

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031819\
 Data File : VN054380.D
 Acq On : 18 Mar 2019 8:50
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 19 05:07:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 13 03:33:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	1356718	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1953665	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1738473	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	820104	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	691541	48.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.00%	
35) Dibromofluoromethane	7.59	113	646774	51.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.66%	
50) Toluene-d8	10.09	98	2362231	50.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.52%	
62) 4-Bromofluorobenzene	12.40	95	820680	50.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	625320	48.632	ug/l	98
3) Chloromethane	2.06	50	560561	44.880	ug/l	100
4) Vinyl Chloride	2.19	62	644581	45.152	ug/l	100
5) Bromomethane	2.57	94	418255	42.302	ug/l	97
6) Chloroethane	2.71	64	388346	44.960	ug/l	98
7) Trichlorofluoromethane	3.02	101	855928	45.096	ug/l	100
8) Diethyl Ether	3.41	74	426071	49.261	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	719017	50.553	ug/l	100
10) Methyl Iodide	3.94	142	1070342	52.901	ug/l	100
11) Tert butyl alcohol	4.81	59	206102	208.656	ug/l	98
12) 1,1-Dichloroethene	3.73	96	676994	48.032	ug/l	99
13) Acrolein	3.60	56	177204	189.323	ug/l	99
14) Allyl chloride	4.31	41	878620	48.585	ug/l	99
15) Acrylonitrile	4.99	53	1043804	257.259	ug/l	99
16) Acetone	3.82	43	1102467	267.236	ug/l	100
17) Carbon Disulfide	4.04	76	1534234	43.422	ug/l	100
18) Methyl Acetate	4.33	43	490535	58.771	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	1731042	49.548	ug/l	99
20) Methylene Chloride	4.55	84	668672	49.363	ug/l	99
21) trans-1,2-Dichloroethene	5.03	96	647615	47.955	ug/l	99
22) Diisopropyl ether	5.96	45	1869578	51.799	ug/l	97
23) Vinyl Acetate	5.90	43	6617037	248.654	ug/l	99
24) 1,1-Dichloroethane	5.84	63	1146749	49.483	ug/l	99
25) 2-Butanone	6.84	43	1338496	276.434	ug/l	99
26) 2,2-Dichloropropane	6.82	77	934076	45.834	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	758055	50.316	ug/l	99
28) Bromochloromethane	7.19	49	477267	50.377	ug/l	100
29) Tetrahydrofuran	7.22	42	781951	251.170	ug/l	99
30) Chloroform	7.37	83	1231466	50.924	ug/l	100
31) Cyclohexane	7.65	56	1027834	47.375	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	1059698	48.521	ug/l	99
36) 1,1-Dichloropropene	7.79	75	935303	51.986	ug/l	100
37) Ethyl Acetate	6.93	43	539240	52.162	ug/l	99
38) Carbon Tetrachloride	7.77	117	927790	49.174	ug/l	97

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	1074685	48.548	ug/l	99
40) Benzene	8.04	78	2722124	52.872	ug/l	99
41) Methacrylonitrile	7.17	41	290661	49.243	ug/l	95
42) 1,2-Dichloroethane	8.12	62	887311	51.048	ug/l	99
43) Isopropyl Acetate	8.17	43	910288	50.166	ug/l	98
44) Trichloroethene	8.83	130	826940	51.704	ug/l	99
45) 1,2-Dichloropropane	9.12	63	692270	54.151	ug/l	98
46) Dibromomethane	9.21	93	449957	52.092	ug/l	99
47) Bromodichloromethane	9.40	83	931504	53.793	ug/l	98
48) Methyl methacrylate	9.20	41	490625	53.279	ug/l	98
49) 1,4-Dioxane	9.20	88	126502	971.192	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	2617616	272.590	ug/l	99
52) Toluene	10.16	92	1742158	53.367	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	904959	45.863	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	1069509	53.001	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	644343	54.056	ug/l	98
56) Ethyl methacrylate	10.43	69	764973	53.822	ug/l	97
57) 1,3-Dichloropropane	10.71	76	1046115	53.673	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	1515386	246.044	ug/l	99
59) 2-Hexanone	10.75	43	1748139	273.589	ug/l	98
60) Dibromochloromethane	10.90	129	719915	53.659	ug/l	100
61) 1,2-Dibromoethane	11.00	107	649850	53.648	ug/l	99
64) Tetrachloroethene	10.63	164	844646	50.251	ug/l	98
65) Chlorobenzene	11.43	112	1997416	52.326	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	736769	53.131	ug/l	99
67) Ethyl Benzene	11.51	91	3298793	52.133	ug/l	100
68) m/p-Xylenes	11.62	106	2624114	106.104	ug/l	100
69) o-Xylene	11.95	106	1271794	52.752	ug/l	98
70) Styrene	11.96	104	2030417	53.699	ug/l	100
71) Bromoform	12.13	173	480486	45.669	ug/l #	100
73) Isopropylbenzene	12.25	105	3329228	50.740	ug/l	100
74) N-amyl acetate	12.07	43	762906	52.383	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	740784	52.991	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	891352	73.910	ug/l #	100
77) Bromobenzene	12.53	156	885287	50.989	ug/l	100
78) n-propylbenzene	12.59	91	3689387	51.821	ug/l	100
79) 2-Chlorotoluene	12.67	91	2189607	51.150	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	2722157	49.878	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	164412	46.603	ug/l	95
82) 4-Chlorotoluene	12.77	91	2230514	52.183	ug/l	100
83) tert-Butylbenzene	12.99	119	2406253	47.900	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	2753033	51.418	ug/l	100
85) sec-Butylbenzene	13.17	105	3119771	47.888	ug/l	100
86) p-Isopropyltoluene	13.29	119	2786054	48.747	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1532391	52.379	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	1496399	52.067	ug/l	100
89) n-Butylbenzene	13.61	91	2178962	50.176	ug/l	99
90) Hexachloroethane	13.87	117	438299	46.313	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	1488213	52.035	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	109354	50.552	ug/l	98

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Quant Title : SW846 8260
QLast Update : Wed Mar 13 03:33:31 2019
Response via : Initial Calibration

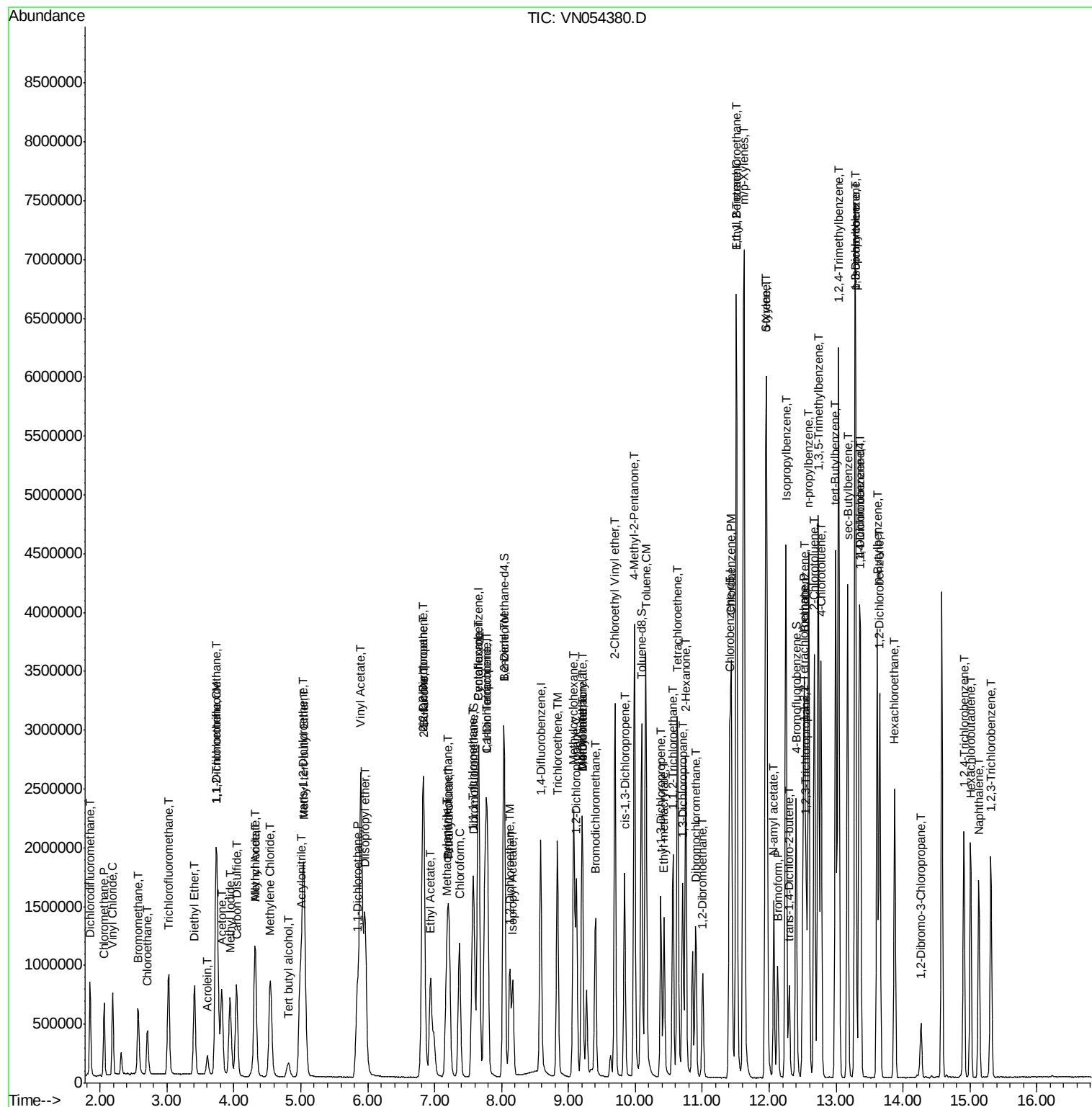
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	756218	44.108	ug/l	100
94) Hexachlorobutadiene	15.01	225	442531	40.622	ug/l	99
95) Naphthalene	15.13	128	1551273	43.604	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	730761	48.089	ug/l	100

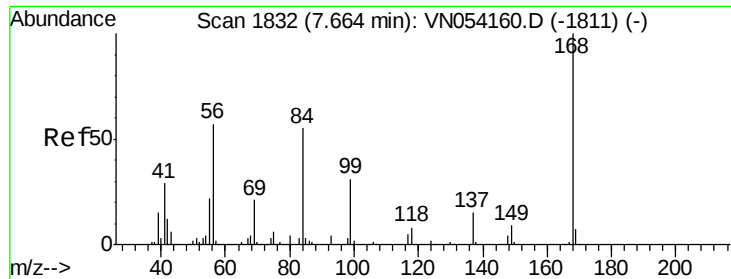
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN054380.D

Acq: 18 Mar 2019 8:50

Instrument :

MSVOA_N

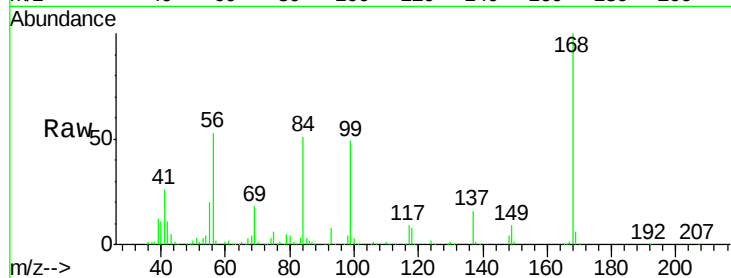
ClientSampled :

Tot Ion:168 Resp: 1356718

Ion Ratio Lower Upper

168 100

99 48.5 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

600000

500000

400000

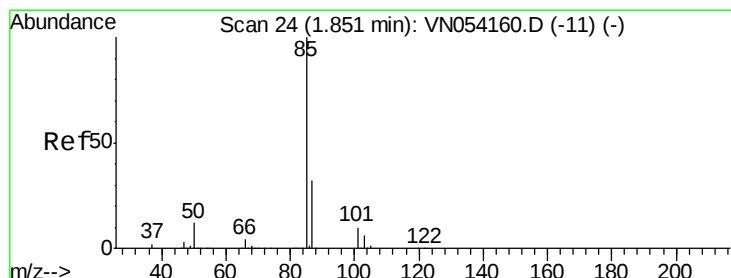
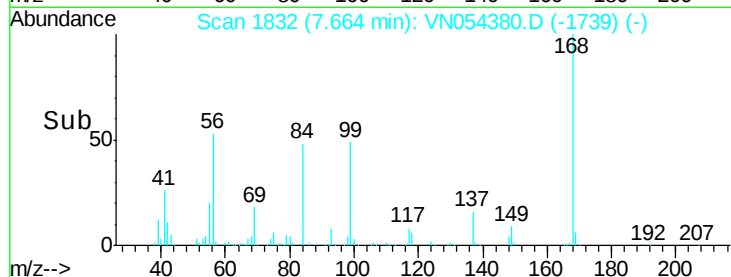
300000

200000

100000

0

Time--> 7.50 7.60 7.70 7.80 7.90



#2

Dichlorodifluoromethane

Concen: 48.632 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN054380.D

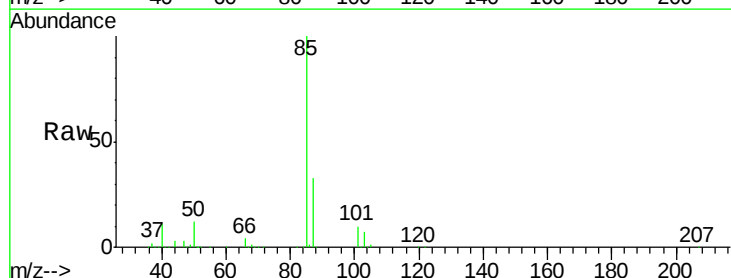
Acq: 18 Mar 2019 8:50

Tgt Ion: 85 Resp: 625320

Ion Ratio Lower Upper

85 100

87 33.0 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

500000

400000

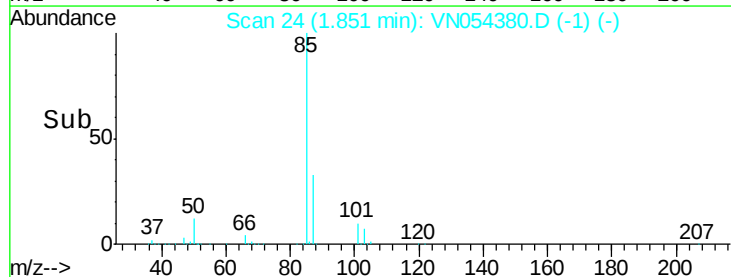
300000

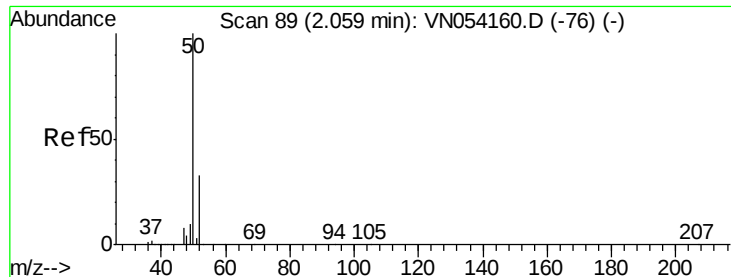
200000

100000

0

Time--> 1.80 1.90 2.00





#3

Chloromethane

Concen: 44.880 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN054380.D

Acq: 18 Mar 2019 8:50

Instrument :

MSVOA_N

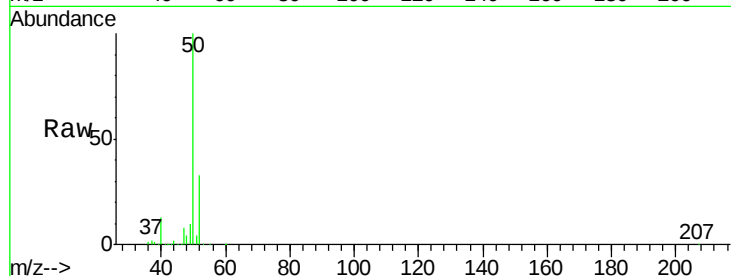
ClientSampled :

Tot Ion: 50 Resp: 560561

Ion Ratio Lower Upper

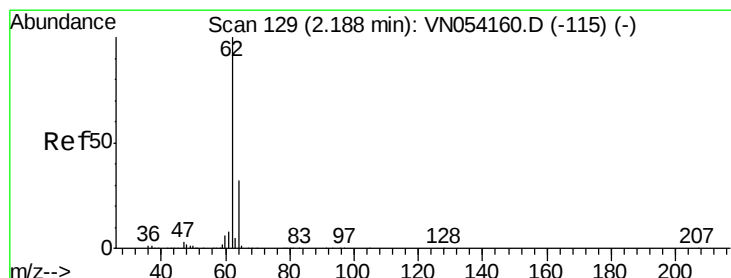
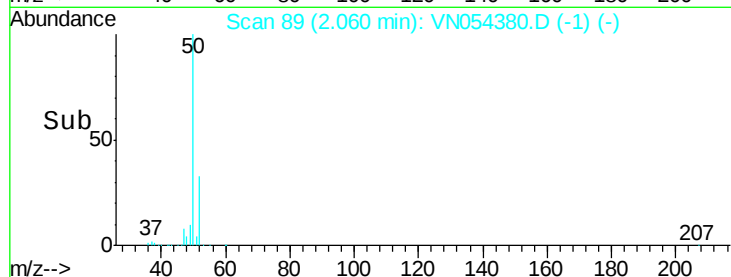
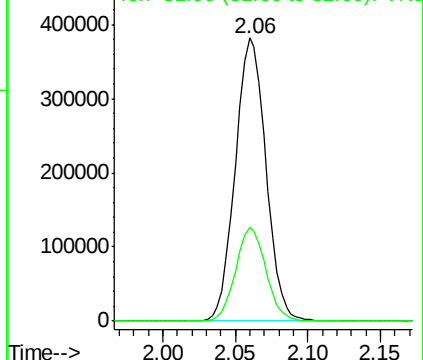
50 100

52 33.2 26.4 39.6



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 45.152 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN054380.D

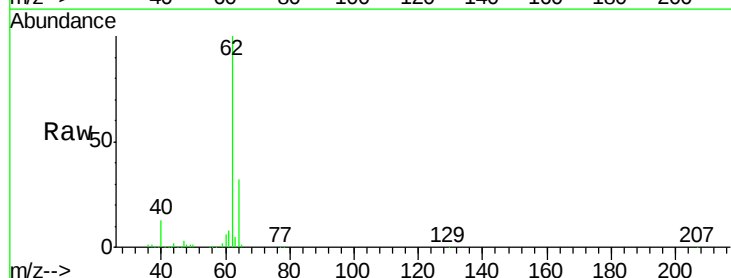
Acq: 18 Mar 2019 8:50

Tgt Ion: 62 Resp: 644581

Ion Ratio Lower Upper

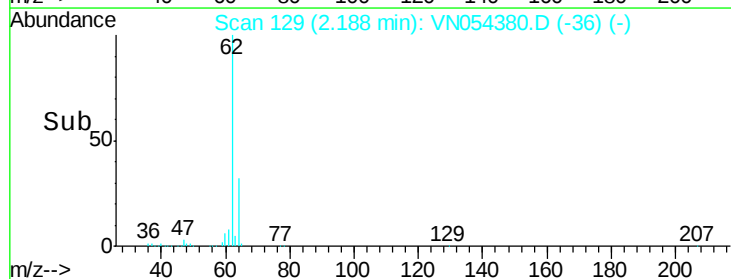
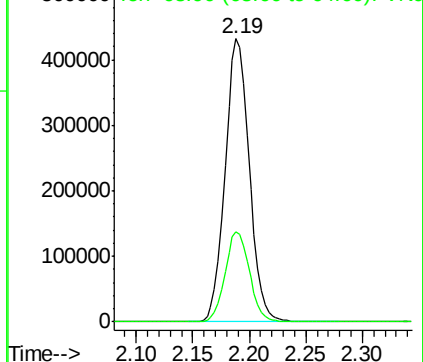
62 100

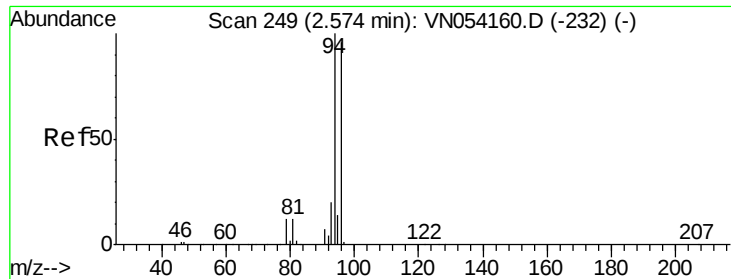
64 32.0 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 42.302 ug/l

RT: 2.57 min Scan# 248

Delta R.T. -0.00 min

Lab File: VN054380.D

Acq: 18 Mar 2019 8:50

Instrument :

MSVOA_N

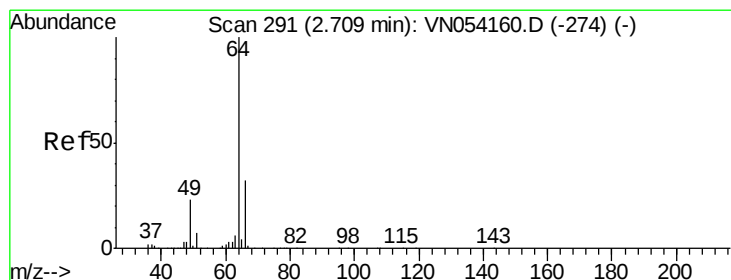
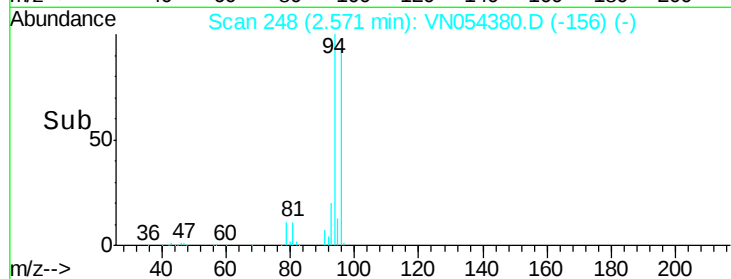
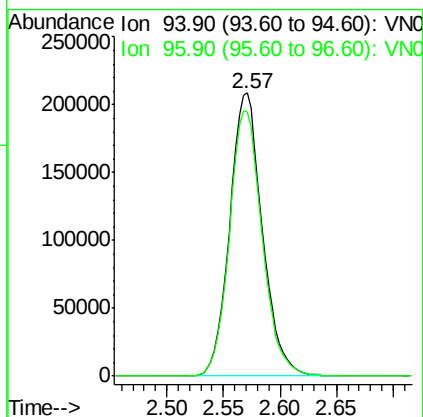
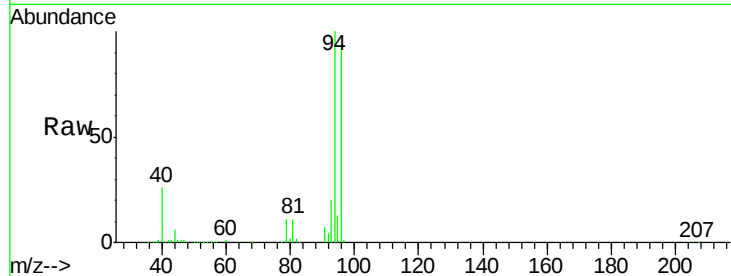
ClientSampleId :

Tot Ion: 94 Resp: 418255

Ion Ratio Lower Upper

94 100

96 93.3 77.0 115.4



#6

Chloroethane

Concen: 44.960 ug/l

RT: 2.71 min Scan# 290

Delta R.T. -0.00 min

Lab File: VN054380.D

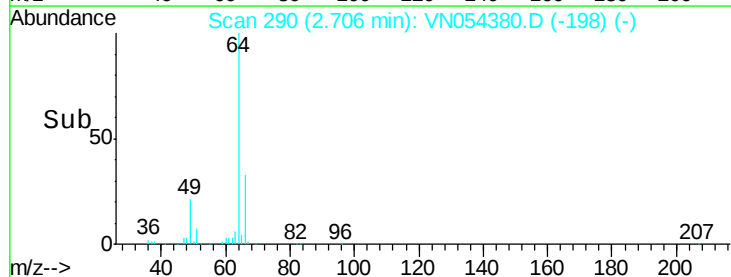
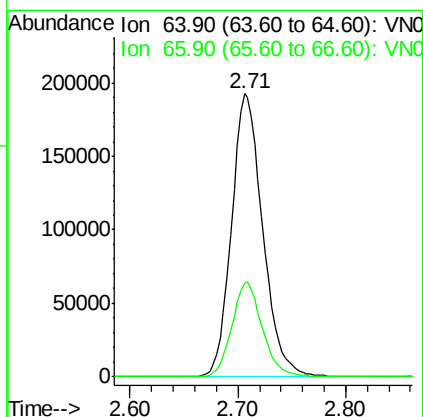
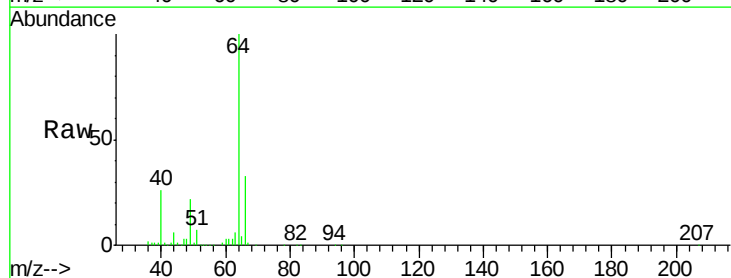
Acq: 18 Mar 2019 8:50

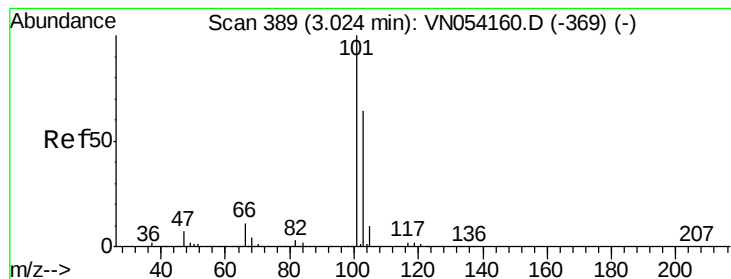
Tgt Ion: 64 Resp: 388346

Ion Ratio Lower Upper

64 100

66 33.2 25.7 38.5



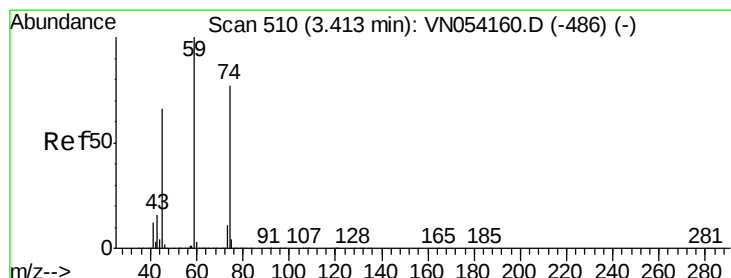
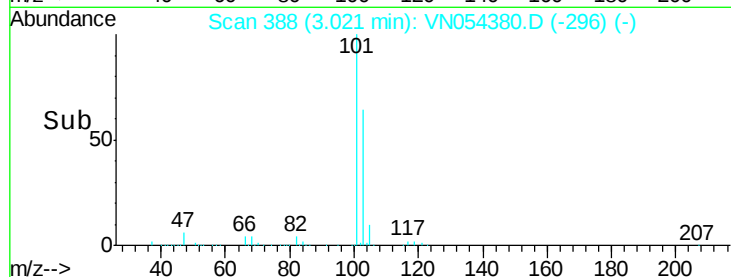
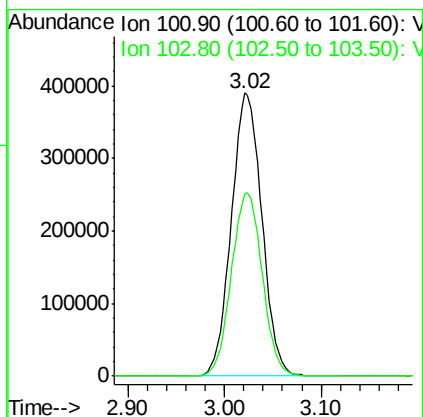
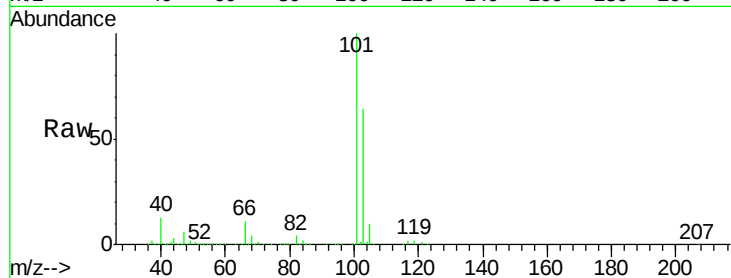


#7

Trichlorofluoromethane
 Concen: 45.096 ug/l
 RT: 3.02 min Scan# 388
 Delta R.T. -0.00 min
 Lab File: VN054380.D
 Acq: 18 Mar 2019 8:50

Instrument :
 MSVOA_N
 ClientSampled :

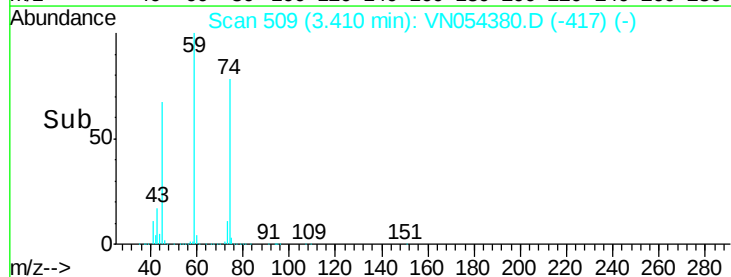
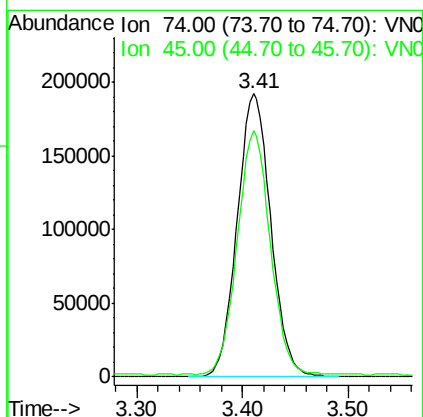
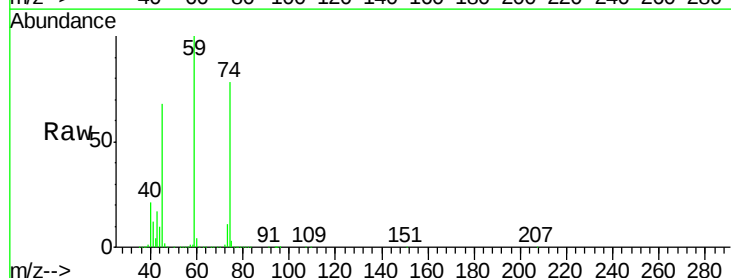
Tot Ion:101 Resp: 855928
 Ion Ratio Lower Upper
 101 100
 103 64.2 51.4 77.2

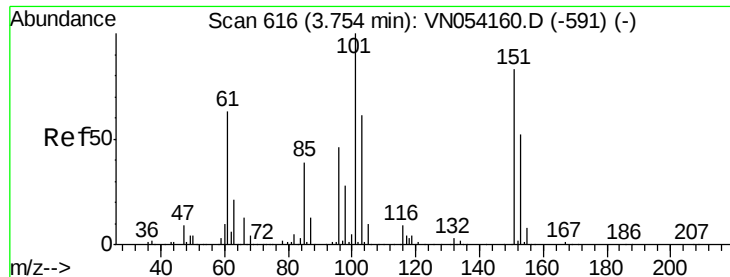


#8

Diethyl Ether
 Concen: 49.261 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN054380.D
 Acq: 18 Mar 2019 8:50

Tgt Ion: 74 Resp: 426071
 Ion Ratio Lower Upper
 74 100
 45 84.3 43.1 129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.553 ug/l

RT: 3.75 min Scan# 615

Delta R.T. -0.00 min

Lab File: VN054380.D

Acq: 18 Mar 2019 8:50

Instrument :

MSVOA_N

ClientSampleId :

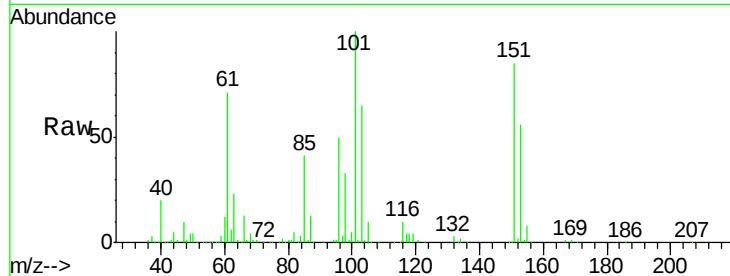
Tot Ion:101 Resp: 719017

Ion Ratio Lower Upper

101 100

85 41.0 32.4 48.6

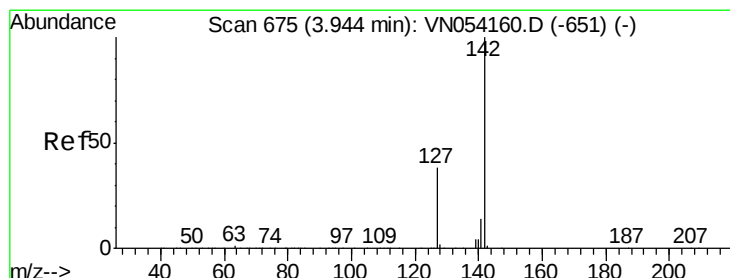
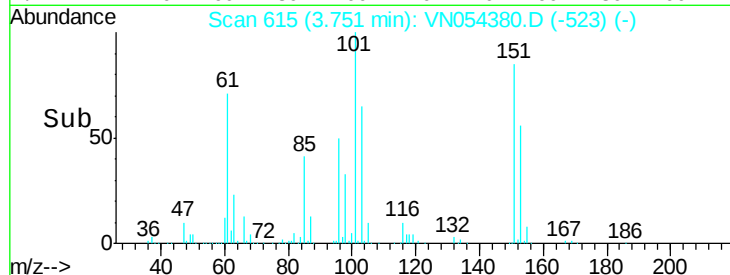
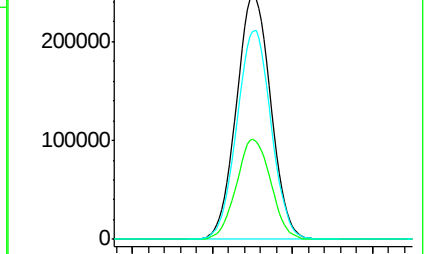
151 85.3 68.2 102.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 52.901 ug/l

RT: 3.94 min Scan# 675

Delta R.T. 0.00 min

Lab File: VN054380.D

Acq: 18 Mar 2019 8:50

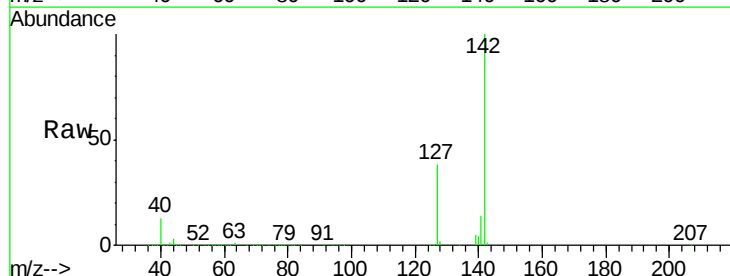
Tgt Ion:142 Resp: 1070342

Ion Ratio Lower Upper

142 100

127 37.6 30.3 45.5

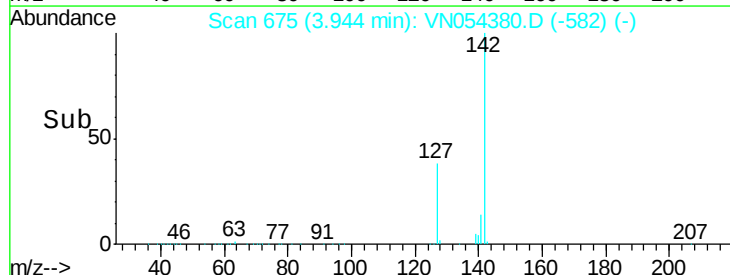
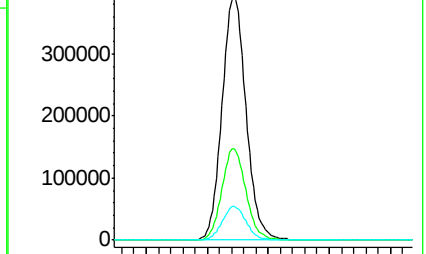
141 13.9 11.2 16.8

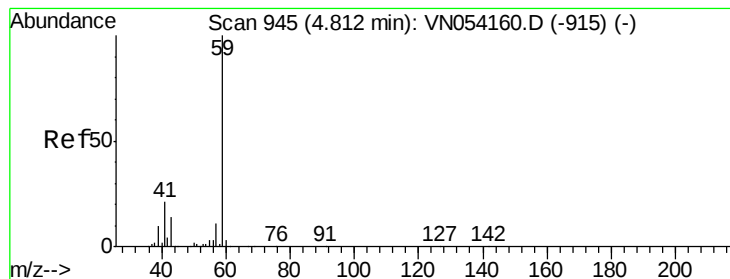


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



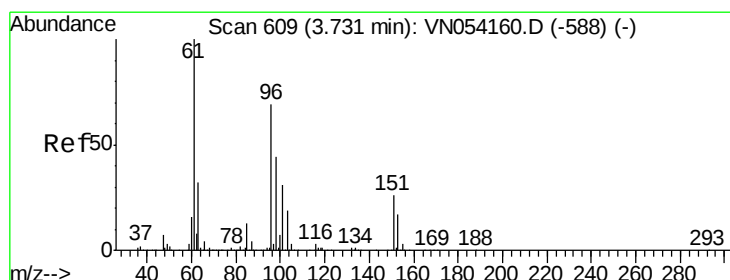
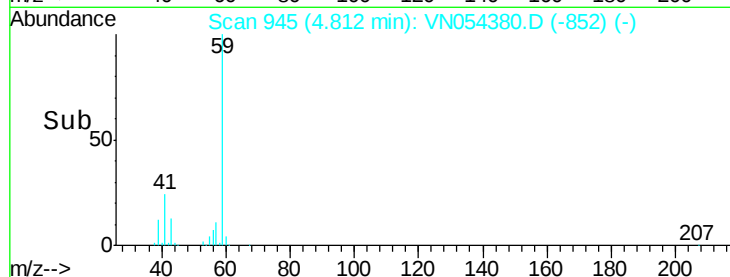
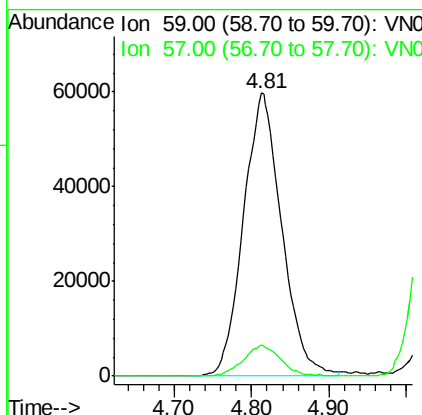
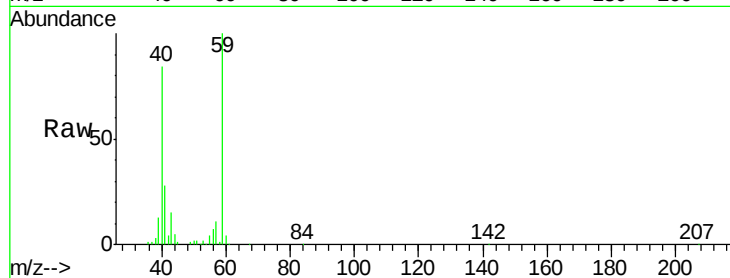


#11

Tert butyl alcohol
 Concen: 208.656 ug/l
 RT: 4.81 min Scan# 945
 Delta R.T. 0.00 min
 Lab File: VN054380.D
 Acq: 18 Mar 2019 8:50

Instrument :
 MSVOA_N
 ClientSampleId :

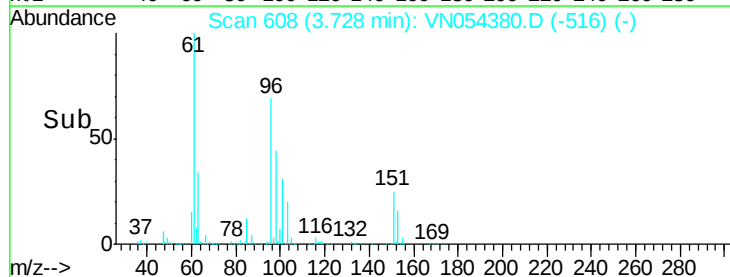
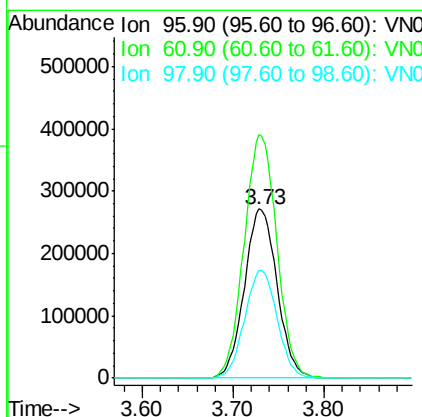
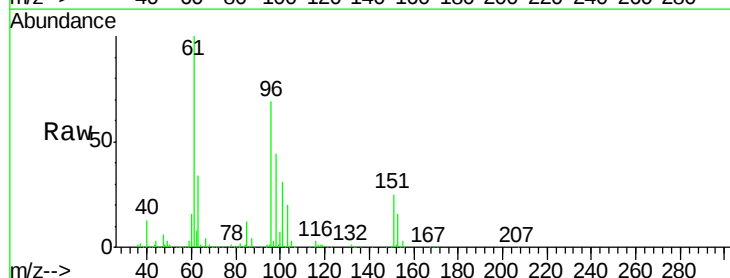
Tot Ion: 59 Resp: 206102
 Ion Ratio Lower Upper
 59 100
 57 10.5 9.0 13.6



#12

1,1-Dichloroethene
 Concen: 48.032 ug/l
 RT: 3.73 min Scan# 608
 Delta R.T. -0.00 min
 Lab File: VN054380.D
 Acq: 18 Mar 2019 8:50

Tgt Ion: 96 Resp: 676994
 Ion Ratio Lower Upper
 96 100
 61 144.1 116.5 174.7
 98 63.8 51.0 76.4





#13

Acrolein

Concen: 189.323 ug/l

RT: 3.60 min Scan# 569

Delta R.T. -0.00 min

Lab File: VN054380.D

Acq: 18 Mar 2019 8:50

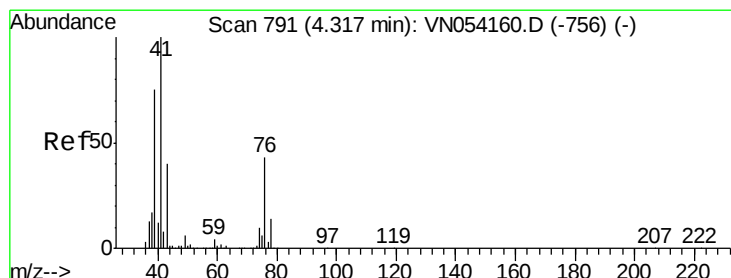
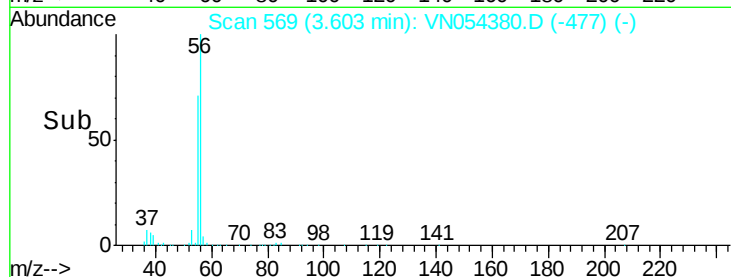
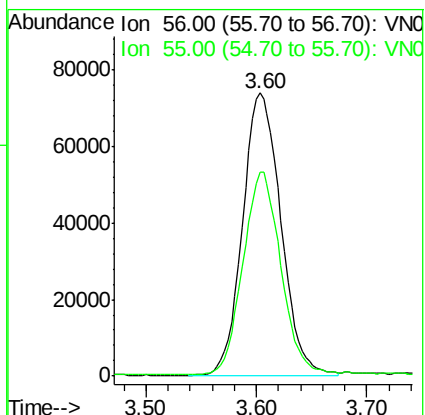
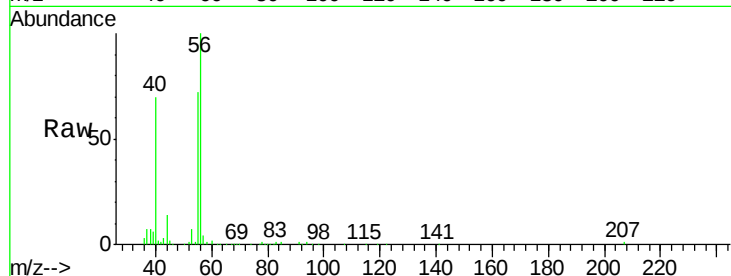
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 177204

Ion Ratio Lower Upper

56 100

55 71.4 56.7 85.1



#14

Allyl chloride

Concen: 48.585 ug/l

RT: 4.31 min Scan# 790

Delta R.T. -0.00 min

Lab File: VN054380.D

Acq: 18 Mar 2019 8:50

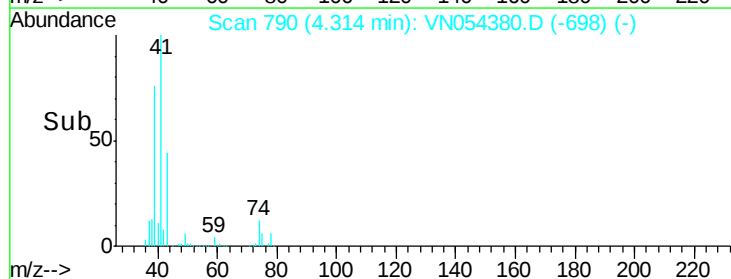
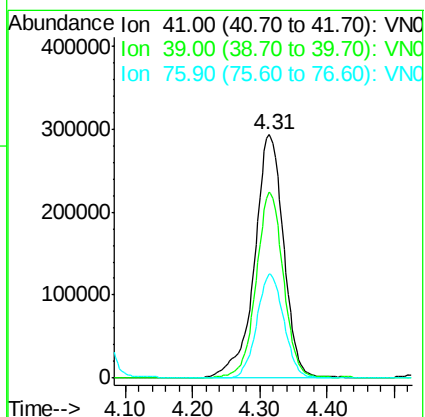
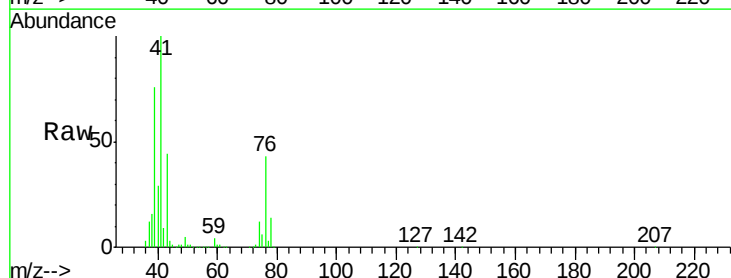
Tgt Ion: 41 Resp: 878620

Ion Ratio Lower Upper

41 100

39 71.2 58.2 87.4

76 39.4 31.7 47.5





#15

Acrylonitrile

Concen: 257.259 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN054380.D

Acq: 18 Mar 2019 8:50

Instrument :

MSVOA_N

ClientSampleId :

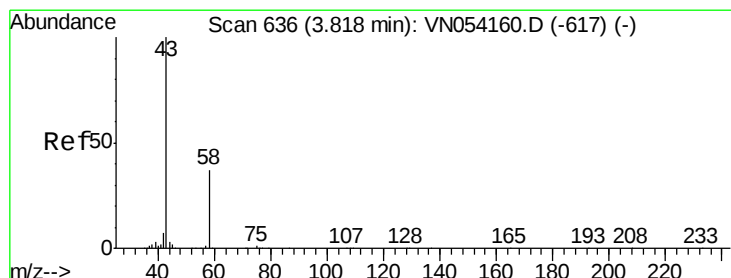
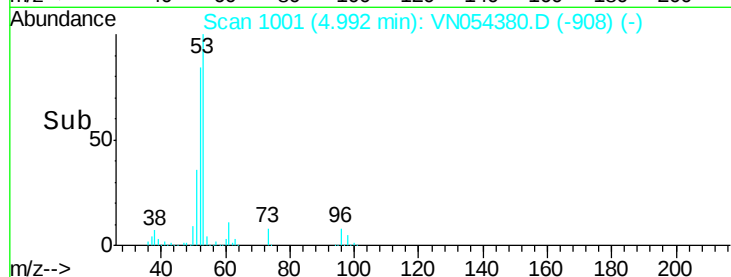
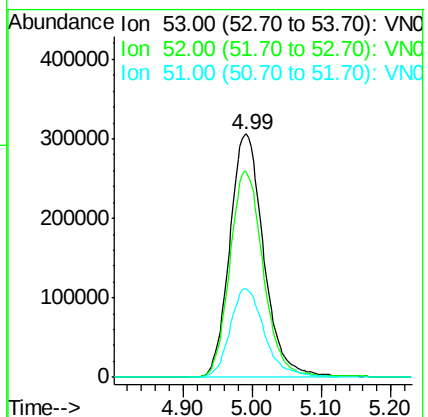
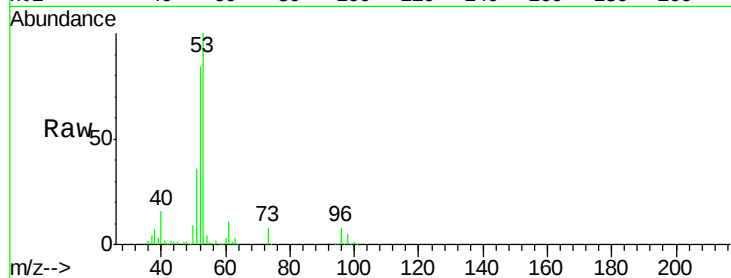
Tot Ion: 53 Resp: 1043804

Ion Ratio Lower Upper

53 100

52 83.9 66.4 99.6

51 37.2 29.6 44.4



#16

Acetone

Concen: 267.236 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN054380.D

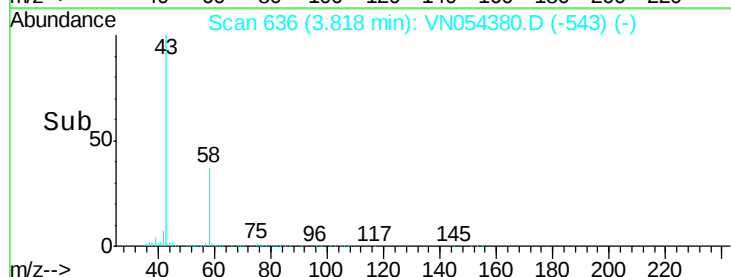
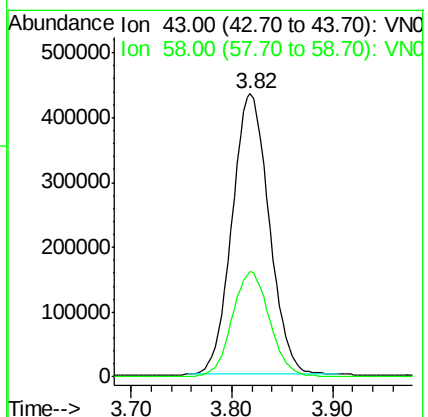
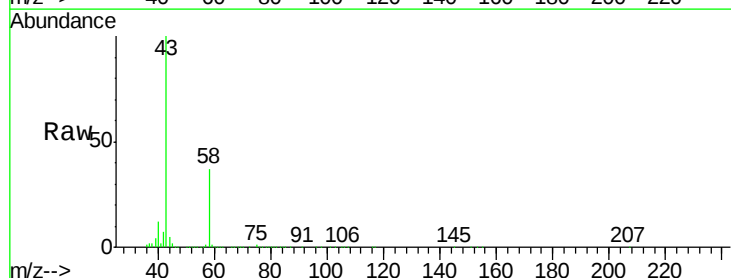
Acq: 18 Mar 2019 8:50

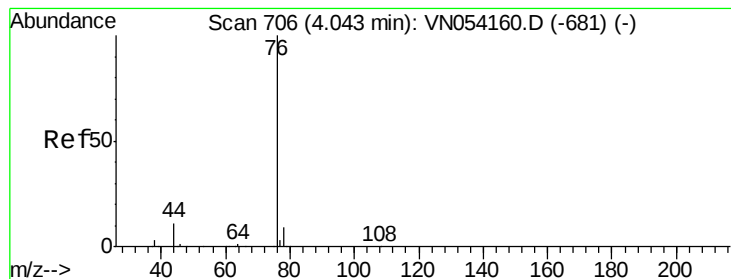
Tgt Ion: 43 Resp: 1102467

Ion Ratio Lower Upper

43 100

58 37.4 29.9 44.9





#17

Carbon Disulfide

Concen: 43.422 ug/l

RT: 4.04 min Scan# 705

Delta R.T. -0.00 min

Lab File: VN054380.D

Acq: 18 Mar 2019 8:50

Instrument :

MSVOA_N

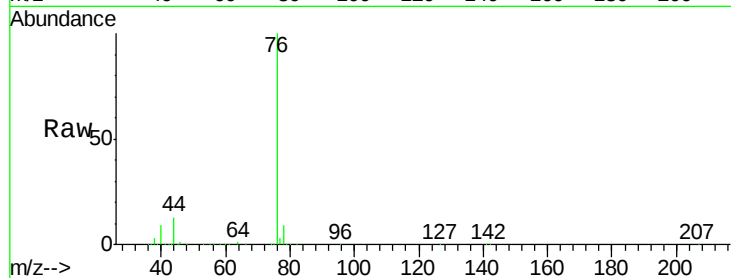
ClientSampled :

Tot Ion: 76 Resp: 1534234

Ion Ratio Lower Upper

76 100

78 9.2 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VN054160.D (-681) (-)

Ion 77.90 (77.60 to 78.60): VN054160.D (-681) (-)

4.04

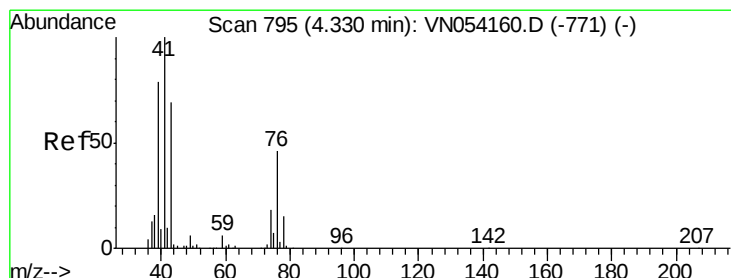
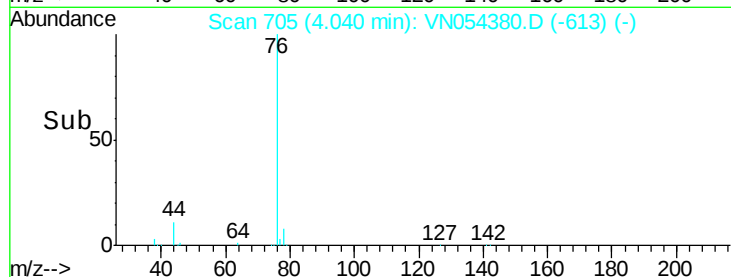
600000

400000

200000

0

Time-->



#18

Methyl Acetate

Concen: 58.771 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN054380.D

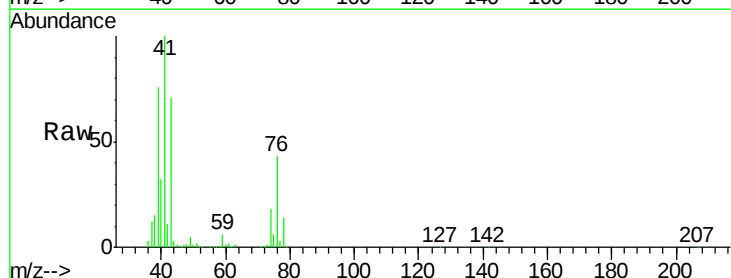
Acq: 18 Mar 2019 8:50

Tgt Ion: 43 Resp: 490535

Ion Ratio Lower Upper

43 100

74 26.4 20.8 31.2



Abundance Ion 43.00 (42.70 to 43.70): VN054160.D (-771) (-)

Ion 74.00 (73.70 to 74.70): VN054160.D (-771) (-)

4.33

200000

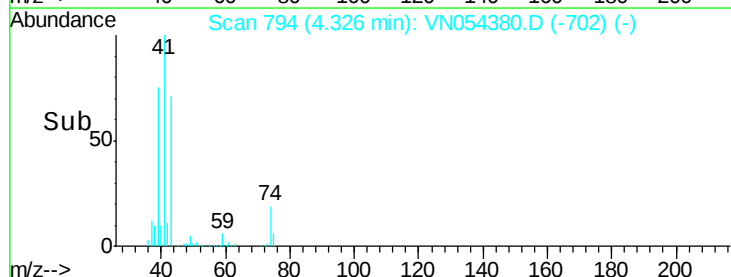
150000

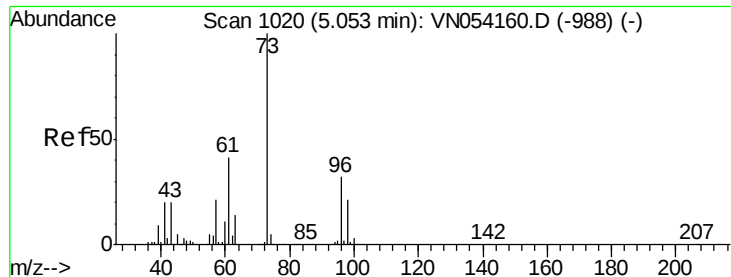
100000

50000

0

Time-->

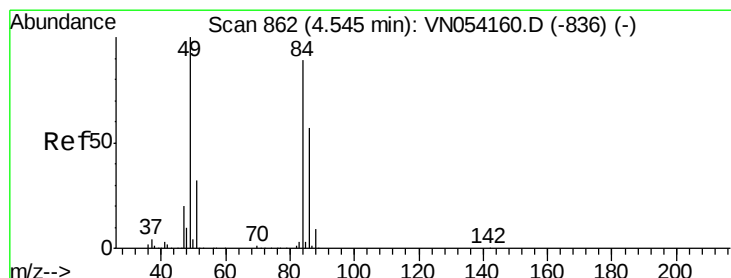
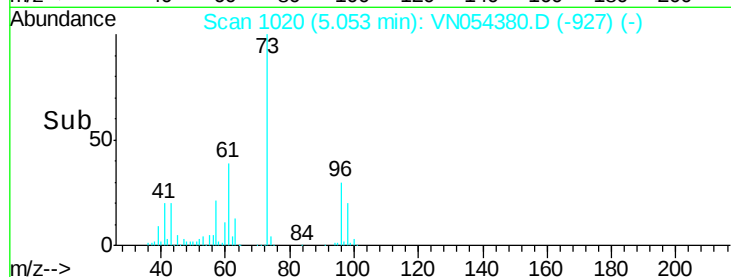
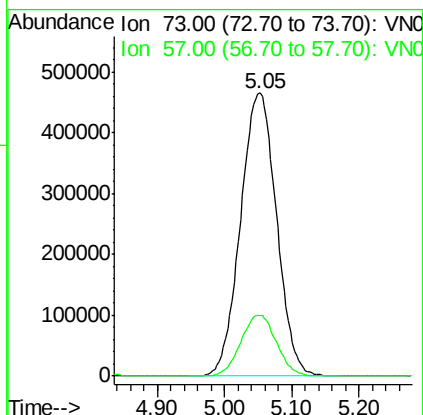
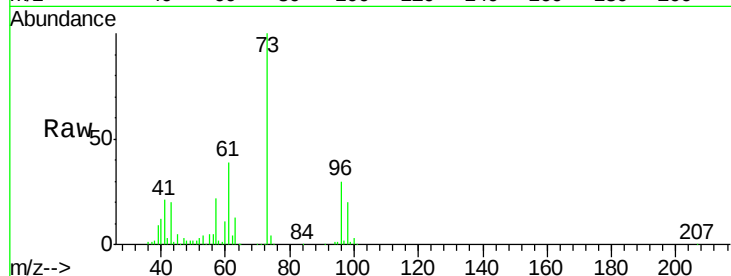




#19
Methyl tert-butyl Ether
Concen: 49.548 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VN054380.D
Acq: 18 Mar 2019 8:50

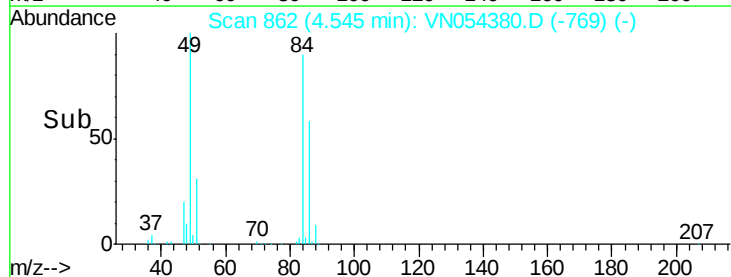
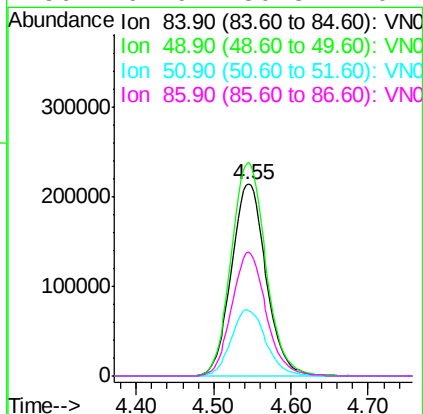
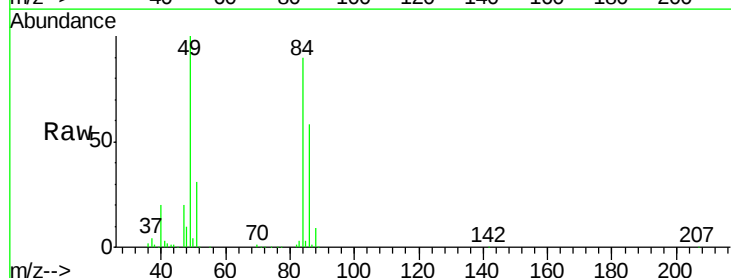
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 73 Resp: 1731042
Ion Ratio Lower Upper
73 100
57 21.5 16.8 25.2



#20
Methylene Chloride
Concen: 49.363 ug/l
RT: 4.55 min Scan# 862
Delta R.T. 0.00 min
Lab File: VN054380.D
Acq: 18 Mar 2019 8:50

Tgt Ion: 84 Resp: 668672
Ion Ratio Lower Upper
84 100
49 111.5 89.7 134.5
51 34.3 28.2 42.4
86 64.9 50.8 76.2

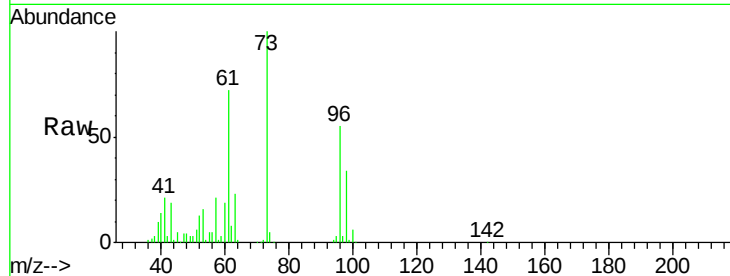




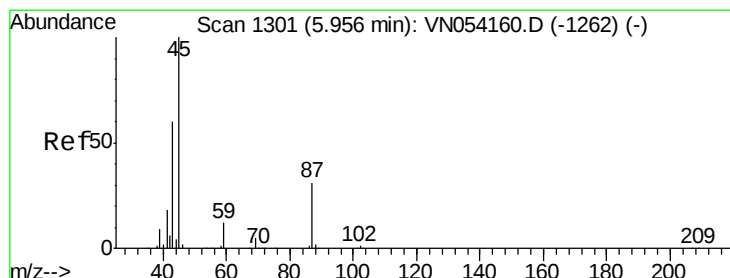
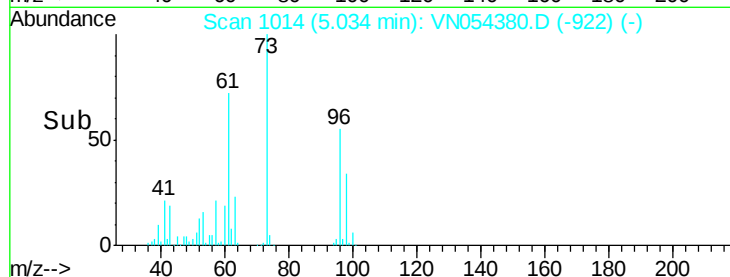
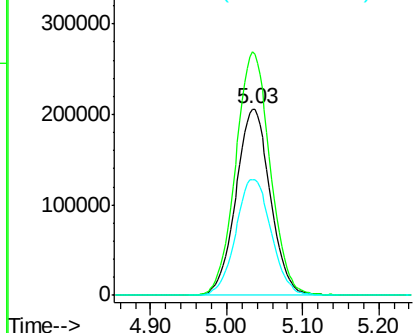
#21
trans-1,2-Dichloroethene
Concen: 47.955 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. -0.00 min
Lab File: VN054380.D
Acq: 18 Mar 2019 8:50

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 96 Resp: 647615
Ion Ratio Lower Upper
96 100
61 130.8 102.8 154.2
98 62.4 50.0 75.0

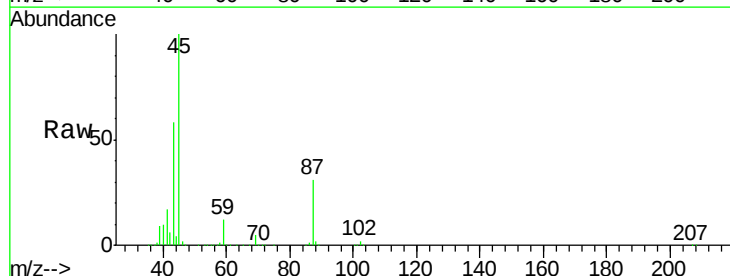


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

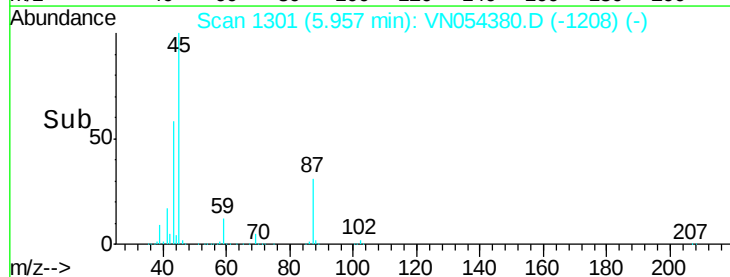
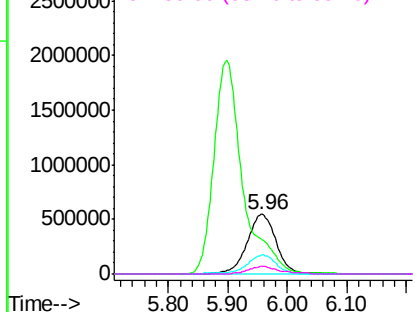


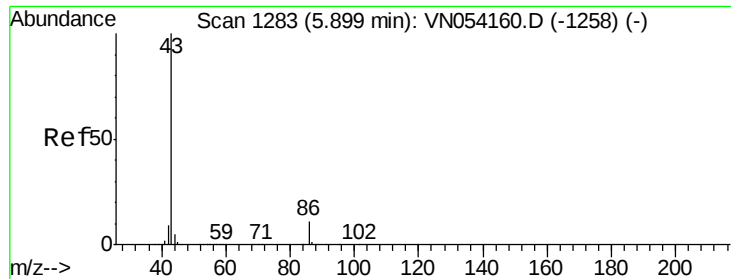
#22
Diisopropyl ether
Concen: 51.799 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN054380.D
Acq: 18 Mar 2019 8:50

Tgt Ion: 45 Resp: 1869578
Ion Ratio Lower Upper
45 100
43 57.1 48.2 72.2
87 30.9 24.9 37.3
59 12.2 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

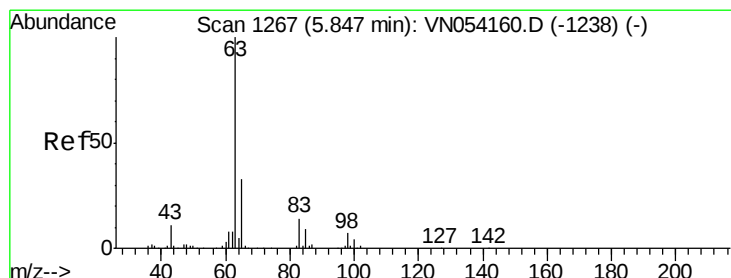
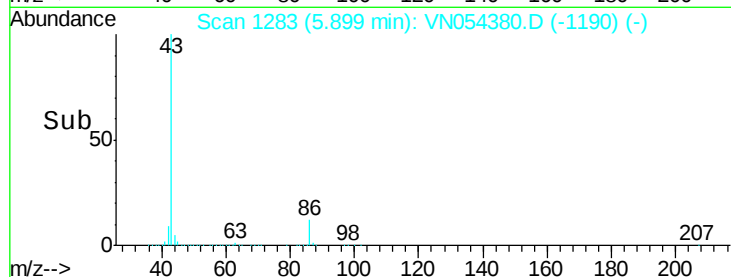
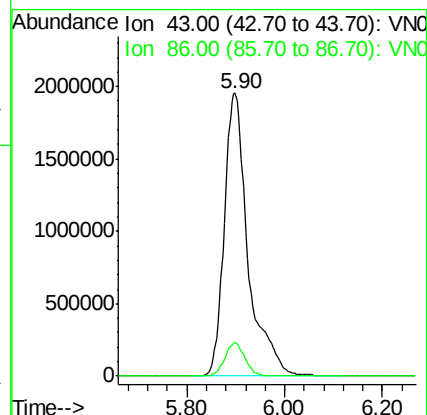
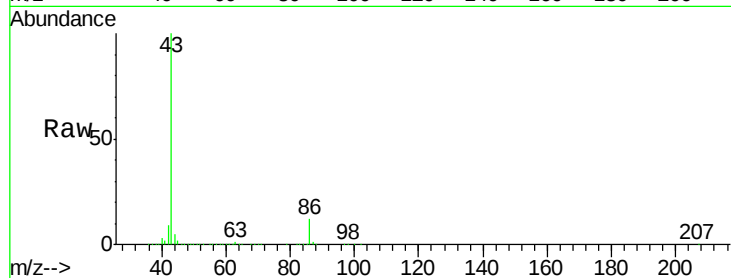




#23
 Vinyl Acetate
 Concen: 248.654 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VN054380.D
 Acq: 18 Mar 2019 8:50

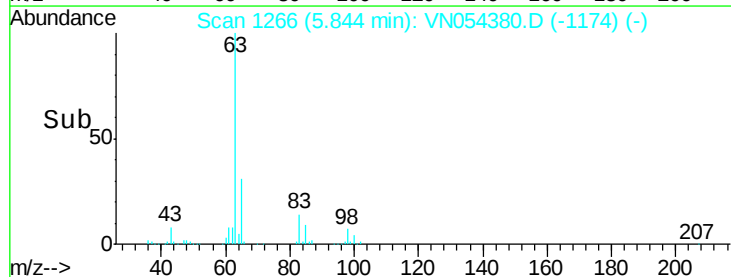
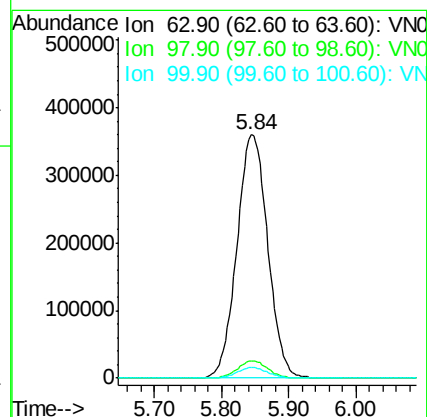
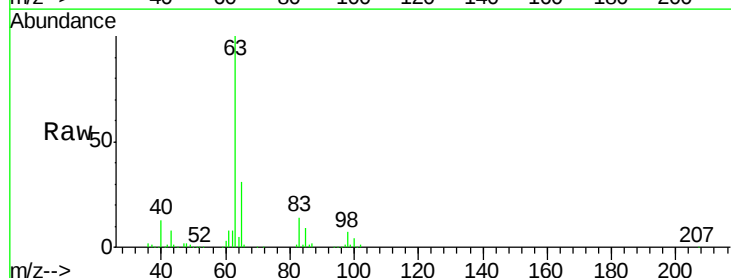
Instrument :
 MSVOA_N
 ClientSampled :

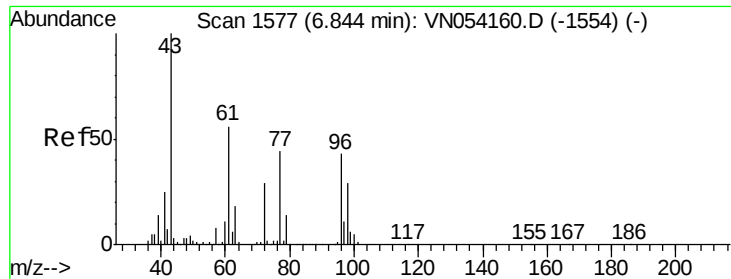
Tot Ion: 43 Resp: 6617037
 Ion Ratio Lower Upper
 43 100
 86 11.8 9.1 13.7



#24
 1,1-Dichloroethane
 Concen: 49.483 ug/l
 RT: 5.84 min Scan# 1266
 Delta R.T. -0.00 min
 Lab File: VN054380.D
 Acq: 18 Mar 2019 8:50

Tgt Ion: 63 Resp: 1146749
 Ion Ratio Lower Upper
 63 100
 98 7.2 3.5 10.5
 100 4.4 2.0 6.0





#25

2-Butanone

Concen: 276.434 ug/l

RT: 6.84 min Scan# 1577

Delta R.T. 0.00 min

Lab File: VN054380.D

Acq: 18 Mar 2019 8:50

Instrument :

MSVOA_N

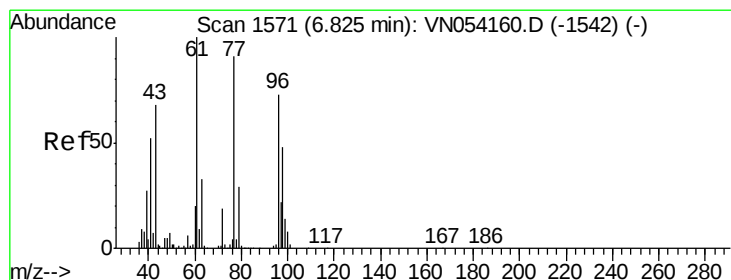
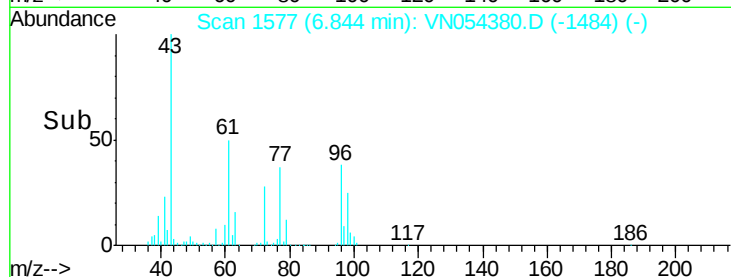
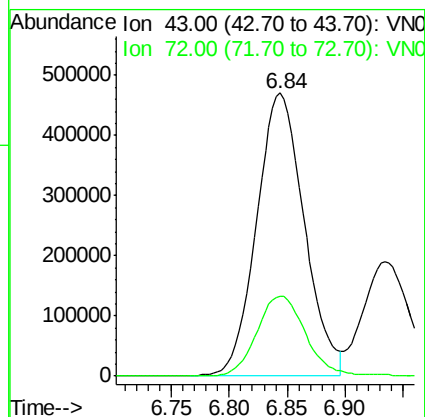
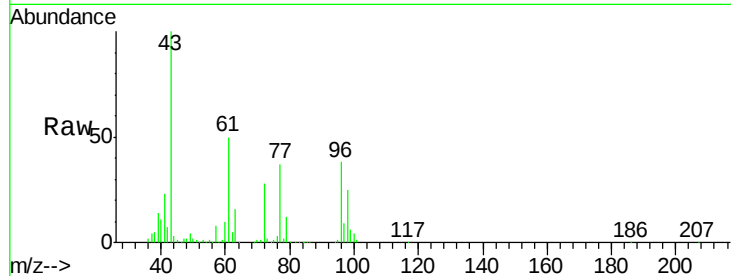
ClientSampleId :

Tot Ion: 43 Resp: 1338496

Ion Ratio Lower Upper

43 100

72 28.4 23.0 34.6



#26

2,2-Dichloropropane

Concen: 45.834 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. -0.00 min

Lab File: VN054380.D

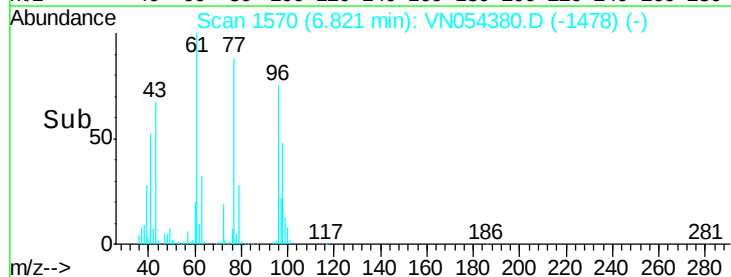
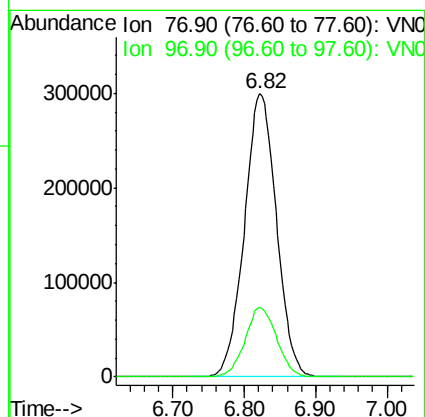
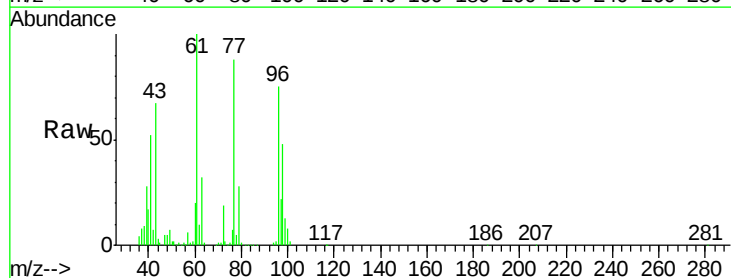
Acq: 18 Mar 2019 8:50

Tgt Ion: 77 Resp: 934076

Ion Ratio Lower Upper

77 100

97 24.2 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 50.316 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN054380.D

Acq: 18 Mar 2019 8:50

Instrument :
MSVOA_N
ClientSampleId :

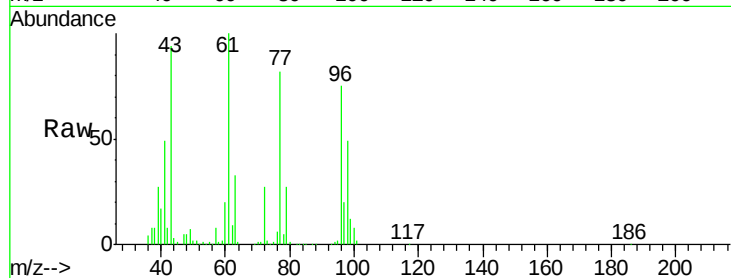
Tot Ion: 96 Resp: 758055

Ion Ratio Lower Upper

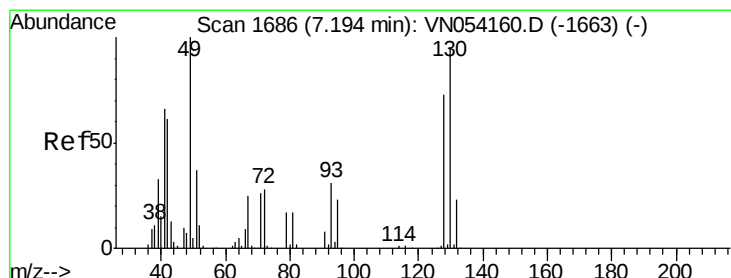
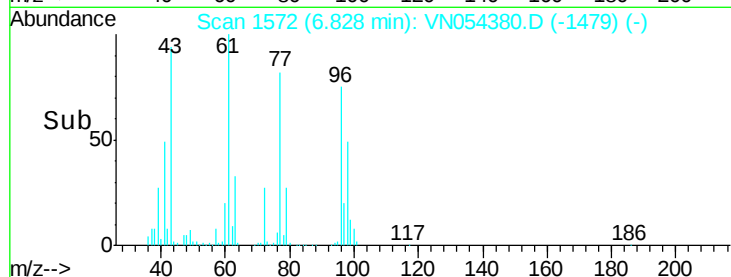
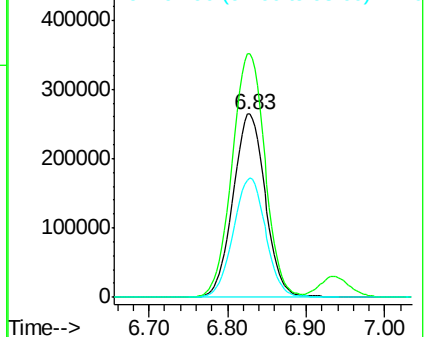
96 100

61 135.7 0.0 273.0

98 65.5 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: 50.377 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN054380.D

Acq: 18 Mar 2019 8:50

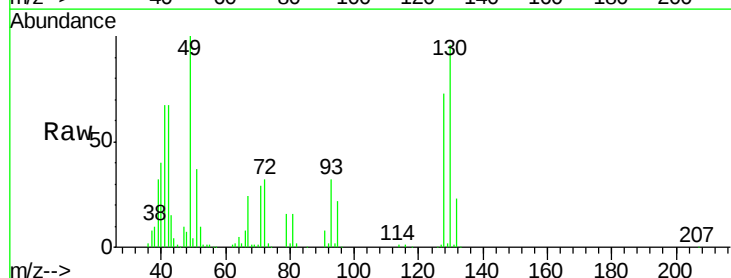
Tgt Ion: 49 Resp: 477267

Ion Ratio Lower Upper

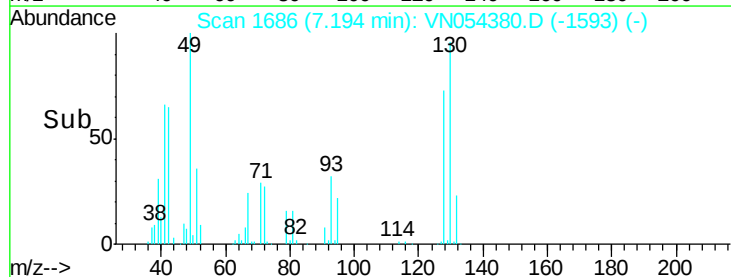
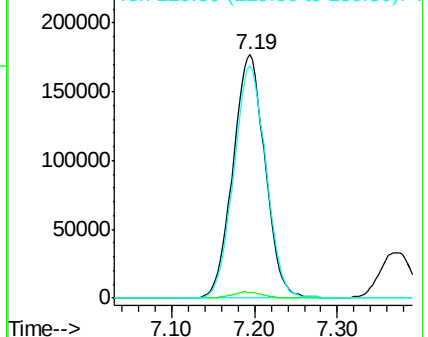
49 100

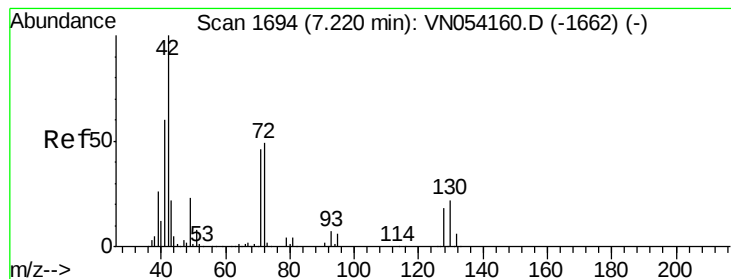
129 2.4 0.0 4.6

130 95.8 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: 251.170 ug/l

RT: 7.22 min Scan# 1693

Delta R.T. -0.00 min

Lab File: VN054380.D

Acq: 18 Mar 2019 8:50

Instrument :
MSVOA_N
ClientSampled :

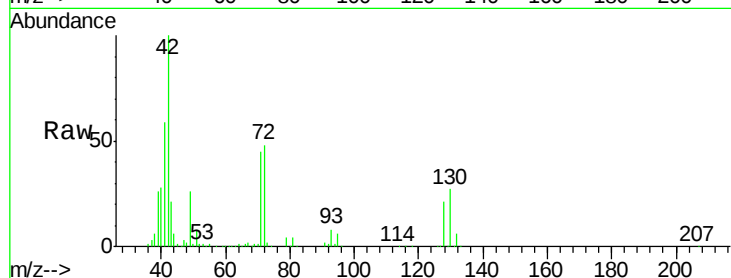
Tot Ion: 42 Resp: 781951

Ion Ratio Lower Upper

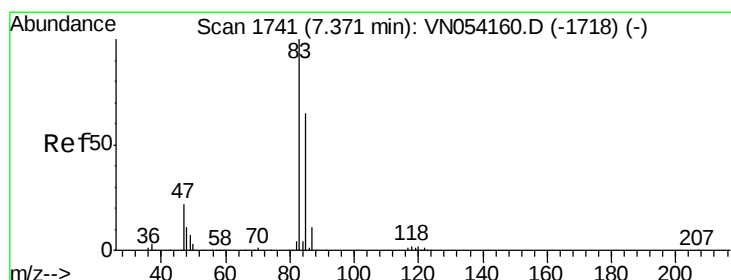
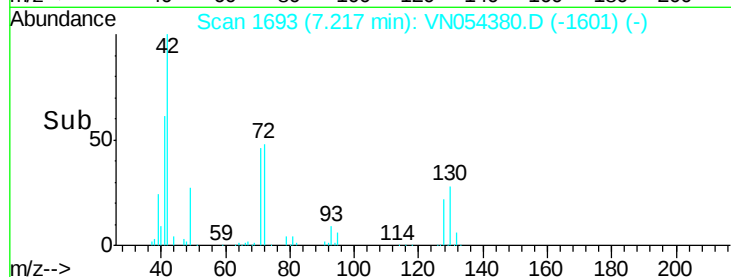
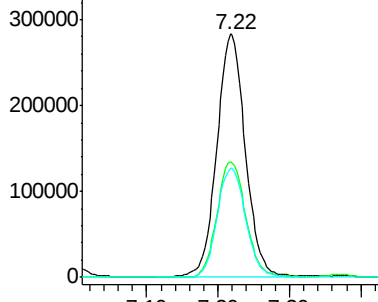
42 100

72 47.9 37.8 56.6

71 45.2 36.2 54.2



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



#30

Chloroform

Concen: 50.924 ug/l

RT: 7.37 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VN054380.D

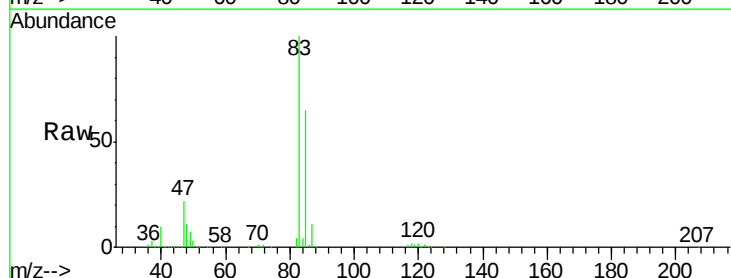
Acq: 18 Mar 2019 8:50

Tgt Ion: 83 Resp: 1231466

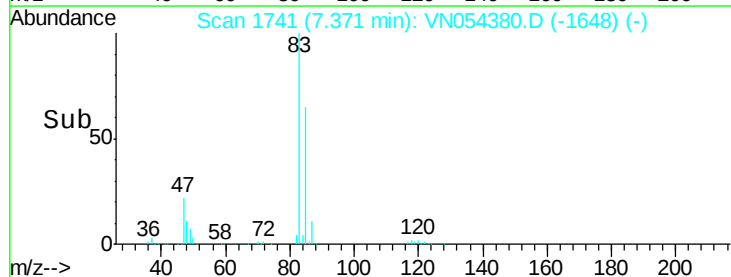
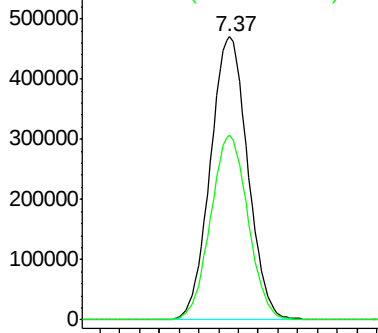
Ion Ratio Lower Upper

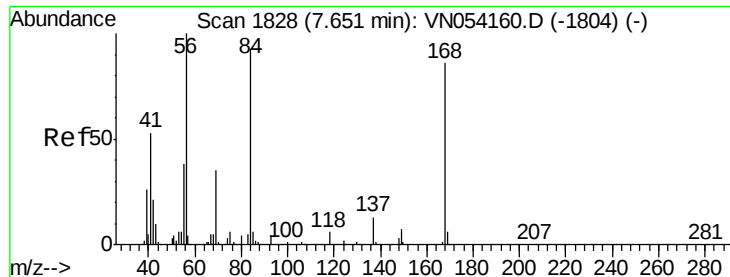
83 100

85 65.3 52.2 78.4



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

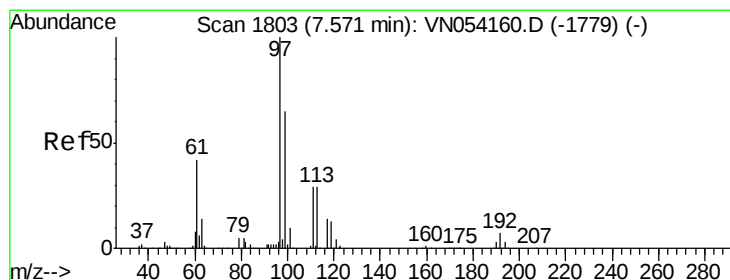
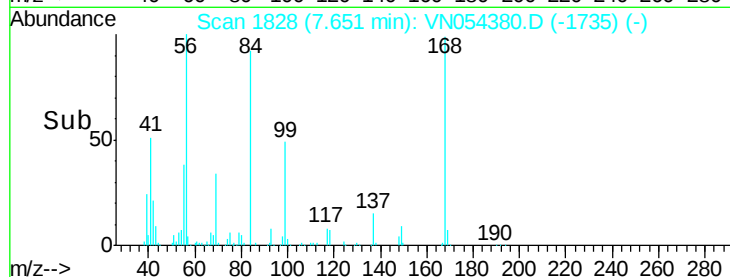
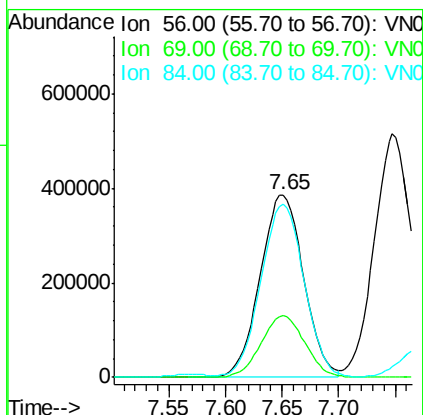
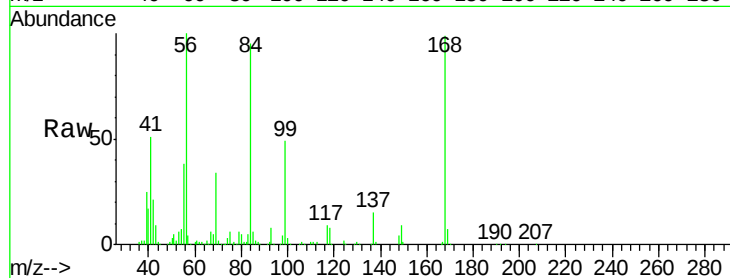




#31
Cyclohexane
Concen: 47.375 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN054380.D
Acq: 18 Mar 2019 8:50

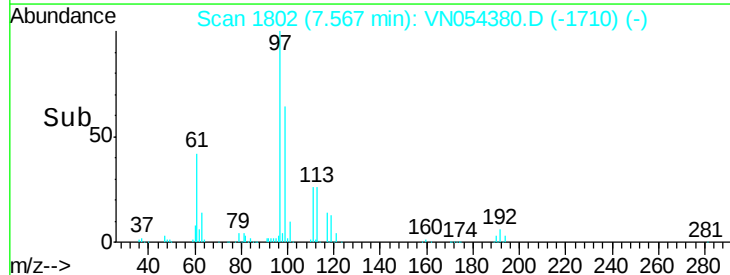
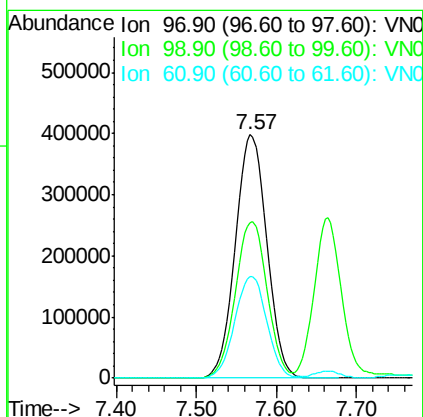
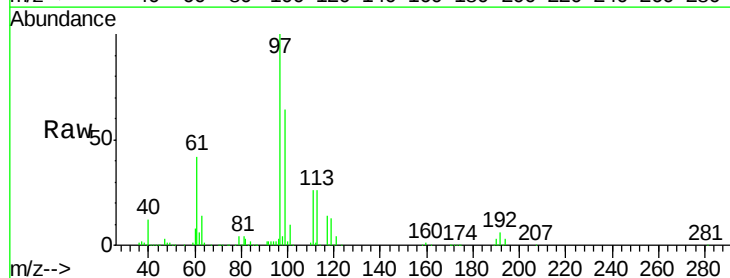
Instrument :
MSVOA_N
ClientSampled :

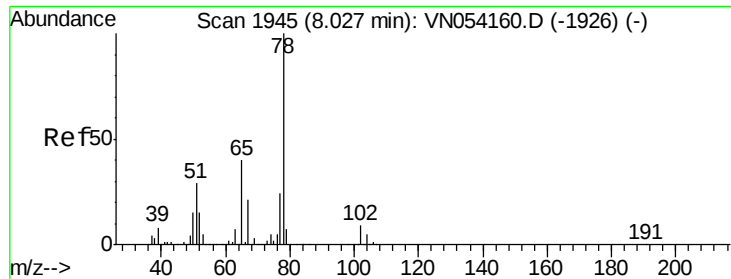
Tot Ion: 56 Resp: 1027834
Ion Ratio Lower Upper
56 100
69 34.0 27.8 41.6
84 93.1 74.6 111.8



#32
1,1,1-Trichloroethane
Concen: 48.521 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. -0.00 min
Lab File: VN054380.D
Acq: 18 Mar 2019 8:50

Tgt Ion: 97 Resp: 1059698
Ion Ratio Lower Upper
97 100
99 64.9 51.5 77.3
61 42.3 33.6 50.4

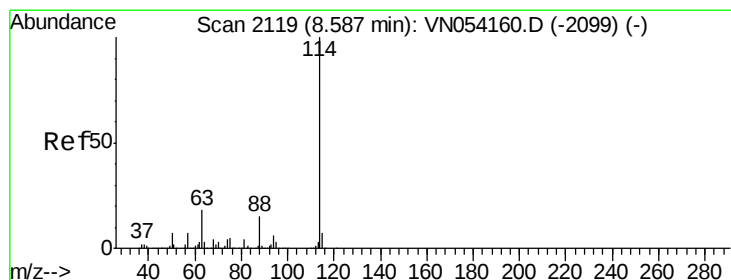
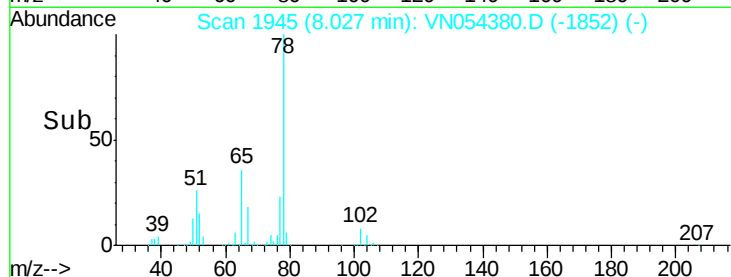
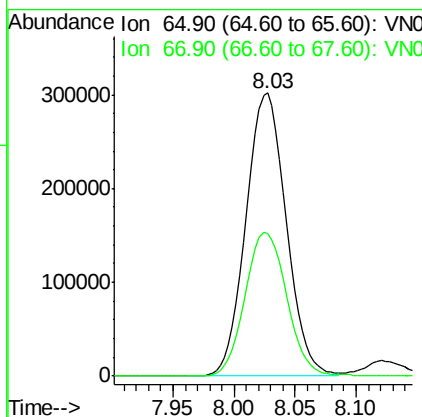
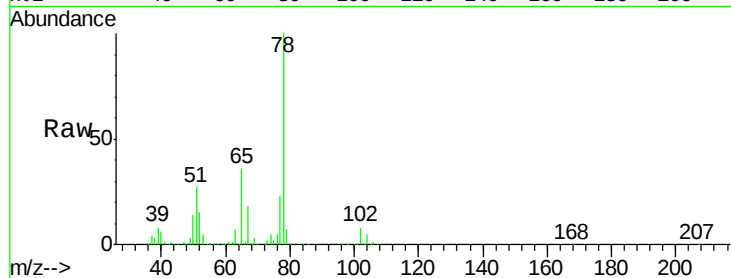




#33
 1,2-Dichloroethane-d4
 Concen: 47.996 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN054380.D
 Acq: 18 Mar 2019 8:50

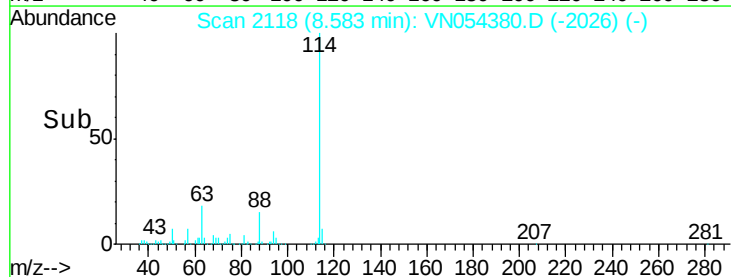
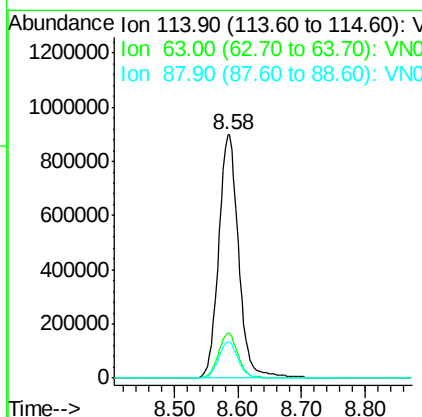
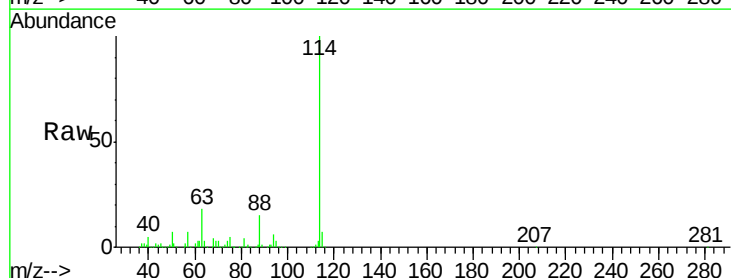
Instrument :
 MSVOA_N
 ClientSampleId :

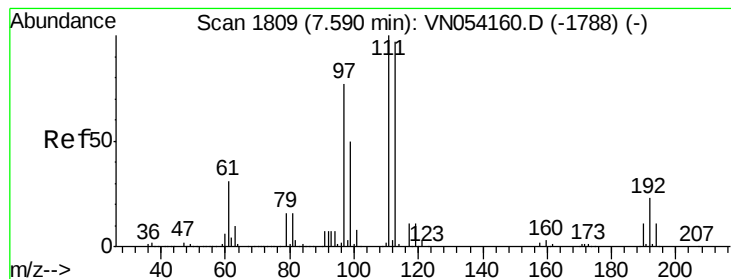
Tot Ion: 65 Resp: 691541
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN054380.D
 Acq: 18 Mar 2019 8:50

Tgt Ion: 114 Resp: 1953665
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 35.2
 88 14.9 0.0 30.2





#35

Dibromofluoromethane

Concen: 51.330 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN054380.D

Acq: 18 Mar 2019 8:50

Instrument :
MSVOA_N
ClientSampled :

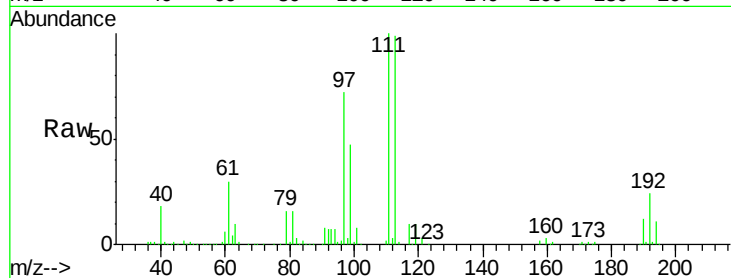
Tot Ion:113 Resp: 646774

Ion Ratio Lower Upper

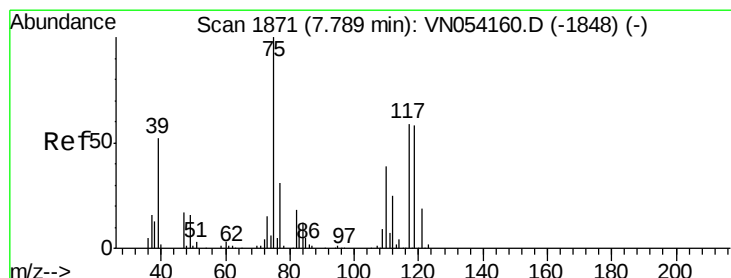
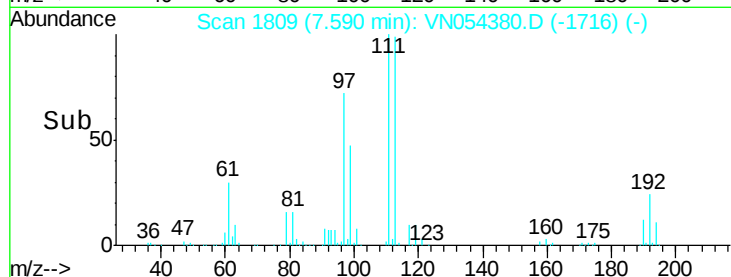
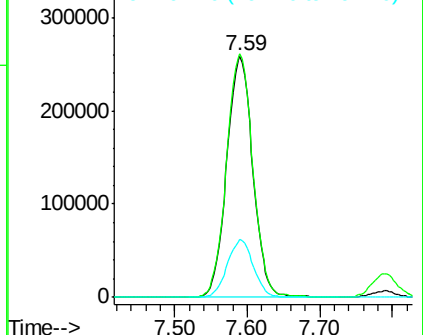
113 100

111 102.1 82.2 123.4

192 23.8 19.2 28.8



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



#36

1,1-Dichloropropene

Concen: 51.986 ug/l

RT: 7.79 min Scan# 1871

Delta R.T. 0.00 min

Lab File: VN054380.D

Acq: 18 Mar 2019 8:50

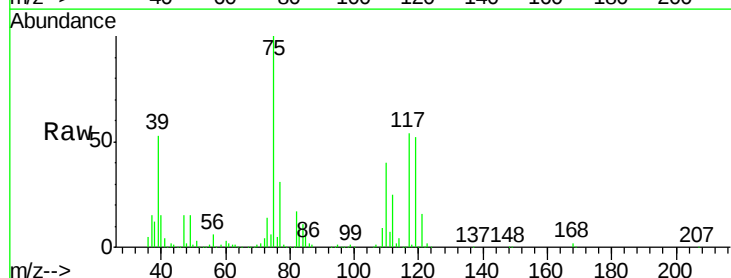
Tgt Ion: 75 Resp: 935303

Ion Ratio Lower Upper

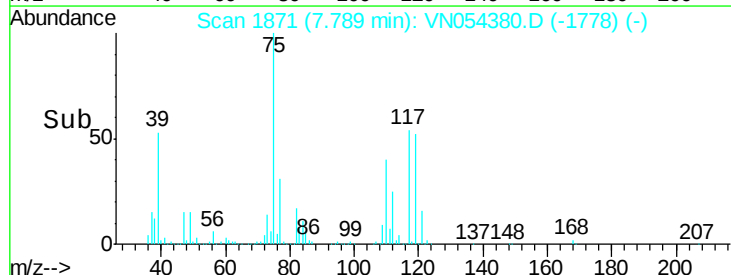
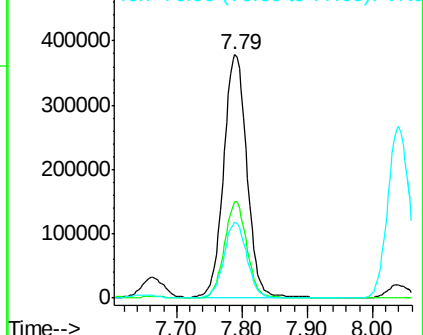
75 100

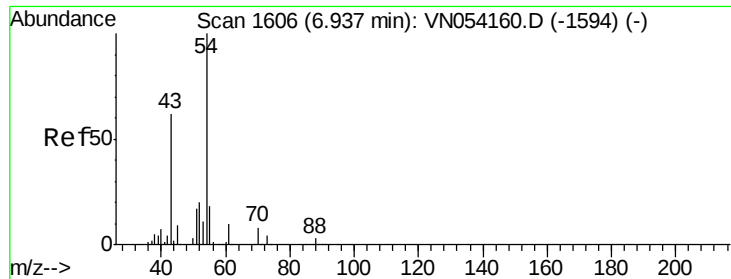
110 38.3 19.1 57.5

77 31.0 25.0 37.4



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

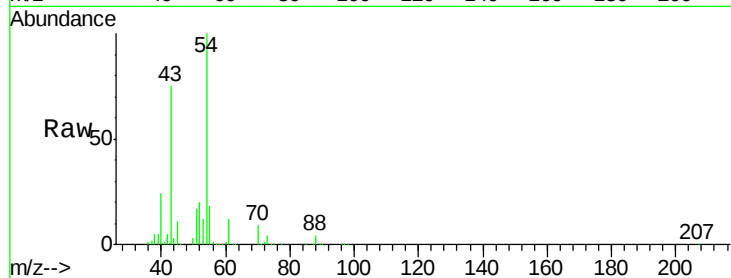




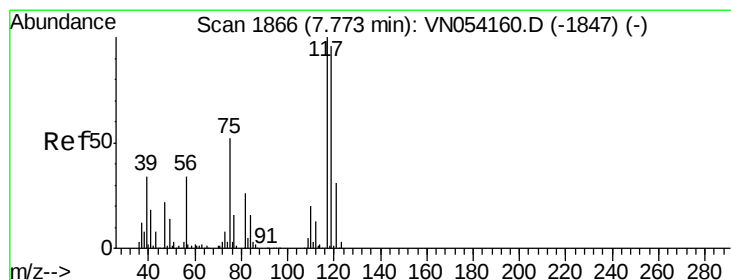
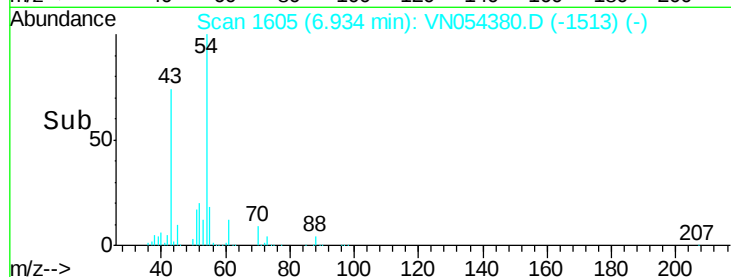
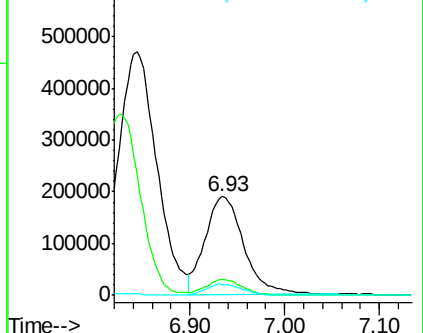
#37
Ethyl Acetate
Concen: 52.162 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. -0.00 min
Lab File: VN054380.D
Acq: 18 Mar 2019 8:50

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 539240
Ion Ratio Lower Upper
43 100
61 14.5 11.8 17.6
70 10.9 8.4 12.6

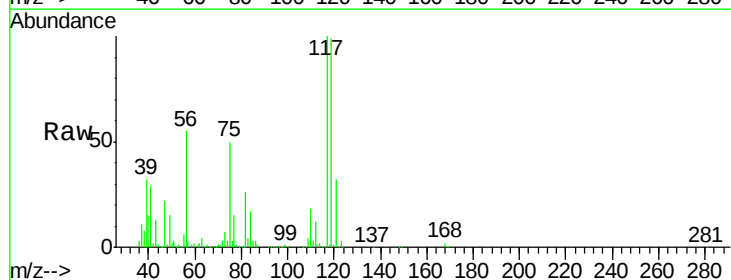


Abundance Ion 43.00 (42.70 to 43.70): VN054380.D (-1594) (-)
Ion 60.90 (60.60 to 61.60): VN054380.D (-1594) (-)
Ion 70.00 (69.70 to 70.70): VN054380.D (-1594) (-)

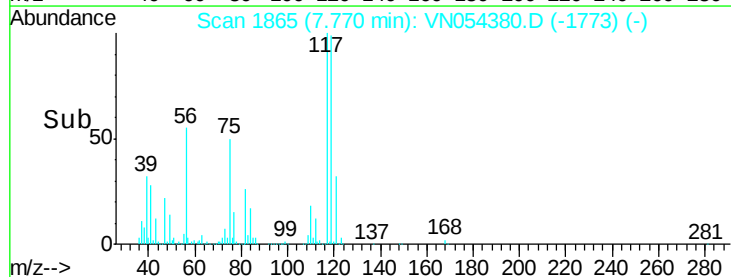
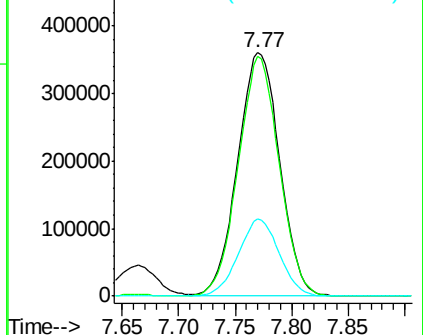


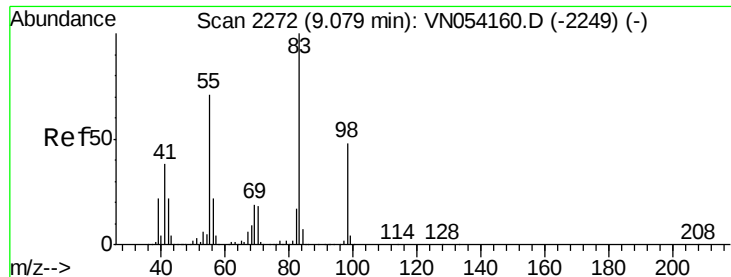
#38
Carbon Tetrachloride
Concen: 49.174 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN054380.D
Acq: 18 Mar 2019 8:50

Tgt Ion: 117 Resp: 927790
Ion Ratio Lower Upper
117 100
119 98.8 76.3 114.5
121 31.6 24.6 36.8



Abundance Ion 116.80 (116.50 to 117.50): VN054380.D (-1773) (-)
Ion 118.80 (118.50 to 119.50): VN054380.D (-1773) (-)
Ion 120.80 (120.50 to 121.50): VN054380.D (-1773) (-)

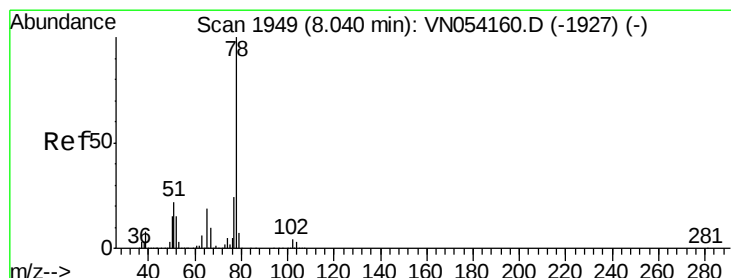
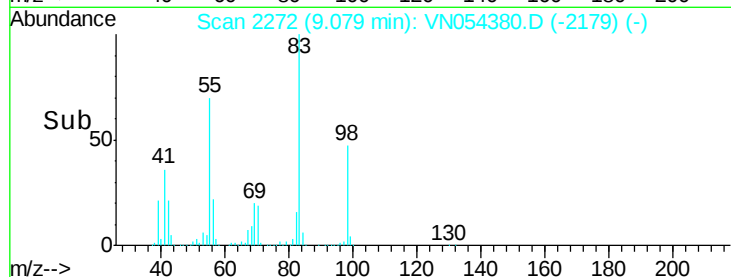
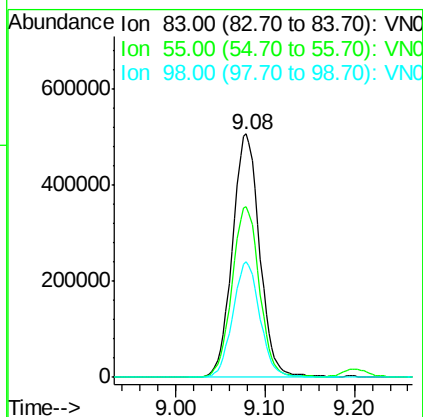
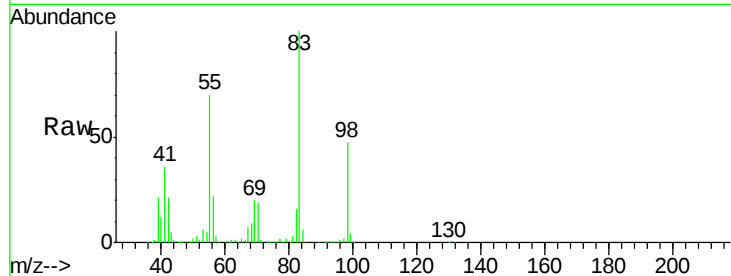




#39
Methvlcvclohexane
Concen: 48.548 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN054380.D
Acq: 18 Mar 2019 8:50

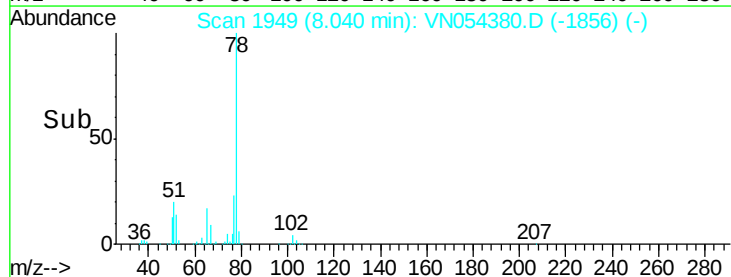
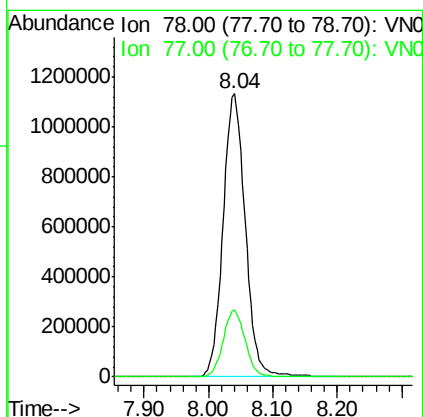
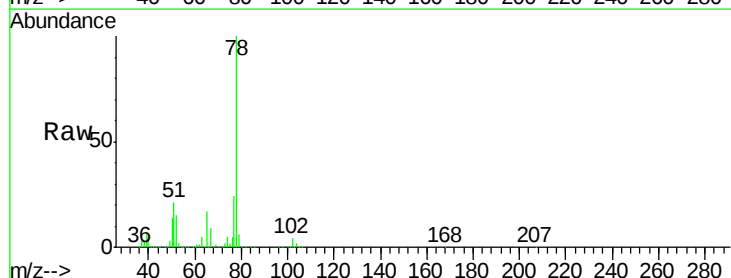
Instrument :
MSVOA_N
ClientSampleId :

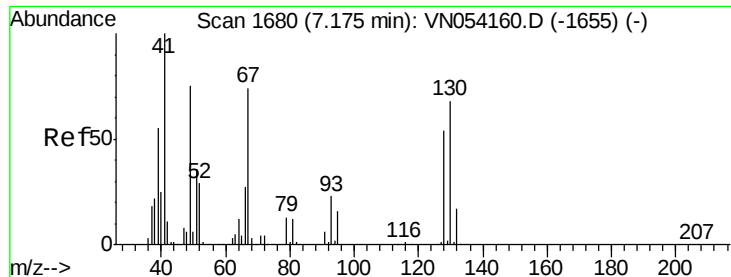
Tot Ion: 83 Resp: 1074685
Ion Ratio Lower Upper
83 100
55 70.1 56.6 84.8
98 47.5 38.4 57.6



#40
Benzene
Concen: 52.872 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN054380.D
Acq: 18 Mar 2019 8:50

Tgt Ion: 78 Resp: 2722124
Ion Ratio Lower Upper
78 100
77 23.6 19.1 28.7

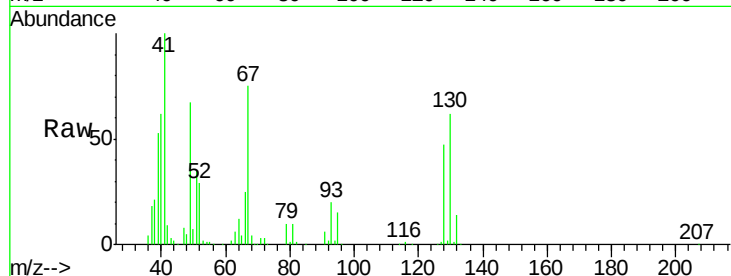




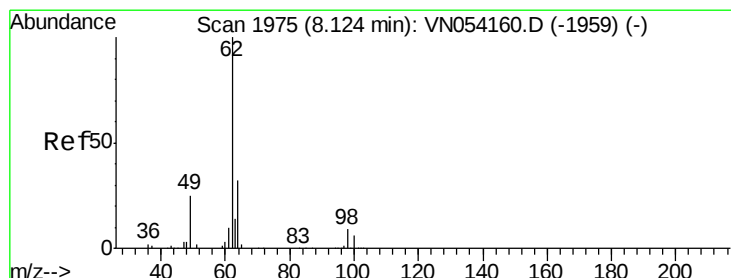
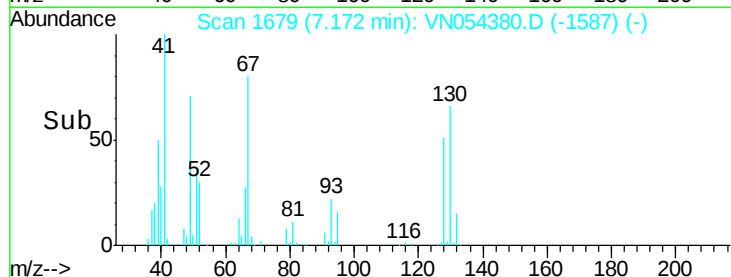
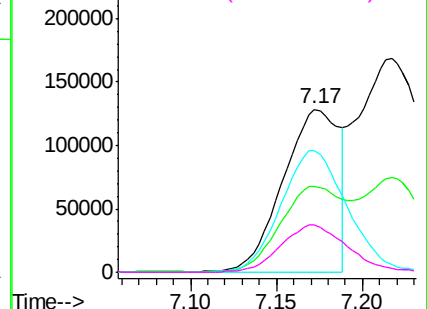
#41
Methacrylonitrile
Concen: 49.243 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN054380.D
Acq: 18 Mar 2019 8:50

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 41 Resp: 290661
Ion Ratio Lower Upper
41 100
39 61.6 46.8 70.2
67 89.4 67.0 100.4
52 34.1 26.5 39.7

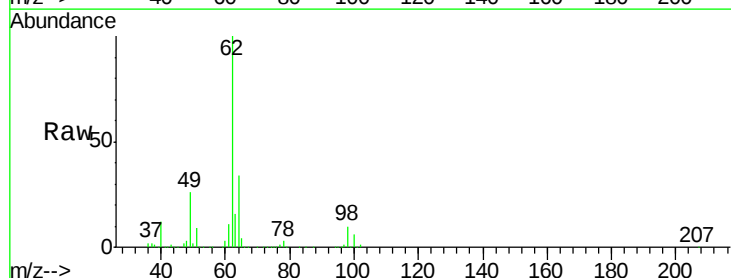


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

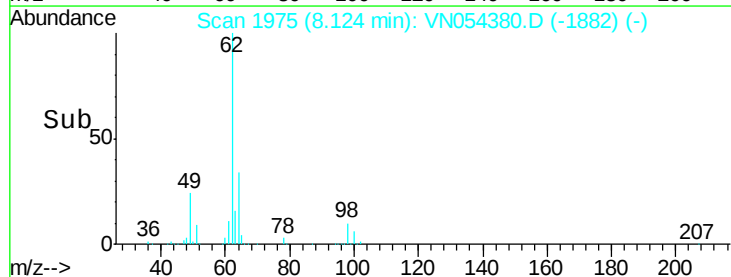
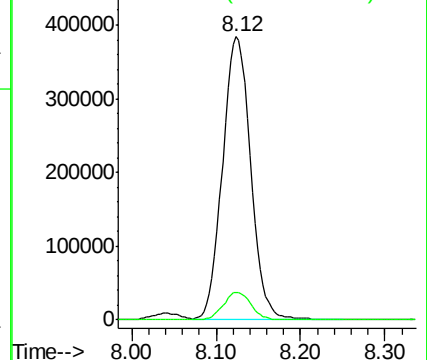


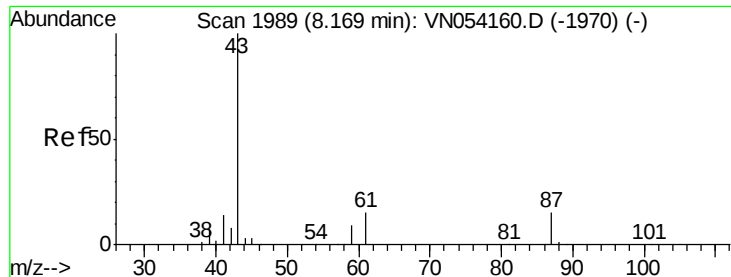
#42
1,2-Dichloroethane
Concen: 51.048 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN054380.D
Acq: 18 Mar 2019 8:50

Tgt Ion: 62 Resp: 887311
Ion Ratio Lower Upper
62 100
98 9.7 0.0 18.4



Abundance Ion 61.90 (61.60 to 62.60): VNC
Ion 97.90 (97.60 to 98.60): VNC





#43

Isopropyl Acetate

Concen: 50.166 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN054380.D

Acq: 18 Mar 2019 8:50

Instrument :

MSVOA_N

ClientSampled :

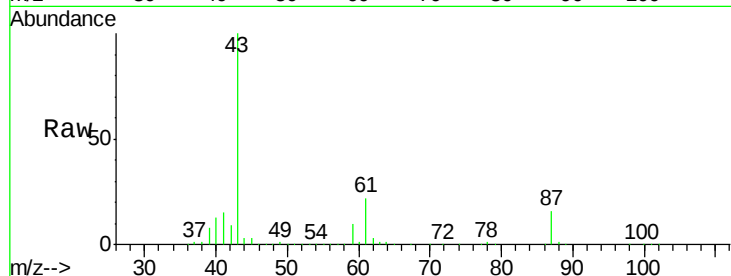
Tot Ion: 43 Resp: 910288

Ion Ratio Lower Upper

43 100

61 21.2 15.8 23.8

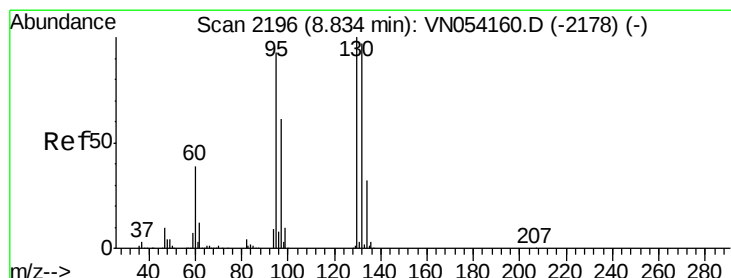
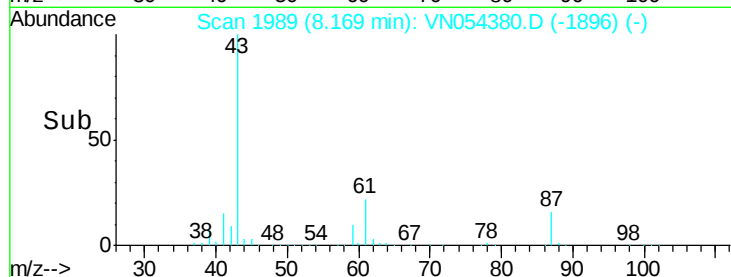
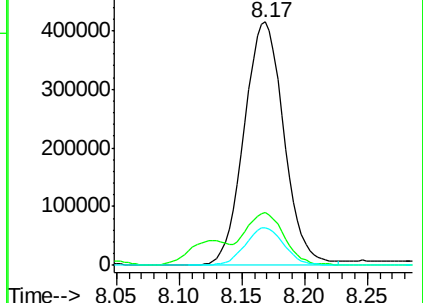
87 15.3 12.0 18.0



Abundance Ion 43.00 (42.70 to 43.70): VN054380.D (-1896) (-)

Ion 61.00 (60.70 to 61.70): VN054380.D (-1896) (-)

Ion 87.00 (86.70 to 87.70): VN054380.D (-1896) (-)



#44

Trichloroethene

Concen: 51.704 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN054380.D

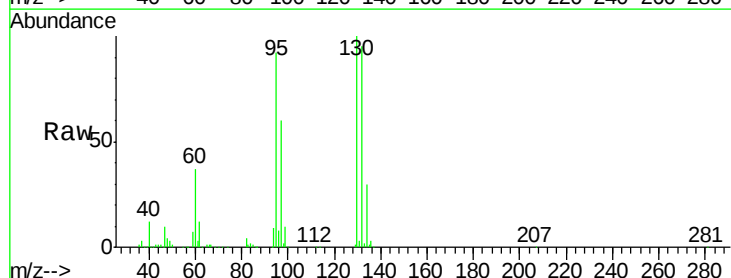
Acq: 18 Mar 2019 8:50

Tgt Ion: 130 Resp: 826940

Ion Ratio Lower Upper

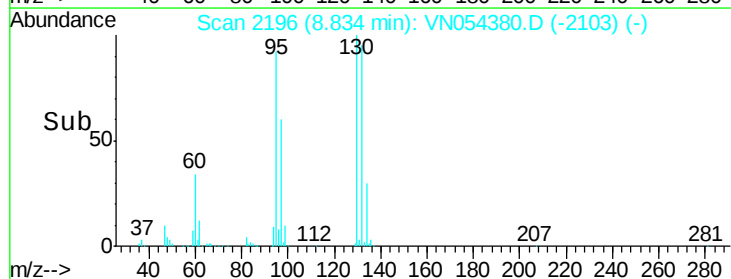
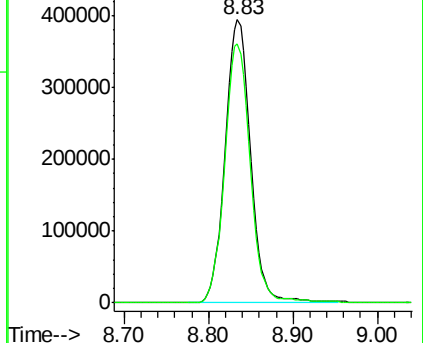
130 100

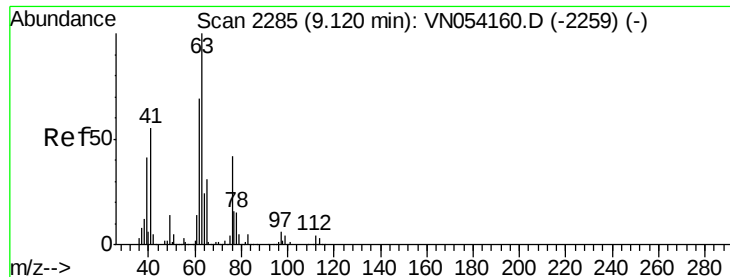
95 91.6 0.0 185.2



Abundance Ion 129.80 (129.50 to 130.50): VN054380.D (-2103) (-)

Ion 94.90 (94.60 to 95.60): VN054380.D (-2103) (-)

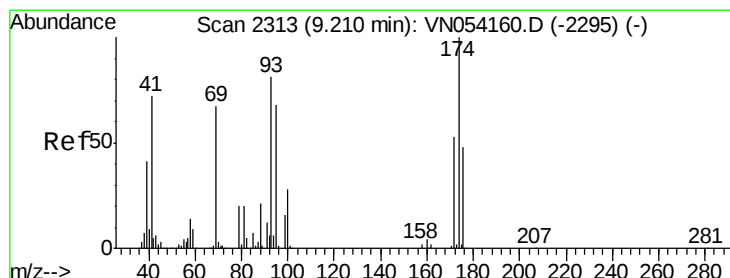
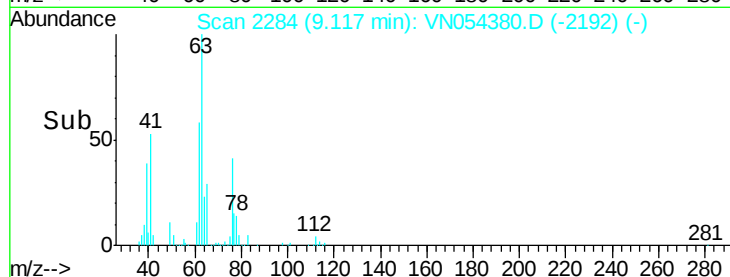
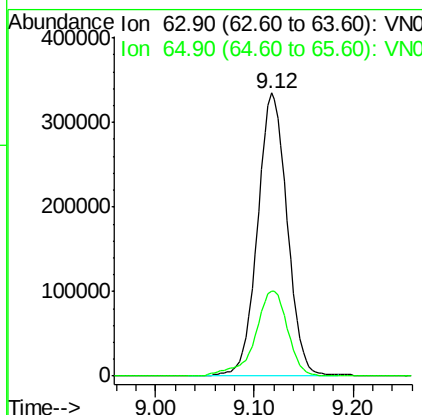
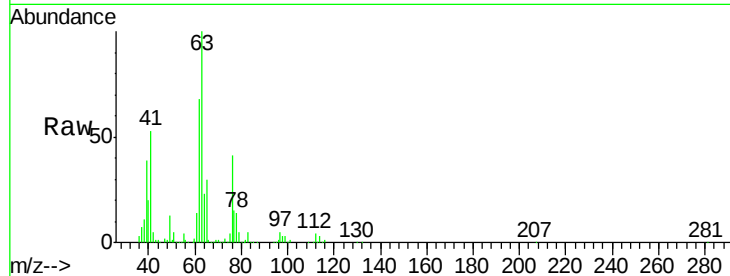




#45
 1,2-Dichloropropane
 Concen: 54.151 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN054380.D
 Acq: 18 Mar 2019 8:50

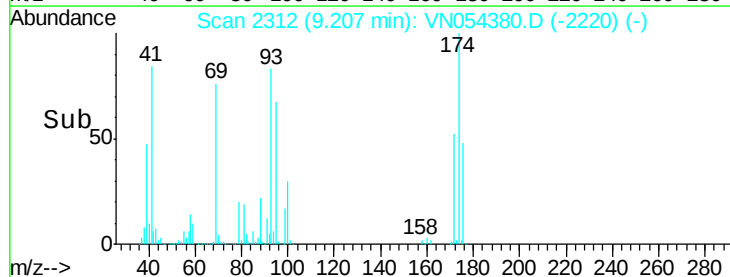
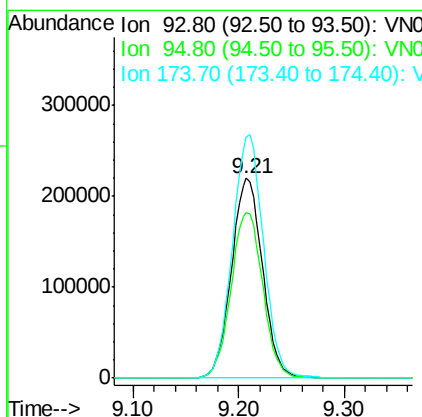
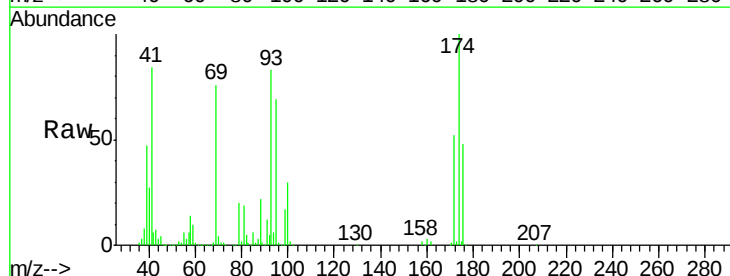
Instrument :
 MSVOA_N
 ClientSampleId :

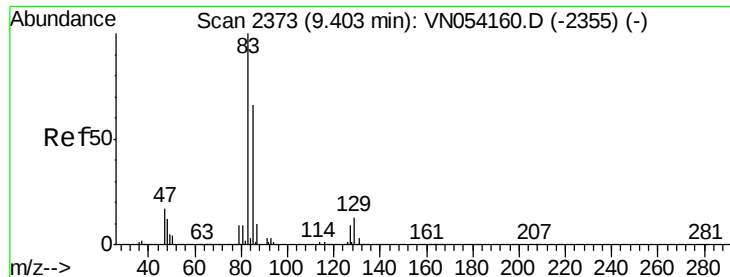
Tot Ion: 63 Resp: 692270
 Ion Ratio Lower Upper
 63 100
 65 30.1 25.0 37.6



#46
 Dibromomethane
 Concen: 52.092 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN054380.D
 Acq: 18 Mar 2019 8:50

Tgt Ion: 93 Resp: 449957
 Ion Ratio Lower Upper
 93 100
 95 83.9 66.7 100.1
 174 121.6 98.5 147.7





#47

Bromodichloromethane

Concen: 53.793 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN054380.D

Acq: 18 Mar 2019 8:50

Instrument :

MSVOA_N

ClientSampleId :

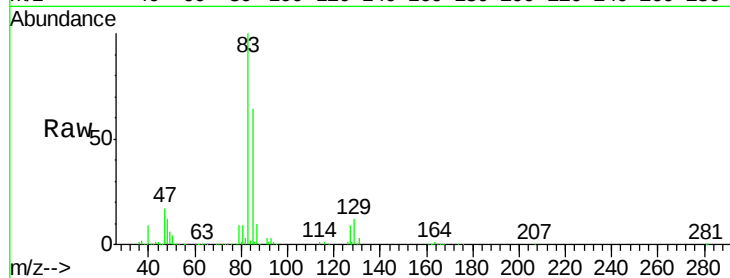
Tot Ion: 83 Resp: 931504

Ion Ratio Lower Upper

83 100

85 64.4 52.8 79.2

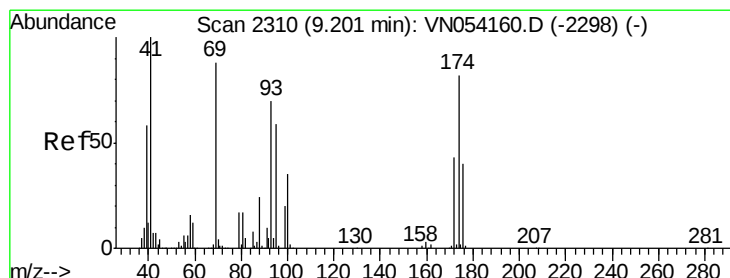
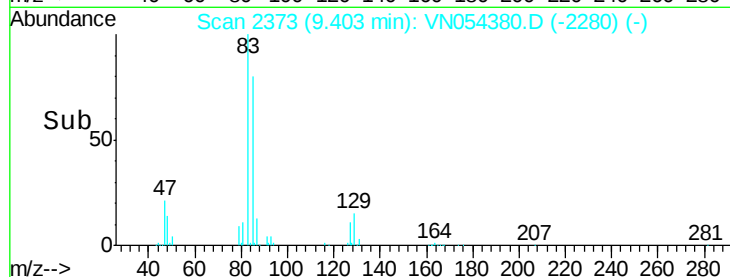
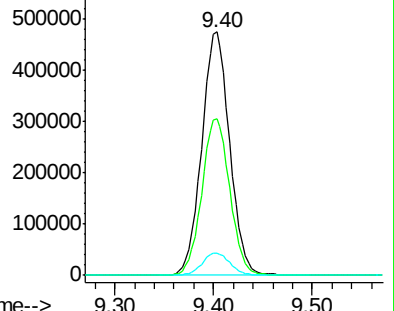
127 9.1 7.4 11.2



Abundance Ion 82.90 (82.60 to 83.60): VN054380.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN054380.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN054380.D (-2280) (-)



#48

Methyl methacrylate

Concen: 53.279 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN054380.D

Acq: 18 Mar 2019 8:50

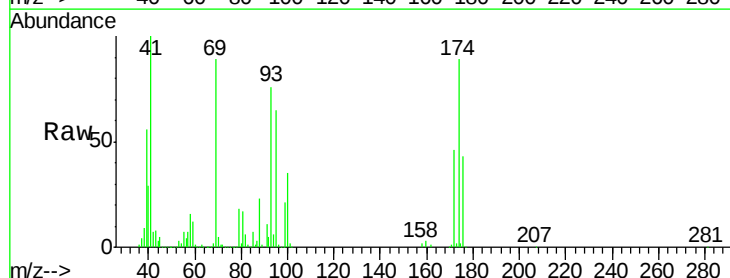
Tgt Ion: 41 Resp: 490625

Ion Ratio Lower Upper

41 100

69 91.6 72.6 108.8

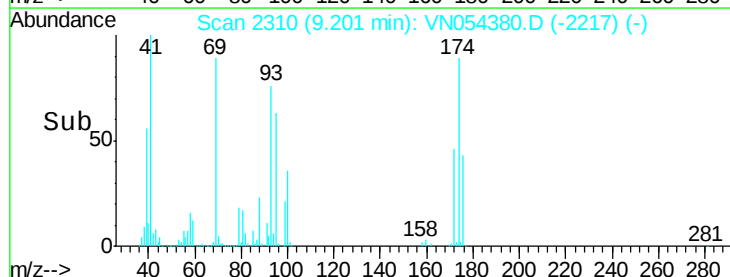
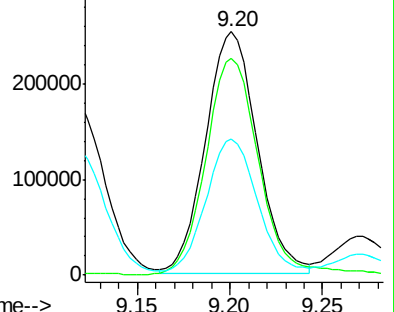
39 56.0 47.5 71.3

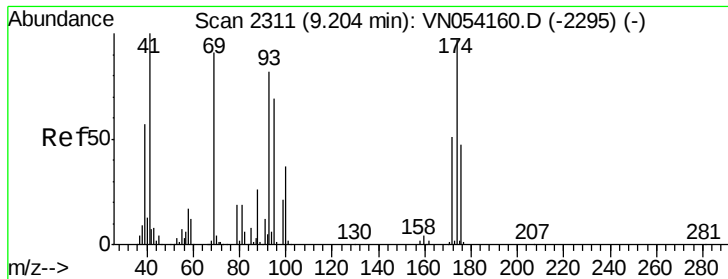


Abundance Ion 41.00 (40.70 to 41.70): VN054380.D (-2217) (-)

Ion 69.00 (68.70 to 69.70): VN054380.D (-2217) (-)

Ion 39.00 (38.70 to 39.70): VN054380.D (-2217) (-)

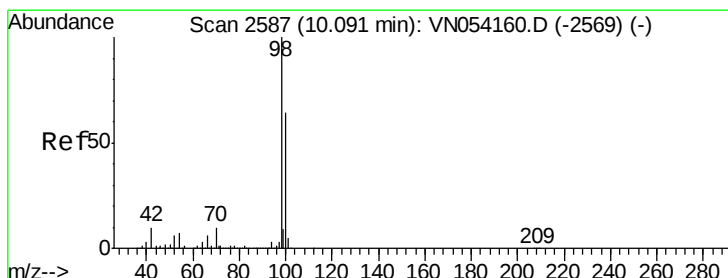
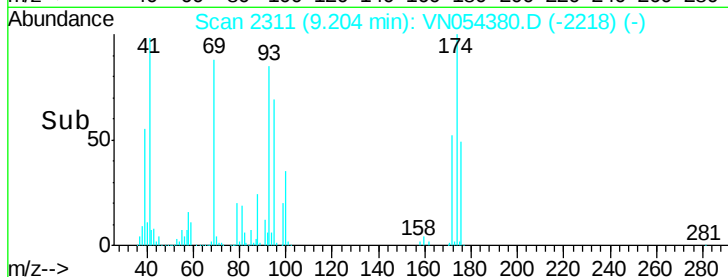
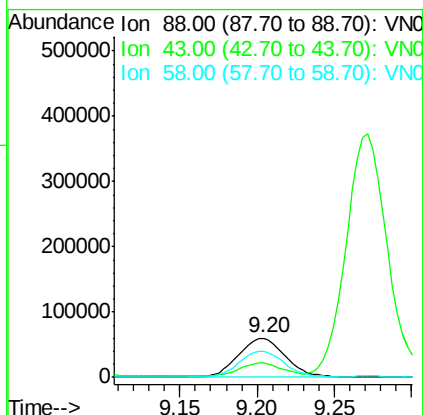
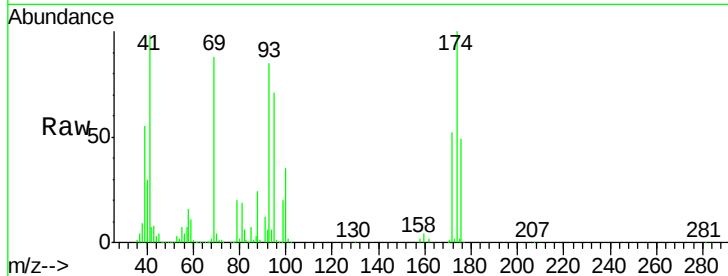




#49
1,4-Dioxane
Concen: 971.192 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN054380.D
Acq: 18 Mar 2019 8:50

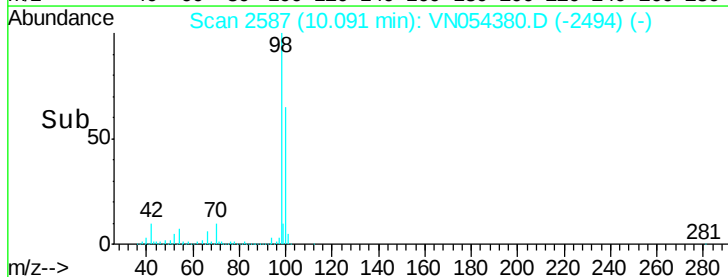
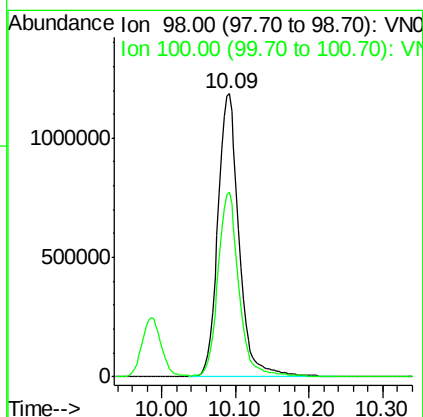
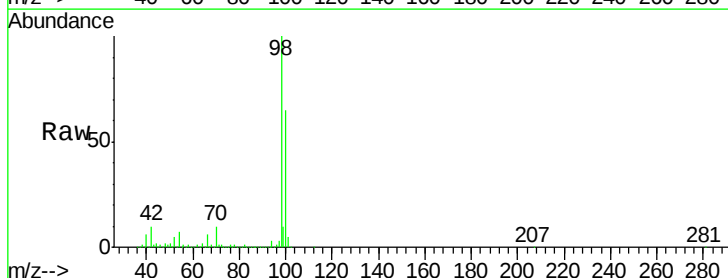
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 88 Resp: 126502
Ion Ratio Lower Upper
88 100
43 29.9 24.1 36.1
58 66.2 50.8 76.2



#50
Toluene-d8
Concen: 50.763 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN054380.D
Acq: 18 Mar 2019 8:50

Tgt Ion: 98 Resp: 2362231
Ion Ratio Lower Upper
98 100
100 63.9 51.2 76.8





#51

4-Methyl-2-Pentanone

Concen: 272.590 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN054380.D

Acq: 18 Mar 2019 8:50

Instrument :

MSVOA_N

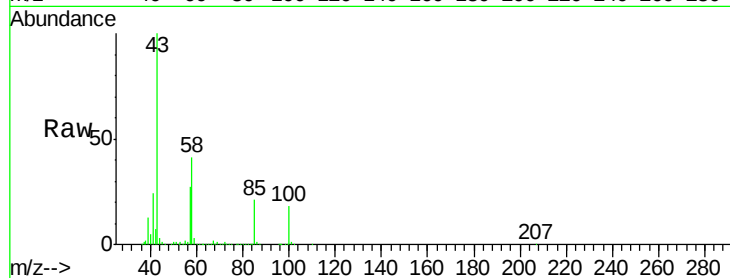
ClientSampleId :

Tot Ion: 43 Resp: 2617616

Ion Ratio Lower Upper

43 100

58 40.5 31.8 47.6



Abundance Ion 43.00 (42.70 to 43.70): VN054160.D (-2538) (-)

Ion 58.00 (57.70 to 58.70): VN054160.D (-2538) (-)

9.99

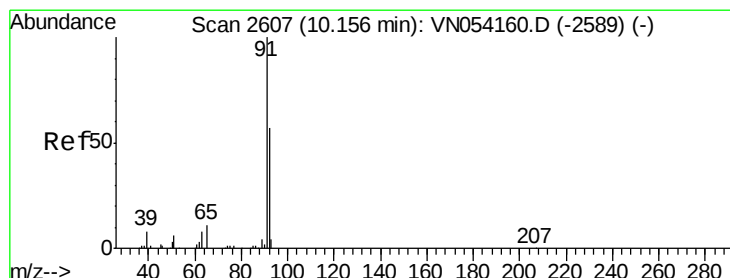
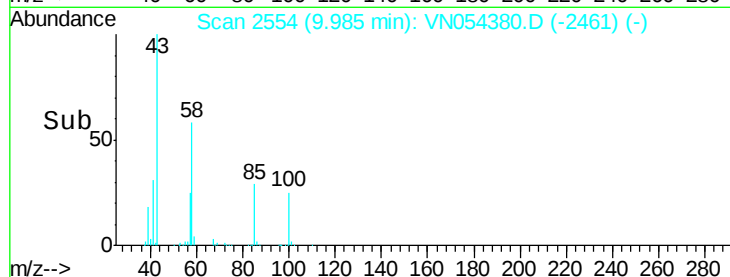
1500000

1000000

500000

0

Time-->



#52

Toluene

Concen: 53.367 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN054380.D

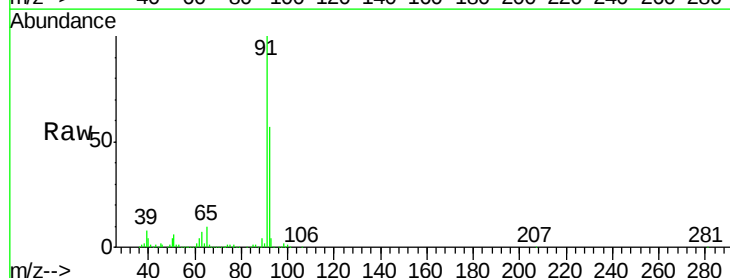
Acq: 18 Mar 2019 8:50

Tgt Ion: 92 Resp: 1742158

Ion Ratio Lower Upper

92 100

91 175.0 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VN054160.D (-2589) (-)

Ion 91.00 (90.70 to 91.70): VN054160.D (-2589) (-)

10.16

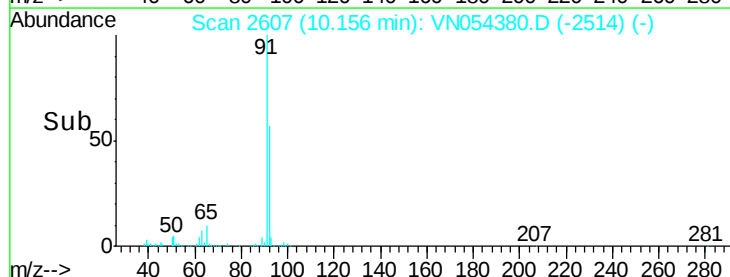
1500000

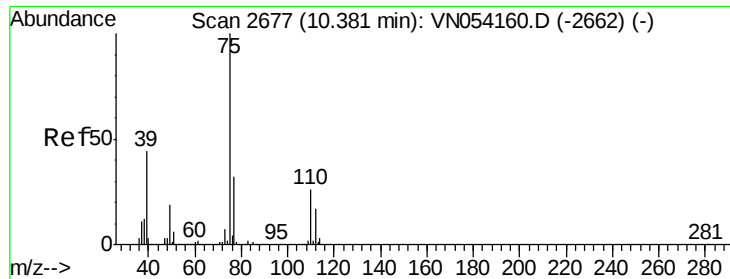
1000000

500000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 45.863 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN054380.D

Acq: 18 Mar 2019 8:50

Instrument :

MSVOA_N

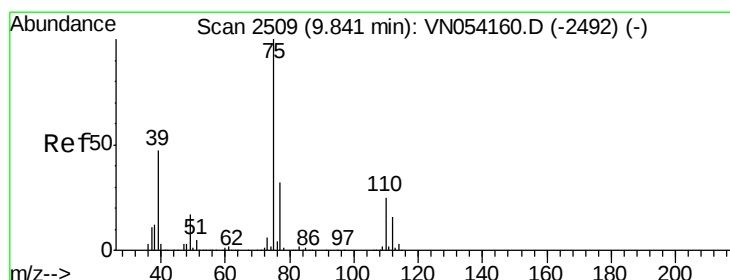
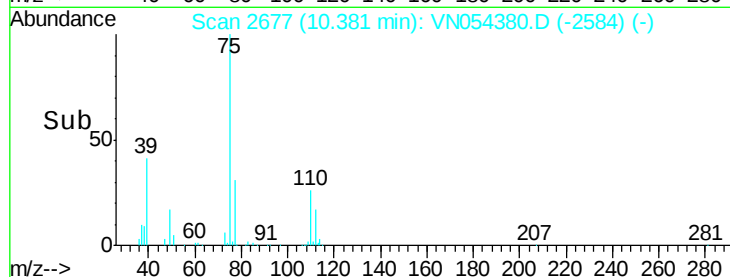
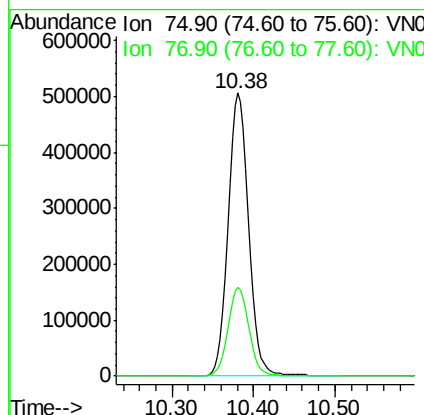
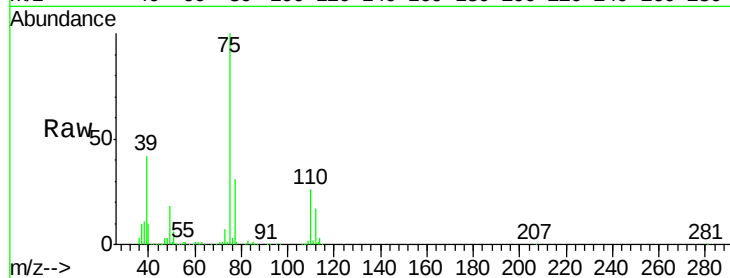
ClientSampled :

Tot Ion: 75 Resp: 904959

Ion Ratio Lower Upper

75 100

77 31.3 25.8 38.8



#54

cis-1,3-Dichloropropene

Concen: 53.001 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. -0.00 min

Lab File: VN054380.D

Acq: 18 Mar 2019 8:50

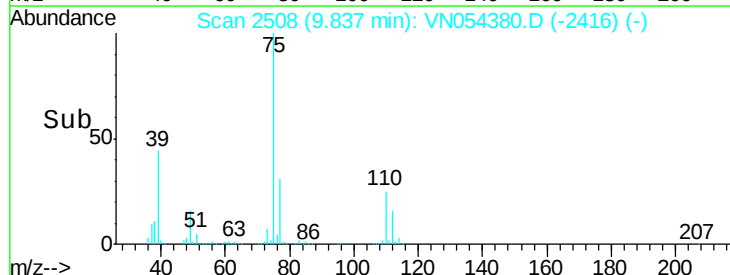
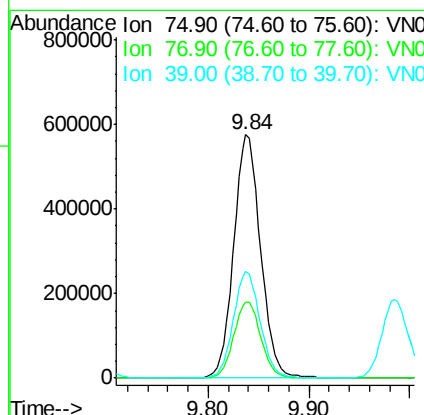
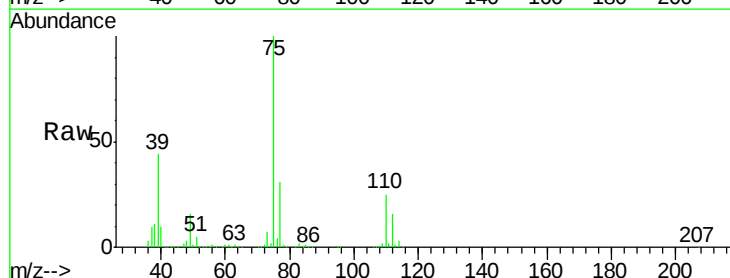
Tgt Ion: 75 Resp: 1069509

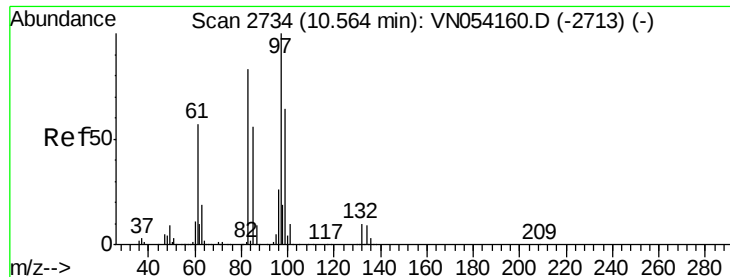
Ion Ratio Lower Upper

75 100

77 31.3 25.4 38.0

39 43.7 37.2 55.8



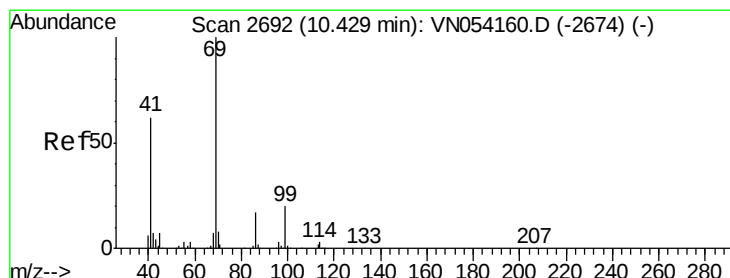
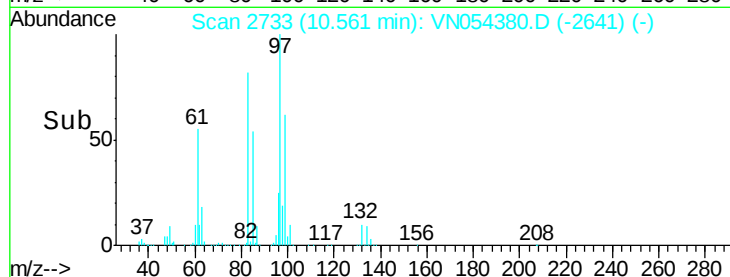
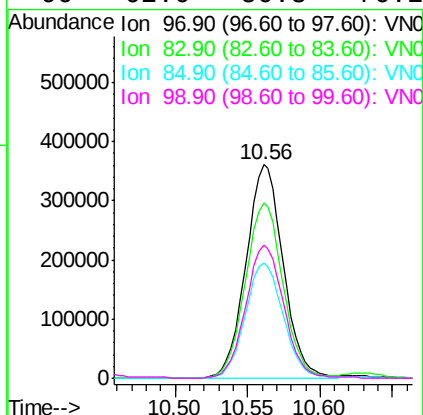
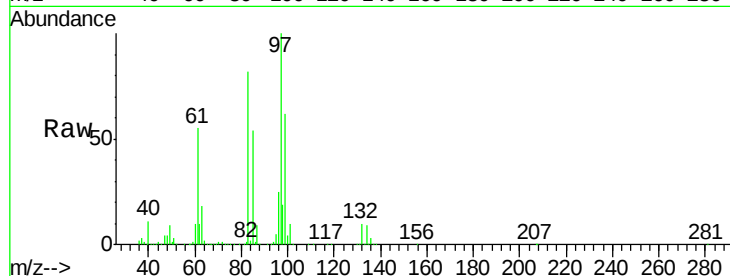


#55
 1,1,2-Trichloroethane
 Concen: 54.056 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN054380.D
 Acq: 18 Mar 2019 8:50

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 97 Resp: 644343

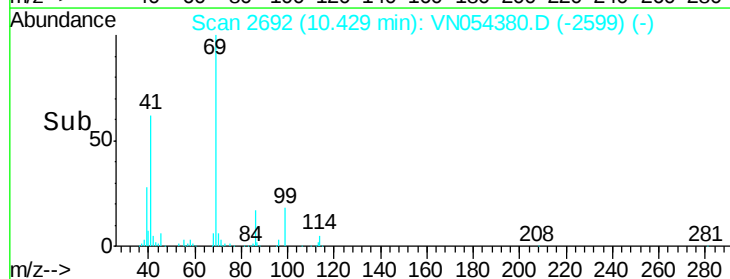
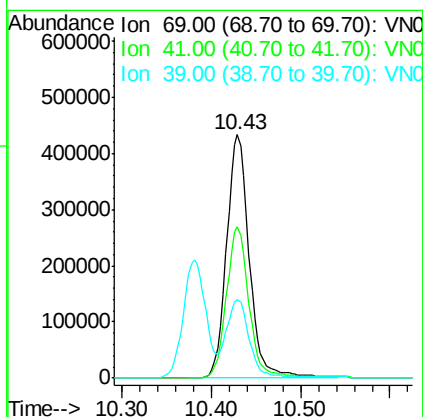
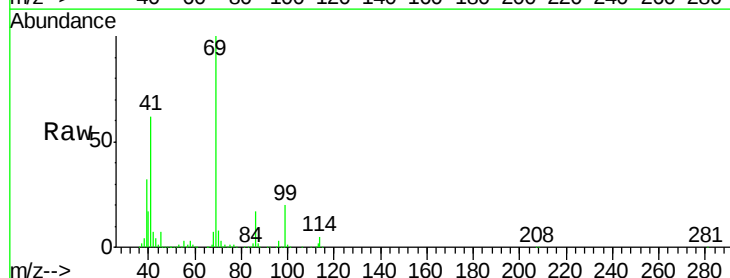
Ion	Ratio	Lower	Upper
97	100		
83	81.9	66.6	100.0
85	54.0	44.4	66.6
99	62.0	50.8	76.2

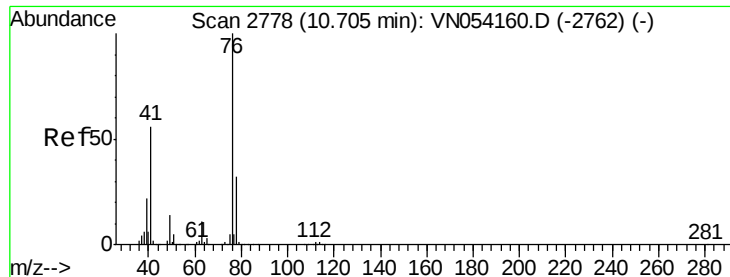


#56
 Ethyl methacrylate
 Concen: 53.822 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN054380.D
 Acq: 18 Mar 2019 8:50

Tgt Ion: 69 Resp: 764973

Ion	Ratio	Lower	Upper
69	100		
41	60.6	49.4	74.2
39	31.8	28.3	42.5





#57

1,3-Dichloropropane

Concen: 53.673 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN054380.D

Acq: 18 Mar 2019 8:50

Instrument :

MSVOA_N

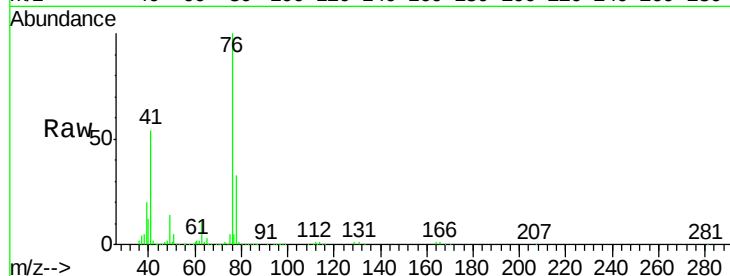
ClientSampleId :

Tot Ion: 76 Resp: 1046115

Ion Ratio Lower Upper

76 100

78 32.7 25.7 38.5



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

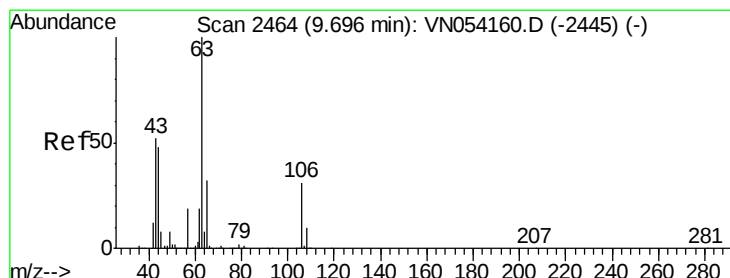
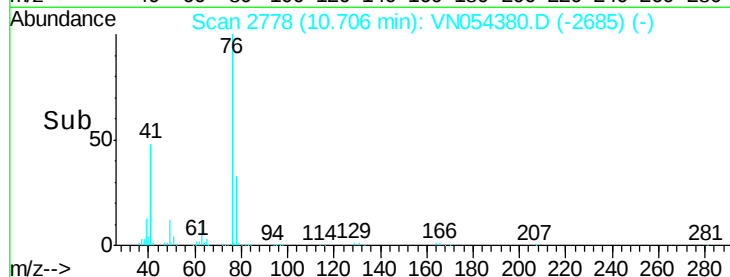
600000

400000

200000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 246.044 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN054380.D

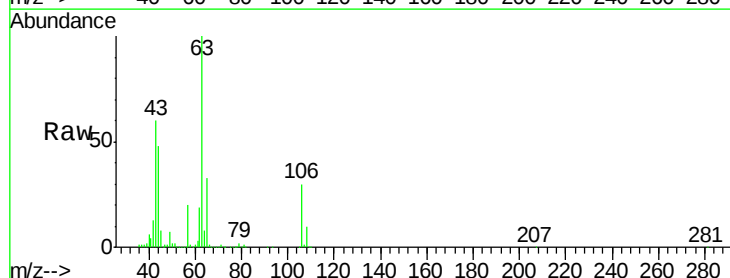
Acq: 18 Mar 2019 8:50

Tgt Ion: 63 Resp: 1515386

Ion Ratio Lower Upper

63 100

106 29.9 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.70

800000

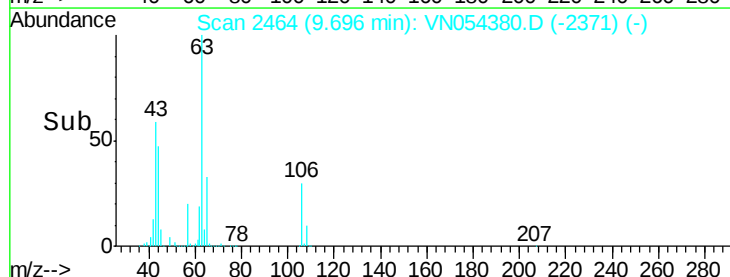
600000

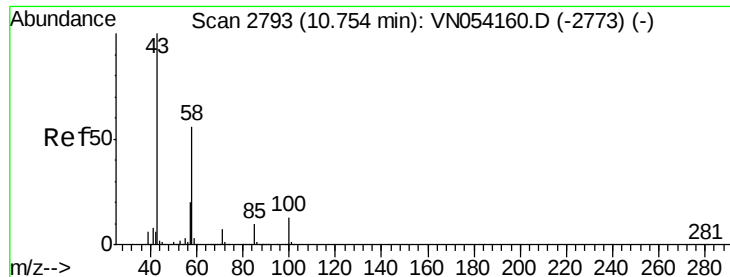
400000

200000

0

Time-->

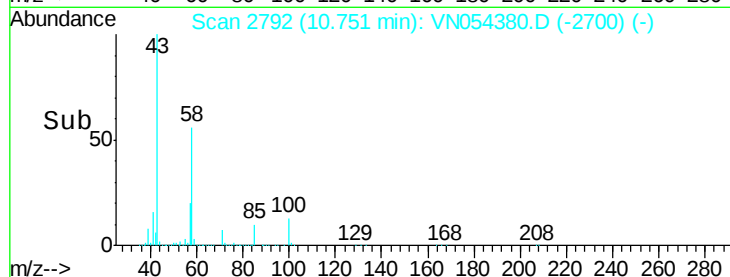
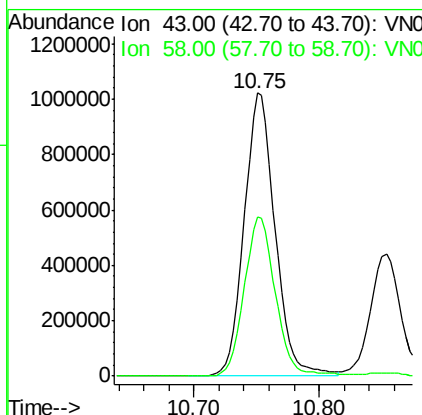
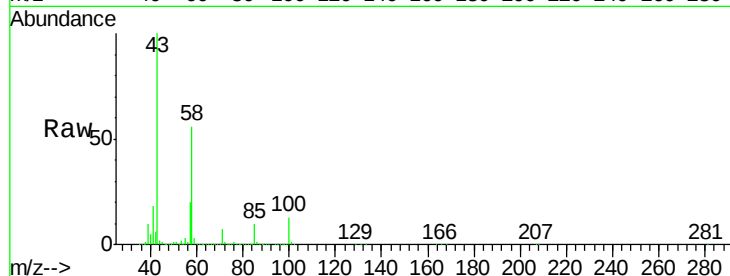




#59
2-Hexanone
Concen: 273.589 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN054380.D
Acq: 18 Mar 2019 8:50

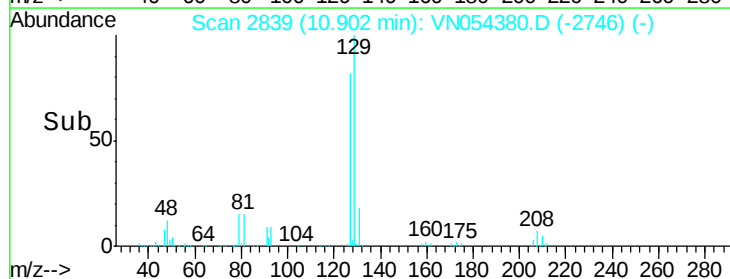
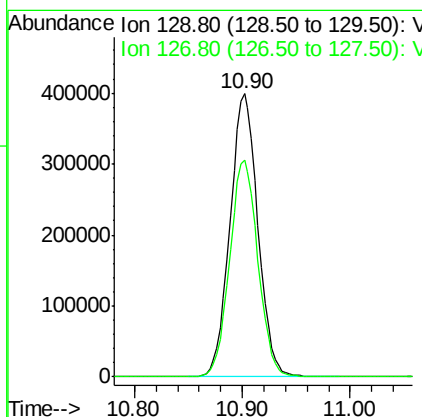
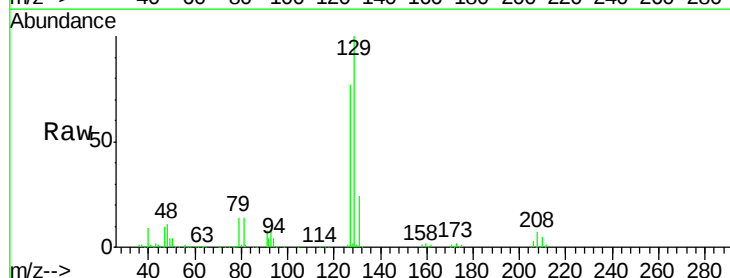
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 1748139
Ion Ratio Lower Upper
43 100
58 57.3 28.0 83.9



#60
Dibromochloromethane
Concen: 53.659 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN054380.D
Acq: 18 Mar 2019 8:50

Tgt Ion: 129 Resp: 719915
Ion Ratio Lower Upper
129 100
127 77.4 38.6 115.8

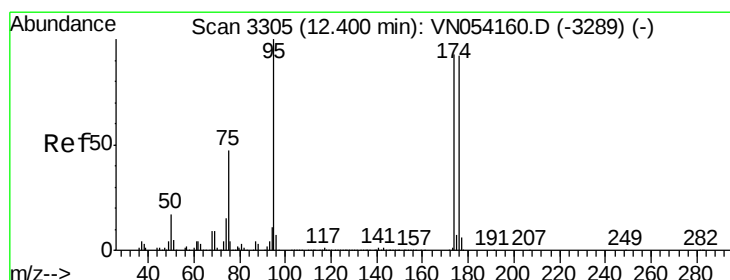
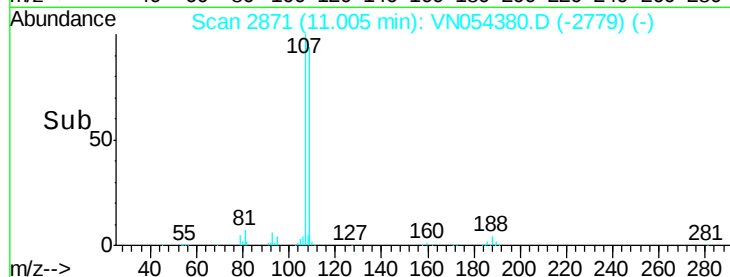
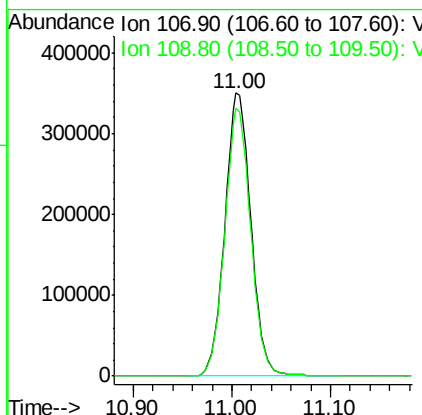
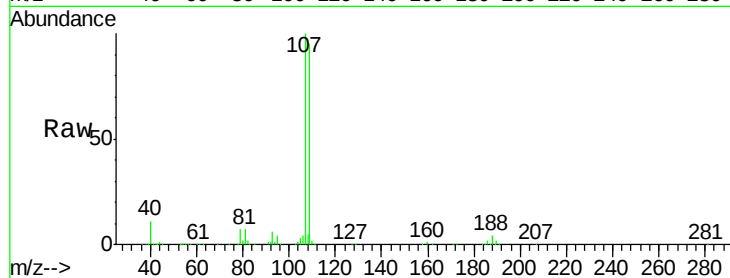




#61
 1,2-Dibromoethane
 Concen: 53.648 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN054380.D
 Acq: 18 Mar 2019 8:50

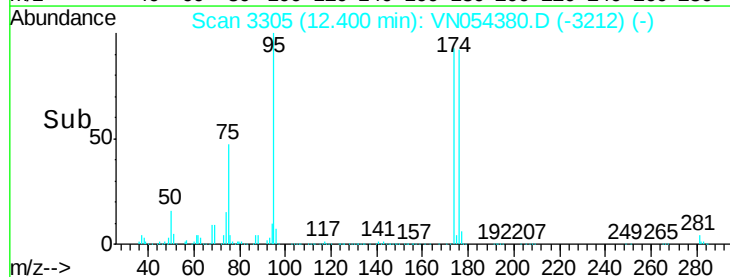
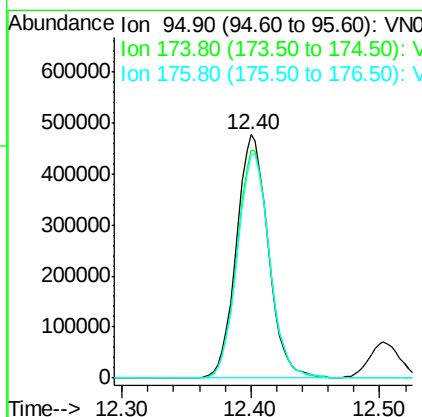
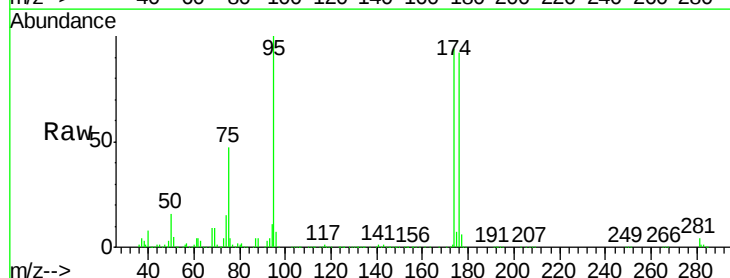
Instrument :
 MSVOA_N
 ClientSampleId :

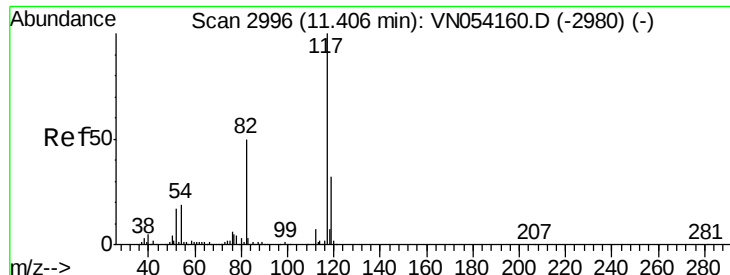
Tot Ion: 107 Resp: 649850
 Ion Ratio Lower Upper
 107 100
 109 94.3 75.9 113.9



#62
 4-Bromofluorobenzene
 Concen: 50.402 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN054380.D
 Acq: 18 Mar 2019 8:50

Tgt Ion: 95 Resp: 820680
 Ion Ratio Lower Upper
 95 100
 174 95.2 0.0 191.0
 176 93.1 0.0 187.4

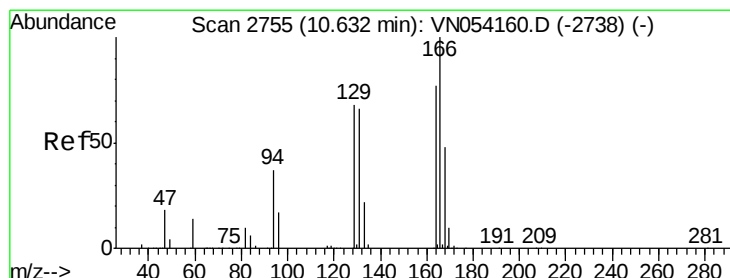
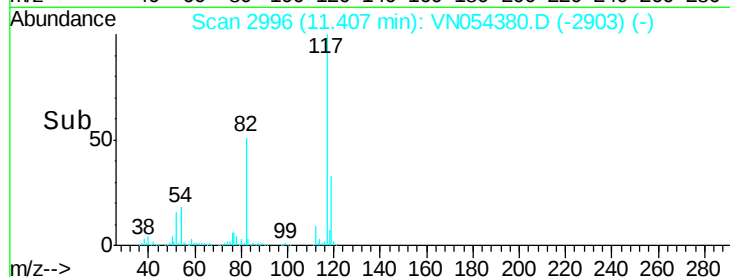
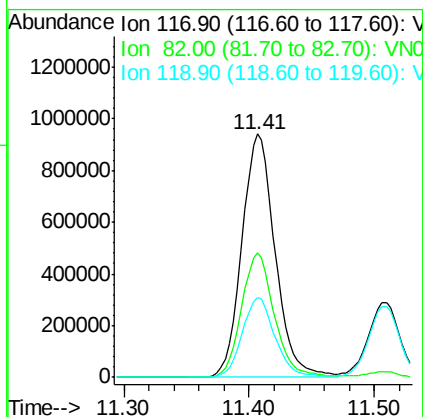
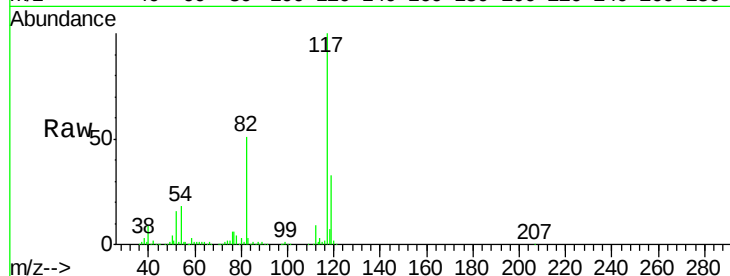




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054380.D
Acq: 18 Mar 2019 8:50

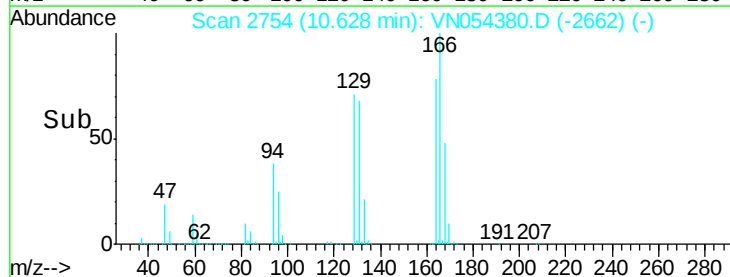
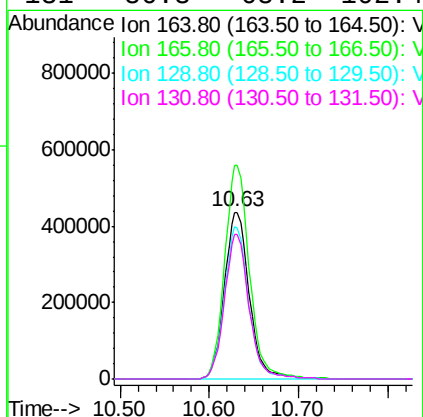
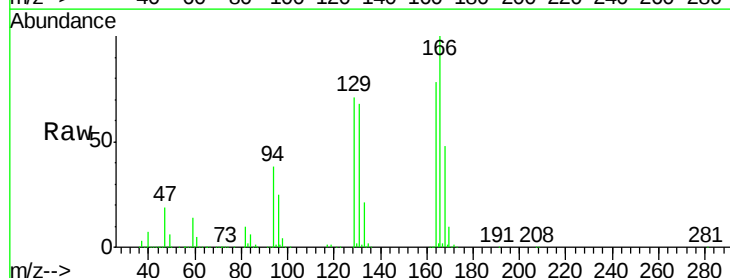
Instrument :
MSVOA_N
ClientSampleId :

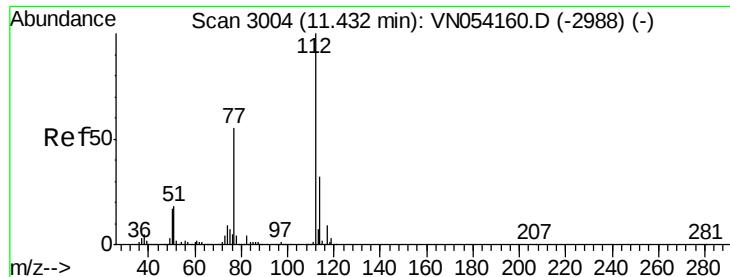
Tot Ion:117 Resp: 1738473
Ion Ratio Lower Upper
117 100
82 50.9 40.0 60.0
119 32.8 25.8 38.6



#64
Tetrachloroethene
Concen: 50.251 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN054380.D
Acq: 18 Mar 2019 8:50

Tgt Ion:164 Resp: 844646
Ion Ratio Lower Upper
164 100
166 127.8 103.9 155.9
129 91.1 71.1 106.7
131 86.3 68.2 102.4





#65

Chlorobenzene

Concen: 52.326 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN054380.D

Acq: 18 Mar 2019 8:50

Instrument :

MSVOA_N

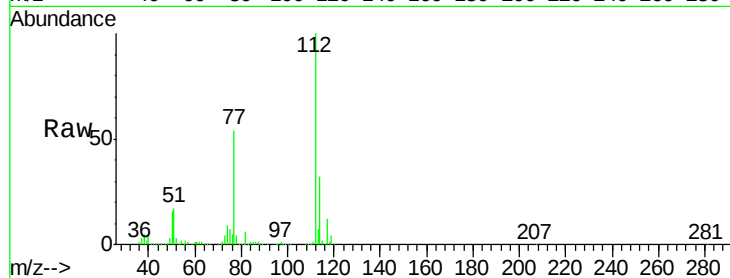
ClientSampled :

Tot Ion:112 Resp: 1997416

Ion Ratio Lower Upper

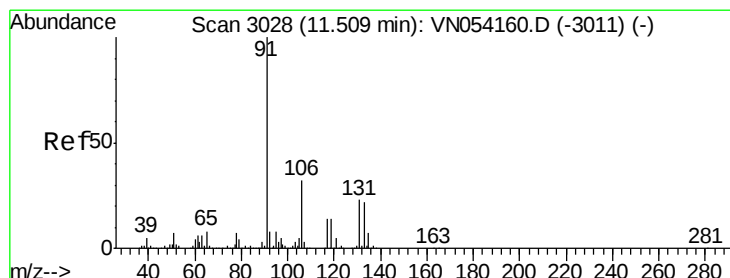
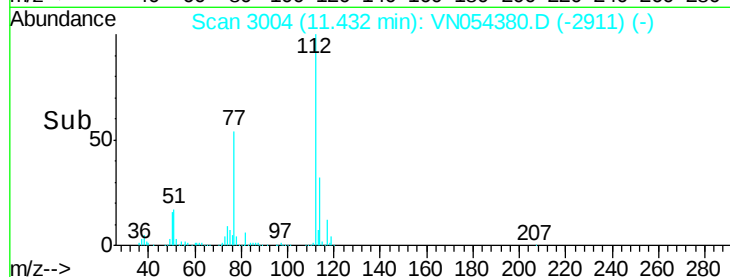
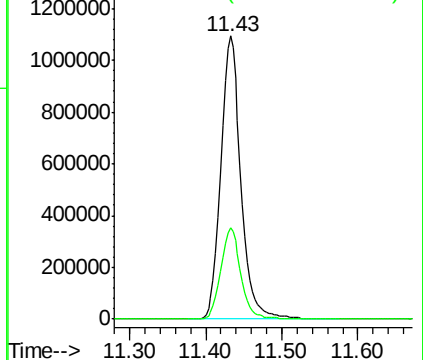
112 100

114 32.1 25.9 38.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 53.131 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN054380.D

Acq: 18 Mar 2019 8:50

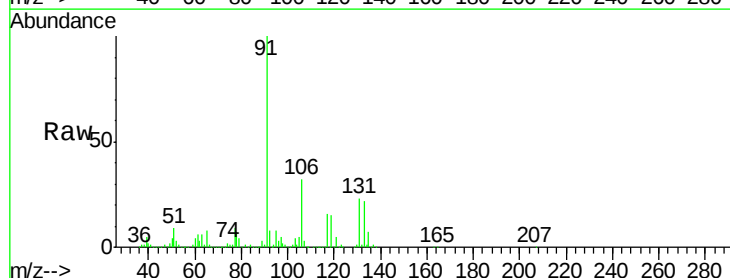
Tgt Ion:131 Resp: 736769

Ion Ratio Lower Upper

131 100

133 95.0 47.6 142.9

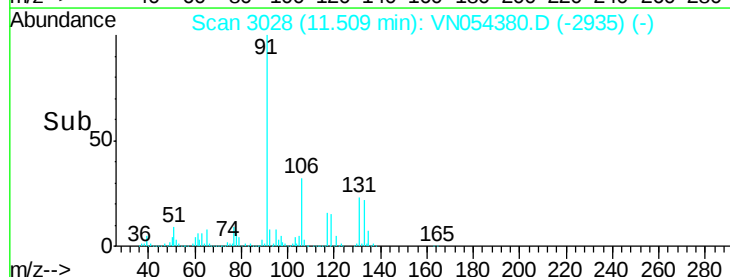
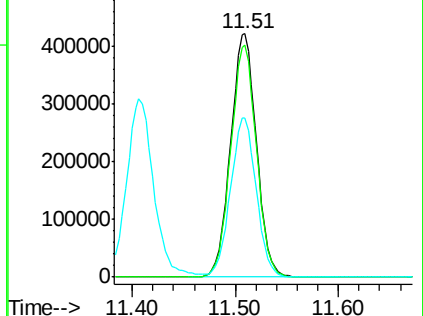
119 65.4 32.4 97.0

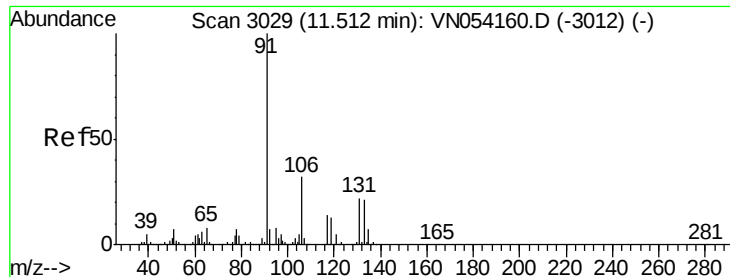


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

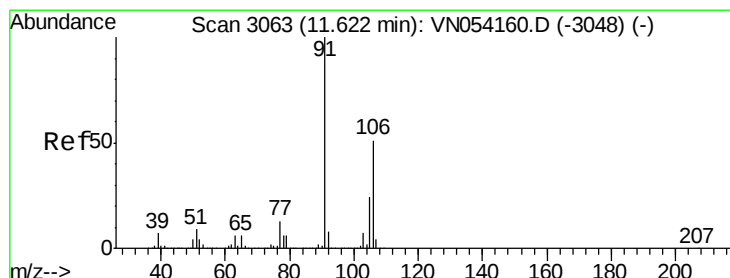
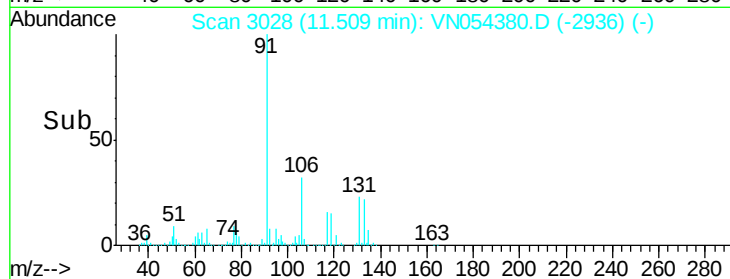
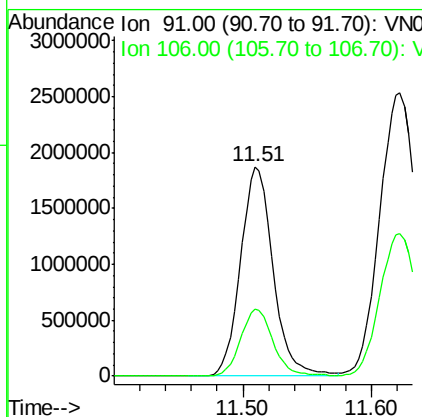
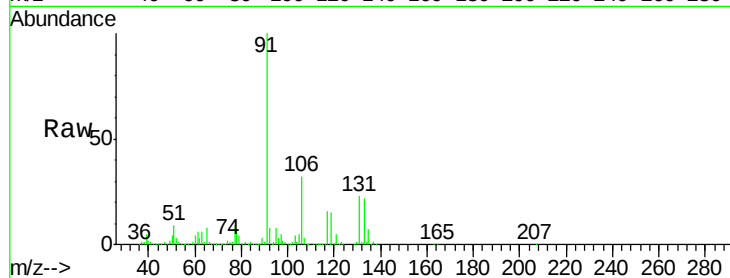




#67
Ethyl Benzene
Concen: 52.133 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN054380.D
Acq: 18 Mar 2019 8:50

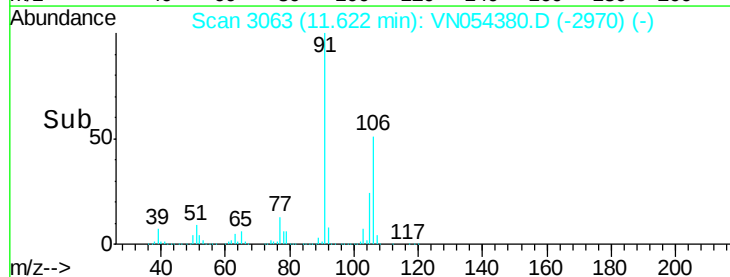
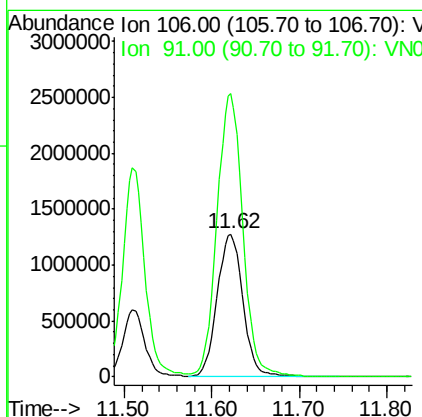
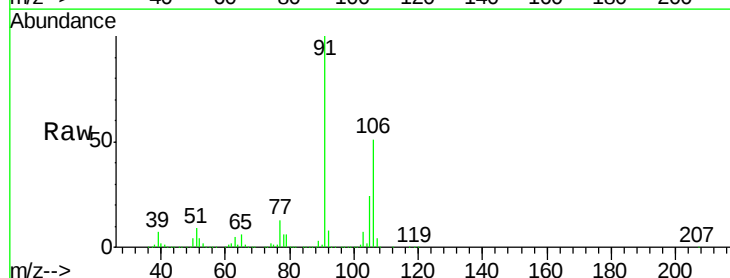
Instrument :
MSVOA_N
ClientSampled :

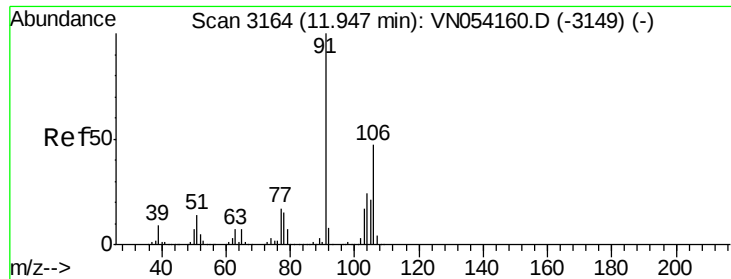
Tot Ion: 91 Resp: 3298793
Ion Ratio Lower Upper
91 100
106 32.2 25.5 38.3



#68
m/p-Xylenes
Concen: 106.104 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN054380.D
Acq: 18 Mar 2019 8:50

Tgt Ion: 106 Resp: 2624114
Ion Ratio Lower Upper
106 100
91 198.6 159.4 239.2

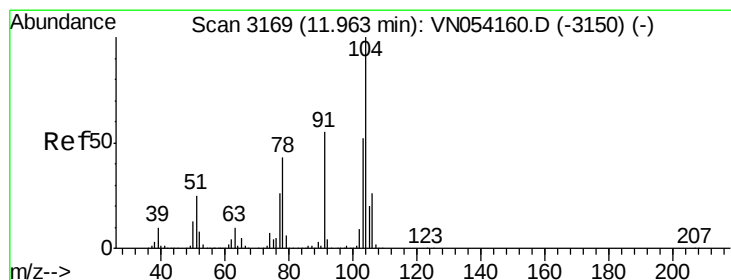
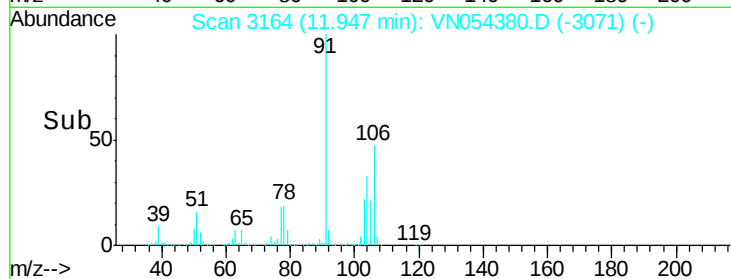
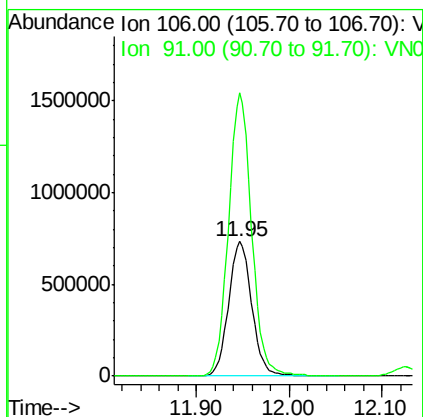
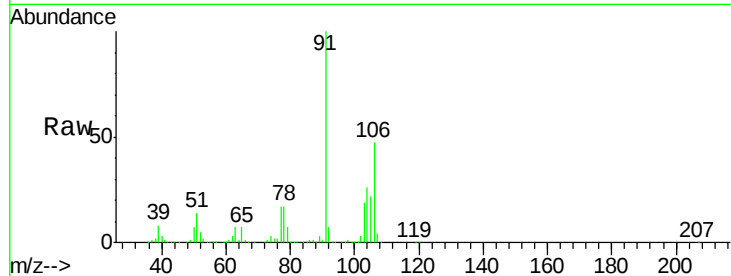




#69
o-Xylene
Concen: 52.752 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054380.D
Acq: 18 Mar 2019 8:50

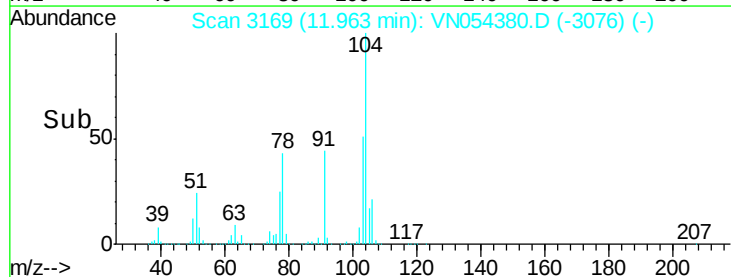
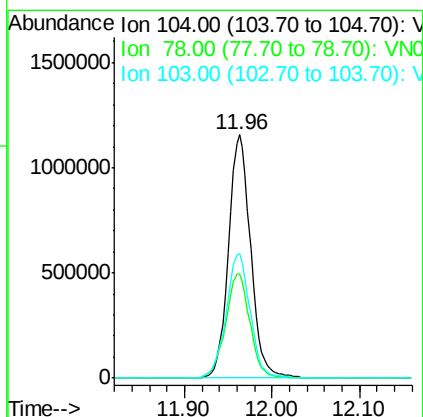
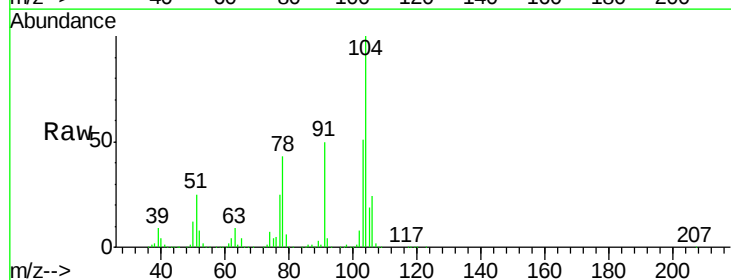
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:106 Resp: 1271794
Ion Ratio Lower Upper
106 100
91 208.8 105.7 317.1



#70
Styrene
Concen: 53.699 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN054380.D
Acq: 18 Mar 2019 8:50

Tgt Ion:104 Resp: 2030417
Ion Ratio Lower Upper
104 100
78 47.4 38.2 57.2
103 55.9 44.4 66.6





#71

Bromoform

Concen: 45.669 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN054380.D

Acq: 18 Mar 2019 8:50

Instrument :

MSVOA_N

ClientSampleId :

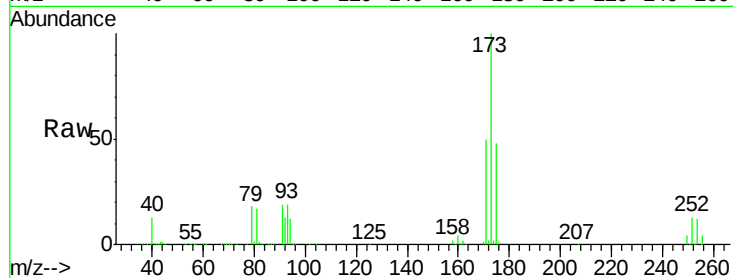
Tot Ion:173 Resp: 480486

Ion Ratio Lower Upper

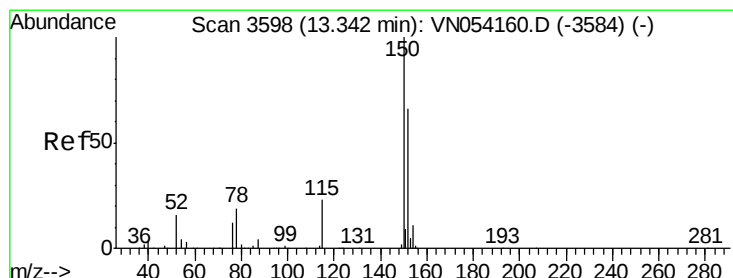
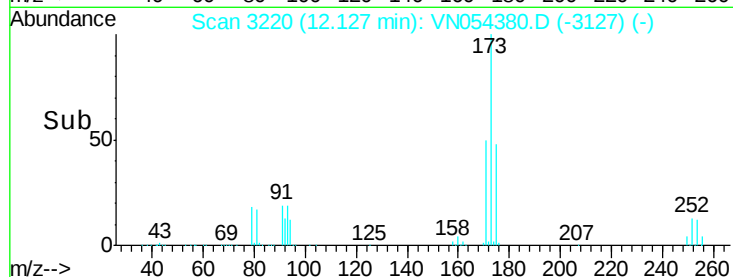
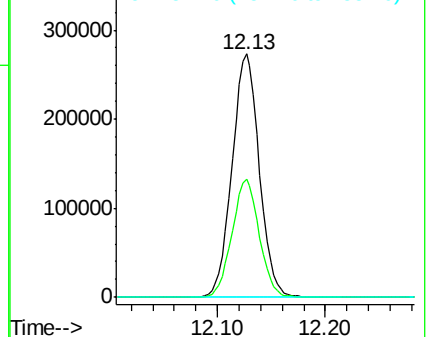
173 100

175 48.5 24.4 73.2

254 0.1 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: VN054380.D

Acq: 18 Mar 2019 8:50

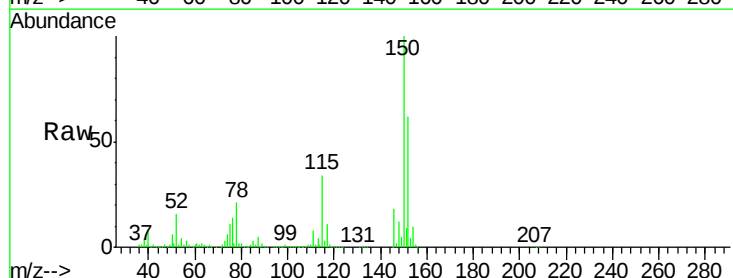
Tgt Ion:152 Resp: 820104

Ion Ratio Lower Upper

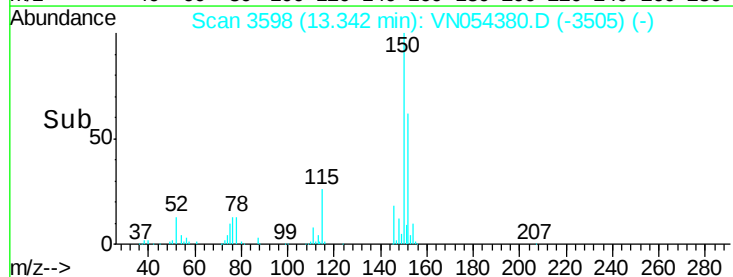
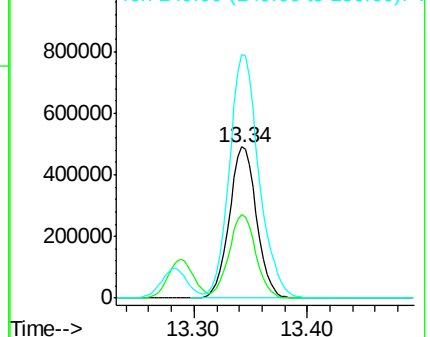
152 100

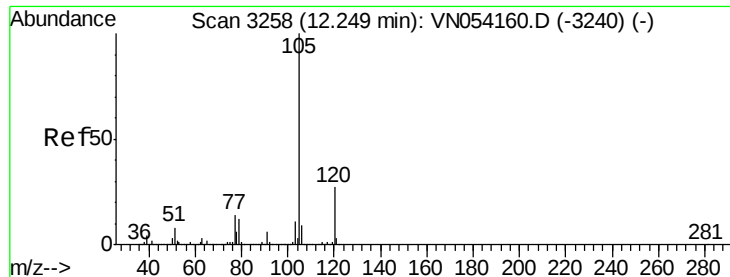
115 54.3 27.2 81.6

150 175.6 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: 50.740 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054380.D

Acq: 18 Mar 2019 8:50

Instrument :

MSVOA_N

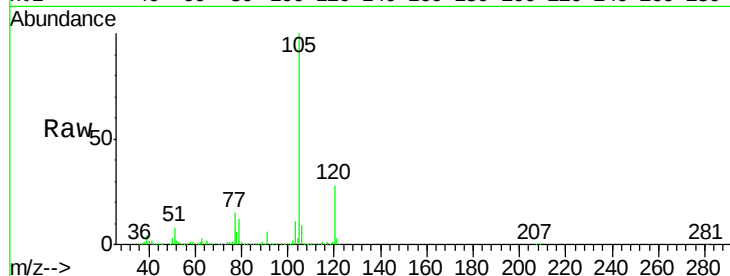
ClientSampleId :

Tot Ion:105 Resp: 3329228

Ion Ratio Lower Upper

105 100

120 27.5 13.8 41.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

2000000

1500000

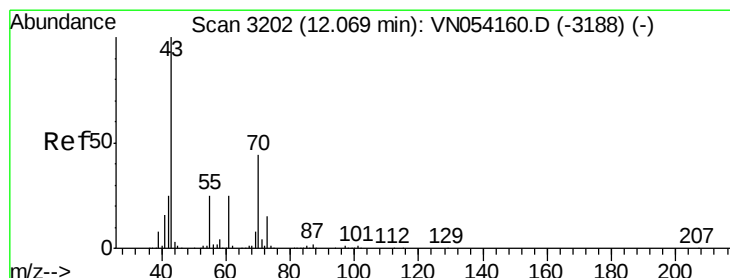
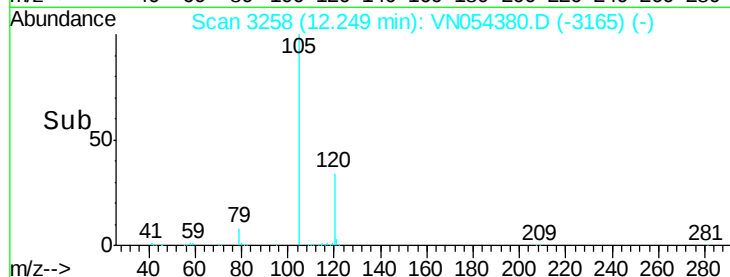
1000000

500000

0

Time-->

12.20 12.30



#74

N-ethyl acetate

Concen: 52.383 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN054380.D

Acq: 18 Mar 2019 8:50

Tgt Ion: 43 Resp: 762906

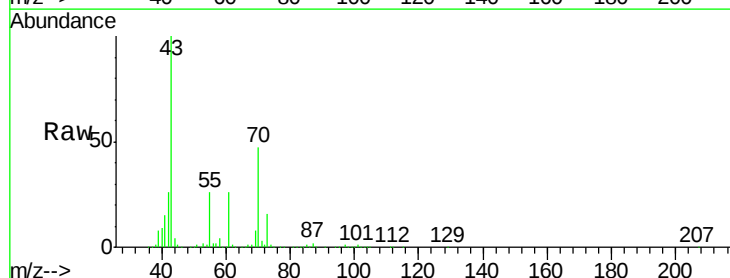
Ion Ratio Lower Upper

43 100

70 46.6 35.4 53.0

55 25.9 19.8 29.6

61 25.7 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

12.07

600000

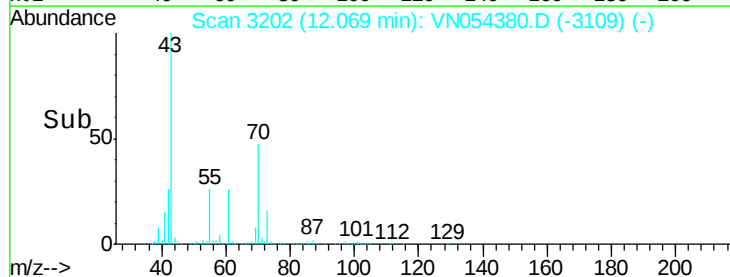
400000

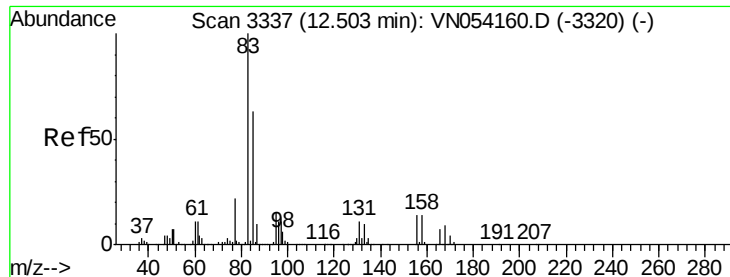
200000

0

Time-->

12.00 12.10





#75

1,1,2,2-Tetrachloroethane

Concen: 52.991 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN054380.D

Acq: 18 Mar 2019 8:50

Instrument :

MSVOA_N

ClientSampleId :

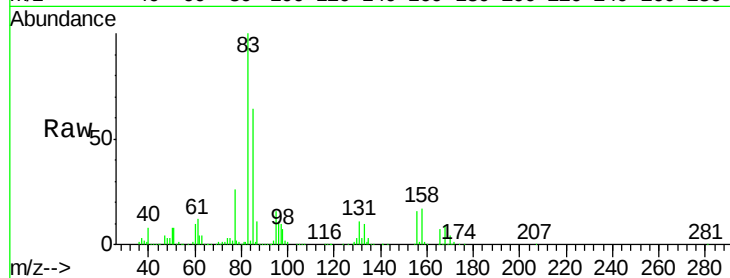
Tot Ion: 83 Resp: 740784

Ion Ratio Lower Upper

83 100

131 11.6 5.8 17.4

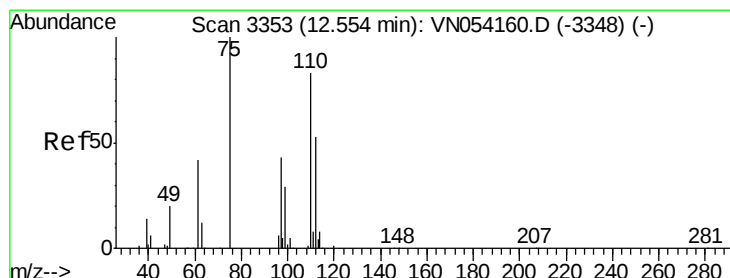
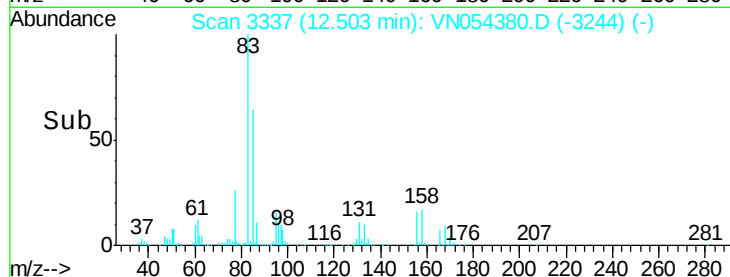
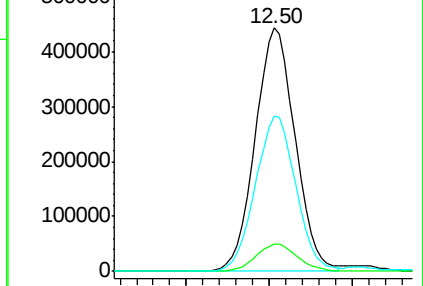
85 64.7 32.2 96.6



Abundance Ion 82.90 (82.60 to 83.60): VN054380.D (-3244) (-)

Ion 130.80 (130.50 to 131.50): VN054380.D (-3244) (-)

Ion 84.90 (84.60 to 85.60): VN054380.D (-3244) (-)



#76

1,2,3-Trichloropropane

Concen: 73.910 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN054380.D

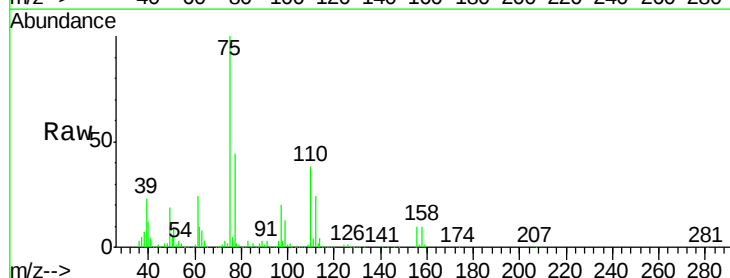
Acq: 18 Mar 2019 8:50

Tgt Ion: 75 Resp: 891352

Ion Ratio Lower Upper

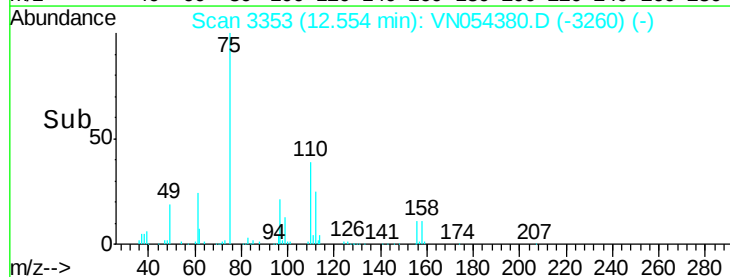
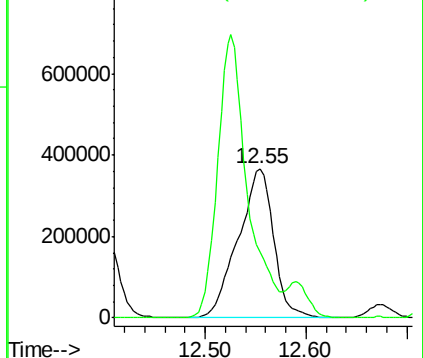
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN054380.D (-3260) (-)

Ion 77.00 (76.70 to 77.70): VN054380.D (-3260) (-)





#77

Bromobenzene

Concen: 50.989 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN054380.D

Acq: 18 Mar 2019 8:50

Instrument :

MSVOA_N

ClientSampleId :

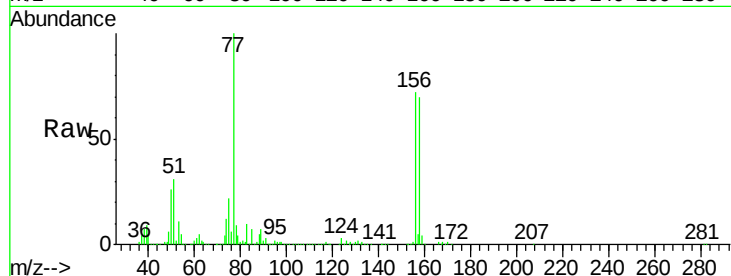
Tot Ion:156 Resp: 885287

Ion Ratio Lower Upper

156 100

77 163.1 81.5 244.4

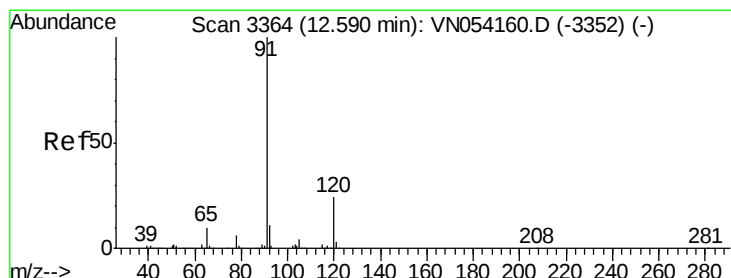
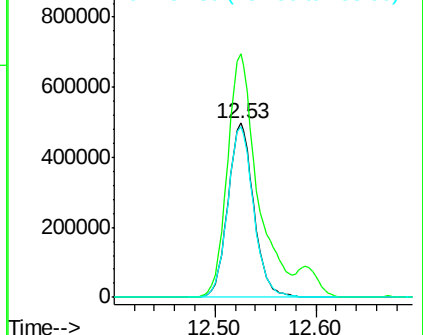
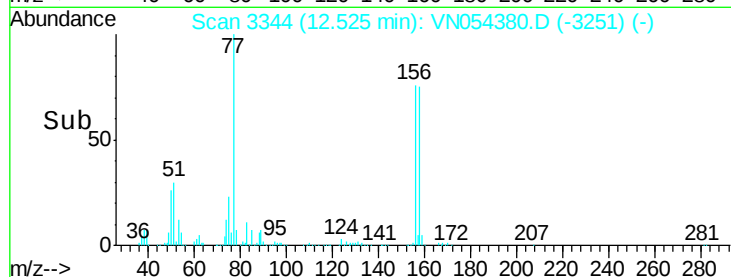
158 98.4 49.0 147.2



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: 51.821 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN054380.D

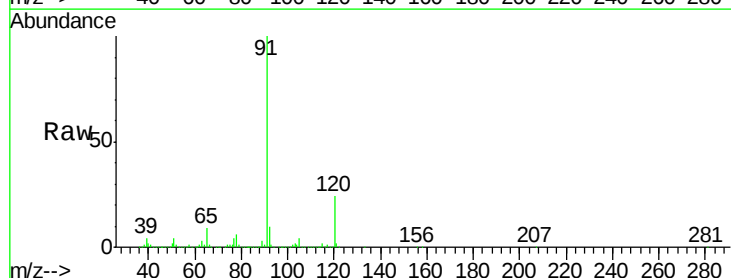
Acq: 18 Mar 2019 8:50

Tgt Ion: 91 Resp: 3689387

Ion Ratio Lower Upper

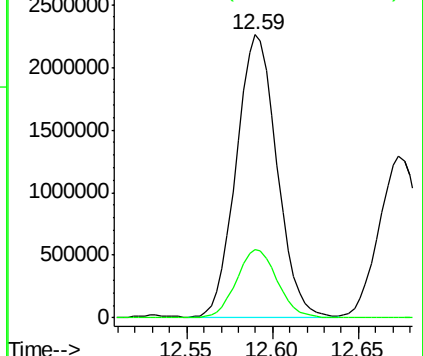
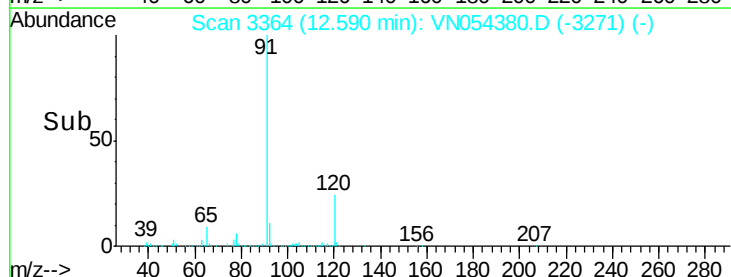
91 100

120 24.5 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.150 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN054380.D

Acq: 18 Mar 2019 8:50

Instrument :

MSVOA_N

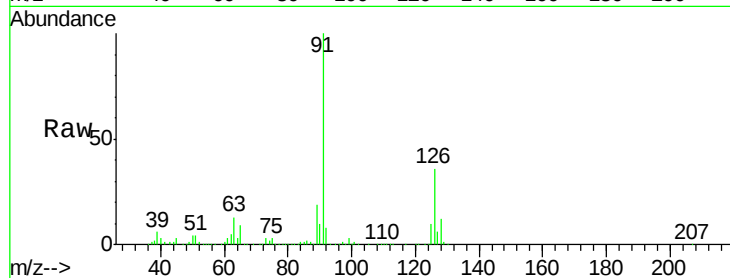
ClientSampled :

Tot Ion: 91 Resp: 2189607

Ion Ratio Lower Upper

91 100

126 37.4 18.7 56.1



Abundance Ion 91.00 (90.70 to 91.70): VN054380.D (-3297) (-)

Ion 125.90 (125.60 to 126.60): VN054380.D (-3297) (-)

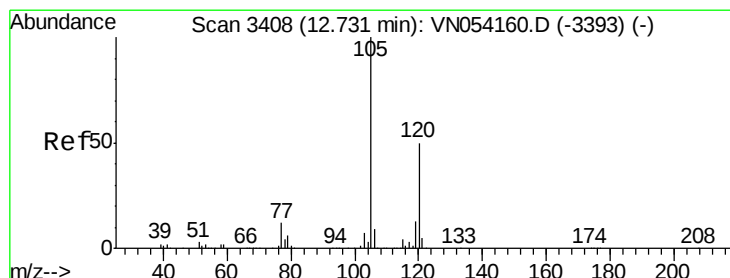
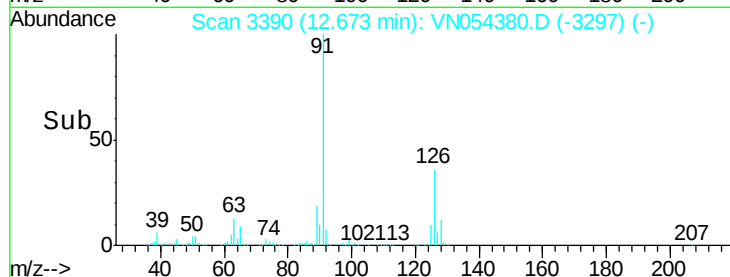
12.67

1000000

500000

0

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 49.878 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN054380.D

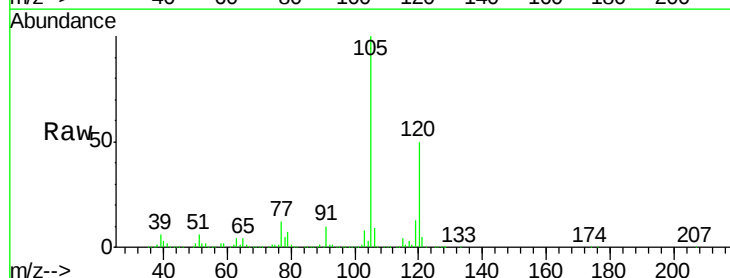
Acq: 18 Mar 2019 8:50

Tgt Ion: 105 Resp: 2722157

Ion Ratio Lower Upper

105 100

120 50.6 25.0 75.0



Abundance Ion 105.00 (104.70 to 105.70): VN054380.D (-3315) (-)

Ion 120.00 (119.70 to 120.70): VN054380.D (-3315) (-)

12.73

2000000

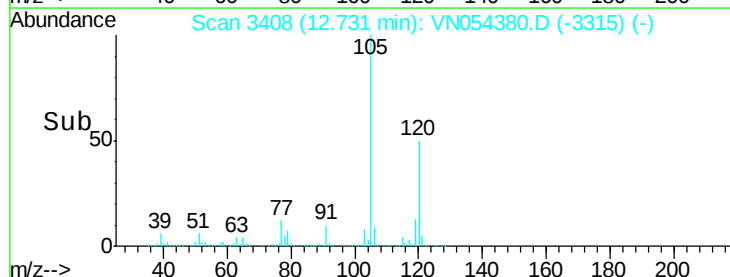
1500000

1000000

500000

0

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 46.603 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN054380.D

Acq: 18 Mar 2019 8:50

Instrument :

MSVOA_N

ClientSampled :

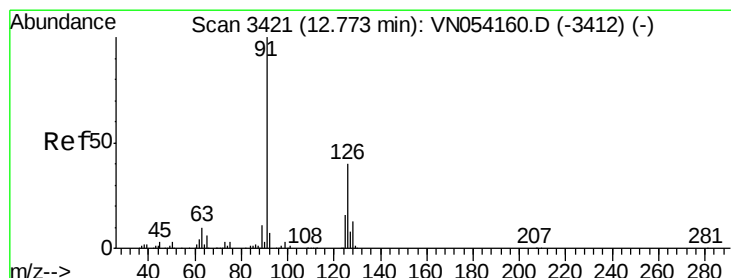
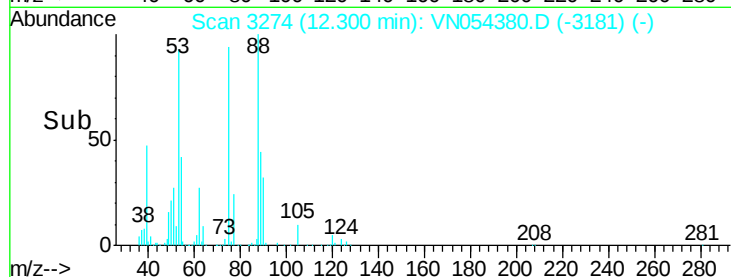
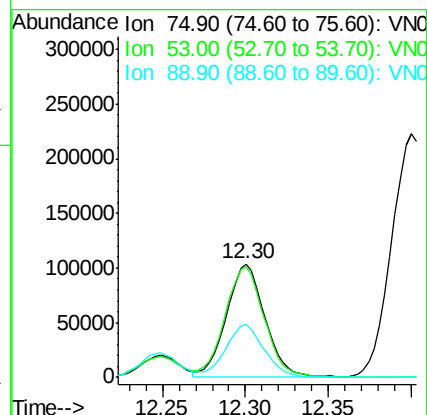
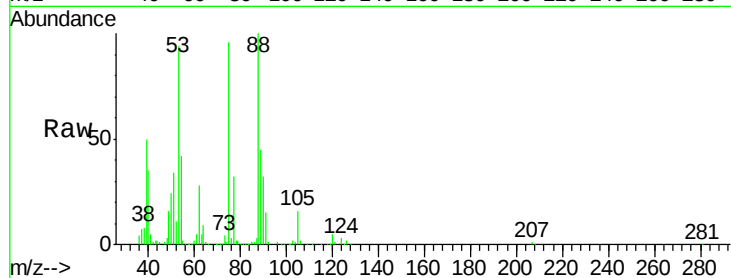
Tot Ion: 75 Resp: 164412

Ion Ratio Lower Upper

75 100

53 101.9 76.2 114.2

89 47.3 39.2 58.8



#82

4-Chlorotoluene

Concen: 52.183 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN054380.D

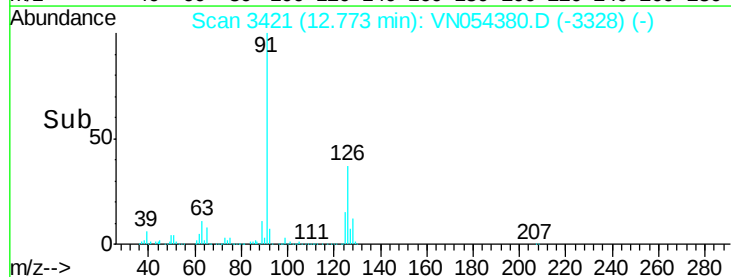
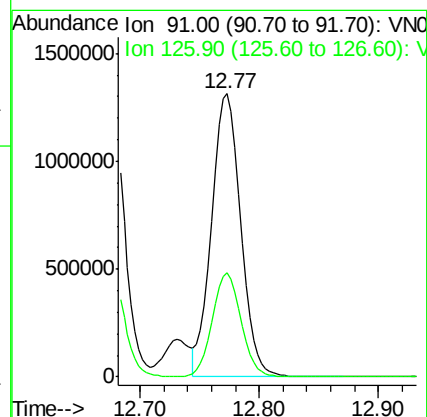
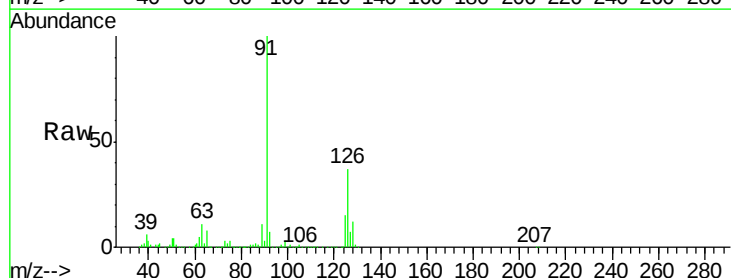
Acq: 18 Mar 2019 8:50

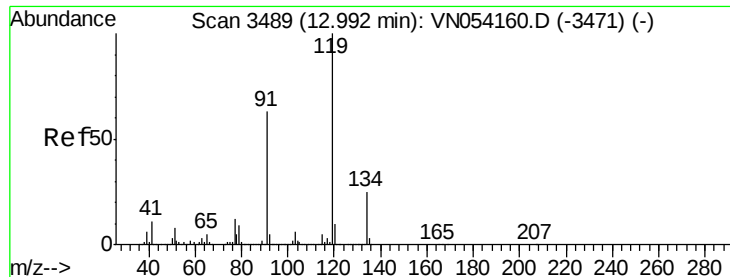
Tgt Ion: 91 Resp: 2230514

Ion Ratio Lower Upper

91 100

126 36.3 18.1 54.1





#83

tert-Butylbenzene

Concen: 47.900 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN054380.D

Acq: 18 Mar 2019 8:50

Instrument :

MSVOA_N

ClientSampleId :

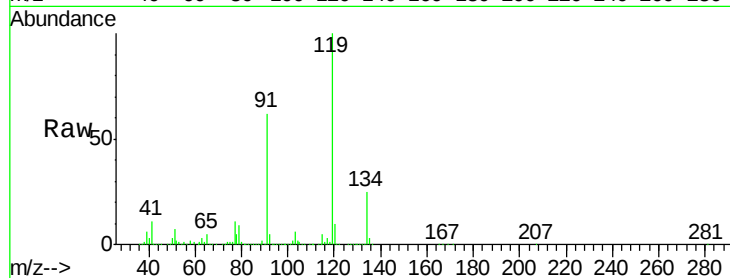
Tot Ion:119 Resp: 2406253

Ion Ratio Lower Upper

119 100

91 61.9 30.9 92.8

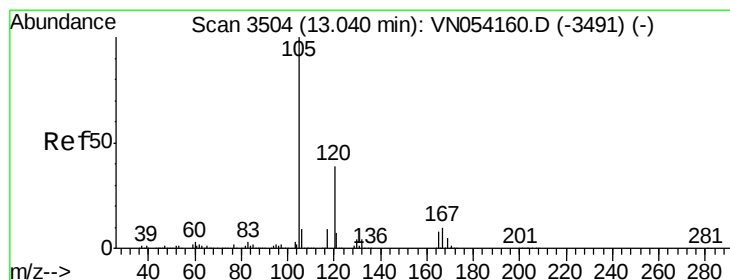
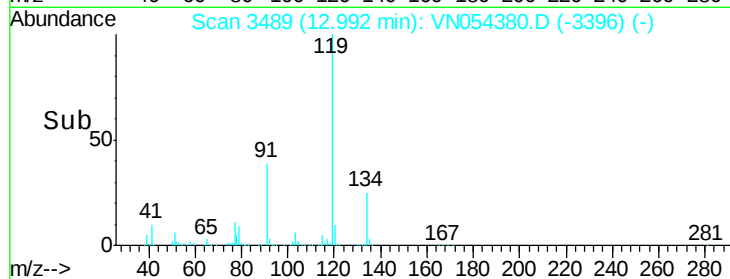
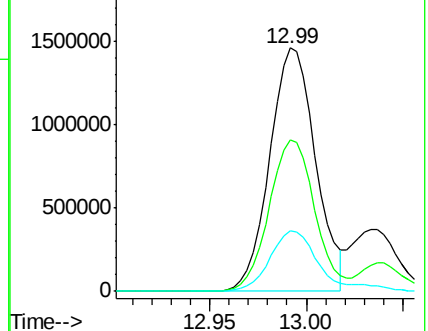
134 27.0 13.2 39.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 51.418 ug/l

RT: 13.04 min Scan# 3503

Delta R.T. -0.00 min

Lab File: VN054380.D

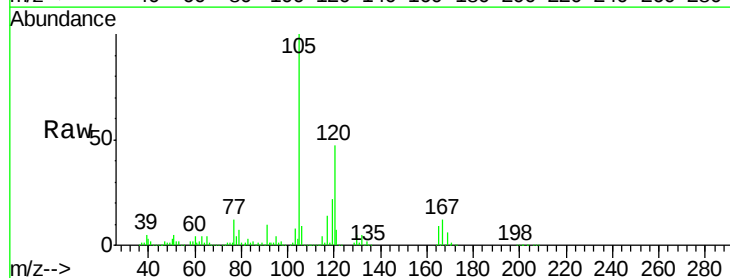
Acq: 18 Mar 2019 8:50

Tgt Ion:105 Resp: 2753033

Ion Ratio Lower Upper

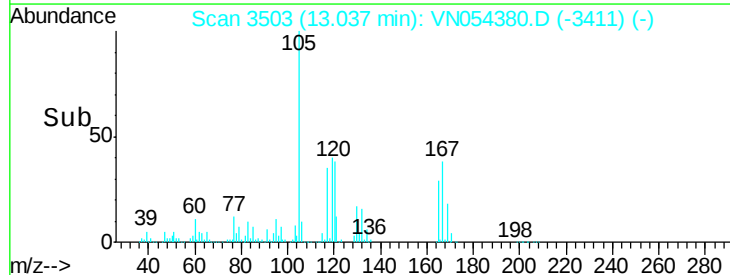
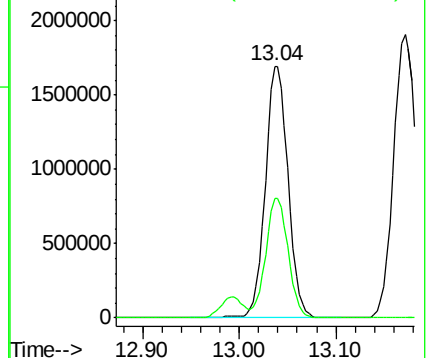
105 100

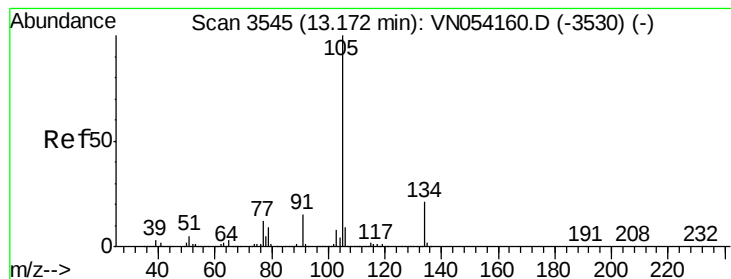
120 47.0 23.4 70.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 47.888 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN054380.D

Acq: 18 Mar 2019 8:50

Instrument :

MSVOA_N

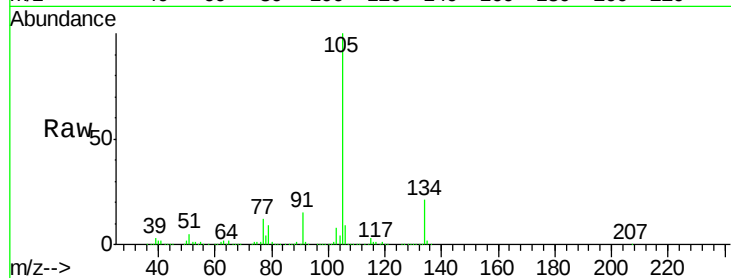
ClientSampleId :

Tot Ion:105 Resp: 3119771

Ion Ratio Lower Upper

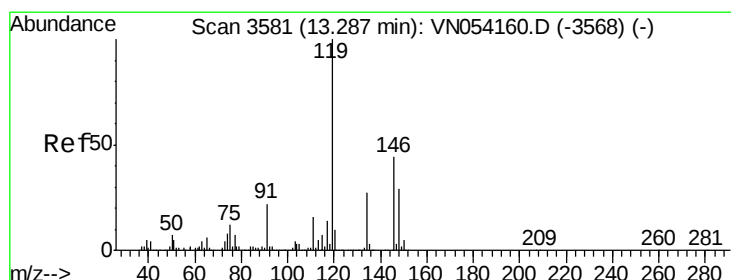
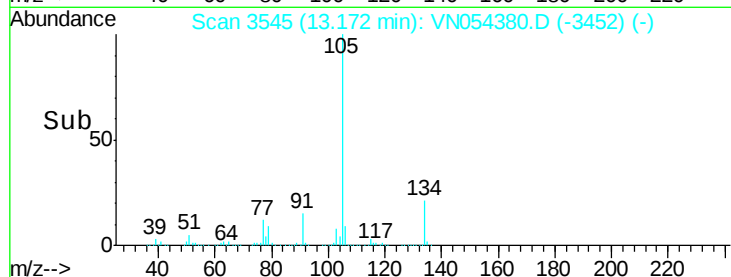
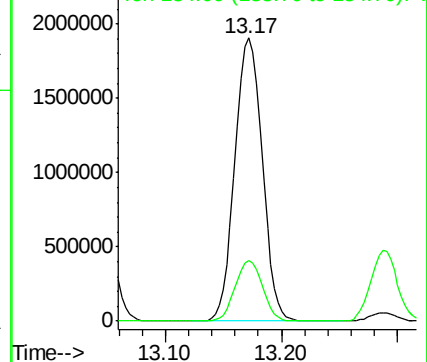
105 100

134 21.3 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: 48.747 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN054380.D

Acq: 18 Mar 2019 8:50

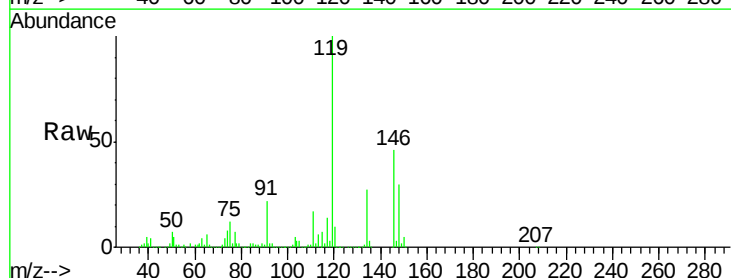
Tgt Ion:119 Resp: 2786054

Ion Ratio Lower Upper

119 100

134 27.2 13.6 40.8

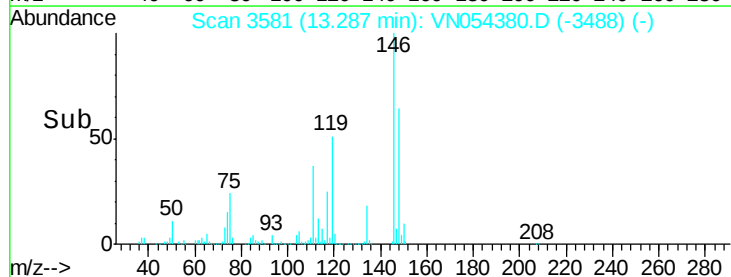
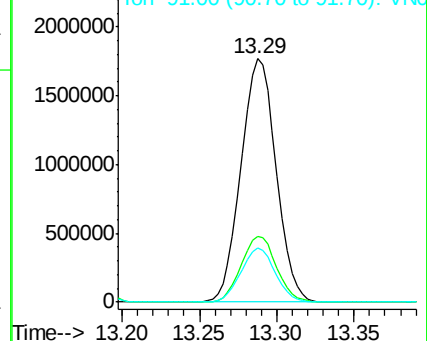
91 21.7 11.1 33.3

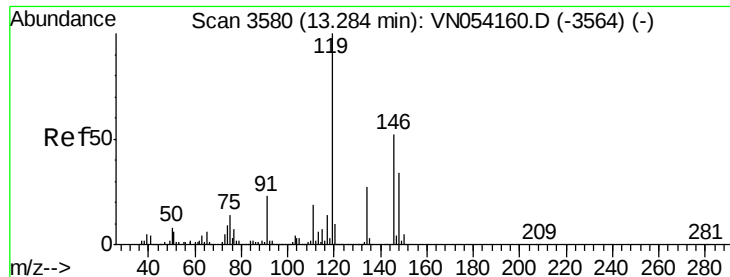


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 52.379 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN054380.D

Acq: 18 Mar 2019 8:50

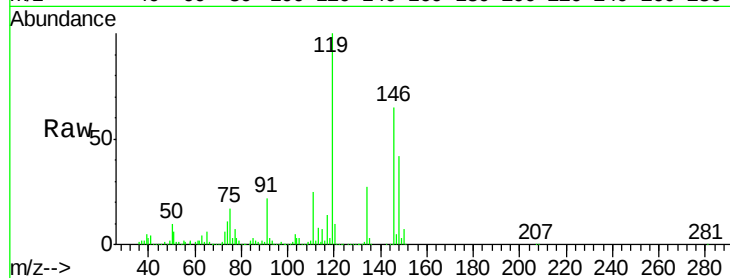
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:146 Resp: 1532391

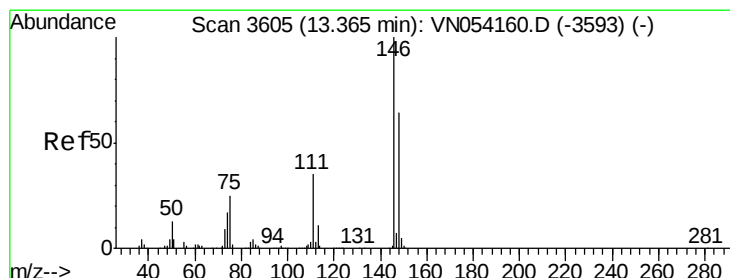
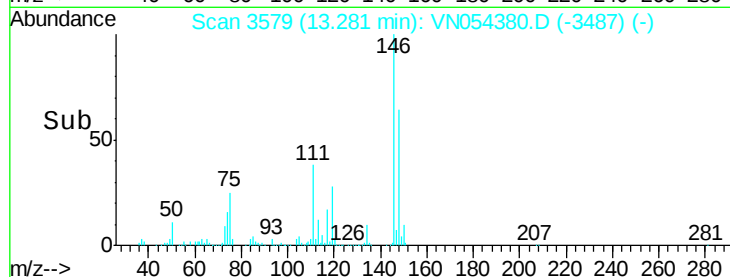
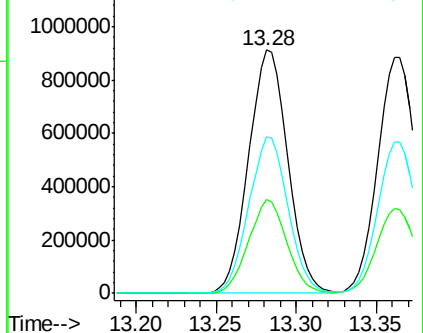
Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.8	56.3
148	64.3	32.2	96.6



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 52.067 ug/l

RT: 13.36 min Scan# 3605

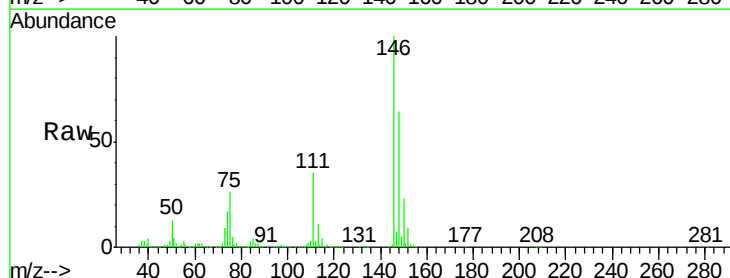
Delta R.T. 0.00 min

Lab File: VN054380.D

Acq: 18 Mar 2019 8:50

Tgt Ion:146 Resp: 1496399

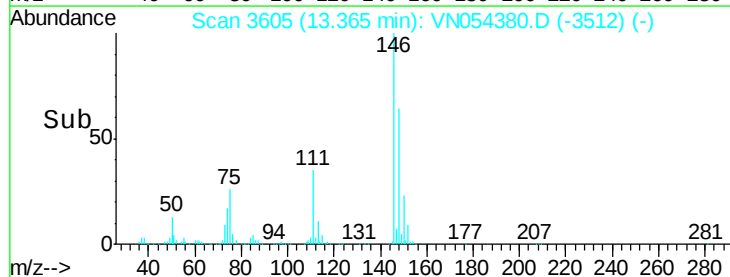
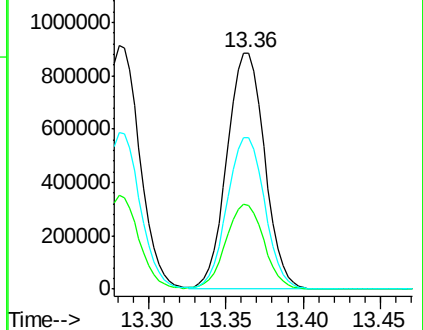
Ion	Ratio	Lower	Upper
146	100		
111	36.2	18.1	54.1
148	64.4	32.0	96.0

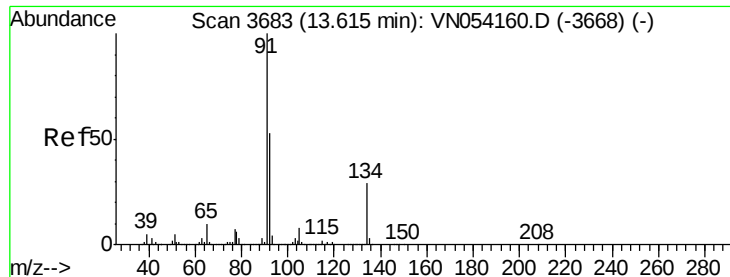


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

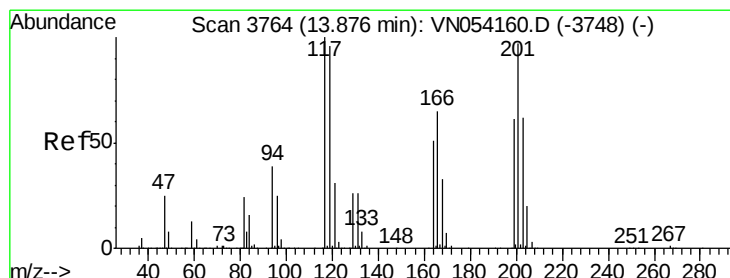
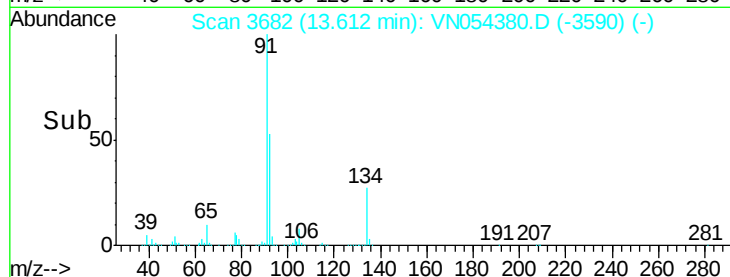
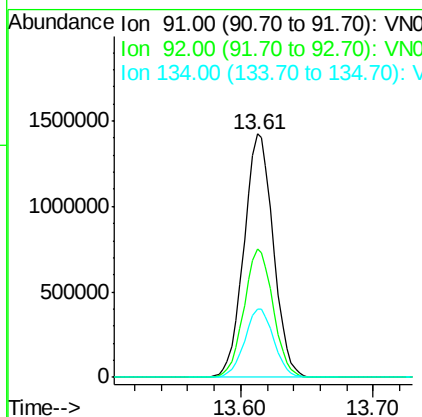
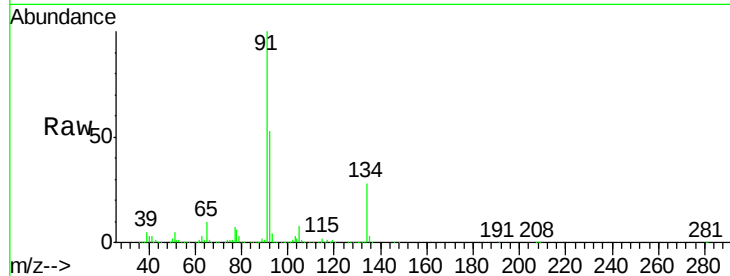




#89
n-Butylbenzene
Concen: 50.176 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN054380.D
Acq: 18 Mar 2019 8:50

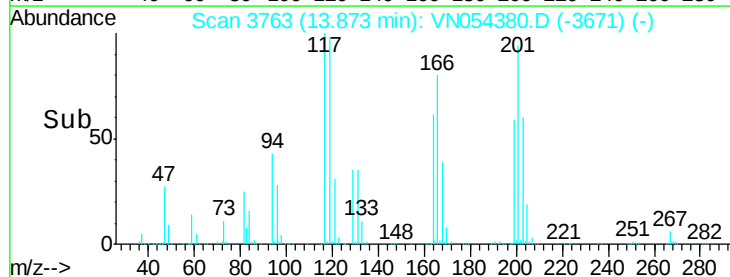
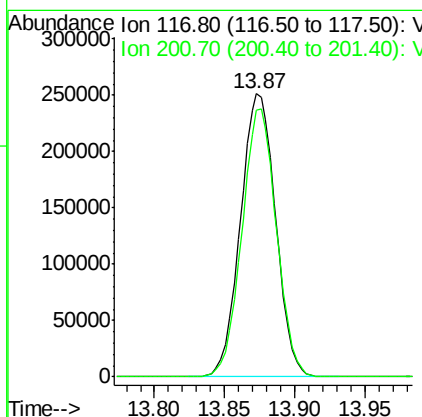
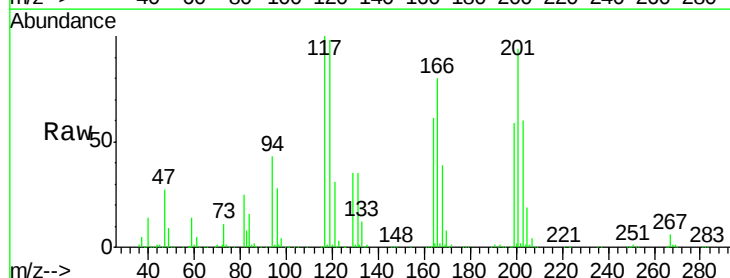
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 91 Resp: 2178962
Ion Ratio Lower Upper
91 100
92 52.6 26.2 78.6
134 27.9 14.3 42.9



#90
Hexachloroethane
Concen: 46.313 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN054380.D
Acq: 18 Mar 2019 8:50

Tgt Ion: 117 Resp: 438299
Ion Ratio Lower Upper
117 100
201 92.9 48.1 144.4

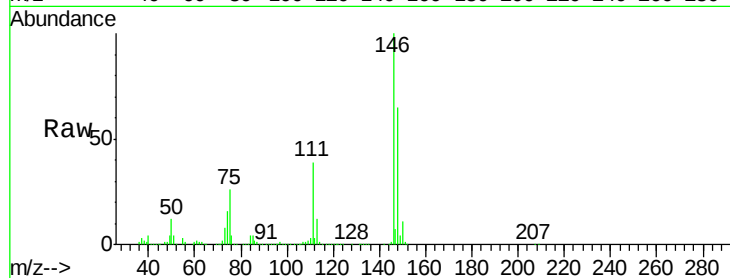




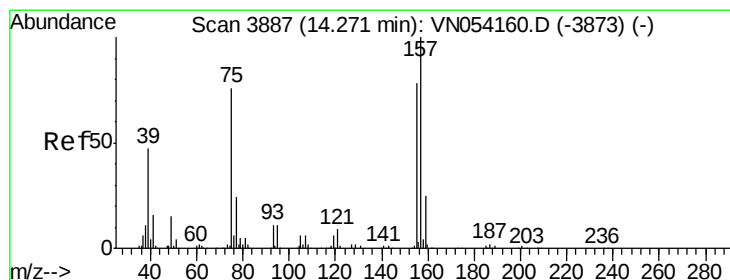
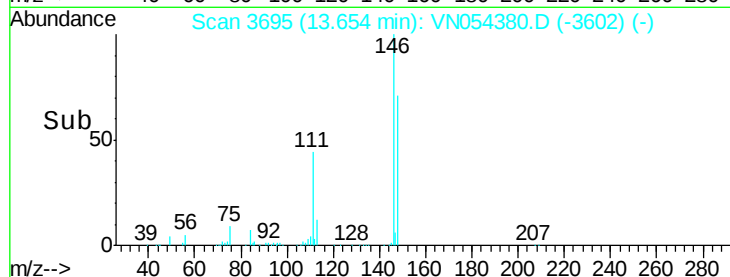
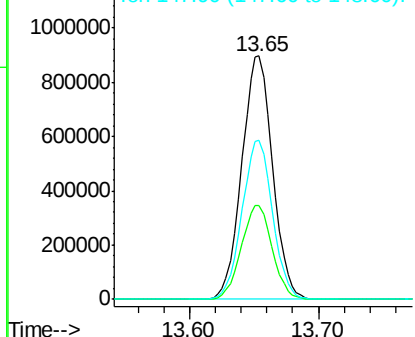
#91
 1,2-Dichlorobenzene
 Concen: 52.035 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN054380.D
 Acq: 18 Mar 2019 8:50

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:146 Resp: 1488213
 Ion Ratio Lower Upper
 146 100
 111 38.7 19.1 57.3
 148 64.9 32.4 97.0

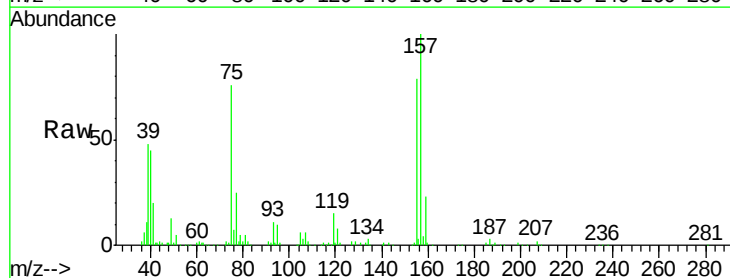


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

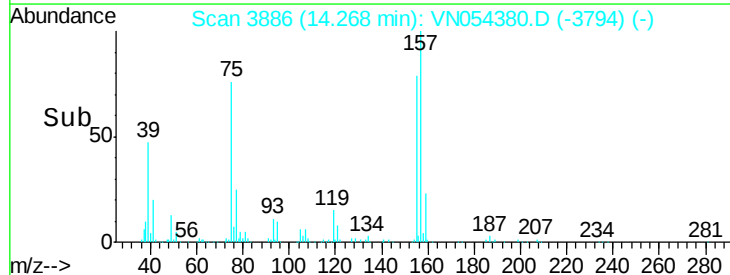
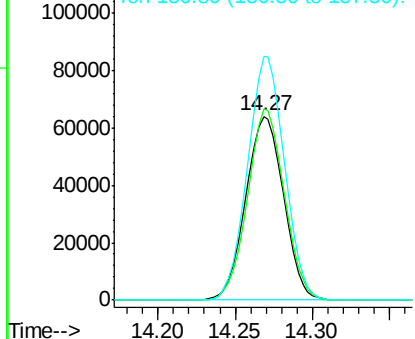


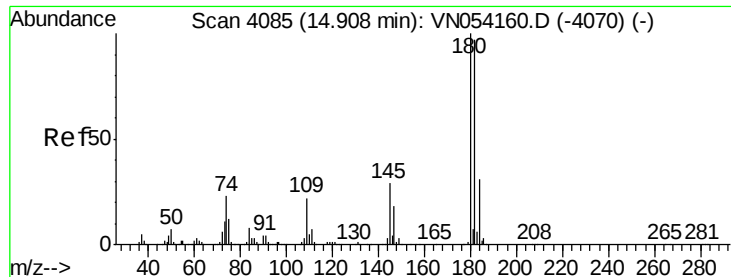
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.552 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN054380.D
 Acq: 18 Mar 2019 8:50

Tgt Ion: 75 Resp: 109354
 Ion Ratio Lower Upper
 75 100
 155 100.8 50.1 150.3
 157 129.6 63.1 189.3



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V





#93

1,2,4-Trichlorobenzene

Concen: 44.108 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN054380.D

Acq: 18 Mar 2019 8:50

Instrument :

MSVOA_N

ClientSampleId :

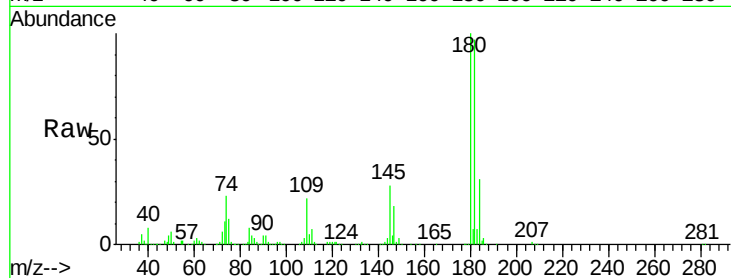
Tot Ion:180 Resp: 756218

Ion Ratio Lower Upper

180 100

182 95.9 48.0 144.2

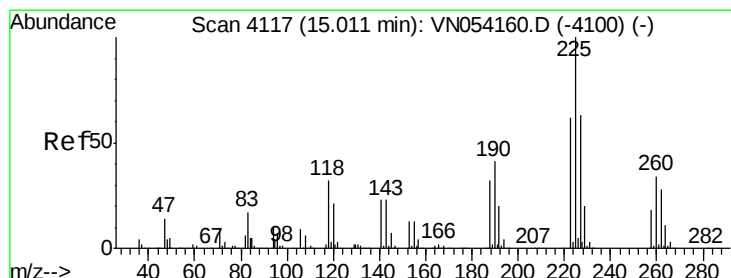
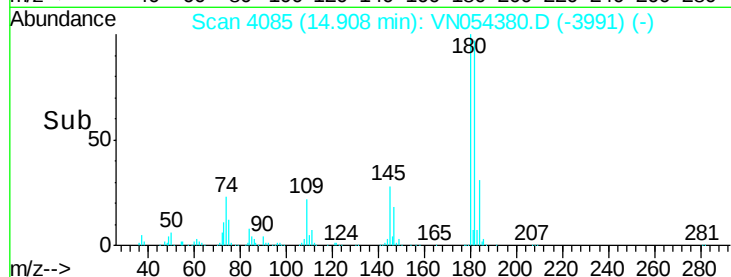
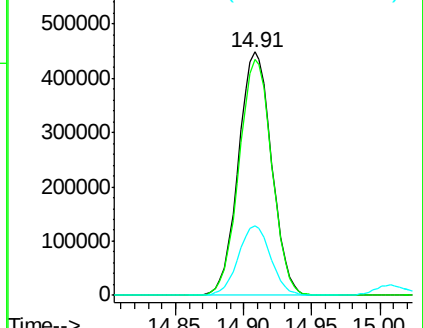
145 28.0 14.2 42.8



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 40.622 ug/l

RT: 15.01 min Scan# 4116

Delta R.T. -0.00 min

Lab File: VN054380.D

Acq: 18 Mar 2019 8:50

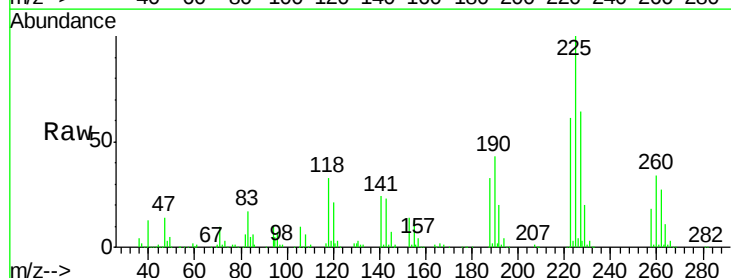
Tgt Ion:225 Resp: 442531

Ion Ratio Lower Upper

225 100

223 61.3 31.1 93.5

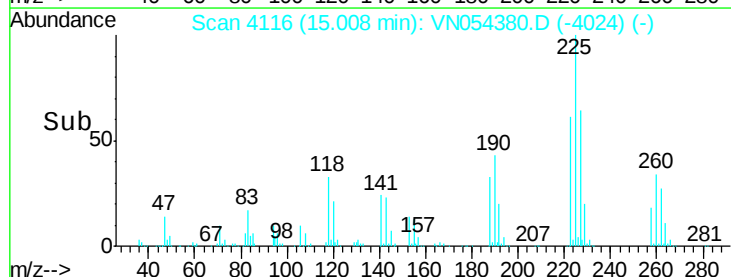
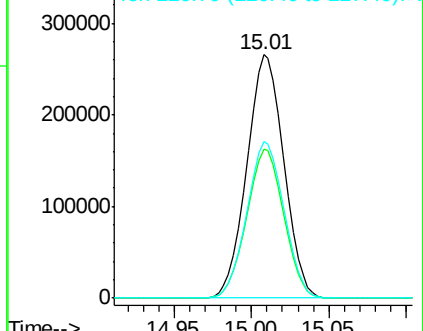
227 64.5 31.9 95.9

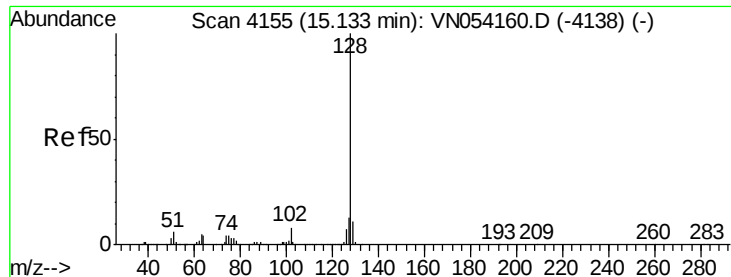


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 43.604 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN054380.D

Acq: 18 Mar 2019 8:50

Instrument :

MSVOA_N

ClientSampleId :

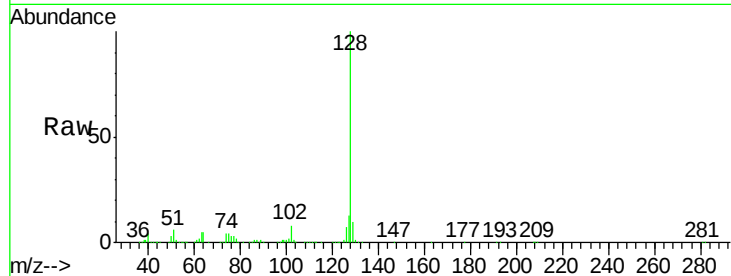
Tot Ion:128 Resp: 1551273

Ion Ratio Lower Upper

128 100

127 12.7 10.1 15.1

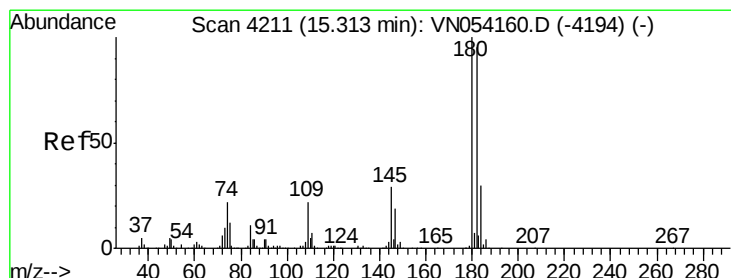
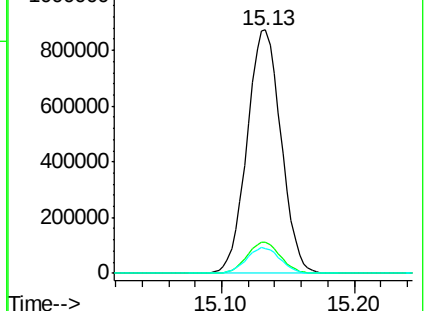
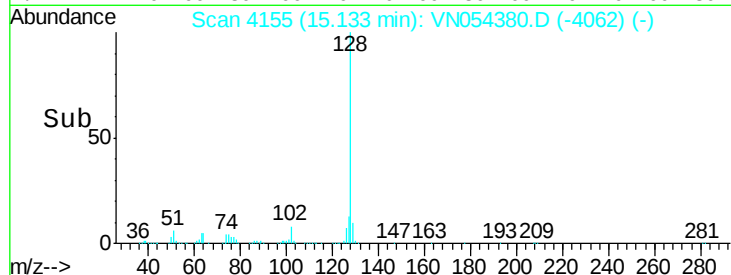
129 10.6 8.7 13.1



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: 48.089 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN054380.D

Acq: 18 Mar 2019 8:50

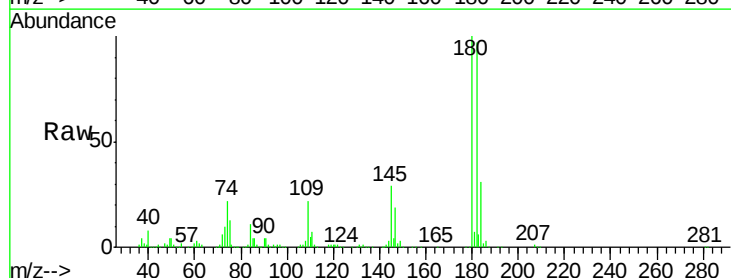
Tgt Ion:180 Resp: 730761

Ion Ratio Lower Upper

180 100

182 95.3 47.5 142.6

145 29.5 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

