

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031319\
 Data File : VN054206.D
 Acq On : 13 Mar 2019 12:36
 Operator : JC/SP
 Sample : VN0313WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 14 05:15:42 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	1386216	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	2134300	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1862433	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	900734	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	747045	50.74	ug/l	0.00
Spiked Amount			Recovery	=	101.48%	
35) Dibromofluoromethane	7.59	113	681649	49.52	ug/l	0.00
Spiked Amount			Recovery	=	99.04%	
50) Toluene-d8	10.09	98	2479494	48.77	ug/l	0.00
Spiked Amount			Recovery	=	97.54%	
62) 4-Bromofluorobenzene	12.40	95	850014	47.79	ug/l	0.00
Spiked Amount			Recovery	=	95.58%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	281486	21.426	ug/l	97
3) Chloromethane	2.06	50	256633	20.110	ug/l	98
4) Vinyl Chloride	2.19	62	296295	20.313	ug/l	99
5) Bromomethane	2.58	94	212817	21.066	ug/l	98
6) Chloroethane	2.71	64	174267	19.746	ug/l	100
7) Trichlorofluoromethane	3.03	101	389210	20.070	ug/l	99
8) Diethyl Ether	3.41	74	189277	21.418	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.75	101	313660	21.584	ug/l	97
10) Methyl Iodide	3.94	142	350963	17.994	ug/l	100
11) Tert butyl alcohol	4.82	59	93134	92.282	ug/l	99
12) 1,1-Dichloroethene	3.73	96	308089	21.393	ug/l	99
13) Acrolein	3.61	56	81324	85.037	ug/l	96
14) Allyl chloride	4.32	41	375094	20.300	ug/l	99
15) Acrylonitrile	5.00	53	431283	104.033	ug/l	99
16) Acetone	3.82	43	381596	90.530	ug/l	99
17) Carbon Disulfide	4.04	76	707914	19.609	ug/l	100
18) Methyl Acetate	4.33	43	188285	22.079	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	750031	21.011	ug/l	99
20) Methylene Chloride	4.54	84	294273	21.262	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	290275	21.037	ug/l	99
22) Diisopropyl ether	5.96	45	771522	20.921	ug/l	99
23) Vinyl Acetate	5.90	43	2790159	102.617	ug/l	100
24) 1,1-Dichloroethane	5.85	63	497040	20.991	ug/l	99
25) 2-Butanone	6.85	43	500878	101.243	ug/l	99
26) 2,2-Dichloropropane	6.82	77	402237	19.317	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	329456	21.402	ug/l	99
28) Bromochloromethane	7.19	49	195064	20.151	ug/l	100
29) Tetrahydrofuran	7.22	42	327291	102.892	ug/l	100
30) Chloroform	7.37	83	524898	21.244	ug/l	100
31) Cyclohexane	7.65	56	462445	20.157	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	465078	20.842	ug/l	99
36) 1,1-Dichloropropene	7.79	75	390892	19.888	ug/l	98
37) Ethyl Acetate	6.93	43	228557	20.238	ug/l	98
38) Carbon Tetrachloride	7.77	117	396612	19.242	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	492476	20.364	ug/l	99
40) Benzene	8.04	78	1162492	20.668	ug/l	100
41) Methacrylonitrile	7.18	41	123313	19.123	ug/l	96
42) 1,2-Dichloroethane	8.12	62	393934	20.745	ug/l	100
43) Isopropyl Acetate	8.17	43	381095	19.225	ug/l	99
44) Trichloroethene	8.83	130	359784	20.592	ug/l	98
45) 1,2-Dichloropropane	9.12	63	293804	21.037	ug/l	100
46) Dibromomethane	9.21	93	196418	20.815	ug/l	99
47) Bromodichloromethane	9.40	83	382134	20.200	ug/l	100
48) Methyl methacrylate	9.20	41	208982	20.773	ug/l	99
49) 1,4-Dioxane	9.20	88	57240	402.255	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	1055548	100.618	ug/l	99
52) Toluene	10.16	92	739564	20.738	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	376818	18.710	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	435500	19.755	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	272292	20.910	ug/l	99
56) Ethyl methacrylate	10.43	69	316498	20.384	ug/l	100
57) 1,3-Dichloropropane	10.71	76	435596	20.458	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	568276	95.510	ug/l	100
59) 2-Hexanone	10.75	43	677832	97.104	ug/l	99
60) Dibromochloromethane	10.90	129	281366	19.197	ug/l	99
61) 1,2-Dibromoethane	11.01	107	269874	20.394	ug/l	99
64) Tetrachloroethene	10.63	164	366134	20.333	ug/l	98
65) Chlorobenzene	11.43	112	848731	20.754	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	299635	20.170	ug/l	100
67) Ethyl Benzene	11.51	91	1383507	20.409	ug/l	99
68) m/p-Xylenes	11.62	106	1091010	41.178	ug/l	99
69) o-Xylene	11.95	106	538029	20.831	ug/l	99
70) Styrene	11.96	104	831456	20.526	ug/l	99
71) Bromoform	12.13	173	184436	17.872	ug/l #	98
73) Isopropylbenzene	12.25	105	1429739	19.840	ug/l	100
74) N-amyl acetate	12.07	43	306117	19.137	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	299823	19.528	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	366389	27.661	ug/l #	100
77) Bromobenzene	12.53	156	378618	19.855	ug/l	97
78) n-propylbenzene	12.59	91	1556301	19.903	ug/l	100
79) 2-Chlorotoluene	12.67	91	929926	19.779	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1185047	19.770	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	60388	15.585	ug/l	87
82) 4-Chlorotoluene	12.77	91	932342	19.859	ug/l	100
83) tert-Butylbenzene	12.99	119	1089485	19.747	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1184736	20.146	ug/l	99
85) sec-Butylbenzene	13.17	105	1417849	19.816	ug/l	100
86) p-Isopropyltoluene	13.29	119	1258889	20.055	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	660403	20.553	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	626468	19.846	ug/l	99
89) n-Butylbenzene	13.62	91	975266	20.448	ug/l	100
90) Hexachloroethane	13.87	117	180837	17.398	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	641279	20.415	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	44013	18.525	ug/l	98

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Quant Title : SW846 8260
QLast Update : Wed Mar 13 03:33:31 2019
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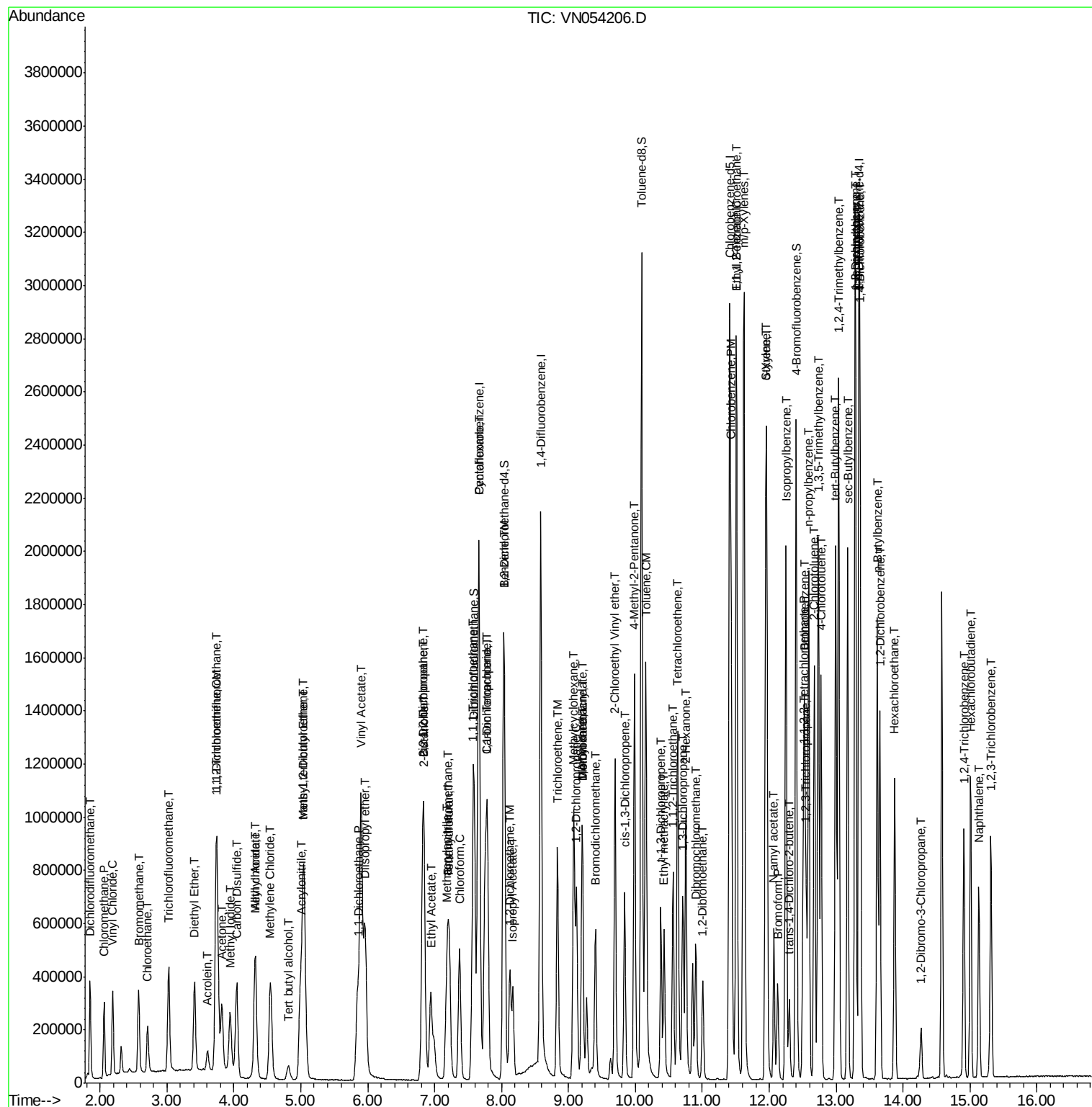
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	331889	19.136	ug/l	99
94) Hexachlorobutadiene	15.01	225	250436	20.931	ug/l	99
95) Naphthalene	15.13	128	643711	18.633	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	349423	20.936	ug/l	100

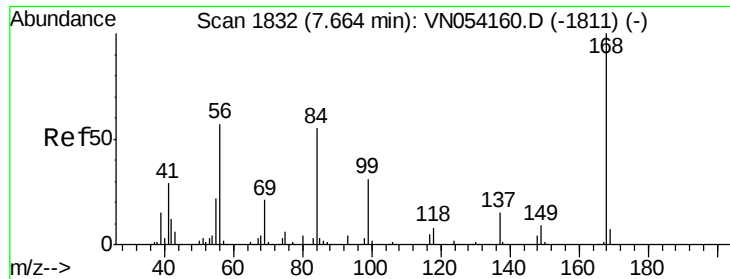
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN054206.D

Acq: 13 Mar 2019 12:36

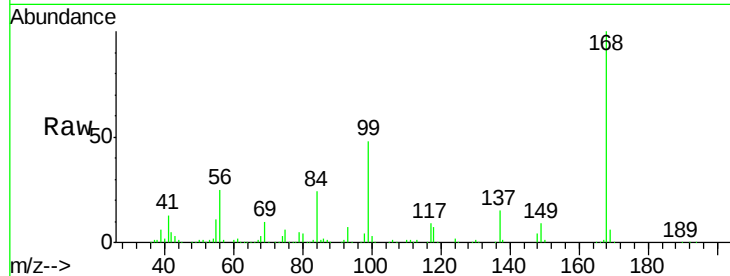
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 1386216

Ion Ratio Lower Upper

168 100

99 46.6 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

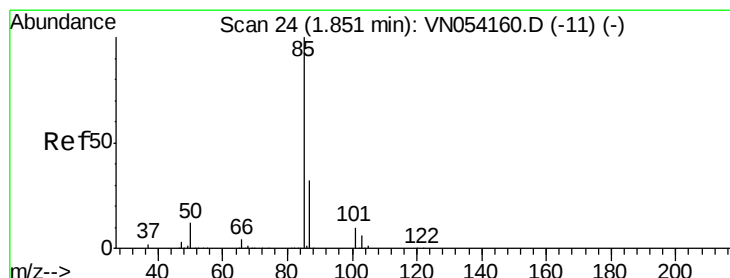
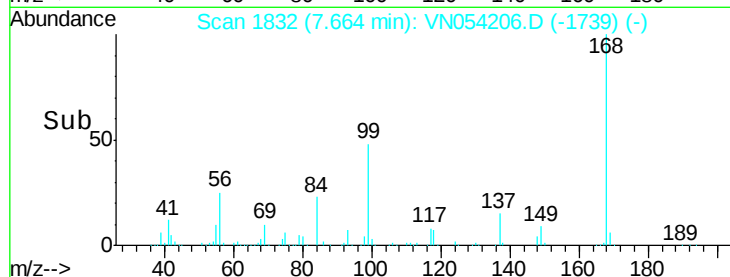
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 21.426 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN054206.D

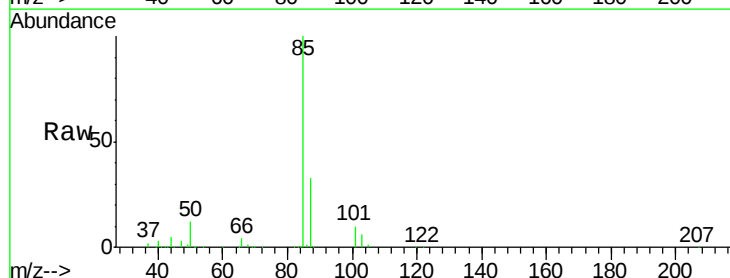
Acq: 13 Mar 2019 12:36

Tgt Ion: 85 Resp: 281486

Ion Ratio Lower Upper

85 100

87 33.3 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

200000

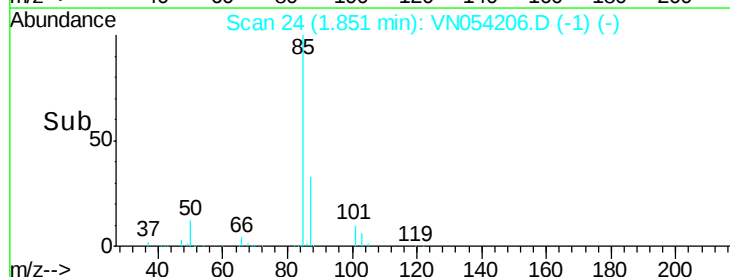
150000

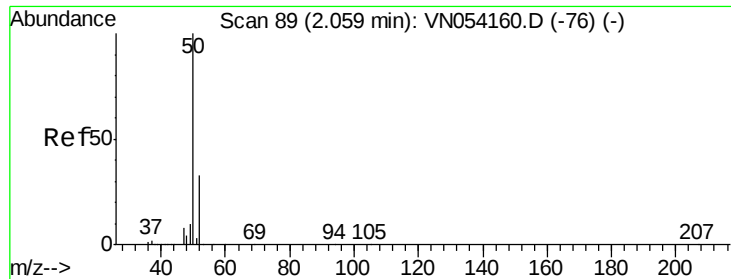
100000

50000

0

Time-->





#3

Chloromethane

Concen: 20.110 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN054206.D

Acq: 13 Mar 2019 12:36

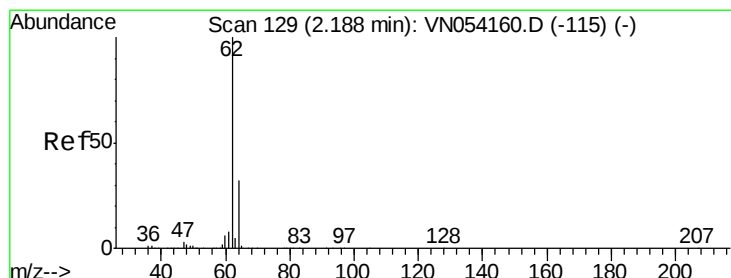
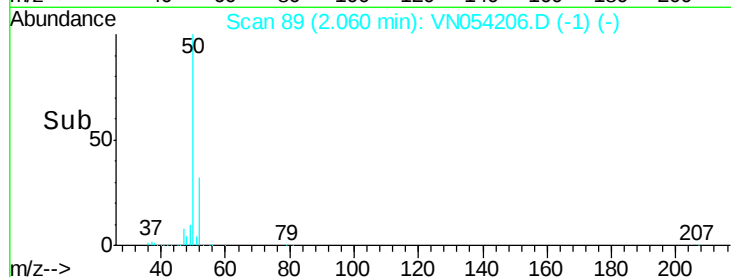
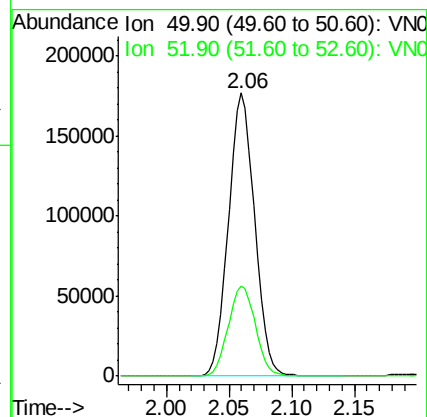
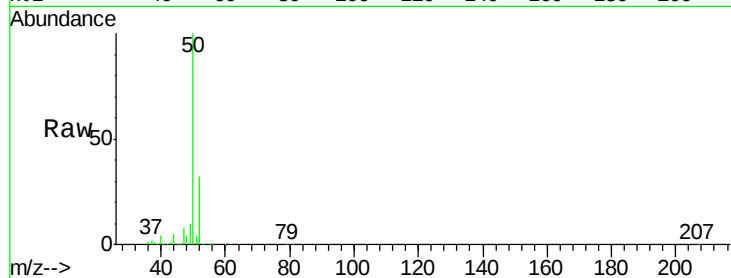
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 50 Resp: 256633

Ion Ratio Lower Upper

50 100

52 31.8 26.4 39.6



#4

Vinyl Chloride

Concen: 20.313 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN054206.D

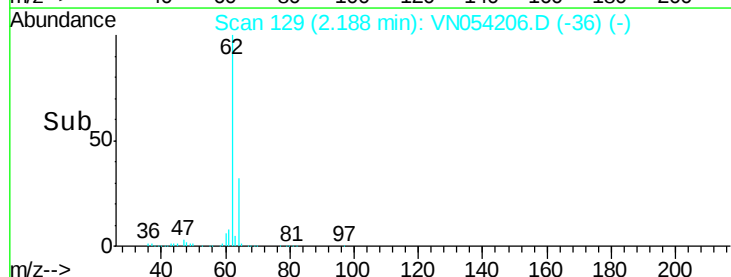
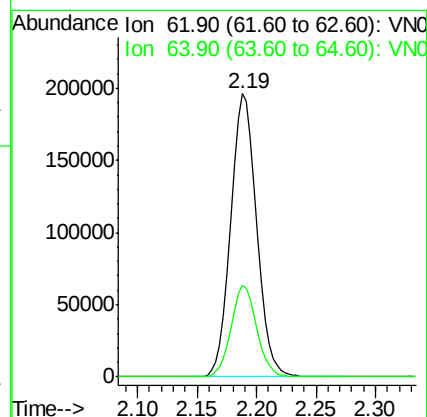
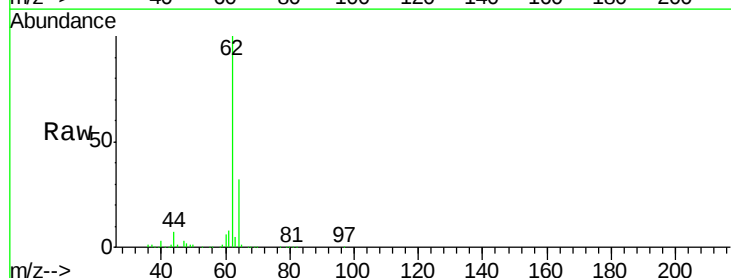
Acq: 13 Mar 2019 12:36

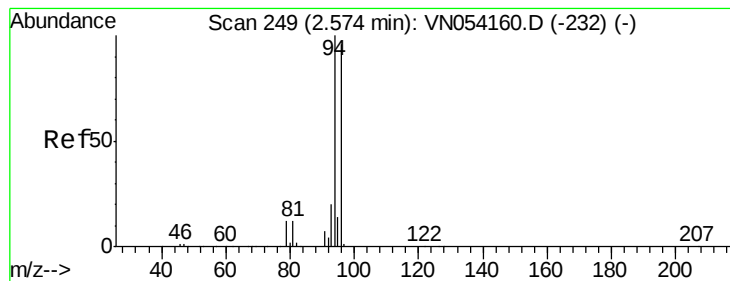
Tgt Ion: 62 Resp: 296295

Ion Ratio Lower Upper

62 100

64 32.3 25.5 38.3





#5

Bromomethane

Concen: 21.066 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN054206.D

Acq: 13 Mar 2019 12:36

Instrument :

MSVOA_N

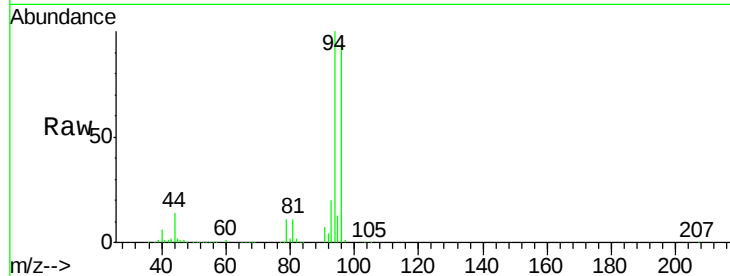
ClientSampled :

Tot Ion: 94 Resp: 212817

Ion Ratio Lower Upper

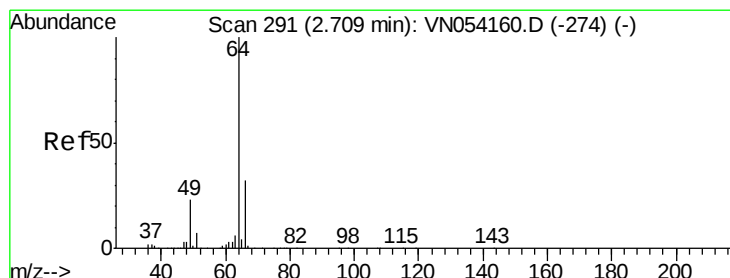
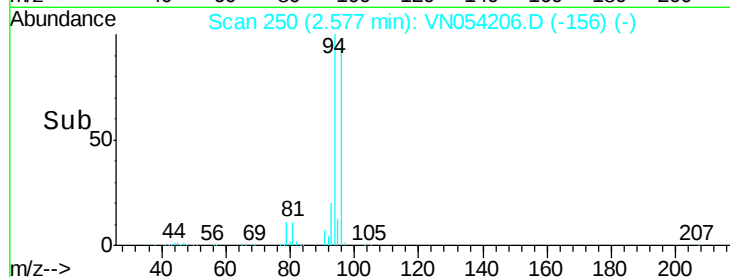
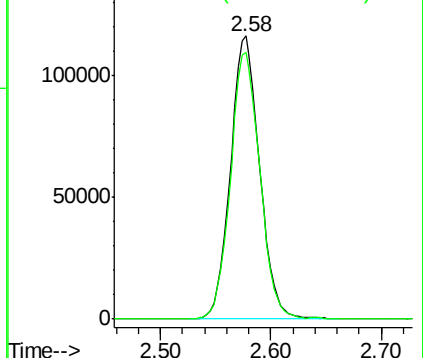
94 100

96 94.3 77.0 115.4



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 19.746 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN054206.D

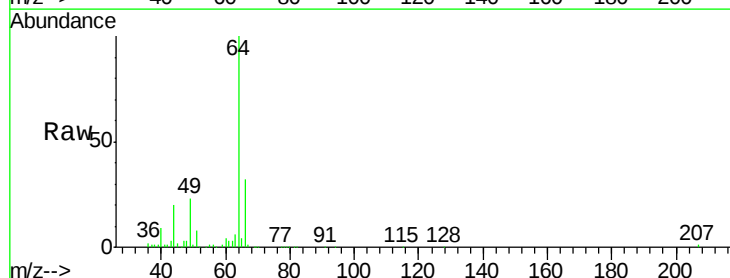
Acq: 13 Mar 2019 12:36

Tgt Ion: 64 Resp: 174267

Ion Ratio Lower Upper

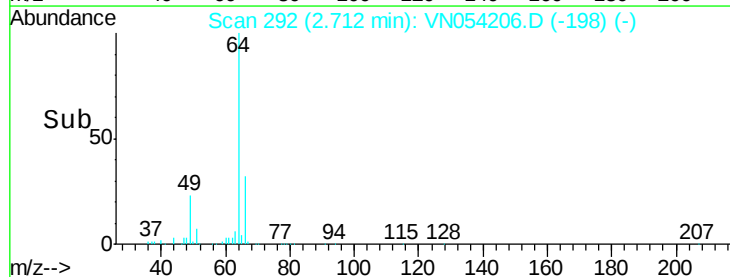
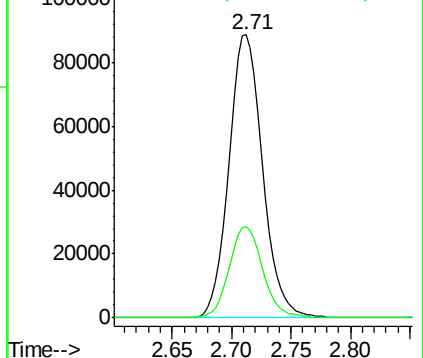
64 100

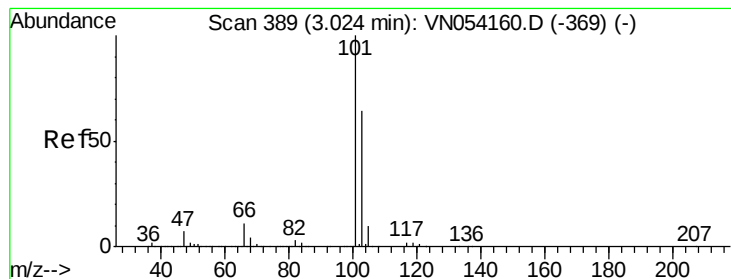
66 32.3 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



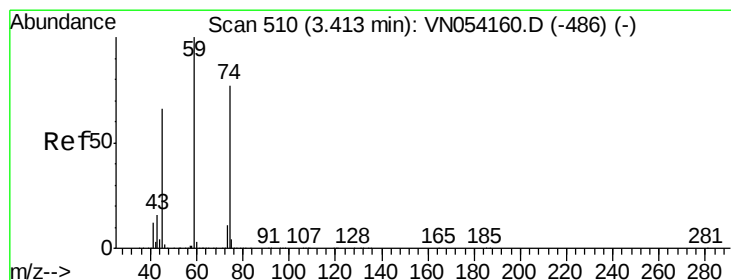
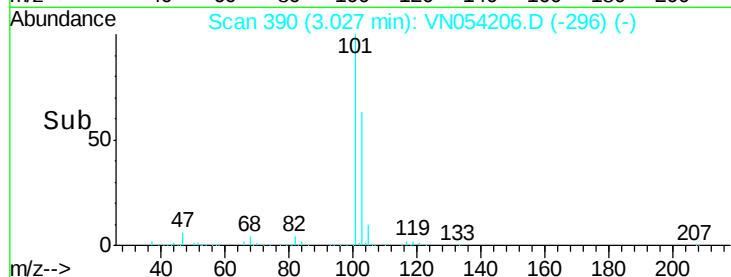
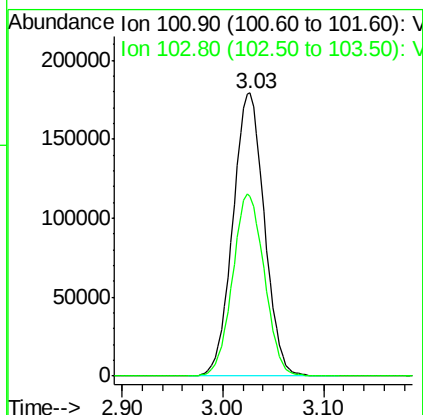
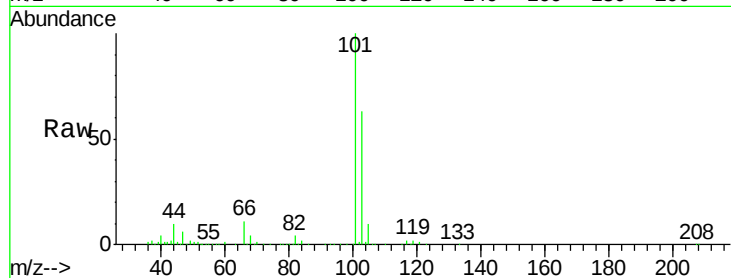


#7

Trichlorofluoromethane
Concen: 20.070 ug/l
RT: 3.03 min Scan# 390
Delta R.T. 0.00 min
Lab File: VN054206.D
Acq: 13 Mar 2019 12:36

Instrument :
MSVOA_N
ClientSampled :

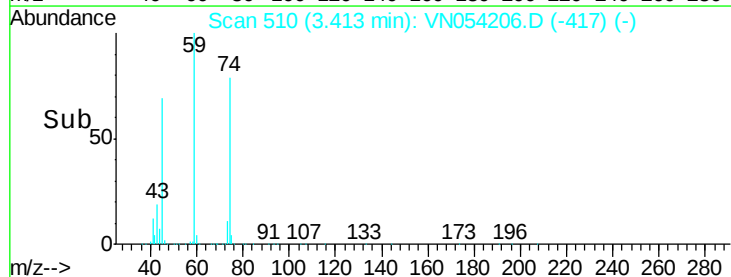
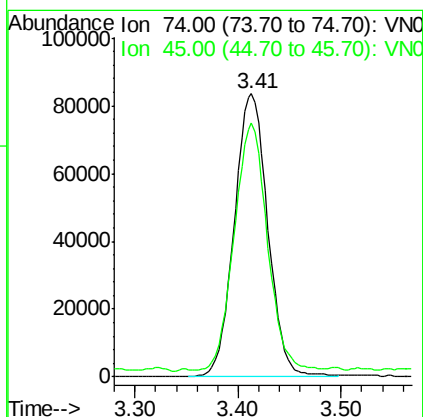
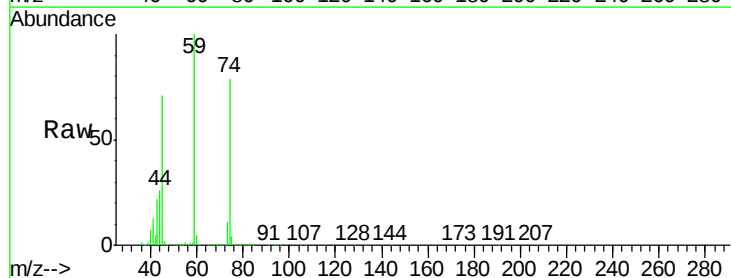
Tot Ion:101 Resp: 389210
Ion Ratio Lower Upper
101 100
103 63.5 51.4 77.2

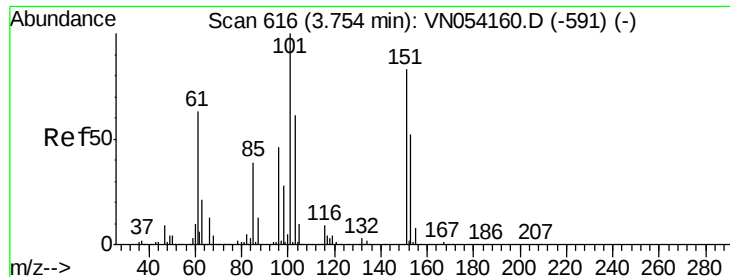


#8

Diethyl Ether
Concen: 21.418 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN054206.D
Acq: 13 Mar 2019 12:36

Tgt Ion: 74 Resp: 189277
Ion Ratio Lower Upper
74 100
45 86.3 43.1 129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.584 ug/l

RT: 3.75 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN054206.D

Acq: 13 Mar 2019 12:36

Instrument :

MSVOA_N

ClientSampled :

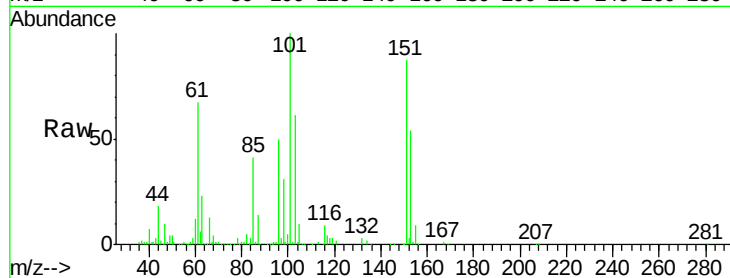
Tot Ion:101 Resp: 313660

Ion Ratio Lower Upper

101 100

85 41.9 32.4 48.6

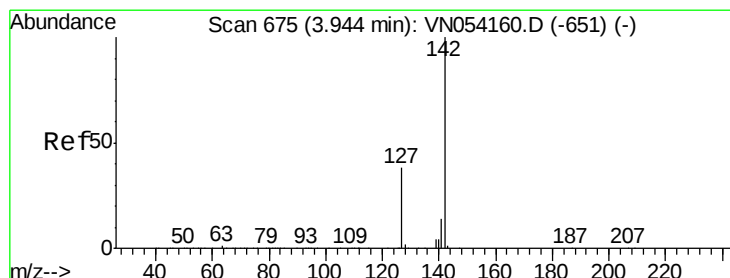
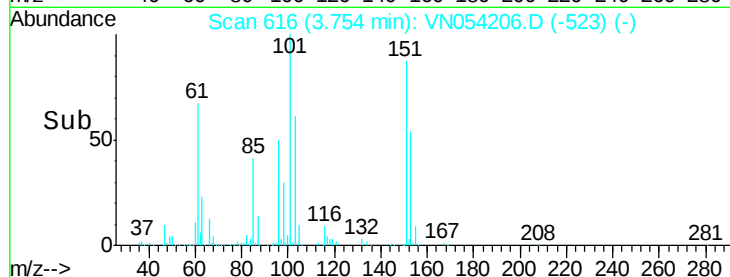
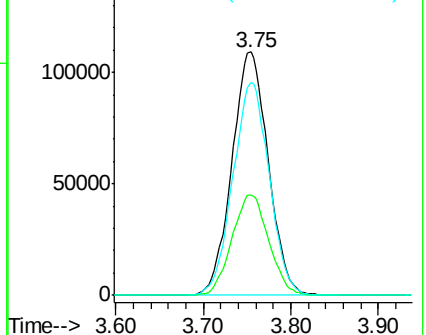
151 87.8 68.2 102.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 17.994 ug/l

RT: 3.94 min Scan# 675

Delta R.T. 0.00 min

Lab File: VN054206.D

Acq: 13 Mar 2019 12:36

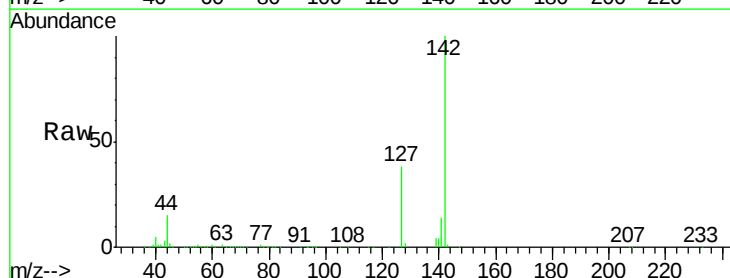
Tgt Ion:142 Resp: 350963

Ion Ratio Lower Upper

142 100

127 38.0 30.3 45.5

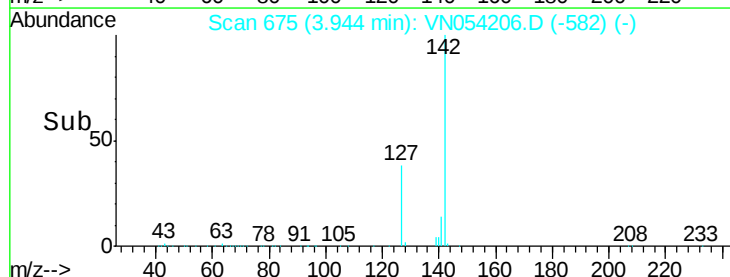
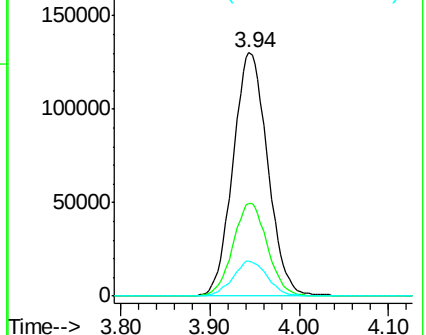
141 14.4 11.2 16.8

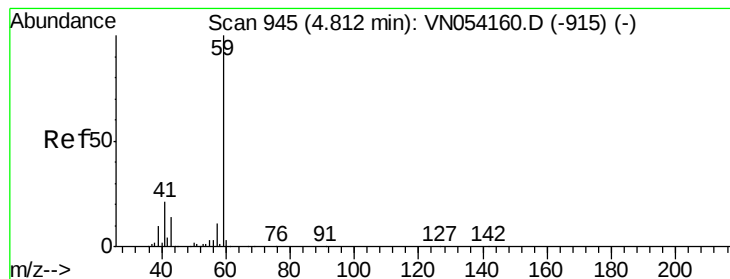


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



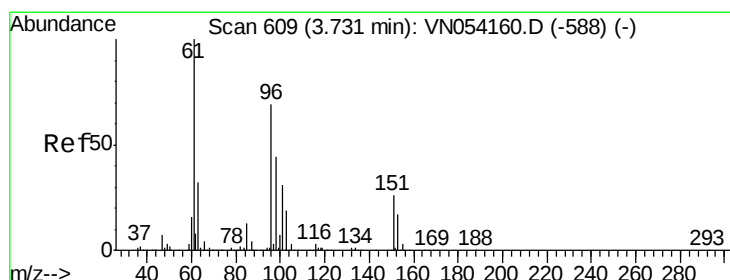
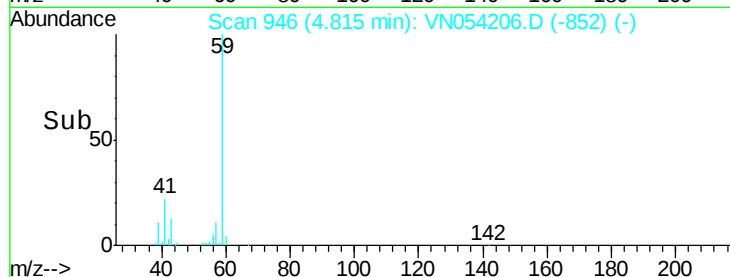
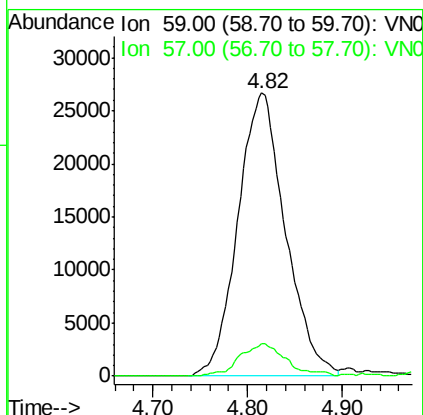
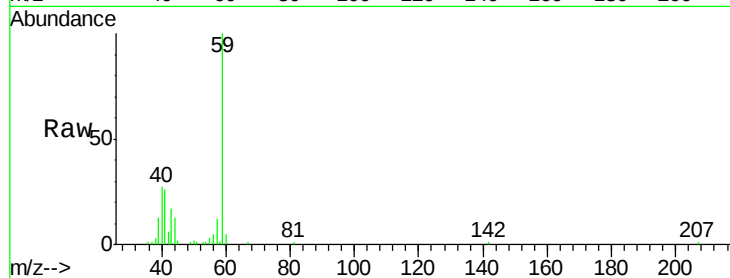


#11

Tert butyl alcohol
 Concen: 92.282 ug/l
 RT: 4.82 min Scan# 946
 Delta R.T. 0.00 min
 Lab File: VN054206.D
 Acq: 13 Mar 2019 12:36

Instrument :
 MSVOA_N
 ClientSampled :

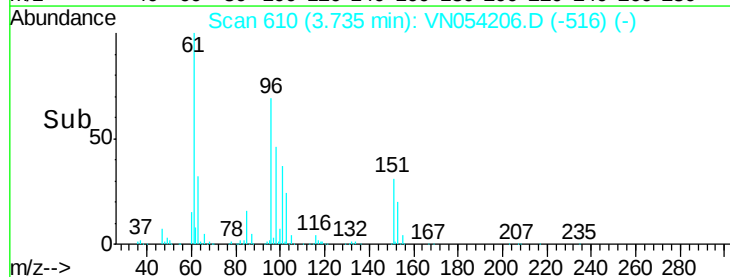
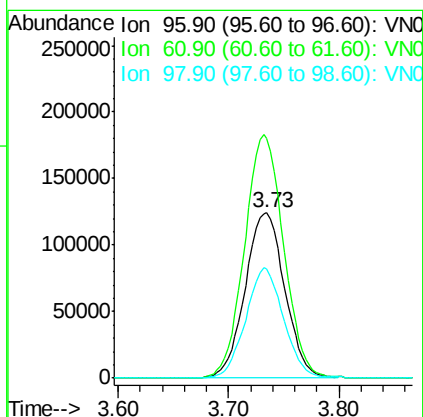
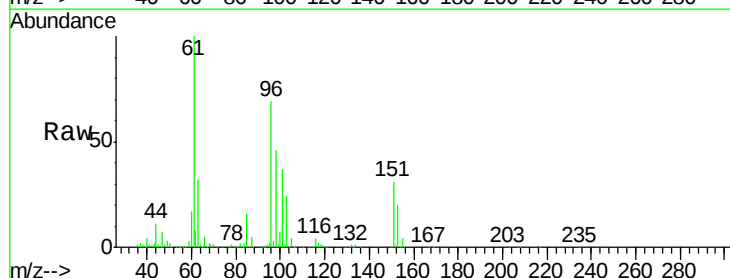
Tot Ion: 59 Resp: 93134
 Ion Ratio Lower Upper
 59 100
 57 11.0 9.0 13.6

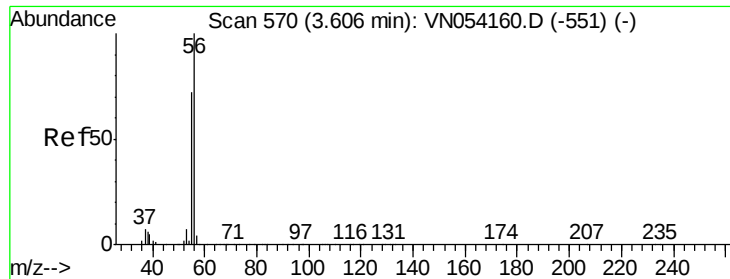


#12

1,1-Dichloroethene
 Concen: 21.393 ug/l
 RT: 3.73 min Scan# 610
 Delta R.T. 0.00 min
 Lab File: VN054206.D
 Acq: 13 Mar 2019 12:36

Tgt Ion: 96 Resp: 308089
 Ion Ratio Lower Upper
 96 100
 61 145.0 116.5 174.7
 98 66.1 51.0 76.4





#13

Acrolein

Concen: 85.037 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN054206.D

Acq: 13 Mar 2019 12:36

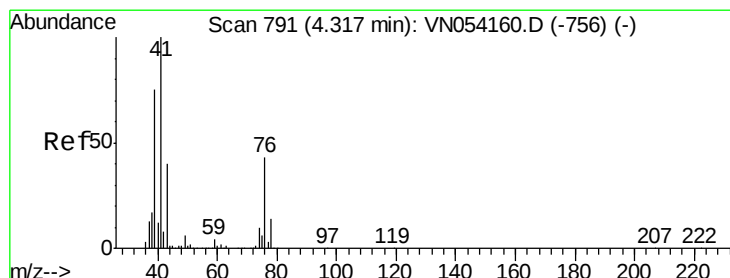
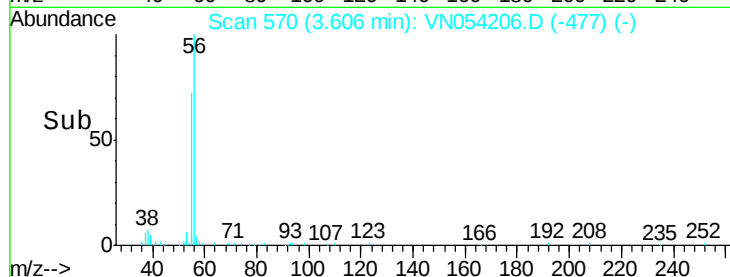
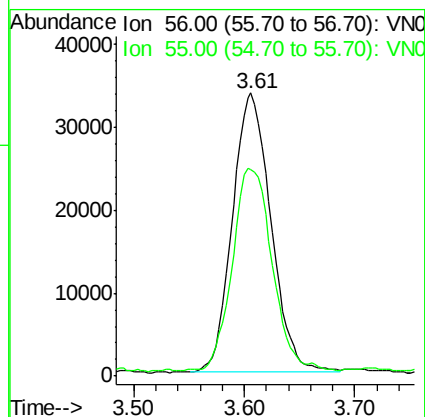
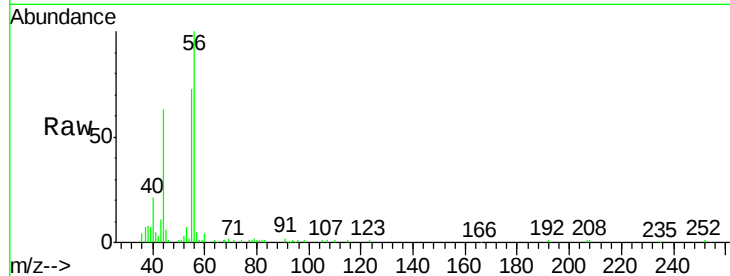
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 81324

Ion Ratio Lower Upper

56 100

55 74.1 56.7 85.1



#14

Allyl chloride

Concen: 20.300 ug/l

RT: 4.32 min Scan# 791

Delta R.T. 0.00 min

Lab File: VN054206.D

Acq: 13 Mar 2019 12:36

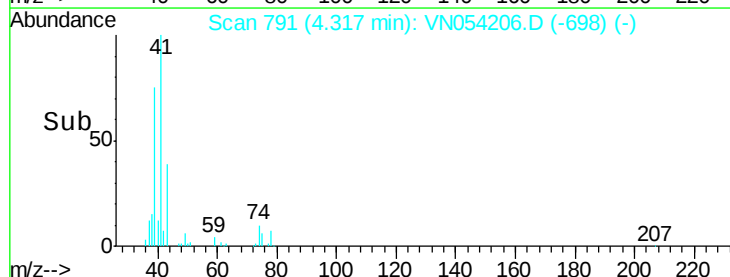
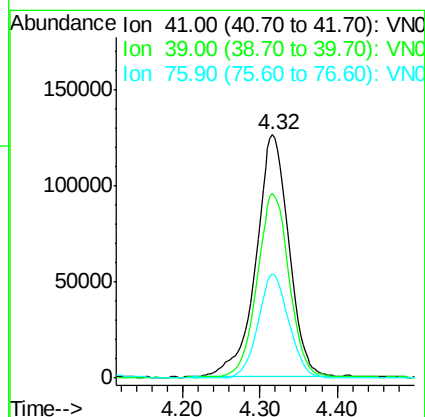
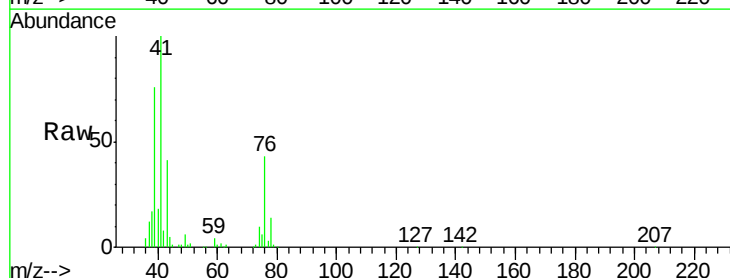
Tgt Ion: 41 Resp: 375094

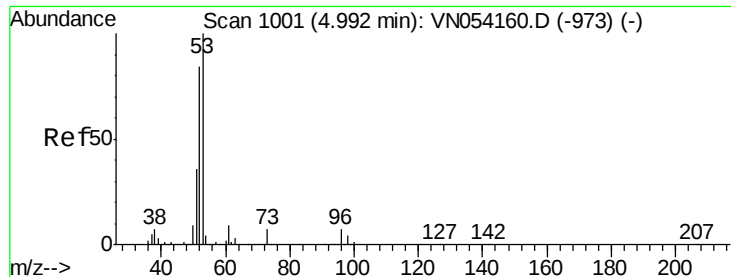
Ion Ratio Lower Upper

41 100

39 73.4 58.2 87.4

76 39.5 31.7 47.5





#15

Acrylonitrile

Concen: 104.033 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. 0.00 min

Lab File: VN054206.D

Acq: 13 Mar 2019 12:36

Instrument :
MSVOA_N
ClientSampled :

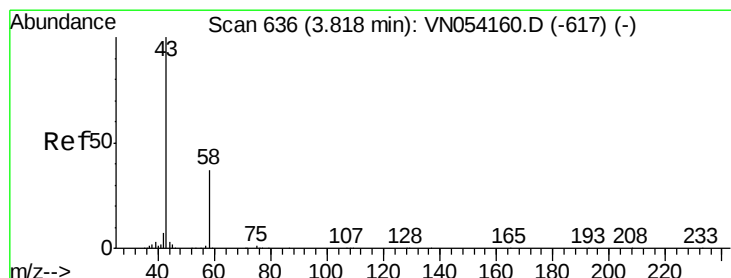
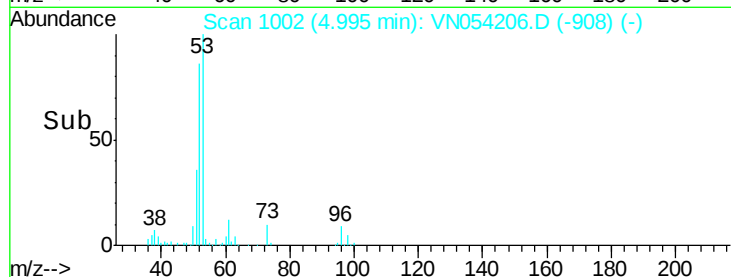
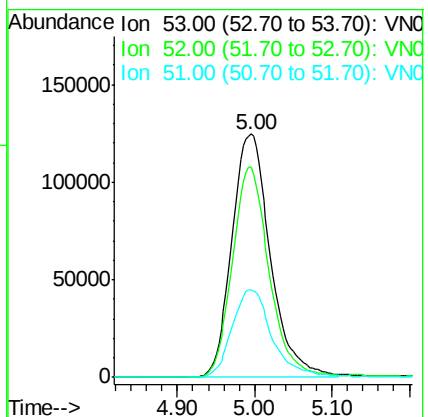
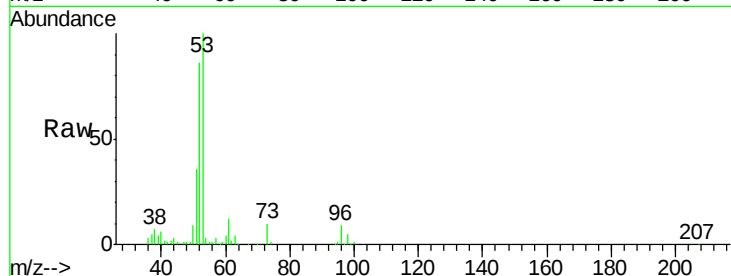
Tot Ion: 53 Resp: 431283

Ion Ratio Lower Upper

53 100

52 82.6 66.4 99.6

51 37.4 29.6 44.4



#16

Acetone

Concen: 90.530 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN054206.D

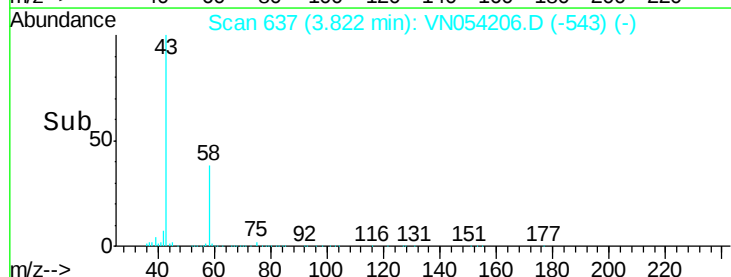
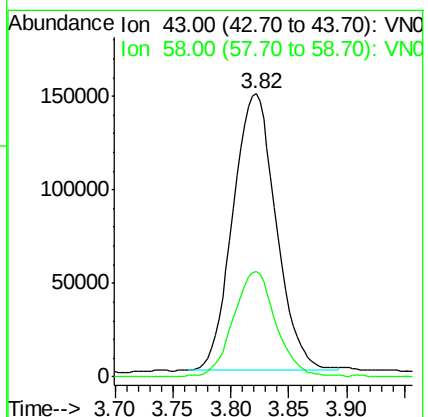
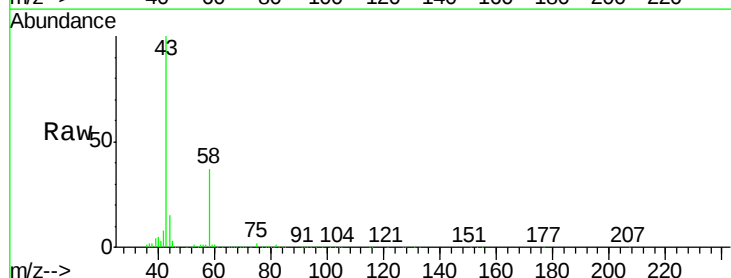
Acq: 13 Mar 2019 12:36

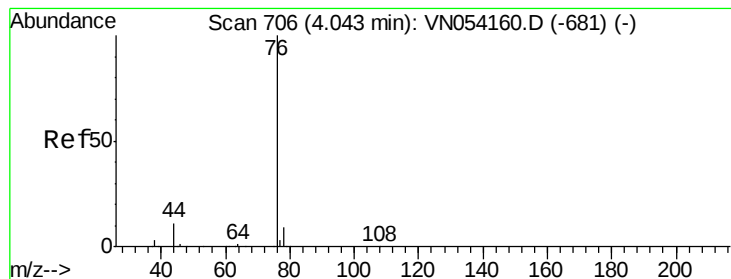
Tgt Ion: 43 Resp: 381596

Ion Ratio Lower Upper

43 100

58 37.8 29.9 44.9





#17

Carbon Disulfide

Concen: 19.609 ug/l

RT: 4.04 min Scan# 706

Delta R.T. 0.00 min

Lab File: VN054206.D

Acq: 13 Mar 2019 12:36

Instrument :

MSVOA_N

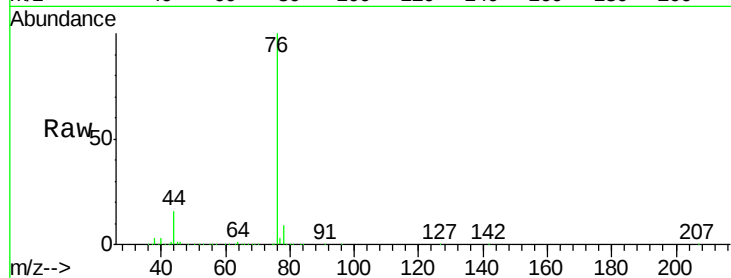
ClientSampled :

Tot Ion: 76 Resp: 707914

Ion Ratio Lower Upper

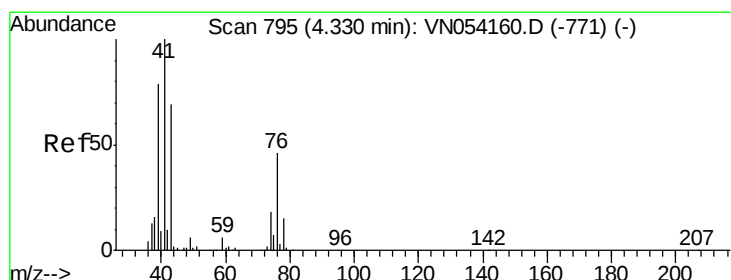
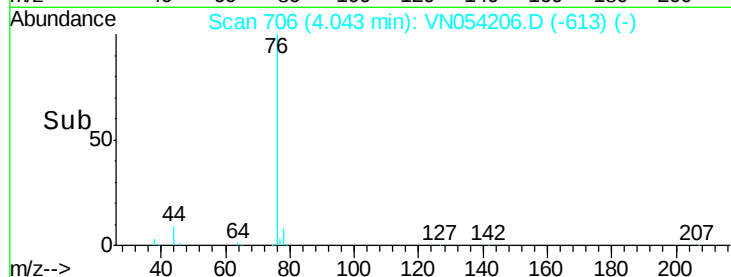
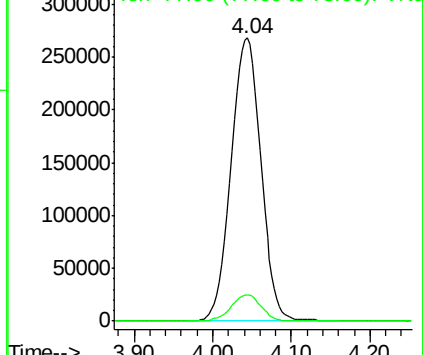
76 100

78 9.2 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VNC

Ion 77.90 (77.60 to 78.60): VNC



#18

Methyl Acetate

Concen: 22.079 ug/l

RT: 4.33 min Scan# 796

Delta R.T. 0.00 min

Lab File: VN054206.D

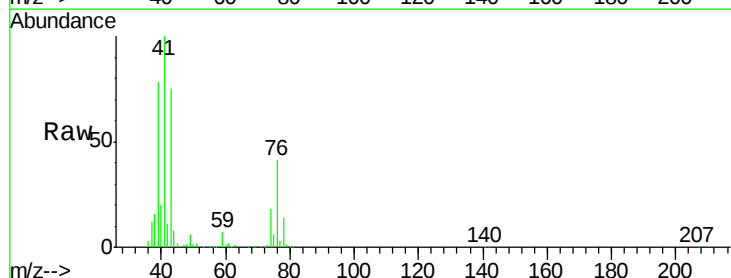
Acq: 13 Mar 2019 12:36

Tgt Ion: 43 Resp: 188285

Ion Ratio Lower Upper

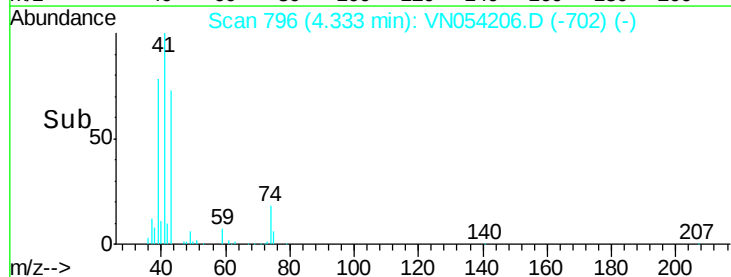
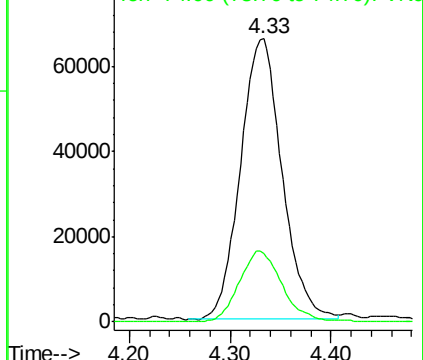
43 100

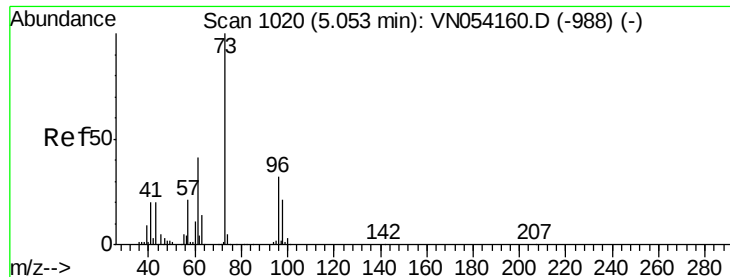
74 25.9 20.8 31.2



Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 74.00 (73.70 to 74.70): VNC

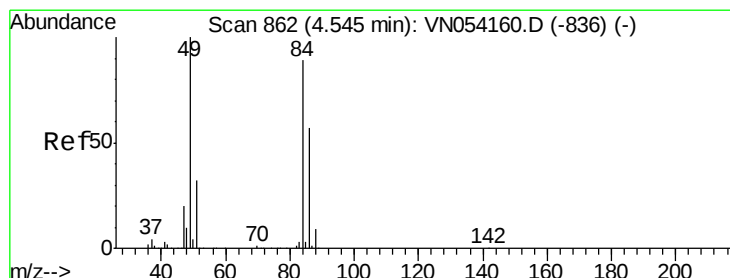
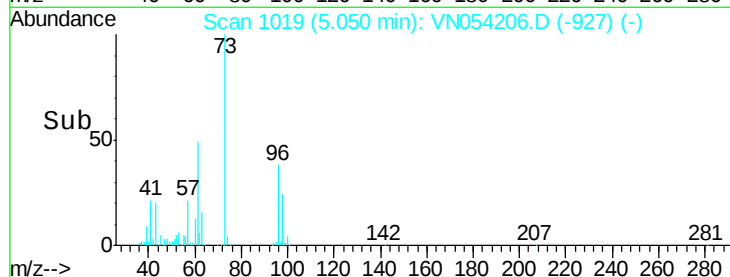
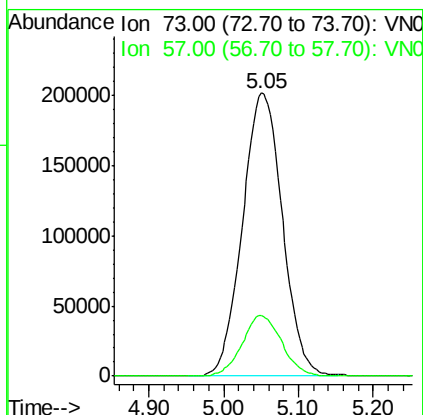
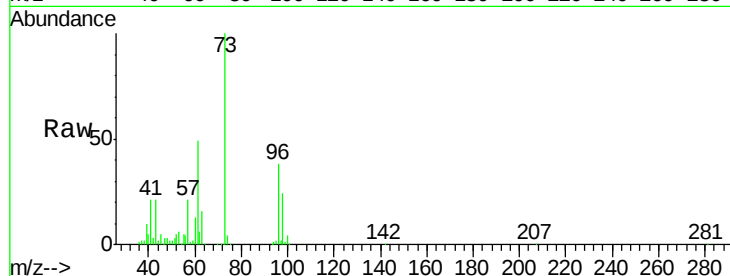




#19
Methvl tert-butvl Ether
Concen: 21.011 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. -0.00 min
Lab File: VN054206.D
Acq: 13 Mar 2019 12:36

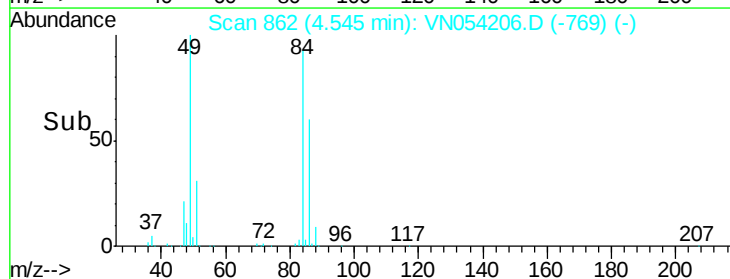
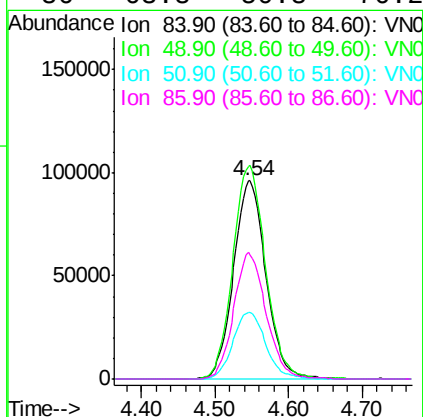
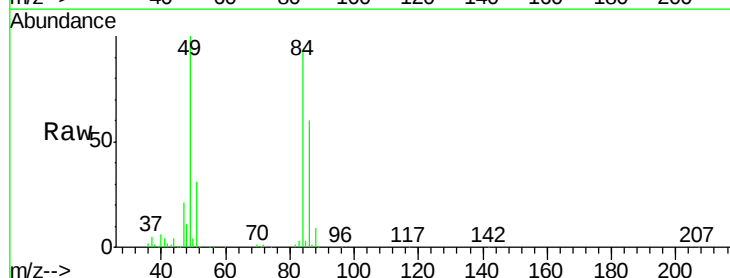
Instrument :
MSVOA_N
ClientSampleId :

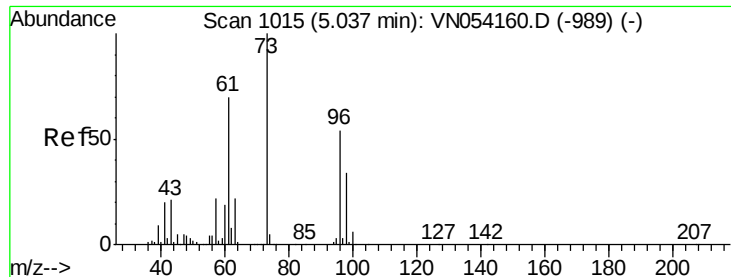
Tot Ion: 73 Resp: 750031
Ion Ratio Lower Upper
73 100
57 21.4 16.8 25.2



#20
Methylene Chloride
Concen: 21.262 ug/l
RT: 4.54 min Scan# 862
Delta R.T. 0.00 min
Lab File: VN054206.D
Acq: 13 Mar 2019 12:36

Tgt Ion: 84 Resp: 294273
Ion Ratio Lower Upper
84 100
49 107.2 89.7 134.5
51 33.5 28.2 42.4
86 63.8 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 21.037 ug/l

RT: 5.04 min Scan# 1015

Delta R.T. 0.00 min

Lab File: VN054206.D

Acq: 13 Mar 2019 12:36

Instrument :
MSVOA_N
ClientSampled :

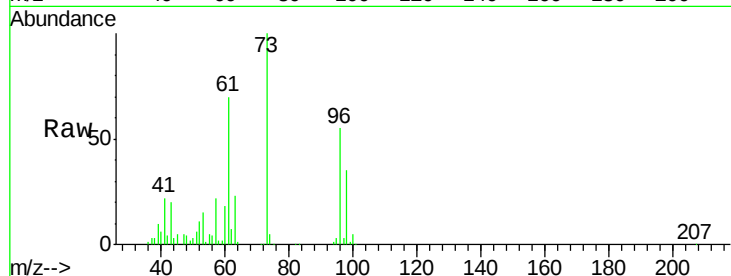
Tot Ion: 96 Resp: 290275

Ion Ratio Lower Upper

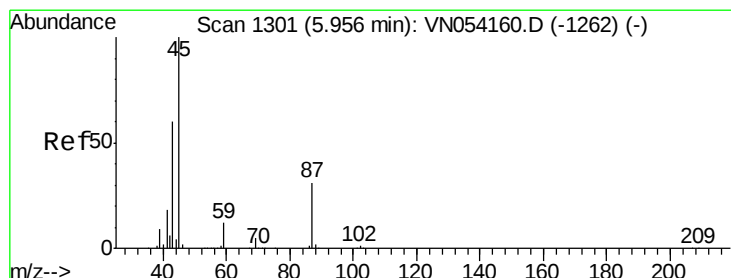
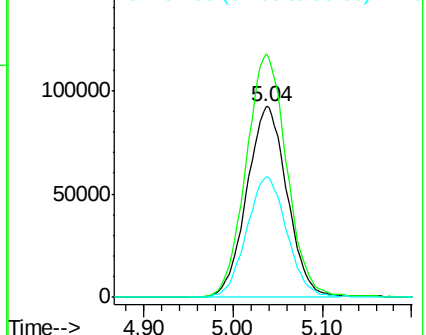
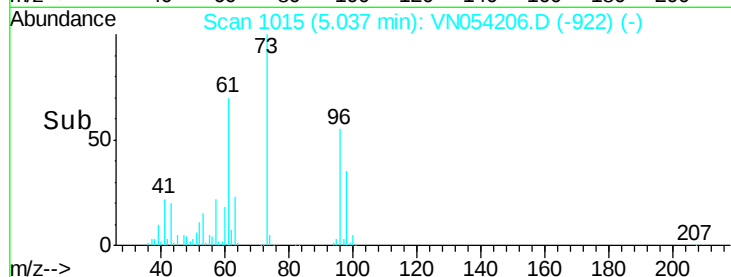
96 100

61 127.5 102.8 154.2

98 63.0 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: 20.921 ug/l

RT: 5.96 min Scan# 1302

Delta R.T. 0.00 min

Lab File: VN054206.D

Acq: 13 Mar 2019 12:36

Tgt Ion: 45 Resp: 771522

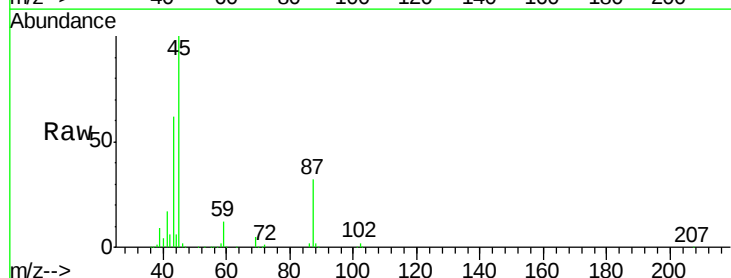
Ion Ratio Lower Upper

45 100

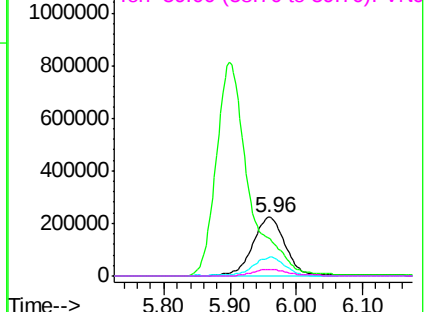
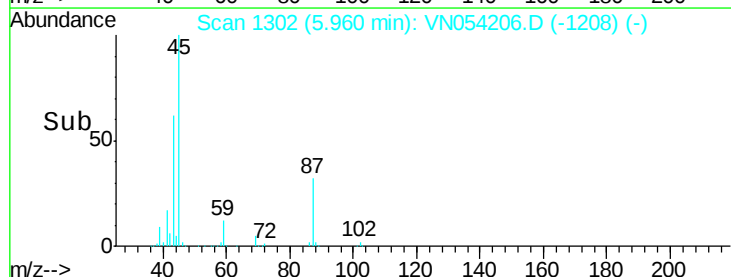
43 61.3 48.2 72.2

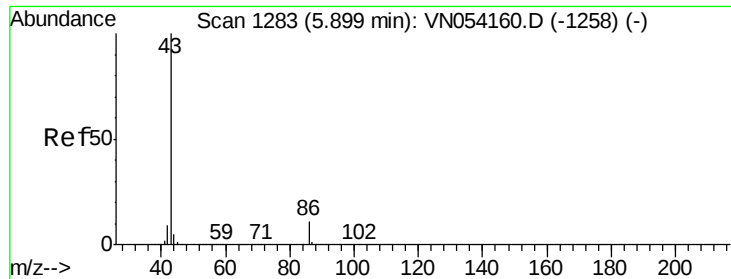
87 31.2 24.9 37.3

59 11.4 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

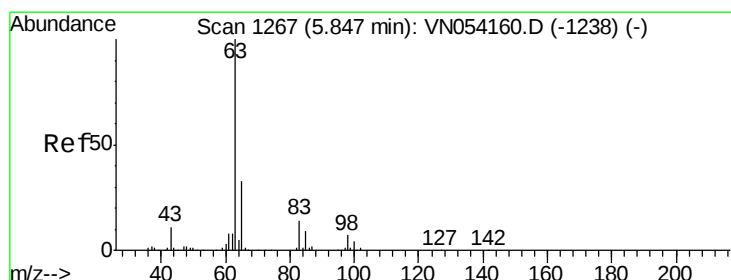
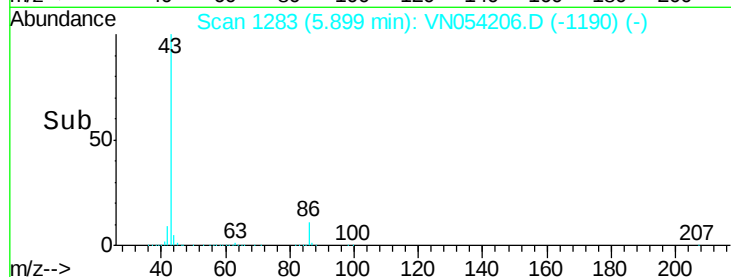
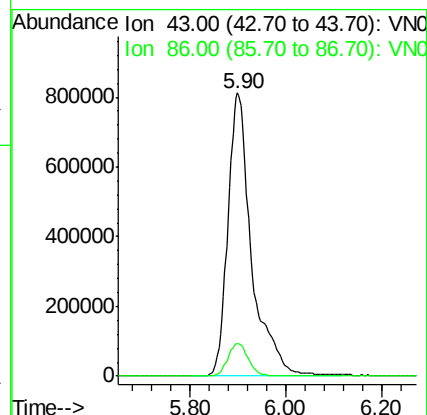
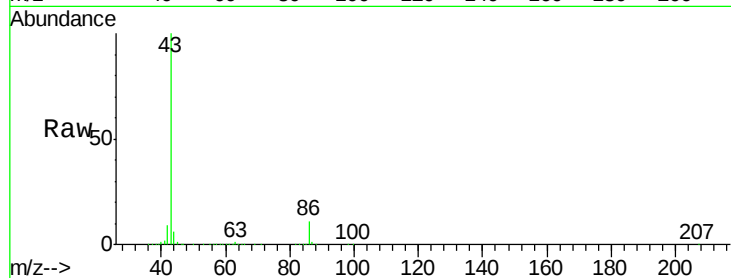




#23
 Vinyl Acetate
 Concen: 102.617 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VN054206.D
 Acq: 13 Mar 2019 12:36

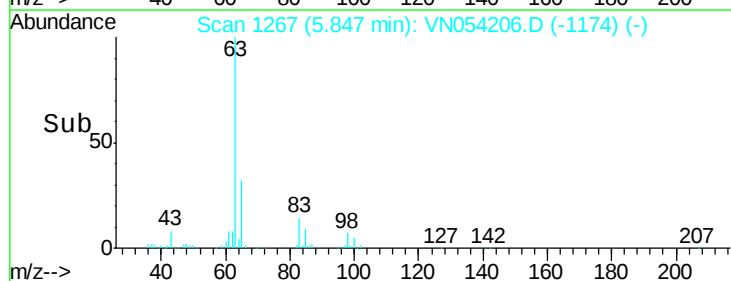
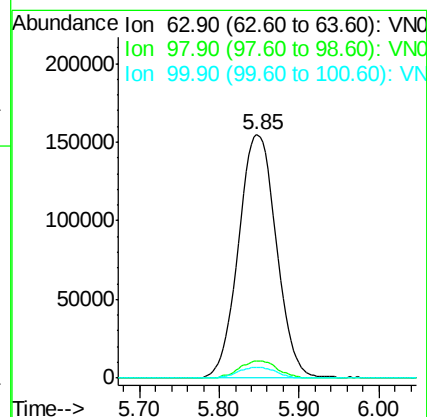
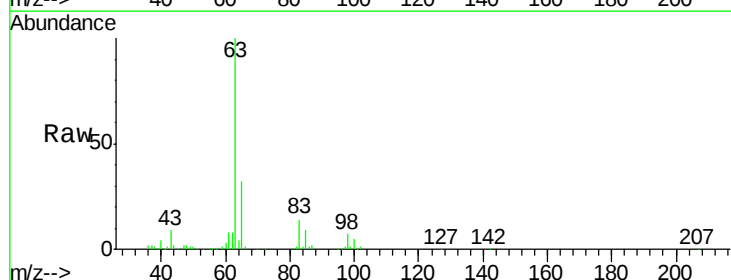
Instrument :
 MSVOA_N
 ClientSampleId :

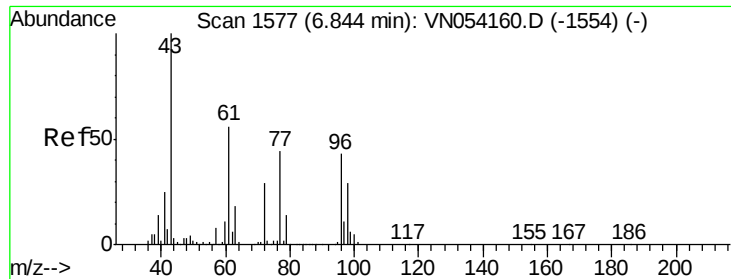
Tot Ion: 43 Resp: 2790159
 Ion Ratio Lower Upper
 43 100
 86 11.4 9.1 13.7



#24
 1,1-Dichloroethane
 Concen: 20.991 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. 0.00 min
 Lab File: VN054206.D
 Acq: 13 Mar 2019 12:36

Tgt Ion: 63 Resp: 497040
 Ion Ratio Lower Upper
 63 100
 98 7.1 3.5 10.5
 100 4.6 2.0 6.0





#25

2-Butanone

Concen: 101.243 ug/l

RT: 6.85 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VN054206.D

Acq: 13 Mar 2019 12:36

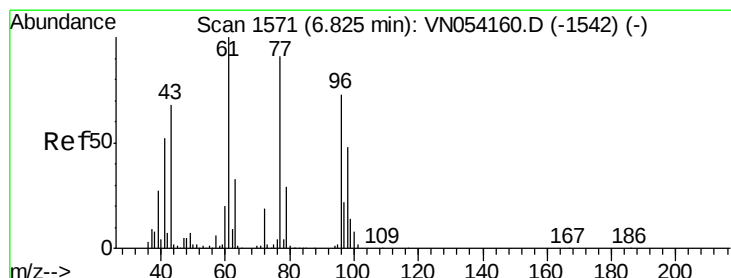
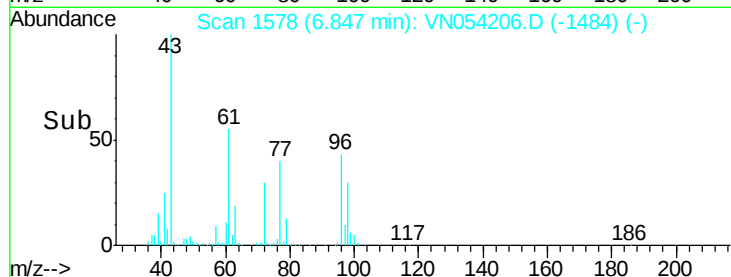
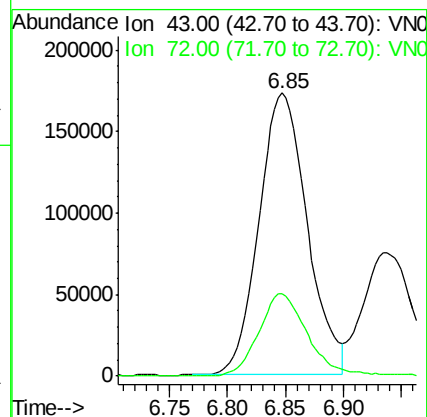
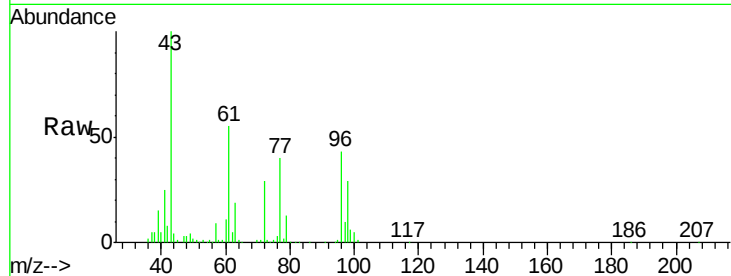
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 500878

Ion Ratio Lower Upper

43 100

72 29.5 23.0 34.6



#26

2,2-Dichloropropane

Concen: 19.317 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN054206.D

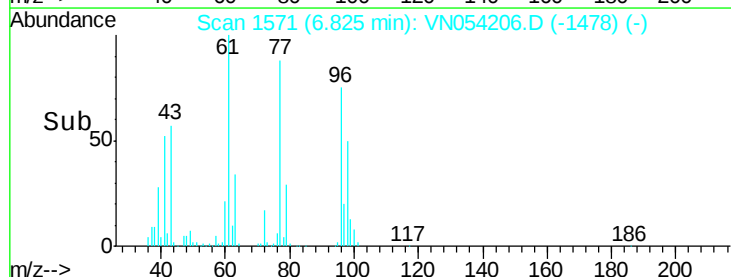
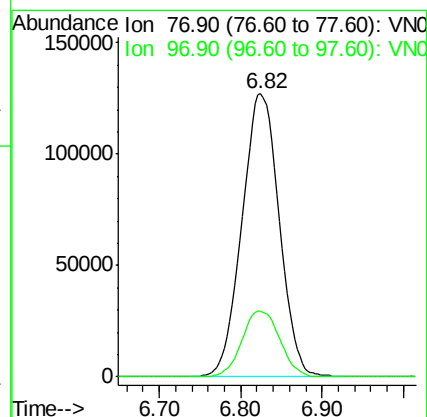
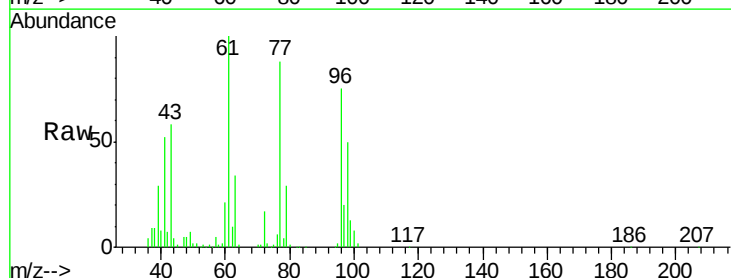
Acq: 13 Mar 2019 12:36

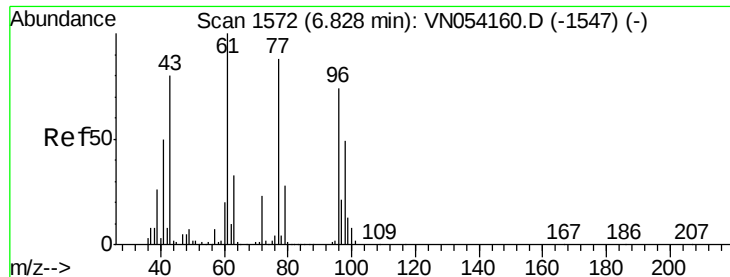
Tgt Ion: 77 Resp: 402237

Ion Ratio Lower Upper

77 100

97 23.7 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 21.402 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN054206.D

Acq: 13 Mar 2019 12:36

Instrument :
MSVOA_N
ClientSampled :

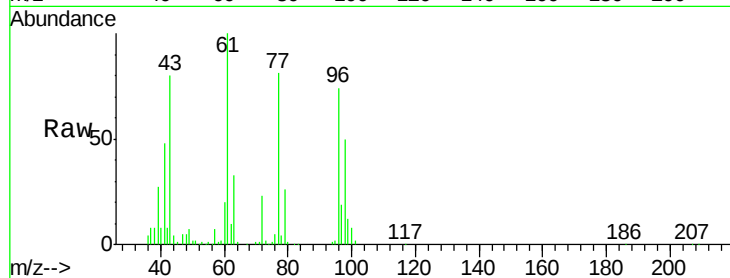
Tot Ion: 96 Resp: 329456

Ion Ratio Lower Upper

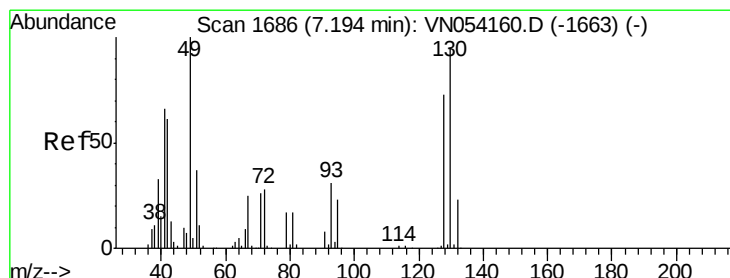
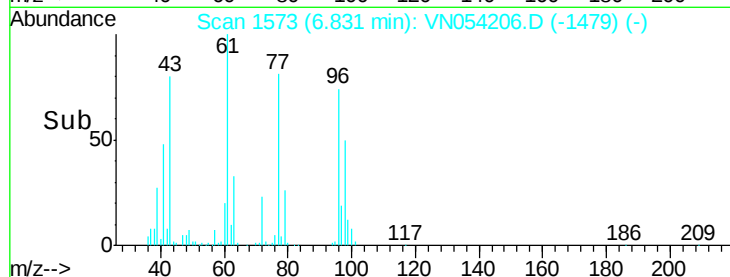
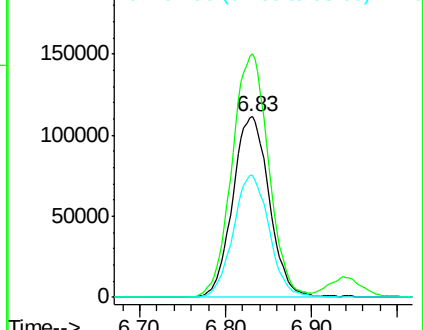
96 100

61 135.1 0.0 273.0

98 66.7 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: 20.151 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN054206.D

Acq: 13 Mar 2019 12:36

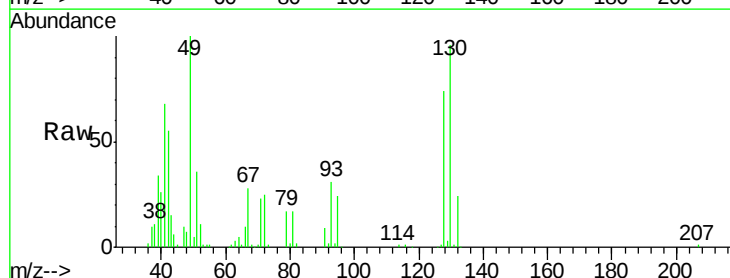
Tgt Ion: 49 Resp: 195064

Ion Ratio Lower Upper

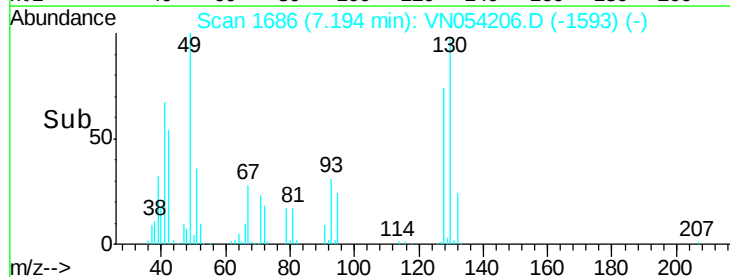
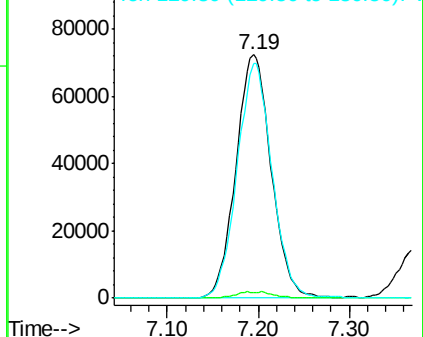
49 100

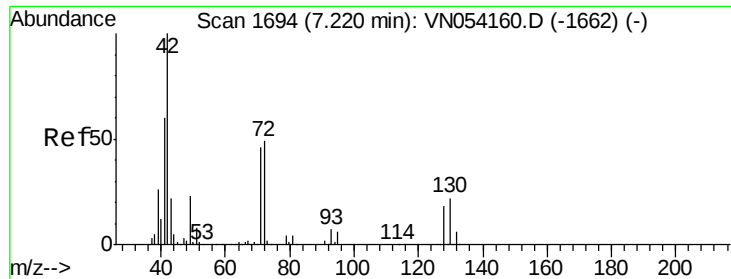
129 1.5 0.0 4.6

130 95.5 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

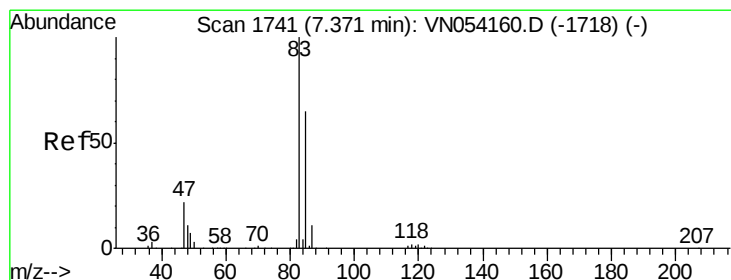
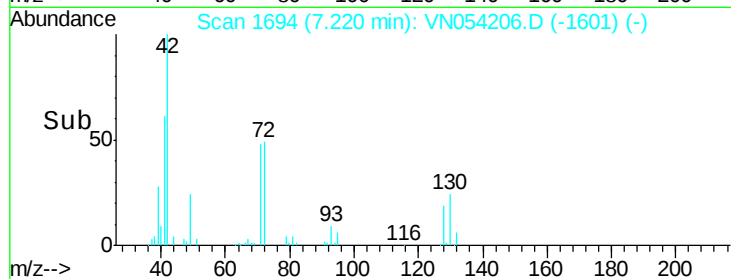
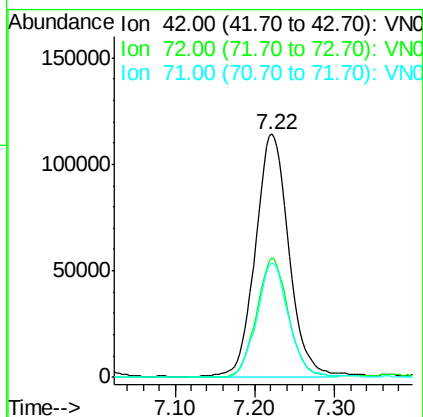
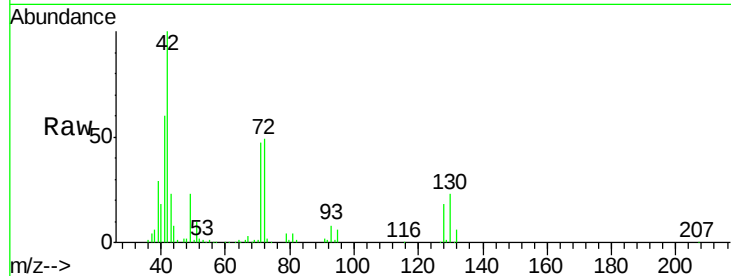




#29
Tetrahydrofuran
Concen: 102.892 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.00 min
Lab File: VN054206.D
Acq: 13 Mar 2019 12:36

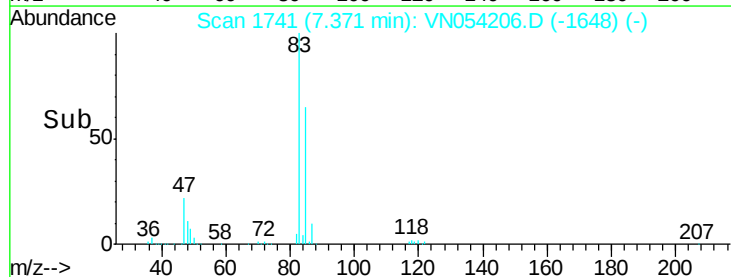
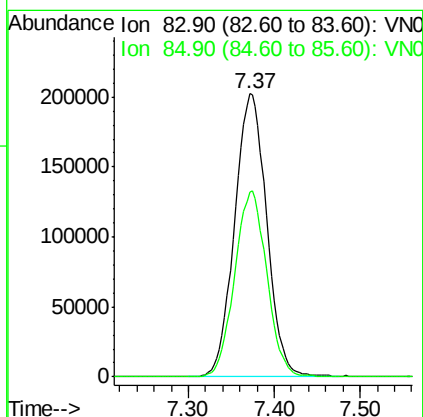
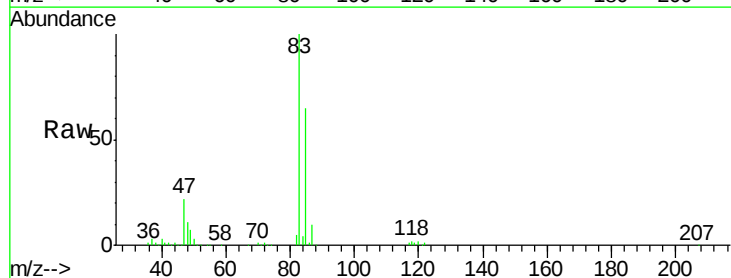
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 42 Resp: 327291
Ion Ratio Lower Upper
42 100
72 47.4 37.8 56.6
71 44.9 36.2 54.2



#30
Chloroform
Concen: 21.244 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN054206.D
Acq: 13 Mar 2019 12:36

Tgt Ion: 83 Resp: 524898
Ion Ratio Lower Upper
83 100
85 65.1 52.2 78.4

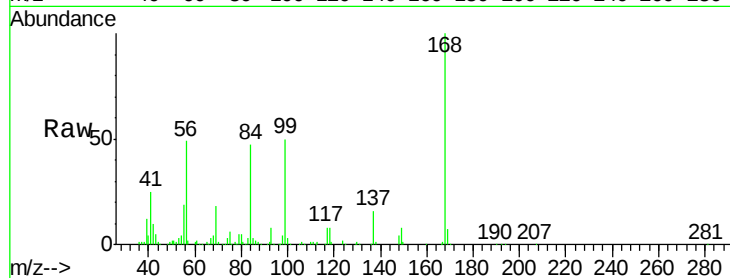




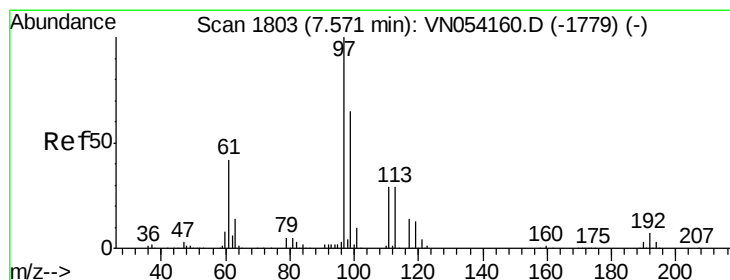
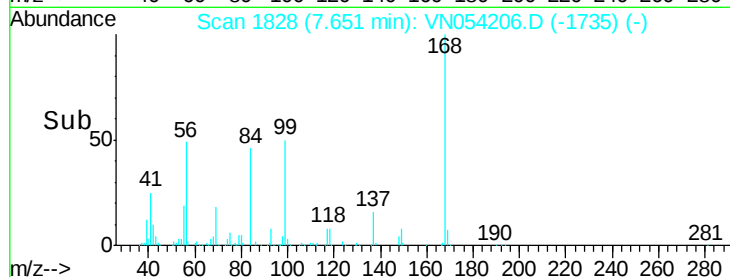
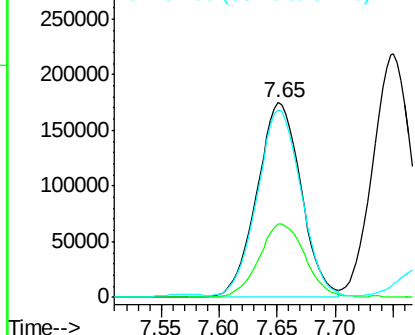
#31
Cyclohexane
Concen: 20.157 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN054206.D
Acq: 13 Mar 2019 12:36

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 462445
Ion Ratio Lower Upper
56 100
69 37.5 27.8 41.6
84 94.7 74.6 111.8

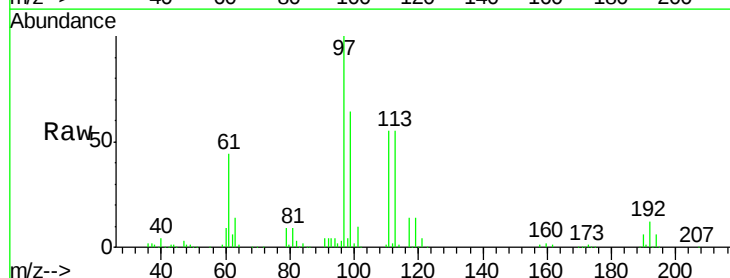


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

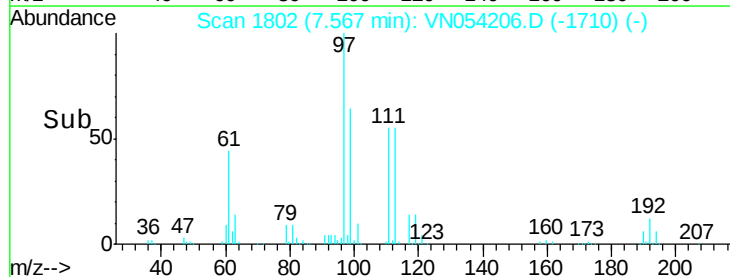
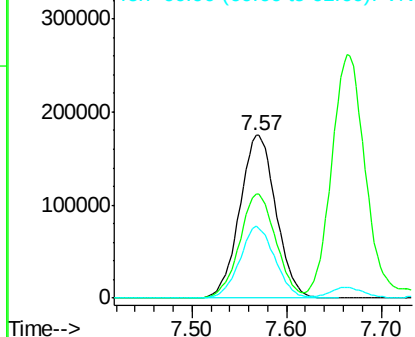


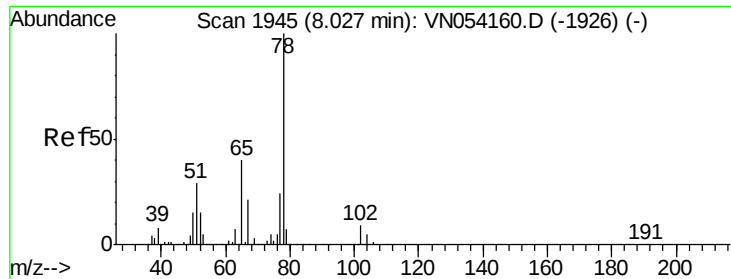
#32
1,1,1-Trichloroethane
Concen: 20.842 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. -0.00 min
Lab File: VN054206.D
Acq: 13 Mar 2019 12:36

Tgt Ion: 97 Resp: 465078
Ion Ratio Lower Upper
97 100
99 63.7 51.5 77.3
61 42.8 33.6 50.4



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

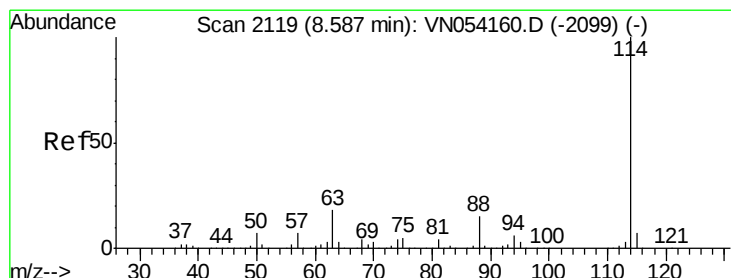
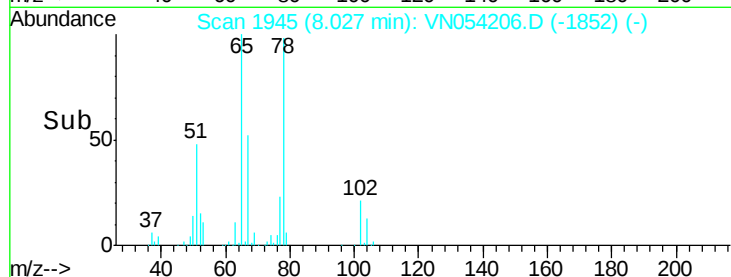
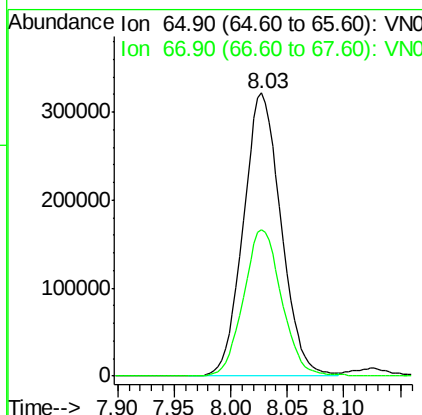
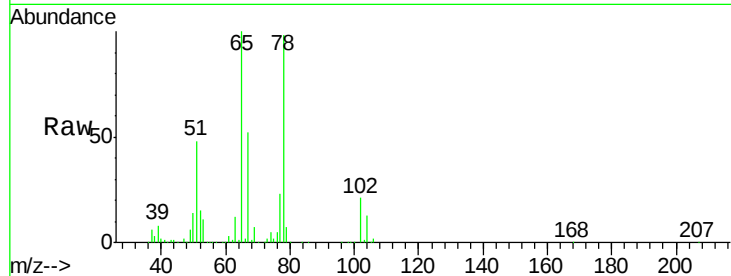




#33
 1,2-Dichloroethane-d4
 Concen: 50.745 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN054206.D
 Acq: 13 Mar 2019 12:36

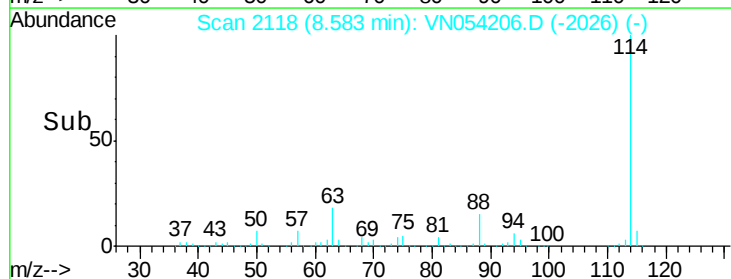
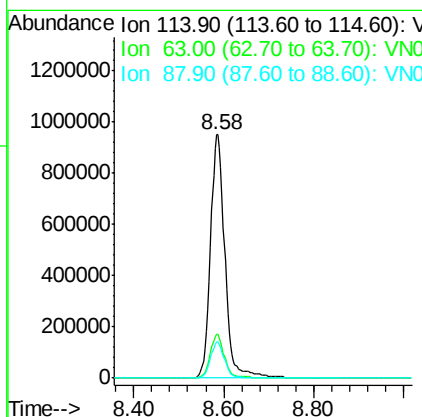
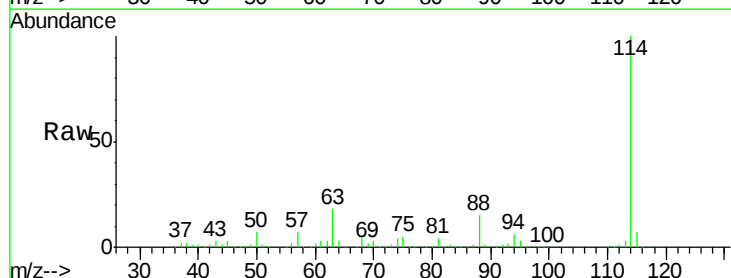
Instrument :
 MSVOA_N
 ClientSampleId :

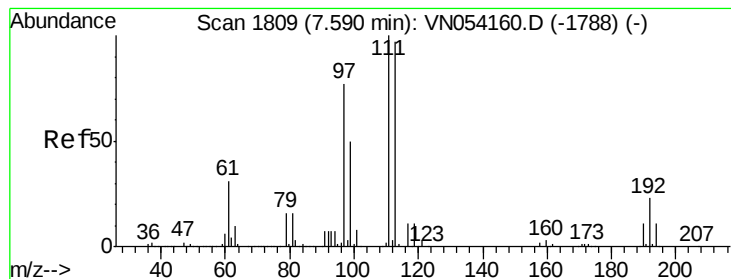
Tot Ion: 65 Resp: 747045
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN054206.D
 Acq: 13 Mar 2019 12:36

Tgt Ion: 114 Resp: 2134300
 Ion Ratio Lower Upper
 114 100
 63 18.2 0.0 35.2
 88 14.9 0.0 30.2





#35

Dibromofluoromethane

Concen: 49.519 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN054206.D

Acq: 13 Mar 2019 12:36

Instrument :

MSVOA_N

ClientSampleId :

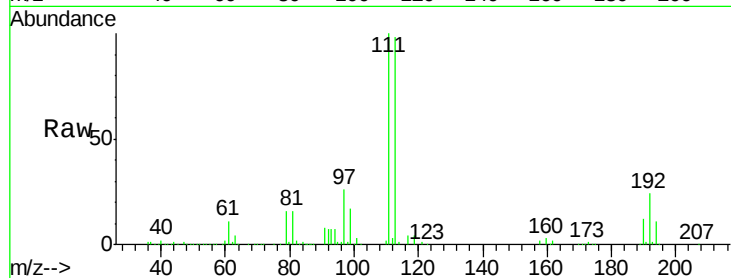
Tot Ion:113 Resp: 681649

Ion Ratio Lower Upper

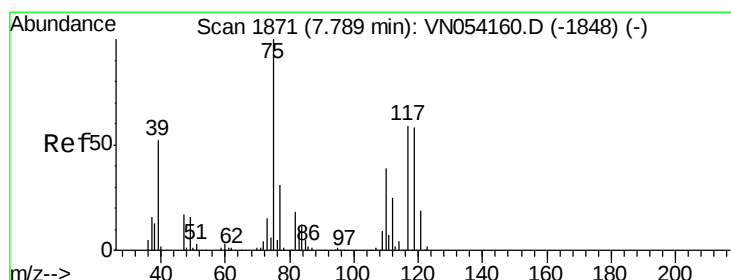
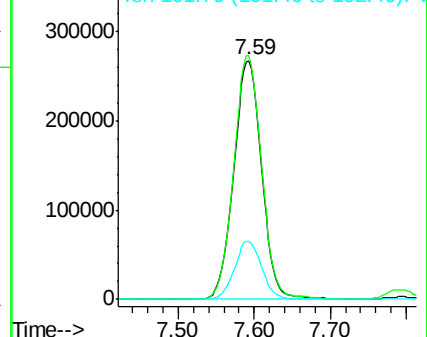
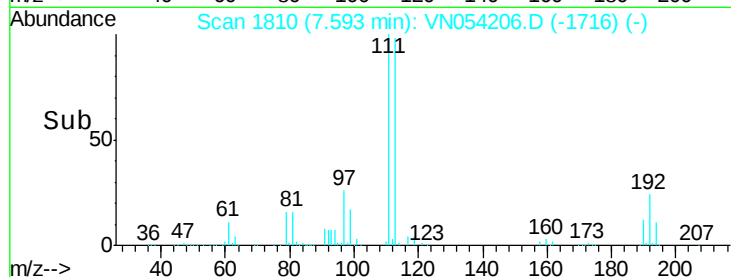
113 100

111 102.2 82.2 123.4

192 23.7 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: 19.888 ug/l

RT: 7.79 min Scan# 1871

Delta R.T. 0.00 min

Lab File: VN054206.D

Acq: 13 Mar 2019 12:36

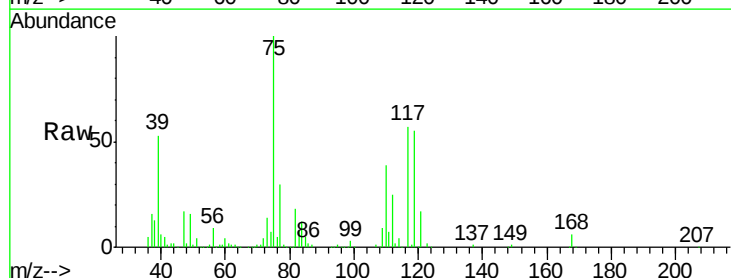
Tgt Ion: 75 Resp: 390892

Ion Ratio Lower Upper

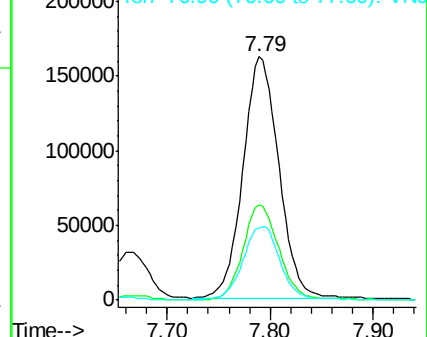
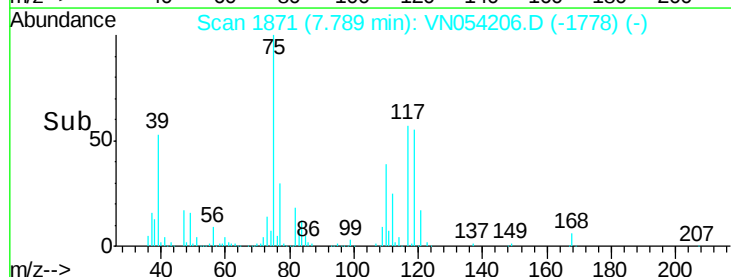
75 100

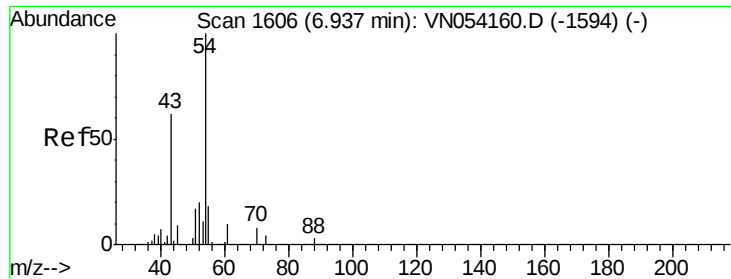
110 39.5 19.1 57.5

77 32.1 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

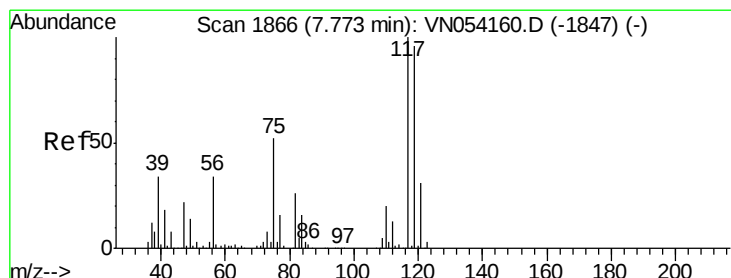
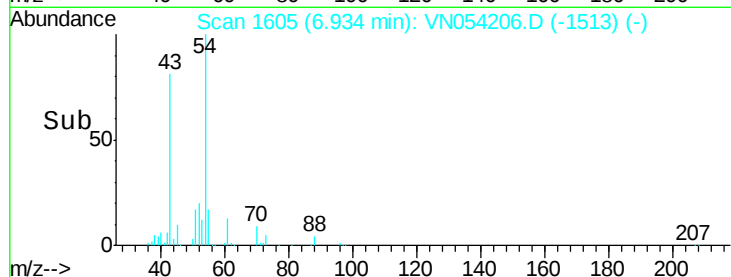
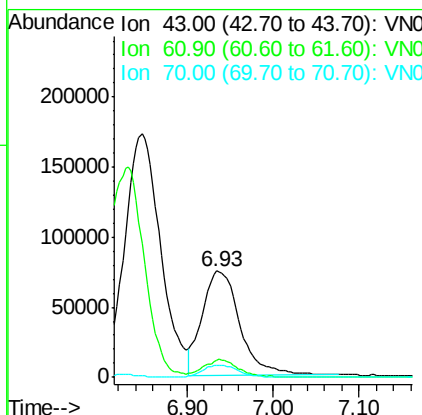
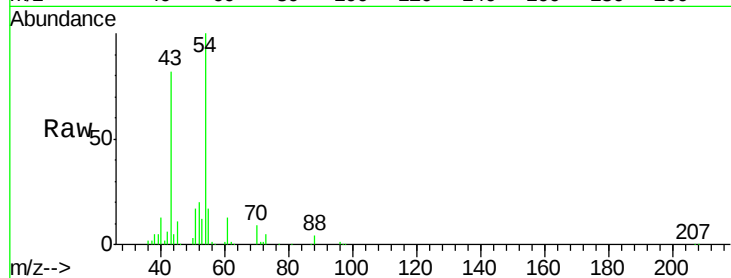




#37
Ethyl Acetate
Concen: 20.238 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. -0.00 min
Lab File: VN054206.D
Acq: 13 Mar 2019 12:36

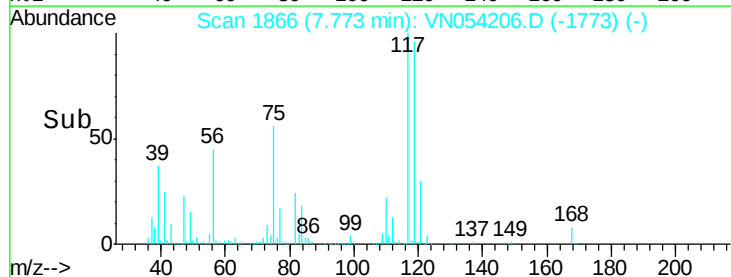
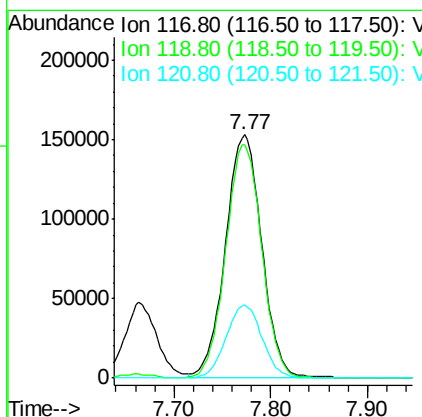
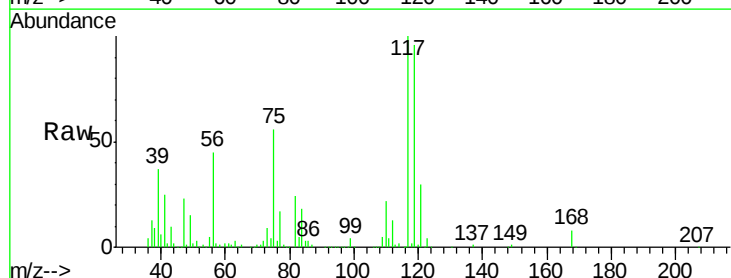
Instrument :
MSVOA_N
ClientSampled :

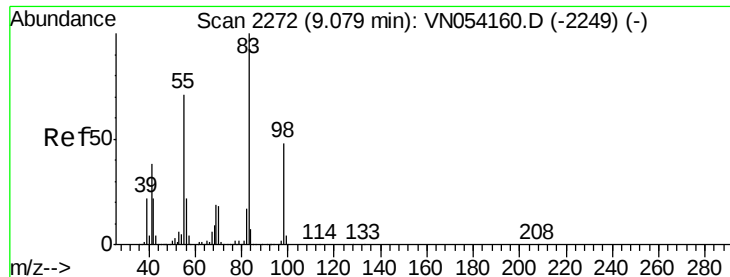
Tot Ion: 43 Resp: 228557
Ion Ratio Lower Upper
43 100
61 13.7 11.8 17.6
70 10.8 8.4 12.6



#38
Carbon Tetrachloride
Concen: 19.242 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN054206.D
Acq: 13 Mar 2019 12:36

Tgt Ion: 117 Resp: 396612
Ion Ratio Lower Upper
117 100
119 96.1 76.3 114.5
121 30.1 24.6 36.8

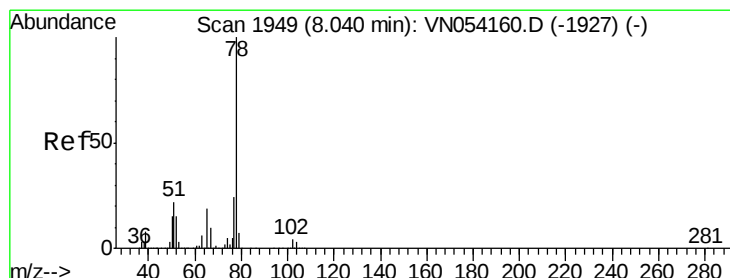
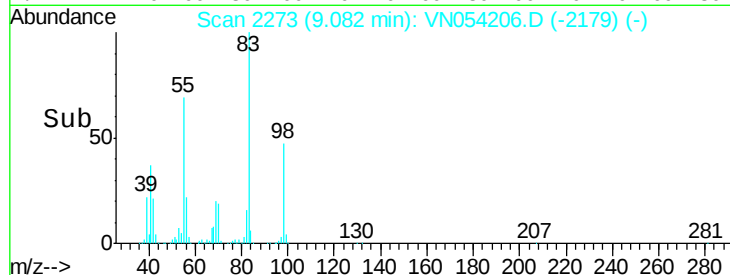
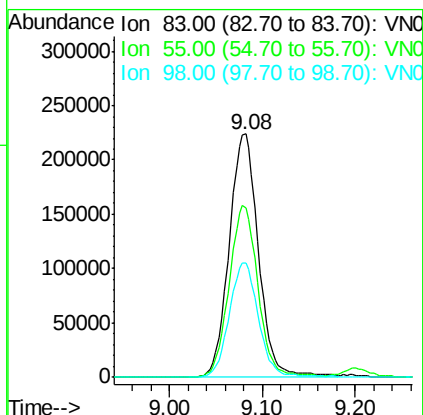
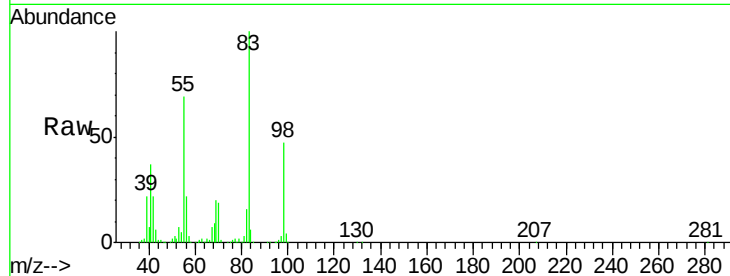




#39
Methvlcvclohexane
Concen: 20.364 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN054206.D
Acq: 13 Mar 2019 12:36

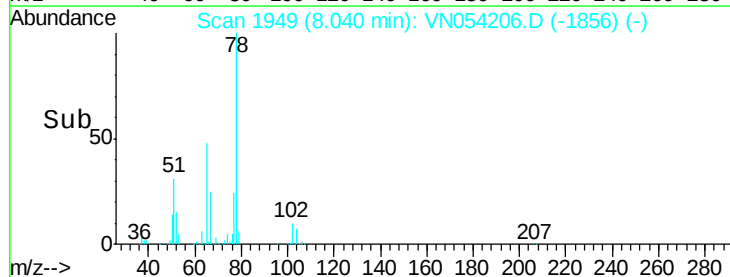
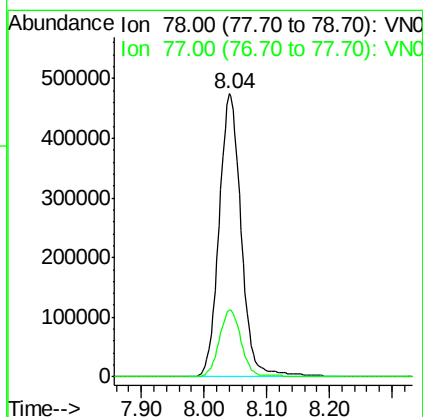
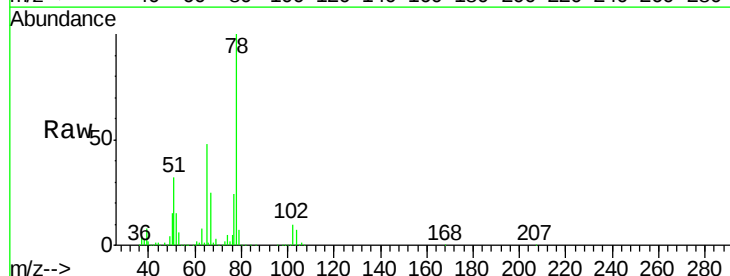
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 83 Resp: 492476
Ion Ratio Lower Upper
83 100
55 69.4 56.6 84.8
98 47.1 38.4 57.6



#40
Benzene
Concen: 20.668 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN054206.D
Acq: 13 Mar 2019 12:36

Tgt Ion: 78 Resp: 1162492
Ion Ratio Lower Upper
78 100
77 23.8 19.1 28.7

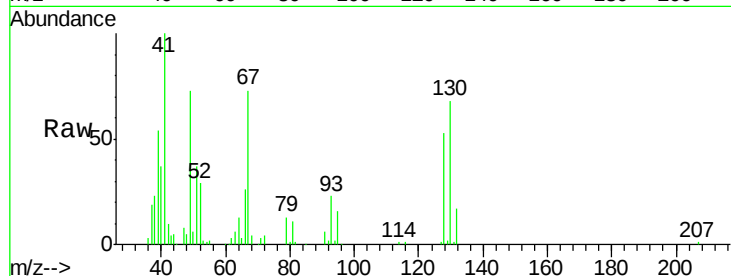




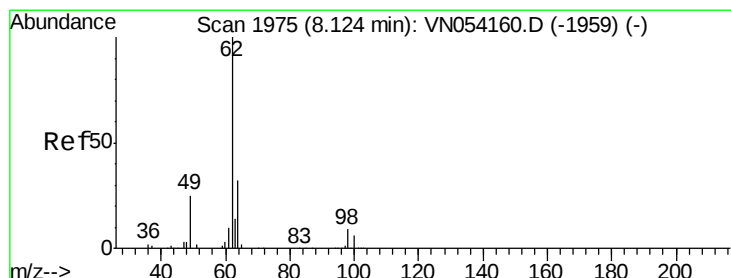
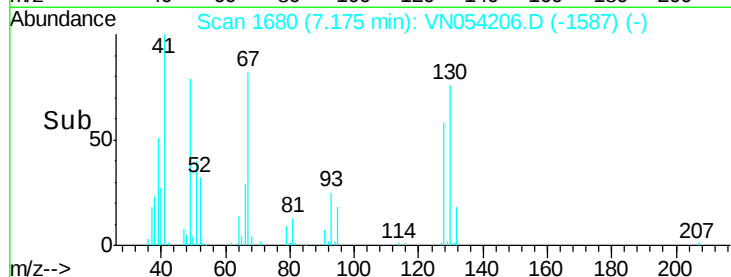
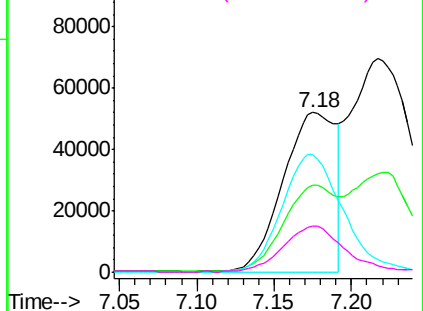
#41
Methacrylonitrile
Concen: 19.123 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN054206.D
Acq: 13 Mar 2019 12:36

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 41 Resp: 123313
Ion Ratio Lower Upper
41 100
39 52.7 46.8 70.2
67 85.6 67.0 100.4
52 33.5 26.5 39.7

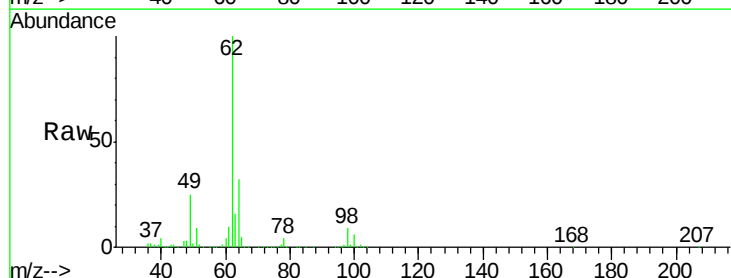


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

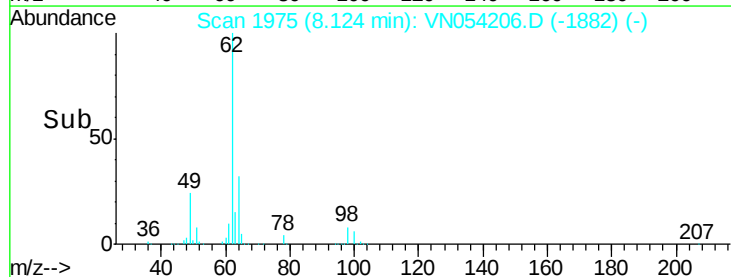
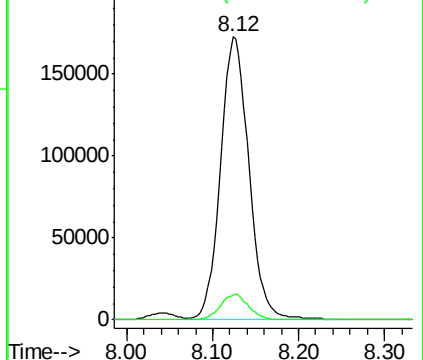


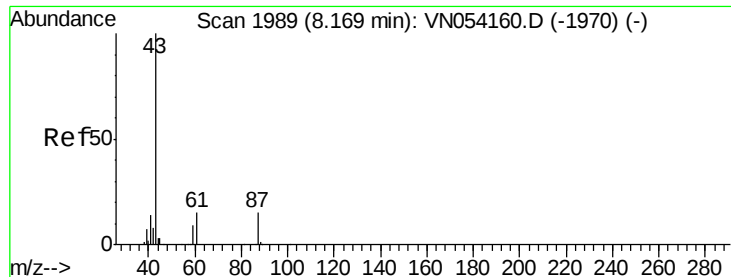
#42
1,2-Dichloroethane
Concen: 20.745 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN054206.D
Acq: 13 Mar 2019 12:36

Tgt Ion: 62 Resp: 393934
Ion Ratio Lower Upper
62 100
98 9.1 0.0 18.4



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



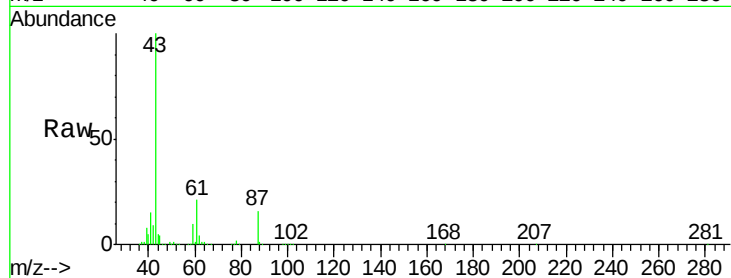


#43

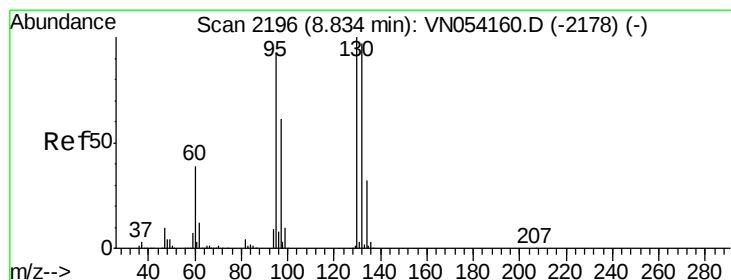
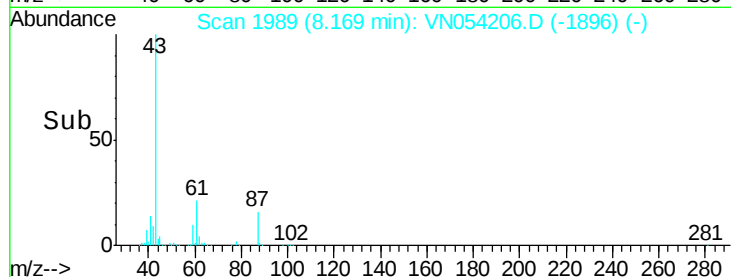
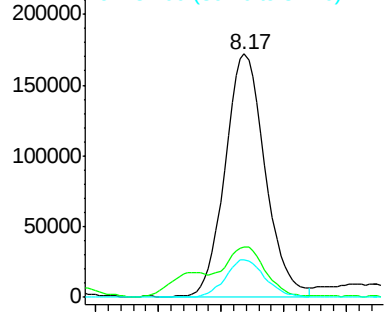
Isopropyl Acetate
 Concen: 19.225 ug/l
 RT: 8.17 min Scan# 1989
 Delta R.T. 0.00 min
 Lab File: VN054206.D
 Acq: 13 Mar 2019 12:36

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	43	Resp	381095
Ion Ratio	100	Lower	Upper
61	19.8	15.8	23.8
87	15.6	12.0	18.0



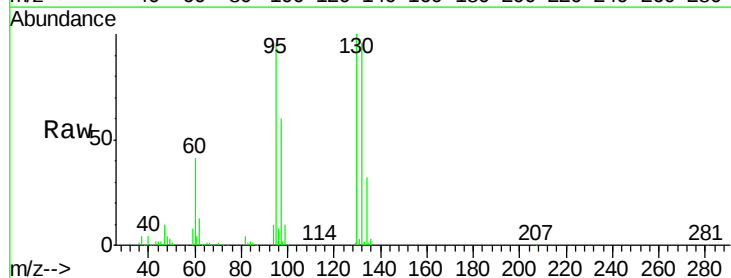
Abundance Ion 43.00 (42.70 to 43.70): VN054206.D (-1970) (-)



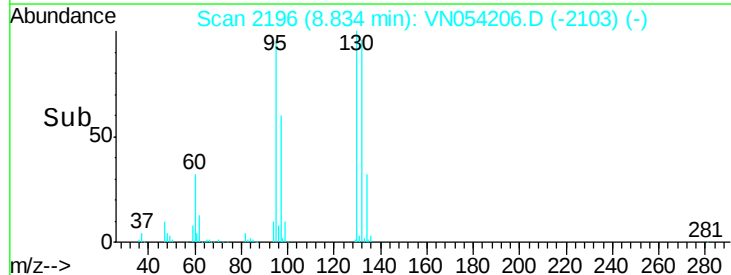
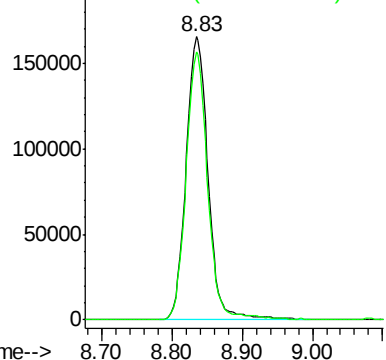
#44

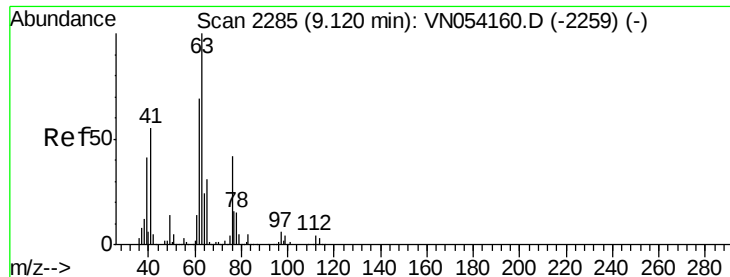
Trichloroethene
 Concen: 20.592 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. 0.00 min
 Lab File: VN054206.D
 Acq: 13 Mar 2019 12:36

Tgt Ion	130	Resp	359784
Ion Ratio	100	Lower	Upper
95	94.7	0.0	185.2



Abundance Ion 129.80 (129.50 to 130.50): VN054206.D (-2178) (-)





#45

1,2-Dichloropropane

Concen: 21.037 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN054206.D

Acq: 13 Mar 2019 12:36

Instrument :

MSVOA_N

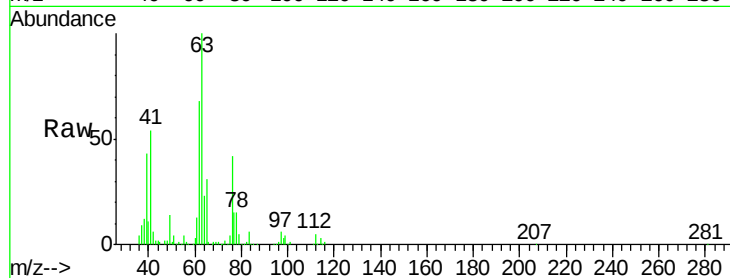
ClientSampled :

Tot Ion: 63 Resp: 293804

Ion Ratio Lower Upper

63 100

65 31.2 25.0 37.6



Abundance Ion 62.90 (62.60 to 63.60): VN054206.D (-2259) (-)

Ion 64.90 (64.60 to 65.60): VN054206.D (-2259) (-)

9.12

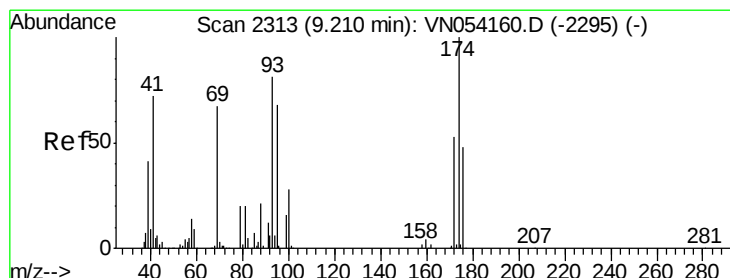
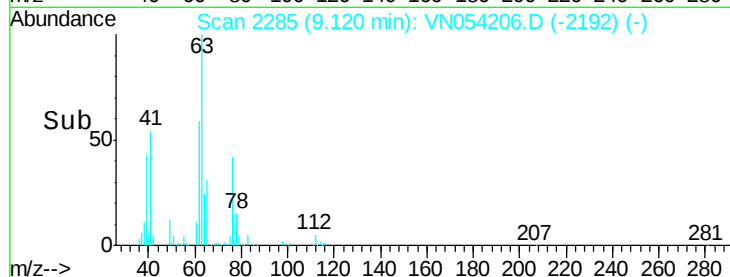
150000

100000

50000

0

Time-->



#46

Dibromomethane

Concen: 20.815 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN054206.D

Acq: 13 Mar 2019 12:36

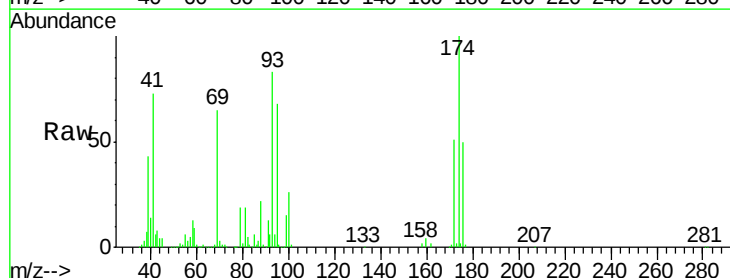
Tgt Ion: 93 Resp: 196418

Ion Ratio Lower Upper

93 100

95 83.0 66.7 100.1

174 122.0 98.5 147.7



Abundance Ion 92.80 (92.50 to 93.50): VN054206.D (-2220) (-)

Ion 94.80 (94.50 to 95.50): VN054206.D (-2220) (-)

Ion 173.70 (173.40 to 174.40): VN054206.D (-2220) (-)

9.21

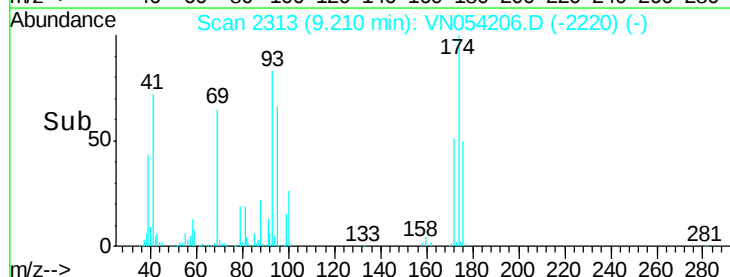
150000

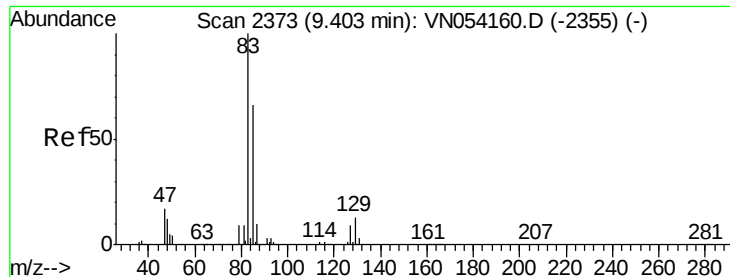
100000

50000

0

Time-->





#47

Bromodichloromethane

Concen: 20.200 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN054206.D

Acq: 13 Mar 2019 12:36

Instrument :

MSVOA_N

ClientSampleId :

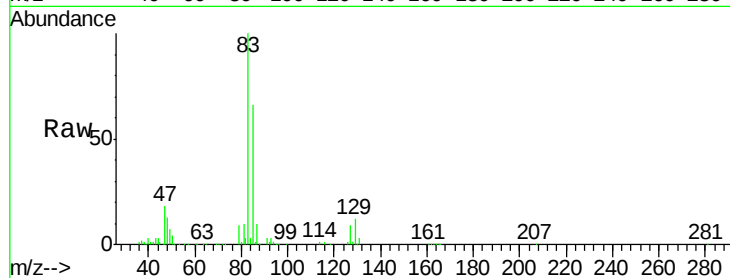
Tot Ion: 83 Resp: 382134

Ion Ratio Lower Upper

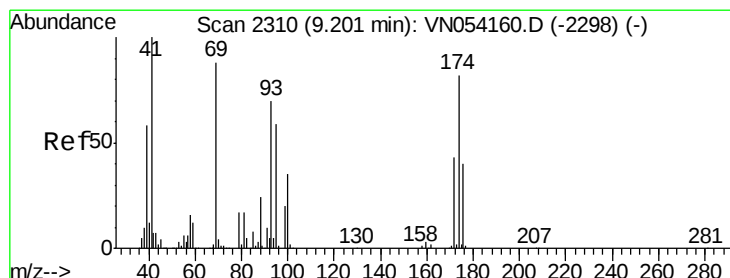
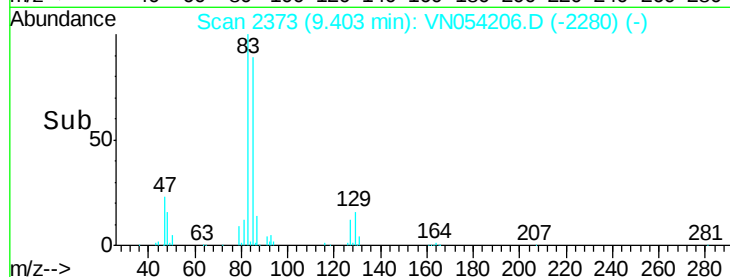
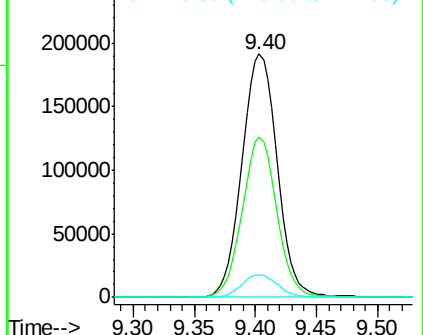
83 100

85 66.1 52.8 79.2

127 9.2 7.4 11.2



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



#48

Methyl methacrylate

Concen: 20.773 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN054206.D

Acq: 13 Mar 2019 12:36

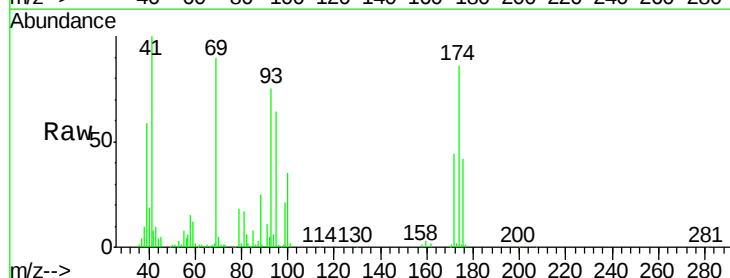
Tgt Ion: 41 Resp: 208982

Ion Ratio Lower Upper

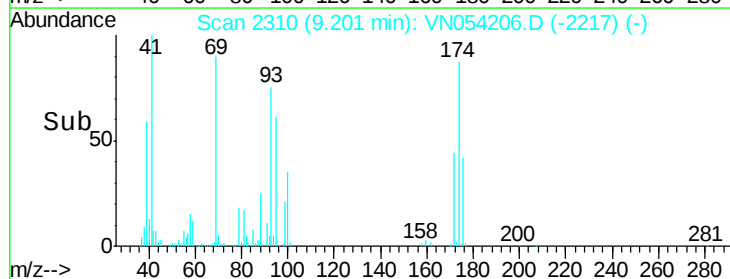
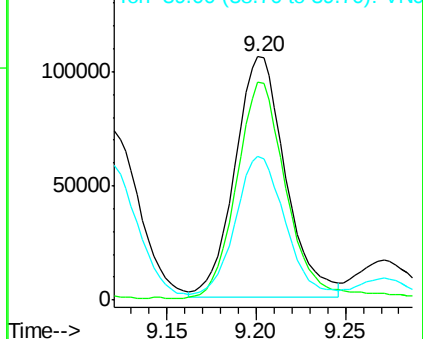
41 100

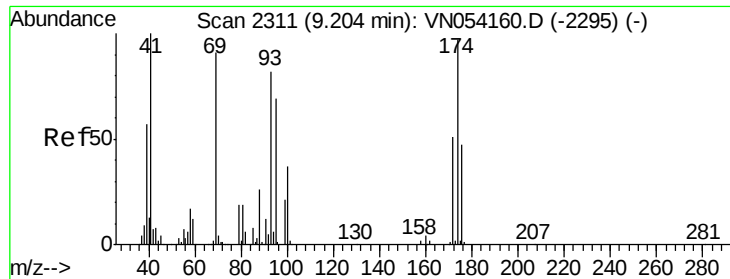
69 91.8 72.6 108.8

39 59.8 47.5 71.3



Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 39.00 (38.70 to 39.70): VNO

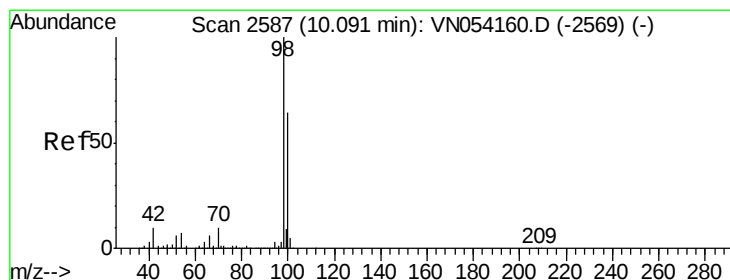
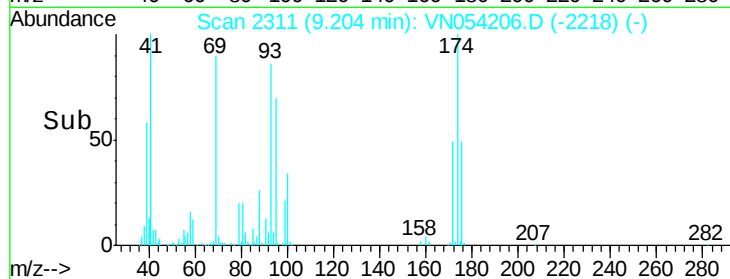
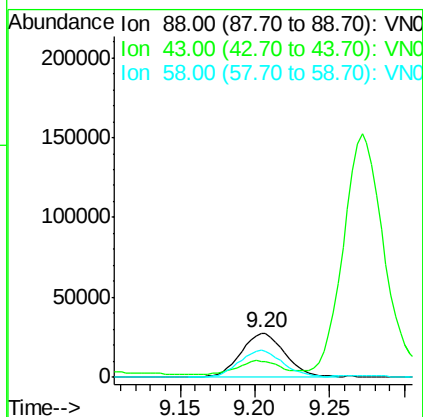
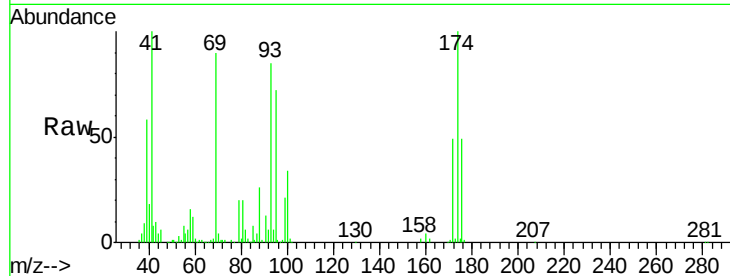




#49
 1,4-Dioxane
 Concen: 402.255 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VN054206.D
 Acq: 13 Mar 2019 12:36

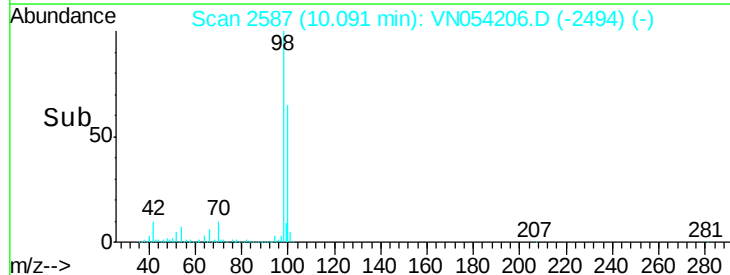
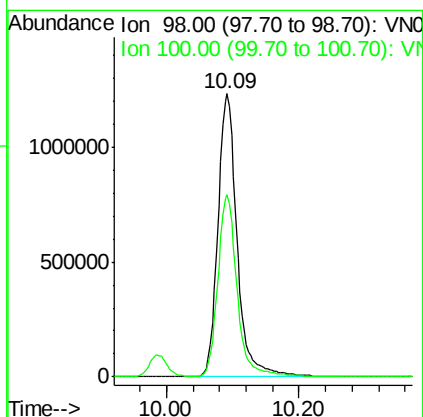
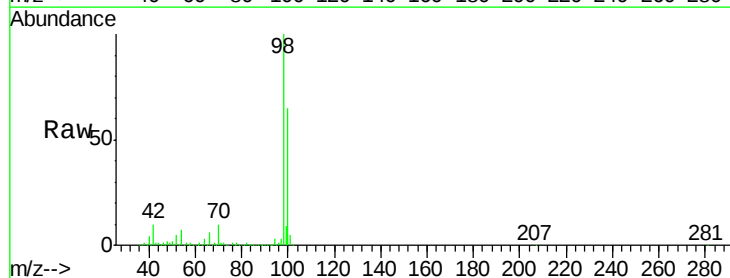
Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 88 Resp: 57240
 Ion Ratio Lower Upper
 88 100
 43 30.9 24.1 36.1
 58 60.9 50.8 76.2



#50
 Toluene-d8
 Concen: 48.773 ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. 0.00 min
 Lab File: VN054206.D
 Acq: 13 Mar 2019 12:36

Tgt Ion: 98 Resp: 2479494
 Ion Ratio Lower Upper
 98 100
 100 64.2 51.2 76.8





#51

4-Methyl-2-Pentanone

Concen: 100.618 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN054206.D

Acq: 13 Mar 2019 12:36

Instrument :

MSVOA_N

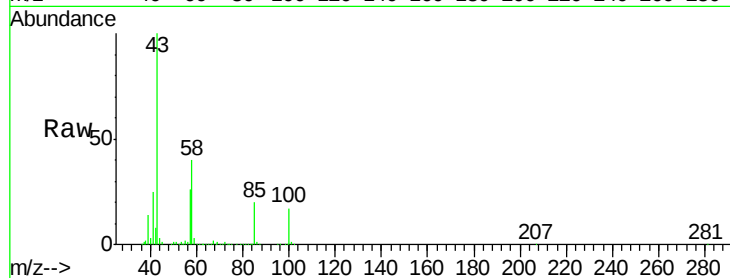
ClientSampled :

Tot Ion: 43 Resp: 1055548

Ion Ratio Lower Upper

43 100

58 40.4 31.8 47.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.99

600000

500000

400000

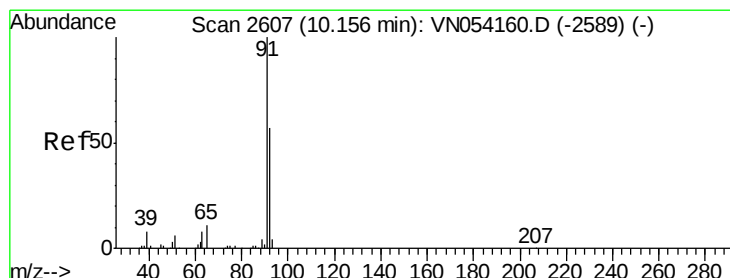
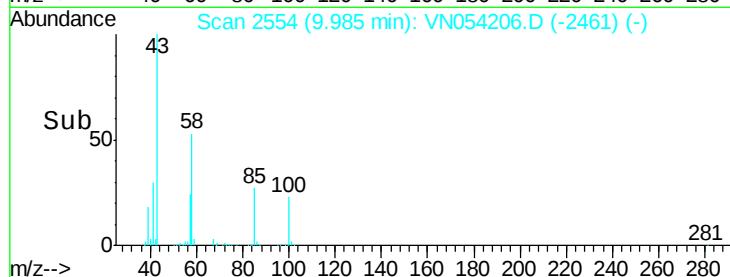
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 20.738 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN054206.D

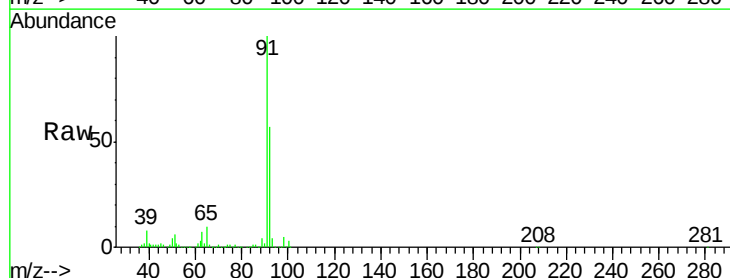
Acq: 13 Mar 2019 12:36

Tgt Ion: 92 Resp: 739564

Ion Ratio Lower Upper

92 100

91 175.4 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.16

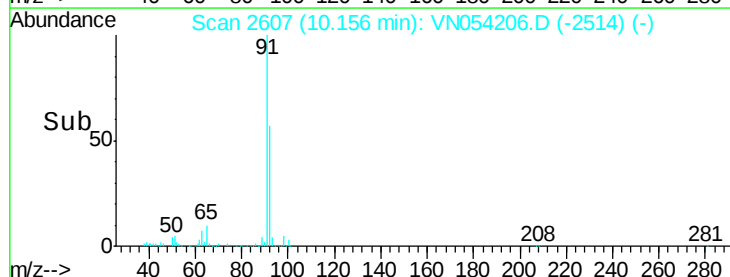
600000

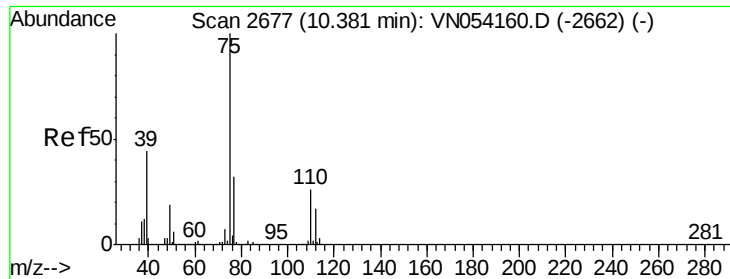
400000

200000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 18.710 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN054206.D

Acq: 13 Mar 2019 12:36

Instrument :

MSVOA_N

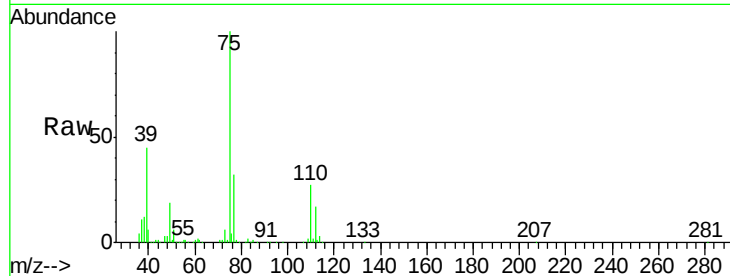
ClientSampled :

Tot Ion: 75 Resp: 376818

Ion Ratio Lower Upper

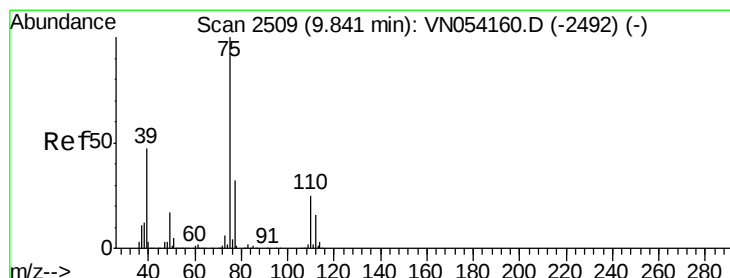
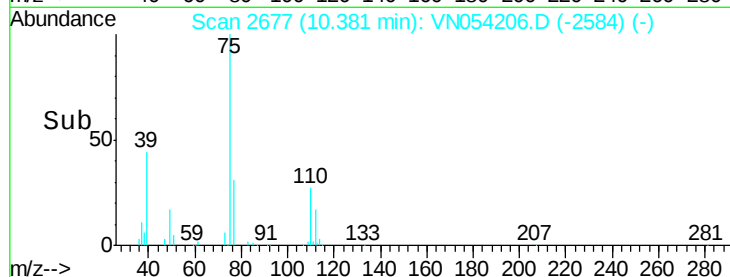
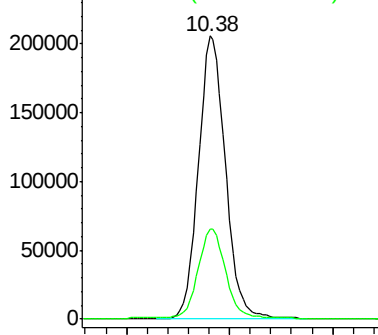
75 100

77 31.4 25.8 38.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 19.755 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN054206.D

Acq: 13 Mar 2019 12:36

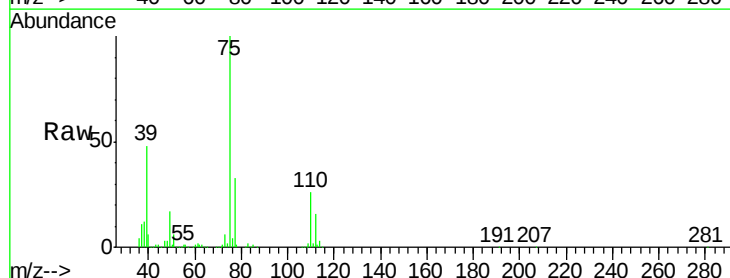
Tgt Ion: 75 Resp: 435500

Ion Ratio Lower Upper

75 100

77 32.9 25.4 38.0

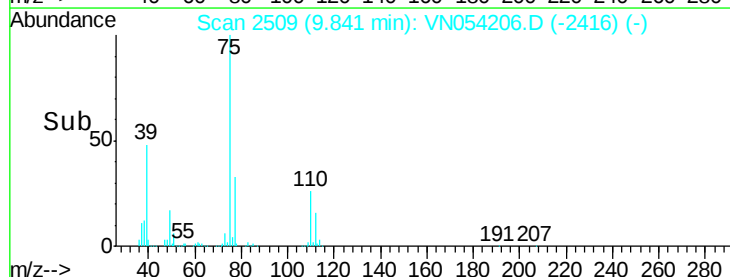
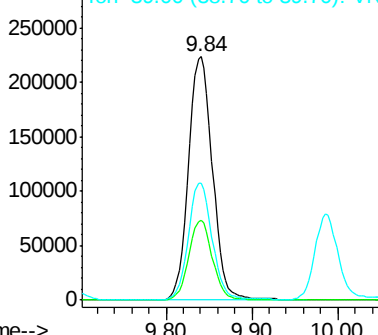
39 47.8 37.2 55.8

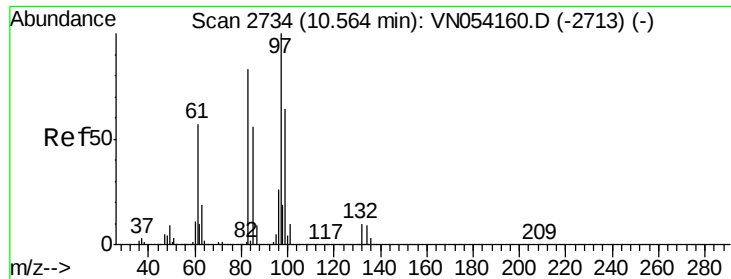


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

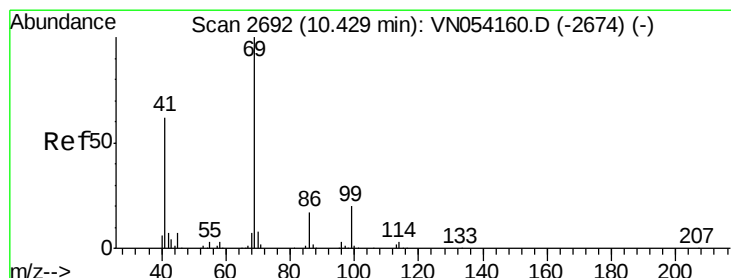
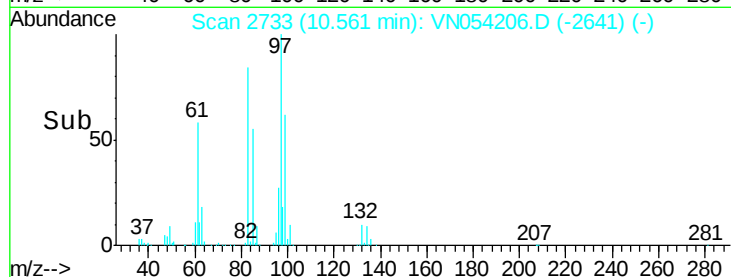
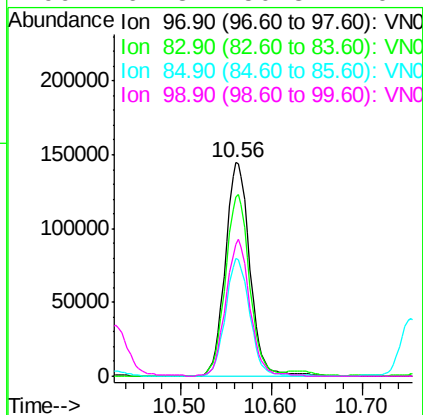
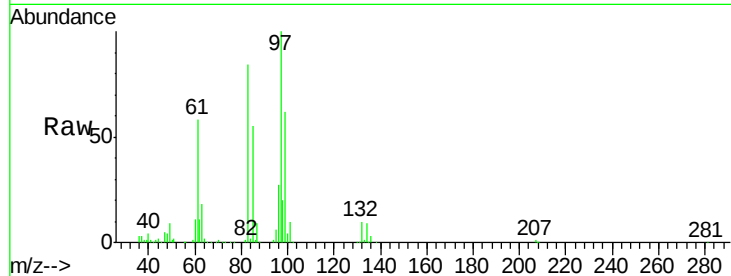




#55
 1,1,2-Trichloroethane
 Concen: 20.910 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN054206.D
 Acq: 13 Mar 2019 12:36

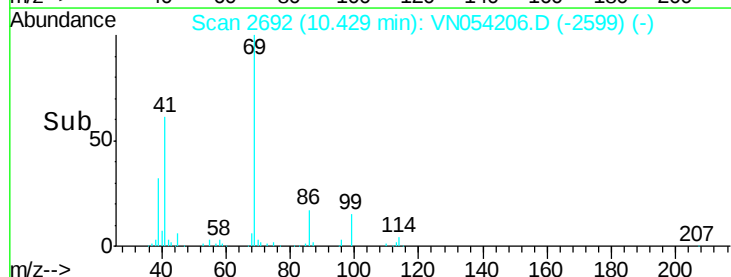
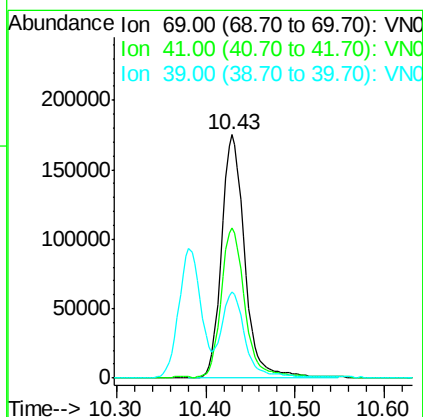
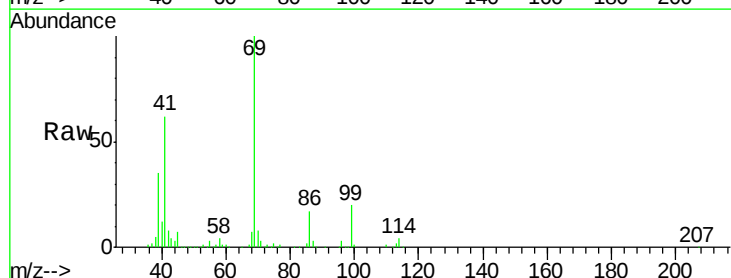
Instrument :
 MSVOA_N
 ClientSampled :

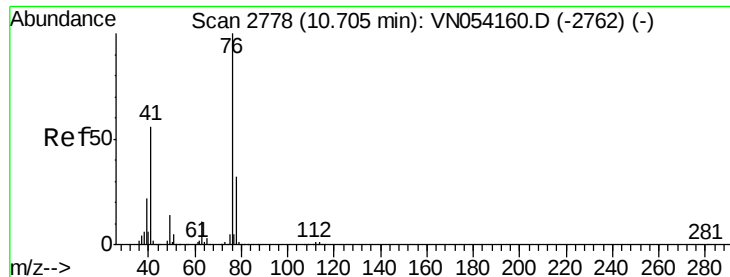
Tot Ion:	97	Resp:	272292
Ion	Ratio	Lower	Upper
97	100		
83	83.8	66.6	100.0
85	54.9	44.4	66.6
99	61.8	50.8	76.2



#56
 Ethyl methacrylate
 Concen: 20.384 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN054206.D
 Acq: 13 Mar 2019 12:36

Tgt Ion:	69	Resp:	316498
Ion	Ratio	Lower	Upper
69	100		
41	61.9	49.4	74.2
39	34.8	28.3	42.5





#57

1,3-Dichloropropane

Concen: 20.458 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN054206.D

Acq: 13 Mar 2019 12:36

Instrument :

MSVOA_N

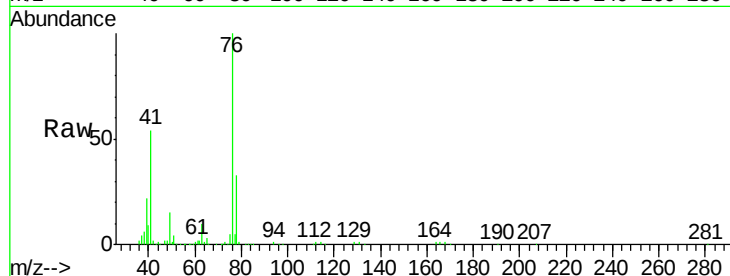
ClientSampleId :

Tot Ion: 76 Resp: 435596

Ion Ratio Lower Upper

76 100

78 33.2 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

250000

200000

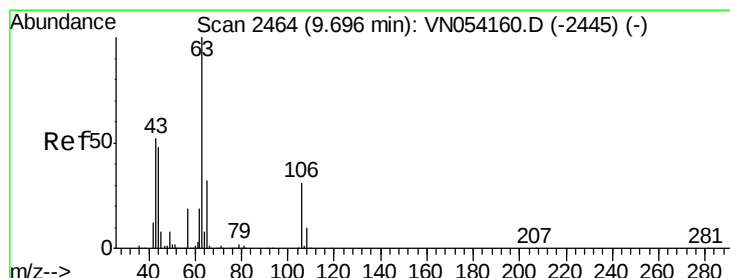
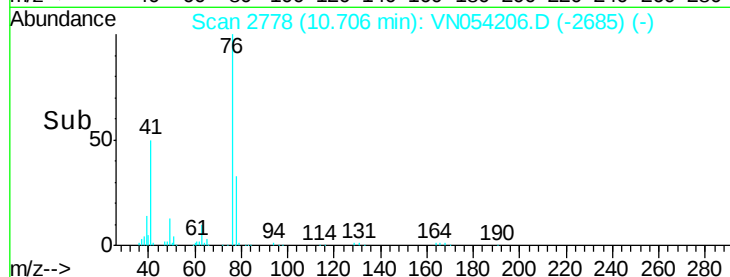
150000

100000

50000

0

Time--> 10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 95.510 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN054206.D

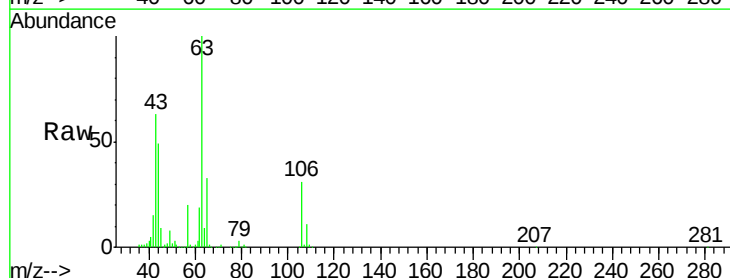
Acq: 13 Mar 2019 12:36

Tgt Ion: 63 Resp: 568276

Ion Ratio Lower Upper

63 100

106 30.6 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

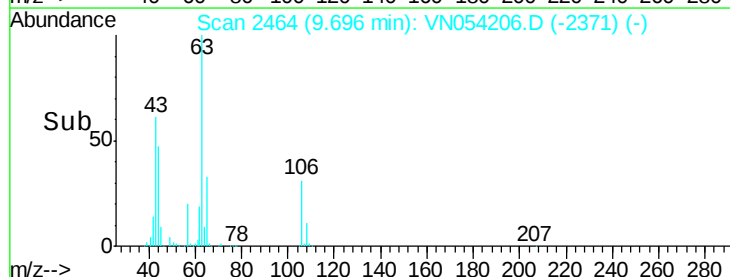
300000

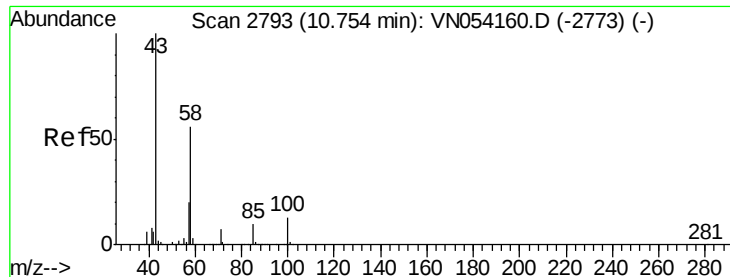
200000

100000

0

Time--> 9.60 9.70 9.80

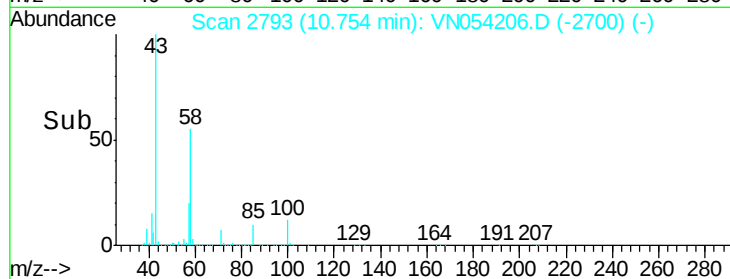
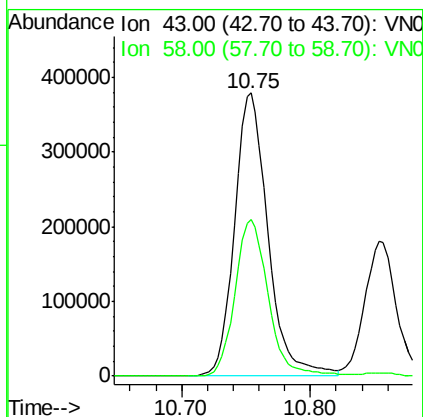
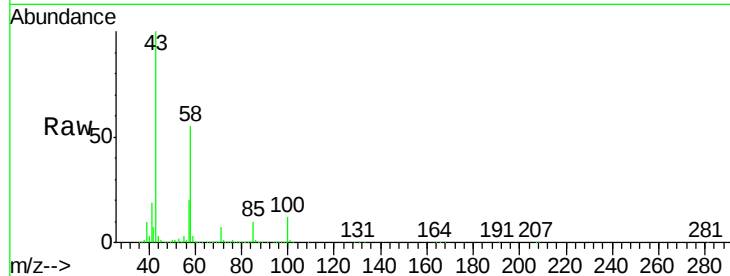




#59
2-Hexanone
Concen: 97.104 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN054206.D
Acq: 13 Mar 2019 12:36

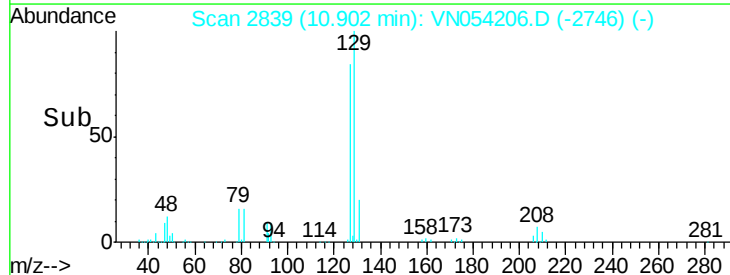
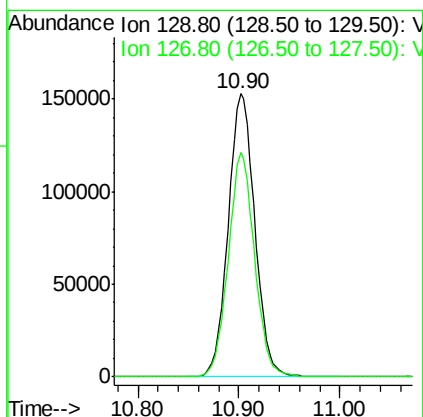
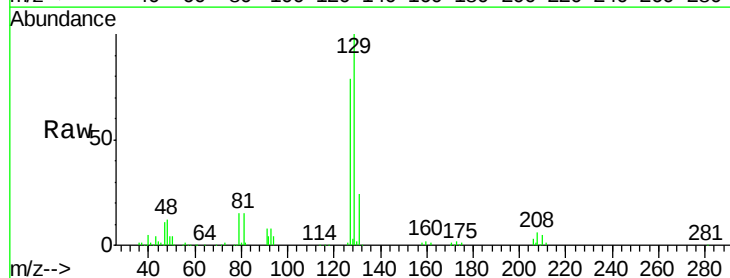
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 677832
Ion Ratio Lower Upper
43 100
58 55.4 28.0 83.9



#60
Dibromochloromethane
Concen: 19.197 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN054206.D
Acq: 13 Mar 2019 12:36

Tgt Ion: 129 Resp: 281366
Ion Ratio Lower Upper
129 100
127 78.3 38.6 115.8

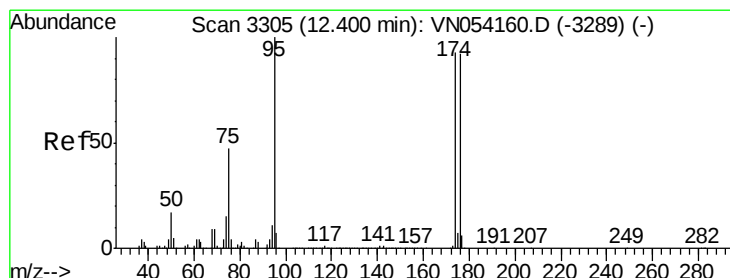
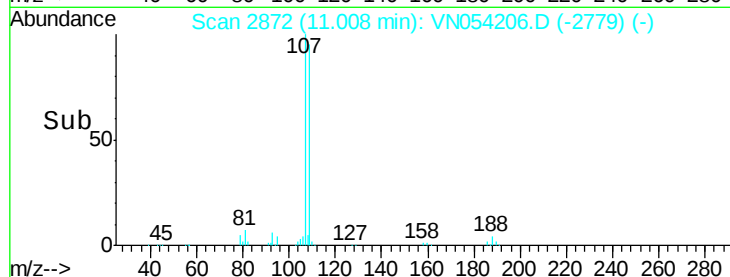
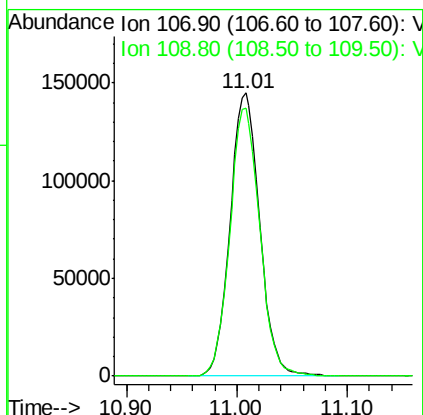
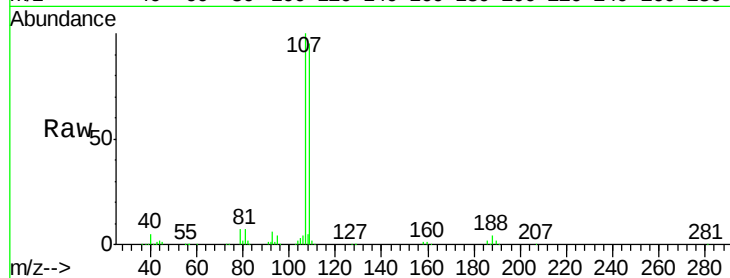




#61
 1,2-Dibromoethane
 Concen: 20.394 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN054206.D
 Acq: 13 Mar 2019 12:36

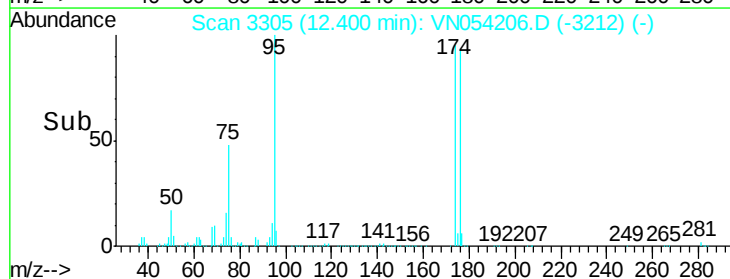
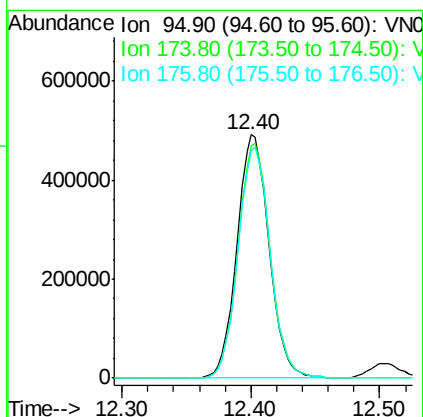
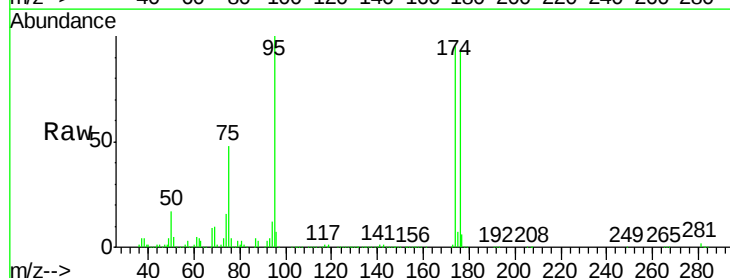
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 107 Resp: 269874
 Ion Ratio Lower Upper
 107 100
 109 95.8 75.9 113.9



#62
 4-Bromofluorobenzene
 Concen: 47.786 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN054206.D
 Acq: 13 Mar 2019 12:36

Tgt Ion: 95 Resp: 850014
 Ion Ratio Lower Upper
 95 100
 174 96.6 0.0 191.0
 176 95.1 0.0 187.4

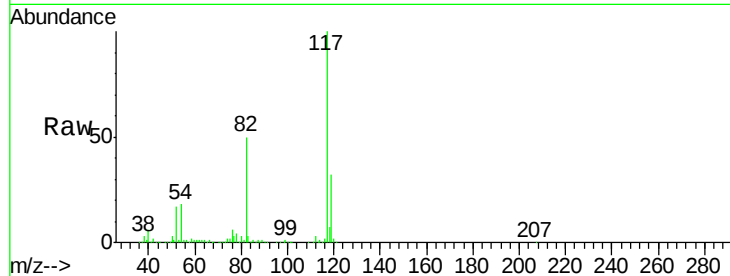




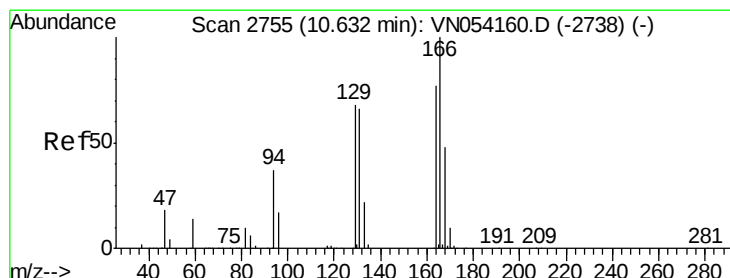
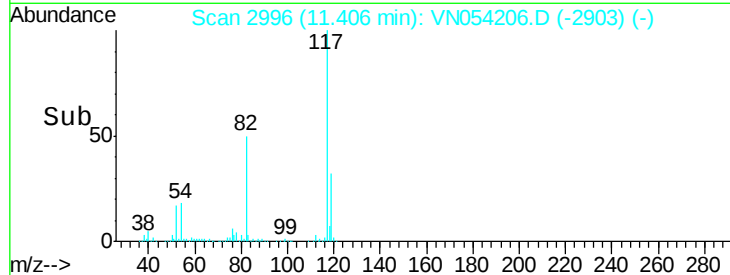
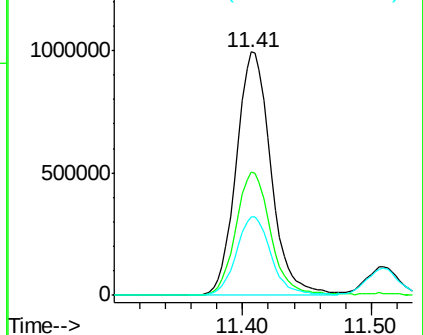
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054206.D
Acq: 13 Mar 2019 12:36

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 1862433
Ion Ratio Lower Upper
117 100
82 50.5 40.0 60.0
119 32.5 25.8 38.6

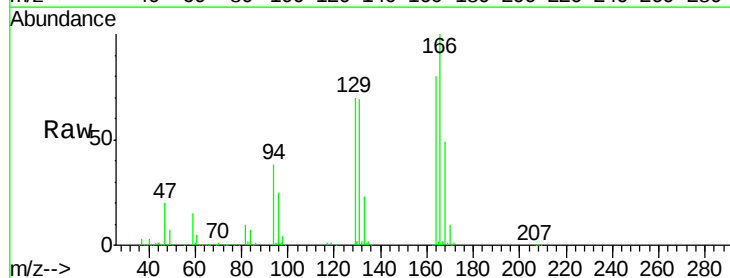


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

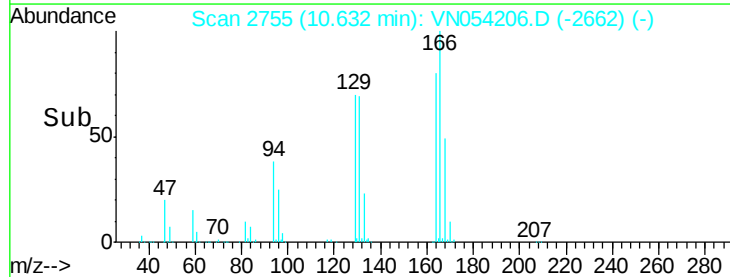
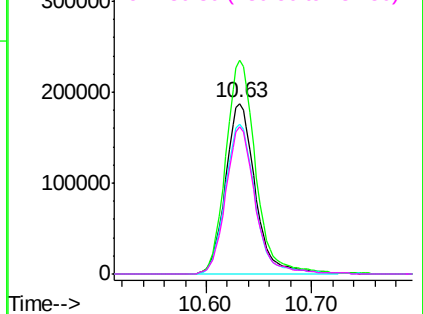


#64
Tetrachloroethene
Concen: 20.333 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN054206.D
Acq: 13 Mar 2019 12:36

Tgt Ion:164 Resp: 366134
Ion Ratio Lower Upper
164 100
166 125.1 103.9 155.9
129 87.9 71.1 106.7
131 86.4 68.2 102.4



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

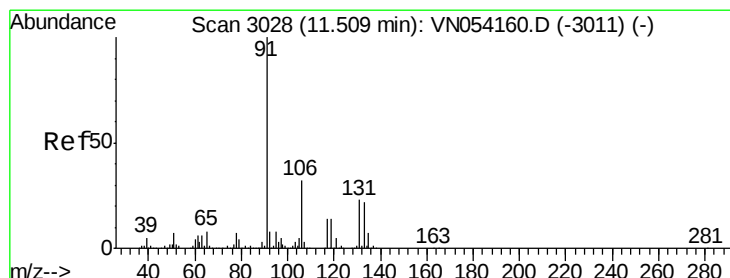
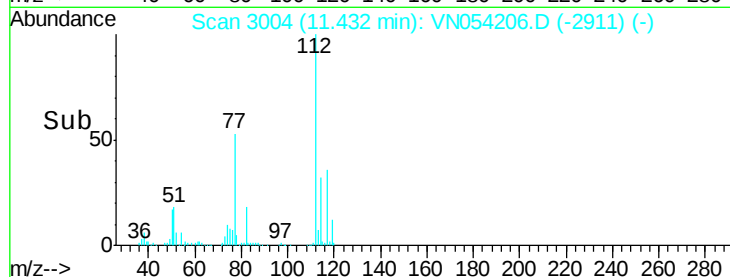
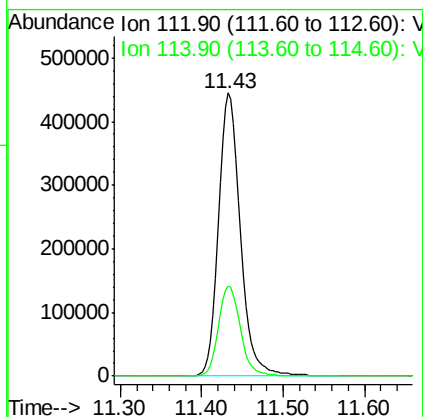
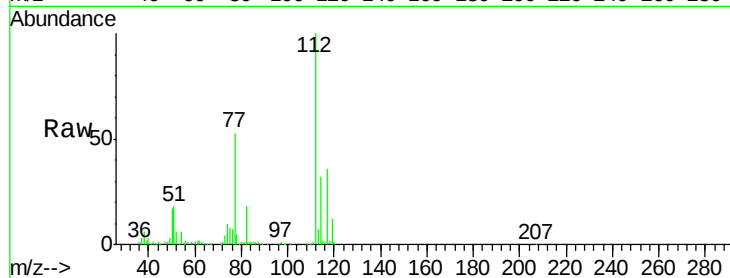




#65
Chlorobenzene
Concen: 20.754 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN054206.D
Acq: 13 Mar 2019 12:36

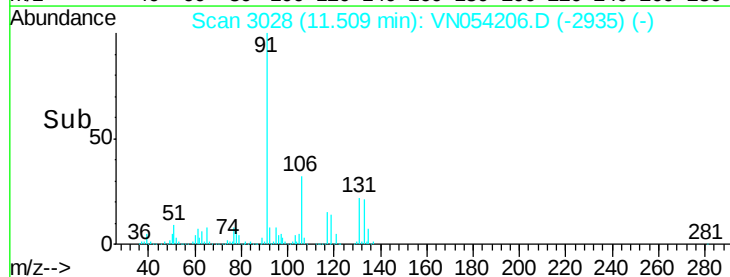
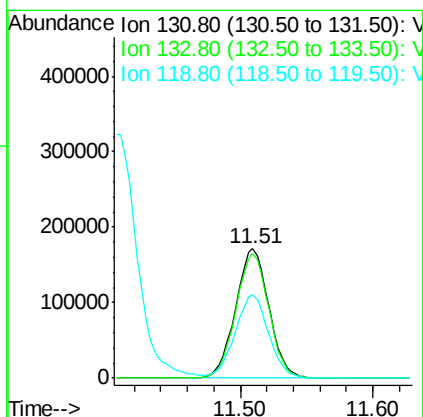
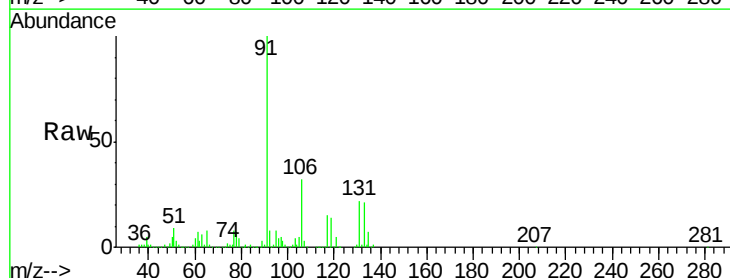
Instrument :
MSVOA_N
ClientSampled :

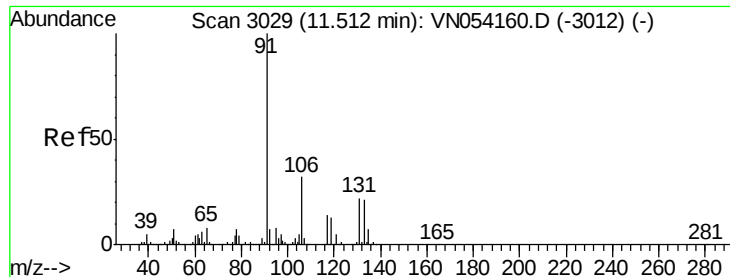
Tot Ion:112 Resp: 848731
Ion Ratio Lower Upper
112 100
114 31.9 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 20.170 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN054206.D
Acq: 13 Mar 2019 12:36

Tgt Ion:131 Resp: 299635
Ion Ratio Lower Upper
131 100
133 95.4 47.6 142.9
119 64.9 32.4 97.0





#67

Ethyl Benzene

Concen: 20.409 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN054206.D

Acq: 13 Mar 2019 12:36

Instrument :

MSVOA_N

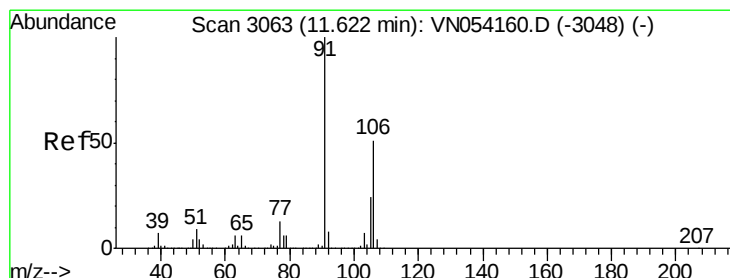
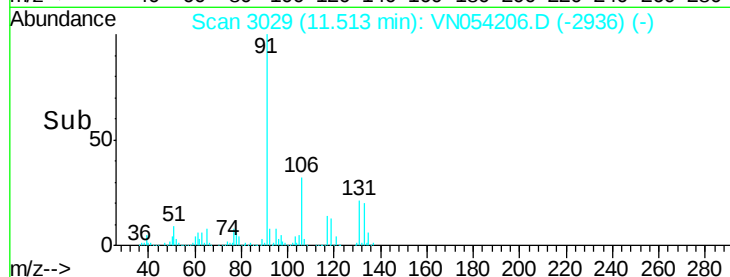
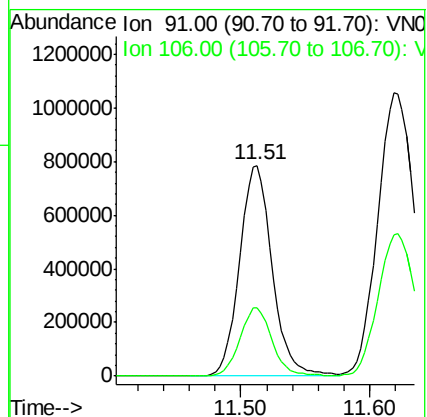
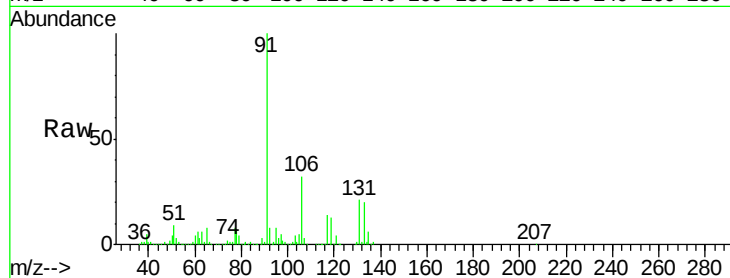
ClientSampled :

Tot Ion: 91 Resp: 1383507

Ion Ratio Lower Upper

91 100

106 32.4 25.5 38.3



#68

m/p-Xylenes

Concen: 41.178 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN054206.D

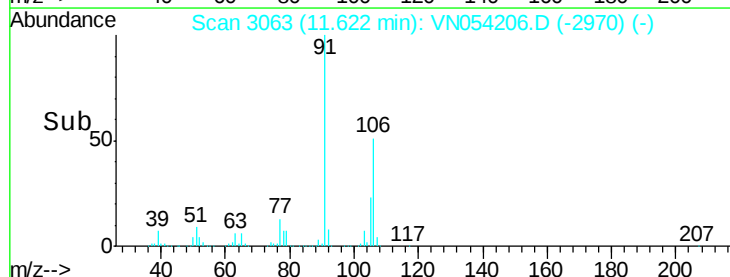
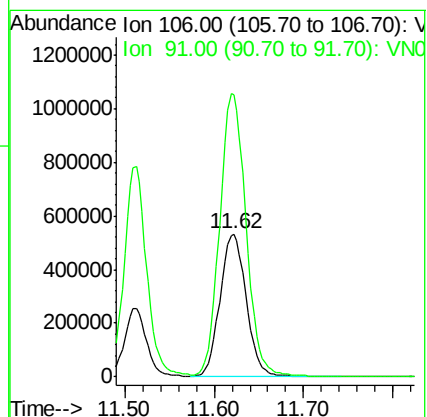
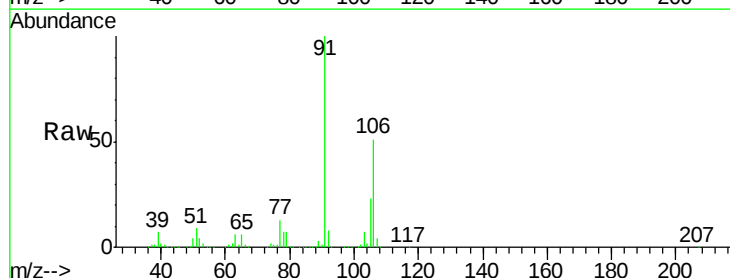
Acq: 13 Mar 2019 12:36

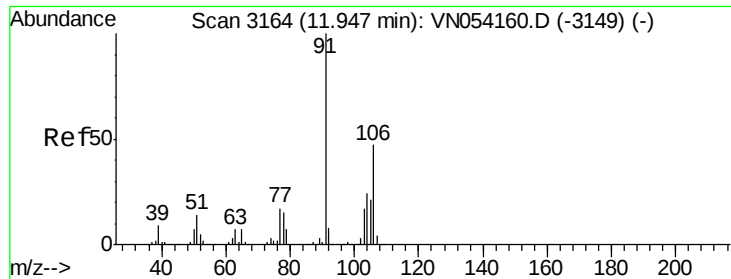
Tgt Ion: 106 Resp: 1091010

Ion Ratio Lower Upper

106 100

91 198.0 159.4 239.2

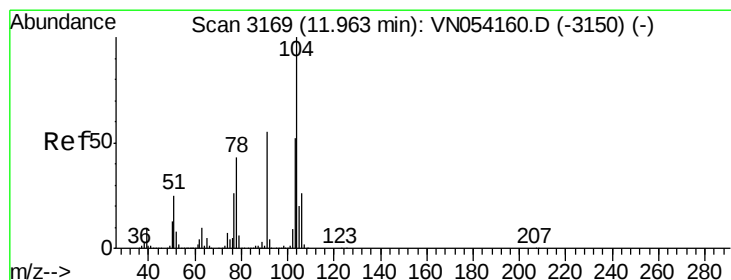
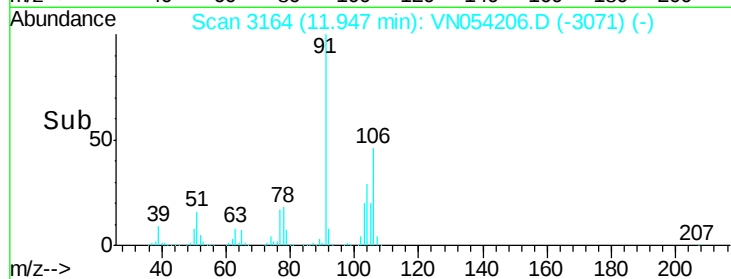
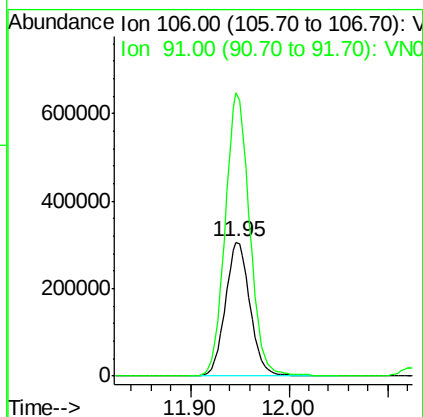
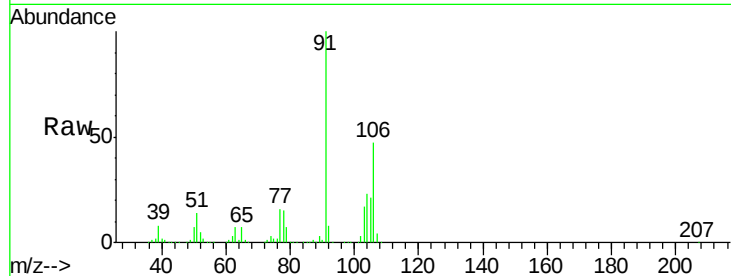




#69
o-Xylene
Concen: 20.831 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054206.D
Acq: 13 Mar 2019 12:36

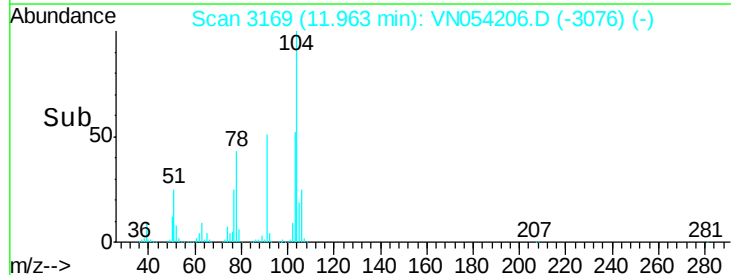
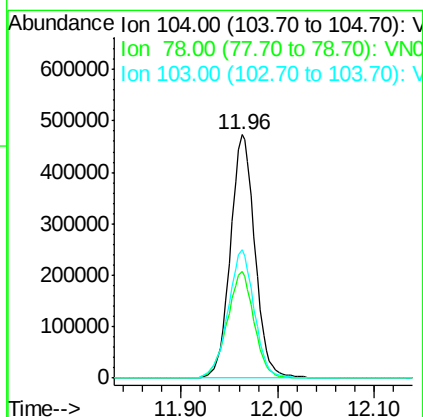
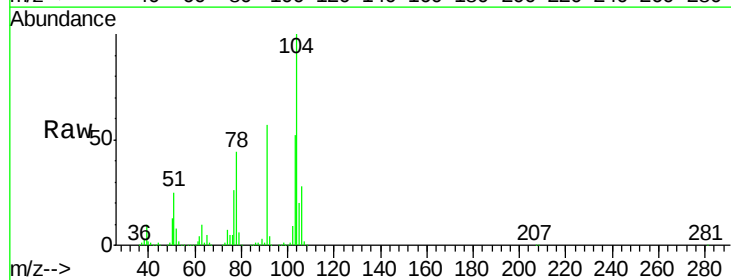
Instrument :
MSVOA_N
ClientSampleId :

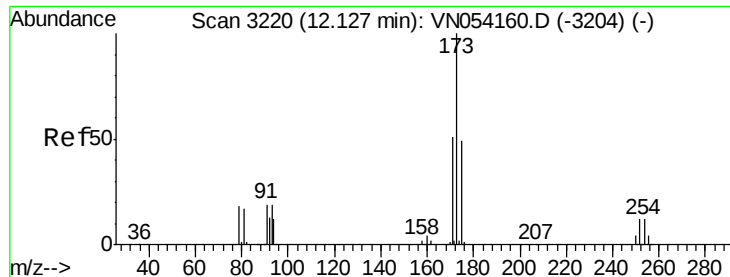
Tot Ion:106 Resp: 538029
Ion Ratio Lower Upper
106 100
91 209.3 105.7 317.1



#70
Styrene
Concen: 20.526 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN054206.D
Acq: 13 Mar 2019 12:36

Tgt Ion:104 Resp: 831456
Ion Ratio Lower Upper
104 100
78 48.1 38.2 57.2
103 56.4 44.4 66.6





#71

Bromoform

Concen: 17.872 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN054206.D

Acq: 13 Mar 2019 12:36

Instrument :

MSVOA_N

ClientSampleId :

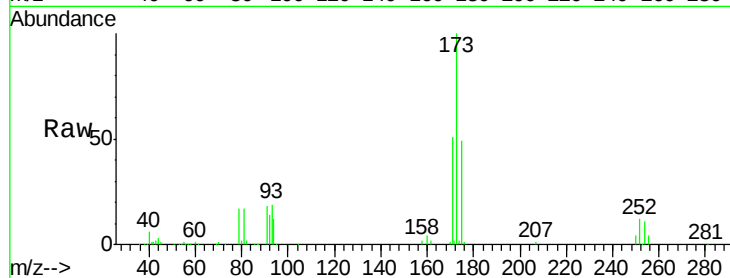
Tot Ion:173 Resp: 184436

Ion Ratio Lower Upper

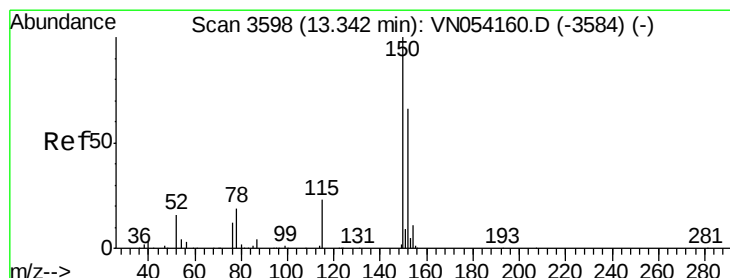
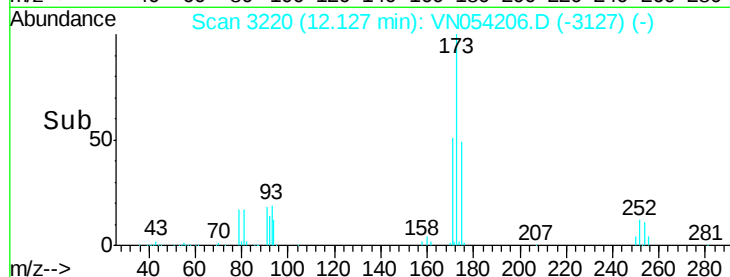
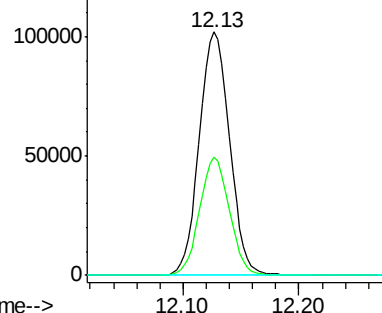
173 100

175 47.3 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: VN054206.D

Acq: 13 Mar 2019 12:36

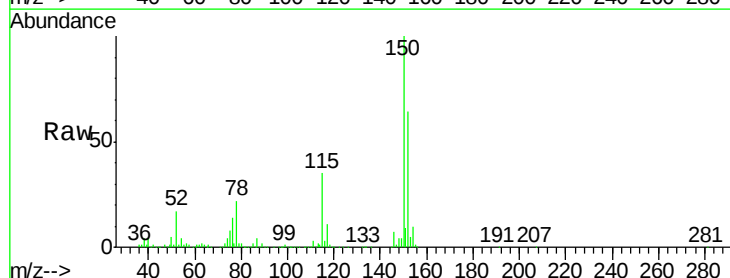
Tgt Ion:152 Resp: 900734

Ion Ratio Lower Upper

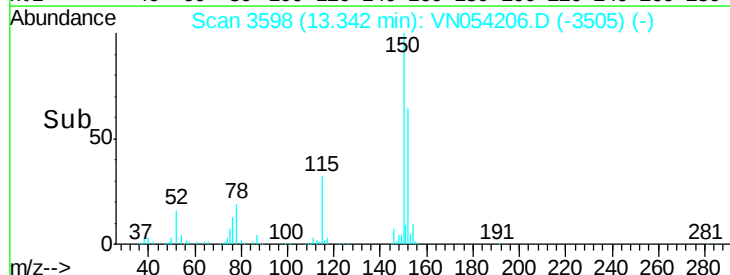
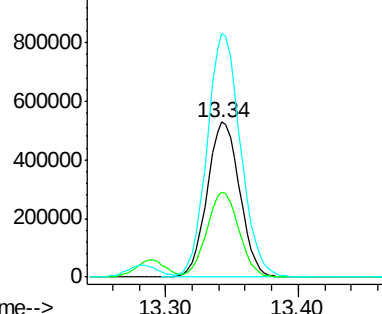
152 100

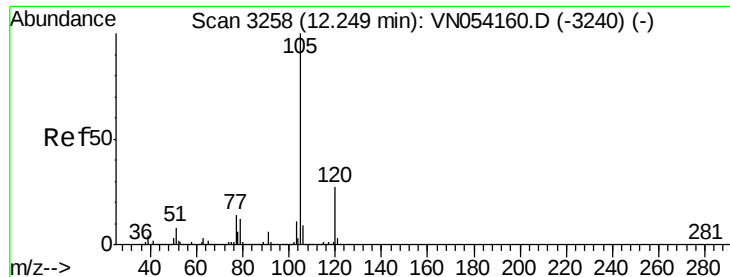
115 54.4 27.2 81.6

150 161.4 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: 19.840 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054206.D

Acq: 13 Mar 2019 12:36

Instrument :

MSVOA_N

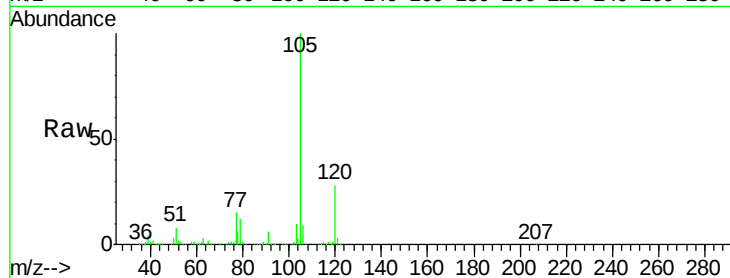
ClientSampled :

Tot Ion:105 Resp: 1429739

Ion Ratio Lower Upper

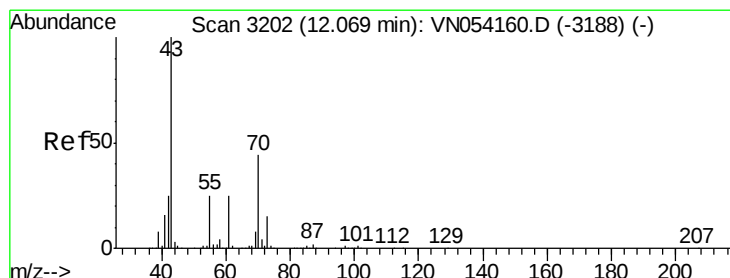
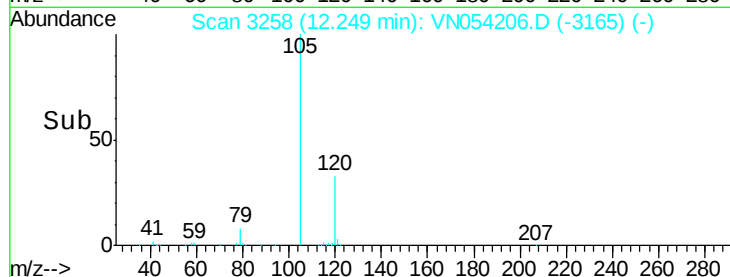
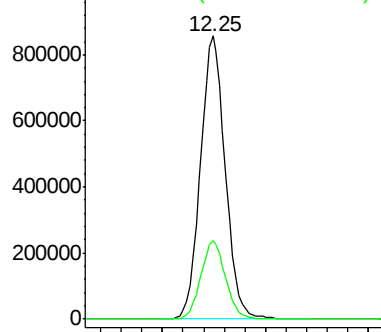
105 100

120 27.6 13.8 41.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.137 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN054206.D

Acq: 13 Mar 2019 12:36

Tgt Ion: 43 Resp: 306117

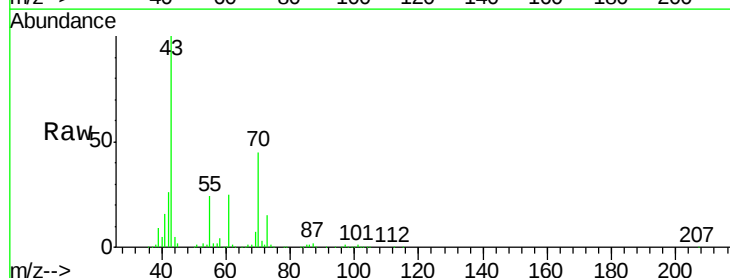
Ion Ratio Lower Upper

43 100

70 44.8 35.4 53.0

55 25.0 19.8 29.6

61 25.2 19.8 29.6

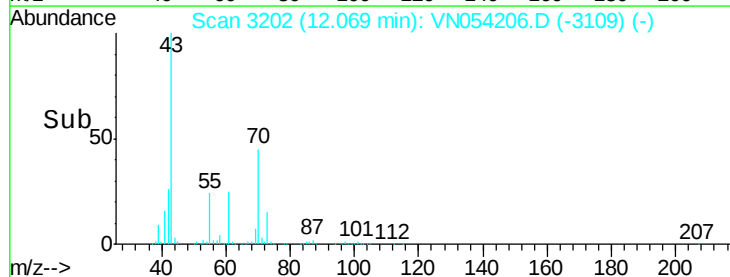
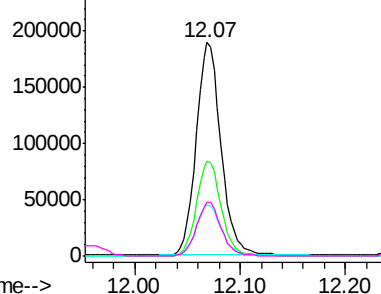


Abundance Ion 43.00 (42.70 to 43.70): V

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





#75

1,1,2,2-Tetrachloroethane

Concen: 19.528 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN054206.D

Acq: 13 Mar 2019 12:36

Instrument :

MSVOA_N

ClientSampleId :

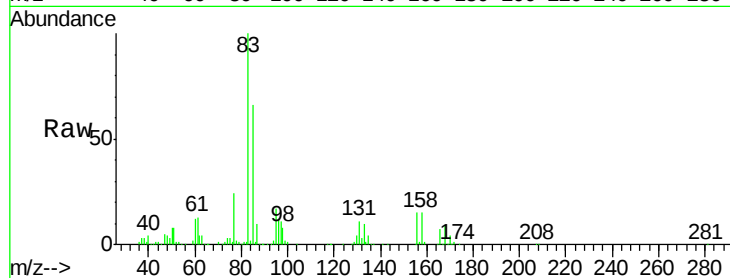
Tot Ion: 83 Resp: 299823

Ion Ratio Lower Upper

83 100

131 11.7 5.8 17.4

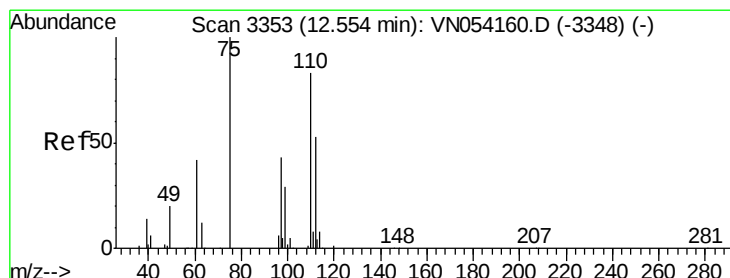
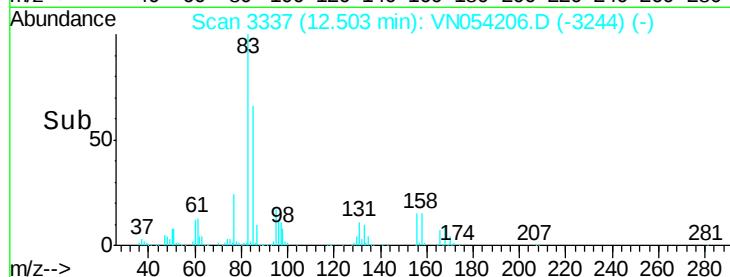
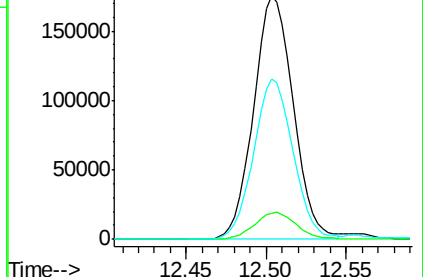
85 65.6 32.2 96.6



Abundance Ion 82.90 (82.60 to 83.60): VN054206.D (-3320) (-)

Ion 130.80 (130.50 to 131.50): VN054206.D (-3320) (-)

Ion 84.90 (84.60 to 85.60): VN054206.D (-3320) (-)



#76

1,2,3-Trichloropropane

Concen: 27.661 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN054206.D

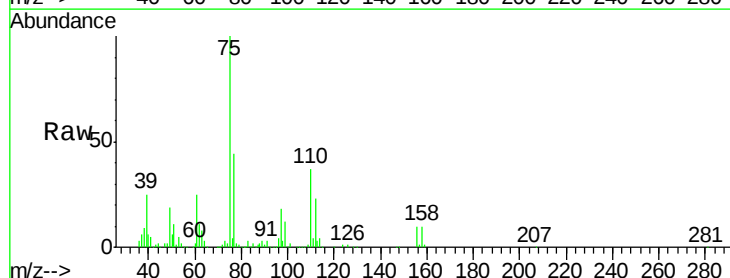
Acq: 13 Mar 2019 12:36

Tgt Ion: 75 Resp: 366389

Ion Ratio Lower Upper

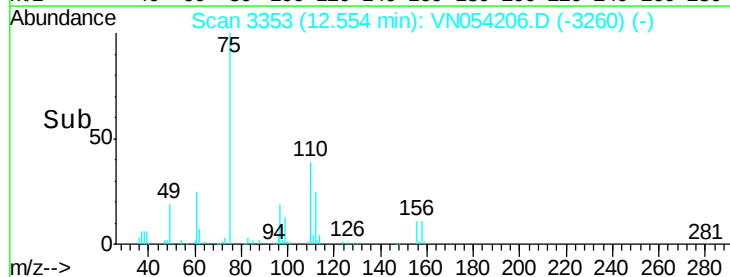
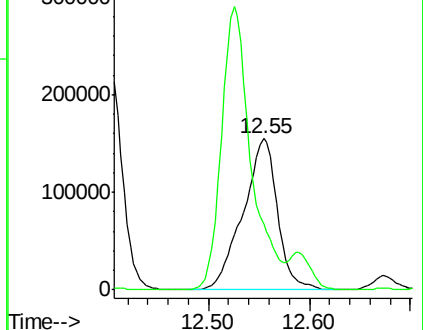
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN054206.D (-3348) (-)

Ion 77.00 (76.70 to 77.70): VN054206.D (-3348) (-)





#77

Bromobenzene

Concen: 19.855 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN054206.D

Acq: 13 Mar 2019 12:36

Instrument :

MSVOA_N

ClientSampleId :

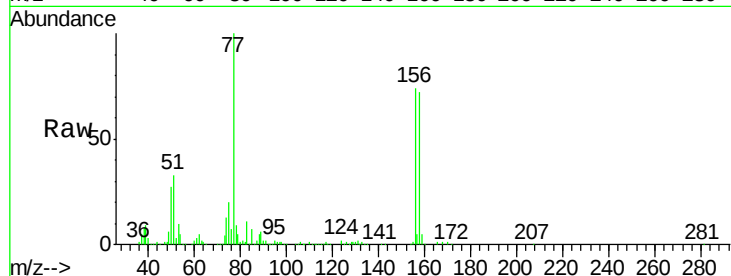
Tot Ion:156 Resp: 378618

Ion Ratio Lower Upper

156 100

77 157.4 81.5 244.4

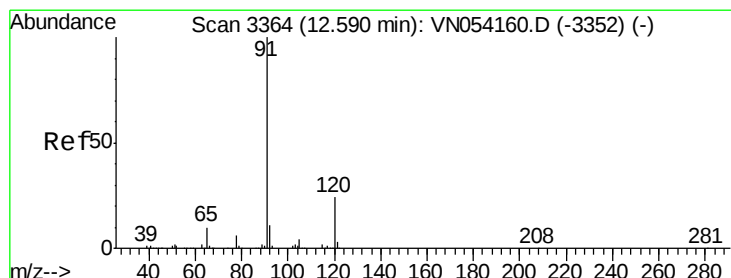
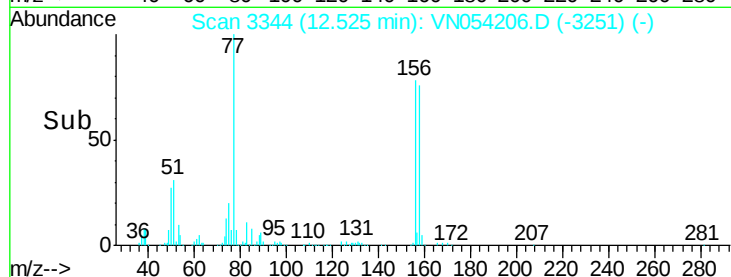
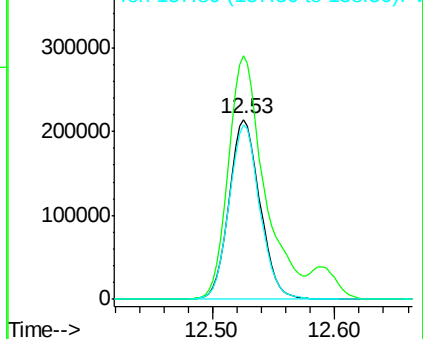
158 96.8 49.0 147.2



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: 19.903 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN054206.D

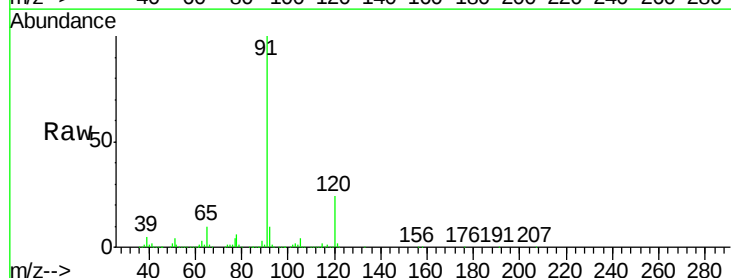
Acq: 13 Mar 2019 12:36

Tgt Ion: 91 Resp: 1556301

Ion Ratio Lower Upper

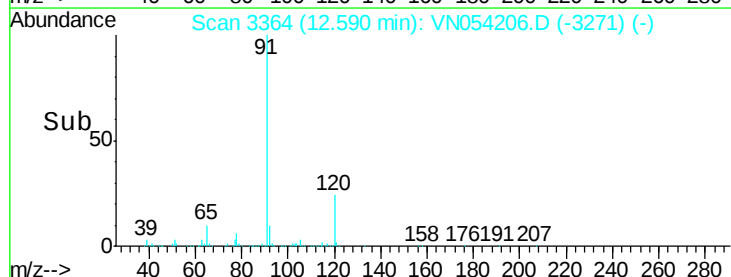
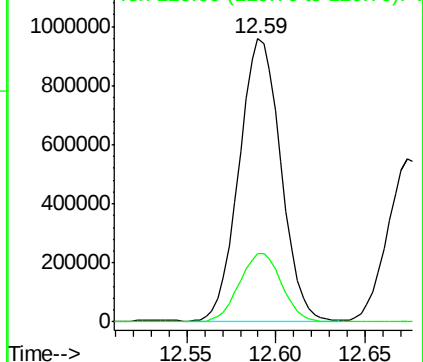
91 100

120 24.6 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: 19.779 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN054206.D

Acq: 13 Mar 2019 12:36

Instrument :

MSVOA_N

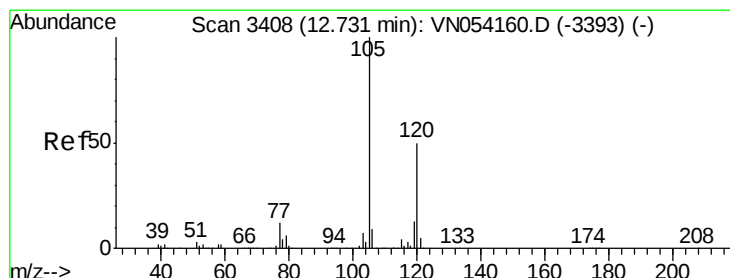
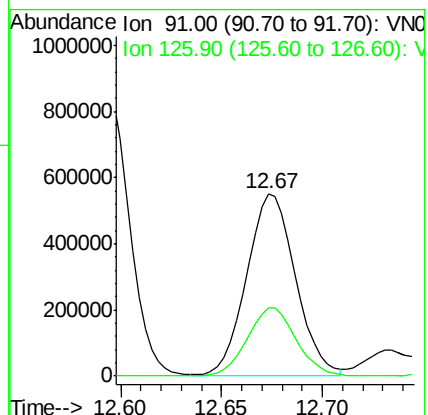
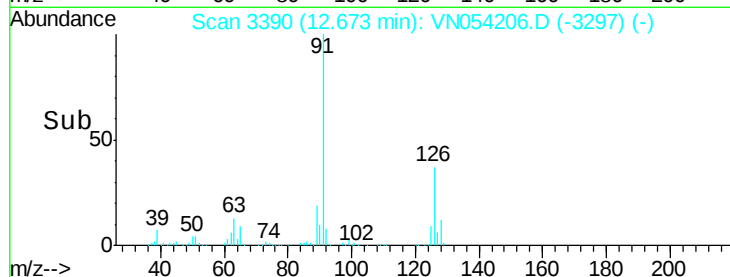
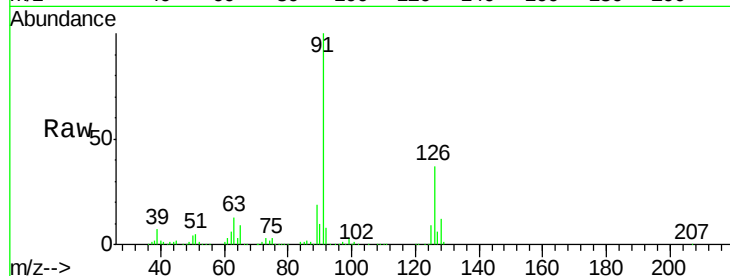
ClientSampleId :

Tot Ion: 91 Resp: 929926

Ion Ratio Lower Upper

91 100

126 37.8 18.7 56.1



#80

1,3,5-Trimethylbenzene

Concen: 19.770 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN054206.D

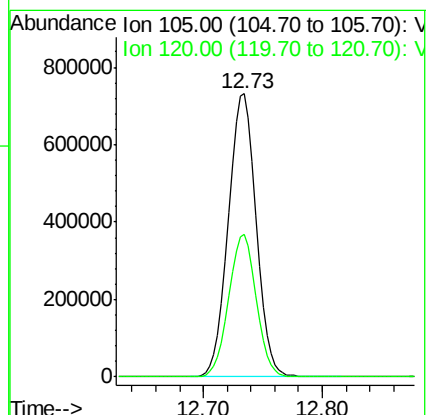
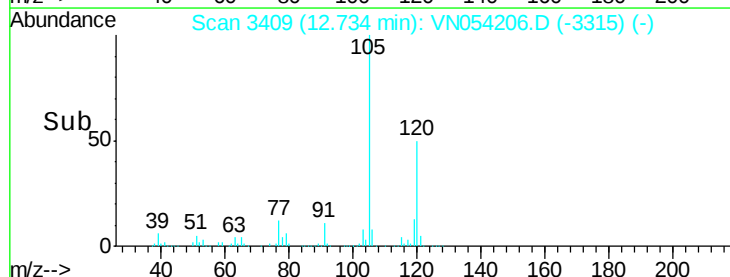
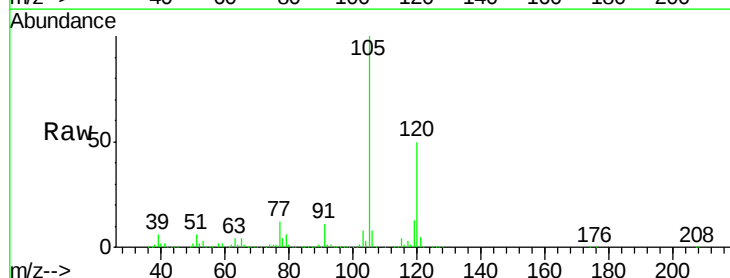
Acq: 13 Mar 2019 12:36

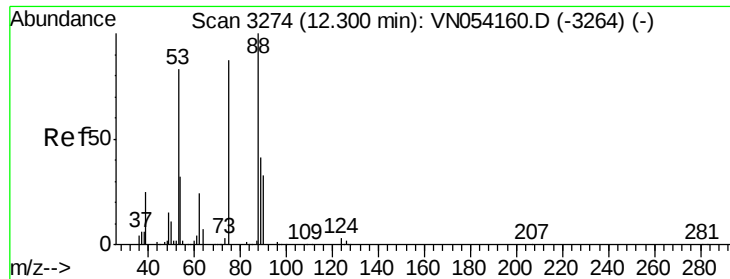
Tgt Ion: 105 Resp: 1185047

Ion Ratio Lower Upper

105 100

120 49.9 25.0 75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 15.585 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN054206.D

Acq: 13 Mar 2019 12:36

Instrument :

MSVOA_N

ClientSampleId :

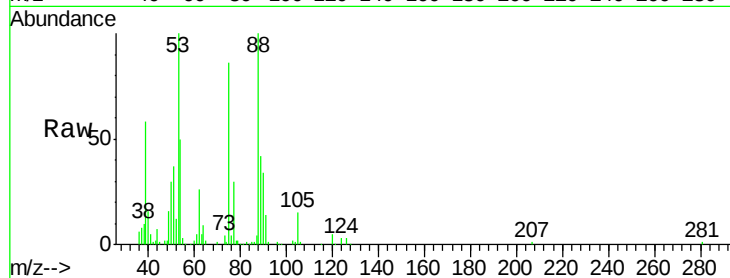
Tot Ion: 75 Resp: 60388

Ion Ratio Lower Upper

75 100

53 113.1 76.2 114.2

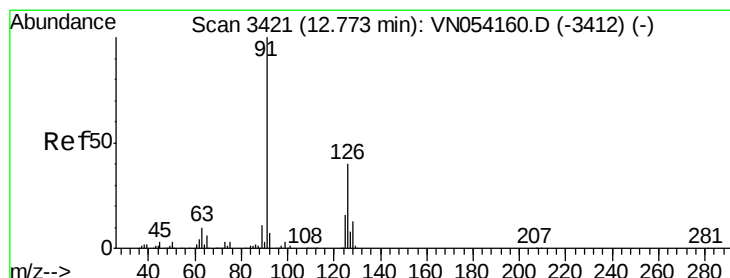
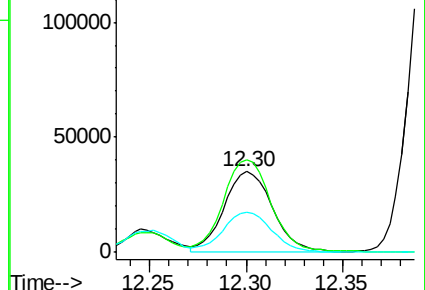
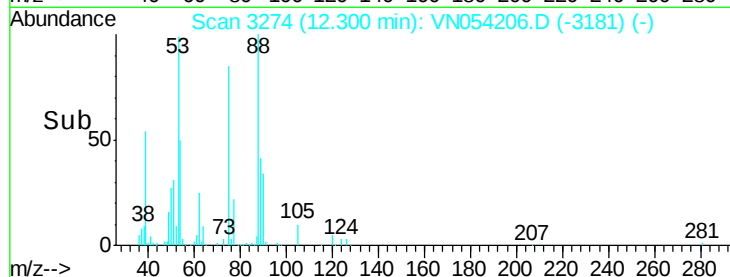
89 51.4 39.2 58.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 19.859 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN054206.D

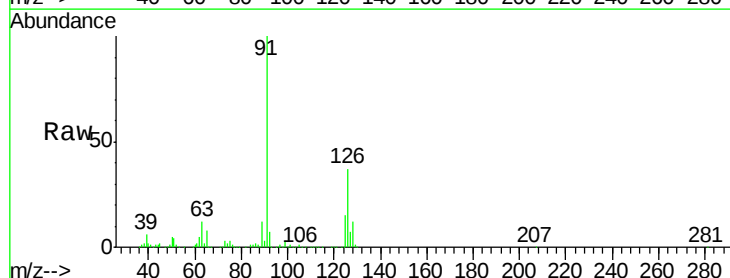
Acq: 13 Mar 2019 12:36

Tgt Ion: 91 Resp: 932342

Ion Ratio Lower Upper

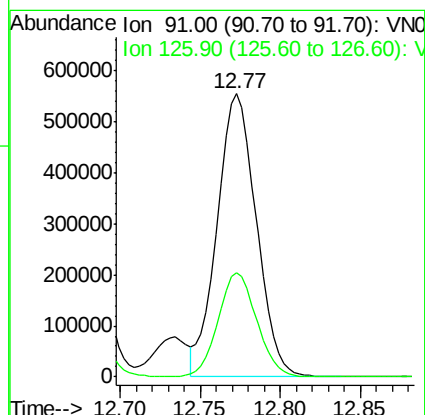
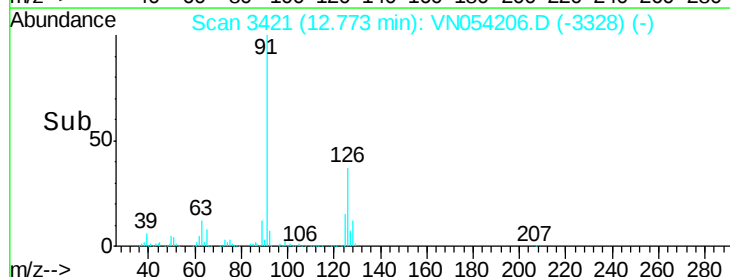
91 100

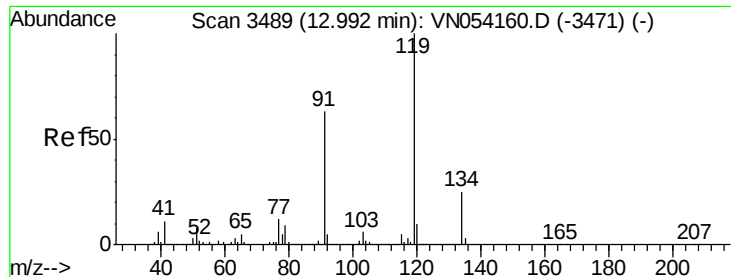
126 36.3 18.1 54.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 19.747 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN054206.D

Acq: 13 Mar 2019 12:36

Instrument :

MSVOA_N

ClientSampleId :

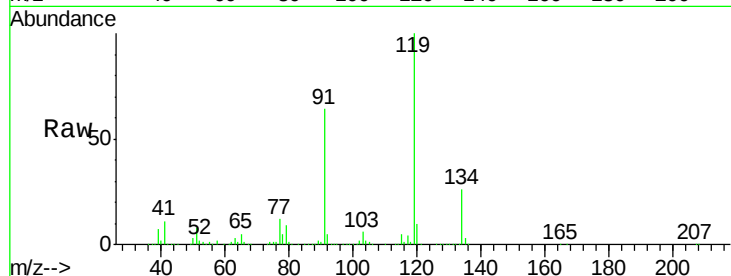
Tot Ion:119 Resp: 1089485

Ion Ratio Lower Upper

119 100

91 61.7 30.9 92.8

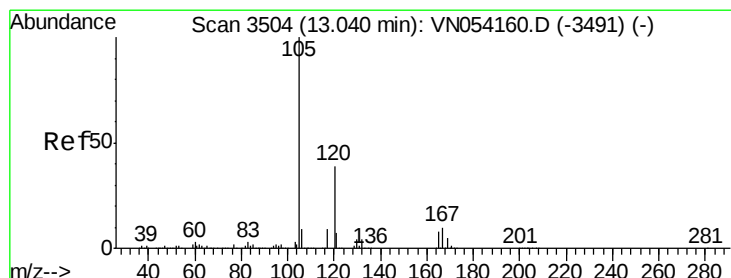
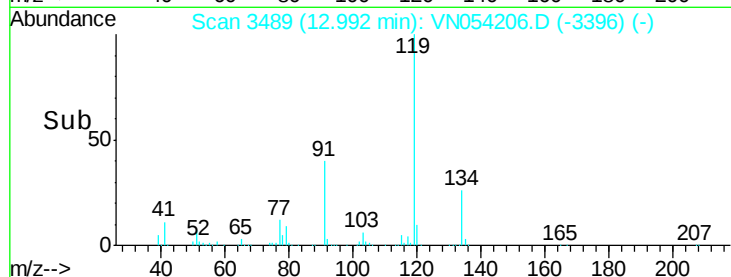
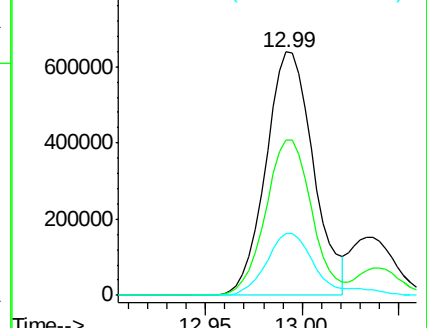
134 26.8 13.2 39.6



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: 20.146 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN054206.D

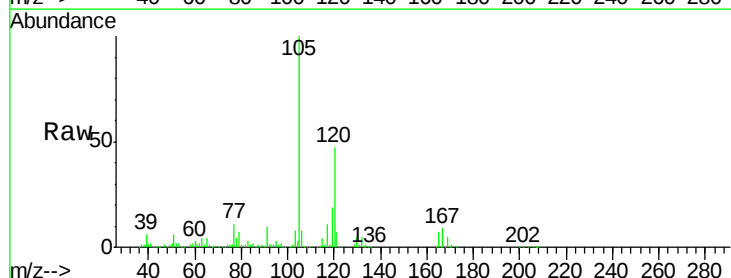
Acq: 13 Mar 2019 12:36

Tgt Ion:105 Resp: 1184736

Ion Ratio Lower Upper

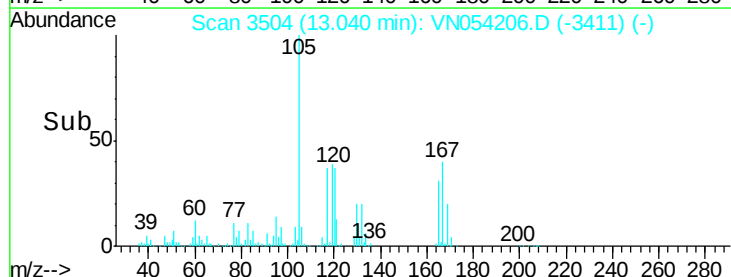
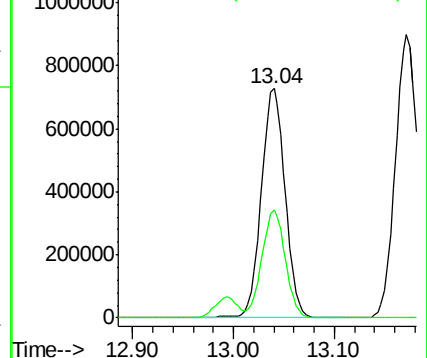
105 100

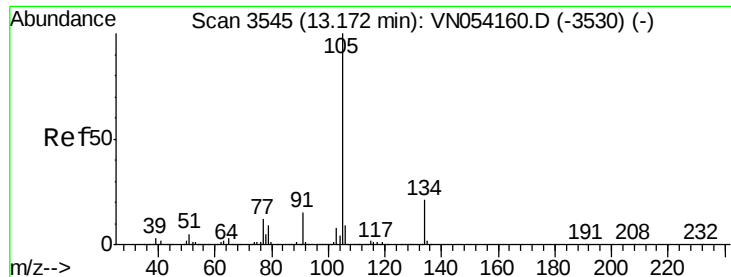
120 46.4 23.4 70.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 19.816 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN054206.D

Acq: 13 Mar 2019 12:36

Instrument :

MSVOA_N

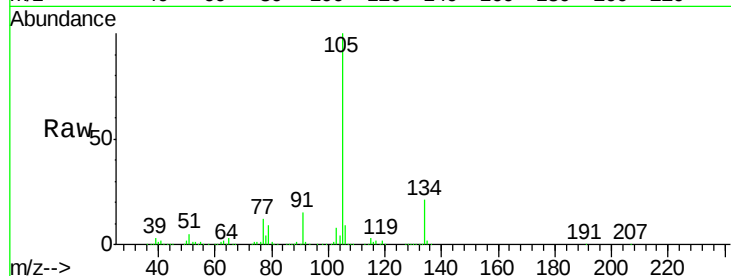
ClientSampled :

Tot Ion:105 Resp: 1417849

Ion Ratio Lower Upper

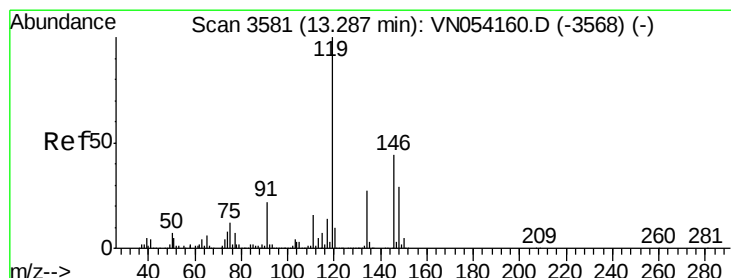
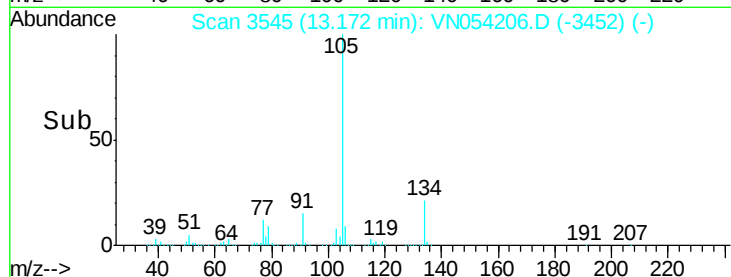
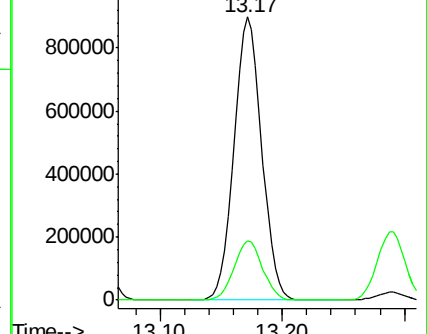
105 100

134 21.5 10.7 32.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.055 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN054206.D

Acq: 13 Mar 2019 12:36

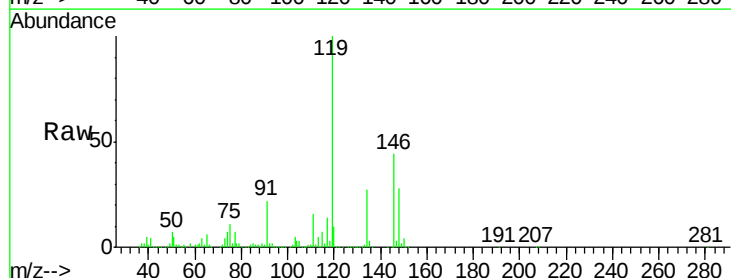
Tgt Ion:119 Resp: 1258889

Ion Ratio Lower Upper

119 100

134 26.9 13.6 40.8

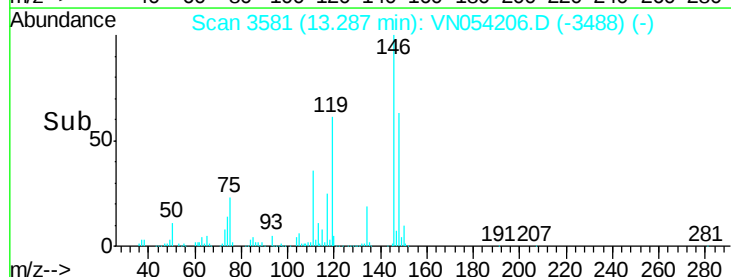
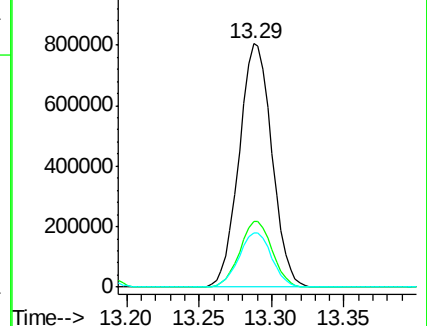
91 22.2 11.1 33.3

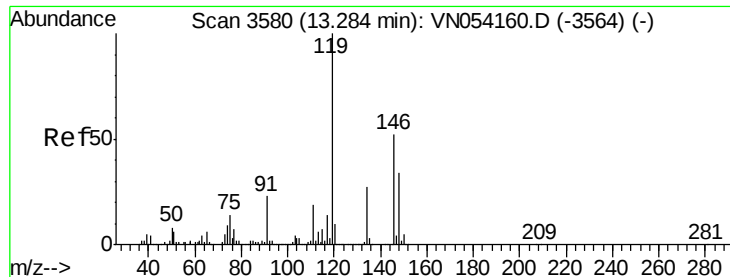


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 20.553 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN054206.D

Acq: 13 Mar 2019 12:36

Instrument :

MSVOA_N

ClientSampled :

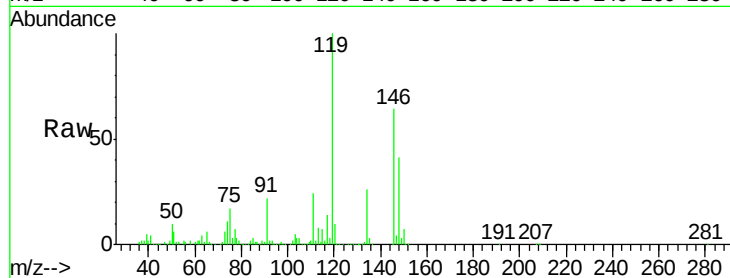
Tot Ion:146 Resp: 660403

Ion Ratio Lower Upper

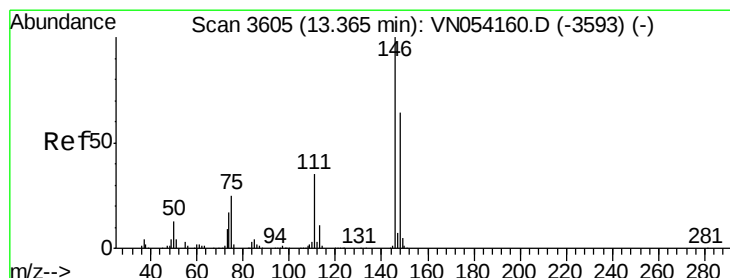
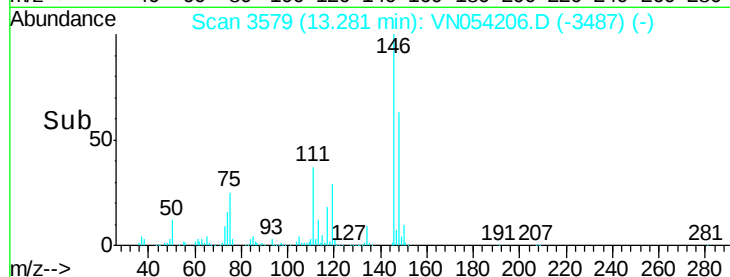
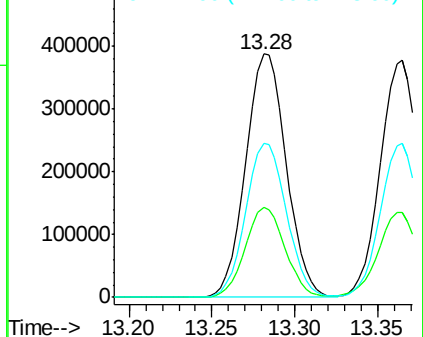
146 100

111 36.3 18.8 56.3

148 63.6 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: 19.846 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN054206.D

Acq: 13 Mar 2019 12:36

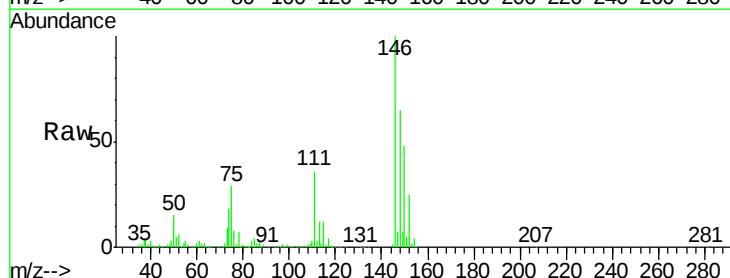
Tgt Ion:146 Resp: 626468

Ion Ratio Lower Upper

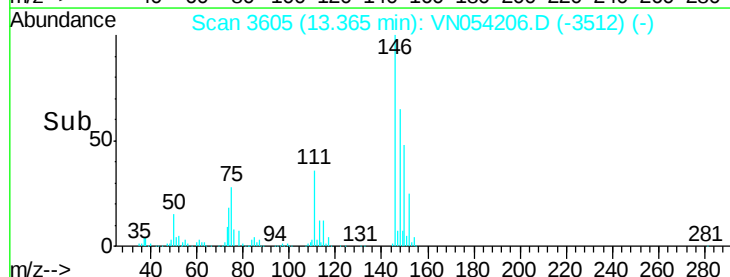
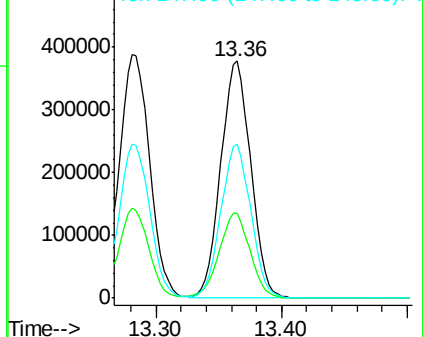
146 100

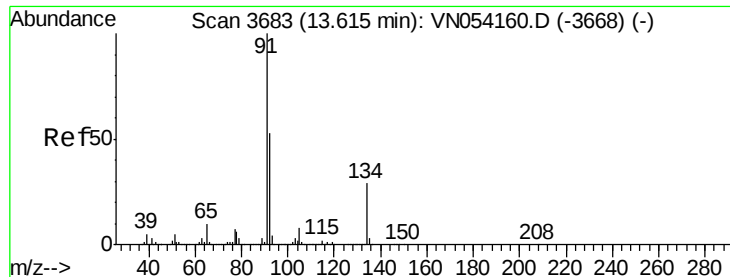
111 36.9 18.1 54.1

148 64.7 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: 20.448 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN054206.D

Acq: 13 Mar 2019 12:36

Instrument :

MSVOA_N

ClientSampleId :

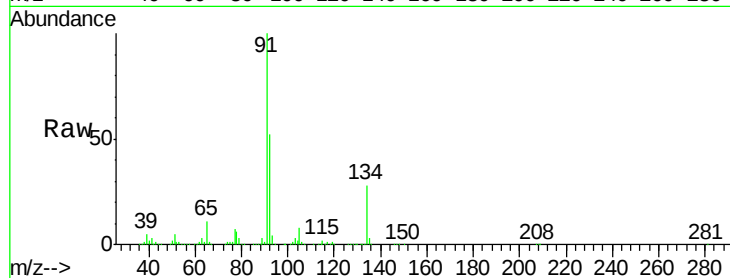
Tot Ion: 91 Resp: 975266

Ion Ratio Lower Upper

91 100

92 52.6 26.2 78.6

134 28.5 14.3 42.9

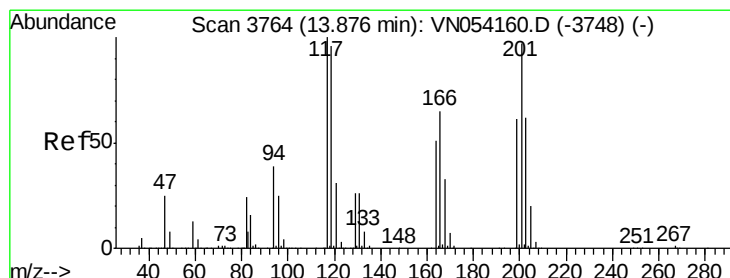
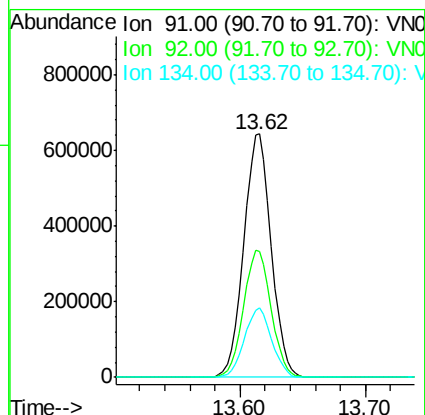
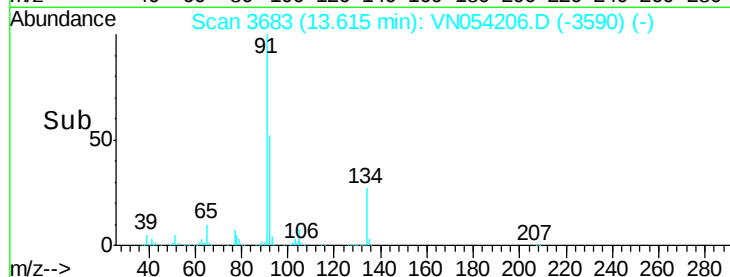


Abundance Ion 91.00 (90.70 to 91.70): VN054160.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN054160.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN054160.D (-3668) (-)

Time-->



#90

Hexachloroethane

Concen: 17.398 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN054206.D

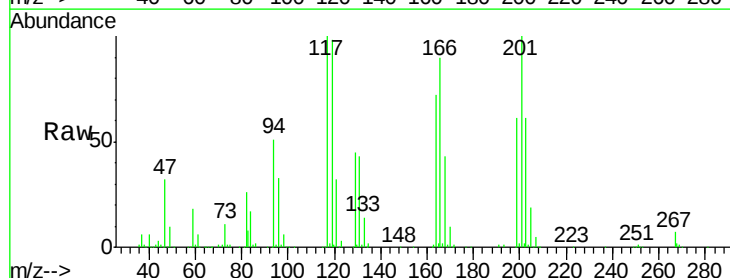
Acq: 13 Mar 2019 12:36

Tgt Ion: 117 Resp: 180837

Ion Ratio Lower Upper

117 100

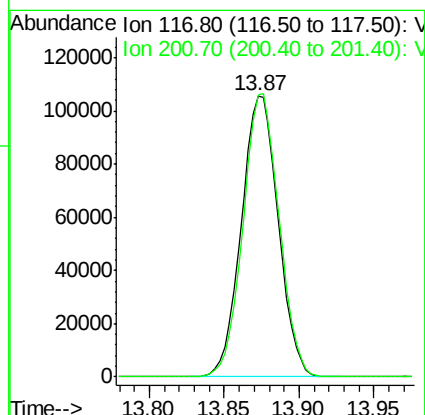
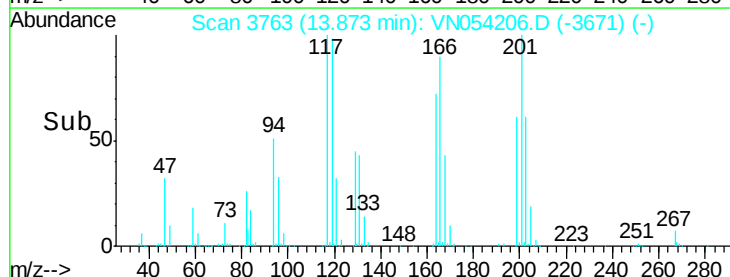
201 98.6 48.1 144.4



Abundance Ion 116.80 (116.50 to 117.50): VN054160.D (-3748) (-)

Ion 200.70 (200.40 to 201.40): VN054160.D (-3748) (-)

Time-->





#91

1,2-Dichlorobenzene

Concen: 20.415 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN054206.D

Acq: 13 Mar 2019 12:36

Instrument :

MSVOA_N

ClientSampled :

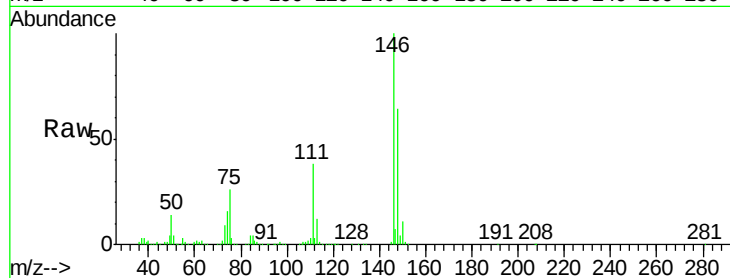
Tot Ion:146 Resp: 641279

Ion Ratio Lower Upper

146 100

111 38.3 19.1 57.3

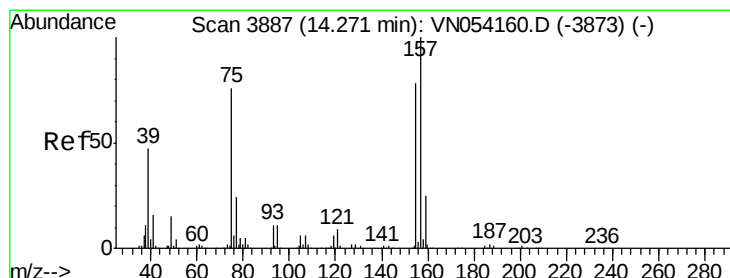
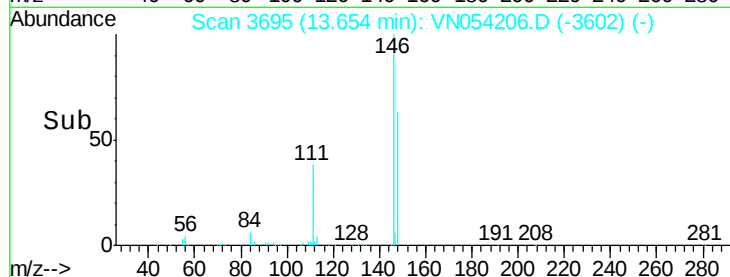
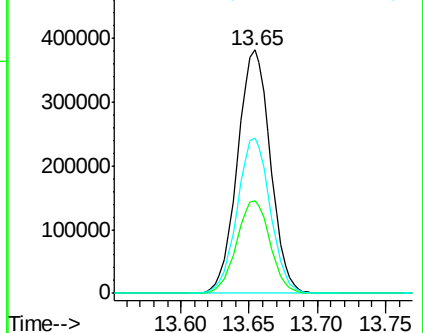
148 63.9 32.4 97.0



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: 18.525 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

Lab File: VN054206.D

Acq: 13 Mar 2019 12:36

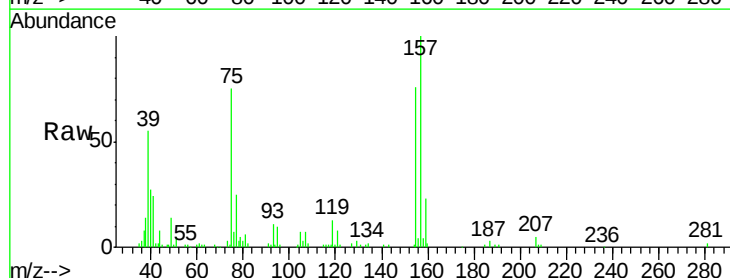
Tgt Ion: 75 Resp: 44013

Ion Ratio Lower Upper

75 100

155 98.5 50.1 150.3

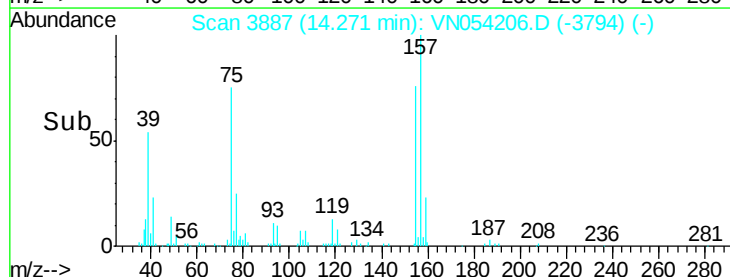
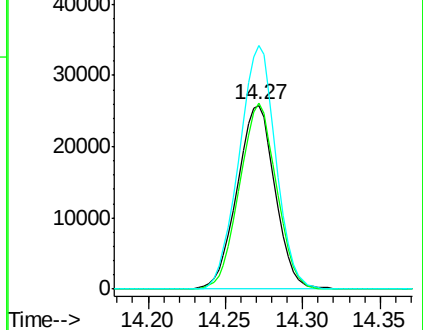
157 128.8 63.1 189.3

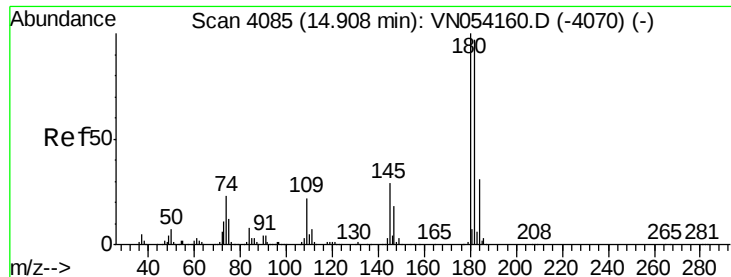


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

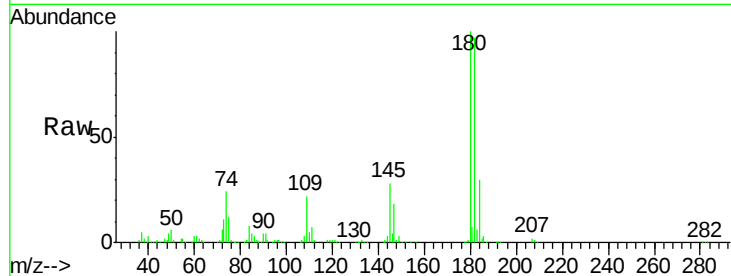




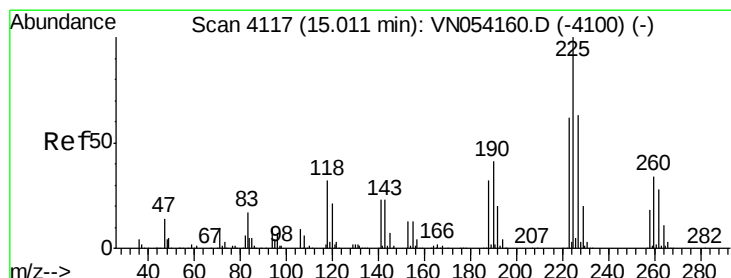
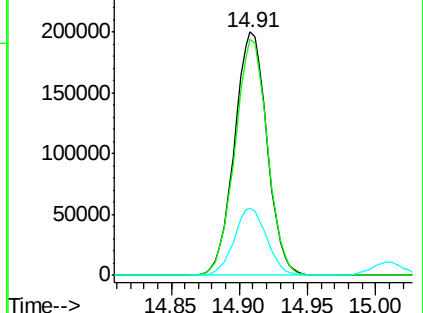
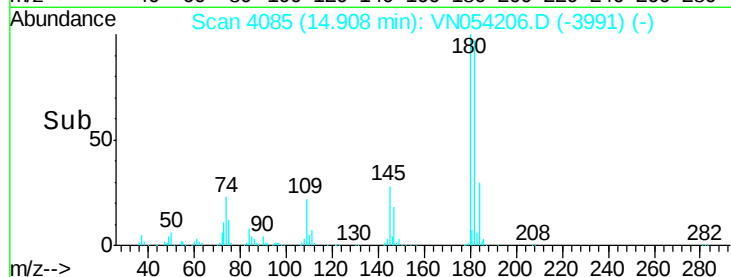
#93
 1,2,4-Trichlorobenzene
 Concen: 19.136 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN054206.D
 Acq: 13 Mar 2019 12:36

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:180 Resp: 331889
 Ion Ratio Lower Upper
 180 100
 182 96.7 48.0 144.2
 145 27.6 14.2 42.8

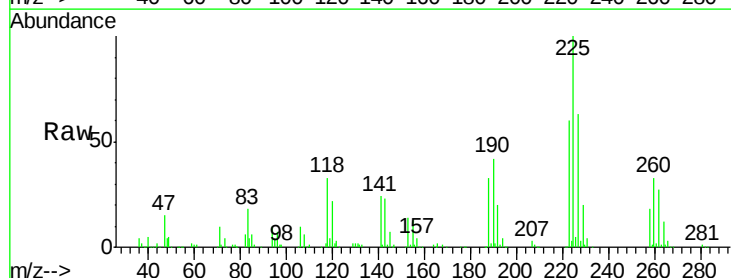


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

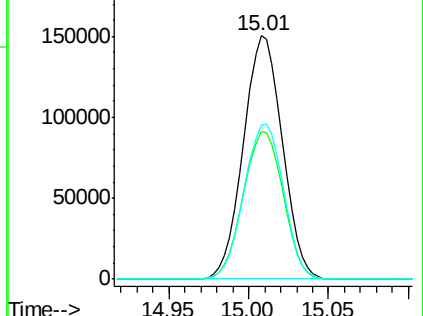
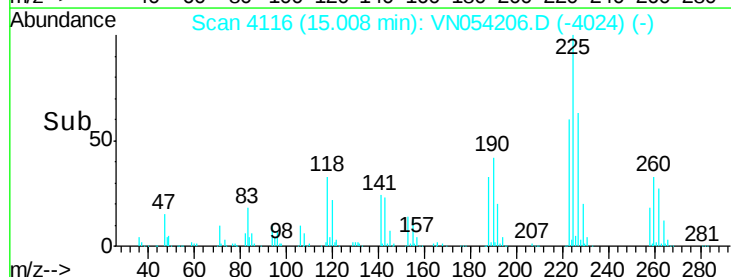


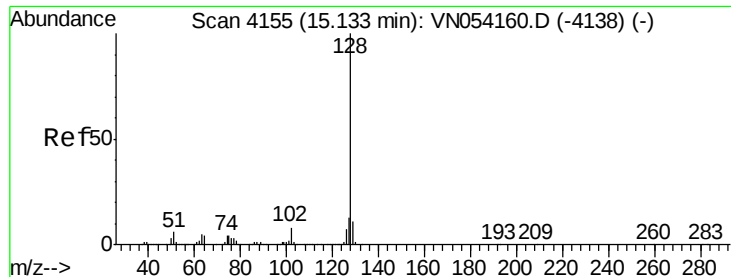
#94
 Hexachlorobutadiene
 Concen: 20.931 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN054206.D
 Acq: 13 Mar 2019 12:36

Tgt Ion:225 Resp: 250436
 Ion Ratio Lower Upper
 225 100
 223 62.0 31.1 93.5
 227 64.7 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: 18.633 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN054206.D

Acq: 13 Mar 2019 12:36

Instrument :

MSVOA_N

ClientSampleId :

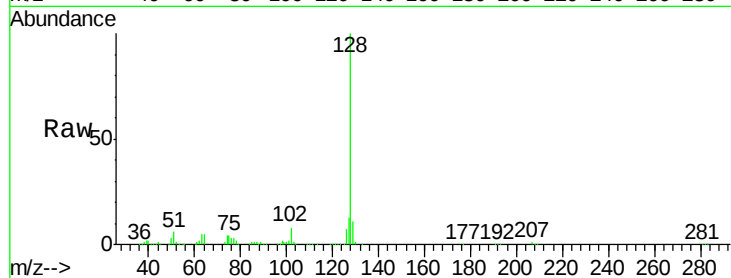
Tot Ion:128 Resp: 643711

Ion Ratio Lower Upper

128 100

127 12.7 10.1 15.1

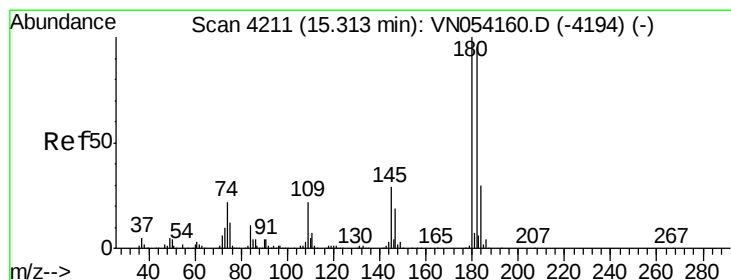
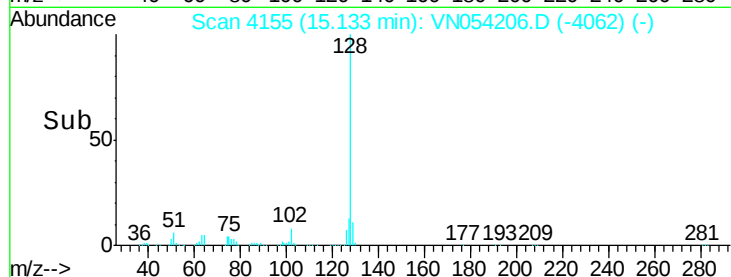
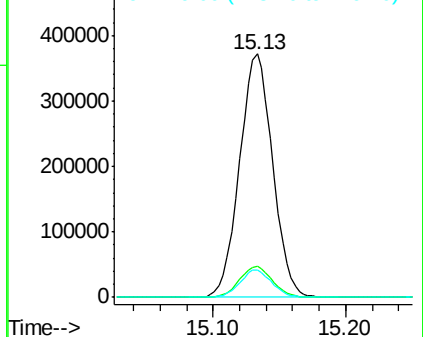
129 10.8 8.7 13.1



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: 20.936 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN054206.D

Acq: 13 Mar 2019 12:36

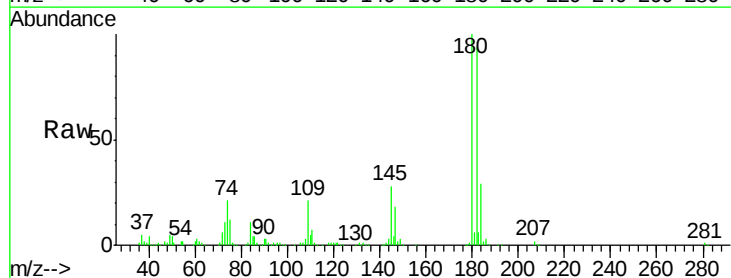
Tgt Ion:180 Resp: 349423

Ion Ratio Lower Upper

180 100

182 94.8 47.5 142.6

145 28.9 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

