

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031319\
 Data File : VN054208.D
 Acq On : 13 Mar 2019 13:29
 Operator : JC/SP
 Sample : VN0313WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 14 05:16:38 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	7.67	168	1372151	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2110387	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1858885	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	897124	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	758542	52.05	ug/l	0.00
Spiked Amount			Recovery	=	104.10%	
35) Dibromofluoromethane	7.59	113	692120	50.85	ug/l	0.00
Spiked Amount			Recovery	=	101.70%	
50) Toluene-d8	10.09	98	2507744	49.89	ug/l	0.00
Spiked Amount			Recovery	=	99.78%	
62) 4-Bromofluorobenzene	12.40	95	863082	49.07	ug/l	0.00
Spiked Amount			Recovery	=	98.14%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	280360	21.559	ug/l	98
3) Chloromethane	2.06	50	249158	19.724	ug/l	100
4) Vinyl Chloride	2.19	62	295653	20.477	ug/l	99
5) Bromomethane	2.58	94	208308	20.831	ug/l	98
6) Chloroethane	2.71	64	172005	19.690	ug/l	100
7) Trichlorofluoromethane	3.02	101	380134	19.803	ug/l	99
8) Diethyl Ether	3.41	74	187991	21.490	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	319107	22.184	ug/l	98
10) Methyl Iodide	3.95	142	350720	18.151	ug/l	100
11) Tert butyl alcohol	4.81	59	96105	96.202	ug/l	100
12) 1,1-Dichloroethene	3.73	96	306010	21.467	ug/l	100
13) Acrolein	3.61	56	78842	83.287	ug/l	100
14) Allyl chloride	4.32	41	371551	20.315	ug/l	99
15) Acrylonitrile	5.00	53	430953	105.019	ug/l	99
16) Acetone	3.82	43	364380	87.331	ug/l	98
17) Carbon Disulfide	4.04	76	675391	18.900	ug/l	99
18) Methyl Acetate	4.33	43	189566	22.457	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	751134	21.258	ug/l	98
20) Methylene Chloride	4.55	84	292342	21.339	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	284515	20.831	ug/l	99
22) Diisopropyl ether	5.96	45	764320	20.938	ug/l	98
23) Vinyl Acetate	5.90	43	2788809	103.619	ug/l	98
24) 1,1-Dichloroethane	5.85	63	494159	21.084	ug/l	99
25) 2-Butanone	6.85	43	495027	101.086	ug/l	100
26) 2,2-Dichloropropane	6.82	77	391930	19.015	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	328939	21.588	ug/l	98
28) Bromochloromethane	7.19	49	201370	21.016	ug/l	97
29) Tetrahydrofuran	7.22	42	325983	103.531	ug/l	99
30) Chloroform	7.37	83	533979	21.833	ug/l	96
31) Cyclohexane	7.65	56	461802	20.347	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	453518	20.532	ug/l	99
36) 1,1-Dichloropropene	7.79	75	390401	20.088	ug/l	99
37) Ethyl Acetate	6.94	43	226330	20.268	ug/l	99
38) Carbon Tetrachloride	7.77	117	387464	19.011	ug/l	99

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 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)
39) Methylcyclohexane	9.08	83	486356	20.339	ug/l	99
40) Benzene	8.04	78	1164228	20.934	ug/l	99
41) Methacrylonitrile	7.18	41	122127	19.154	ug/l #	89
42) 1,2-Dichloroethane	8.12	62	389687	20.754	ug/l	99
43) Isopropyl Acetate	8.17	43	384294	19.606	ug/l	99
44) Trichloroethene	8.83	130	354632	20.527	ug/l	100
45) 1,2-Dichloropropane	9.12	63	283935	20.561	ug/l	100
46) Dibromomethane	9.21	93	192603	20.642	ug/l	99
47) Bromodichloromethane	9.40	83	379191	20.272	ug/l	97
48) Methyl methacrylate	9.20	41	195823	19.686	ug/l	94
49) 1,4-Dioxane	9.20	88	56019	398.135	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	1061684	102.350	ug/l	100
52) Toluene	10.16	92	727551	20.632	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	363725	18.312	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	431242	19.784	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	265829	20.645	ug/l	99
56) Ethyl methacrylate	10.43	69	309259	20.143	ug/l	99
57) 1,3-Dichloropropane	10.71	76	438582	20.831	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	613134	102.683	ug/l	98
59) 2-Hexanone	10.75	43	672503	97.433	ug/l	99
60) Dibromochloromethane	10.90	129	280657	19.365	ug/l	99
61) 1,2-Dibromoethane	11.00	107	270698	20.688	ug/l	98
64) Tetrachloroethene	10.63	164	363630	20.232	ug/l	100
65) Chlorobenzene	11.43	112	840208	20.585	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	299778	20.218	ug/l	99
67) Ethyl Benzene	11.51	91	1376383	20.343	ug/l	99
68) m/p-Xylenes	11.62	106	1080600	40.863	ug/l	99
69) o-Xylene	11.95	106	528652	20.507	ug/l	100
70) Styrene	11.96	104	827176	20.459	ug/l	100
71) Bromoform	12.13	173	181071	17.618	ug/l #	98
73) Isopropylbenzene	12.25	105	1430637	19.932	ug/l	99
74) N-amyl acetate	12.07	43	305542	19.178	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	300771	19.668	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	360939	27.359	ug/l #	100
77) Bromobenzene	12.53	156	377444	19.873	ug/l	98
78) n-propylbenzene	12.59	91	1542885	19.811	ug/l	100
79) 2-Chlorotoluene	12.67	91	925139	19.756	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1174099	19.666	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	59213	15.343	ug/l	88
82) 4-Chlorotoluene	12.77	91	922494	19.729	ug/l	100
83) tert-Butylbenzene	12.99	119	1088260	19.804	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1174447	20.052	ug/l	99
85) sec-Butylbenzene	13.17	105	1412931	19.826	ug/l	100
86) p-Isopropyltoluene	13.29	119	1243665	19.892	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	644361	20.134	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	633623	20.154	ug/l	99
89) n-Butylbenzene	13.62	91	949296	19.983	ug/l	100
90) Hexachloroethane	13.88	117	179120	17.302	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	633520	20.249	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	43677	18.457	ug/l	98

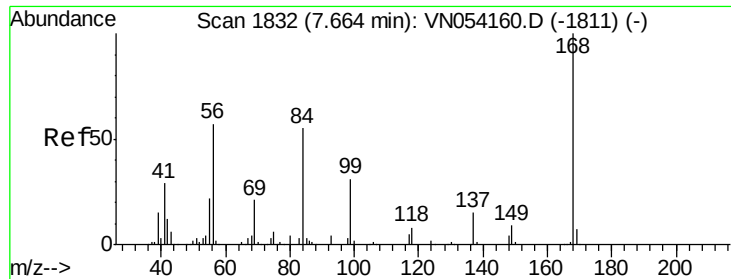
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	334730	19.346	ug/l	99
94) Hexachlorobutadiene	15.01	225	240206	20.157	ug/l	100
95) Naphthalene	15.13	128	658406	19.041	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	339804	20.442	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN054208.D

Acq: 13 Mar 2019 13:29

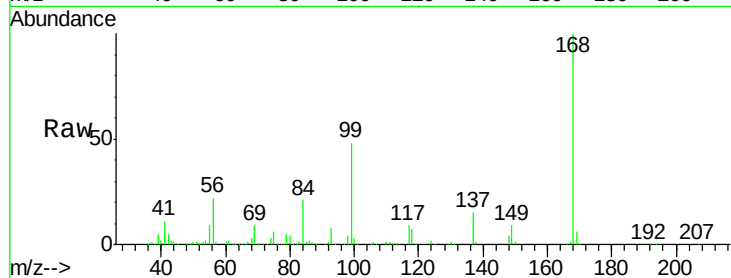
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:168 Resp: 1372151

Ion Ratio Lower Upper

168 100

99 47.1 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNC

7.67

600000

500000

400000

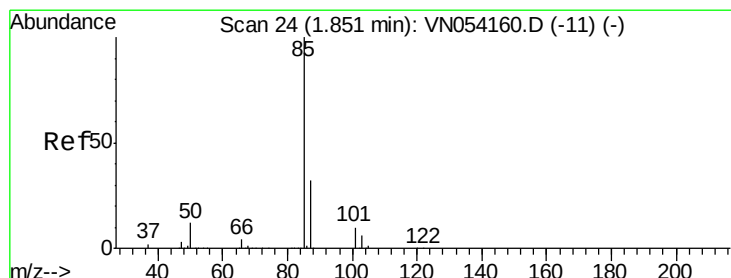
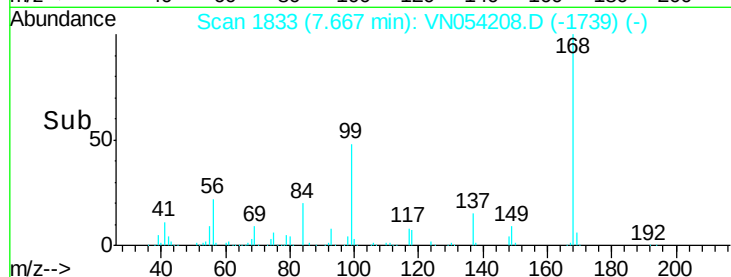
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 21.559 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN054208.D

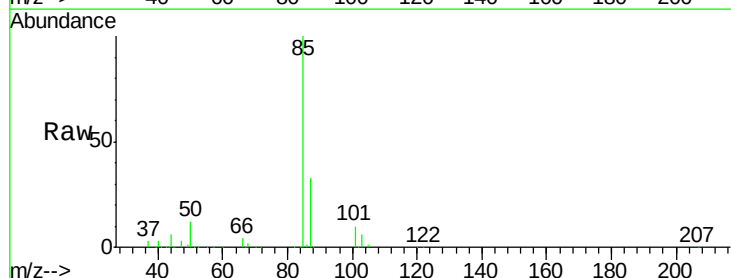
Acq: 13 Mar 2019 13:29

Tgt Ion: 85 Resp: 280360

Ion Ratio Lower Upper

85 100

87 33.0 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNC

Ion 86.90 (86.60 to 87.60): VNC

1.85

200000

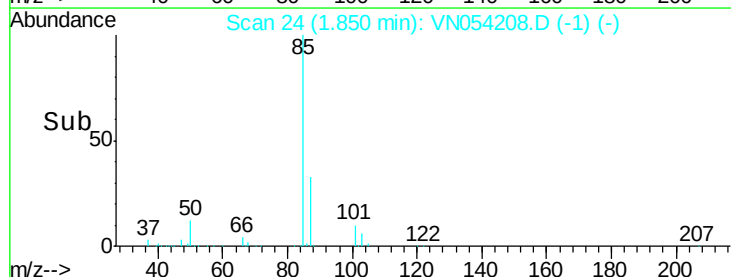
150000

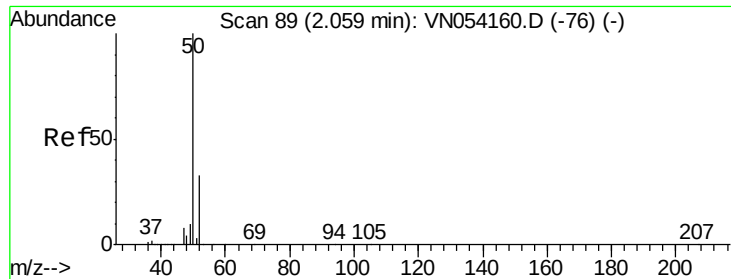
100000

50000

0

Time-->





#3

Chloromethane

Concen: 19.724 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN054208.D

Acq: 13 Mar 2019 13:29

Instrument :

MSVOA_N

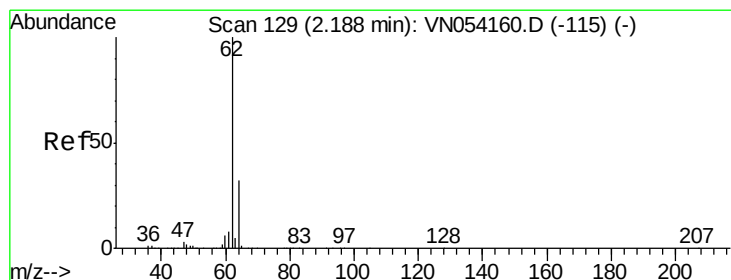
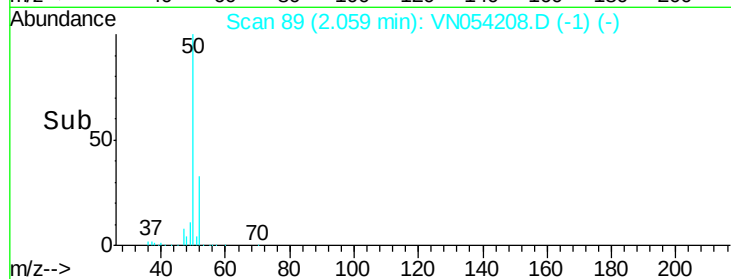
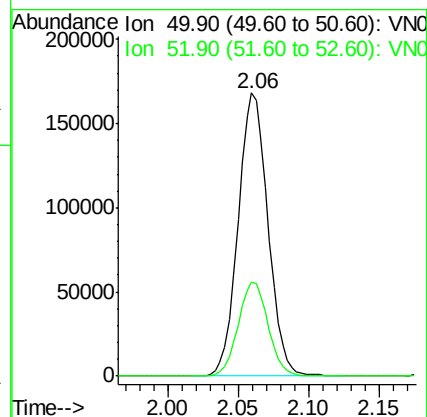
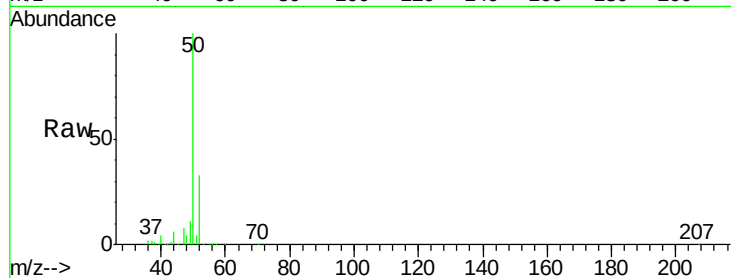
ClientSampleId :

Tot Ion: 50 Resp: 249158

Ion Ratio Lower Upper

50 100

52 33.2 26.4 39.6



#4

Vinyl Chloride

Concen: 20.477 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN054208.D

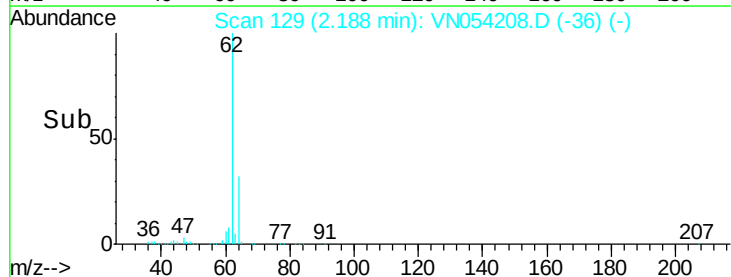
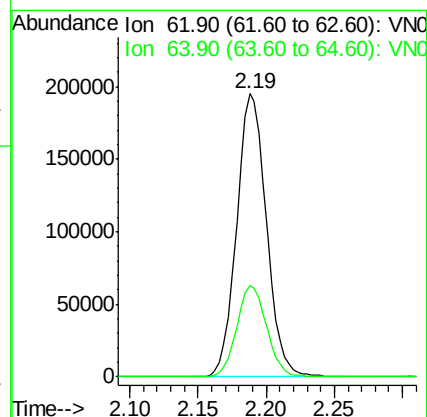
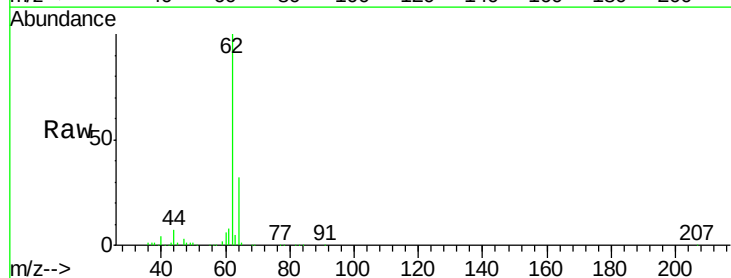
Acq: 13 Mar 2019 13:29

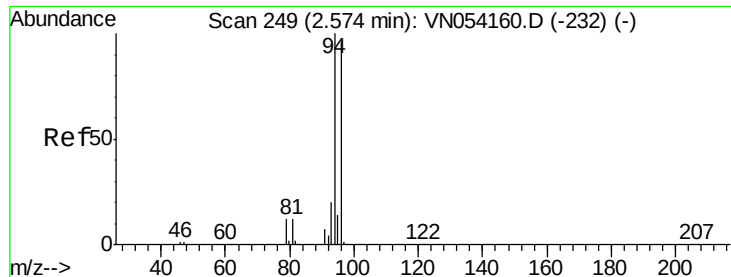
Tgt Ion: 62 Resp: 295653

Ion Ratio Lower Upper

62 100

64 32.2 25.5 38.3





#5

Bromomethane

Concen: 20.831 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN054208.D

Acq: 13 Mar 2019 13:29

Instrument :

MSVOA_N

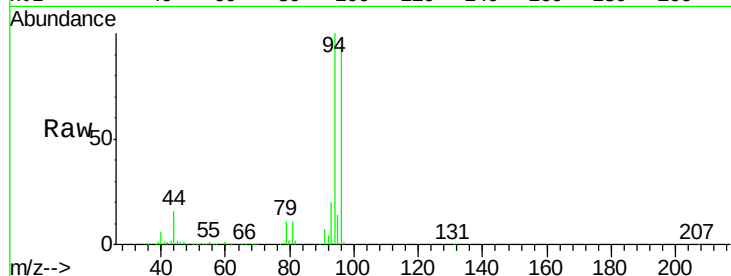
ClientSampleId :

Tot Ion: 94 Resp: 208308

Ion Ratio Lower Upper

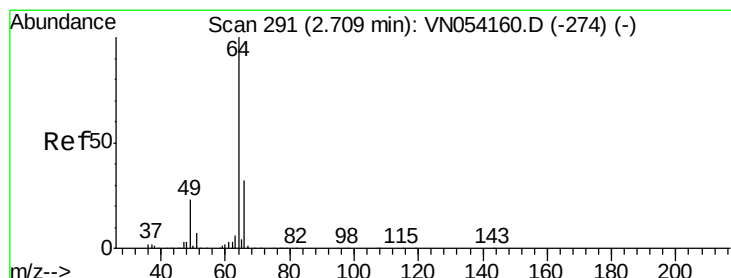
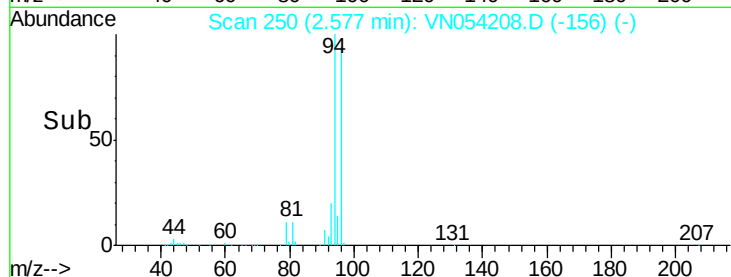
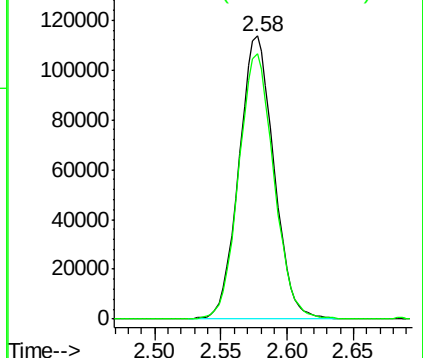
94 100

96 93.8 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: 19.690 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN054208.D

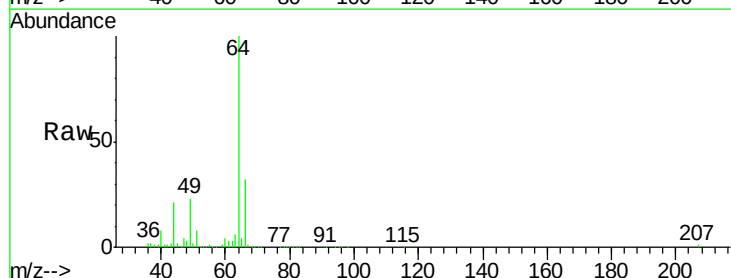
Acq: 13 Mar 2019 13:29

Tgt Ion: 64 Resp: 172005

Ion Ratio Lower Upper

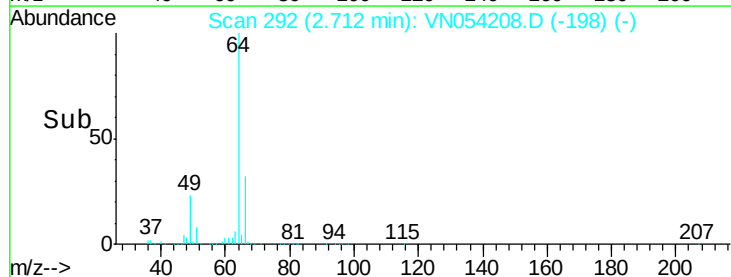
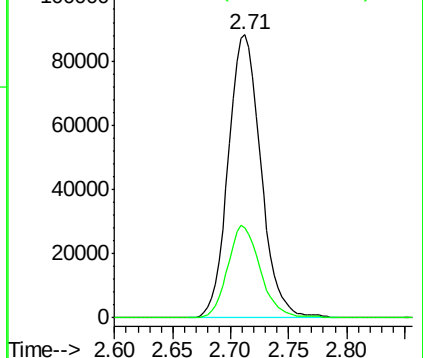
64 100

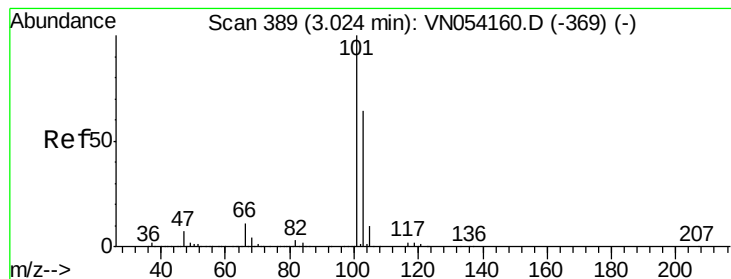
66 31.9 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



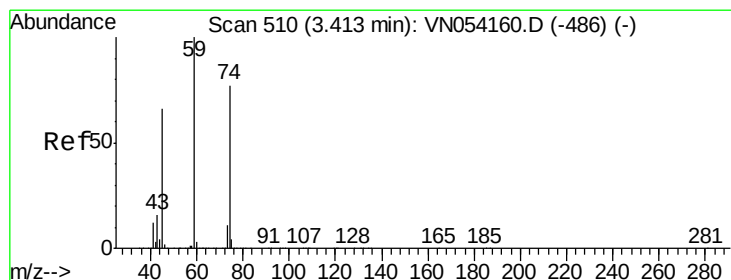
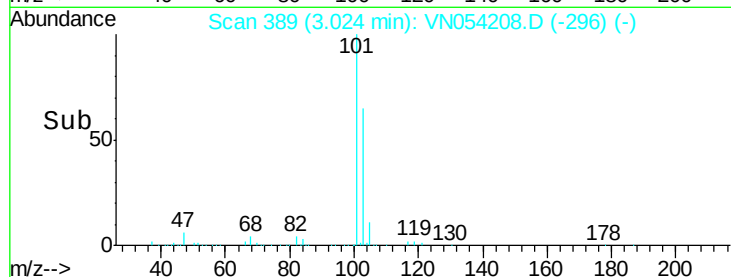
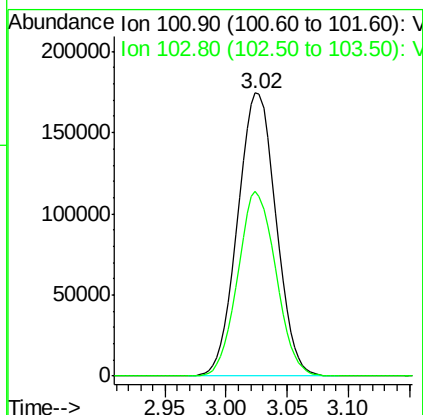
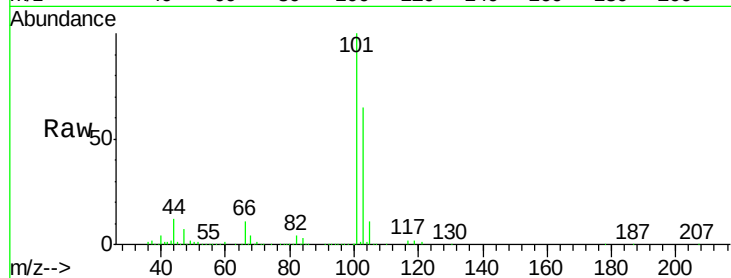


#7

Trichlorofluoromethane
 Concen: 19.803 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. -0.00 min
 Lab File: VN054208.D
 Acq: 13 Mar 2019 13:29

Instrument :
 MSVOA_N
 ClientSampleId :

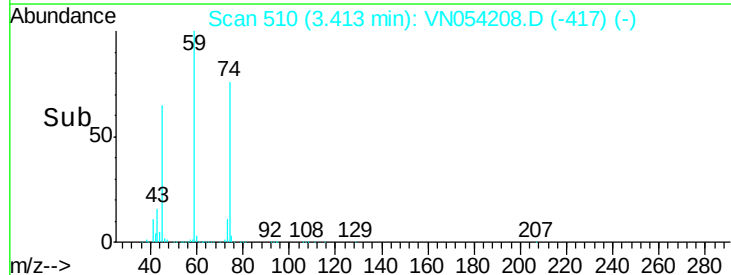
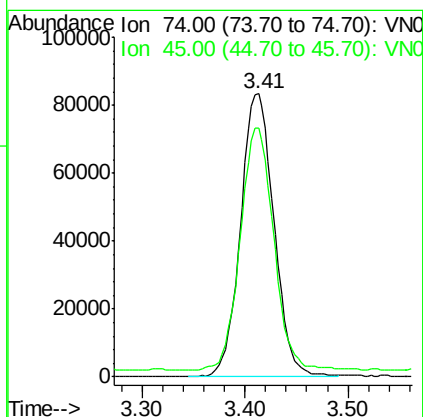
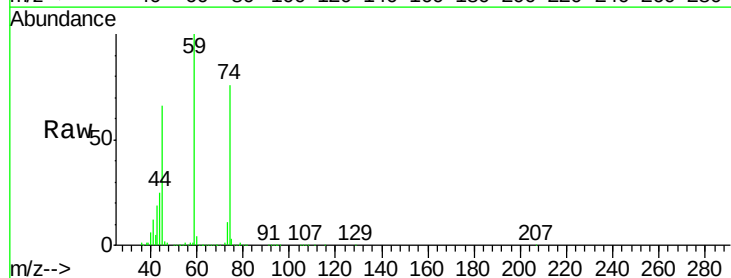
Tot Ion:101 Resp: 380134
 Ion Ratio Lower Upper
 101 100
 103 65.3 51.4 77.2

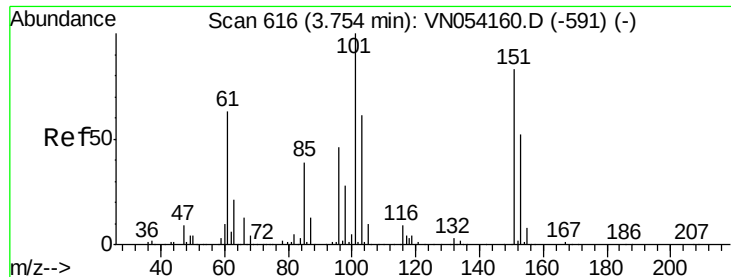


#8

Diethyl Ether
 Concen: 21.490 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VN054208.D
 Acq: 13 Mar 2019 13:29

Tgt Ion: 74 Resp: 187991
 Ion Ratio Lower Upper
 74 100
 45 85.5 43.1 129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.184 ug/l

RT: 3.75 min Scan# 615

Delta R.T. -0.00 min

Lab File: VN054208.D

Acq: 13 Mar 2019 13:29

Instrument :

MSVOA_N

ClientSampleId :

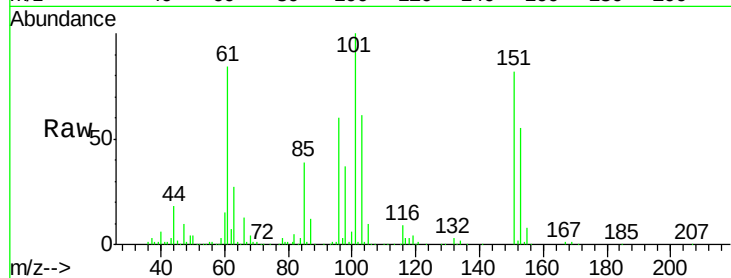
Tot Ion:101 Resp: 319107

Ion Ratio Lower Upper

101 100

85 39.7 32.4 48.6

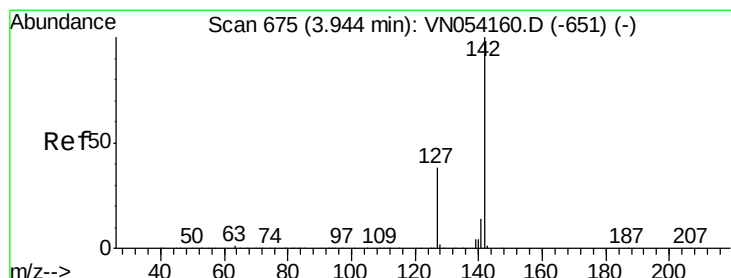
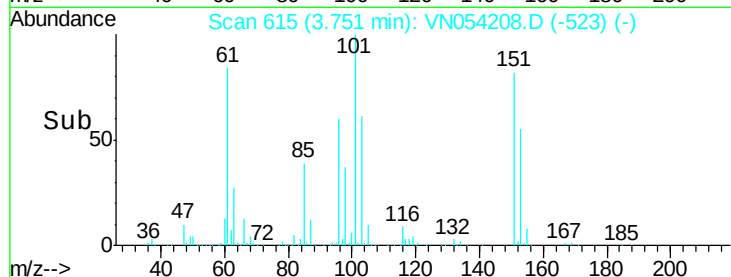
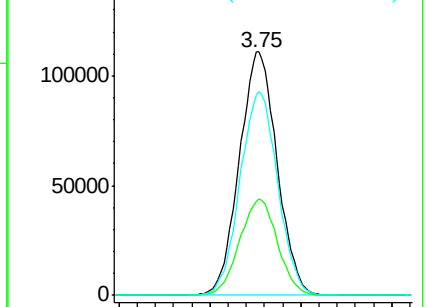
151 83.7 68.2 102.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.151 ug/l

RT: 3.95 min Scan# 676

Delta R.T. 0.00 min

Lab File: VN054208.D

Acq: 13 Mar 2019 13:29

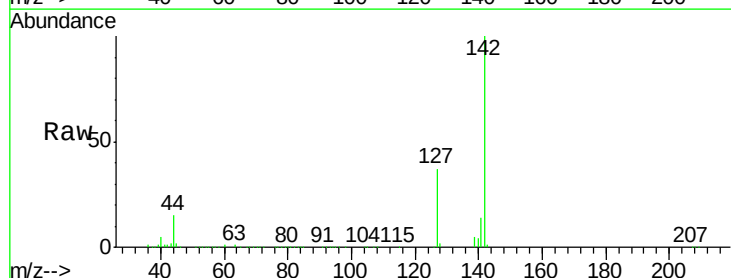
Tgt Ion:142 Resp: 350720

Ion Ratio Lower Upper

142 100

127 37.6 30.3 45.5

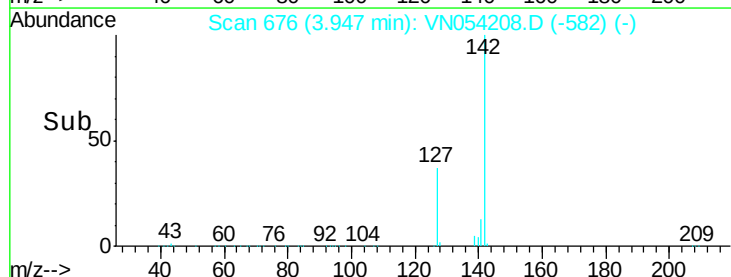
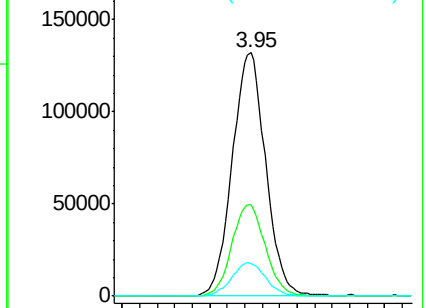
141 14.1 11.2 16.8

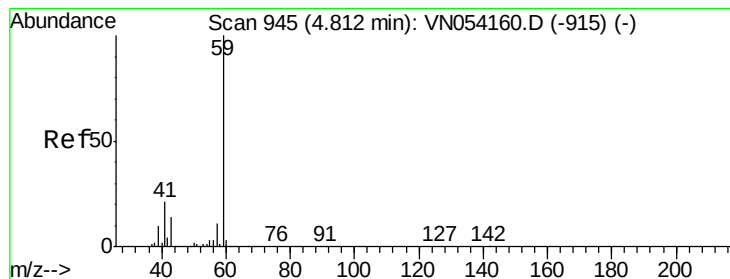


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



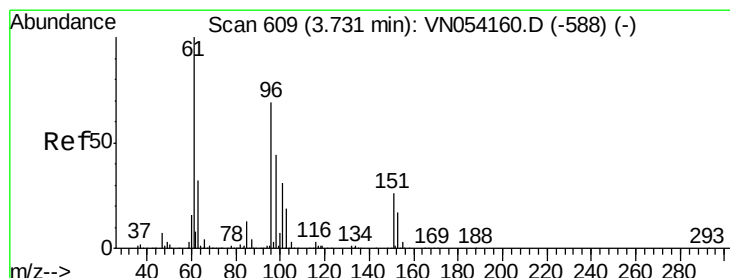
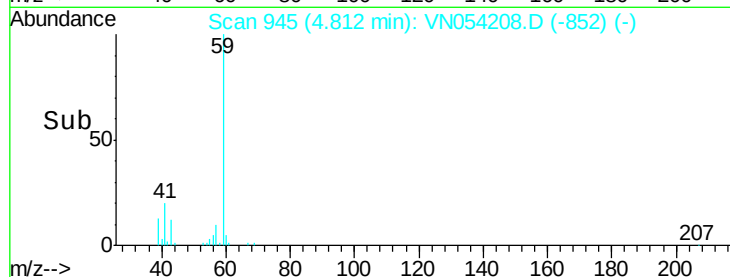
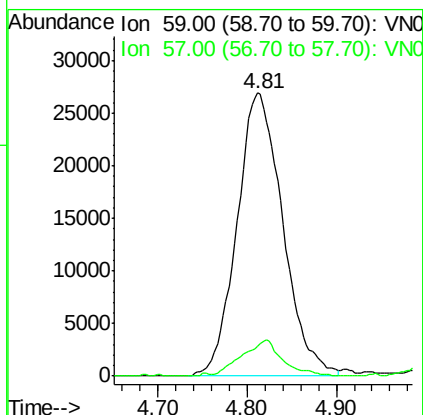
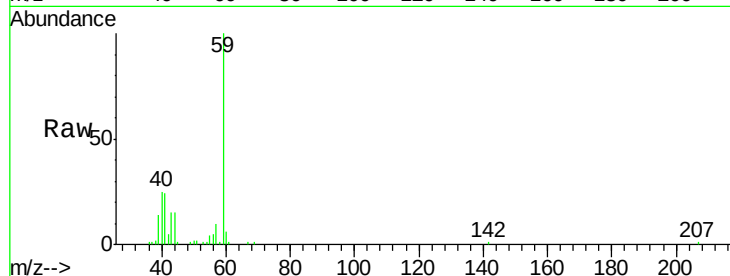


#11

Tert butyl alcohol
 Concen: 96.202 ug/l
 RT: 4.81 min Scan# 945
 Delta R.T. -0.00 min
 Lab File: VN054208.D
 Acq: 13 Mar 2019 13:29

Instrument :
 MSVOA_N
 ClientSampled :

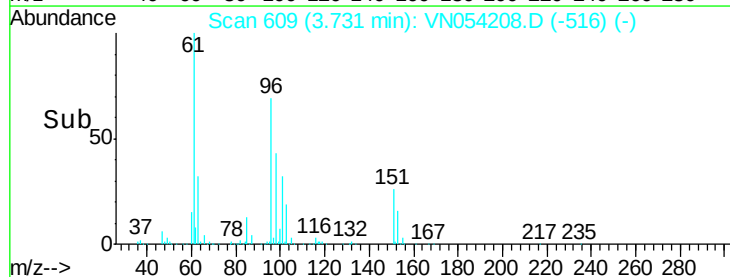
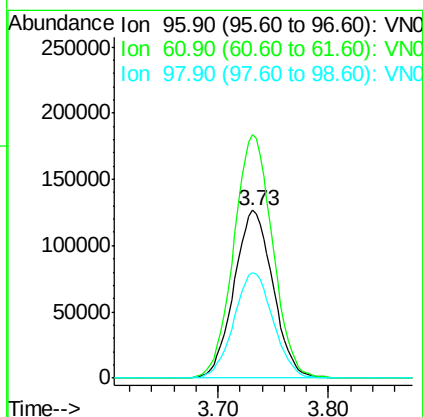
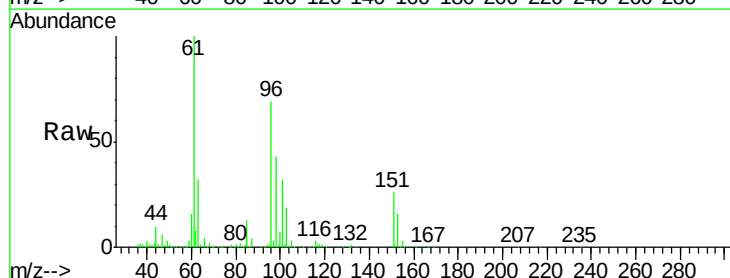
Tot Ion: 59 Resp: 96105
 Ion Ratio Lower Upper
 59 100
 57 11.4 9.0 13.6

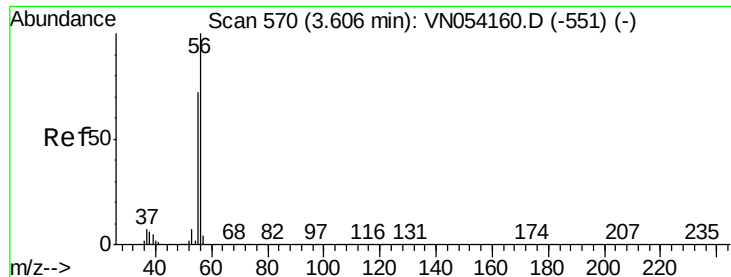


#12

1,1-Dichloroethene
 Concen: 21.467 ug/l
 RT: 3.73 min Scan# 609
 Delta R.T. -0.00 min
 Lab File: VN054208.D
 Acq: 13 Mar 2019 13:29

Tgt Ion: 96 Resp: 306010
 Ion Ratio Lower Upper
 96 100
 61 145.3 116.5 174.7
 98 63.0 51.0 76.4





#13

Acrolein

Concen: 83.287 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN054208.D

Acq: 13 Mar 2019 13:29

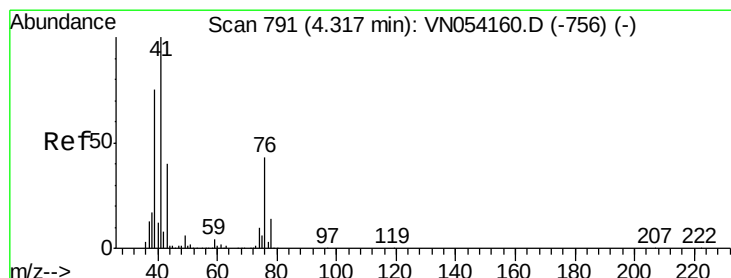
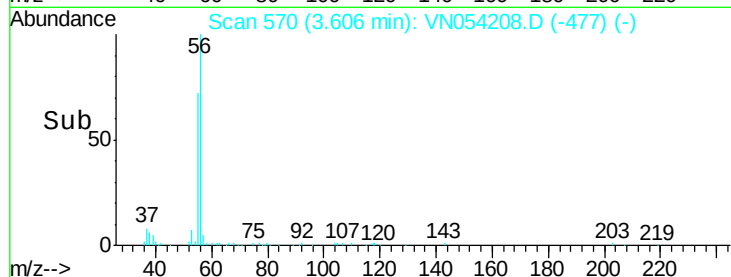
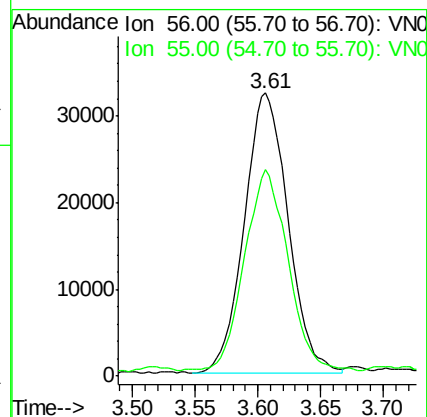
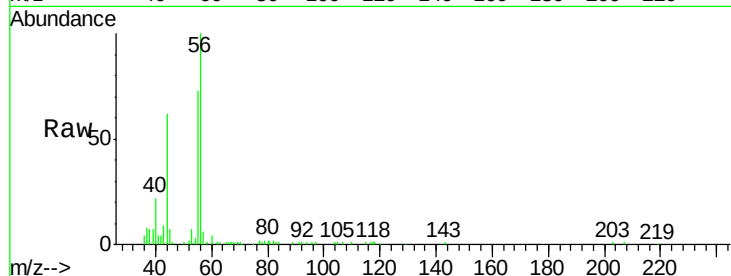
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 78842

Ion Ratio Lower Upper

56 100

55 70.9 56.7 85.1



#14

Allyl chloride

Concen: 20.315 ug/l

RT: 4.32 min Scan# 791

Delta R.T. -0.00 min

Lab File: VN054208.D

Acq: 13 Mar 2019 13:29

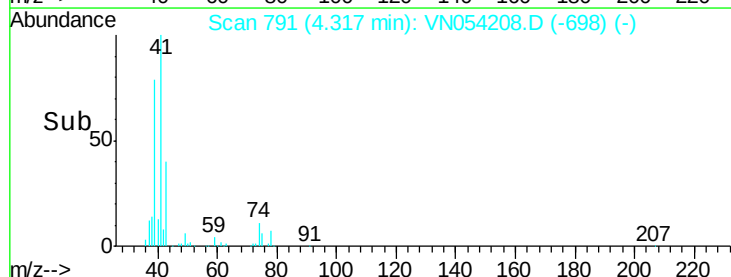
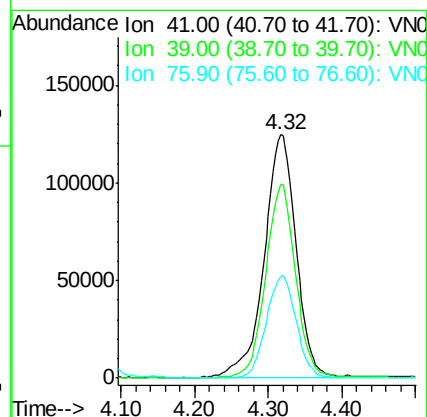
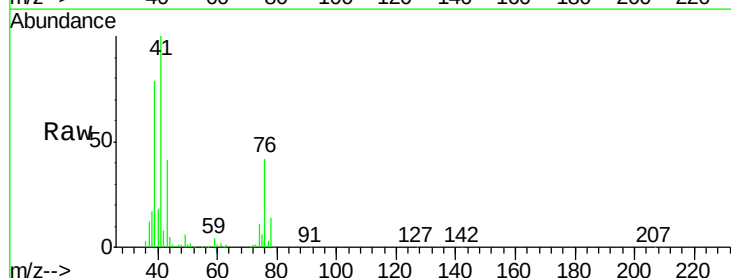
Tgt Ion: 41 Resp: 371551

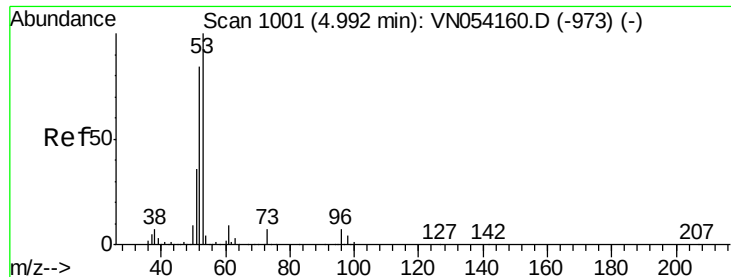
Ion Ratio Lower Upper

41 100

39 74.4 58.2 87.4

76 39.2 31.7 47.5





#15

Acrylonitrile

Concen: 105.019 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. 0.00 min

Lab File: VN054208.D

Acq: 13 Mar 2019 13:29

Instrument :

MSVOA_N

ClientSampled :

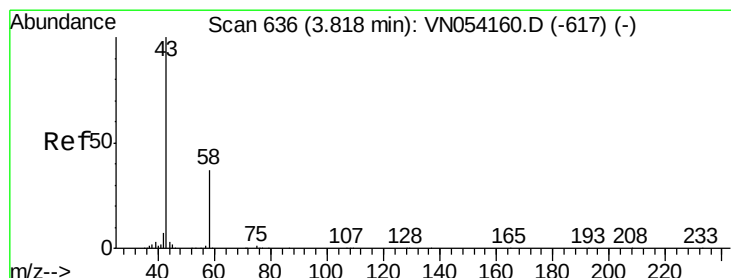
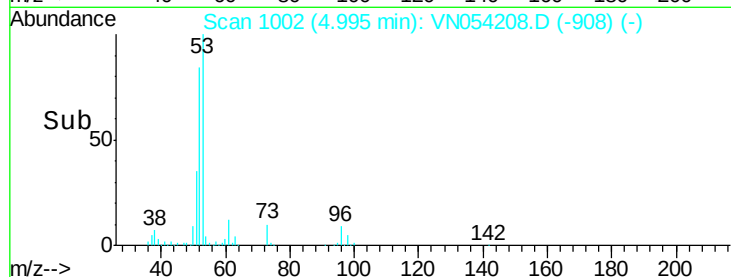
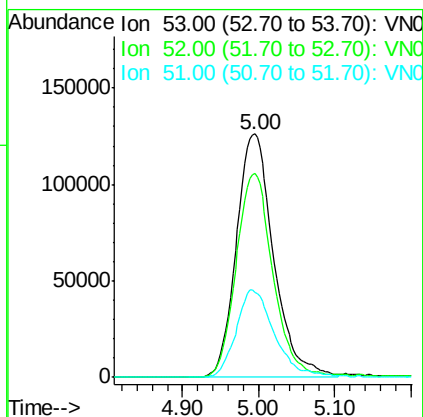
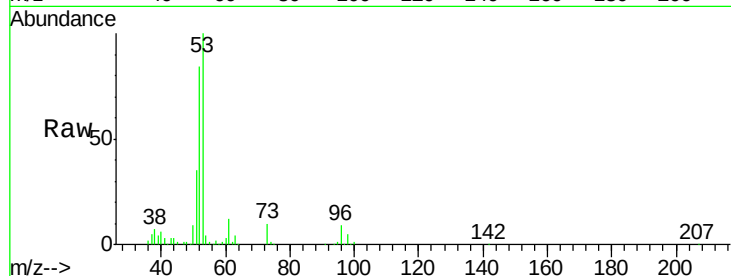
Tot Ion: 53 Resp: 430953

Ion Ratio Lower Upper

53 100

52 82.3 66.4 99.6

51 37.1 29.6 44.4



#16

Acetone

Concen: 87.331 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.00 min

Lab File: VN054208.D

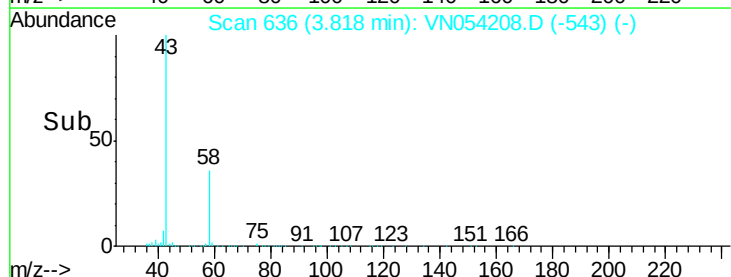
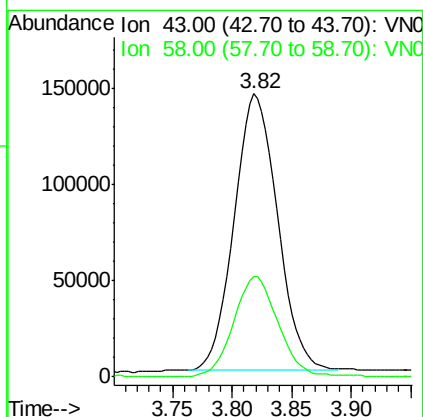
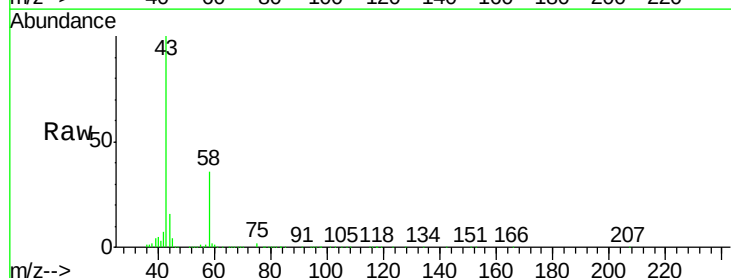
Acq: 13 Mar 2019 13:29

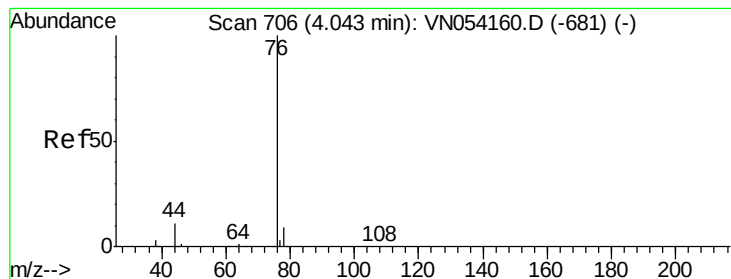
Tgt Ion: 43 Resp: 364380

Ion Ratio Lower Upper

43 100

58 36.2 29.9 44.9





#17

Carbon Disulfide

Concen: 18.900 ug/l

RT: 4.04 min Scan# 706

Delta R.T. -0.00 min

Lab File: VN054208.D

Acq: 13 Mar 2019 13:29

Instrument :

MSVOA_N

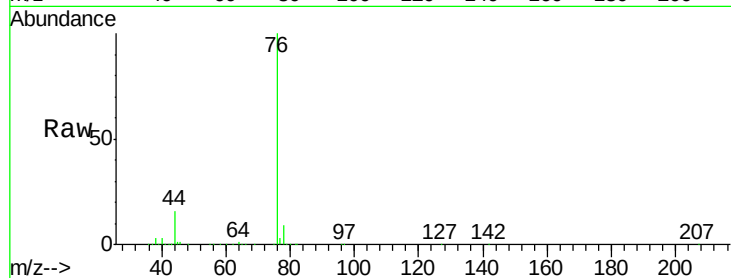
ClientSampleId :

Tot Ion: 76 Resp: 675391

Ion Ratio Lower Upper

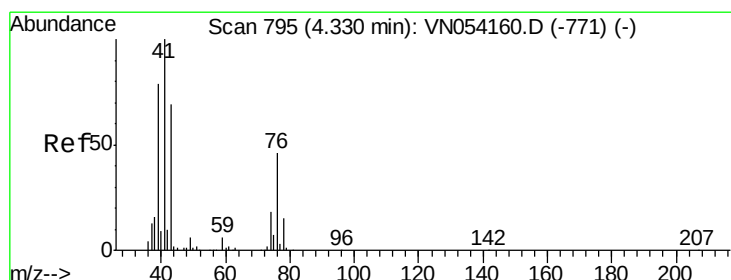
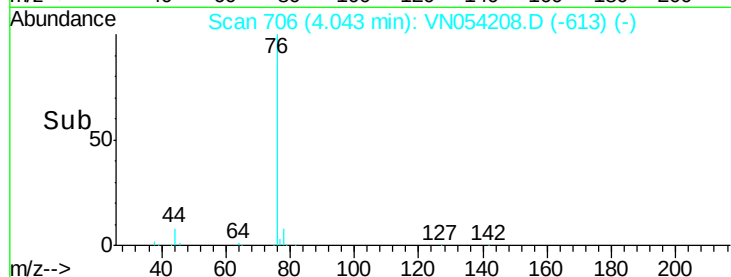
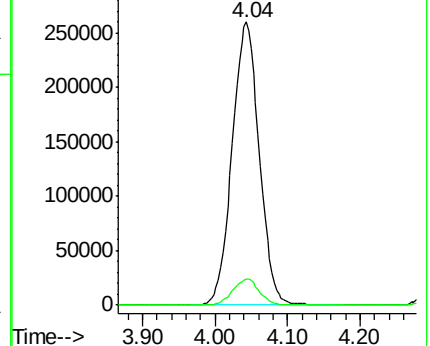
76 100

78 9.0 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VN054208.D (-613) (-)

Ion 77.90 (77.60 to 78.60): VN054208.D (-613) (-)



#18

Methyl Acetate

Concen: 22.457 ug/l

RT: 4.33 min Scan# 795

Delta R.T. -0.00 min

Lab File: VN054208.D

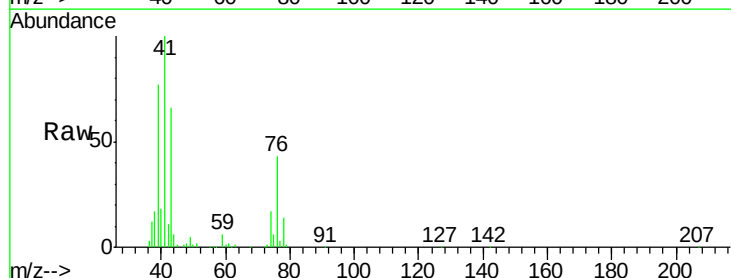
Acq: 13 Mar 2019 13:29

Tgt Ion: 43 Resp: 189566

Ion Ratio Lower Upper

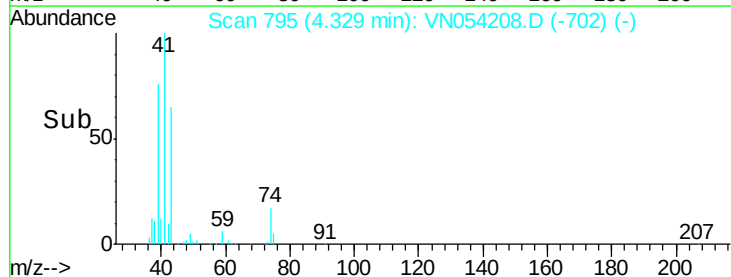
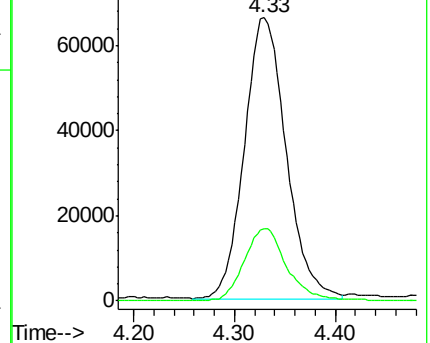
43 100

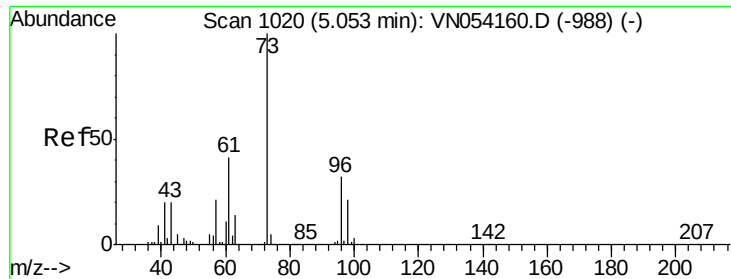
74 26.1 20.8 31.2



Abundance Ion 43.00 (42.70 to 43.70): VN054208.D (-702) (-)

Ion 74.00 (73.70 to 74.70): VN054208.D (-702) (-)

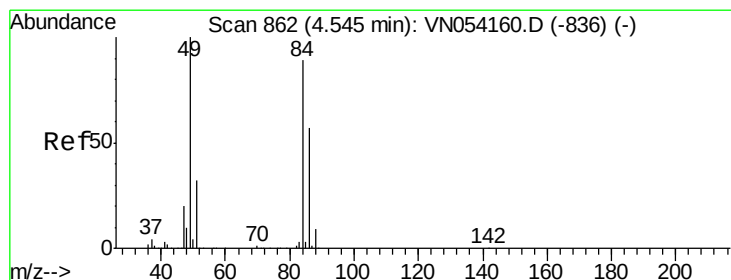
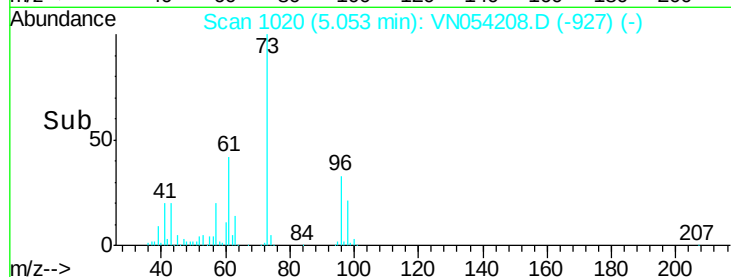
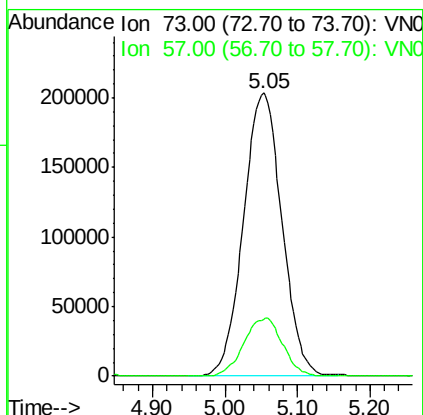
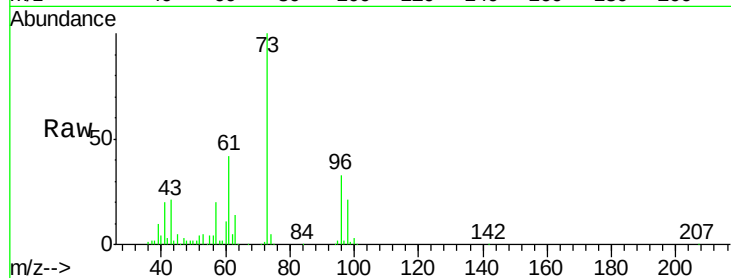




#19
Methyl tert-butyl Ether
Concen: 21.258 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VN054208.D
Acq: 13 Mar 2019 13:29

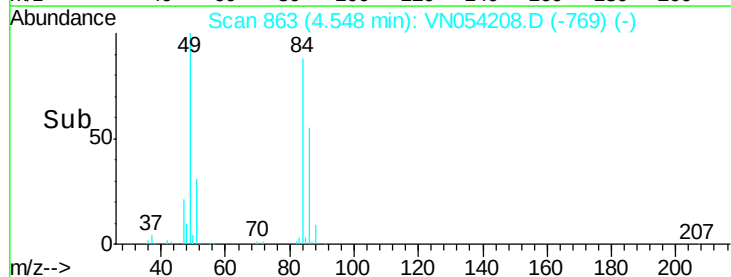
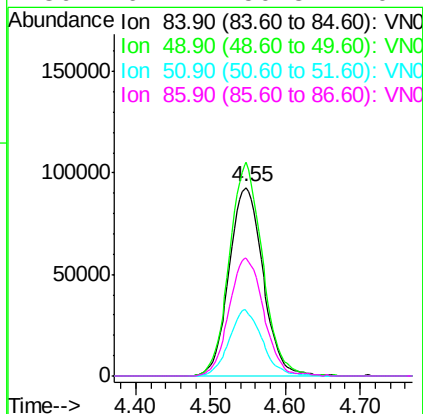
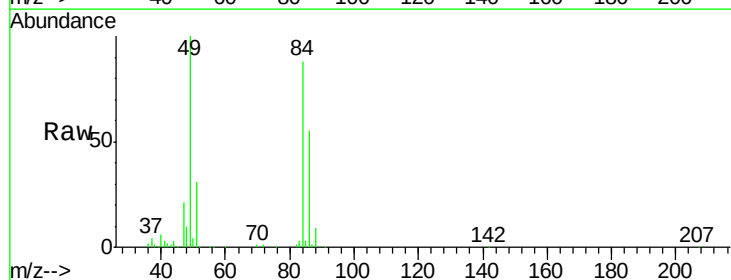
Instrument :
MSVOA_N
ClientSampleId :

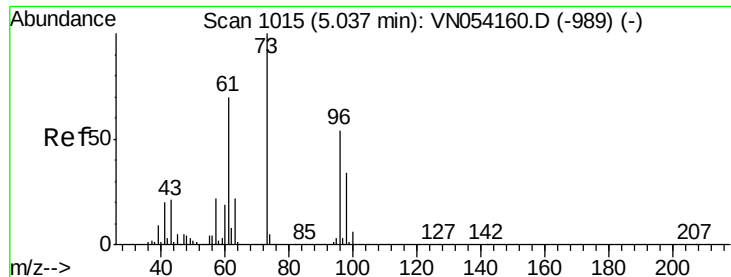
Tot Ion: 73 Resp: 751134
Ion Ratio Lower Upper
73 100
57 19.9 16.8 25.2



#20
Methylene Chloride
Concen: 21.339 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN054208.D
Acq: 13 Mar 2019 13:29

Tgt Ion: 84 Resp: 292342
Ion Ratio Lower Upper
84 100
49 113.4 89.7 134.5
51 34.8 28.2 42.4
86 62.4 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 20.831 ug/l

RT: 5.04 min Scan# 1015

Delta R.T. -0.00 min

Lab File: VN054208.D

Acq: 13 Mar 2019 13:29

Instrument :

MSVOA_N

ClientSampleId :

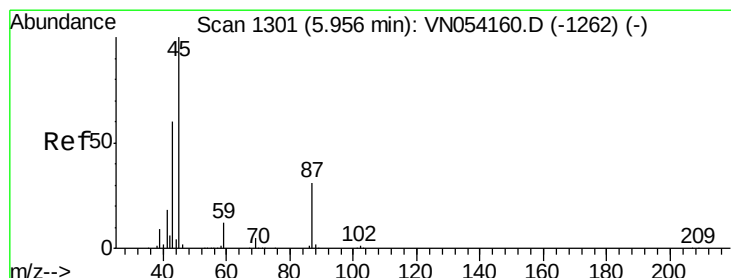
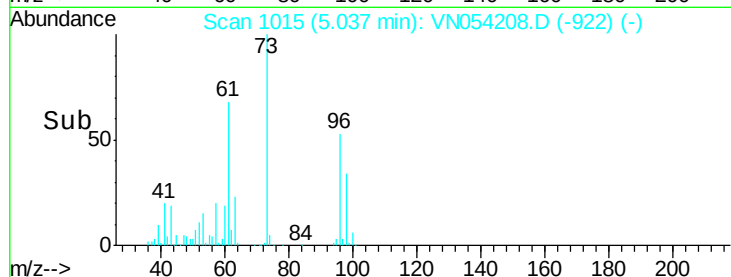
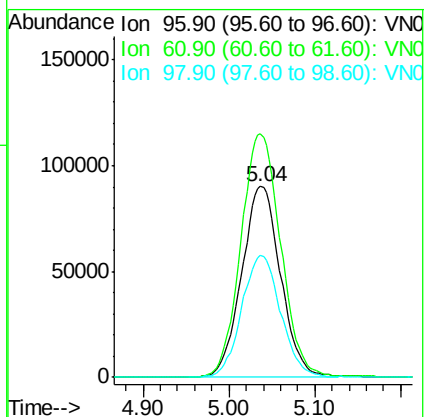
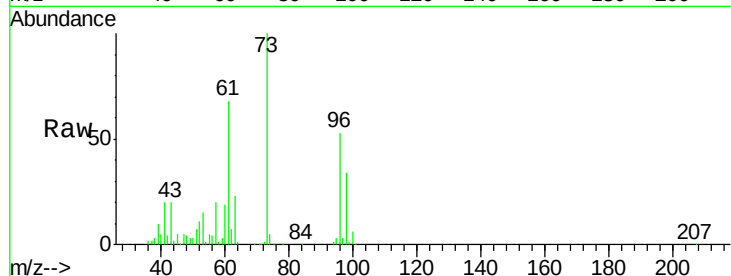
Tot Ion: 96 Resp: 284515

Ion Ratio Lower Upper

96 100

61 127.5 102.8 154.2

98 64.1 50.0 75.0



#22

Diisopropyl ether

Concen: 20.938 ug/l

RT: 5.96 min Scan# 1301

Delta R.T. -0.00 min

Lab File: VN054208.D

Acq: 13 Mar 2019 13:29

Tgt Ion: 45 Resp: 764320

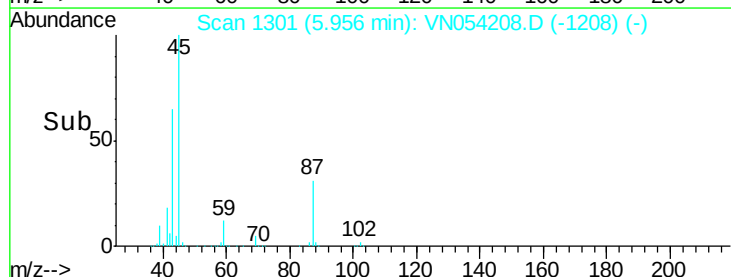
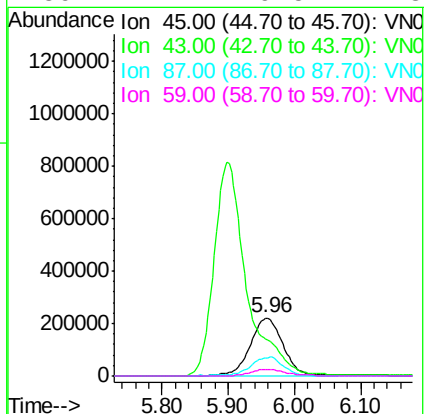
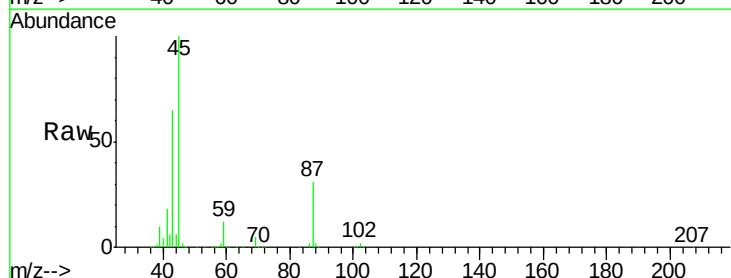
Ion Ratio Lower Upper

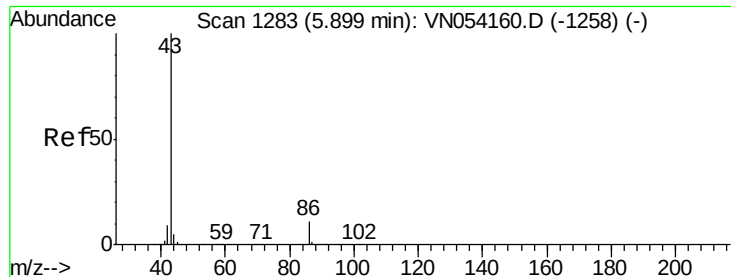
45 100

43 62.7 48.2 72.2

87 31.0 24.9 37.3

59 11.1 9.5 14.3





#23

Vinyl Acetate

Concen: 103.619 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VN054208.D

Acq: 13 Mar 2019 13:29

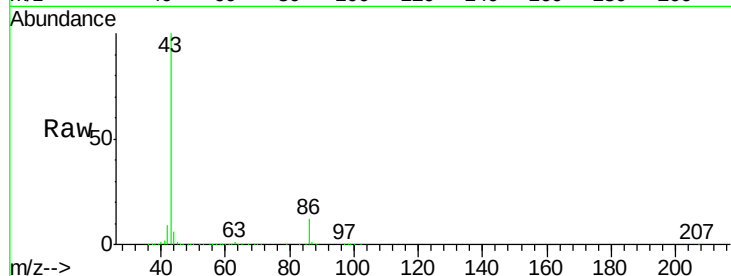
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 2788809

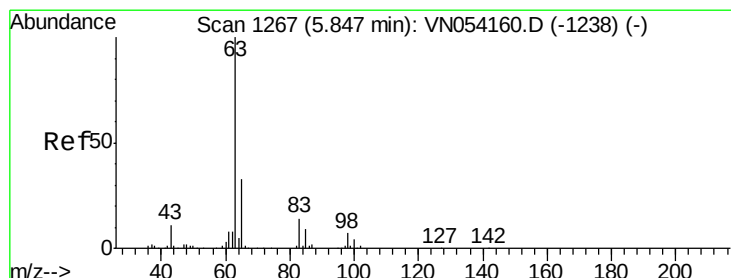
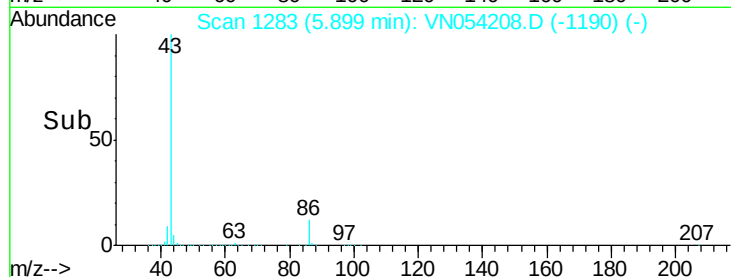
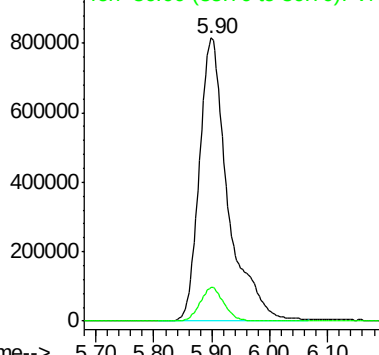
Ion Ratio Lower Upper

43 100

86 12.1 9.1 13.7



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 21.084 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN054208.D

Acq: 13 Mar 2019 13:29

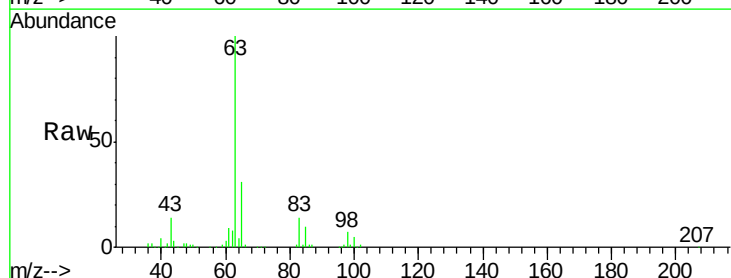
Tgt Ion: 63 Resp: 494159

Ion Ratio Lower Upper

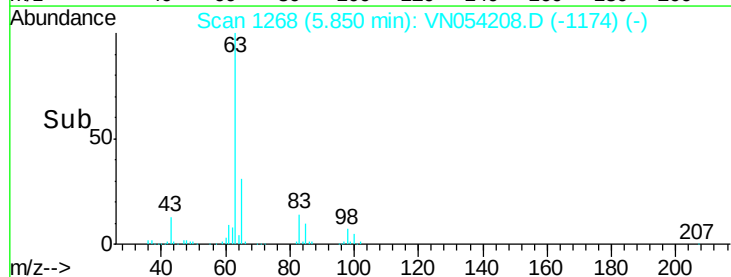
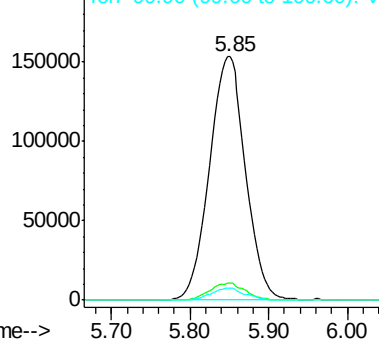
63 100

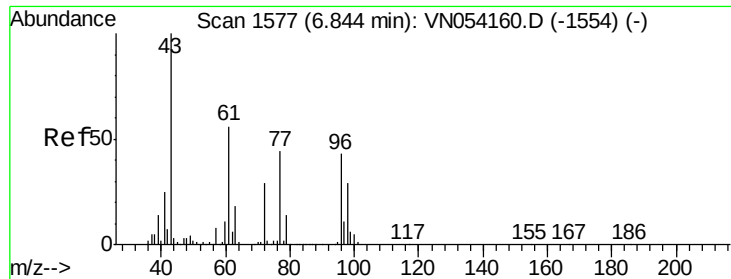
98 7.0 3.5 10.5

100 4.9 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VN0
Ion 97.90 (97.60 to 98.60): VN0
Ion 99.90 (99.60 to 100.60): VN0

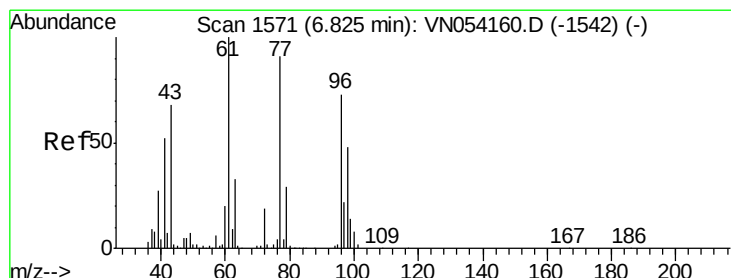
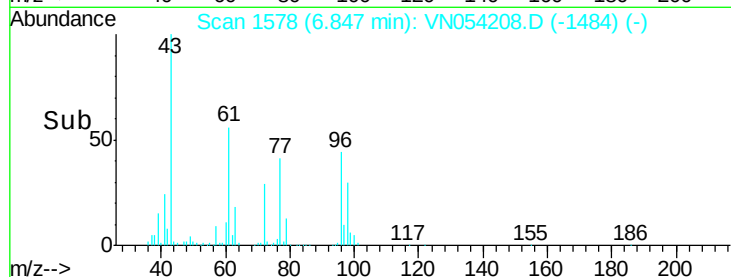
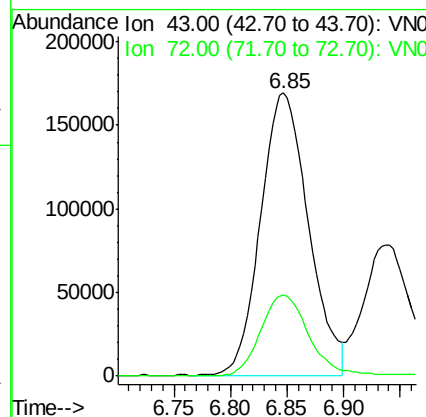
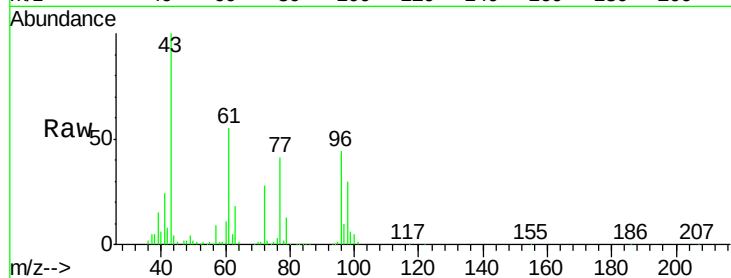




#25
2-Butanone
Concen: 101.086 ug/l
RT: 6.85 min Scan# 1578
Delta R.T. 0.00 min
Lab File: VN054208.D
Acq: 13 Mar 2019 13:29

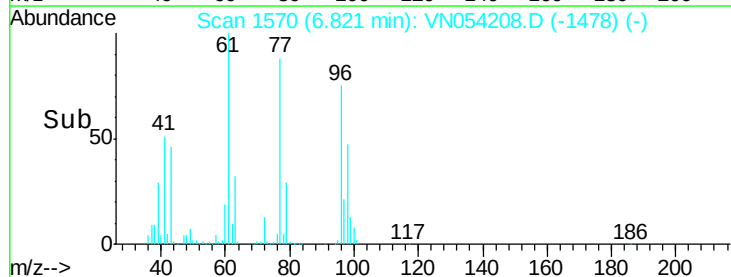
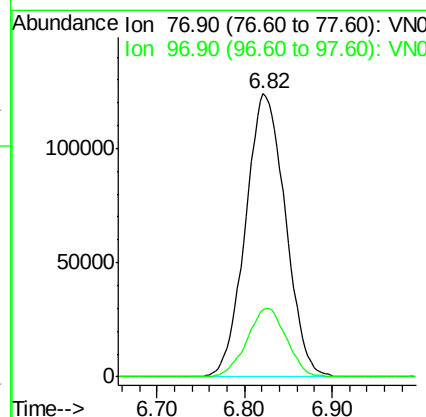
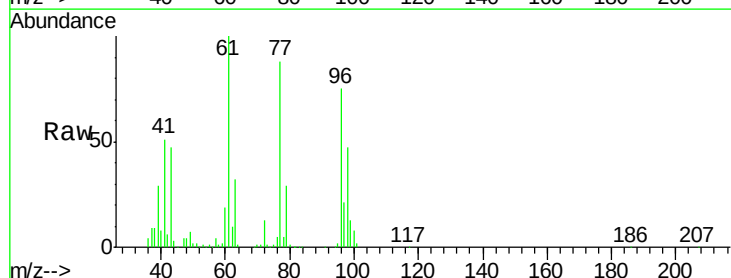
Instrument :
MSVOA_N
ClientSampled :

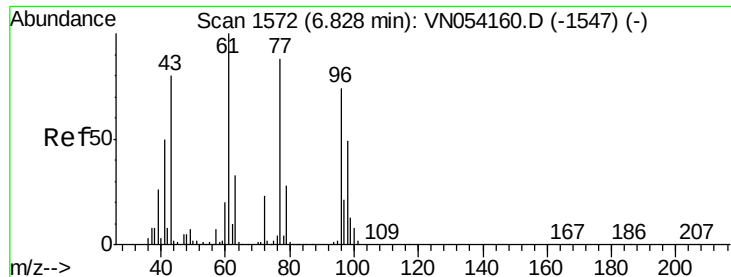
Tot Ion: 43 Resp: 495027
Ion Ratio Lower Upper
43 100
72 28.6 23.0 34.6



#26
2,2-Dichloropropane
Concen: 19.015 ug/l
RT: 6.82 min Scan# 1570
Delta R.T. -0.00 min
Lab File: VN054208.D
Acq: 13 Mar 2019 13:29

Tgt Ion: 77 Resp: 391930
Ion Ratio Lower Upper
77 100
97 24.0 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 21.588 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN054208.D

Acq: 13 Mar 2019 13:29

Instrument :
MSVOA_N
ClientSampleId :

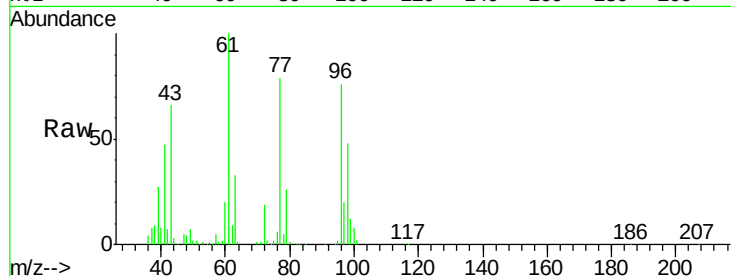
Tot Ion: 96 Resp: 328939

Ion Ratio Lower Upper

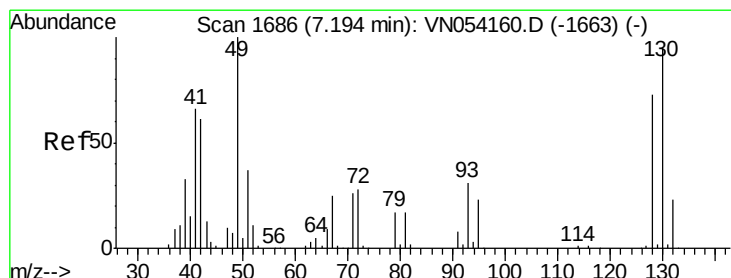
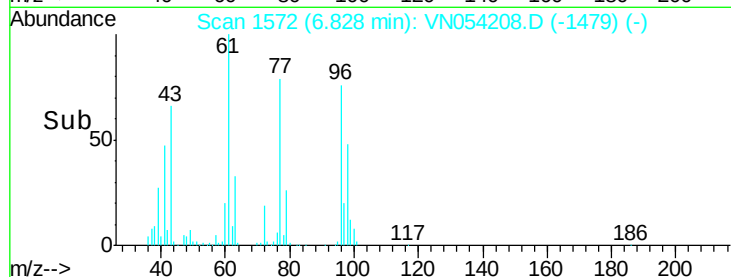
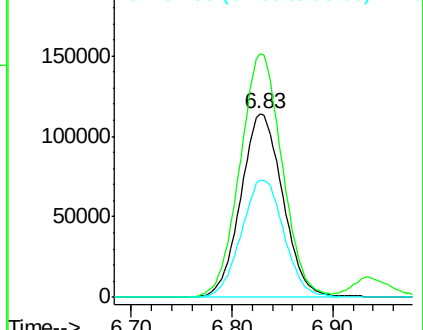
96 100

61 133.6 0.0 273.0

98 64.9 0.0 130.6



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



#28

Bromochloromethane

Concen: 21.016 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN054208.D

Acq: 13 Mar 2019 13:29

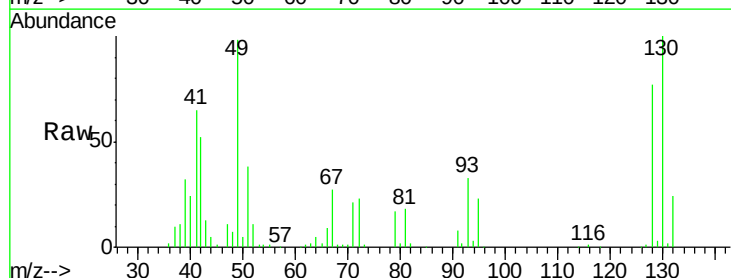
Tgt Ion: 49 Resp: 201370

Ion Ratio Lower Upper

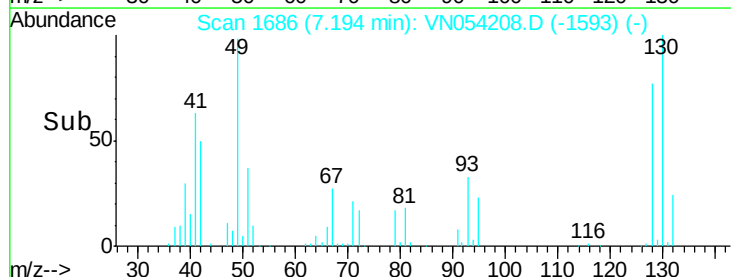
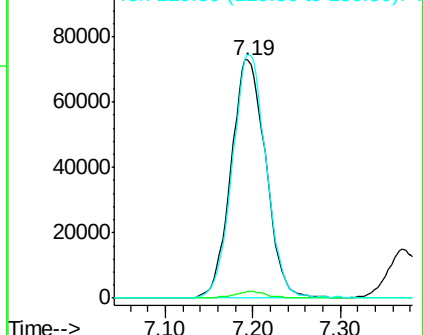
49 100

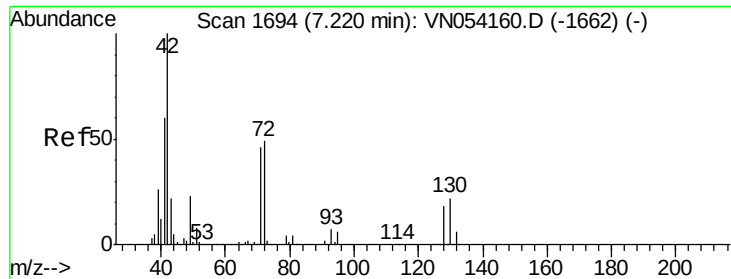
129 2.5 0.0 4.6

130 99.4 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

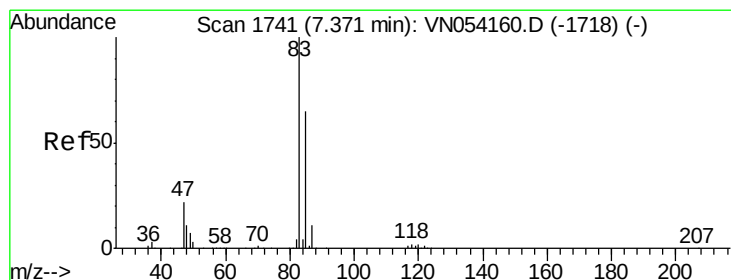
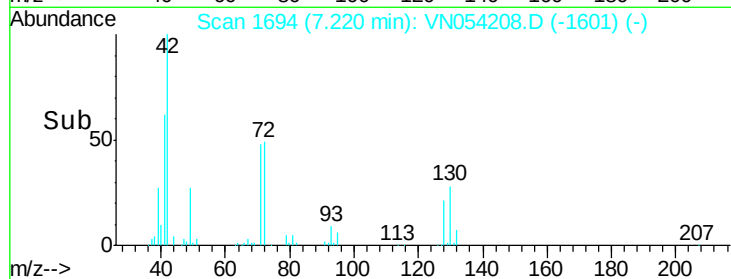
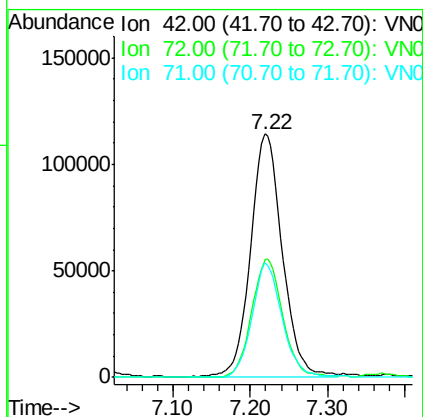
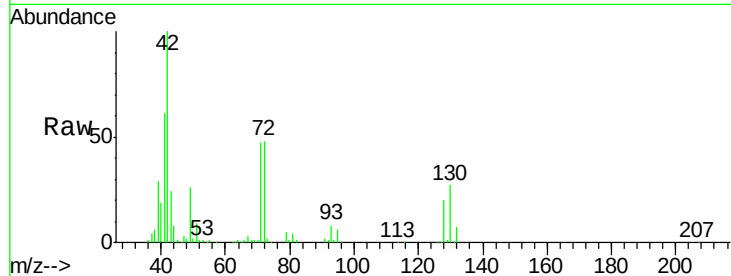




#29
Tetrahydrofuran
Concen: 103.531 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. -0.00 min
Lab File: VN054208.D
Acq: 13 Mar 2019 13:29

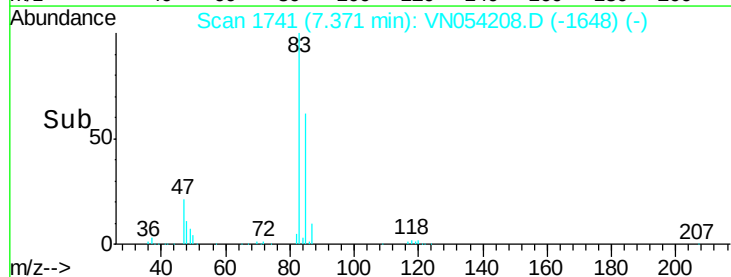
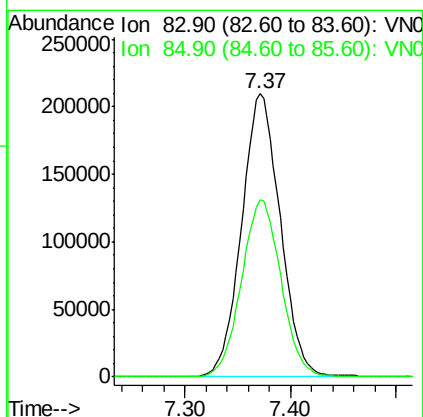
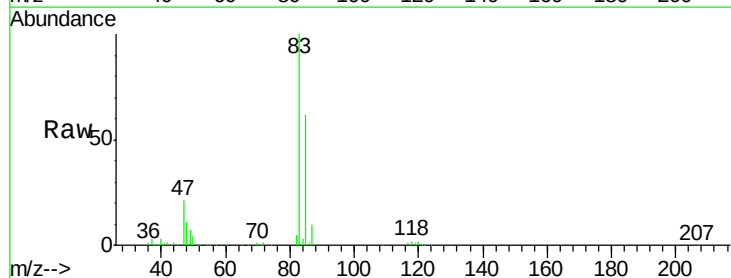
Instrument :
MSVOA_N
ClientSampled :

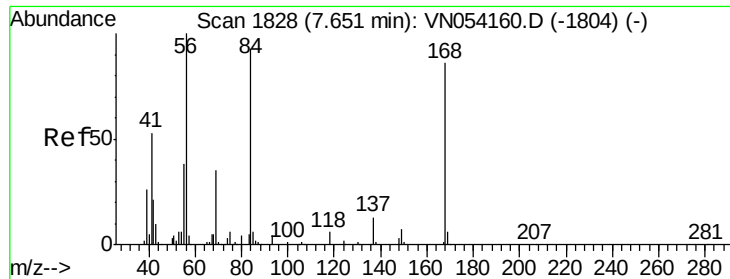
Tot Ion: 42 Resp: 325983
Ion Ratio Lower Upper
42 100
72 47.8 37.8 56.6
71 44.7 36.2 54.2



#30
Chloroform
Concen: 21.833 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN054208.D
Acq: 13 Mar 2019 13:29

Tgt Ion: 83 Resp: 533979
Ion Ratio Lower Upper
83 100
85 62.4 52.2 78.4

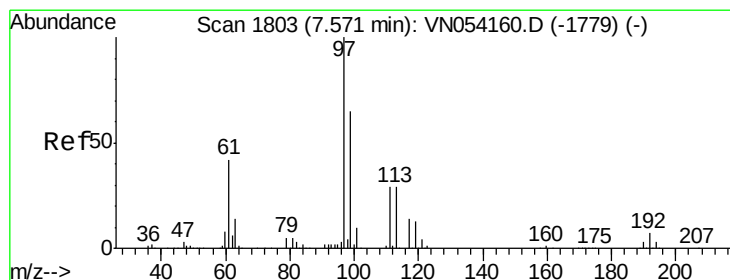
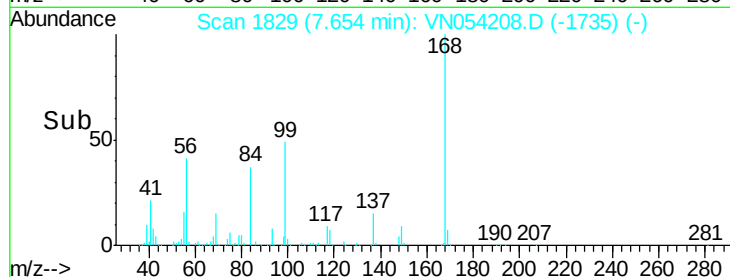
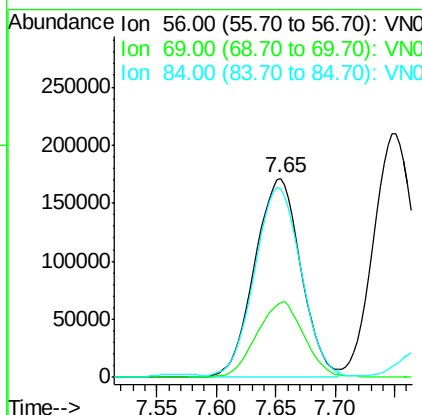
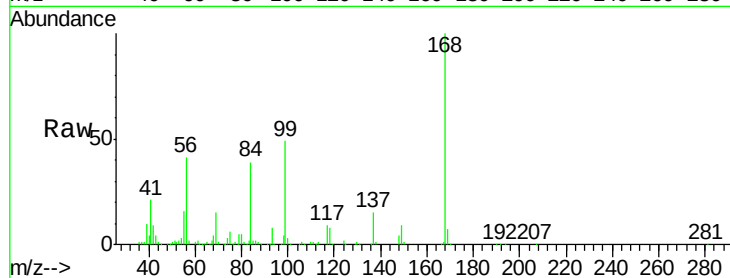




#31
Cyclohexane
Concen: 20.347 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN054208.D
Acq: 13 Mar 2019 13:29

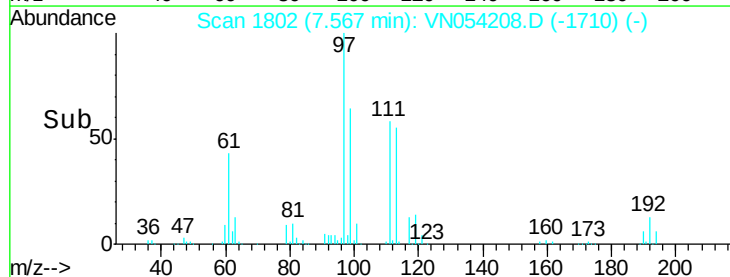
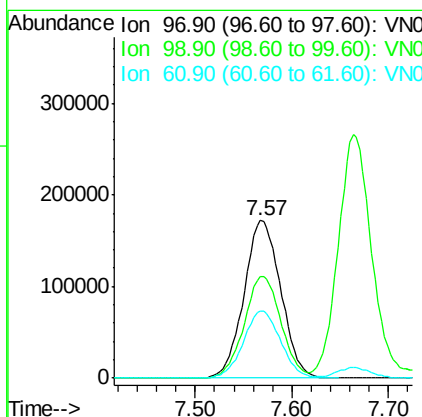
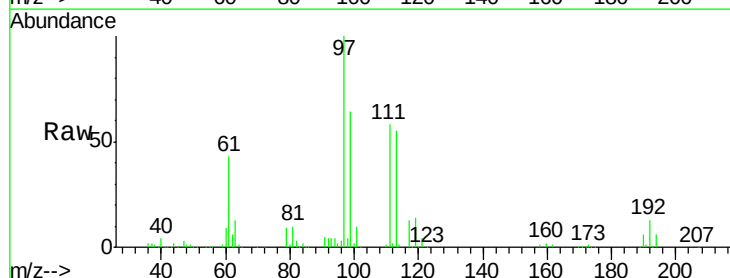
Instrument :
MSVOA_N
ClientSampled :

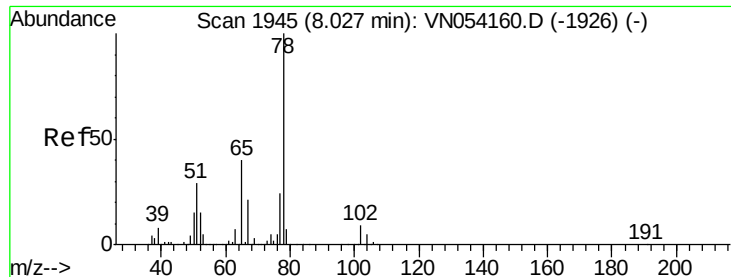
Tot Ion: 56 Resp: 461802
Ion Ratio Lower Upper
56 100
69 37.8 27.8 41.6
84 92.9 74.6 111.8



#32
1,1,1-Trichloroethane
Concen: 20.532 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. -0.00 min
Lab File: VN054208.D
Acq: 13 Mar 2019 13:29

Tgt Ion: 97 Resp: 453518
Ion Ratio Lower Upper
97 100
99 64.6 51.5 77.3
61 43.0 33.6 50.4

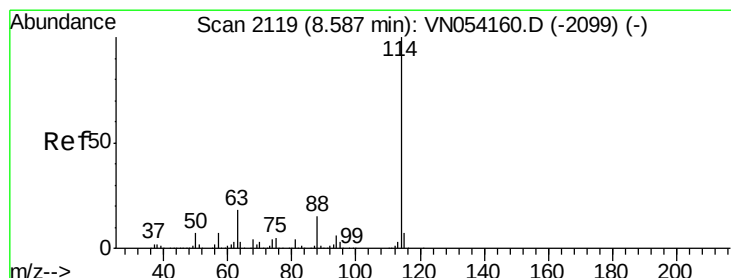
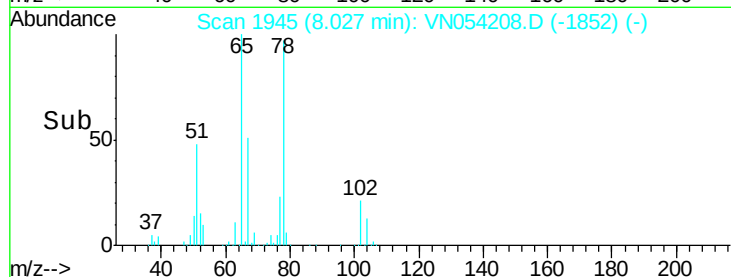
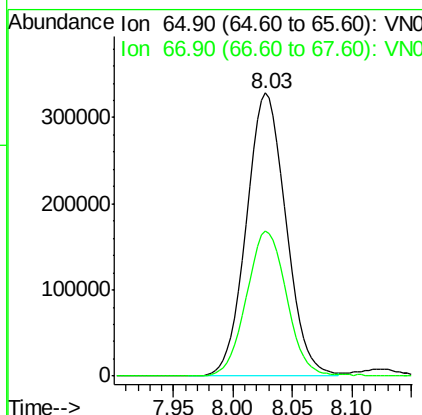
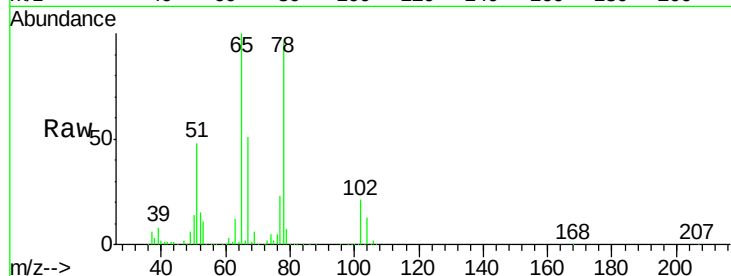




#33
 1,2-Dichloroethane-d4
 Concen: 52.054 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN054208.D
 Acq: 13 Mar 2019 13:29

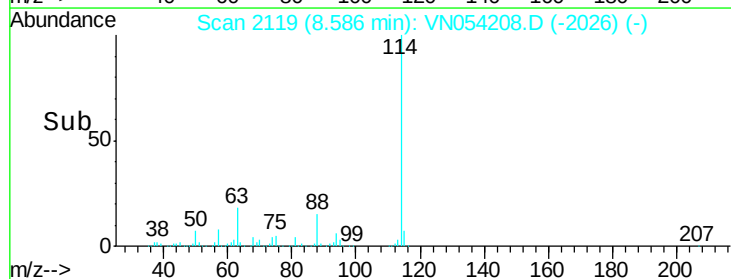
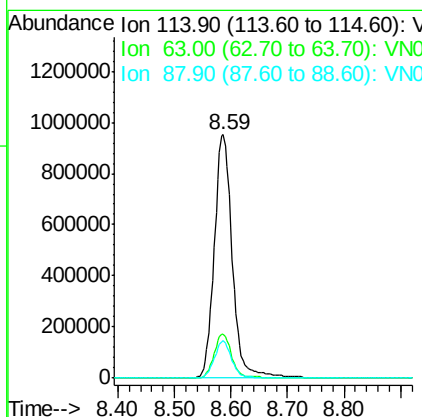
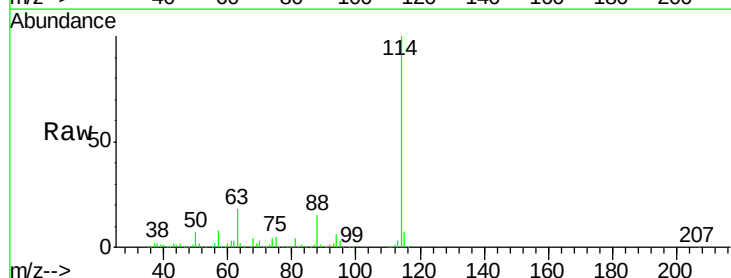
Instrument :
 MSVOA_N
 ClientSampleId :

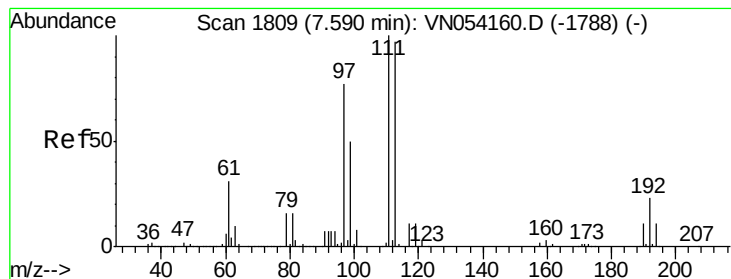
Tot Ion: 65 Resp: 758542
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN054208.D
 Acq: 13 Mar 2019 13:29

Tgt Ion: 114 Resp: 2110387
 Ion Ratio Lower Upper
 114 100
 63 17.9 0.0 35.2
 88 15.2 0.0 30.2





#35

Dibromofluoromethane

Concen: 50.850 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN054208.D

Acq: 13 Mar 2019 13:29

Instrument :
MSVOA_N
ClientSampleId :

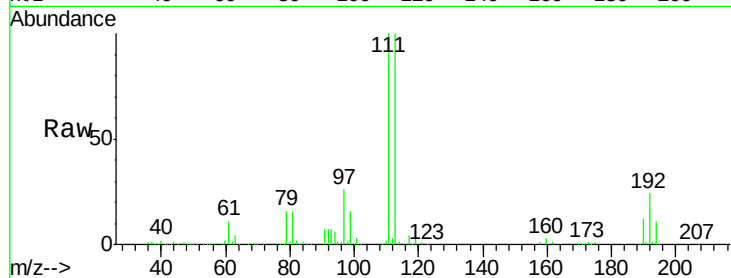
Tot Ion:113 Resp: 692120

Ion Ratio Lower Upper

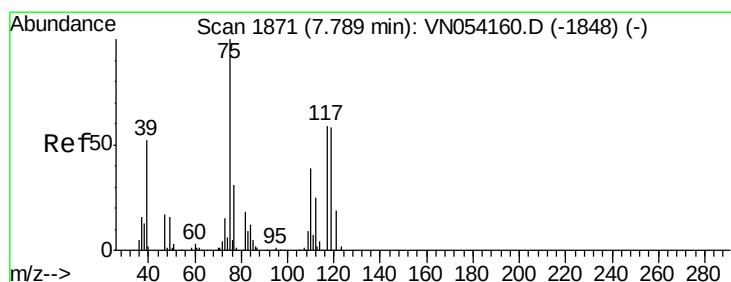
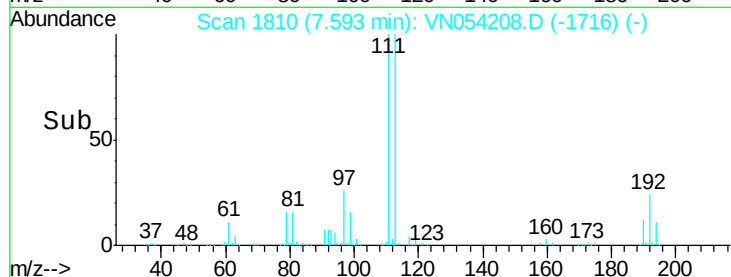
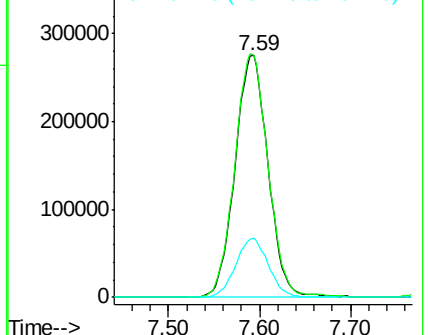
113 100

111 102.1 82.2 123.4

192 24.1 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: 20.088 ug/l

RT: 7.79 min Scan# 1871

Delta R.T. -0.00 min

Lab File: VN054208.D

Acq: 13 Mar 2019 13:29

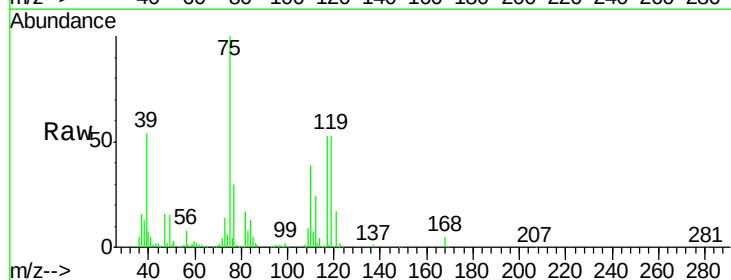
Tgt Ion: 75 Resp: 390401

Ion Ratio Lower Upper

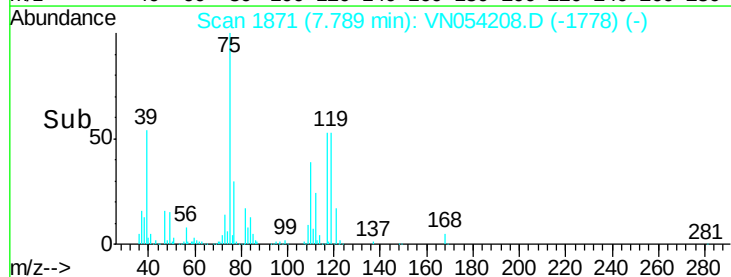
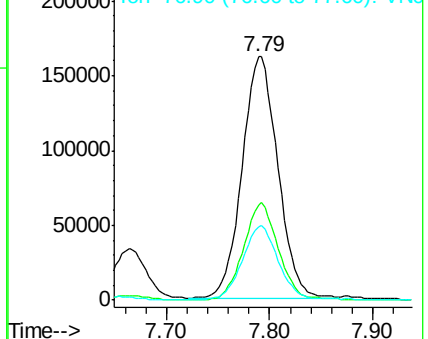
75 100

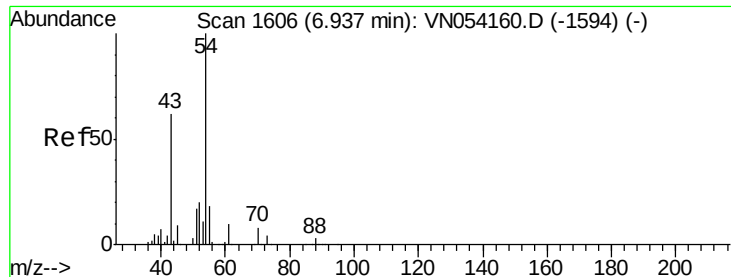
110 39.3 19.1 57.5

77 30.8 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

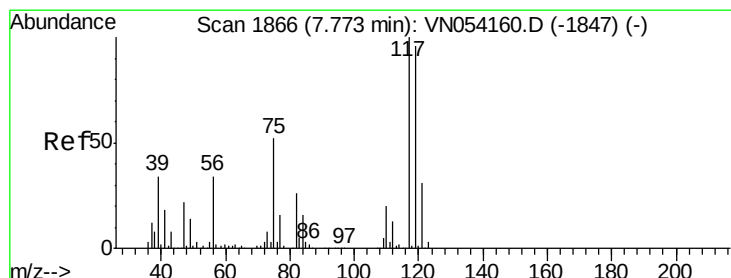
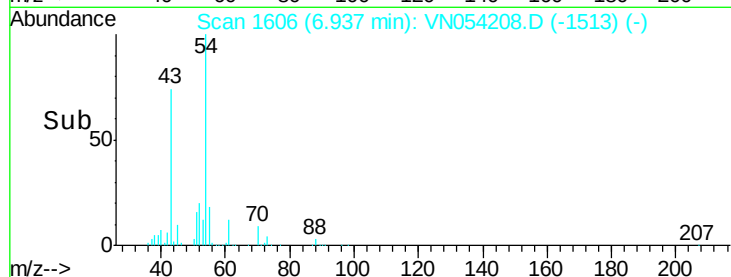
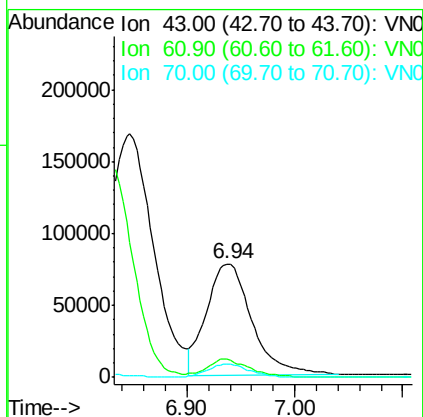
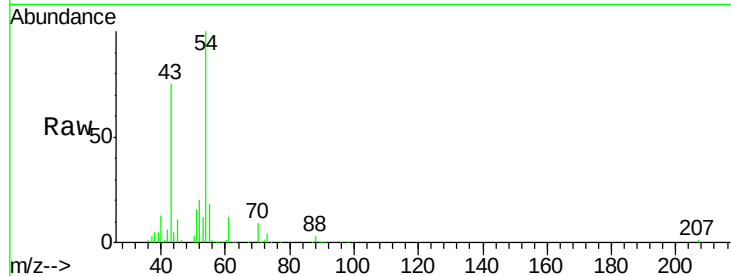




#37
Ethyl Acetate
Concen: 20.268 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. -0.00 min
Lab File: VN054208.D
Acq: 13 Mar 2019 13:29

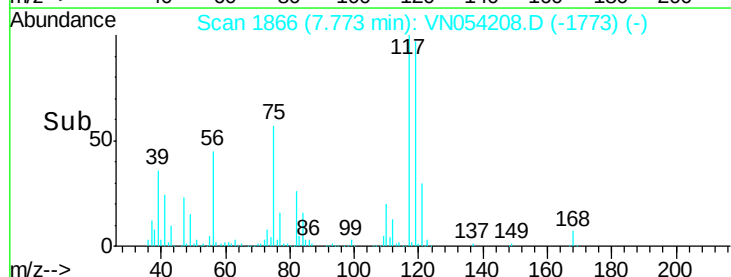
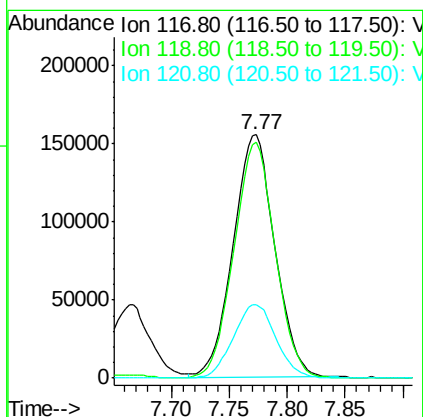
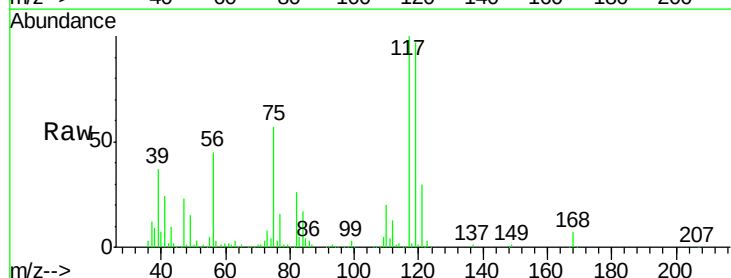
Instrument :
MSVOA_N
ClientSampled :

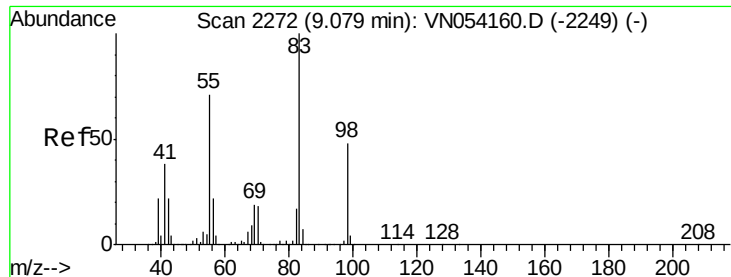
Tot Ion: 43 Resp: 226330
Ion Ratio Lower Upper
43 100
61 14.4 11.8 17.6
70 11.0 8.4 12.6



#38
Carbon Tetrachloride
Concen: 19.011 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN054208.D
Acq: 13 Mar 2019 13:29

Tgt Ion: 117 Resp: 387464
Ion Ratio Lower Upper
117 100
119 97.0 76.3 114.5
121 30.1 24.6 36.8

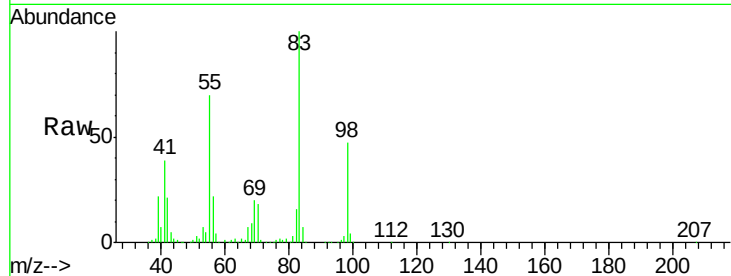




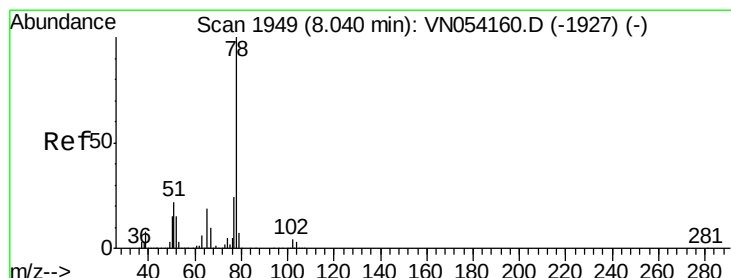
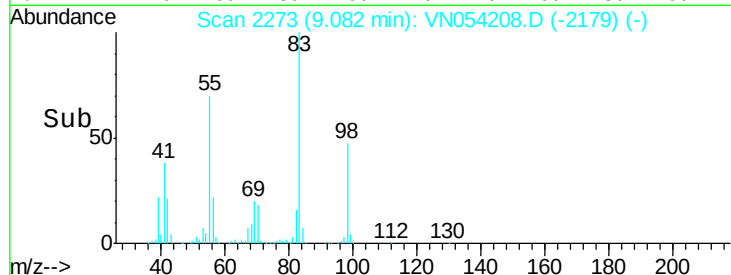
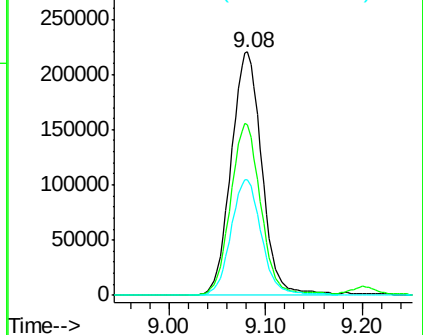
#39
Methylvlcyclohexane
Concen: 20.339 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN054208.D
Acq: 13 Mar 2019 13:29

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 83 Resp: 486356
Ion Ratio Lower Upper
83 100
55 69.9 56.6 84.8
98 47.4 38.4 57.6

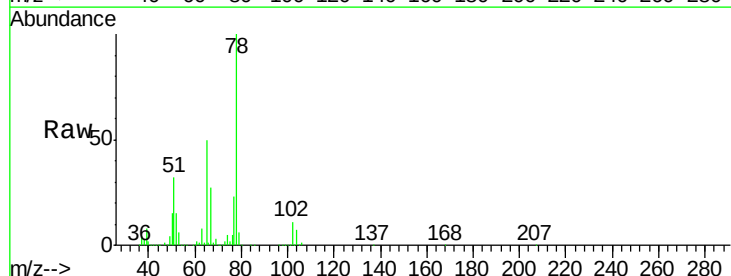


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

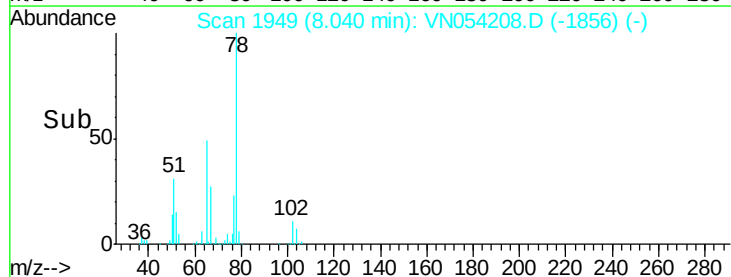
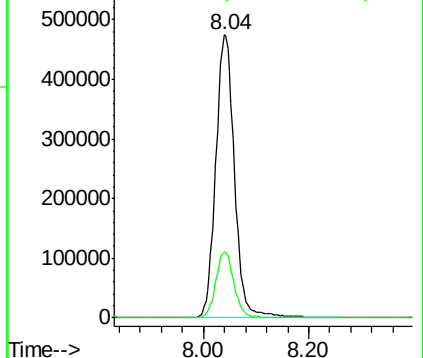


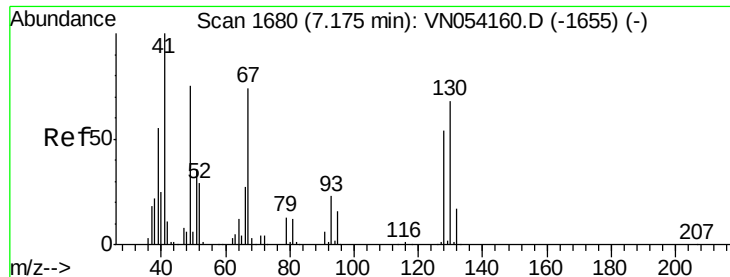
#40
Benzene
Concen: 20.934 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN054208.D
Acq: 13 Mar 2019 13:29

Tgt Ion: 78 Resp: 1164228
Ion Ratio Lower Upper
78 100
77 23.4 19.1 28.7



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

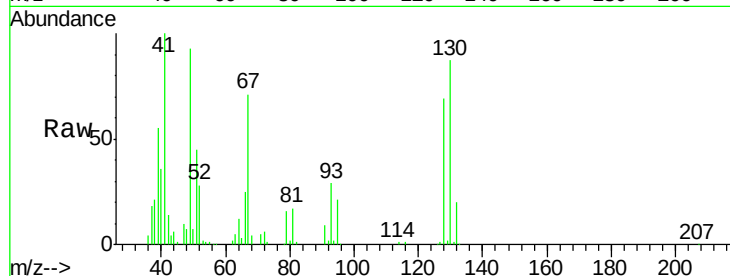




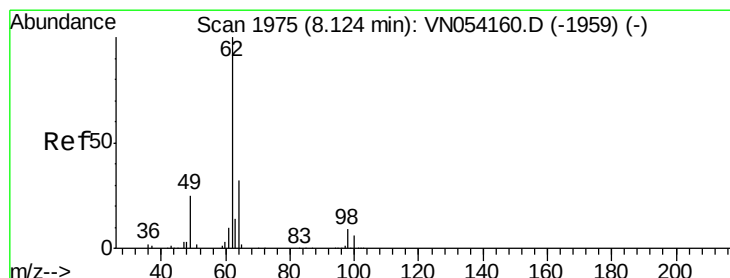
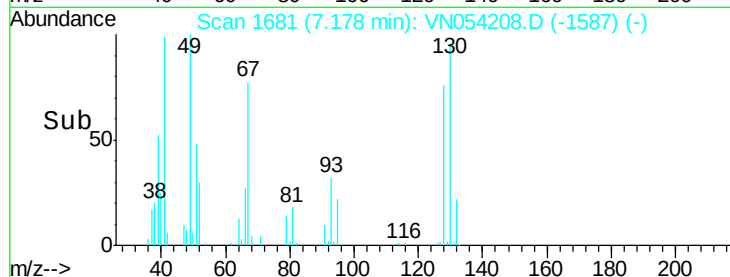
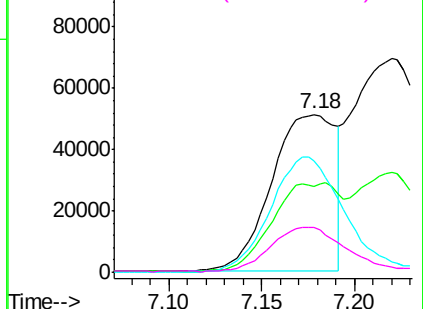
#41
Methacrylonitrile
Concen: 19.154 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN054208.D
Acq: 13 Mar 2019 13:29

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 41 Resp: 122127
Ion Ratio Lower Upper
41 100
39 39.7 46.8 70.2#
67 87.2 67.0 100.4
52 34.1 26.5 39.7

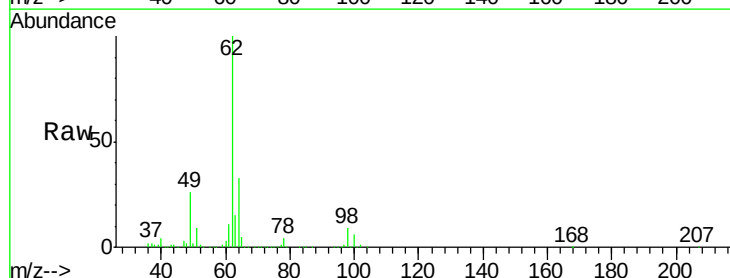


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

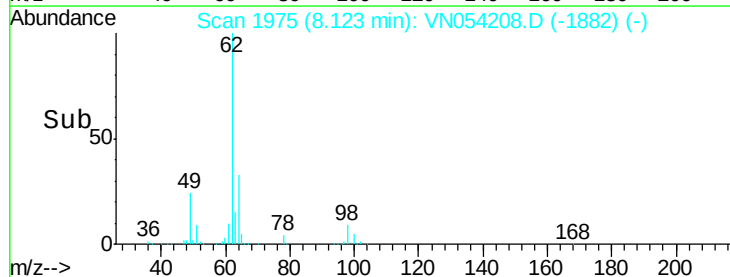
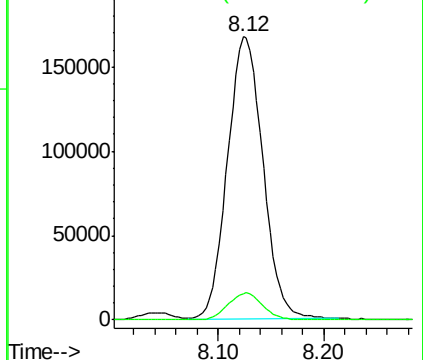


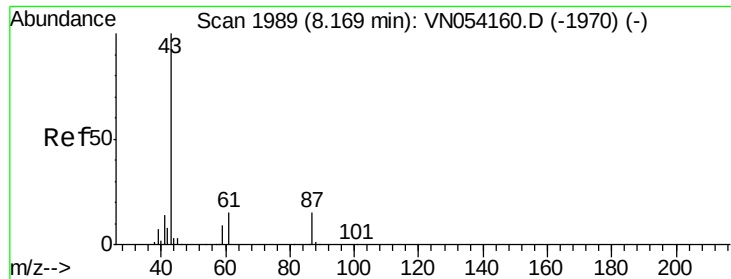
#42
1,2-Dichloroethane
Concen: 20.754 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN054208.D
Acq: 13 Mar 2019 13:29

Tgt Ion: 62 Resp: 389687
Ion Ratio Lower Upper
62 100
98 9.4 0.0 18.4



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

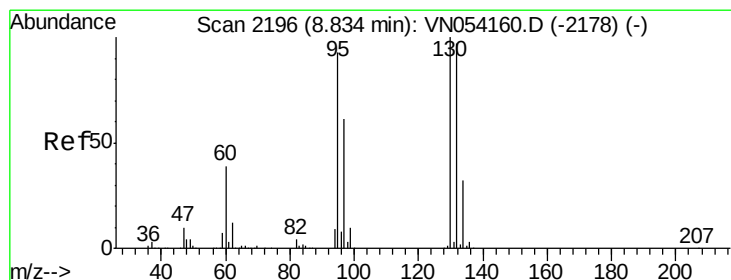
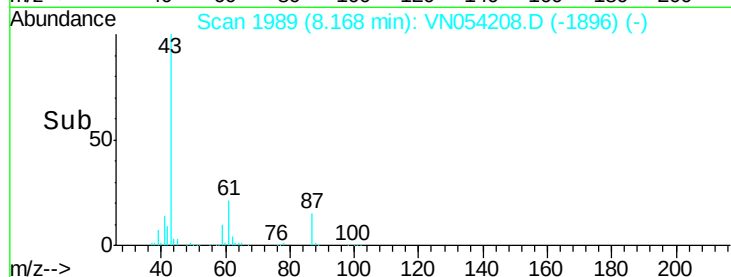
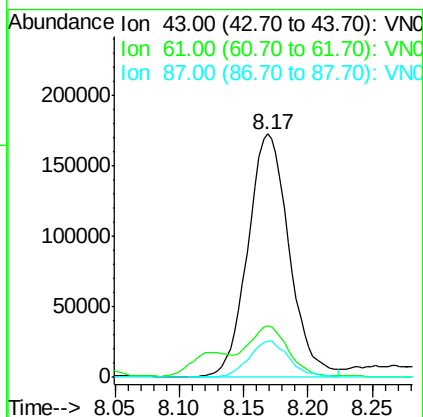
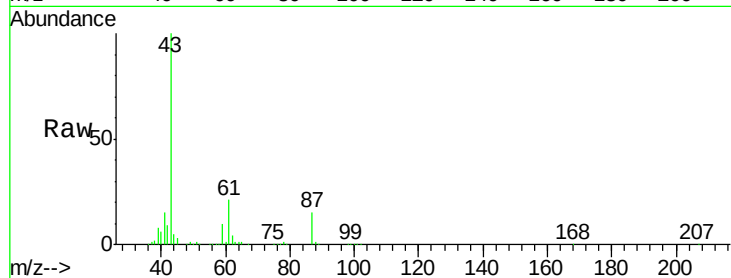




#43
Isopropyl Acetate
Concen: 19.606 ug/l
RT: 8.17 min Scan# 1989
Delta R.T. -0.00 min
Lab File: VN054208.D
Acq: 13 Mar 2019 13:29

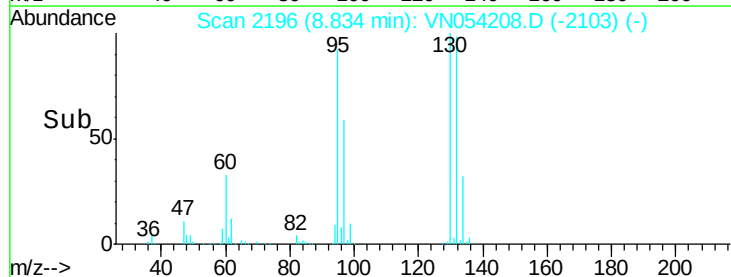
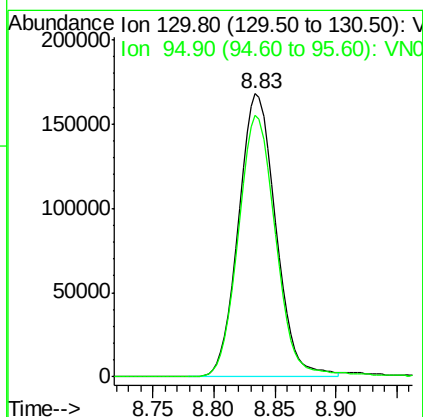
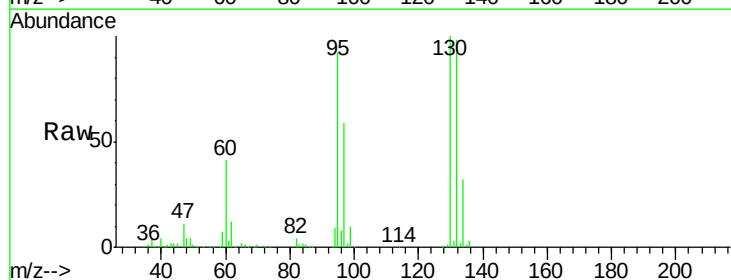
Instrument :
MSVOA_N
ClientSampled :

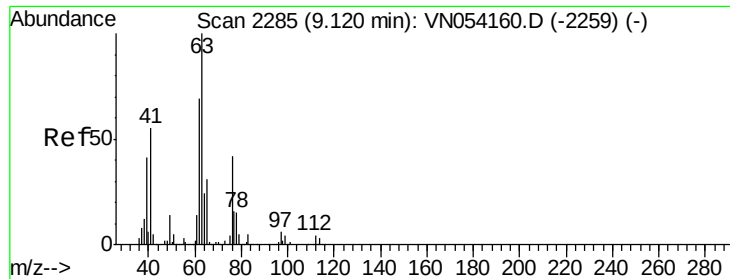
Tot Ion: 43 Resp: 384294
Ion Ratio Lower Upper
43 100
61 20.6 15.8 23.8
87 14.5 12.0 18.0



#44
Trichloroethene
Concen: 20.527 ug/l
RT: 8.83 min Scan# 2196
Delta R.T. -0.00 min
Lab File: VN054208.D
Acq: 13 Mar 2019 13:29

Tgt Ion: 130 Resp: 354632
Ion Ratio Lower Upper
130 100
95 92.4 0.0 185.2

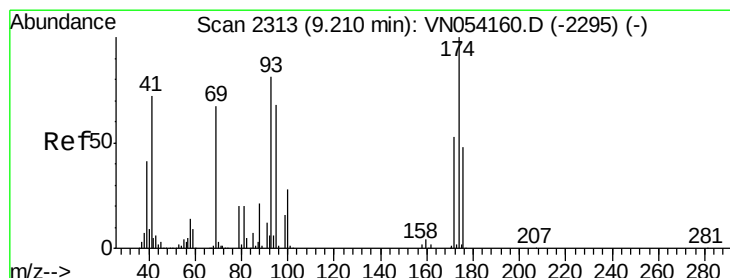
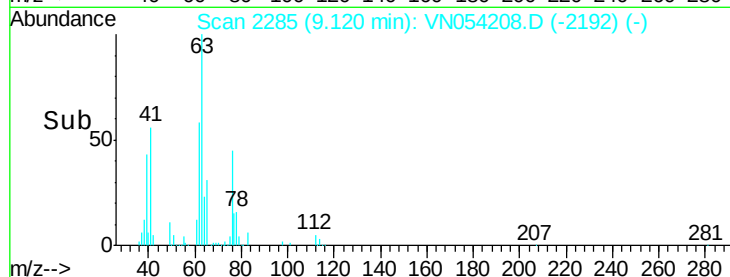
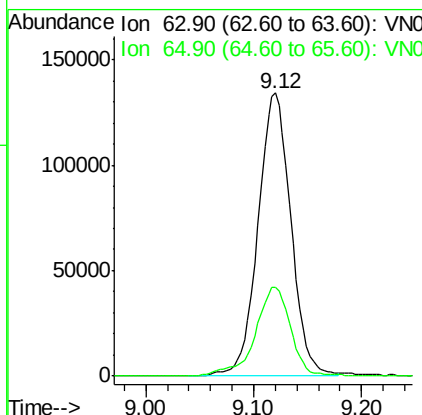
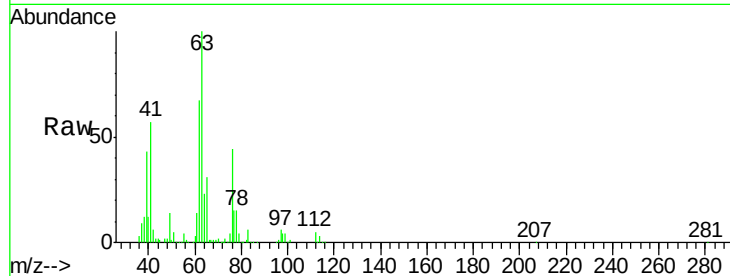




#45
 1,2-Dichloropropane
 Concen: 20.561 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN054208.D
 Acq: 13 Mar 2019 13:29

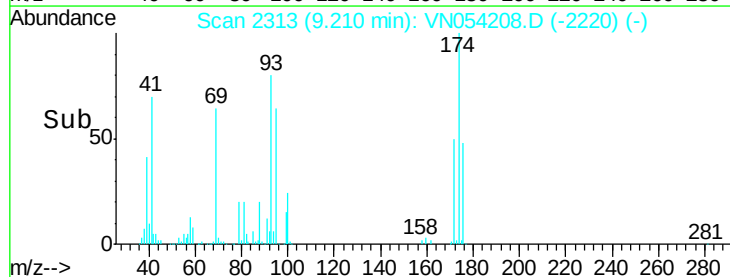
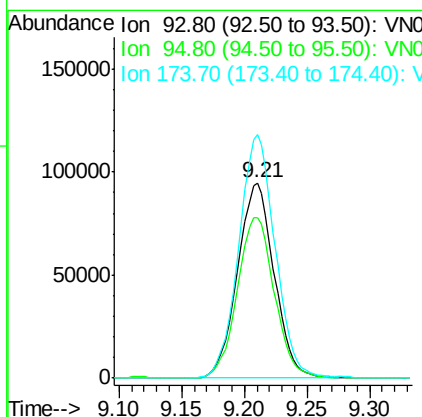
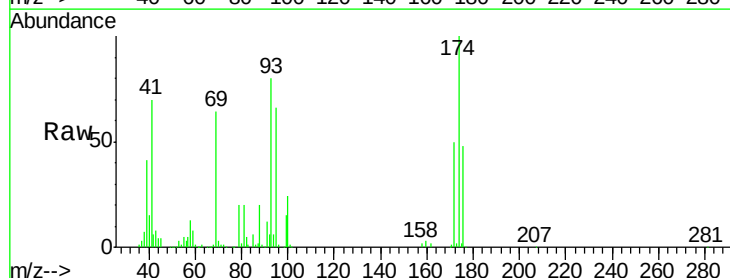
Instrument :
 MSVOA_N
 ClientSampled :

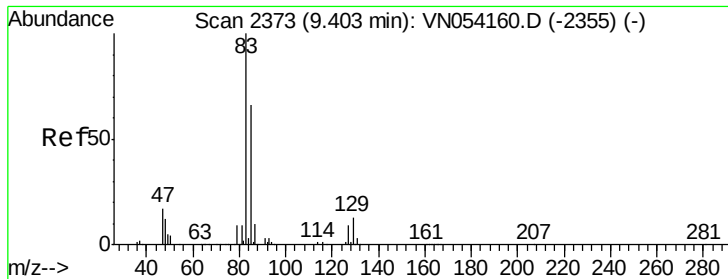
Tot Ion: 63 Resp: 283935
 Ion Ratio Lower Upper
 63 100
 65 31.4 25.0 37.6



#46
 Dibromomethane
 Concen: 20.642 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. -0.00 min
 Lab File: VN054208.D
 Acq: 13 Mar 2019 13:29

Tgt Ion: 93 Resp: 192603
 Ion Ratio Lower Upper
 93 100
 95 83.4 66.7 100.1
 174 124.3 98.5 147.7





#47

Bromodichloromethane

Concen: 20.272 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN054208.D

Acq: 13 Mar 2019 13:29

Instrument :

MSVOA_N

ClientSampleId :

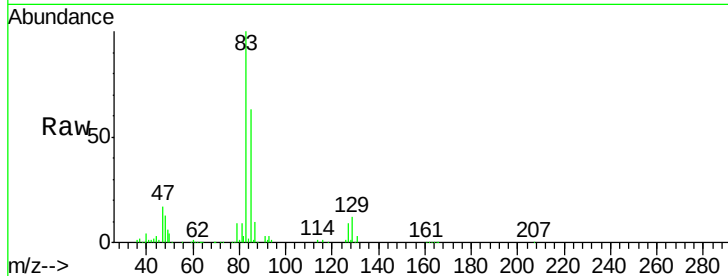
Tot Ion: 83 Resp: 379191

Ion Ratio Lower Upper

83 100

85 63.3 52.8 79.2

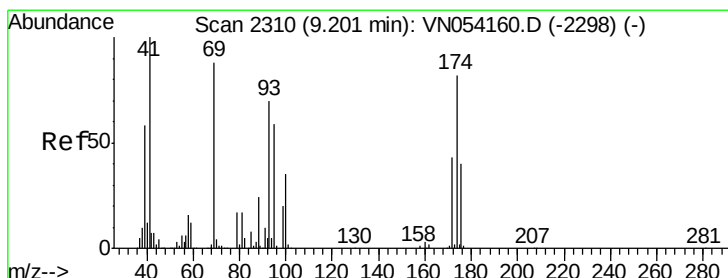
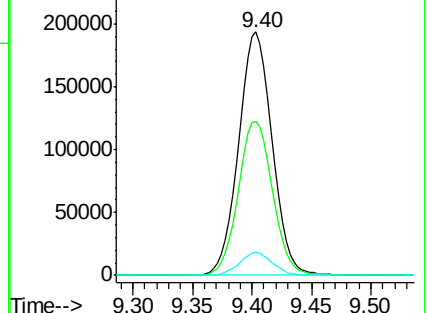
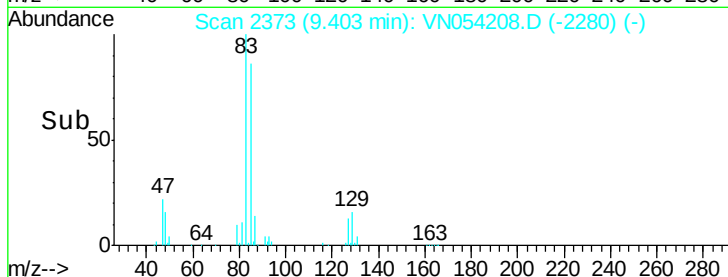
127 9.4 7.4 11.2



Abundance Ion 82.90 (82.60 to 83.60): VN054208.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN054208.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN054208.D (-2280) (-)



#48

Methyl methacrylate

Concen: 19.686 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN054208.D

Acq: 13 Mar 2019 13:29

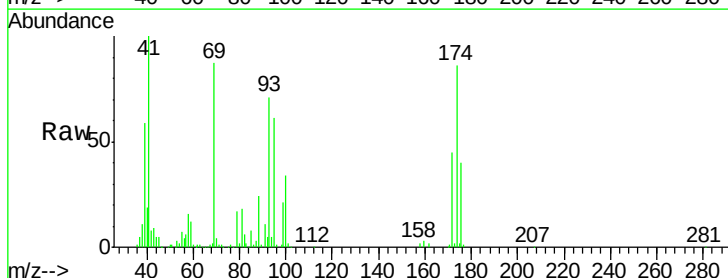
Tgt Ion: 41 Resp: 195823

Ion Ratio Lower Upper

41 100

69 96.4 72.6 108.8

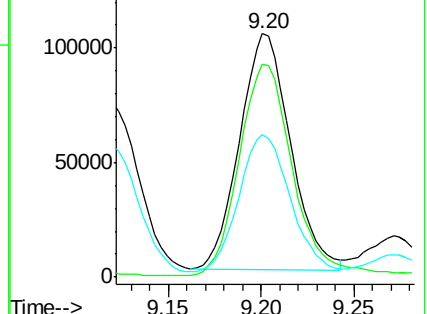
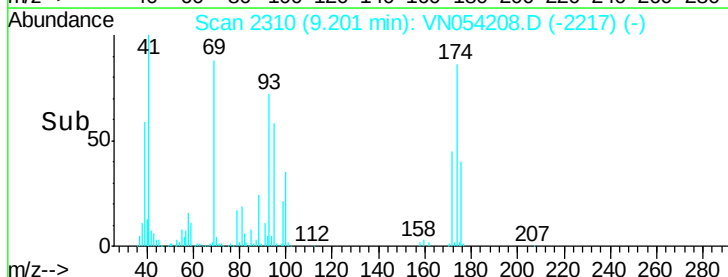
39 62.9 47.5 71.3

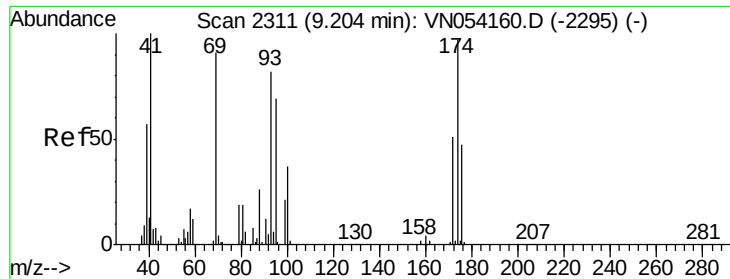


Abundance Ion 41.00 (40.70 to 41.70): VN054208.D (-2217) (-)

Ion 69.00 (68.70 to 69.70): VN054208.D (-2217) (-)

Ion 39.00 (38.70 to 39.70): VN054208.D (-2217) (-)





#49

1,4-Dioxane

Concen: 398.135 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. -0.00 min

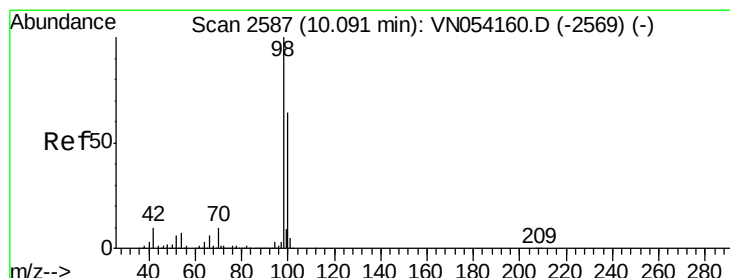
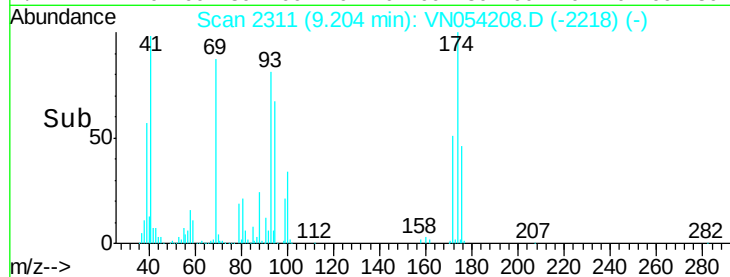
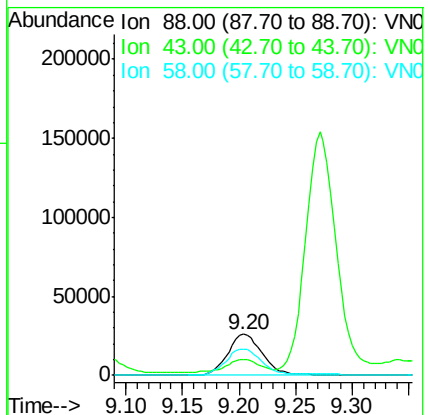
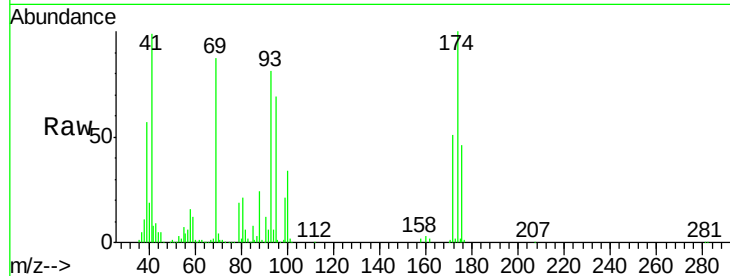
Lab File: VN054208.D

Acq: 13 Mar 2019 13:29

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 88 Resp: 56019

Ion	Ratio	Lower	Upper
88	100		
43	28.3	24.1	36.1
58	66.3	50.8	76.2



#50

Toluene-d8

Concen: 49.888 ug/l

RT: 10.09 min Scan# 2587

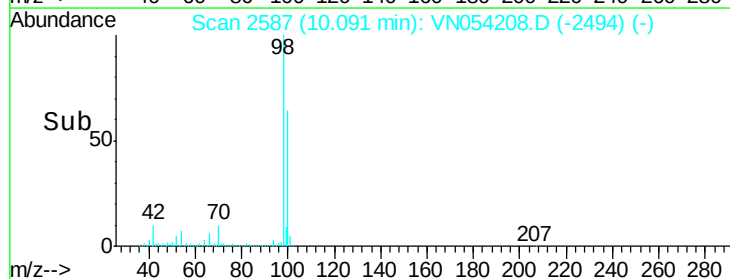
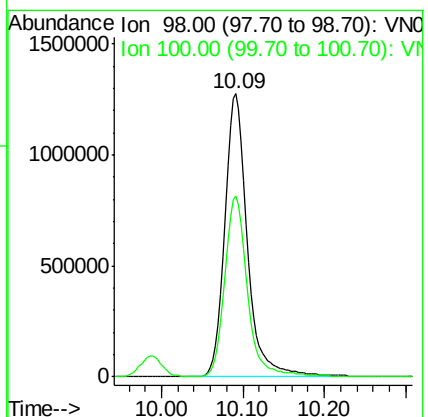
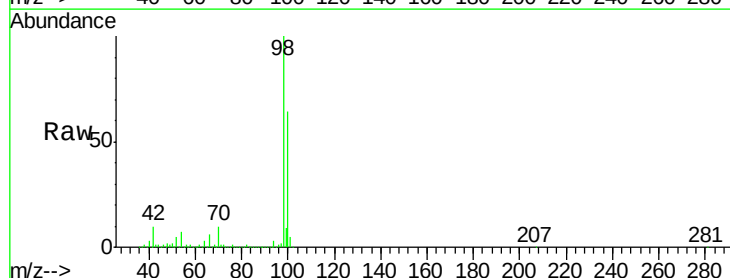
Delta R.T. -0.00 min

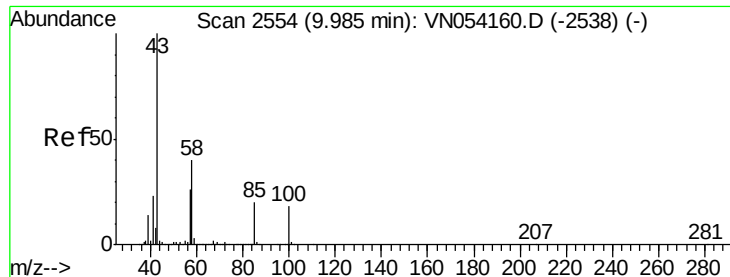
Lab File: VN054208.D

Acq: 13 Mar 2019 13:29

Tgt Ion: 98 Resp: 2507744

Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 102.350 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN054208.D

Acq: 13 Mar 2019 13:29

Instrument :

MSVOA_N

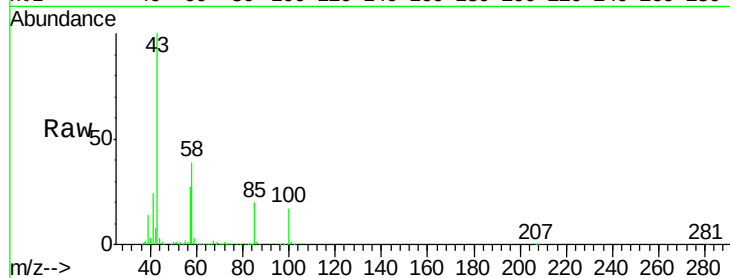
ClientSampled :

Tot Ion: 43 Resp: 1061684

Ion Ratio Lower Upper

43 100

58 40.0 31.8 47.6



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

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

9.99

600000

500000

400000

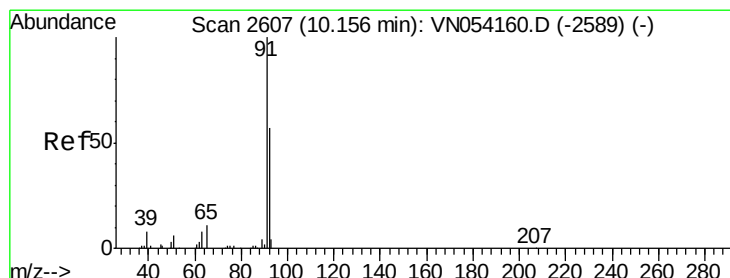
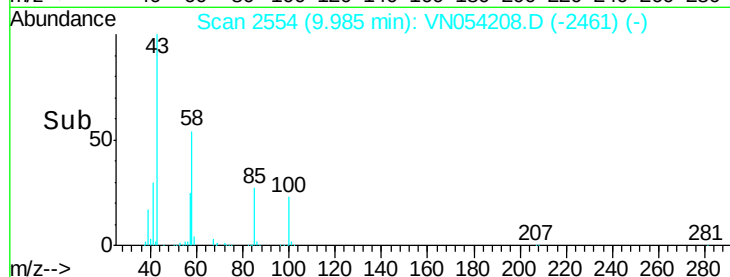
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 20.632 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN054208.D

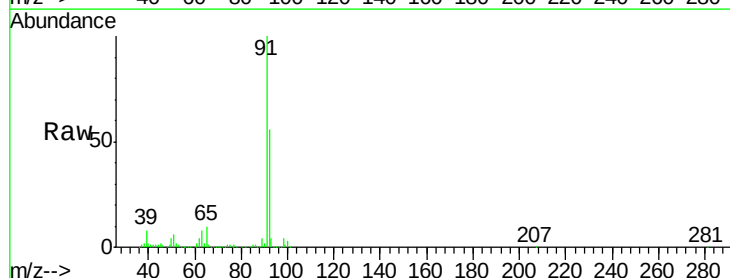
Acq: 13 Mar 2019 13:29

Tgt Ion: 92 Resp: 727551

Ion Ratio Lower Upper

92 100

91 177.1 140.7 211.1



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

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

10.16

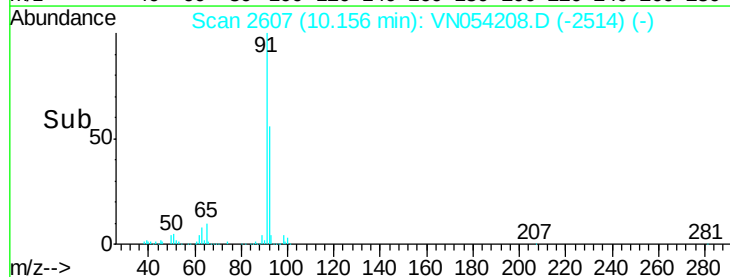
600000

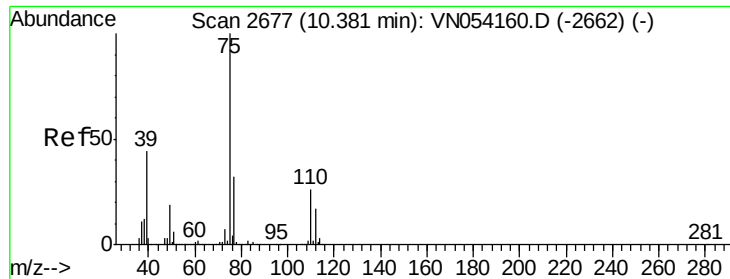
400000

200000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 18.312 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN054208.D

Acq: 13 Mar 2019 13:29

Instrument :

MSVOA_N

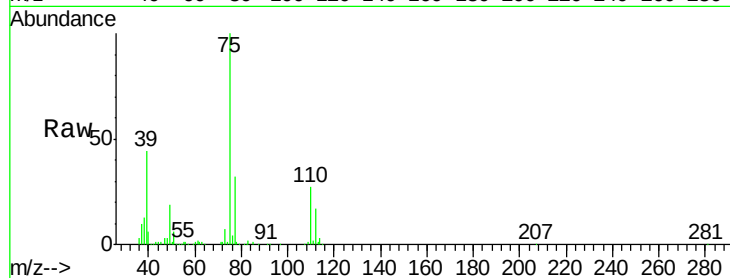
ClientSampleId :

Tot Ion: 75 Resp: 363725

Ion Ratio Lower Upper

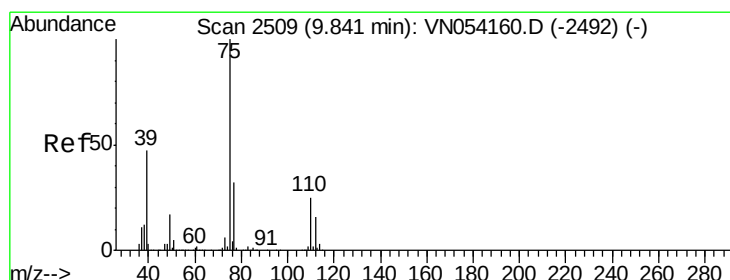
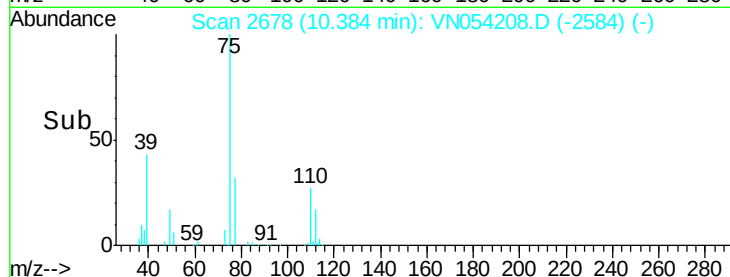
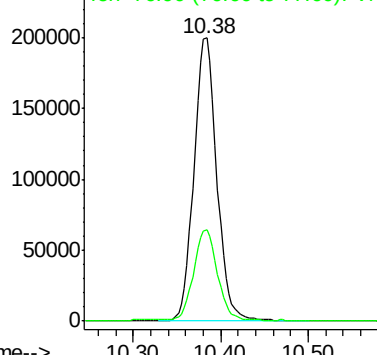
75 100

77 31.8 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: 19.784 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN054208.D

Acq: 13 Mar 2019 13:29

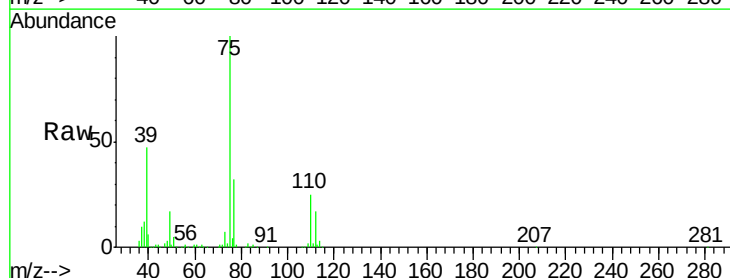
Tgt Ion: 75 Resp: 431242

Ion Ratio Lower Upper

75 100

77 31.8 25.4 38.0

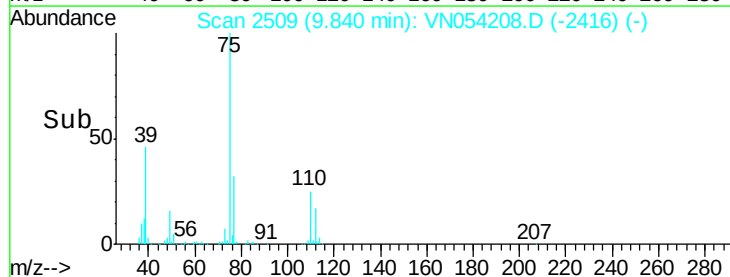
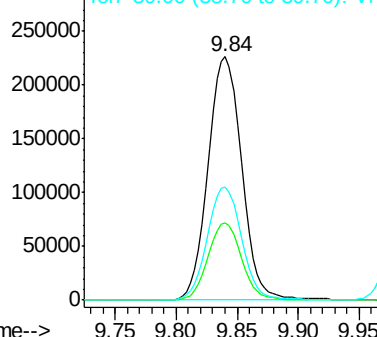
39 46.4 37.2 55.8

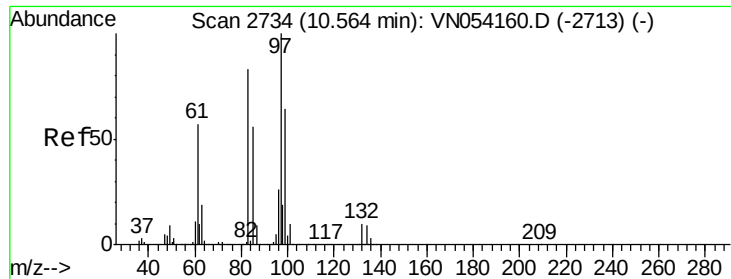


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

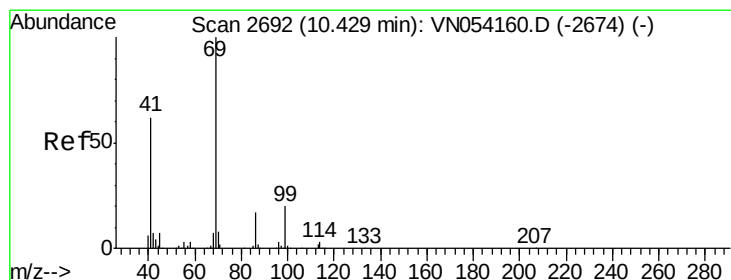
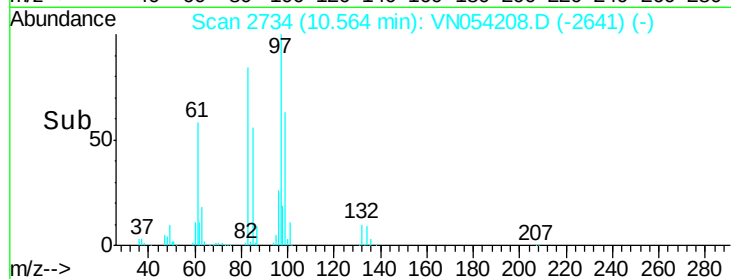
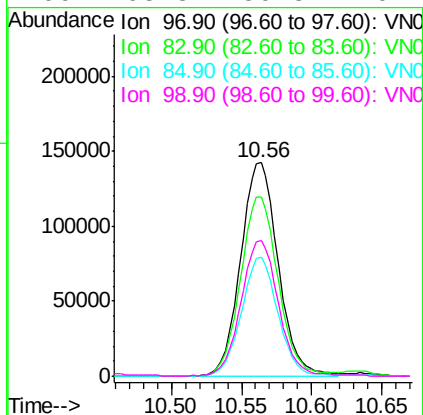
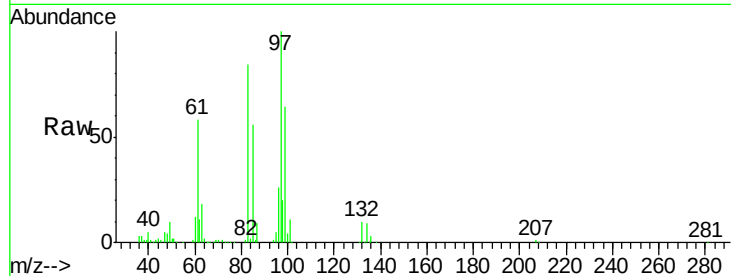




#55
 1,1,2-Trichloroethane
 Concen: 20.645 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN054208.D
 Acq: 13 Mar 2019 13:29

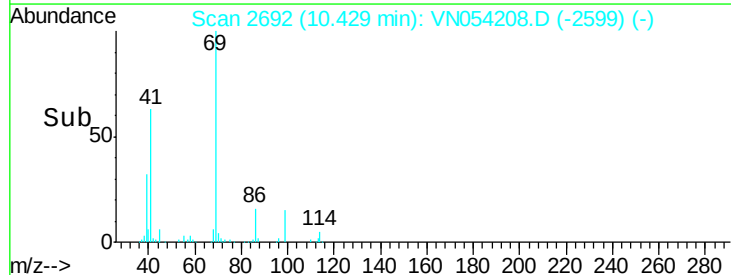
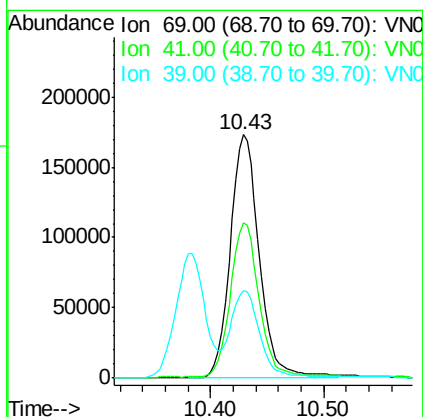
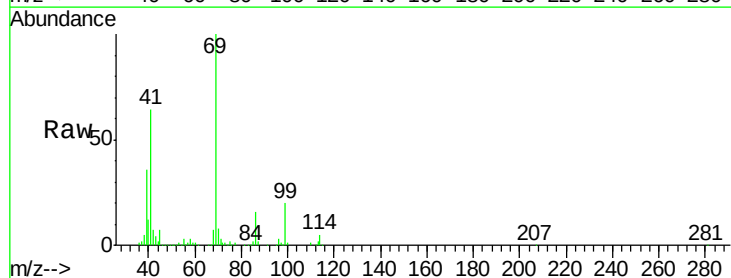
Instrument :
 MSVOA_N
 ClientSampleId :

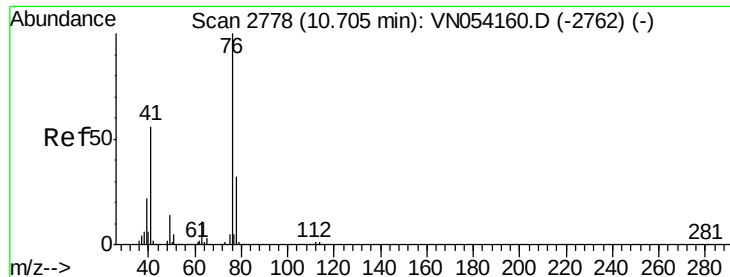
Tot Ion:	97	Resp:	265829
Ion	Ratio	Lower	Upper
97	100		
83	83.9	66.6	100.0
85	56.0	44.4	66.6
99	63.3	50.8	76.2



#56
 Ethyl methacrylate
 Concen: 20.143 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN054208.D
 Acq: 13 Mar 2019 13:29

Tgt Ion:	69	Resp:	309259
Ion	Ratio	Lower	Upper
69	100		
41	62.4	49.4	74.2
39	35.7	28.3	42.5





#57

1,3-Dichloropropane

Concen: 20.831 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN054208.D

Acq: 13 Mar 2019 13:29

Instrument :

MSVOA_N

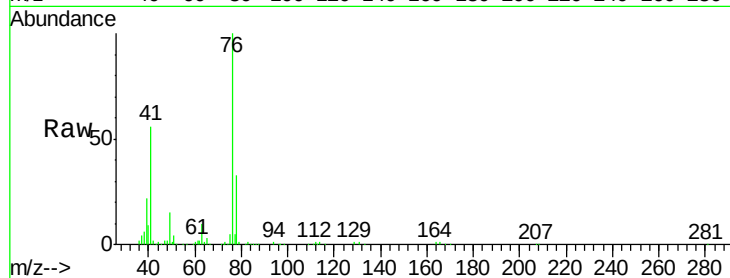
ClientSampled :

Tot Ion: 76 Resp: 438582

Ion Ratio Lower Upper

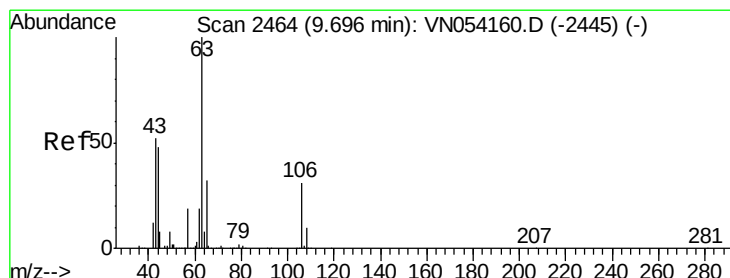
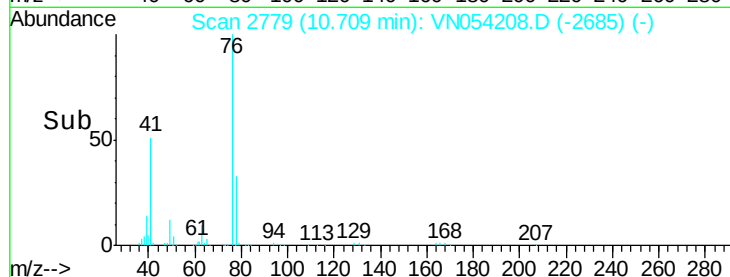
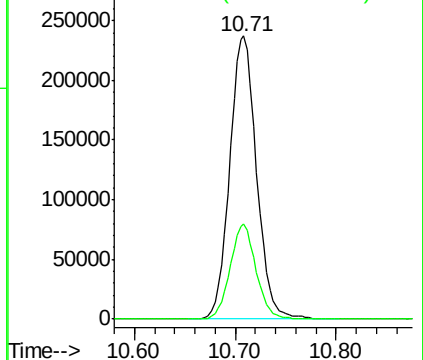
76 100

78 32.4 25.7 38.5



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 102.683 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN054208.D

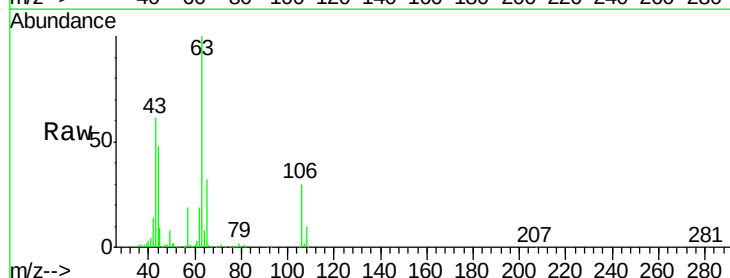
Acq: 13 Mar 2019 13:29

Tgt Ion: 63 Resp: 613134

Ion Ratio Lower Upper

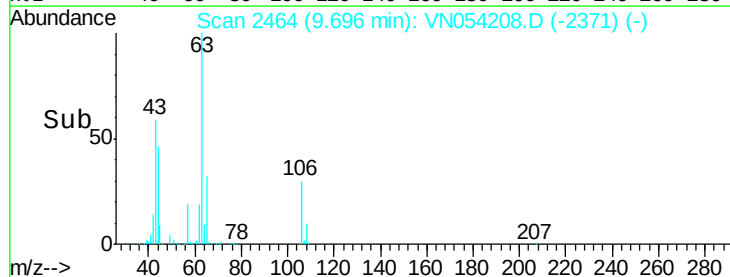
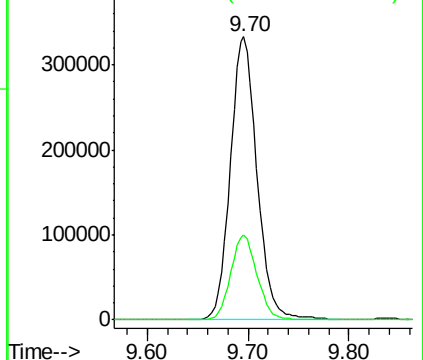
63 100

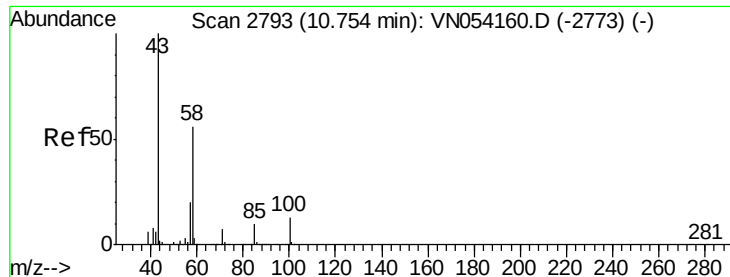
106 29.6 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

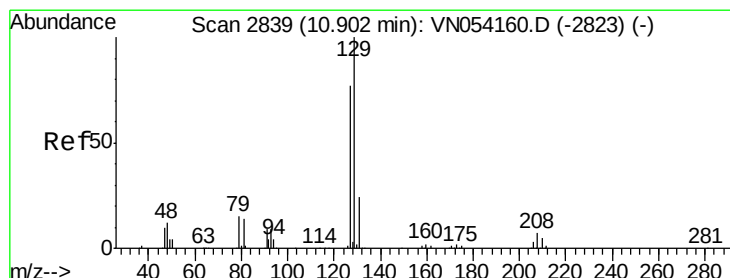
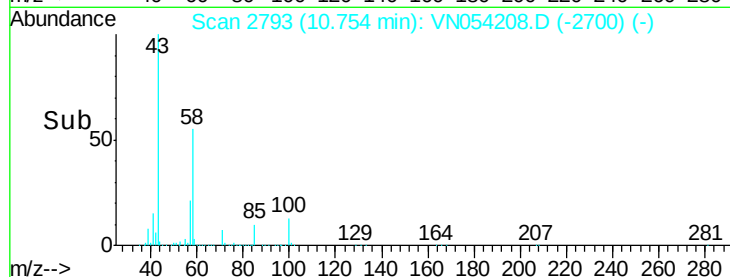
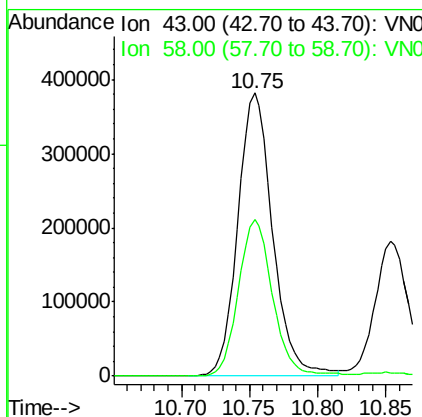
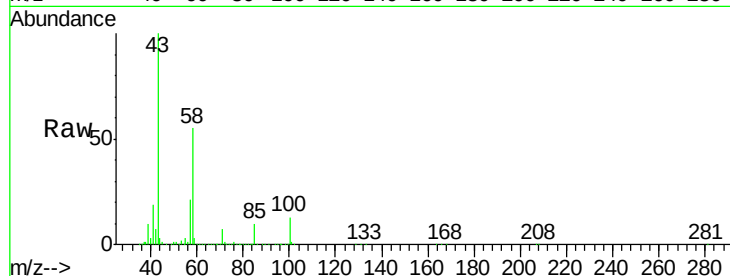




#59
2-Hexanone
Concen: 97.433 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN054208.D
Acq: 13 Mar 2019 13:29

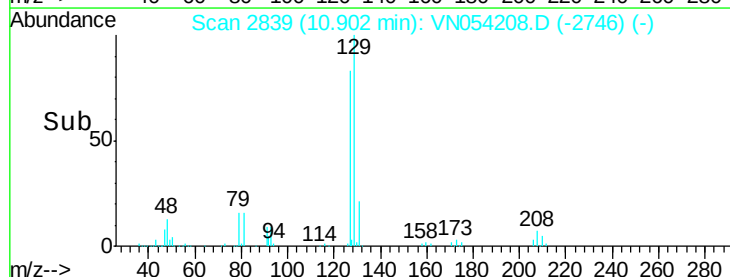
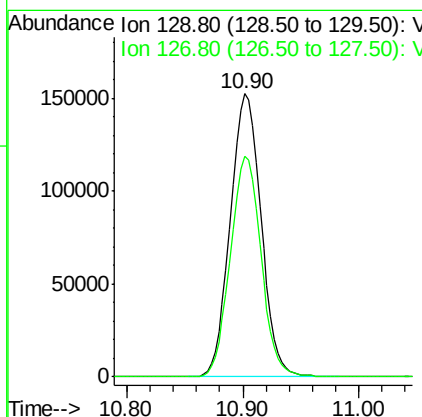
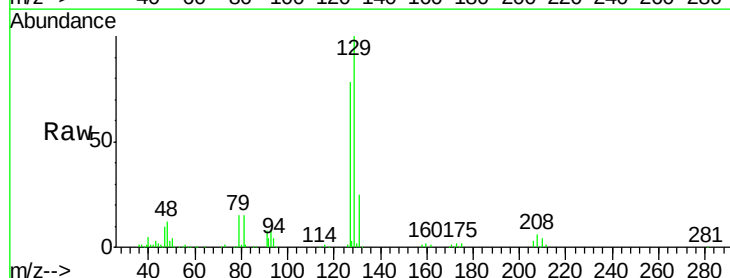
Instrument :
MSVOA_N
ClientSampled :

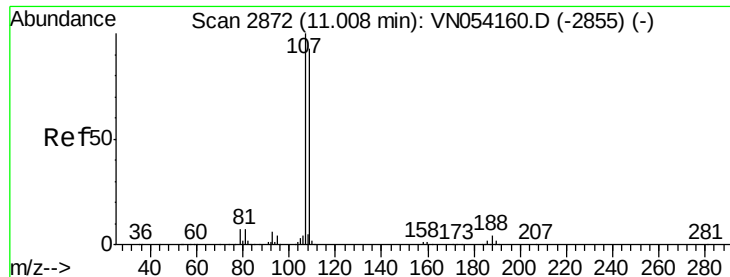
Tot Ion: 43 Resp: 672503
Ion Ratio Lower Upper
43 100
58 54.9 28.0 83.9



#60
Dibromochloromethane
Concen: 19.365 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN054208.D
Acq: 13 Mar 2019 13:29

Tgt Ion: 129 Resp: 280657
Ion Ratio Lower Upper
129 100
127 77.7 38.6 115.8

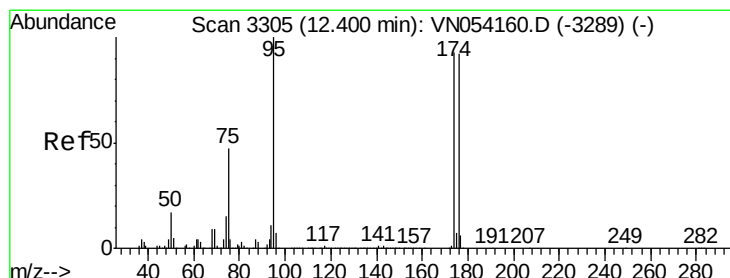
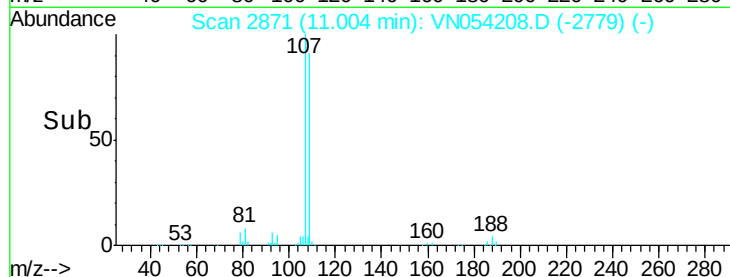
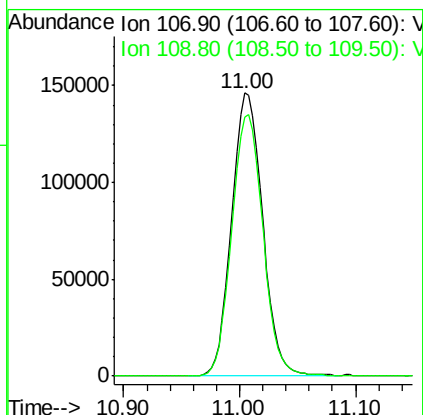
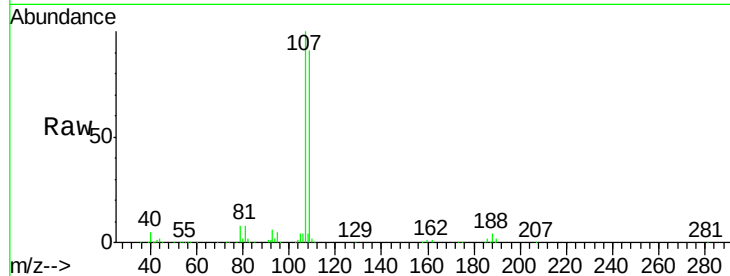




#61
 1,2-Dibromoethane
 Concen: 20.688 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN054208.D
 Acq: 13 Mar 2019 13:29

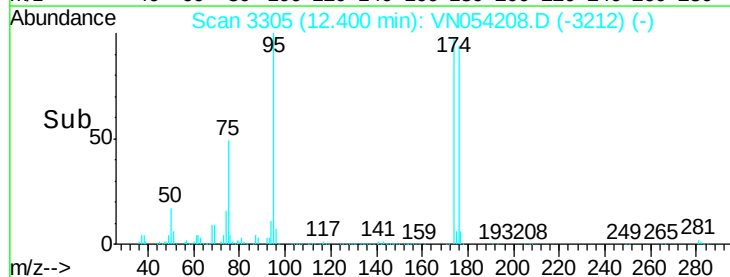
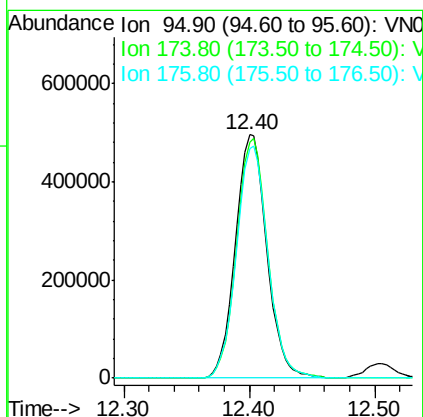
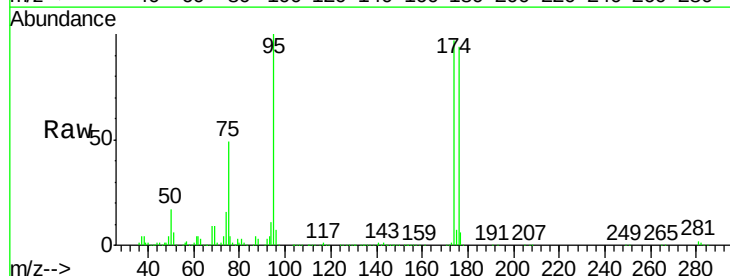
Instrument :
 MSVOA_N
 ClientSampleId :

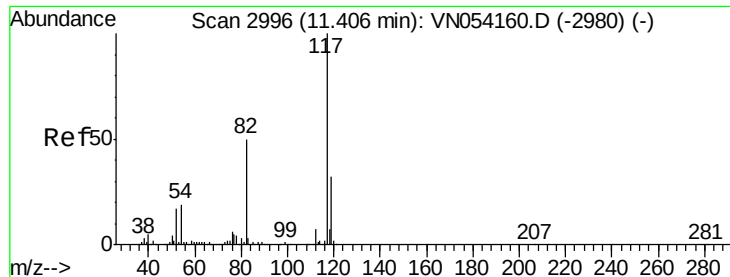
Tot Ion: 107 Resp: 270698
 Ion Ratio Lower Upper
 107 100
 109 93.4 75.9 113.9



#62
 4-Bromofluorobenzene
 Concen: 49.070 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN054208.D
 Acq: 13 Mar 2019 13:29

Tgt Ion: 95 Resp: 863082
 Ion Ratio Lower Upper
 95 100
 174 98.1 0.0 191.0
 176 95.7 0.0 187.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN054208.D

Acq: 13 Mar 2019 13:29

Instrument :

MSVOA_N

ClientSampleId :

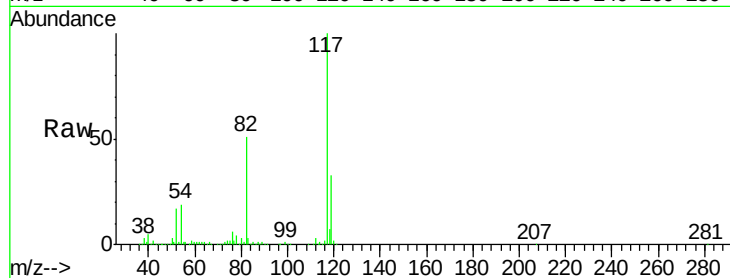
Tot Ion:117 Resp: 1858885

Ion Ratio Lower Upper

117 100

82 51.3 40.0 60.0

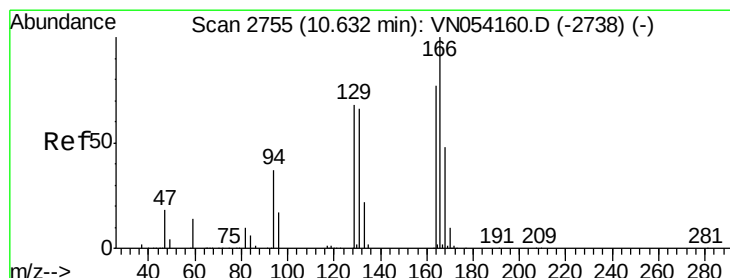
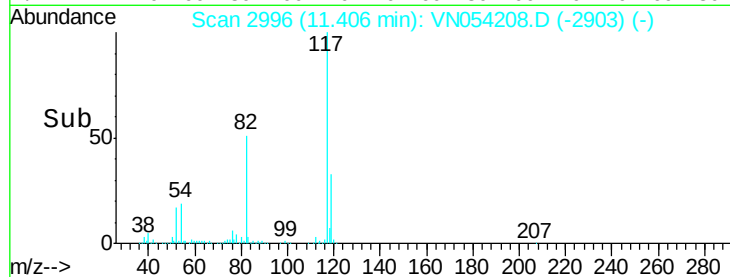
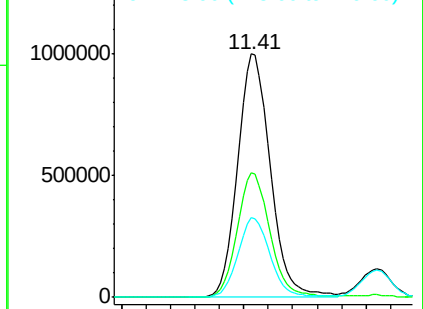
119 32.6 25.8 38.6



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: 20.232 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. -0.00 min

Lab File: VN054208.D

Acq: 13 Mar 2019 13:29

Tgt Ion:164 Resp: 363630

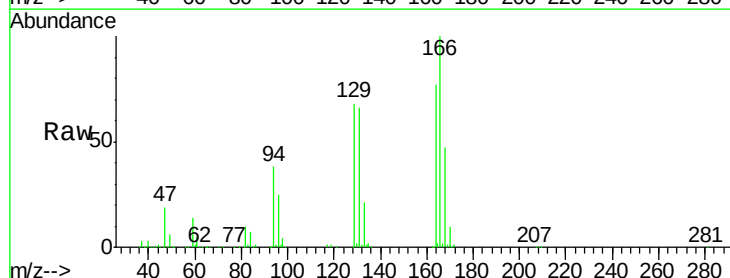
Ion Ratio Lower Upper

164 100

166 130.0 103.9 155.9

129 88.4 71.1 106.7

131 85.4 68.2 102.4

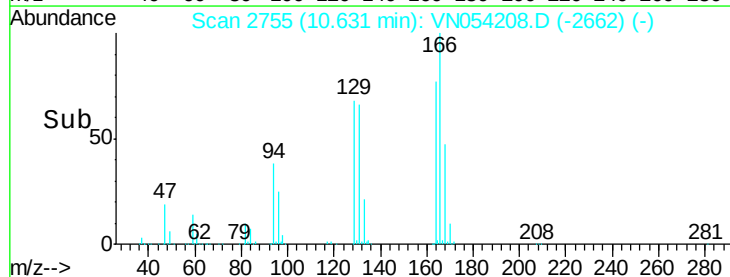
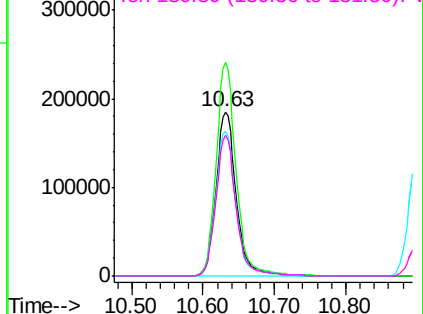


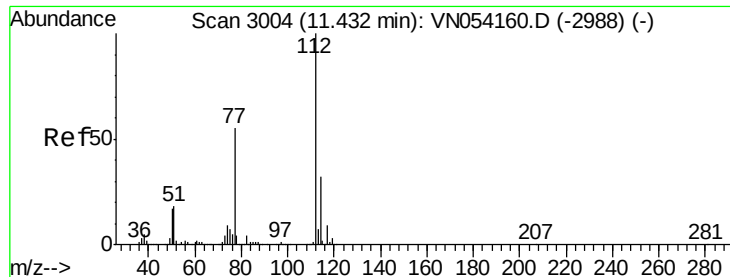
Abundance Ion 163.80 (163.50 to 164.50): V

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

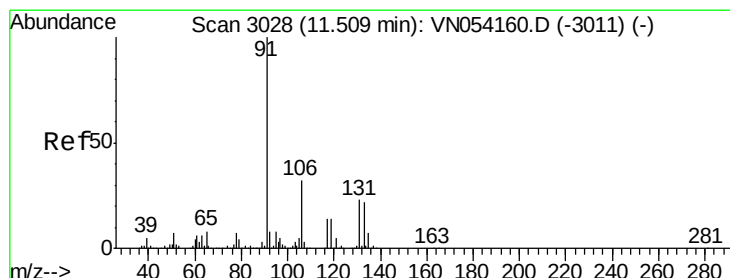
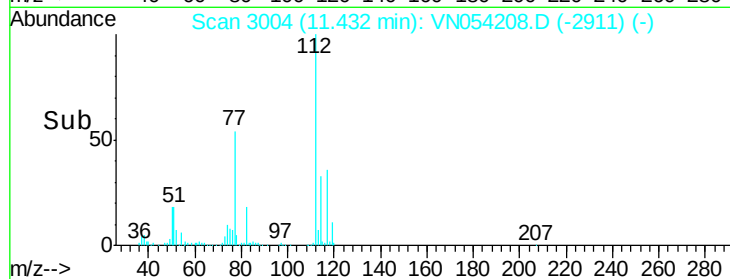
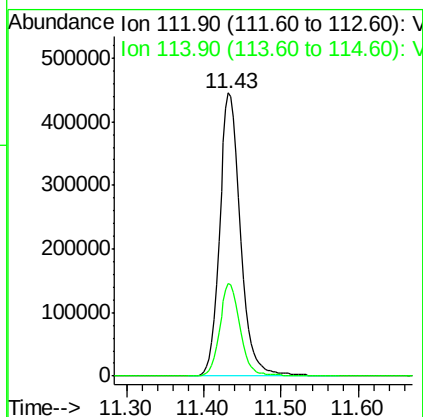
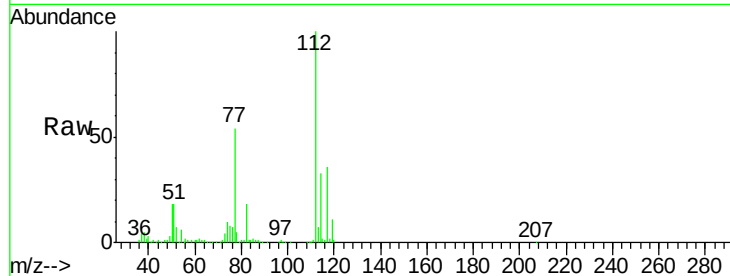




#65
Chlorobenzene
Concen: 20.585 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN054208.D
Acq: 13 Mar 2019 13:29

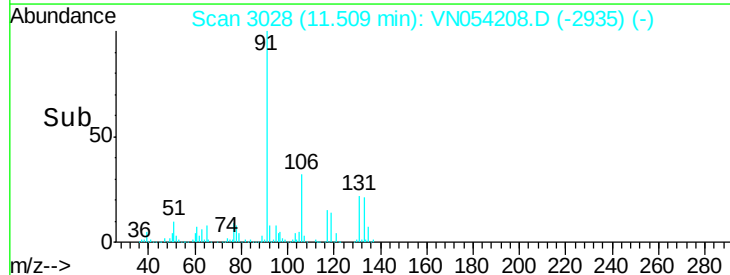
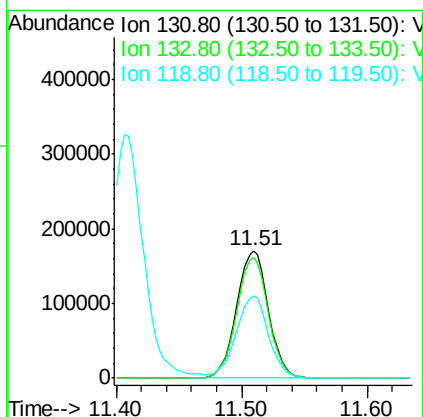
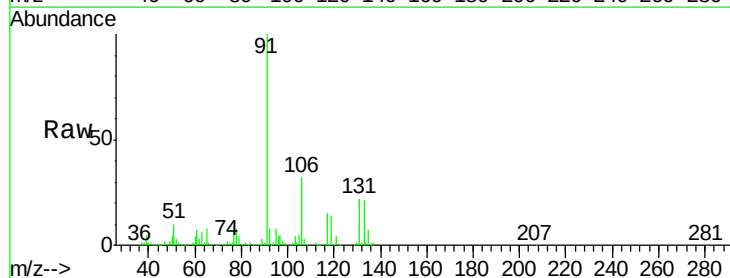
Instrument :
MSVOA_N
ClientSampled :

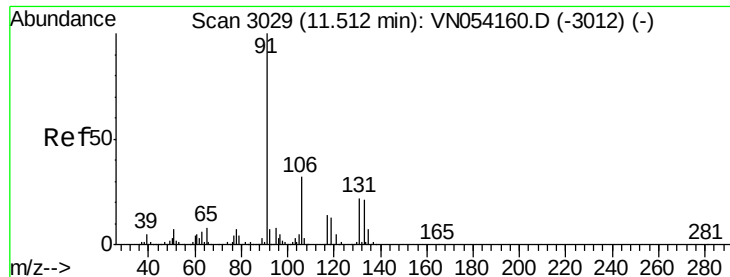
Tot Ion:112 Resp: 840208
Ion Ratio Lower Upper
112 100
114 32.6 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 20.218 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN054208.D
Acq: 13 Mar 2019 13:29

Tgt Ion:131 Resp: 299778
Ion Ratio Lower Upper
131 100
133 94.2 47.6 142.9
119 65.7 32.4 97.0





#67

Ethyl Benzene

Concen: 20.343 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN054208.D

Acq: 13 Mar 2019 13:29

Instrument :

MSVOA_N

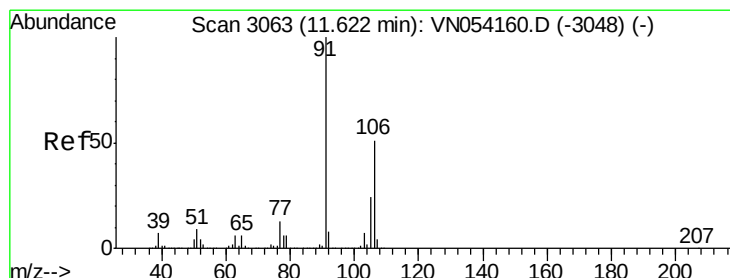
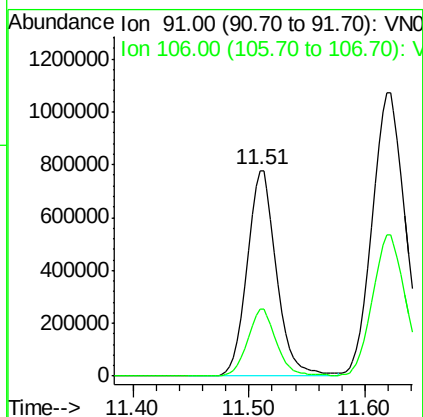
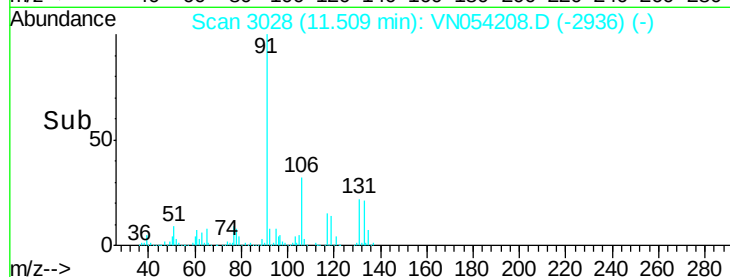
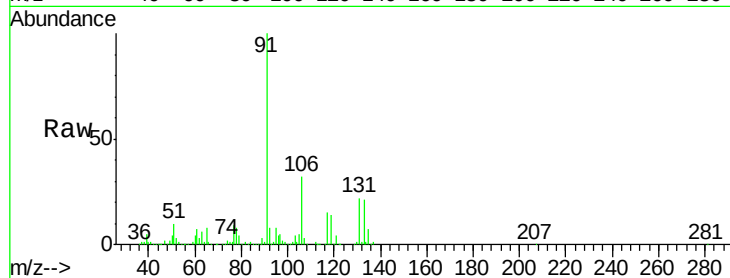
ClientSampled :

Tot Ion: 91 Resp: 1376383

Ion Ratio Lower Upper

91 100

106 32.4 25.5 38.3



#68

m/p-Xylenes

Concen: 40.863 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. -0.00 min

Lab File: VN054208.D

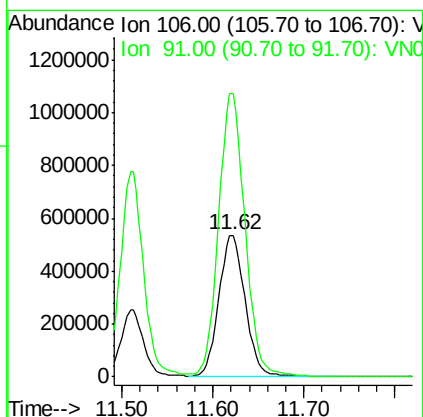
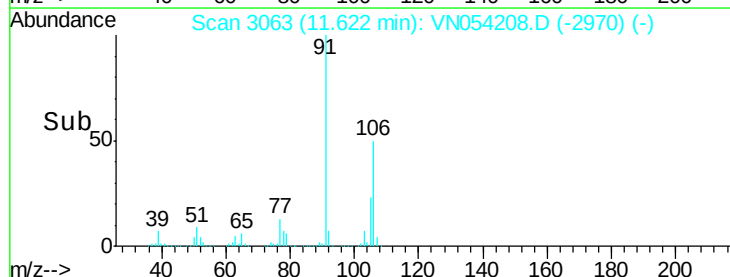
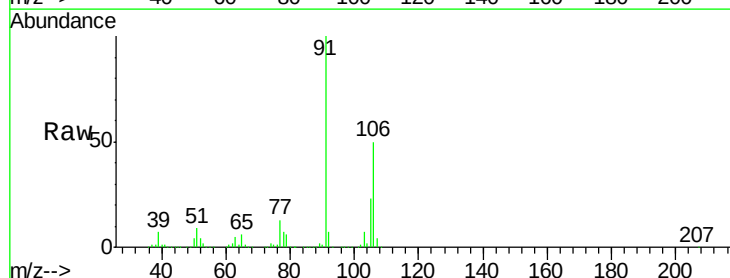
Acq: 13 Mar 2019 13:29

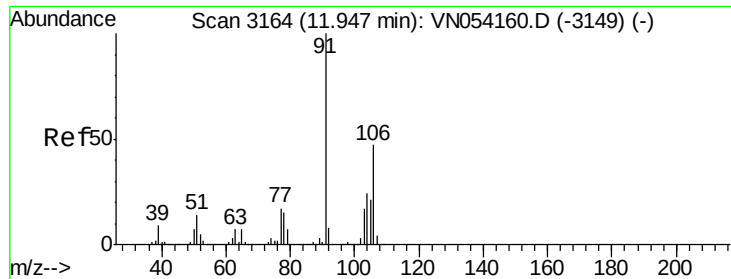
Tgt Ion: 106 Resp: 1080600

Ion Ratio Lower Upper

106 100

91 200.5 159.4 239.2

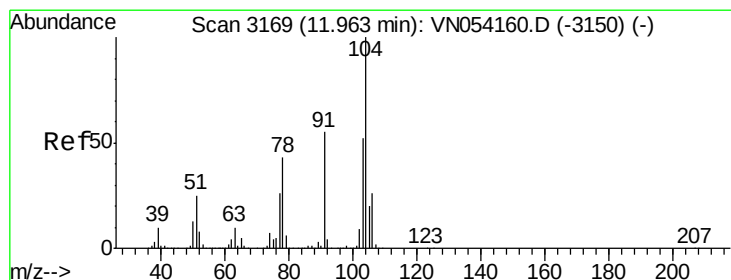
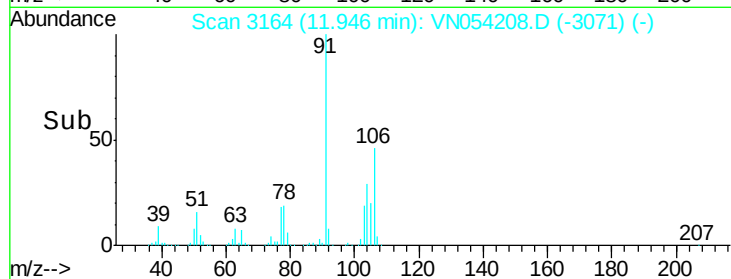
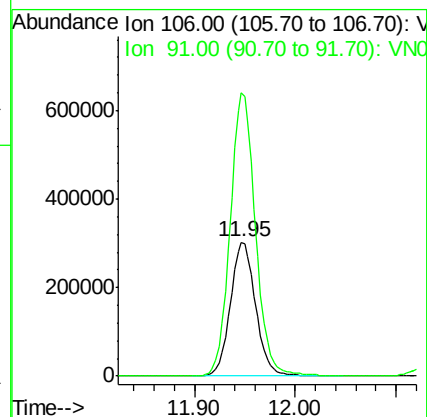
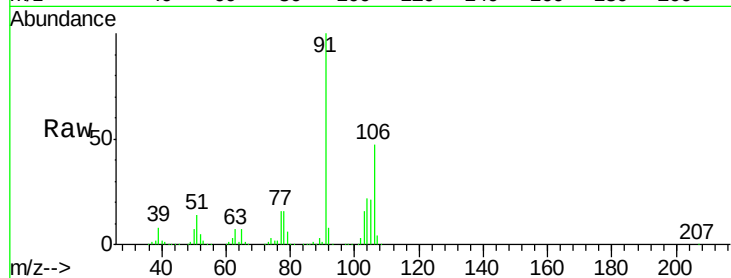




#69
o-Xylene
Concen: 20.507 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN054208.D
Acq: 13 Mar 2019 13:29

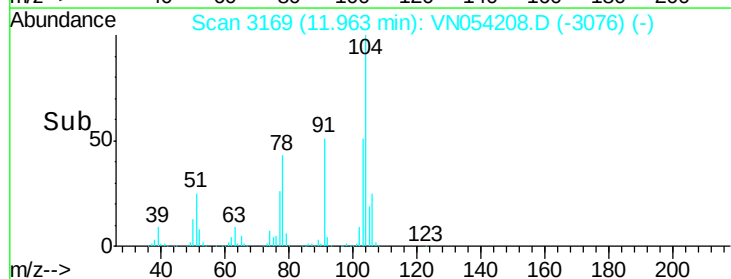
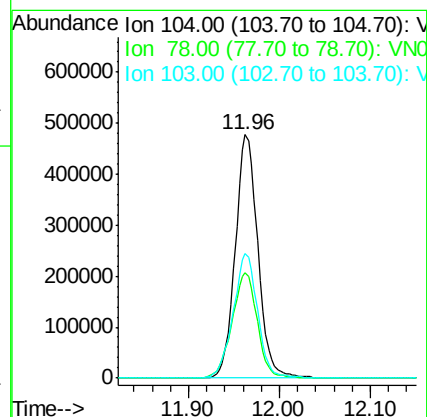
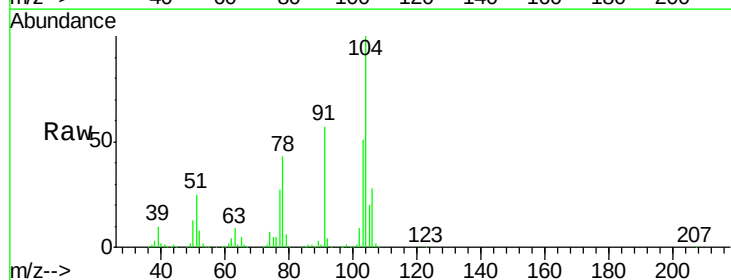
Instrument :
MSVOA_N
ClientSampled :

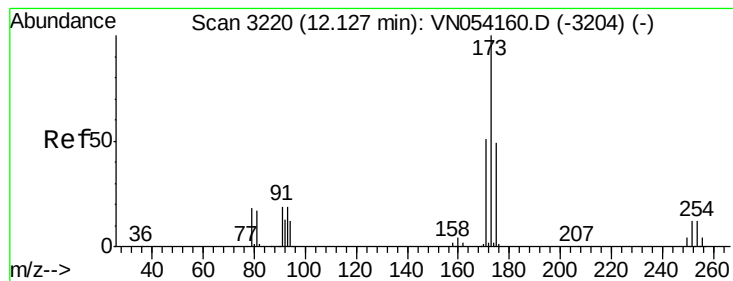
Tot Ion:106 Resp: 528652
Ion Ratio Lower Upper
106 100
91 211.8 105.7 317.1



#70
Styrene
Concen: 20.459 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN054208.D
Acq: 13 Mar 2019 13:29

Tgt Ion:104 Resp: 827176
Ion Ratio Lower Upper
104 100
78 48.2 38.2 57.2
103 55.5 44.4 66.6





#71

Bromoform

Concen: 17.618 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN054208.D

Acq: 13 Mar 2019 13:29

Instrument :

MSVOA_N

ClientSampled :

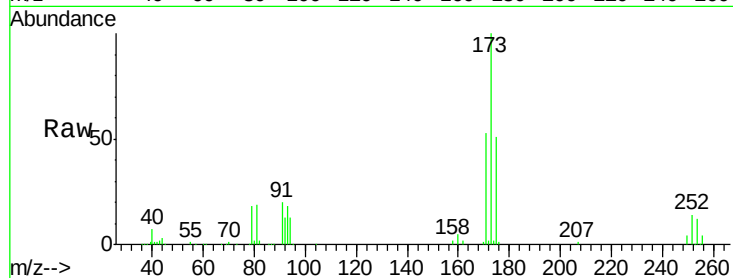
Tot Ion:173 Resp: 181071

Ion Ratio Lower Upper

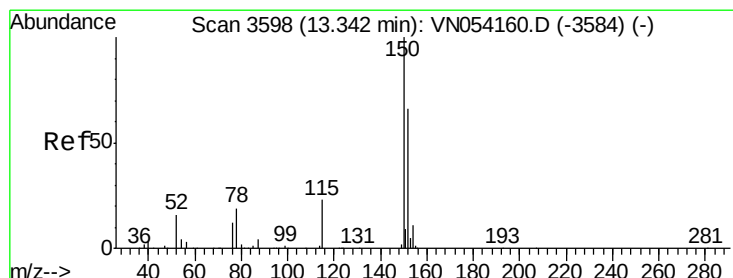
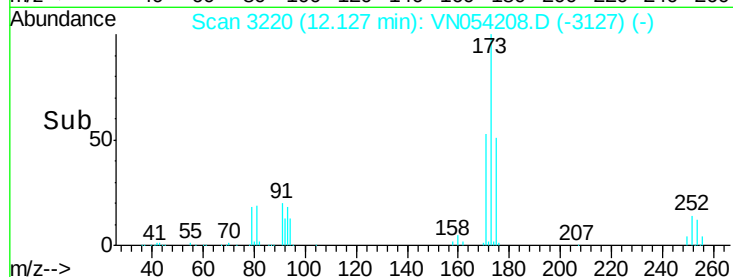
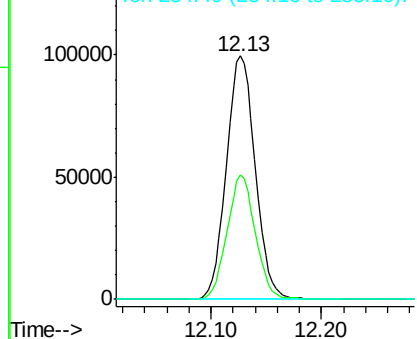
173 100

175 49.9 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: VN054208.D

Acq: 13 Mar 2019 13:29

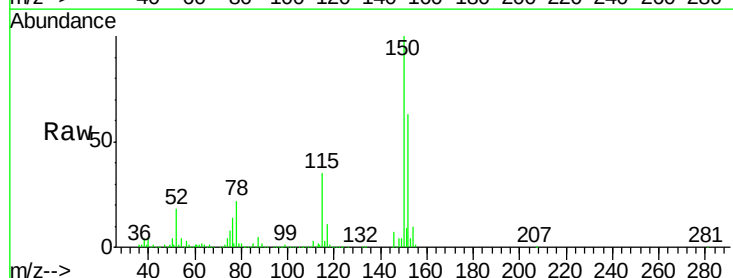
Tgt Ion:152 Resp: 897124

Ion Ratio Lower Upper

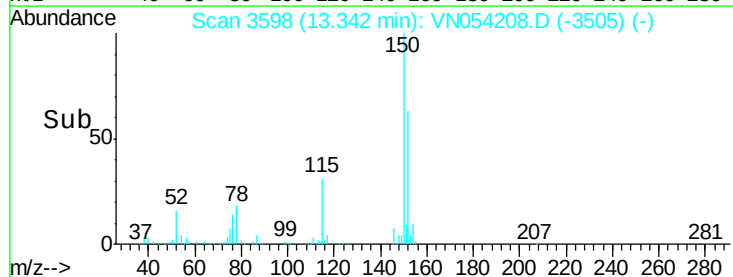
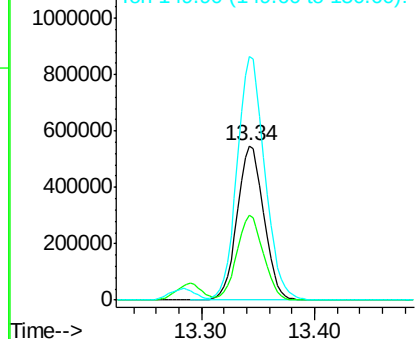
152 100

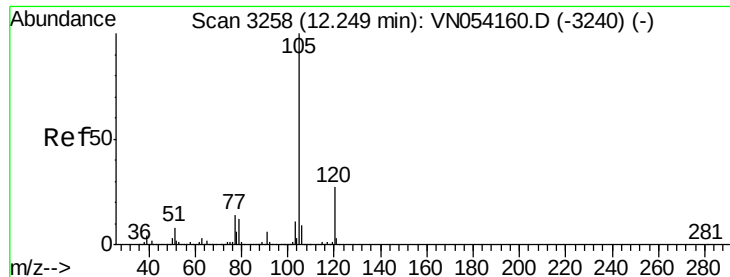
115 54.5 27.2 81.6

150 163.7 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: 19.932 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN054208.D

Acq: 13 Mar 2019 13:29

Instrument :

MSVOA_N

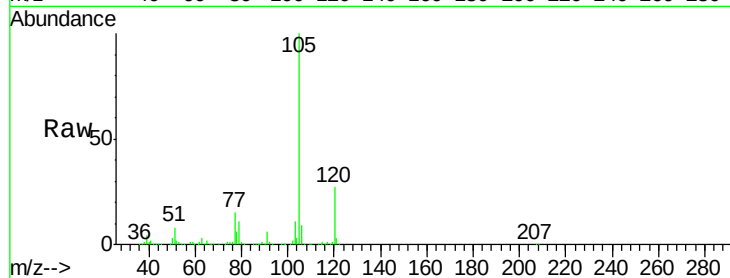
ClientSampled :

Tot Ion:105 Resp: 1430637

Ion Ratio Lower Upper

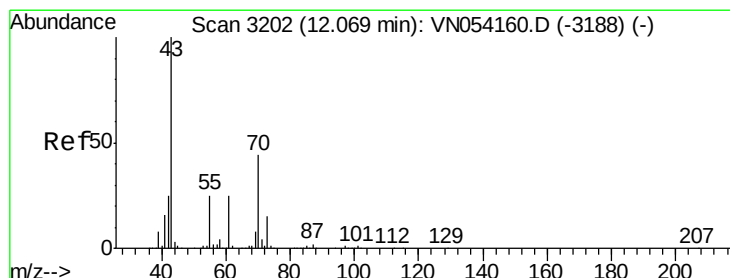
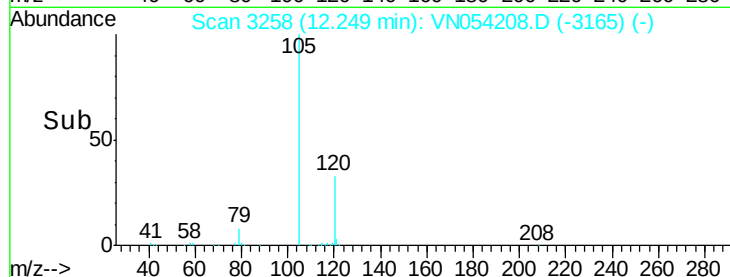
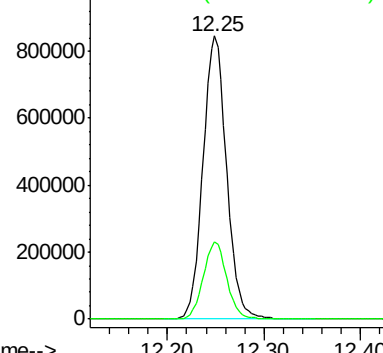
105 100

120 27.1 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: 19.178 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN054208.D

Acq: 13 Mar 2019 13:29

Tgt Ion: 43 Resp: 305542

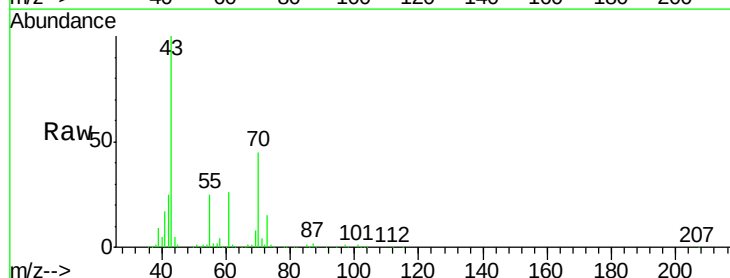
Ion Ratio Lower Upper

43 100

70 45.9 35.4 53.0

55 25.7 19.8 29.6

61 25.7 19.8 29.6

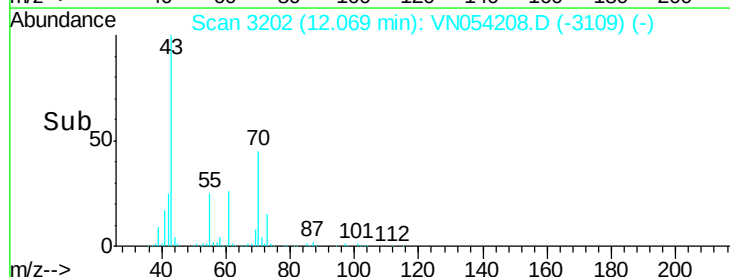
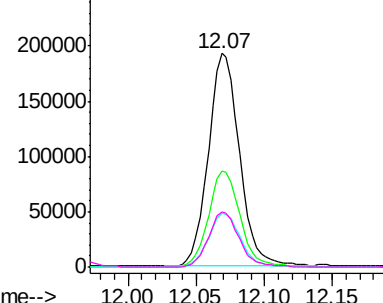


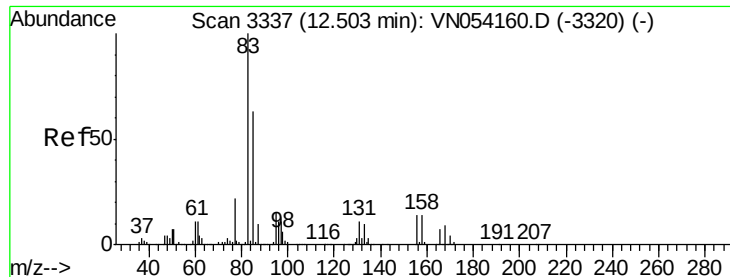
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 19.668 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN054208.D

Acq: 13 Mar 2019 13:29

Instrument :

MSVOA_N

ClientSampleId :

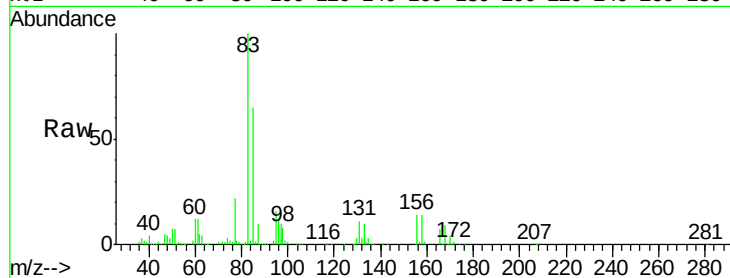
Tot Ion: 83 Resp: 300771

Ion Ratio Lower Upper

83 100

131 11.6 5.8 17.4

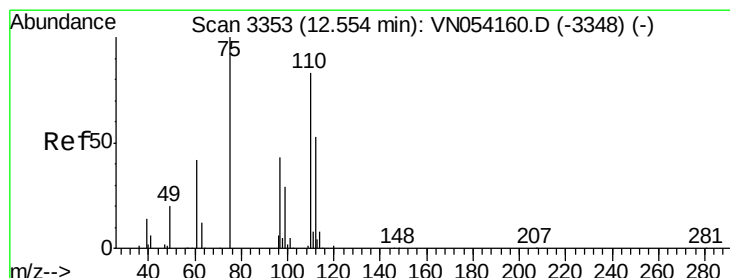
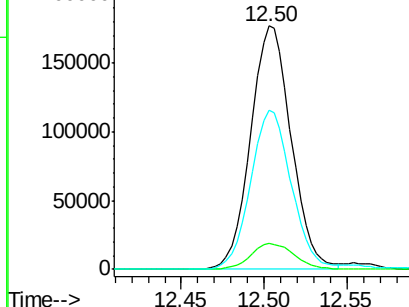
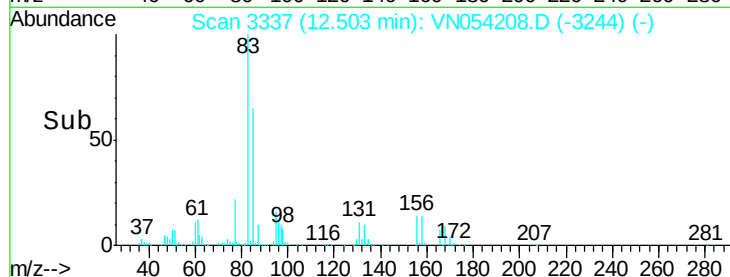
85 65.3 32.2 96.6



Abundance Ion 82.90 (82.60 to 83.60): VN054208.D (-3244) (-)

Ion 130.80 (130.50 to 131.50): VN054208.D (-3244) (-)

Ion 84.90 (84.60 to 85.60): VN054208.D (-3244) (-)



#76

1,2,3-Trichloropropane

Concen: 27.359 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN054208.D

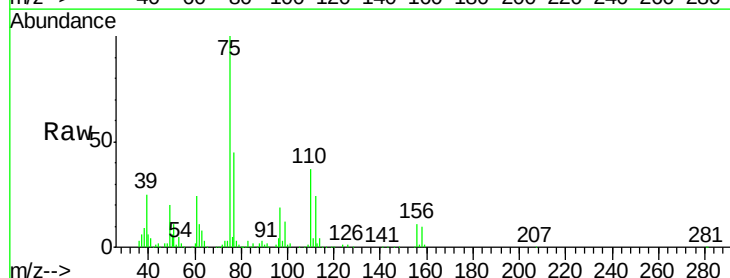
Acq: 13 Mar 2019 13:29

Tgt Ion: 75 Resp: 360939

Ion Ratio Lower Upper

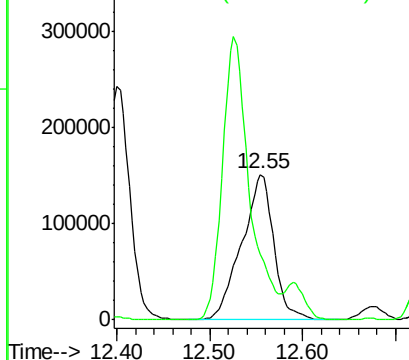
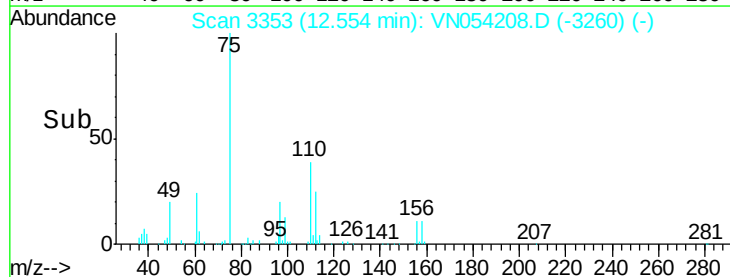
75 100

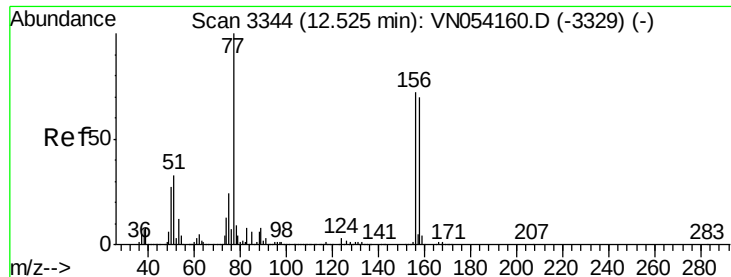
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN054208.D (-3260) (-)

Ion 77.00 (76.70 to 77.70): VN054208.D (-3260) (-)





#77

Bromobenzene

Concen: 19.873 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN054208.D

Acq: 13 Mar 2019 13:29

Instrument :

MSVOA_N

ClientSampleId :

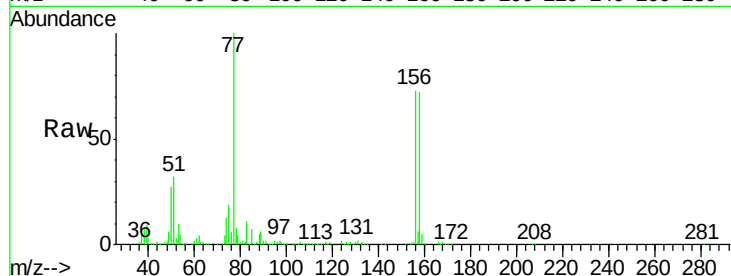
Tot Ion:156 Resp: 377444

Ion Ratio Lower Upper

156 100

77 159.0 81.5 244.4

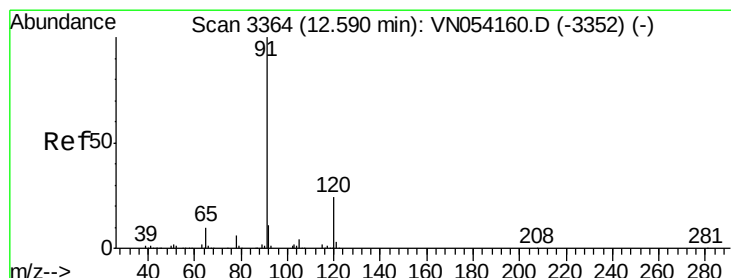
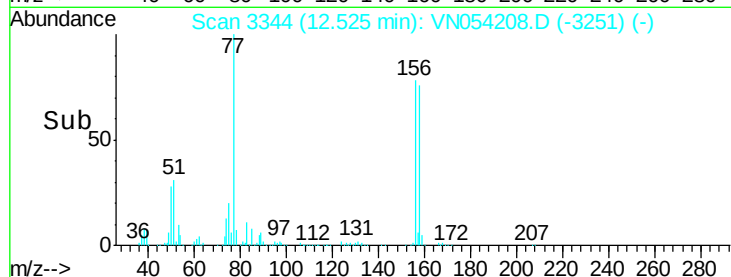
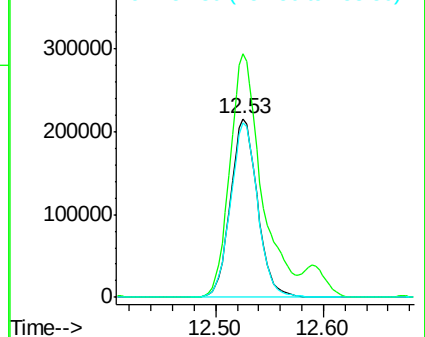
158 97.9 49.0 147.2



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: 19.811 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN054208.D

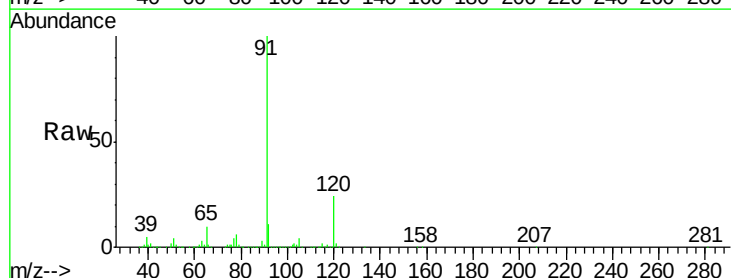
Acq: 13 Mar 2019 13:29

Tgt Ion: 91 Resp: 1542885

Ion Ratio Lower Upper

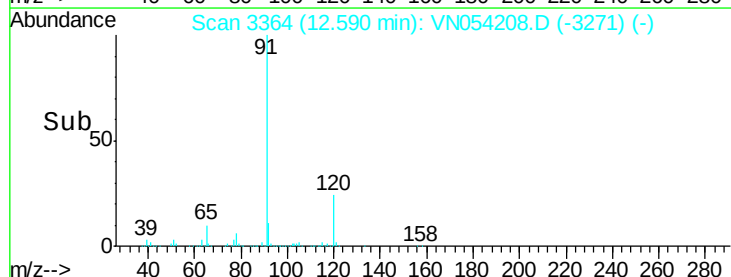
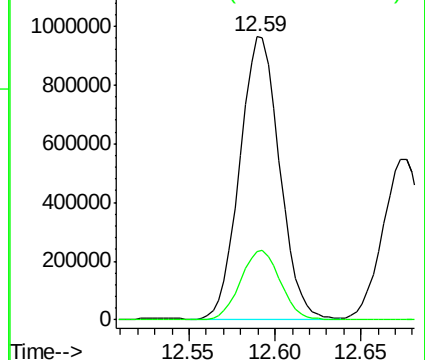
91 100

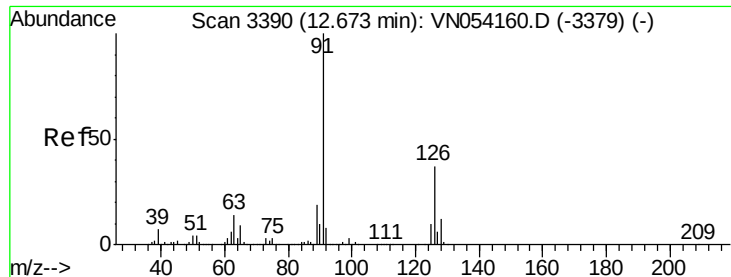
120 24.8 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.756 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN054208.D

Acq: 13 Mar 2019 13:29

Instrument :

MSVOA_N

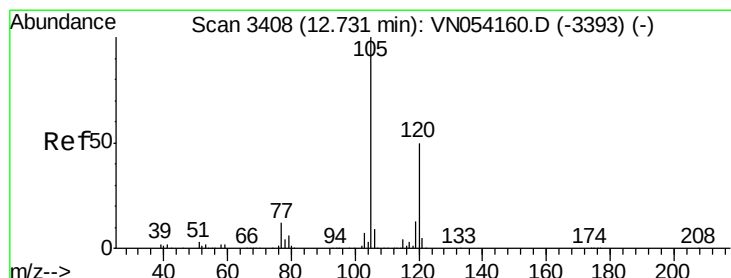
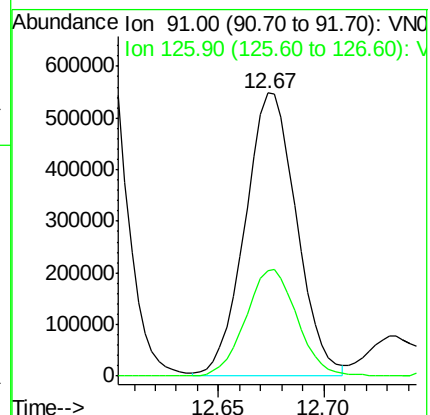
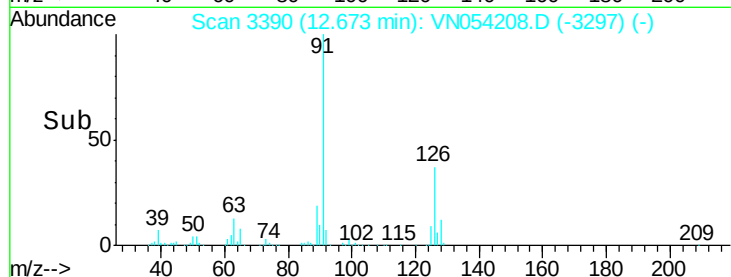
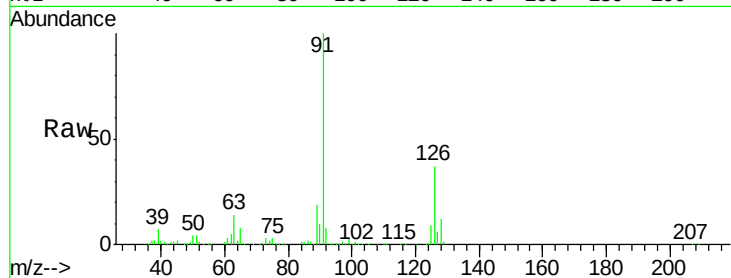
ClientSampled :

Tot Ion: 91 Resp: 925139

Ion Ratio Lower Upper

91 100

126 38.0 18.7 56.1



#80

1,3,5-Trimethylbenzene

Concen: 19.666 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN054208.D

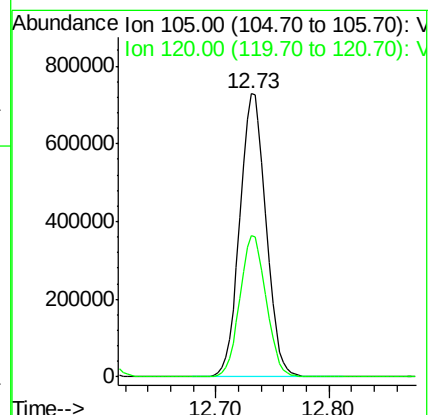
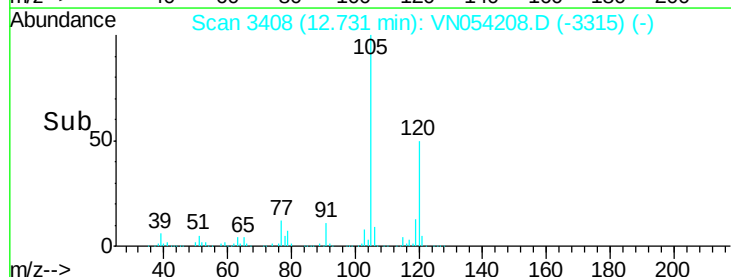
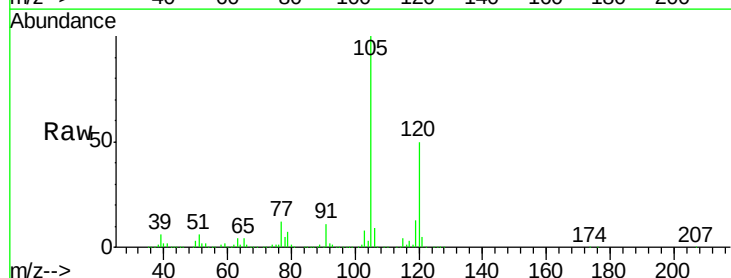
Acq: 13 Mar 2019 13:29

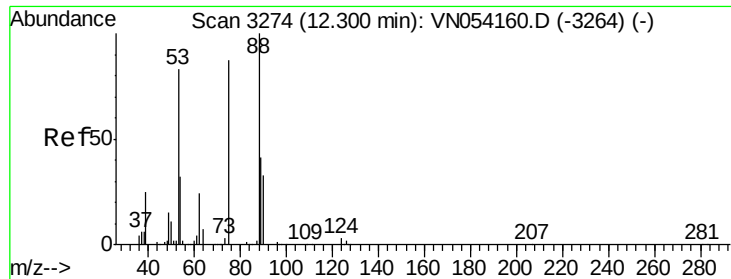
Tgt Ion: 105 Resp: 1174099

Ion Ratio Lower Upper

105 100

120 50.1 25.0 75.0

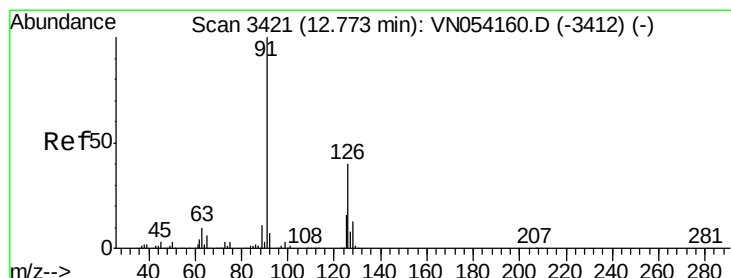
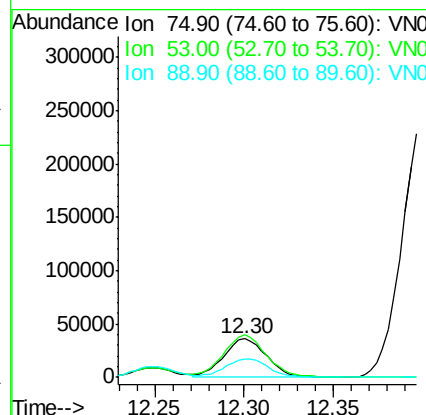
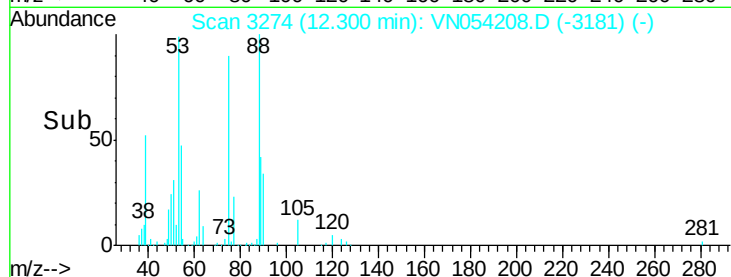
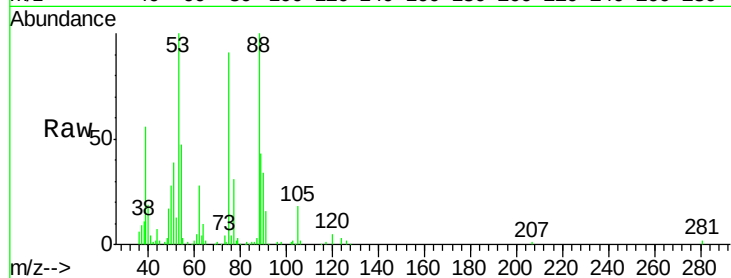




#81
trans-1,4-Dichloro-2-butene
Concen: 15.343 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN054208.D
Acq: 13 Mar 2019 13:29

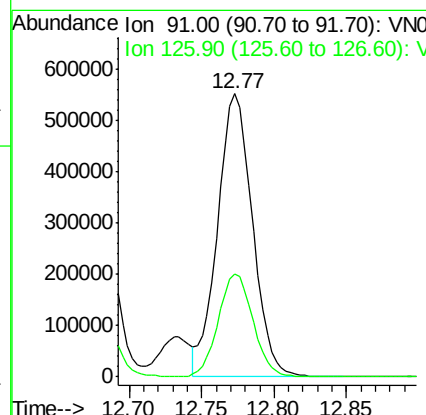
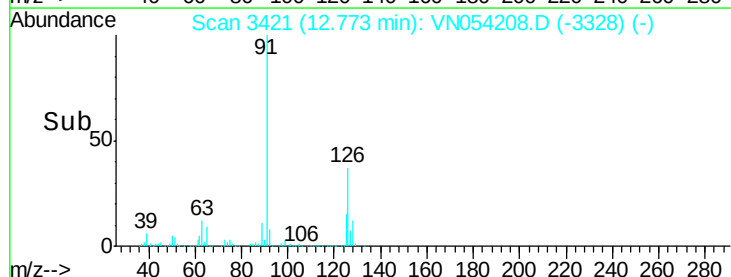
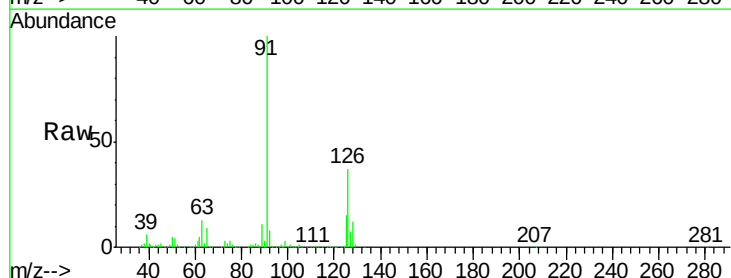
Instrument :
MSVOA_N
ClientSampleId :

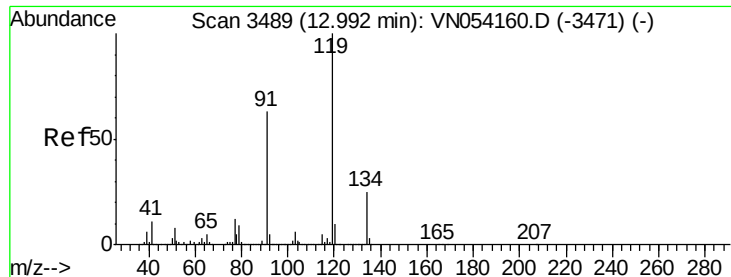
Tot Ion: 75 Resp: 59213
Ion Ratio Lower Upper
75 100
53 111.9 76.2 114.2
89 49.4 39.2 58.8



#82
4-Chlorotoluene
Concen: 19.729 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN054208.D
Acq: 13 Mar 2019 13:29

Tgt Ion: 91 Resp: 922494
Ion Ratio Lower Upper
91 100
126 36.2 18.1 54.1





#83

tert-Butylbenzene

Concen: 19.804 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN054208.D

Acq: 13 Mar 2019 13:29

Instrument :

MSVOA_N

ClientSampled :

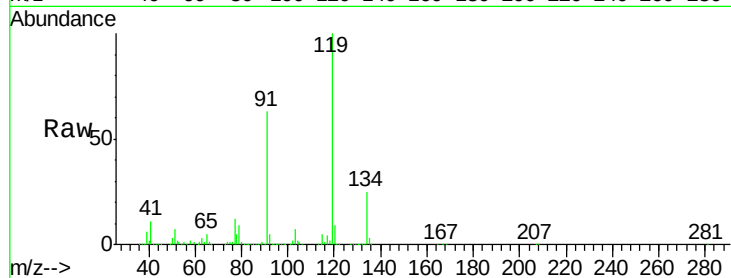
Tot Ion:119 Resp: 1088260

Ion Ratio Lower Upper

119 100

91 61.7 30.9 92.8

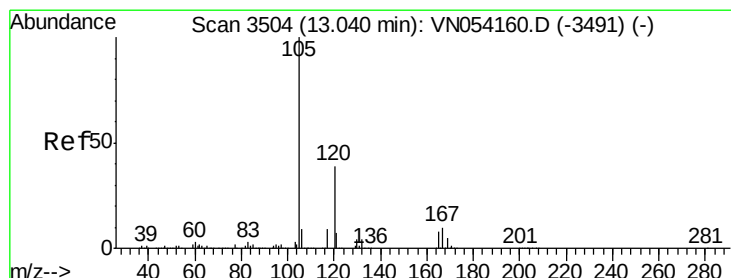
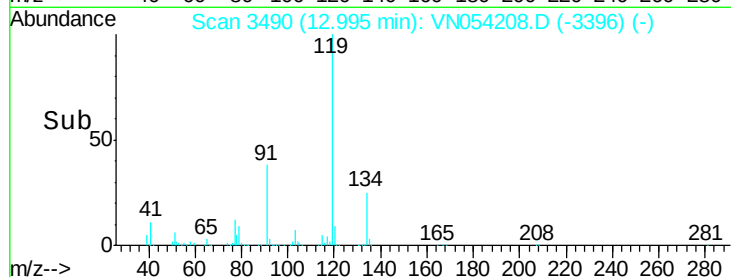
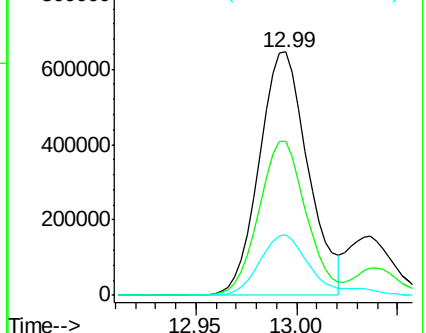
134 26.5 13.2 39.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 20.052 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.00 min

Lab File: VN054208.D

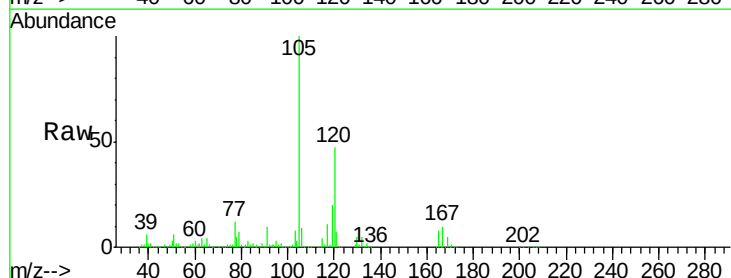
Acq: 13 Mar 2019 13:29

Tgt Ion:105 Resp: 1174447

Ion Ratio Lower Upper

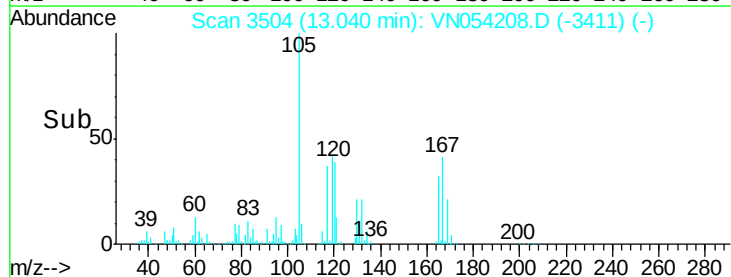
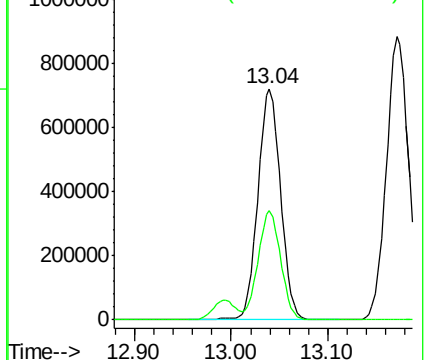
105 100

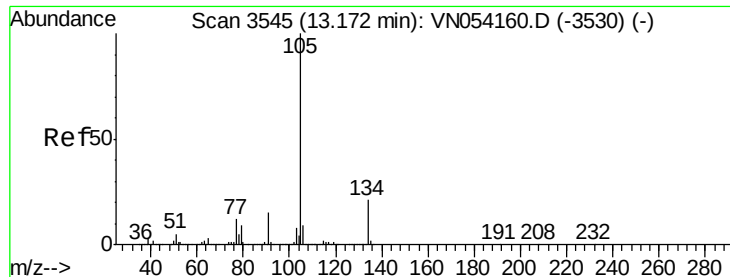
120 47.3 23.4 70.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 19.826 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN054208.D

Acq: 13 Mar 2019 13:29

Instrument :

MSVOA_N

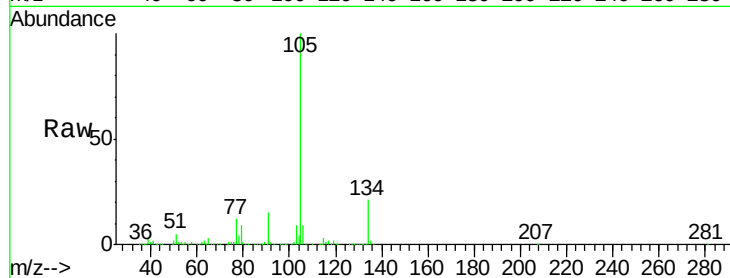
ClientSampled :

Tot Ion:105 Resp: 1412931

Ion Ratio Lower Upper

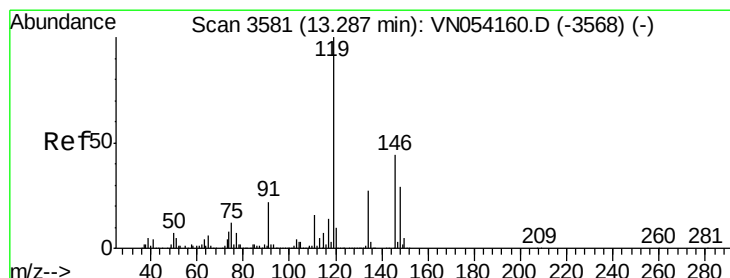
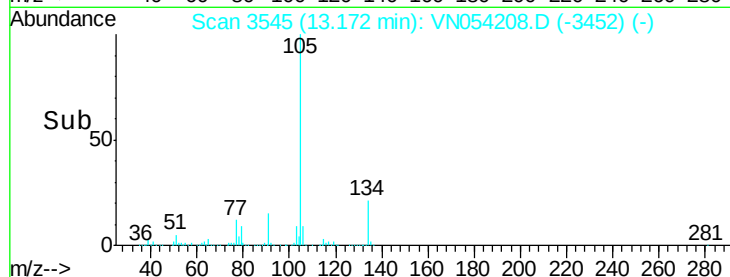
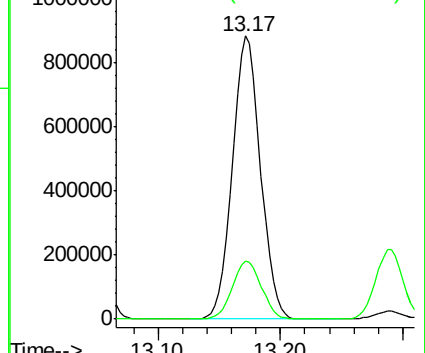
105 100

134 21.3 10.7 32.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.892 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN054208.D

Acq: 13 Mar 2019 13:29

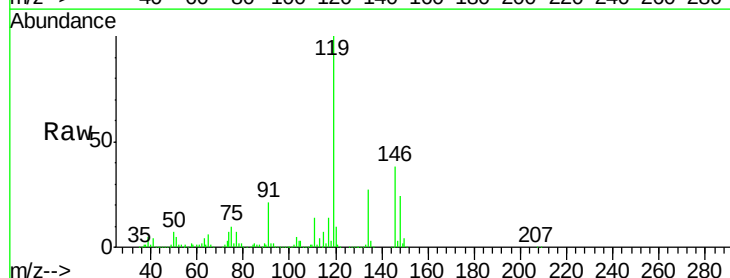
Tgt Ion:119 Resp: 1243665

Ion Ratio Lower Upper

119 100

134 27.1 13.6 40.8

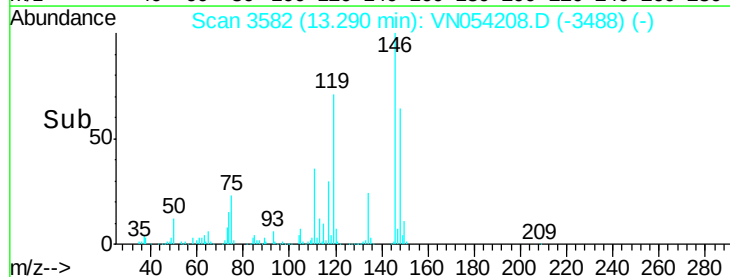
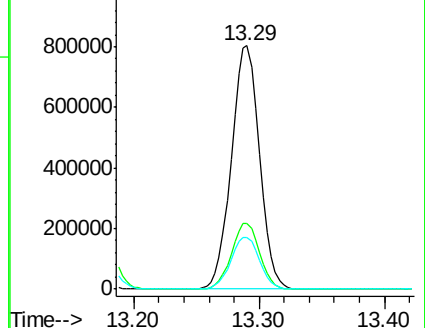
91 21.8 11.1 33.3

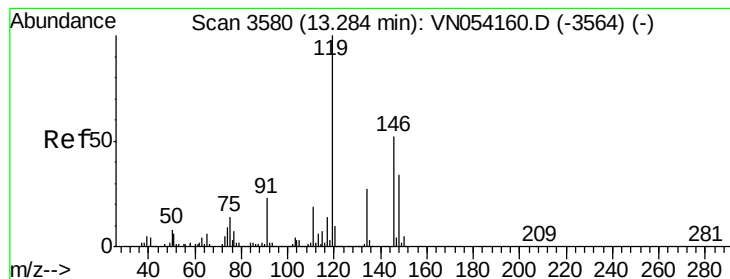


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 20.134 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN054208.D

Acq: 13 Mar 2019 13:29

Instrument :

MSVOA_N

ClientSampleId :

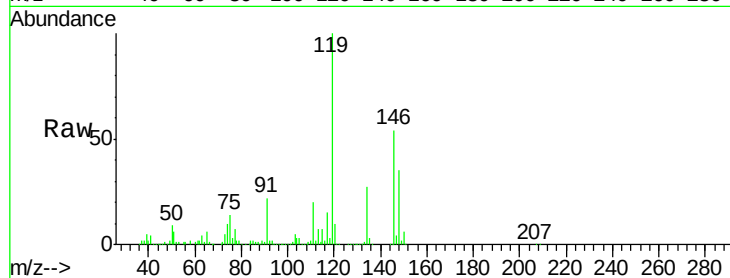
Tot Ion:146 Resp: 644361

Ion Ratio Lower Upper

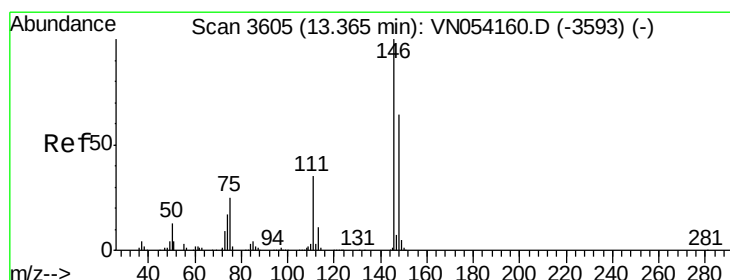
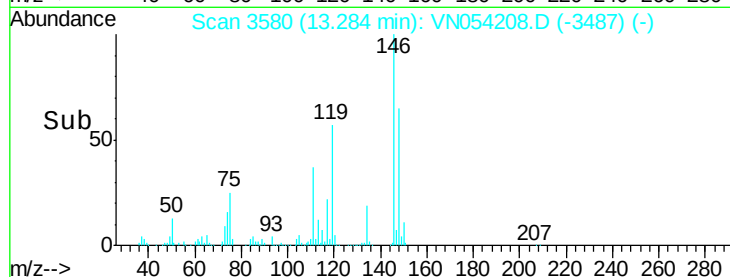
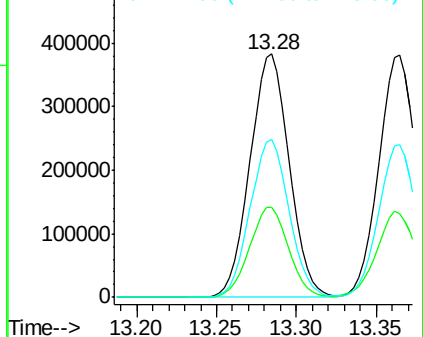
146 100

111 36.8 18.8 56.3

148 64.4 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: 20.154 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. -0.00 min

Lab File: VN054208.D

Acq: 13 Mar 2019 13:29

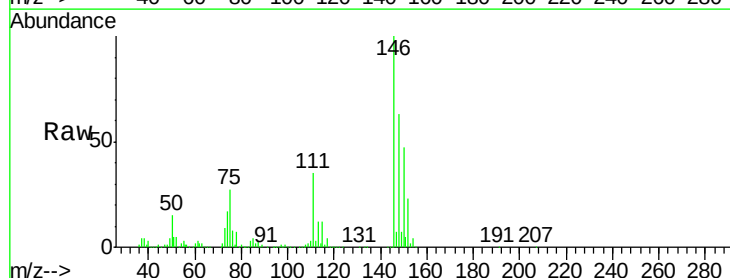
Tgt Ion:146 Resp: 633623

Ion Ratio Lower Upper

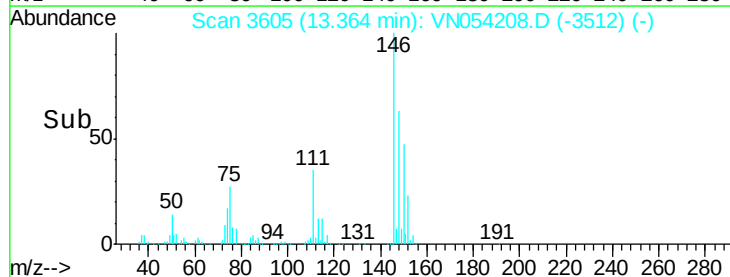
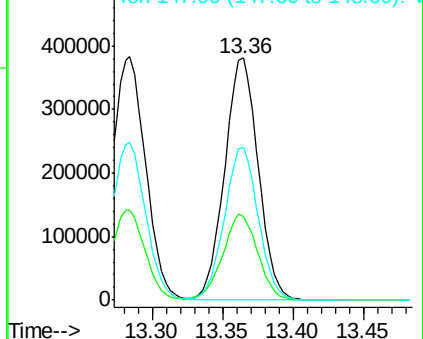
146 100

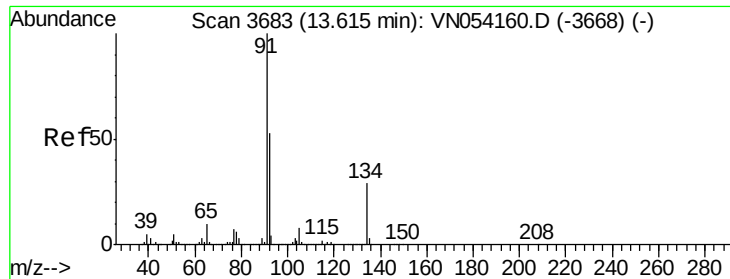
111 36.7 18.1 54.1

148 63.6 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: 19.983 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. -0.00 min

Lab File: VN054208.D

Acq: 13 Mar 2019 13:29

Instrument :

MSVOA_N

ClientSampled :

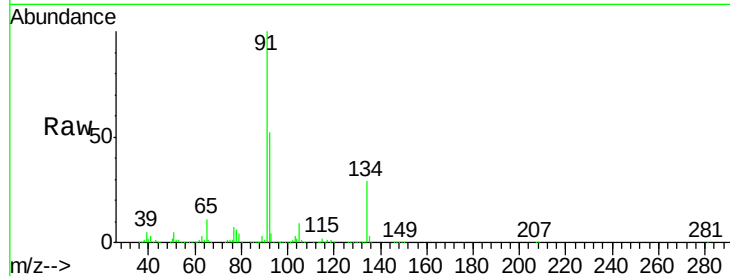
Tot Ion: 91 Resp: 949296

Ion Ratio Lower Upper

91 100

92 52.7 26.2 78.6

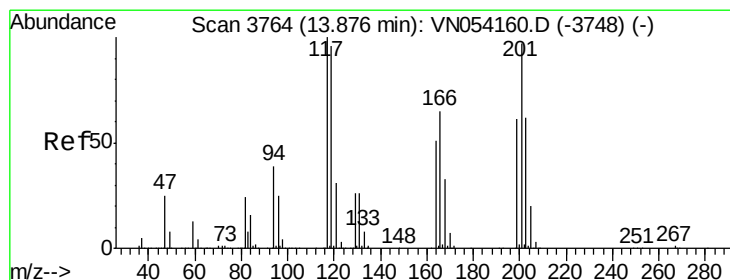
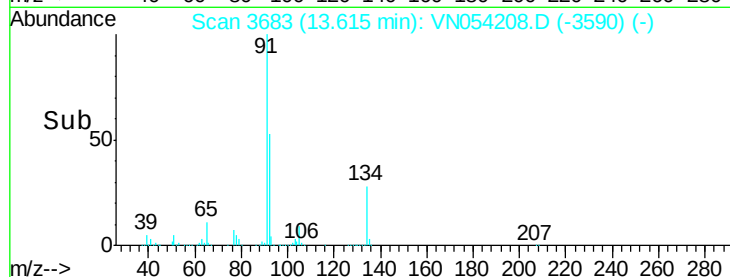
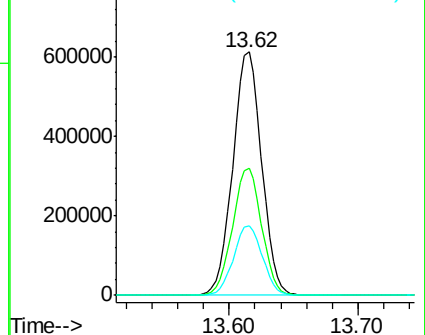
134 28.7 14.3 42.9



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) (-)



#90

Hexachloroethane

Concen: 17.302 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. -0.00 min

Lab File: VN054208.D

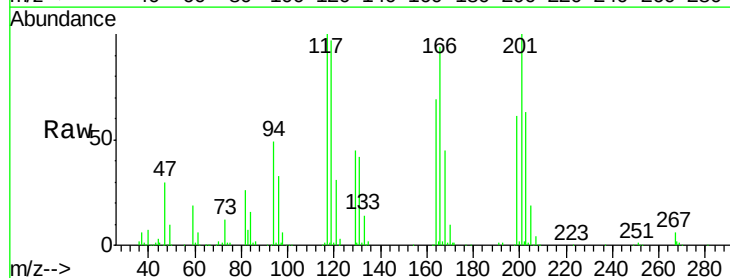
Acq: 13 Mar 2019 13:29

Tgt Ion: 117 Resp: 179120

Ion Ratio Lower Upper

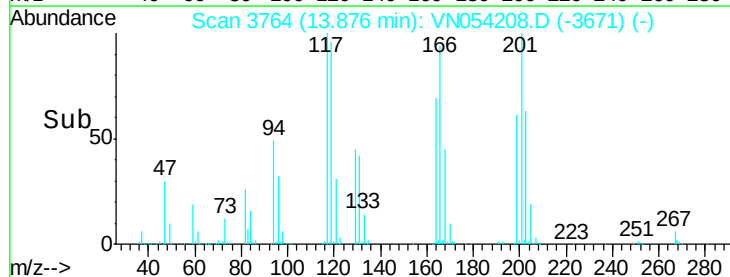
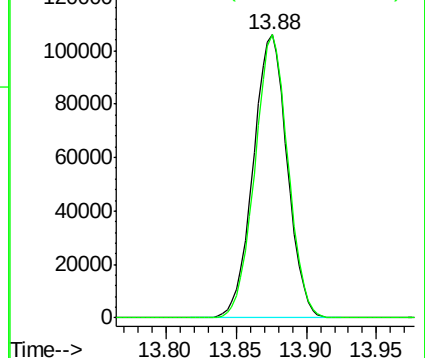
117 100

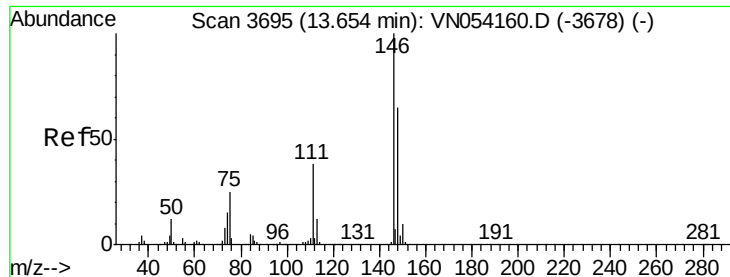
201 97.2 48.1 144.4



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

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





#91

1,2-Dichlorobenzene

Concen: 20.249 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN054208.D

Acq: 13 Mar 2019 13:29

Instrument :

MSVOA_N

ClientSampleId :

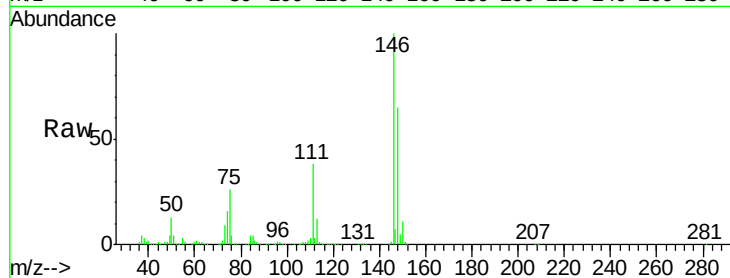
Tot Ion:146 Resp: 633520

Ion Ratio Lower Upper

146 100

111 38.8 19.1 57.3

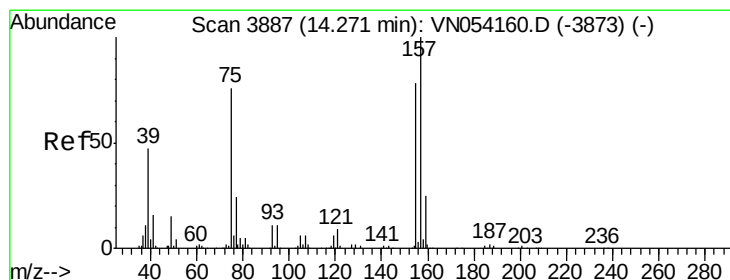
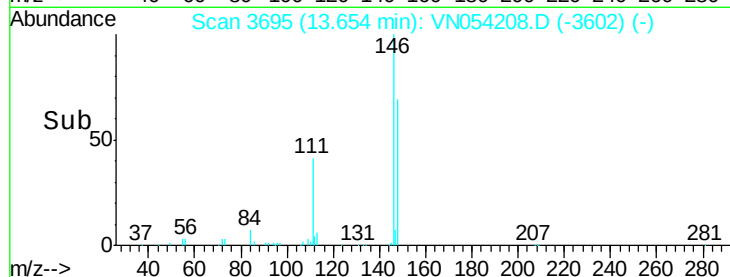
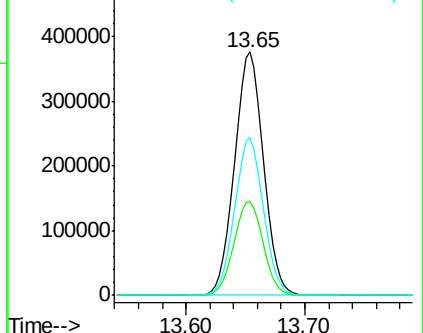
148 64.3 32.4 97.0



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: 18.457 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN054208.D

Acq: 13 Mar 2019 13:29

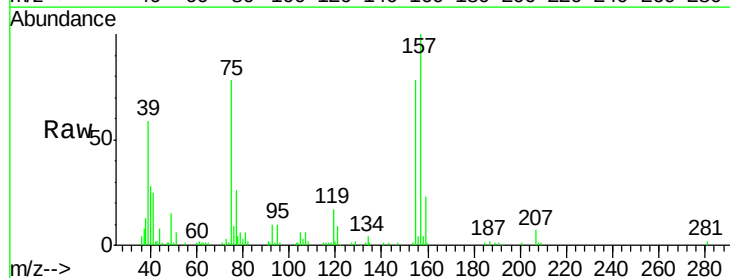
Tgt Ion: 75 Resp: 43677

Ion Ratio Lower Upper

75 100

155 99.6 50.1 150.3

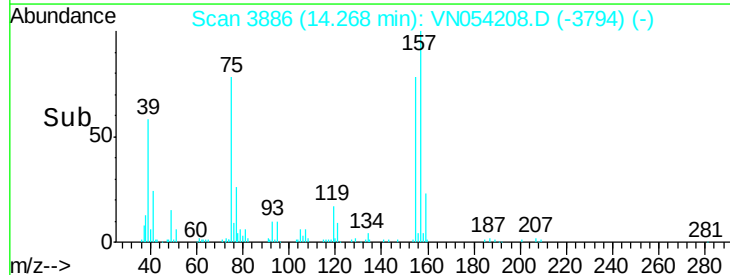
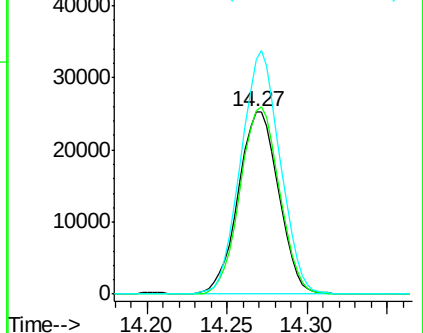
157 129.6 63.1 189.3

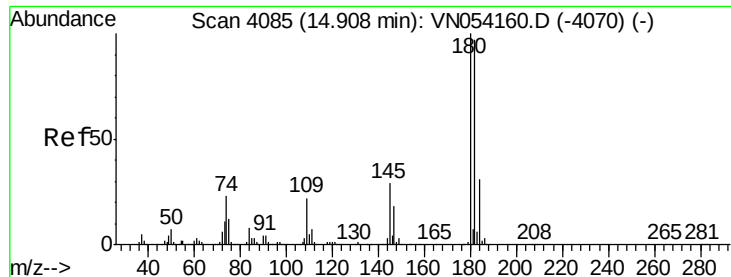


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

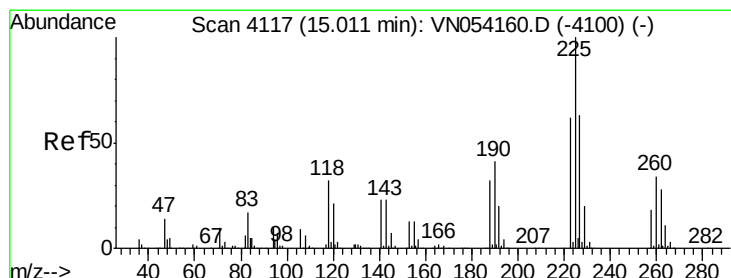
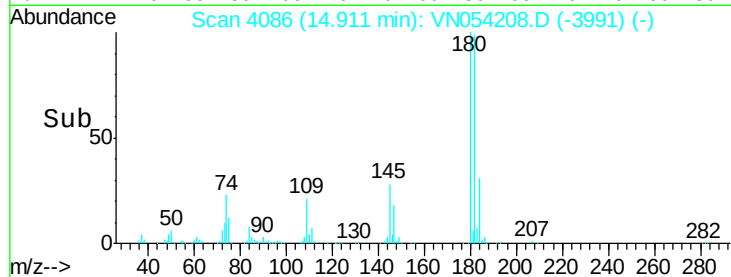
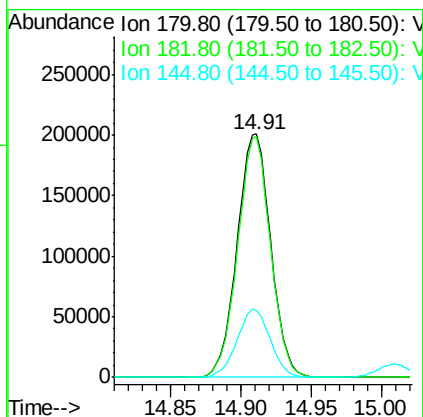
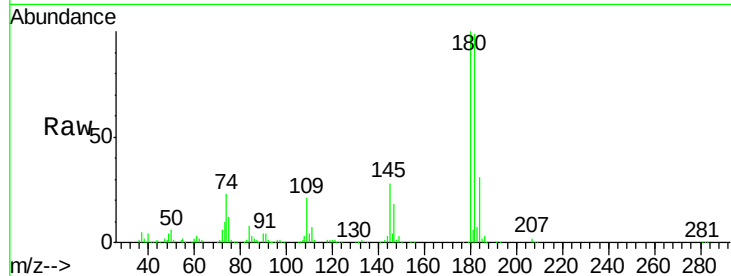




#93
 1,2,4-Trichlorobenzene
 Concen: 19.346 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN054208.D
 Acq: 13 Mar 2019 13:29

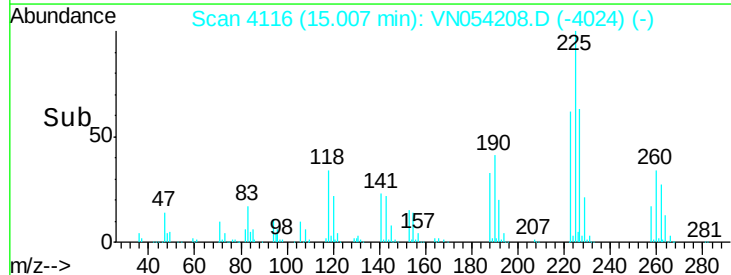
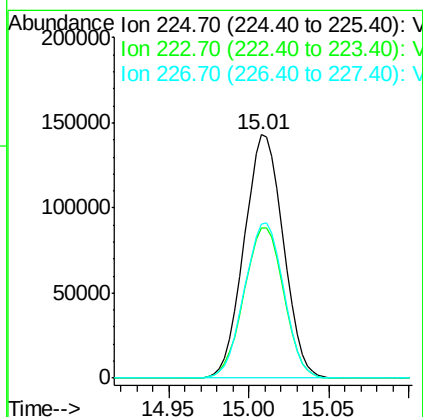
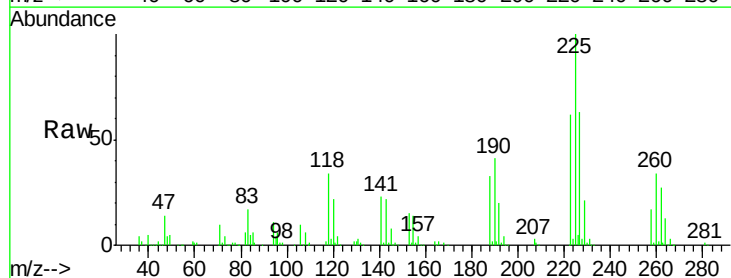
Instrument :
 MSVOA_N
 ClientSampled :

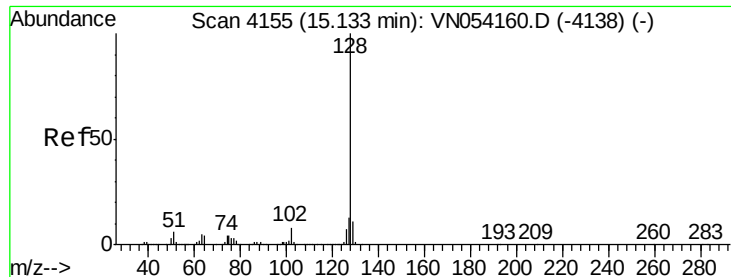
Tot Ion:180 Resp: 334730
 Ion Ratio Lower Upper
 180 100
 182 96.6 48.0 144.2
 145 28.0 14.2 42.8



#94
 Hexachlorobutadiene
 Concen: 20.157 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN054208.D
 Acq: 13 Mar 2019 13:29

Tgt Ion:225 Resp: 240206
 Ion Ratio Lower Upper
 225 100
 223 62.8 31.1 93.5
 227 64.1 31.9 95.9





#95

Naphthalene

Concen: 19.041 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN054208.D

Acq: 13 Mar 2019 13:29

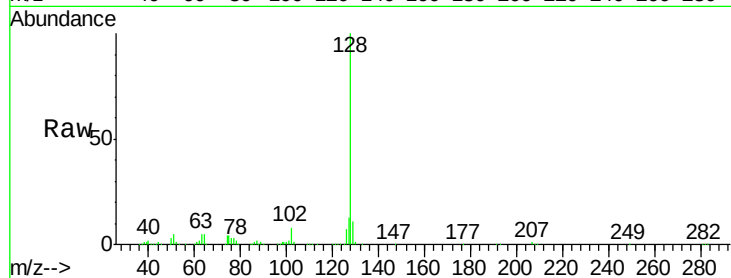
Instrument :

MSVOA_N

ClientSampled :

Tot Ion:128 Resp: 658406

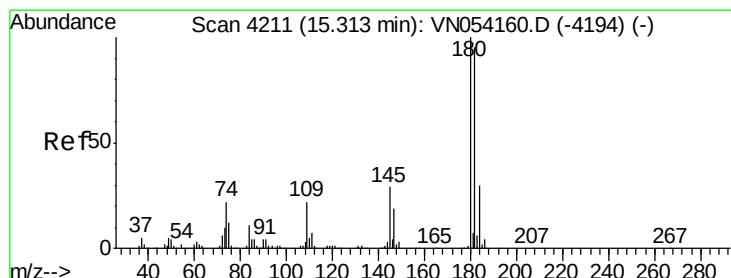
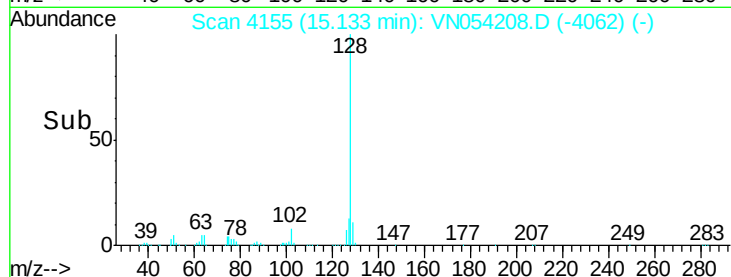
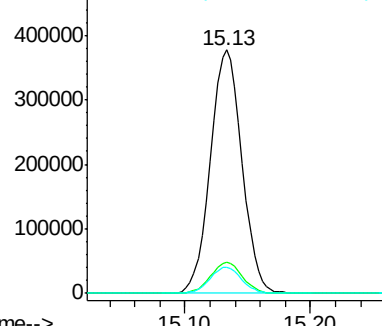
Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.1	15.1
129	10.8	8.7	13.1



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: 20.442 ug/l

RT: 15.32 min Scan# 4212

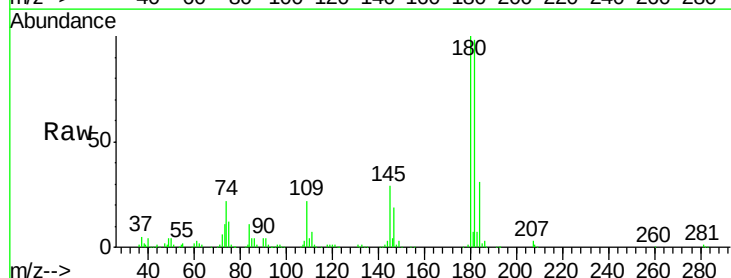
Delta R.T. 0.00 min

Lab File: VN054208.D

Acq: 13 Mar 2019 13:29

Tgt Ion:180 Resp: 339804

Ion	Ratio	Lower	Upper
180	100		
182	96.4	47.5	142.6
145	29.7	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

