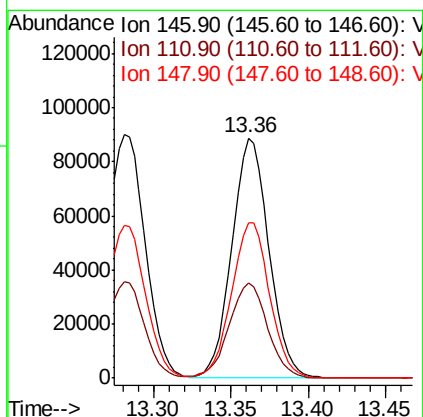
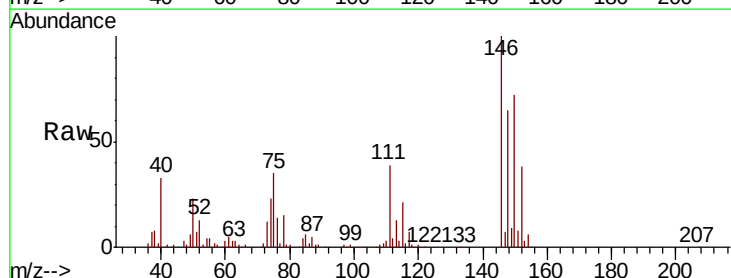
Instrument :
 MSVOA_N
 ClientSampled :

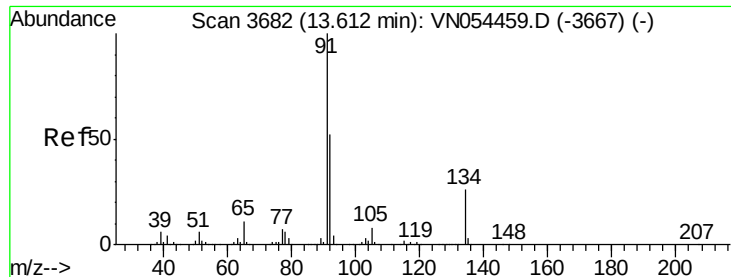
Tot Ion:146 Resp: 156081
 Ion Ratio Lower Upper
 146 100
 111 38.8 18.8 56.3
 148 62.4 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 19.413 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN054711.D
 Acq: 27 Mar 2019 10:27

Tgt Ion:146 Resp: 147640
 Ion Ratio Lower Upper
 146 100
 111 41.1 18.1 54.1
 148 66.5 32.0 96.0

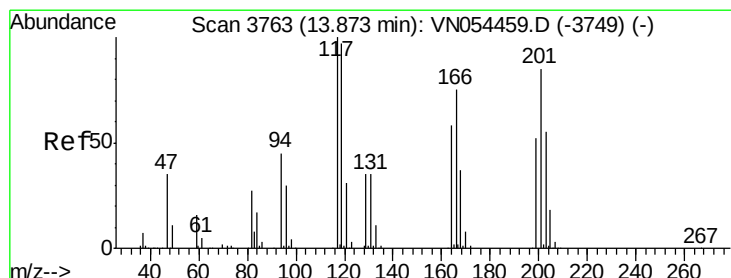
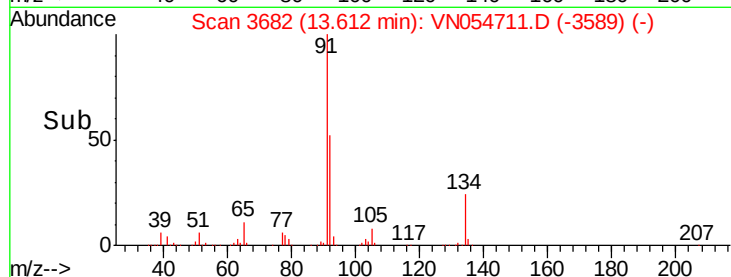
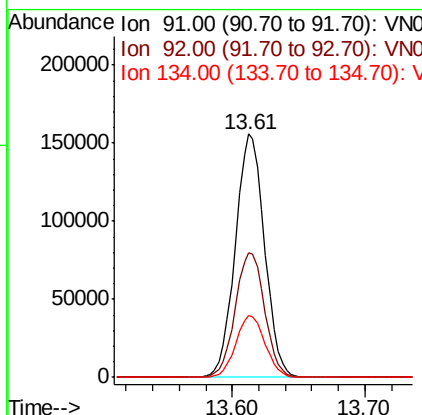
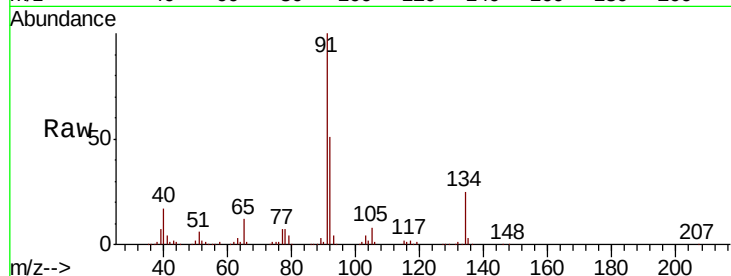




#89
n-Butylbenzene
Concen: 20.070 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN054711.D
Acq: 27 Mar 2019 10:27

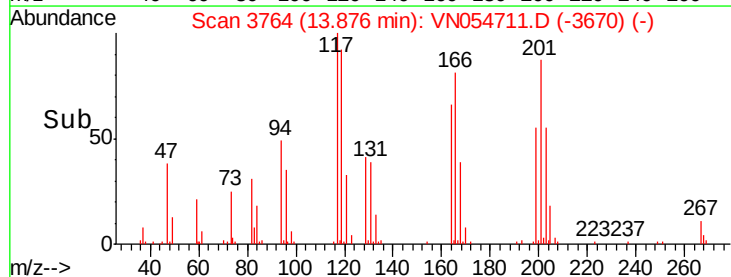
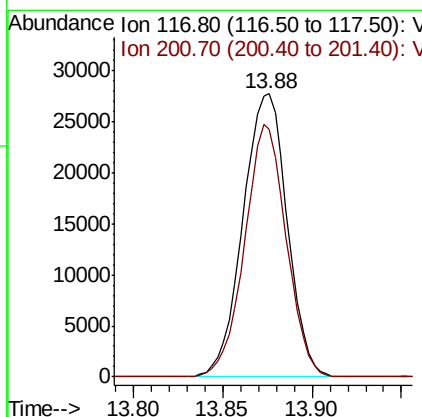
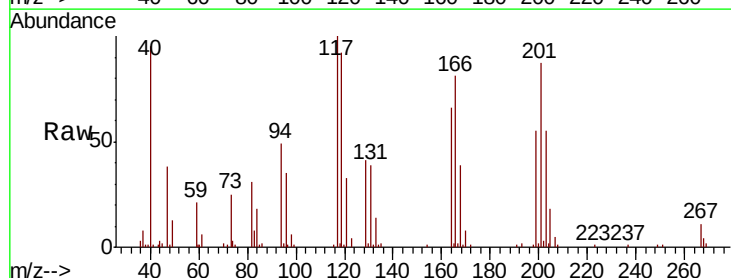
Instrument :
MSVOA_N
ClientSampled :

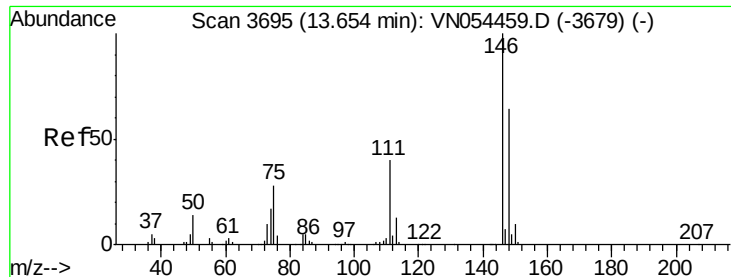
Tot Ion: 91 Resp: 237461
Ion Ratio Lower Upper
91 100
92 51.8 26.2 78.6
134 25.4 14.3 42.9



#90
Hexachloroethane
Concen: 20.411 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN054711.D
Acq: 27 Mar 2019 10:27

Tgt Ion: 117 Resp: 47941
Ion Ratio Lower Upper
117 100
201 83.8 48.1 144.4

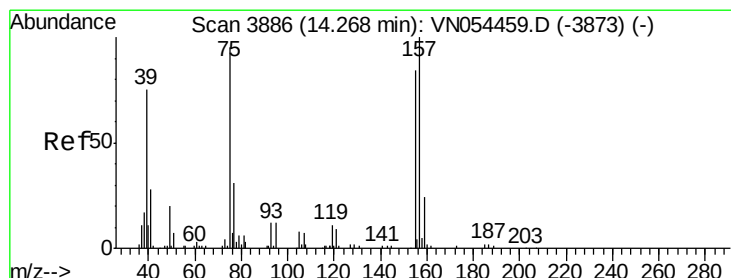
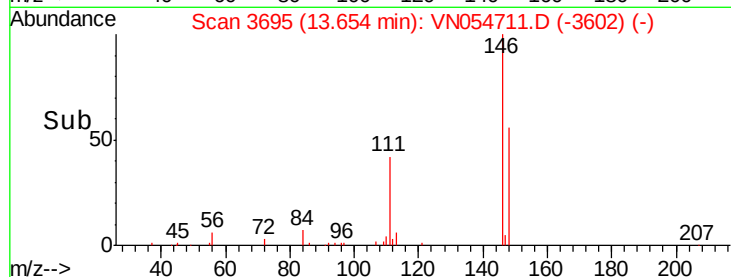
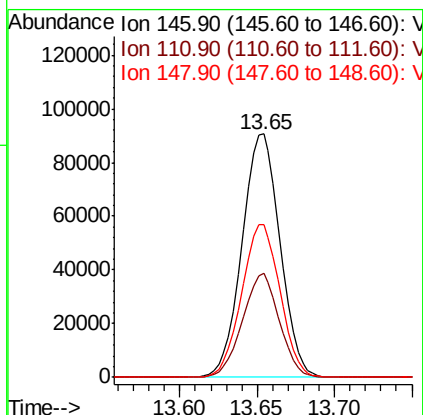
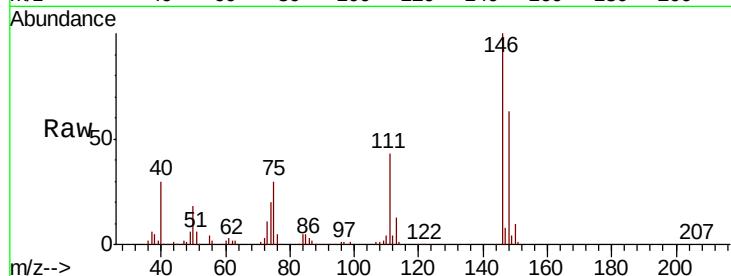




#91
 1,2-Dichlorobenzene
 Concen: 20.485 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN054711.D
 Acq: 27 Mar 2019 10:27

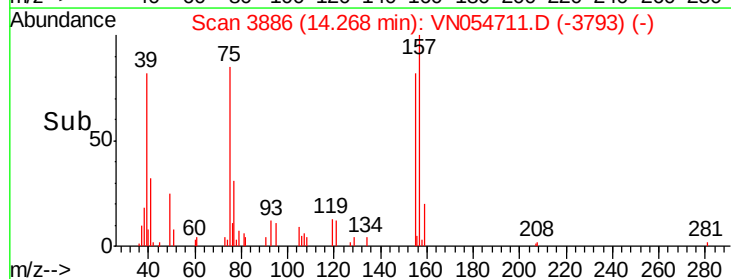
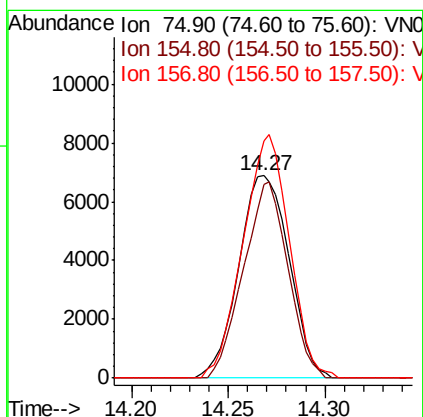
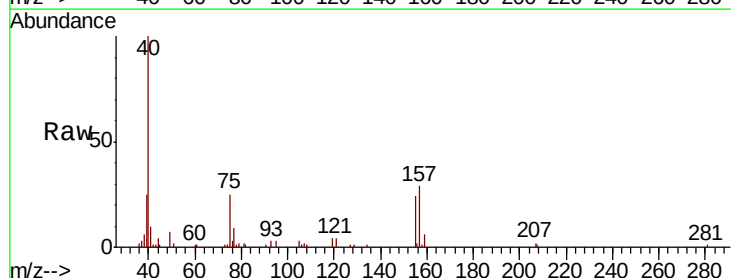
Instrument :
 MSVOA_N
 ClientSampled :

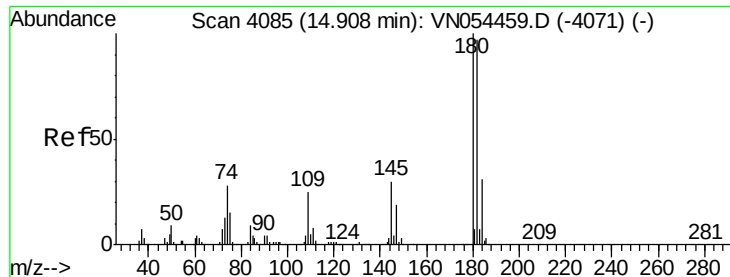
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.3	19.1	57.3
148	63.4	32.4	97.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.624 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN054711.D
 Acq: 27 Mar 2019 10:27

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.6	50.1	150.3
157	110.8	63.1	189.3

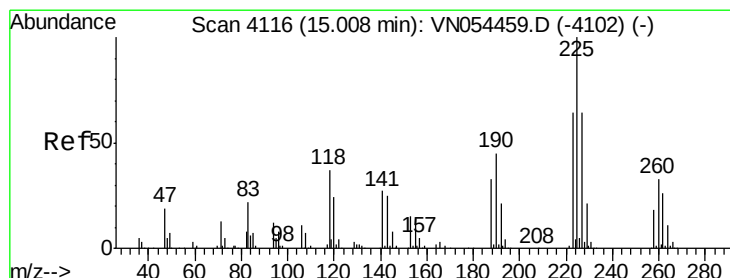
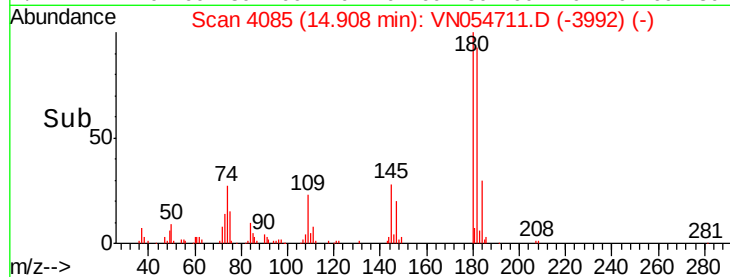
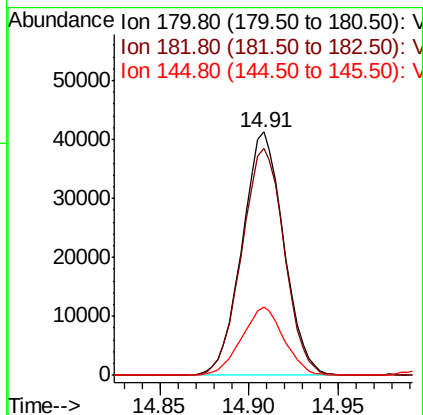
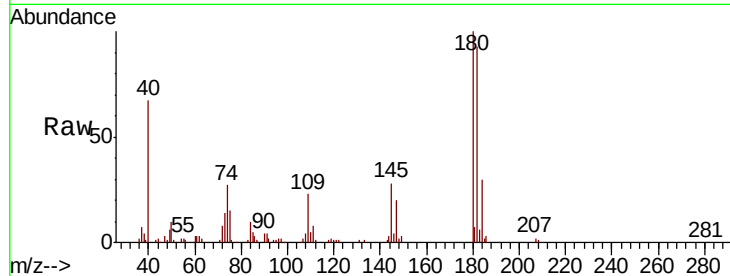




#93
 1,2,4-Trichlorobenzene
 Concen: 17.790 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN054711.D
 Acq: 27 Mar 2019 10:27

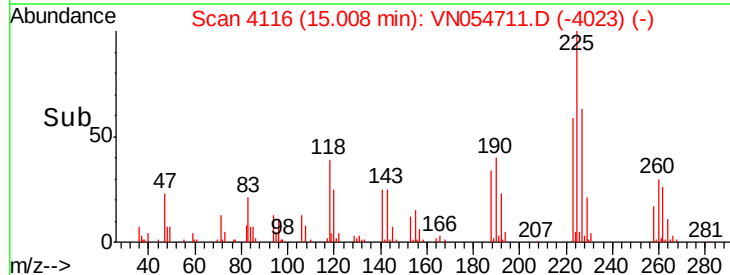
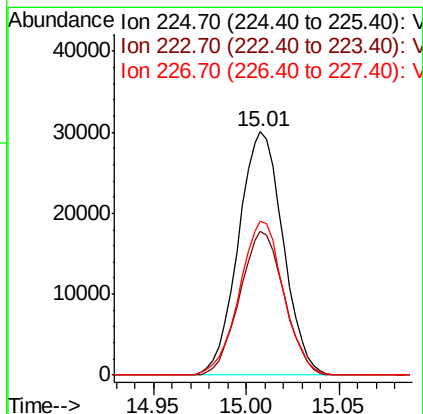
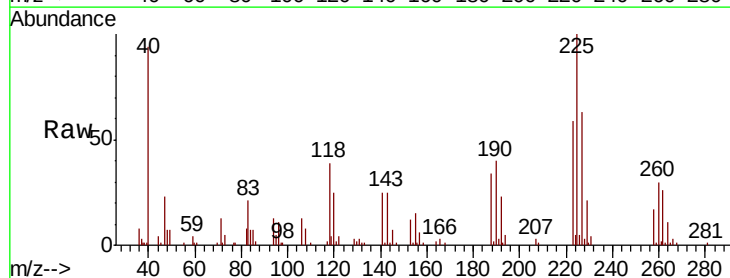
Instrument :
 MSVOA_N
 ClientSampled :

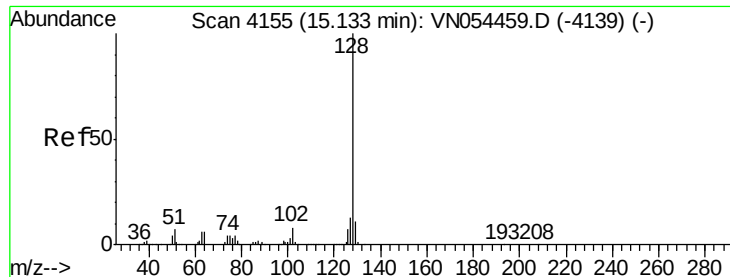
Tot Ion:180 Resp: 67141
 Ion Ratio Lower Upper
 180 100
 182 95.3 48.0 144.2
 145 28.5 14.2 42.8



#94
 Hexachlorobutadiene
 Concen: 22.417 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN054711.D
 Acq: 27 Mar 2019 10:27

Tgt Ion:225 Resp: 50435
 Ion Ratio Lower Upper
 225 100
 223 58.6 31.1 93.5
 227 62.4 31.9 95.9





#95

Naphthalene

Concen: 17.577 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN054711.D

Acq: 27 Mar 2019 10:27

Instrument :

MSVOA_N

ClientSampled :

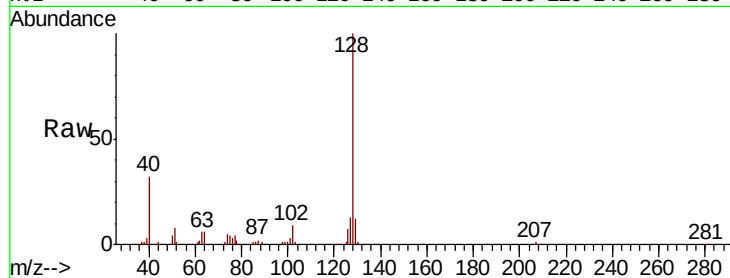
Tot Ion:128 Resp: 147971

Ion Ratio Lower Upper

128 100

127 13.1 10.1 15.1

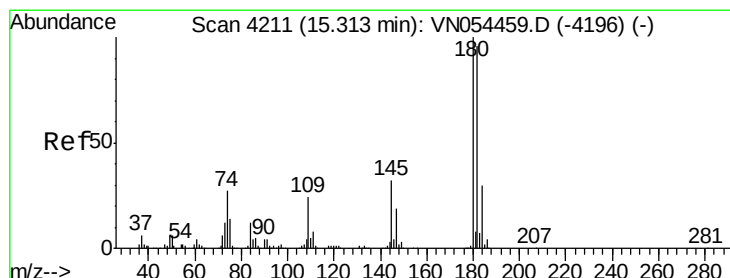
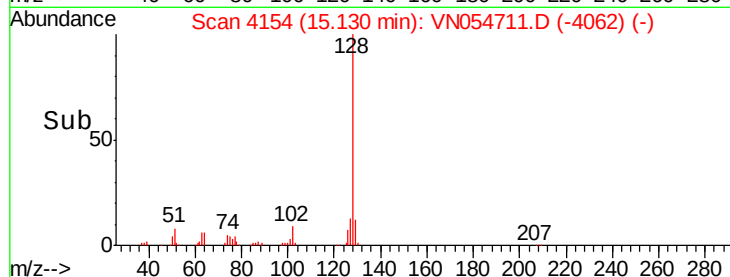
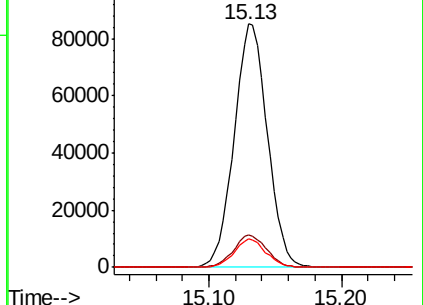
129 11.2 8.7 13.1



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: 18.549 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN054711.D

Acq: 27 Mar 2019 10:27

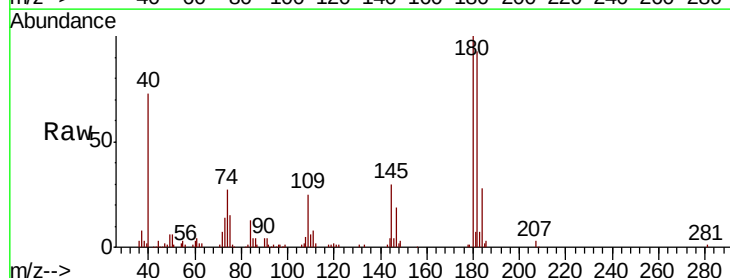
Tgt Ion:180 Resp: 69677

Ion Ratio Lower Upper

180 100

182 93.6 47.5 142.6

145 30.5 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

